

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
 Data File : BF100113.D  
 Acq On : 3 Nov 2017 5:00  
 Operator : SJ/JU  
 Sample : PB103911BSD  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 03 05:32:39 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 18:13:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.77  | 152  | 71420    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.05  | 136  | 300904   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.80  | 164  | 139968   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 237126   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.95 | 240  | 139366   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.41 | 264  | 122266   | 20.00 | ng    | -0.05    |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 339302 | 74.59 | ng | 0.00  |
| 7) Phenol-d6             | 6.42  | 99  | 389674 | 72.24 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 318575 | 68.16 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 87795  | 68.83 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.13  | 172 | 679779 | 74.93 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.88 | 244 | 563104 | 88.30 | ng | -0.02 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.55 | 88  | 65320  | 32.516 | ng | 89     |
| 3) Pyridine                    | 3.31 | 79  | 131927 | 27.309 | ng | # 84   |
| 4) n-Nitrosodimethylamine      | 3.27 | 42  | 50242  | 29.111 | ng | # 61   |
| 6) Aniline                     | 6.44 | 93  | 168562 | 24.101 | ng | # 87   |
| 8) 2-Chlorophenol              | 6.56 | 128 | 187234 | 38.618 | ng | 93     |
| 9) Benzaldehyde                | 6.33 | 77  | 64081  | 19.881 | ng | 90     |
| 10) Phenol                     | 6.43 | 94  | 217236 | 36.681 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.50 | 93  | 160037 | 34.994 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.70 | 146 | 196824 | 36.155 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.79 | 146 | 201844 | 36.532 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.94 | 146 | 187076 | 37.151 | ng | 95     |
| 15) Benzyl Alcohol             | 6.92 | 79  | 126848 | 36.978 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.04 | 45  | 203577 | 40.072 | ng | # 26   |
| 17) 2-Methylphenol             | 7.03 | 107 | 144113 | 35.535 | ng | # 93   |
| 18) Hexachloroethane           | 7.27 | 117 | 59789  | 32.436 | ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70  | 112380 | 35.552 | ng | # 88   |
| 20) 3+4-Methylphenols          | 7.19 | 107 | 196439 | 41.599 | ng | # 76   |
| 22) Acetophenone               | 7.19 | 105 | 240508 | 35.104 | ng | # 93   |
| 24) Nitrobenzene               | 7.36 | 77  | 168910 | 35.867 | ng | 89     |
| 25) Isophorone                 | 7.59 | 82  | 311955 | 36.783 | ng | 97     |
| 26) 2-Nitrophenol              | 7.67 | 139 | 96105  | 35.630 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.72 | 122 | 166105 | 41.796 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93  | 209226 | 35.225 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.92 | 162 | 158059 | 38.285 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.99 | 180 | 157404 | 35.683 | ng | 98     |
| 31) Naphthalene                | 8.07 | 128 | 523318 | 36.029 | ng | 99     |
| 32) Benzoic acid               | 7.87 | 122 | 93887  | 26.839 | ng | # 87   |
| 33) 4-Chloroaniline            | 8.13 | 127 | 120357 | 20.067 | ng | 95     |
| 34) Hexachlorobutadiene        | 8.18 | 225 | 78273  | 34.498 | ng | 99     |
| 35) Caprolactam                | 8.51 | 113 | 29815  | 22.965 | ng | # 75   |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107 | 156659 | 37.177 | ng | 92     |
| 37) 2-Methylnaphthalene        | 8.76 | 142 | 368280 | 37.835 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 150490 | 33.290 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 8.91 | 237 | 5811   | 17.421 | ng | 97     |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
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 Sample : PB103911BSD  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

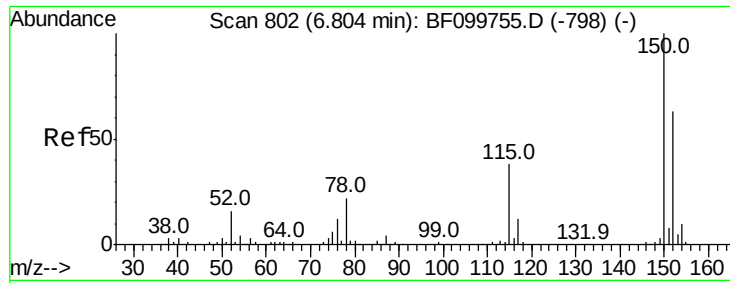
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 03 05:32:39 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 18:13:08 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.06  | 196  | 102341   | 37.427 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.10  | 196  | 101166   | 34.864 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.23  | 154  | 426069   | 33.649 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.26  | 162  | 332234   | 36.129 | ng    | 95       |
| 47) 2-Nitroaniline             | 9.37  | 65   | 86813    | 35.970 | ng    | # 79     |
| 48) Acenaphthylene             | 9.67  | 152  | 492307   | 34.760 | ng    | 99       |
| 49) Dimethylphthalate          | 9.53  | 163  | 380400   | 34.319 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165  | 83913    | 36.011 | ng    | # 76     |
| 51) Acenaphthene               | 9.84  | 154  | 299923   | 34.657 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.78  | 138  | 72629    | 26.453 | ng    | 90       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 30786    | 36.814 | ng    | # 81     |
| 54) Dibenzofuran               | 10.02 | 168  | 450275   | 36.860 | ng    | 98       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 78245    | 54.542 | ng    | # 78     |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 109687   | 39.087 | ng    | # 87     |
| 57) Fluorene                   | 10.36 | 166  | 361234   | 35.715 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.15 | 232  | 79298    | 38.976 | ng    | # 91     |
| 59) Diethylphthalate           | 10.23 | 149  | 370839   | 34.260 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204  | 166933   | 35.069 | ng    | 91       |
| 61) 4-Nitroaniline             | 10.40 | 138  | 81689    | 31.185 | ng    | # 79     |
| 62) Azobenzene                 | 10.50 | 77   | 313824   | 34.586 | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 26860    | 18.020 | ng    | 85       |
| 65) n-Nitrosodiphenylamine     | 10.47 | 169  | 320862   | 36.656 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.83 | 248  | 95410    | 38.220 | ng    | 92       |
| 67) Hexachlorobenzene          | 10.91 | 284  | 94084    | 36.839 | ng    | # 90     |
| 68) Atrazine                   | 11.00 | 200  | 98727    | 37.548 | ng    | 99       |
| 69) Pentachlorophenol          | 11.12 | 266  | 61624    | 56.469 | ng    | 97       |
| 70) Phenanthrene               | 11.32 | 178  | 486501   | 36.354 | ng    | 98       |
| 71) Anthracene                 | 11.37 | 178  | 498634   | 36.708 | ng    | 99       |
| 72) Carbazole                  | 11.54 | 167  | 457864   | 35.844 | ng    | 97       |
| 73) Di-n-butylphthalate        | 11.84 | 149  | 598559   | 36.738 | ng    | 99       |
| 74) Fluoranthene               | 12.52 | 202  | 443381   | 31.882 | ng    | 97       |
| 76) Benzidine                  | 12.64 | 184  | 242086   | 39.698 | ng    | 98       |
| 77) Pyrene                     | 12.74 | 202  | 442607   | 41.766 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.34 | 149  | 211988   | 40.623 | ng    | 93       |
| 80) Benzo(a)anthracene         | 13.94 | 228  | 318856   | 36.091 | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 13.90 | 252  | 101945   | 31.788 | ng    | # 99     |
| 82) Chrysene                   | 13.97 | 228  | 301283   | 36.273 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.90 | 149  | 278116   | 37.951 | ng    | # 99     |
| 84) Di-n-octyl phthalate       | 14.51 | 149  | 424921   | 33.783 | ng    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.87 | 276  | 266320   | 34.927 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 14.99 | 252  | 269103   | 34.856 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 15.02 | 252  | 275810   | 37.885 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.35 | 252  | 261652   | 37.728 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.87 | 278  | 227257   | 36.878 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.32 | 276  | 218883   | 36.305 | ng    | 94       |

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



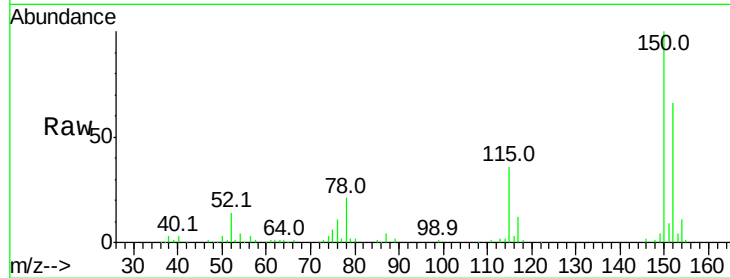


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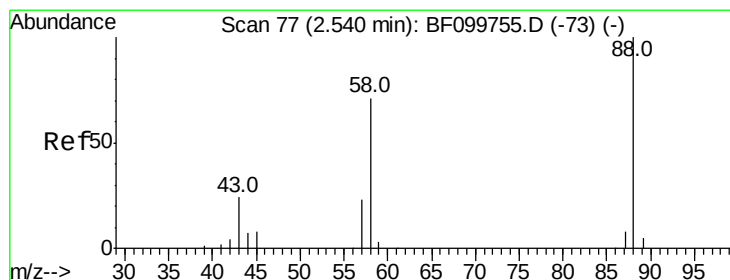
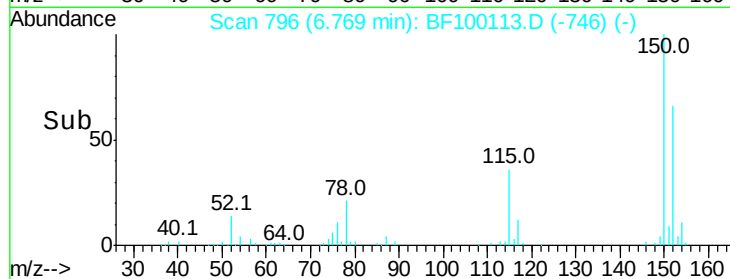
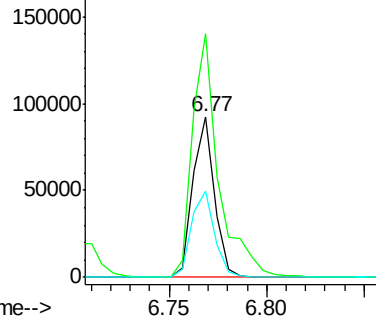
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 71420  
Ion Ratio Lower Upper  
152 100  
150 151.2 124.6 186.8  
115 53.8 50.1 75.1



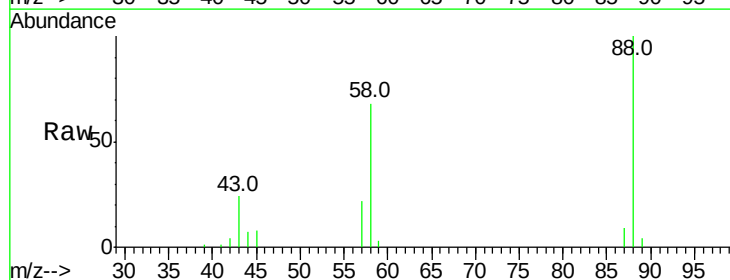
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



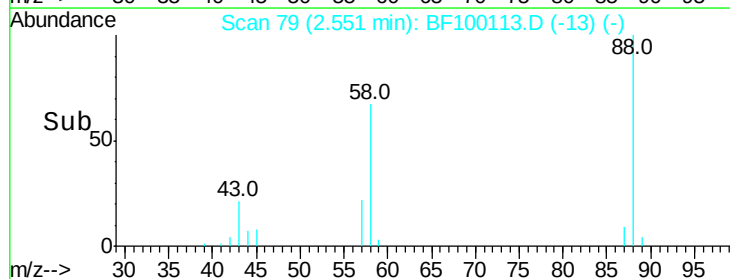
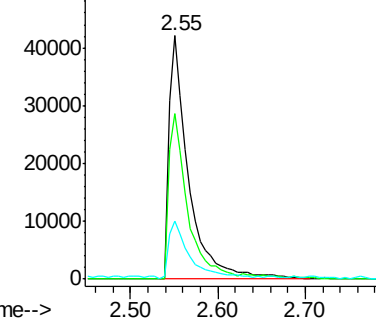
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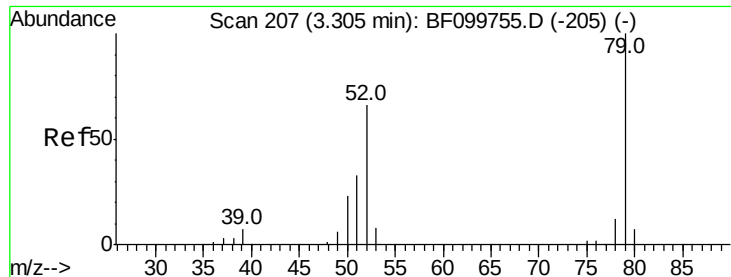
1,4-Dioxane  
Concen: 32.516 ng  
RT: 2.55 min Scan# 79  
Delta R.T. 0.09 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion: 88 Resp: 65320  
Ion Ratio Lower Upper  
88 100  
58 68.1 62.6 93.8  
43 26.2 24.6 37.0



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

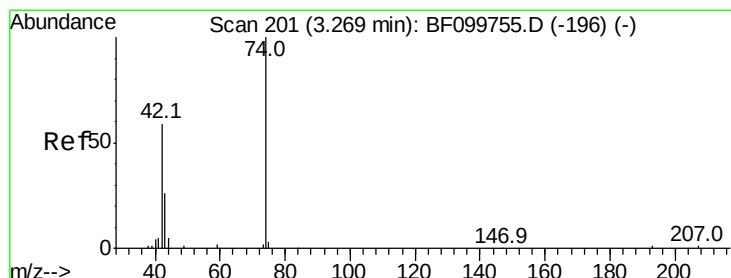
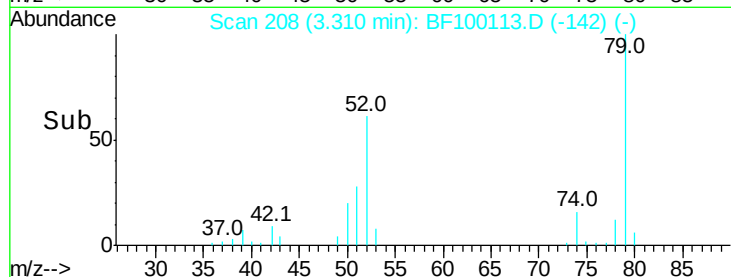
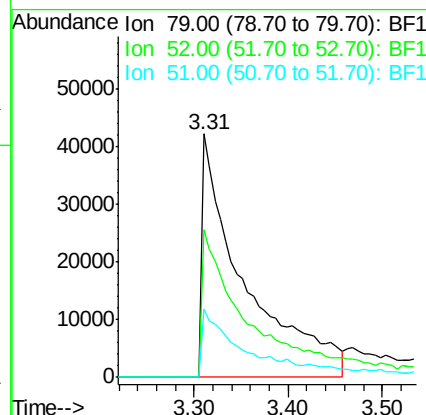
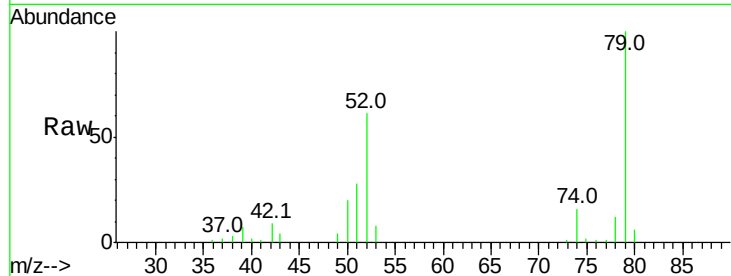




#3  
 Pvrindine  
 Concen: 27.309 ng  
 RT: 3.31 min Scan# 208  
 Delta R.T. 0.09 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

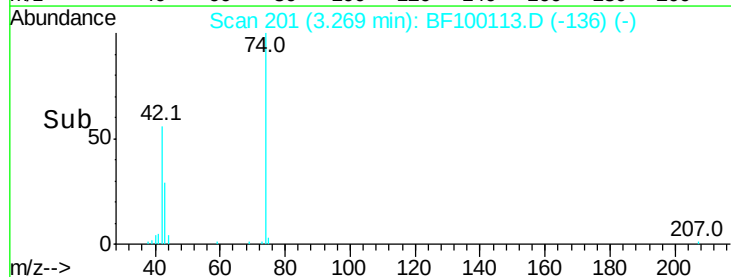
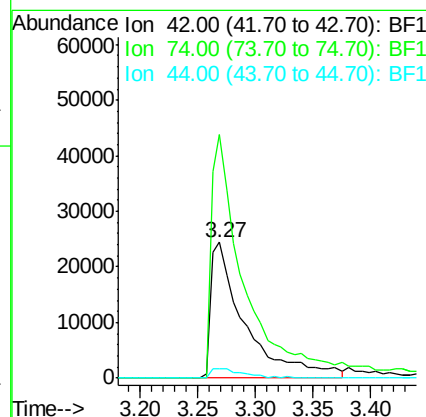
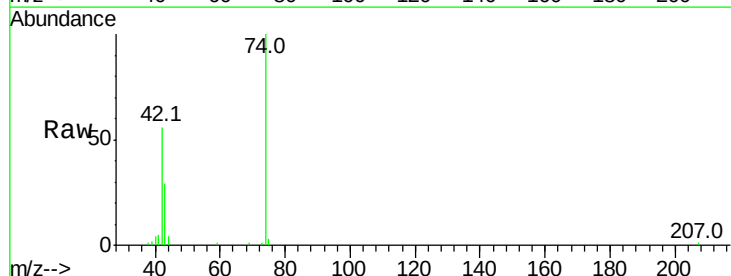
Instrument :  
 BNA\_F  
 ClientSampleId :

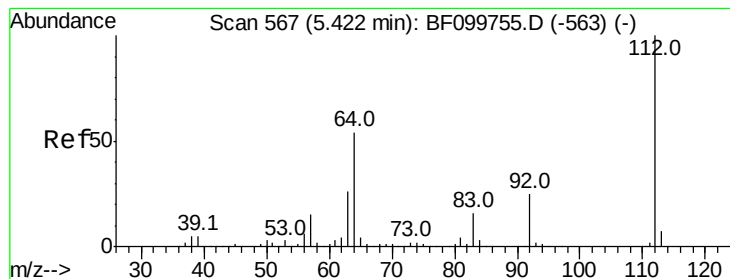
Tot Ion: 79 Resp: 131927  
 Ion Ratio Lower Upper  
 79 100  
 52 60.7 59.8 89.6  
 51 28.1 29.8 44.8#



#4  
 n-Nitrosodimethylamine  
 Concen: 29.111 ng  
 RT: 3.27 min Scan# 201  
 Delta R.T. 0.08 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion: 42 Resp: 50242  
 Ion Ratio Lower Upper  
 42 100  
 74 179.3 104.9 157.3#  
 44 7.2 6.9 10.3

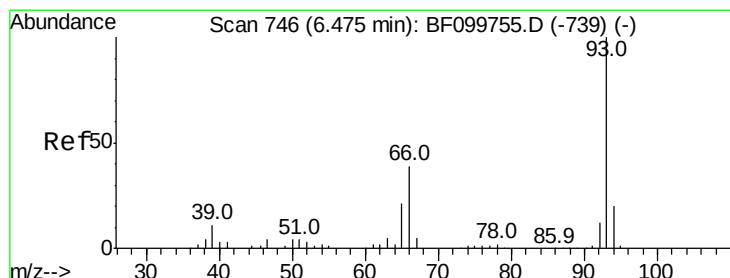
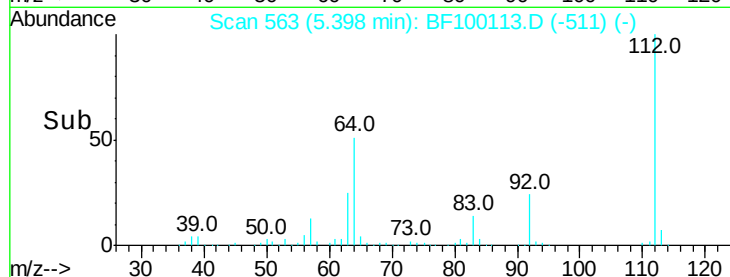
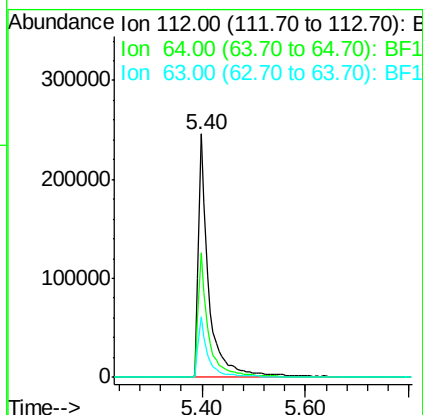
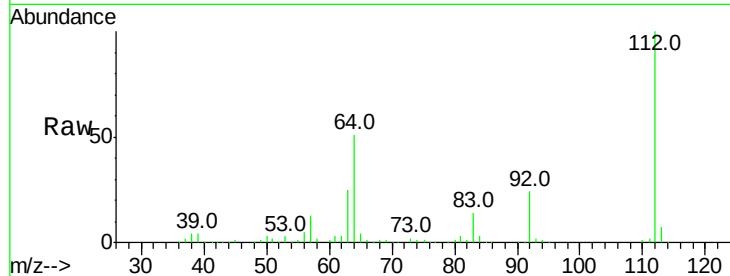




#5  
 2-Fluorophenol  
 Concen: 74.586 ng  
 RT: 5.40 min Scan# 563  
 Delta R.T. 0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

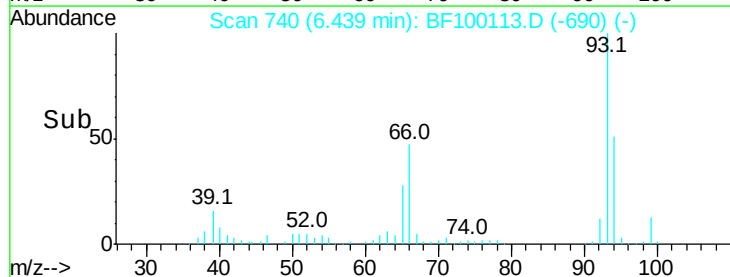
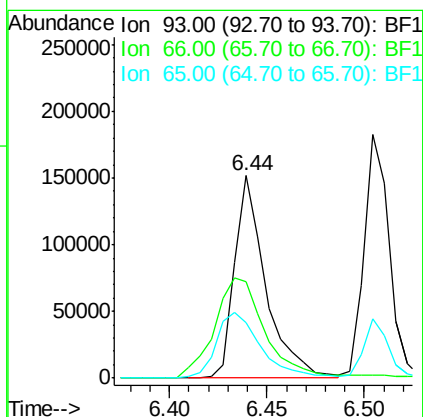
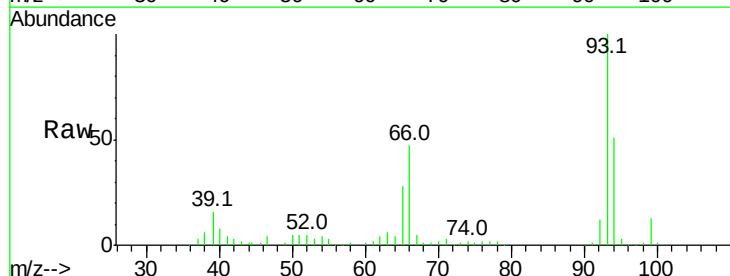
Instrument :  
 BNA\_F  
 ClientSampleId :

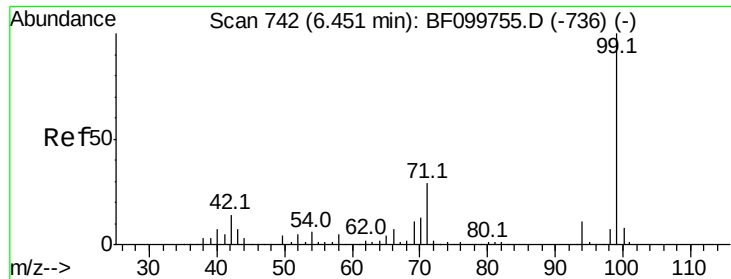
Tot Ion: 112 Resp: 339302  
 Ion Ratio Lower Upper  
 112 100  
 64 51.2 47.9 71.9  
 63 24.8 23.7 35.5



