

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\  
 Data File : BF109961.D  
 Acq On : 18 Oct 2018 15:11  
 Operator : JU/SJ  
 Sample : J5575-04MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 19 02:22:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 16 14:58:24 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 241882   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 927261   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 10.02 | 164  | 421403   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.51 | 188  | 734221   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.16 | 240  | 418106   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.69 | 264  | 445802   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 1558343  | 102.12 | ng    | 0.01     |
| 7) Phenol-d6                | 6.60  | 99   | 1980910  | 104.54 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.55  | 82   | 1232849  | 89.56  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.82 | 330  | 438951   | 120.31 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.34  | 172  | 2042950  | 77.36  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.10 | 244  | 1551819  | 77.94  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.92 | 88   | 184990   | 21.345 | ng    | 91     |
| 3) Pyridine                    | 3.68 | 79   | 528902   | 27.373 | ng    | 89     |
| 4) n-Nitrosodimethylamine      | 3.63 | 42   | 257567   | 32.677 | ng    | 98     |
| 6) Aniline                     | 6.64 | 93   | 733457   | 28.724 | ng    | # 53   |
| 8) 2-Chlorophenol              | 6.76 | 128  | 535170   | 31.310 | ng    | 97     |
| 9) Benzaldehyde                | 6.53 | 77   | 332456   | 27.000 | ng    | 99     |
| 10) Phenol                     | 6.62 | 94   | 804035   | 39.302 | ng    | # 63   |
| 11) bis(2-Chloroethyl)ether    | 6.71 | 93   | 511270   | 29.890 | ng    | 92     |
| 12) 1,3-Dichlorobenzene        | 6.92 | 146  | 572567   | 30.549 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.99 | 146  | 579496   | 30.700 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 7.15 | 146  | 541258   | 31.139 | ng    | 98     |
| 15) Benzyl Alcohol             | 7.12 | 79   | 472772   | 32.432 | ng    | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45   | 837960   | 29.847 | ng    | 68     |
| 17) 2-Methylphenol             | 7.22 | 107  | 446291   | 32.379 | ng    | # 81   |
| 18) Hexachloroethane           | 7.49 | 117  | 214271   | 32.122 | ng    | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70   | 367036   | 30.169 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.37 | 107  | 561520   | 32.104 | ng    | # 86   |
| 22) Acetophenone               | 7.39 | 105  | 727872   | 33.848 | ng    | # 98   |
| 24) Nitrobenzene               | 7.56 | 77   | 547169   | 36.592 | ng    | 92     |
| 25) Isophorone                 | 7.80 | 82   | 1017663  | 37.626 | ng    | 95     |
| 26) 2-Nitrophenol              | 7.87 | 139  | 275716   | 44.470 | ng    | 92     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122  | 497946   | 38.222 | ng    | 97     |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93   | 654436   | 35.257 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162  | 445951   | 35.287 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.20 | 180  | 477218   | 33.725 | ng    | 95     |
| 31) Naphthalene                | 8.29 | 128  | 1522404  | 35.804 | ng    | 99     |
| 32) Benzoic acid               | 7.96 | 122  | 42911    | 5.287  | ng    | 89     |
| 33) 4-Chloroaniline            | 8.33 | 127  | 446971   | 23.384 | ng    | 97     |
| 34) Hexachlorobutadiene        | 8.39 | 225  | 262965   | 33.701 | ng    | 99     |
| 35) Caprolactam                | 8.73 | 113  | 69147    | 15.406 | ng    | 94     |
| 36) 4-Chloro-3-methylphenol    | 8.80 | 107  | 464196   | 34.818 | ng    | 93     |
| 37) 2-Methylnaphthalene        | 8.97 | 142  | 1042229  | 37.853 | ng    | 98     |
| 38) 1-Methylnaphthalene        | 9.07 | 142  | 980440   | 36.748 | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216  | 437483   | 33.705 | ng    | 98     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 16 14:58:24 2018  
 Response via : Initial Calibration

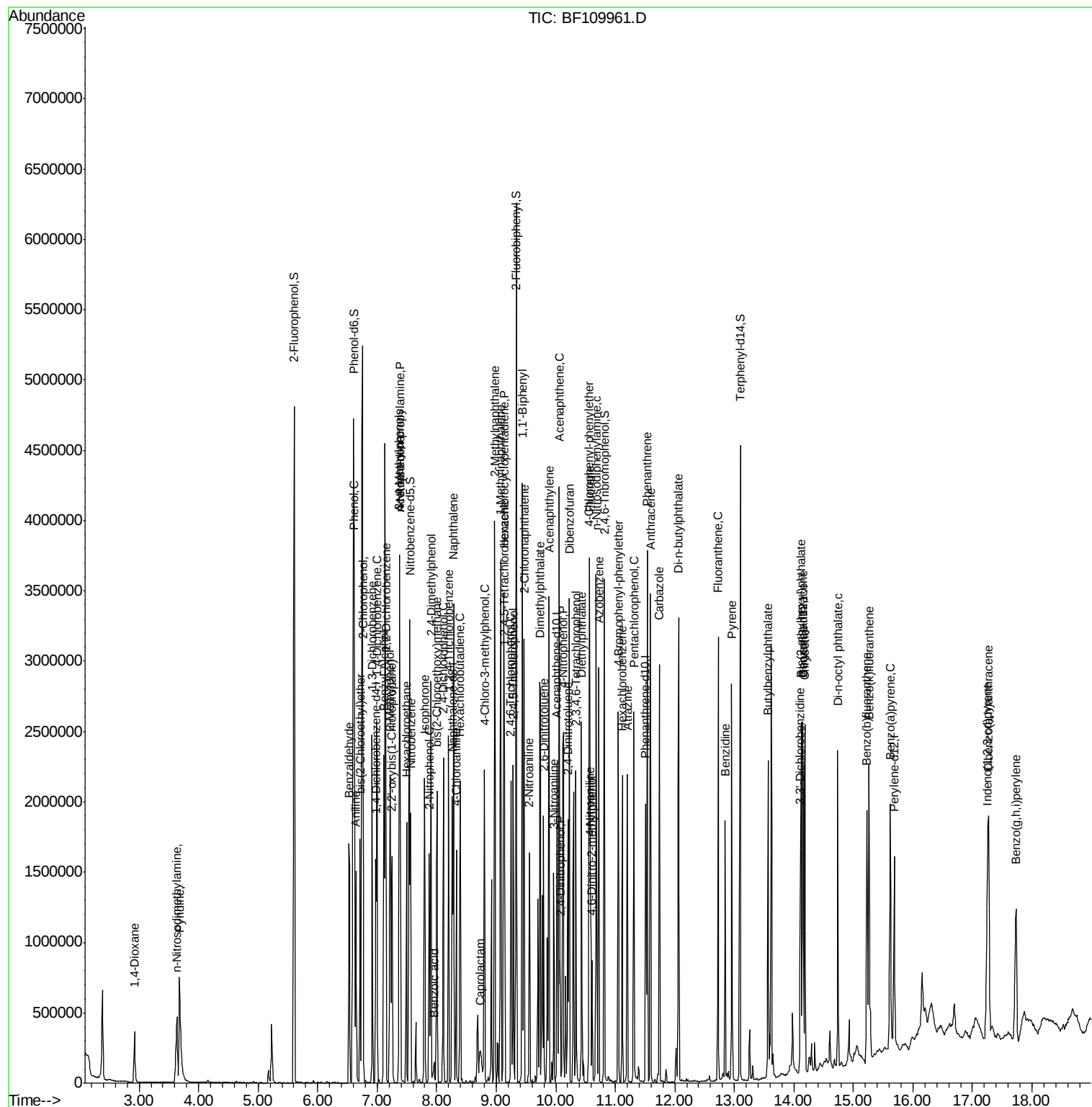
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.13  | 237  | 519422   | 82.912 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.25  | 196  | 297651   | 36.674 | nq    | 94       |
| 44) 2,4,5-Trichlorophenol      | 9.29  | 196  | 319448   | 37.924 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 9.44  | 154  | 1225957  | 32.653 | nq    | 100      |
| 47) 2-Chloronaphthalene        | 9.47  | 162  | 941006   | 34.026 | nq    | 98       |
| 48) 2-Nitroaniline             | 9.56  | 65   | 286848   | 40.417 | nq    | 96       |
| 49) Acenaphthylene             | 9.89  | 152  | 1455950  | 36.239 | nq    | 97       |
| 50) Dimethylphthalate          | 9.74  | 163  | 1259497  | 42.209 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.80  | 165  | 236019   | 41.644 | nq    | 100      |
| 52) Acenaphthene               | 10.06 | 154  | 922546   | 36.067 | nq    | 98       |
| 53) 3-Nitroaniline             | 9.97  | 138  | 208389   | 30.227 | nq    | 95       |
| 54) 2,4-Dinitrophenol          | 10.07 | 184  | 95302    | 55.816 | nq    | # 85     |
| 55) Dibenzofuran               | 10.23 | 168  | 1271790  | 34.864 | nq    | 97       |
| 56) 4-Nitrophenol              | 10.13 | 139  | 511365   | 97.210 | nq    | 89       |
| 57) 2,4-Dinitrotoluene         | 10.20 | 165  | 306624   | 43.323 | nq    | # 89     |
| 58) Fluorene                   | 10.57 | 166  | 985746   | 37.122 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.34 | 232  | 257739   | 38.608 | nq    | 96       |
| 60) Diethylphthalate           | 10.44 | 149  | 1026178  | 34.819 | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 10.56 | 204  | 467320   | 33.784 | nq    | 98       |
| 62) 4-Nitroaniline             | 10.59 | 138  | 241411   | 36.992 | nq    | 91       |
| 63) Azobenzene                 | 10.72 | 77   | 1008227  | 32.747 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 101110   | 39.657 | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 10.68 | 169  | 866208   | 35.422 | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 11.05 | 248  | 285532   | 35.884 | nq    | 93       |
| 68) Hexachlorobenzene          | 11.12 | 284  | 294697   | 34.731 | nq    | # 89     |
| 69) Atrazine                   | 11.20 | 200  | 274509   | 35.937 | nq    | 99       |
| 70) Pentachlorophenol          | 11.31 | 266  | 266305   | 55.148 | nq    | 96       |
| 71) Phenanthrene               | 11.54 | 178  | 1353453  | 35.607 | nq    | 100      |
| 72) Anthracene                 | 11.59 | 178  | 1401200  | 36.666 | nq    | 100      |
| 73) Carbazole                  | 11.74 | 167  | 1153691  | 30.718 | nq    | 100      |
| 74) Di-n-butylphthalate        | 12.06 | 149  | 1495526  | 35.680 | nq    | 99       |
| 75) Fluoranthene               | 12.73 | 202  | 1190108  | 31.341 | nq    | 99       |
| 77) Benzdine                   | 12.85 | 184  | 650459   | 40.576 | nq    | 97       |
| 78) Pyrene                     | 12.96 | 202  | 1144639  | 37.274 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.57 | 149  | 484204   | 39.001 | nq    | 95       |
| 81) Benzo(a)anthracene         | 14.14 | 228  | 904291   | 36.719 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 272398   | 31.550 | nq    | 99       |
| 83) Chrysene                   | 14.19 | 228  | 848179   | 36.183 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.12 | 149  | 674167   | 41.268 | nq    | 96       |
| 85) Di-n-octyl phthalate       | 14.74 | 149  | 1084051  | 47.068 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 17.25 | 276  | 1038447  | 55.020 | nq    | # 95     |
| 88) Benzo(b)fluoranthene       | 15.23 | 252  | 921338   | 35.848 | nq    | 97       |
| 89) Benzo(k)fluoranthene       | 15.26 | 252  | 844405   | 33.332 | nq    | 98       |
| 90) Benzo(a)pyrene             | 15.62 | 252  | 877187   | 37.109 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.27 | 278  | 860860   | 41.094 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.73 | 276  | 832679   | 39.341 | nq    | # 94     |

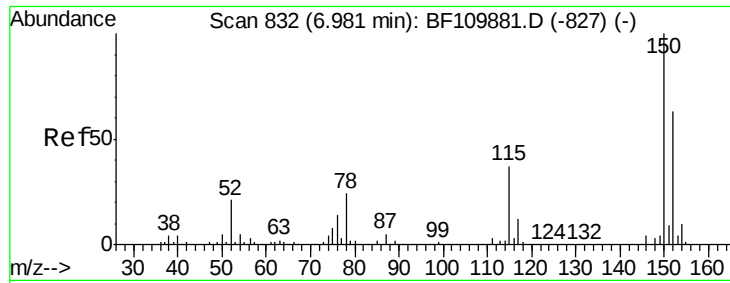
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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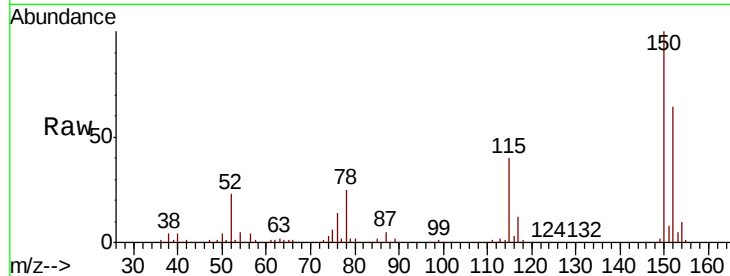


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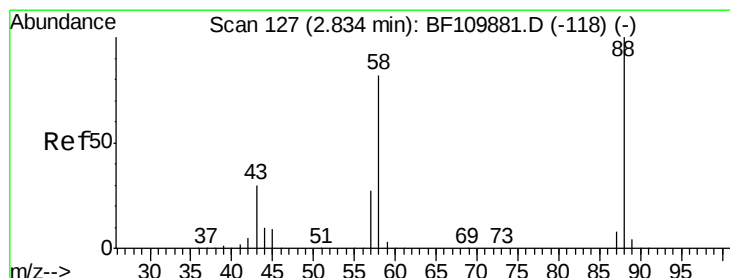
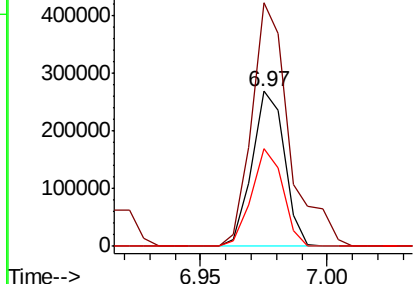
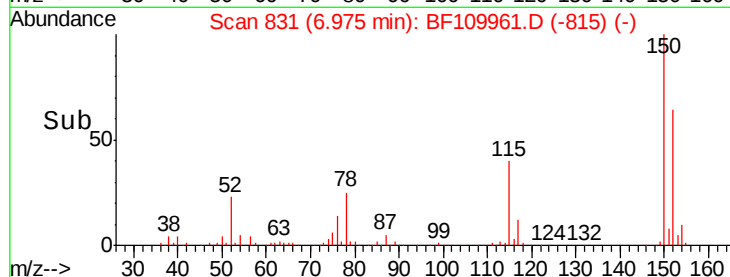
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 241882  
Ion Ratio Lower Upper  
152 100  
150 157.4 122.7 184.1  
115 62.8 49.1 73.7



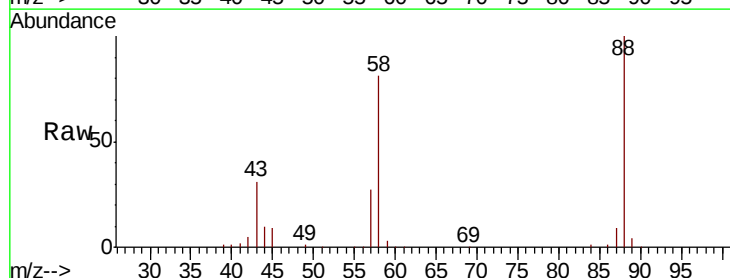
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



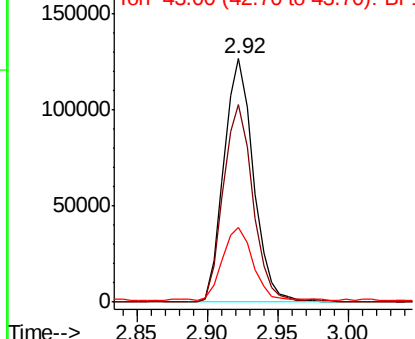
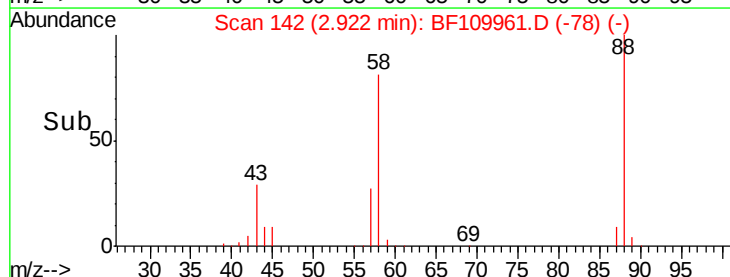
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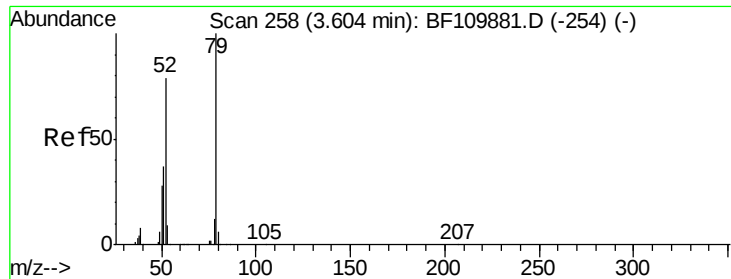
1,4-Dioxane  
Concen: 21.345 ng  
RT: 2.92 min Scan# 142  
Delta R.T. 0.08 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion: 88 Resp: 184990  
Ion Ratio Lower Upper  
88 100  
58 81.9 57.1 85.7  
43 30.7 24.1 36.1



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 27.373 ng

RT: 3.68 min Scan# 270

Delta R.T. 0.06 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

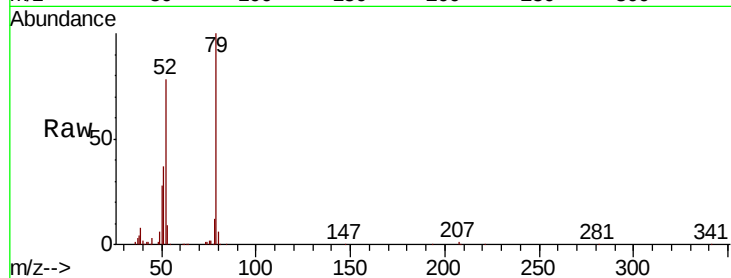
Tot Ion: 79 Resp: 528902

Ion Ratio Lower Upper

79 100

52 77.9 53.1 79.7

51 36.8 27.4 41.2



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

300000

250000

200000

150000

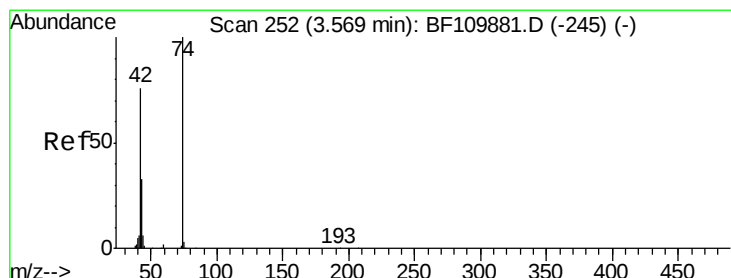
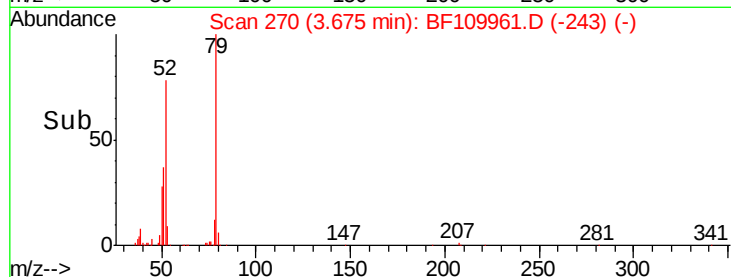
100000

50000

0

Time-->

3.60 3.70 3.80 3.90



#4

n-Nitrosodimethylamine

Concen: 32.677 ng

RT: 3.63 min Scan# 263

Delta R.T. 0.05 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

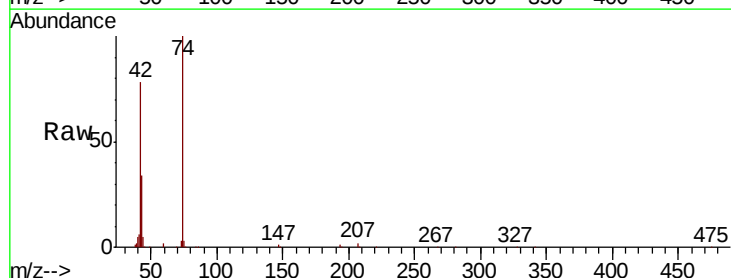
Tgt Ion: 42 Resp: 257567

Ion Ratio Lower Upper

42 100

74 129.0 105.5 158.3

44 6.8 4.9 7.3



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1

250000

200000

150000

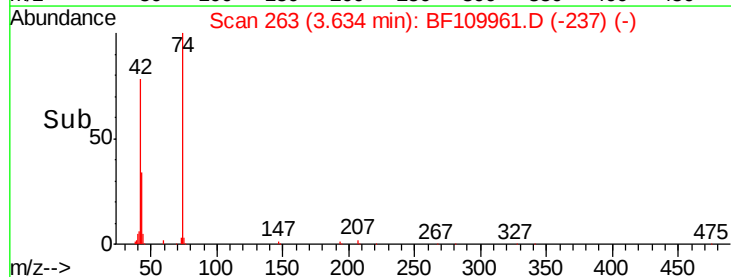
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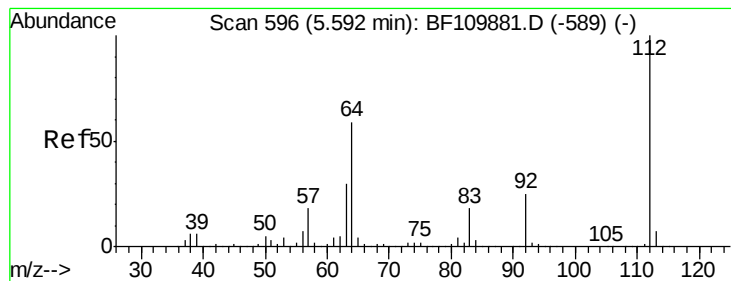
50000

0

Time-->

3.60 3.70





#5

2-Fluorophenol

Concen: 102.124 ng

RT: 5.61 min Scan# 599

Delta R.T. 0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

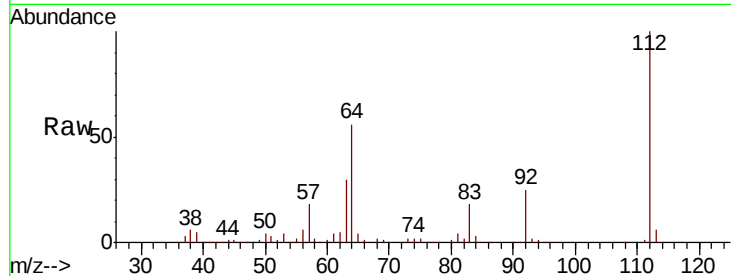
Tot Ion:112 Resp: 1558343

Ion Ratio Lower Upper

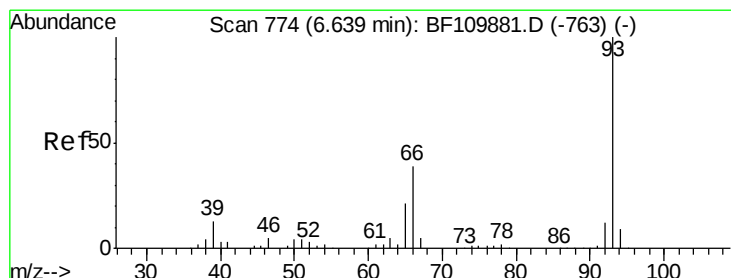
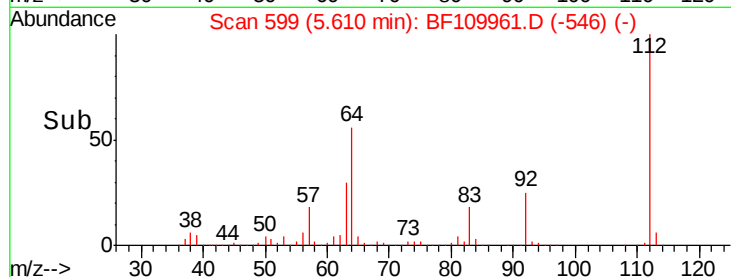
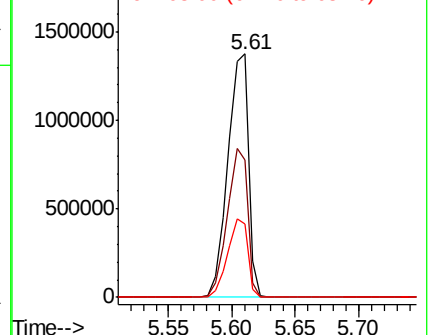
112 100

64 56.5 44.1 66.1

63 30.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 28.724 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

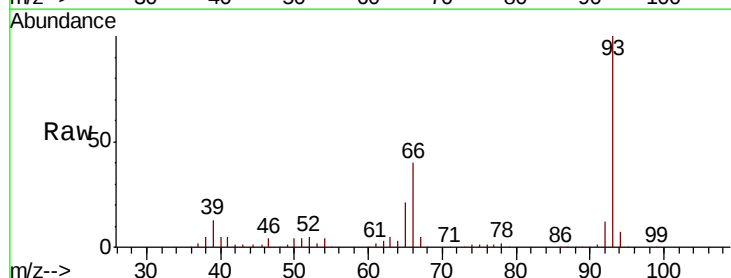
Tgt Ion: 93 Resp: 733457

Ion Ratio Lower Upper

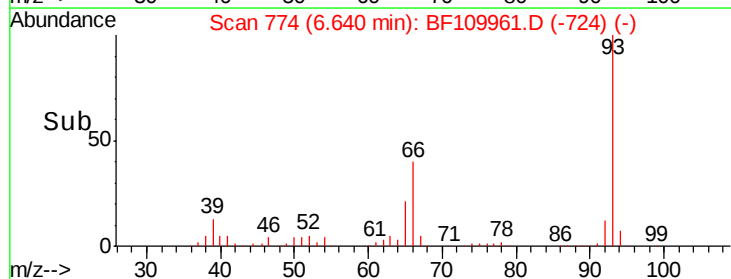
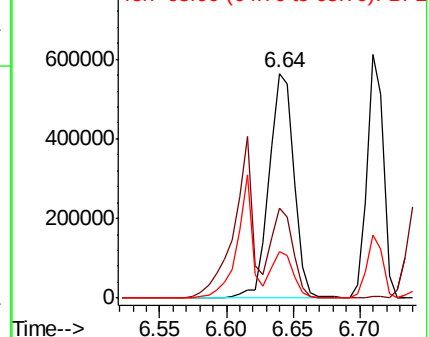
93 100

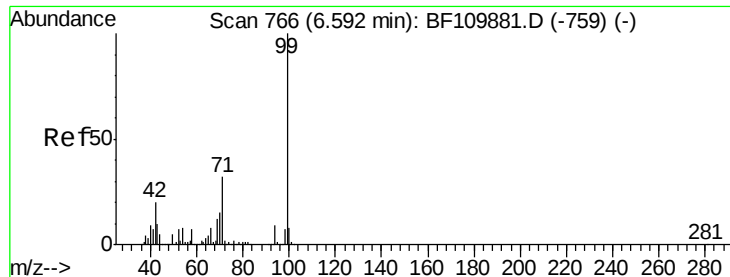
66 40.1 67.4 101.0#

65 20.9 41.0 61.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 104.544 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

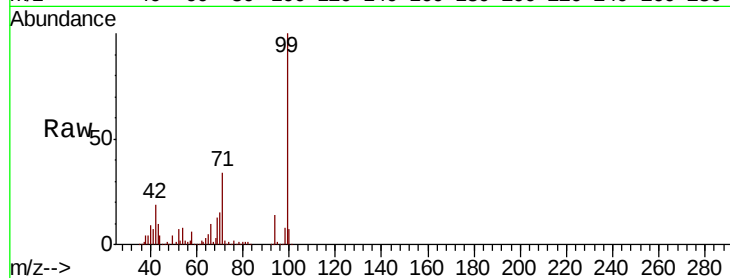
Tot Ion: 99 Resp: 1980910

Ion Ratio Lower Upper

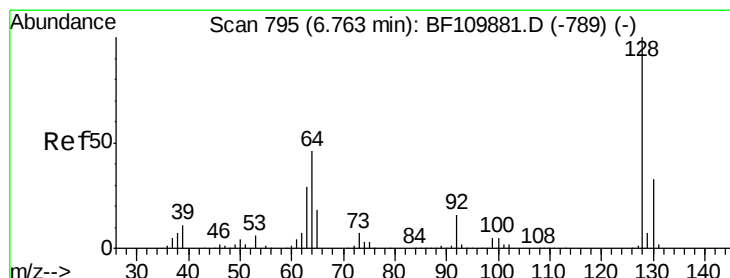
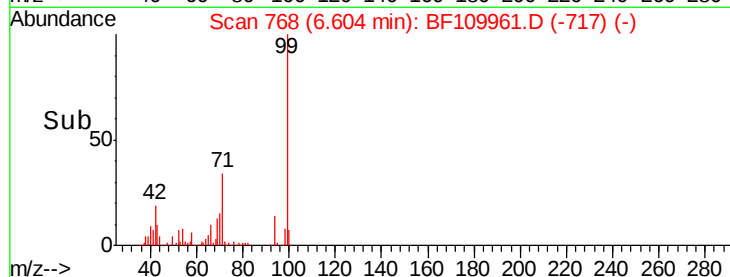
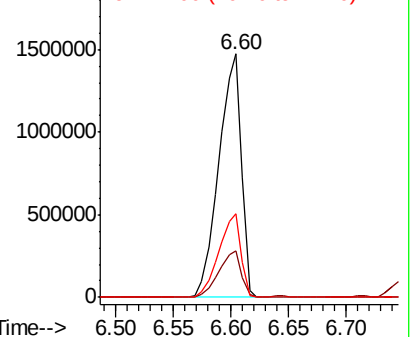
99 100

42 19.1 15.8 23.6

71 34.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 31.310 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

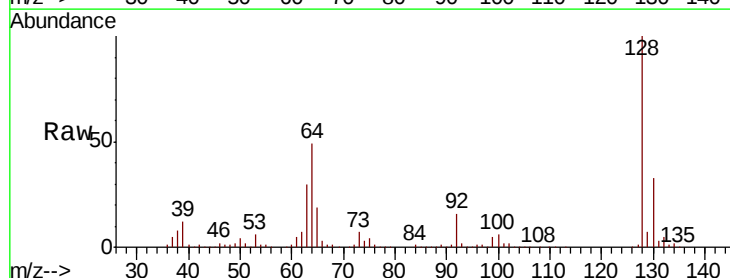
Tgt Ion: 128 Resp: 535170

Ion Ratio Lower Upper

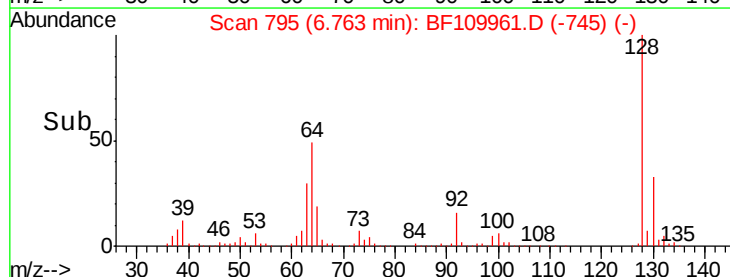
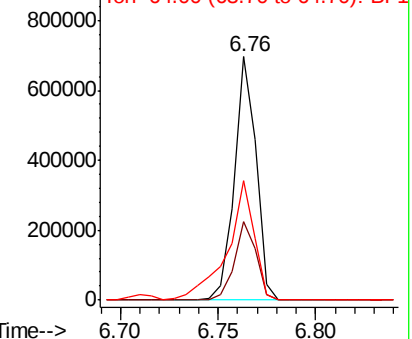
128 100

