

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
 Data File : BF081677.D  
 Acq On : 17 Sep 2015 13:53  
 Operator : UM/IZ  
 Sample : G3669-02MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

Quant Time: Sep 18 00:49:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 14:03:59 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 44907    | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8        | 11.08 | 136  | 175791   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10      | 15.20 | 164  | 84637    | 20.00 | ng    | -0.06    |
| 63) Phenanthrene-d10      | 18.71 | 188  | 172869   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12          | 23.35 | 240  | 139701   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 24.79 | 264  | 95474    | 20.00 | ng    | -0.02    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.36  | 112 | 330839 | 114.30 | ng | 0.01  |
| 7) Phenol-d6                | 7.61  | 99  | 457189 | 119.33 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 9.49  | 82  | 346682 | 95.15  | ng | -0.04 |
| 41) 2,4,6-Tribromophenol    | 17.11 | 330 | 25932  | 34.41  | ng | -0.06 |
| 44) 2-Fluorobiphenyl        | 13.72 | 172 | 614303 | 93.01  | ng | -0.06 |
| 78) Terphenyl-d14           | 22.08 | 244 | 614164 | 102.34 | ng | -0.03 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 1.53  | 88  | 18991  | 14.61 | ng | # 11   |
| 3) Pyridine                    | 2.12  | 79  | 91025  | 25.39 | ng | # 81   |
| 4) n-Nitrosodimethylamine      | 2.09  | 42  | 93157  | 46.78 | ng | # 63   |
| 6) Aniline                     | 7.48  | 93  | 179304 | 33.14 | ng | # 83   |
| 8) 2-Chlorophenol              | 7.73  | 128 | 127520 | 39.98 | ng | # 77   |
| 9) Benzaldehyde                | 7.20  | 77  | 57747  | 24.06 | ng | # 74   |
| 10) Phenol                     | 7.64  | 94  | 163075 | 36.70 | ng | # 56   |
| 11) bis(2-Chloroethyl)ether    | 7.72  | 93  | 140819 | 43.93 | ng | # 76   |
| 12) 1,3-Dichlorobenzene        | 8.04  | 146 | 135974 | 39.90 | ng | # 90   |
| 13) 1,4-Dichlorobenzene        | 8.22  | 146 | 138682 | 39.97 | ng | # 90   |
| 14) 1,2-Dichlorobenzene        | 8.54  | 146 | 134144 | 42.94 | ng | # 91   |
| 15) Benzyl Alcohol             | 8.62  | 79  | 140694 | 44.77 | ng | # 70   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.94  | 45  | 291342 | 47.42 | ng | 91     |
| 17) 2-Methylphenol             | 8.96  | 107 | 106817 | 41.97 | ng | # 77   |
| 18) Hexachloroethane           | 9.27  | 117 | 56458  | 41.82 | ng | # 88   |
| 19) n-Nitroso-di-n-propylamine | 9.25  | 70  | 115248 | 44.20 | ng | # 91   |
| 20) 3+4-Methylphenols          | 9.34  | 107 | 136930 | 39.91 | ng | 85     |
| 22) Acetophenone               | 9.17  | 105 | 208376 | 43.40 | ng | # 73   |
| 24) Nitrobenzene               | 9.52  | 77  | 172285 | 45.53 | ng | # 61   |
| 25) Isophorone                 | 10.12 | 82  | 299669 | 44.22 | ng | # 84   |
| 26) 2-Nitrophenol              | 10.26 | 139 | 16287  | 9.88  | ng | # 36   |
| 27) 2,4-Dimethylphenol         | 10.53 | 122 | 119061 | 41.80 | ng | # 77   |
| 28) bis(2-Chloroethoxy)methane | 10.72 | 93  | 176271 | 45.03 | ng | # 92   |
| 29) 2,4-Dichlorophenol         | 10.87 | 162 | 83356  | 33.75 | ng | 92     |
| 30) 1,2,4-Trichlorobenzene     | 10.98 | 180 | 118734 | 44.25 | ng | 97     |
| 31) Naphthalene                | 11.13 | 128 | 703989 | 75.09 | ng | 99     |
| 32) Benzoic acid               | 10.98 | 122 | 315    | 2.69  | ng | # 9    |
| 33) 4-Chloroaniline            | 11.36 | 127 | 153711 | 40.20 | ng | # 82   |
| 34) Hexachlorobutadiene        | 11.48 | 225 | 76028  | 46.56 | ng | 96     |
| 35) Caprolactam                | 12.24 | 113 | 26768  | 35.33 | ng | # 16   |
| 36) 4-Chloro-3-methylphenol    | 12.68 | 107 | 127625 | 46.16 | ng | # 75   |
| 37) 2-Methylnaphthalene        | 12.78 | 142 | 299628 | 49.11 | ng | # 87   |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 117234 | 43.80 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.17 | 237 | 74844  | 56.98 | ng | 95     |

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 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

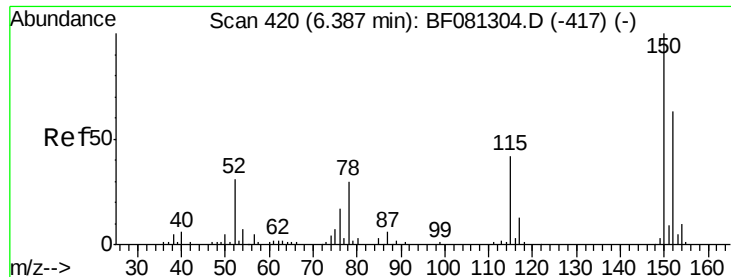
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

Quant Time: Sep 18 00:49:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.55 | 196  | 30374    | 16.44  | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.65 | 196  | 43074    | 22.86  | ng #  | 89       |
| 45) 1,1'-Biphenyl              | 13.92 | 154  | 337350   | 43.32  | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.91 | 162  | 245823   | 43.72  | ng #  | 87       |
| 47) 2-Nitroaniline             | 14.25 | 65   | 110643   | 48.28  | ng #  | 57       |
| 48) Acenaphthylene             | 14.86 | 152  | 457857   | 45.90  | ng    | 98       |
| 49) Dimethylphthalate          | 14.80 | 163  | 296607   | 45.11  | ng #  | 97       |
| 50) 2,6-Dinitrotoluene         | 14.89 | 165  | 61357    | 41.11  | ng #  | 15       |
| 51) Acenaphthene               | 15.28 | 154  | 251712   | 44.35  | ng    | 92       |
| 52) 3-Nitroaniline             | 15.26 | 138  | 68197    | 40.14  | ng #  | 41       |
| 54) Dibenzofuran               | 15.71 | 168  | 377556   | 45.56  | ng #  | 83       |
| 55) 4-Nitrophenol              | 15.71 | 139  | 160302   | 150.17 | ng #  | 27       |
| 56) 2,4-Dinitrotoluene         | 15.84 | 165  | 71421    | 37.58  | ng #  | 45       |
| 57) Fluorene                   | 16.52 | 166  | 309413   | 49.20  | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.08 | 232  | 11925    | 8.29   | ng #  | 91       |
| 59) Diethylphthalate           | 16.48 | 149  | 327899   | 47.40  | ng    | 95       |
| 60) 4-Chlorophenyl-phenylether | 16.61 | 204  | 142408   | 48.59  | ng #  | 81       |
| 61) 4-Nitroaniline             | 16.72 | 138  | 69408    | 40.43  | ng #  | 20       |
| 62) Azobenzene                 | 16.97 | 77   | 374224   | 48.66  | ng    | 81       |
| 65) n-Nitrosodiphenylamine     | 16.93 | 169  | 254022   | 40.38  | ng    | 92       |
| 66) 4-Bromophenyl-phenylether  | 17.75 | 248  | 79149    | 45.28  | ng #  | 87       |
| 67) Hexachlorobenzene          | 17.81 | 284  | 82534    | 45.16  | ng #  | 90       |
| 68) Atrazine                   | 18.35 | 200  | 80755    | 44.36  | ng    | 83       |
| 70) Phenanthrene               | 18.77 | 178  | 448331   | 46.65  | ng    | 97       |
| 71) Anthracene                 | 18.89 | 178  | 436643   | 44.22  | ng    | 98       |
| 72) Carbazole                  | 19.36 | 167  | 412485   | 44.52  | ng    | 96       |
| 73) Di-n-butylphthalate        | 20.41 | 149  | 505515   | 46.20  | ng #  | 98       |
| 74) Fluoranthene               | 21.40 | 202  | 478936   | 46.03  | ng    | 86       |
| 76) Benzidine                  | 21.72 | 184  | 295914   | 49.34  | ng    | 97       |
| 77) Pyrene                     | 21.74 | 202  | 464405   | 44.88  | ng    | 98       |
| 79) Butylbenzylphthalate       | 22.77 | 149  | 195676   | 43.48  | ng #  | 72       |
| 80) Benzo(a)anthracene         | 23.34 | 228  | 394945   | 44.39  | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 23.35 | 252  | 115544   | 38.50  | ng #  | 94       |
| 82) Chrysene                   | 23.39 | 228  | 350848   | 43.99  | ng    | 94       |
| 83) Bis(2-ethylhexyl)phthalate | 23.47 | 149  | 267793   | 45.09  | ng #  | 90       |
| 84) Di-n-octyl phthalate       | 24.12 | 149  | 403950   | 41.31  | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.82 | 276  | 224043   | 38.29  | ng #  | 83       |
| 87) Benzo(b)fluoranthene       | 24.45 | 252  | 584334   | 85.73  | ng #  | 87       |
| 88) Benzo(k)fluoranthene       | 24.45 | 252  | 584334   | 103.32 | ng #  | 89       |
| 89) Benzo(a)pyrene             | 24.75 | 252  | 287884   | 49.84  | ng #  | 82       |
| 90) Dibenzo(a,h)anthracene     | 25.83 | 278  | 185508   | 41.56  | ng #  | 81       |
| 91) Benzo(g,h,i)perylene       | 26.12 | 276  | 173526   | 40.74  | ng #  | 74       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 620

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

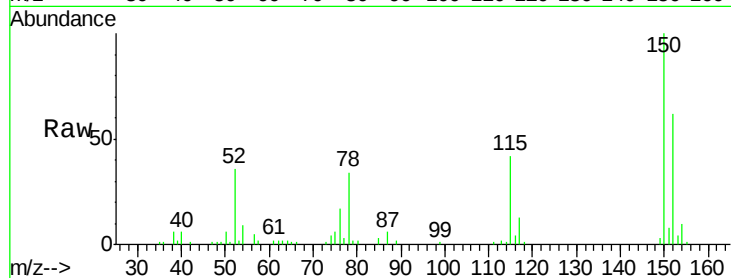
Tgt Ion:152 Resp: 44907

Ion Ratio Lower Upper

152 100

150 160.4 124.7 187.1

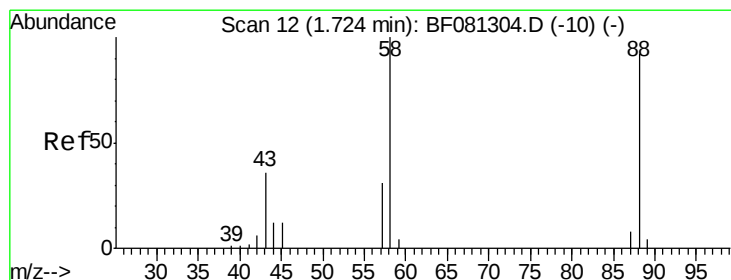
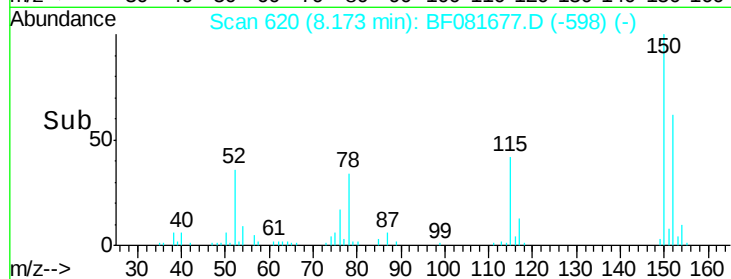
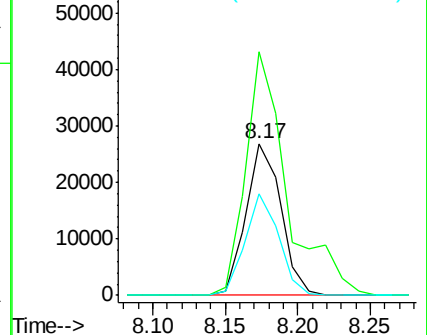
115 67.2 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 14.61 ng

RT: 1.53 min Scan# 39

Delta R.T. -0.03 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

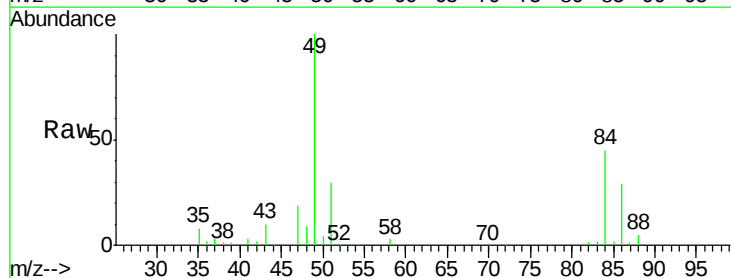
Tgt Ion: 88 Resp: 18991

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

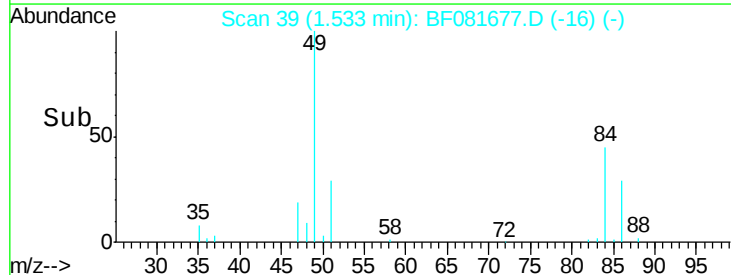
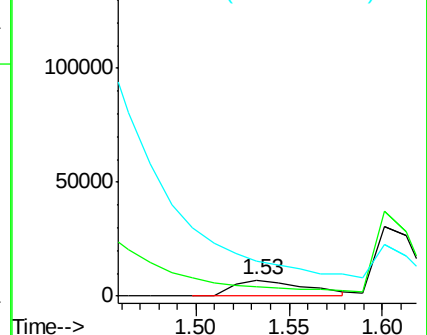
43 0.0 26.6 40.0#

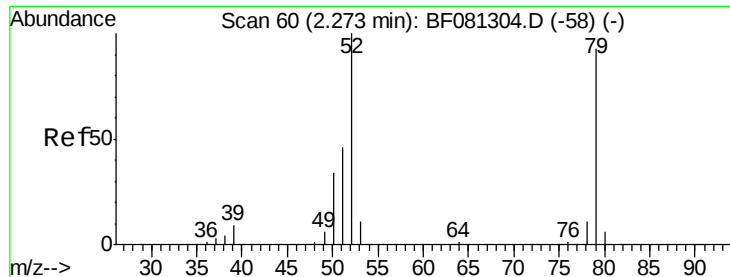


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 25.39 ng

RT: 2.12 min Scan# 90

Delta R.T. 0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

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ClientSampleId :

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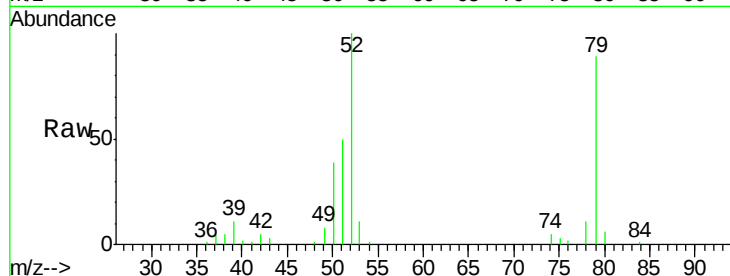
Tgt Ion: 79 Resp: 91025

Ion Ratio Lower Upper

79 100

52 112.0 76.8 115.2

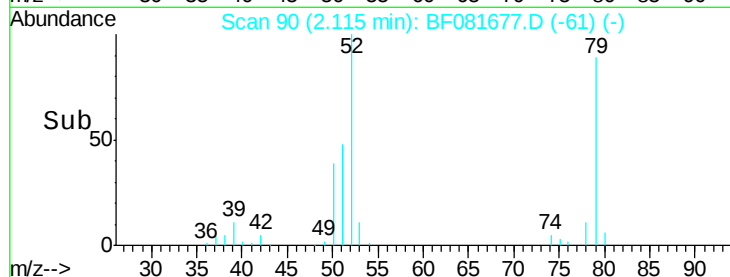
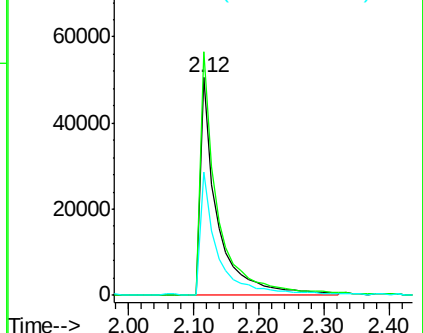
51 56.5 32.2 48.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 46.78 ng

RT: 2.09 min Scan# 88

Delta R.T. 0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

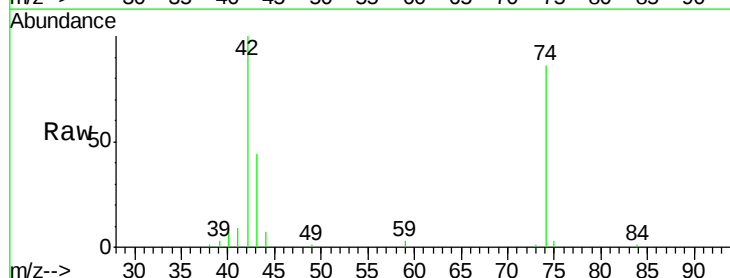
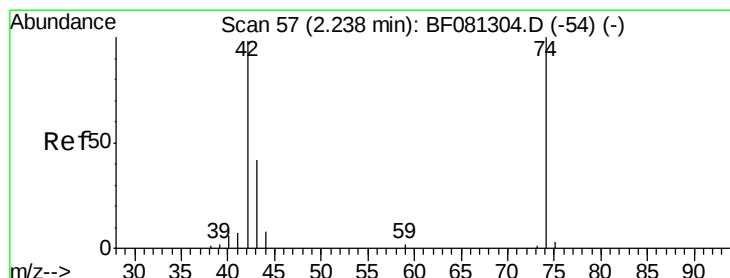
Tgt Ion: 42 Resp: 93157

Ion Ratio Lower Upper

42 100

74 85.7 105.0 157.6#

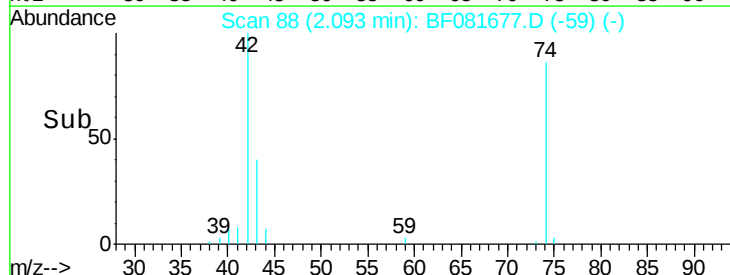
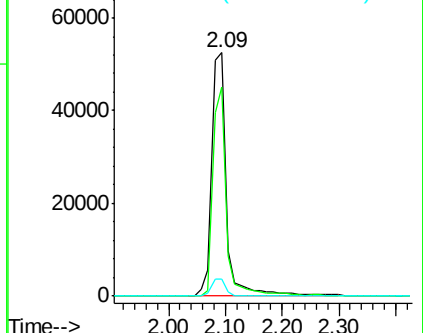
44 7.0 6.6 10.0

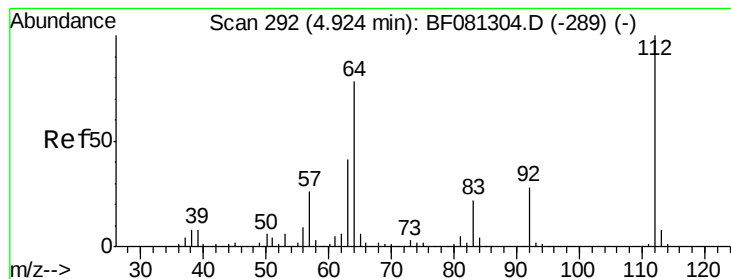


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 114.30 ng

RT: 5.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF081677.D

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ClientSampleId :

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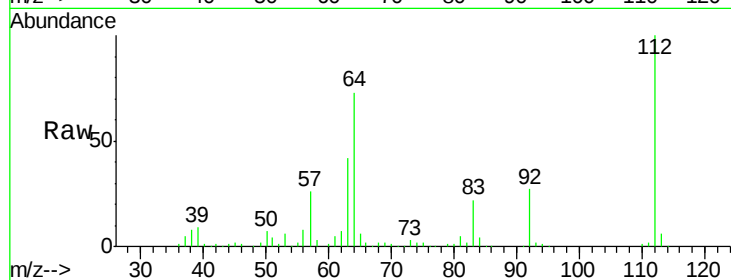
Tgt Ion: 112 Resp: 330839

Ion Ratio Lower Upper

112 100

64 73.1 39.7 59.5#

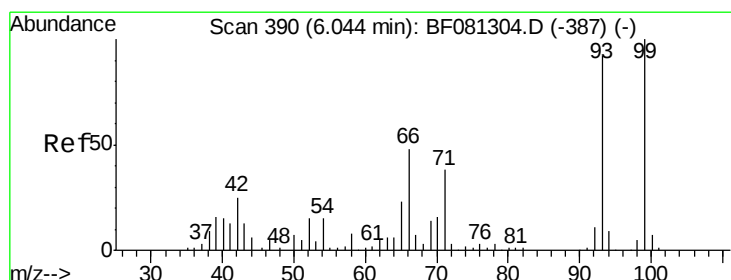
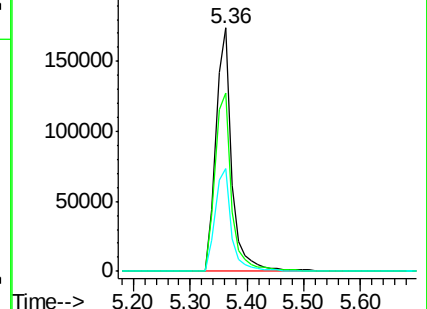
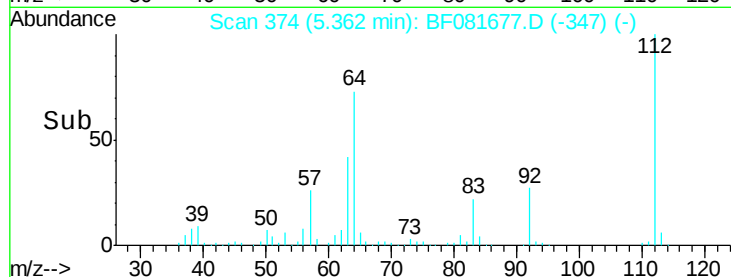
63 42.0 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 33.14 ng

RT: 7.48 min Scan# 559

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

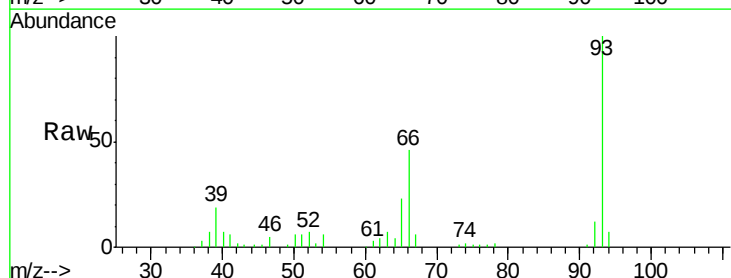
Tgt Ion: 93 Resp: 179304

Ion Ratio Lower Upper

93 100

66 45.7 27.2 40.8#

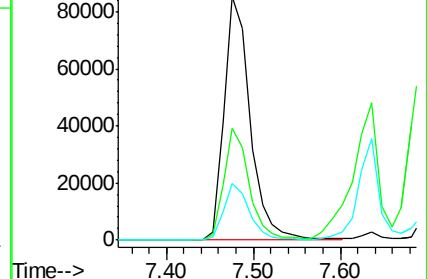
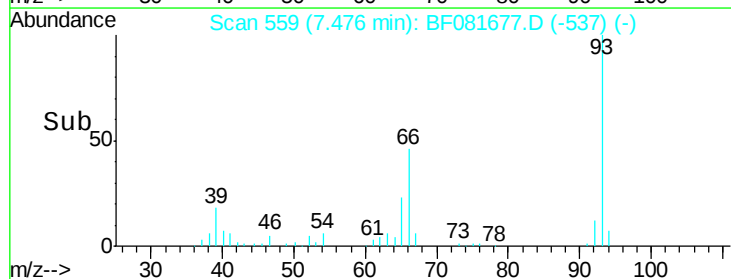
65 23.3 14.7 22.1#

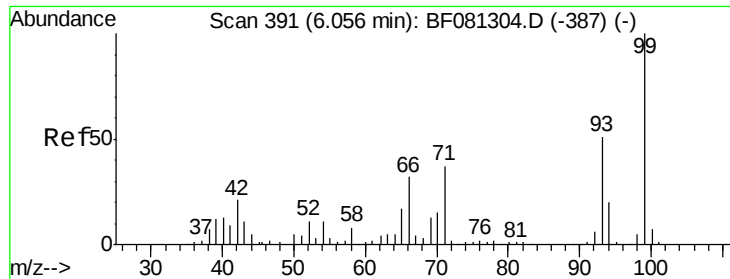


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 119.33 ng

RT: 7.61 min Scan# 571

Delta R.T. -0.03 min

Lab File: BF081677.D

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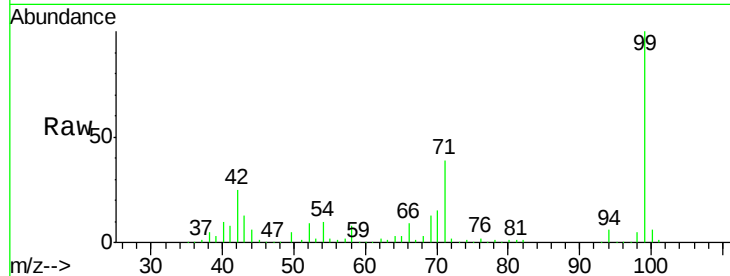
Tgt Ion: 99 Resp: 457189

Ion Ratio Lower Upper

99 100

42 24.8 13.7 20.5#

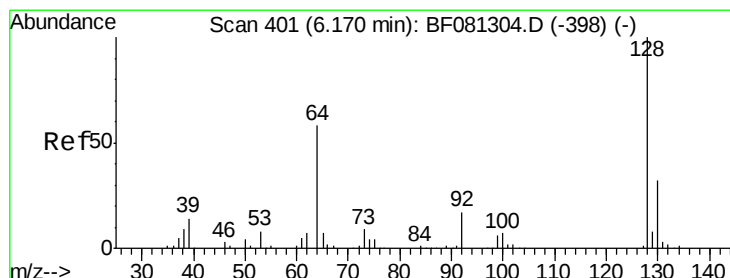
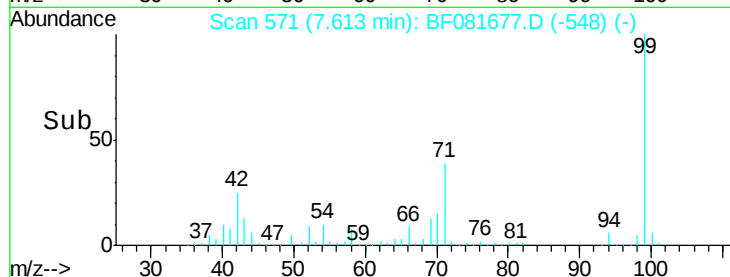
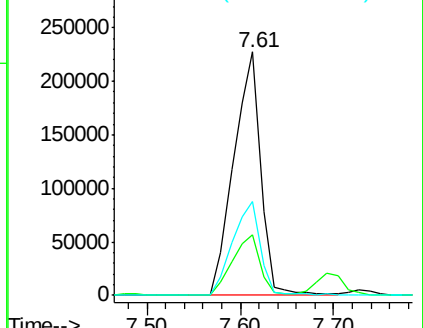
71 38.8 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.98 ng

RT: 7.73 min Scan# 581

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

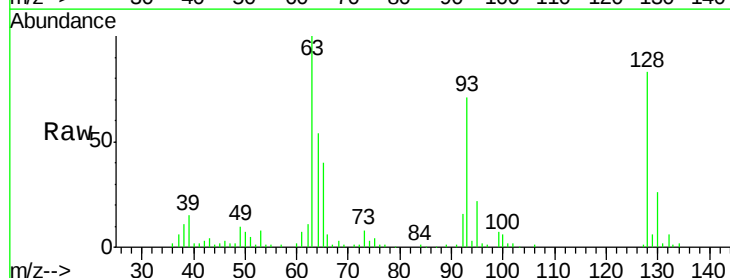
Tgt Ion: 128 Resp: 127520

Ion Ratio Lower Upper

128 100

130 31.5 12.2 52.2

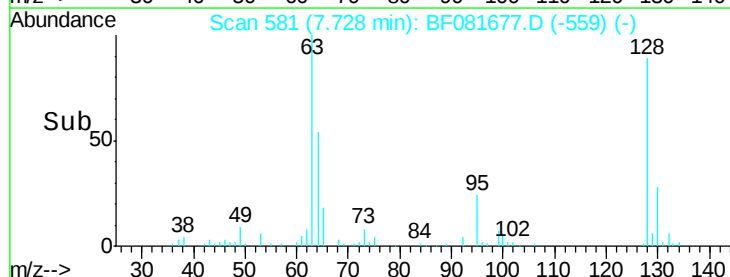
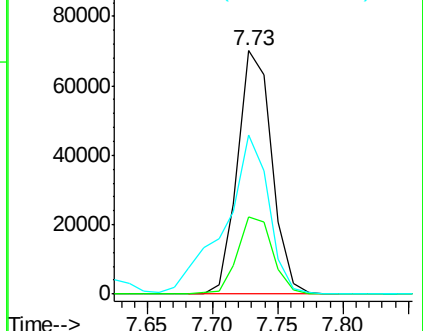
64 65.5 20.5 60.5#

