

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\  
 Data File : BF086673.D  
 Acq On : 4 May 2016 13:14  
 Operator : UM/SJ  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 04 14:00:20 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 04 13:25:07 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 177333   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.03  | 136  | 747994   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.78  | 164  | 353531   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.25 | 188  | 605840   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.89 | 240  | 381679   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.28 | 264  | 339528   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.32  | 112  | 1058040  | 102.91 | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 1367761  | 95.32  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 1355535  | 97.68  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 343169   | 92.05  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1882690  | 90.13  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.84 | 244  | 1802348  | 104.03 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.26 | 88   | 264667   | 49.01 | ng    | # 74   |
| 3) Pyridine                    | 2.94 | 79   | 716362   | 56.05 | ng    | # 71   |
| 4) n-Nitrosodimethylamine      | 2.90 | 42   | 441910   | 60.66 | ng    | # 55   |
| 6) Aniline                     | 6.41 | 93   | 892813   | 51.42 | ng    | 96     |
| 8) 2-Chlorophenol              | 6.52 | 128  | 596819   | 46.61 | ng    | 88     |
| 9) Benzaldehyde                | 6.28 | 77   | 339933   | 40.72 | ng    | 98     |
| 10) Phenol                     | 6.40 | 94   | 787442   | 49.19 | ng    | # 56   |
| 11) bis(2-Chloroethyl)ether    | 6.48 | 93   | 641370   | 46.34 | ng    | # 83   |
| 12) 1,3-Dichlorobenzene        | 6.68 | 146  | 659438   | 47.88 | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.68 | 146  | 659438   | 46.40 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146  | 624037   | 47.88 | ng    | 98     |
| 15) Benzyl Alcohol             | 6.89 | 79   | 446201   | 49.15 | ng    | 88     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45   | 1258677  | 45.44 | ng    | 89     |
| 17) 2-Methylphenol             | 7.01 | 107  | 514156   | 49.68 | ng    | # 90   |
| 18) Hexachloroethane           | 7.25 | 117  | 263935   | 49.70 | ng    | # 90   |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70   | 501392   | 52.86 | ng    | # 78   |
| 20) 3+4-Methylphenols          | 7.16 | 107  | 540675   | 45.75 | ng    | 93     |
| 22) Acetophenone               | 7.16 | 105  | 827776   | 50.47 | ng    | # 89   |
| 24) Nitrobenzene               | 7.33 | 77   | 799443   | 56.00 | ng    | 94     |
| 25) Isophorone                 | 7.57 | 82   | 1270636  | 47.58 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.64 | 139  | 319573   | 48.62 | ng    | # 70   |
| 27) 2,4-Dimethylphenol         | 7.69 | 122  | 550052   | 47.70 | ng    | 90     |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93   | 731170   | 50.25 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.89 | 162  | 502665   | 51.66 | ng    | 95     |
| 30) 1,2,4-Trichlorobenzene     | 7.97 | 180  | 549643   | 48.69 | ng    | 99     |
| 31) Naphthalene                | 8.05 | 128  | 1762284  | 46.30 | ng    | 99     |
| 32) Benzoic acid               | 7.82 | 122  | 230787   | 38.59 | ng    | 87     |
| 33) 4-Chloroaniline            | 8.10 | 127  | 686007   | 48.13 | ng    | # 89   |
| 34) Hexachlorobutadiene        | 8.17 | 225  | 294688   | 46.57 | ng    | 98     |
| 35) Caprolactam                | 8.49 | 113  | 147425   | 45.42 | ng    | # 58   |
| 36) 4-Chloro-3-methylphenol    | 8.59 | 107  | 521364   | 46.80 | ng    | 90     |
| 37) 2-Methylnaphthalene        | 8.74 | 142  | 1026575  | 45.71 | ng    | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216  | 497564   | 49.17 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 8.89 | 237  | 214860   | 42.73 | ng    | 97     |

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 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

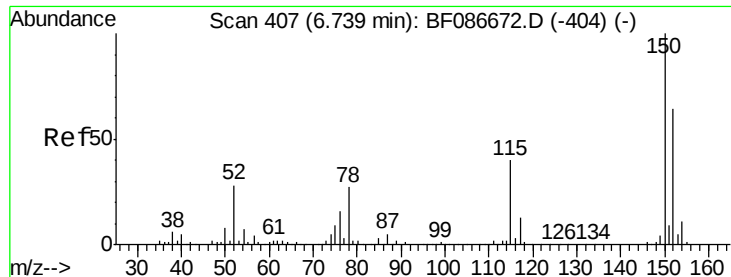
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 04 14:00:20 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M  
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 QLast Update : Wed May 04 13:25:07 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.02  | 196  | 326150   | 50.99 | nq    | 92       |
| 43) 2,4,5-Trichlorophenol      | 9.06  | 196  | 335038   | 48.05 | nq    | # 84     |
| 45) 1,1'-Biphenyl              | 9.21  | 154  | 1393695  | 47.16 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.23  | 162  | 1070706  | 47.65 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.32  | 65   | 378902   | 52.59 | nq    | # 74     |
| 48) Acenaphthylene             | 9.64  | 152  | 1603960  | 45.67 | nq    | 99       |
| 49) Dimethylphthalate          | 9.52  | 163  | 1265005  | 47.53 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.57  | 165  | 268701   | 48.87 | nq    | # 88     |
| 51) Acenaphthene               | 9.81  | 154  | 983204   | 43.59 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.74  | 138  | 321617   | 51.43 | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 9.85  | 184  | 87446    | 35.56 | nq    | 92       |
| 54) Dibenzofuran               | 9.98  | 168  | 1299482  | 46.09 | nq    | 97       |
| 55) 4-Nitrophenol              | 9.90  | 139  | 194748   | 47.56 | nq    | # 59     |
| 56) 2,4-Dinitrotoluene         | 9.97  | 165  | 323884   | 46.21 | nq    | # 85     |
| 57) Fluorene                   | 10.33 | 166  | 1102457  | 45.04 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.10 | 232  | 239483   | 43.93 | nq    | 98       |
| 59) Diethylphthalate           | 10.21 | 149  | 1217065  | 48.31 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.32 | 204  | 460712   | 41.45 | nq    | 97       |
| 61) 4-Nitroaniline             | 10.35 | 138  | 307149   | 50.25 | nq    | # 72     |
| 62) Azobenzene                 | 10.48 | 77   | 1242847  | 45.04 | nq    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198  | 170018   | 47.80 | nq    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.44 | 169  | 921985   | 48.69 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.81 | 248  | 291534   | 46.70 | nq    | 99       |
| 67) Hexachlorobenzene          | 10.88 | 284  | 372256   | 51.52 | nq    | 99       |
| 68) Atrazine                   | 10.97 | 200  | 282314   | 49.65 | nq    | 95       |
| 69) Pentachlorophenol          | 11.07 | 266  | 170660   | 44.80 | nq    | 96       |
| 70) Phenanthrene               | 11.29 | 178  | 1601197  | 50.36 | nq    | 100      |
| 71) Anthracene                 | 11.33 | 178  | 1555157  | 45.83 | nq    | 99       |
| 72) Carbazole                  | 11.49 | 167  | 1509183  | 50.18 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 1601640  | 47.01 | nq    | # 98     |
| 74) Fluoranthene               | 12.46 | 202  | 1555062  | 48.45 | nq    | 97       |
| 76) Benzidine                  | 12.59 | 184  | 558698   | 42.59 | nq    | 99       |
| 77) Pyrene                     | 12.69 | 202  | 1601022  | 58.21 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.32 | 149  | 717022   | 60.20 | nq    | 94       |
| 80) Benzo(a)anthracene         | 13.87 | 228  | 1068158  | 52.49 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.85 | 252  | 684420   | 50.31 | nq    | # 97     |
| 82) Chrysene                   | 13.92 | 228  | 1233866  | 55.78 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149  | 796117   | 53.84 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.49 | 149  | 1184486  | 51.16 | nq    | # 86     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.59 | 276  | 1118184  | 68.23 | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 14.91 | 252  | 1904386  | 95.34 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 14.91 | 252  | 1908278  | 91.59 | nq    | 98       |
| 89) Benzo(a)pyrene             | 15.22 | 252  | 919517   | 48.76 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.61 | 278  | 919079   | 59.56 | nq    | # 94     |
| 91) Benzo(g,h,i)perylene       | 16.99 | 276  | 960126   | 62.08 | nq    | 96       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

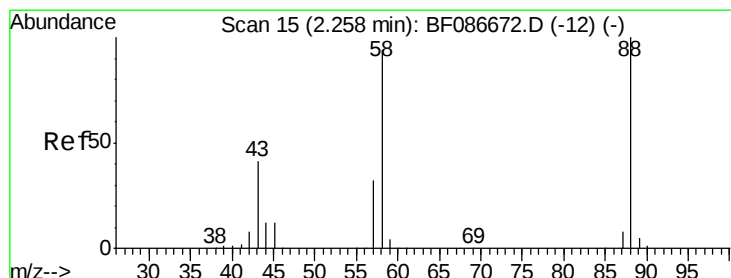
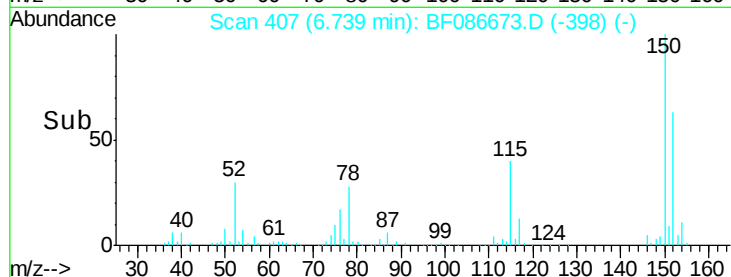
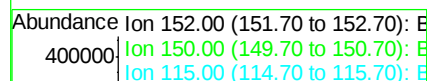
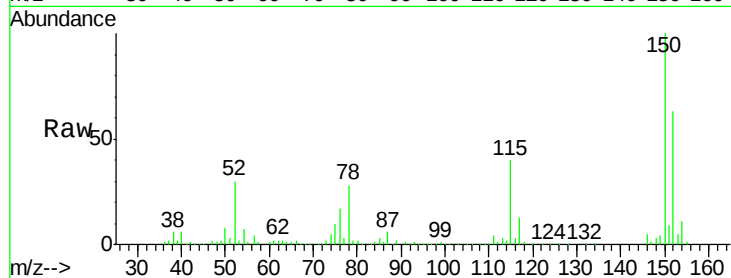
Tot Ion:152 Resp: 177333

Ion Ratio Lower Upper

152 100

150 158.4 125.8 188.6

115 63.1 51.5 77.3



#2

1,4-Dioxane

Concen: 49.01 ng

RT: 2.26 min Scan# 15

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

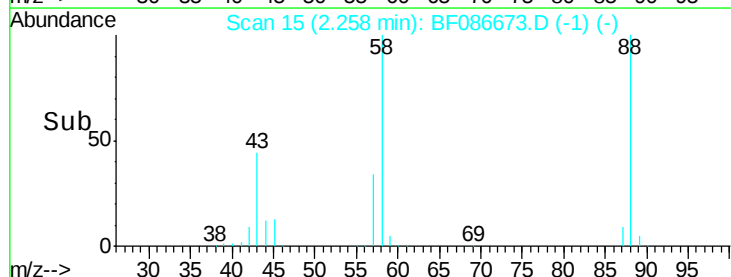
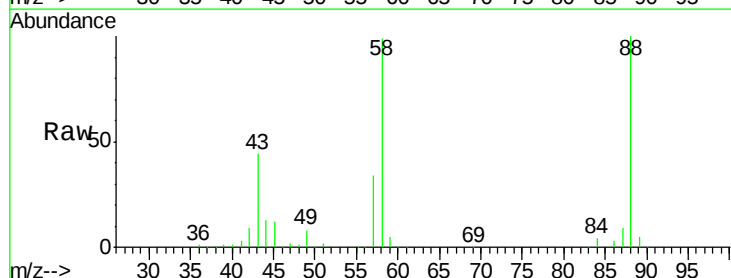
Tgt Ion: 88 Resp: 264667

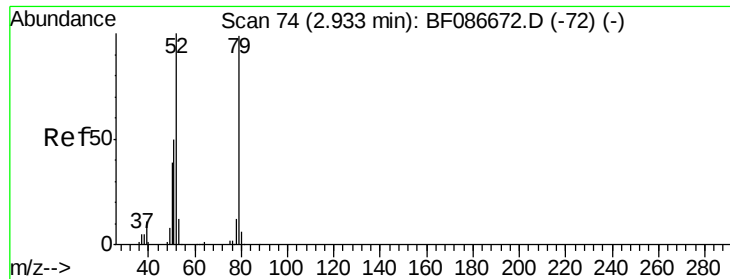
Ion Ratio Lower Upper

88 100

58 95.3 59.6 89.4#

43 42.9 21.8 32.6#

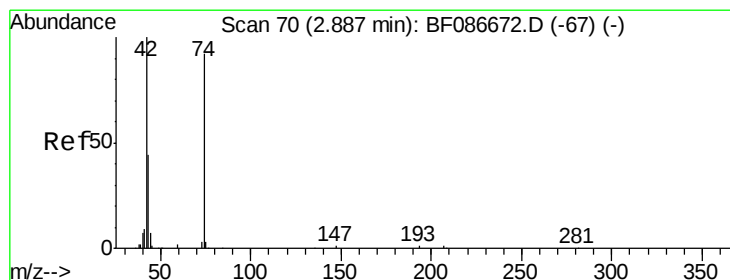
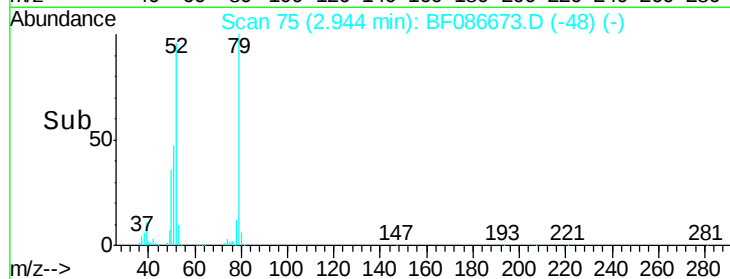
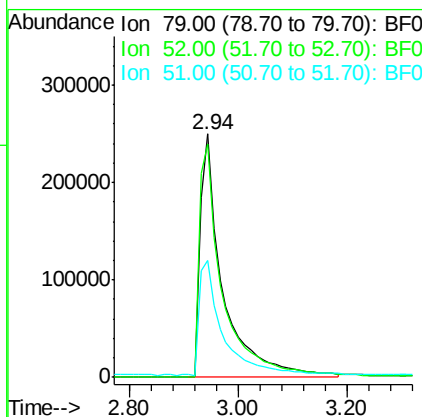
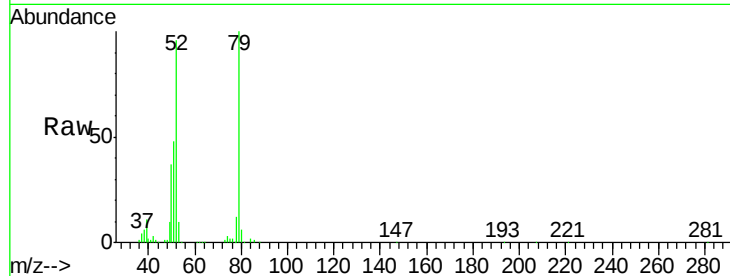




#3  
 Pvridine  
 Concen: 56.05 ng  
 RT: 2.94 min Scan# 75  
 Delta R.T. 0.01 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

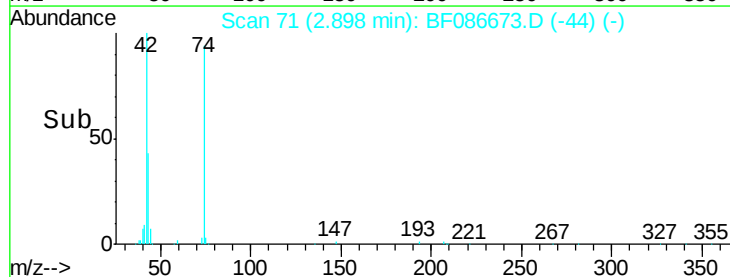
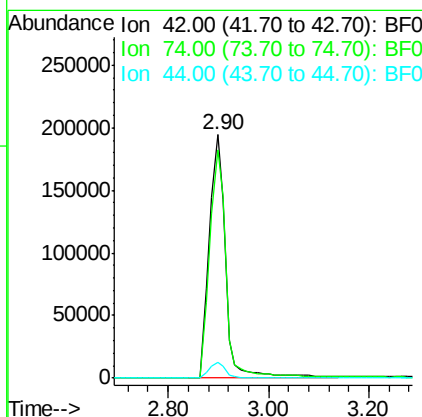
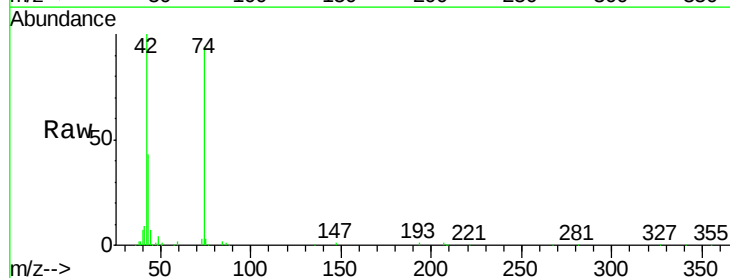
Instrument :  
 BNA\_F  
 ClientSampleId :

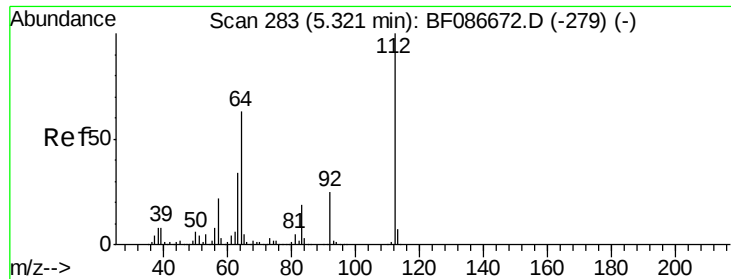
Tot Ion: 79 Resp: 716362  
 Ion Ratio Lower Upper  
 79 100  
 52 96.0 55.9 83.9#  
 51 47.9 28.1 42.1#



#4  
 n-Nitrosodimethylamine  
 Concen: 60.66 ng  
 RT: 2.90 min Scan# 71  
 Delta R.T. 0.01 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Tgt Ion: 42 Resp: 441910  
 Ion Ratio Lower Upper  
 42 100  
 74 93.9 123.4 185.0#  
 44 6.7 5.8 8.6





#5

2-Fluorophenol

Concen: 102.91 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

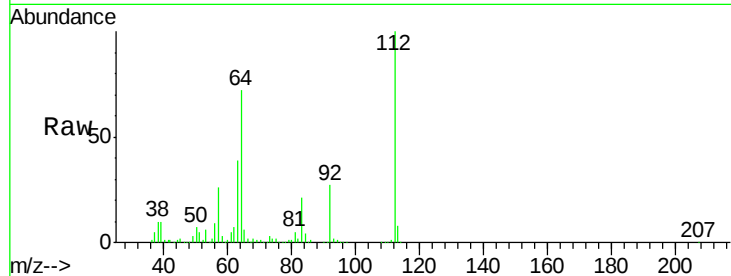
Tot Ion:112 Resp: 1058040

Ion Ratio Lower Upper

112 100

64 71.9 52.1 78.1

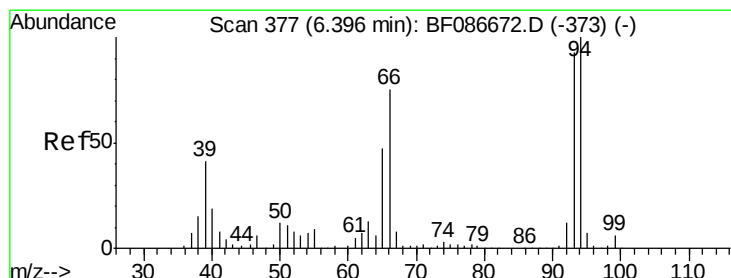
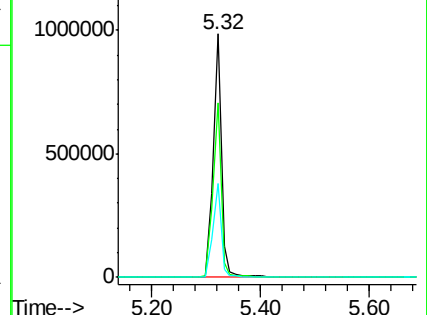
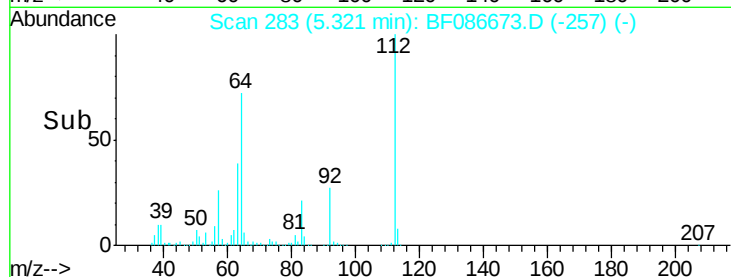
63 38.7 25.7 38.5#



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: 51.42 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

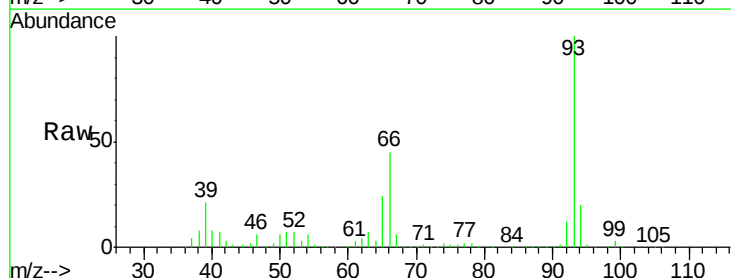
Tgt Ion: 93 Resp: 892813

Ion Ratio Lower Upper

93 100

66 45.4 39.0 58.6

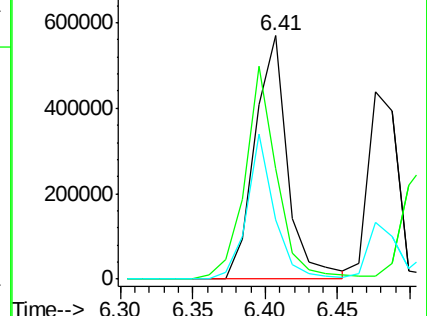
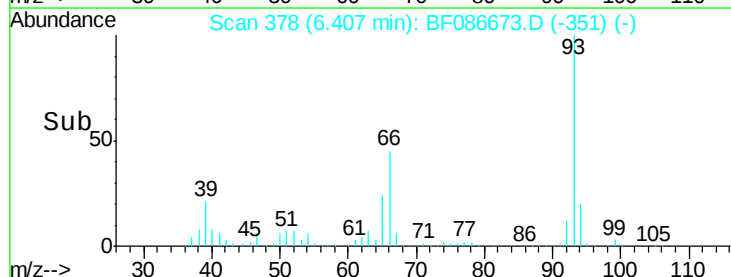
65 24.4 20.6 31.0

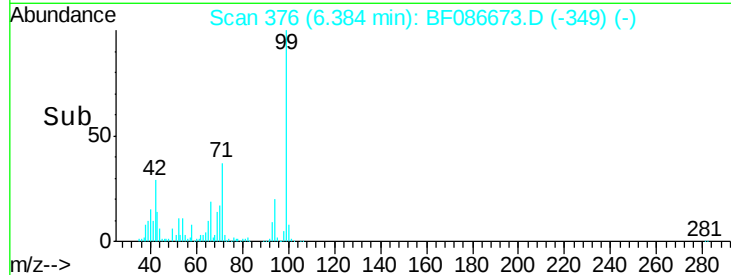
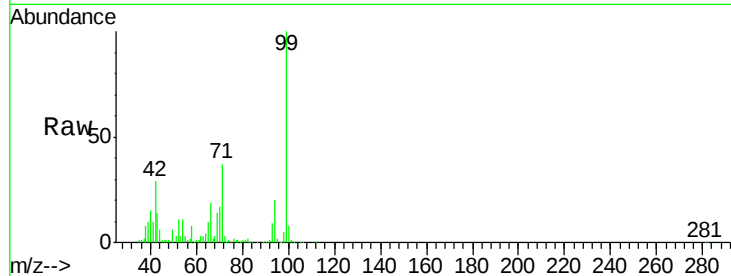
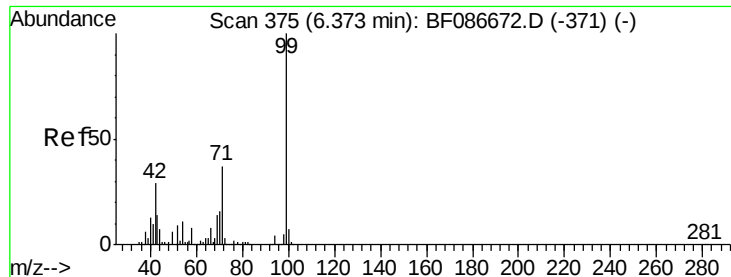


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 95.32 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampled :

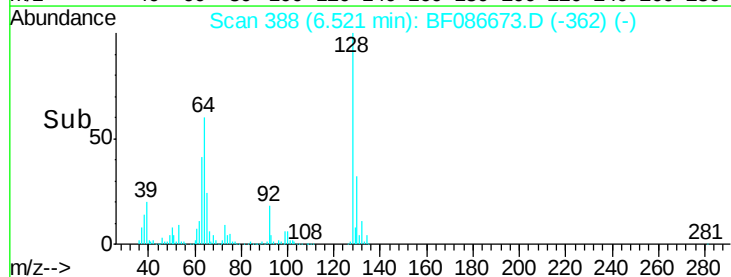
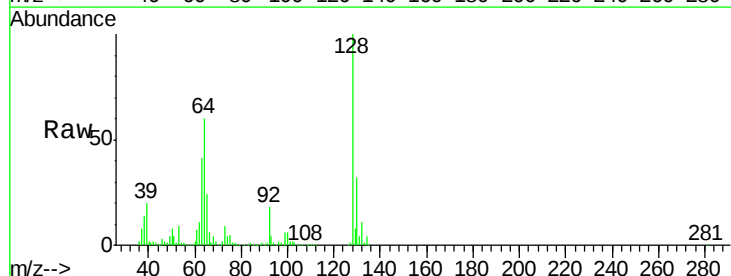
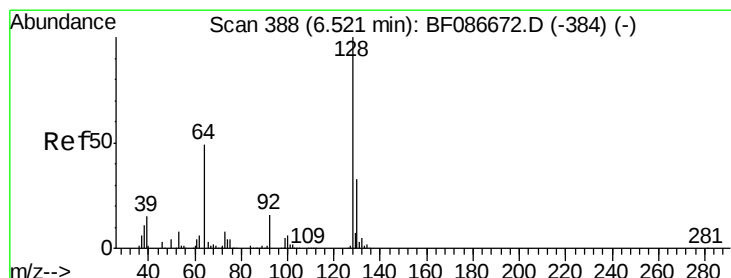
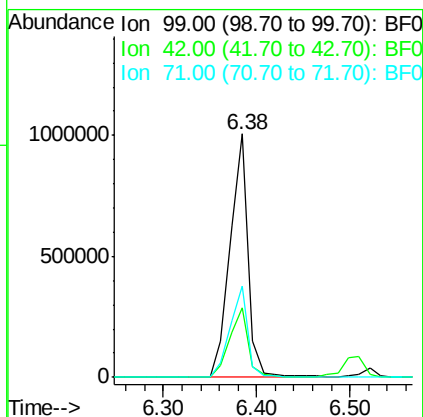
Tot Ion: 99 Resp: 1367761

Ion Ratio Lower Upper

99 100

42 28.8 13.6 20.4#

71 37.3 24.6 36.8#



#8

2-Chlorophenol

Concen: 46.61 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

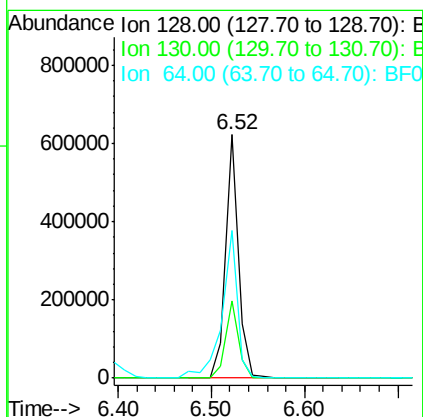
Tgt Ion: 128 Resp: 596819

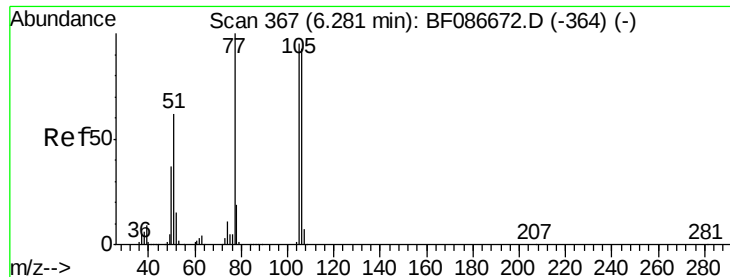
Ion Ratio Lower Upper

128 100

130 32.0 12.5 52.5

64 60.4 27.3 67.3





#9

Benzaldehyde

Concen: 40.72 ng

RT: 6.28 min Scan# 367

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

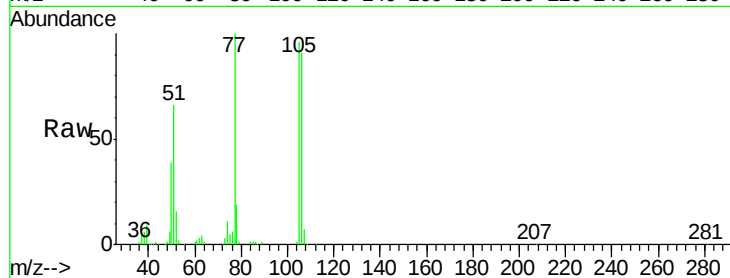
Tot Ion: 77 Resp: 339933

Ion Ratio Lower Upper

77 100

105 95.7 72.7 112.7

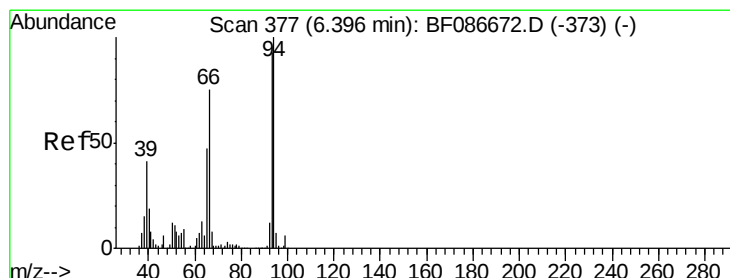
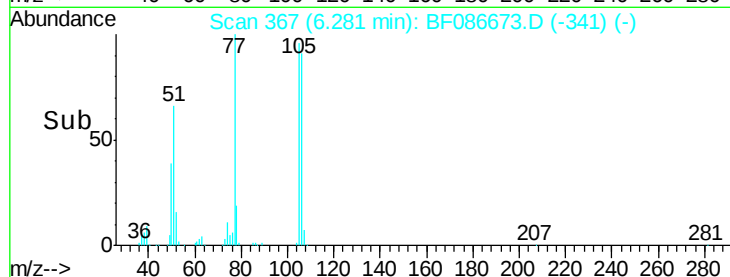
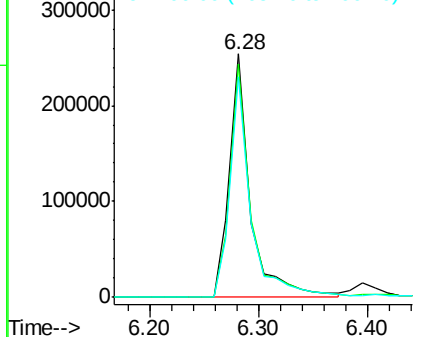
106 90.6 70.8 110.8