#6  
 Aniline  
 Concen: 24.101 ng  
 RT: 6.44 min Scan# 740  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion: 93 Resp: 168562  
 Ion Ratio Lower Upper  
 93 100  
 66 47.4 32.2 48.2  
 65 27.6 16.4 24.6#





#7

Phenol-d6

Concen: 72.242 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

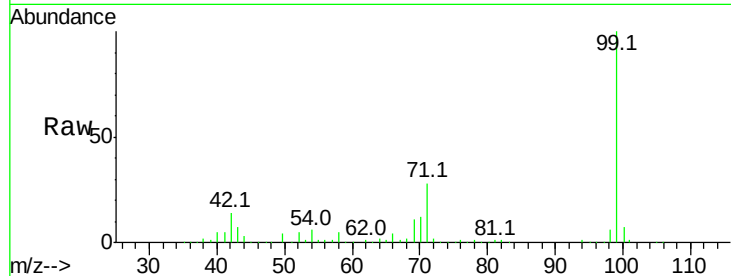
Tot Ion: 99 Resp: 389674

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

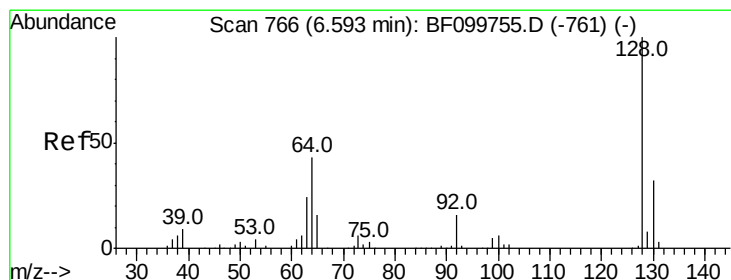
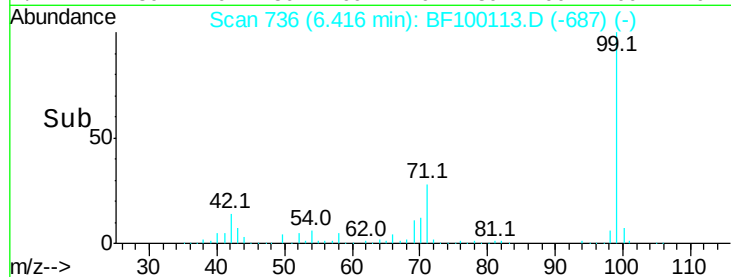
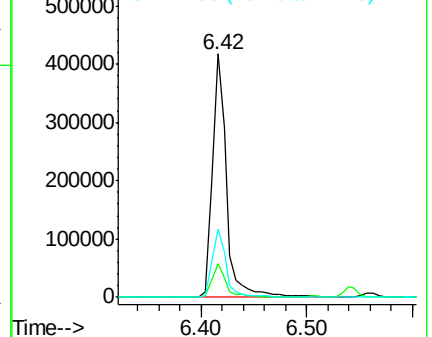
71 28.3 25.4 38.0



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: 38.618 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

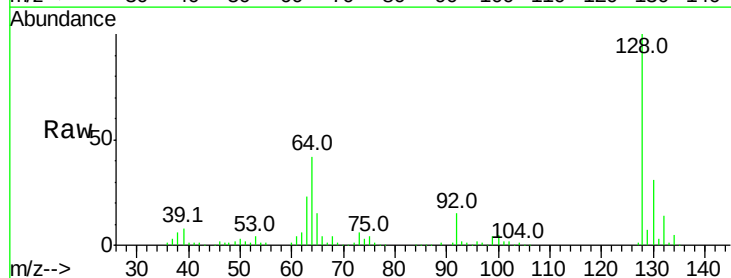
Tgt Ion:128 Resp: 187234

Ion Ratio Lower Upper

128 100

130 31.3 13.0 53.0

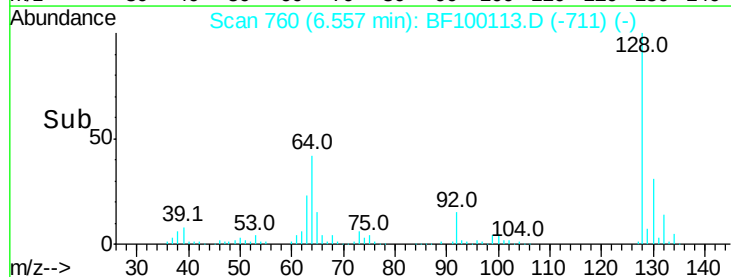
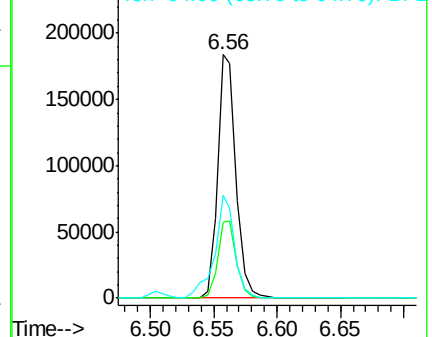
64 42.4 29.4 69.4



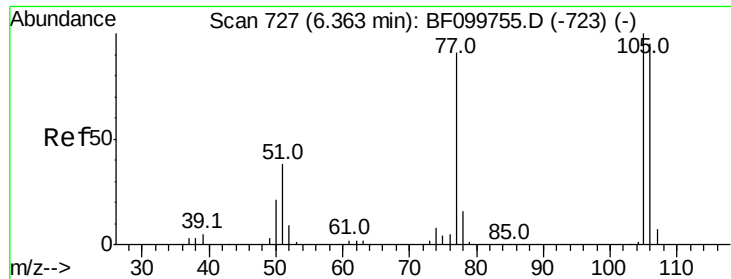
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



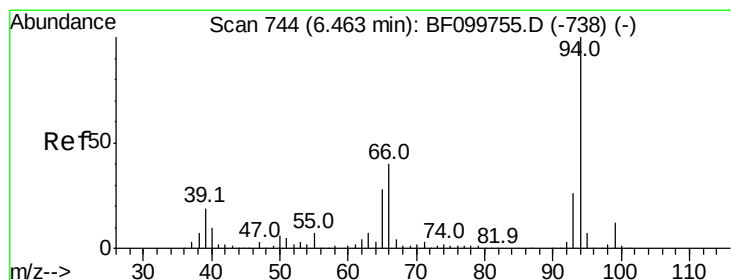
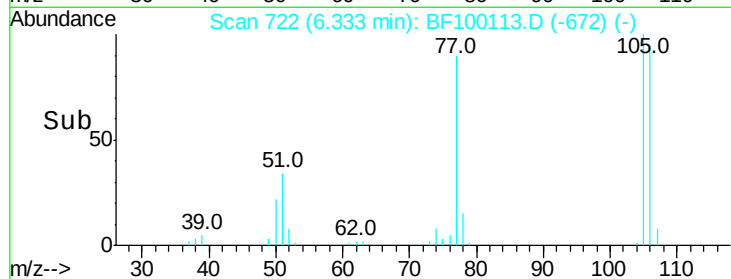
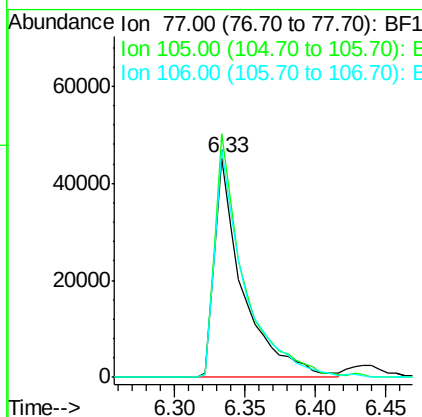
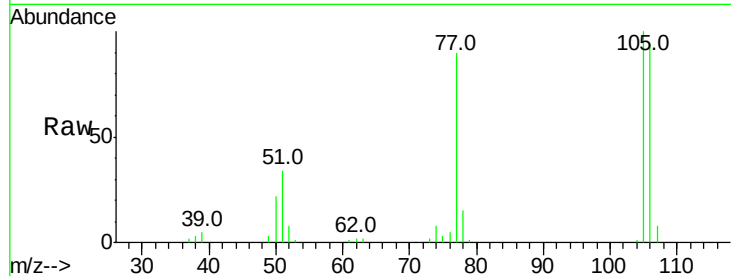




#9  
Benzaldehyde  
Concen: 19.881 ng  
RT: 6.33 min Scan# 722  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

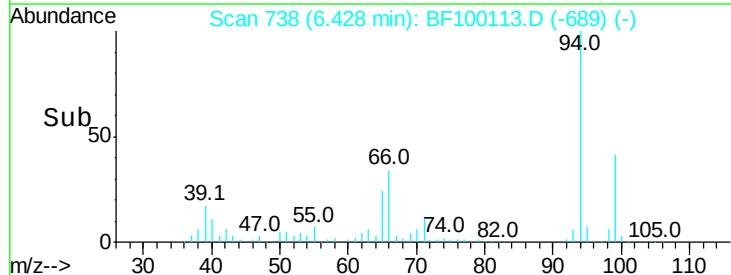
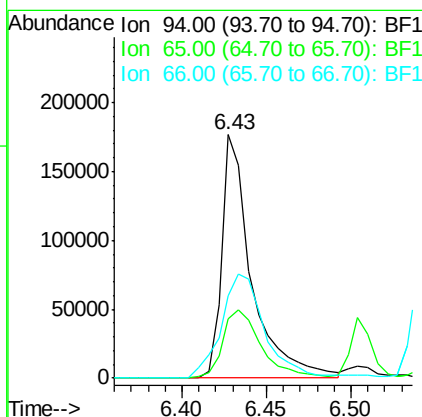
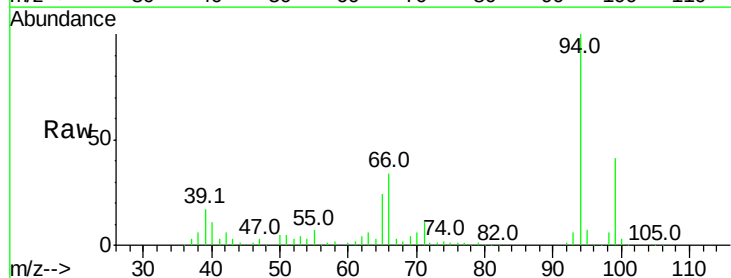
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 77 Resp: 64081  
Ion Ratio Lower Upper  
77 100  
105 110.8 81.1 121.1  
106 104.0 74.5 114.5

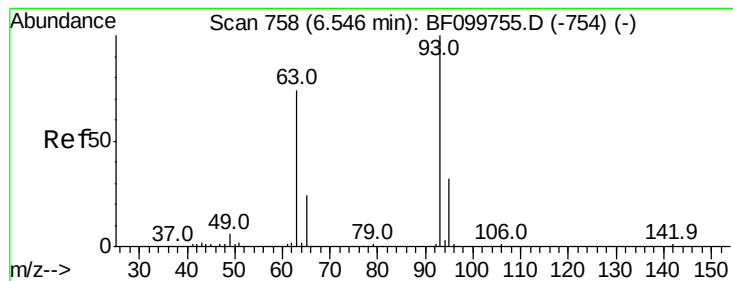


#10  
Phenol  
Concen: 36.681 ng  
RT: 6.43 min Scan# 738  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion: 94 Resp: 217236  
Ion Ratio Lower Upper  
94 100  
65 24.2 7.9 47.9  
66 33.8 16.2 56.2







#11

bis(2-Chloroethyl)ether

Concen: 34.994 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampled :

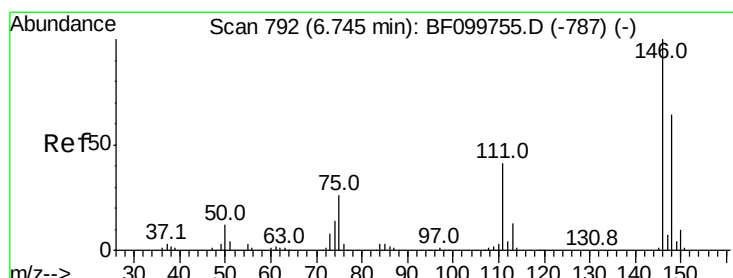
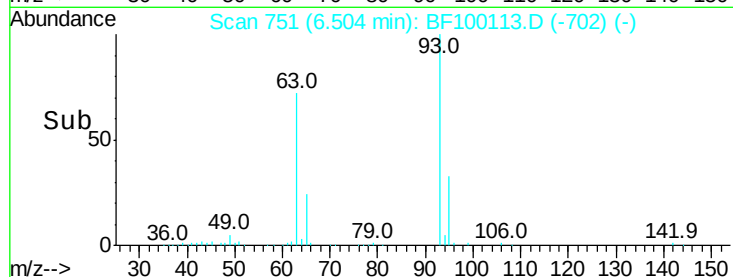
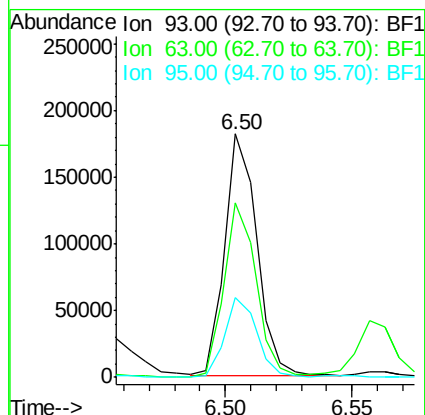
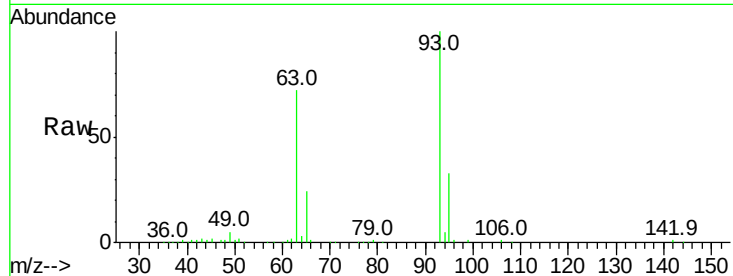
Tot Ion: 93 Resp: 160037

Ion Ratio Lower Upper

93 100

63 71.6 58.6 98.6

95 32.5 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 36.155 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

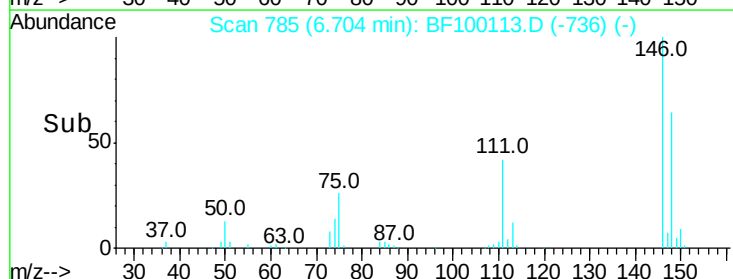
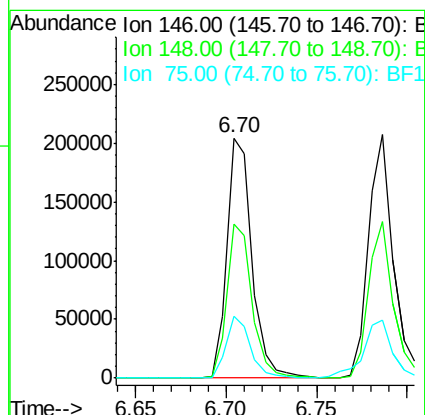
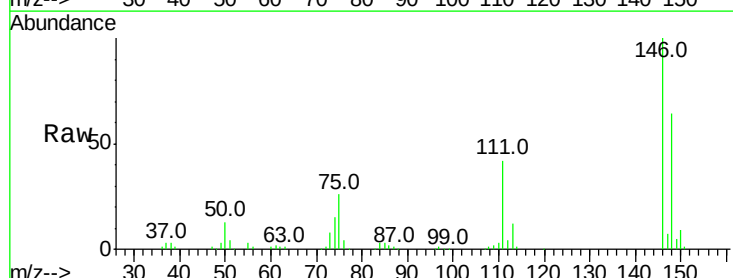
Tgt Ion: 146 Resp: 196824

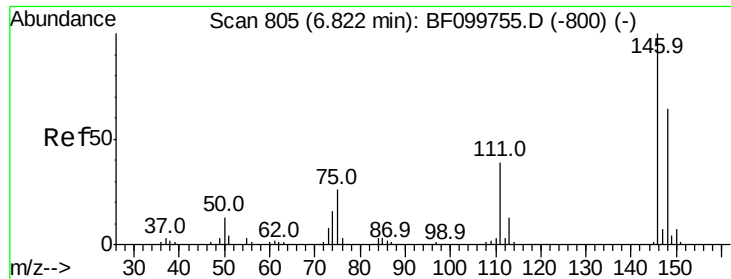
Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.8

75 25.9 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 36.532 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

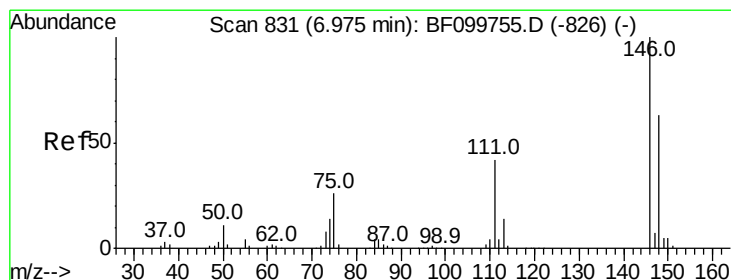
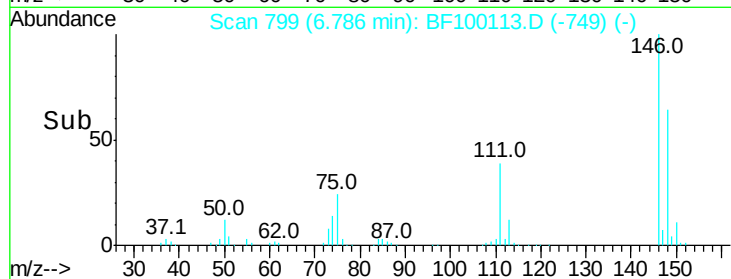
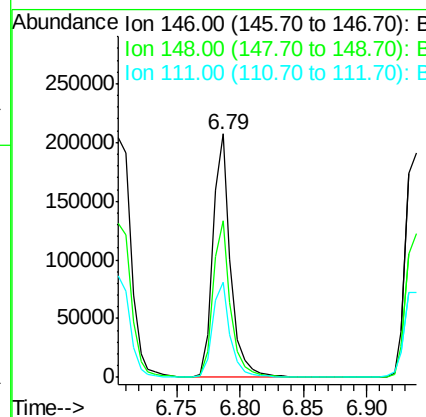
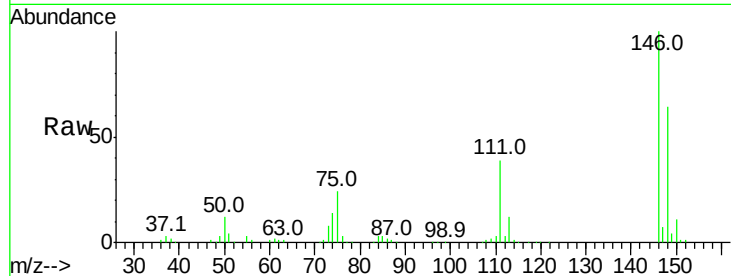
Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:146 Resp: 201844

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.2  | 50.8  | 76.2  |
| 111 | 38.8  | 34.2  | 51.2  |



#14

1,2-Dichlorobenzene

Concen: 37.151 ng

RT: 6.94 min Scan# 825

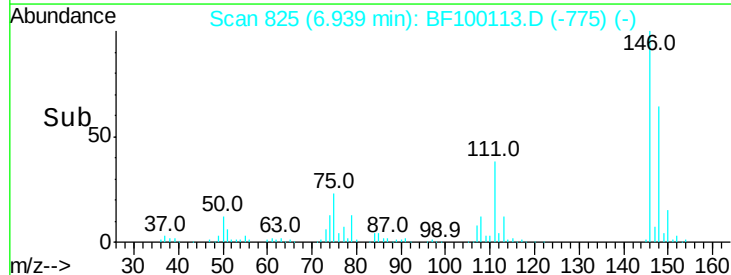
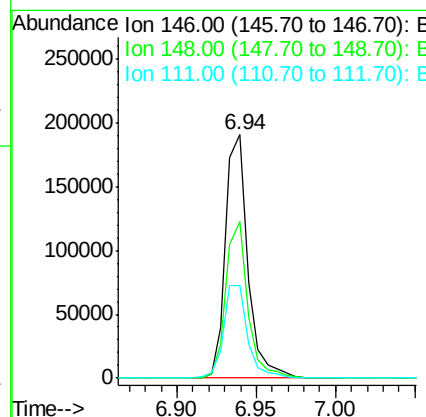
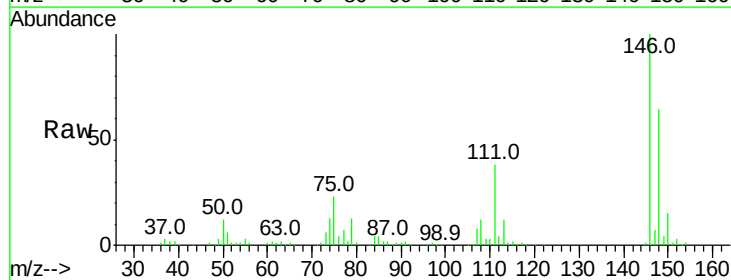
Delta R.T. -0.01 min

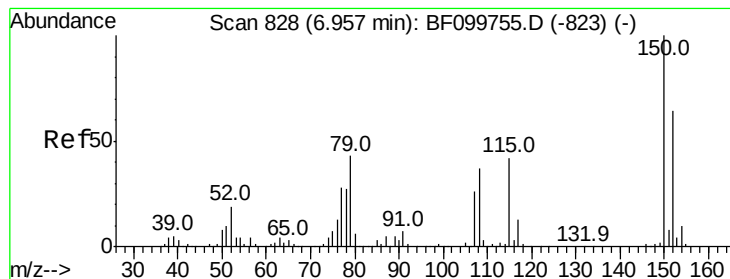
Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Tgt Ion:146 Resp: 187076

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.2  | 50.6  | 75.8  |
| 111 | 37.9  | 36.0  | 54.0  |

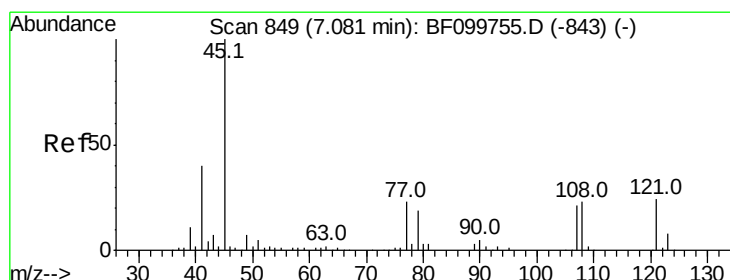
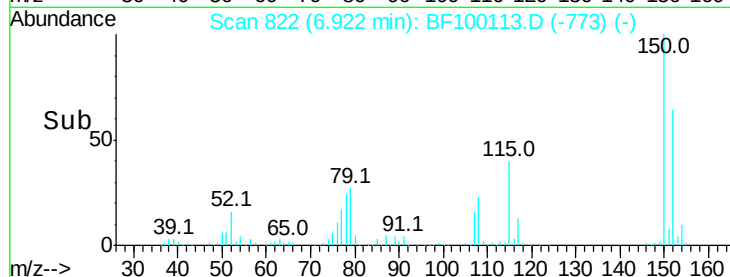
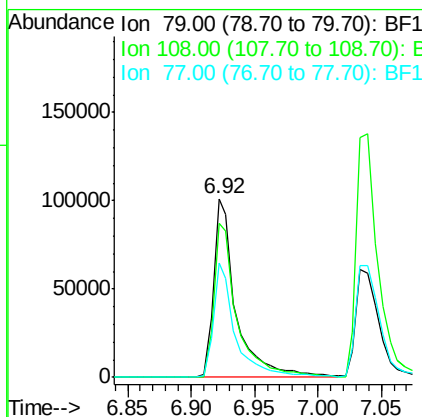
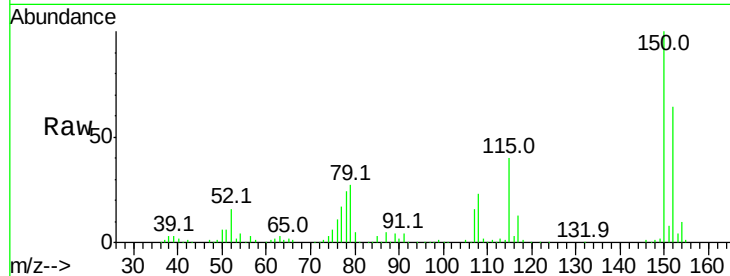