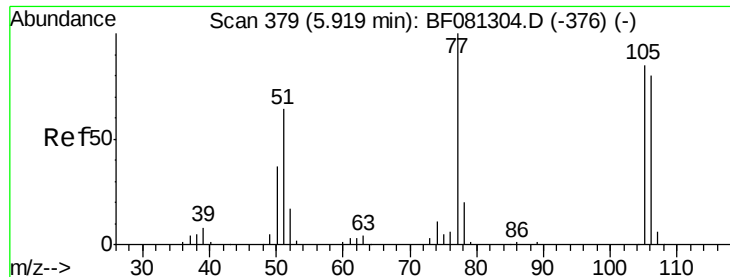


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 24.06 ng

RT: 7.20 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

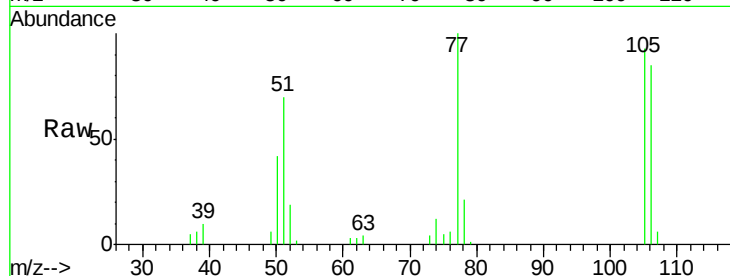
Tgt Ion: 77 Resp: 57747

Ion Ratio Lower Upper

77 100

105 92.9 91.6 131.6

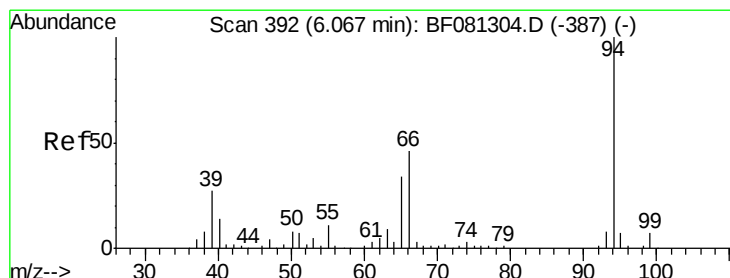
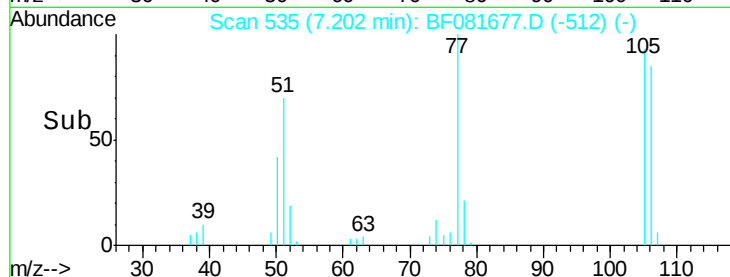
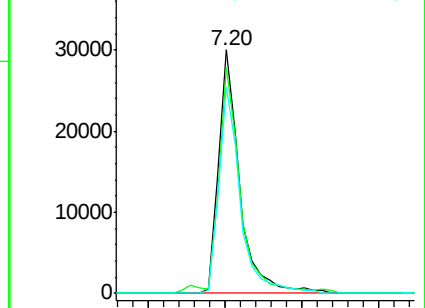
106 84.6 102.6 142.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 36.70 ng

RT: 7.64 min Scan# 573

Delta R.T. -0.03 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

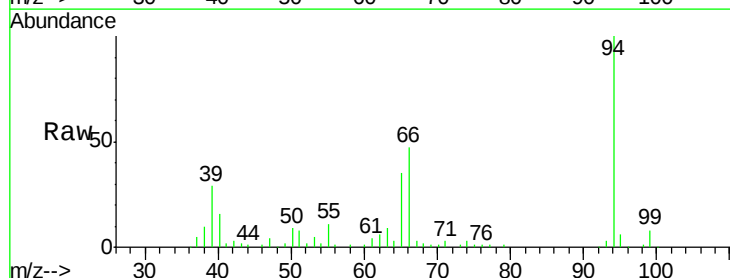
Tgt Ion: 94 Resp: 163075

Ion Ratio Lower Upper

94 100

65 35.0 0.7 40.7

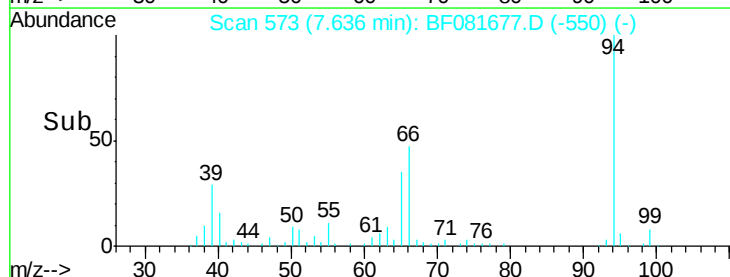
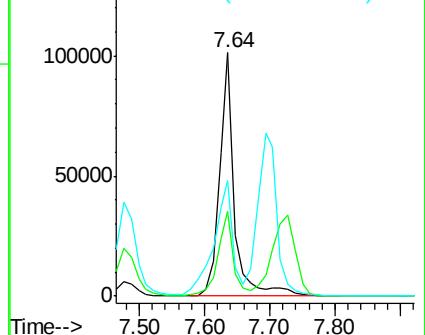
66 47.3 0.8 40.8#

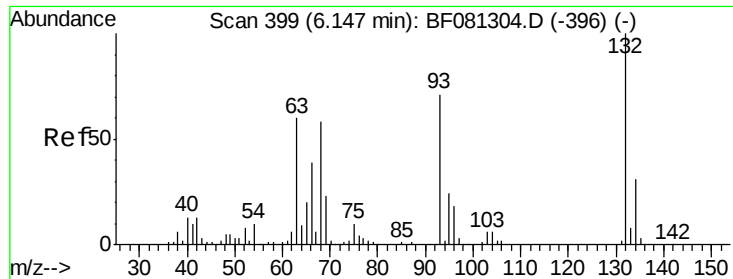


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

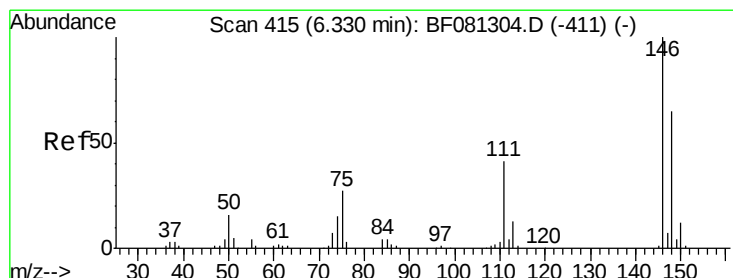
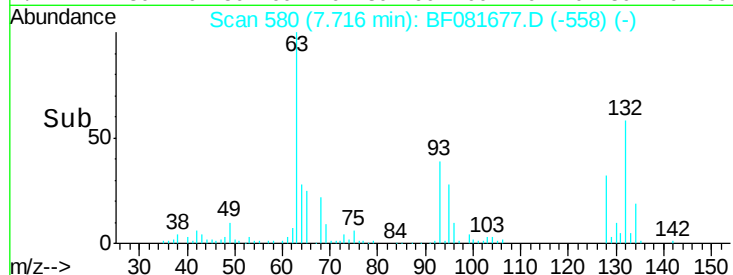
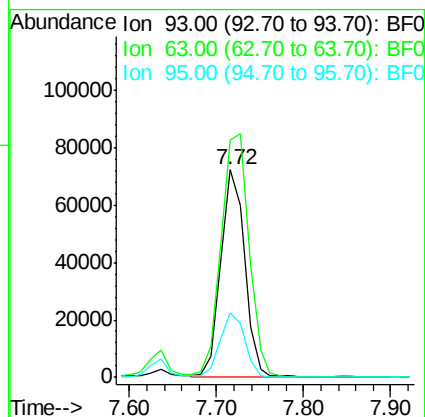
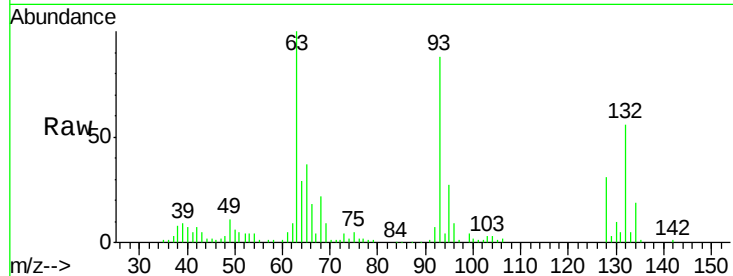




#11  
 bis(2-Chloroethyl)ether  
 Concen: 43.93 ng  
 RT: 7.72 min Scan# 580  
 Delta R.T. -0.04 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

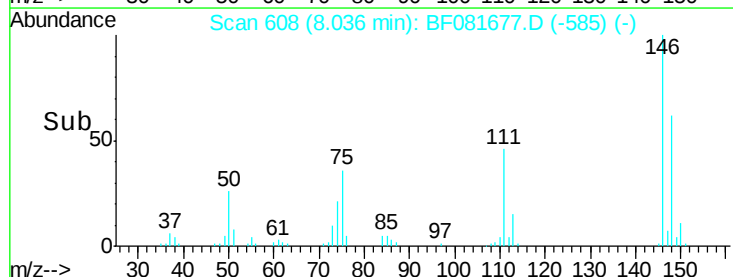
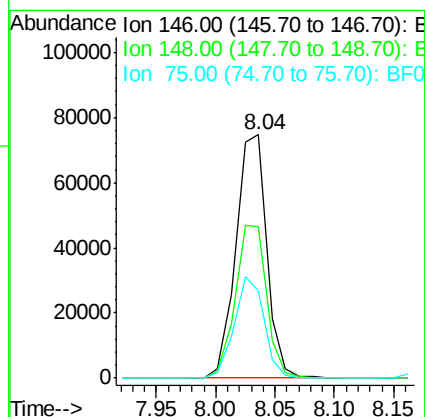
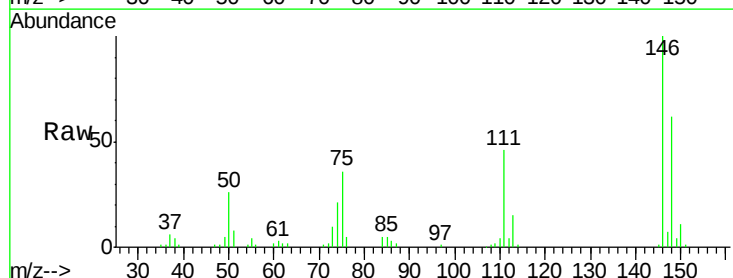
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

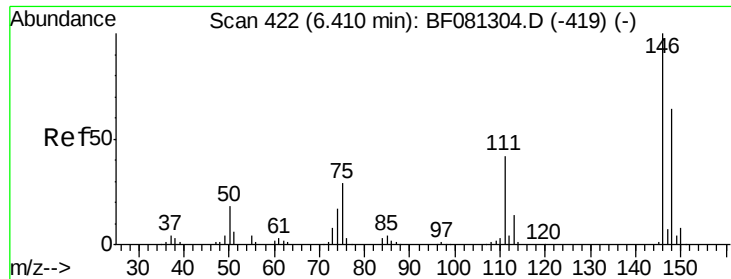
Tgt Ion: 93 Resp: 140819  
 Ion Ratio Lower Upper  
 93 100  
 63 114.3 65.6 105.6#  
 95 31.3 13.6 53.6



#12  
 1,3-Dichlorobenzene  
 Concen: 39.90 ng  
 RT: 8.04 min Scan# 608  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion: 146 Resp: 135974  
 Ion Ratio Lower Upper  
 146 100  
 148 62.4 51.0 76.4  
 75 35.7 15.0 22.6#

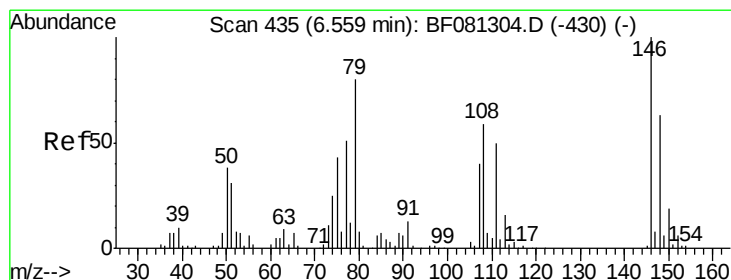
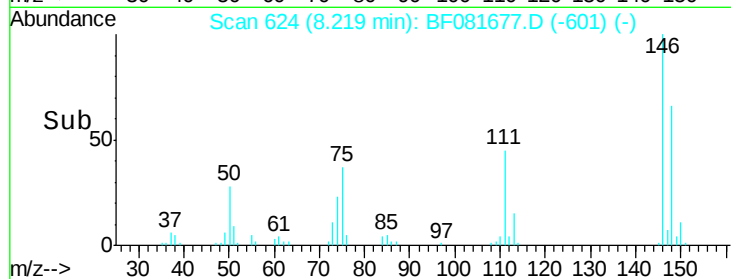
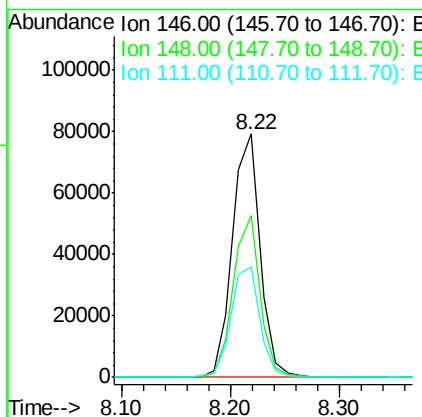
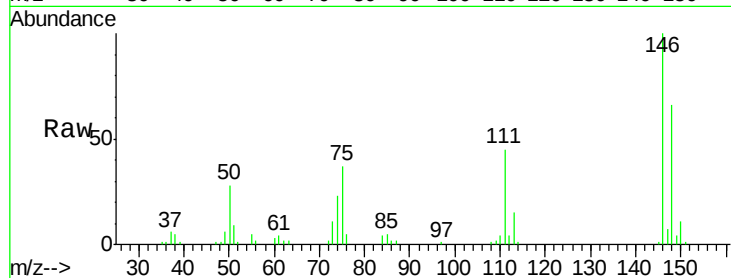




#13  
 1,4-Dichlorobenzene  
 Concen: 39.97 ng  
 RT: 8.22 min Scan# 624  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

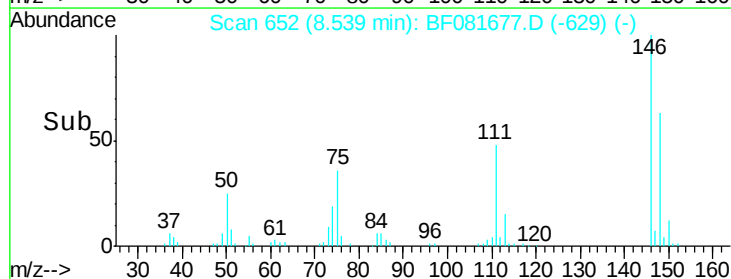
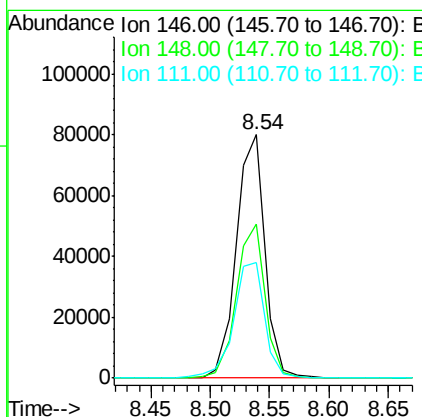
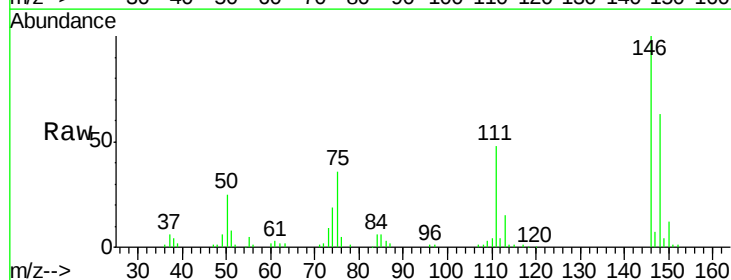
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

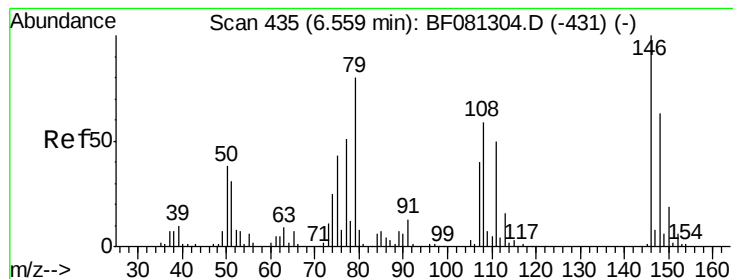
Tgt Ion:146 Resp: 138682  
 Ion Ratio Lower Upper  
 146 100  
 148 66.2 51.8 77.6  
 111 45.1 24.9 37.3#



#14  
 1,2-Dichlorobenzene  
 Concen: 42.94 ng  
 RT: 8.54 min Scan# 652  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion:146 Resp: 134144  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 52.7 79.1  
 111 47.6 28.8 43.2#





#15

Benzyl Alcohol

Concen: 44.77 ng

RT: 8.62 min Scan# 659

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

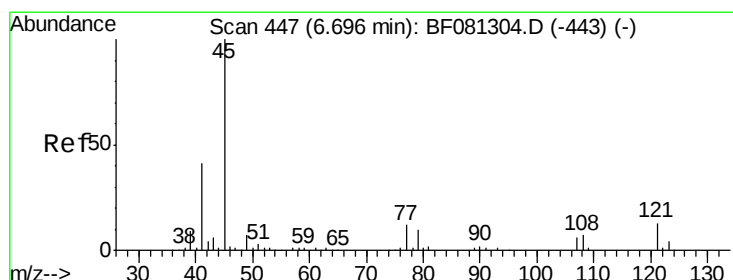
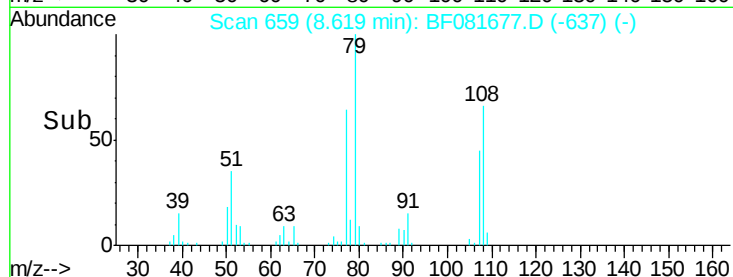
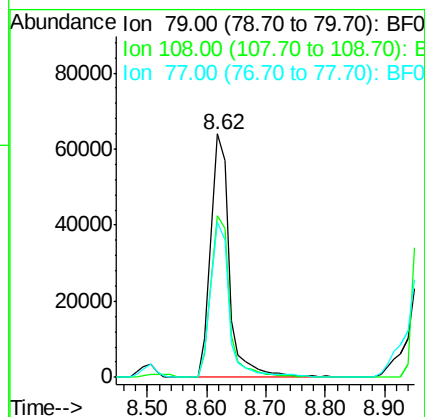
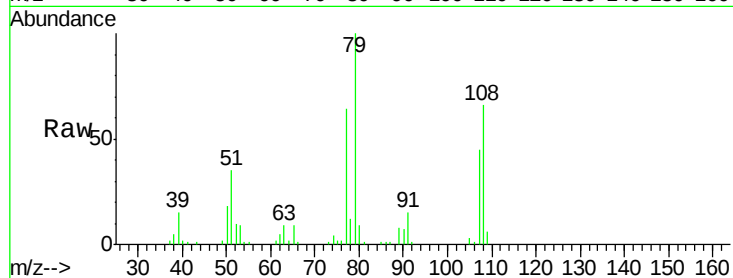
Tgt Ion: 79 Resp: 140694

Ion Ratio Lower Upper

79 100

108 66.3 88.6 132.8#

77 63.5 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.42 ng

RT: 8.94 min Scan# 687

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

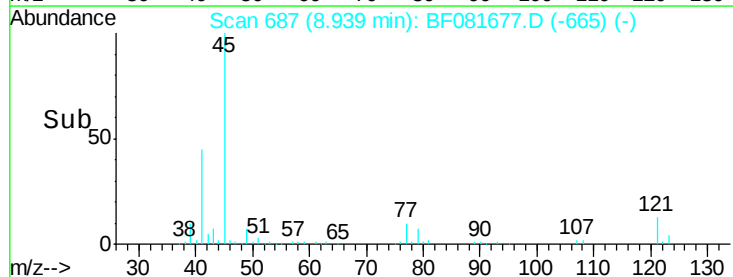
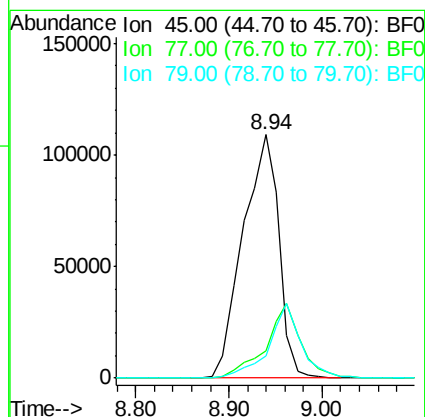
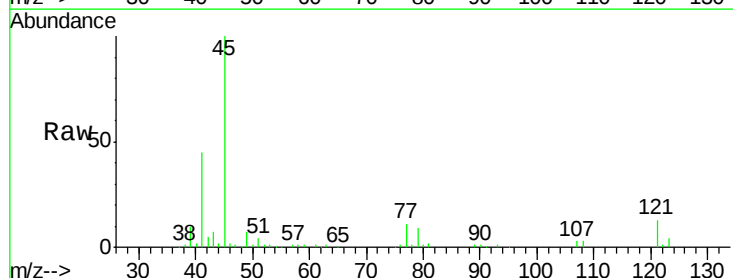
Tgt Ion: 45 Resp: 291342

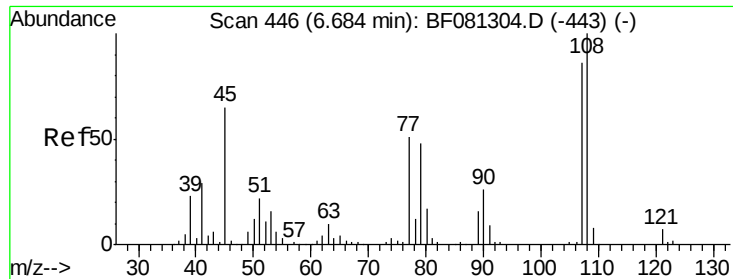
Ion Ratio Lower Upper

45 100

77 11.2 0.0 28.1

79 9.3 0.0 26.0

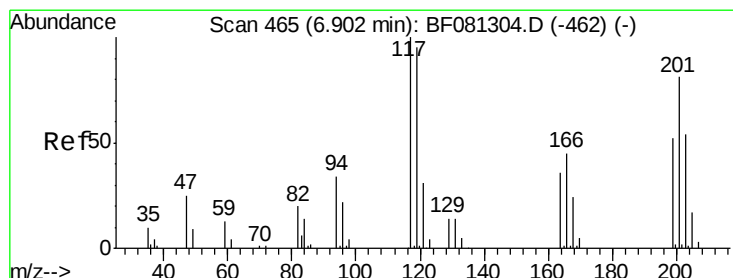
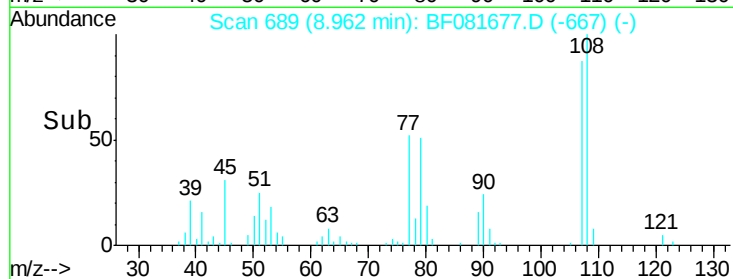
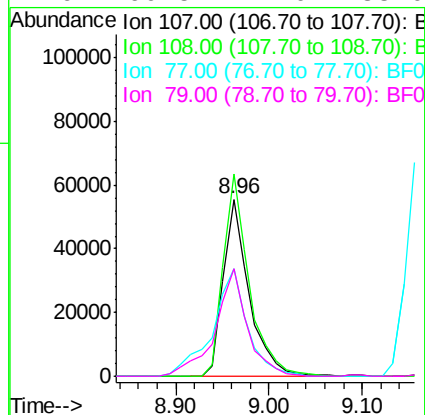
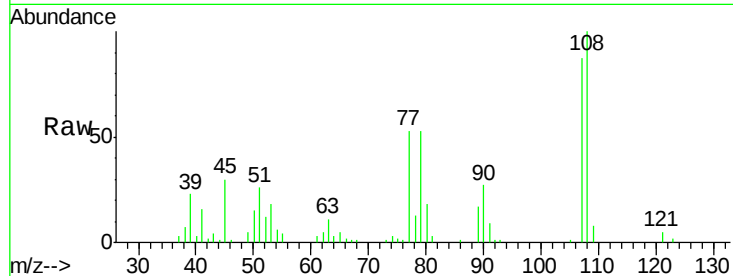




#17  
2-Methylphenol  
Concen: 41.97 ng  
RT: 8.96 min Scan# 689  
Delta R.T. -0.04 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

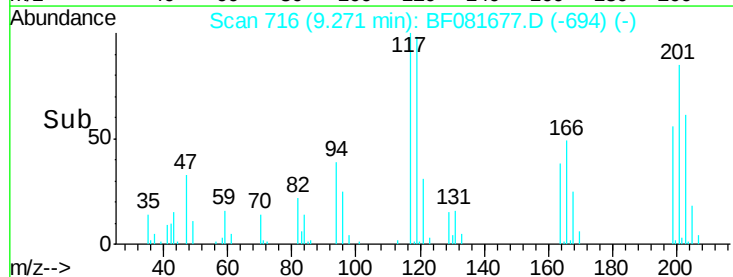
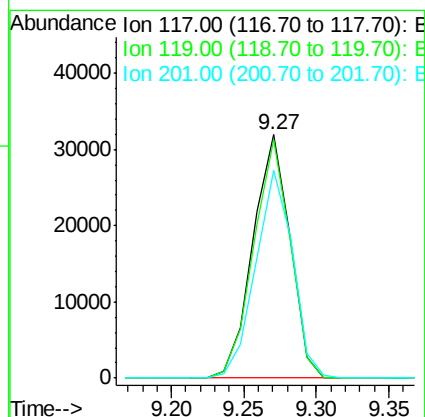
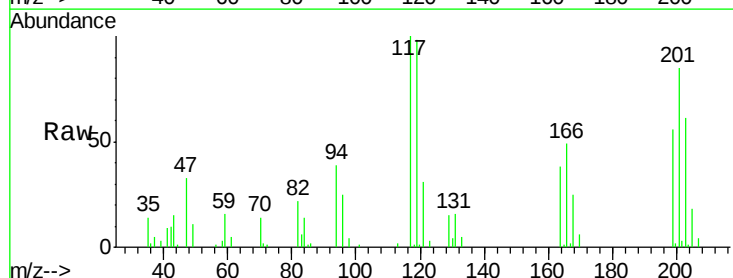
Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

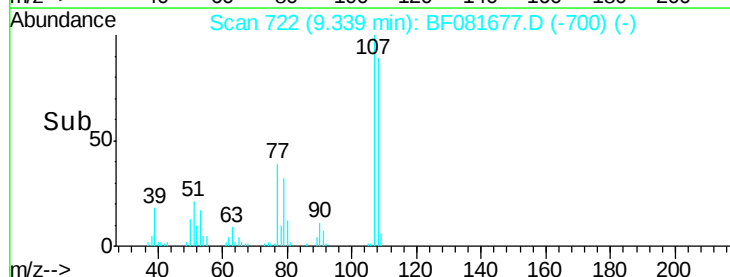
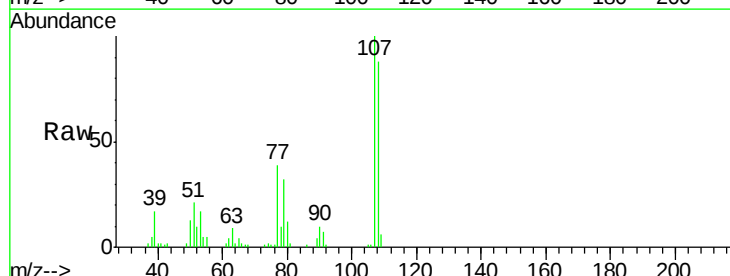
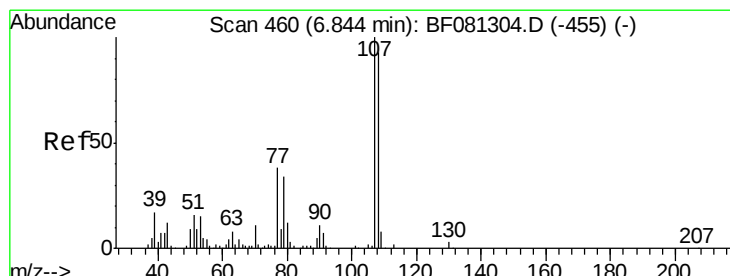
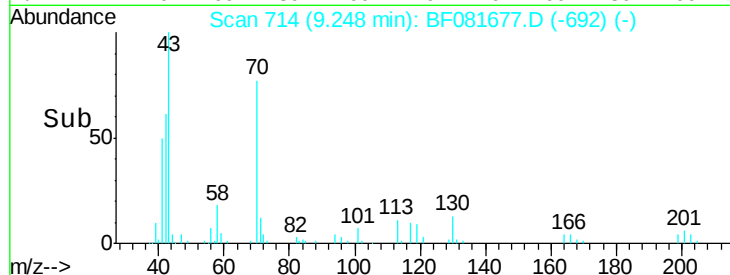
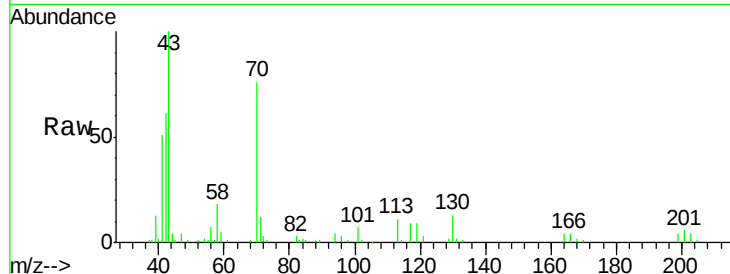
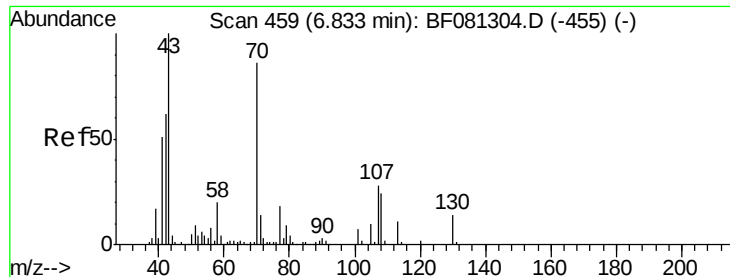
Tgt Ion:107 Resp: 106817  
Ion Ratio Lower Upper  
107 100  
108 114.8 96.6 145.0  
77 60.8 23.3 34.9#  
79 60.5 22.0 33.0#