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: 49.19 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

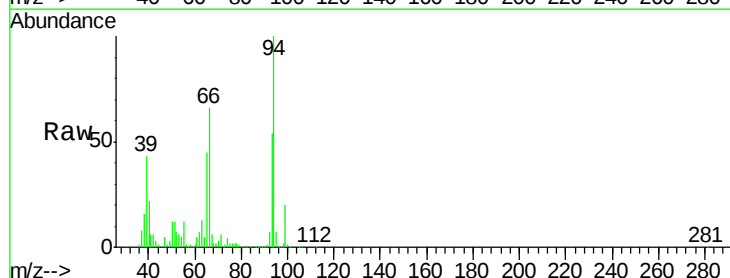
Tgt Ion: 94 Resp: 787442

Ion Ratio Lower Upper

94 100

65 44.5 7.2 47.2

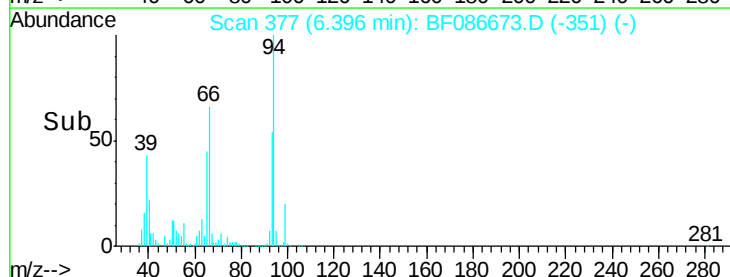
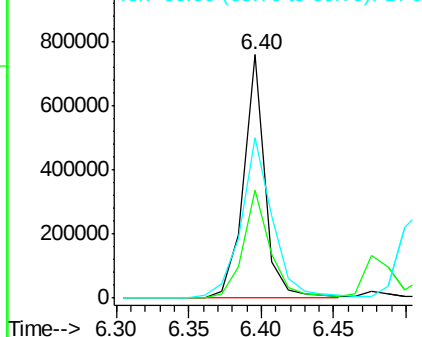
66 65.6 14.9 54.9#

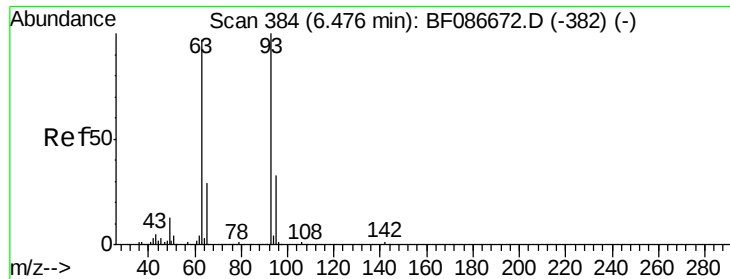


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

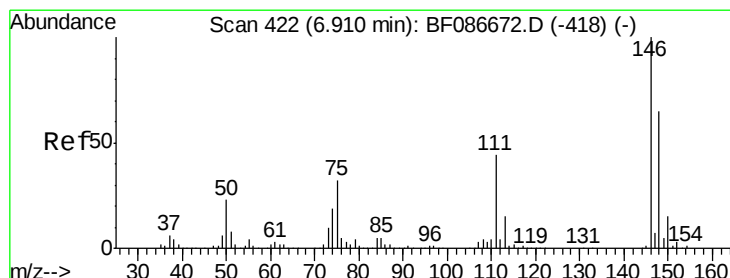
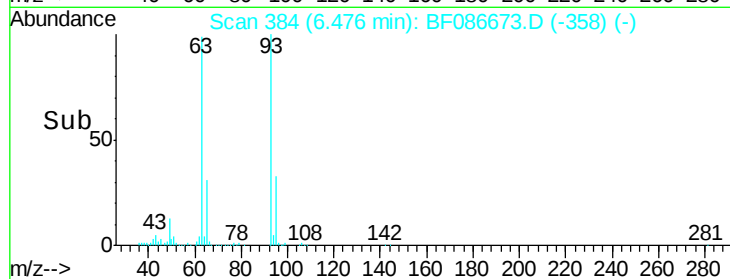
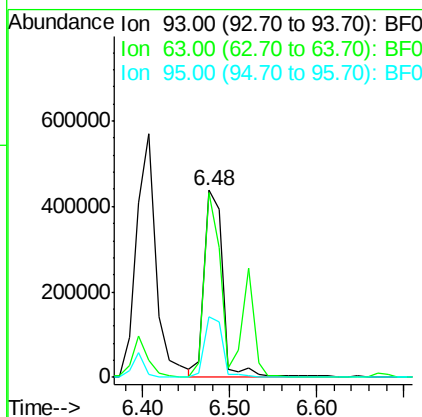
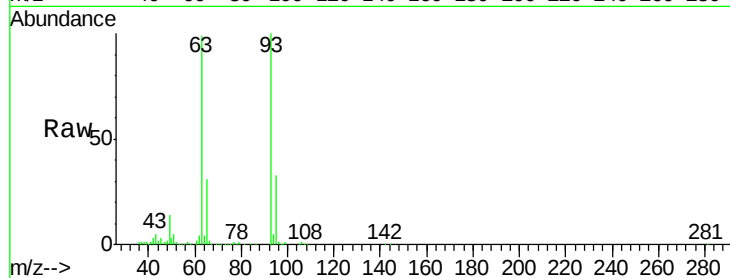




#11  
bis(2-Chloroethyl)ether  
Concen: 46.34 ng  
RT: 6.48 min Scan# 384  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

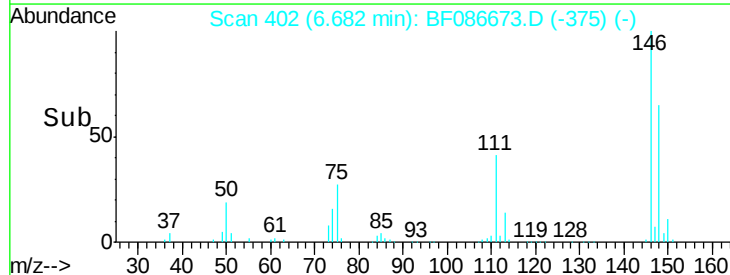
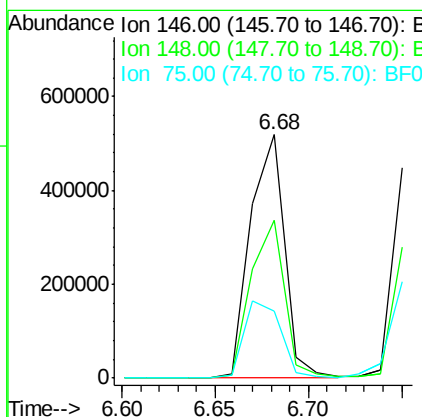
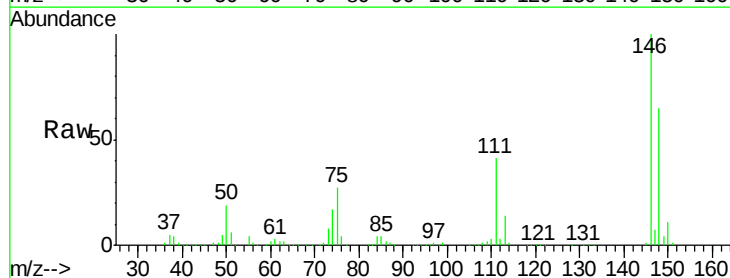
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 93 Resp: 641370  
Ion Ratio Lower Upper  
93 100  
63 98.8 58.0 98.0#  
95 32.7 11.9 51.9



#12  
1,3-Dichlorobenzene  
Concen: 47.88 ng  
RT: 6.68 min Scan# 402  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion: 146 Resp: 659438  
Ion Ratio Lower Upper  
146 100  
148 64.8 52.4 78.6  
75 27.5 22.8 34.2

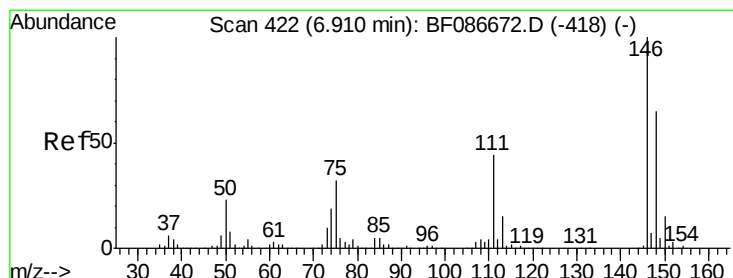
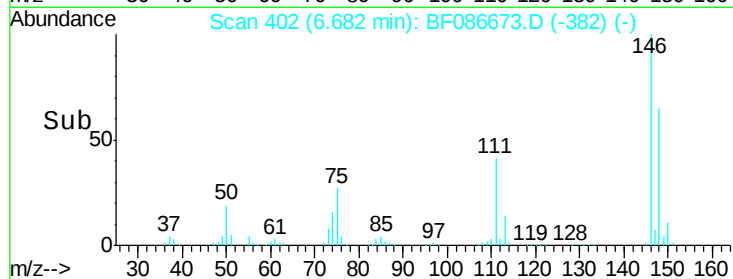
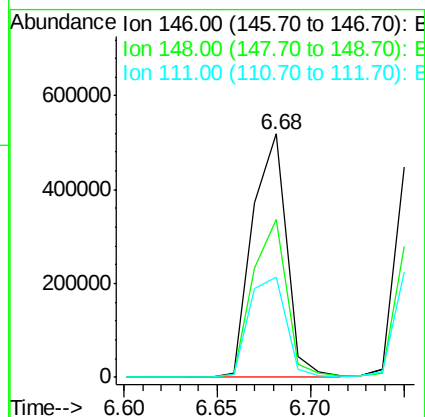
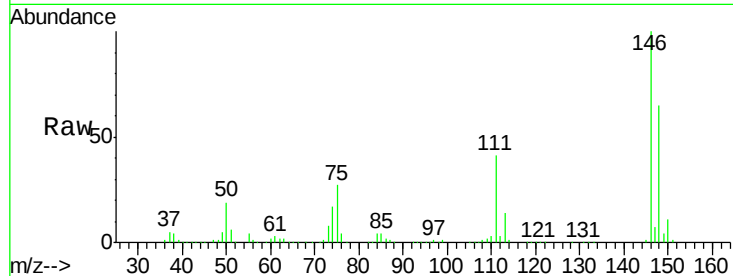




#13  
 1,4-Dichlorobenzene  
 Concen: 46.40 ng  
 RT: 6.68 min Scan# 402  
 Delta R.T. -0.07 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

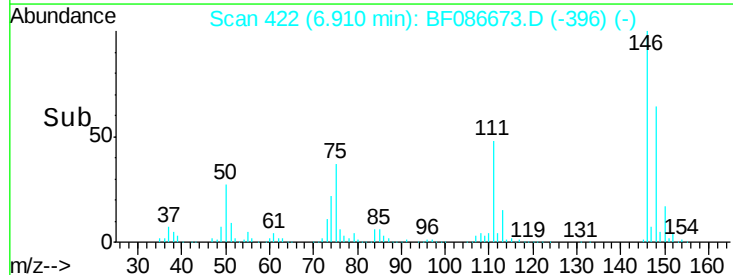
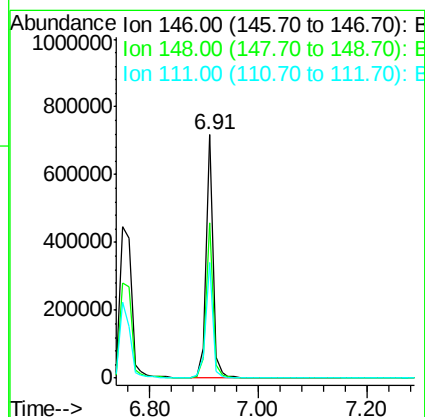
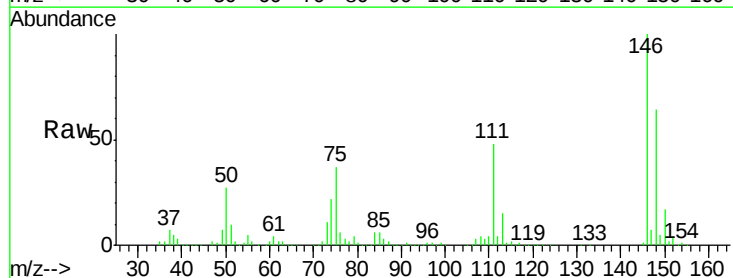
Instrument :  
 BNA\_F  
 ClientSampleId :

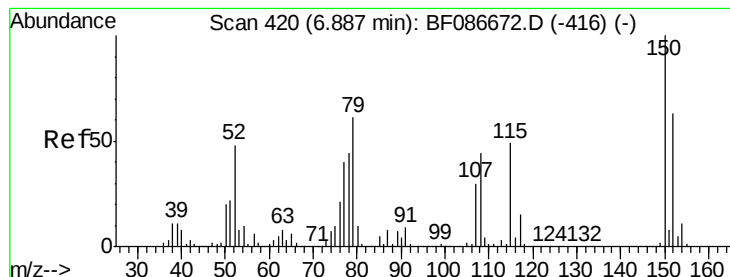
Tot Ion:146 Resp: 659438  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 52.2 78.4  
 111 41.0 30.7 46.1



#14  
 1,2-Dichlorobenzene  
 Concen: 47.88 ng  
 RT: 6.91 min Scan# 422  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Tgt Ion:146 Resp: 624037  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 51.0 76.6  
 111 47.7 36.2 54.4





#15

Benzyl Alcohol

Concen: 49.15 ng

RT: 6.89 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampled :

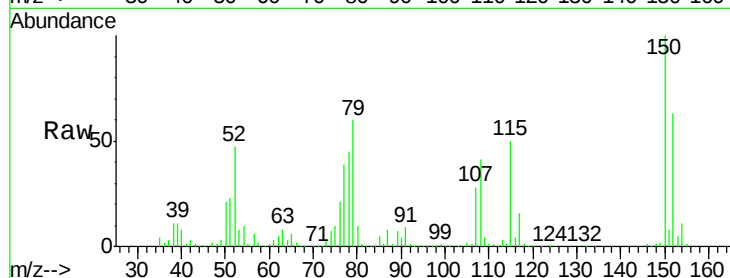
Tot Ion: 79 Resp: 446201

Ion Ratio Lower Upper

79 100

108 68.9 68.4 102.6

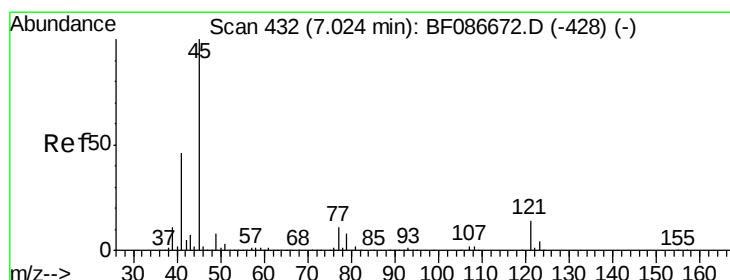
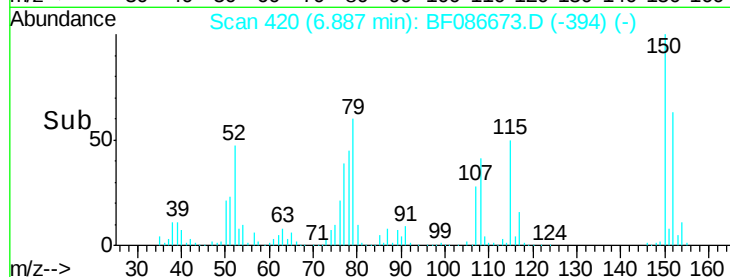
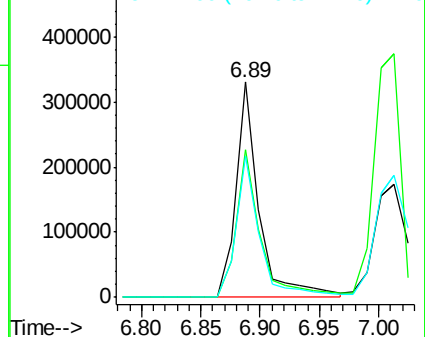
77 65.8 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.44 ng

RT: 7.02 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

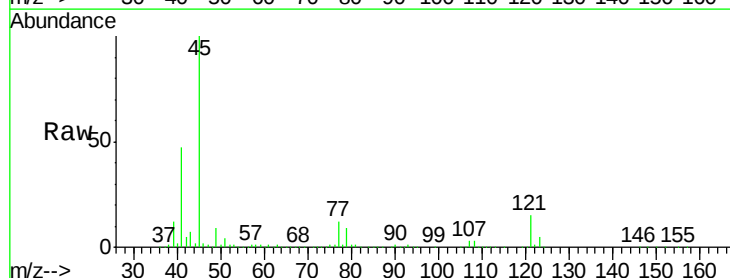
Tgt Ion: 45 Resp: 1258677

Ion Ratio Lower Upper

45 100

77 11.5 0.0 36.4

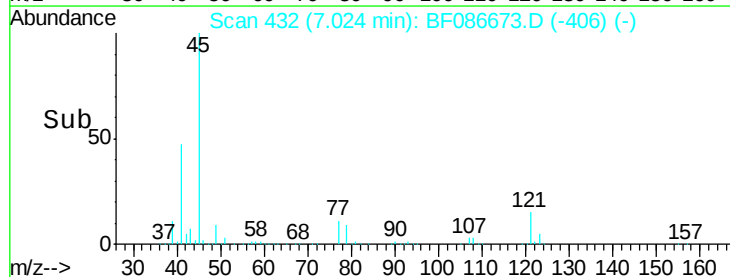
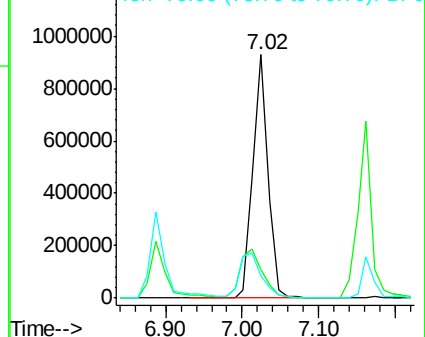
79 9.0 0.0 33.4

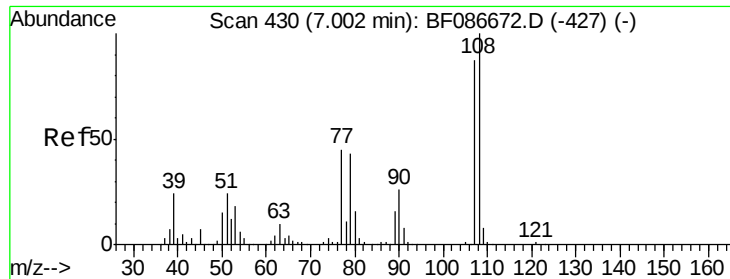


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

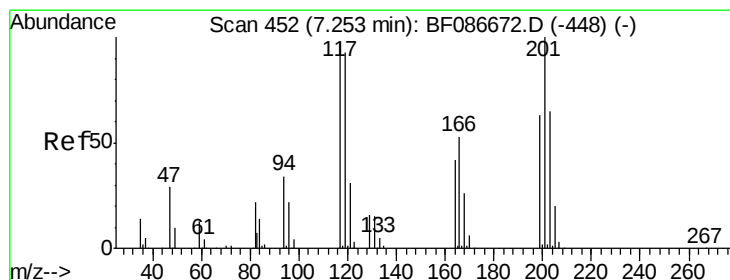
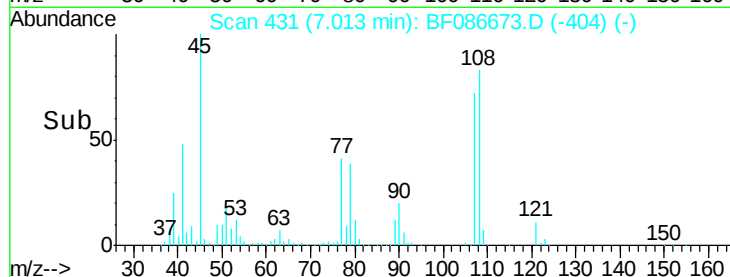
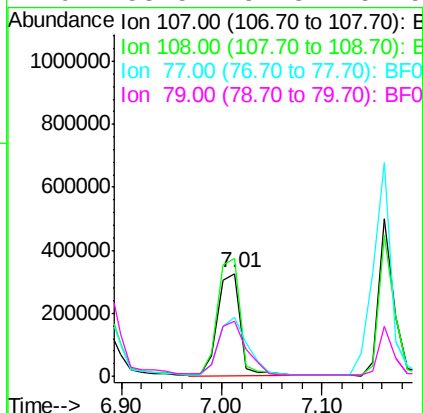
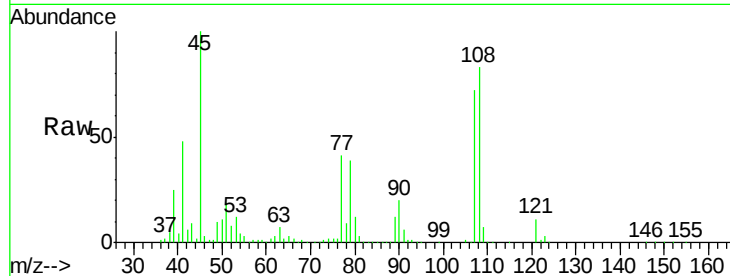




#17  
2-Methylphenol  
Concen: 49.68 ng  
RT: 7.01 min Scan# 431  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

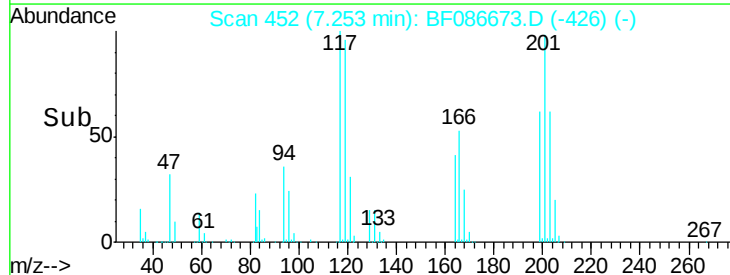
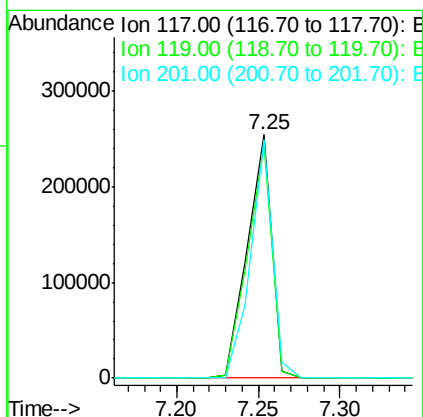
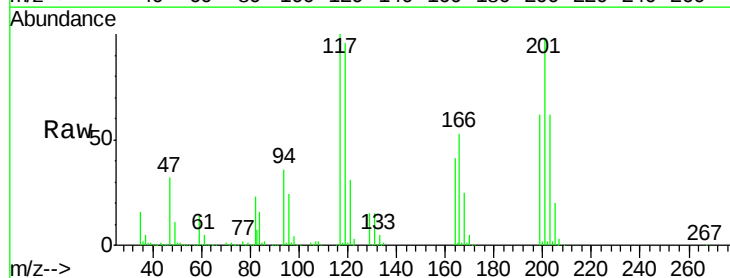
Instrument :  
BNA\_F  
ClientSampleId :

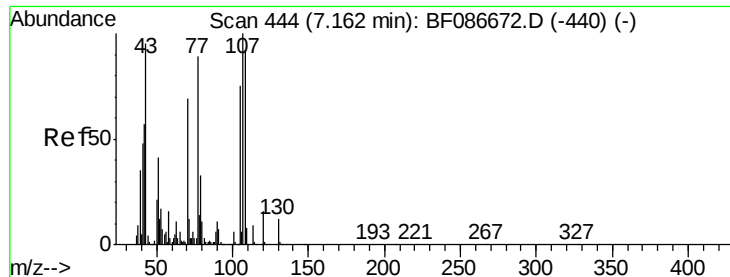
Tot Ion:107 Resp: 514156  
Ion Ratio Lower Upper  
107 100  
108 114.9 93.7 140.5  
77 57.4 33.4 50.0#  
79 53.5 34.3 51.5#



#18  
Hexachloroethane  
Concen: 49.70 ng  
RT: 7.25 min Scan# 452  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:117 Resp: 263935  
Ion Ratio Lower Upper  
117 100  
119 95.8 76.5 114.7  
201 97.8 63.0 94.6#

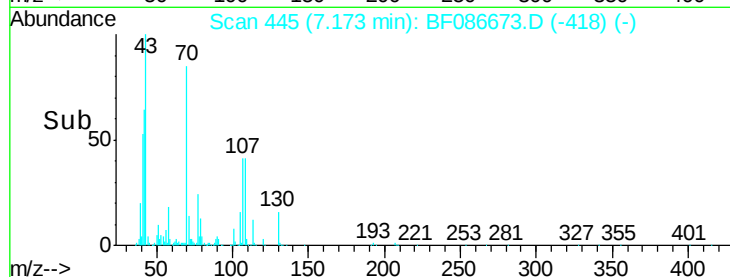
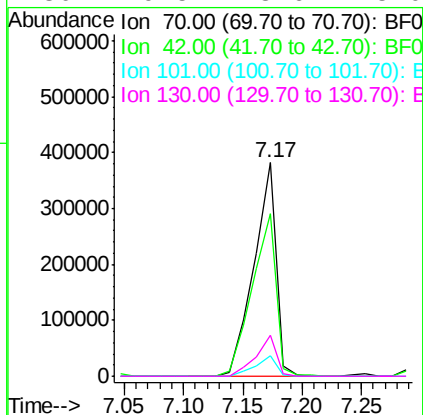
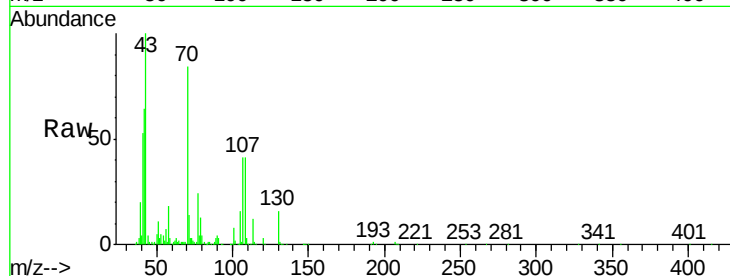




#19  
n-Nitroso-di-n-propylamine  
Concen: 52.86 ng  
RT: 7.17 min Scan# 445  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

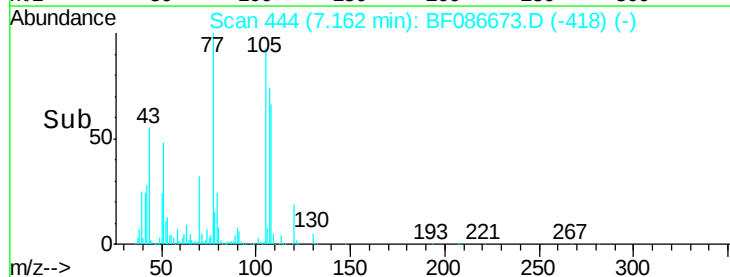
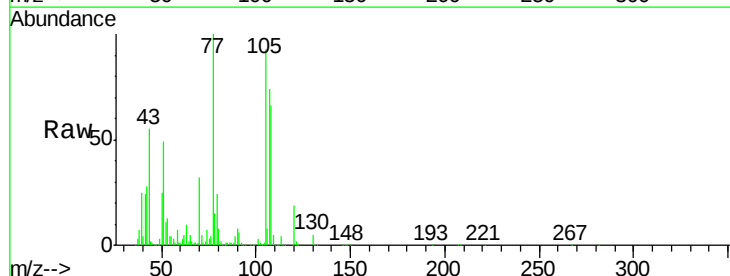
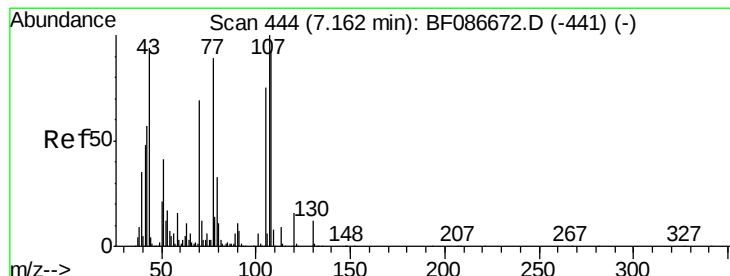
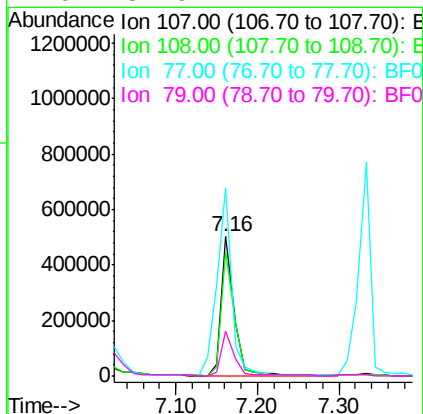
Instrument :  
BNA\_F  
ClientSampleId :

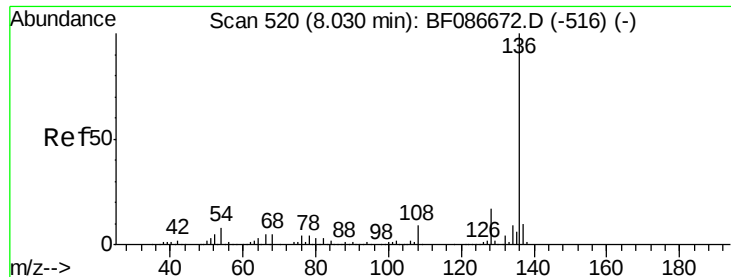
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 76.3  | 43.1  | 64.7  |
| 101     | 9.3   | 8.1   | 12.1  |
| 130     | 19.5  | 18.6  | 28.0  |



#20  
3+4-Methylphenols  
Concen: 45.75 ng  
RT: 7.16 min Scan# 444  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 88.9  | 68.5  | 108.5 |
| 77      | 135.1 | 101.6 | 141.6 |
| 79      | 31.9  | 7.4   | 47.4  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 747994

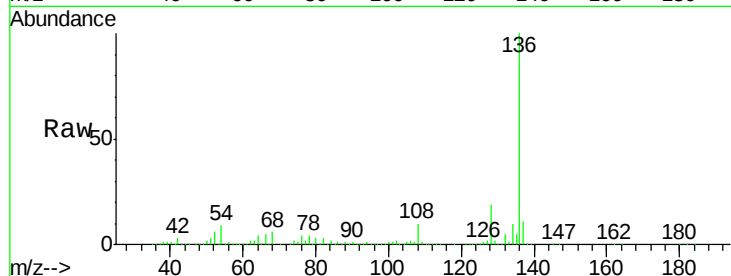
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.3 5.0 7.4#