#15  
Benzyl Alcohol  
Concen: 36.978 ng  
RT: 6.92 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

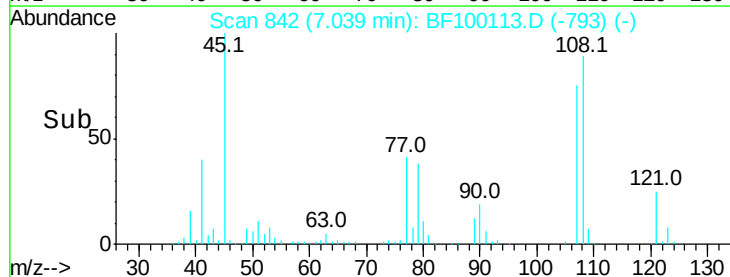
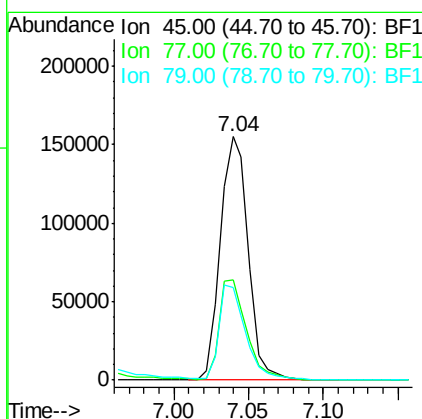
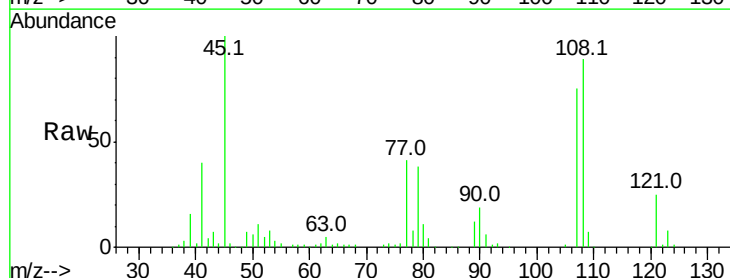
Instrument :  
BNA\_F  
ClientSampleId :

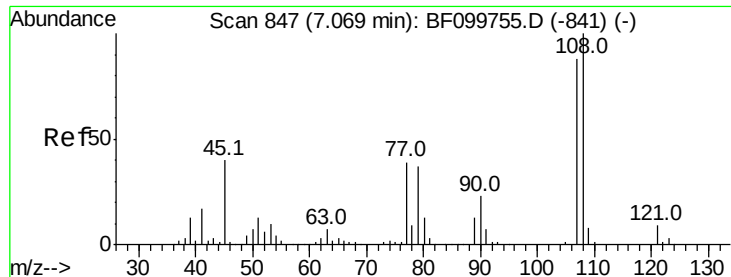
Tot Ion: 79 Resp: 126848  
Ion Ratio Lower Upper  
79 100  
108 86.2 65.1 97.7  
77 64.0 50.6 75.8



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 40.072 ng  
RT: 7.04 min Scan# 842  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion: 45 Resp: 203577  
Ion Ratio Lower Upper  
45 100  
77 41.0 0.0 32.9#  
79 38.2 0.0 29.6#





#17

2-Methylphenol

Concen: 35.535 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampled :

Tot Ion:107 Resp: 144113

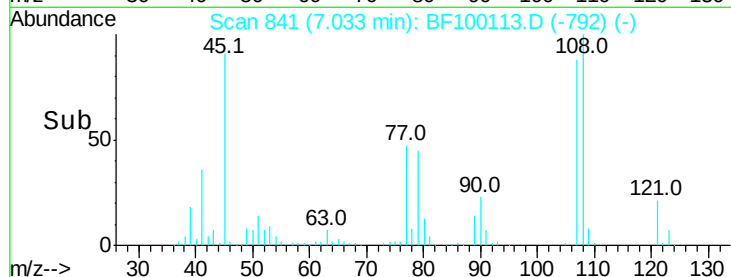
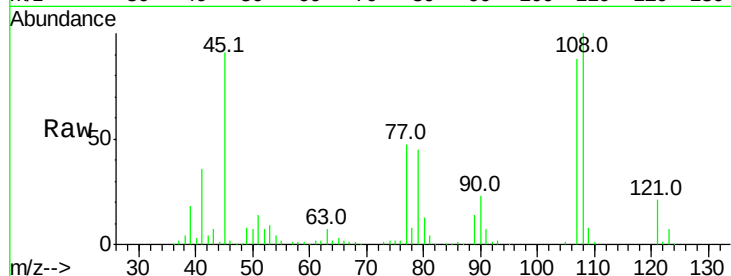
Ion Ratio Lower Upper

107 100

108 113.8 91.7 137.5

77 53.1 33.8 50.8#

79 51.2 33.8 50.8#

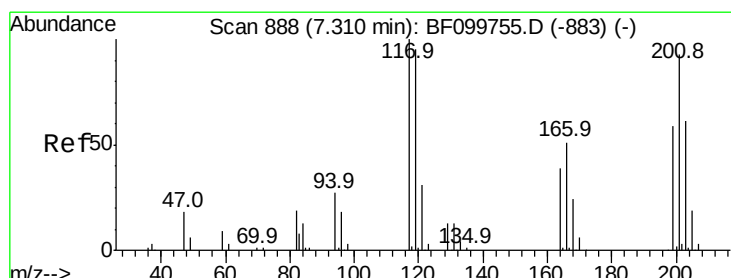
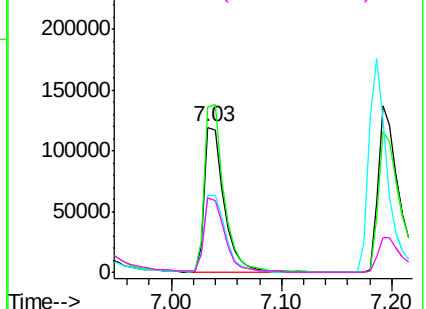


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 32.436 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

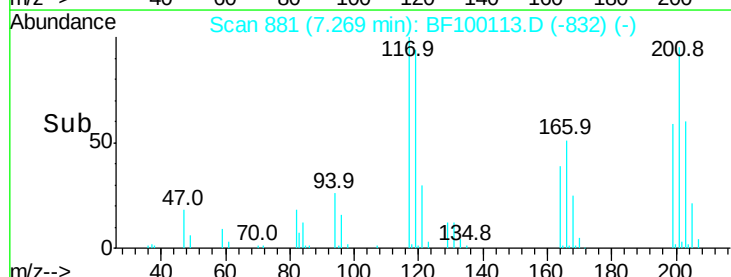
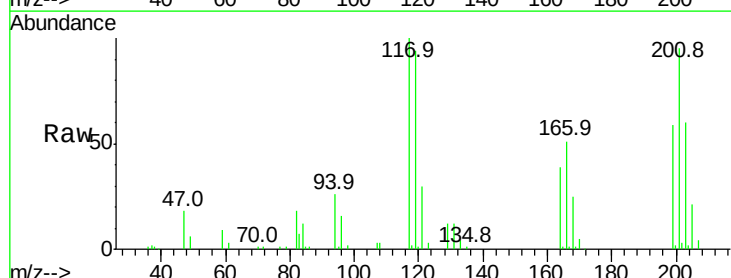
Tgt Ion:117 Resp: 59789

Ion Ratio Lower Upper

117 100

119 94.3 75.8 113.8

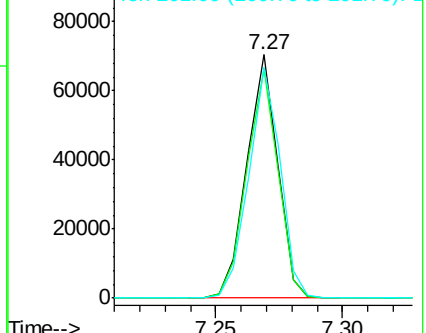
201 94.8 75.7 113.5

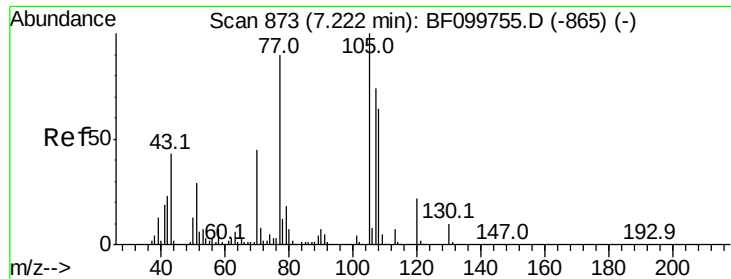


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

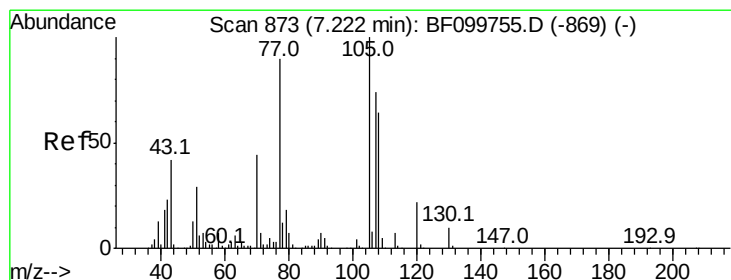
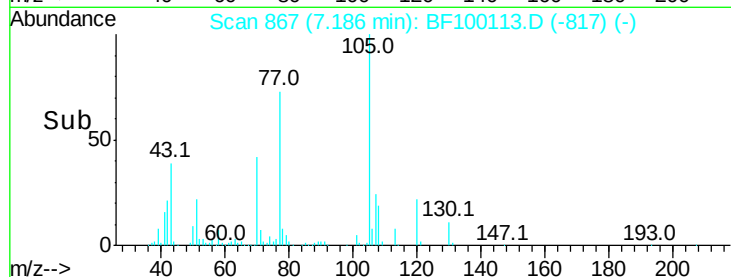
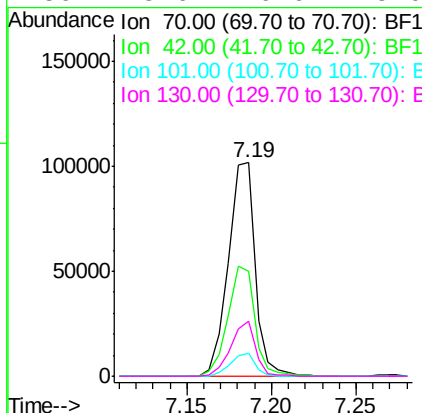
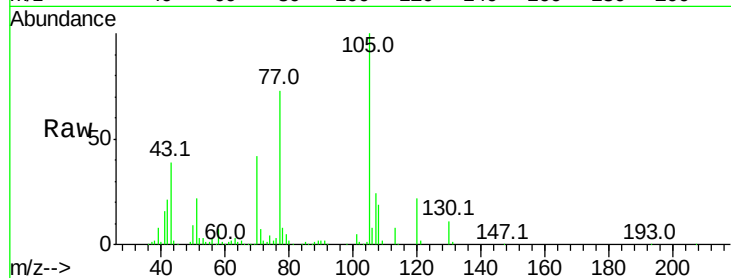




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.552 ng  
RT: 7.19 min Scan# 867  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

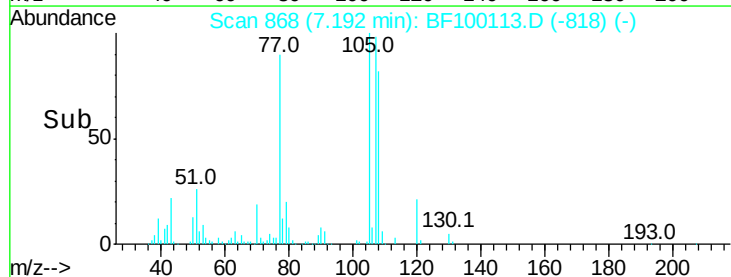
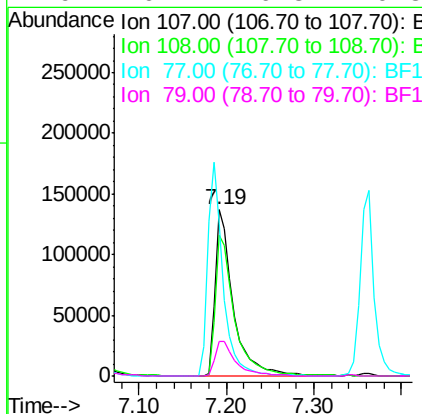
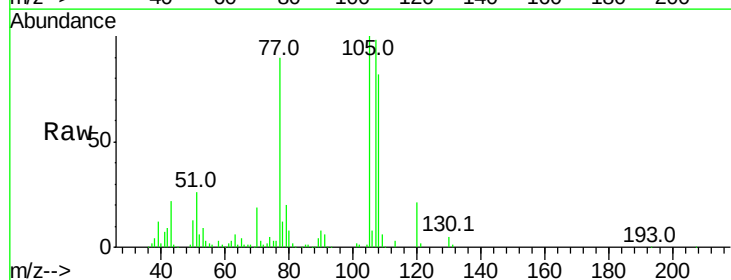
Instrument :  
BNA\_F  
ClientSampleId :

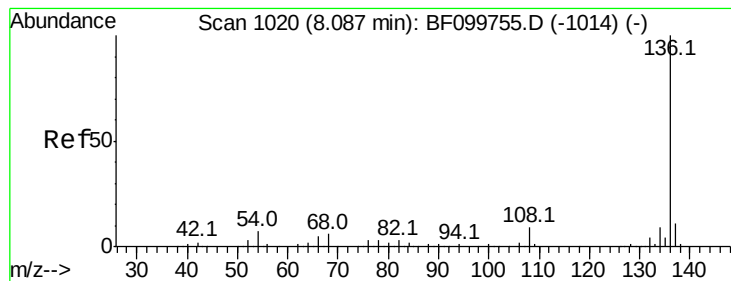
Tot Ion: 70 Resp: 112380  
Ion Ratio Lower Upper  
70 100  
42 48.9 47.5 71.3  
101 10.8 7.4 11.2  
130 25.6 16.6 25.0#



#20  
3+4-Methylphenols  
Concen: 41.599 ng  
RT: 7.19 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion: 107 Resp: 196439  
Ion Ratio Lower Upper  
107 100  
108 84.6 68.2 108.2  
77 92.1 26.7 66.7#  
79 20.7 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 300904

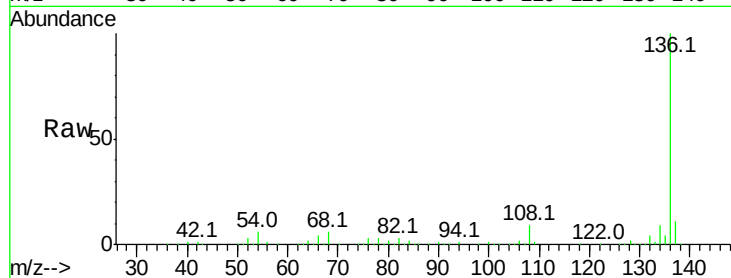
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.2 6.6 9.8#

68 5.6 5.0 7.4

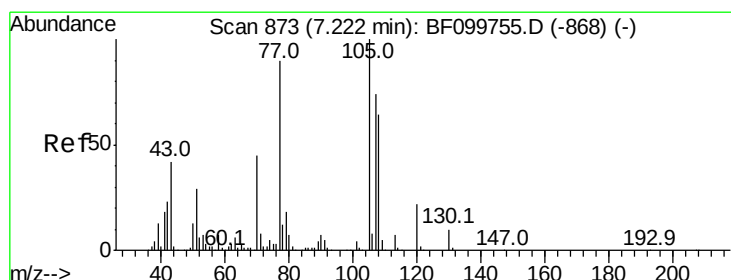
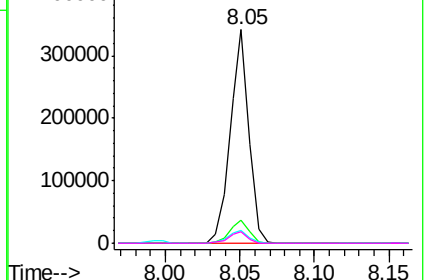
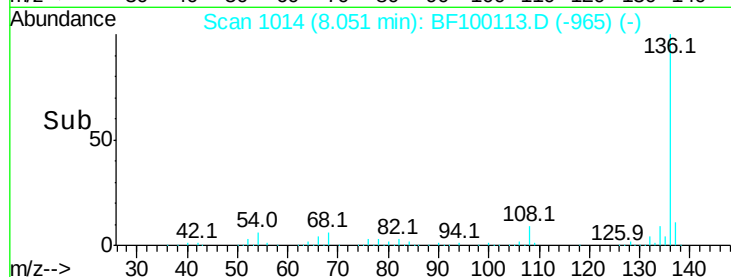


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.104 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Tgt Ion:105 Resp: 240508

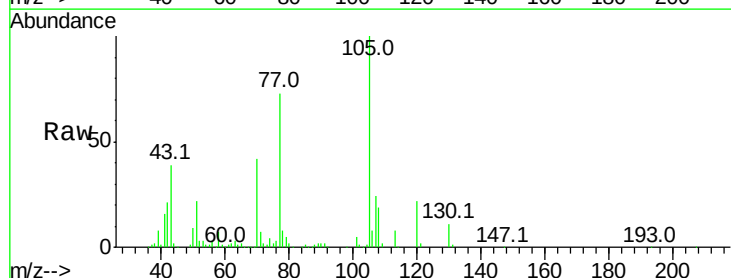
Ion Ratio Lower Upper

105 100

71 6.8 4.4 6.6#

51 21.6 22.3 33.5#

120 22.1 16.9 25.3

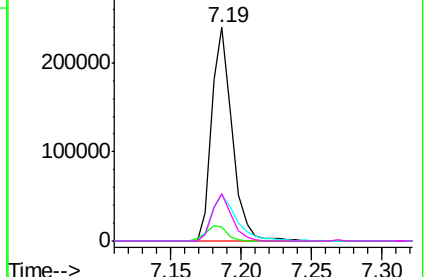
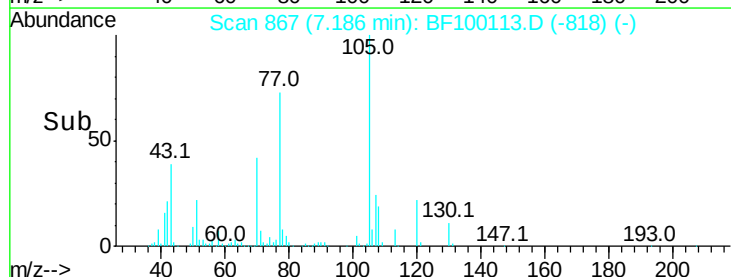


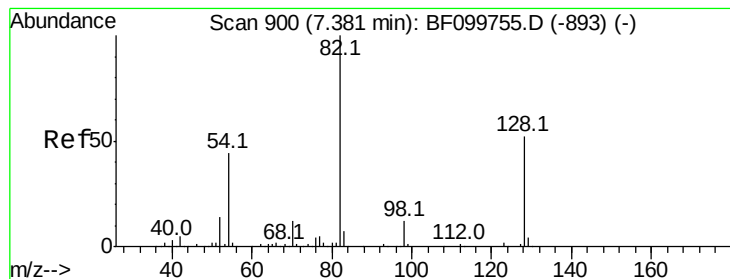
Abundance Ion 105.00 (104.70 to 105.70): E

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: 68.161 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

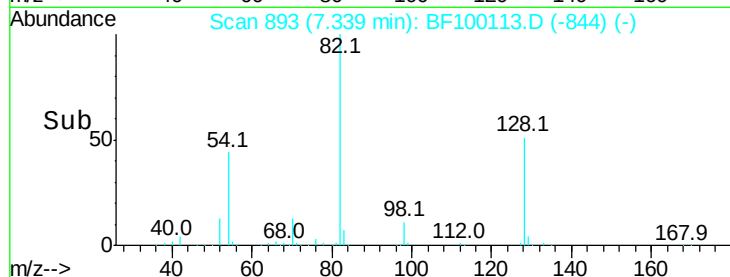
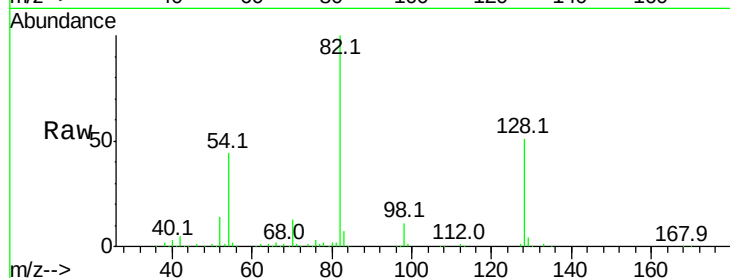
Tot Ion: 82 Resp: 318575

Ion Ratio Lower Upper

82 100

128 51.4 36.1 54.1

54 44.1 41.4 62.2

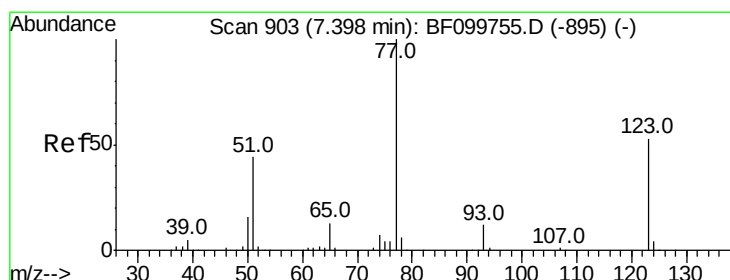
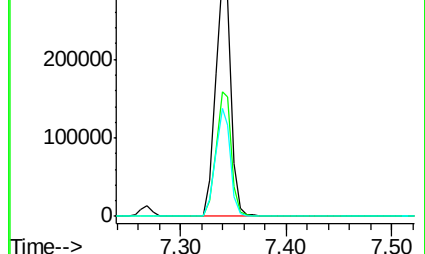


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Time-->



#24

Nitrobenzene

Concen: 35.867 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

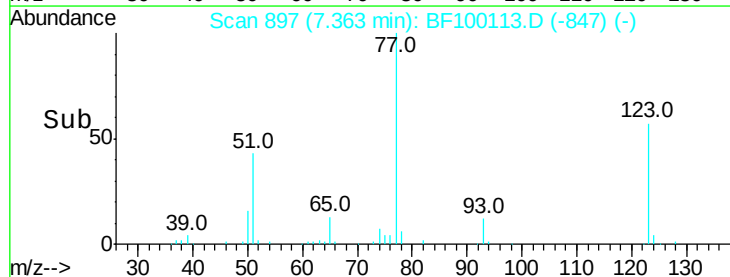
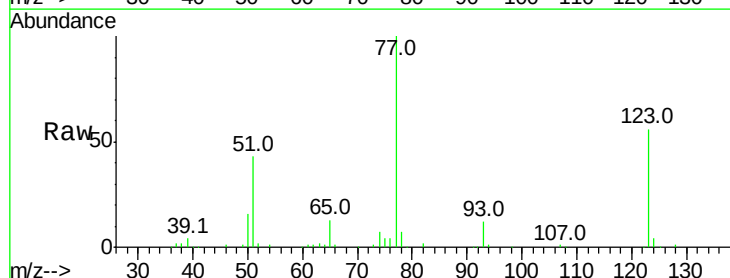
Tgt Ion: 77 Resp: 168910