#18  
Hexachloroethane  
Concen: 41.82 ng  
RT: 9.27 min Scan# 716  
Delta R.T. -0.04 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion:117 Resp: 56458  
Ion Ratio Lower Upper  
117 100  
119 98.0 83.8 125.6  
201 85.3 55.1 82.7#

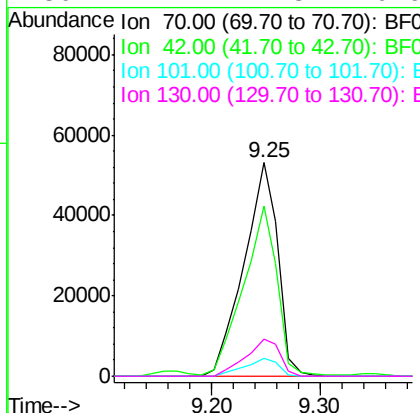




#19  
n-Nitroso-di-n-propylamine  
Concen: 44.20 ng  
RT: 9.25 min Scan# 714  
Delta R.T. -0.04 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

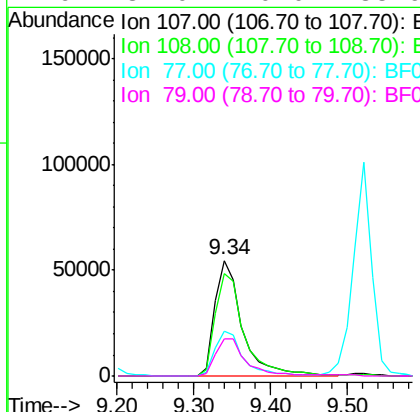
Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

Tgt Ion: 70 Resp: 115248  
Ion Ratio Lower Upper  
70 100  
42 79.6 63.8 95.6  
101 8.6 9.2 13.8#  
130 17.4 27.3 40.9#



#20  
3+4-Methylphenols  
Concen: 39.91 ng  
RT: 9.34 min Scan# 722  
Delta R.T. -0.04 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion: 107 Resp: 136930  
Ion Ratio Lower Upper  
107 100  
108 88.3 74.6 114.6  
77 38.8 0.7 40.7  
79 32.0 0.0 38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.08 min Scan# 874

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

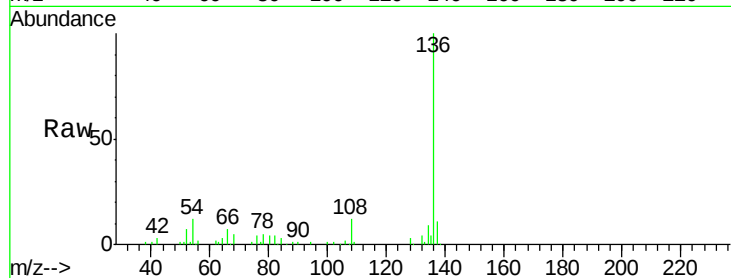
Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 175791 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 9.0   | 13.6   |
| 54       | 12.3  | 8.2   | 12.2#  |
| 68       | 4.6   | 5.8   | 8.6#   |

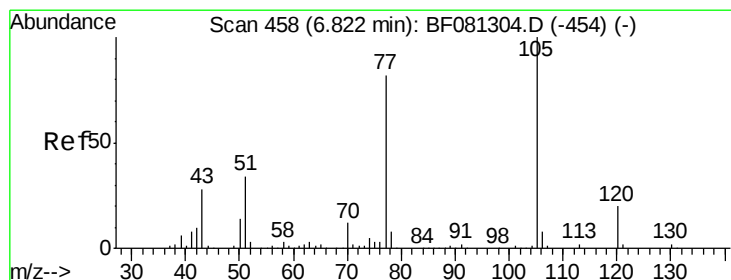
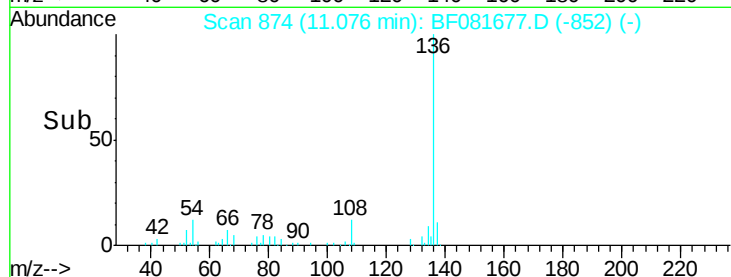
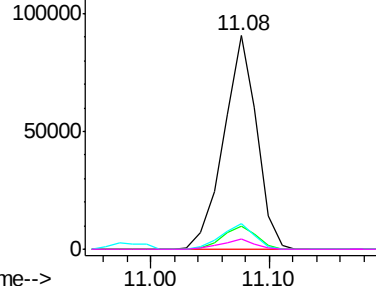


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.40 ng

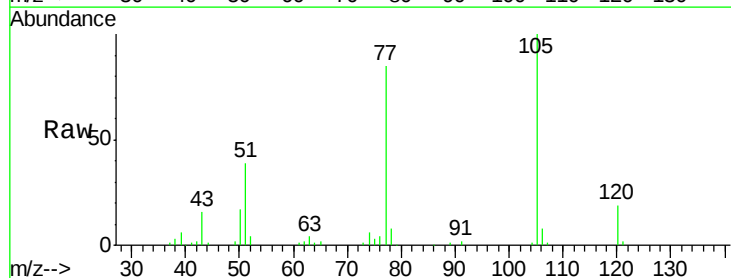
RT: 9.17 min Scan# 707

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 208376 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.0   | 4.7   | 7.1#   |
| 51       | 39.3  | 22.0  | 33.0#  |
| 120      | 19.0  | 30.1  | 45.1#  |

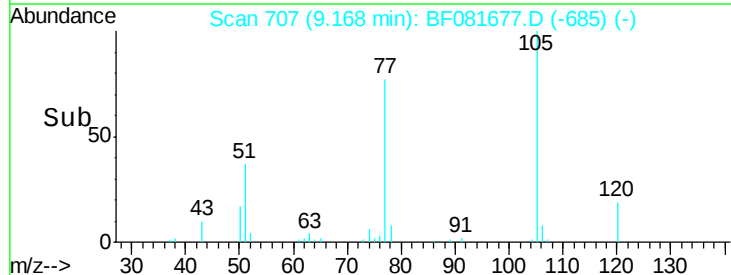
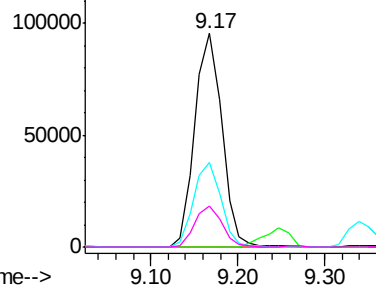


Abundance Ion 105.00 (104.70 to 105.70): E

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

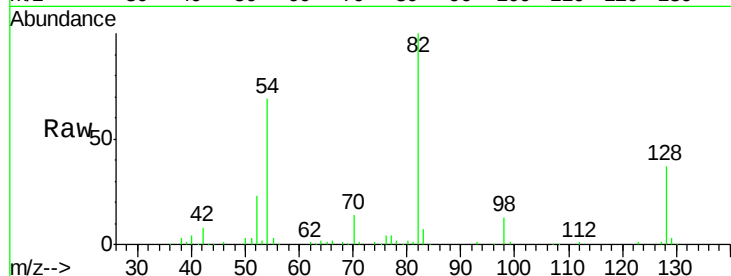




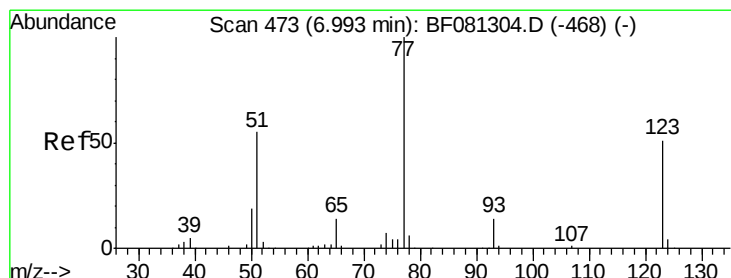
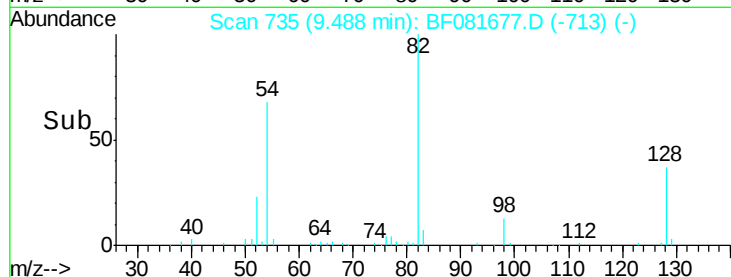
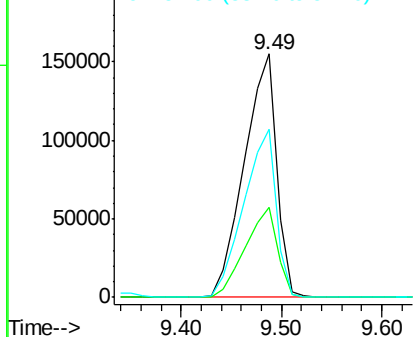
#23  
 Nitrobenzene-d5  
 Concen: 95.15 ng  
 RT: 9.49 min Scan# 735  
 Delta R.T. -0.04 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

Tgt Ion: 82 Resp: 346682  
 Ion Ratio Lower Upper  
 82 100  
 128 37.1 51.0 76.6#  
 54 68.8 47.5 71.3

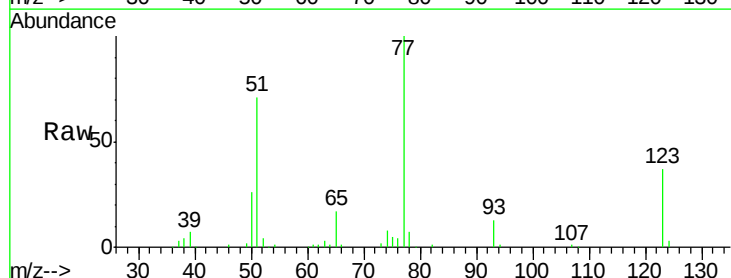


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

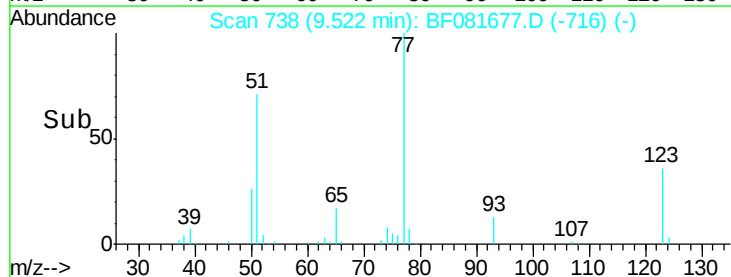
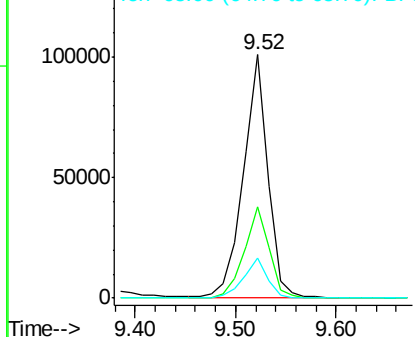


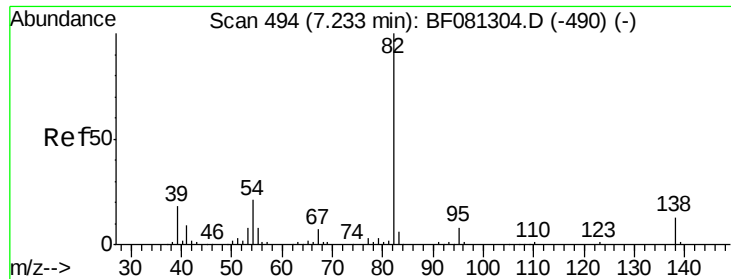
#24  
 Nitrobenzene  
 Concen: 45.53 ng  
 RT: 9.52 min Scan# 738  
 Delta R.T. -0.04 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion: 77 Resp: 172285  
 Ion Ratio Lower Upper  
 77 100  
 123 37.4 59.8 89.8#  
 65 16.6 10.2 15.4#



Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0

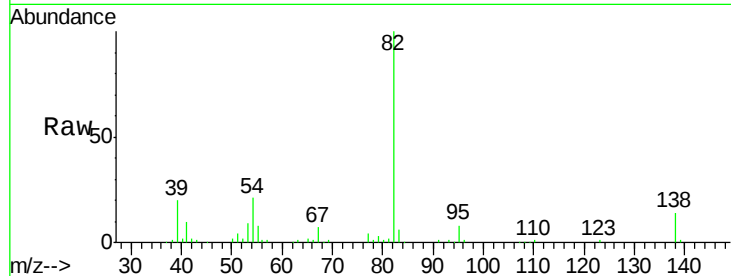




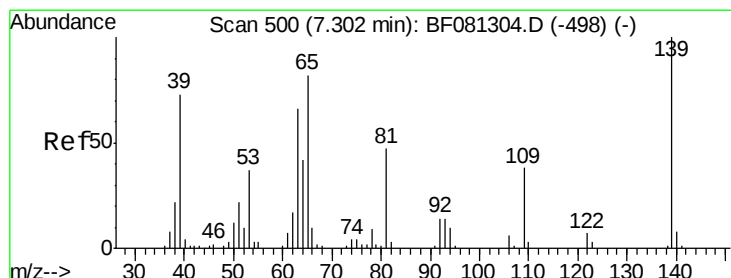
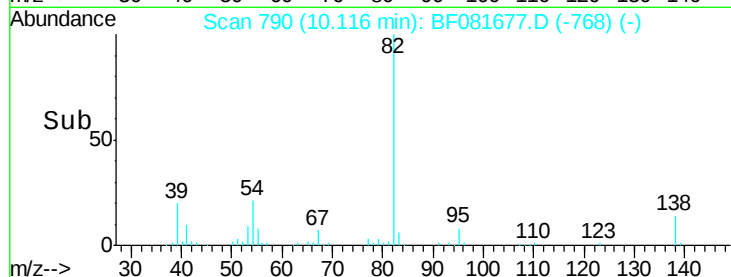
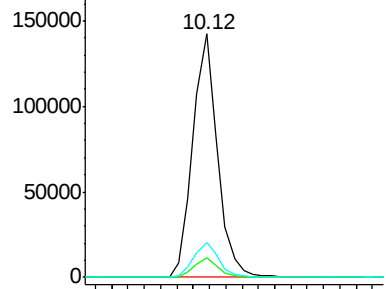
#25  
Isophorone  
Concen: 44.22 ng  
RT: 10.12 min Scan# 790  
Delta R.T. -0.04 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

Tgt Ion: 82 Resp: 299669  
Ion Ratio Lower Upper  
82 100  
95 7.8 4.0 6.0#  
138 14.2 18.3 27.5#

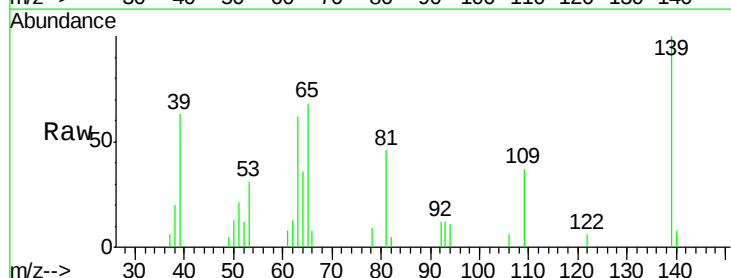


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

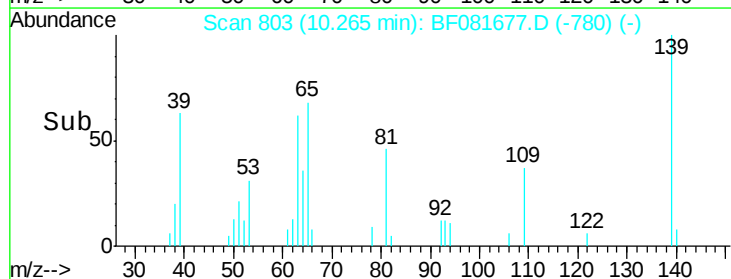
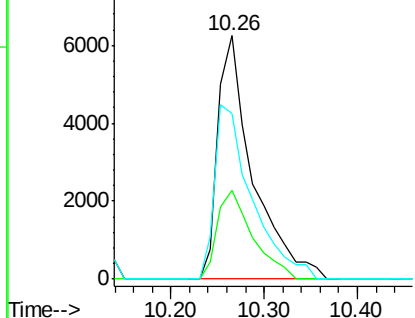


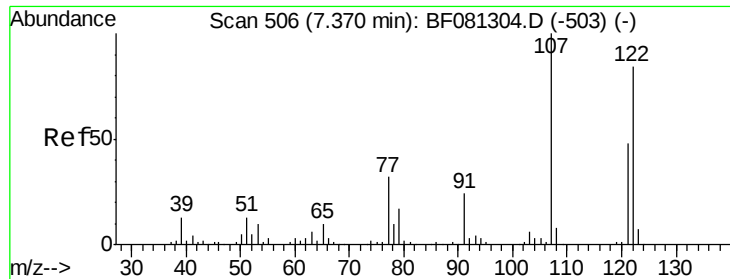
#26  
2-Nitrophenol  
Concen: 9.88 ng  
RT: 10.26 min Scan# 803  
Delta R.T. -0.03 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion: 139 Resp: 16287  
Ion Ratio Lower Upper  
139 100  
109 36.6 11.0 16.4#  
65 68.0 24.7 37.1#



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

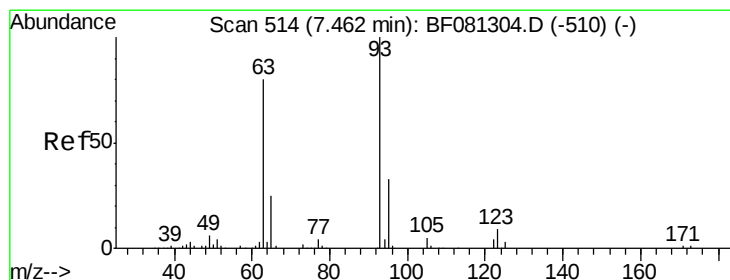
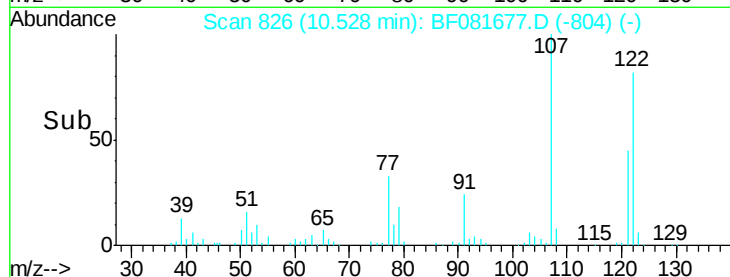
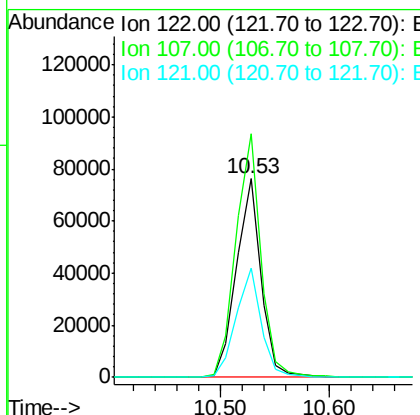
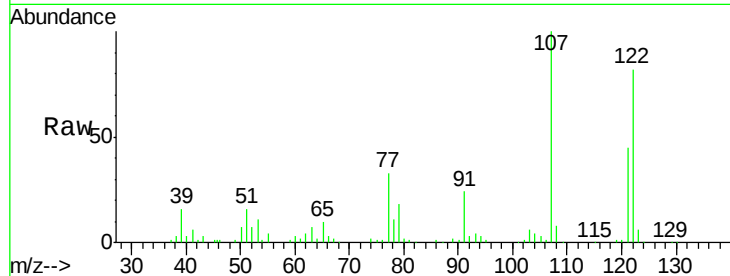




#27  
 2,4-Dimethylphenol  
 Concen: 41.80 ng  
 RT: 10.53 min Scan# 826  
 Delta R.T. -0.04 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

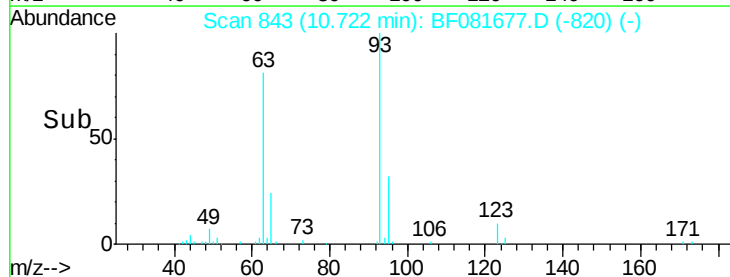
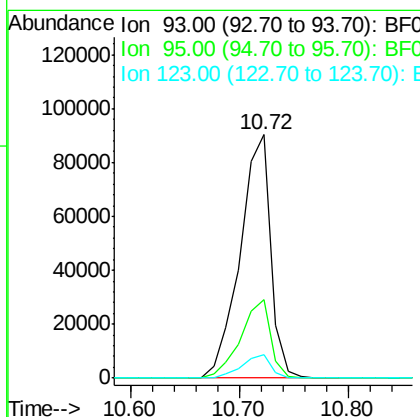
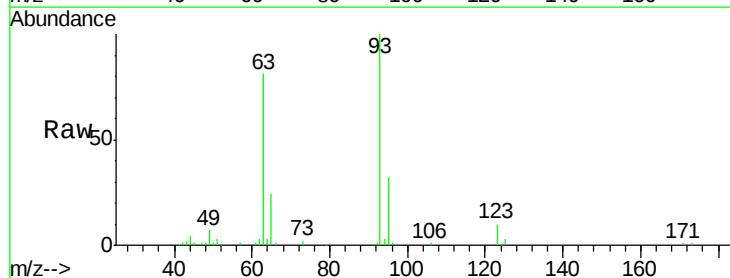
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

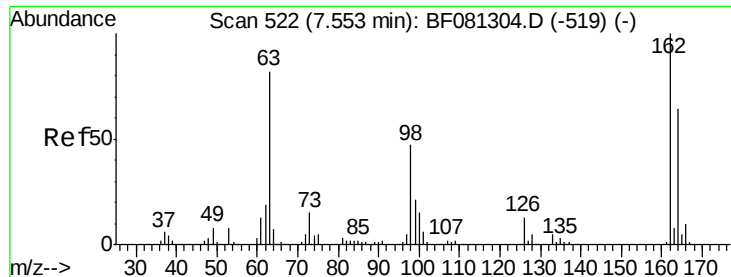
Tgt Ion: 122 Resp: 119061  
 Ion Ratio Lower Upper  
 122 100  
 107 122.6 71.8 107.6#  
 121 54.9 42.3 63.5



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.03 ng  
 RT: 10.72 min Scan# 843  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion: 93 Resp: 176271  
 Ion Ratio Lower Upper  
 93 100  
 95 32.5 27.5 41.3  
 123 9.8 13.7 20.5#

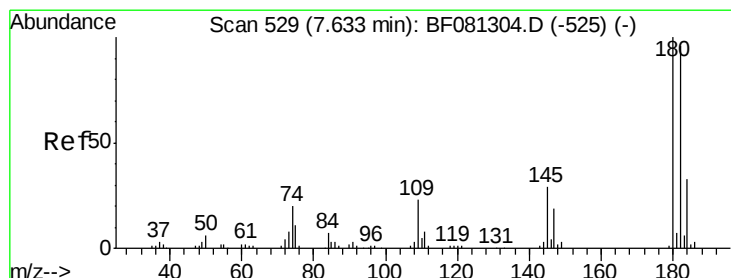
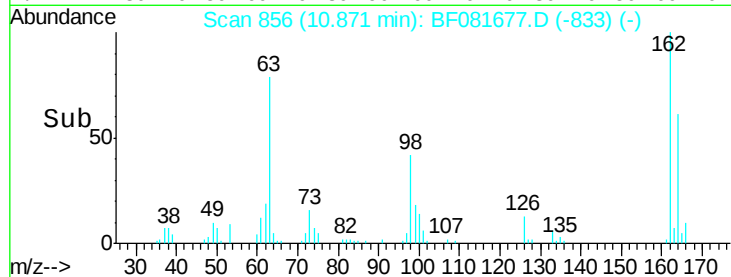
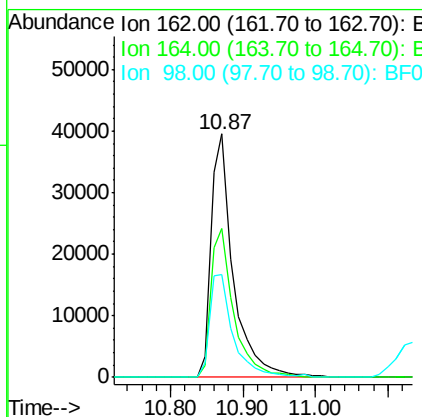
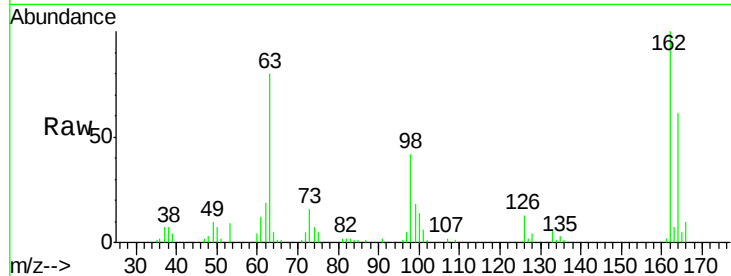




#29  
 2,4-Dichlorophenol  
 Concen: 33.75 ng  
 RT: 10.87 min Scan# 856  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

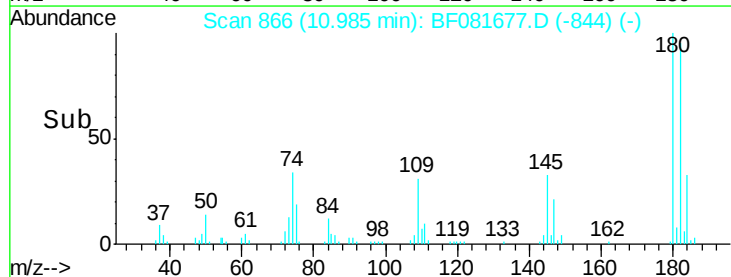
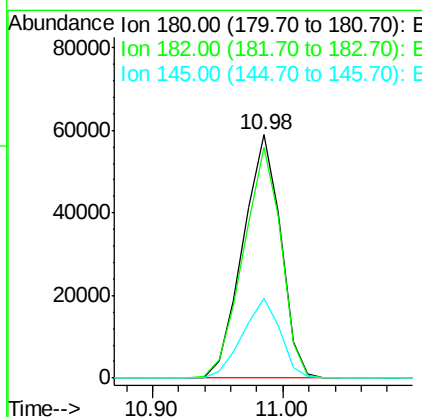
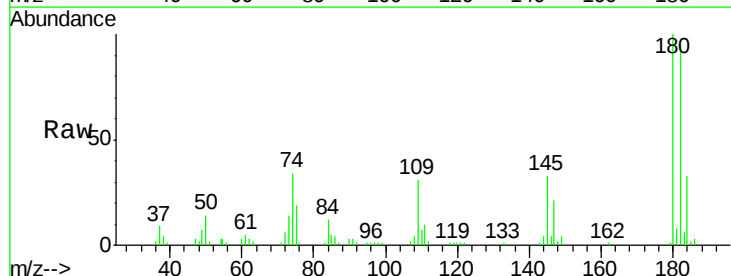
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

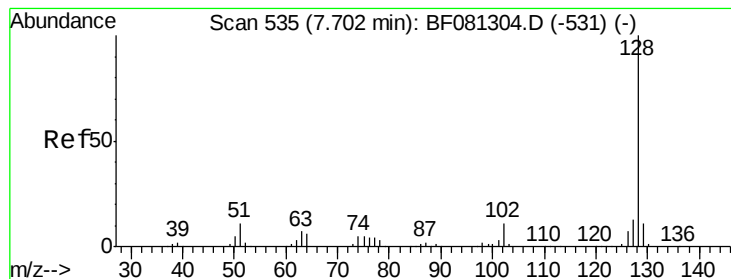
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.4  | 44.9  | 84.9  |
| 98      | 42.2  | 13.0  | 53.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.25 ng  
 RT: 10.98 min Scan# 866  
 Delta R.T. -0.04 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 77.1  | 115.7 |
| 145     | 33.0  | 23.3  | 34.9  |





#31

Naphthalene

Concen: 75.09 ng

RT: 11.13 min Scan# 879

Delta R.T. -0.03 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

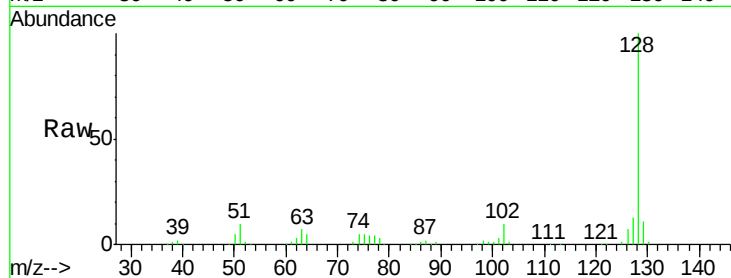
Tgt Ion:128 Resp: 703989

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

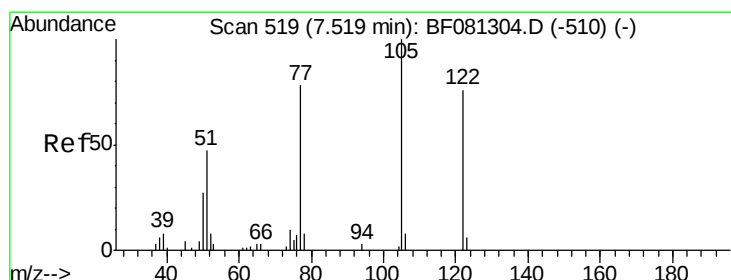
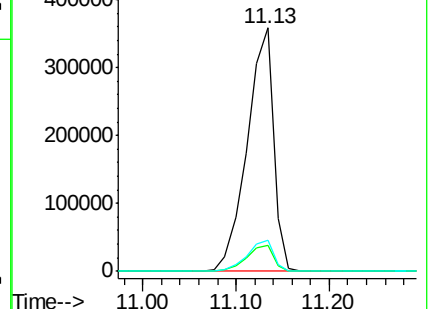
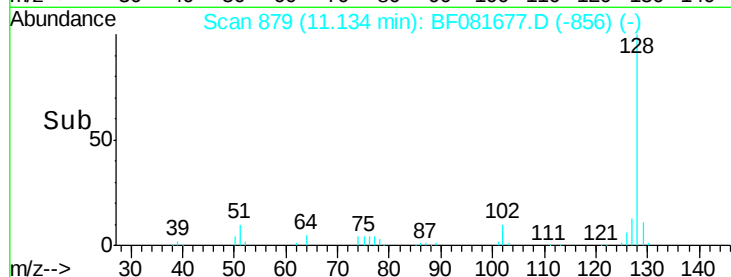
127 13.0 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.69 ng