68 5.6 4.4 6.6

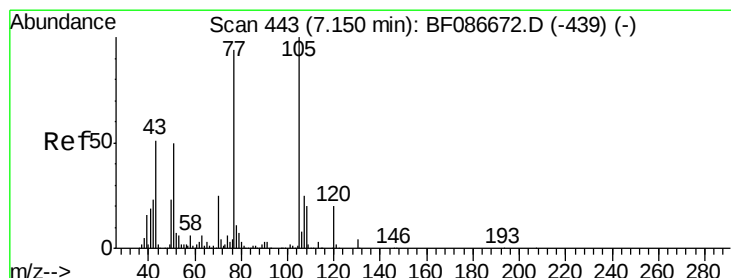
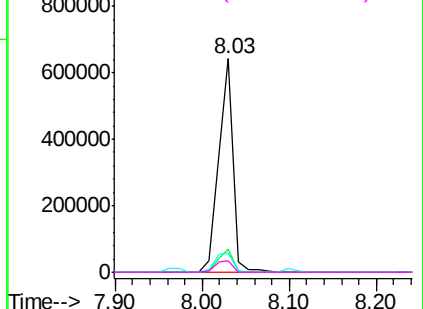
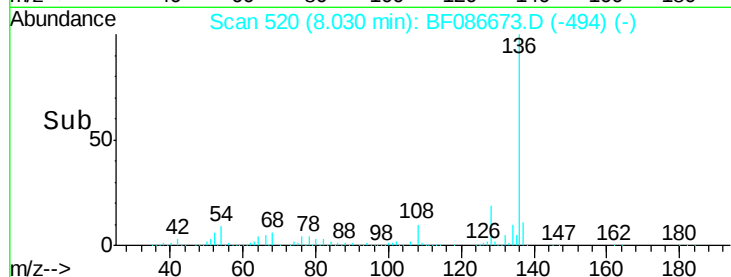


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.47 ng

RT: 7.16 min Scan# 444

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Tgt Ion:105 Resp: 827776

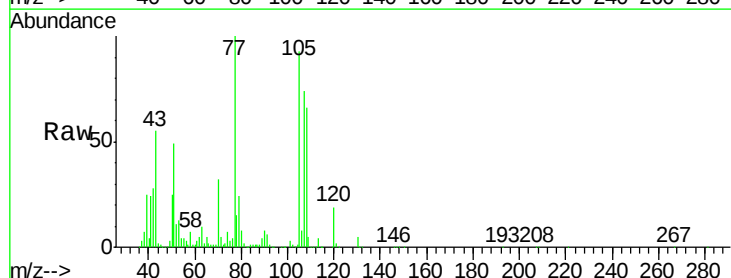
Ion Ratio Lower Upper

105 100

71 5.9 4.8 7.2

51 52.5 32.6 49.0#

120 20.5 16.5 24.7

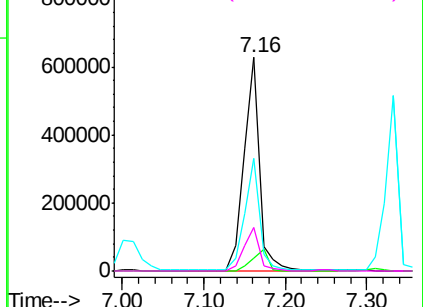
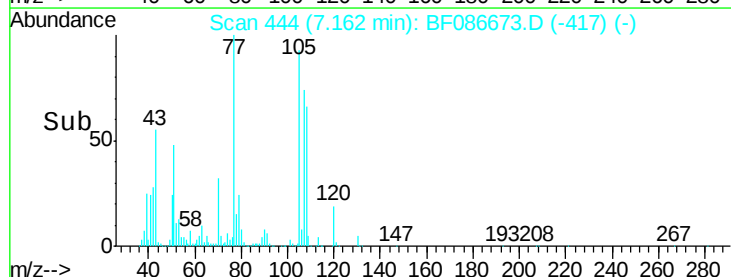


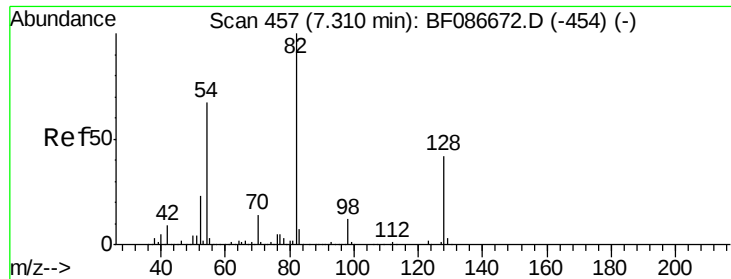
Abundance Ion 105.00 (104.70 to 105.70): E

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

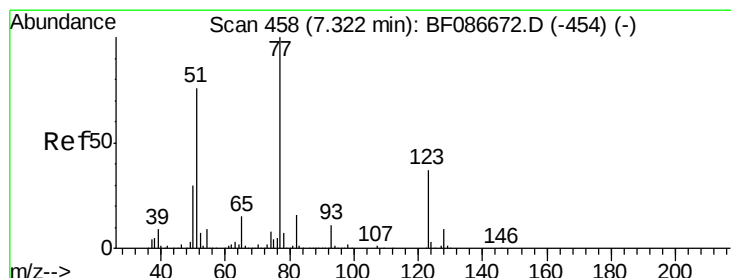
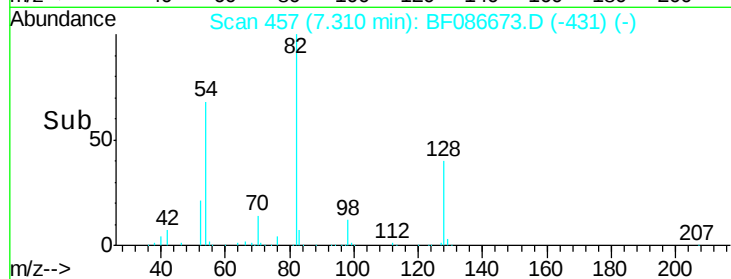
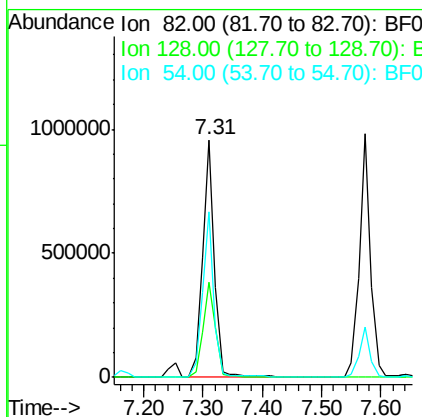
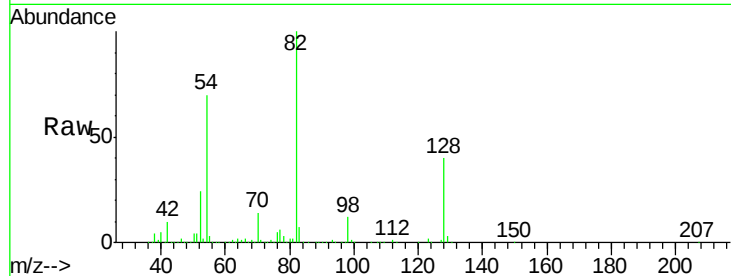




#23  
Nitrobenzene-d5  
Concen: 97.68 ng  
RT: 7.31 min Scan# 457  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

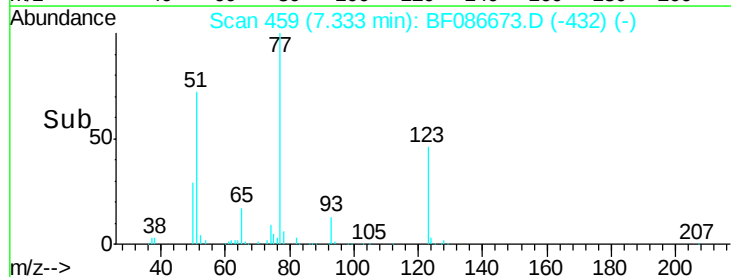
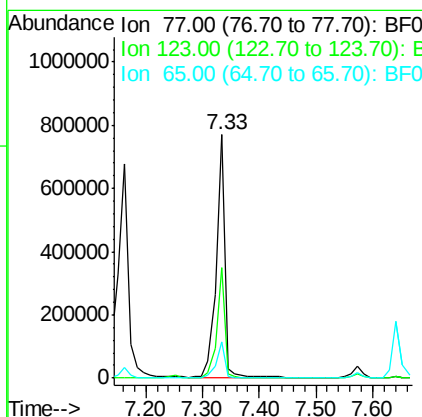
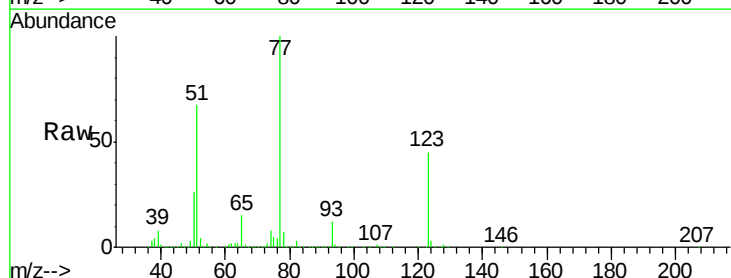
Instrument :  
BNA\_F  
ClientSampleId :

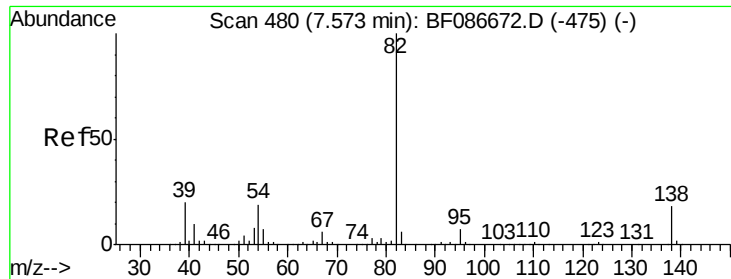
Tot Ion: 82 Resp: 135535  
Ion Ratio Lower Upper  
82 100  
128 39.9 40.6 61.0#  
54 70.0 38.1 57.1#



#24  
Nitrobenzene  
Concen: 56.00 ng  
RT: 7.33 min Scan# 459  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion: 77 Resp: 799443  
Ion Ratio Lower Upper  
77 100  
123 45.4 33.0 49.4  
65 14.9 10.8 16.2

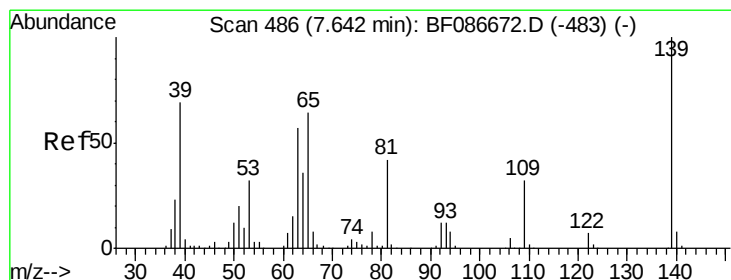
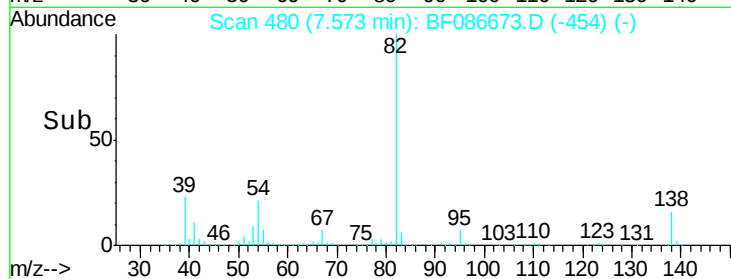
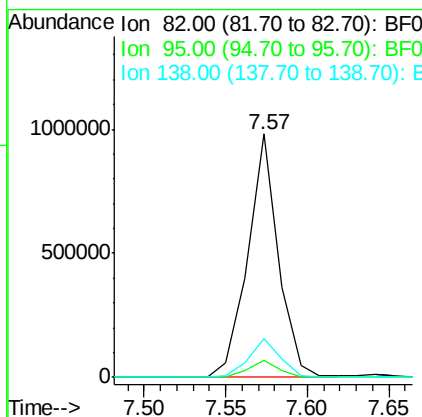
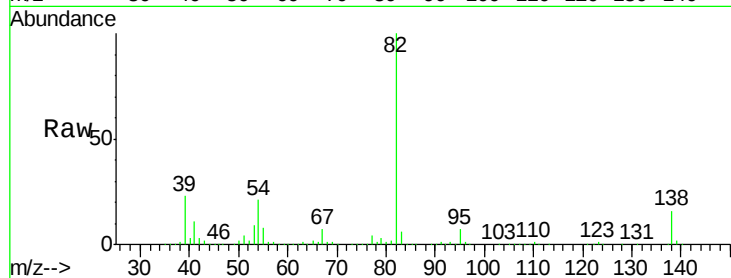




#25  
Isophorone  
Concen: 47.58 ng  
RT: 7.57 min Scan# 480  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

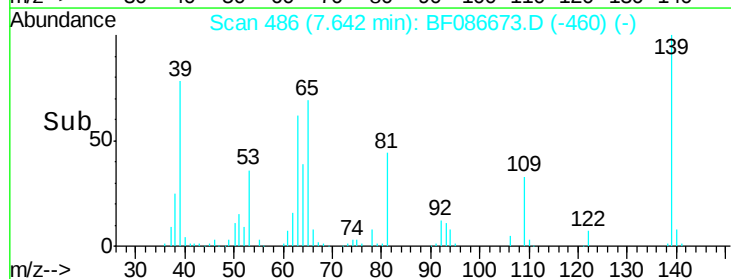
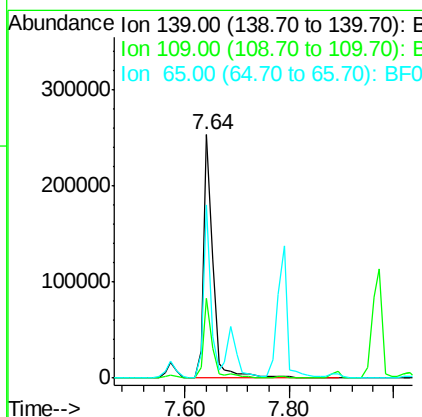
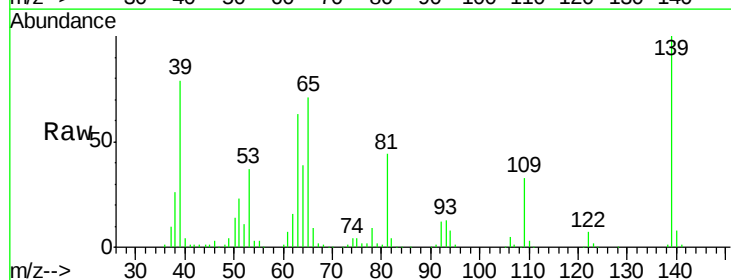
Instrument :  
BNA\_F  
ClientSampleId :

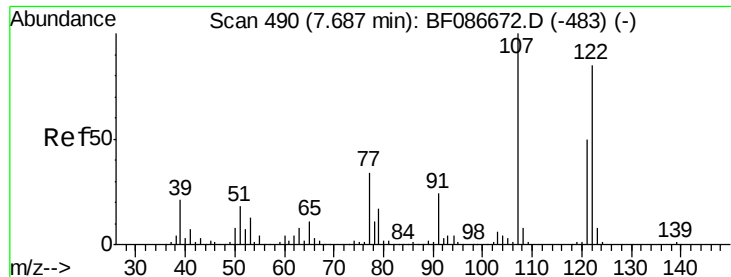
Tot Ion: 82 Resp: 1270636  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.1 7.7  
138 15.7 12.4 18.6



#26  
2-Nitrophenol  
Concen: 48.62 ng  
RT: 7.64 min Scan# 486  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion: 139 Resp: 319573  
Ion Ratio Lower Upper  
139 100  
109 33.0 19.5 29.3#  
65 71.1 37.5 56.3#





#27

2,4-Dimethylphenol

Concen: 47.70 ng

RT: 7.69 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampled :

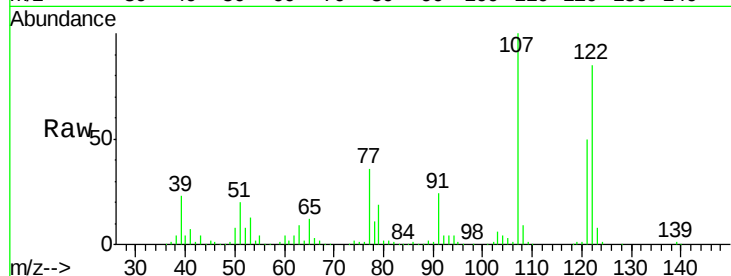
Tot Ion:122 Resp: 550052

Ion Ratio Lower Upper

122 100

107 118.0 82.0 123.0

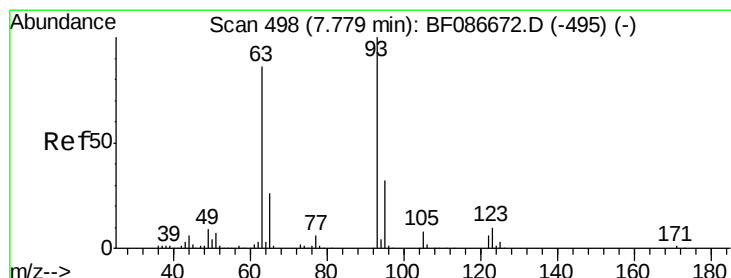
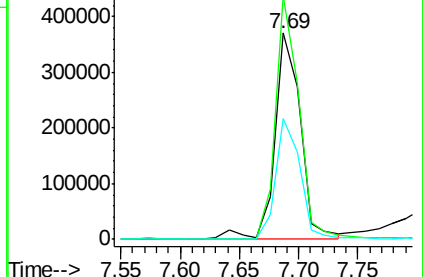
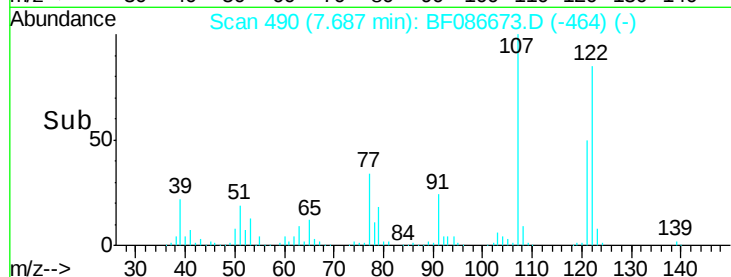
121 58.6 46.1 69.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 50.25 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

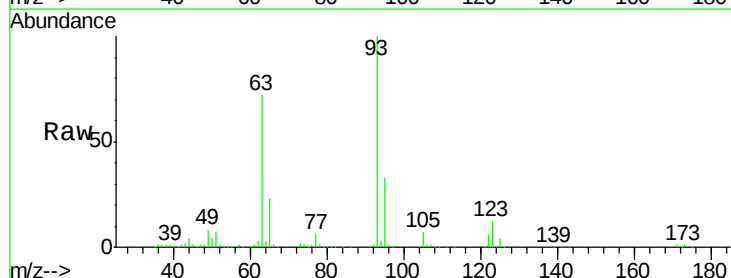
Tgt Ion: 93 Resp: 731170

Ion Ratio Lower Upper

93 100

95 33.1 26.0 39.0

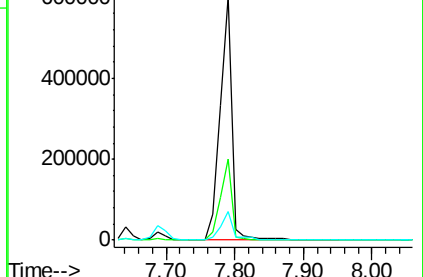
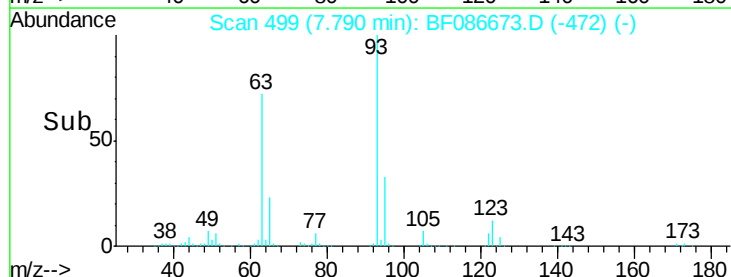
123 11.7 9.5 14.3

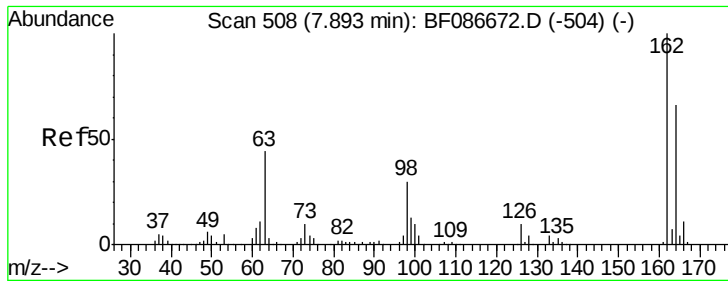


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

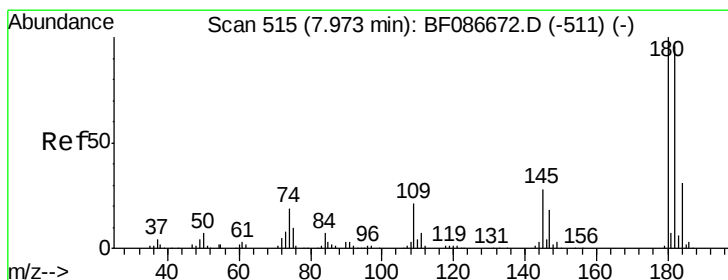
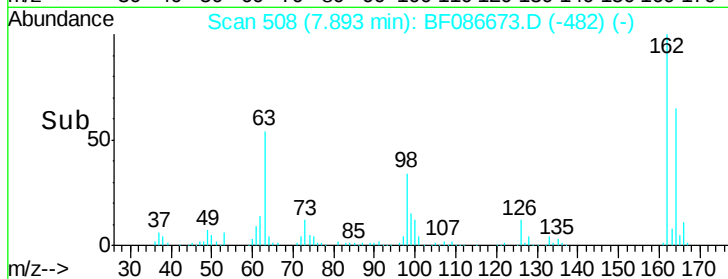
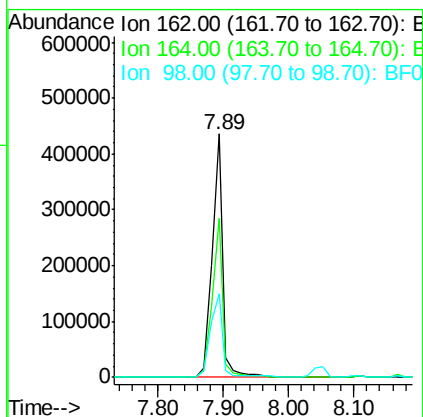
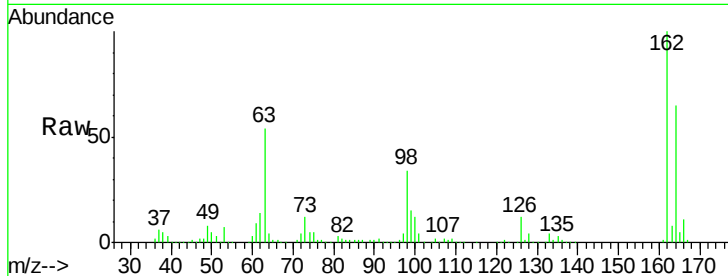




#29  
 2,4-Dichlorophenol  
 Concen: 51.66 ng  
 RT: 7.89 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

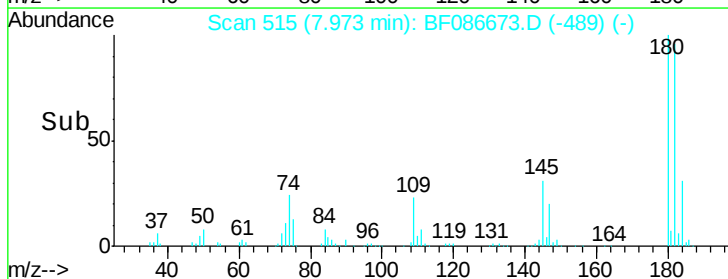
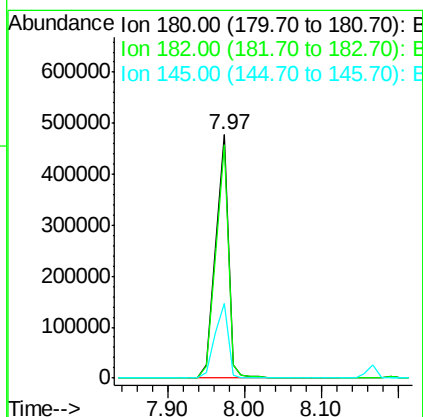
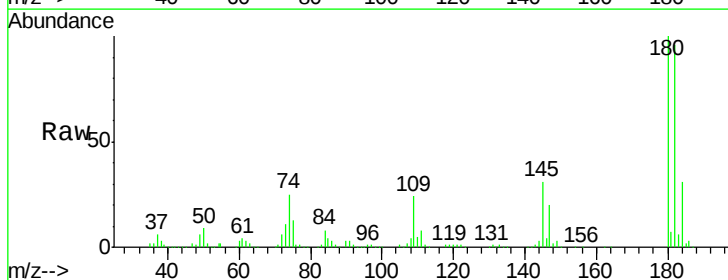
Instrument :  
 BNA\_F  
 ClientSampled :

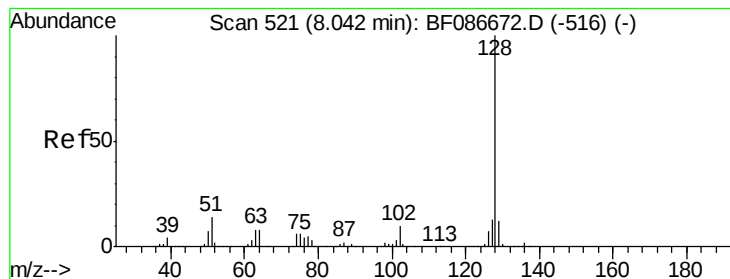
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.4  | 42.2  | 82.2  |
| 98      | 34.5  | 19.0  | 59.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 48.69 ng  
 RT: 7.97 min Scan# 515  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.1  | 78.0  | 117.0 |
| 145     | 30.7  | 24.2  | 36.2  |





#31

Naphthalene

Concen: 46.30 ng

RT: 8.05 min Scan# 522

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

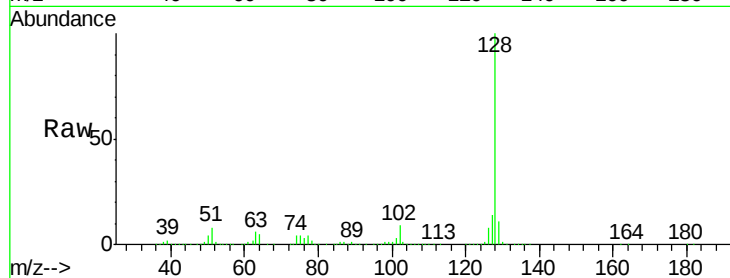
Tot Ion:128 Resp: 1762284

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

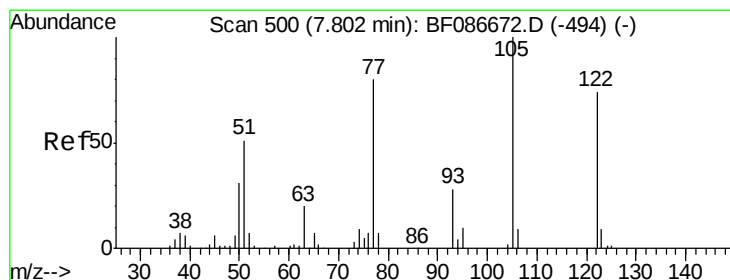
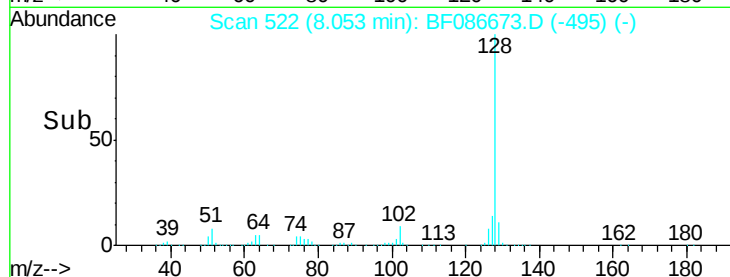
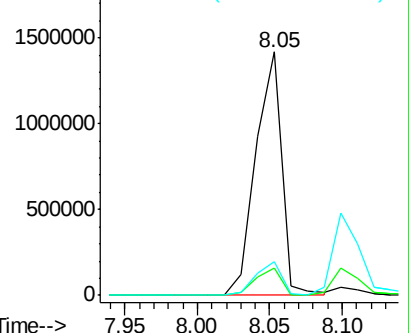
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 38.59 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.02 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

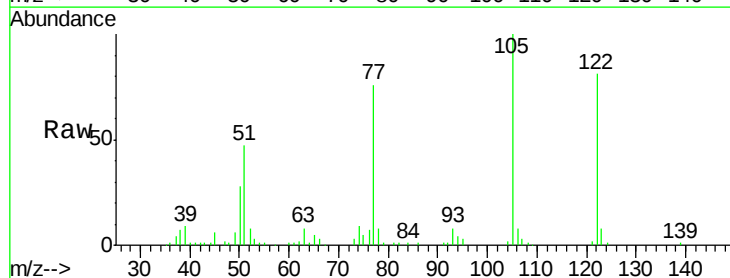
Tgt Ion:122 Resp: 230787

Ion Ratio Lower Upper

122 100

105 124.2 92.6 132.6

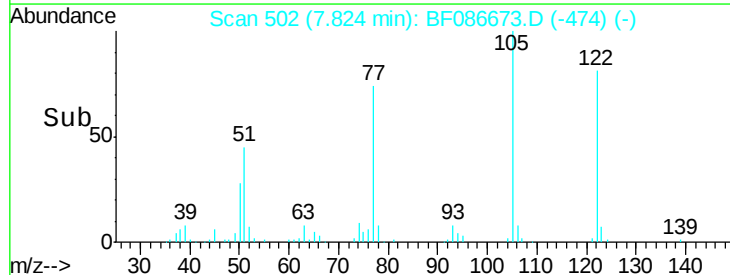
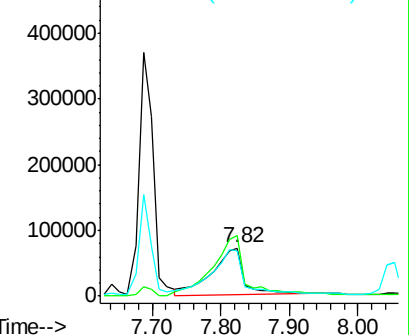
77 94.2 60.0 100.0