Ion Ratio Lower Upper

77 100

123 56.3 37.9 56.9

65 12.6 11.0 16.4

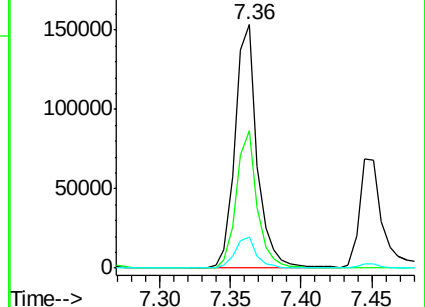


Abundance Ion 77.00 (76.70 to 77.70): BF1

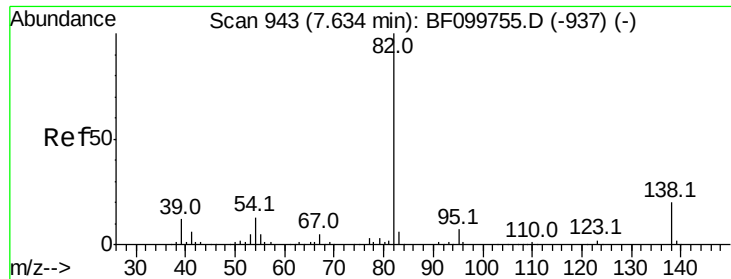
Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Time-->







#25

Isophorone

Concen: 36.783 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

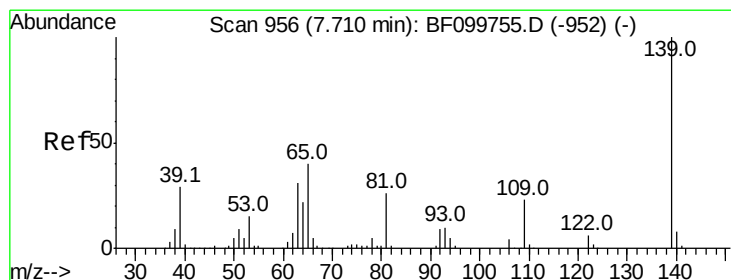
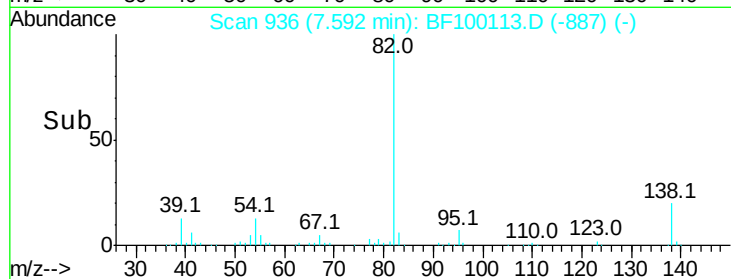
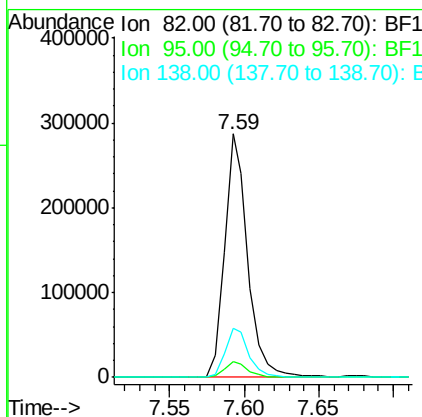
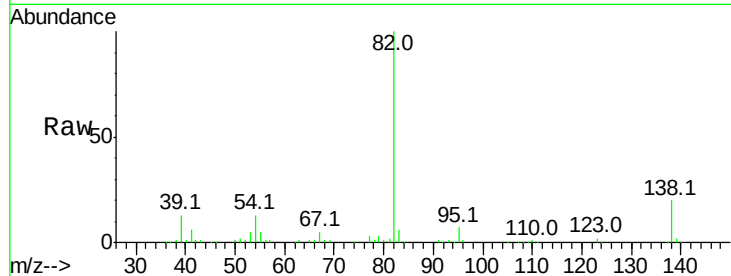
Tot Ion: 82 Resp: 311955

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 20.4 14.9 22.3



#26

2-Nitrophenol

Concen: 35.630 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

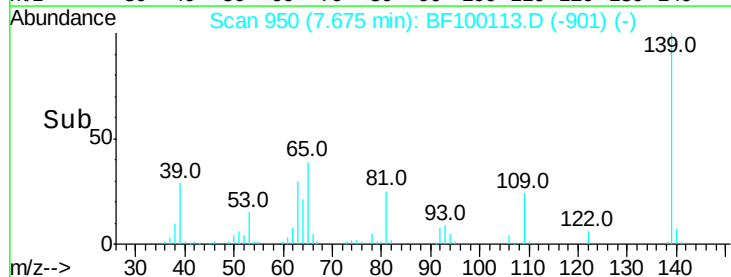
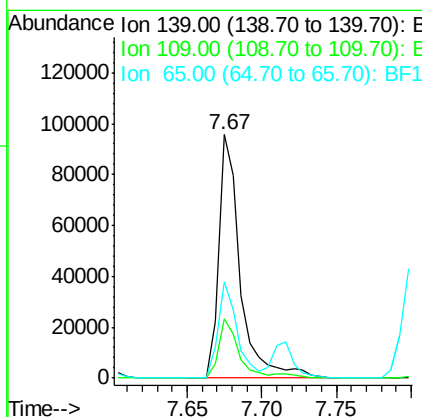
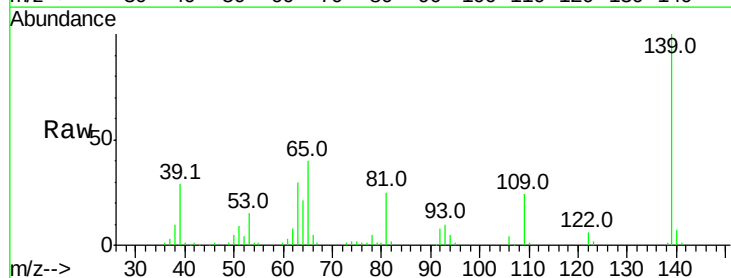
Tgt Ion: 139 Resp: 96105

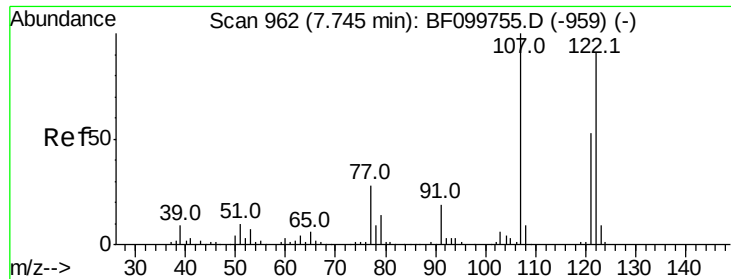
Ion Ratio Lower Upper

139 100

109 24.1 22.7 34.1

65 39.5 40.5 60.7#

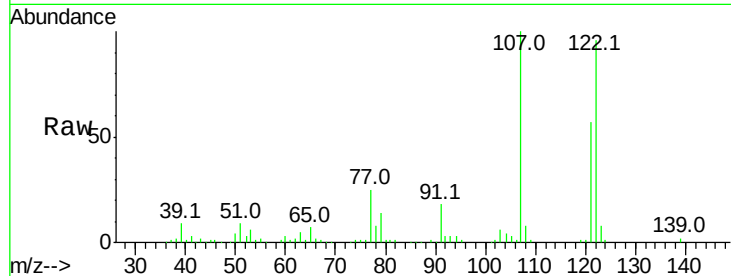




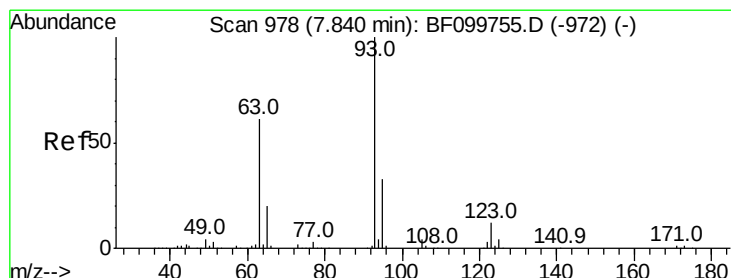
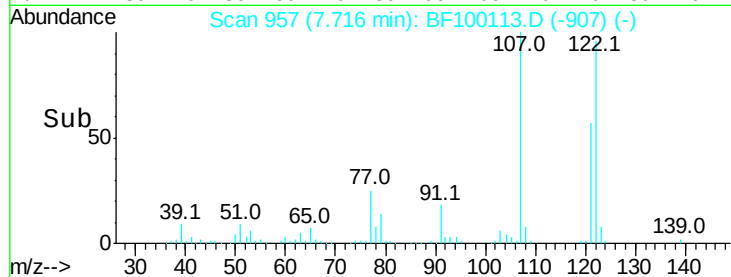
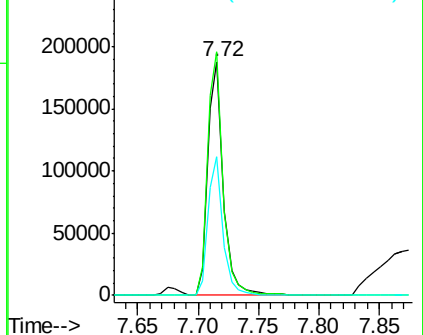
#27  
2,4-Dimethylphenol  
Concen: 41.796 ng  
RT: 7.72 min Scan# 957  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:122 Resp: 166105  
Ion Ratio Lower Upper  
122 100  
107 104.3 91.2 136.8  
121 59.5 47.2 70.8

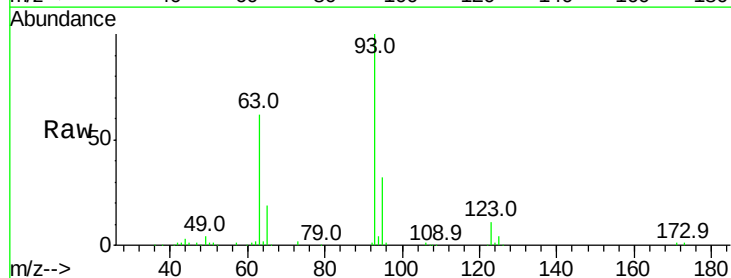


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

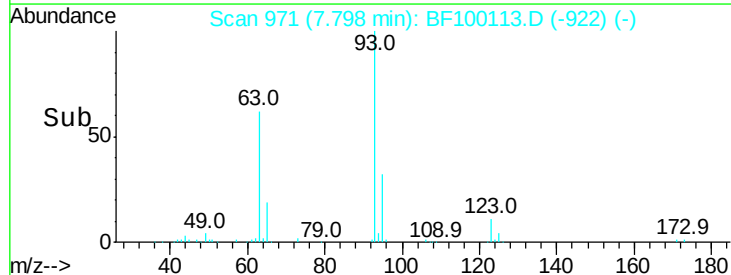
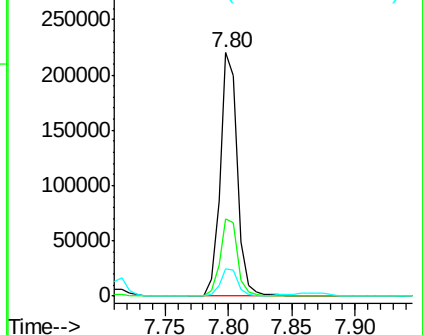


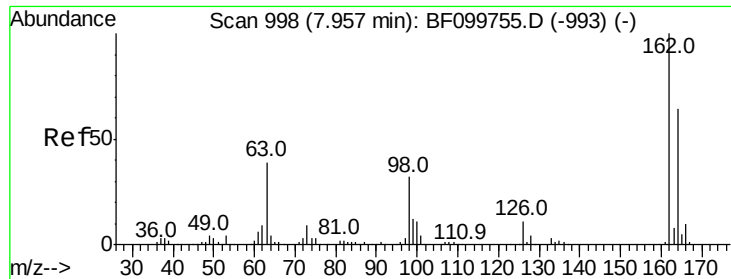
#28  
bis(2-Chloroethoxy)methane  
Concen: 35.225 ng  
RT: 7.80 min Scan# 971  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion: 93 Resp: 209226  
Ion Ratio Lower Upper  
93 100  
95 31.6 26.3 39.5  
123 11.1 9.8 14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 123.00 (122.70 to 123.70): E

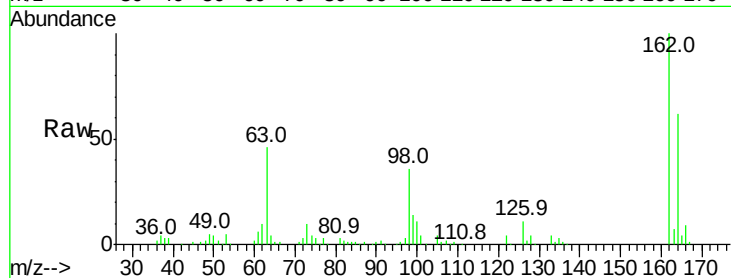




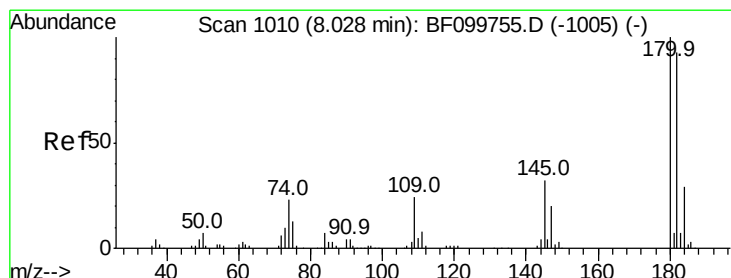
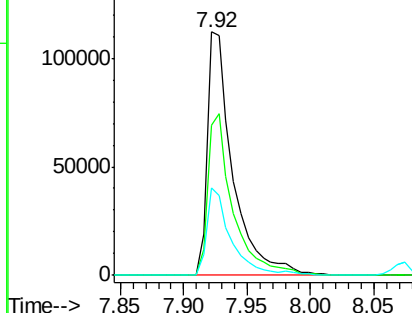
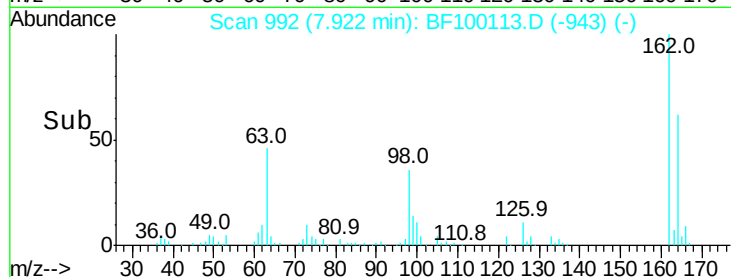
#29  
 2,4-Dichlorophenol  
 Concen: 38.285 ng  
 RT: 7.92 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.8  | 42.7  | 82.7  |
| 98      | 36.1  | 18.1  | 58.1  |

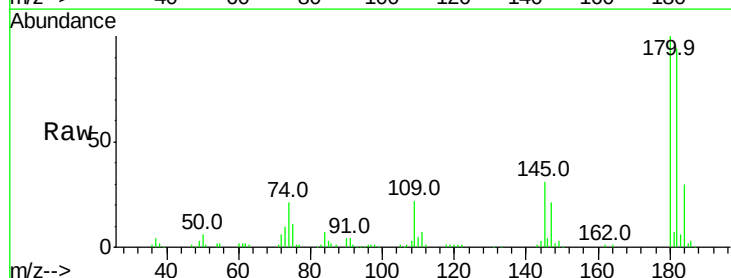


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

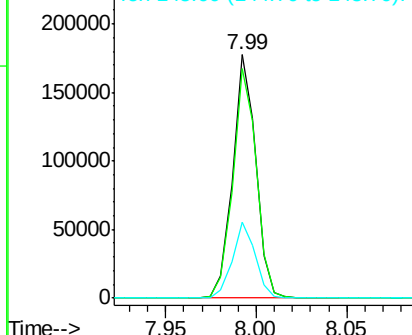
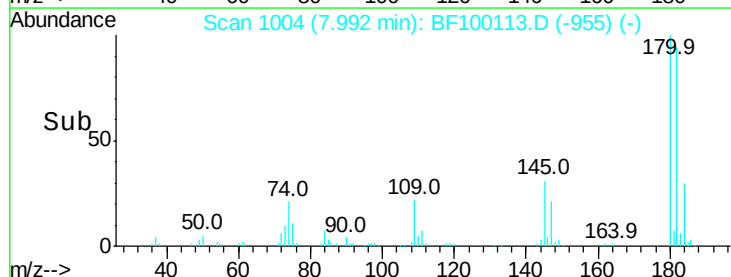


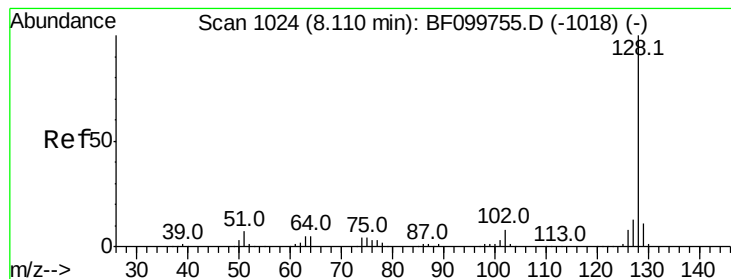
#30  
 1,2,4-Trichlorobenzene  
 Concen: 35.683 ng  
 RT: 7.99 min Scan# 1004  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 76.8  | 115.2 |
| 145     | 31.2  | 26.5  | 39.7  |



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: 36.029 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

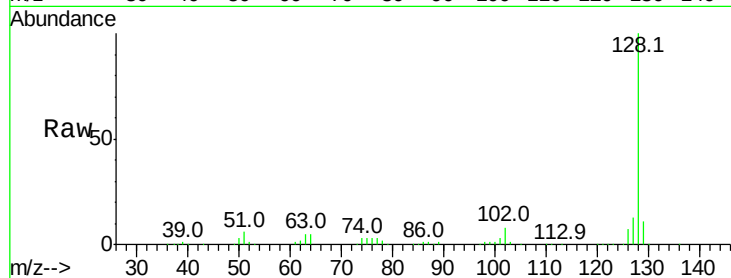
Tot Ion:128 Resp: 523318

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

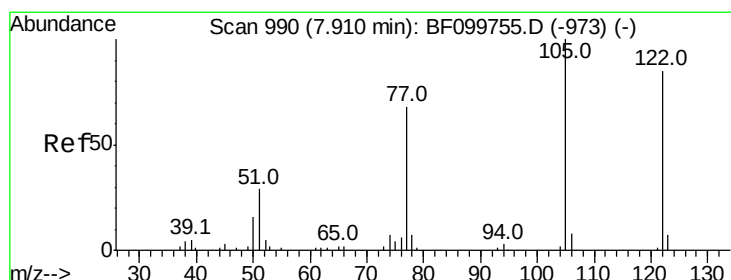
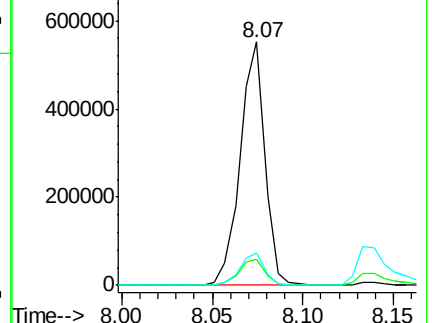
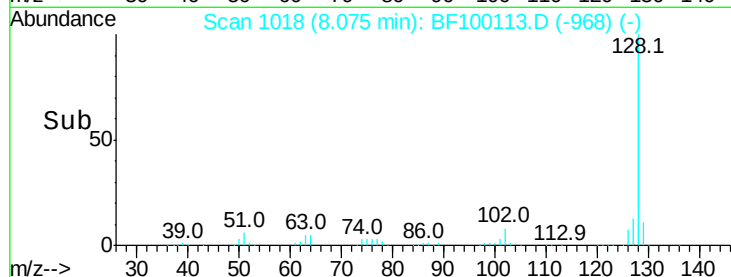
127 13.1 10.9 16.3



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: 26.839 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

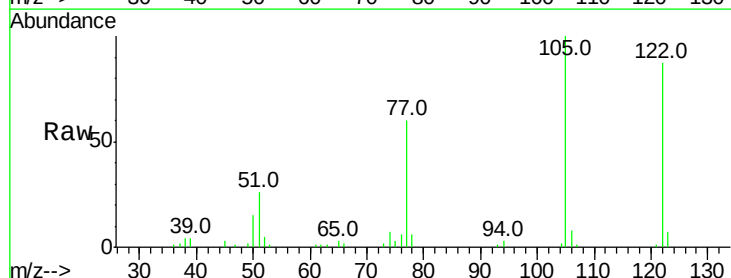
Tgt Ion:122 Resp: 93887

Ion Ratio Lower Upper

122 100

105 114.5 101.1 141.1

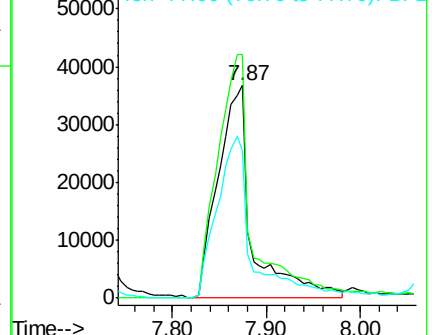
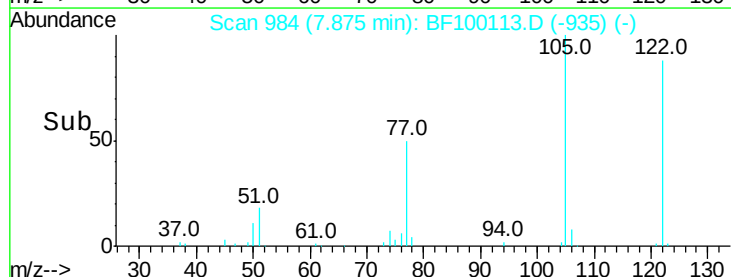
77 69.1 70.7 110.7#