RT: 10.98 min Scan# 866

Delta R.T. -0.10 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

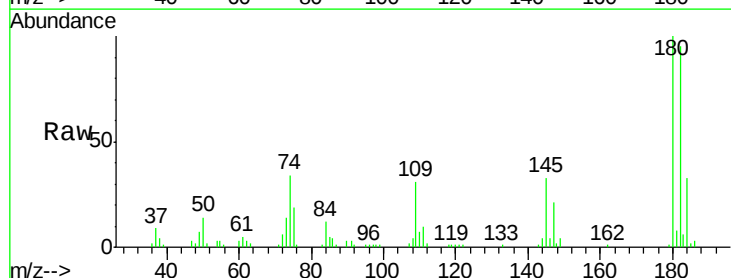
Tgt Ion:122 Resp: 315

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

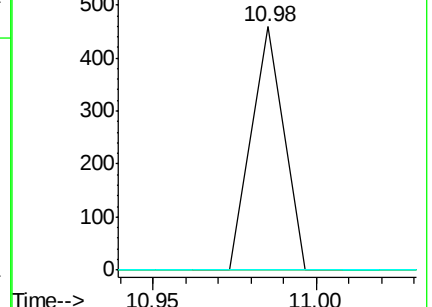
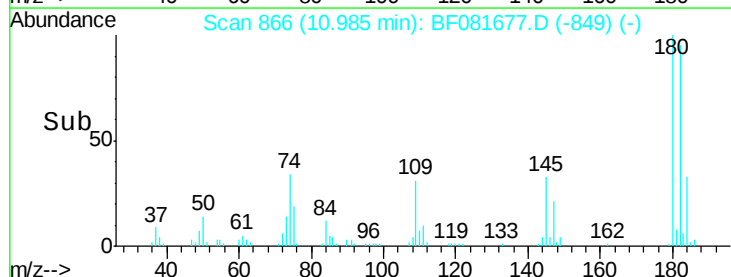
77 0.0 40.5 80.5#

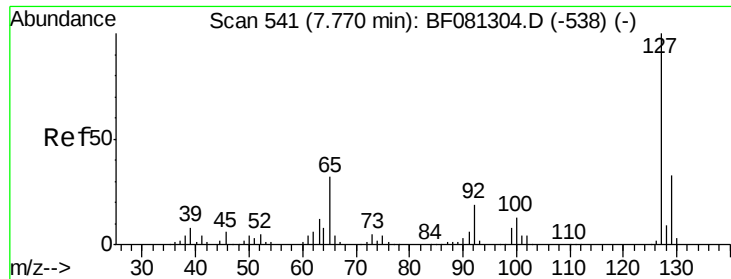


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

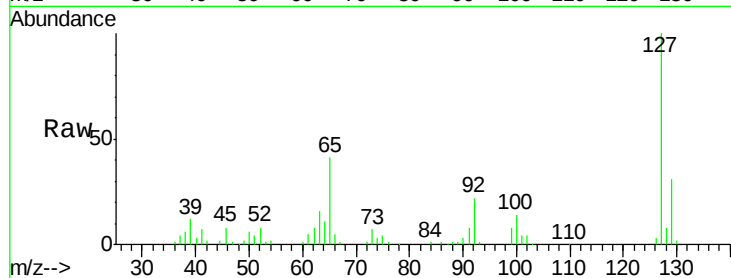




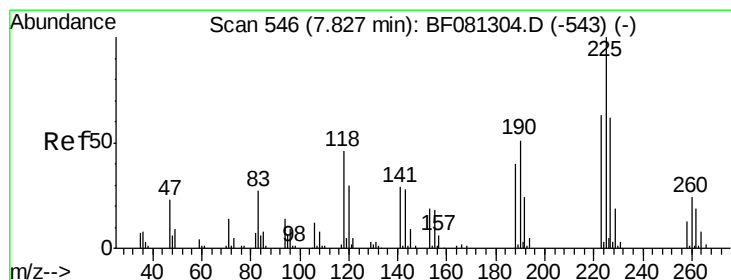
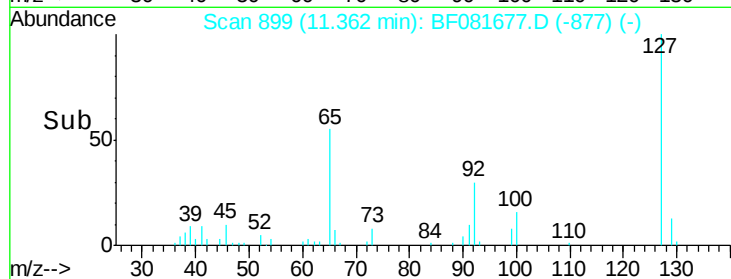
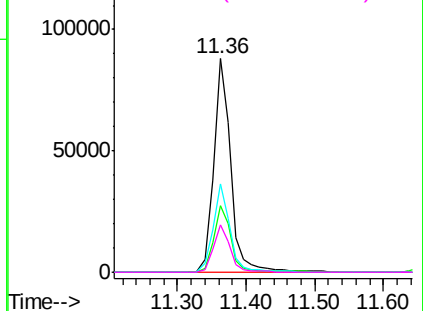
#33  
4-Chloroaniline  
Concen: 40.20 ng  
RT: 11.36 min Scan# 899  
Delta R.T. -0.04 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

Tgt Ion:127 Resp: 153711  
Ion Ratio Lower Upper  
127 100  
129 31.1 25.8 38.6  
65 41.2 17.9 26.9#  
92 22.2 10.5 15.7#

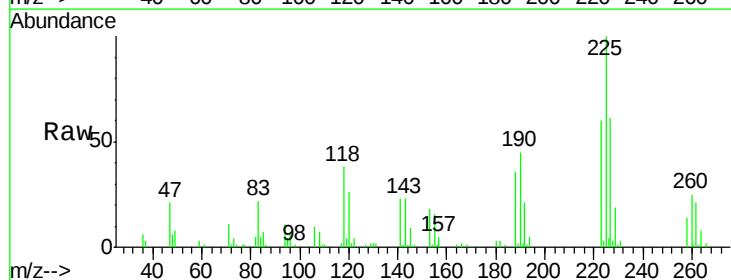


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

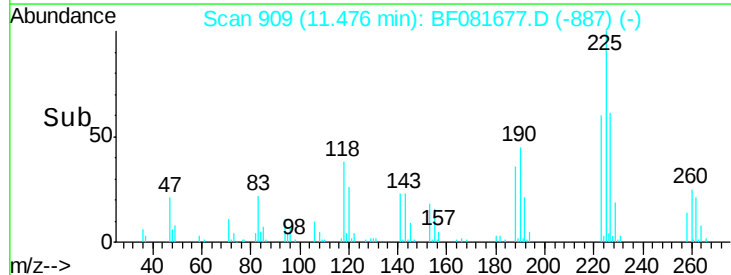
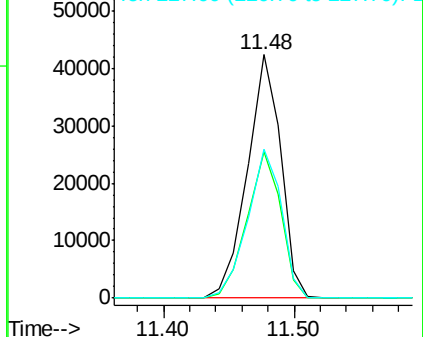


#34  
Hexachlorobutadiene  
Concen: 46.56 ng  
RT: 11.48 min Scan# 909  
Delta R.T. -0.04 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion:225 Resp: 76028  
Ion Ratio Lower Upper  
225 100  
223 60.2 50.2 75.2  
227 61.1 52.2 78.2



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: 35.33 ng

RT: 12.24 min Scan# 976

Delta R.T. -0.15 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

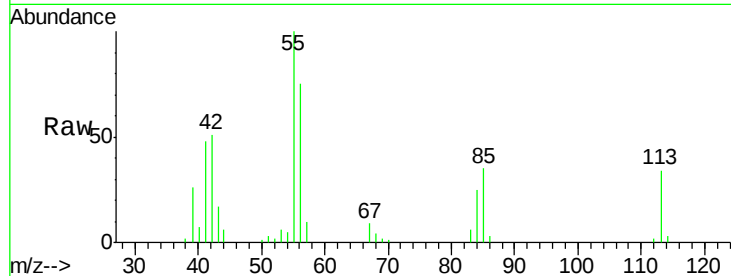
Tgt Ion:113 Resp: 26768

Ion Ratio Lower Upper

113 100

55 290.4 152.4 192.4#

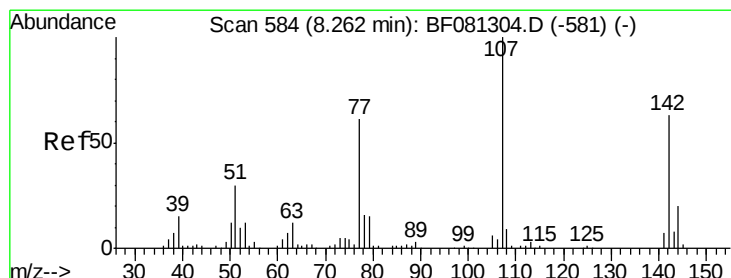
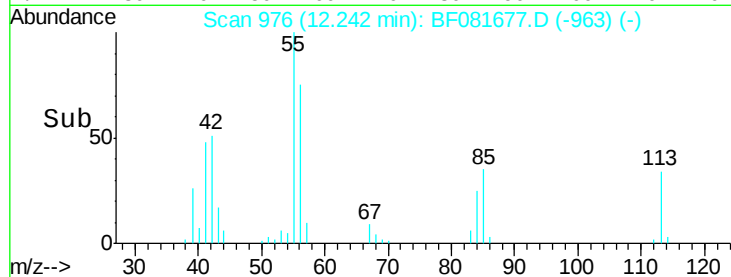
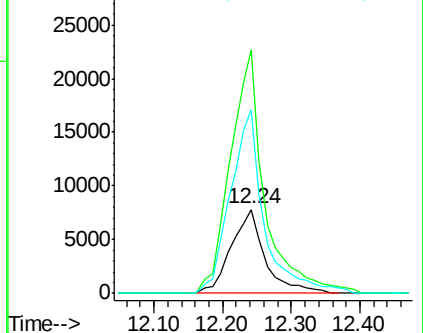
56 218.6 104.6 144.6#



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: 46.16 ng

RT: 12.68 min Scan# 1014

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

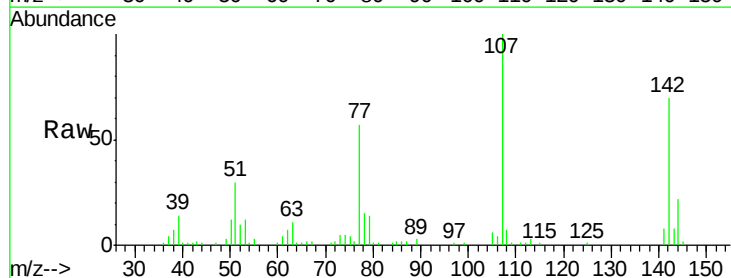
Tgt Ion:107 Resp: 127625

Ion Ratio Lower Upper

107 100

144 22.2 25.4 38.0#

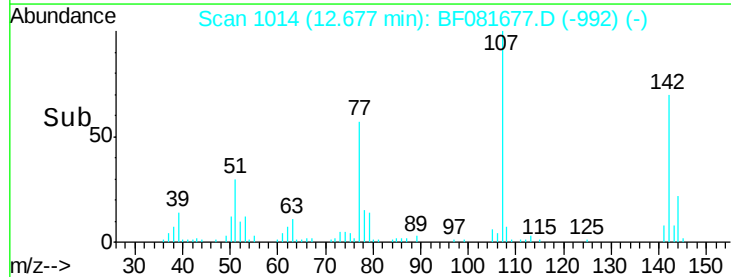
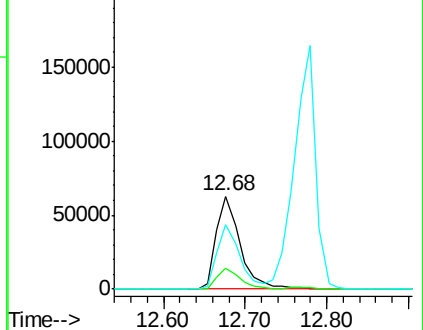
142 69.7 77.3 115.9#

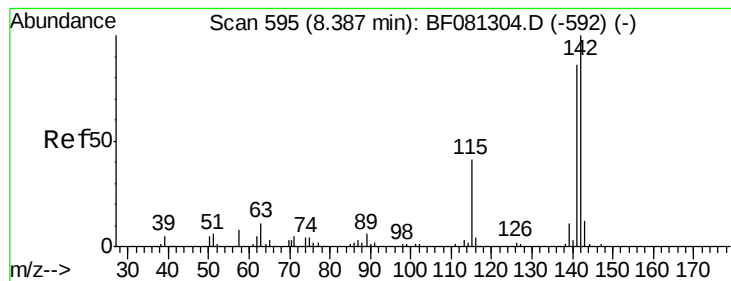


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 49.11 ng

RT: 12.78 min Scan# 1023

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

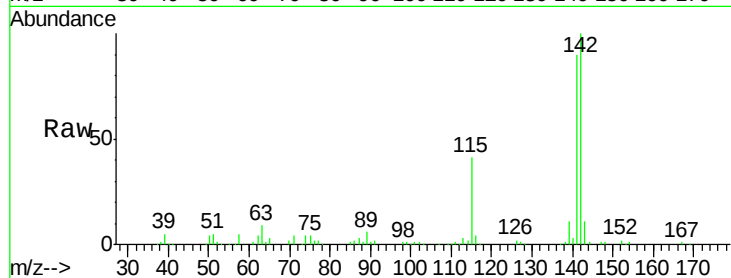
Tgt Ion:142 Resp: 299628

Ion Ratio Lower Upper

142 100

141 89.8 67.5 101.3

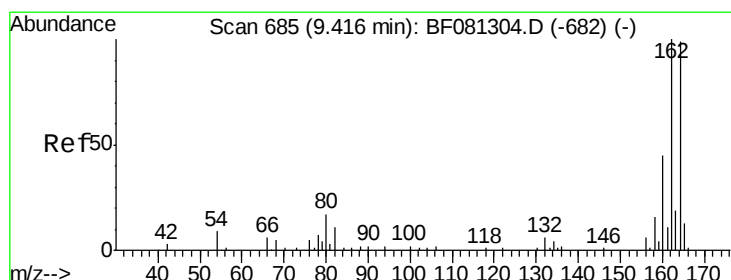
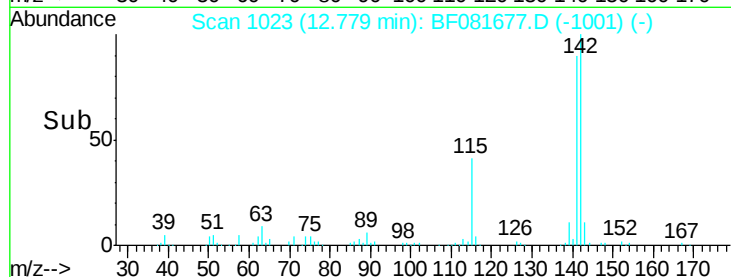
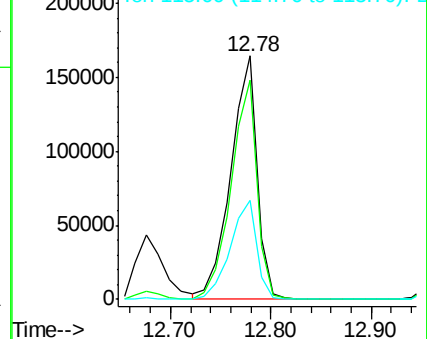
115 40.8 18.2 27.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.20 min Scan# 1235

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

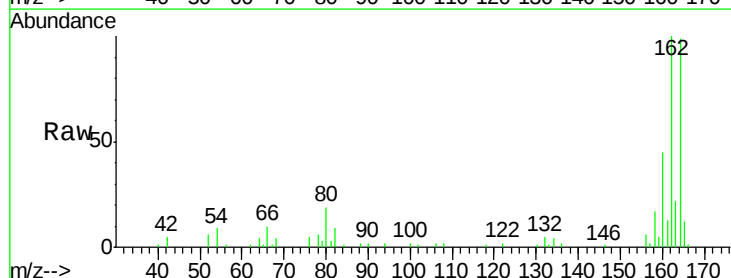
Tgt Ion:164 Resp: 84637

Ion Ratio Lower Upper

164 100

162 101.3 75.2 112.8

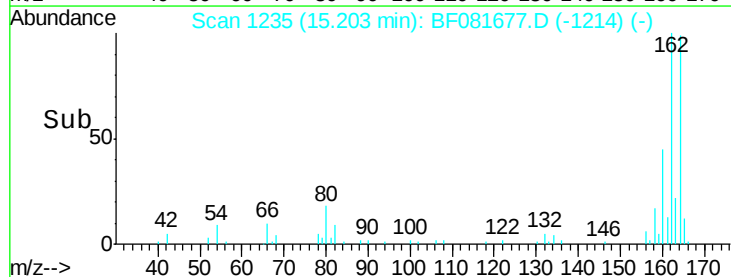
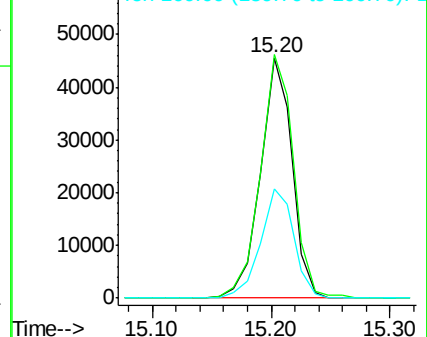
160 45.6 31.5 47.3

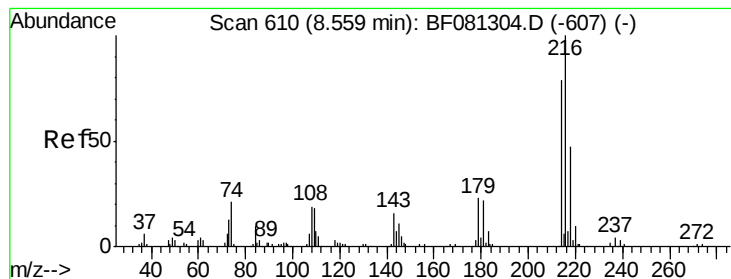


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.80 ng

RT: 13.18 min Scan# 1058

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

Tgt Ion:216 Resp: 117234

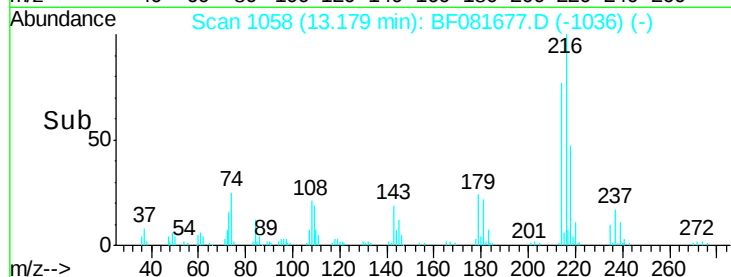
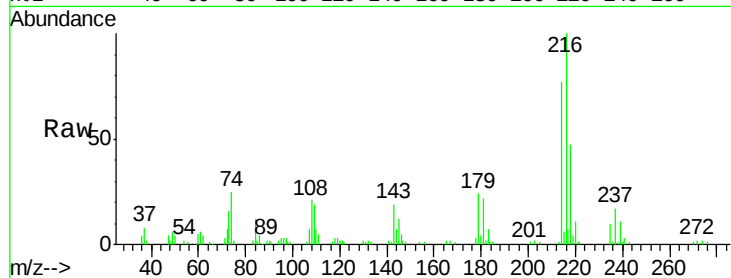
Ion Ratio Lower Upper

216 100

214 79.1 63.5 95.3

179 23.3 16.6 24.8

108 22.5 16.3 24.5

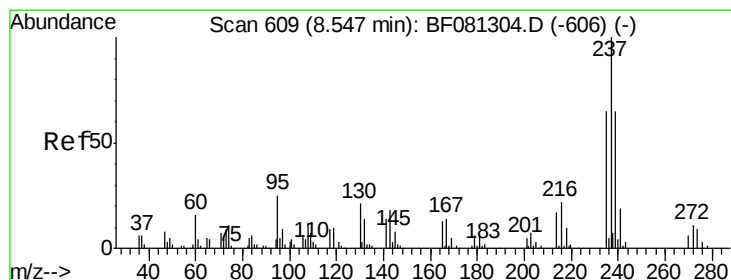
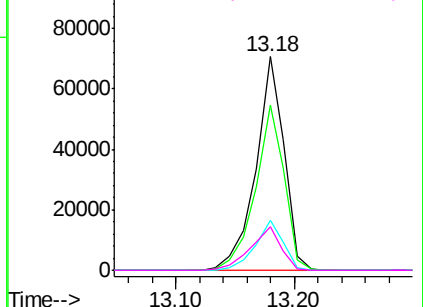


Abundance Ion 216.00 (215.70 to 216.70): E

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: 56.98 ng

RT: 13.17 min Scan# 1057

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

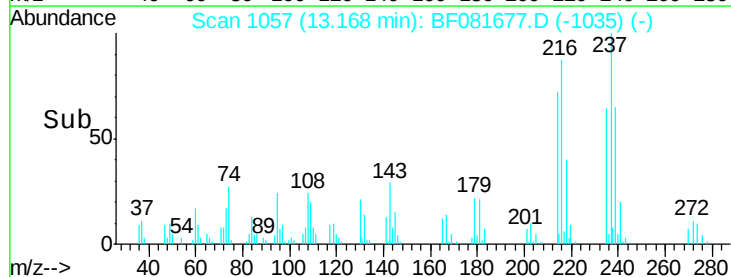
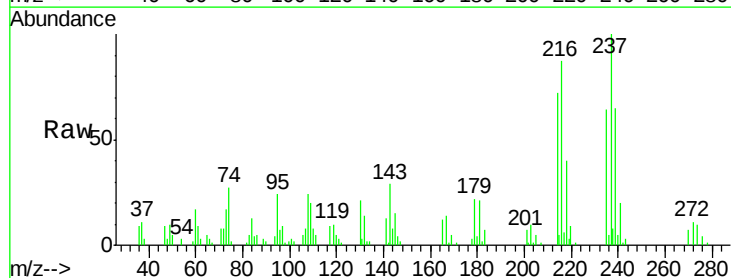
Tgt Ion:237 Resp: 74844

Ion Ratio Lower Upper

237 100

235 64.2 42.0 82.0

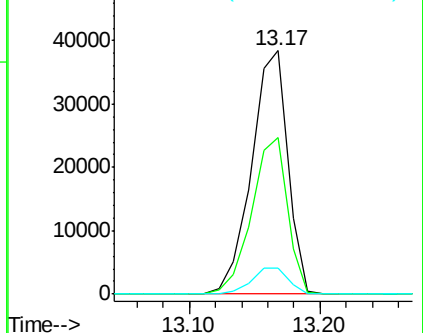
272 10.6 0.0 36.1

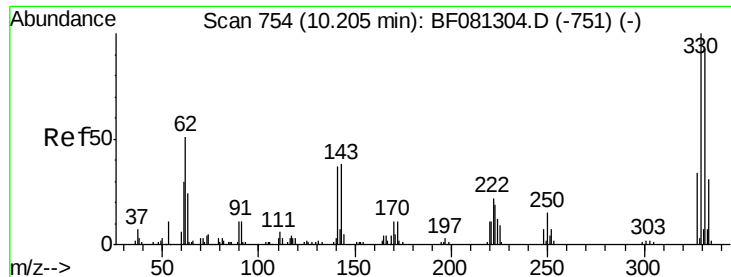


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

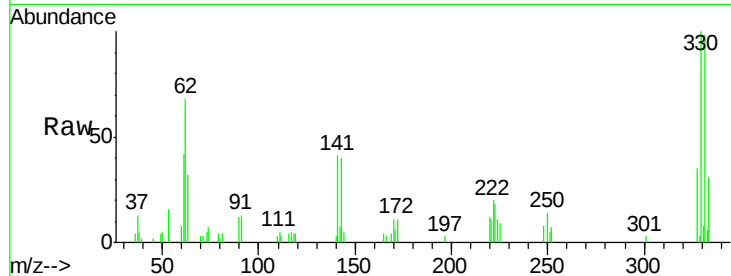




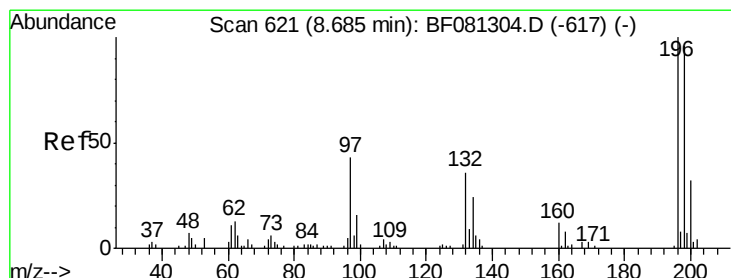
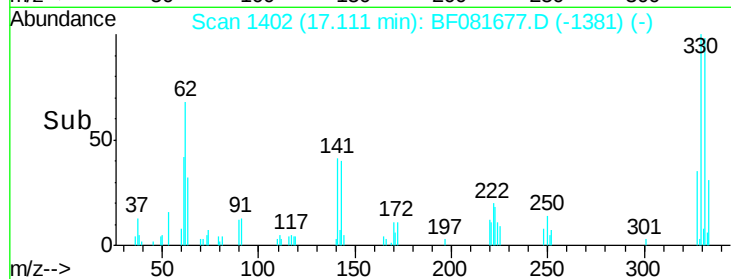
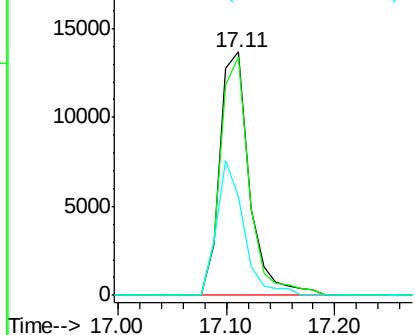
#41  
 2,4,6-Tribromophenol  
 Concen: 34.41 ng  
 RT: 17.11 min Scan# 1402  
 Delta R.T. -0.06 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

Tgt Ion:330 Resp: 25932  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.6 114.8  
 141 50.4 29.7 44.5#

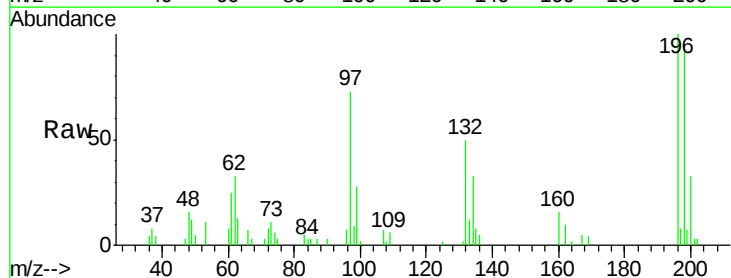


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

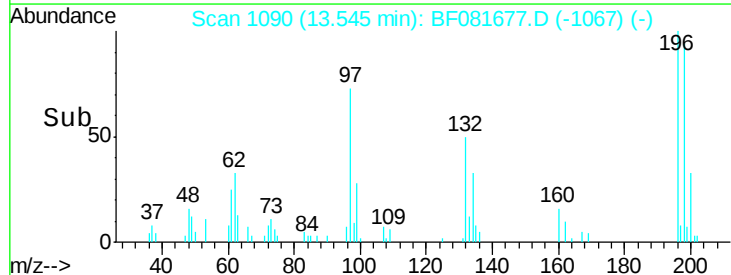
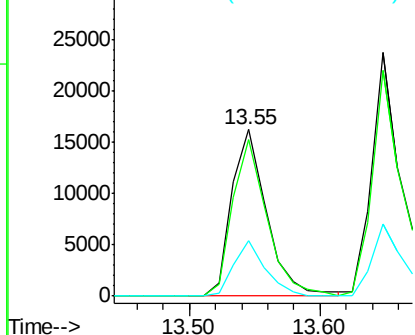


#42  
 2,4,6-Trichlorophenol  
 Concen: 16.44 ng  
 RT: 13.55 min Scan# 1090  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion:196 Resp: 30374  
 Ion Ratio Lower Upper  
 196 100  
 198 93.9 75.7 113.5  
 200 33.0 23.9 35.9