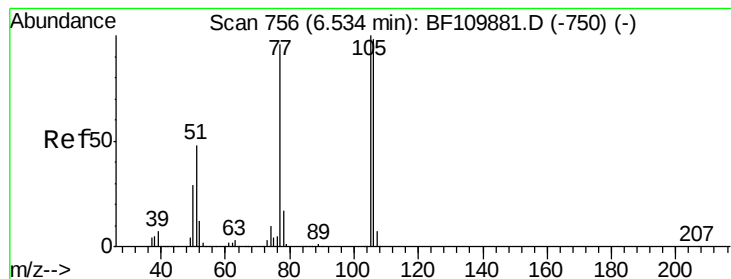
130 32.5 13.1 53.1

64 49.1 26.0 66.0



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 27.000 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampled :

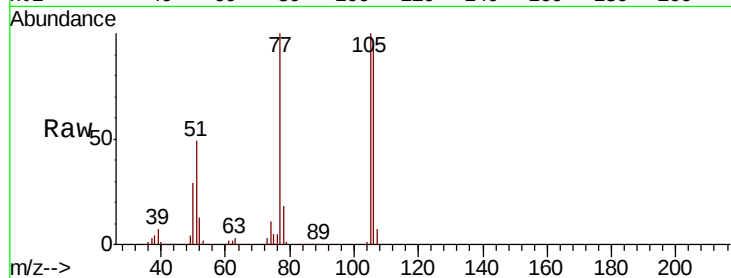
Tot Ion: 77 Resp: 332456

Ion Ratio Lower Upper

77 100

105 99.5 78.6 118.6

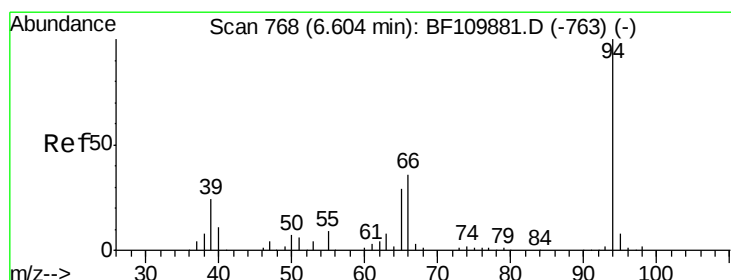
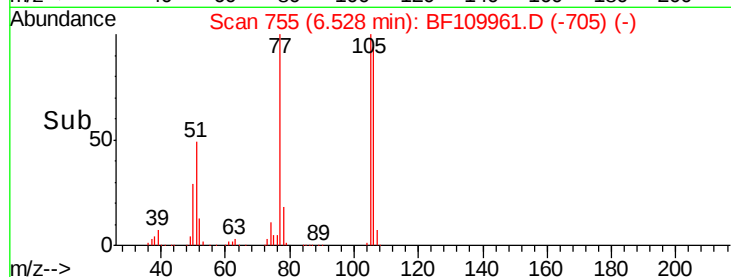
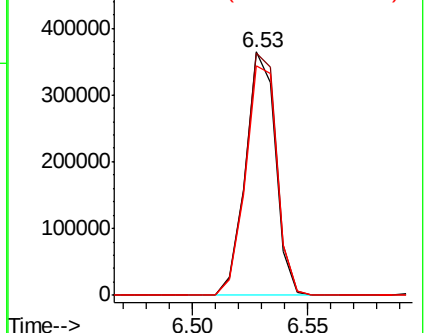
106 94.4 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 39.302 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

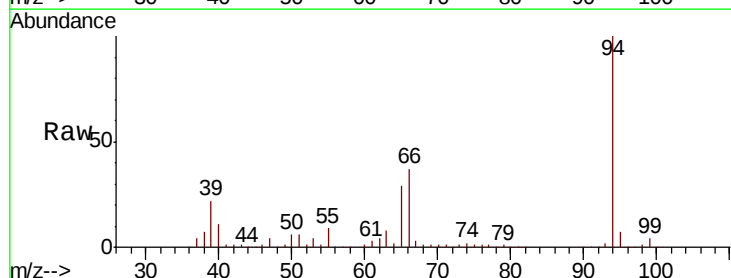
Tgt Ion: 94 Resp: 804035

Ion Ratio Lower Upper

94 100

65 28.5 25.3 65.3

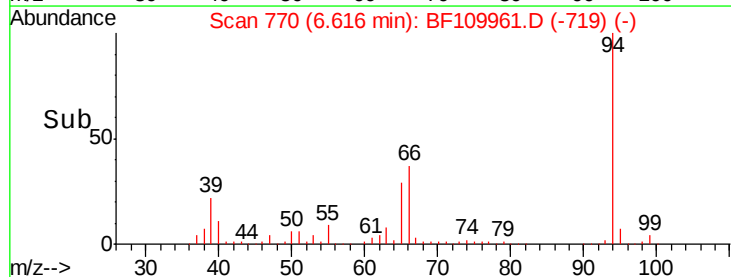
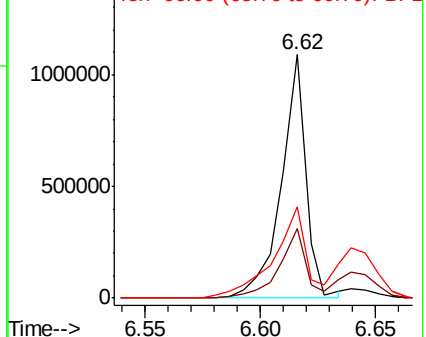
66 37.4 54.5 94.5#

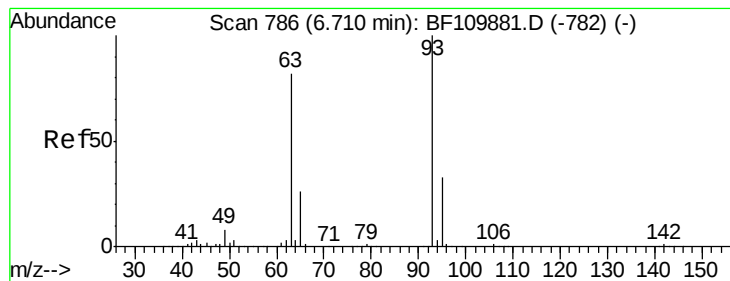


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

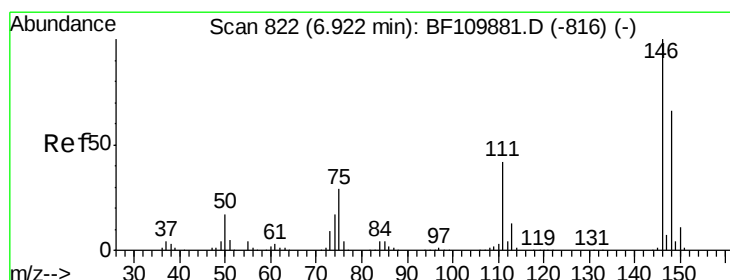
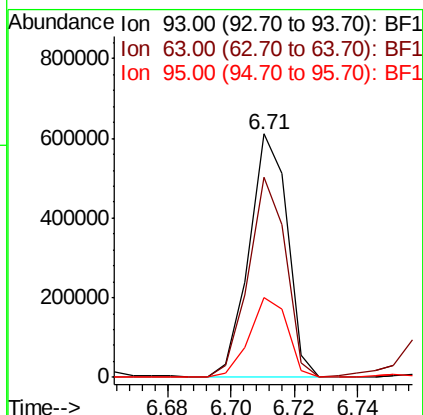
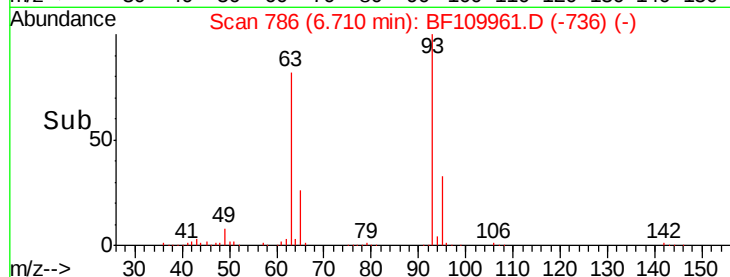
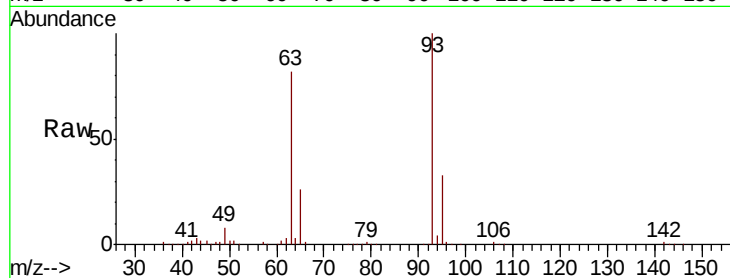




#11  
bis(2-Chloroethyl)ether  
Concen: 29.890 ng  
RT: 6.71 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

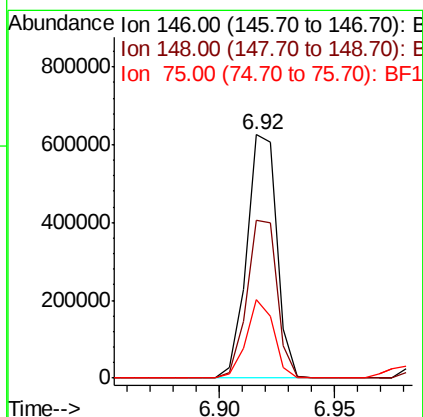
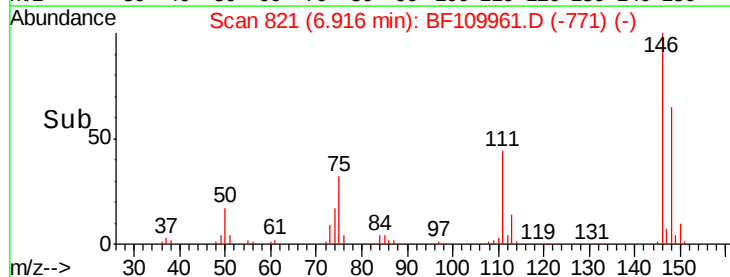
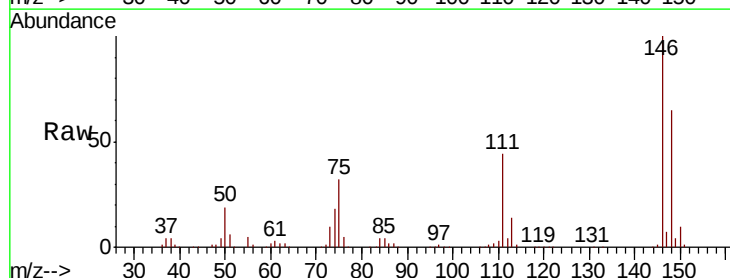
Instrument :  
BNA\_F  
ClientSampleId :

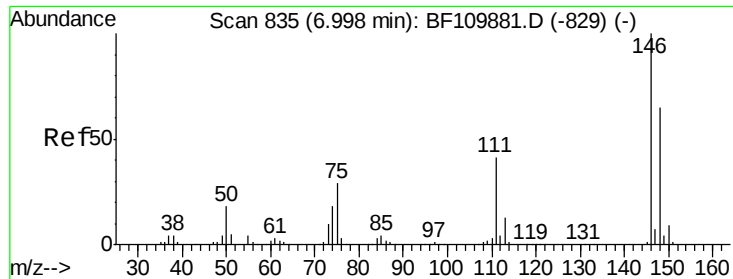
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 82.4  | 53.4  | 93.4  |
| 95      | 32.7  | 12.1  | 52.1  |



#12  
1,3-Dichlorobenzene  
Concen: 30.549 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 50.4  | 75.6  |
| 75      | 32.2  | 25.8  | 38.6  |

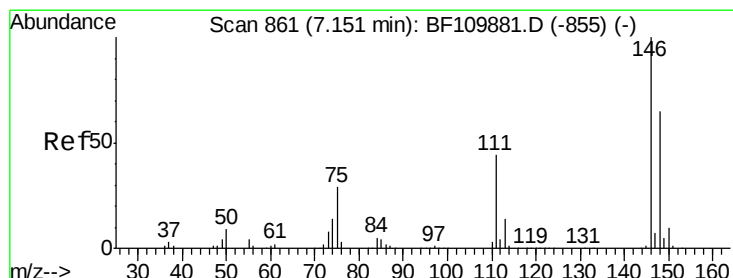
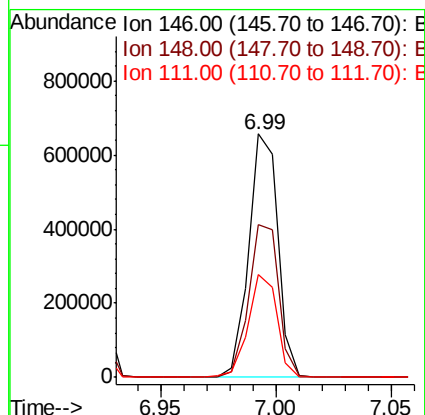
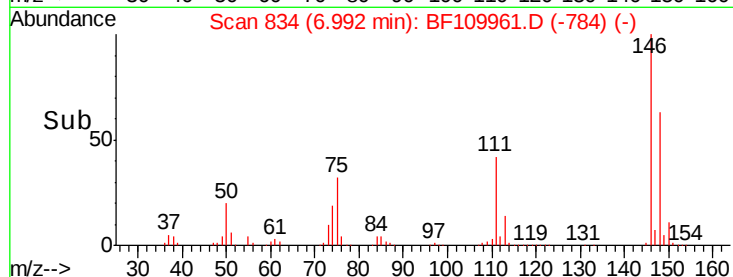
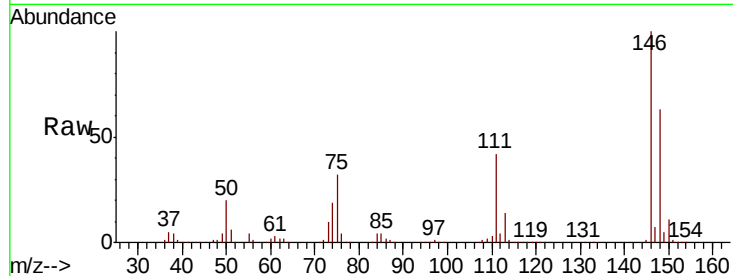




#13  
 1,4-Dichlorobenzene  
 Concen: 30.700 ng  
 RT: 6.99 min Scan# 834  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

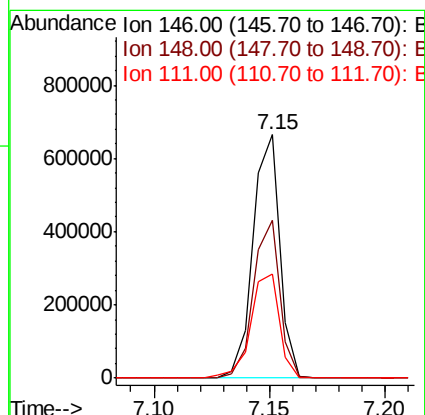
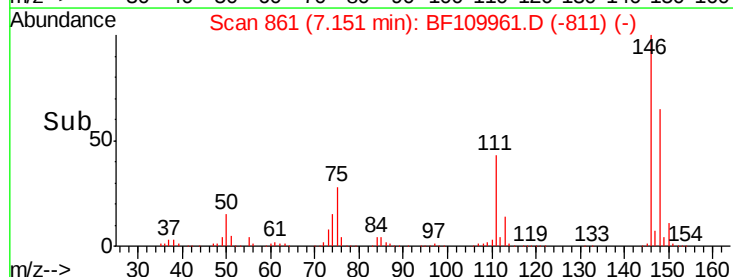
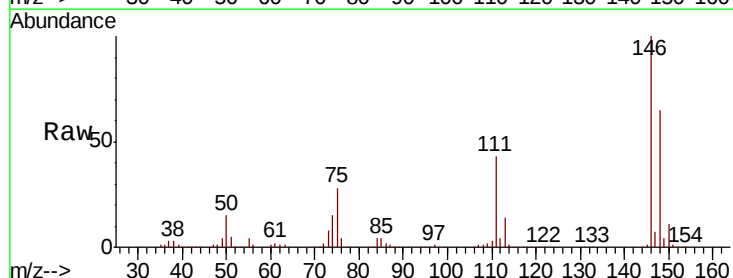
Instrument :  
 BNA\_F  
 ClientSampleId :

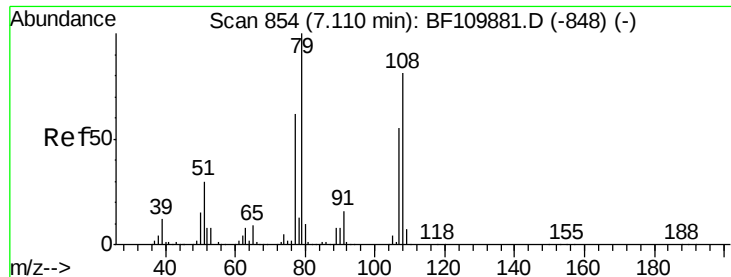
Tot Ion:146 Resp: 579496  
 Ion Ratio Lower Upper  
 146 100  
 148 62.6 50.3 75.5  
 111 42.3 32.7 49.1



#14  
 1,2-Dichlorobenzene  
 Concen: 31.139 ng  
 RT: 7.15 min Scan# 861  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Tgt Ion:146 Resp: 541258  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 51.1 76.7  
 111 42.8 35.8 53.6





#15

Benzyl Alcohol

Concen: 32.432 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

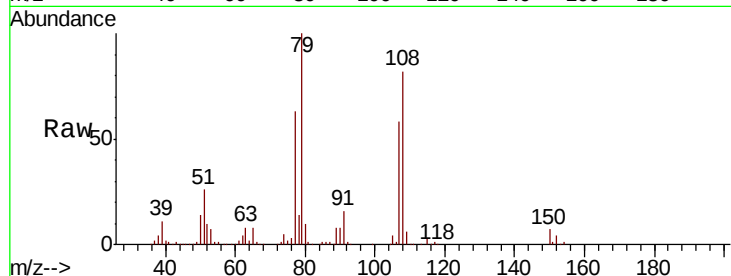
Tot Ion: 79 Resp: 472772

Ion Ratio Lower Upper

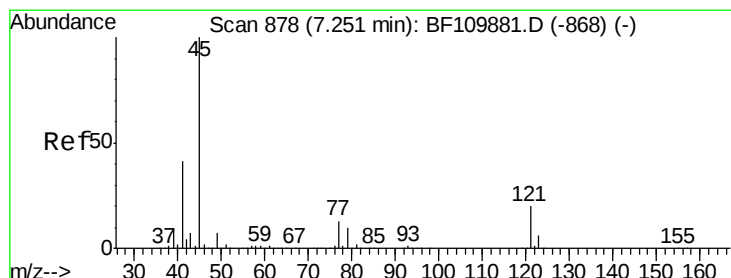
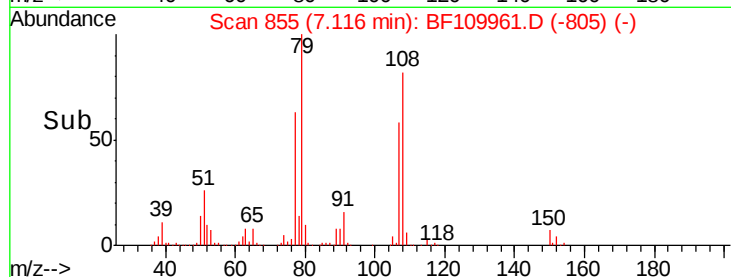
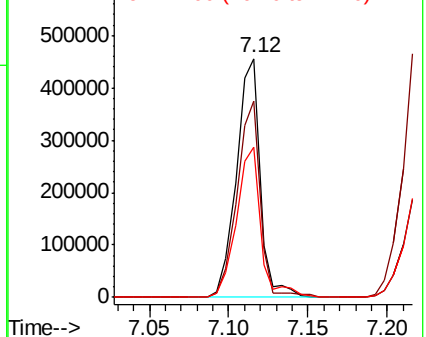
79 100

108 82.2 56.3 84.5

77 62.9 52.9 79.3



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 29.847 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

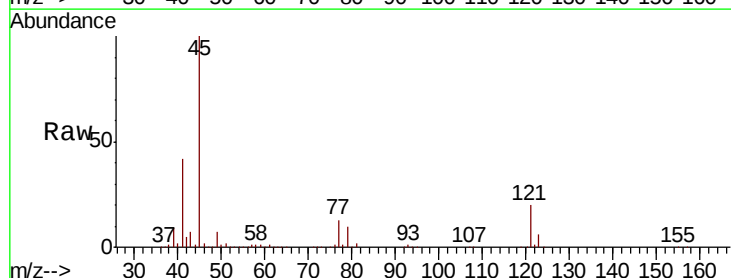
Tgt Ion: 45 Resp: 837960

Ion Ratio Lower Upper

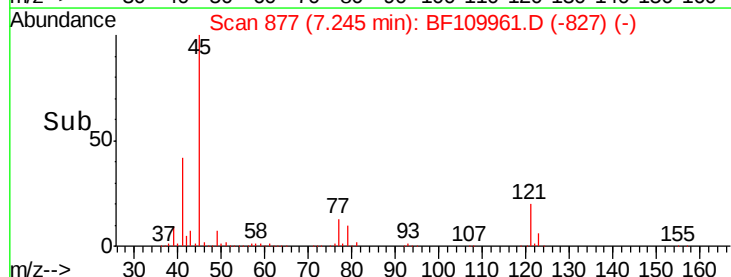
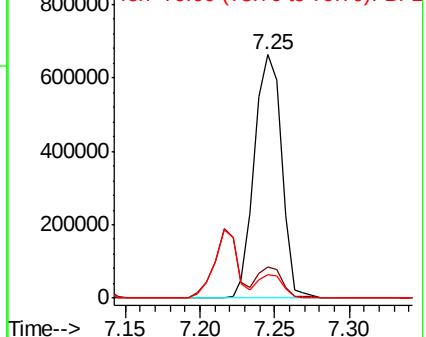
45 100

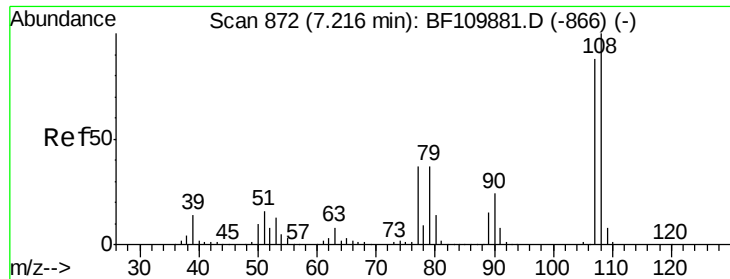
77 12.8 10.0 50.0

79 9.7 6.1 46.1



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 32.379 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF109961.D

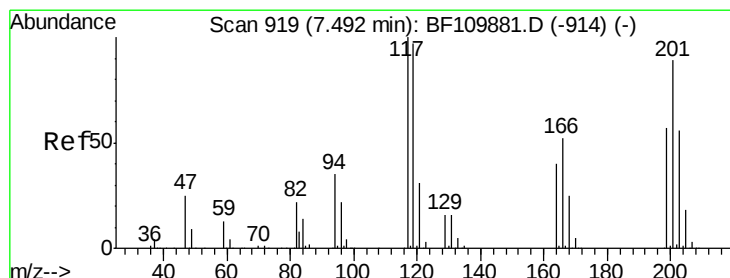
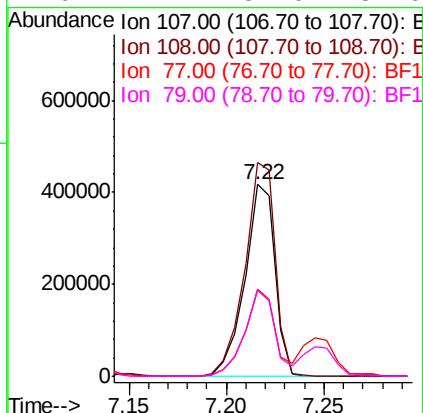
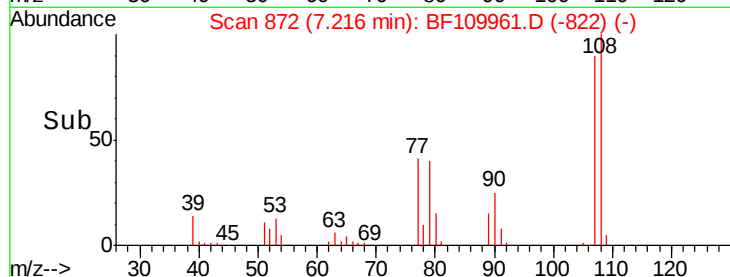
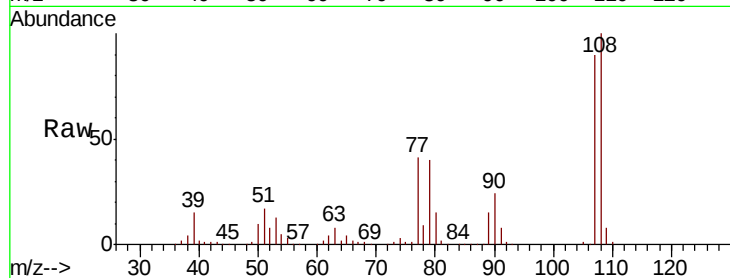
Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 446291 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.6 | 92.6  | 138.8  |
| 77       | 45.3  | 59.4  | 89.2#  |
| 79       | 44.7  | 54.0  | 81.0#  |



#18

Hexachloroethane

Concen: 32.122 ng

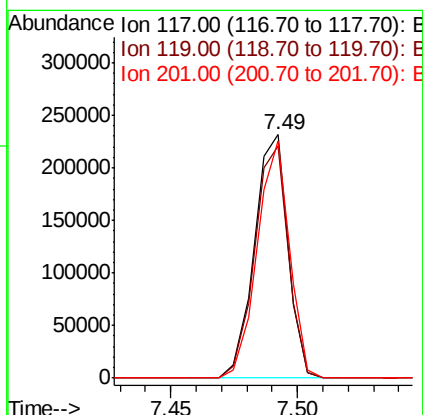
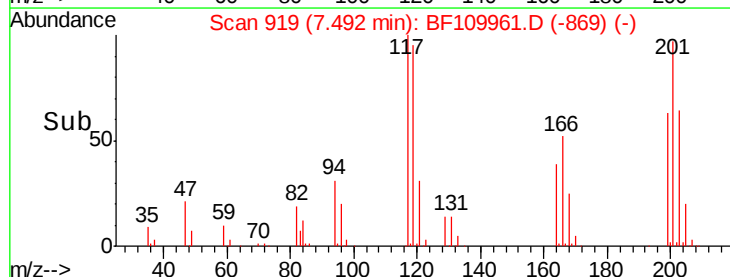
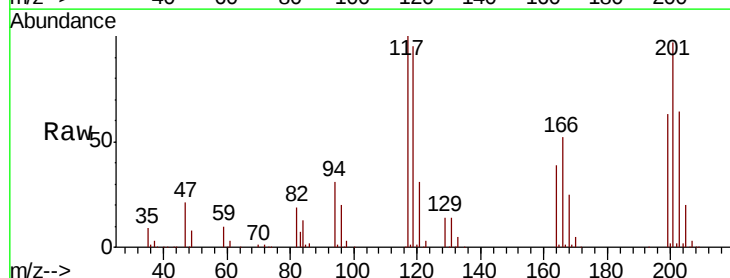
RT: 7.49 min Scan# 919

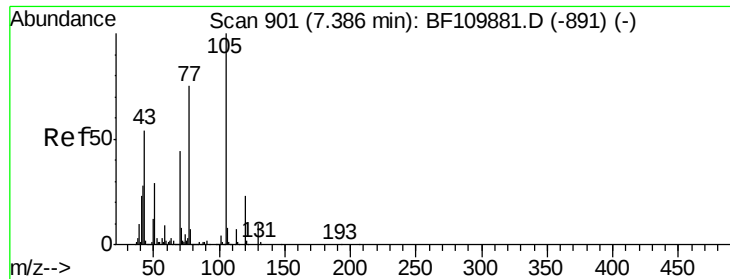
Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 214271 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.2  | 75.0  | 112.6  |
| 201      | 97.3  | 79.2  | 118.8  |

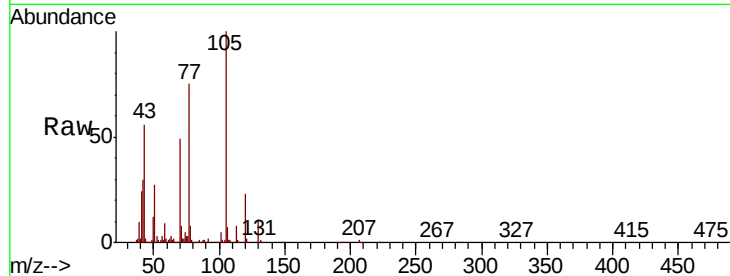




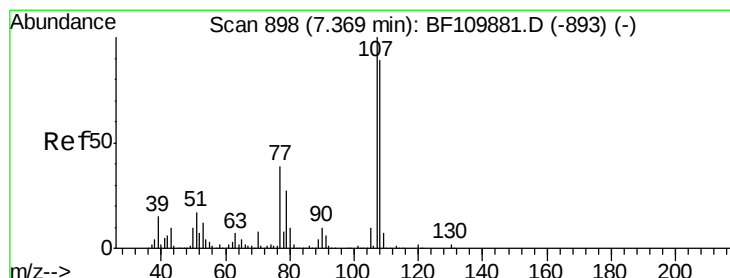
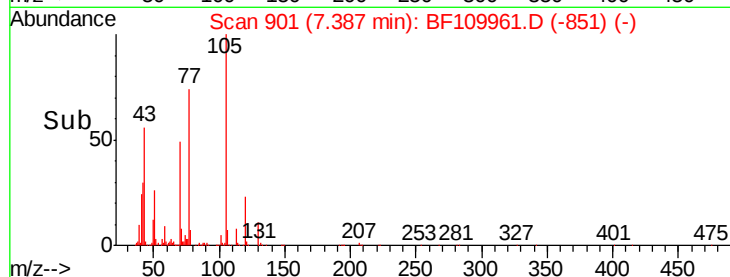
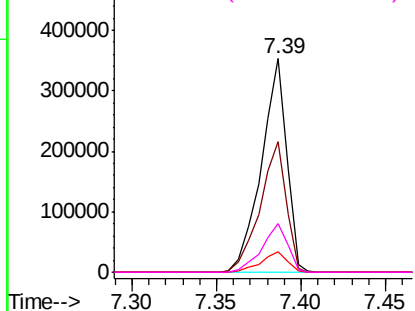
#19  
n-Nitroso-di-n-propylamine  
Concen: 30.169 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 367036  
Ion Ratio Lower Upper  
70 100  
42 61.0 47.4 71.2  
101 9.4 7.3 10.9  
130 22.7 16.2 24.2

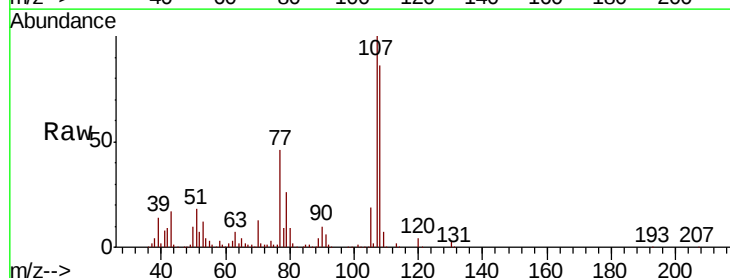


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

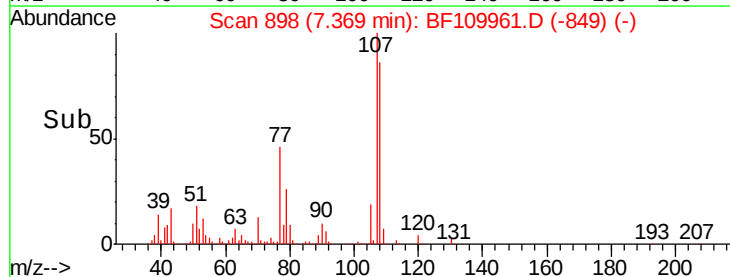
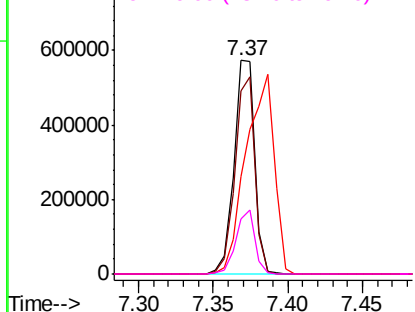