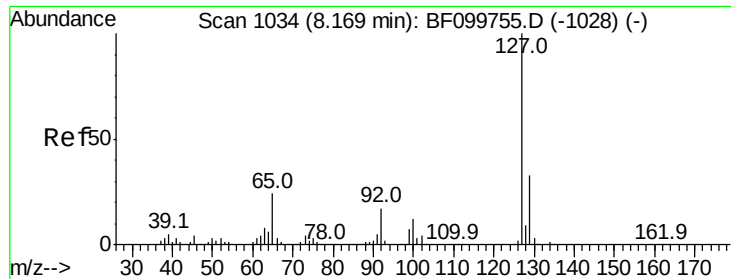


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

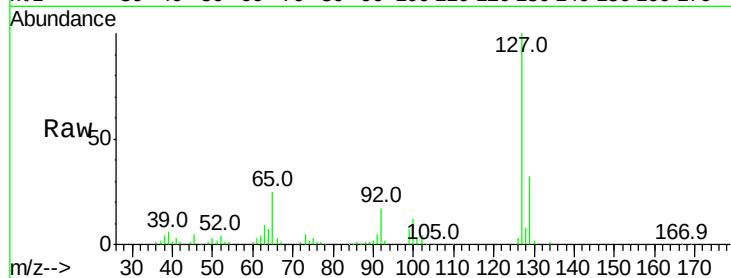




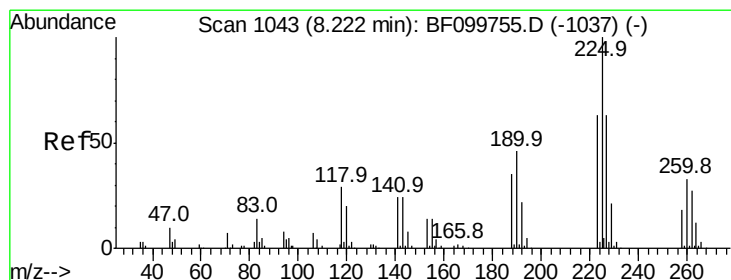
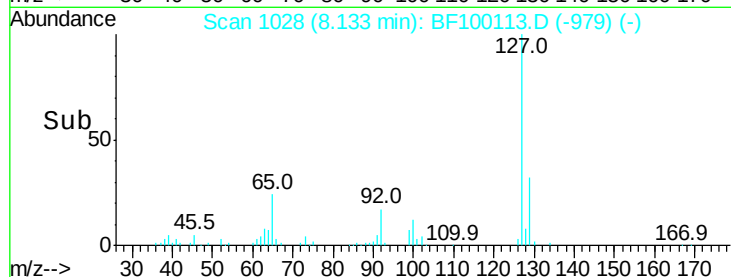
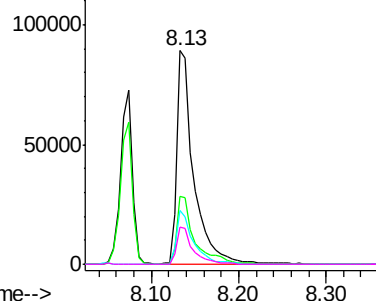
#33  
4-Chloroaniline  
Concen: 20.067 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 120357 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.8  | 25.9  | 38.9   |
| 65       | 25.2  | 25.0  | 37.4   |
| 92       | 17.2  | 15.2  | 22.8   |

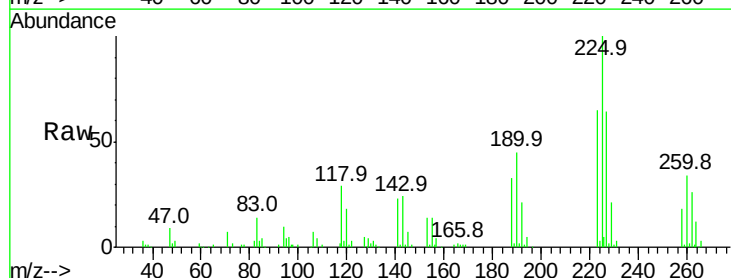


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

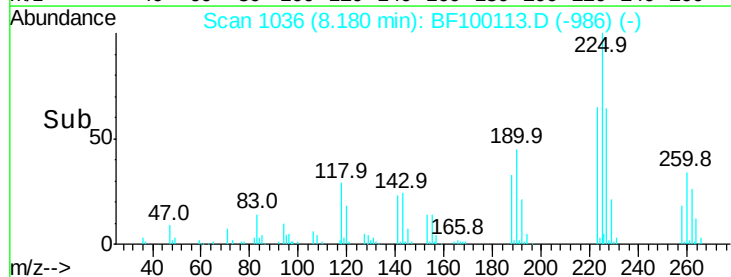
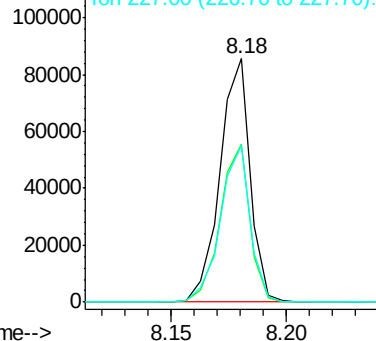


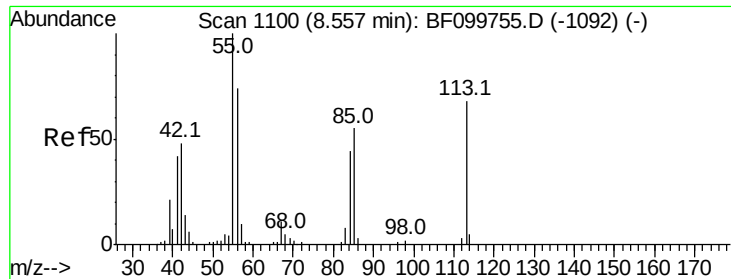
#34  
Hexachlorobutadiene  
Concen: 34.498 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 78273 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 64.9  | 50.6  | 76.0  |
| 227      | 64.5  | 51.9  | 77.9  |



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

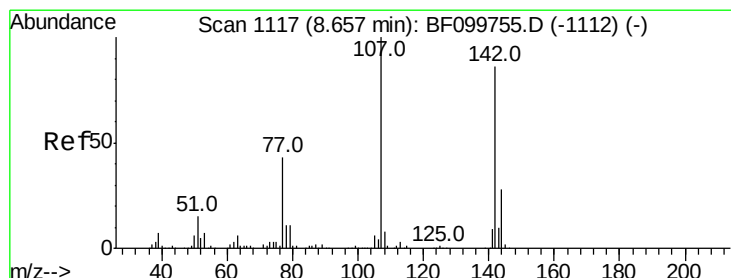
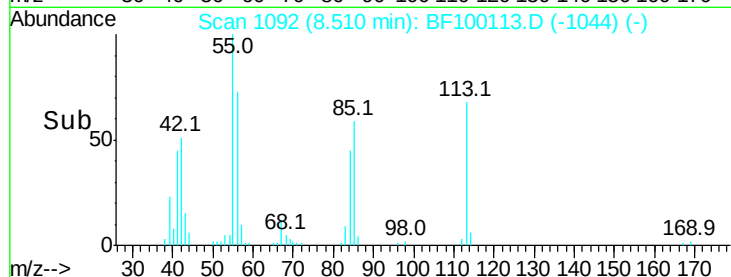
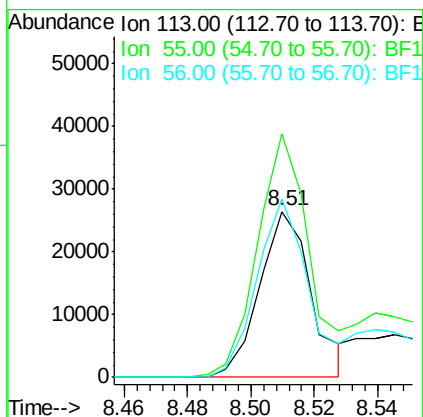
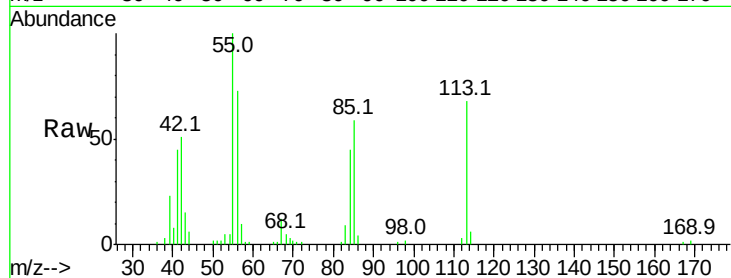




#35  
 Caprolactam  
 Concen: 22.965 ng  
 RT: 8.51 min Scan# 1092  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

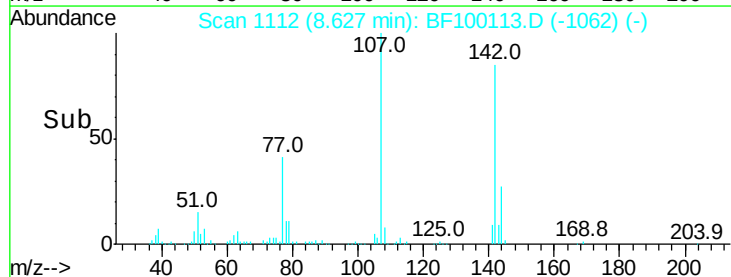
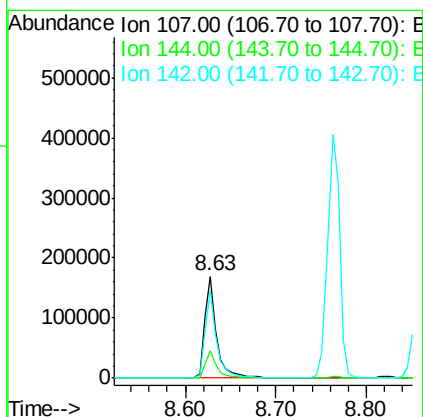
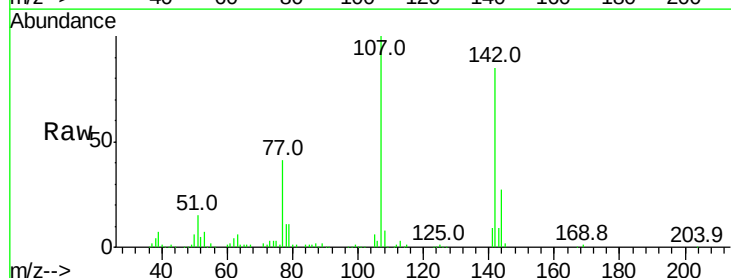
Instrument :  
 BNA\_F  
 ClientSampleId :

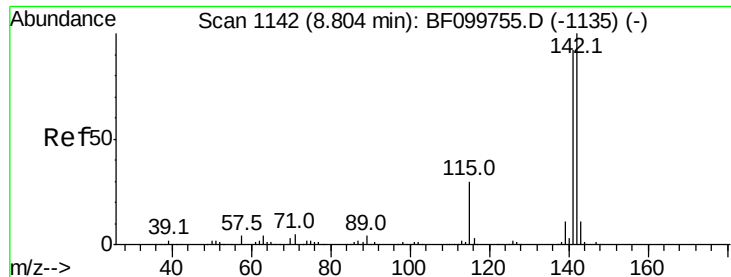
Tot Ion:113 Resp: 29815  
 Ion Ratio Lower Upper  
 113 100  
 55 147.0 163.3 203.3#  
 56 107.4 115.7 155.7#



#36  
 4-Chloro-3-methylphenol  
 Concen: 37.177 ng  
 RT: 8.63 min Scan# 1112  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:107 Resp: 156659  
 Ion Ratio Lower Upper  
 107 100  
 144 27.4 20.5 30.7  
 142 85.5 62.0 93.0

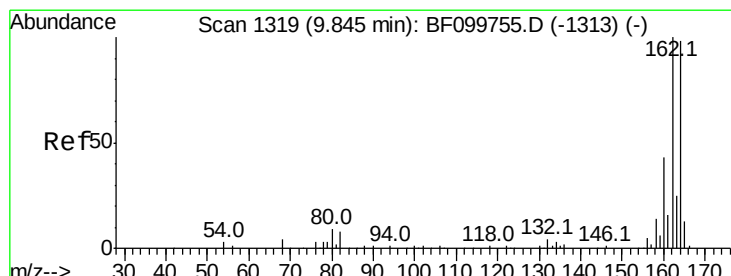
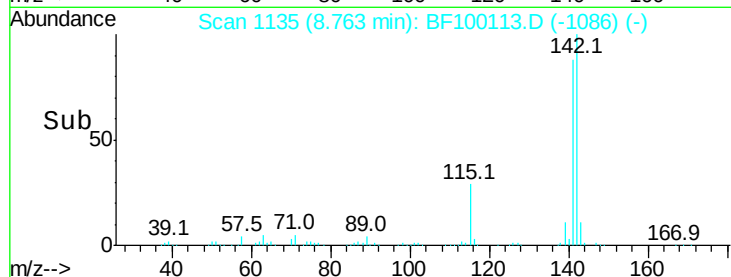
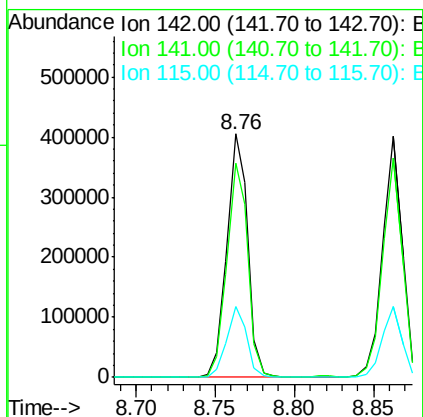
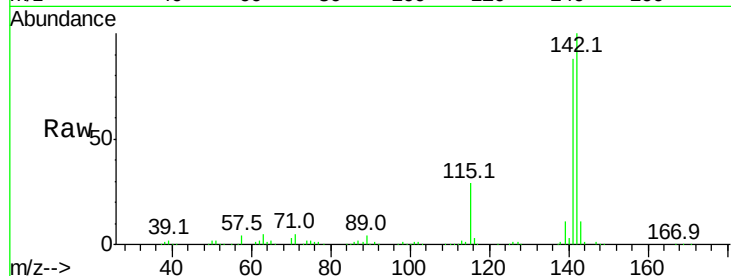




#37  
 2-Methylnaphthalene  
 Concen: 37.835 ng  
 RT: 8.76 min Scan# 1135  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

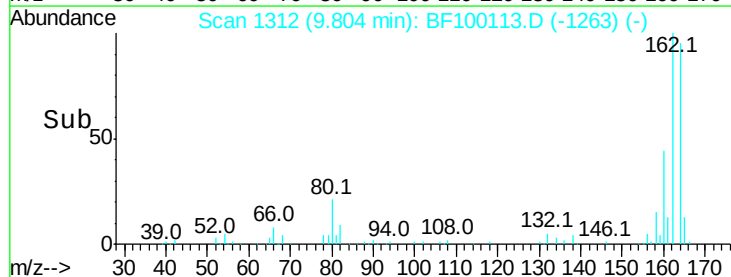
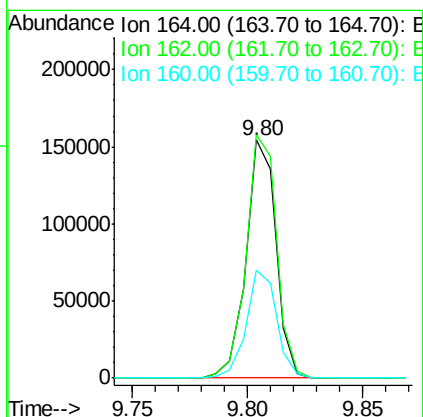
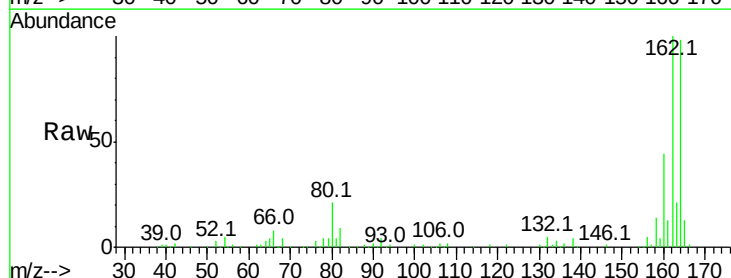
Instrument :  
 BNA\_F  
 ClientSampled :

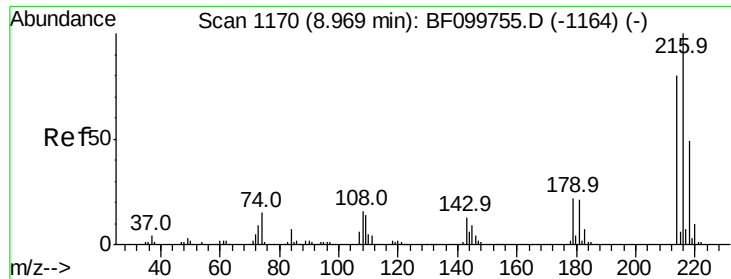
Tot Ion:142 Resp: 368280  
 Ion Ratio Lower Upper  
 142 100  
 141 88.0 70.8 106.2  
 115 29.1 26.1 39.1



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:164 Resp: 139968  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 86.1 129.1  
 160 45.2 38.3 57.5

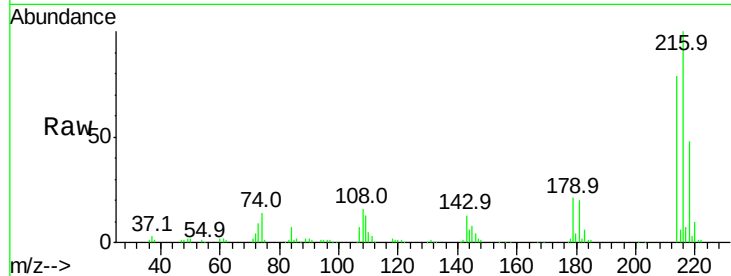




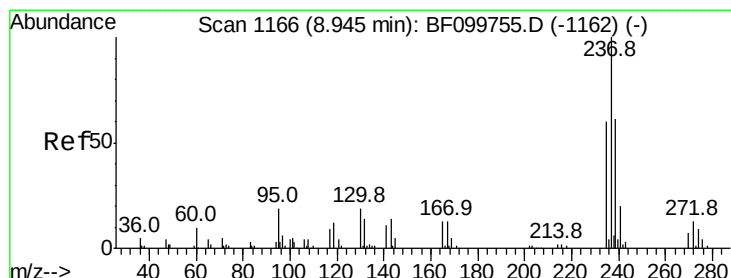
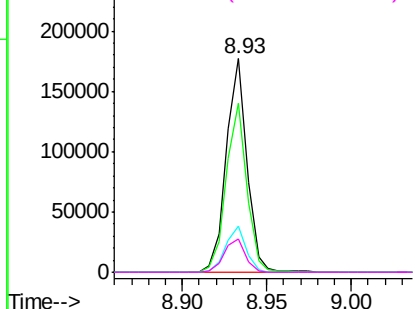
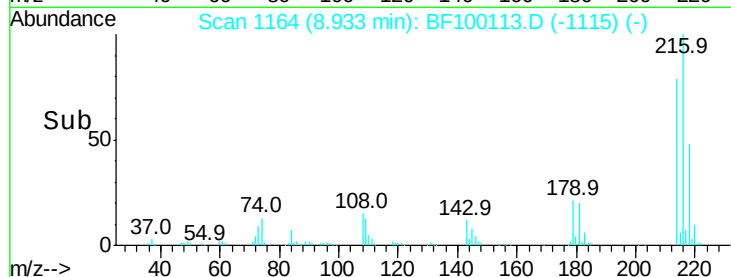
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 33.290 ng  
 RT: 8.93 min Scan# 1164  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:216 Resp: 150490  
 Ion Ratio Lower Upper  
 216 100  
 214 78.7 63.0 94.4  
 179 21.3 18.1 27.1  
 108 16.5 17.2 25.8#

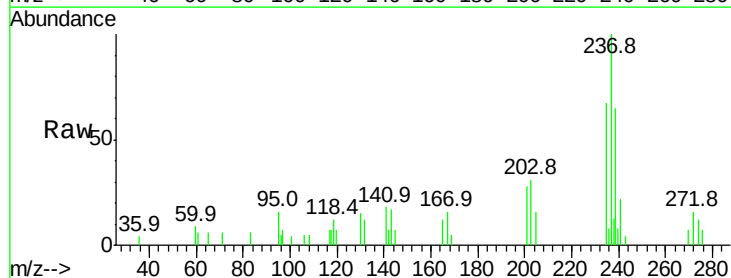


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

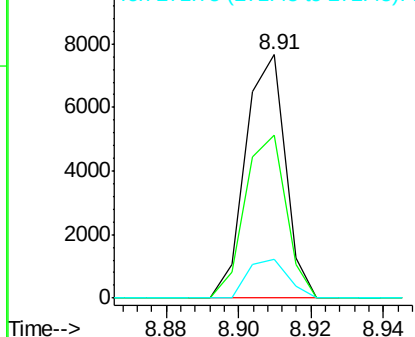
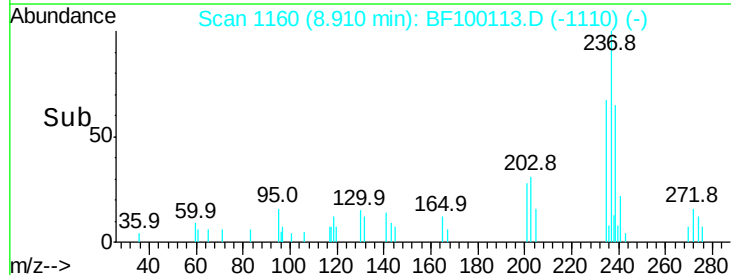


#40  
 Hexachlorocyclopentadiene  
 Concen: 17.421 ng  
 RT: 8.91 min Scan# 1160  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

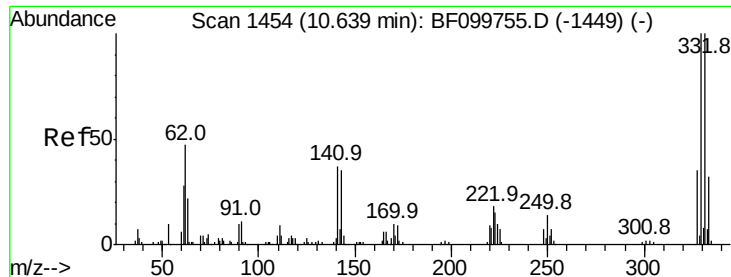
Tgt Ion:237 Resp: 5811  
 Ion Ratio Lower Upper  
 237 100  
 235 66.7 44.8 84.8  
 272 15.8 0.0 33.3



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







#41

2,4,6-Tribromophenol

Concen: 68.829 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

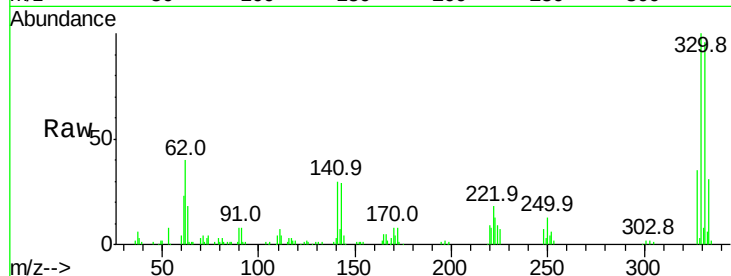
Tot Ion:330 Resp: 87795

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

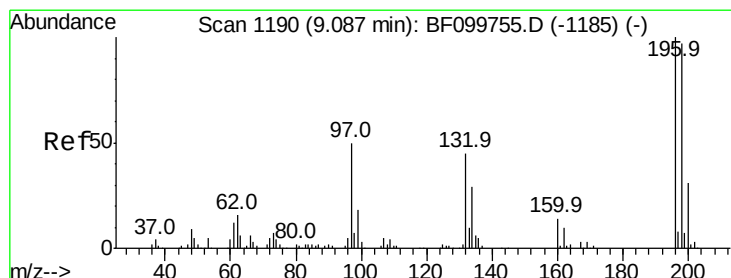
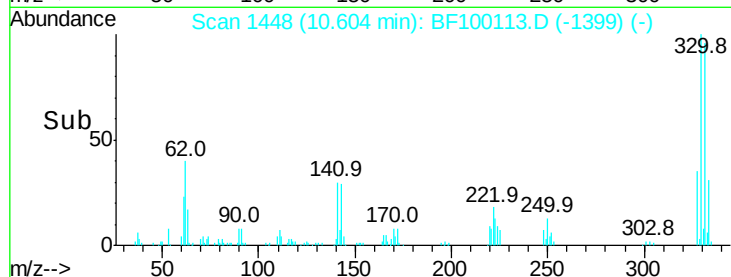
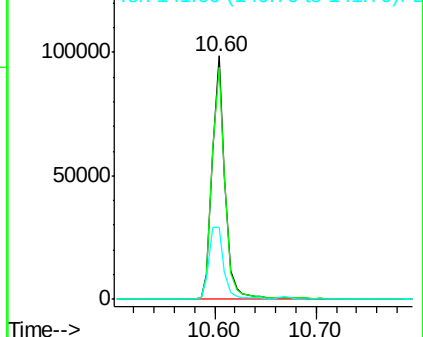
141 34.4 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 37.427 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