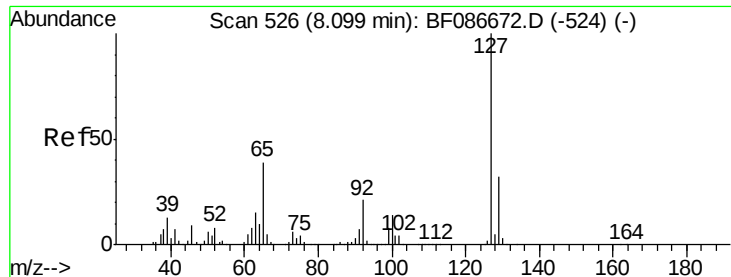


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

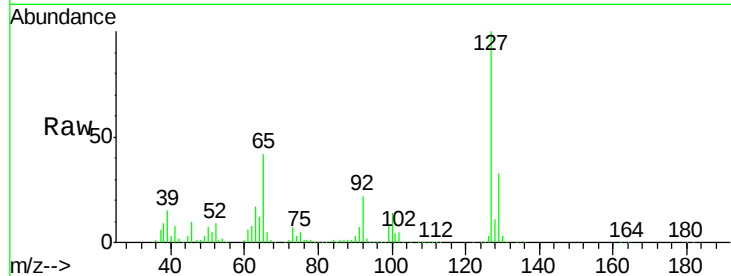




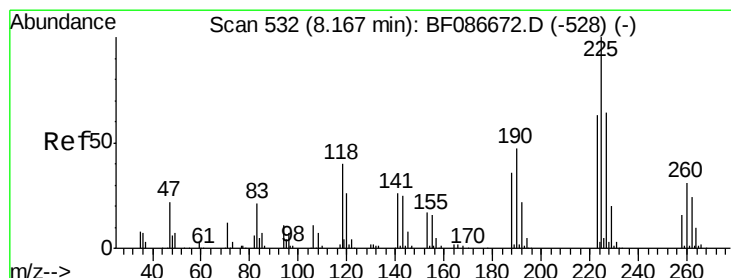
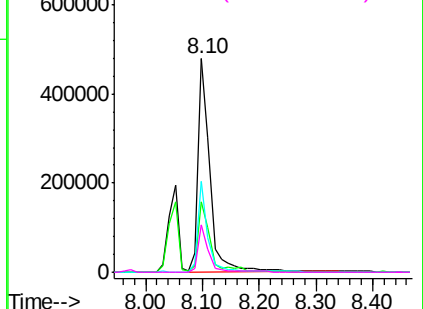
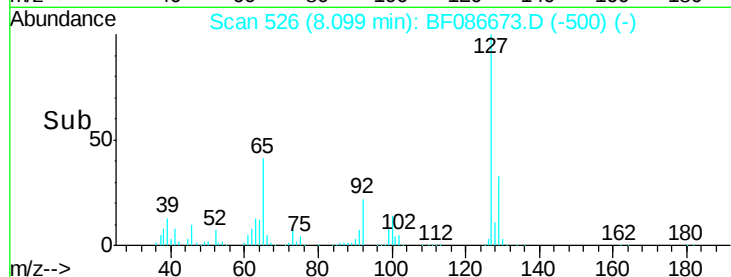
#33  
4-Chloroaniline  
Concen: 48.13 ng  
RT: 8.10 min Scan# 526  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 686007 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.7  | 26.2  | 39.4   |
| 65       | 42.4  | 23.0  | 34.4   |
| 92       | 22.2  | 15.1  | 22.7   |

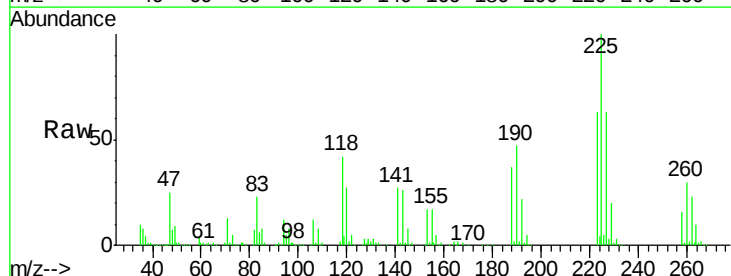


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

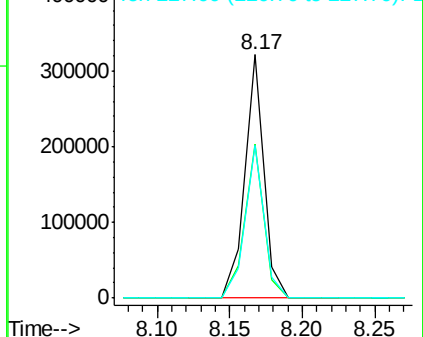
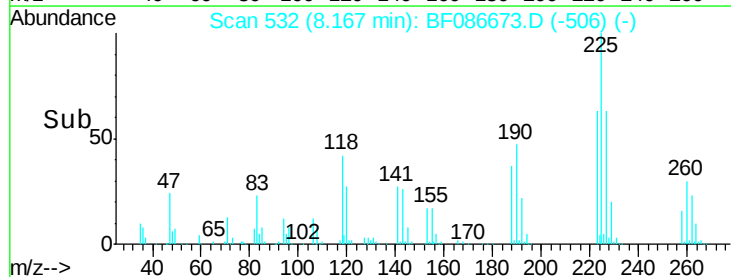


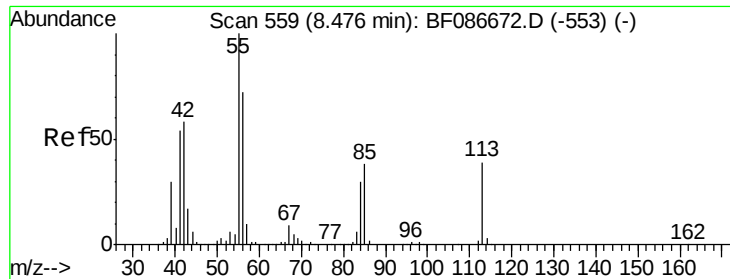
#34  
Hexachlorobutadiene  
Concen: 46.57 ng  
RT: 8.17 min Scan# 532  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 294688 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.3  | 51.5  | 77.3   |
| 227      | 62.7  | 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: 45.42 ng

RT: 8.49 min Scan# 560

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

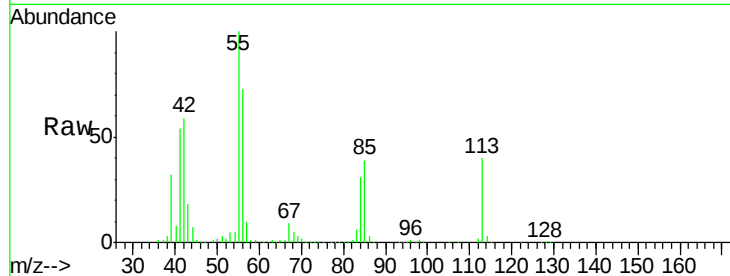
Tot Ion:113 Resp: 147425

Ion Ratio Lower Upper

113 100

55 247.5 162.0 202.0#

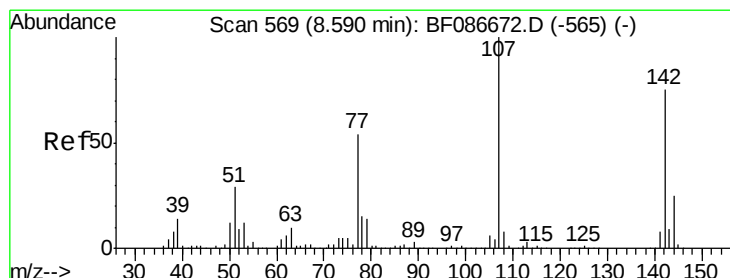
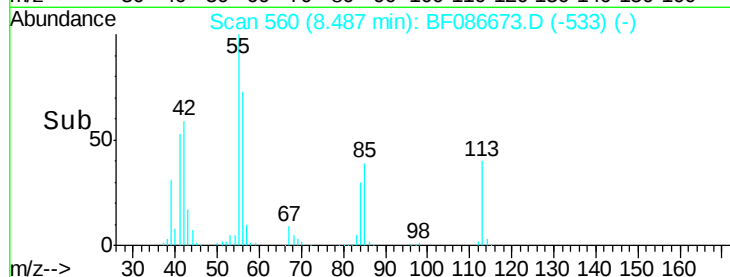
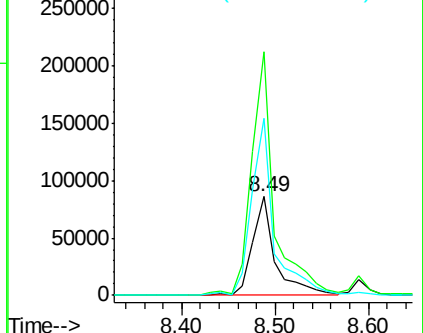
56 180.0 115.3 155.3#



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: 46.80 ng

RT: 8.59 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

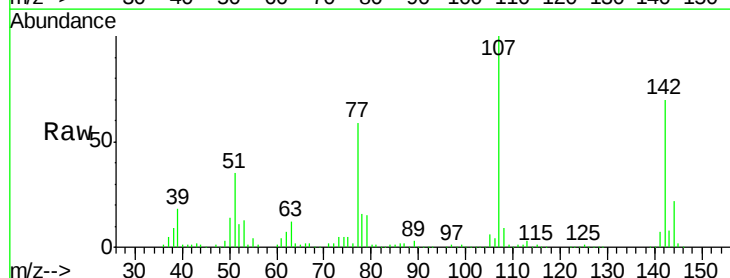
Tgt Ion:107 Resp: 521364

Ion Ratio Lower Upper

107 100

144 22.1 20.7 31.1

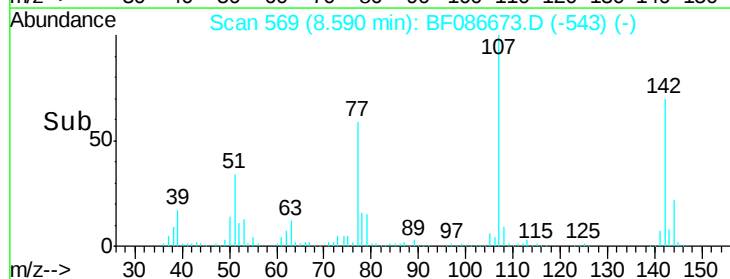
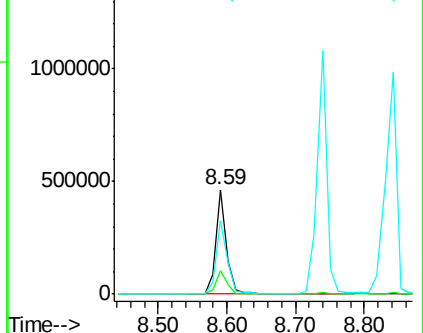
142 69.7 63.2 94.8

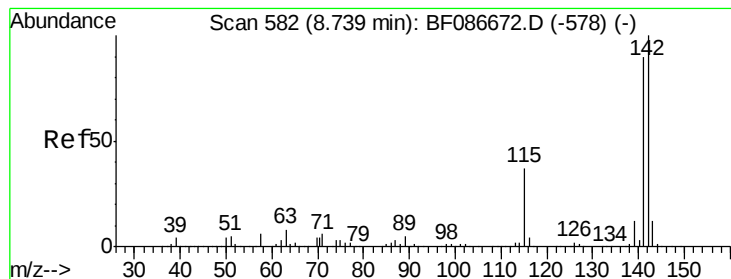


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.71 ng

RT: 8.74 min Scan# 582

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

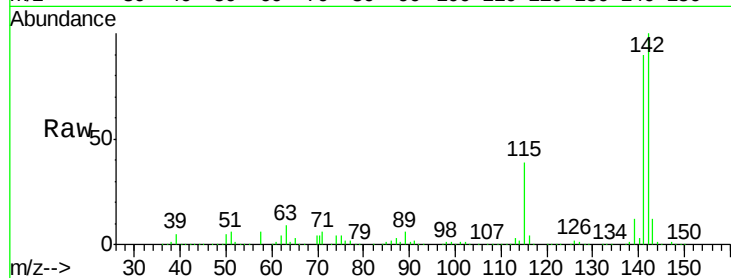
Tot Ion:142 Resp: 1026575

Ion Ratio Lower Upper

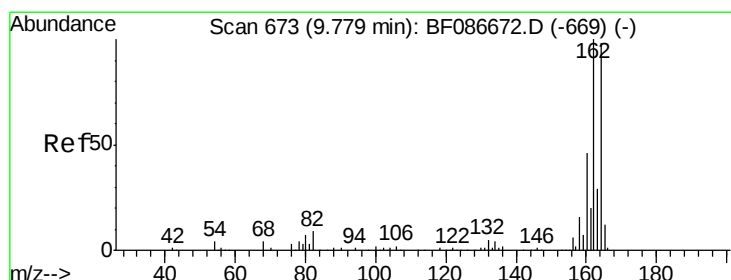
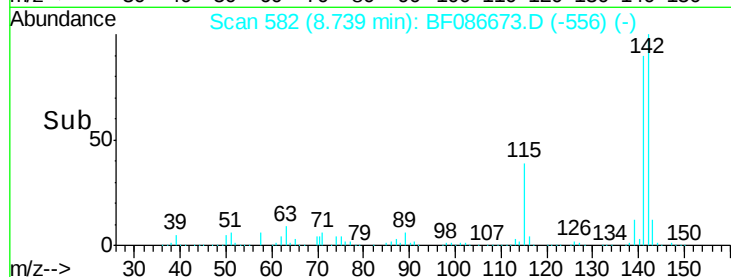
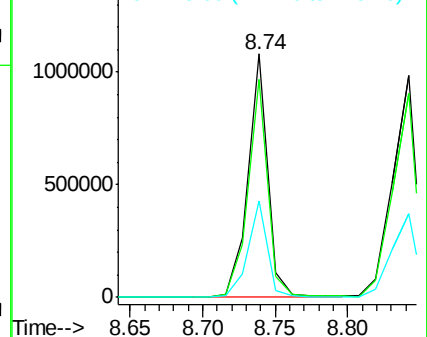
142 100

141 89.6 71.0 106.6

115 39.4 26.6 39.8



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: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

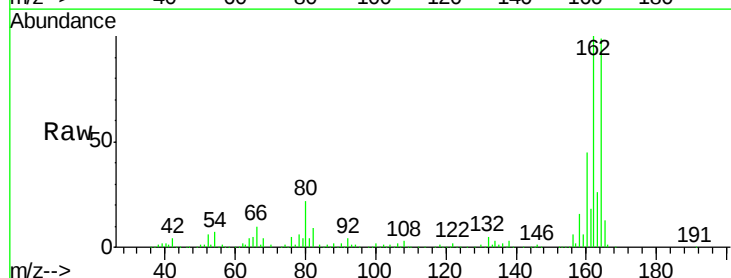
Tgt Ion:164 Resp: 353531

Ion Ratio Lower Upper

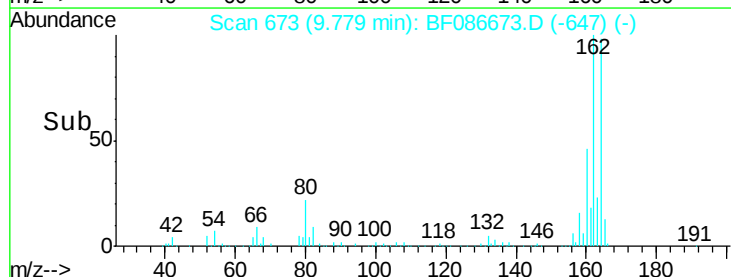
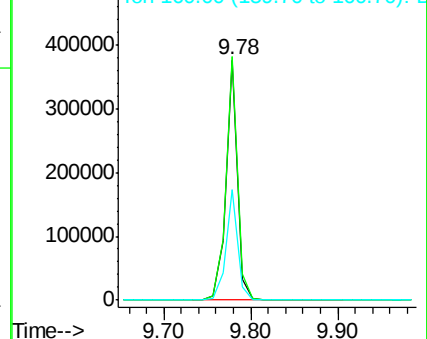
164 100

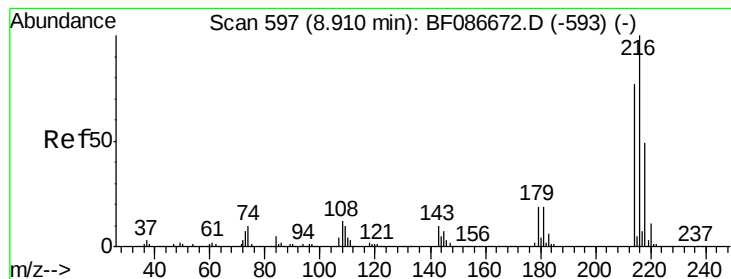
162 101.5 82.8 124.2

160 46.2 36.9 55.3



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: 49.17 ng

RT: 8.91 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:216 Resp: 497564

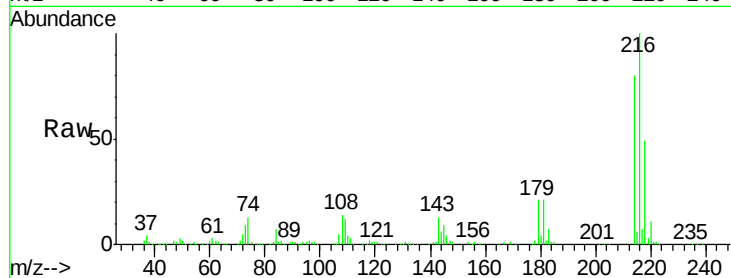
Ion Ratio Lower Upper

216 100

214 79.6 62.6 93.8

179 23.3 18.2 27.4

108 21.9 17.5 26.3

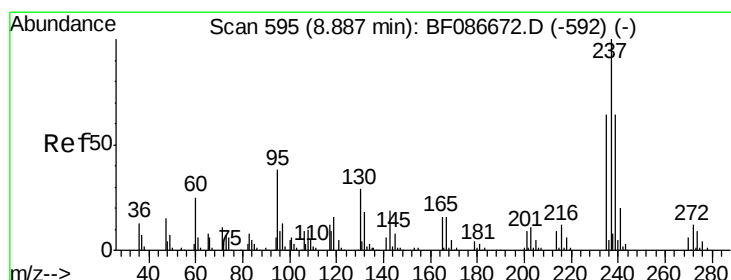
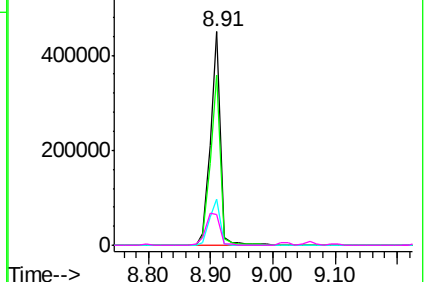
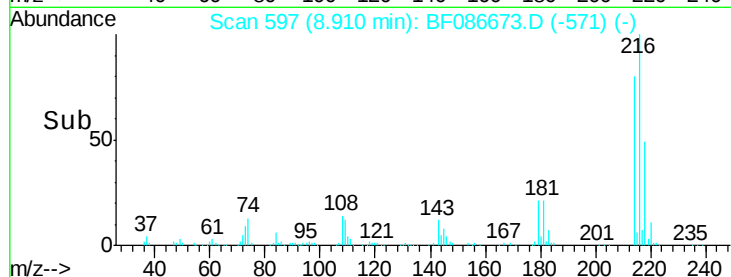


Abundance Ion 216.00 (215.70 to 216.70): E

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: 42.73 ng

RT: 8.89 min Scan# 595

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

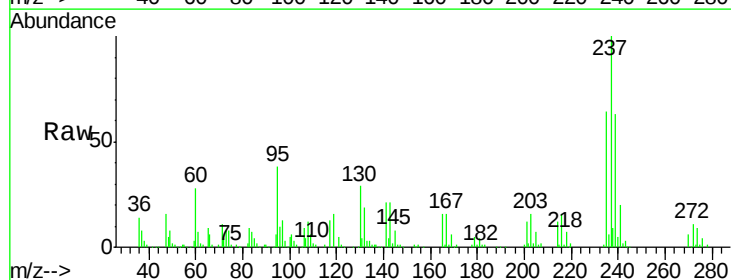
Tgt Ion:237 Resp: 214860

Ion Ratio Lower Upper

237 100

235 64.2 47.2 87.2

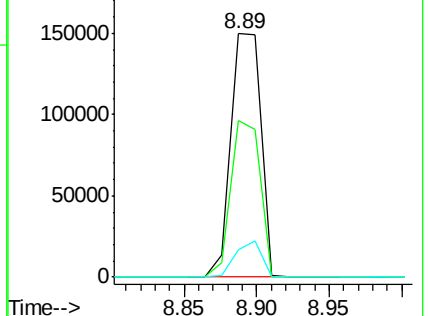
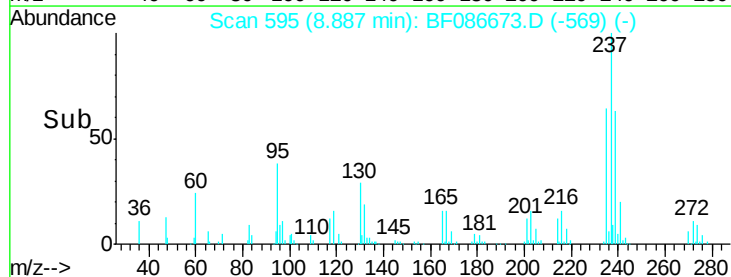
272 11.5 0.0 31.1

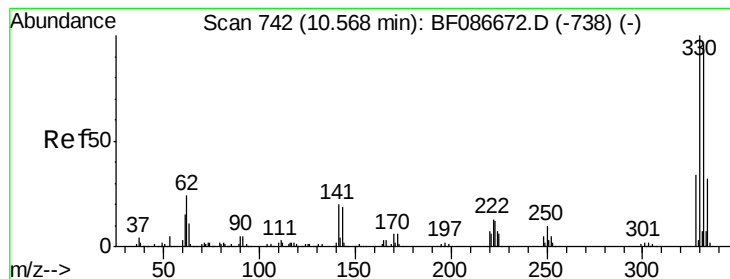


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 92.05 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

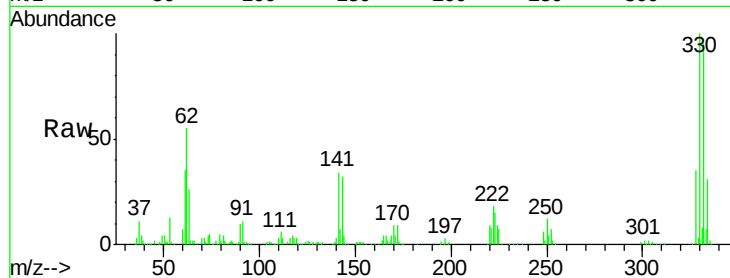
Tot Ion:330 Resp: 343169

Ion Ratio Lower Upper

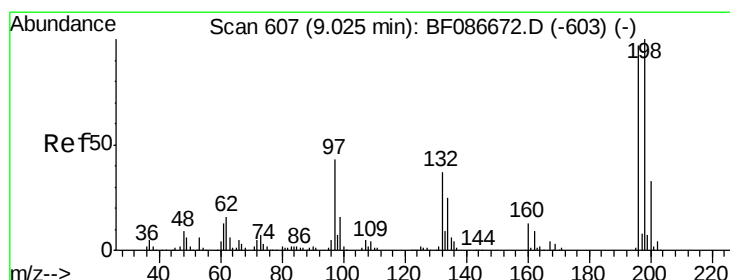
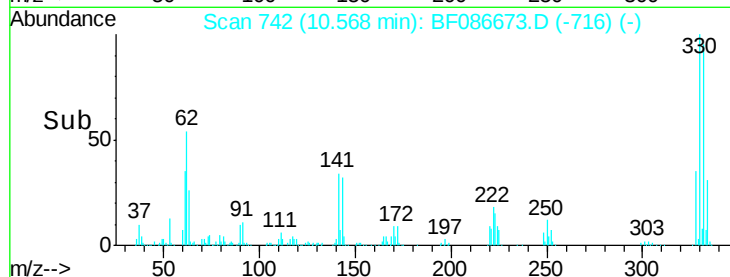
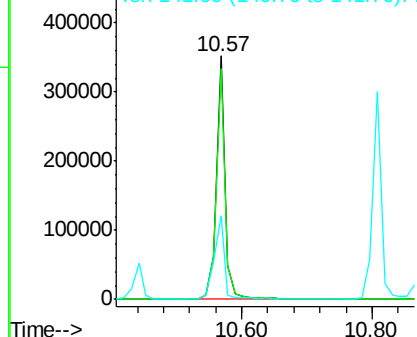
330 100

332 96.0 79.0 118.4

141 38.2 31.2 46.8



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



#42

2,4,6-Trichlorophenol

Concen: 50.99 ng

RT: 9.02 min Scan# 607

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

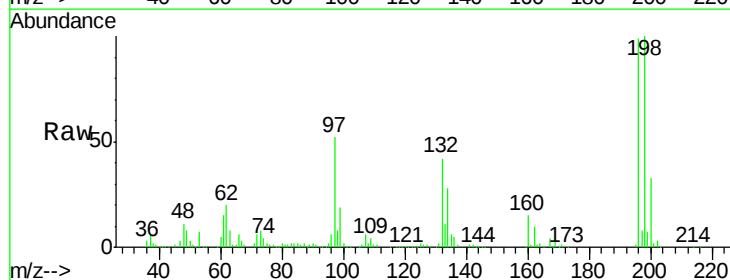
Tgt Ion:196 Resp: 326150

Ion Ratio Lower Upper

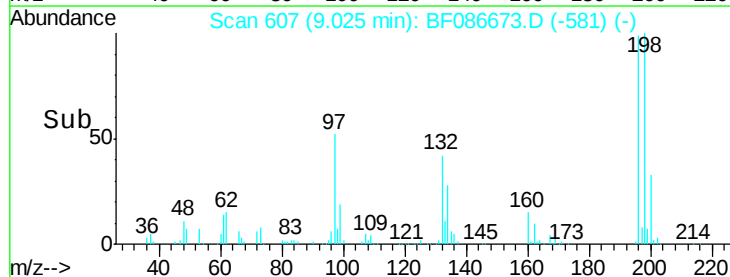
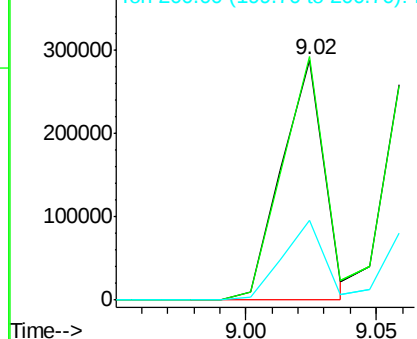
196 100

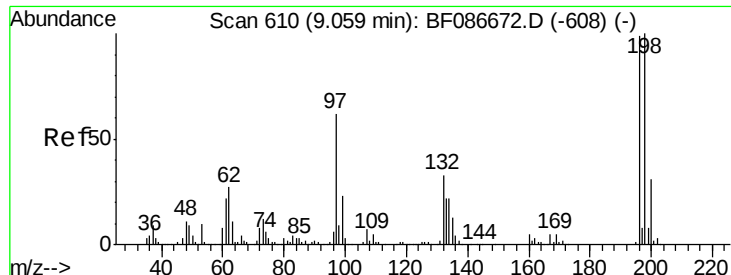
198 101.5 74.7 112.1

200 33.2 23.8 35.6



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

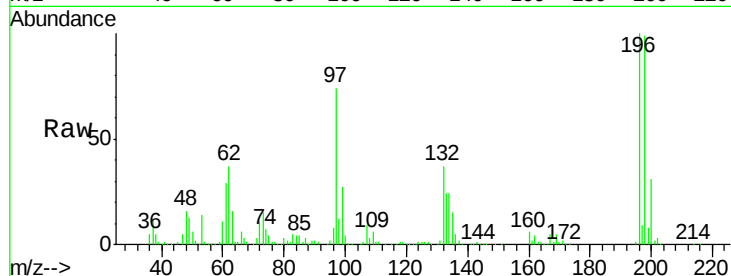




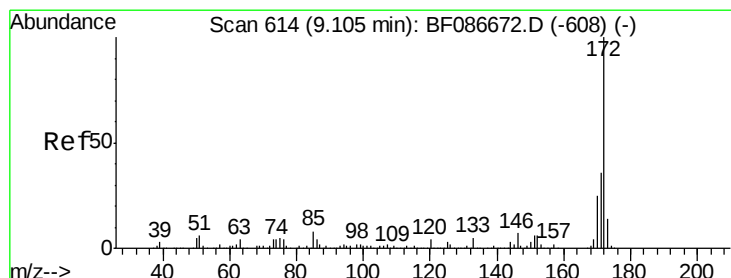
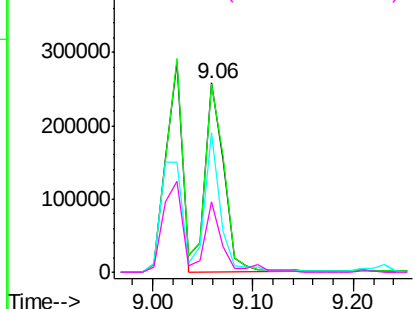
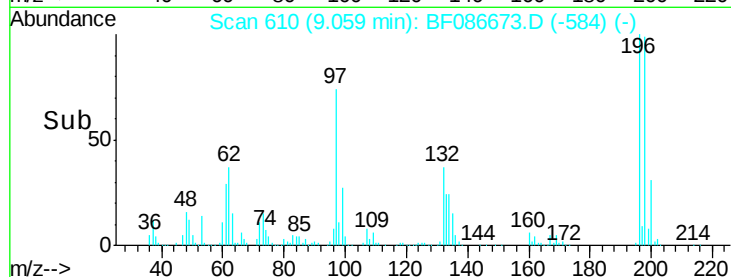
#43  
2,4,5-Trichlorophenol  
Concen: 48.05 ng  
RT: 9.06 min Scan# 610  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:196 Resp: 335038  
Ion Ratio Lower Upper  
196 100  
198 99.2 77.5 116.3  
97 73.8 34.8 52.2#  
132 37.0 23.0 34.4#

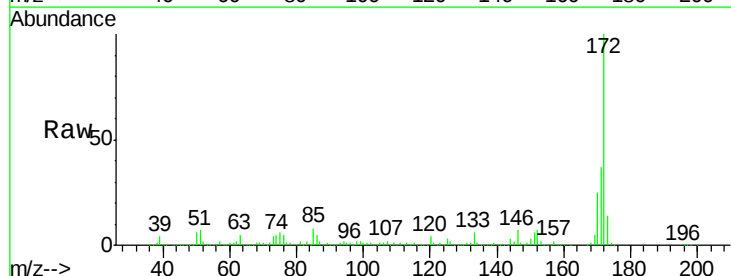


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BF0  
Ion 132.00 (131.70 to 132.70): E

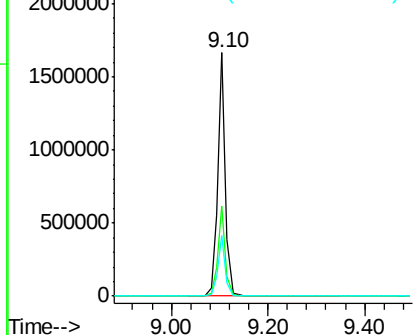
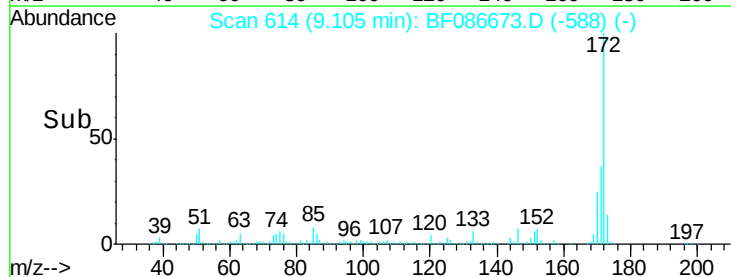