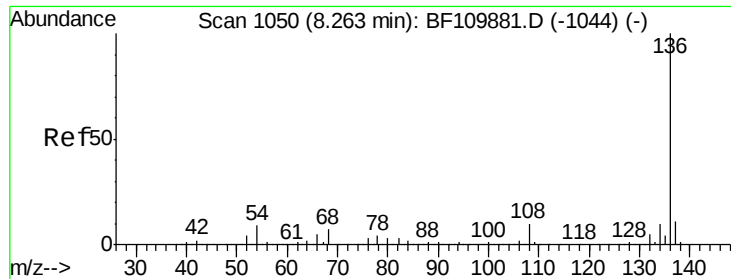
#20  
3+4-Methylphenols  
Concen: 32.104 ng  
RT: 7.37 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:107 Resp: 561520  
Ion Ratio Lower Upper  
107 100  
108 85.8 71.4 111.4  
77 45.7 47.3 87.3#  
79 26.1 10.9 50.9



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 927261

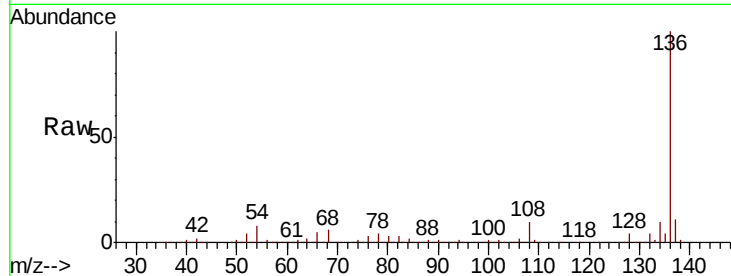
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.1 5.4 8.2

68 5.9 4.2 6.2

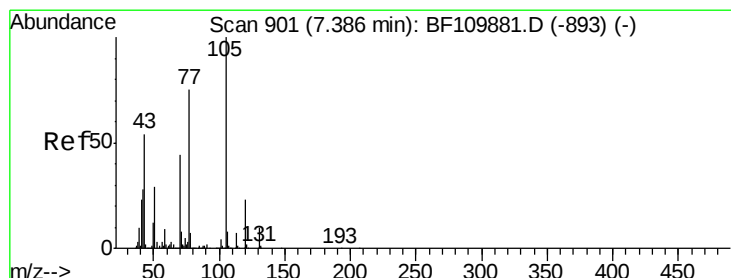
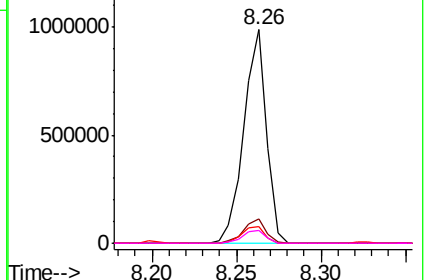
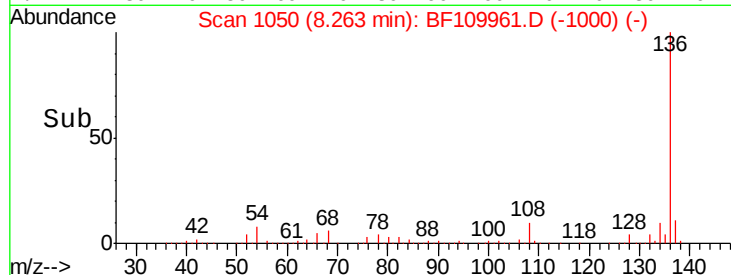


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 33.848 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Tgt Ion:105 Resp: 727872

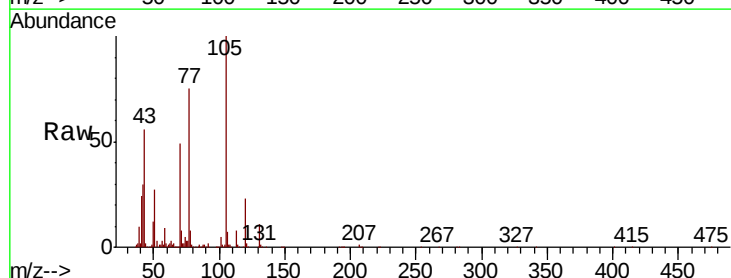
Ion Ratio Lower Upper

105 100

71 8.1 5.2 7.8#

51 27.0 21.8 32.8

120 22.6 17.0 25.4

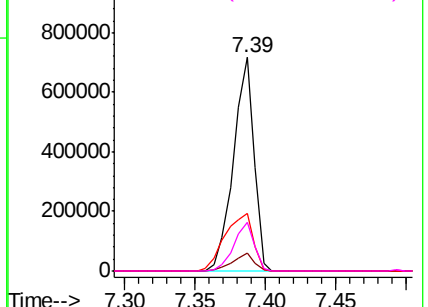
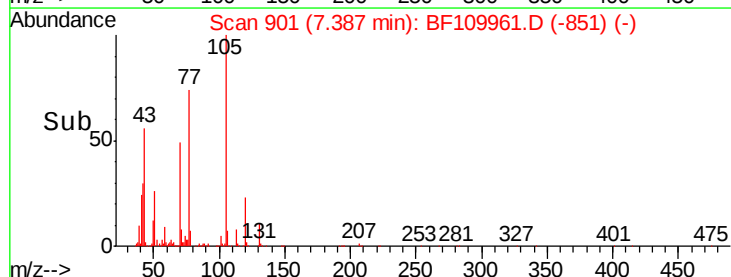


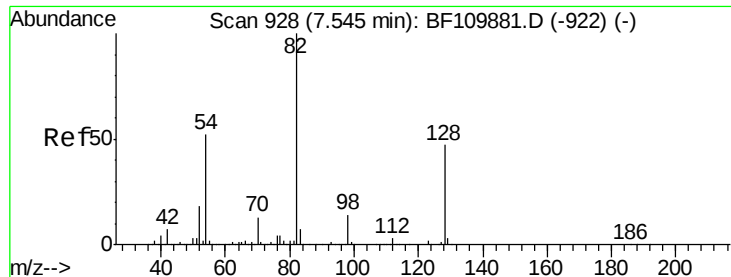
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



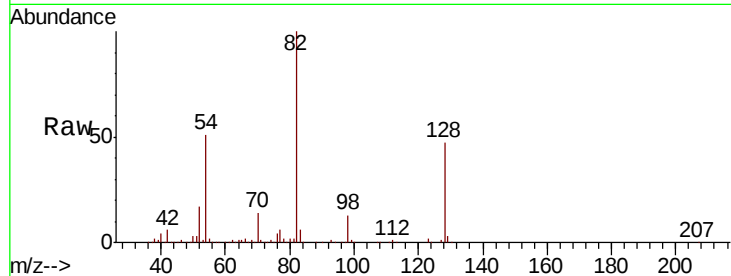


#23  
 Nitrobenzene-d5  
 Concen: 89.564 ng  
 RT: 7.55 min Scan# 928  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

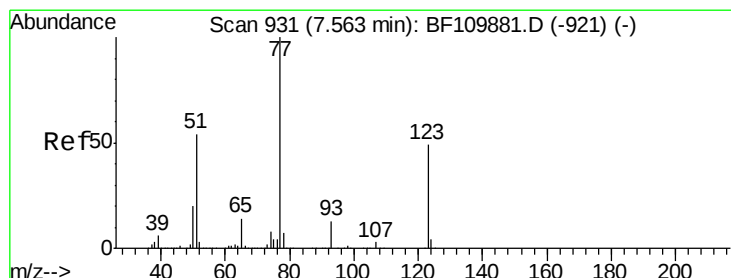
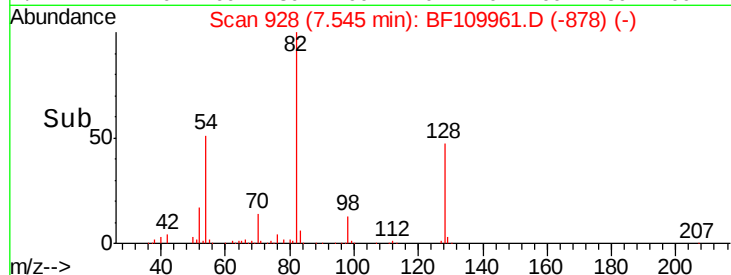
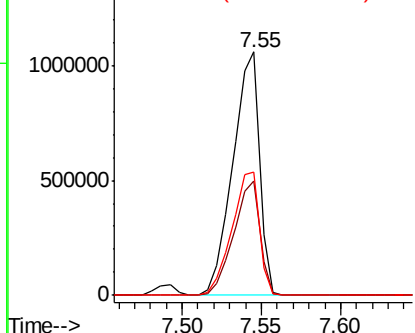
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 82 Resp: 1232849  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.1  | 34.2  | 51.2  |
| 54  | 50.6  | 38.6  | 58.0  |



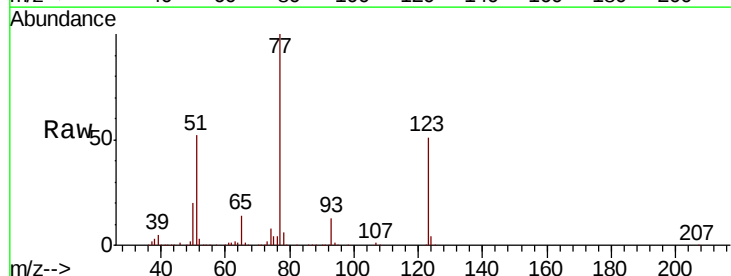
Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1



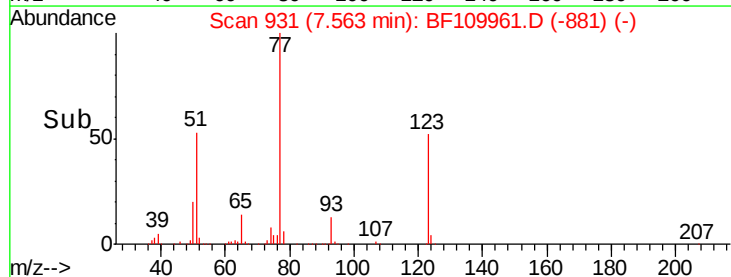
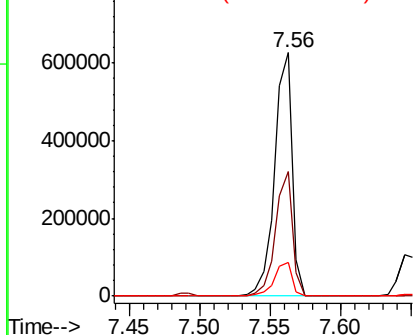
#24  
 Nitrobenzene  
 Concen: 36.592 ng  
 RT: 7.56 min Scan# 931  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

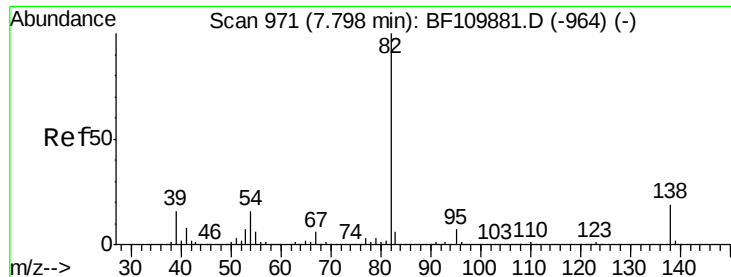
Tgt Ion: 77 Resp: 547169  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 51.3  | 35.7  | 53.5  |
| 65  | 13.8  | 10.7  | 16.1  |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 37.626 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

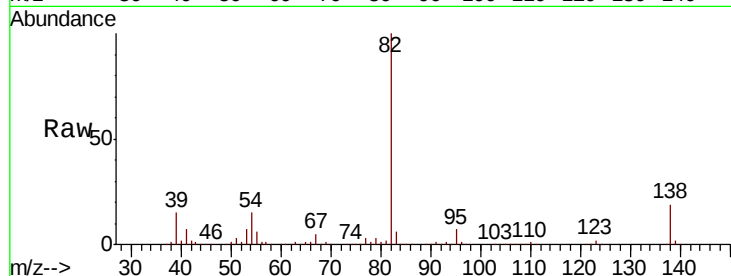
Tot Ion: 82 Resp: 1017663

Ion Ratio Lower Upper

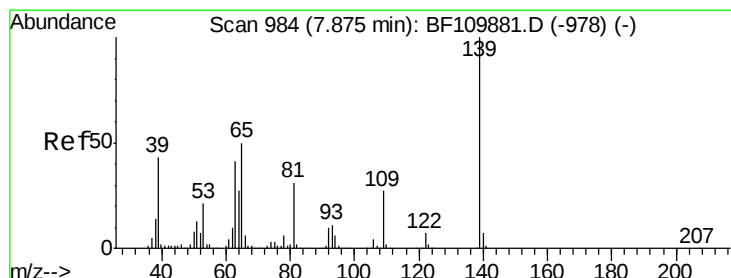
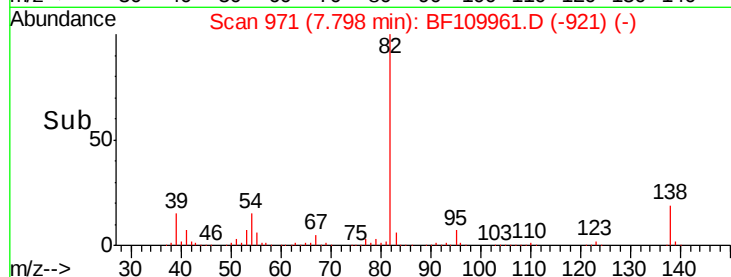
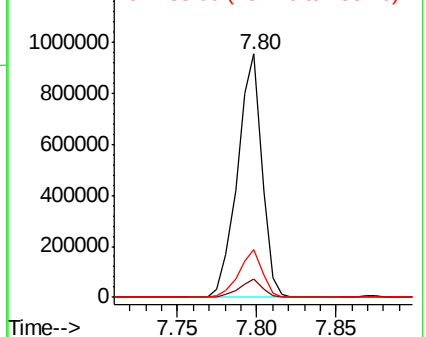
82 100

95 7.3 5.7 8.5

138 19.4 13.2 19.8



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 44.470 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

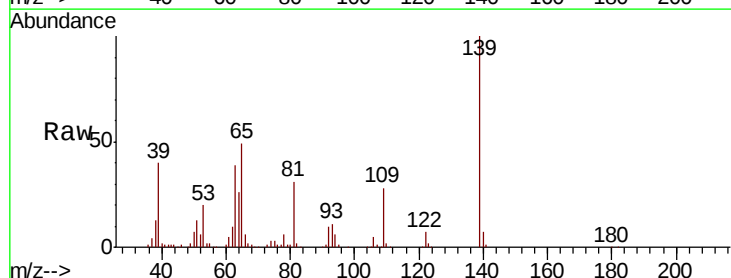
Tgt Ion: 139 Resp: 275716

Ion Ratio Lower Upper

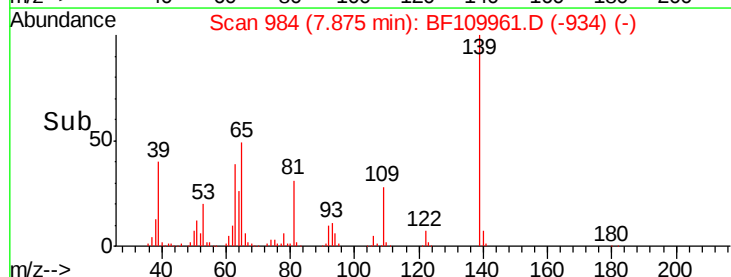
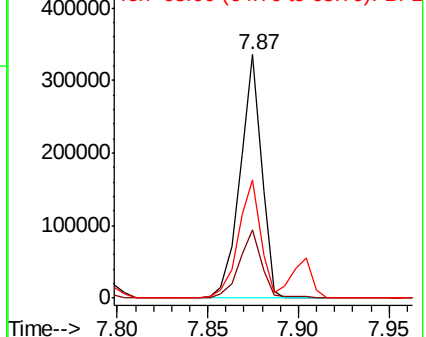
139 100

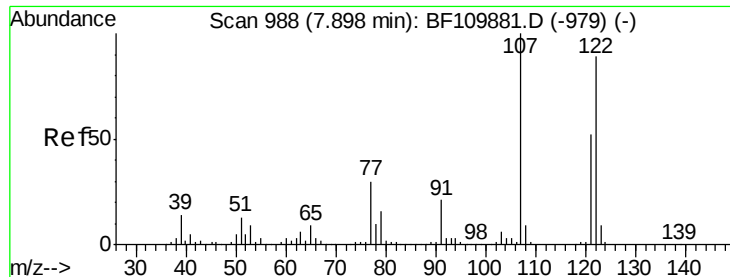
109 28.1 25.0 37.6

65 48.7 44.0 66.0



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1

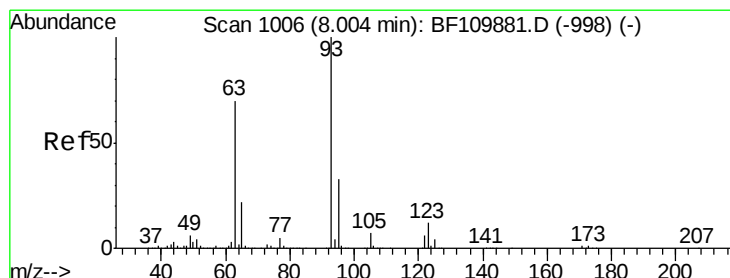
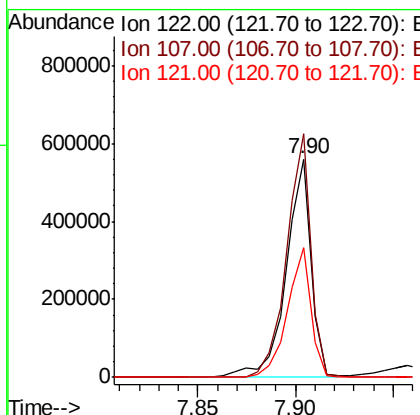
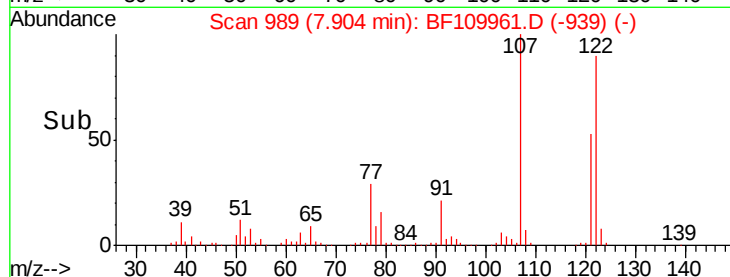
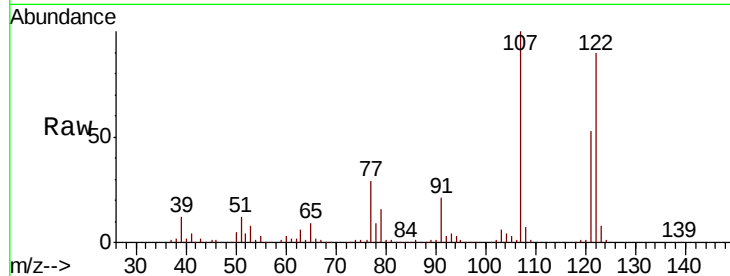




#27  
2,4-Dimethylphenol  
Concen: 38.222 ng  
RT: 7.90 min Scan# 989  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

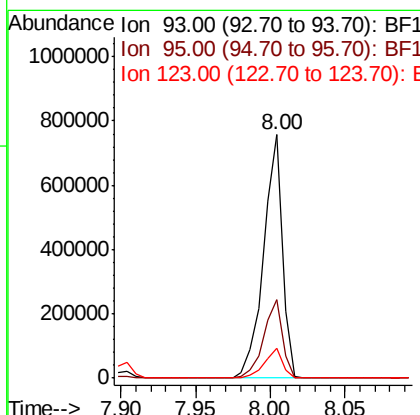
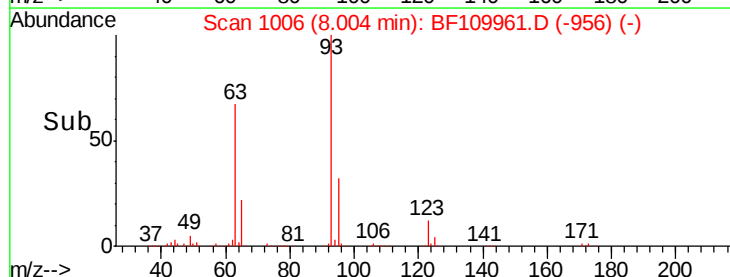
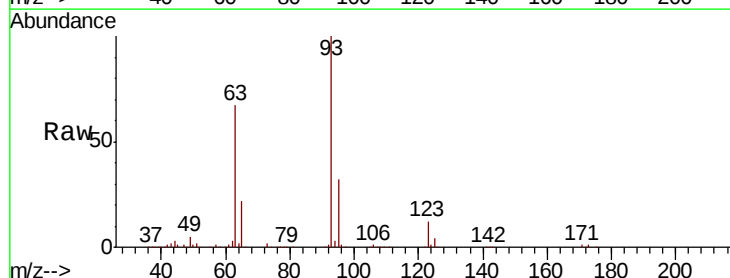
Instrument :  
BNA\_F  
ClientSampleId :

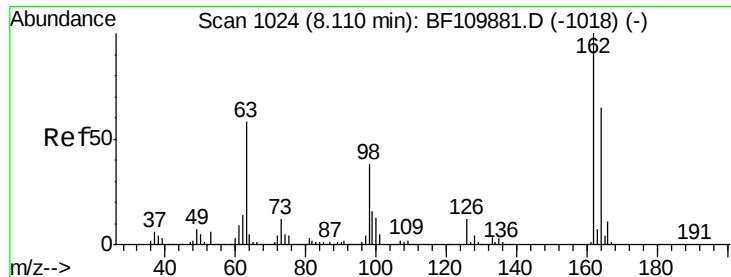
Tot Ion:122 Resp: 497946  
Ion Ratio Lower Upper  
122 100  
107 111.6 92.5 138.7  
121 59.2 45.8 68.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 35.257 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion: 93 Resp: 654436  
Ion Ratio Lower Upper  
93 100  
95 32.4 26.4 39.6  
123 12.1 9.0 13.6

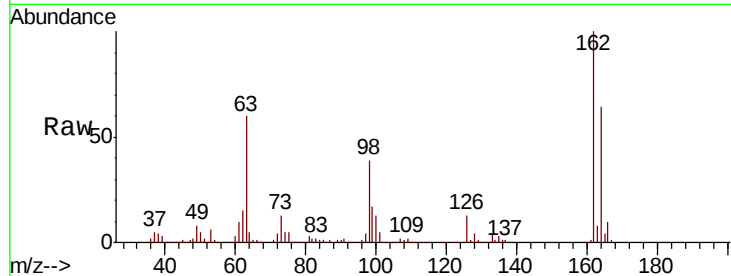




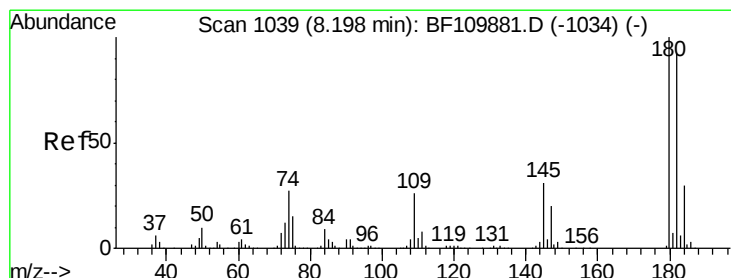
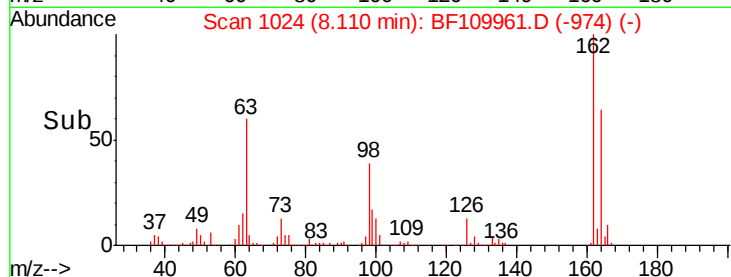
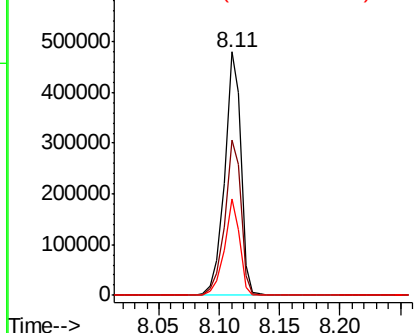
#29  
2,4-Dichlorophenol  
Concen: 35.287 ng  
RT: 8.11 min Scan# 1024  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.9  | 44.6  | 84.6  |
| 98      | 39.4  | 17.4  | 57.4  |

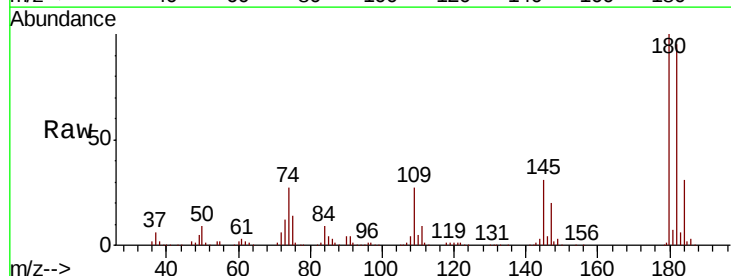


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

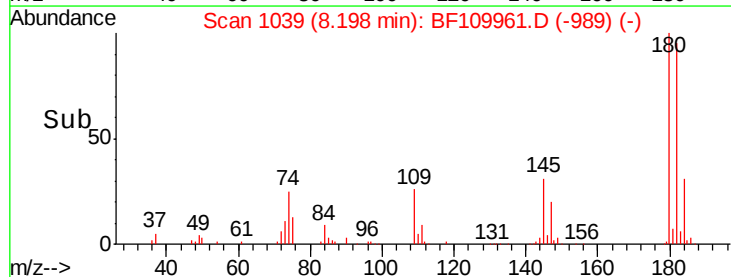
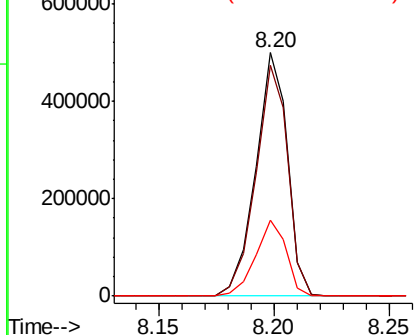


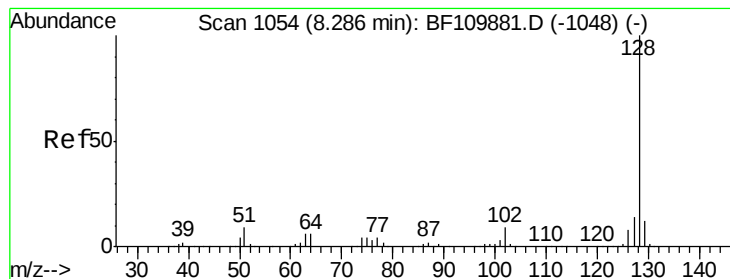
#30  
1,2,4-Trichlorobenzene  
Concen: 33.725 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 80.3  | 120.5 |
| 145     | 31.4  | 25.4  | 38.0  |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 35.804 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampled :

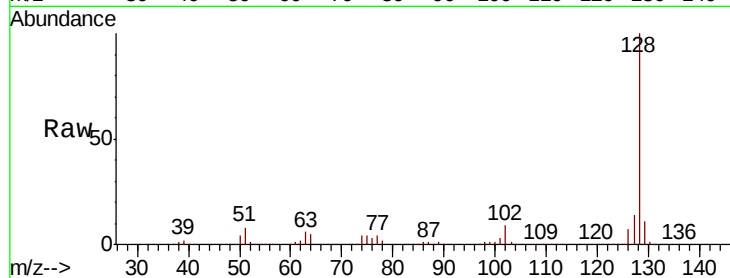
Tot Ion:128 Resp: 1522404

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

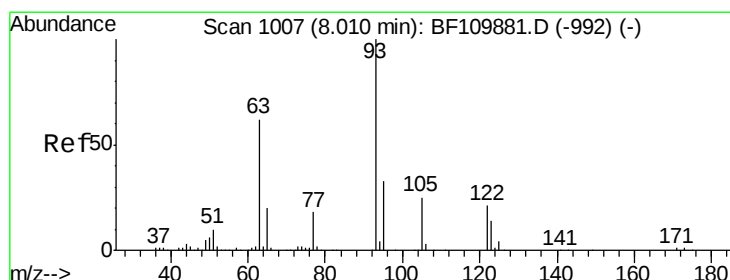
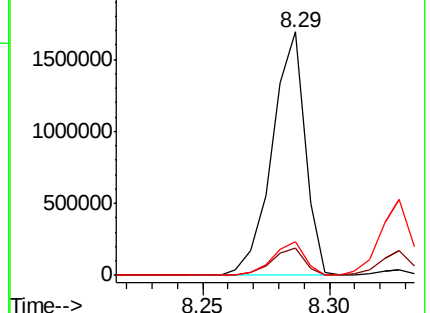
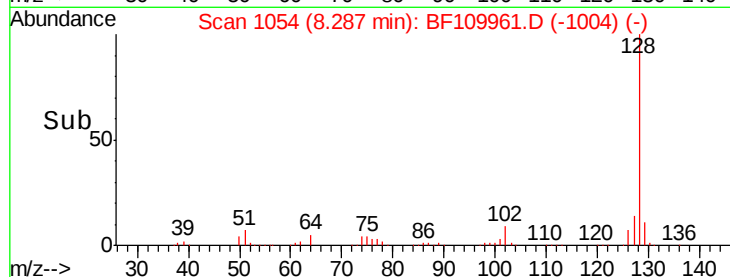
127 13.8 10.8 16.2



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: 5.287 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.05 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

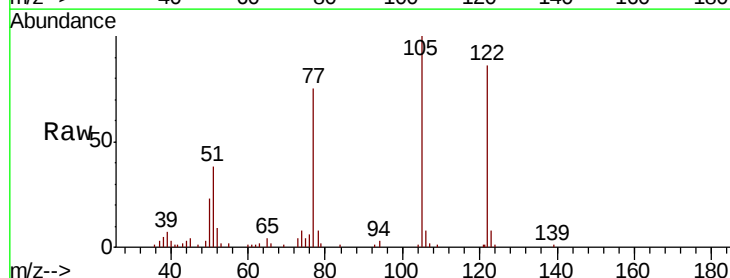
Tgt Ion:122 Resp: 42911

Ion Ratio Lower Upper

122 100

105 116.9 109.0 149.0

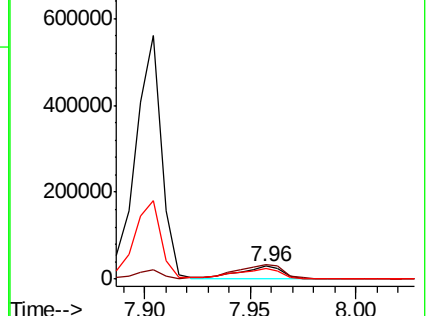
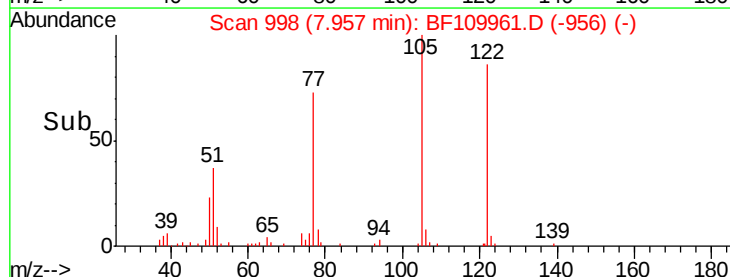
77 87.2 79.0 119.0