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

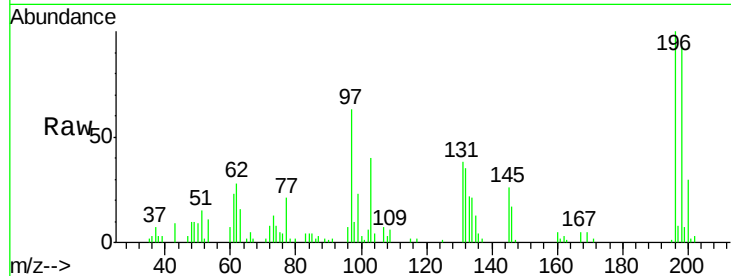




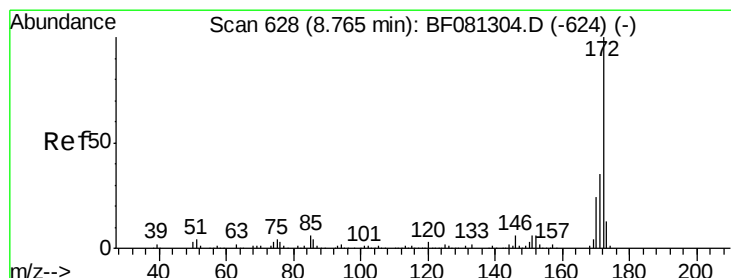
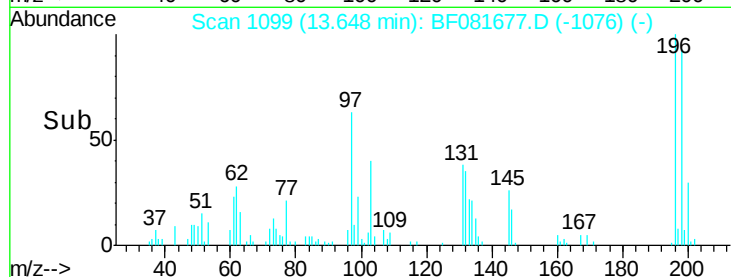
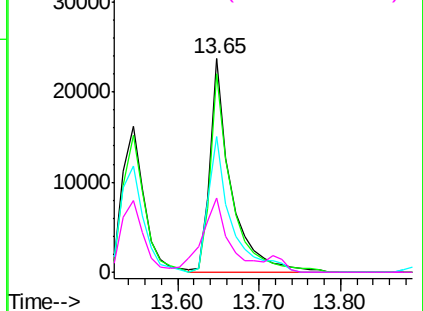
#43  
 2,4,5-Trichlorophenol  
 Concen: 22.86 ng  
 RT: 13.65 min Scan# 1099  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

Tgt Ion:196 Resp: 43074  
 Ion Ratio Lower Upper  
 196 100  
 198 92.9 75.4 113.0  
 97 63.3 33.3 49.9#  
 132 34.5 24.6 37.0

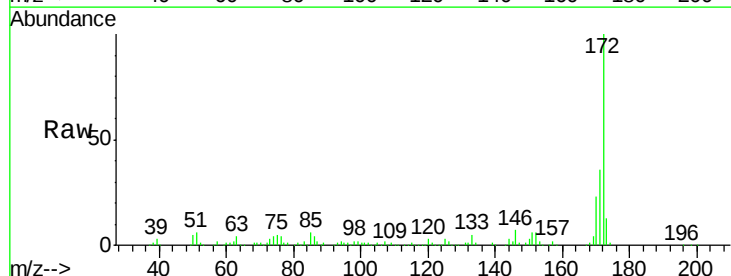


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

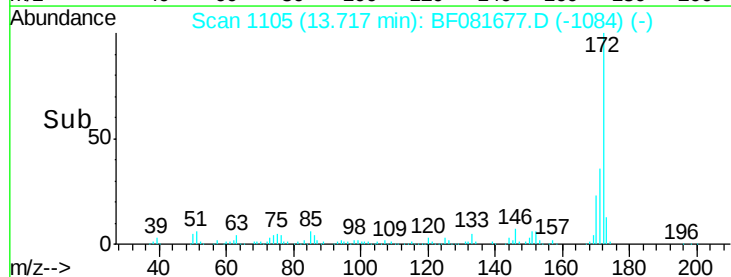
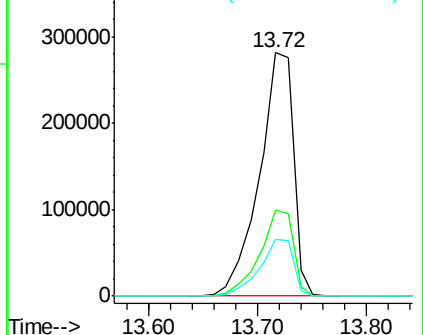


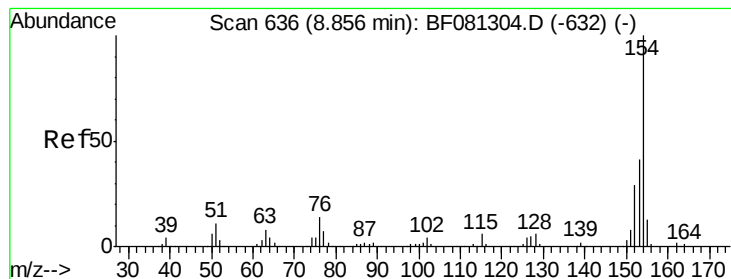
#44  
 2-Fluorobiphenyl  
 Concen: 93.01 ng  
 RT: 13.72 min Scan# 1105  
 Delta R.T. -0.06 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion:172 Resp: 614303  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 26.1 39.1  
 170 23.4 17.4 26.2



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





#45

1,1'-Biphenyl

Concen: 43.32 ng

RT: 13.92 min Scan# 1123

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

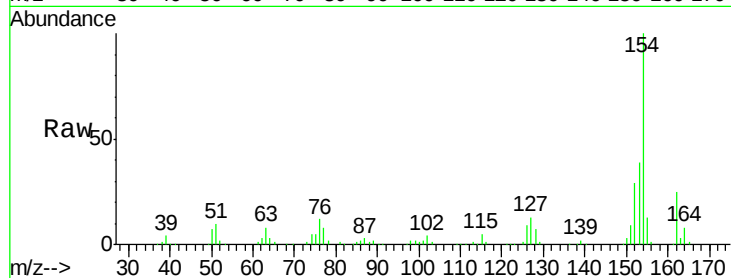
Tgt Ion:154 Resp: 337350

Ion Ratio Lower Upper

154 100

153 39.2 17.1 57.1

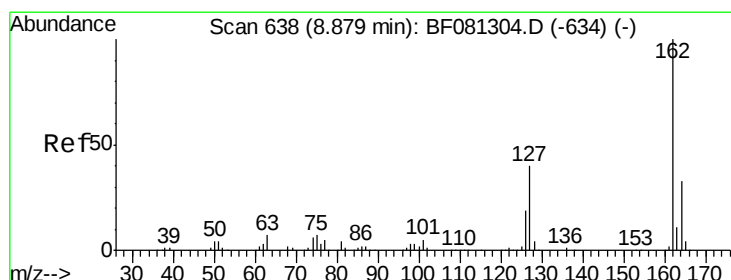
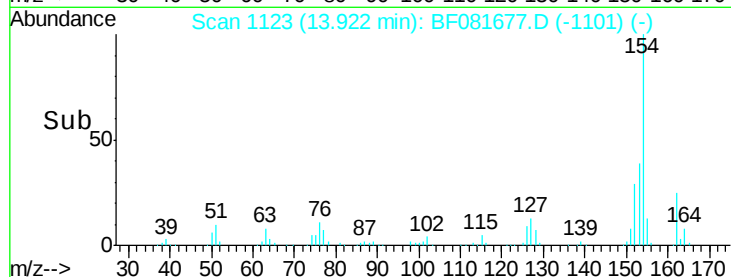
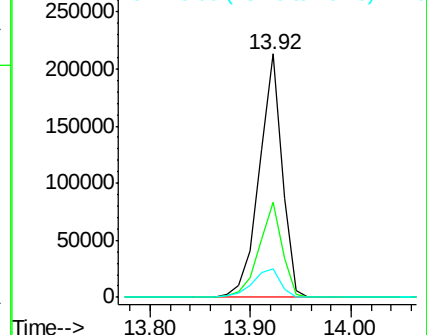
76 11.7 0.0 31.6



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: 43.72 ng

RT: 13.91 min Scan# 1122

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

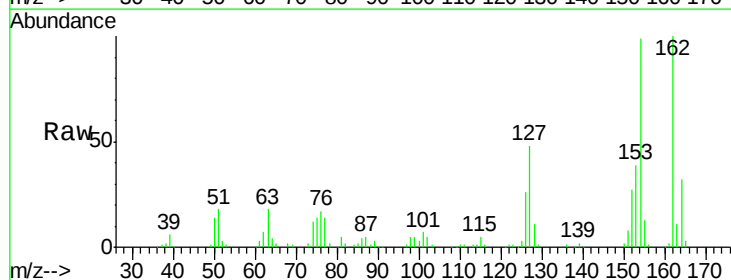
Tgt Ion:162 Resp: 245823

Ion Ratio Lower Upper

162 100

127 48.2 27.6 41.4#

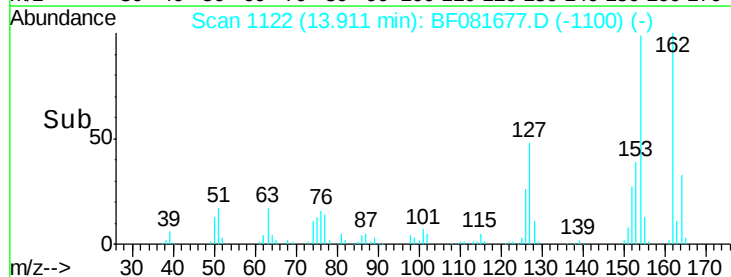
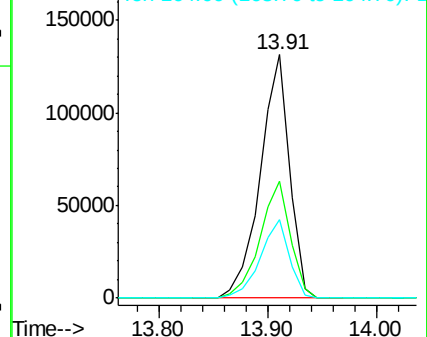
164 32.5 25.4 38.2



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

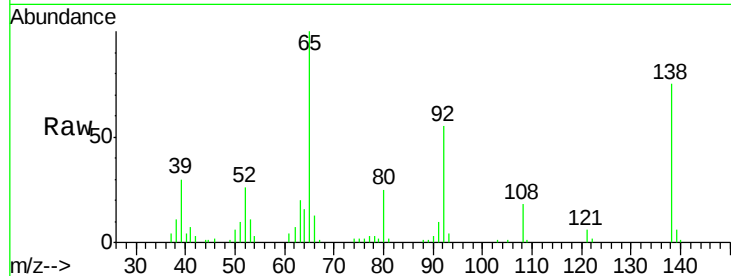




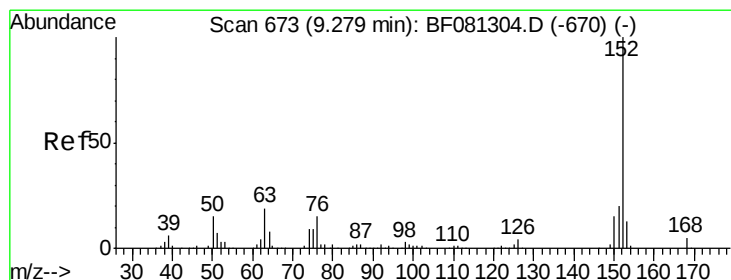
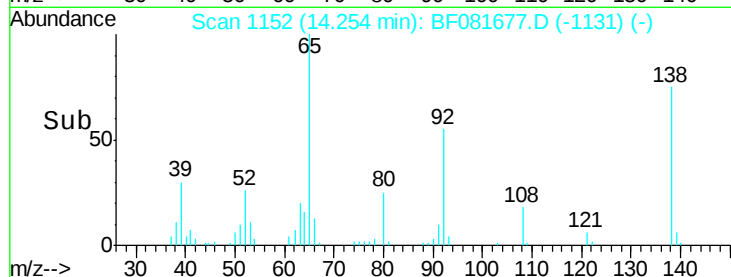
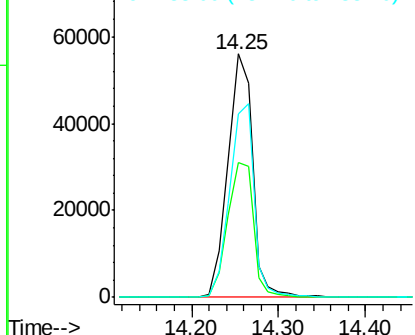
#47  
2-Nitroaniline  
Concen: 48.28 ng  
RT: 14.25 min Scan# 1152  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

Tgt Ion: 65 Resp: 110643  
Ion Ratio Lower Upper  
65 100  
92 55.4 55.4 83.0  
138 75.4 115.5 173.3#

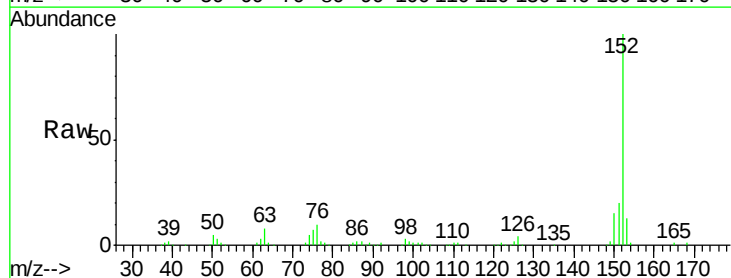


Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

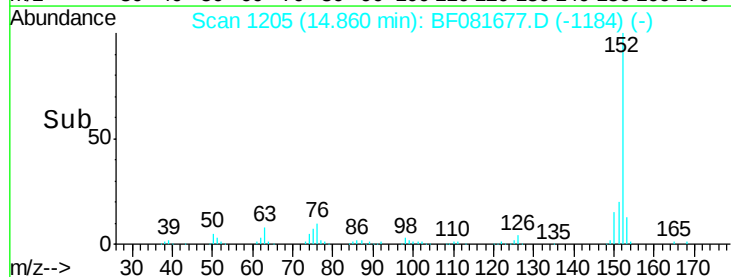
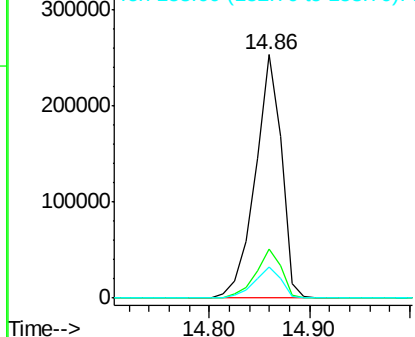


#48  
Acenaphthylene  
Concen: 45.90 ng  
RT: 14.86 min Scan# 1205  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion: 152 Resp: 457857  
Ion Ratio Lower Upper  
152 100  
151 20.1 14.6 22.0  
153 12.8 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

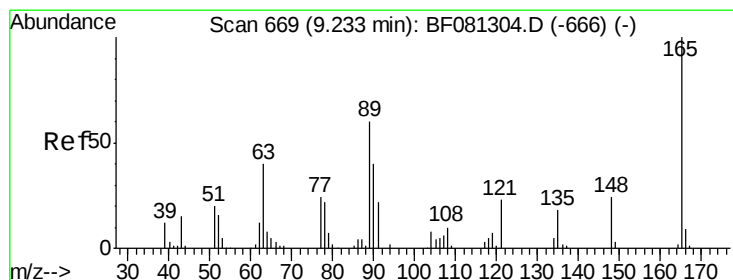
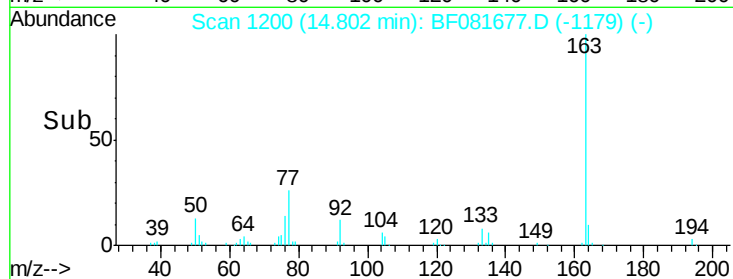
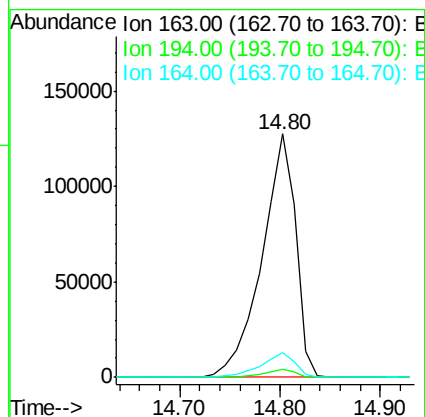
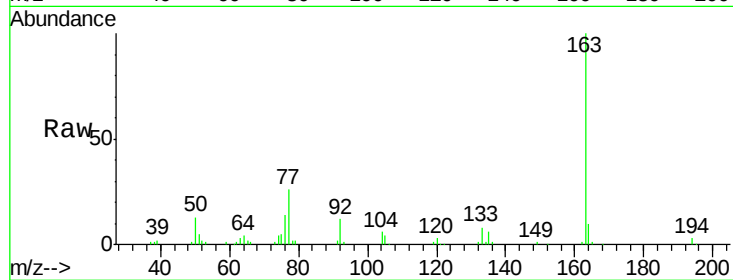




#49  
Dimethylphthalate  
Concen: 45.11 ng  
RT: 14.80 min Scan# 1200  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

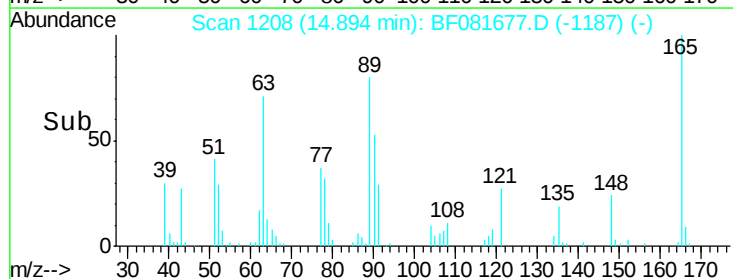
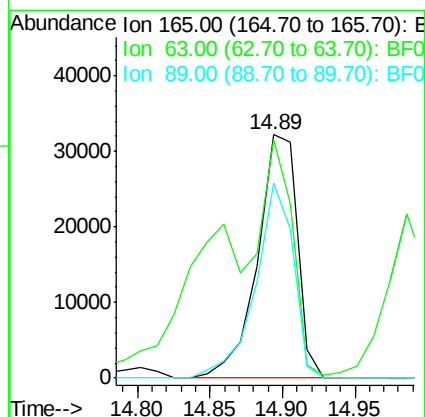
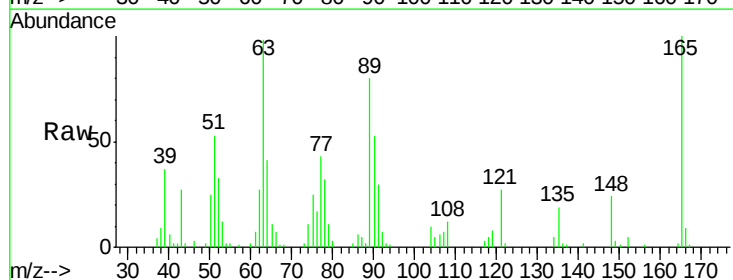
Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

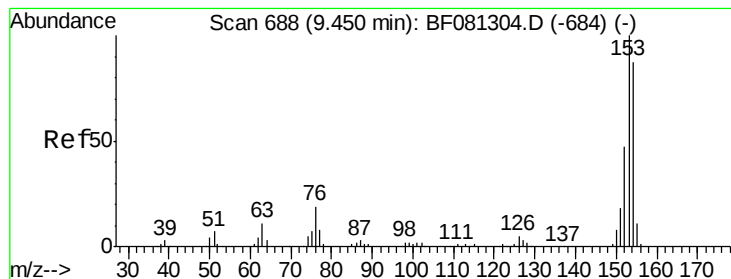
Tgt Ion:163 Resp: 296607  
Ion Ratio Lower Upper  
163 100  
194 3.1 4.4 6.6#  
164 10.1 8.3 12.5



#50  
2,6-Dinitrotoluene  
Concen: 41.11 ng  
RT: 14.89 min Scan# 1208  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion:165 Resp: 61357  
Ion Ratio Lower Upper  
165 100  
63 98.1 32.3 48.5#  
89 80.1 28.6 43.0#





#51

Acenaphthene

Concen: 44.35 ng

RT: 15.28 min Scan# 1242

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

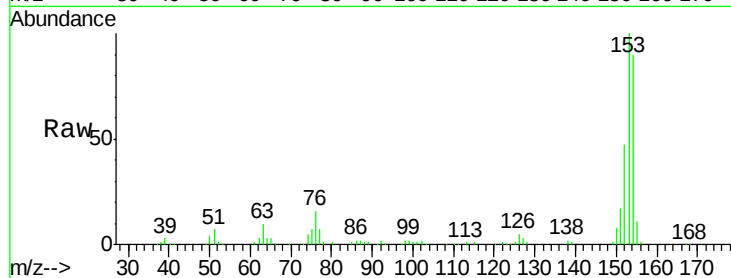
Tgt Ion:154 Resp: 251712

Ion Ratio Lower Upper

154 100

153 111.4 82.1 123.1

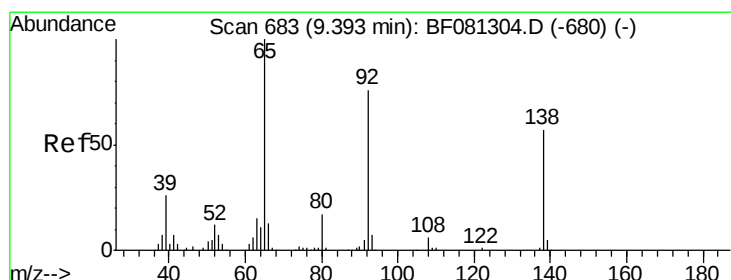
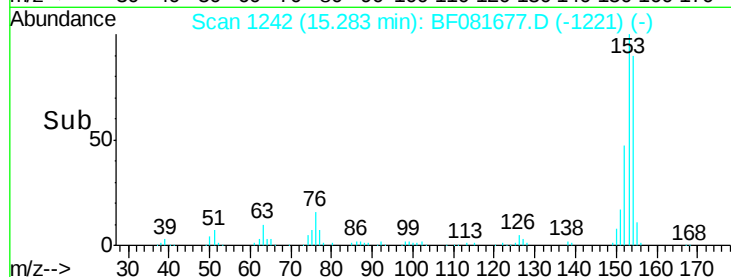
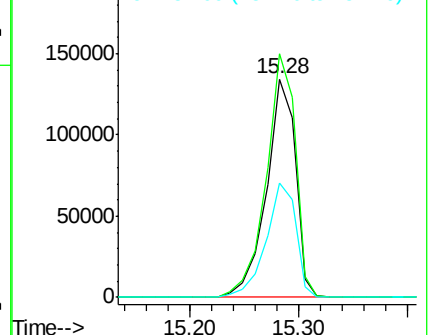
152 52.3 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 40.14 ng

RT: 15.26 min Scan# 1240

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

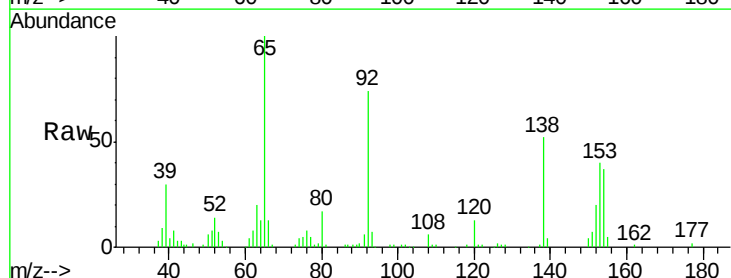
Tgt Ion:138 Resp: 68197

Ion Ratio Lower Upper

138 100

108 11.4 5.7 8.5#

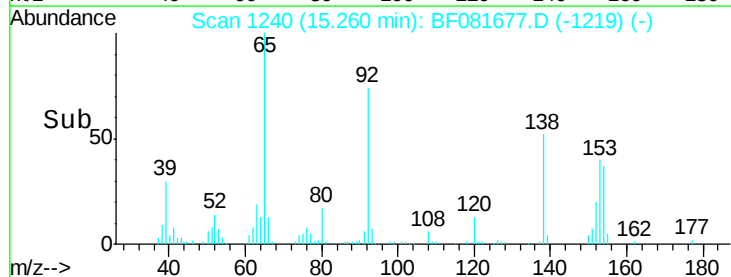
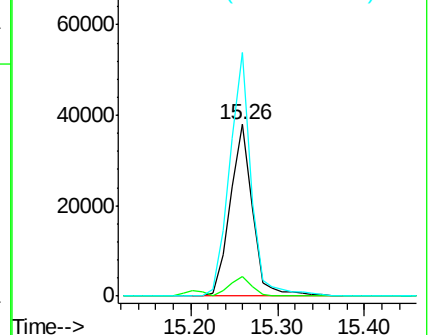
92 141.8 67.7 101.5#

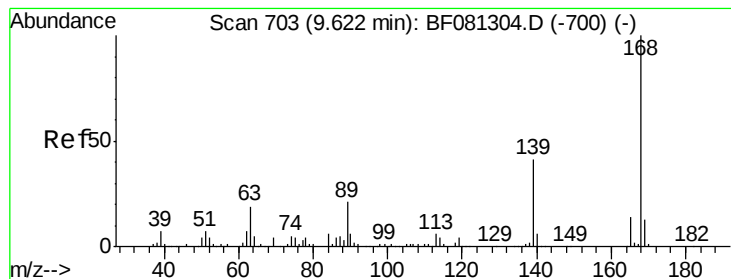


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 45.56 ng

RT: 15.71 min Scan# 1279

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

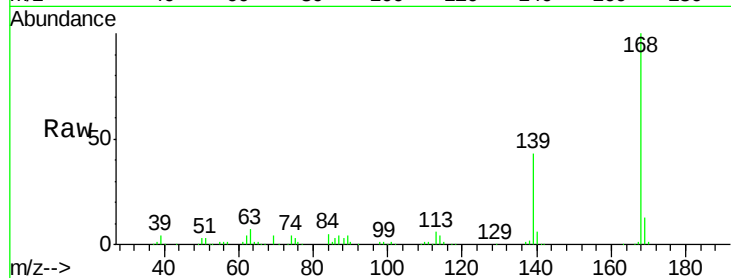
Tgt Ion:168 Resp: 377556

Ion Ratio Lower Upper

168 100

139 43.4 24.2 36.2#

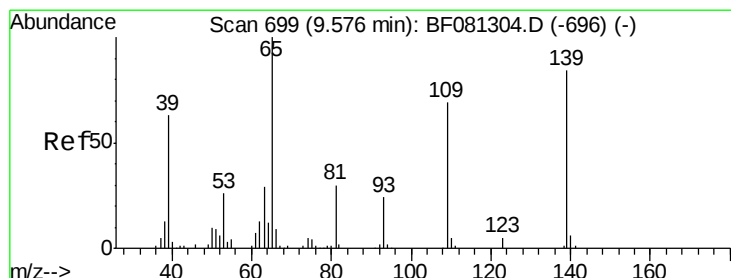
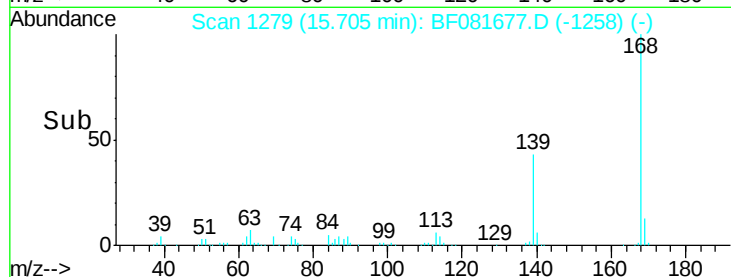
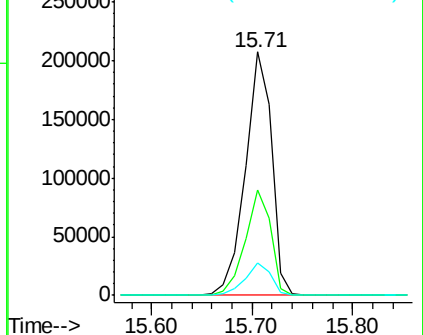
169 13.3 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 150.17 ng

RT: 15.71 min Scan# 1279

Delta R.T. -0.22 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

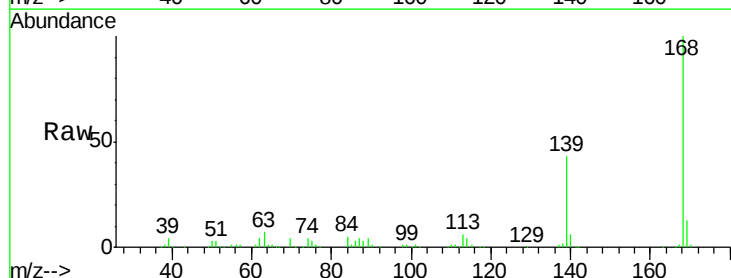
Tgt Ion:139 Resp: 160302

Ion Ratio Lower Upper

139 100

109 0.8 12.7 52.7#

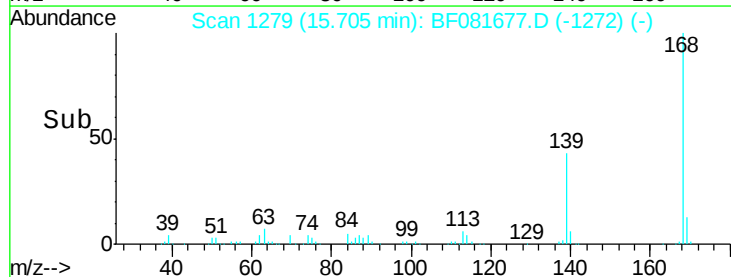
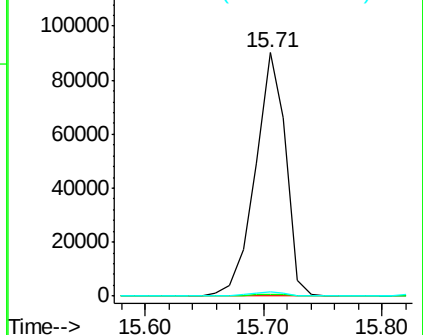
65 2.0 45.9 85.9#