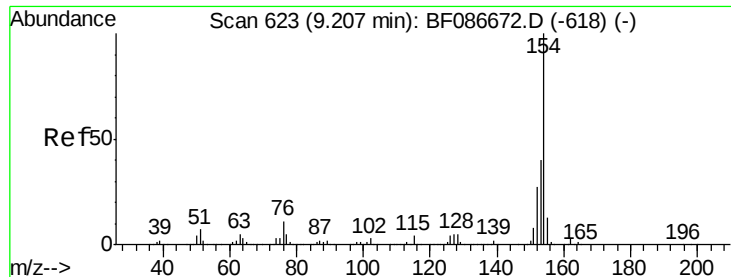
#44  
2-Fluorobiphenyl  
Concen: 90.13 ng  
RT: 9.10 min Scan# 614  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:172 Resp: 1882690  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.0 43.6  
170 25.1 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 47.16 ng

RT: 9.21 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

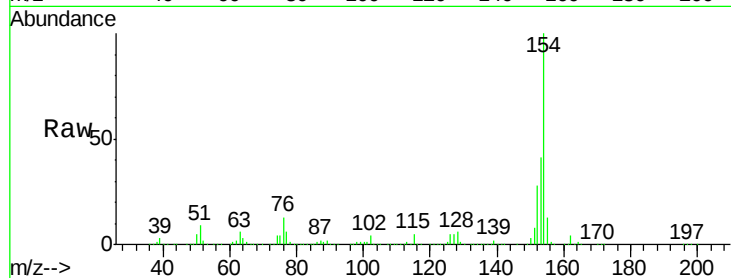
Tot Ion:154 Resp: 1393695

Ion Ratio Lower Upper

154 100

153 41.4 20.3 60.3

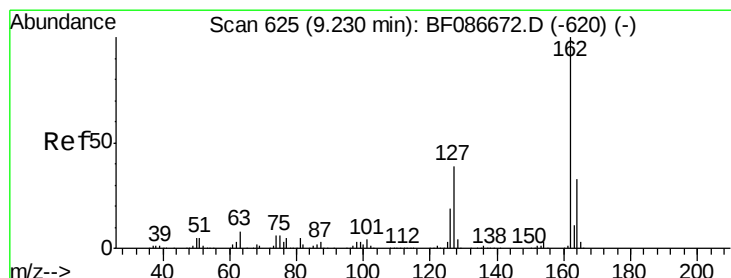
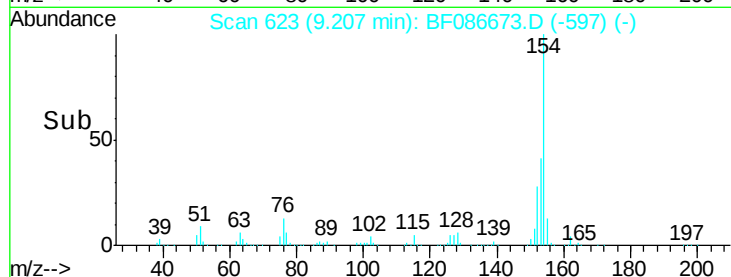
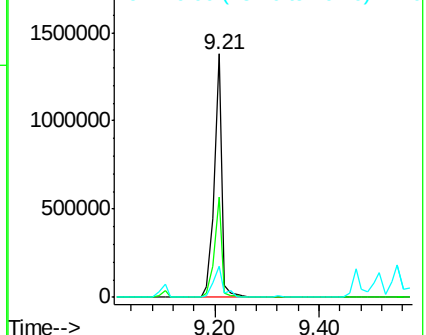
76 12.8 0.0 30.2



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: 47.65 ng

RT: 9.23 min Scan# 625

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

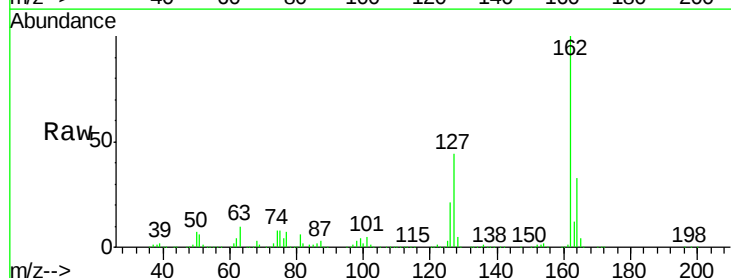
Tgt Ion:162 Resp: 1070706

Ion Ratio Lower Upper

162 100

127 43.6 31.8 47.6

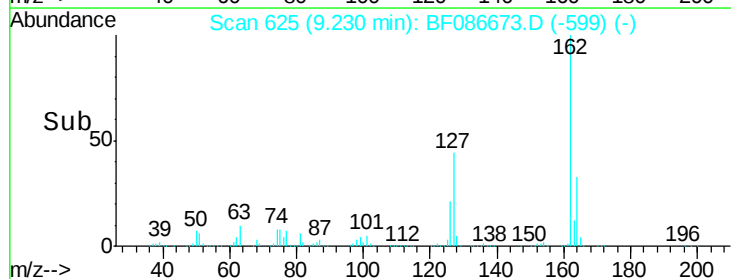
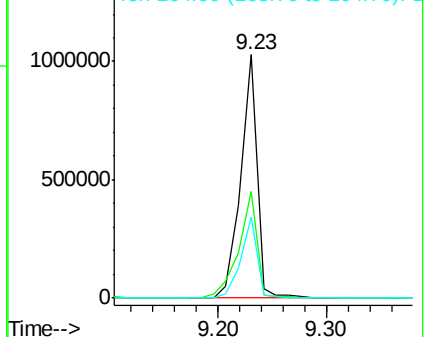
164 33.1 27.0 40.6

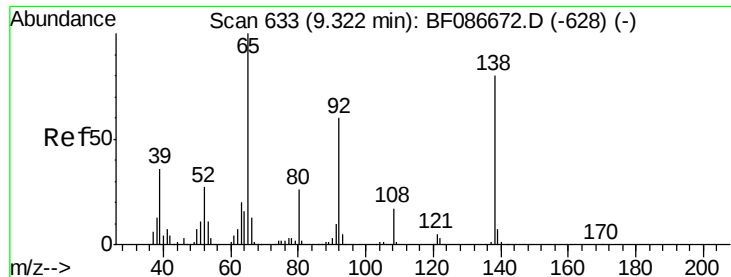


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

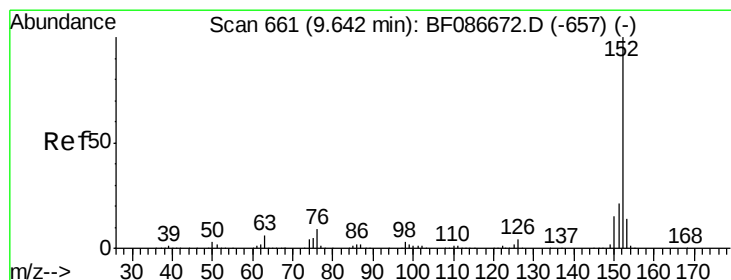
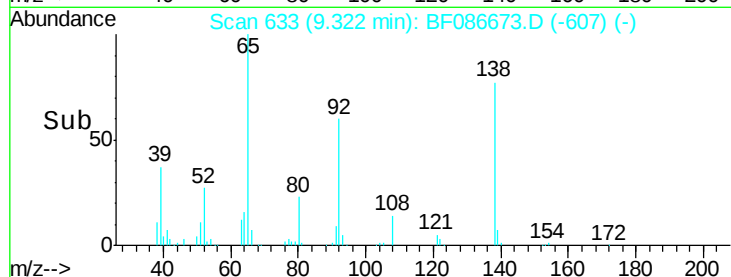
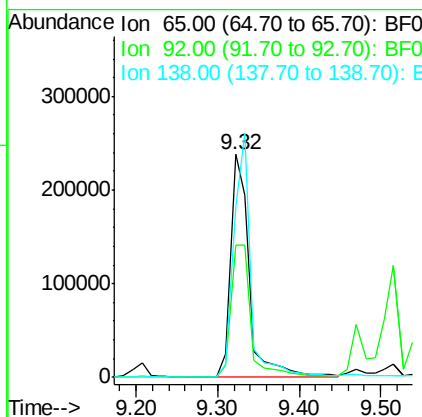
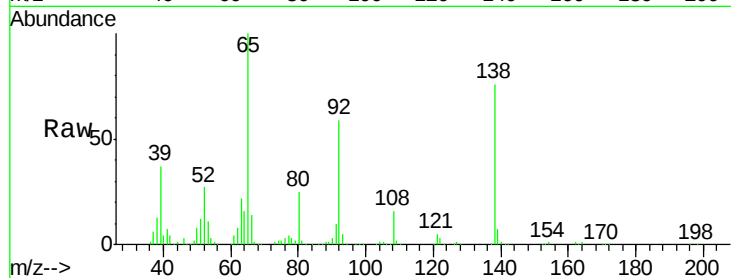




#47  
2-Nitroaniline  
Concen: 52.59 ng  
RT: 9.32 min Scan# 633  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

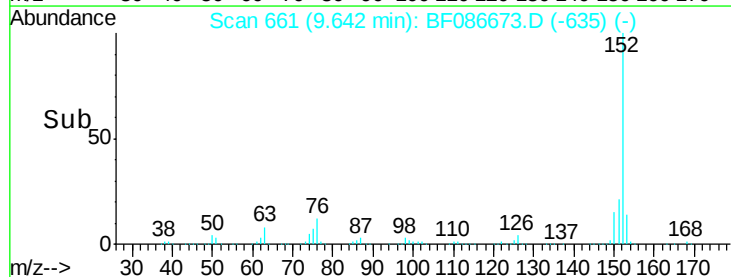
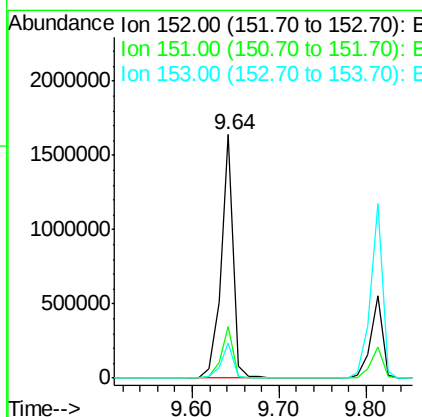
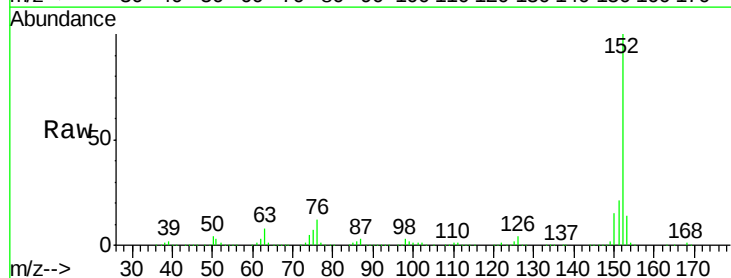
Instrument :  
BNA\_F  
ClientSampleId :

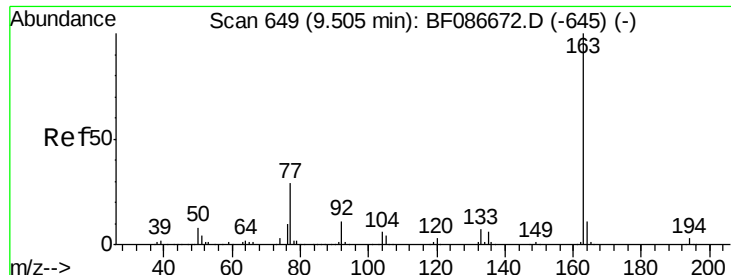
Tot Ion: 65 Resp: 378902  
Ion Ratio Lower Upper  
65 100  
92 59.4 57.4 86.2  
138 76.3 90.1 135.1#



#48  
Acenaphthylene  
Concen: 45.67 ng  
RT: 9.64 min Scan# 661  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:152 Resp: 1603960  
Ion Ratio Lower Upper  
152 100  
151 21.3 16.8 25.2  
153 14.4 10.9 16.3

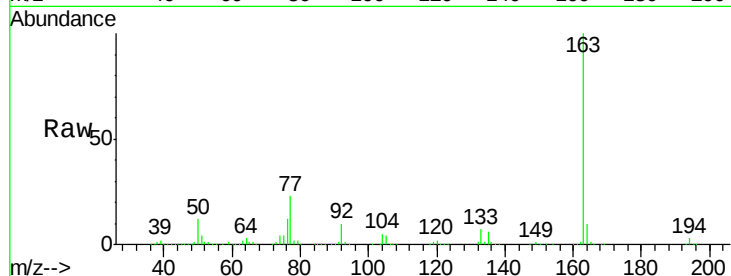




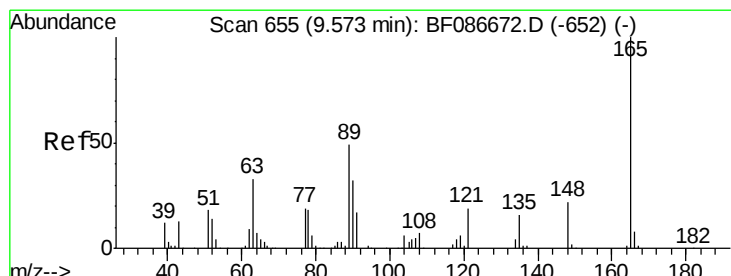
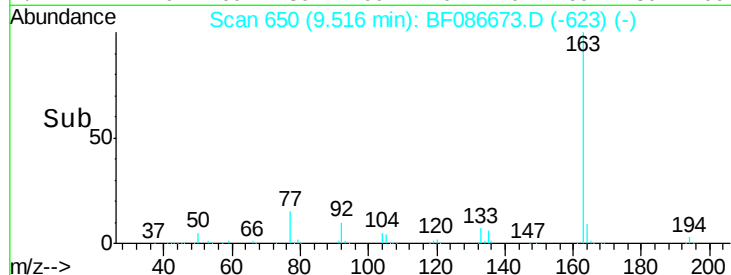
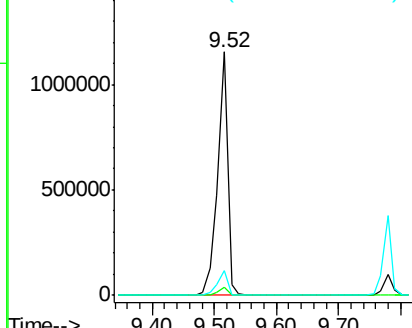
#49  
Dimethylphthalate  
Concen: 47.53 ng  
RT: 9.52 min Scan# 650  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 1265005  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 10.2 8.2 12.4

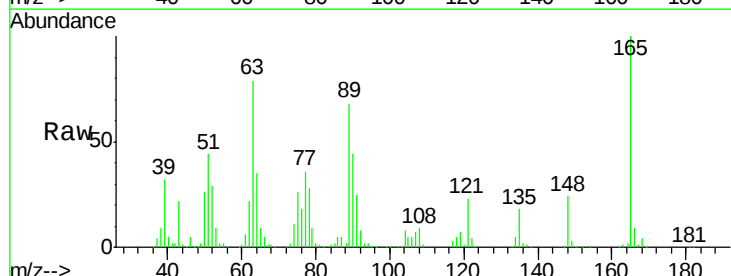


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

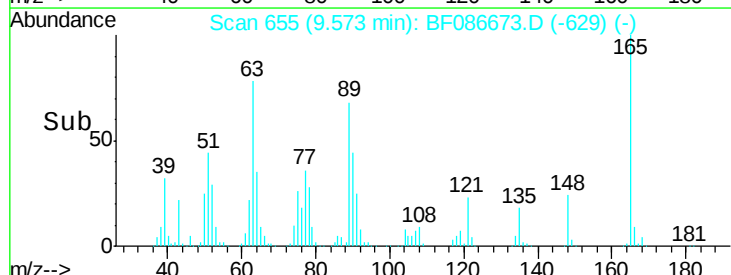
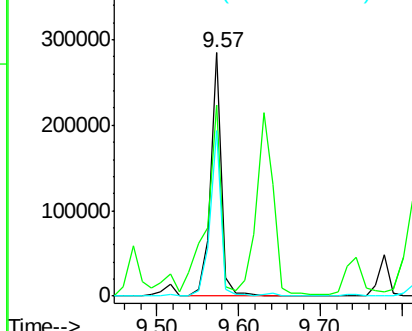


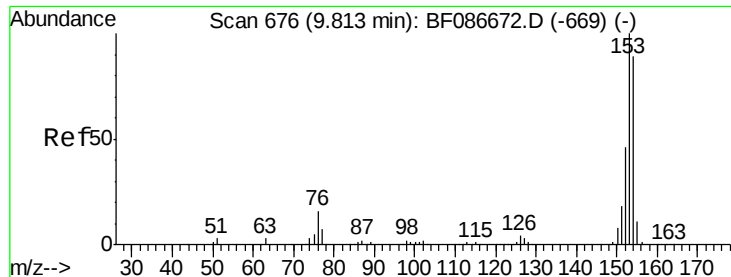
#50  
2,6-Dinitrotoluene  
Concen: 48.87 ng  
RT: 9.57 min Scan# 655  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:165 Resp: 268701  
Ion Ratio Lower Upper  
165 100  
63 78.5 51.8 77.8#  
89 68.0 50.7 76.1



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





#51

Acenaphthene

Concen: 43.59 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

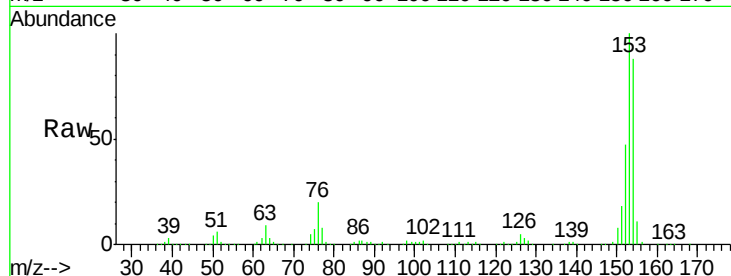
Tot Ion:154 Resp: 983204

Ion Ratio Lower Upper

154 100

153 113.4 89.8 134.6

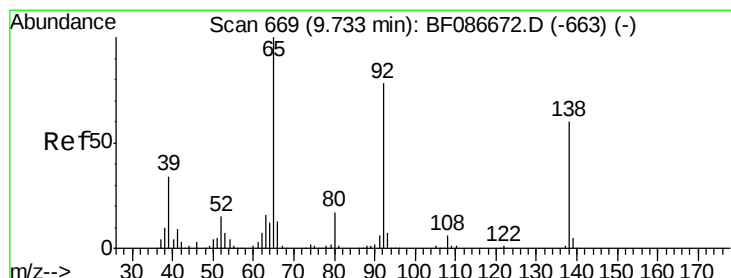
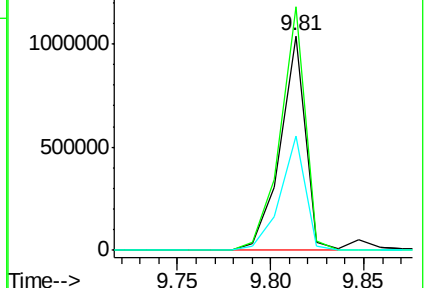
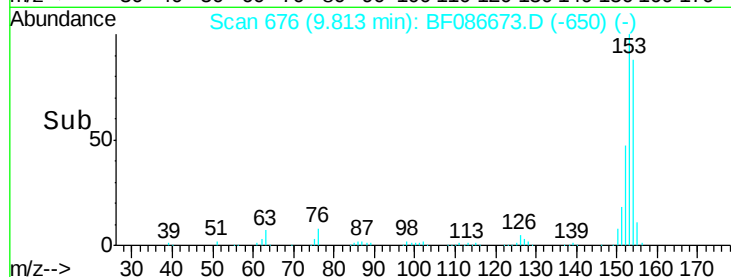
152 53.4 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 51.43 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

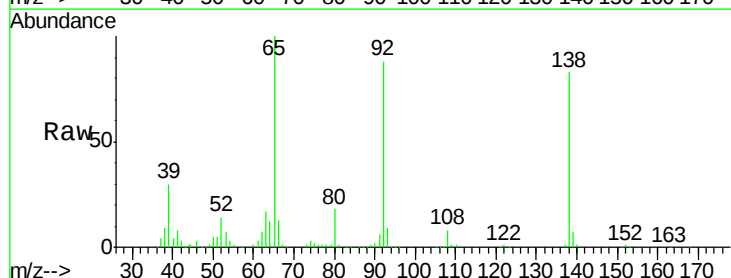
Tgt Ion:138 Resp: 321617

Ion Ratio Lower Upper

138 100

108 9.6 7.8 11.6

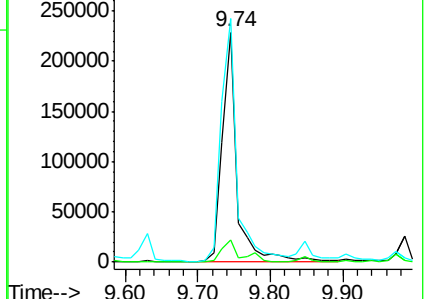
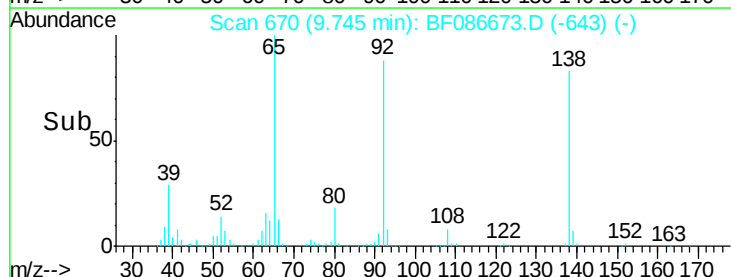
92 105.8 87.8 131.8

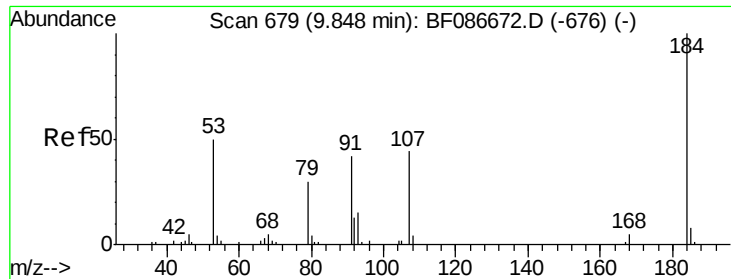


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

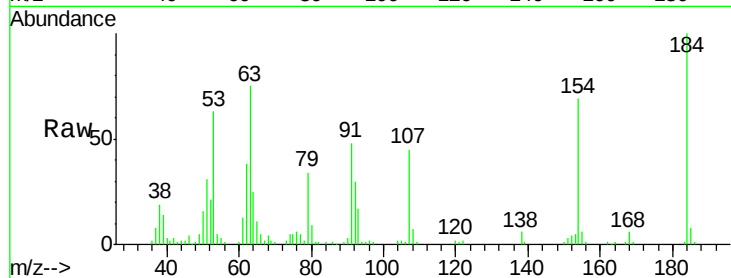




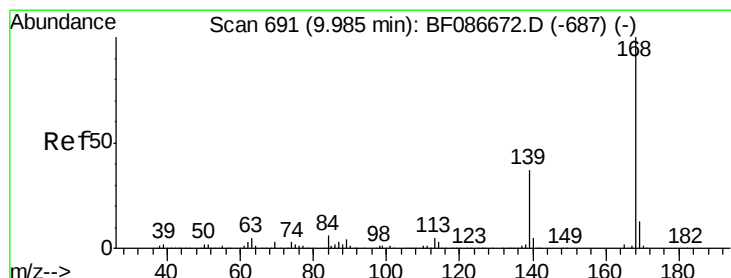
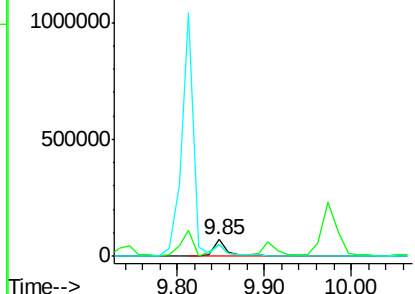
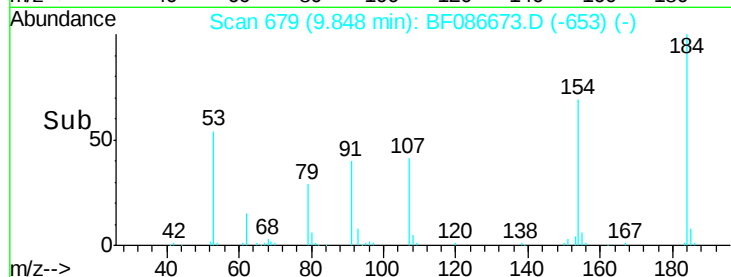
#53  
 2,4-Dinitrophenol  
 Concen: 35.56 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:184 Resp: 87446  
 Ion Ratio Lower Upper  
 184 100  
 63 75.5 55.8 83.8  
 154 69.5 62.4 93.6

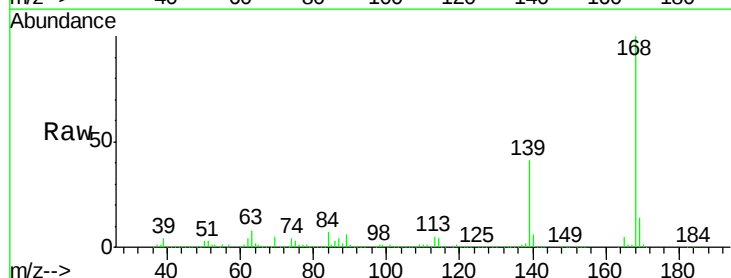


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

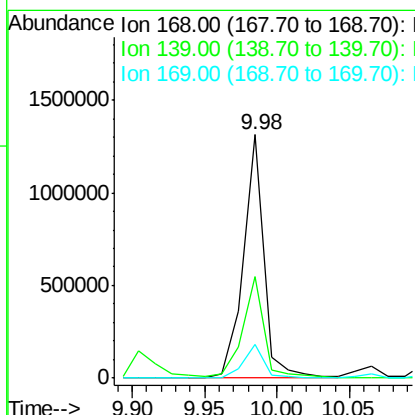
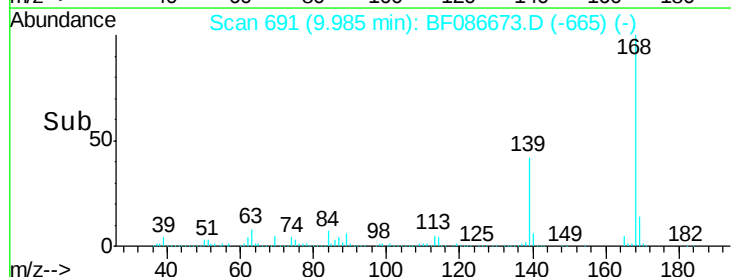


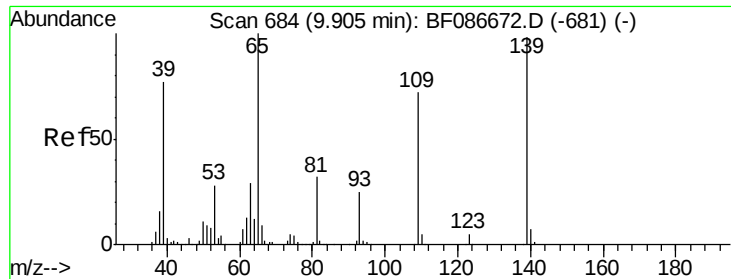
#54  
 Dibenzofuran  
 Concen: 46.09 ng  
 RT: 9.98 min Scan# 691  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Tgt Ion:168 Resp: 1299482  
 Ion Ratio Lower Upper  
 168 100  
 139 41.5 31.4 47.0  
 169 13.8 10.7 16.1



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: 47.56 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

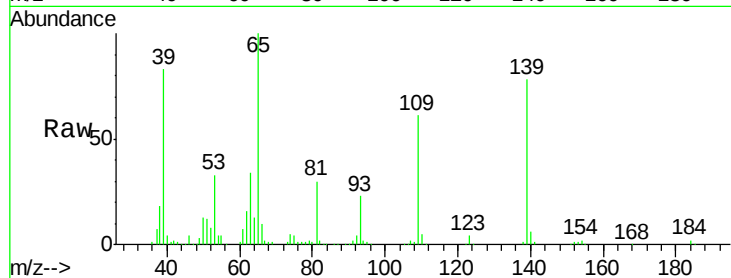
Tot Ion:139 Resp: 194748

Ion Ratio Lower Upper

139 100

109 79.0 36.9 76.9#

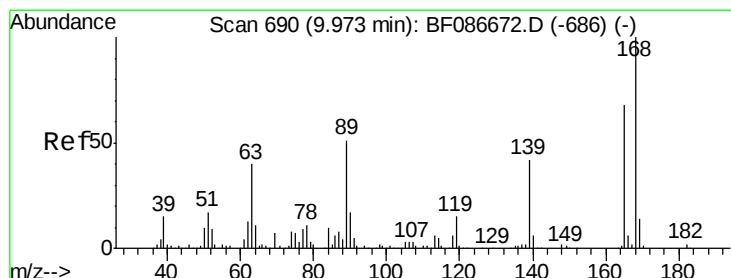
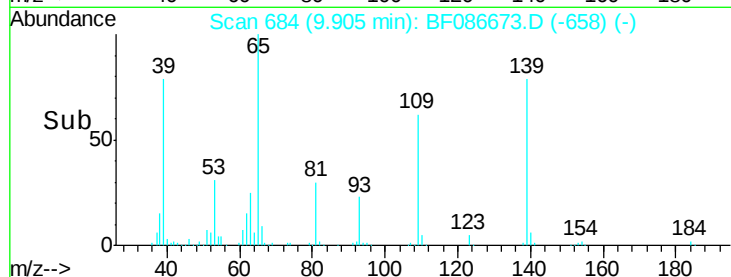
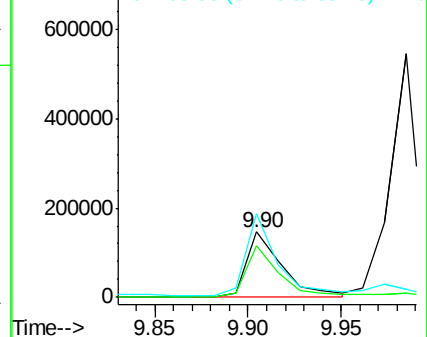
65 128.4 64.0 104.0#



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: 46.21 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Tgt Ion:165 Resp: 323884