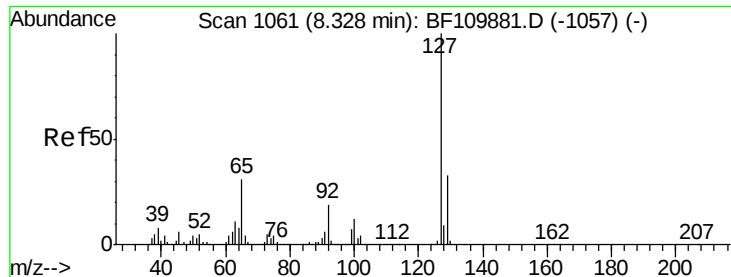


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

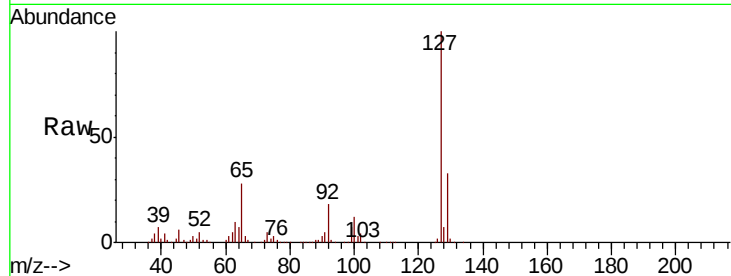




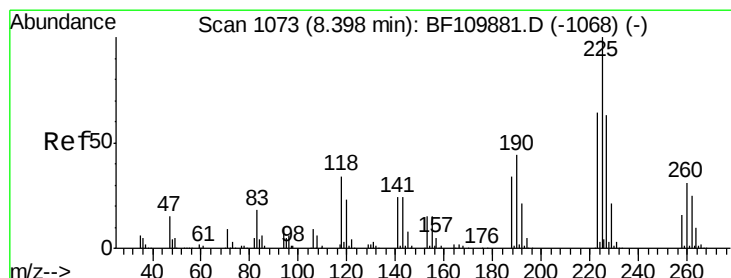
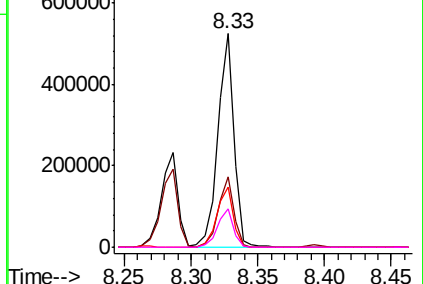
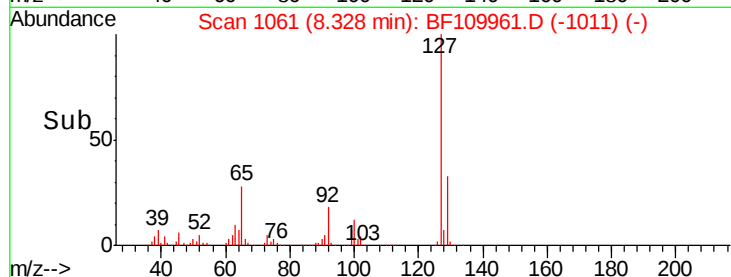
#33  
4-Chloroaniline  
Concen: 23.384 ng  
RT: 8.33 min Scan# 1061  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 446971    |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 32.9  | 26.0 39.0 |
| 65          | 28.2  | 25.1 37.7 |
| 92          | 18.3  | 15.0 22.6 |

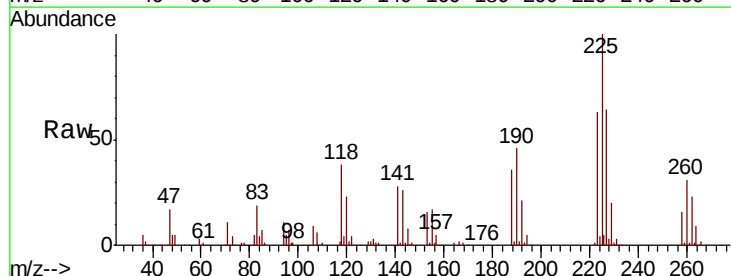


Abundance Ion 127.00 (126.70 to 127.70): E  
800000  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

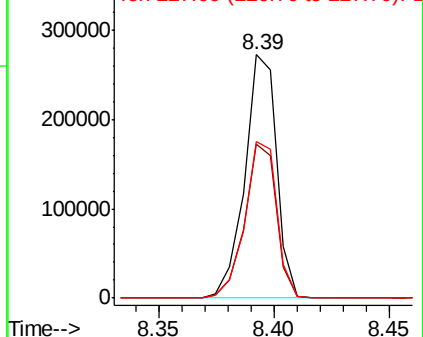
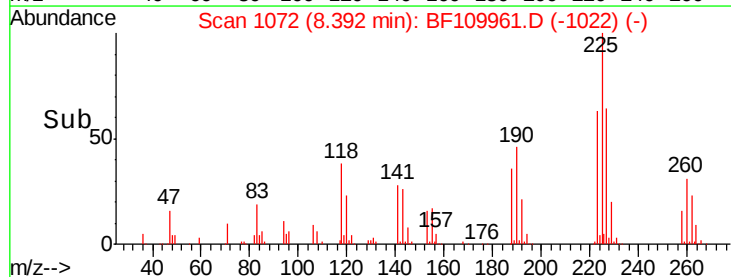


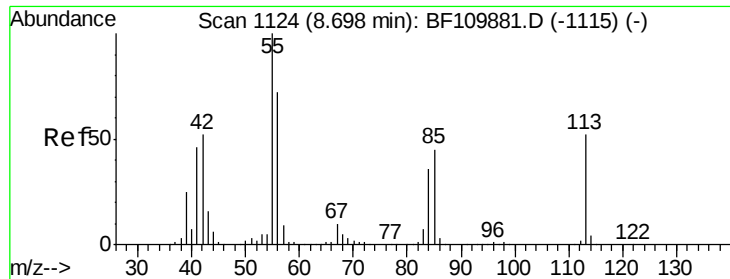
#34  
Hexachlorobutadiene  
Concen: 33.701 ng  
RT: 8.39 min Scan# 1072  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 262965    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.3  | 51.4 77.2 |
| 227         | 64.5  | 51.0 76.6 |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

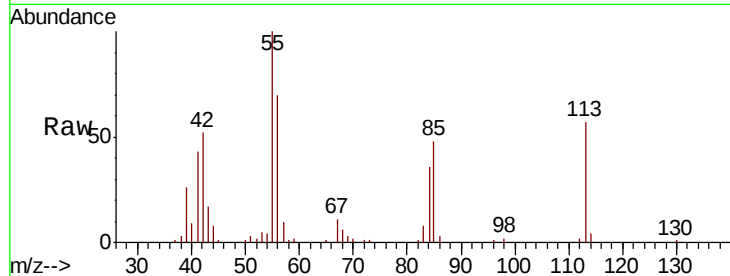




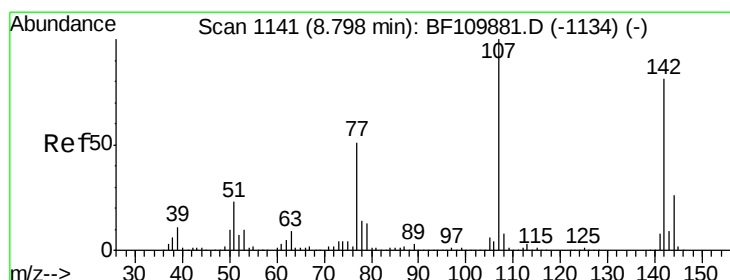
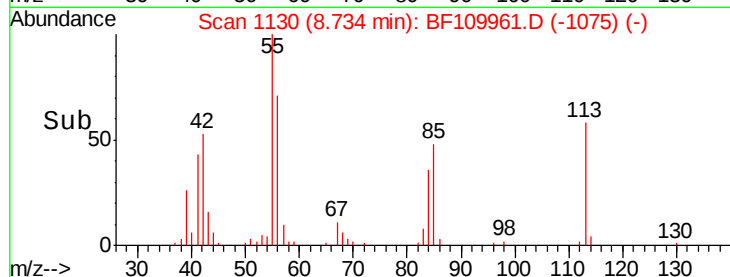
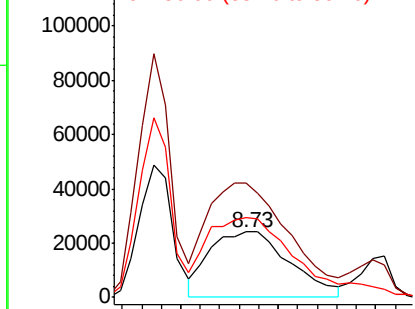
#35  
Caprolactam  
Concen: 15.406 ng  
RT: 8.73 min Scan# 1130  
Delta R.T. 0.02 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 69147  
Ion Ratio Lower Upper  
113 100  
55 174.8 142.8 182.8  
56 122.7 105.0 145.0

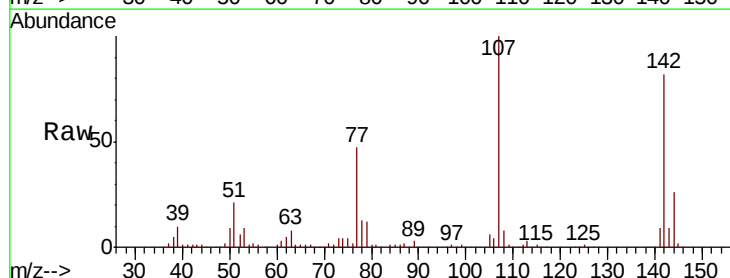


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

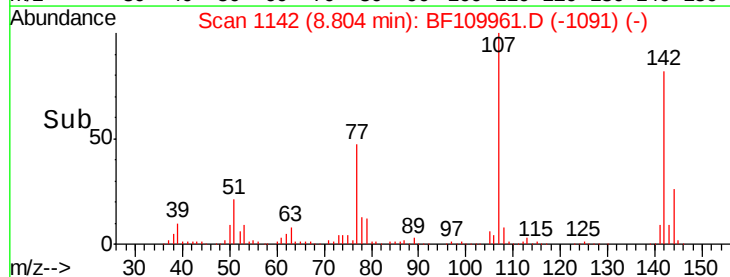
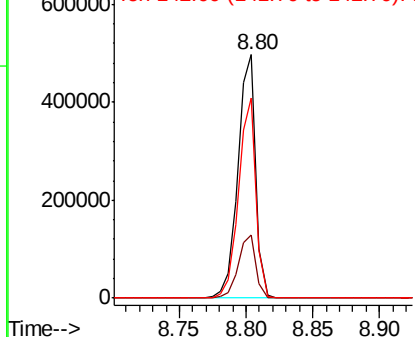


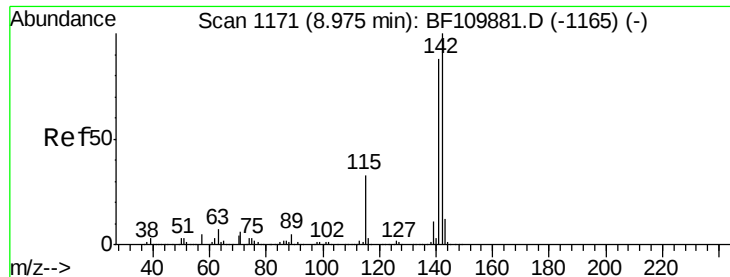
#36  
4-Chloro-3-methylphenol  
Concen: 34.818 ng  
RT: 8.80 min Scan# 1142  
Delta R.T. -0.00 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:107 Resp: 464196  
Ion Ratio Lower Upper  
107 100  
144 26.1 20.0 30.0  
142 82.0 59.7 89.5



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

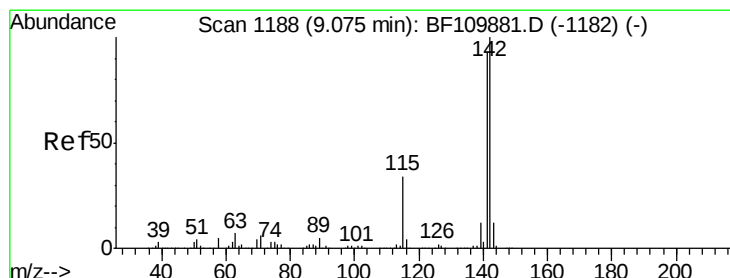
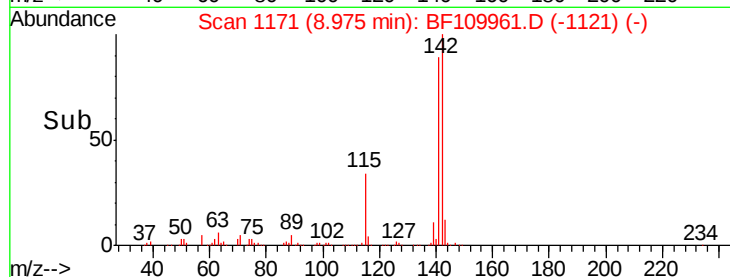
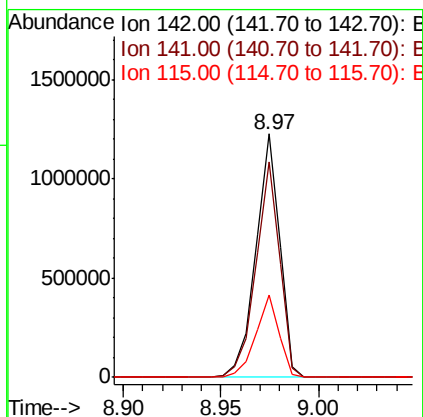
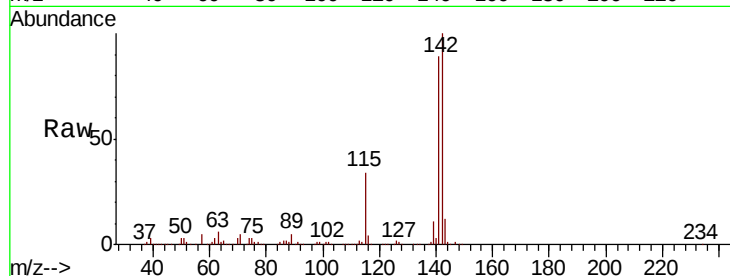




#37  
 2-Methylnaphthalene  
 Concen: 37.853 ng  
 RT: 8.97 min Scan# 1171  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

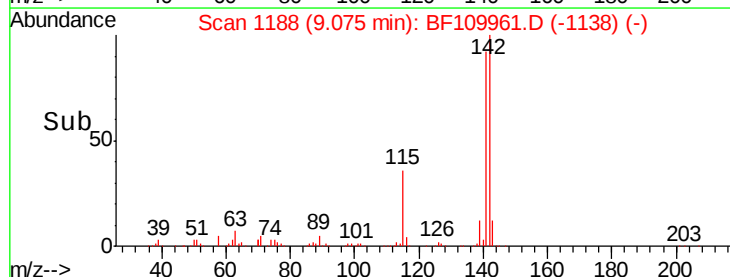
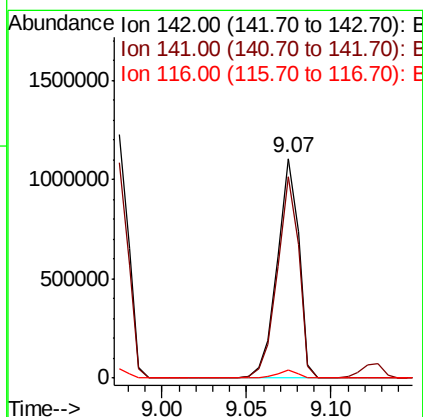
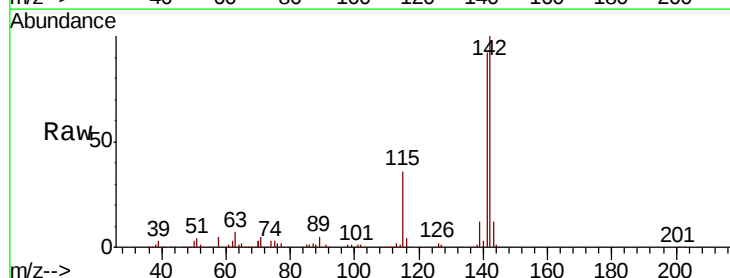
Instrument :  
 BNA\_F  
 ClientSampleId :

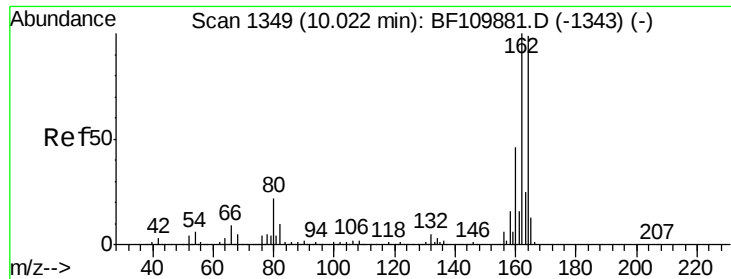
Tot Ion:142 Resp: 1042229  
 Ion Ratio Lower Upper  
 142 100  
 141 88.5 71.4 107.2  
 115 33.9 28.7 43.1



#38  
 1-Methylnaphthalene  
 Concen: 36.748 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Tgt Ion:142 Resp: 980440  
 Ion Ratio Lower Upper  
 142 100  
 141 91.7 74.2 111.4  
 116 3.6 2.6 4.0

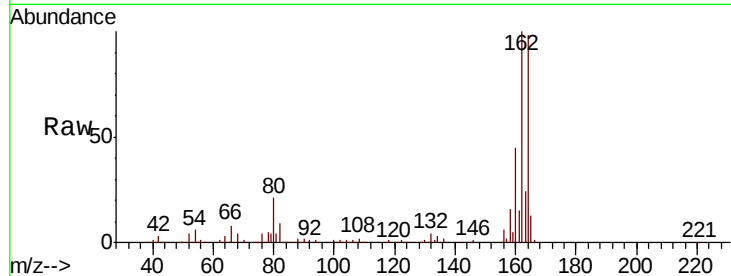




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.02 min Scan# 1349  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.0 | 83.0  | 124.6 |
| 160     | 46.0  | 37.0  | 55.6  |

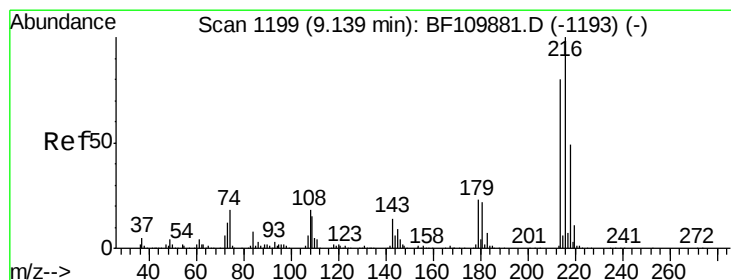
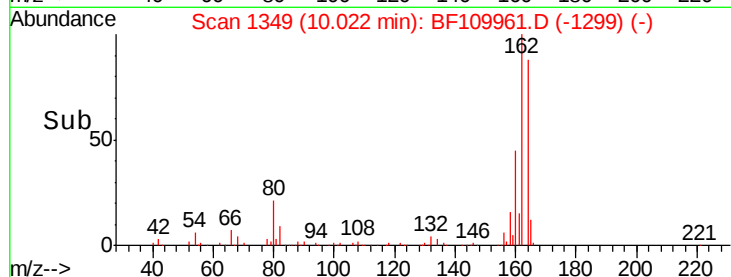
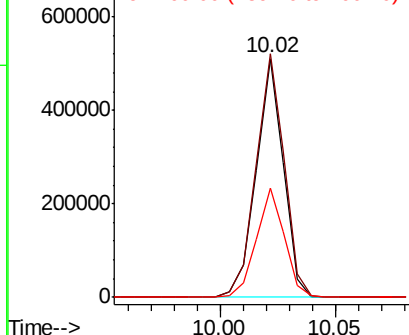


Abundance

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



#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 33.705 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 80.1  | 63.8  | 95.6  |
| 179     | 22.5  | 16.6  | 25.0  |
| 108     | 22.2  | 15.1  | 22.7  |

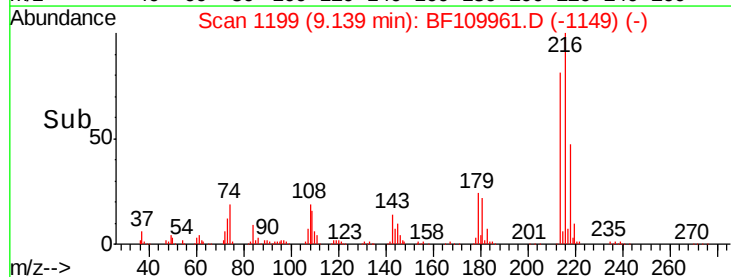
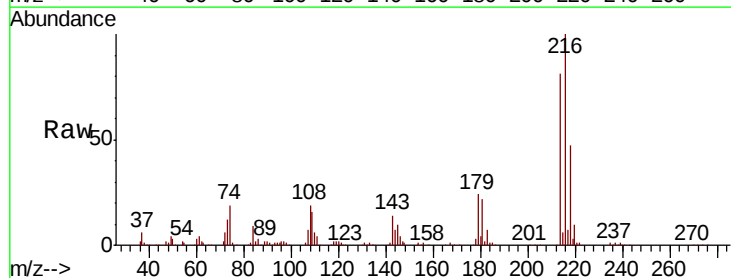
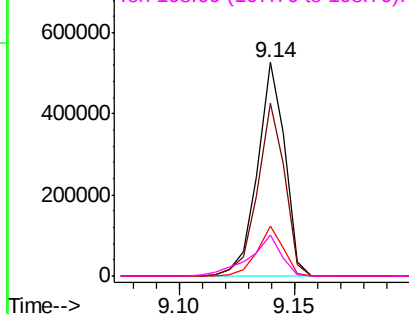
Abundance

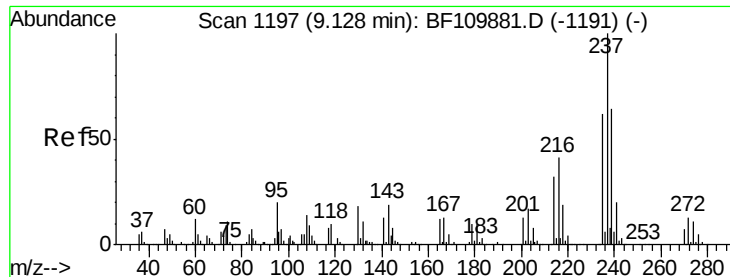
Ion 216.00 (215.70 to 216.70): E

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

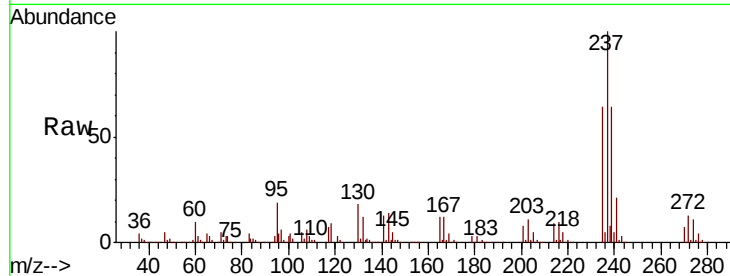




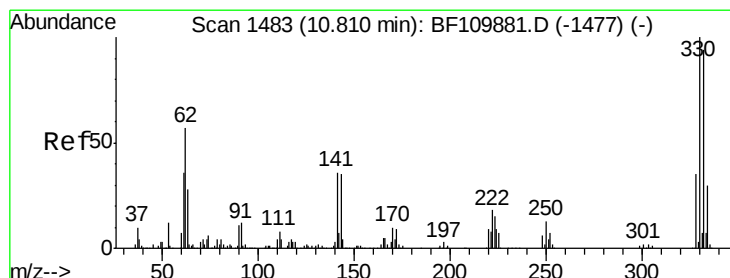
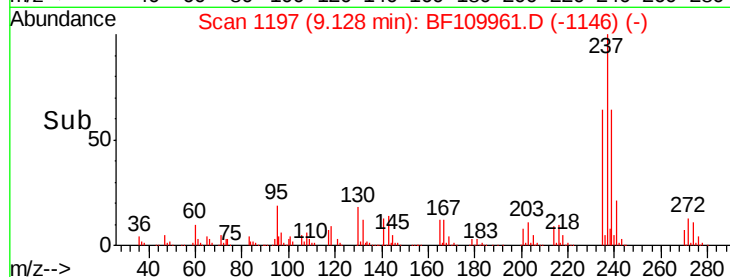
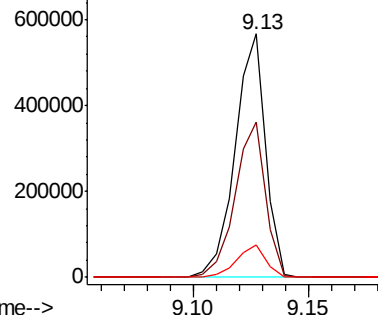
#41  
Hexachlorocyclopentadiene  
Concen: 82.912 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.00 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:237 Resp: 519422  
Ion Ratio Lower Upper  
237 100  
235 64.0 43.1 83.1  
272 13.4 0.0 32.6

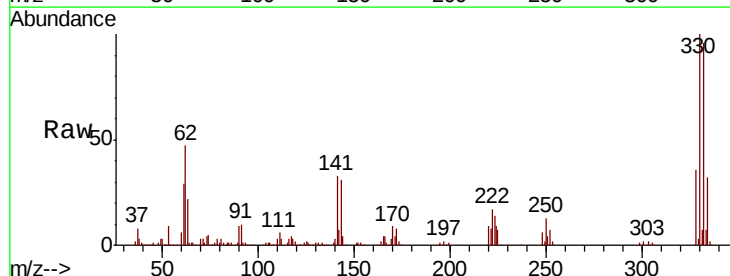


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

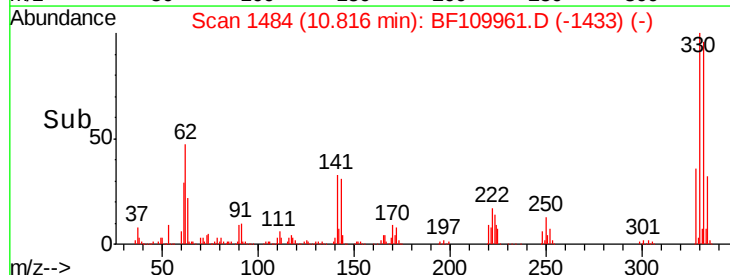
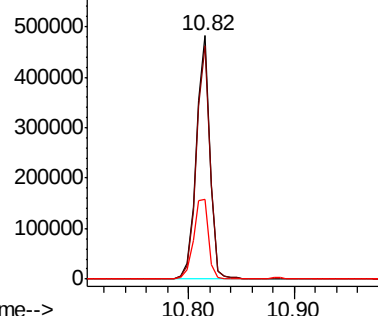


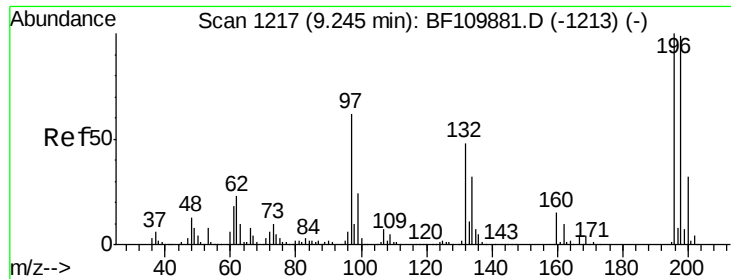
#42  
2,4,6-Tribromophenol  
Concen: 120.313 ng  
RT: 10.82 min Scan# 1484  
Delta R.T. -0.00 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:330 Resp: 438951  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.1 115.7  
141 36.3 27.0 40.4



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

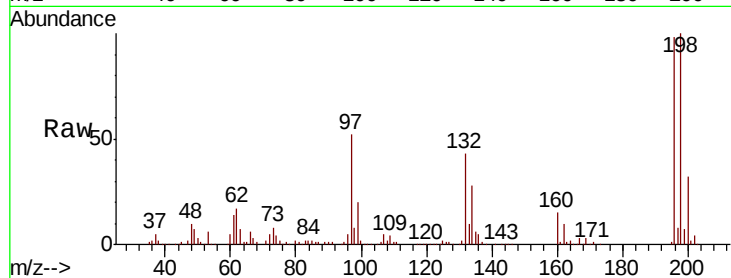




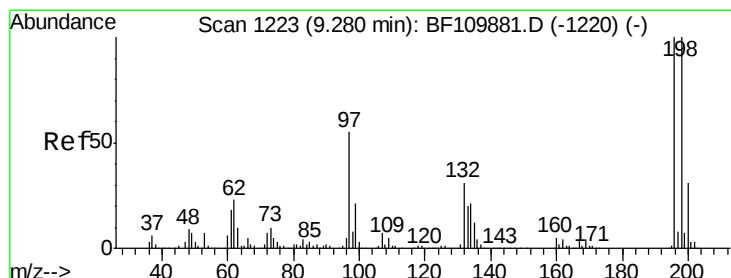
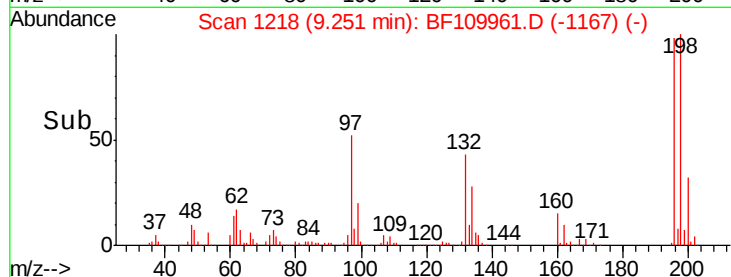
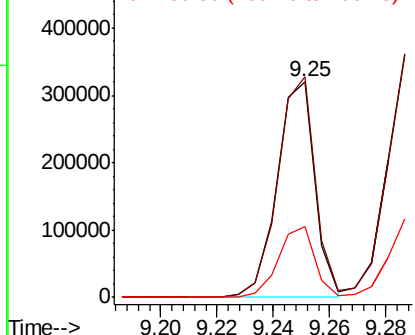
#43  
 2,4,6-Trichlorophenol  
 Concen: 36.674 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.00 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:196 Resp: 297651  
 Ion Ratio Lower Upper  
 196 100  
 198 102.4 76.2 114.4  
 200 32.7 24.4 36.6

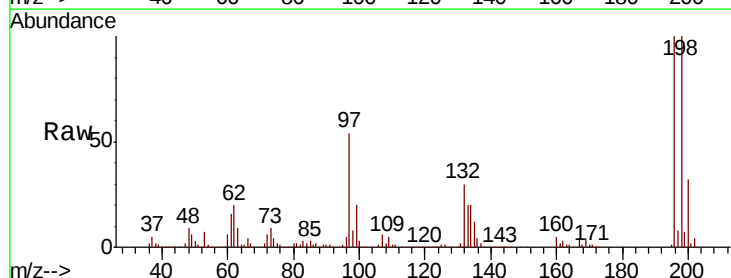


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

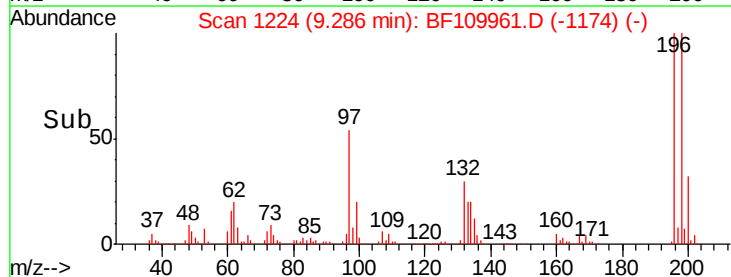
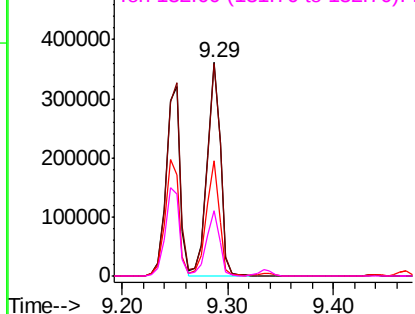