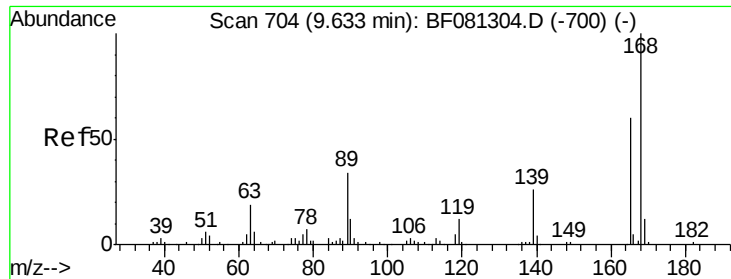


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

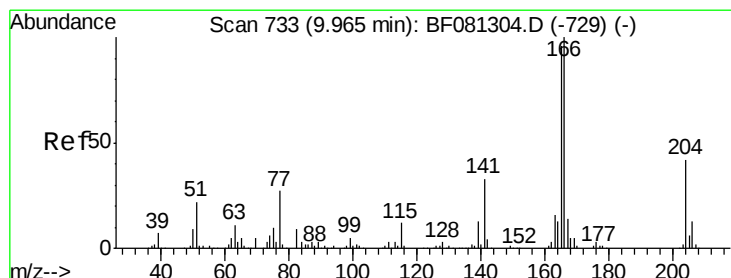
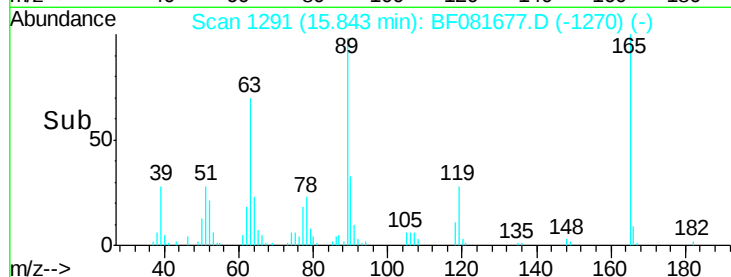
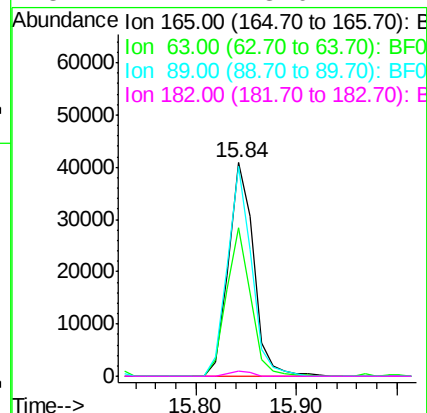
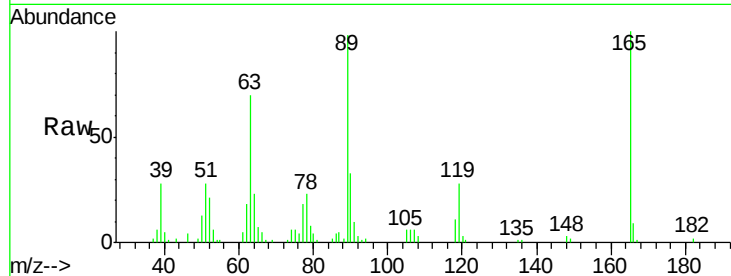




#56  
 2,4-Dinitrotoluene  
 Concen: 37.58 ng  
 RT: 15.84 min Scan# 1291  
 Delta R.T. -0.06 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

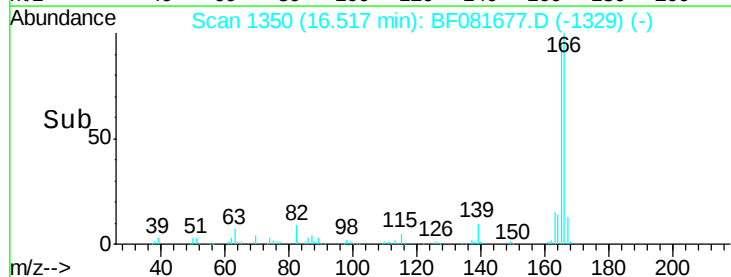
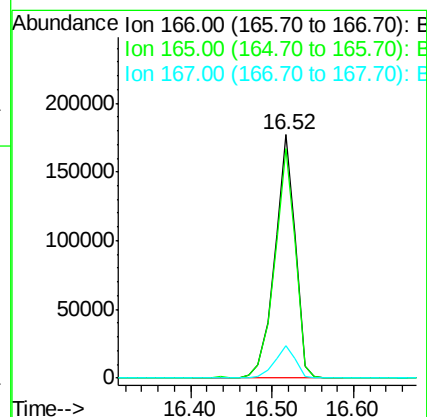
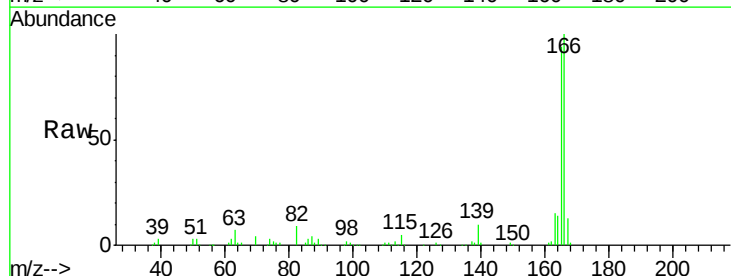
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

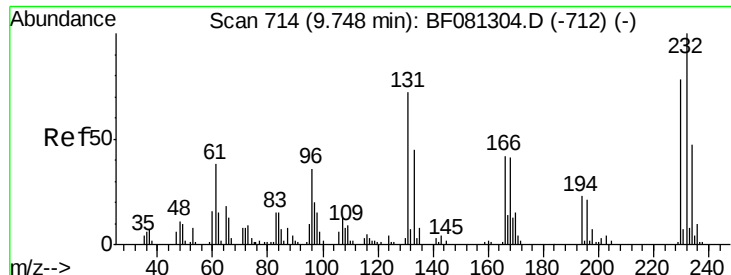
Tgt Ion:165 Resp: 71421  
 Ion Ratio Lower Upper  
 165 100  
 63 69.5 29.8 44.6#  
 89 98.4 44.5 66.7#  
 182 2.4 3.0 4.4#



#57  
 Fluorene  
 Concen: 49.20 ng  
 RT: 16.52 min Scan# 1350  
 Delta R.T. -0.06 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion:166 Resp: 309413  
 Ion Ratio Lower Upper  
 166 100  
 165 94.3 72.6 109.0  
 167 13.2 10.6 16.0

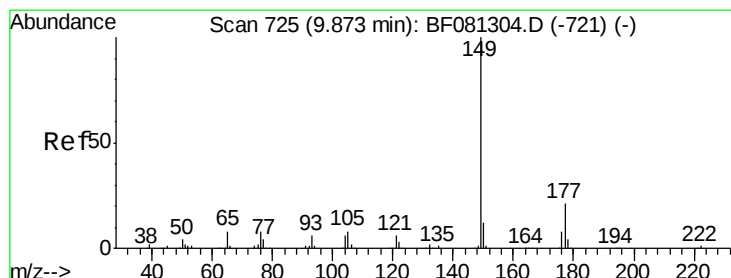
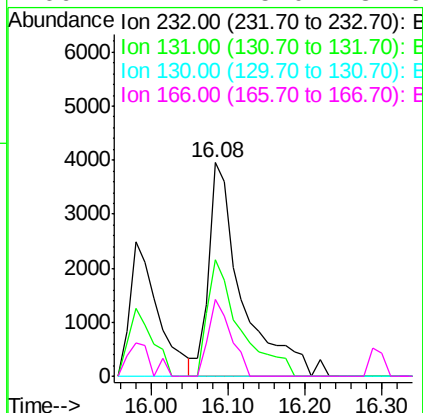
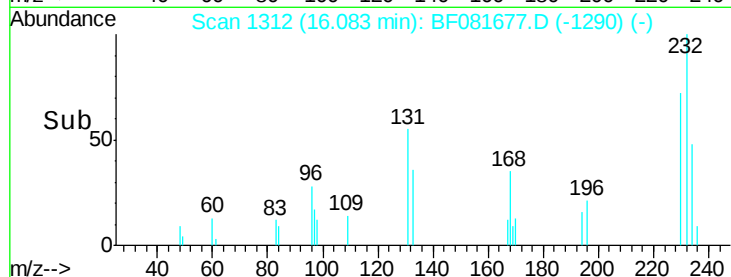
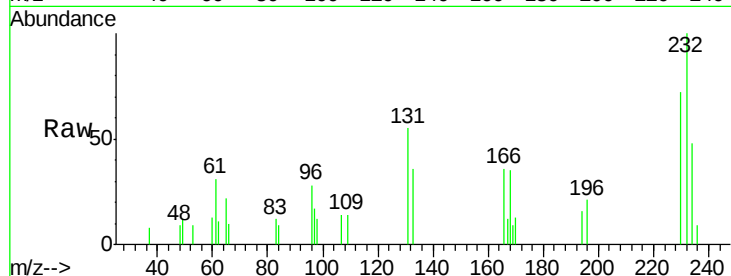




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 8.29 ng  
 RT: 16.08 min Scan# 1312  
 Delta R.T. -0.04 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

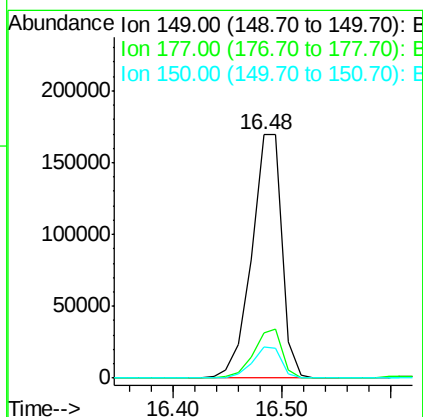
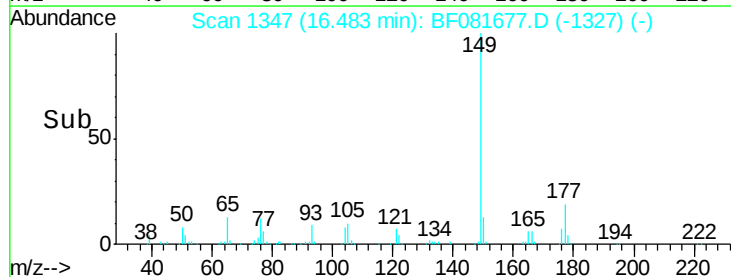
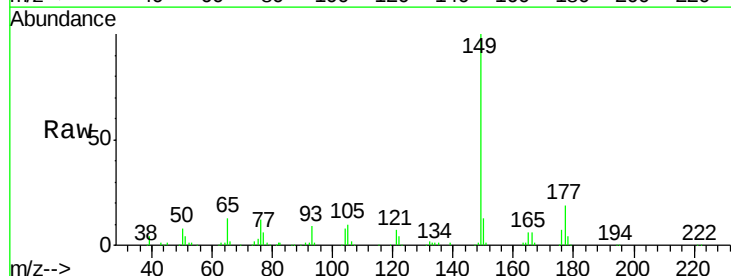
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

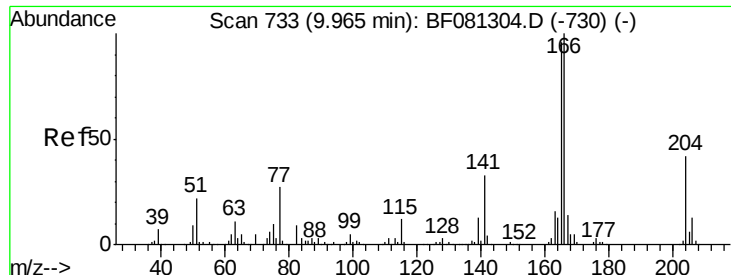
Tgt Ion: 232 Resp: 11925  
 Ion Ratio Lower Upper  
 232 100  
 131 52.7 38.5 57.7  
 130 0.0 1.8 2.6#  
 166 24.2 25.0 37.6#



#59  
 Diethylphthalate  
 Concen: 47.40 ng  
 RT: 16.48 min Scan# 1347  
 Delta R.T. -0.07 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion: 149 Resp: 327899  
 Ion Ratio Lower Upper  
 149 100  
 177 18.8 17.5 26.3  
 150 12.5 9.4 14.2





#60

4-Chlorophenyl-phenylether

Concen: 48.59 ng

RT: 16.61 min Scan# 1358

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

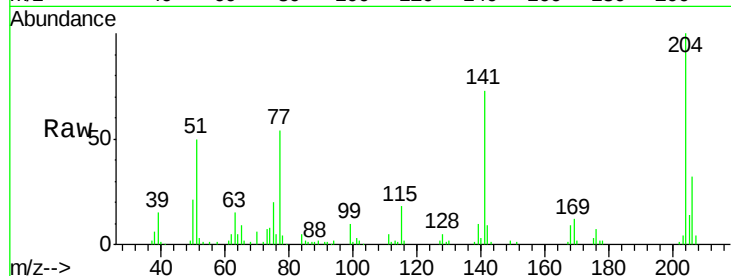
Tgt Ion:204 Resp: 142408

Ion Ratio Lower Upper

204 100

206 32.5 24.8 37.2

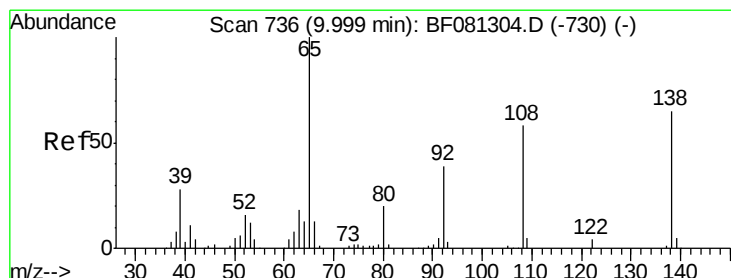
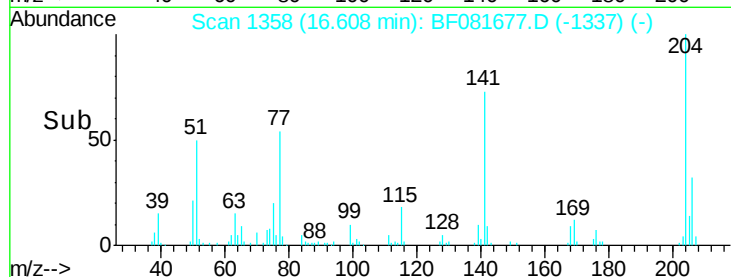
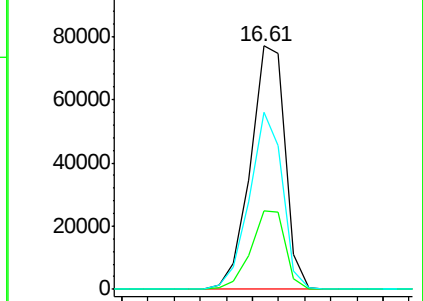
141 72.6 42.2 63.4#



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



#61

4-Nitroaniline

Concen: 40.43 ng

RT: 16.72 min Scan# 1368

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

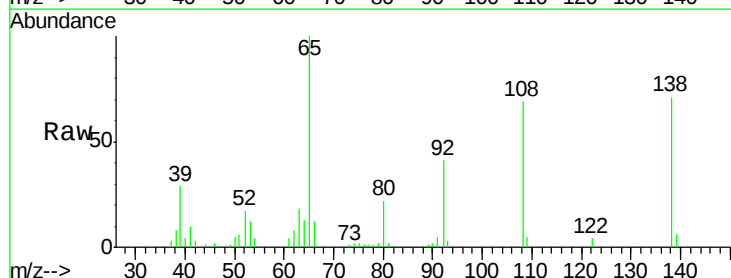
Tgt Ion:138 Resp: 69408

Ion Ratio Lower Upper

138 100

92 58.0 12.6 52.6#

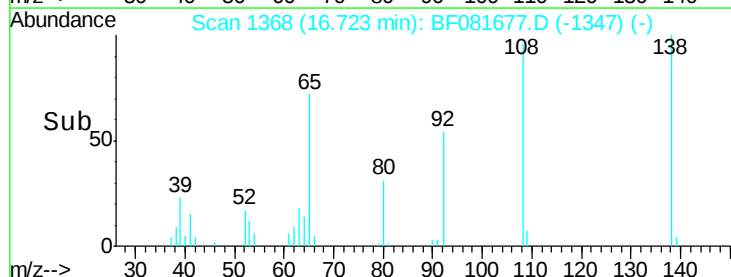
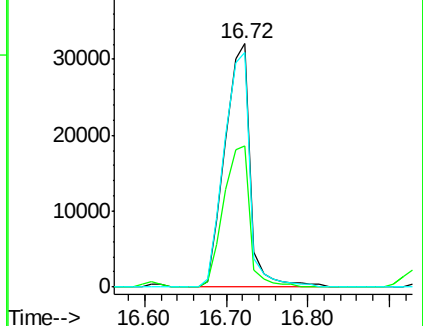
108 96.5 12.4 52.4#

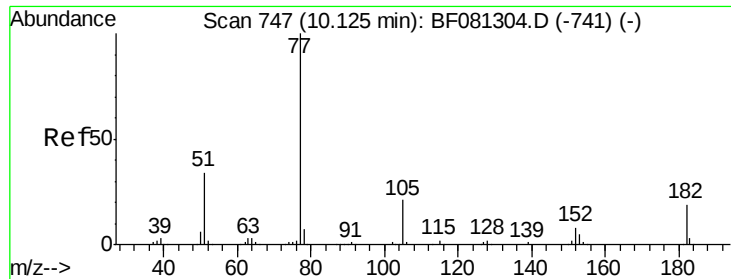


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 48.66 ng

RT: 16.97 min Scan# 1390

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

Tgt Ion: 77 Resp: 374224

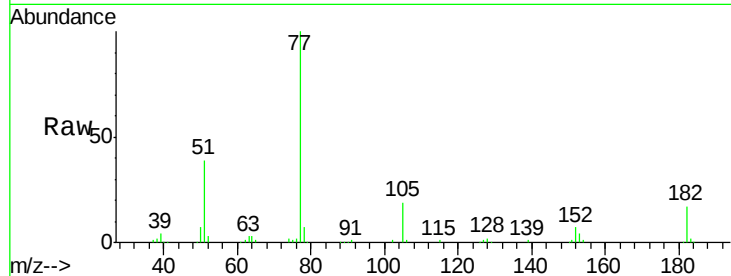
Ion Ratio Lower Upper

77 100

182 16.9 15.1 55.1

105 19.3 3.4 43.4

51 38.8 12.0 52.0

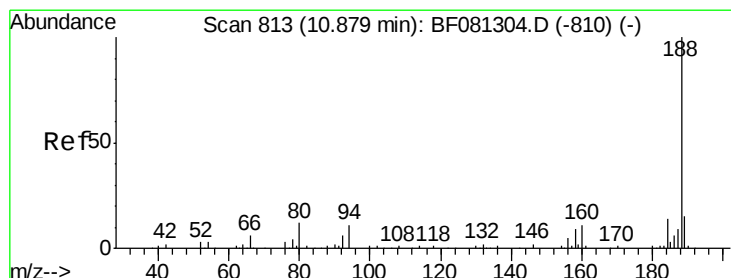
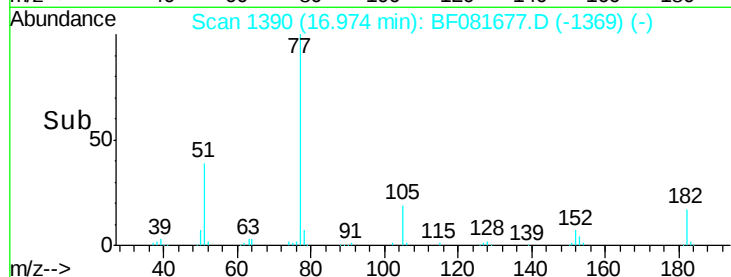
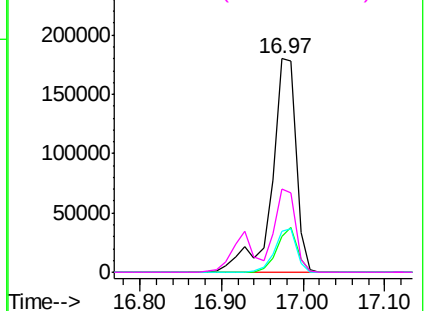


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 18.71 min Scan# 1542

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

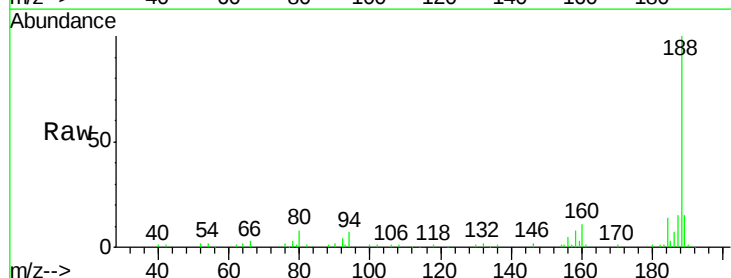
Tgt Ion: 188 Resp: 172869

Ion Ratio Lower Upper

188 100

94 7.3 11.1 16.7#

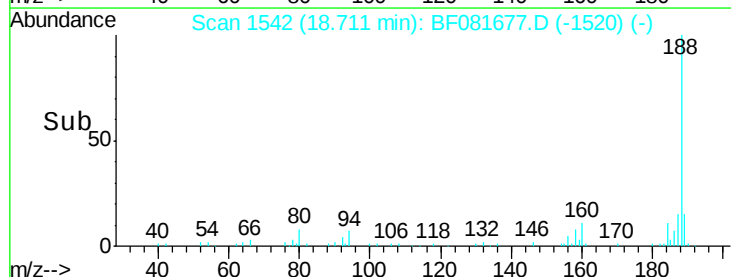
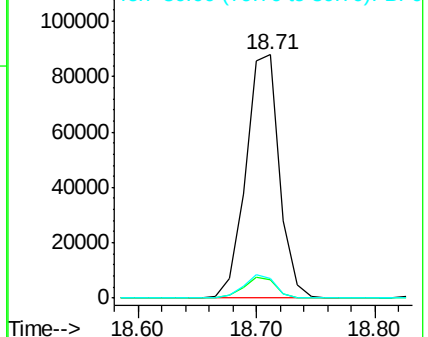
80 7.9 11.0 16.4#

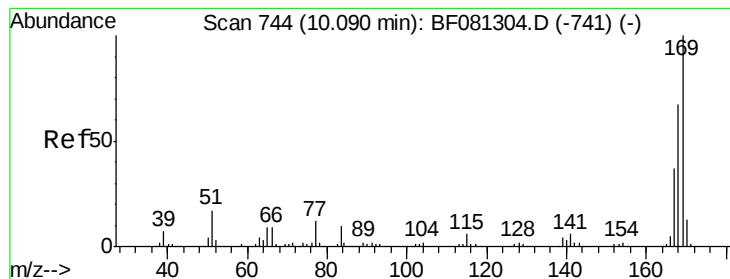


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 40.38 ng

RT: 16.93 min Scan# 1386

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

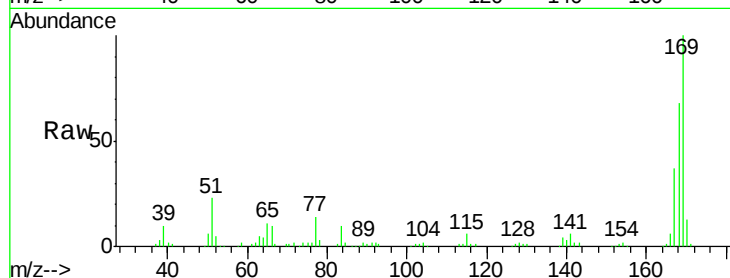
Tgt Ion:169 Resp: 254022

Ion Ratio Lower Upper

169 100

168 67.5 48.9 73.3

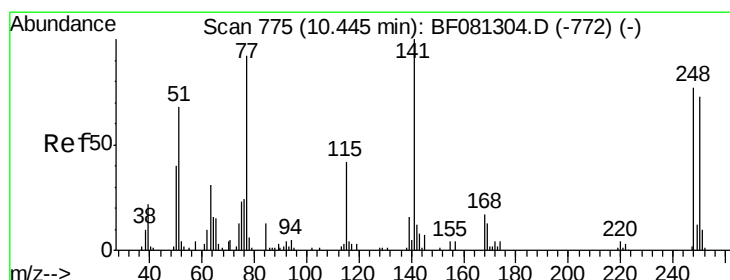
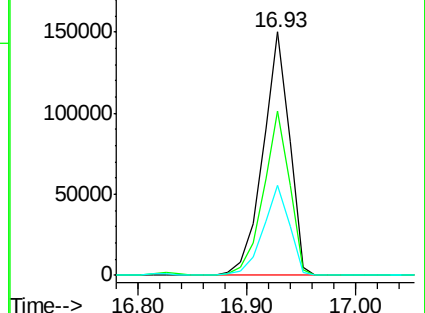
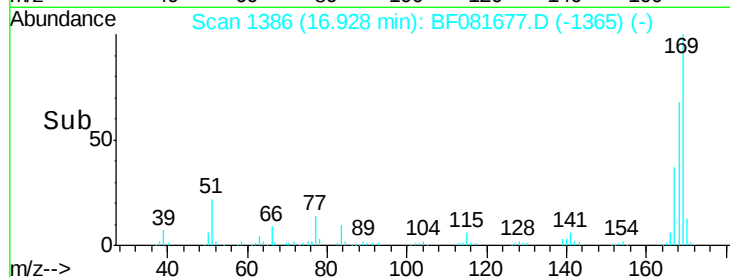
167 37.2 26.2 39.4



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: 45.28 ng

RT: 17.75 min Scan# 1458

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

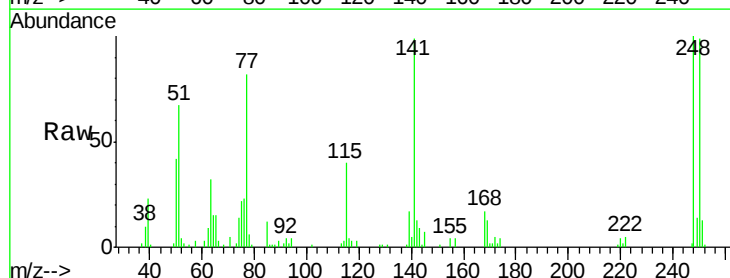
Tgt Ion:248 Resp: 79149

Ion Ratio Lower Upper

248 100

250 98.8 78.5 117.7

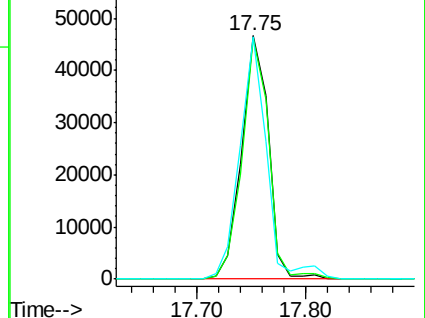
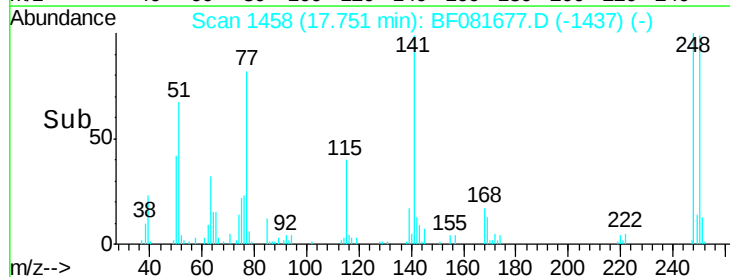
141 99.3 59.0 88.6#

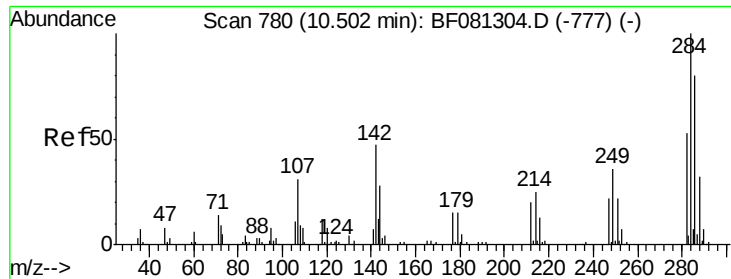


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 45.16 ng

RT: 17.81 min Scan# 1463

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

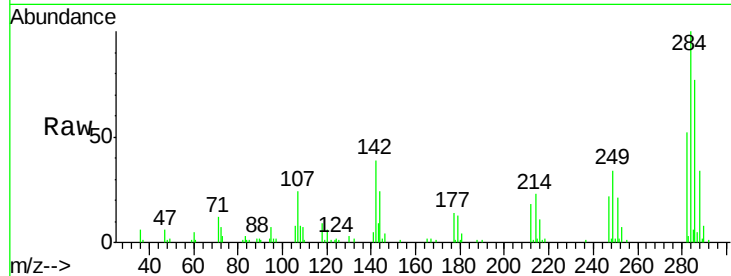
Tgt Ion:284 Resp: 82534

Ion Ratio Lower Upper

284 100

142 39.2 29.5 44.3

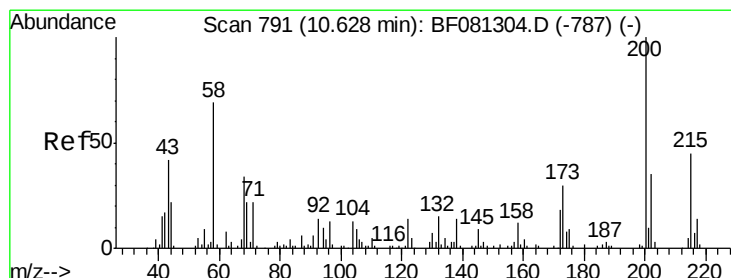
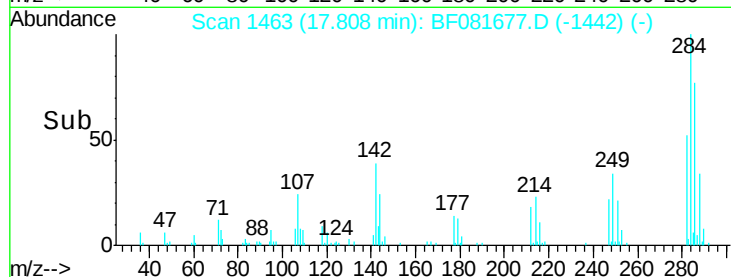
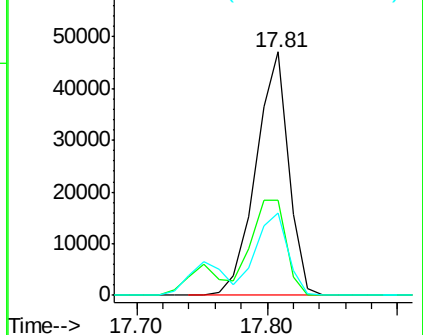
249 34.0 19.5 29.3#