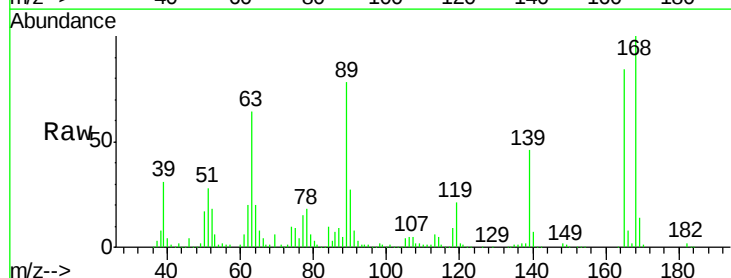
Ion Ratio Lower Upper

165 100

63 76.4 44.3 66.5#

89 93.6 70.0 105.0

182 2.3 1.8 2.6

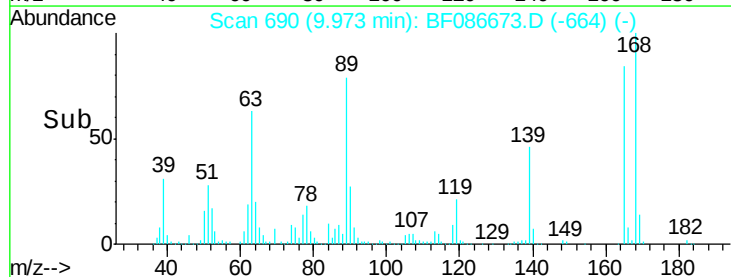
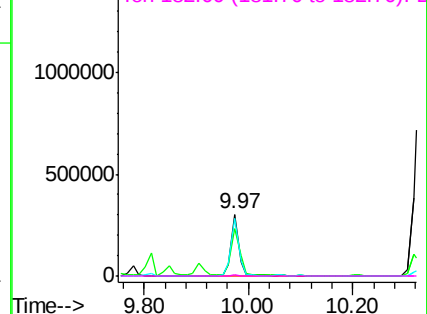


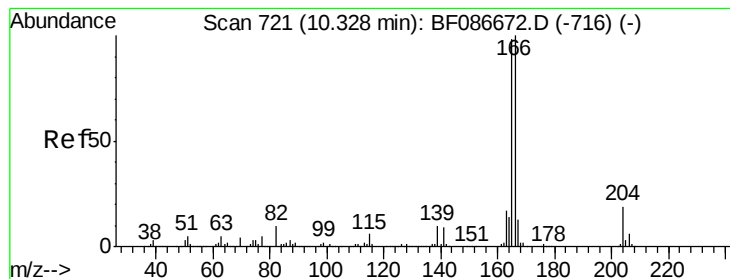
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 45.04 ng

RT: 10.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

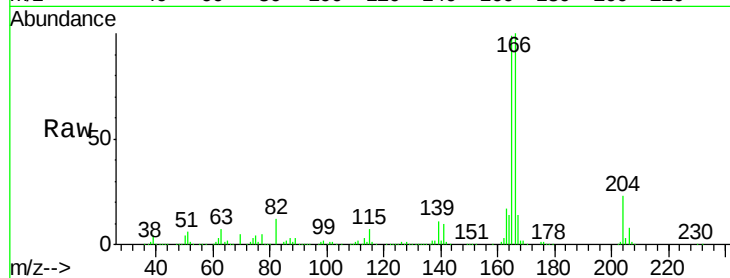
Tot Ion:166 Resp: 1102457

Ion Ratio Lower Upper

166 100

165 99.4 79.0 118.6

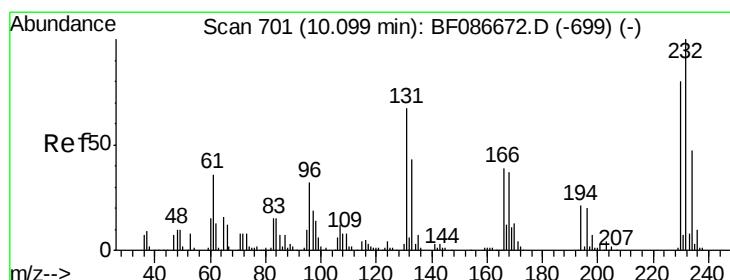
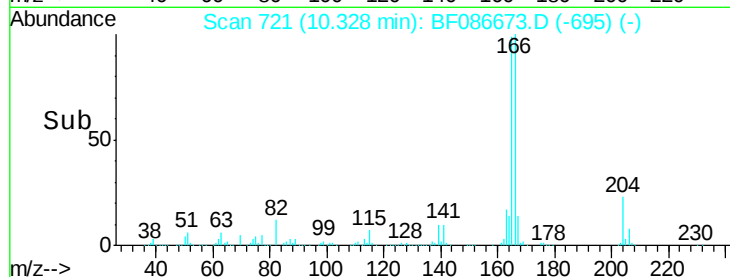
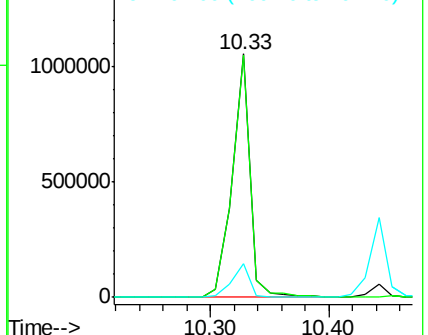
167 13.6 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.93 ng

RT: 10.10 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Tgt Ion:232 Resp: 239483

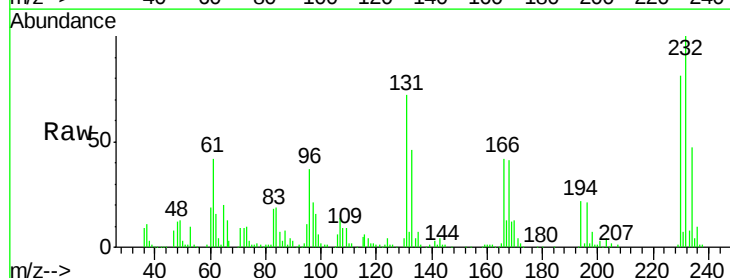
Ion Ratio Lower Upper

232 100

131 54.4 41.9 62.9

130 2.9 2.2 3.4

166 33.1 26.8 40.2

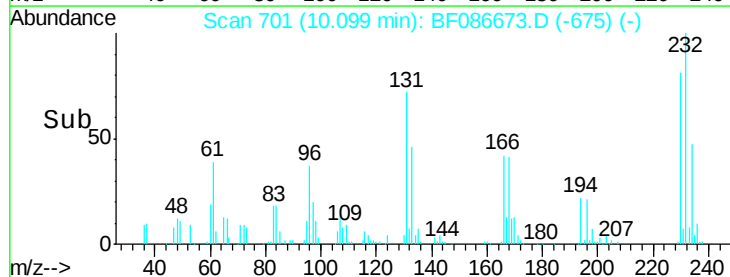
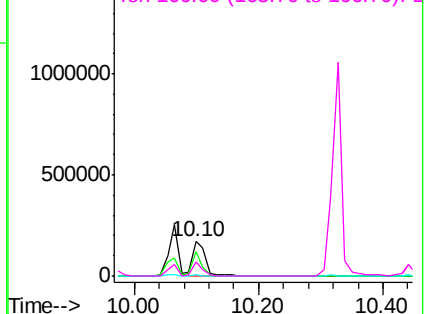


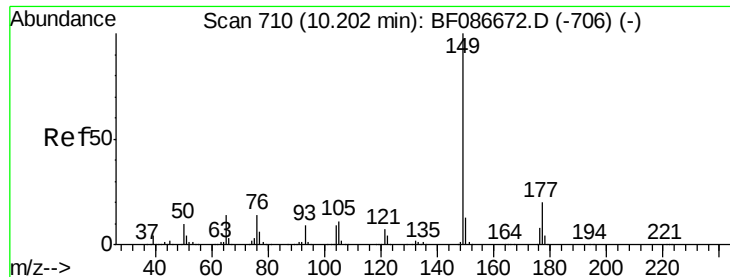
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

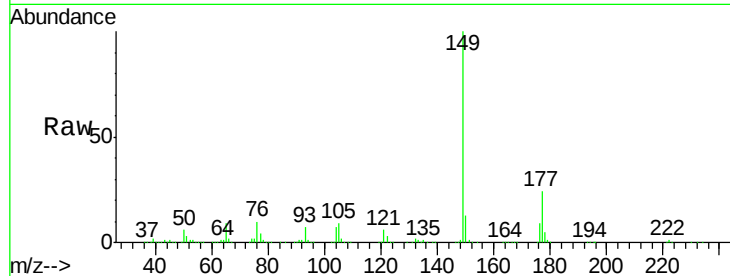




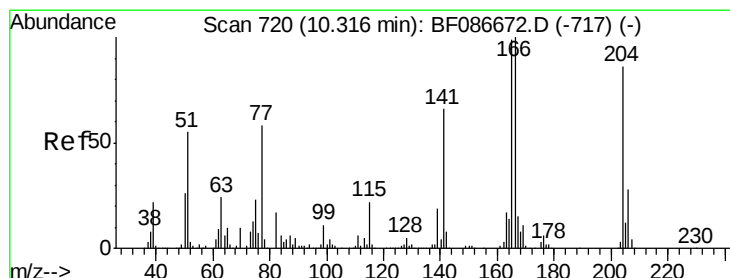
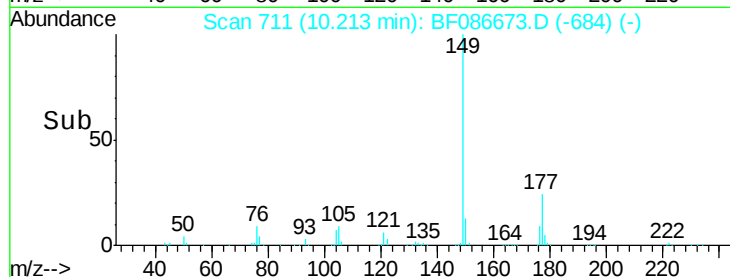
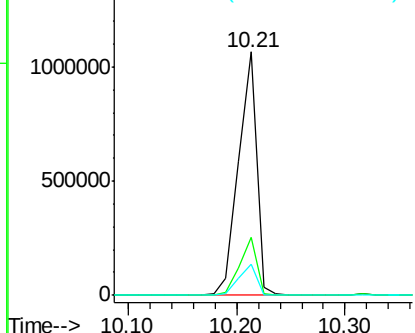
#59  
Diethylphthalate  
Concen: 48.31 ng  
RT: 10.21 min Scan# 711  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 1217065  
Ion Ratio Lower Upper  
149 100  
177 23.6 16.6 24.8  
150 12.6 10.0 15.0

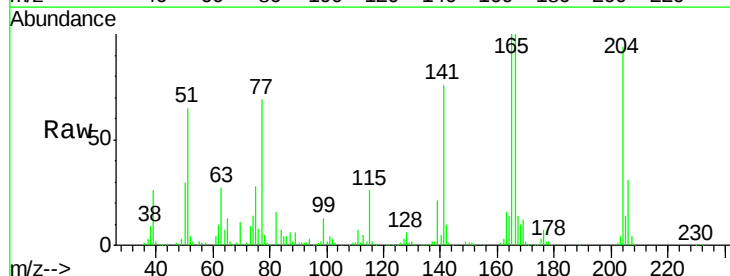


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

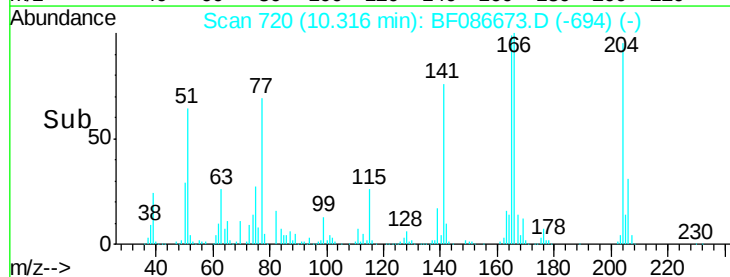
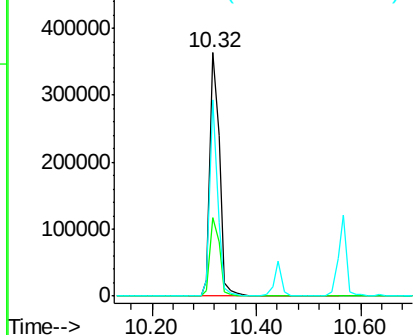


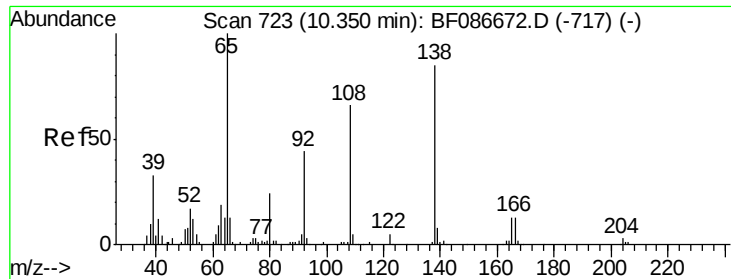
#60  
4-Chlorophenyl-phenylether  
Concen: 41.45 ng  
RT: 10.32 min Scan# 720  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:204 Resp: 460712  
Ion Ratio Lower Upper  
204 100  
206 32.4 25.4 38.0  
141 80.4 61.6 92.4



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

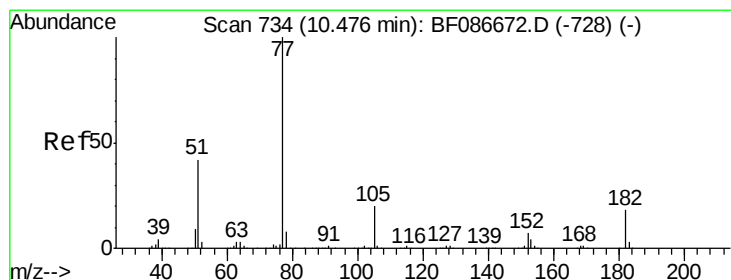
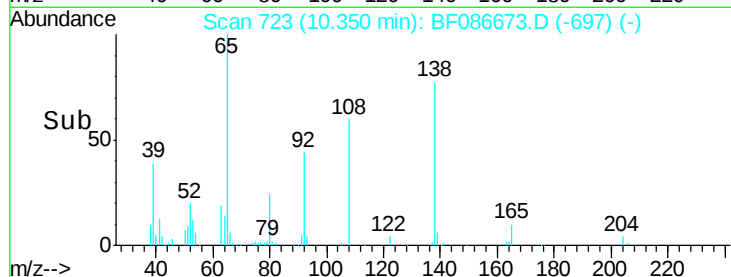
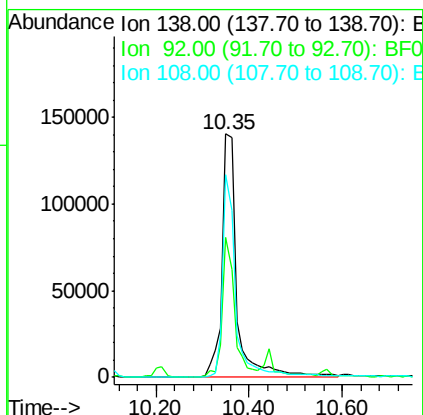
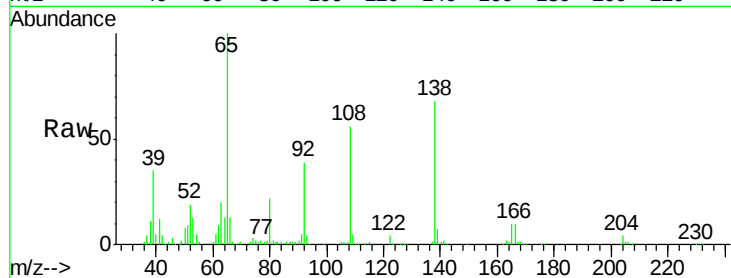




#61  
4-Nitroaniline  
Concen: 50.25 ng  
RT: 10.35 min Scan# 723  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

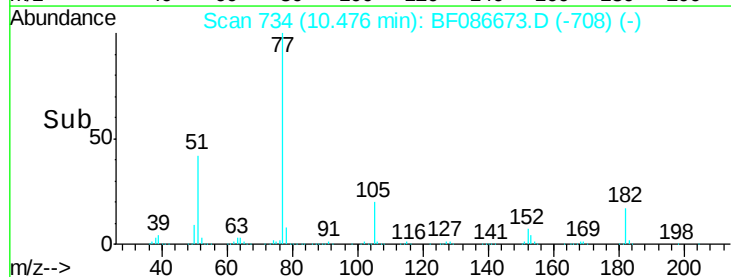
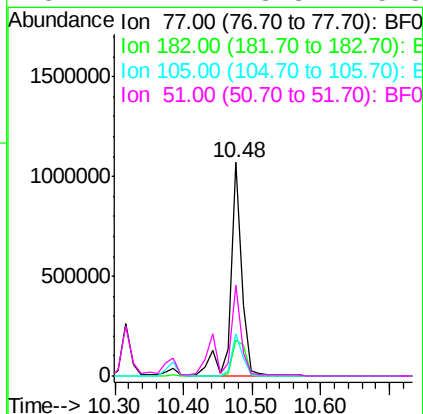
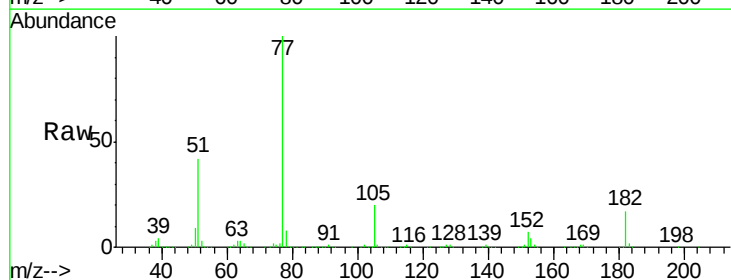
Instrument :  
BNA\_F  
ClientSampleId :

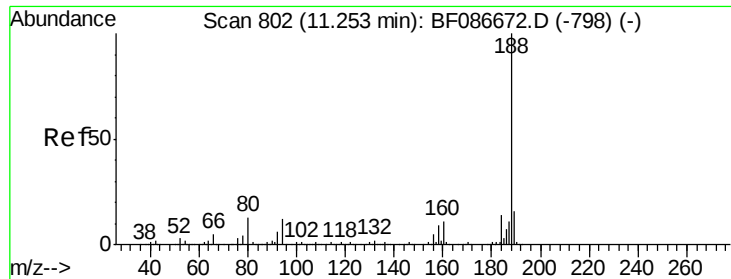
Tot Ion:138 Resp: 307149  
Ion Ratio Lower Upper  
138 100  
92 57.5 24.7 64.7  
108 83.1 37.4 77.4#



#62  
Azobenzene  
Concen: 45.04 ng  
RT: 10.48 min Scan# 734  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion: 77 Resp: 1242847  
Ion Ratio Lower Upper  
77 100  
182 16.8 0.0 38.8  
105 19.8 3.2 43.2  
51 42.4 8.8 48.8

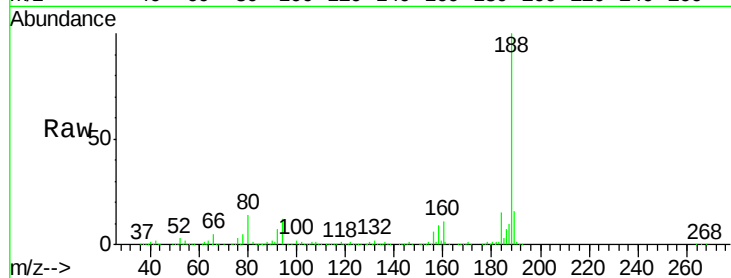




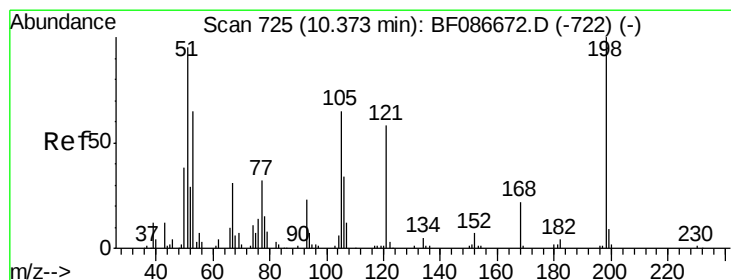
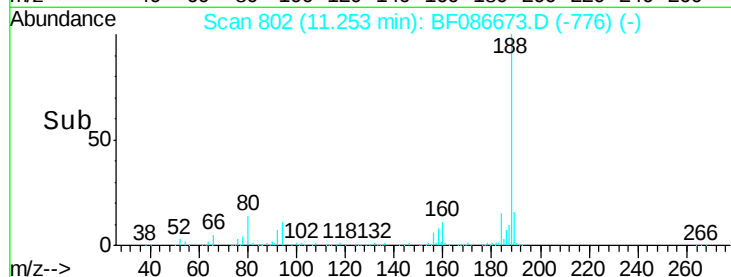
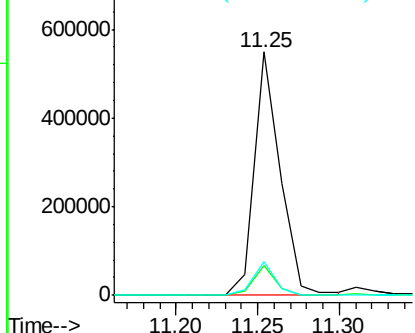
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 605840  
Ion Ratio Lower Upper  
188 100  
94 12.2 6.8 10.2#  
80 13.8 7.1 10.7#

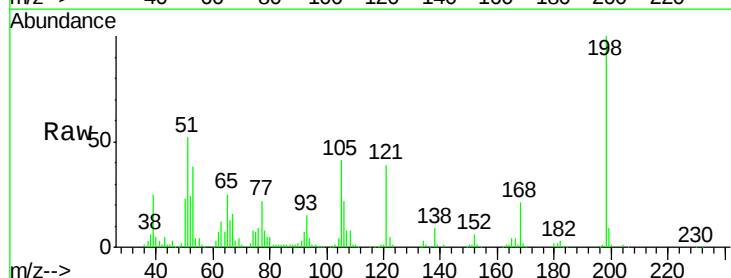


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

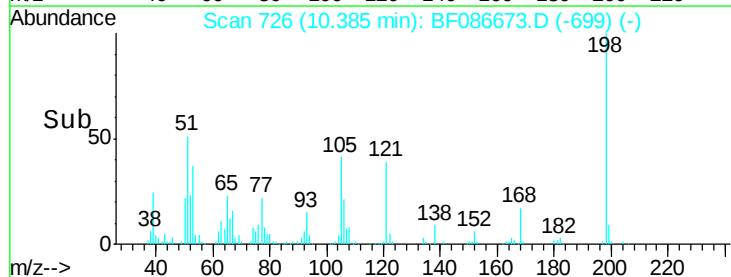
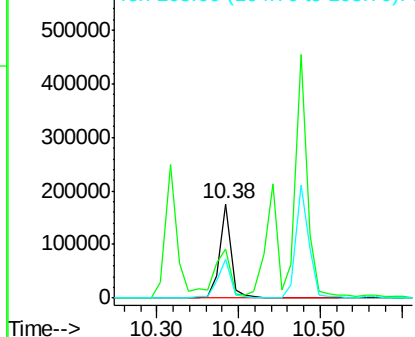


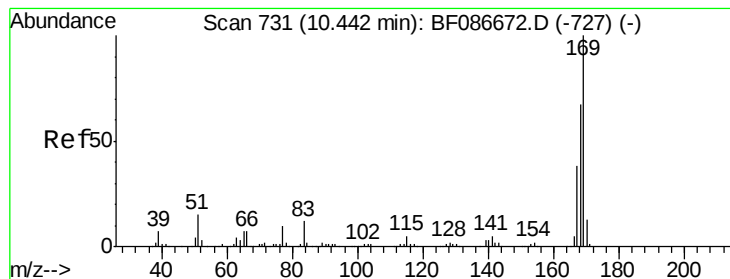
#64  
4,6-Dinitro-2-methylphenol  
Concen: 47.80 ng  
RT: 10.38 min Scan# 726  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:198 Resp: 170018  
Ion Ratio Lower Upper  
198 100  
51 51.9 20.5 60.5  
105 40.9 24.5 64.5



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 48.69 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

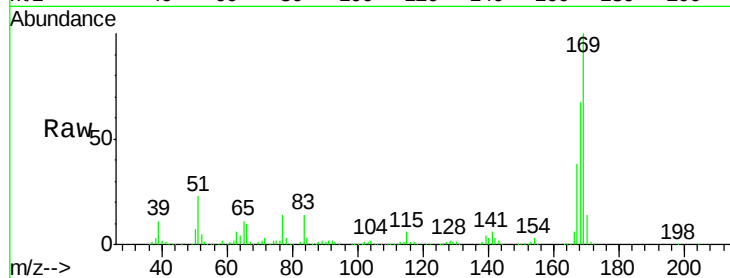
Tot Ion:169 Resp: 921985

Ion Ratio Lower Upper

169 100

168 67.5 53.8 80.6

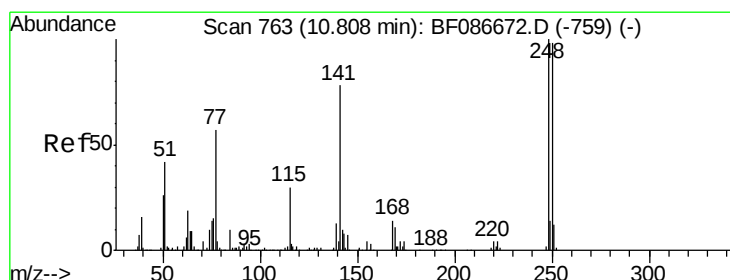
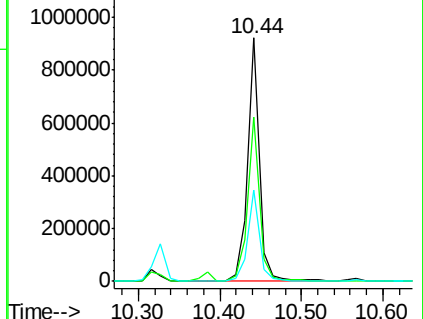
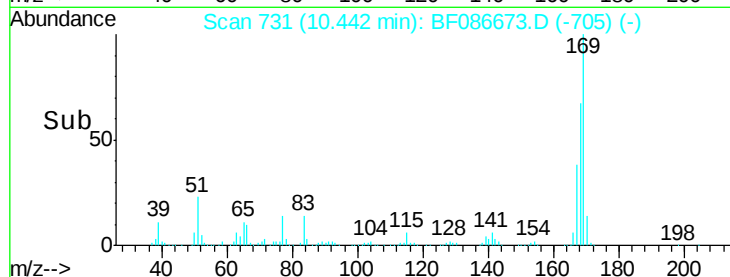
167 37.7 29.5 44.3



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: 46.70 ng

RT: 10.81 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

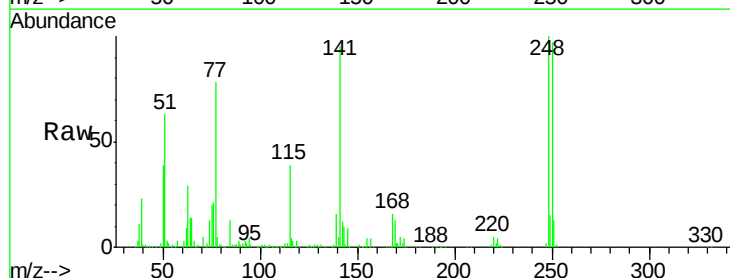
Tgt Ion:248 Resp: 291534

Ion Ratio Lower Upper

248 100

250 96.5 78.6 117.8

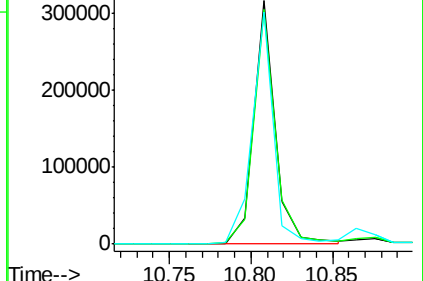
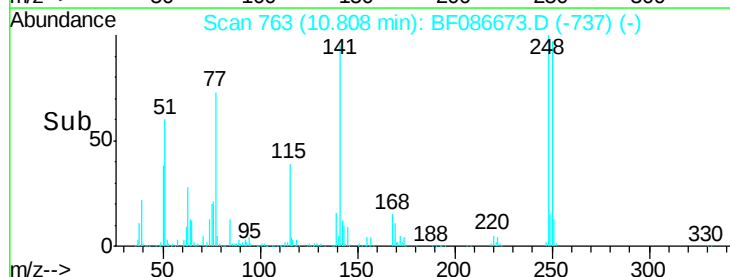
141 95.1 76.0 114.0

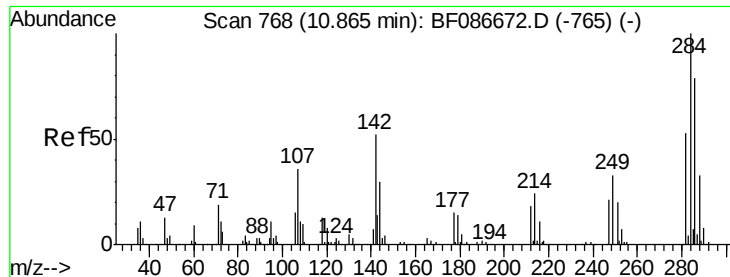


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

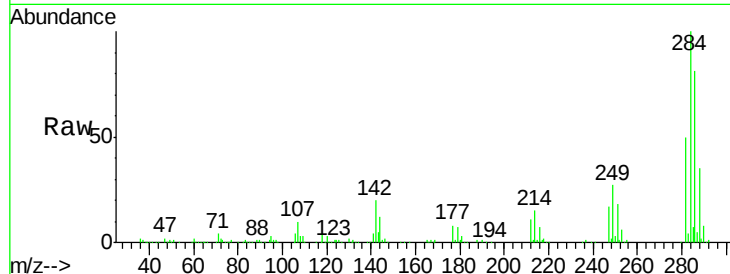




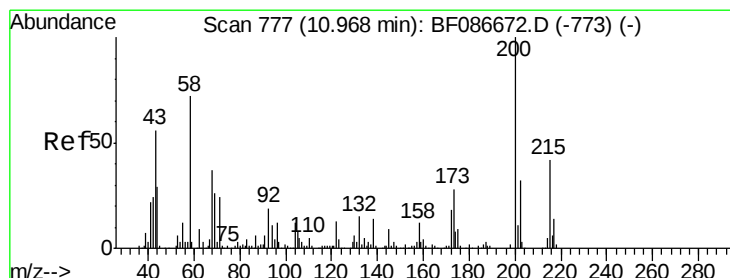
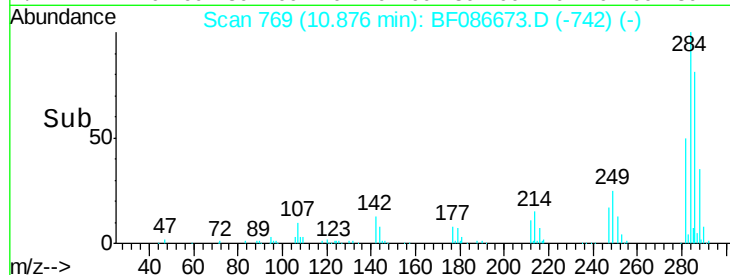
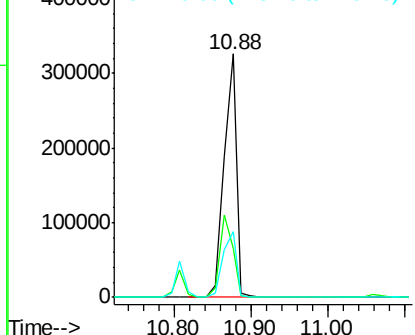
#67  
Hexachlorobenzene  
Concen: 51.52 ng  
RT: 10.88 min Scan# 769  
Delta R.T. 0.01 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:284 Resp: 372256  
Ion Ratio Lower Upper  
284 100  
142 20.0 16.7 25.1  
249 26.8 21.3 31.9