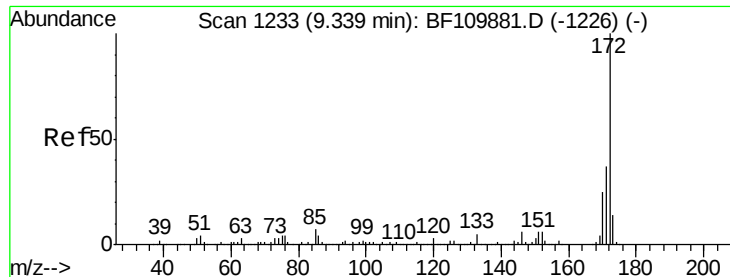
#44  
 2,4,5-Trichlorophenol  
 Concen: 37.924 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Tgt Ion:196 Resp: 319448  
 Ion Ratio Lower Upper  
 196 100  
 198 99.6 75.8 113.6  
 97 53.9 42.4 63.6  
 132 30.4 22.8 34.2



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): BF1  
 Ion 132.00 (131.70 to 132.70): E



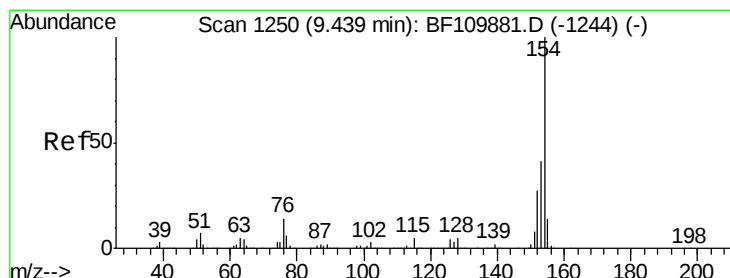
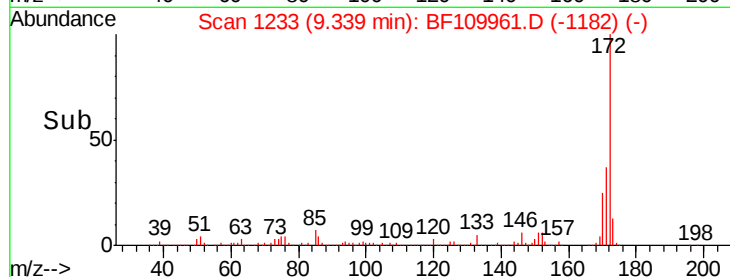
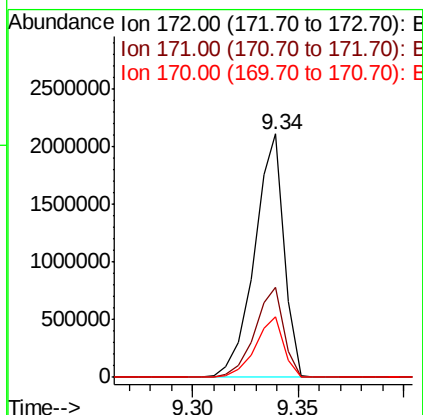
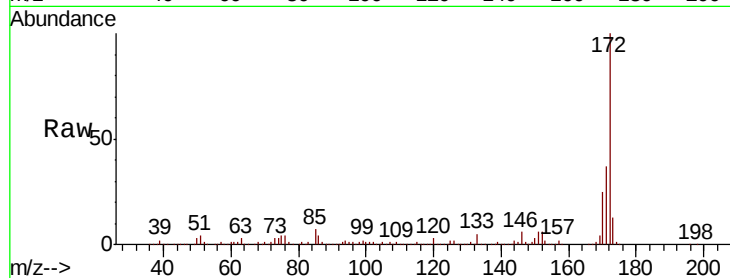


#45  
 2-Fluorobiphenyl  
 Concen: 77.357 ng  
 RT: 9.34 min Scan# 1233  
 Delta R.T. -0.00 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 2042950  

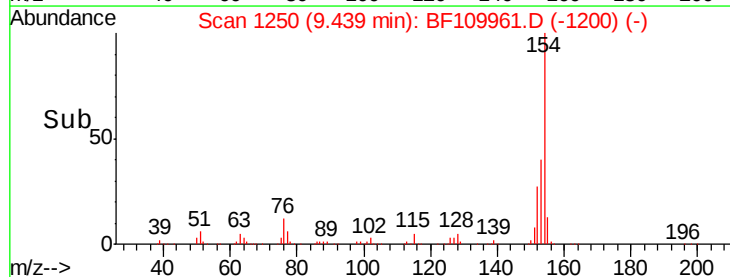
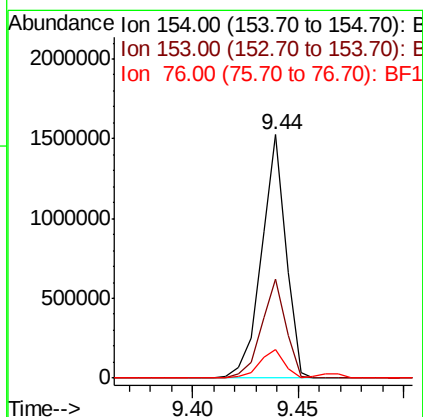
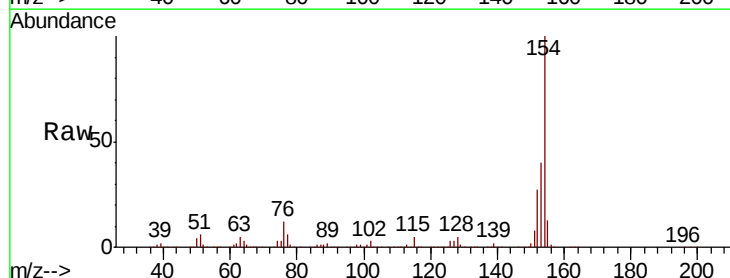
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.9  | 28.6  | 43.0  |
| 170 | 24.7  | 19.7  | 29.5  |

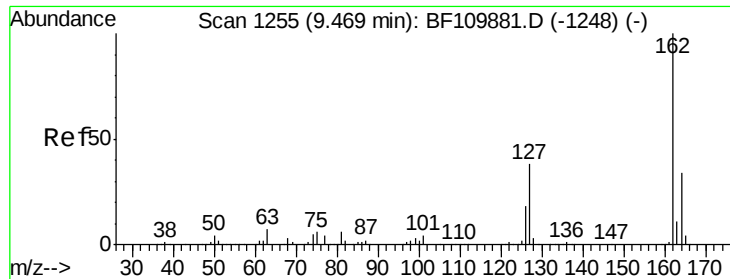


#46  
 1,1'-Biphenyl  
 Concen: 32.653 ng  
 RT: 9.44 min Scan# 1250  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Tgt Ion:154 Resp: 1225957  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 40.4  | 20.4  | 60.4  |
| 76  | 12.0  | 0.0   | 31.9  |

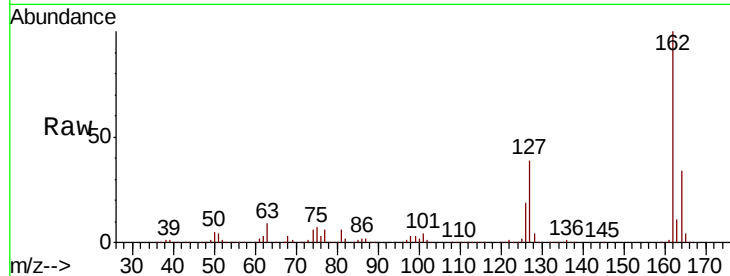




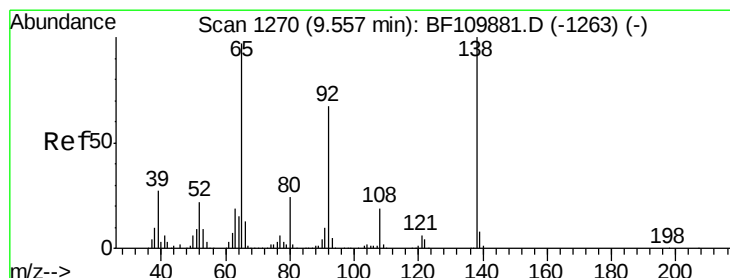
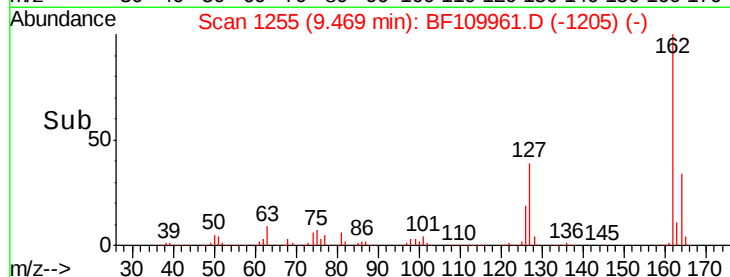
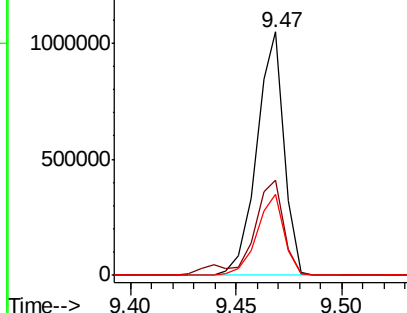
#47  
 2-Chloronaphthalene  
 Concen: 34.026 ng  
 RT: 9.47 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.2  | 32.6  | 48.8  |
| 164     | 33.5  | 25.9  | 38.9  |

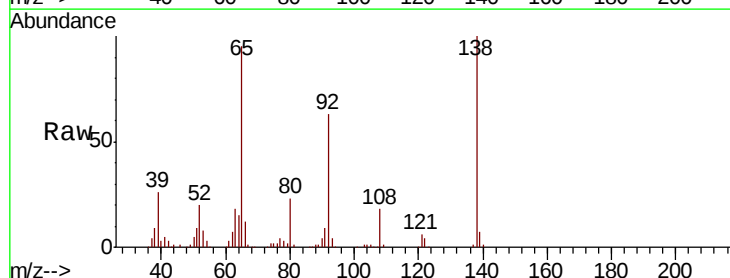


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

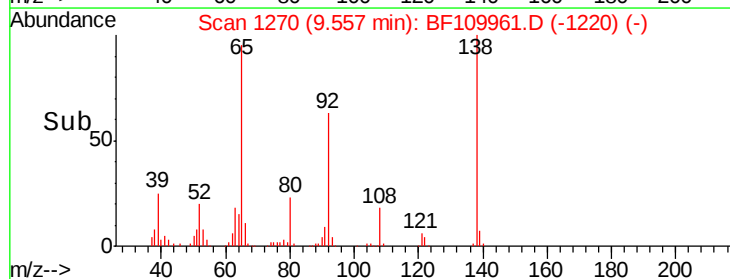
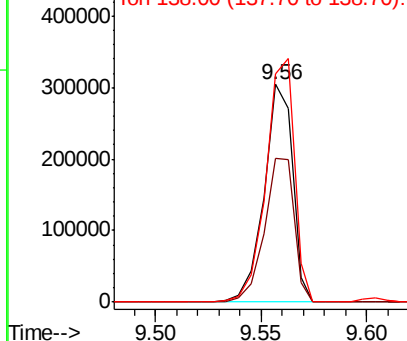


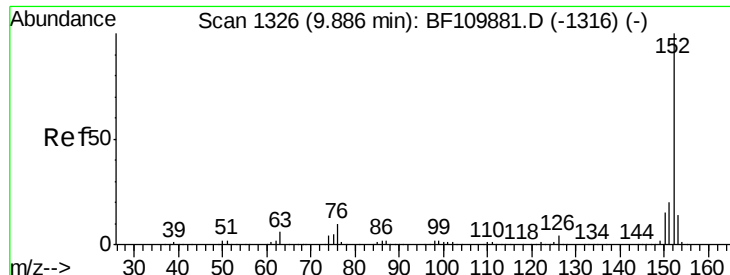
#48  
 2-Nitroaniline  
 Concen: 40.417 ng  
 RT: 9.56 min Scan# 1270  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 66.0  | 54.6  | 81.8  |
| 138     | 105.0 | 80.3  | 120.5 |



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 36.239 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

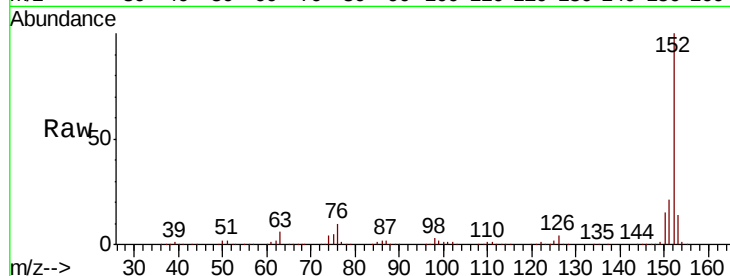
Tot Ion:152 Resp: 1455950

Ion Ratio Lower Upper

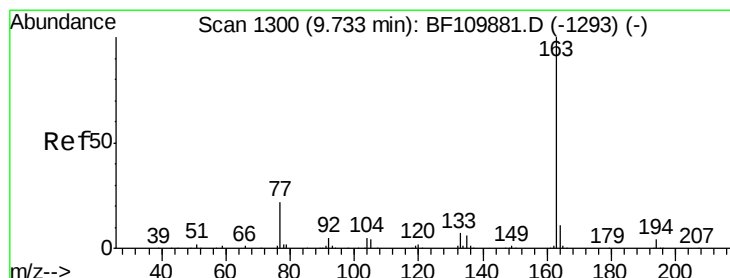
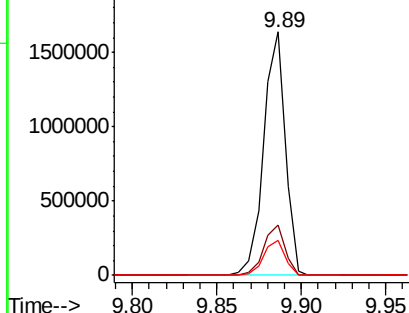
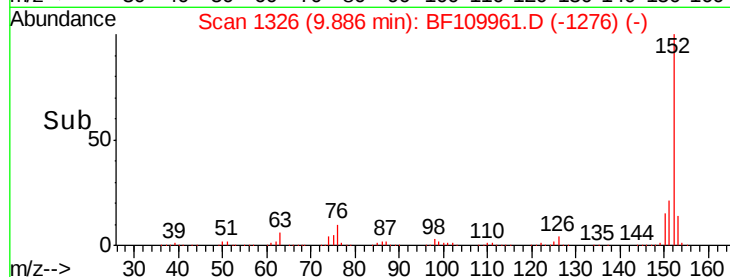
152 100

151 20.8 15.8 23.8

153 14.2 10.4 15.6



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



#50

Dimethylphthalate

Concen: 42.209 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

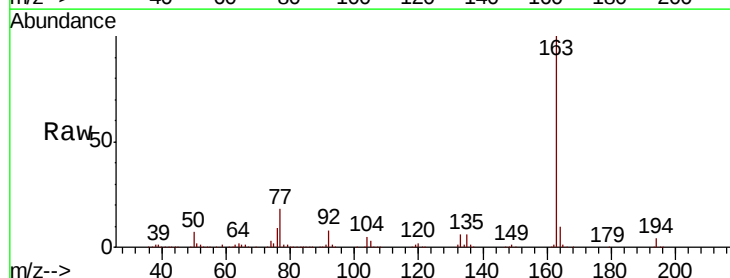
Tgt Ion:163 Resp: 1259497

Ion Ratio Lower Upper

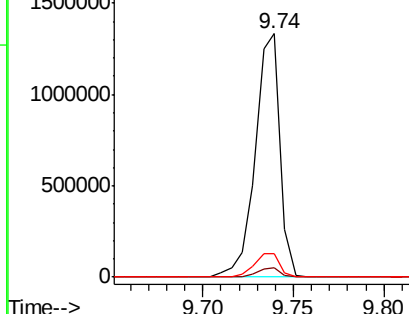
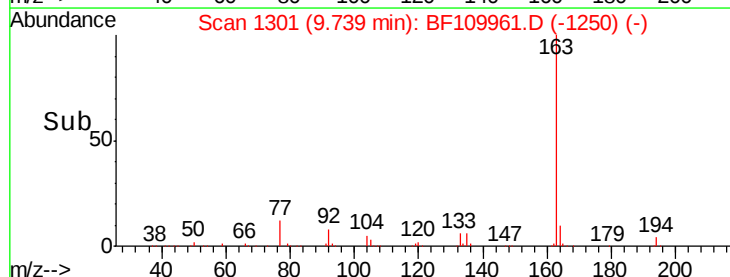
163 100

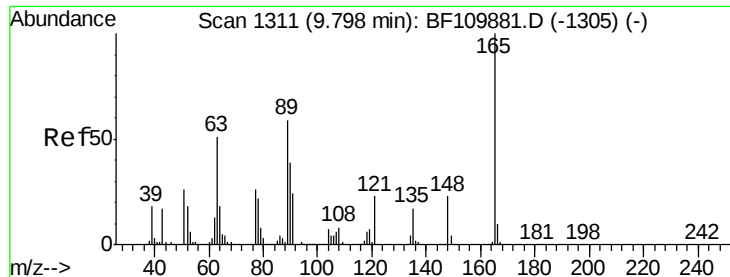
194 3.8 3.2 4.8

164 9.8 8.1 12.1



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

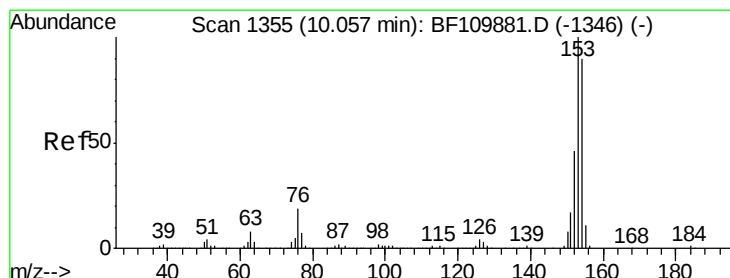
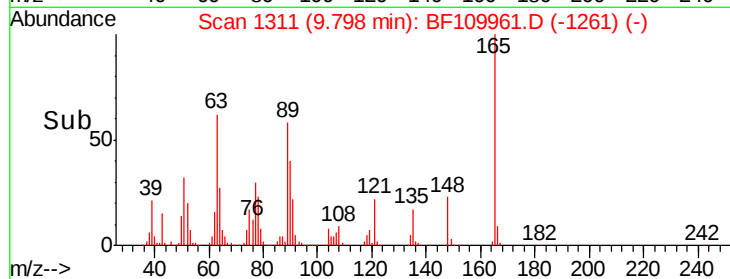
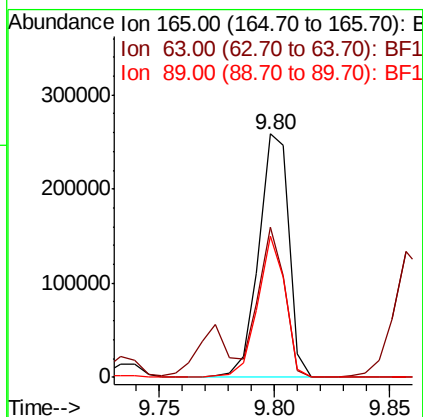
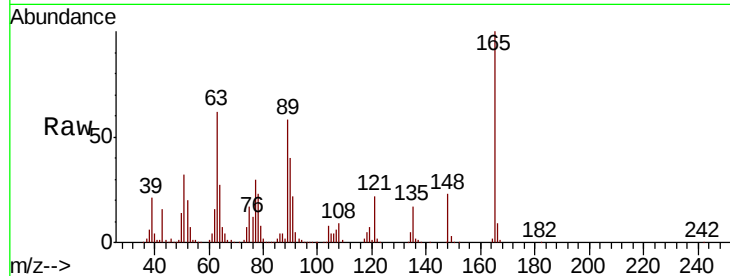




#51  
 2,6-Dinitrotoluene  
 Concen: 41.644 ng  
 RT: 9.80 min Scan# 1311  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

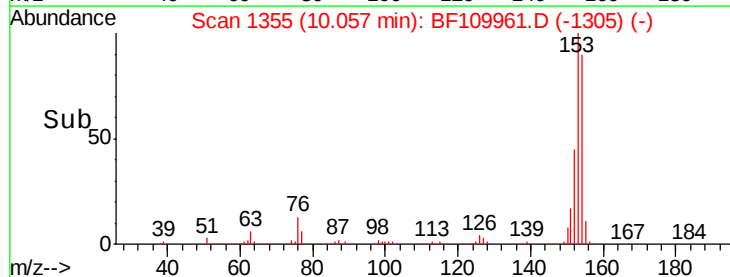
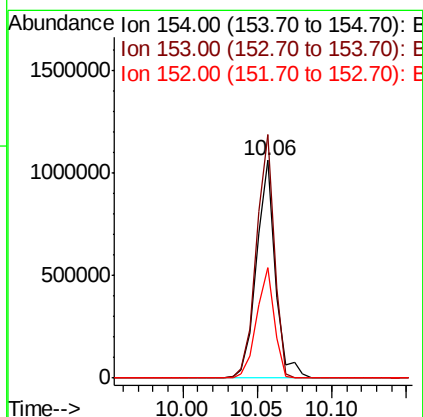
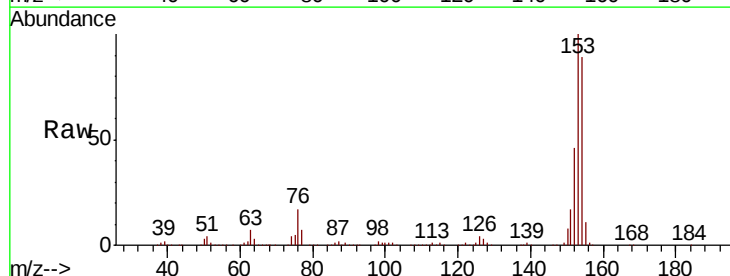
Instrument :  
 BNA\_F  
 ClientSampleId :

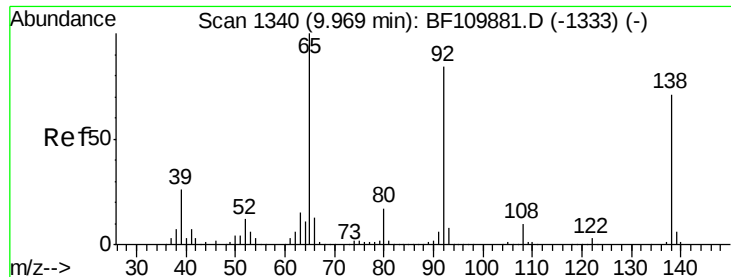
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 61.6  | 48.9  | 73.3  |
| 89      | 58.2  | 46.6  | 69.8  |



#52  
 Acenaphthene  
 Concen: 36.067 ng  
 RT: 10.06 min Scan# 1355  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.7 | 90.1  | 135.1 |
| 152     | 50.9  | 43.4  | 65.2  |

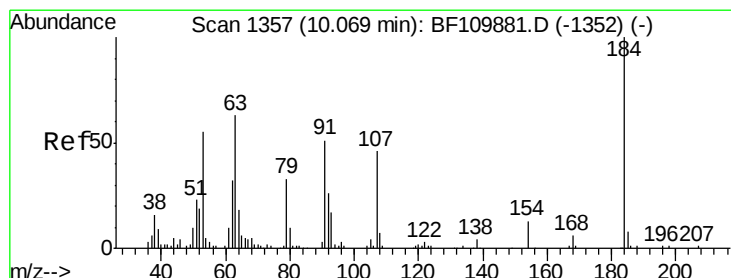
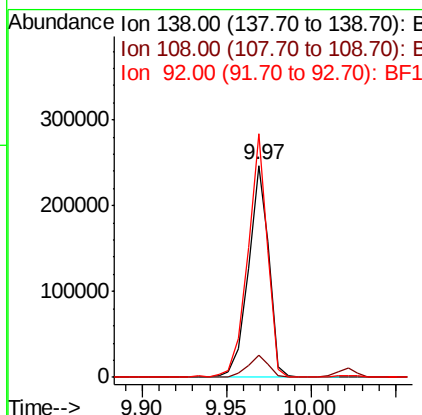
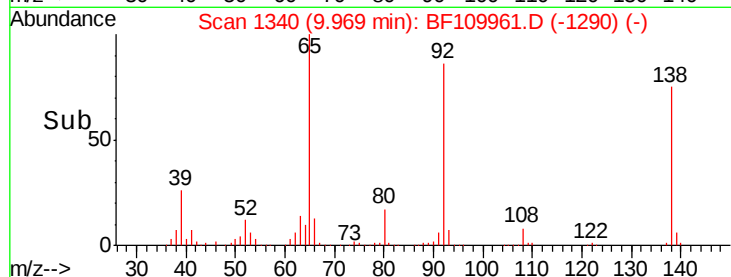
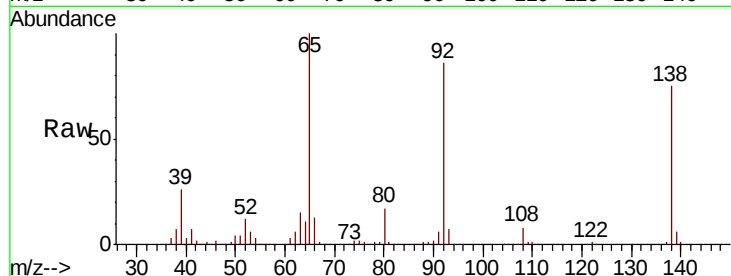




#53  
 3-Nitroaniline  
 Concen: 30.227 ng  
 RT: 9.97 min Scan# 1340  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

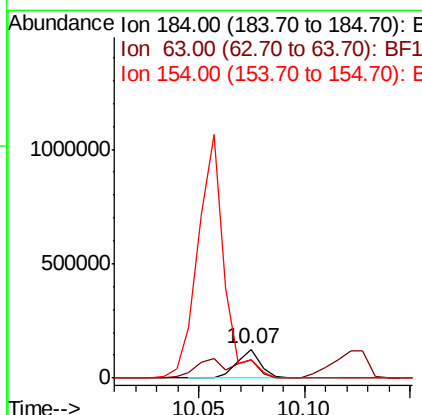
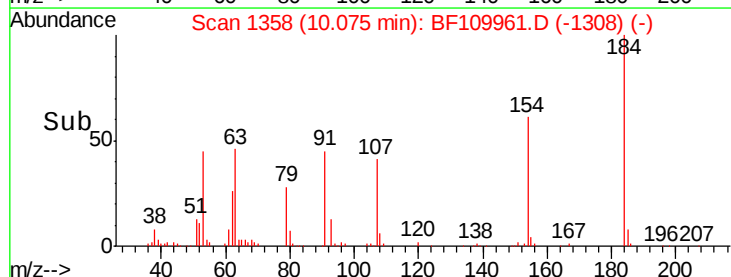
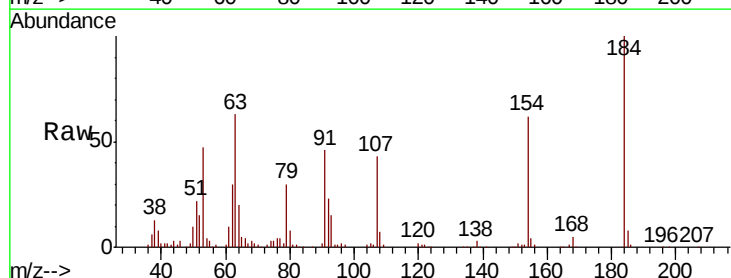
Instrument :  
 BNA\_F  
 ClientSampleId :

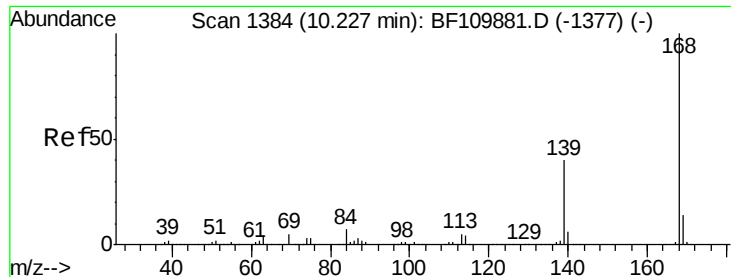
Tot Ion:138 Resp: 208389  
 Ion Ratio Lower Upper  
 138 100  
 108 10.4 8.7 13.1  
 92 114.8 97.0 145.4



#54  
 2,4-Dinitrophenol  
 Concen: 55.816 ng  
 RT: 10.07 min Scan# 1358  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Tgt Ion:184 Resp: 95302  
 Ion Ratio Lower Upper  
 184 100  
 63 62.7 55.8 83.6  
 154 61.6 63.2 94.8#

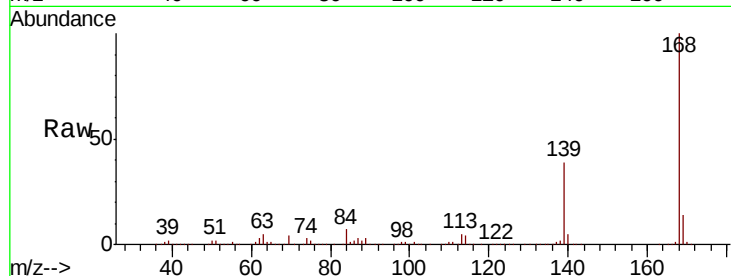




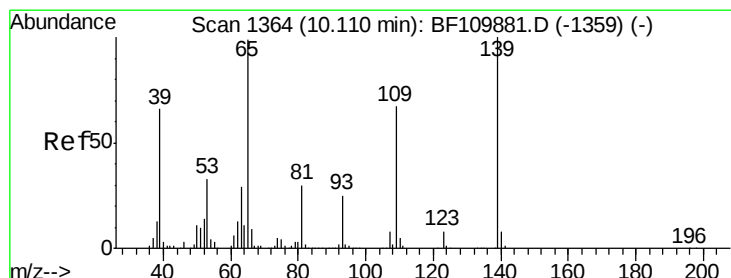
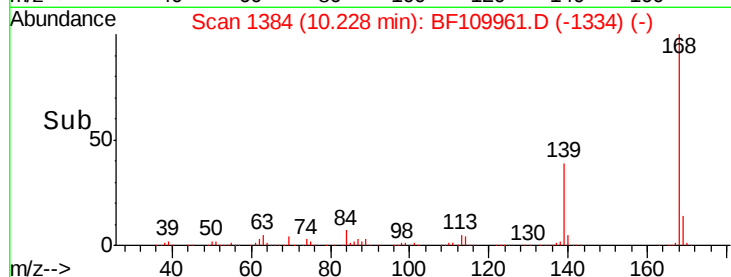
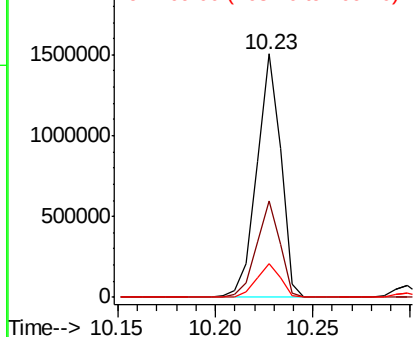
#55  
Dibenzenofuran  
Concen: 34.864 ng  
RT: 10.23 min Scan# 1384  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 1271790  
Ion Ratio Lower Upper  
168 100  
139 39.3 33.0 49.6  
169 13.7 11.3 16.9