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: 44.36 ng

RT: 18.35 min Scan# 1510

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

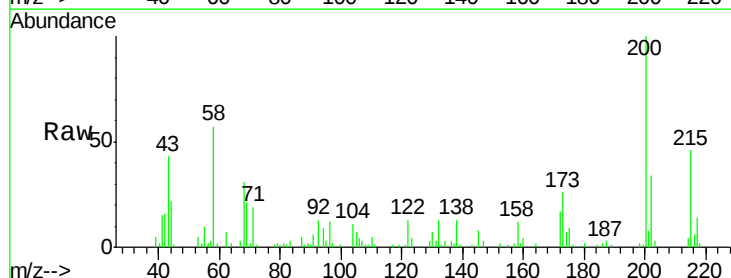
Tgt Ion:200 Resp: 80755

Ion Ratio Lower Upper

200 100

173 26.5 13.2 53.2

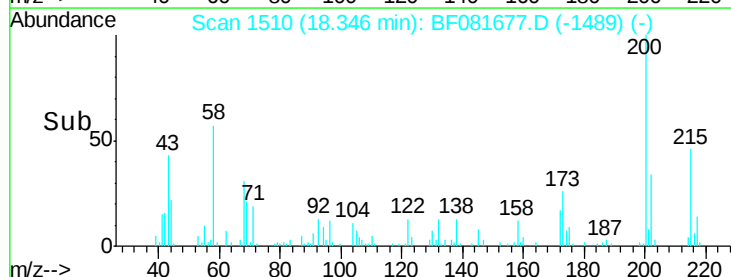
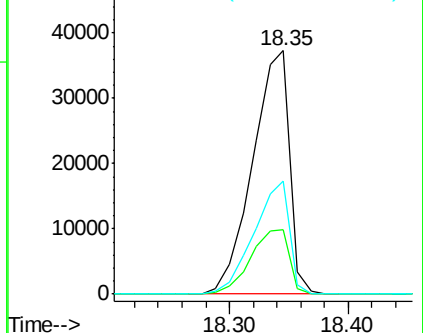
215 46.3 41.8 81.8

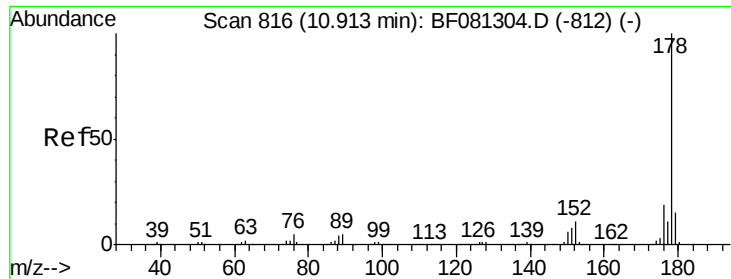


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

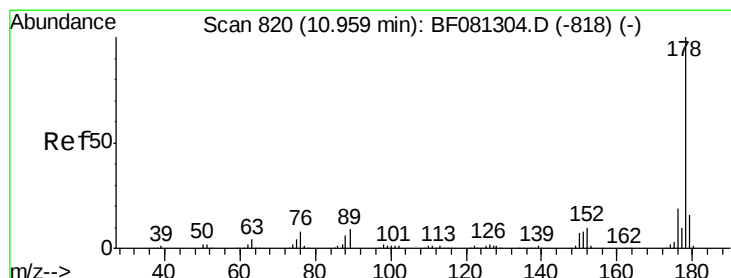
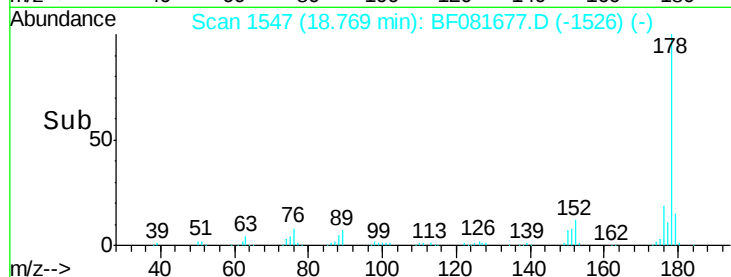
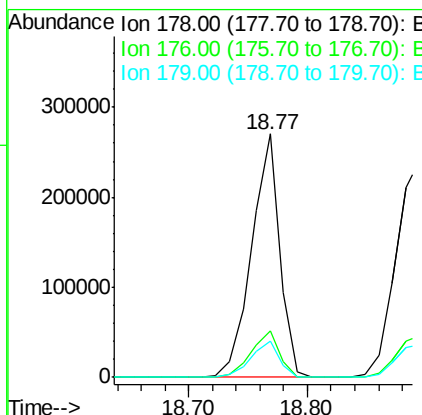
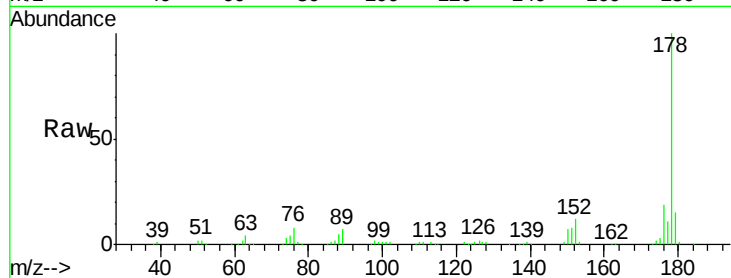




#70  
Phenanthrene  
Concen: 46.65 ng  
RT: 18.77 min Scan# 1547  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

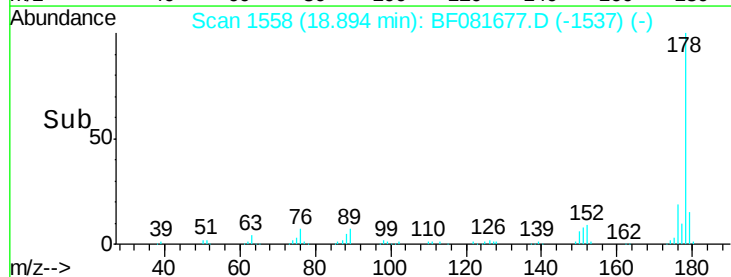
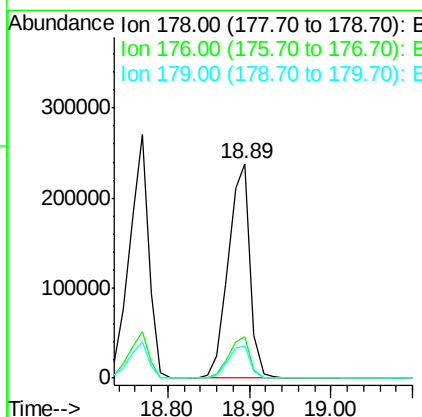
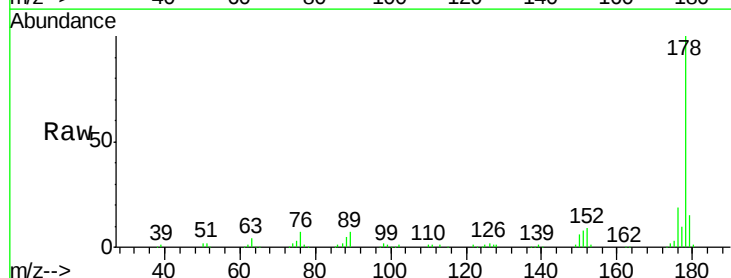
Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

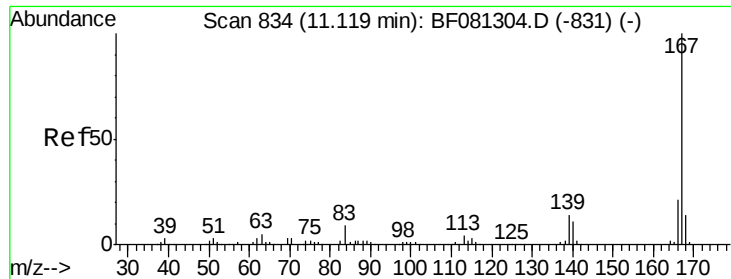
Tgt Ion:178 Resp: 448331  
Ion Ratio Lower Upper  
178 100  
176 19.3 13.8 20.8  
179 14.7 12.2 18.2



#71  
Anthracene  
Concen: 44.22 ng  
RT: 18.89 min Scan# 1558  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion:178 Resp: 436643  
Ion Ratio Lower Upper  
178 100  
176 19.2 14.1 21.1  
179 15.0 12.2 18.2

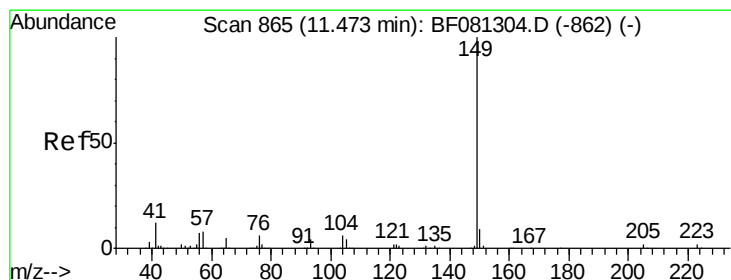
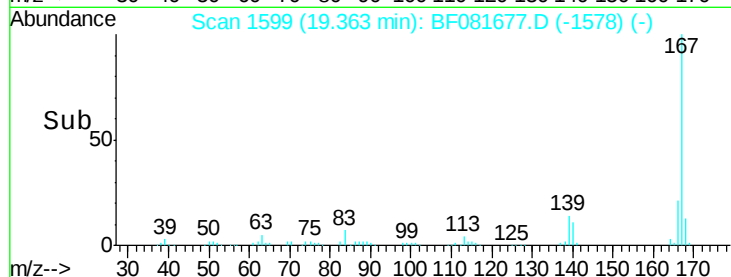
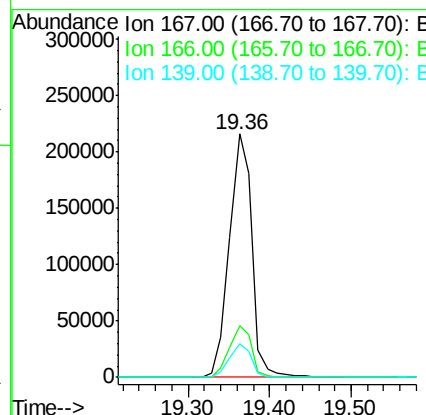
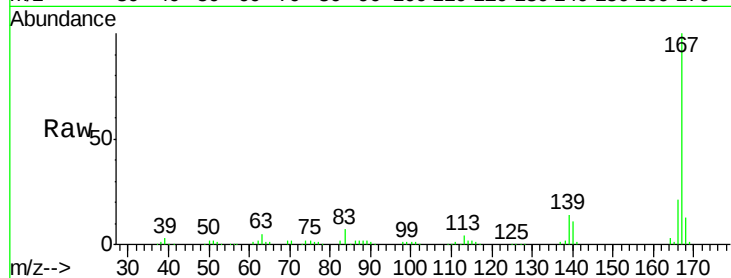




#72  
 Carbazole  
 Concen: 44.52 ng  
 RT: 19.36 min Scan# 1599  
 Delta R.T. -0.06 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

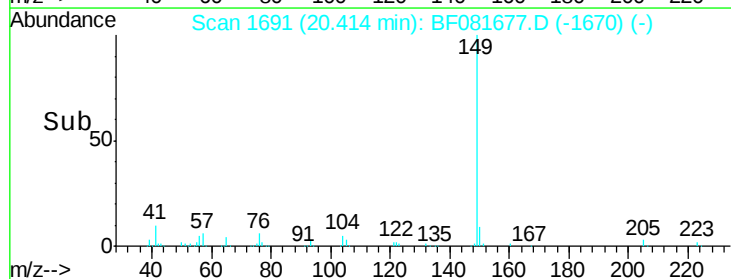
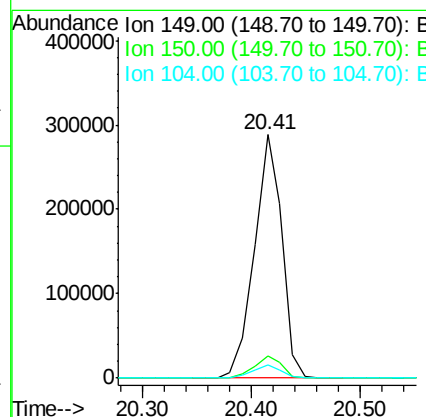
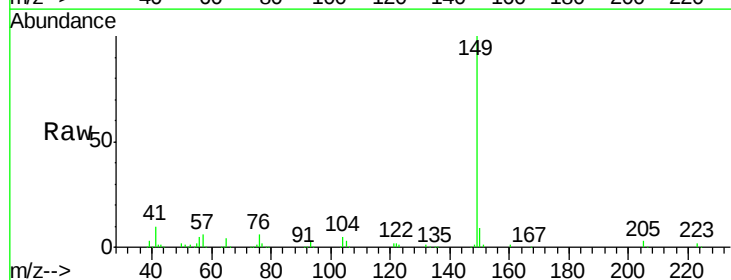
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

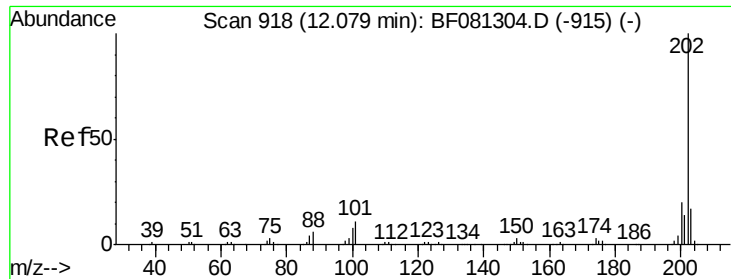
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.0  | 15.7  | 23.5  |
| 139     | 14.1  | 9.5   | 14.3  |



#73  
 Di-n-butylphthalate  
 Concen: 46.20 ng  
 RT: 20.41 min Scan# 1691  
 Delta R.T. -0.06 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.3   | 7.4   | 11.2  |
| 104     | 5.4   | 2.4   | 3.6   |

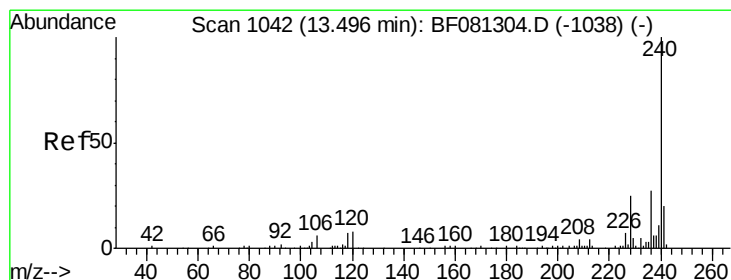
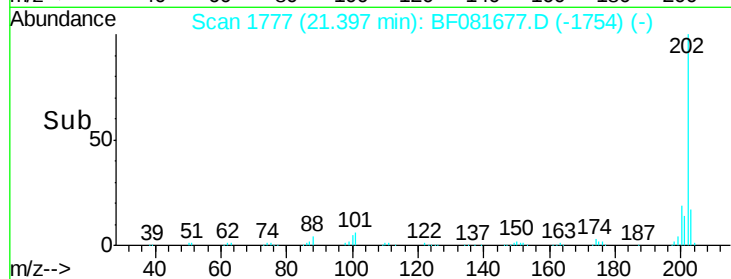
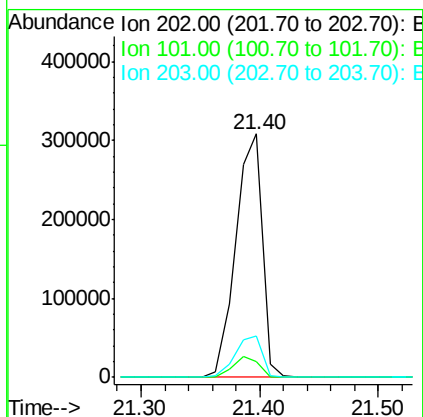
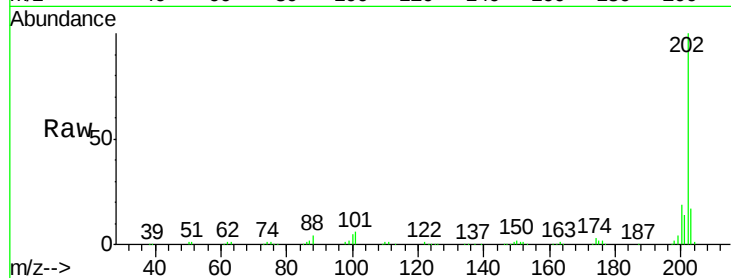




#74  
 Fluoranthene  
 Concen: 46.03 ng  
 RT: 21.40 min Scan# 1777  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

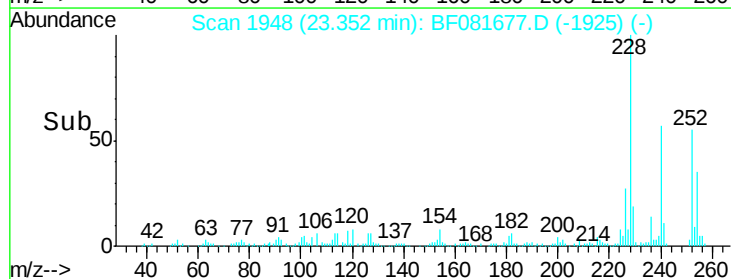
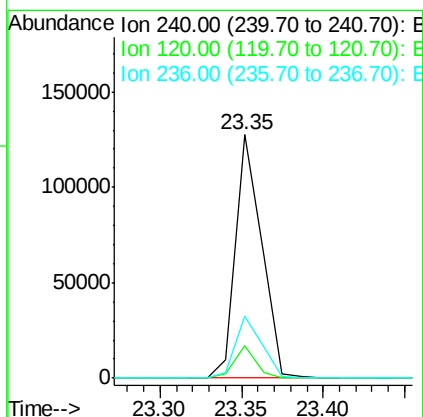
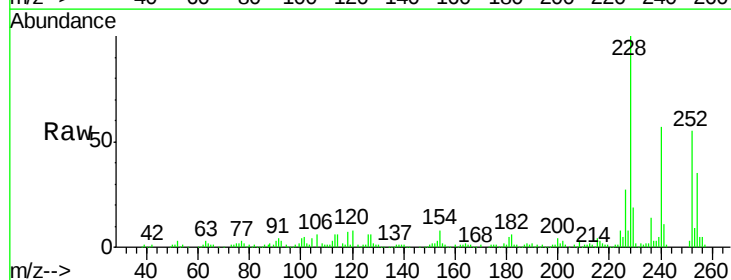
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

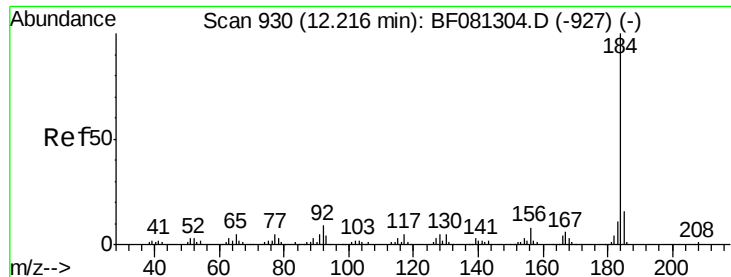
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 478936 |       |       |
| 101     | 6.3   |        | 0.0   | 38.3  |
| 203     | 17.0  |        | 0.0   | 37.3  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 23.35 min Scan# 1948  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 139701 |       |       |
| 120     | 13.5  |        | 16.2  | 24.2# |
| 236     | 25.2  |        | 18.4  | 27.6  |





#76

Benzidine

Concen: 49.34 ng

RT: 21.72 min Scan# 1805

Delta R.T. -0.02 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

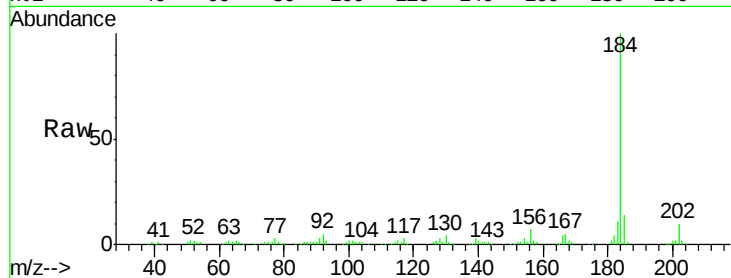
Tgt Ion:184 Resp: 295914

Ion Ratio Lower Upper

184 100

185 13.5 11.8 17.6

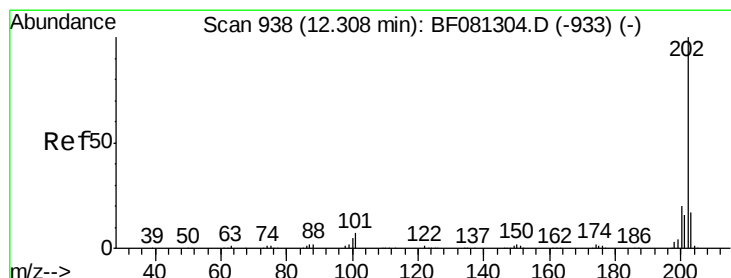
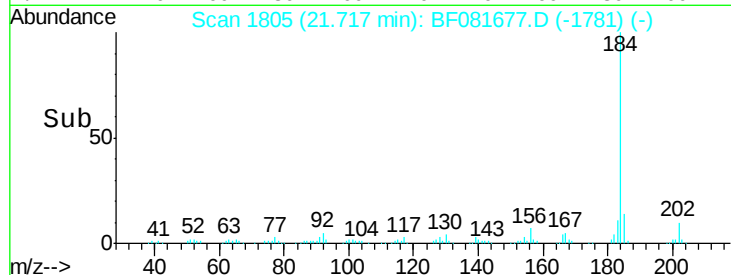
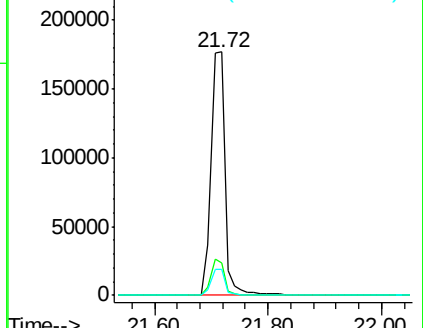
183 10.8 7.6 11.4



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: 44.88 ng

RT: 21.74 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

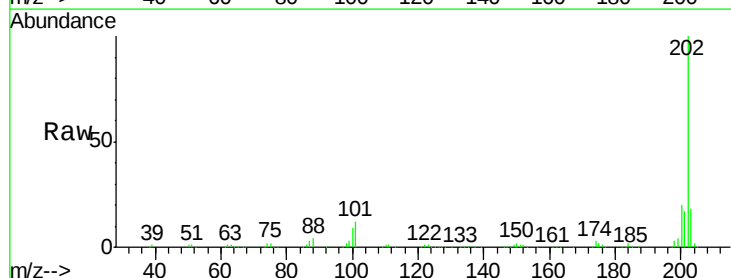
Tgt Ion:202 Resp: 464405

Ion Ratio Lower Upper

202 100

200 20.3 15.0 22.4

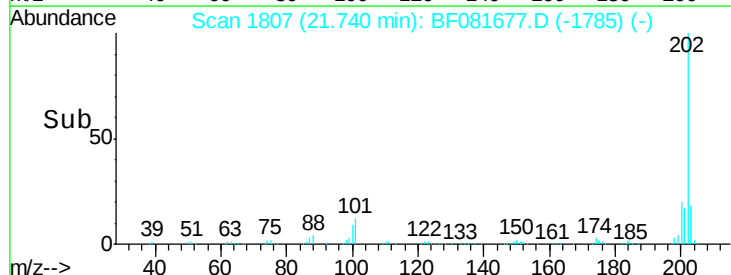
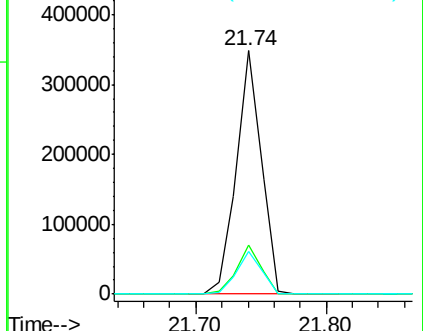
203 17.7 14.1 21.1

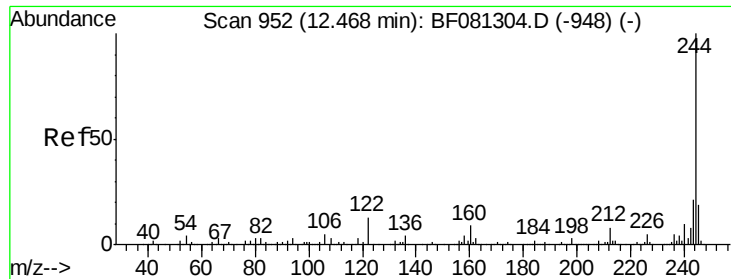


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 102.34 ng

RT: 22.08 min Scan# 1837

Delta R.T. -0.03 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

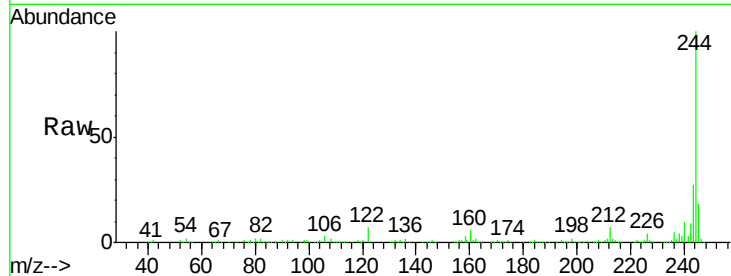
Tgt Ion:244 Resp: 614164

Ion Ratio Lower Upper

244 100

212 6.9 4.3 6.5#

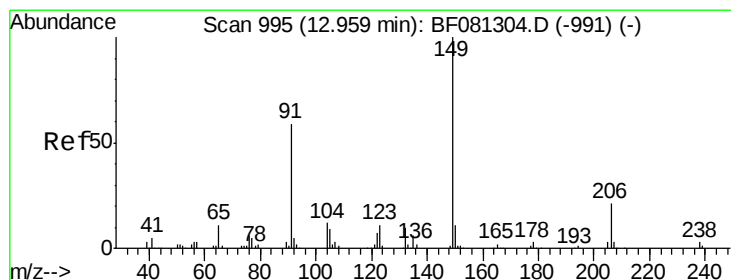
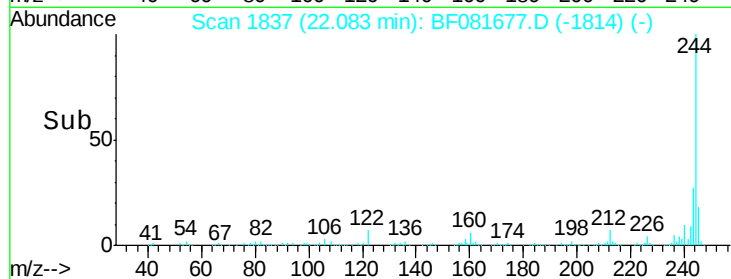
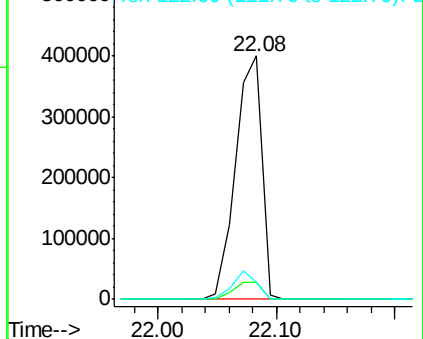
122 7.2 17.4 26.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 43.48 ng

RT: 22.77 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

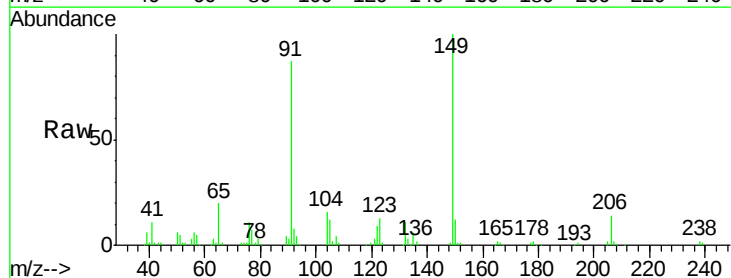
Tgt Ion:149 Resp: 195676

Ion Ratio Lower Upper

149 100

91 86.6 48.6 72.8#

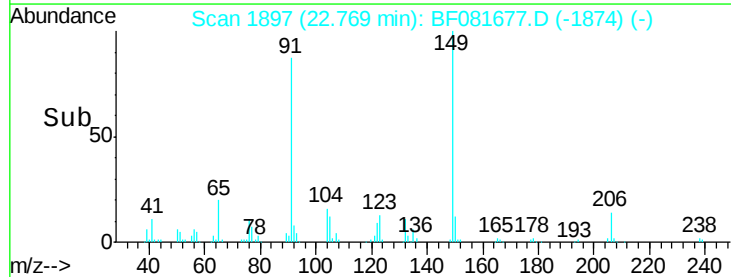
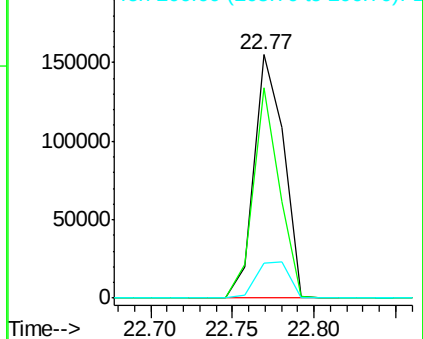
206 14.3 14.9 22.3#

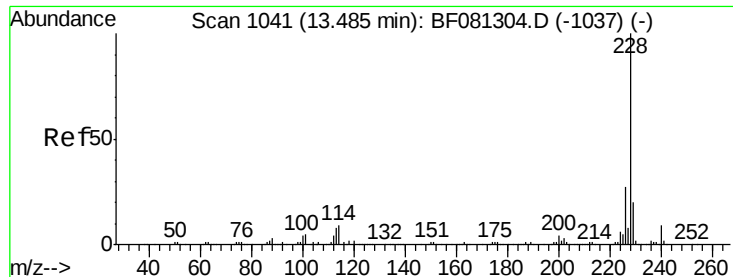


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

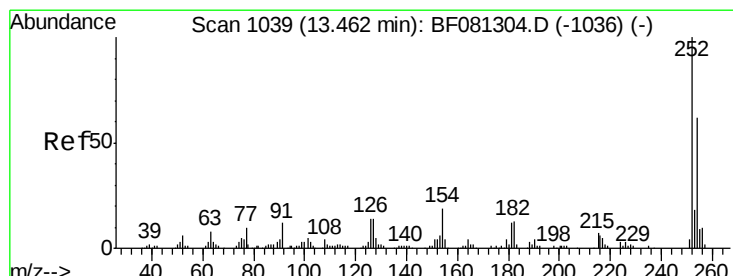
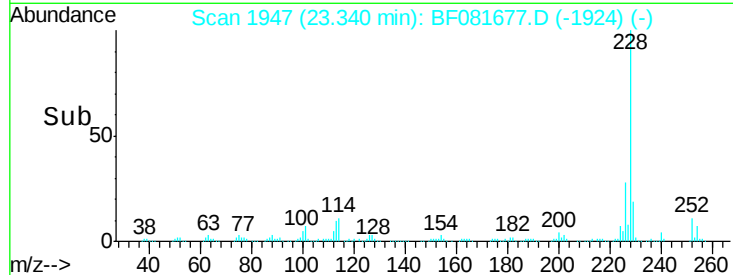
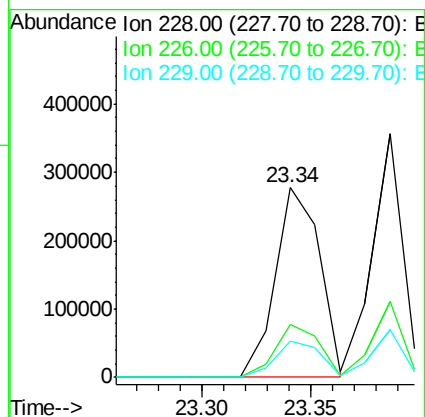
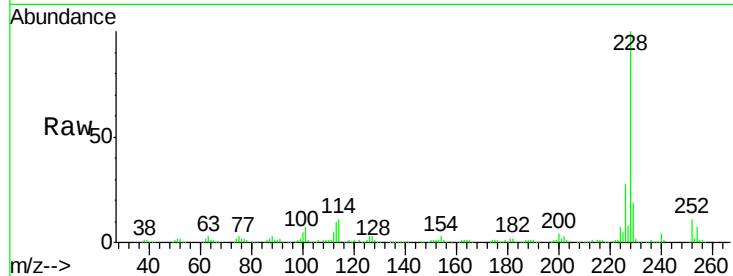