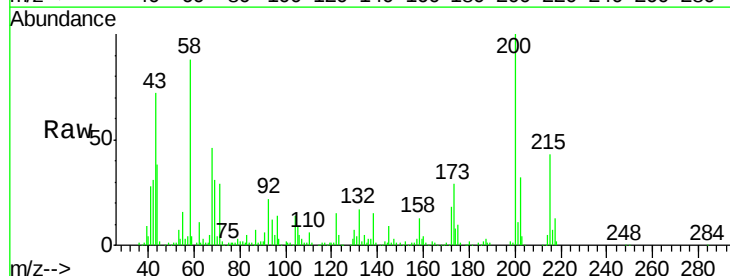


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

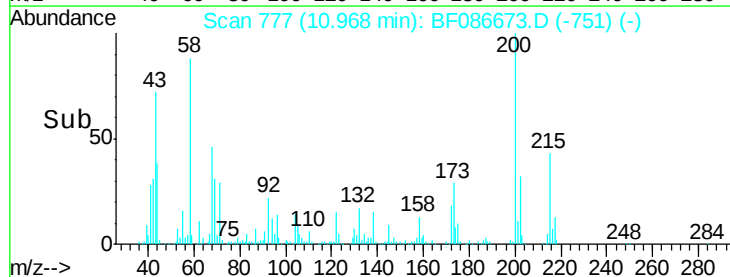
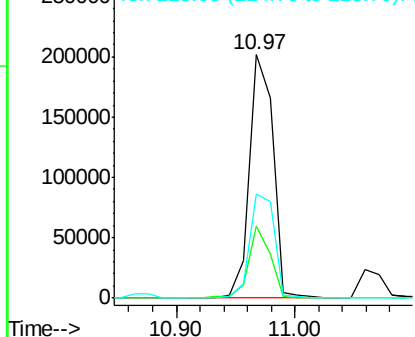


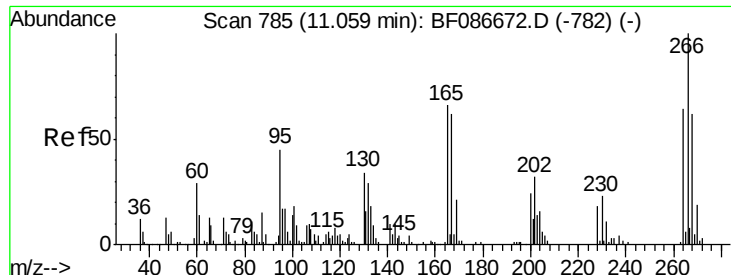
#68  
Atrazine  
Concen: 49.65 ng  
RT: 10.97 min Scan# 777  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:200 Resp: 282314  
Ion Ratio Lower Upper  
200 100  
173 29.4 8.5 48.5  
215 42.8 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

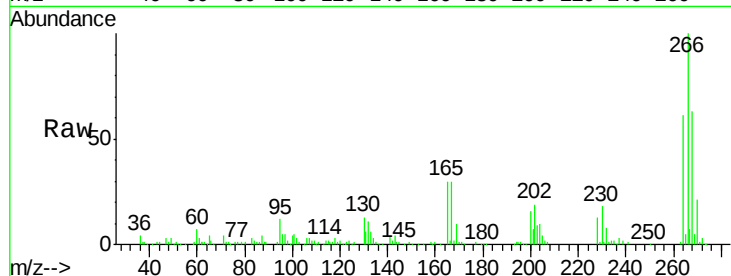




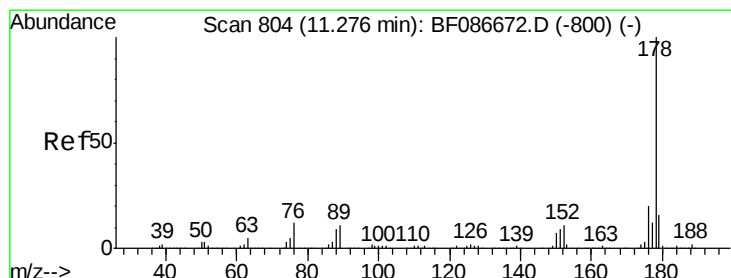
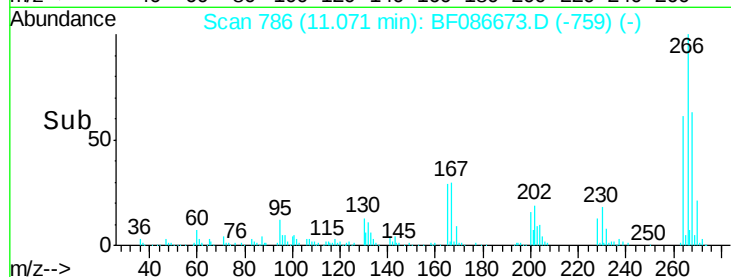
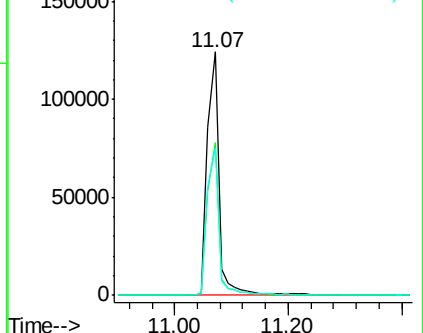
#69  
 Pentachlorophenol  
 Concen: 44.80 ng  
 RT: 11.07 min Scan# 786  
 Delta R.T. 0.01 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 170660  
 Ion Ratio Lower Upper  
 266 100  
 268 63.0 51.5 77.3  
 264 60.9 52.9 79.3

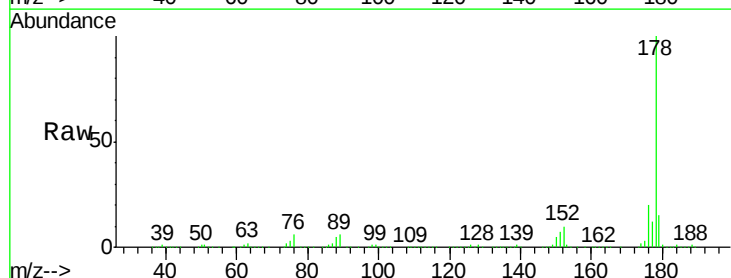


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

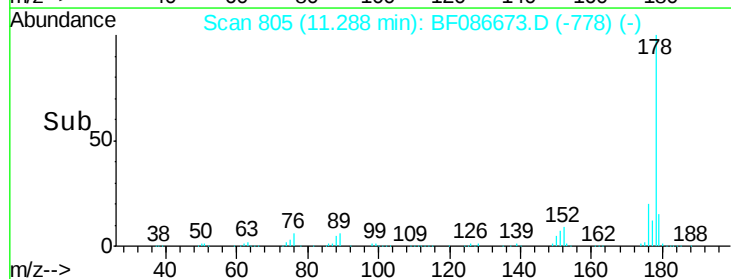
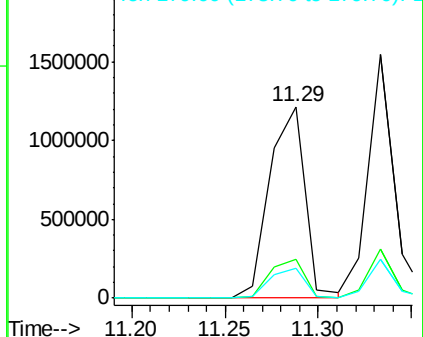


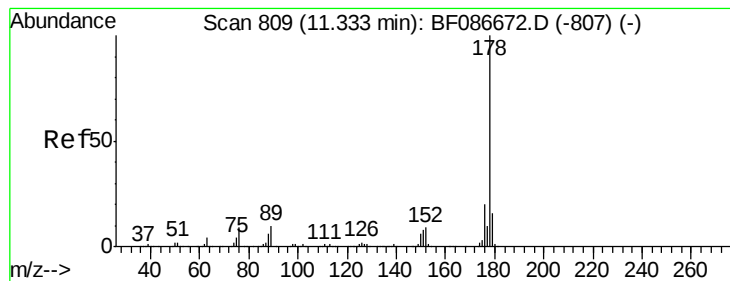
#70  
 Phenanthrene  
 Concen: 50.36 ng  
 RT: 11.29 min Scan# 805  
 Delta R.T. 0.01 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Tgt Ion:178 Resp: 1601197  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 16.0 24.0  
 179 15.3 12.6 18.8



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





#71

Anthracene

Concen: 45.83 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

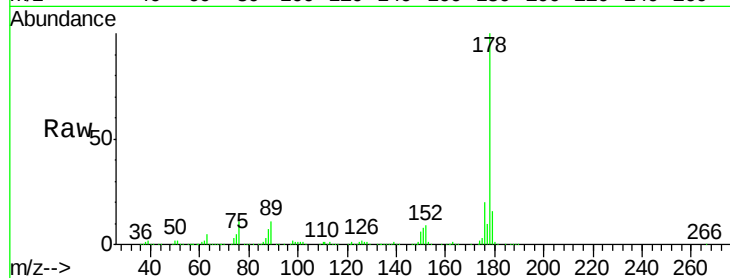
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:178 Resp: 1555157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.9  | 15.6  | 23.4  |
| 179 | 16.0  | 12.7  | 19.1  |

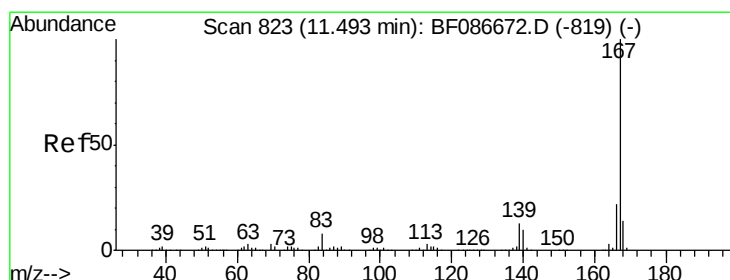
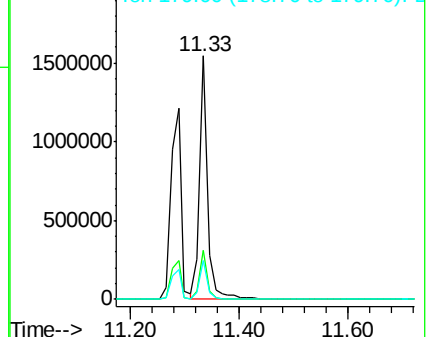
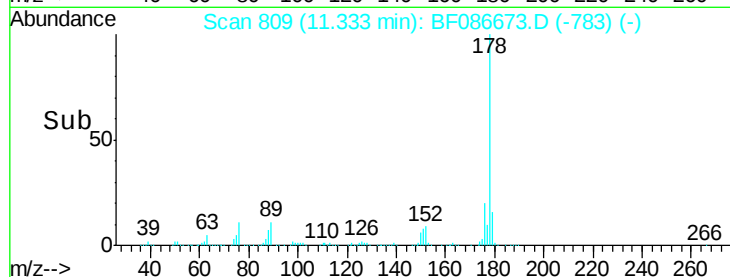


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 50.18 ng

RT: 11.49 min Scan# 823

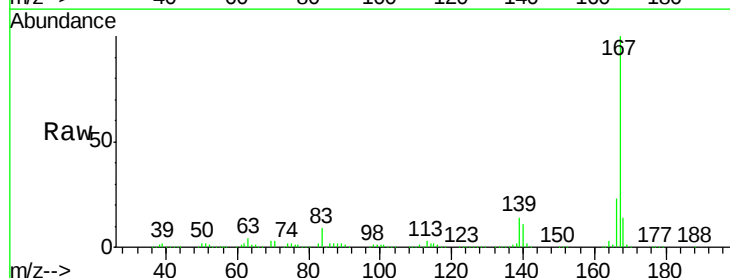
Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Tgt Ion:167 Resp: 1509183

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.6  | 17.7  | 26.5  |
| 139 | 14.0  | 10.8  | 16.2  |

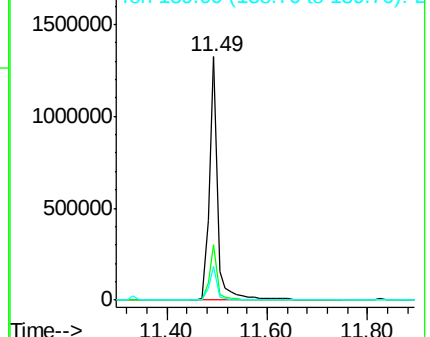
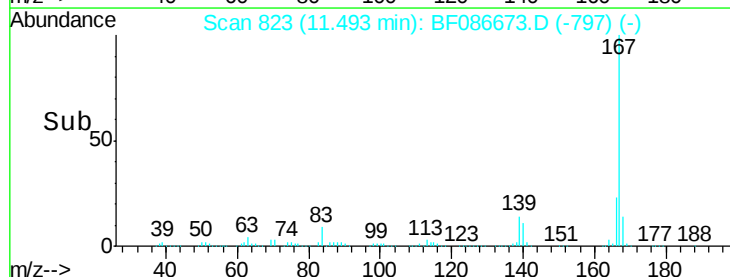


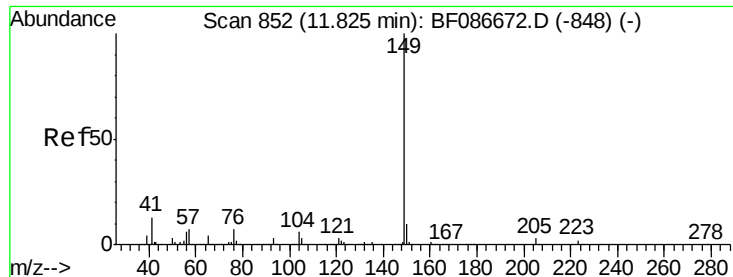
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.01 ng

RT: 11.82 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

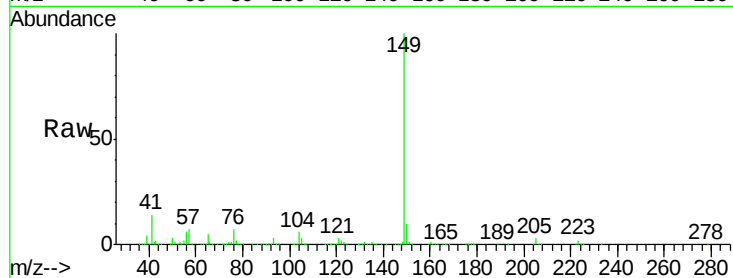
Tot Ion:149 Resp: 1601640

Ion Ratio Lower Upper

149 100

150 9.8 7.6 11.4

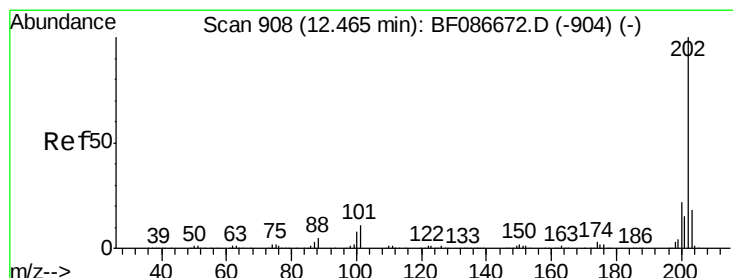
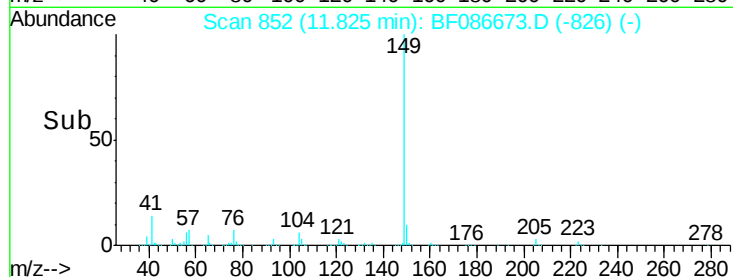
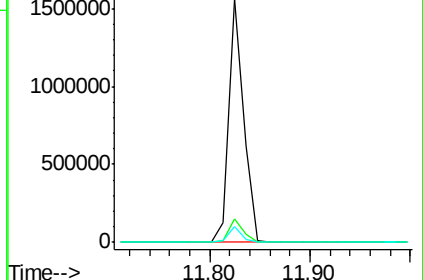
104 6.4 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.45 ng

RT: 12.46 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

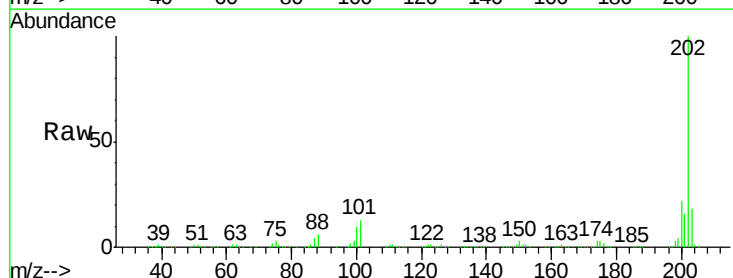
Tgt Ion:202 Resp: 1555062

Ion Ratio Lower Upper

202 100

101 13.1 0.0 35.4

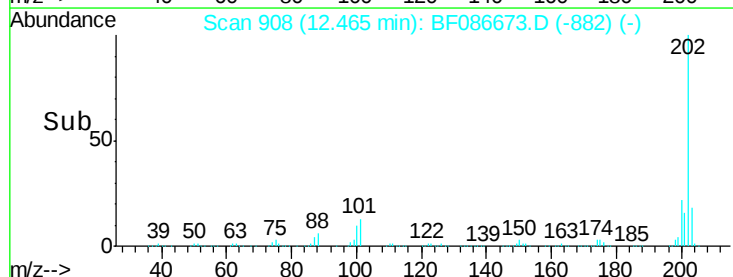
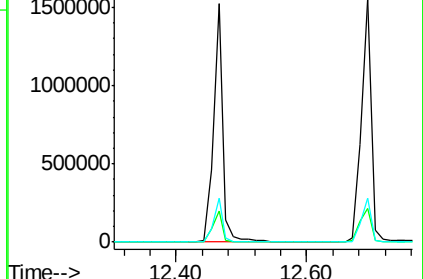
203 18.4 0.0 38.1

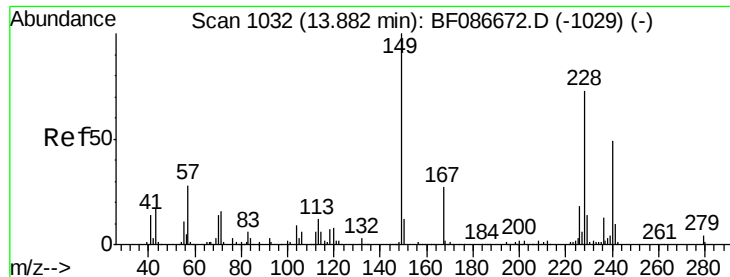


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

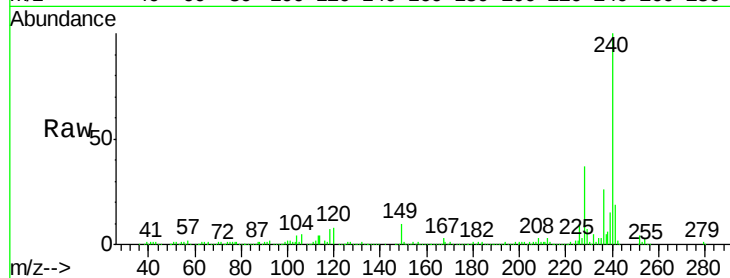
Tot Ion:240 Resp: 381679

Ion Ratio Lower Upper

240 100

120 8.0 11.2 16.8#

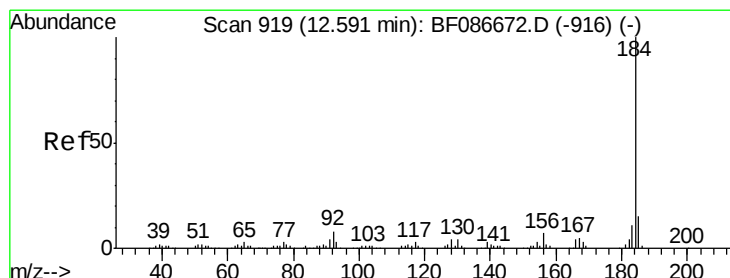
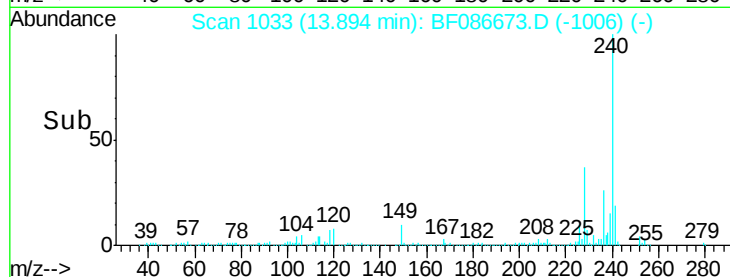
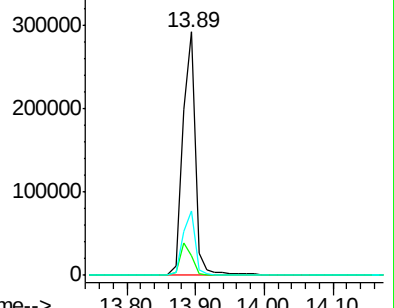
236 26.5 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 42.59 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

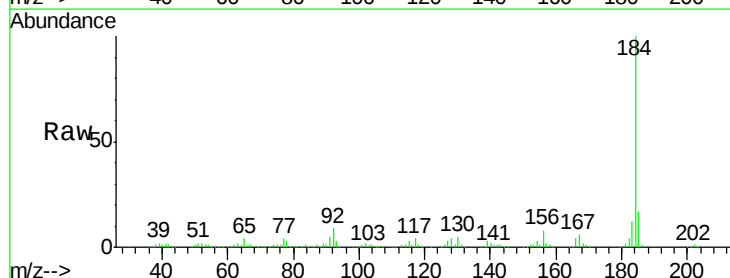
Tgt Ion:184 Resp: 558698

Ion Ratio Lower Upper

184 100

185 16.6 13.6 20.4

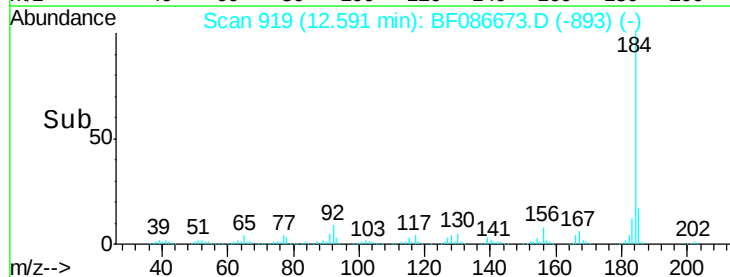
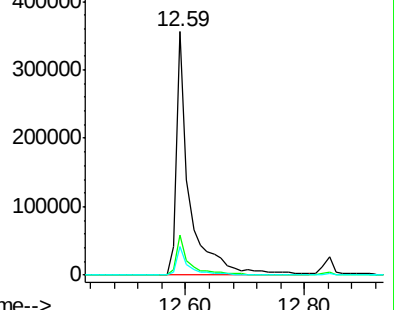
183 11.7 9.8 14.6

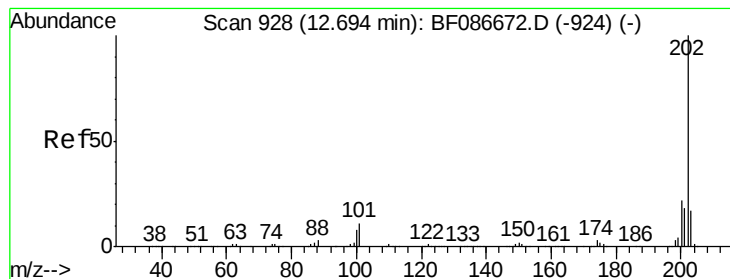


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 58.21 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

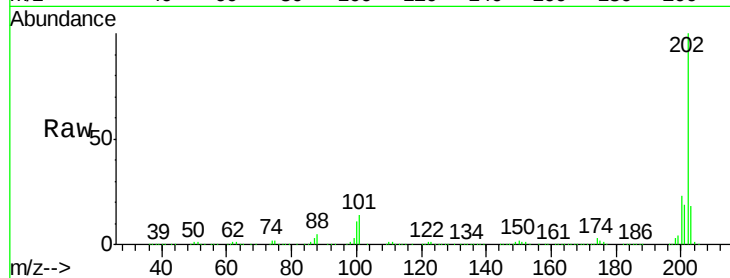
Tot Ion:202 Resp: 1601022

Ion Ratio Lower Upper

202 100

200 22.6 17.7 26.5

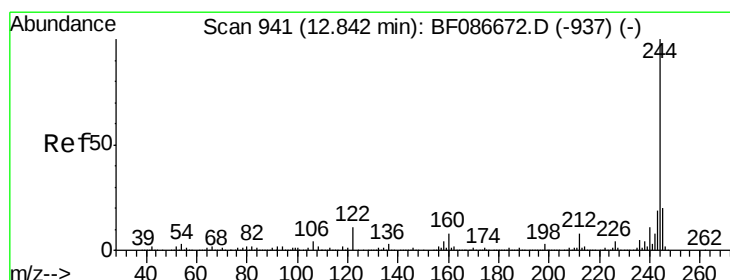
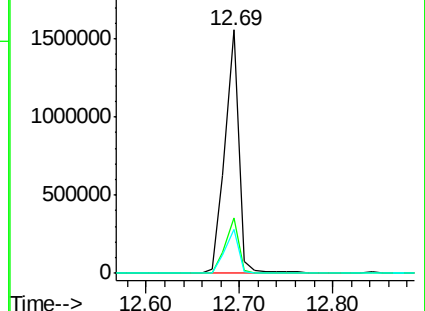
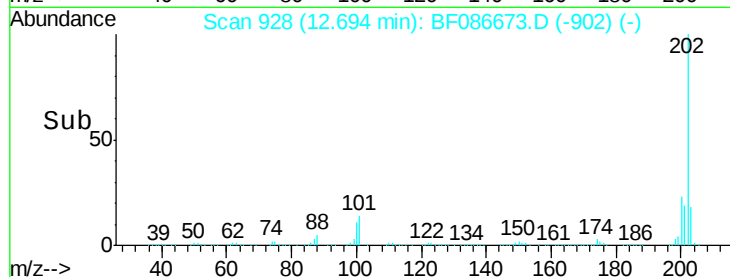
203 18.0 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 104.03 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

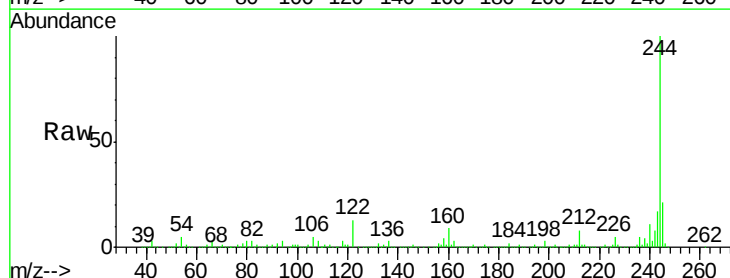
Tgt Ion:244 Resp: 1802348

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

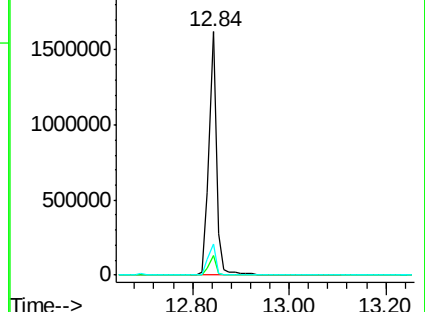
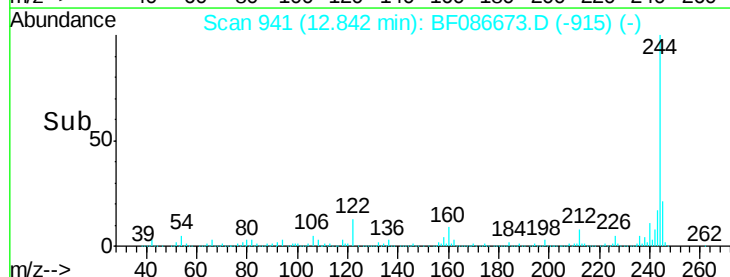
122 12.8 12.0 18.0

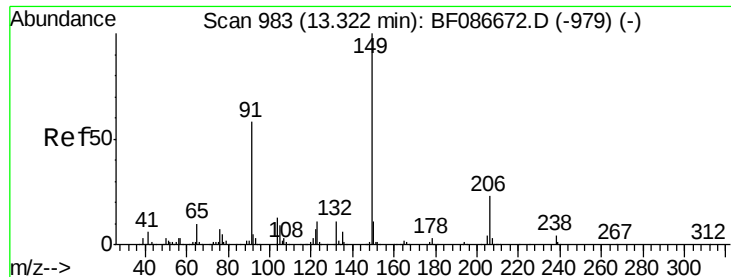


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

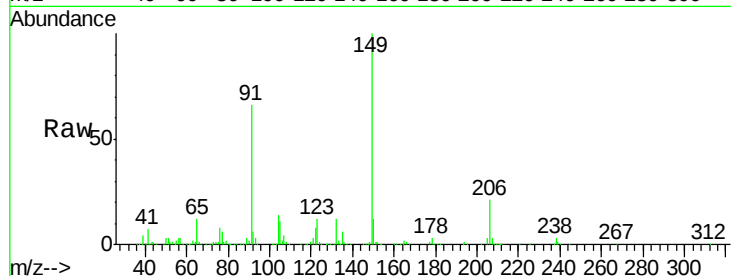




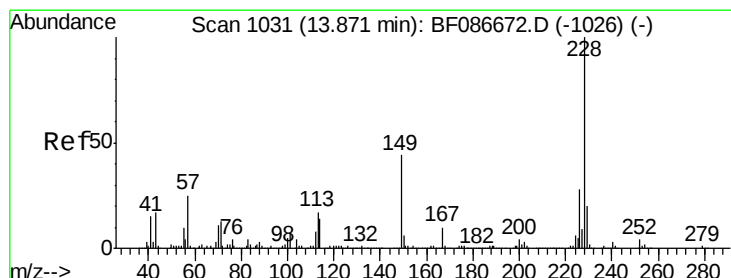
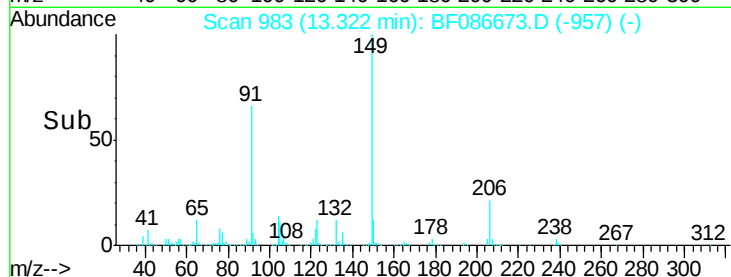
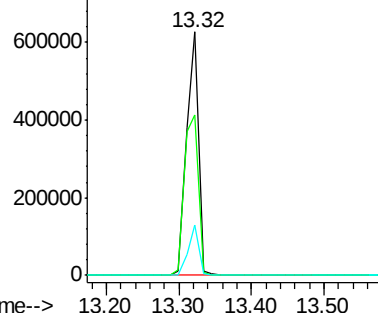
#79  
Butylbenzylphthalate  
Concen: 60.20 ng  
RT: 13.32 min Scan# 983  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 717022  
Ion Ratio Lower Upper  
149 100  
91 65.7 48.0 72.0  
206 20.8 15.8 23.6