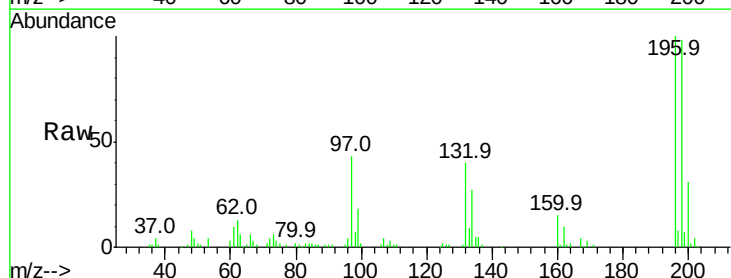
Tgt Ion:196 Resp: 102341

Ion Ratio Lower Upper

196 100

198 97.5 75.7 113.5

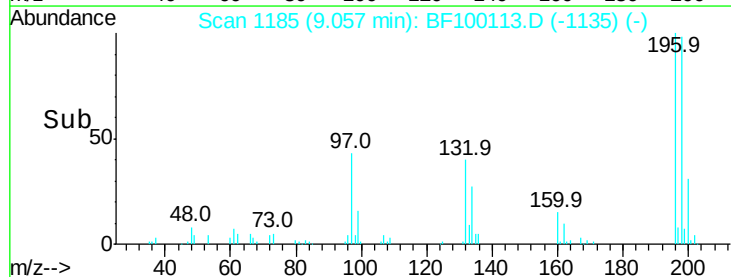
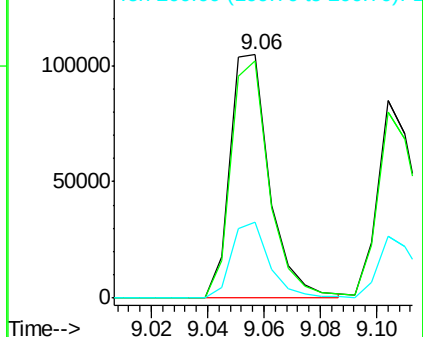
200 30.9 24.5 36.7

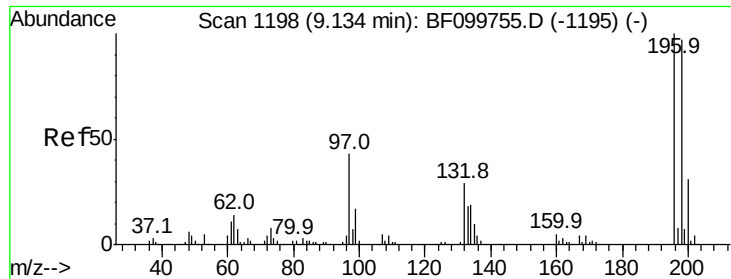


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

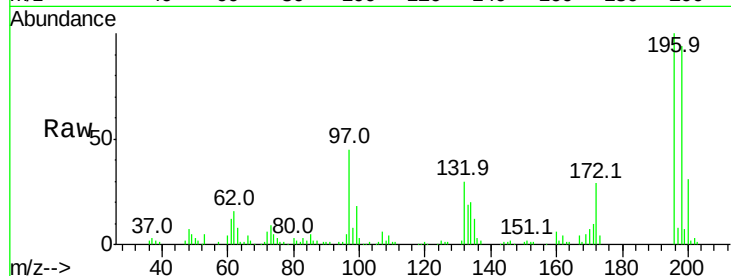




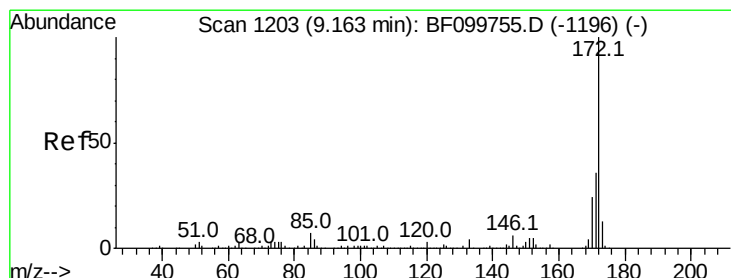
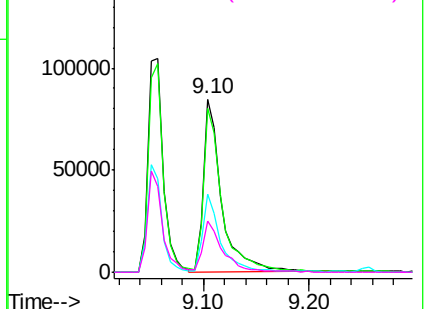
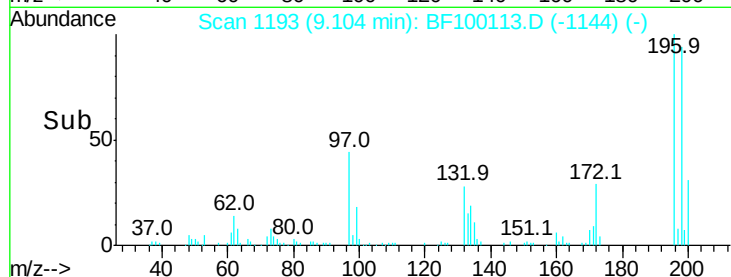
#43  
 2,4,5-Trichlorophenol  
 Concen: 34.864 ng  
 RT: 9.10 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 101166 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 94.3  | 74.6  | 112.0  |
| 97       | 45.4  | 42.9  | 64.3   |
| 132      | 29.8  | 26.3  | 39.5   |

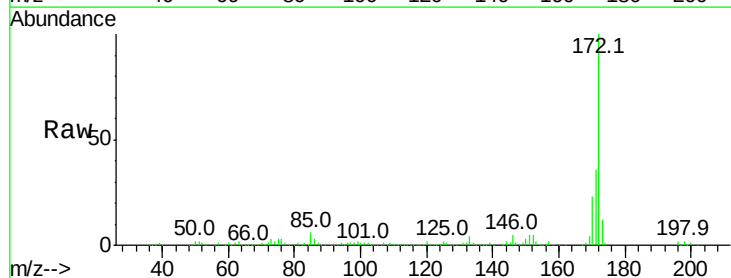


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

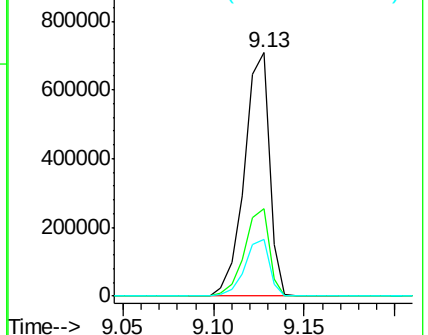
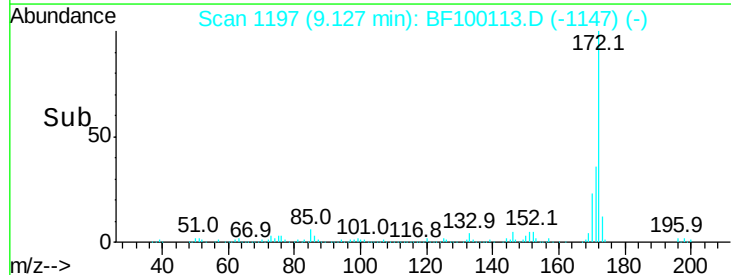


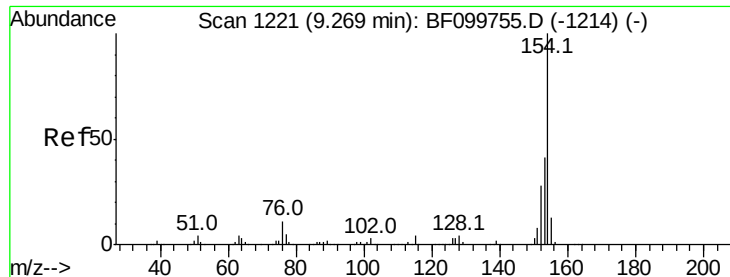
#44  
 2-Fluorobiphenyl  
 Concen: 74.931 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 679779 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 35.7  | 29.7  | 44.5   |
| 170      | 23.4  | 19.6  | 29.4   |



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

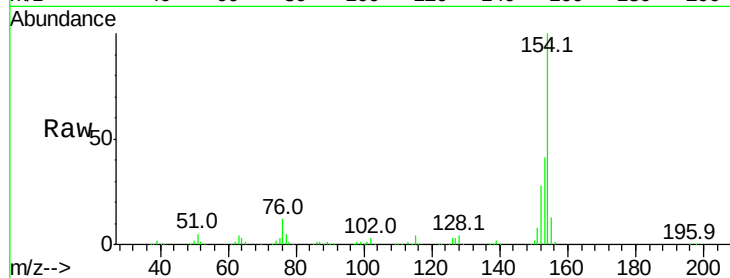




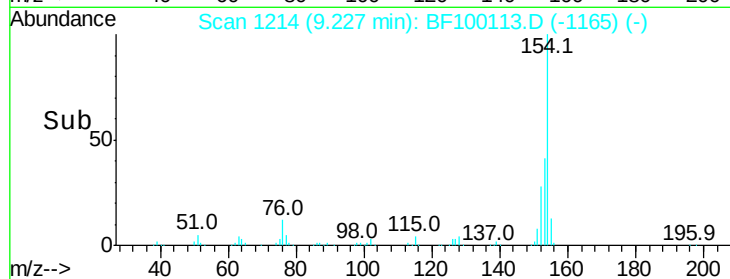
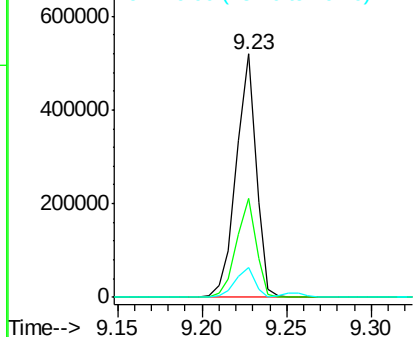
#45  
 1,1'-Biphenyl  
 Concen: 33.649 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.7  | 21.3  | 61.3  |
| 76      | 12.2  | 0.0   | 34.0  |

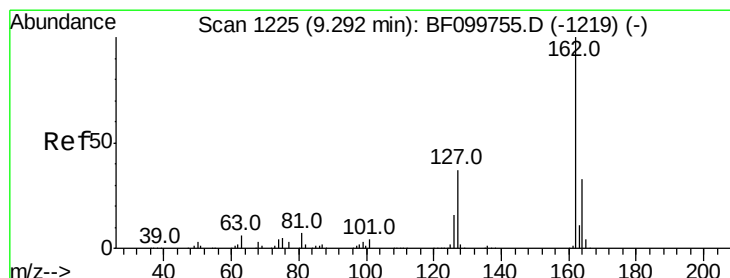


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

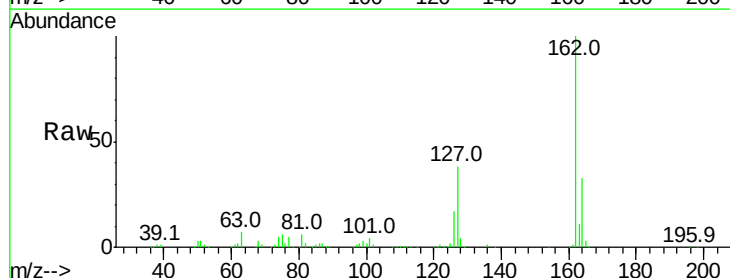
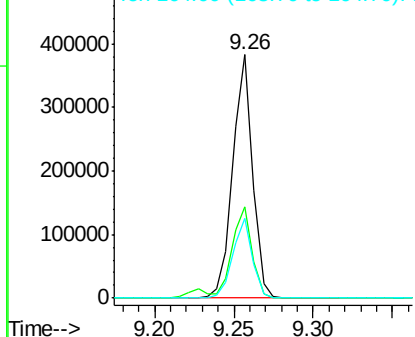


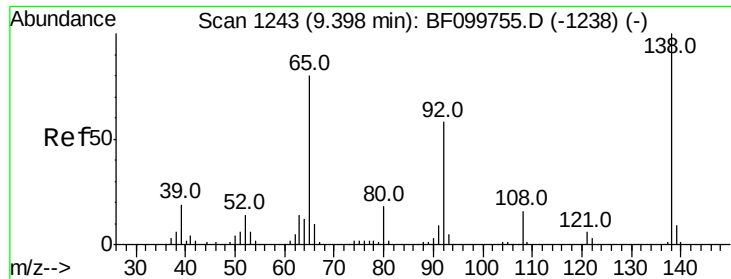
#46  
 2-Chloronaphthalene  
 Concen: 36.129 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.7  | 33.9  | 50.9  |
| 164     | 32.6  | 26.5  | 39.7  |



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

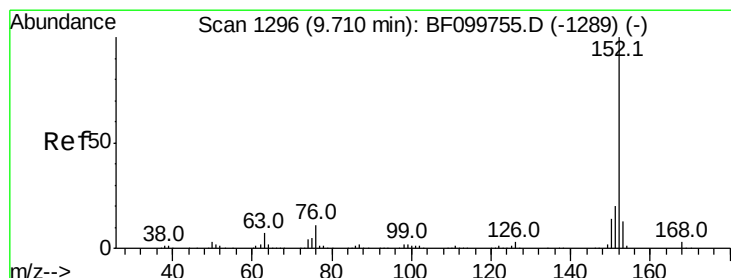
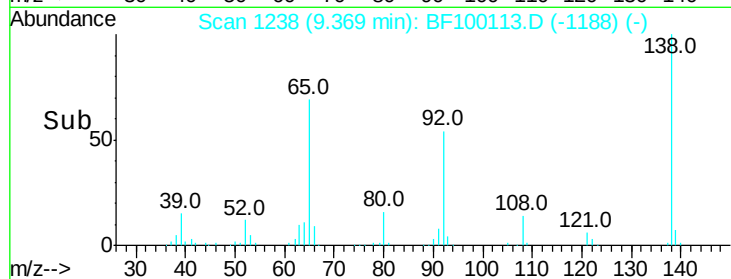
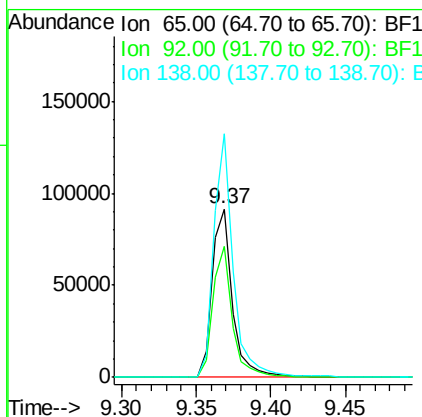
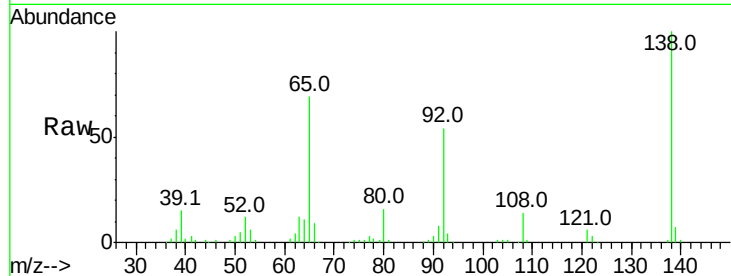




#47  
 2-Nitroaniline  
 Concen: 35.970 ng  
 RT: 9.37 min Scan# 1238  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

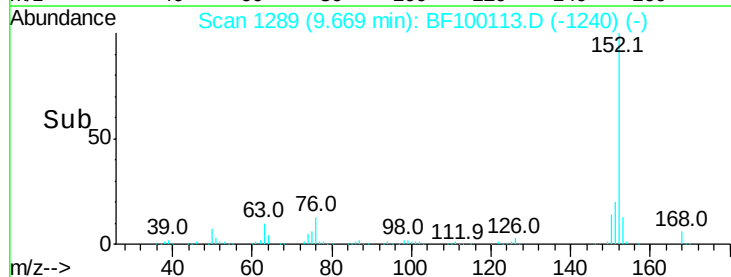
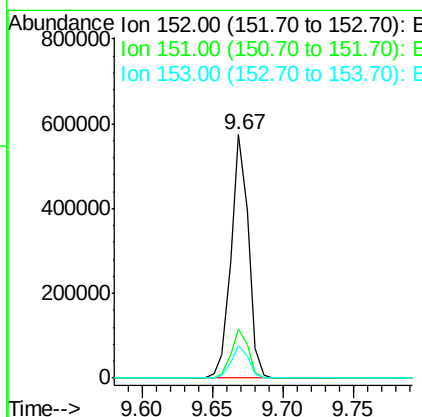
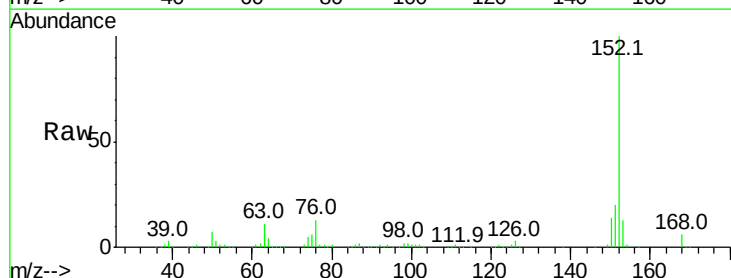
Instrument :  
 BNA\_F  
 ClientSampleId :

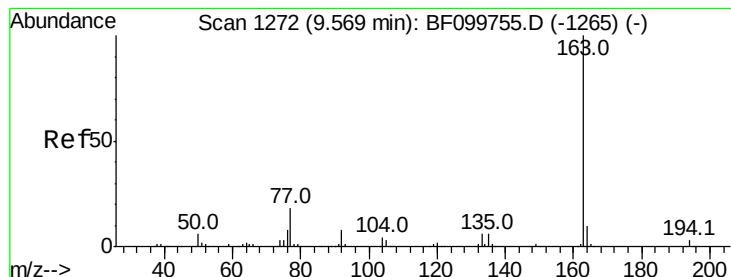
Tot Ion: 65 Resp: 86813  
 Ion Ratio Lower Upper  
 65 100  
 92 77.8 55.8 83.6  
 138 144.7 91.2 136.8#



#48  
 Acenaphthylene  
 Concen: 34.760 ng  
 RT: 9.67 min Scan# 1289  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion: 152 Resp: 492307  
 Ion Ratio Lower Upper  
 152 100  
 151 20.0 16.3 24.5  
 153 13.1 10.7 16.1





#49

Dimethylphthalate

Concen: 34.319 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

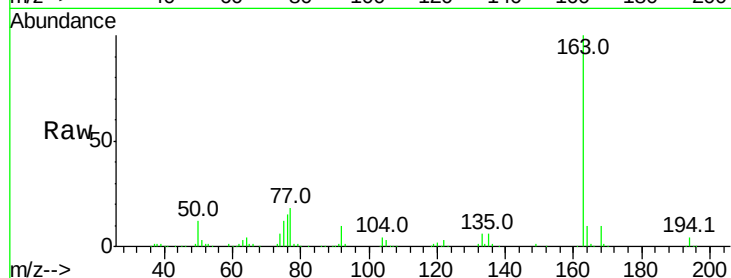
Tot Ion:163 Resp: 380400

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

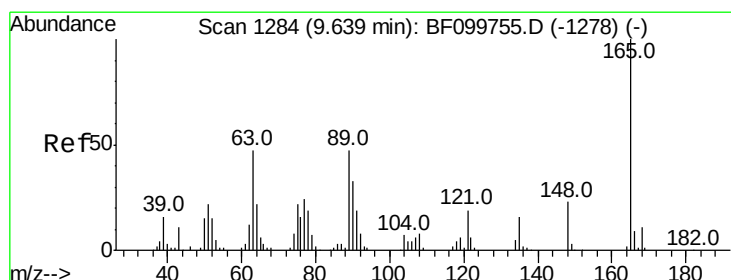
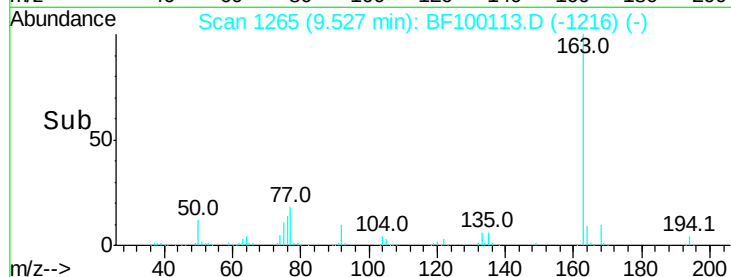
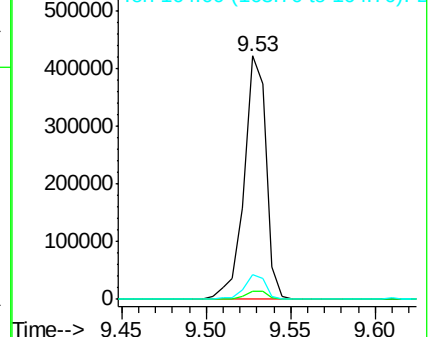
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 36.011 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

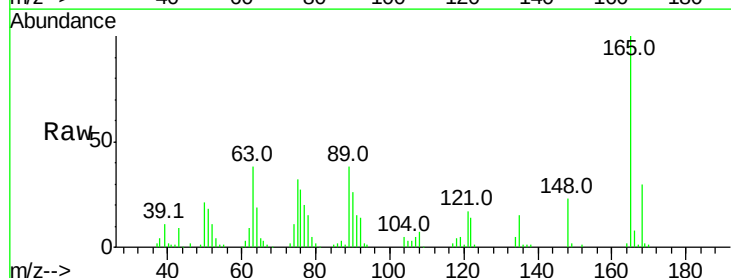
Tgt Ion:165 Resp: 83913

Ion Ratio Lower Upper

165 100

63 37.8 44.7 67.1#

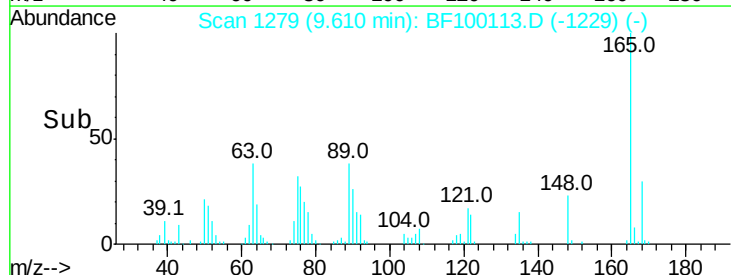
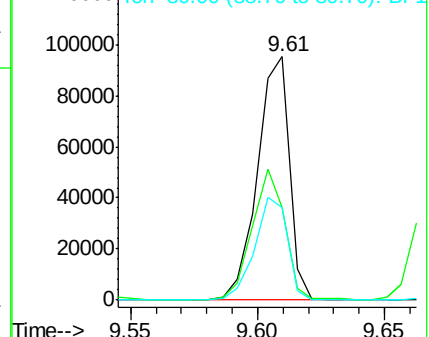
89 38.1 44.0 66.0#

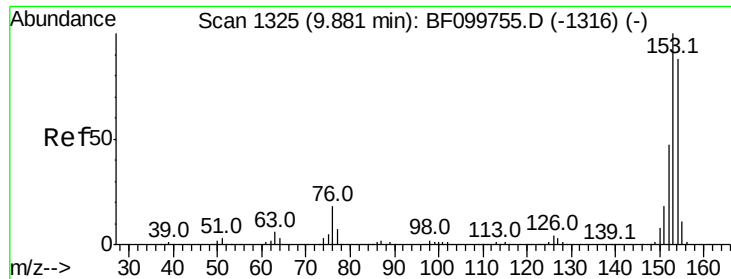


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 34.657 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