#80  
Benzo(a)anthracene  
Concen: 44.39 ng  
RT: 23.34 min Scan# 1947  
Delta R.T. -0.03 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

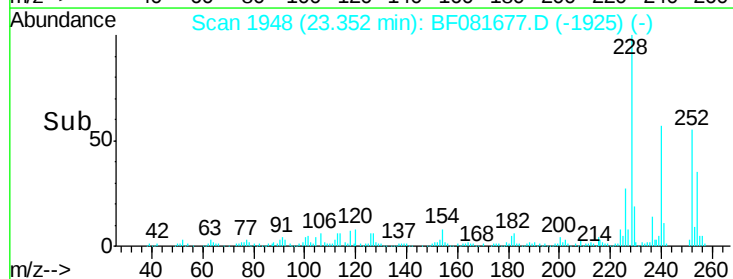
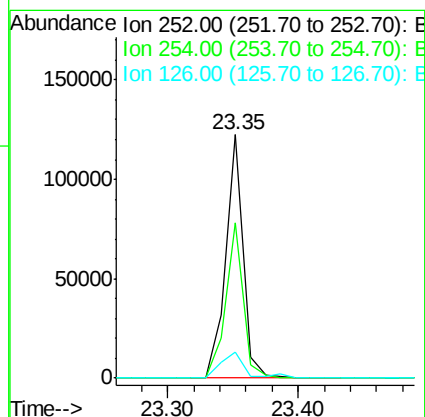
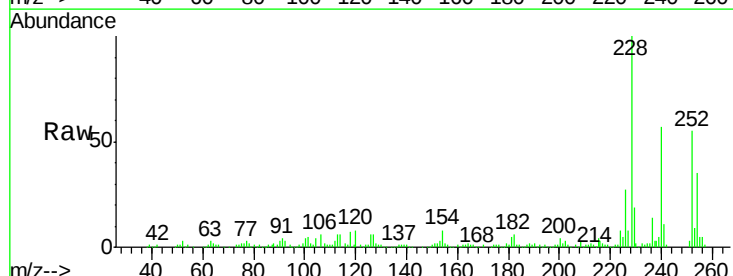
Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

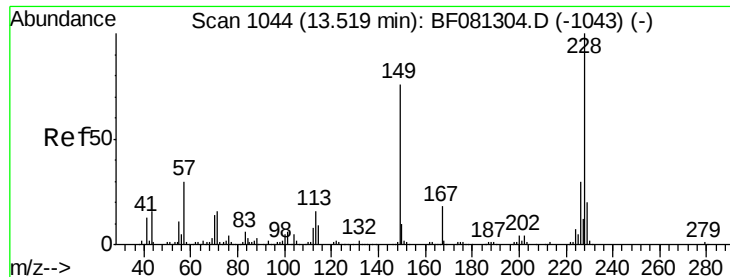
Tgt Ion: 228 Resp: 394945  
Ion Ratio Lower Upper  
228 100  
226 27.6 20.0 30.0  
229 19.4 15.4 23.2



#81  
3,3'-Dichlorobenzidine  
Concen: 38.50 ng  
RT: 23.35 min Scan# 1948  
Delta R.T. -0.03 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion: 252 Resp: 115544  
Ion Ratio Lower Upper  
252 100  
254 63.9 51.4 77.2  
126 10.7 16.4 24.6#

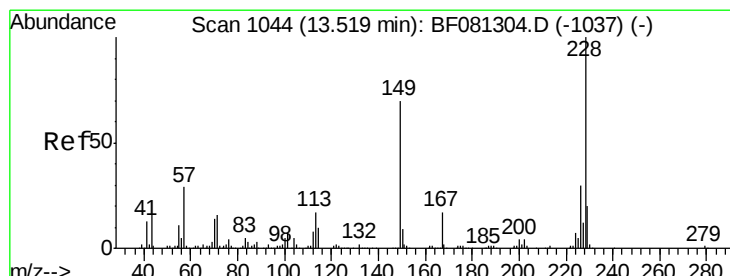
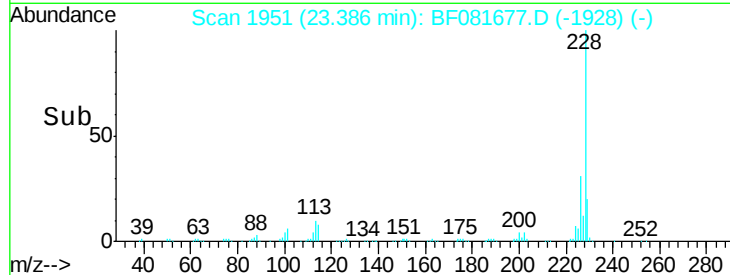
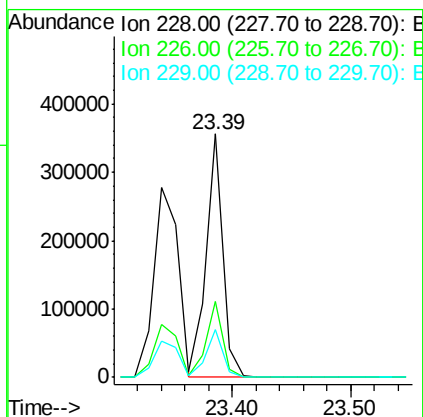
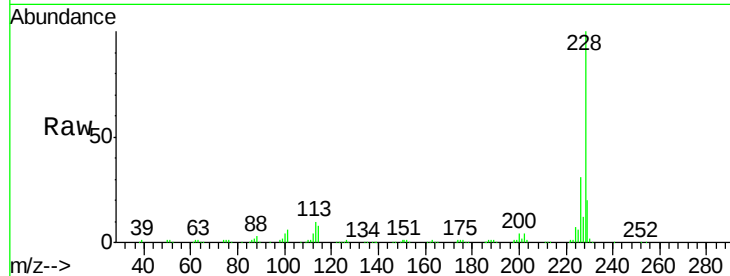




#82  
**Chrysene**  
 Concen: 43.99 ng  
 RT: 23.39 min Scan# 1951  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

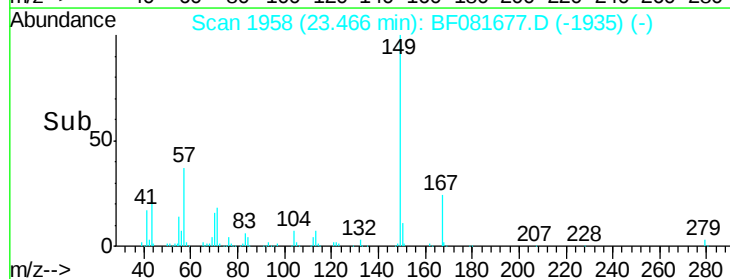
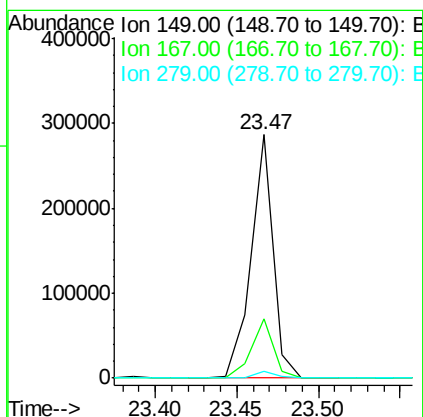
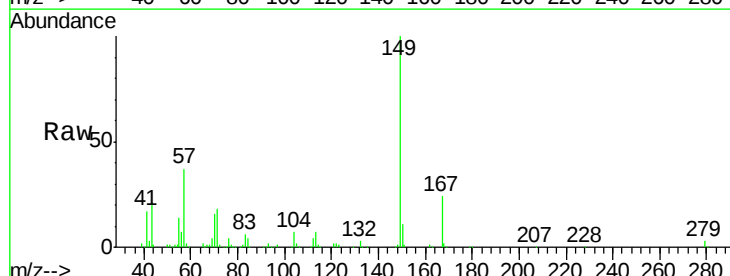
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-91415-WATERMS

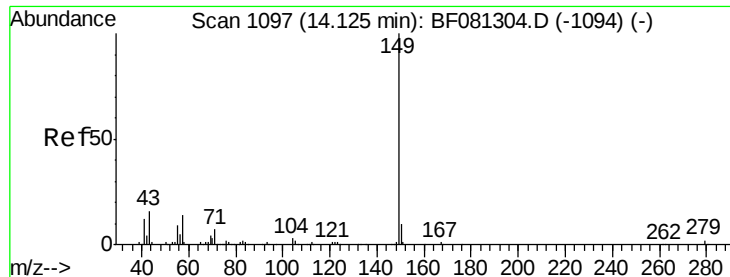
Tgt Ion: 228 Resp: 350848  
 Ion Ratio Lower Upper  
 228 100  
 226 31.0 21.0 31.4  
 229 19.6 15.6 23.4



#83  
**Bis(2-ethylhexyl)phthalate**  
 Concen: 45.09 ng  
 RT: 23.47 min Scan# 1958  
 Delta R.T. -0.03 min  
 Lab File: BF081677.D  
 Acq: 17 Sep 2015 13:53

Tgt Ion: 149 Resp: 267793  
 Ion Ratio Lower Upper  
 149 100  
 167 24.4 24.2 36.2  
 279 2.6 3.8 5.6#





#84

Di-n-octyl phthalate

Concen: 41.31 ng

RT: 24.12 min Scan# 2015

Delta R.T. -0.03 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

Instrument :

BNA\_F

ClientSampleId :

WC-91415-WATERMS

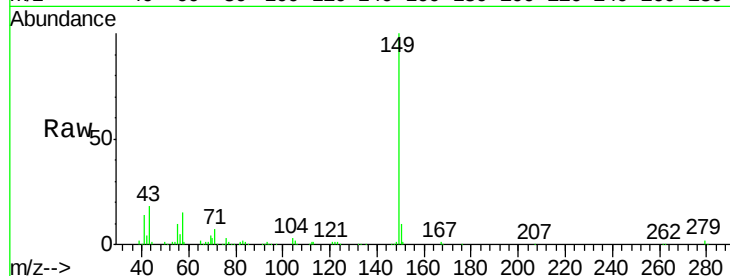
Tgt Ion:149 Resp: 403950

Ion Ratio Lower Upper

149 100

167 1.4 1.0 1.6

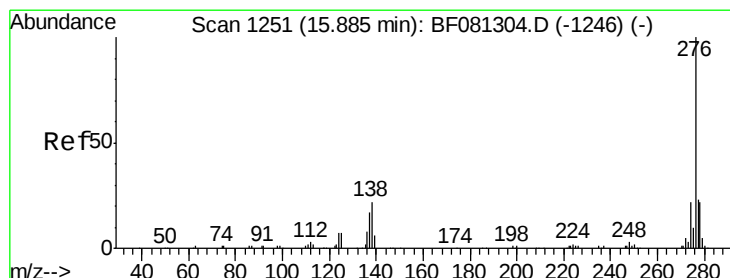
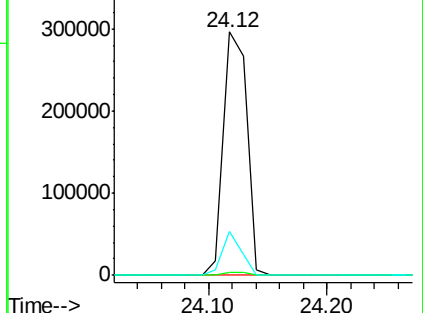
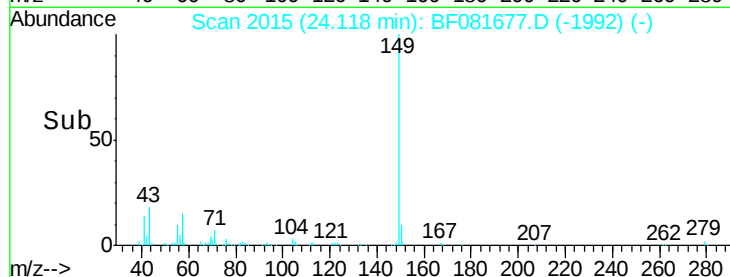
43 14.6 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 38.29 ng

RT: 25.82 min Scan# 2164

Delta R.T. -0.06 min

Lab File: BF081677.D

Acq: 17 Sep 2015 13:53

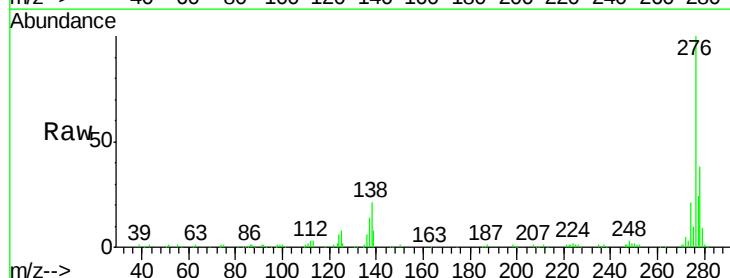
Tgt Ion:276 Resp: 224043

Ion Ratio Lower Upper

276 100

138 20.7 25.7 38.5#

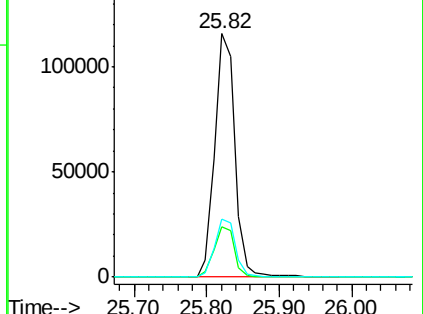
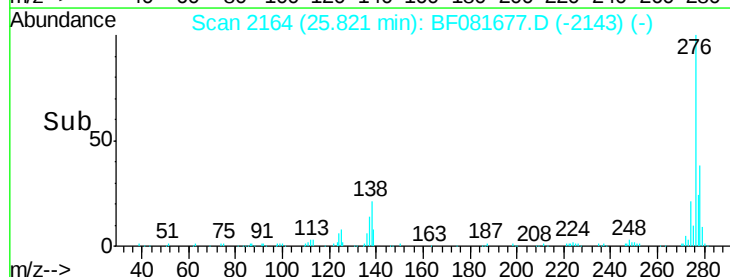
277 24.3 15.6 23.4#

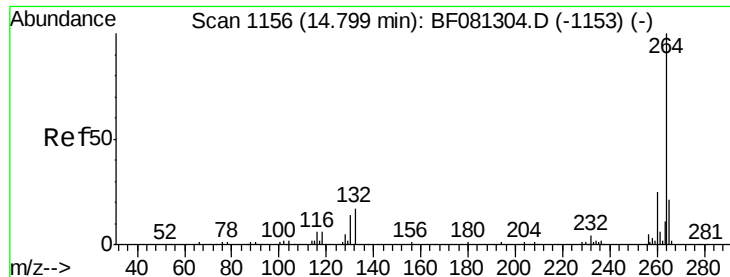


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

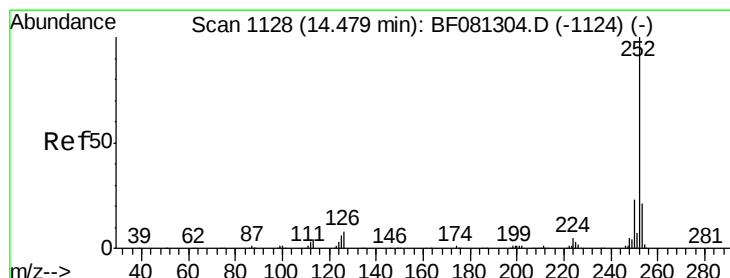
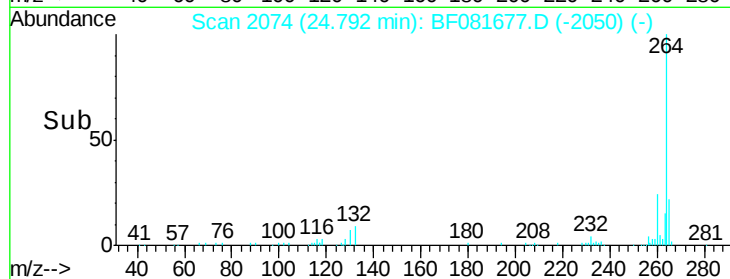
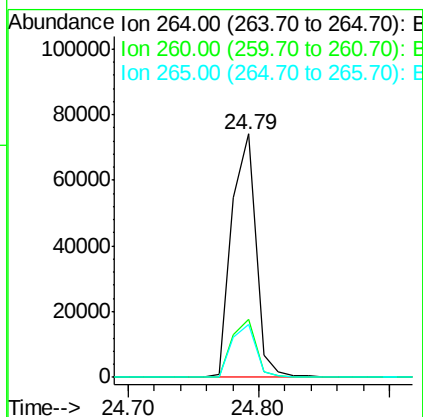
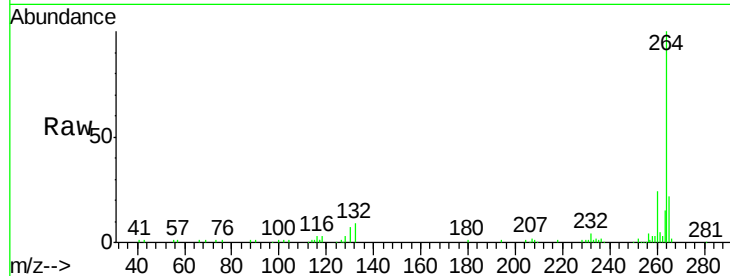




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.79 min Scan# 2074  
Delta R.T. -0.02 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

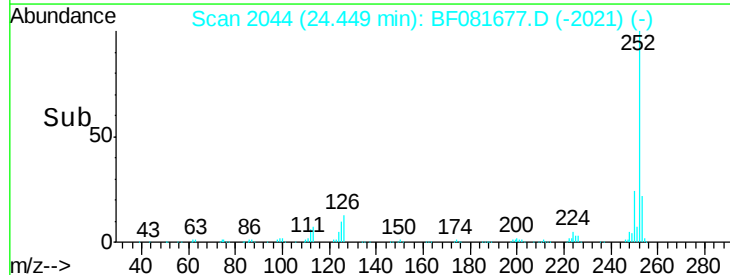
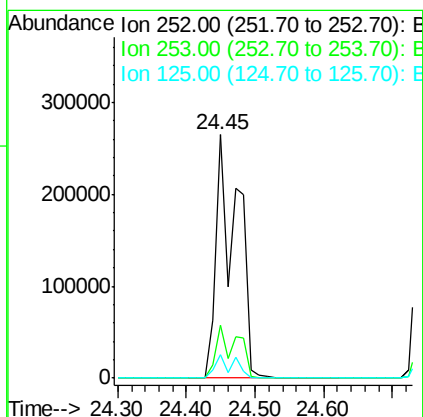
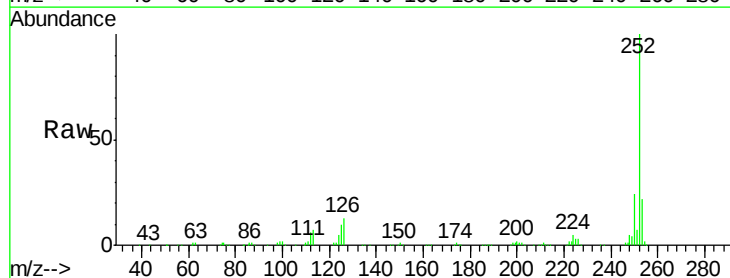
Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

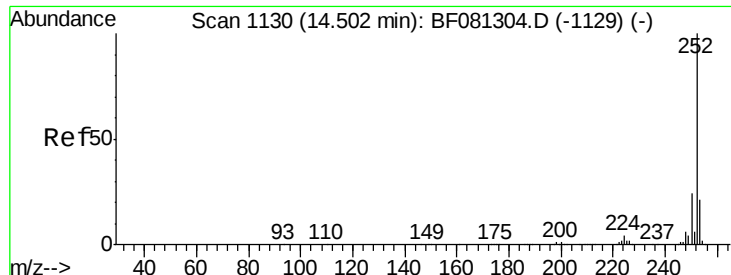
Tgt Ion: 264 Resp: 95474  
Ion Ratio Lower Upper  
264 100  
260 23.9 16.7 25.1  
265 21.6 17.2 25.8



#87  
Benzo(b)fluoranthene  
Concen: 85.73 ng  
RT: 24.45 min Scan# 2044  
Delta R.T. -0.03 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion: 252 Resp: 584334  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.5 26.3  
125 9.6 17.1 25.7#

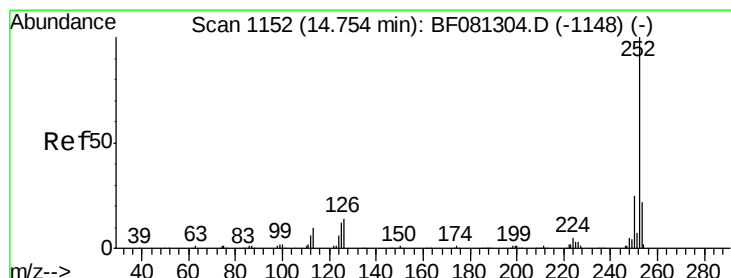
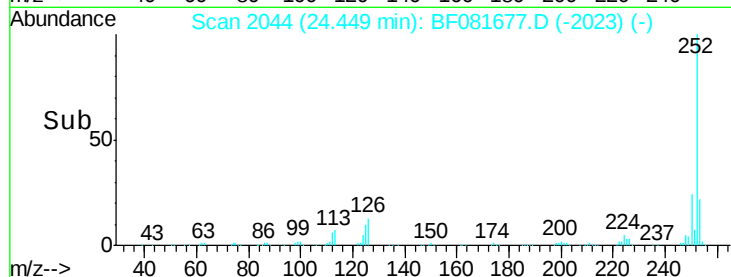
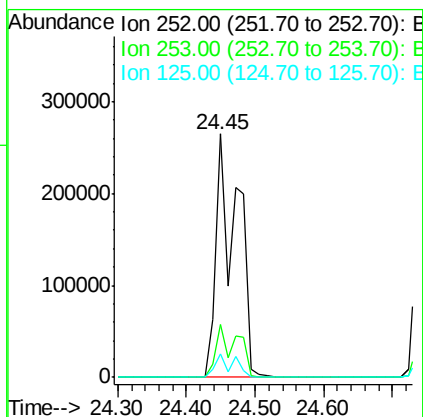
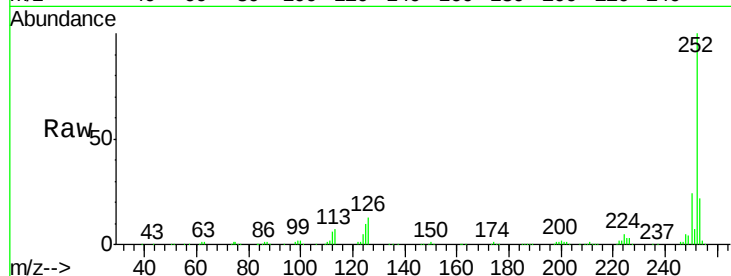




#88  
Benzo(k)fluoranthene  
Concen: 103.32 ng  
RT: 24.45 min Scan# 2044  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

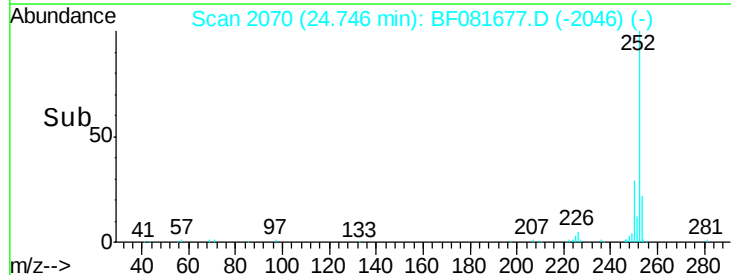
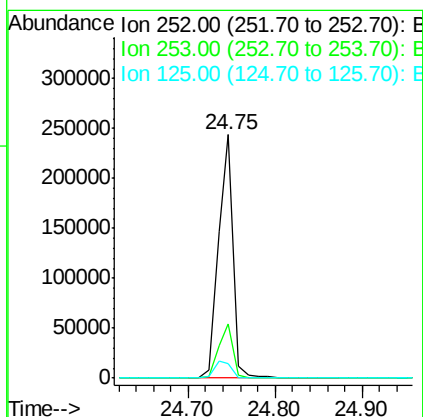
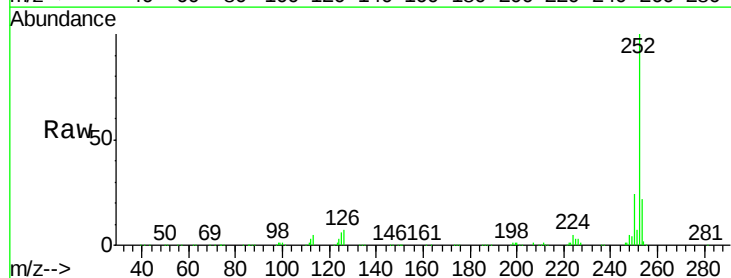
Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

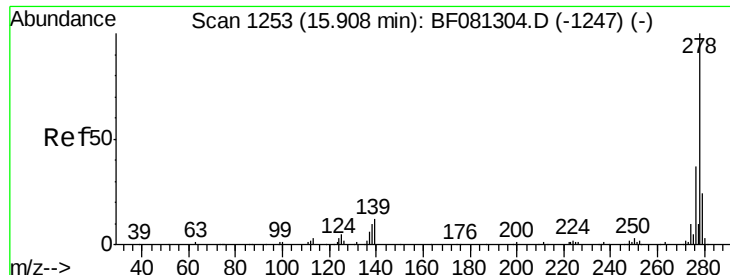
Tgt Ion:252 Resp: 584334  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.0 25.4  
125 9.6 16.0 24.0#



#89  
Benzo(a)pyrene  
Concen: 49.84 ng  
RT: 24.75 min Scan# 2070  
Delta R.T. -0.02 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Tgt Ion:252 Resp: 287884  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.2 25.8  
125 6.0 18.0 27.0#

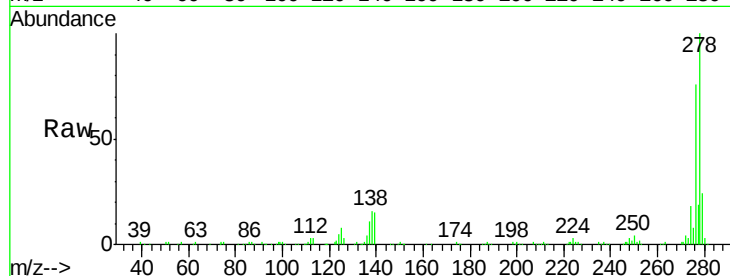




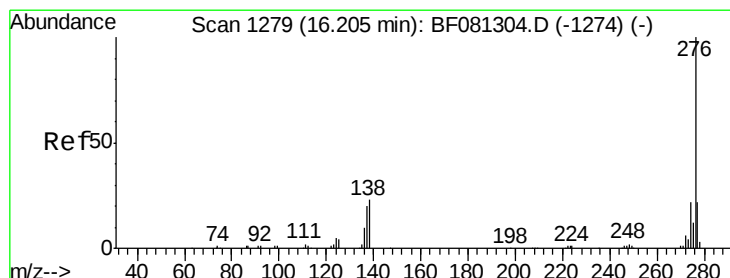
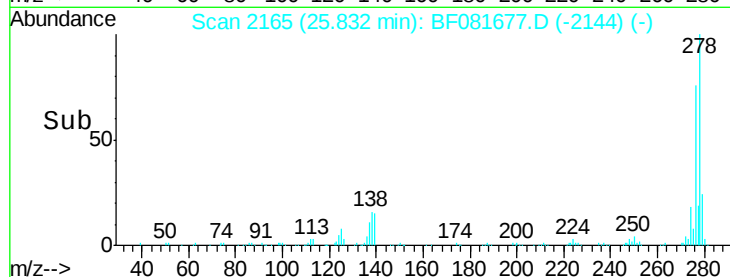
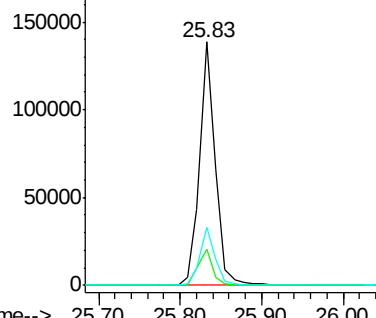
#90  
Dibenzo(a,h)anthracene  
Concen: 41.56 ng  
RT: 25.83 min Scan# 2165  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
WC-91415-WATERMS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.9  | 26.3  | 39.5# |
| 279     | 23.6  | 18.2  | 27.4  |

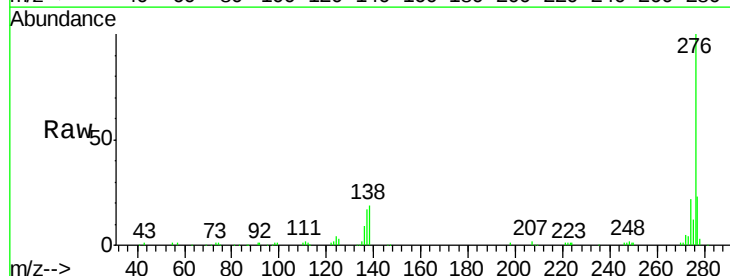


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 40.74 ng  
RT: 26.12 min Scan# 2190  
Delta R.T. -0.06 min  
Lab File: BF081677.D  
Acq: 17 Sep 2015 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.5  | 17.8  | 26.6  |
| 138     | 19.2  | 34.6  | 51.8# |



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