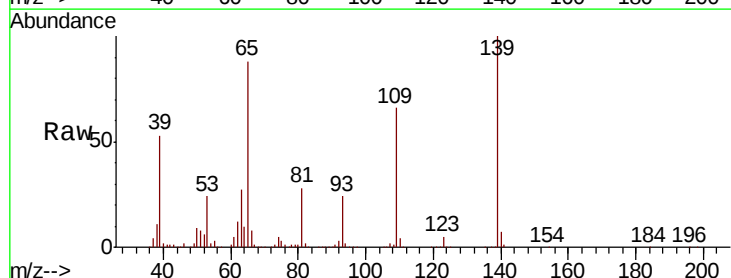


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

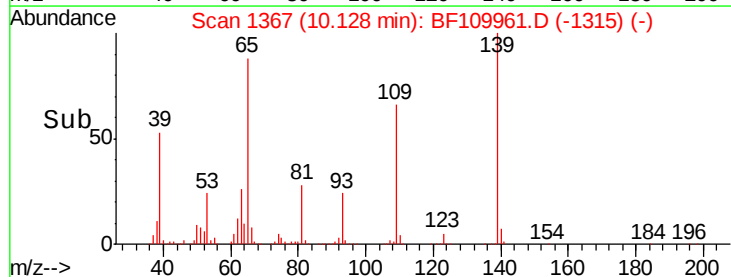
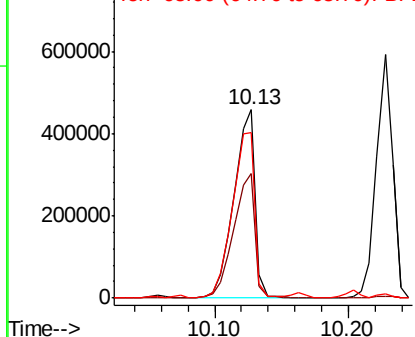


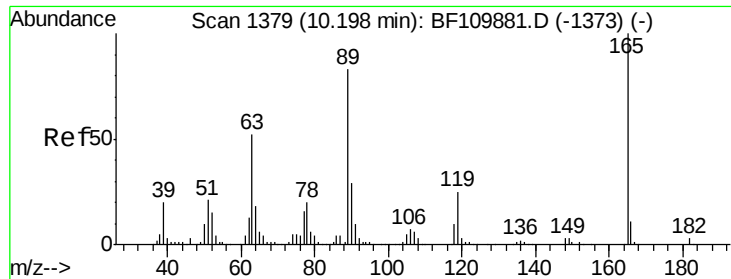
#56  
4-Nitrophenol  
Concen: 97.210 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:139 Resp: 511365  
Ion Ratio Lower Upper  
139 100  
109 66.1 55.8 95.8  
65 87.8 77.9 117.9



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

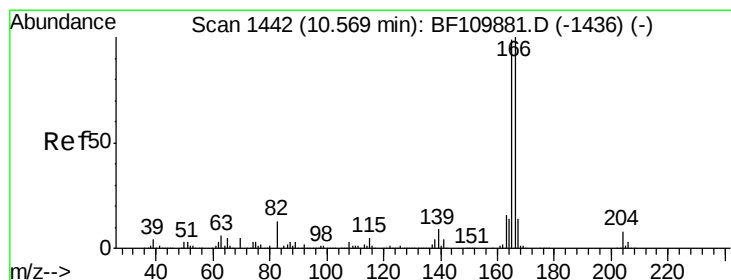
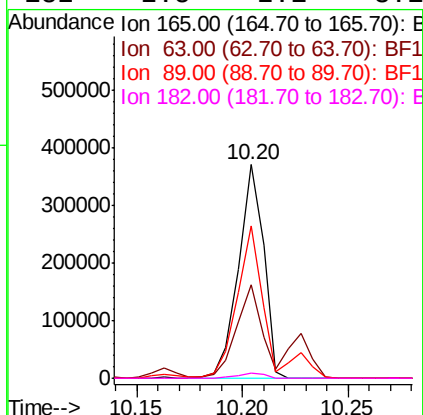
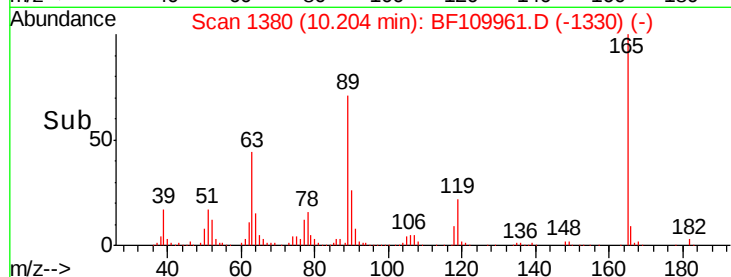
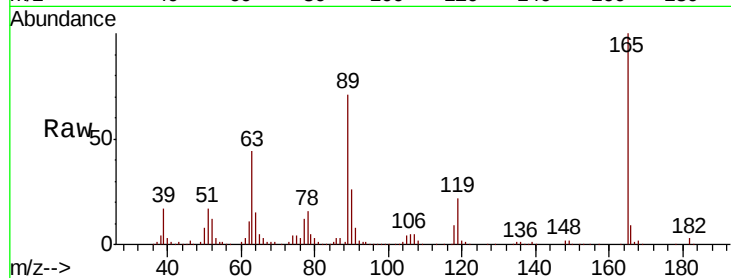




#57  
2,4-Dinitrotoluene  
Concen: 43.323 ng  
RT: 10.20 min Scan# 1380  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

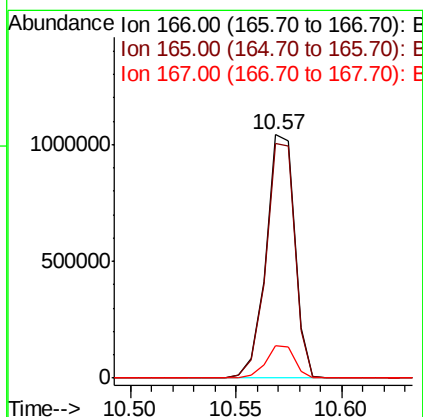
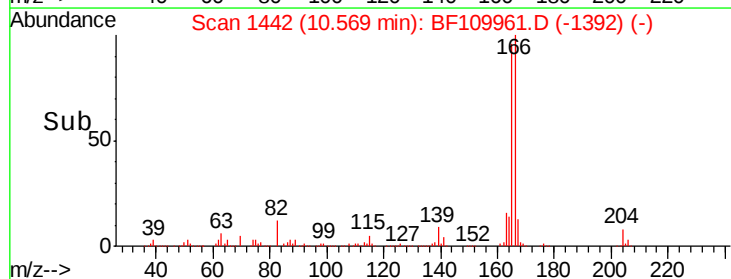
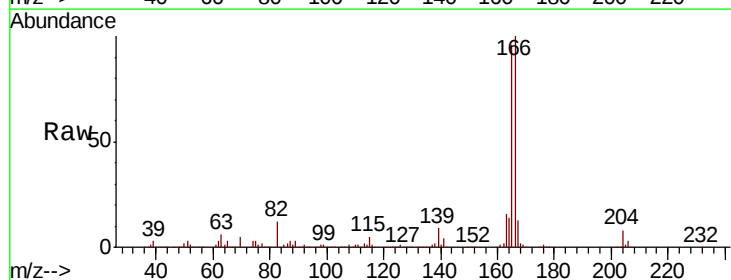
Instrument :  
BNA\_F  
ClientSampleId :

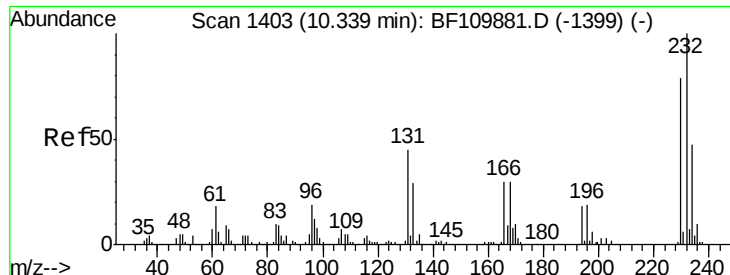
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 44.1  | 44.8  | 67.2# |
| 89      | 71.5  | 62.2  | 93.4  |
| 182     | 2.5   | 2.1   | 3.1   |



#58  
Fluorene  
Concen: 37.122 ng  
RT: 10.57 min Scan# 1442  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.3  | 78.6  | 117.8 |
| 167     | 13.2  | 10.8  | 16.2  |

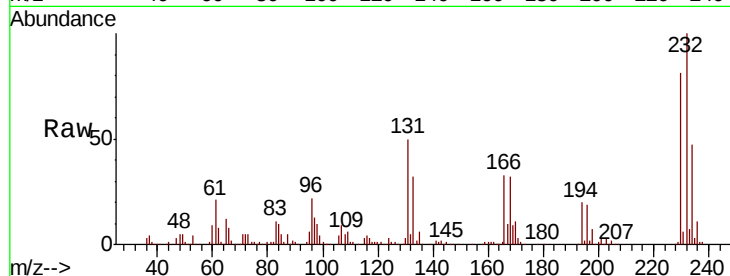




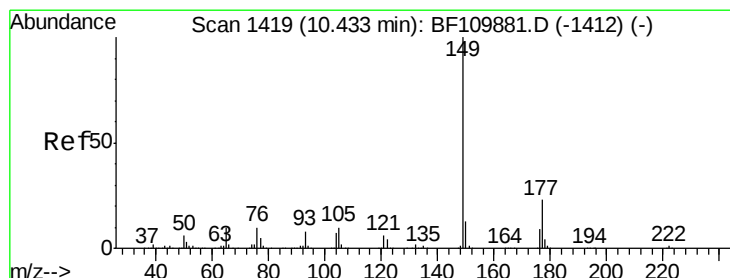
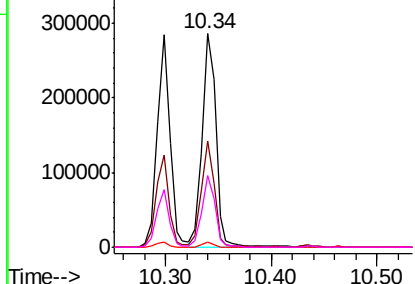
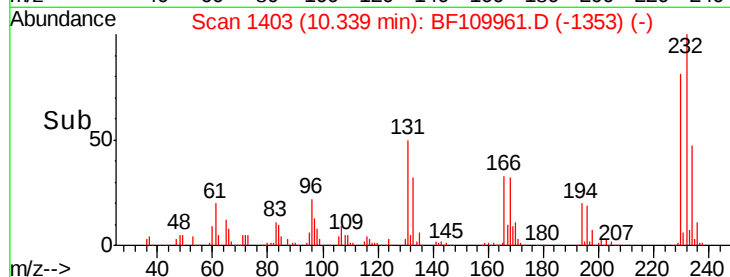
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.608 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:232 Resp: 257739  
Ion Ratio Lower Upper  
232 100  
131 47.0 37.0 55.4  
130 2.3 1.8 2.6  
166 31.7 22.0 33.0

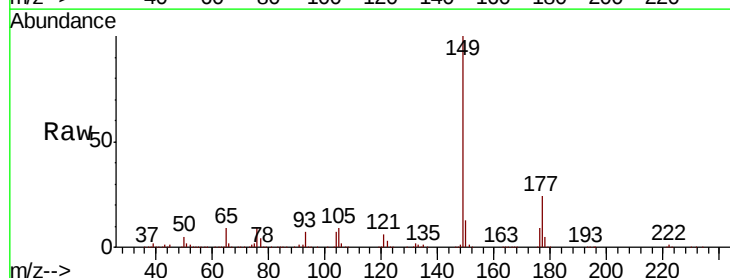


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

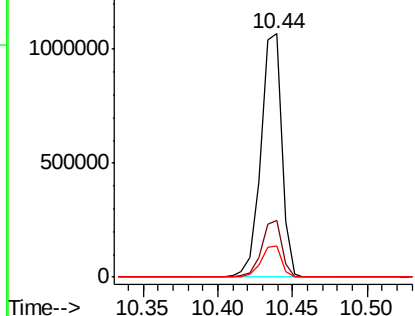
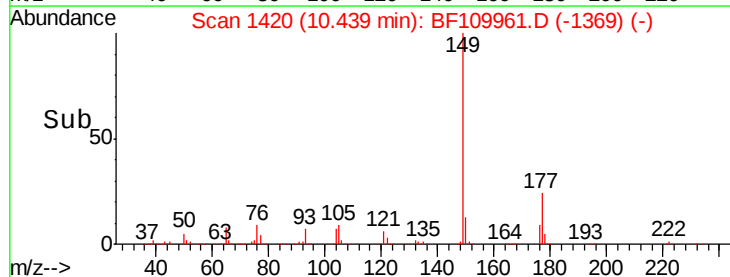


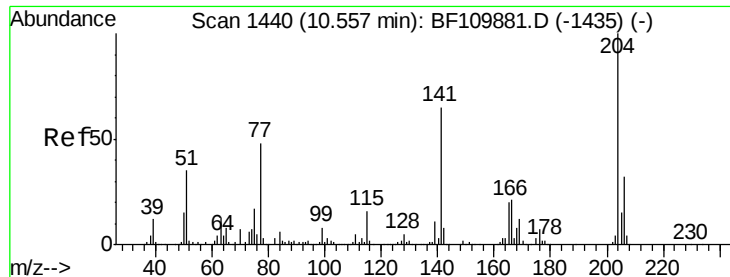
#60  
Diethylphthalate  
Concen: 34.819 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. -0.00 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:149 Resp: 1026178  
Ion Ratio Lower Upper  
149 100  
177 23.6 17.4 26.2  
150 12.7 9.8 14.8



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

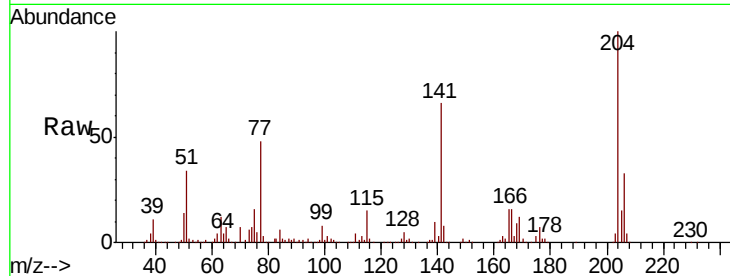




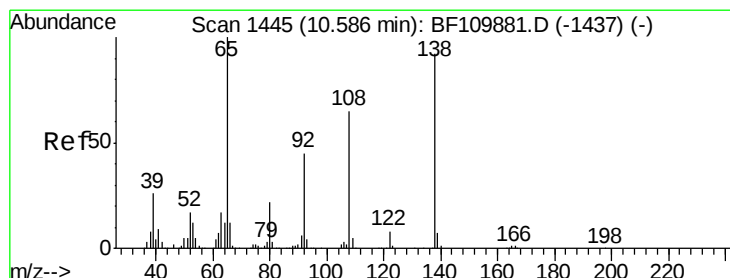
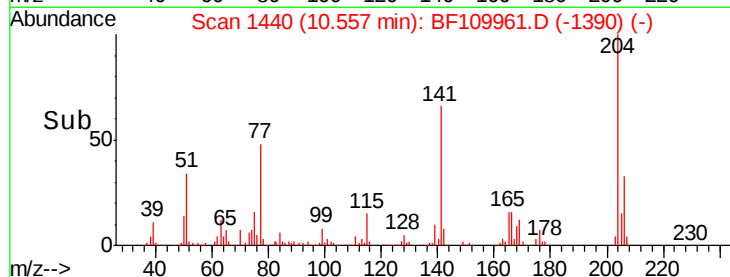
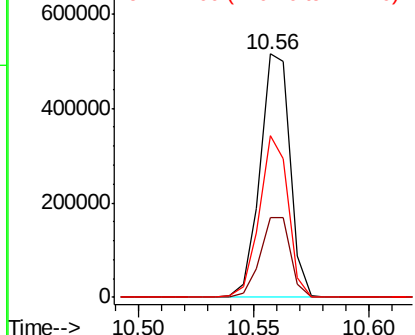
#61  
4-Chlorophenyl-phenylether  
Concen: 33.784 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.6  | 26.5  | 39.7  |
| 141     | 66.4  | 51.8  | 77.8  |

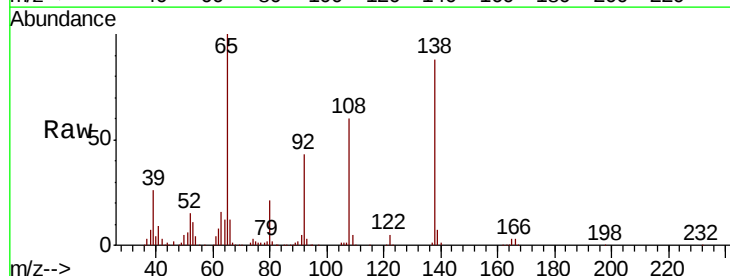


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

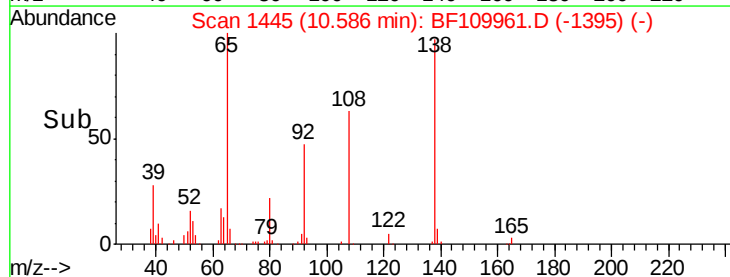
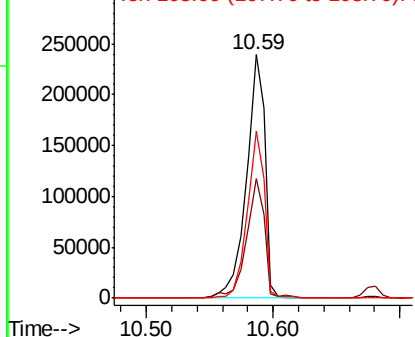


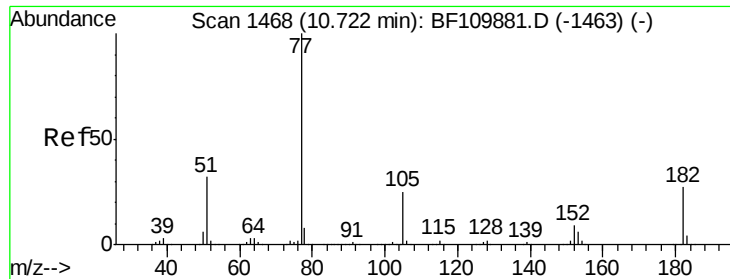
#62  
4-Nitroaniline  
Concen: 36.992 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.9  | 31.7  | 71.7  |
| 108     | 68.4  | 59.3  | 99.3  |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 32.747 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 1008227

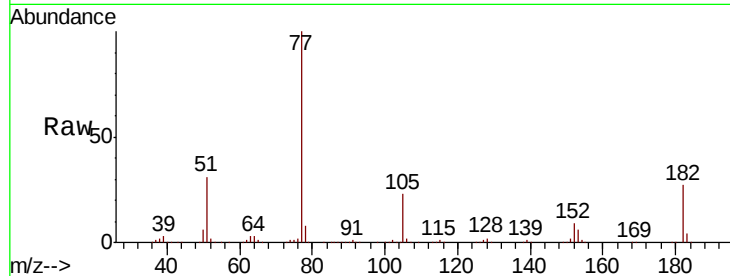
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 26.6  | 4.3   | 44.3  |
| 105 | 23.5  | 1.3   | 41.3  |
| 51  | 30.6  | 9.0   | 49.0  |

77 100

182 26.6 4.3 44.3

105 23.5 1.3 41.3

51 30.6 9.0 49.0

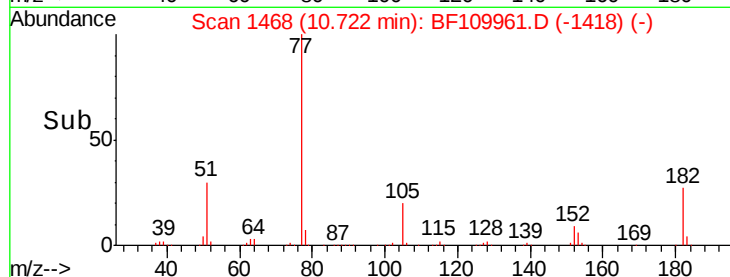


Abundance Ion 77.00 (76.70 to 77.70): BF1

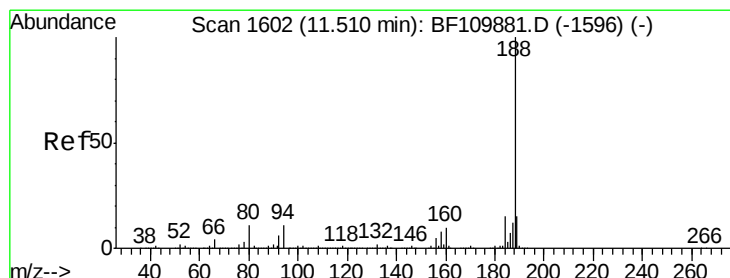
Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Time--> 10.65 10.70 10.75 10.80



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

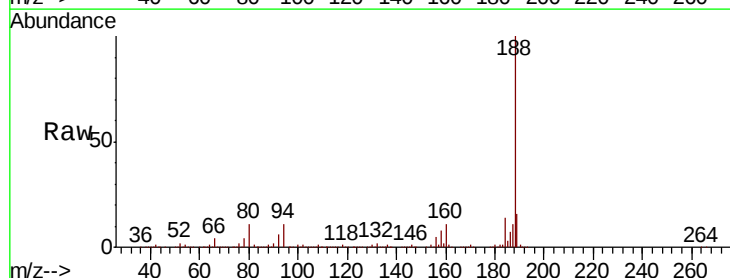
Tgt Ion: 188 Resp: 734221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.7  | 7.2   | 10.8  |
| 80  | 11.3  | 7.9   | 11.9  |

188 100

94 10.7 7.2 10.8

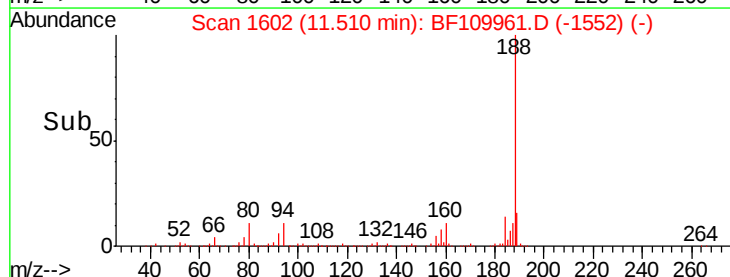
80 11.3 7.9 11.9



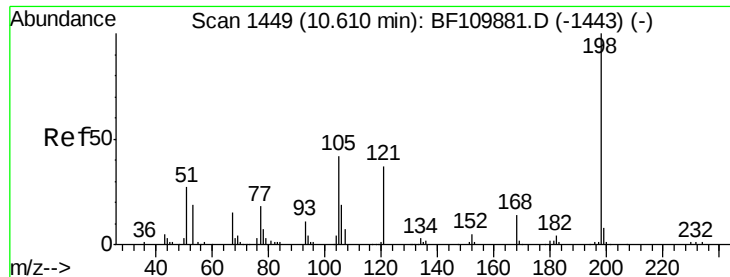
Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



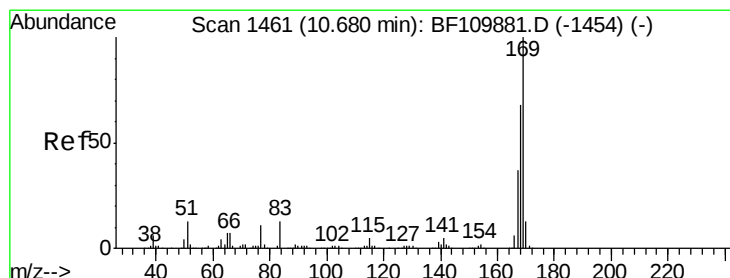
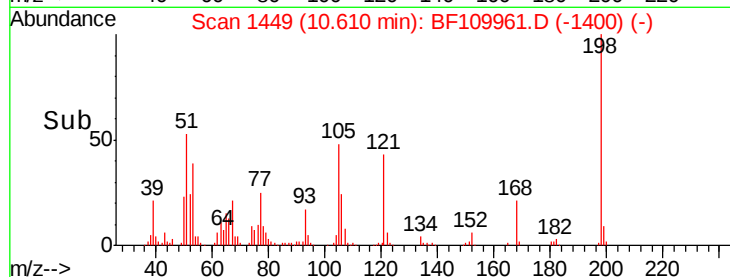
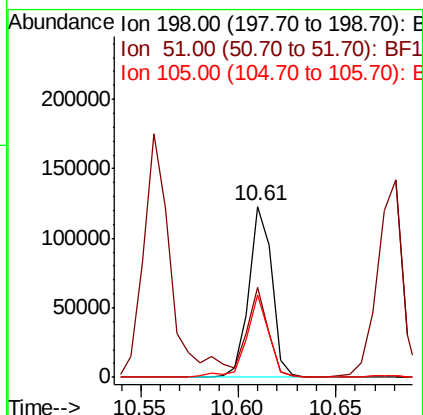
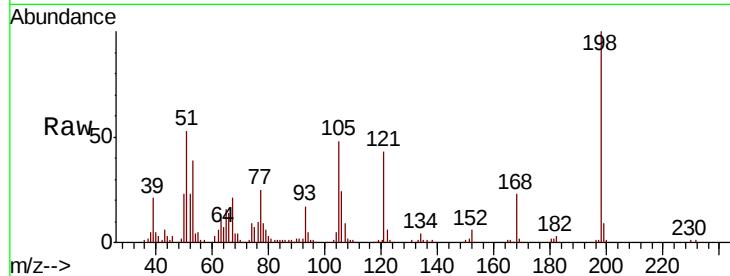
Time--> 11.45 11.50 11.55



#65  
4,6-Dinitro-2-methylphenol  
Concen: 39.657 ng  
RT: 10.61 min Scan# 1449  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

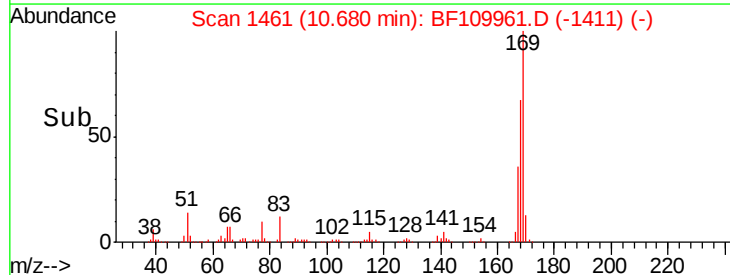
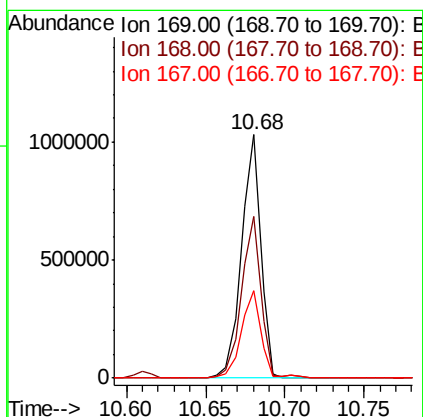
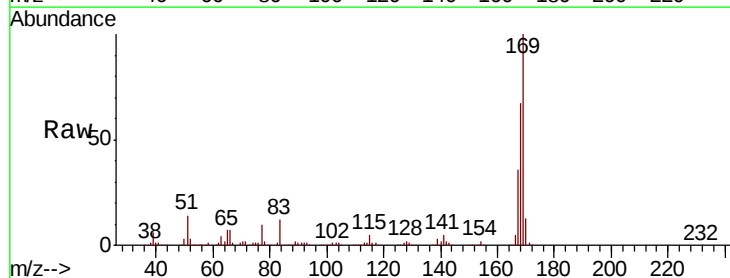
Instrument :  
BNA\_F  
ClientSampled :

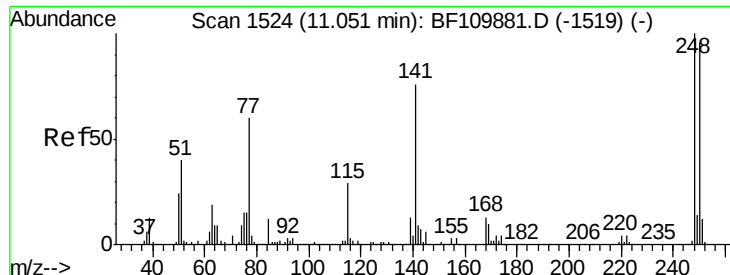
Tot Ion:198 Resp: 101110  
Ion Ratio Lower Upper  
198 100  
51 52.7 22.8 62.8  
105 47.8 23.6 63.6



#66  
n-Nitrosodiphenylamine  
Concen: 35.422 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:169 Resp: 866208  
Ion Ratio Lower Upper  
169 100  
168 66.5 51.2 76.8  
167 35.9 27.8 41.6

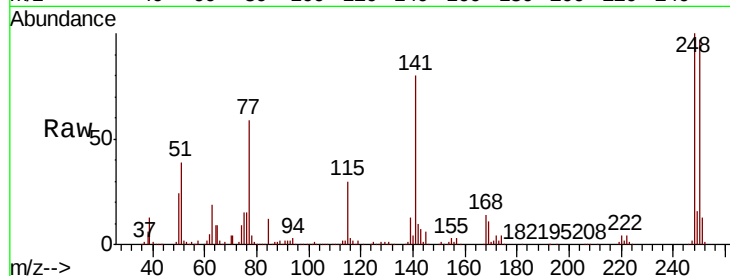




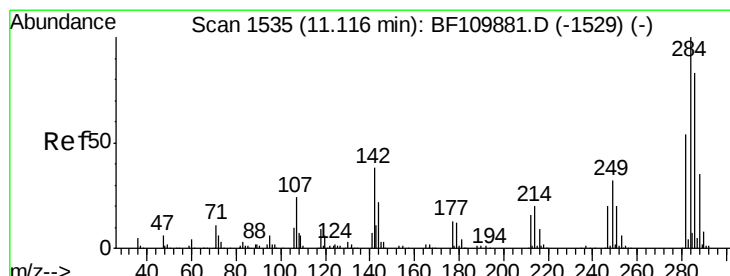
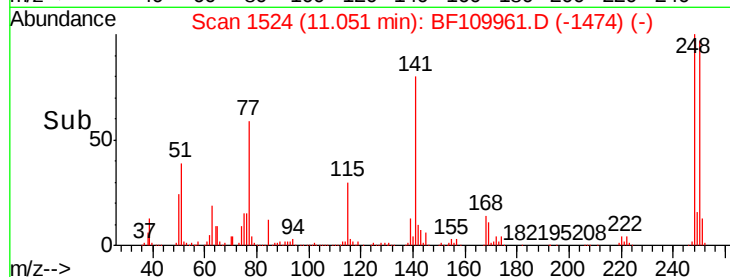
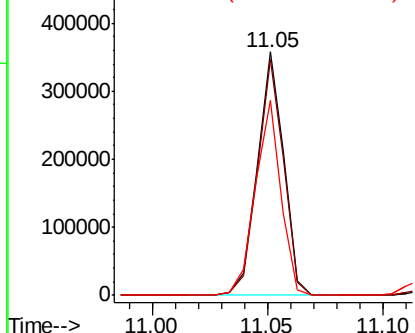
#67  
4-Bromophenyl-phenylether  
Concen: 35.884 ng  
RT: 11.05 min Scan# 1524  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 285532  
Ion Ratio Lower Upper  
248 100  
250 96.7 79.4 119.2  
141 79.9 55.9 83.9