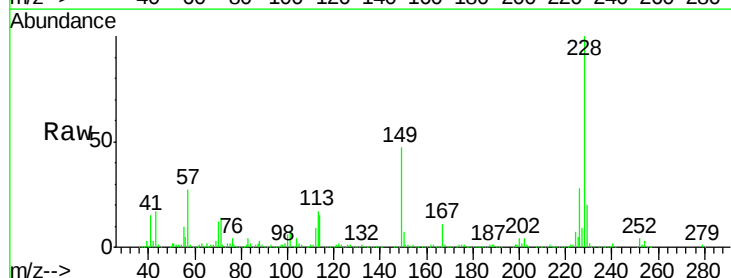


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

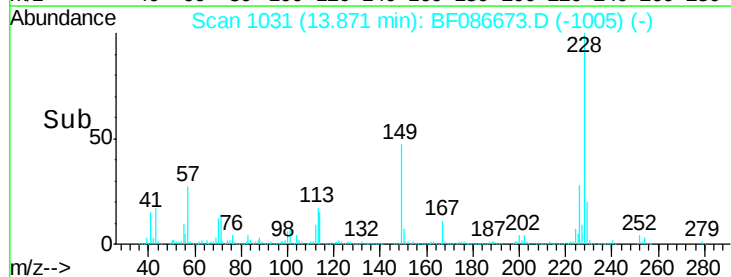
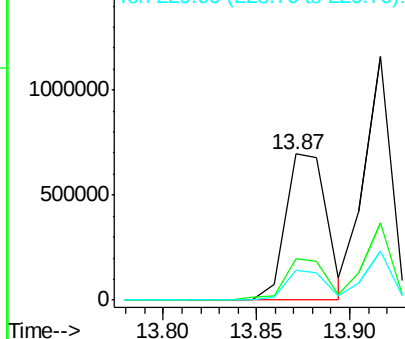


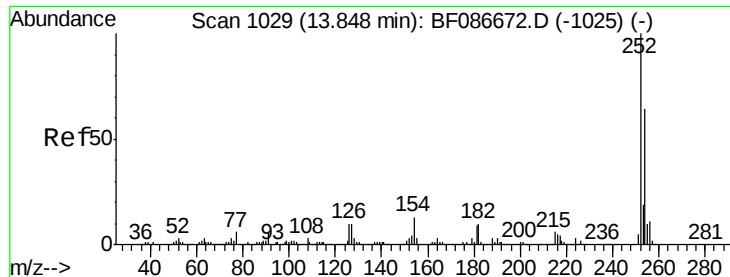
#80  
Benzo(a)anthracene  
Concen: 52.49 ng  
RT: 13.87 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:228 Resp: 1068158  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.5 33.7  
229 20.3 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

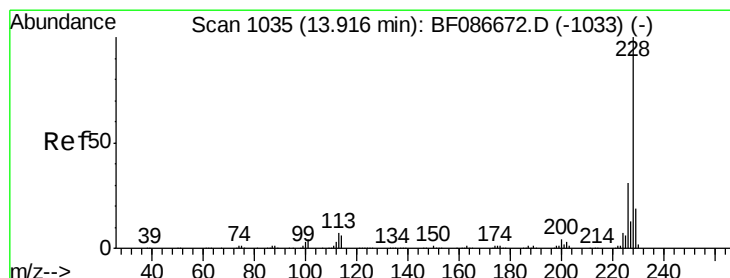
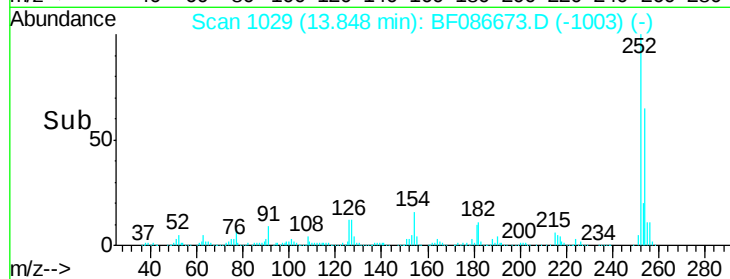
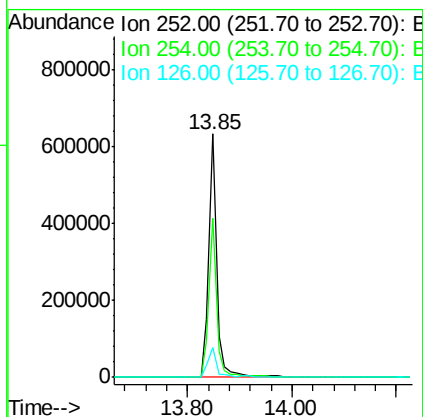
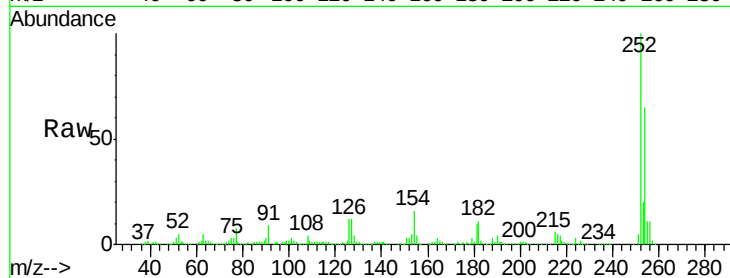




#81  
 3,3'-Dichlorobenzidine  
 Concen: 50.31 ng  
 RT: 13.85 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

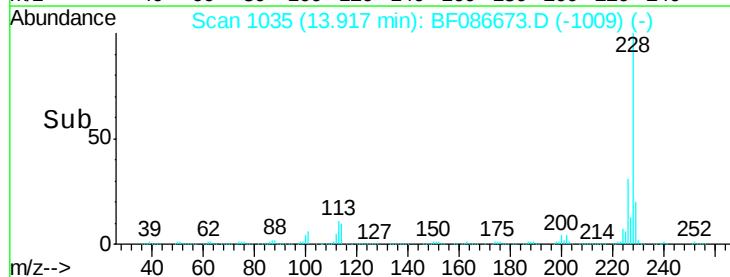
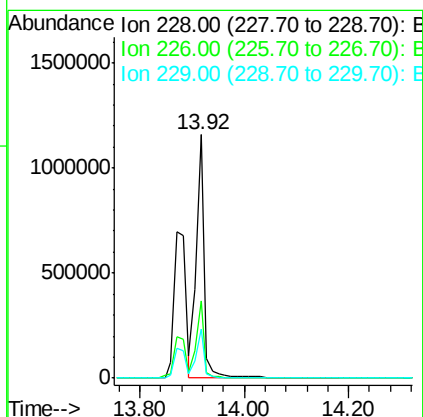
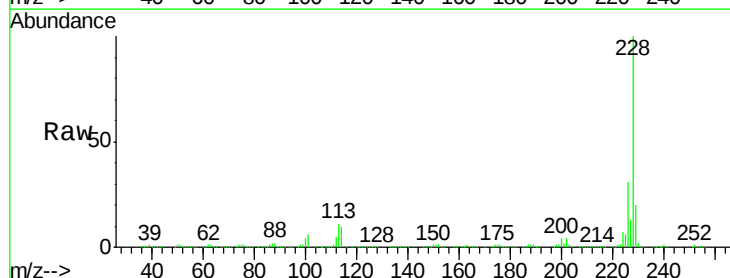
Instrument :  
 BNA\_F  
 ClientSampleId :

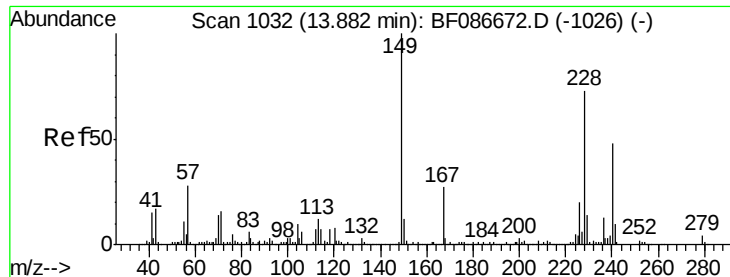
Tot Ion:252 Resp: 684420  
 Ion Ratio Lower Upper  
 252 100  
 254 65.2 50.7 76.1  
 126 12.5 12.7 19.1#



#82  
 Chrysene  
 Concen: 55.78 ng  
 RT: 13.92 min Scan# 1035  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Tgt Ion:228 Resp: 1233866  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.4 36.6  
 229 20.2 15.8 23.8

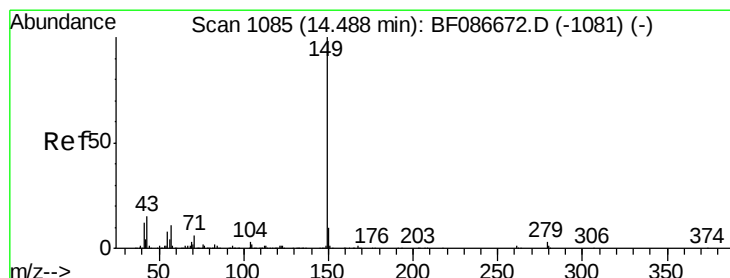
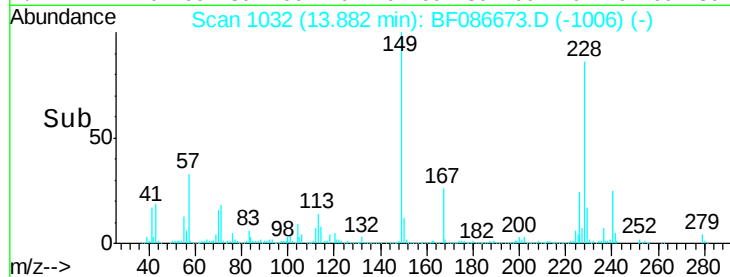
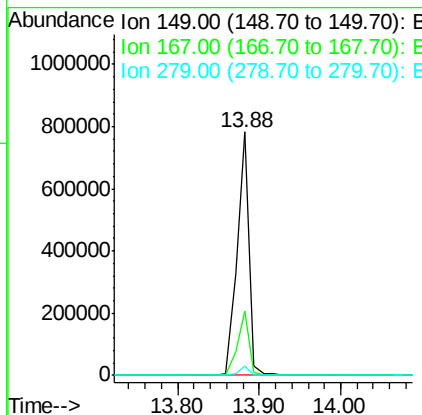
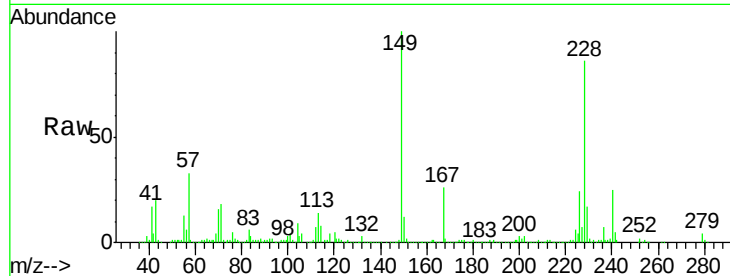




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 53.84 ng  
 RT: 13.88 min Scan# 1032  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

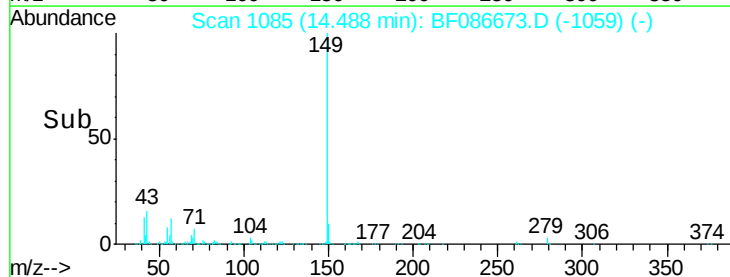
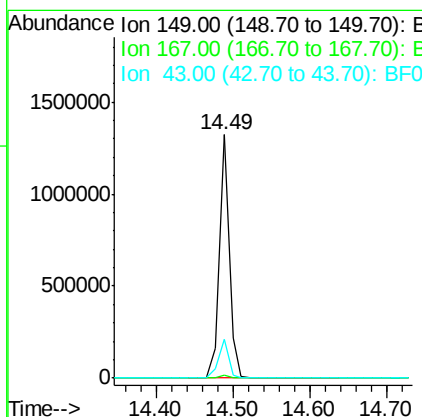
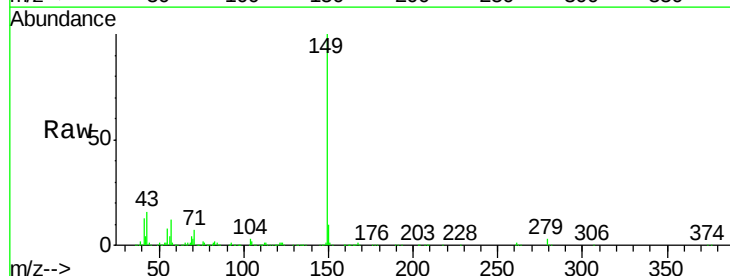
Instrument :  
 BNA\_F  
 ClientSampleID :

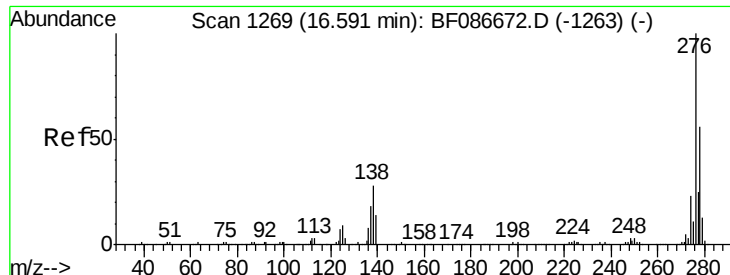
Tot Ion:149 Resp: 796117  
 Ion Ratio Lower Upper  
 149 100  
 167 26.3 21.8 32.6  
 279 3.6 2.6 4.0



#84  
 Di-n-octyl phthalate  
 Concen: 51.16 ng  
 RT: 14.49 min Scan# 1085  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Tgt Ion:149 Resp: 1184486  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 16.4 8.2 12.4#



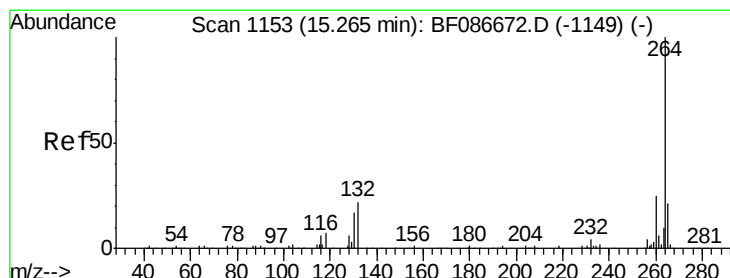
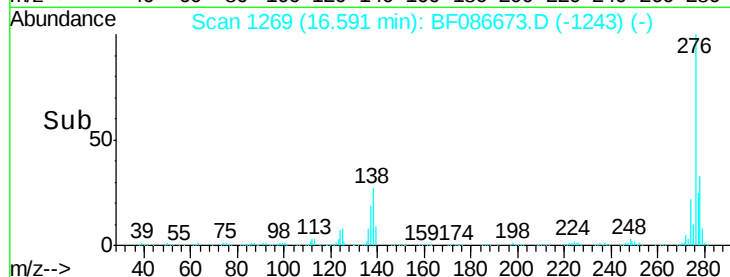
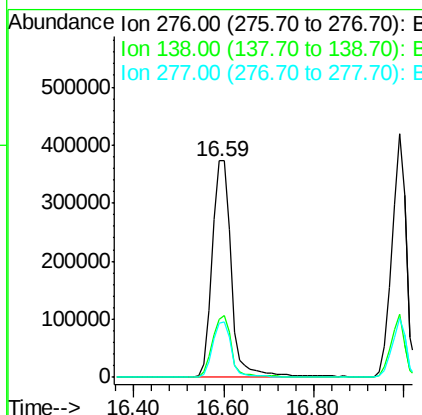
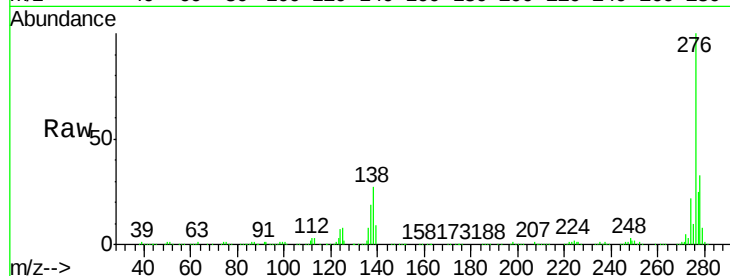


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 68.23 ng  
 RT: 16.59 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:276 Resp: 1118184  

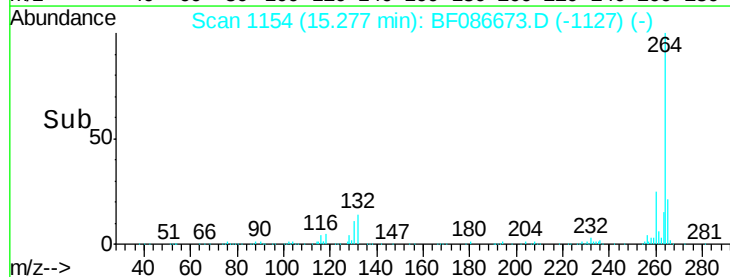
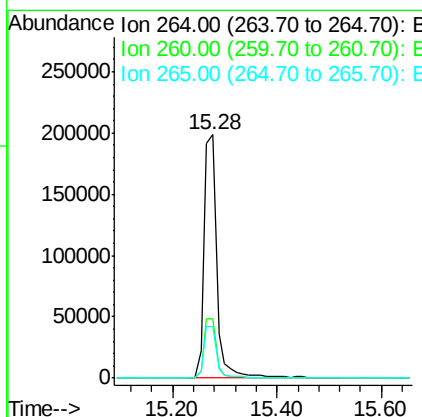
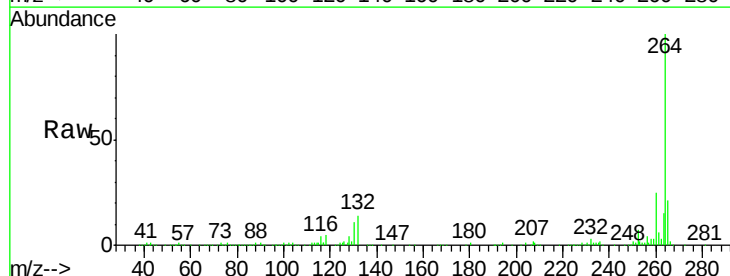
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 28.1  | 25.6  | 38.4  |
| 277 | 25.5  | 20.5  | 30.7  |

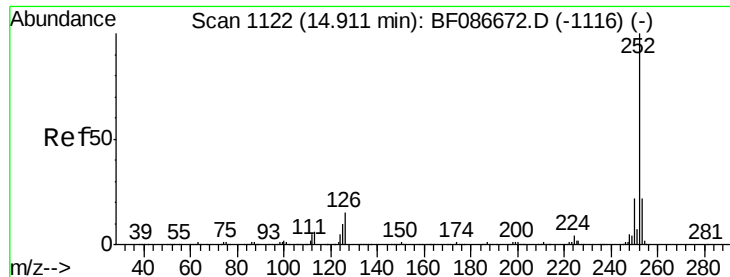


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.28 min Scan# 1154  
 Delta R.T. 0.01 min  
 Lab File: BF086673.D  
 Acq: 4 May 2016 13:14

Tgt Ion:264 Resp: 339528  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 19.5  | 29.3  |
| 265 | 21.4  | 17.3  | 25.9  |

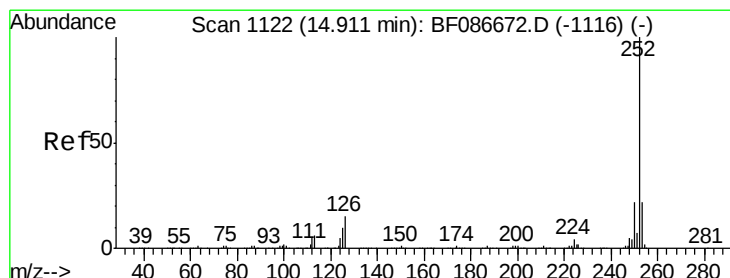
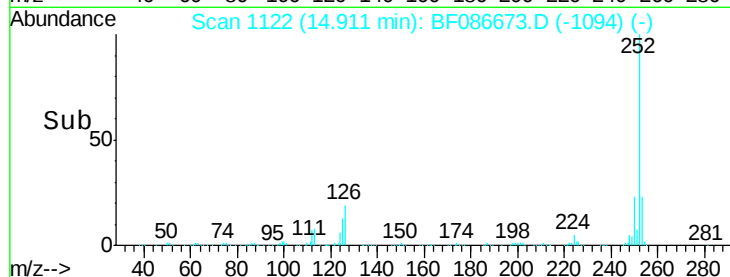
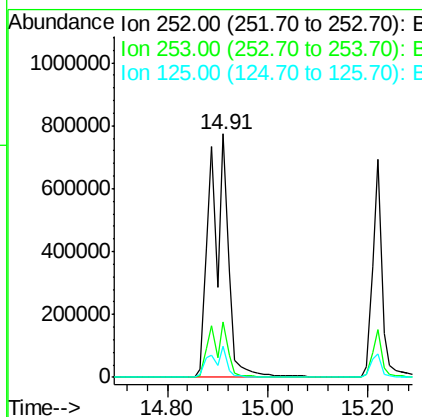
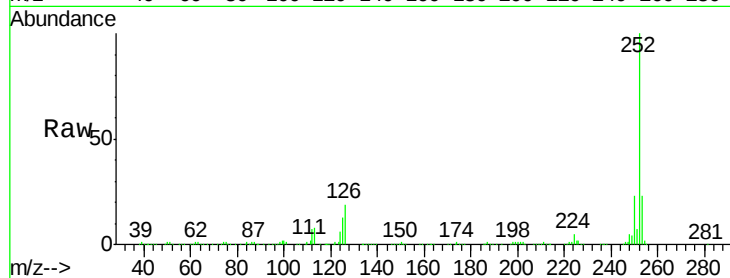




#87  
Benzo(b)fluoranthene  
Concen: 95.34 ng  
RT: 14.91 min Scan# 1122  
Delta R.T. 0.02 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

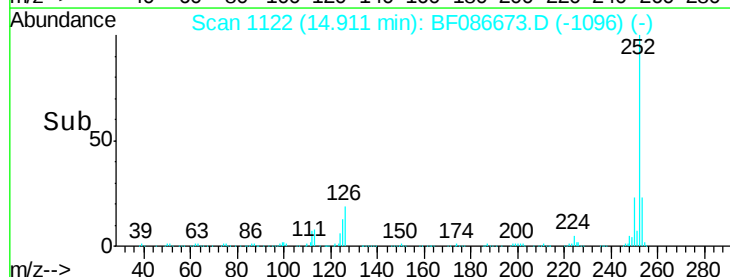
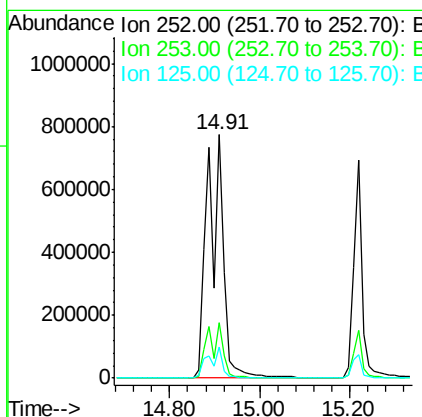
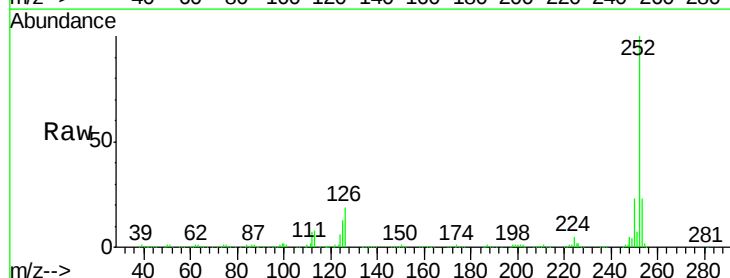
Instrument :  
BNA\_F  
ClientSampled :

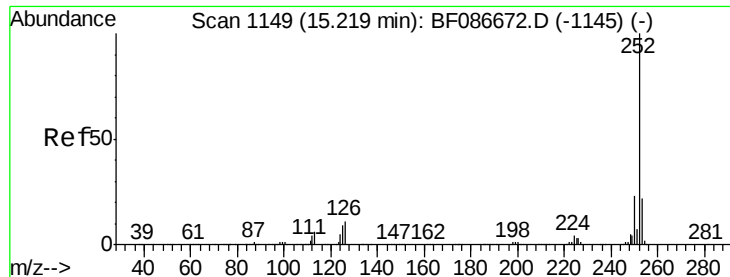
Tot Ion:252 Resp: 1904386  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.6  
125 12.8 11.4 17.0



#88  
Benzo(k)fluoranthene  
Concen: 91.59 ng  
RT: 14.91 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BF086673.D  
Acq: 4 May 2016 13:14

Tgt Ion:252 Resp: 1908278  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.6  
125 12.8 9.1 13.7





#89

Benzo(a)pyrene

Concen: 48.76 ng

RT: 15.22 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

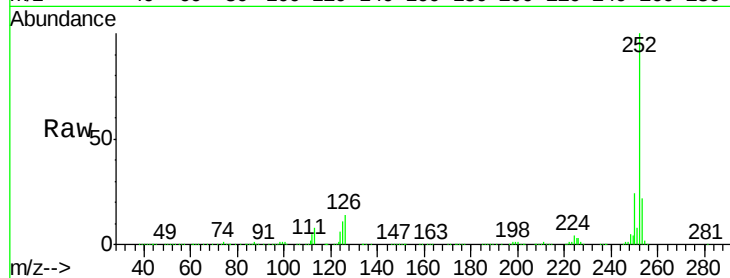
Tot Ion:252 Resp: 919517

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

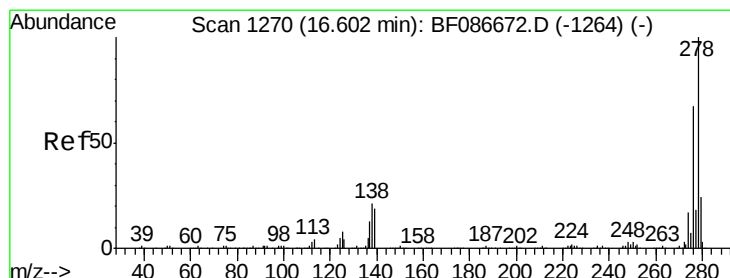
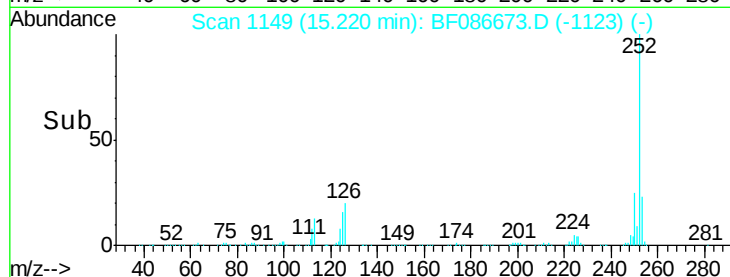
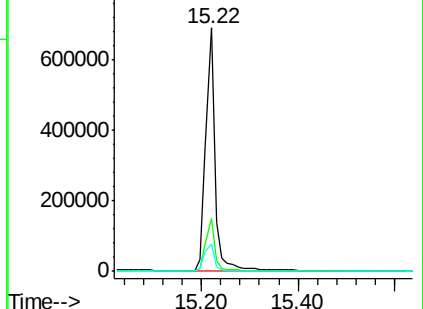
125 11.0 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 59.56 ng

RT: 16.61 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

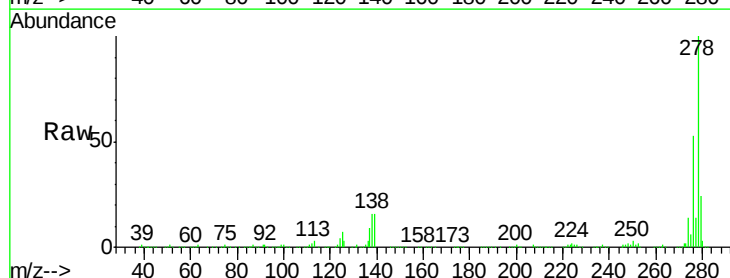
Tgt Ion:278 Resp: 919079

Ion Ratio Lower Upper

278 100

139 15.6 16.6 24.8#

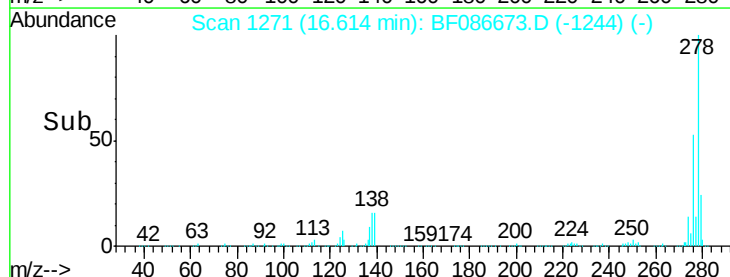
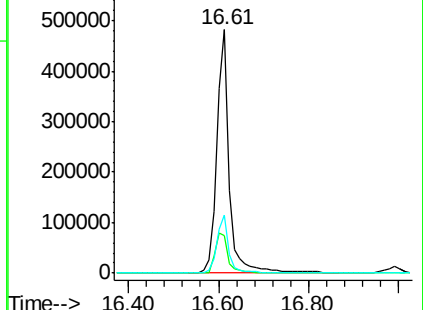
279 23.7 19.6 29.4

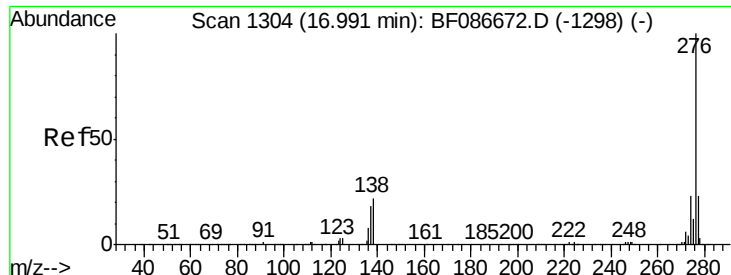


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 62.08 ng

RT: 16.99 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF086673.D

Acq: 4 May 2016 13:14

Instrument :

BNA\_F

ClientSampleId :

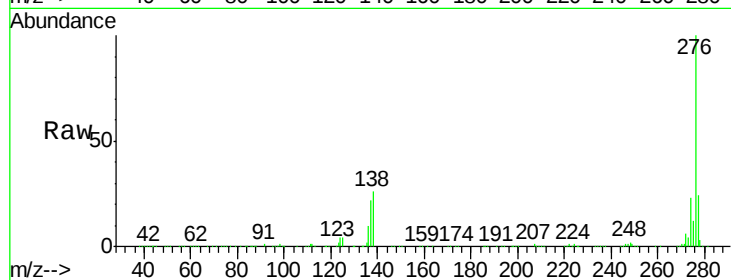
Tot Ion: 276 Resp: 960126

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 25.9 23.6 35.4



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