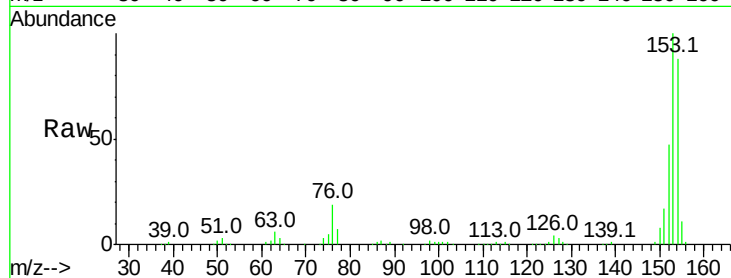
Tot Ion:154 Resp: 299923

Ion Ratio Lower Upper

154 100

153 113.2 91.2 136.8

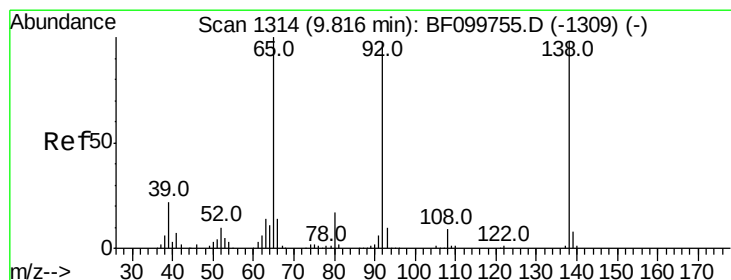
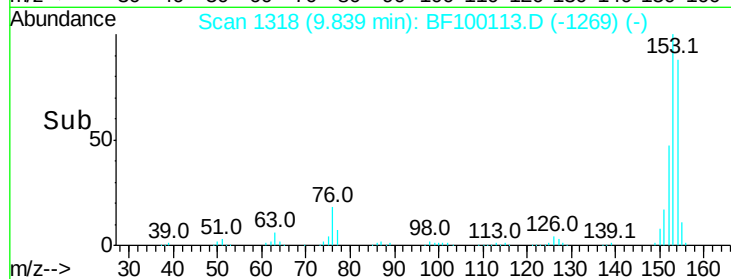
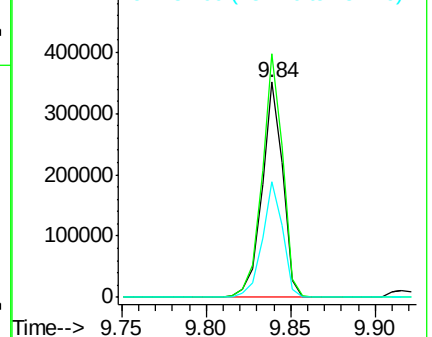
152 53.6 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.453 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

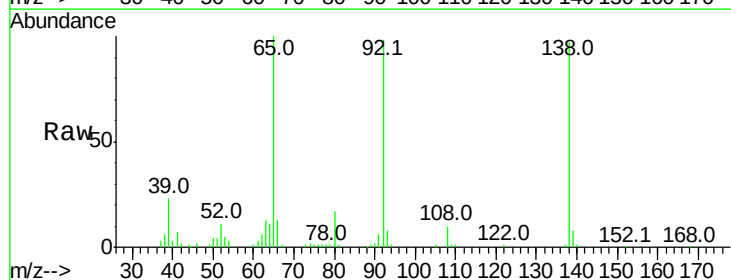
Tgt Ion:138 Resp: 72629

Ion Ratio Lower Upper

138 100

108 9.9 9.4 14.0

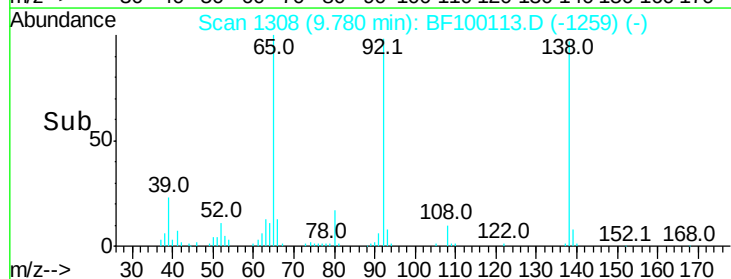
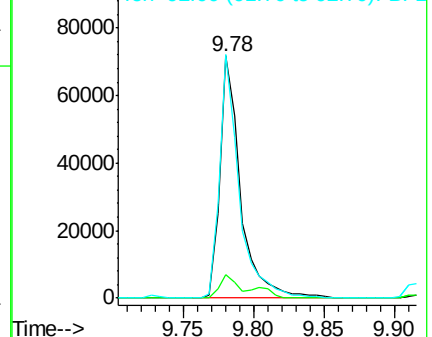
92 100.5 89.4 134.2

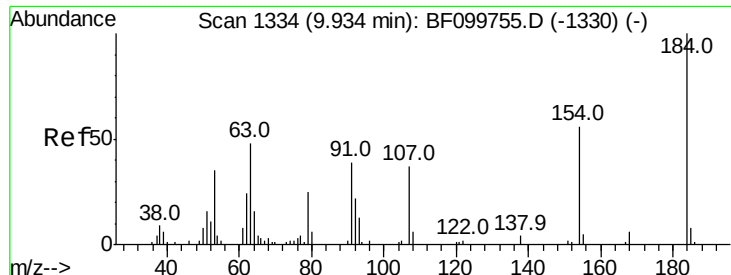


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

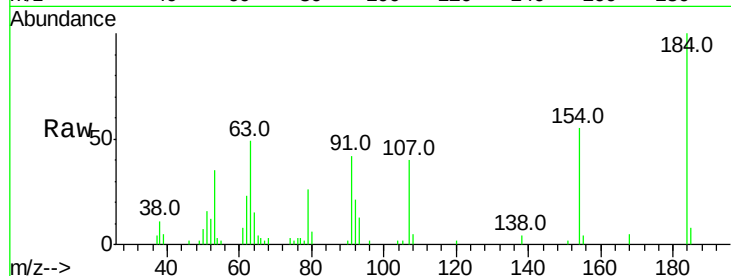




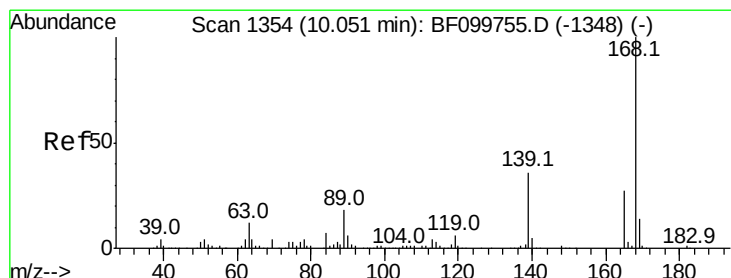
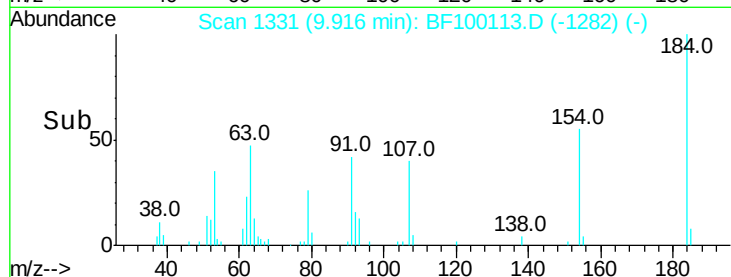
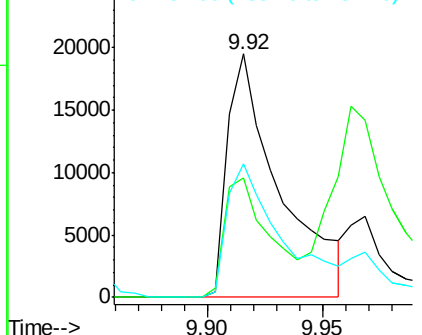
#53  
 2,4-Dinitrophenol  
 Concen: 36.814 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:184 Resp: 30786  
 Ion Ratio Lower Upper  
 184 100  
 63 49.1 54.2 81.2#  
 154 54.8 53.5 80.3

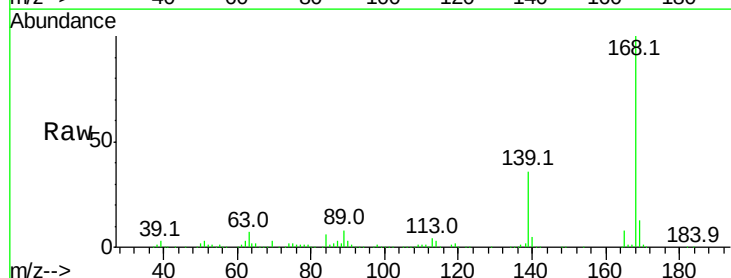


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 154.00 (153.70 to 154.70): E

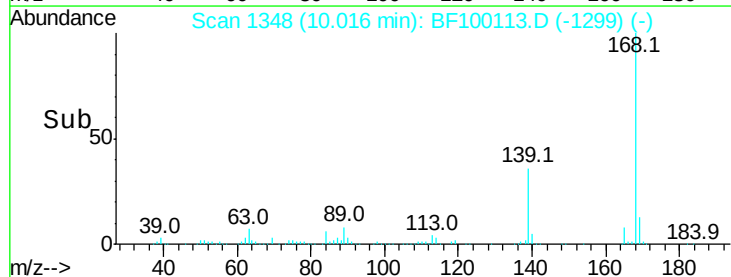
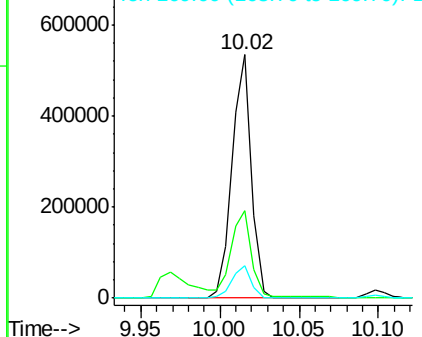


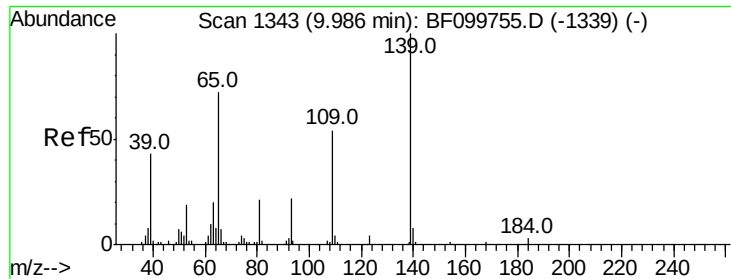
#54  
 Dibenzofuran  
 Concen: 36.860 ng  
 RT: 10.02 min Scan# 1348  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:168 Resp: 450275  
 Ion Ratio Lower Upper  
 168 100  
 139 36.0 30.1 45.1  
 169 13.3 10.9 16.3



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

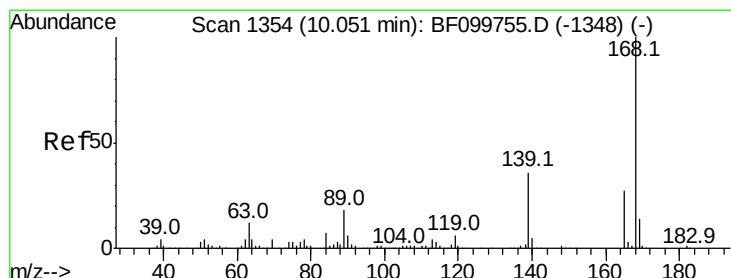
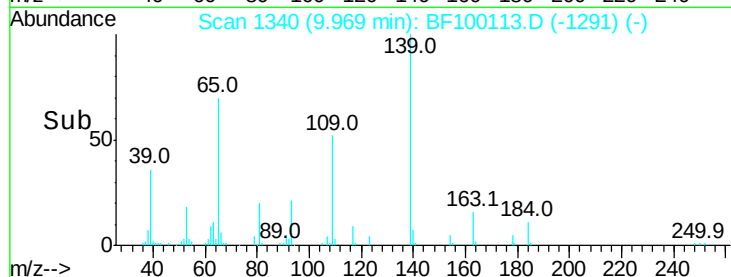
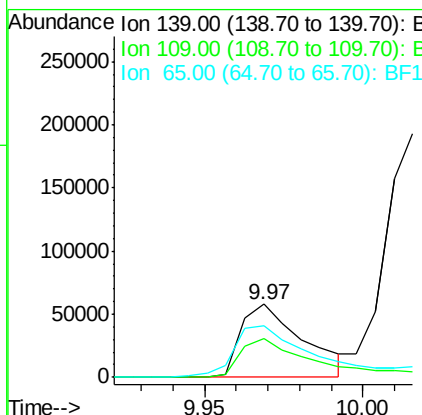
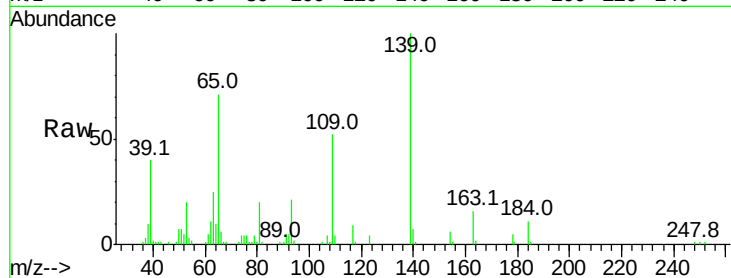




#55  
4-Nitrophenol  
Concen: 54.542 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

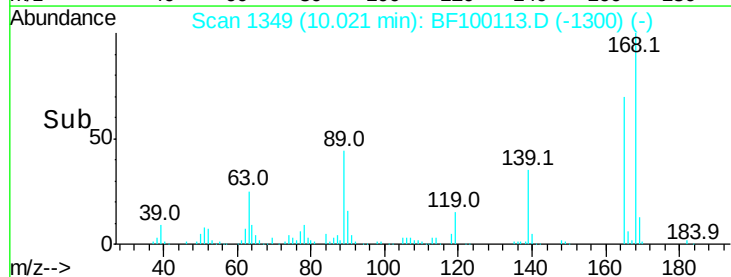
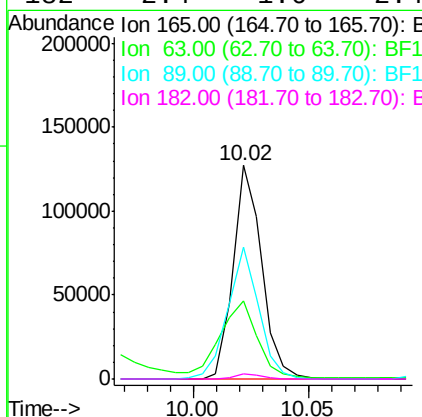
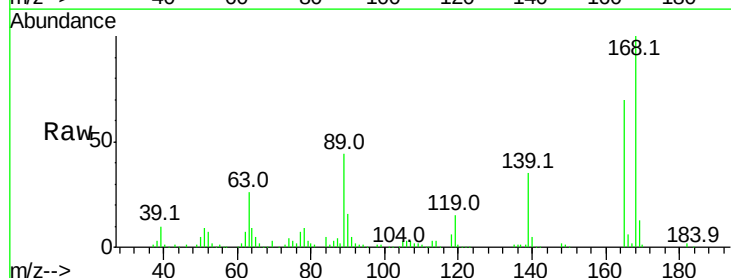
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 78245  
Ion Ratio Lower Upper  
139 100  
109 52.4 48.4 88.4  
65 70.6 72.6 112.6#

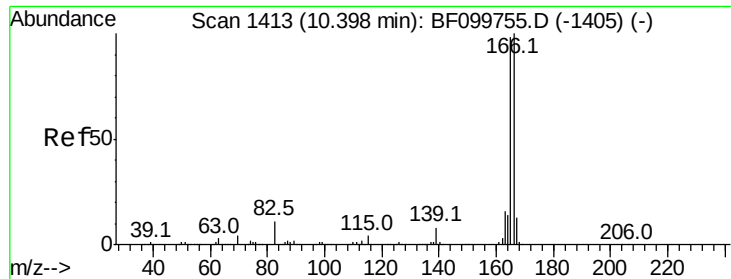


#56  
2,4-Dinitrotoluene  
Concen: 39.087 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion:165 Resp: 109687  
Ion Ratio Lower Upper  
165 100  
63 36.3 36.4 54.6#  
89 62.0 57.8 86.6  
182 2.4 1.6 2.4#



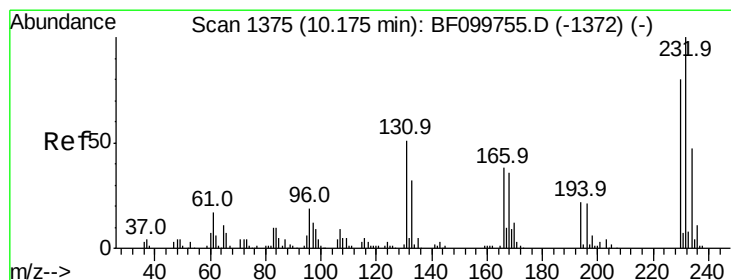
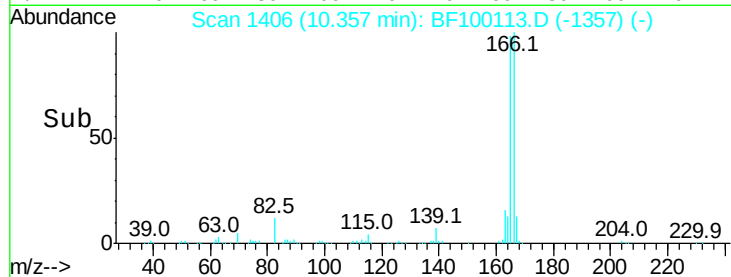
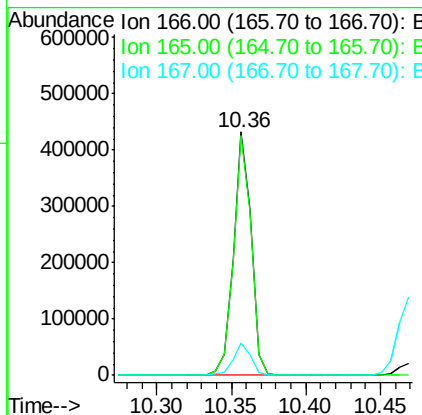
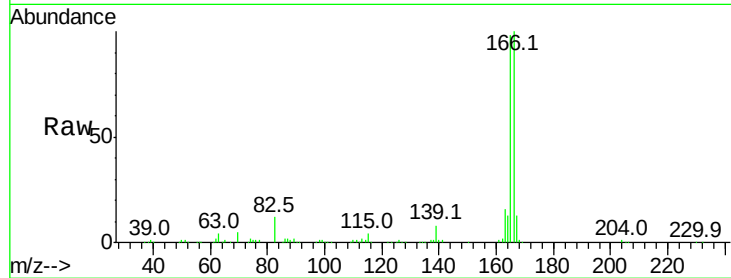




#57  
 Fluorene  
 Concen: 35.715 ng  
 RT: 10.36 min Scan# 1406  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

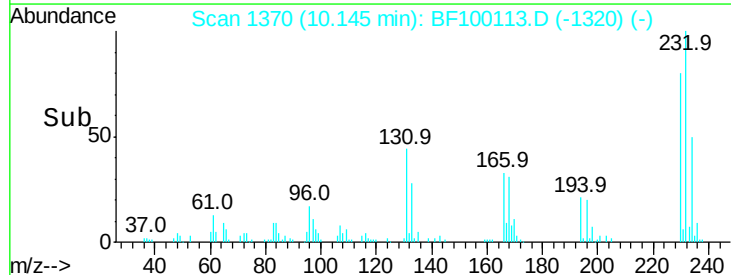
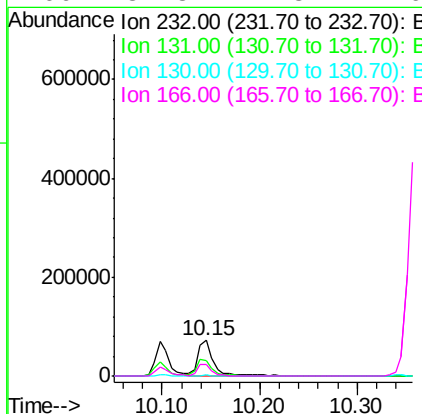
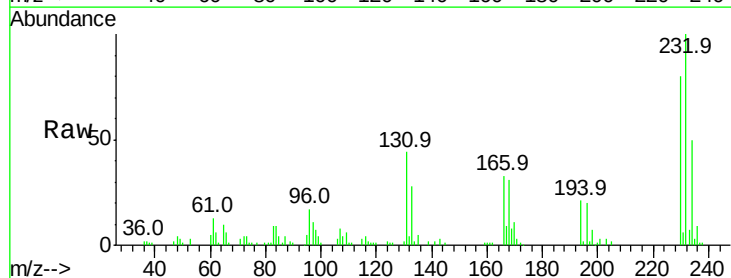
Instrument :  
 BNA\_F  
 ClientSampleId :

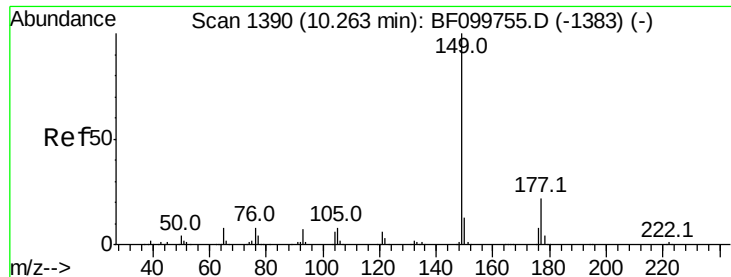
Tot Ion:166 Resp: 361234  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 79.8 119.8  
 167 13.3 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.976 ng  
 RT: 10.15 min Scan# 1370  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:232 Resp: 79298  
 Ion Ratio Lower Upper  
 232 100  
 131 46.7 43.8 65.8  
 130 1.8 2.1 3.1#  
 166 31.8 27.8 41.6

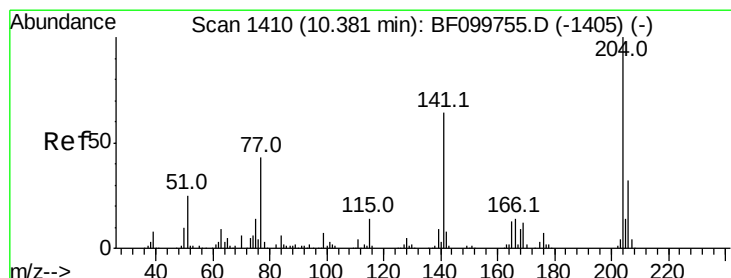
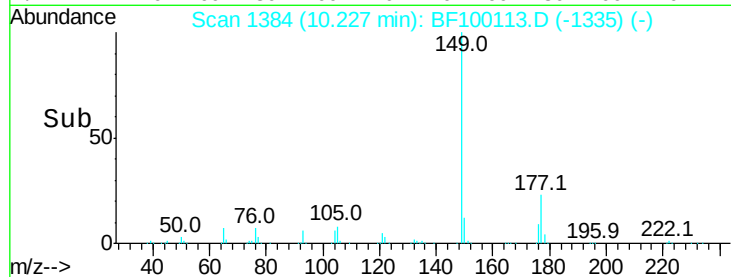
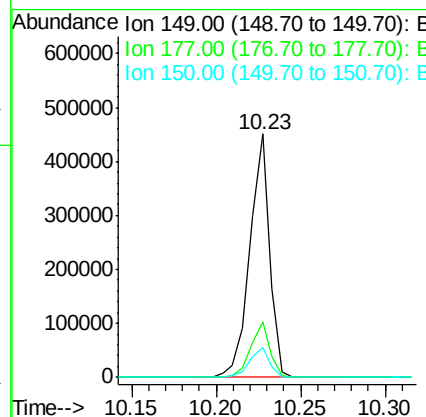
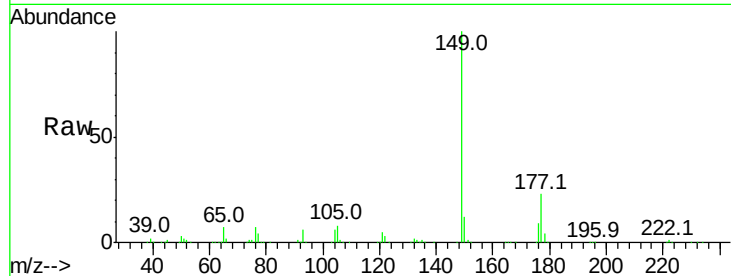