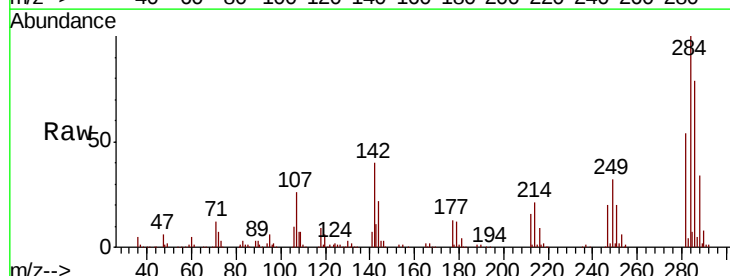


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

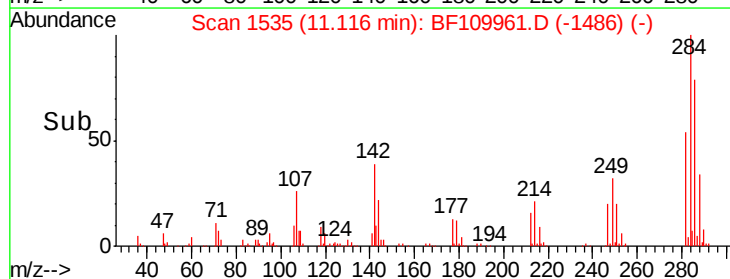
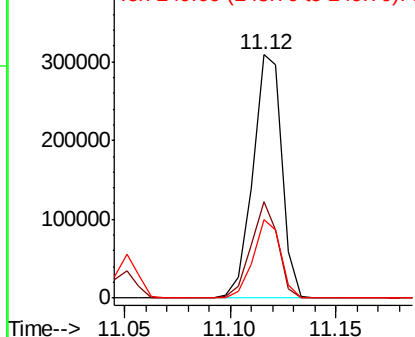


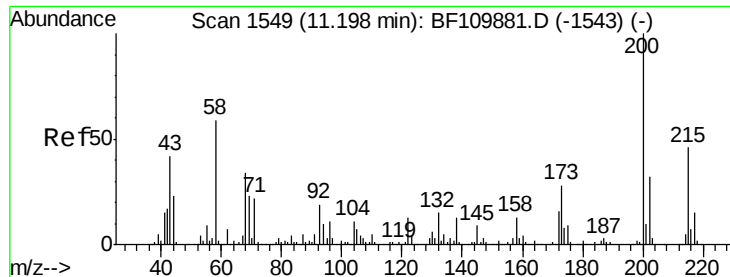
#68  
Hexachlorobenzene  
Concen: 34.731 ng  
RT: 11.12 min Scan# 1535  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:284 Resp: 294697  
Ion Ratio Lower Upper  
284 100  
142 39.7 23.9 35.9#  
249 32.2 24.2 36.2



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

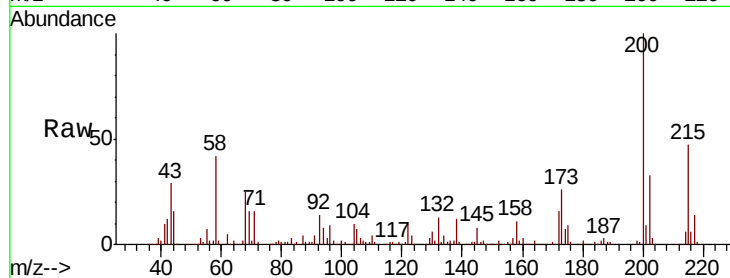




#69  
Atrazine  
Concen: 35.937 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. -0.00 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.4  | 6.6   | 46.6  |
| 215     | 46.8  | 26.3  | 66.3  |

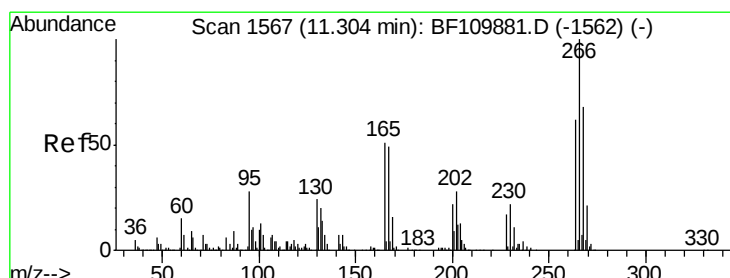
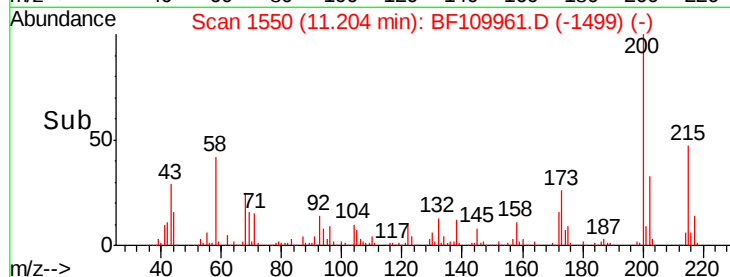
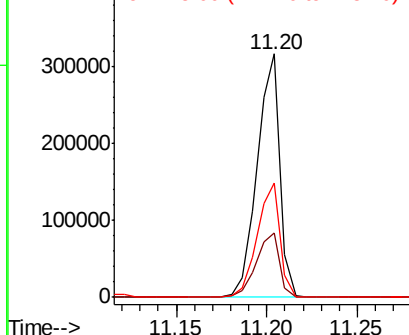


Abundance

Ion 200.00 (199.70 to 200.70): E

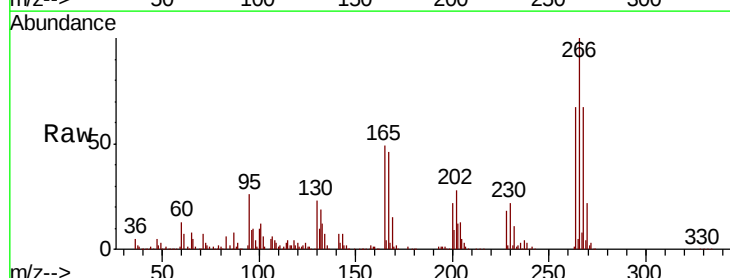
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
Pentachlorophenol  
Concen: 55.148 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.6  | 50.6  | 75.8  |
| 264     | 66.6  | 50.6  | 75.8  |

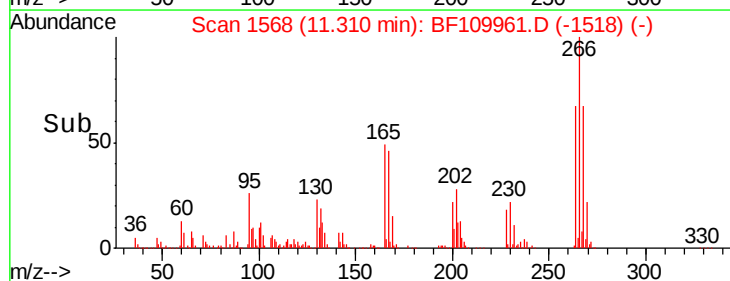
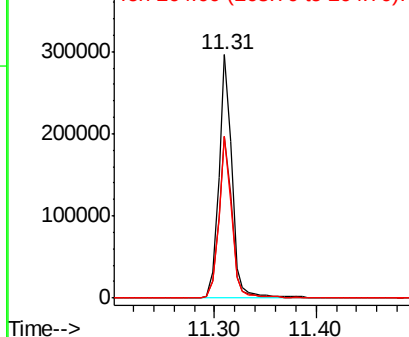


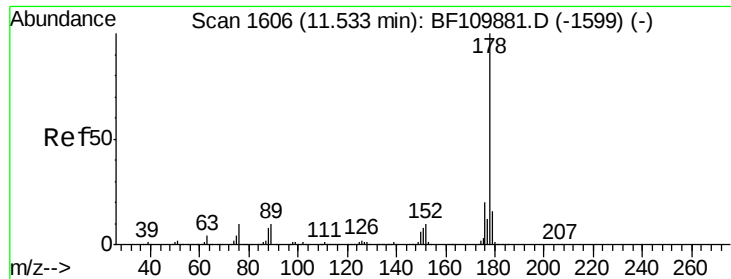
Abundance

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

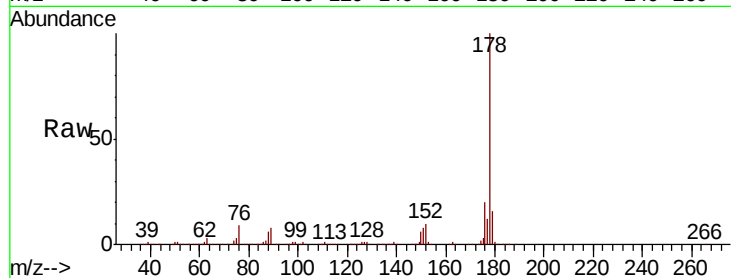




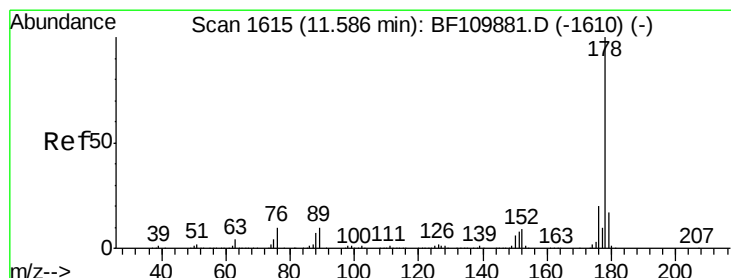
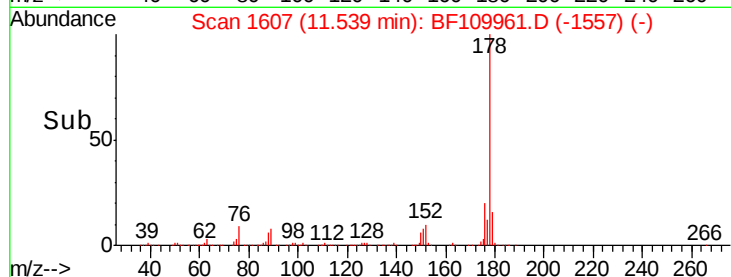
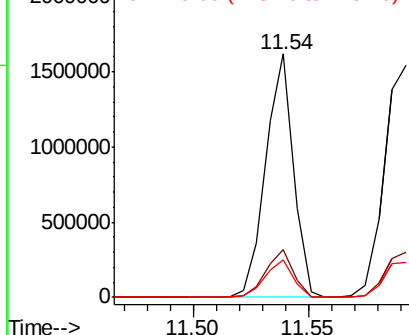
#71  
Phenanthrene  
Concen: 35.607 ng  
RT: 11.54 min Scan# 1607  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 1353453  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.5 23.3  
179 15.6 12.5 18.7

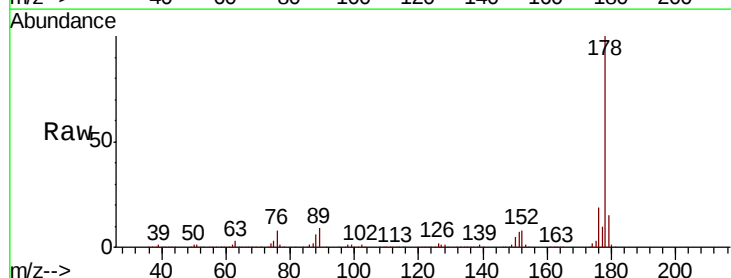


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

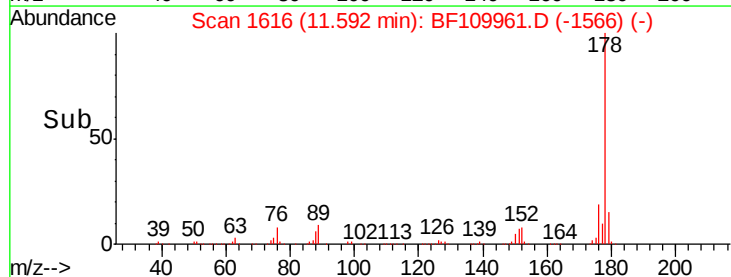
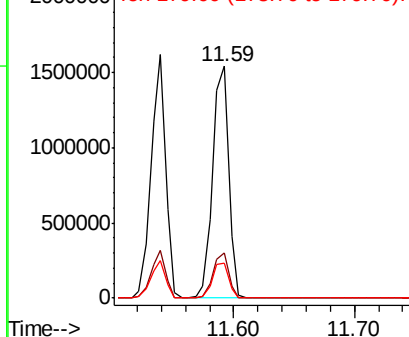


#72  
Anthracene  
Concen: 36.666 ng  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

Tgt Ion:178 Resp: 1401200  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
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



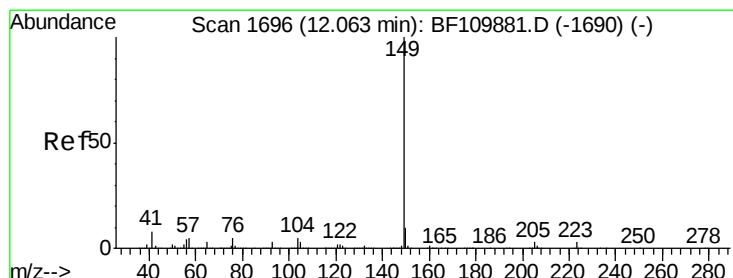
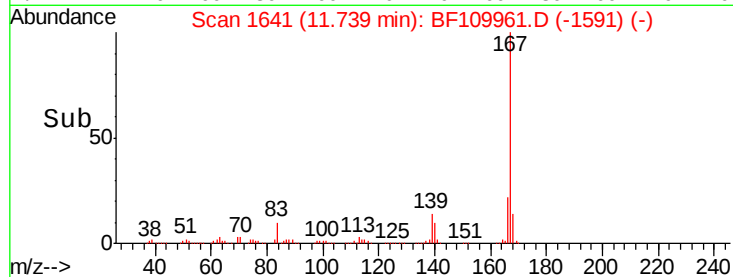
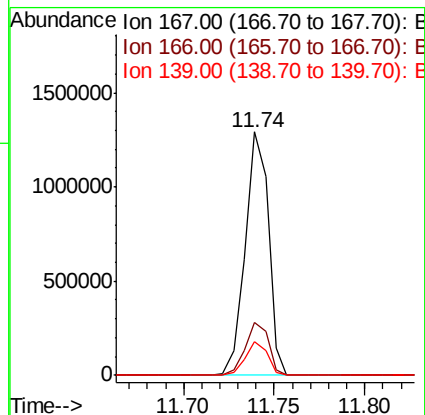
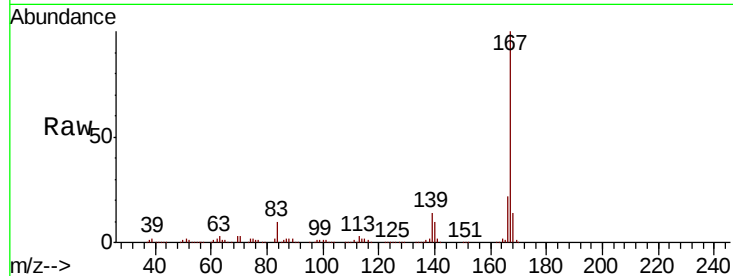


#73  
 Carbazole  
 Concen: 30.718 ng  
 RT: 11.74 min Scan# 1641  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:167 Resp: 1153691  

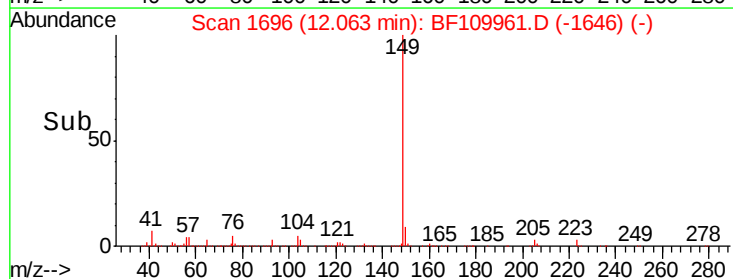
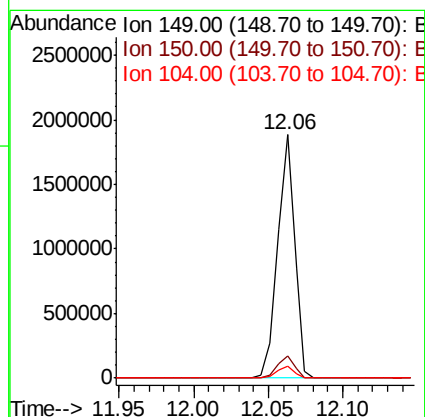
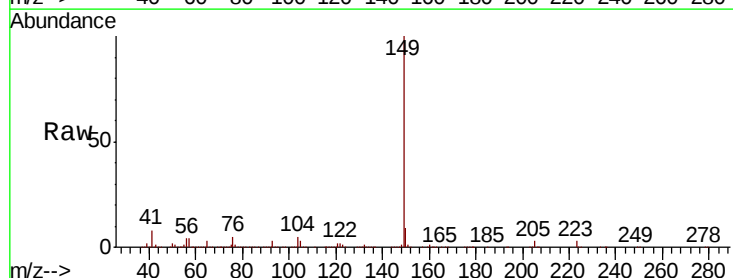
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.9  | 17.4  | 26.0  |
| 139 | 13.6  | 10.9  | 16.3  |

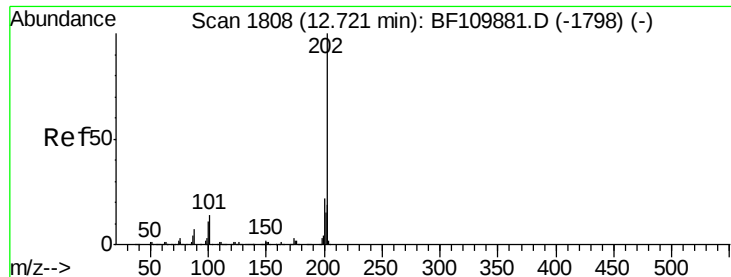


#74  
 Di-n-butylphthalate  
 Concen: 35.680 ng  
 RT: 12.06 min Scan# 1696  
 Delta R.T. -0.01 min  
 Lab File: BF109961.D  
 Acq: 18 Oct 2018 15:11

Tgt Ion:149 Resp: 1495526  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.4   | 7.7   | 11.5  |
| 104 | 4.9   | 4.2   | 6.4   |





#75

Fluoranthene

Concen: 31.341 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

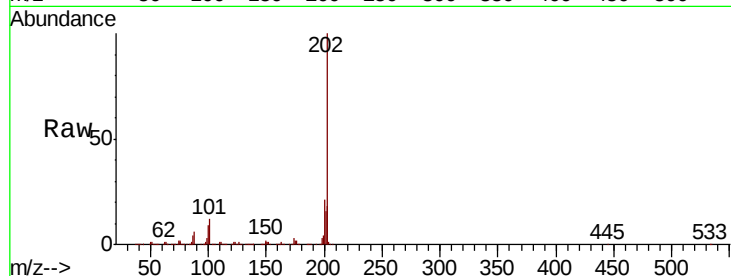
Tot Ion:202 Resp: 1190108

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.4

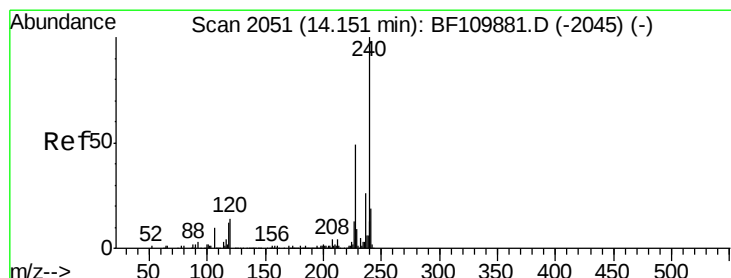
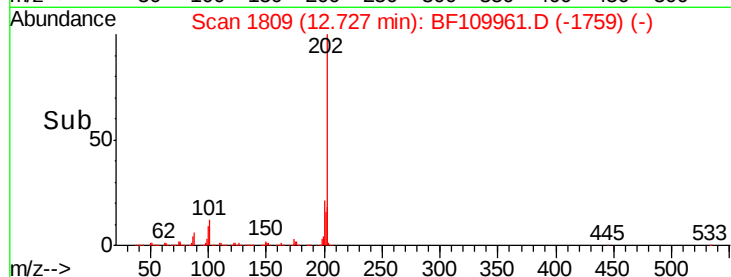
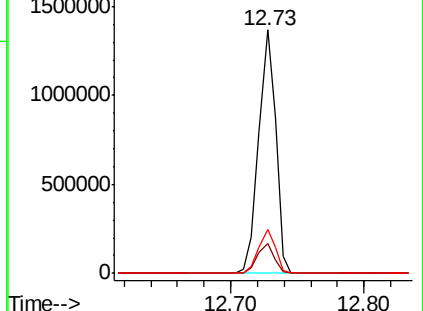
203 17.8 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

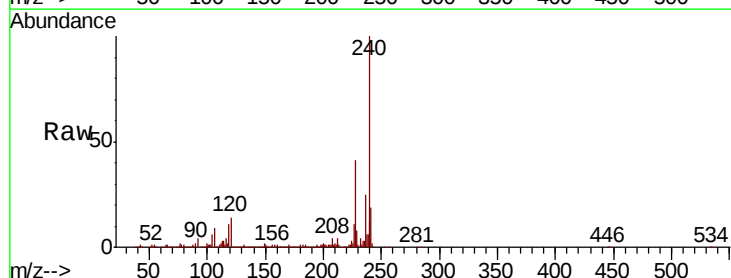
Tgt Ion:240 Resp: 418106

Ion Ratio Lower Upper

240 100

120 13.6 8.3 12.5#

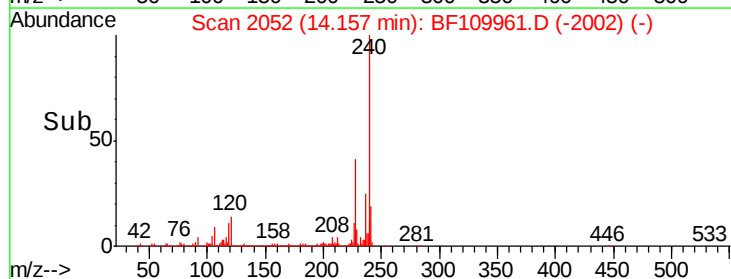
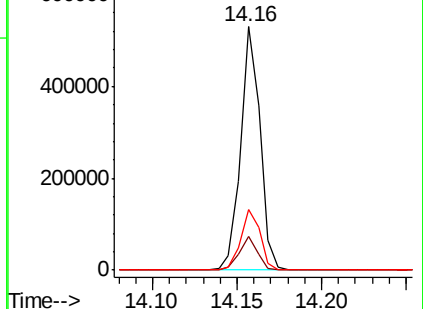
236 24.9 21.2 31.8

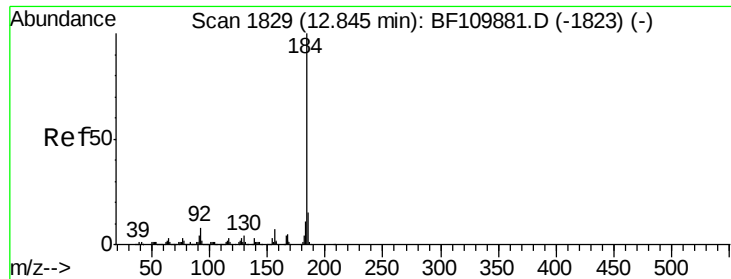


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 40.576 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

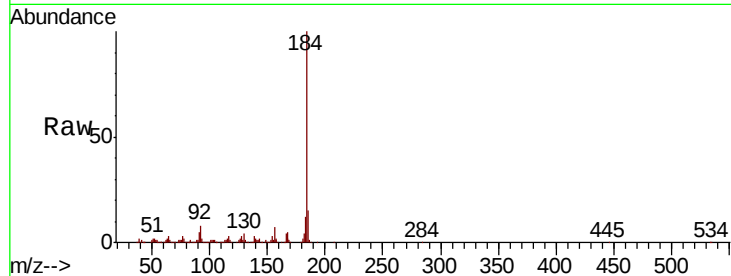
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:184 Resp: 650459

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 15.1  | 13.4  | 20.2  |
| 183 | 11.6  | 9.4   | 14.2  |

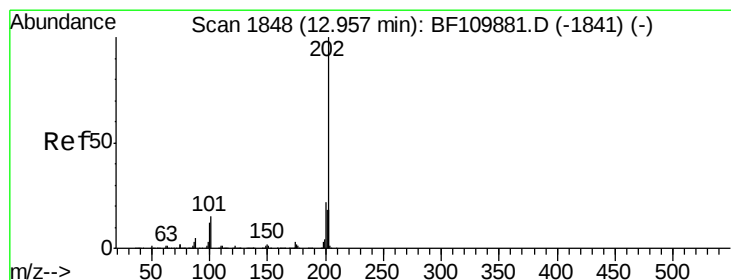
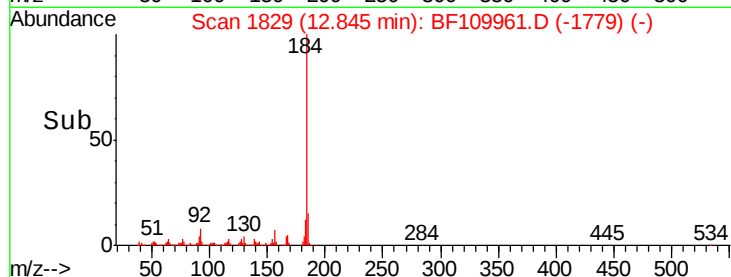
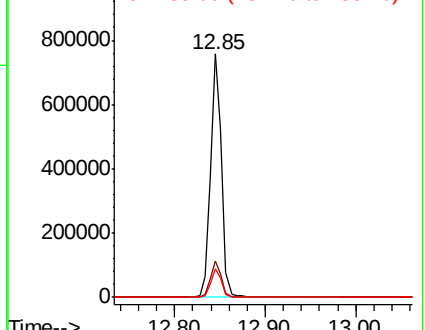


Abundance

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



#78

Pyrene

Concen: 37.274 ng

RT: 12.96 min Scan# 1848

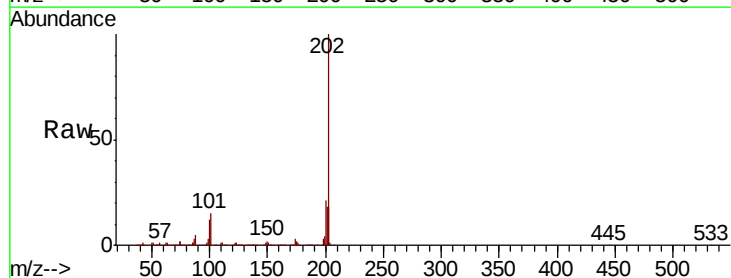
Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Tgt Ion:202 Resp: 1144639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.2  | 17.8  | 26.6  |
| 203 | 18.0  | 14.2  | 21.4  |

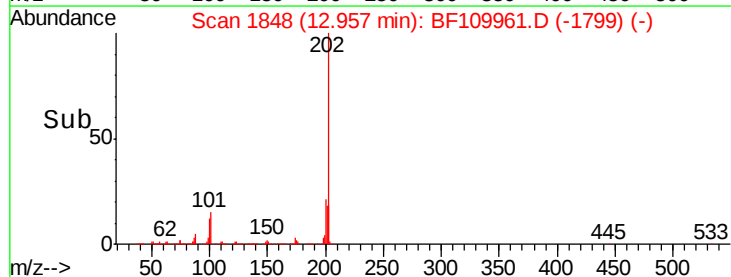
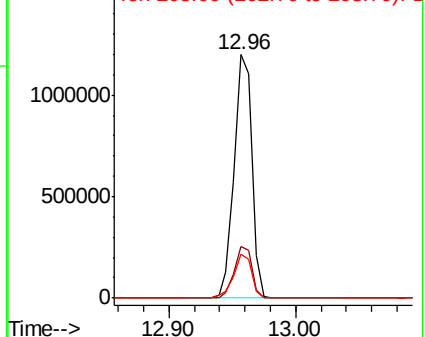


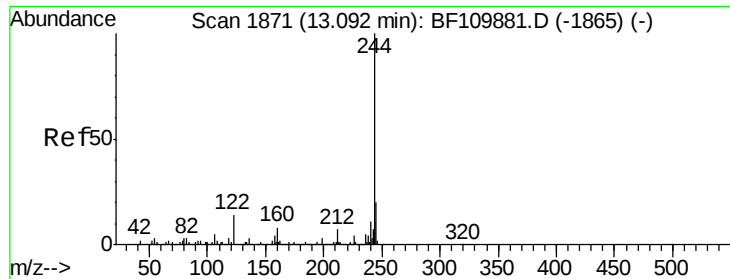
Abundance

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





#79

Terphenyl-d14

Concen: 77.940 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

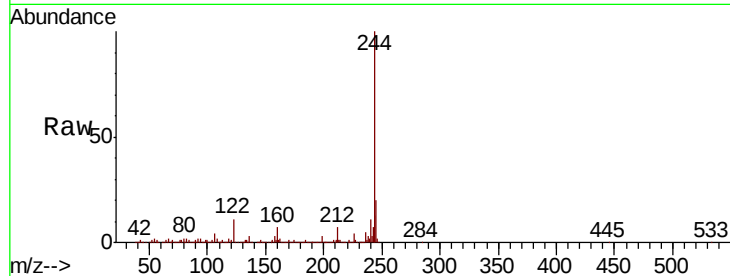
Tot Ion:244 Resp: 1551819

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.8   | 8.8   |
| 122 | 11.4  | 8.7   | 13.1  |

244 100

212 6.8 5.8 8.8

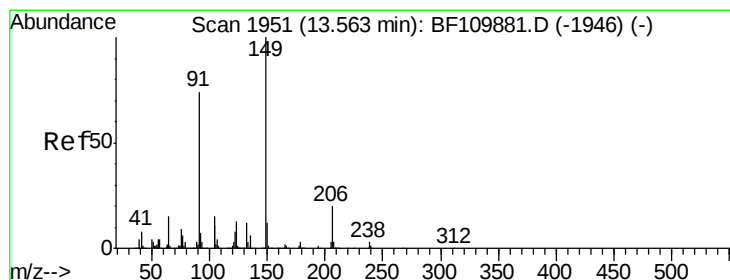
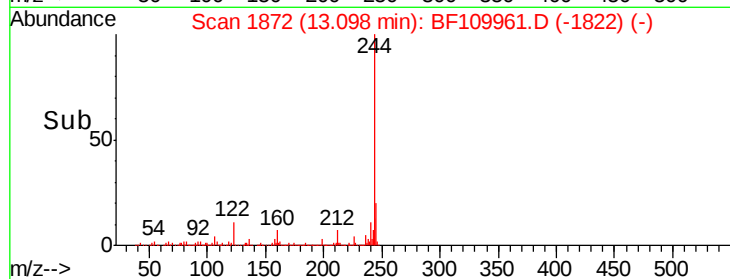
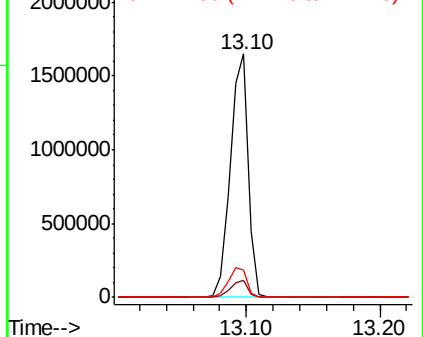
122 11.4 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 39.001 ng

RT: 13.57 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

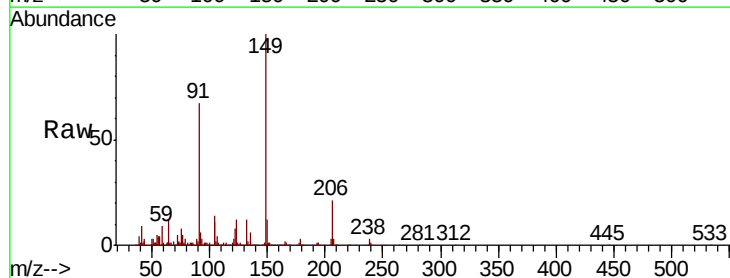
Tgt Ion:149 Resp: 484204

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 66.5  | 57.2  | 85.8  |
| 206 | 21.2  | 15.7  | 23.5  |

149 100

91 66.5 57.2 85.8

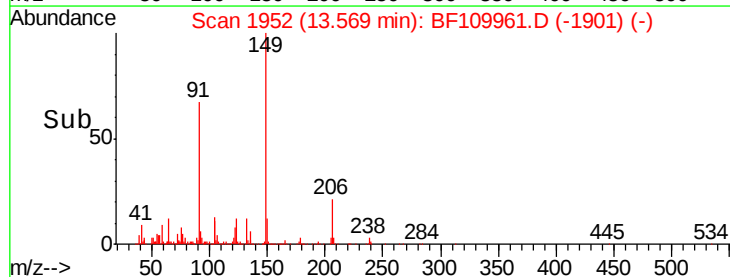
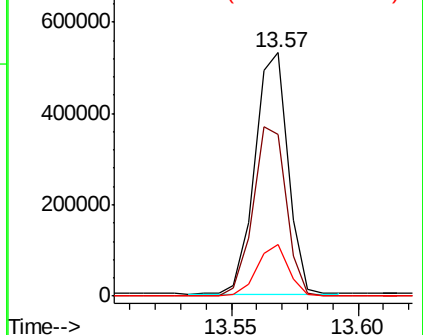
206 21.2 15.7 23.5

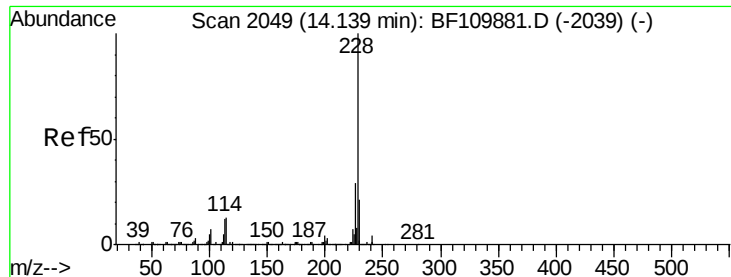


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 36.719 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

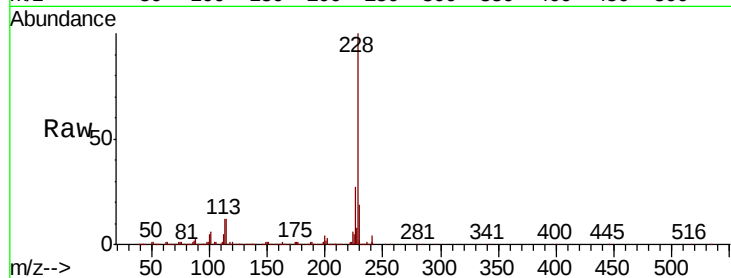
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:228 Resp: 904291

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.0  | 22.1  | 33.1  |
| 229 | 19.1  | 15.6  | 23.4  |

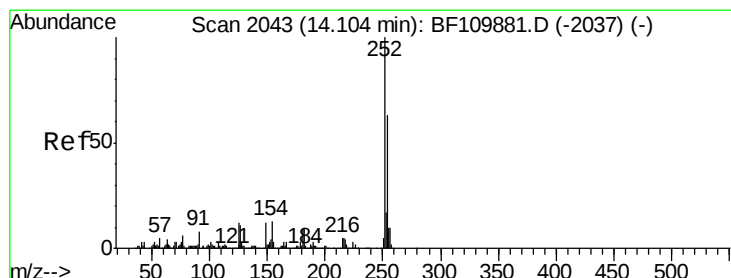
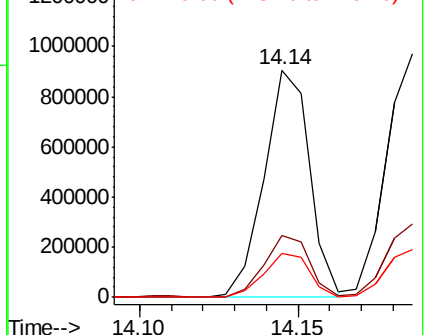
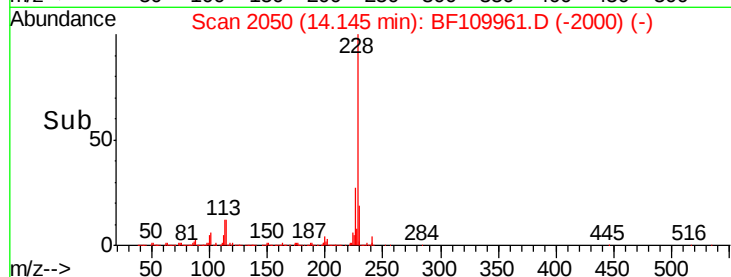


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 31.550 ng

RT: 14.10 min Scan# 2043

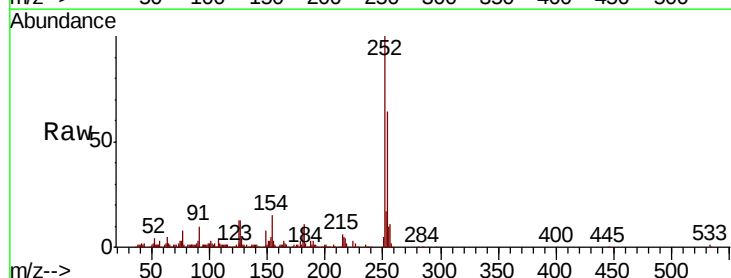
Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Tgt Ion:252 Resp: 272398

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 64.1  | 51.3  | 76.9  |
| 126 | 13.3  | 9.4   | 14.2  |

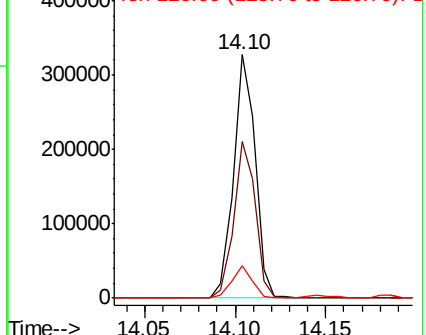
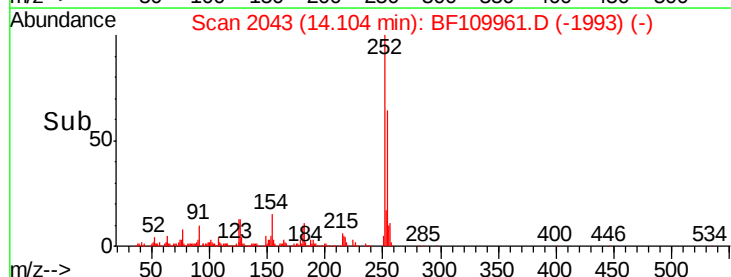


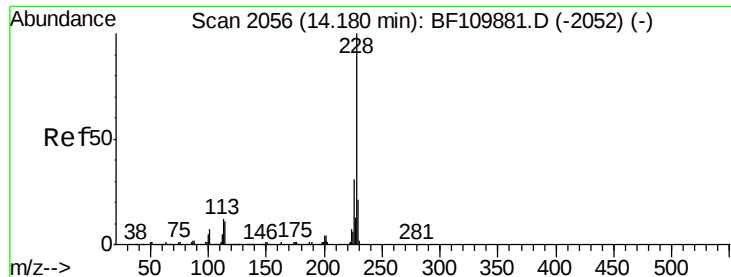
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 36.183 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

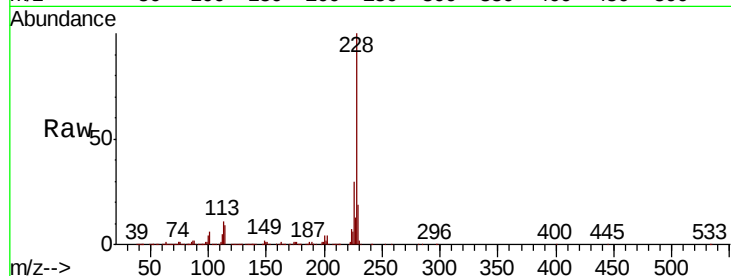
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:228 Resp: 848179

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.3  | 24.7  | 37.1  |
| 229 | 19.4  | 15.9  | 23.9  |

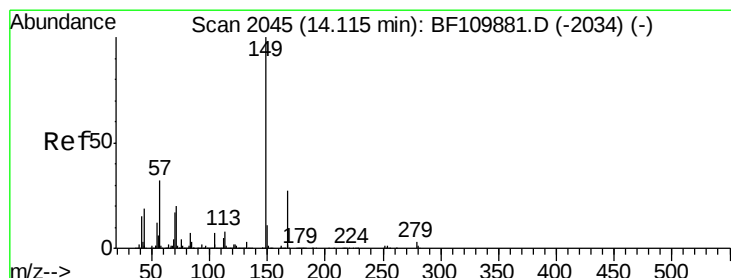
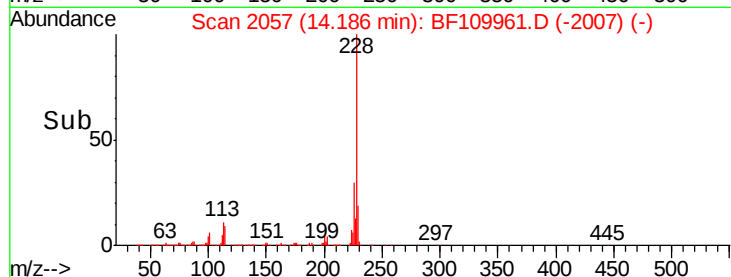
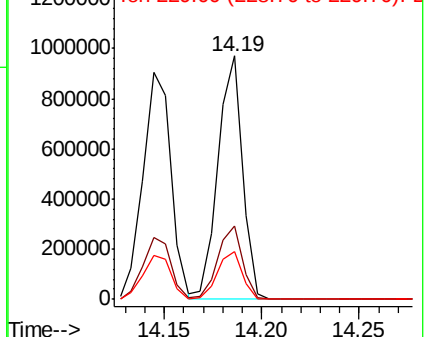


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.268 ng

RT: 14.12 min Scan# 2046

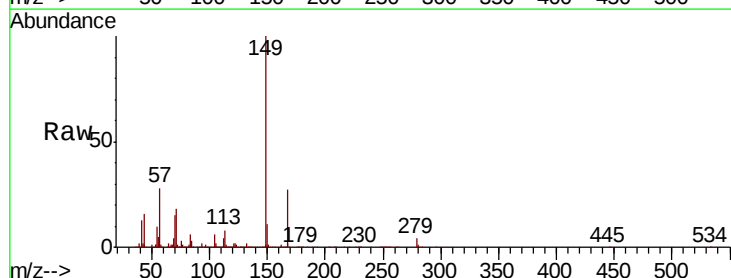
Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Tgt Ion:149 Resp: 674167

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.9  | 19.8  | 29.8  |
| 279 | 3.9   | 2.7   | 4.1   |

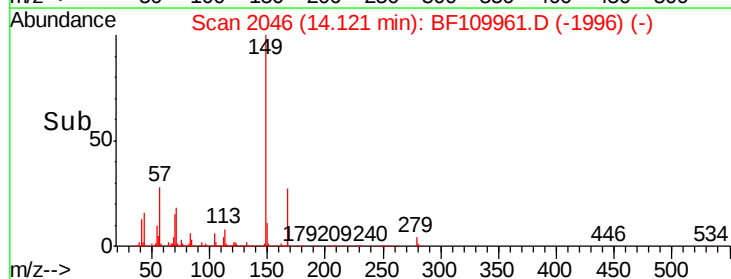
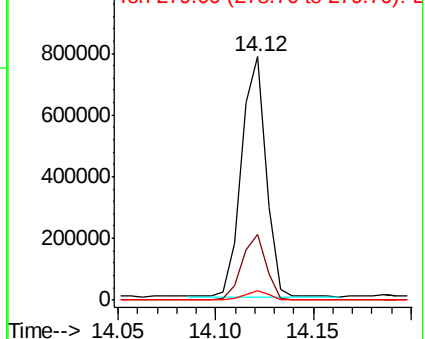


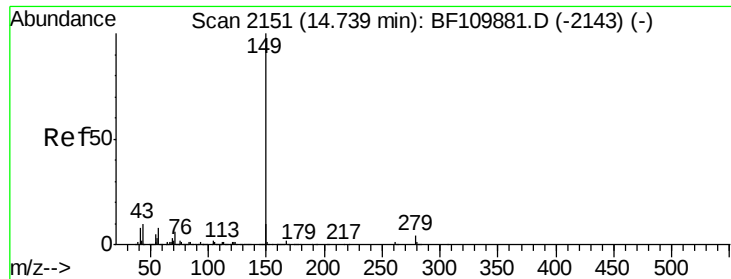
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.068 ng

RT: 14.74 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

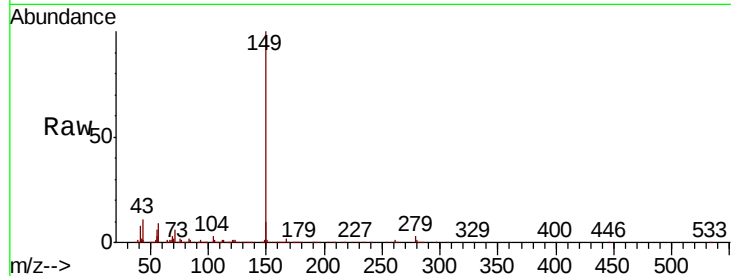
Tot Ion:149 Resp: 1084051

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 10.0 7.8 11.8

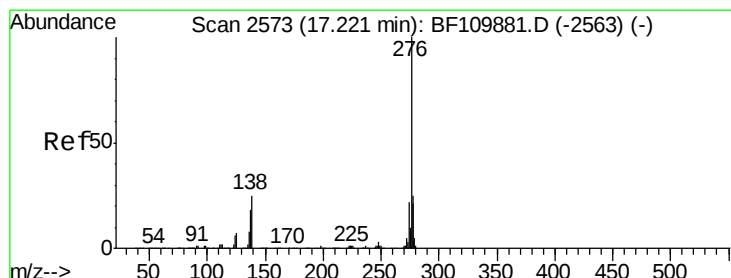
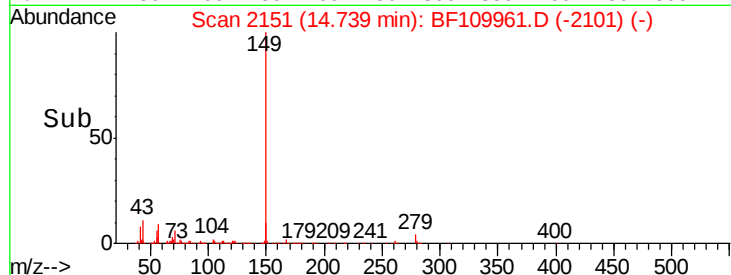
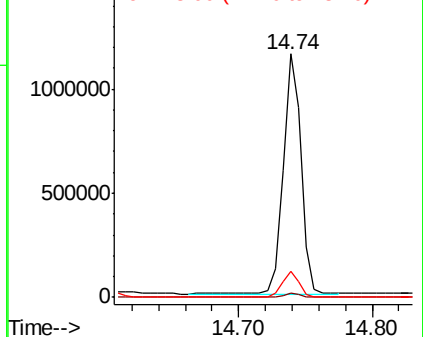


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 55.020 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

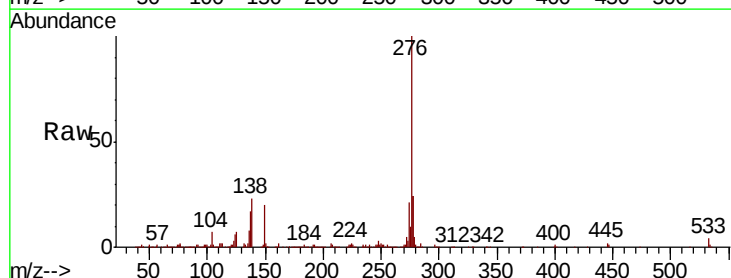
Tgt Ion:276 Resp: 1038447

Ion Ratio Lower Upper

276 100

138 27.8 18.5 27.7#

277 24.9 20.0 30.0

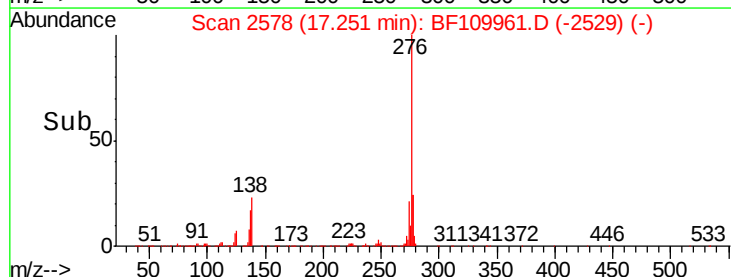
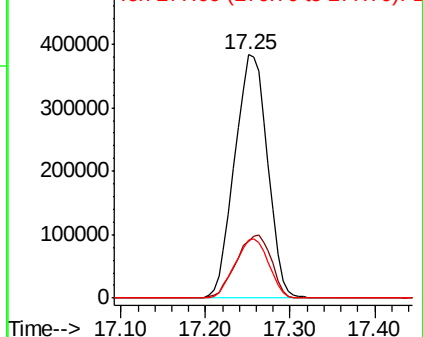


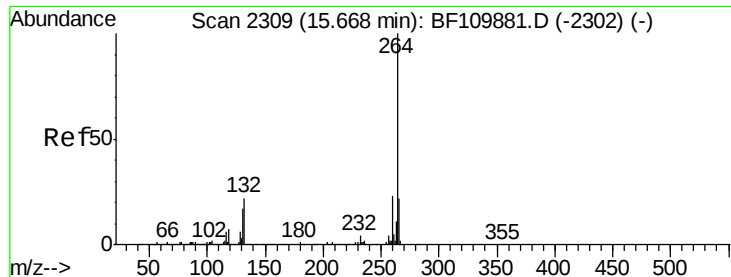
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

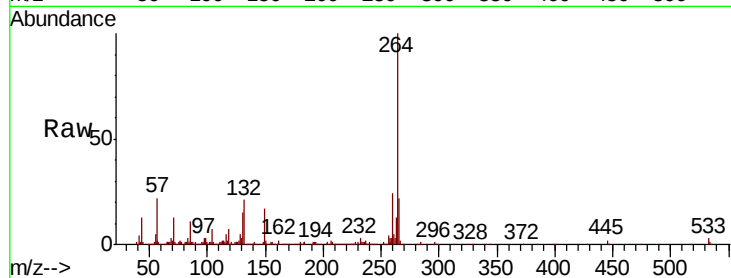
Tot Ion:264 Resp: 445802

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.7 16.7 25.1

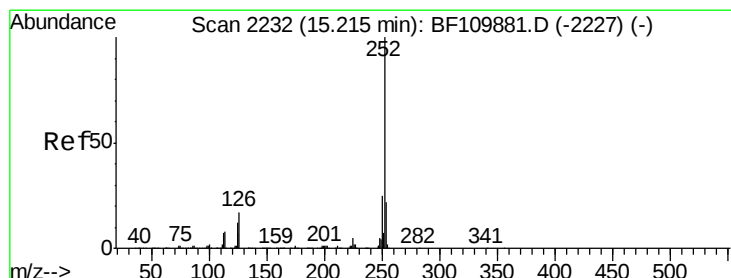
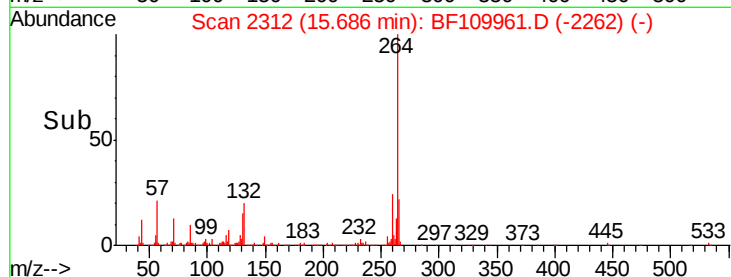
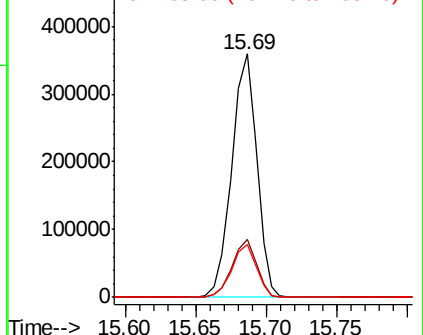


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 35.848 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

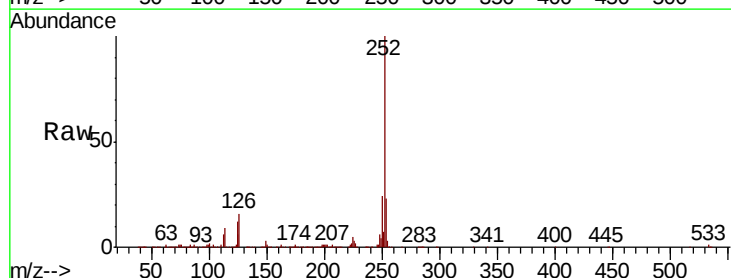
Tgt Ion:252 Resp: 921338

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 12.3 8.2 12.4

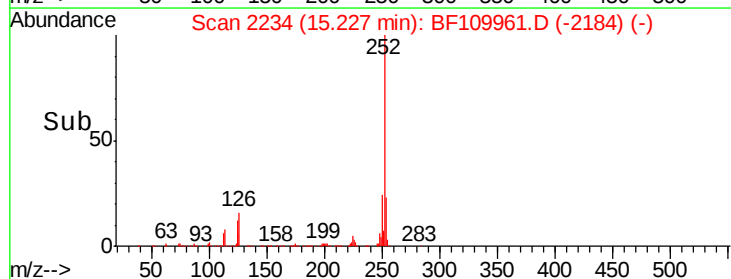
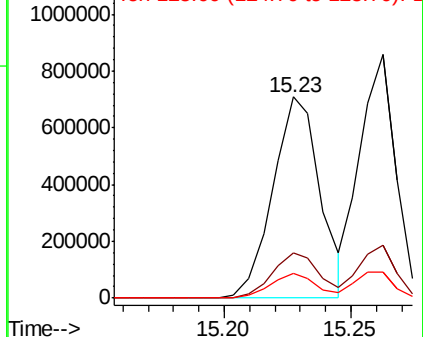


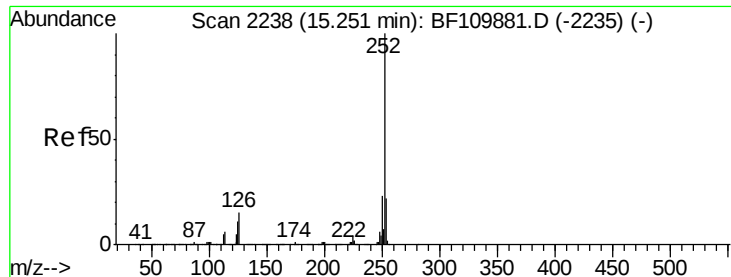
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

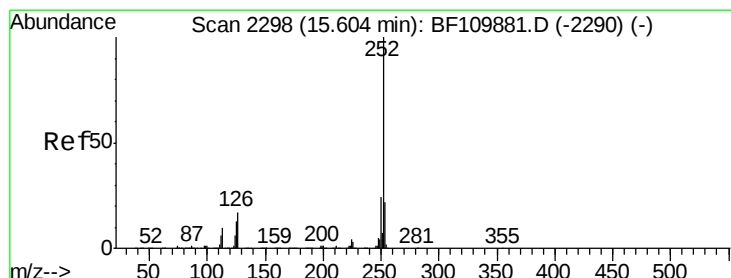
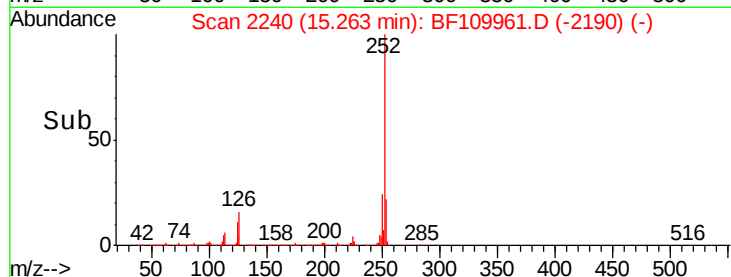
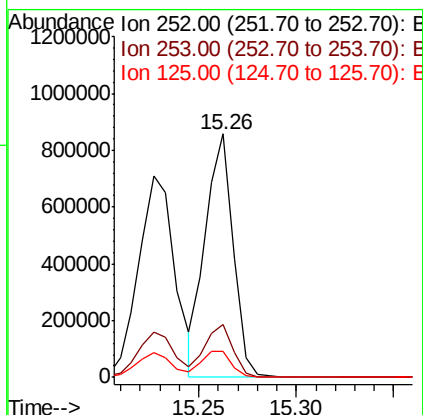
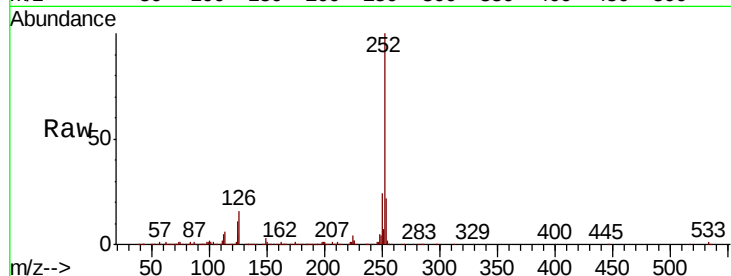




#89  
Benzo(k)fluoranthene  
Concen: 33.332 ng  
RT: 15.26 min Scan# 2240  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

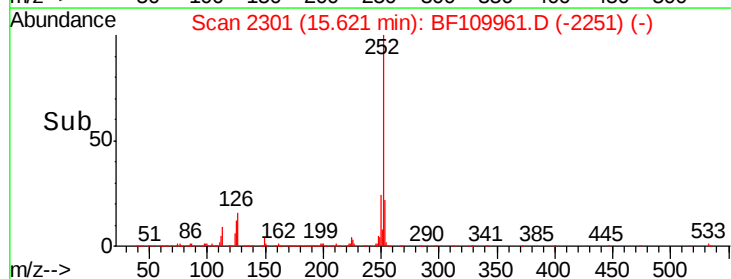
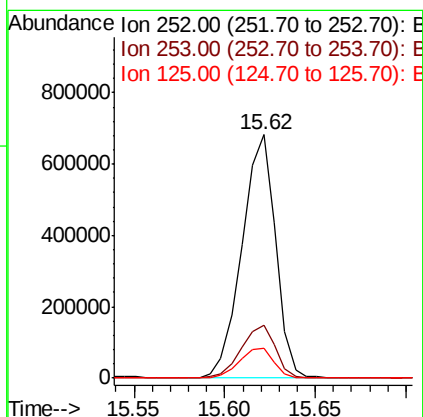
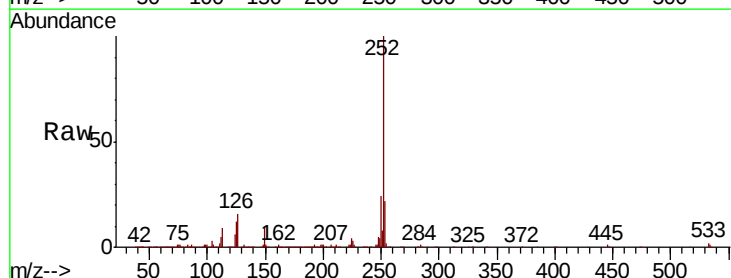
Instrument :  
BNA\_F  
ClientSampleId :

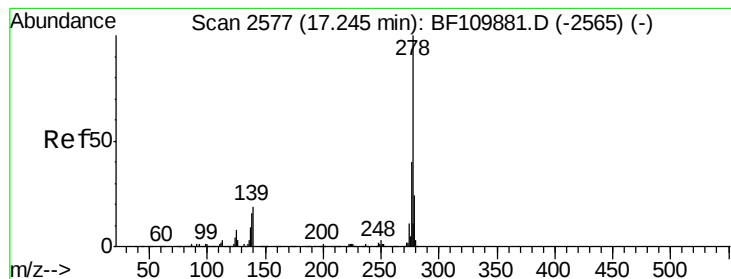
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.2  | 25.8  |
| 125     | 11.0  | 7.4   | 11.0  |



#90  
Benzo(a)pyrene  
Concen: 37.109 ng  
RT: 15.62 min Scan# 2301  
Delta R.T. -0.01 min  
Lab File: BF109961.D  
Acq: 18 Oct 2018 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 18.2  | 27.4  |
| 125     | 12.1  | 9.0   | 13.6  |





#91

Dibenzo(a,h)anthracene

Concen: 41.094 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

Instrument :

BNA\_F

ClientSampleId :

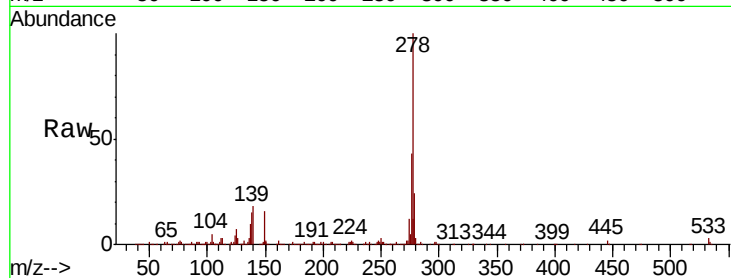
Tot Ion:278 Resp: 860860

Ion Ratio Lower Upper

278 100

139 17.9 12.7 19.1

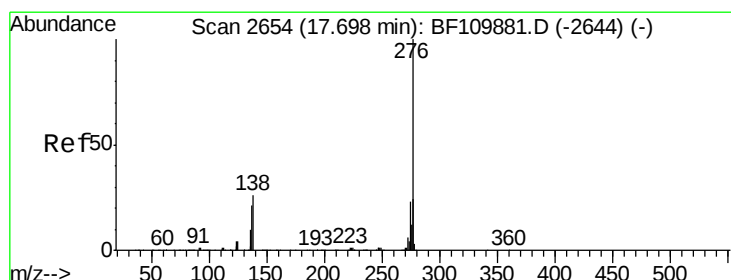
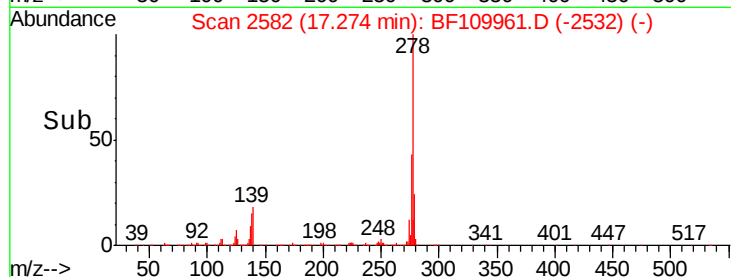
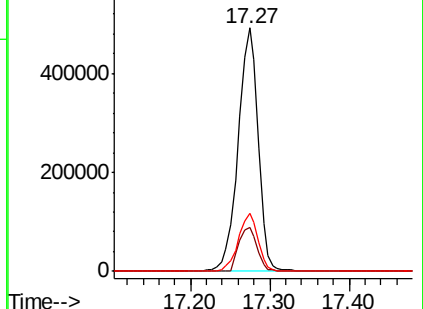
279 23.9 19.0 28.4



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



#92

Benzo(g,h,i)perylene

Concen: 39.341 ng

RT: 17.73 min Scan# 2660

Delta R.T. -0.01 min

Lab File: BF109961.D

Acq: 18 Oct 2018 15:11

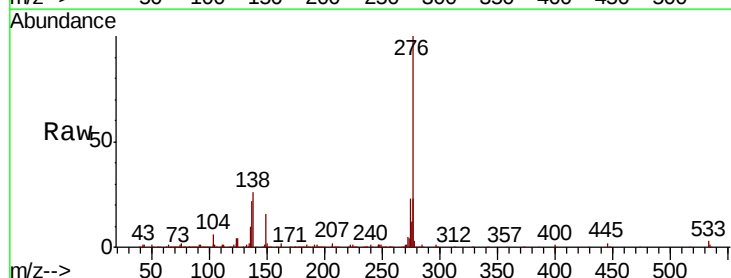
Tgt Ion:276 Resp: 832679

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 25.8 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