#59  
Diethylphthalate  
Concen: 34.260 ng  
RT: 10.23 min Scan# 1384  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

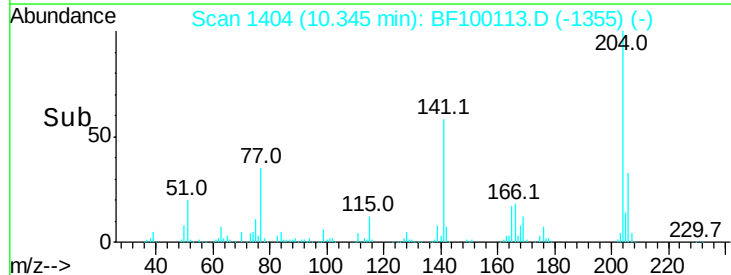
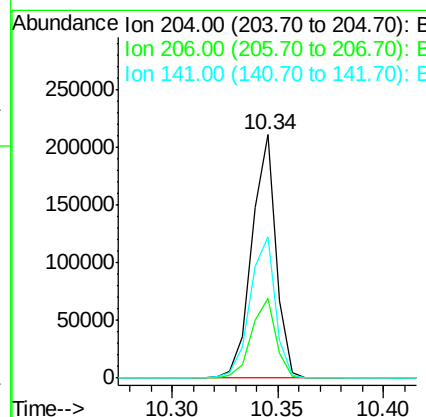
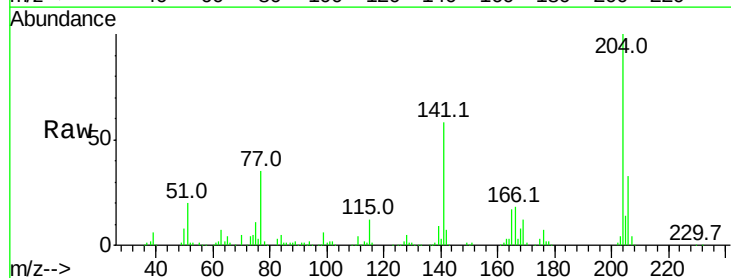
Instrument :  
BNA\_F  
ClientSampleId :

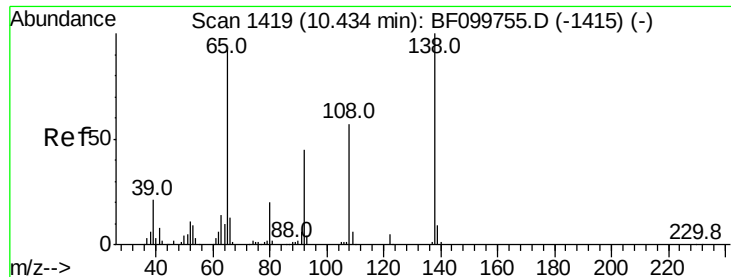
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.7  | 16.1  | 24.1  |
| 150     | 12.4  | 10.1  | 15.1  |



#60  
4-Chlorophenyl-phenylether  
Concen: 35.069 ng  
RT: 10.34 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.5  | 39.7  |
| 141     | 58.0  | 54.6  | 81.8  |

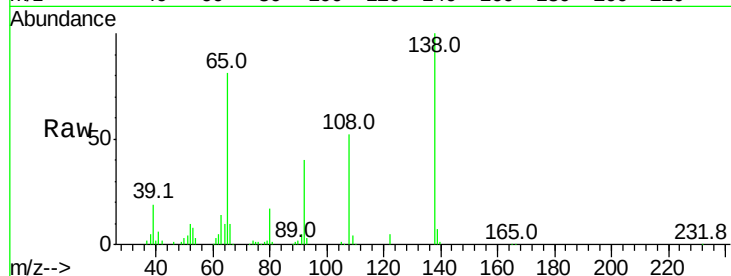




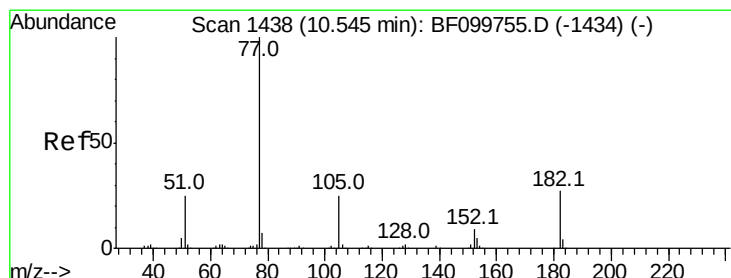
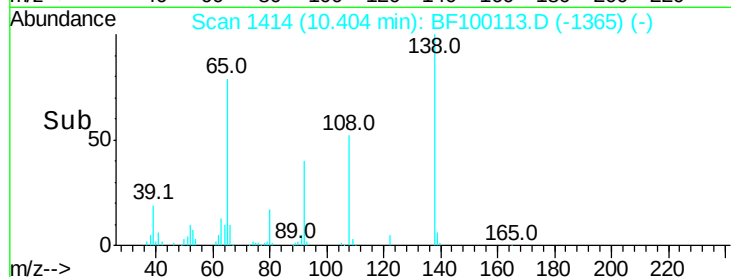
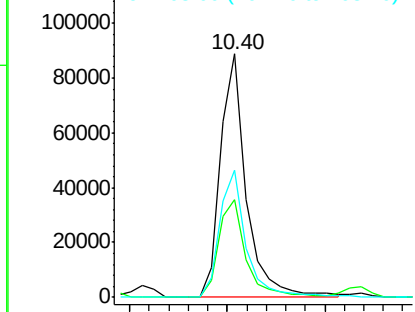
#61  
4-Nitroaniline  
Concen: 31.185 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:138 Resp: 81689  
Ion Ratio Lower Upper  
138 100  
92 39.9 30.2 70.2  
108 52.1 52.5 92.5#

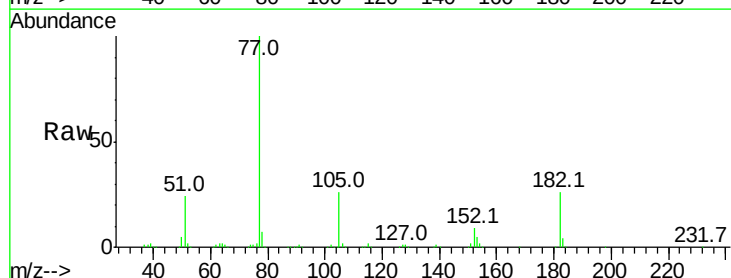


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 108.00 (107.70 to 108.70): E

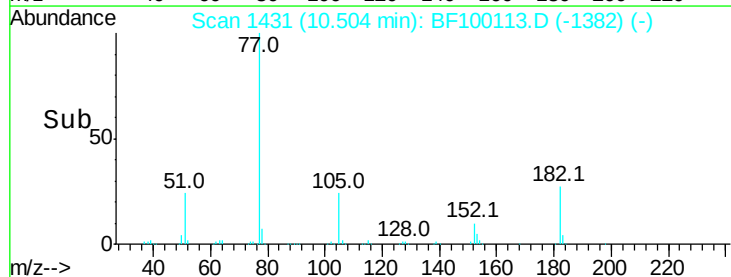
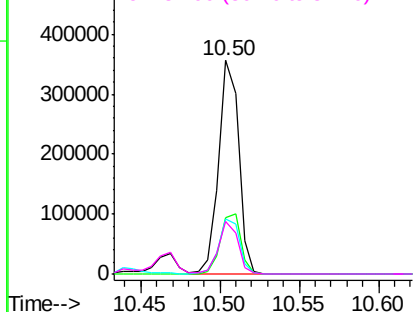


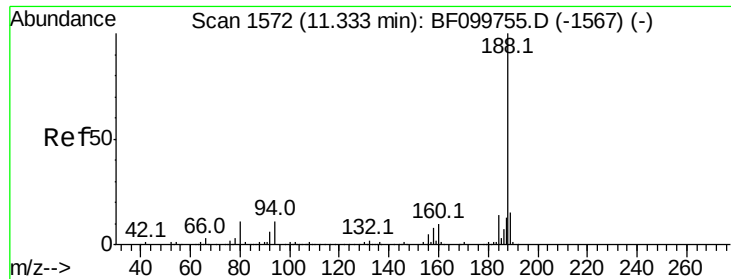
#62  
Azobenzene  
Concen: 34.586 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion: 77 Resp: 313824  
Ion Ratio Lower Upper  
77 100  
182 26.3 1.7 41.7  
105 25.7 3.0 43.0  
51 24.3 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

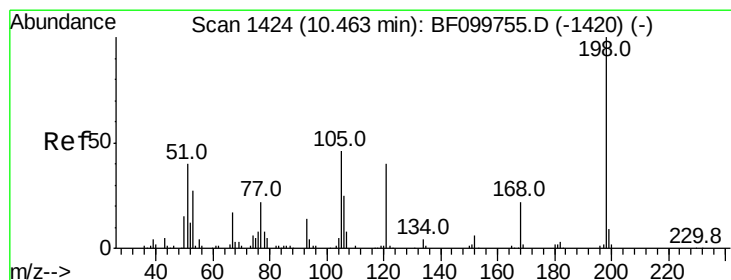
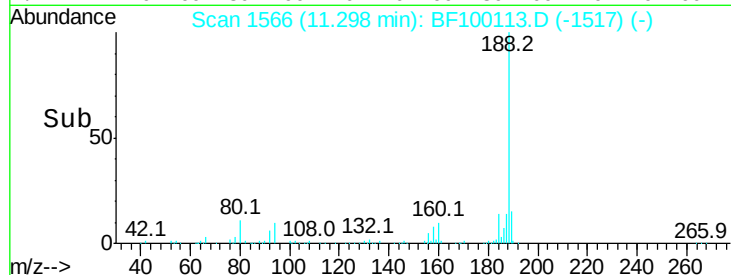
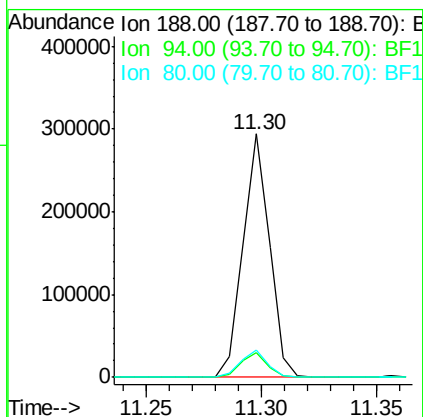
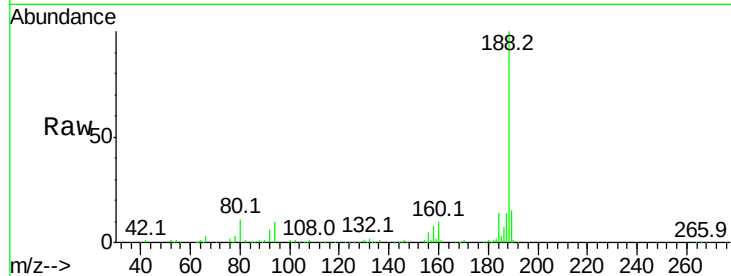




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1566  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

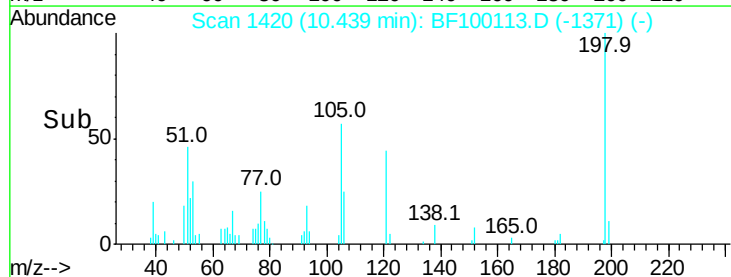
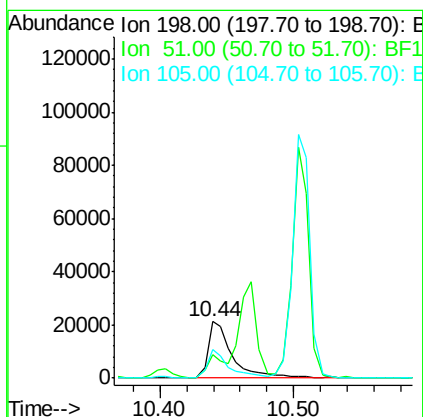
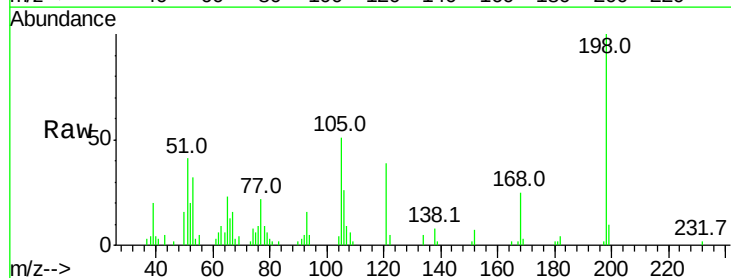
Instrument :  
BNA\_F  
ClientSampleId :

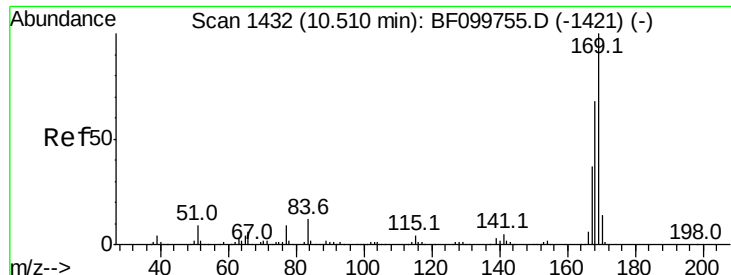
Tot Ion:188 Resp: 237126  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.5 12.7  
80 11.1 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 18.020 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. -0.01 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion:198 Resp: 26860  
Ion Ratio Lower Upper  
198 100  
51 40.7 37.7 77.7  
105 51.1 36.3 76.3

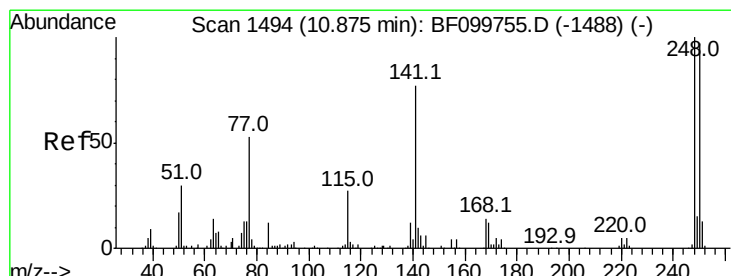
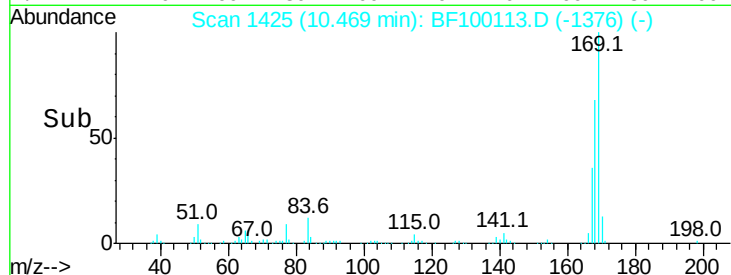
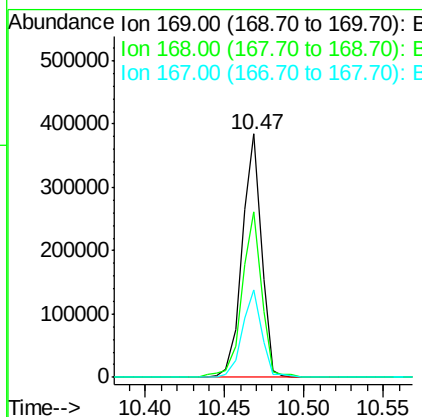
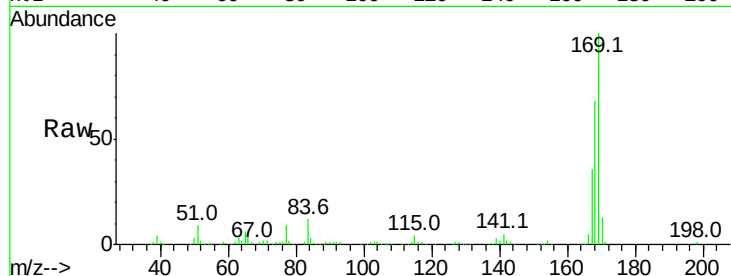




#65  
 n-Nitrosodiphenylamine  
 Concen: 36.656 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

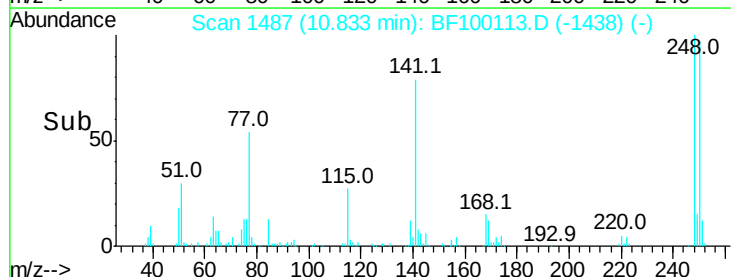
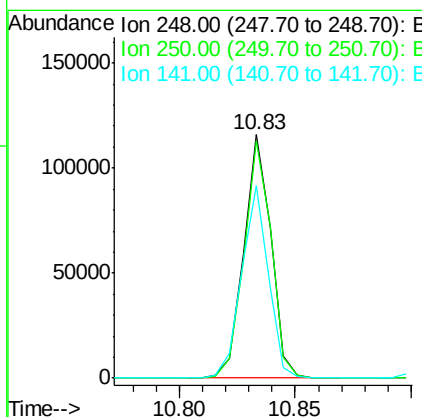
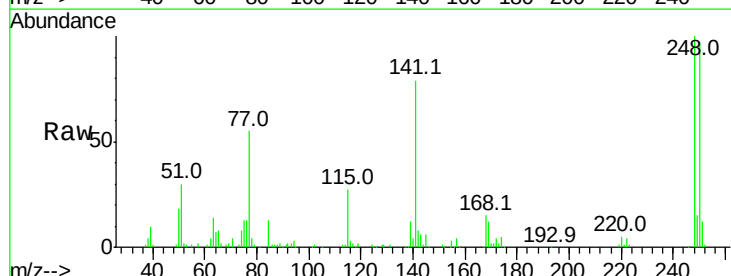
Instrument :  
 BNA\_F  
 ClientSampleId :

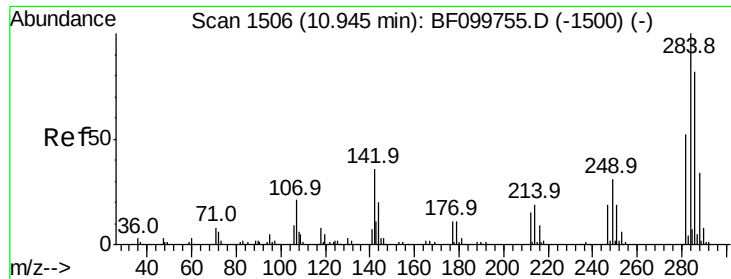
Tot Ion:169 Resp: 320862  
 Ion Ratio Lower Upper  
 169 100  
 168 67.8 54.4 81.6  
 167 36.0 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 38.220 ng  
 RT: 10.83 min Scan# 1487  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:248 Resp: 95410  
 Ion Ratio Lower Upper  
 248 100  
 250 97.2 76.9 115.3  
 141 79.2 74.4 111.6





#67

Hexachlorobenzene

Concen: 36.839 ng

RT: 10.91 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampled :

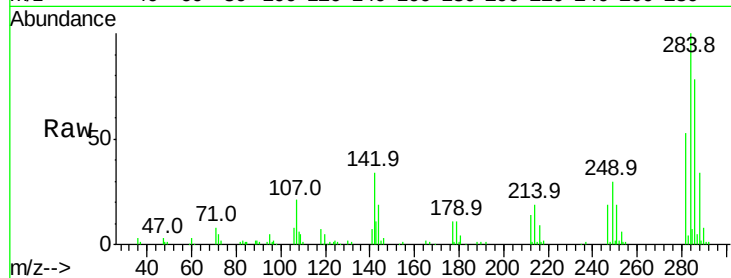
Tot Ion:284 Resp: 94084

Ion Ratio Lower Upper

284 100

142 33.8 34.6 52.0#

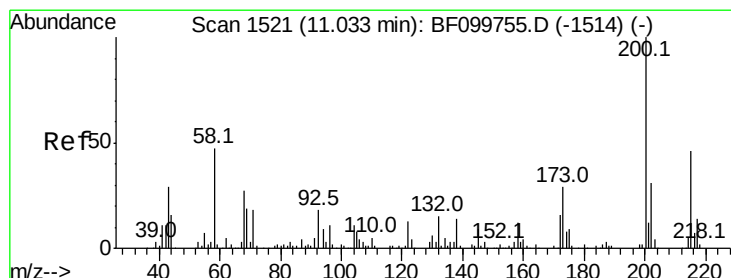
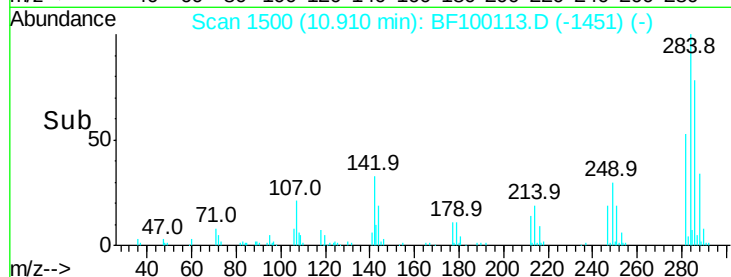
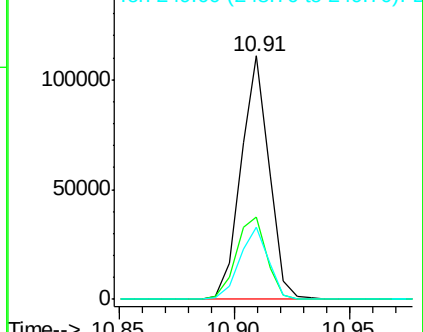
249 29.7 24.8 37.2



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



#68

Atrazine

Concen: 37.548 ng

RT: 11.00 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

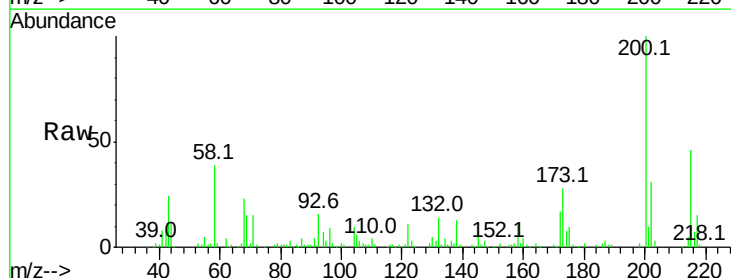
Tgt Ion:200 Resp: 98727

Ion Ratio Lower Upper

200 100

173 28.2 8.6 48.6

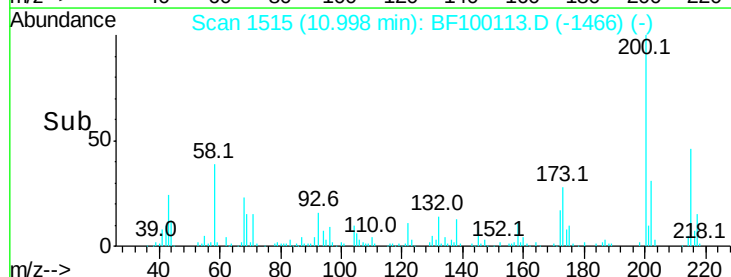
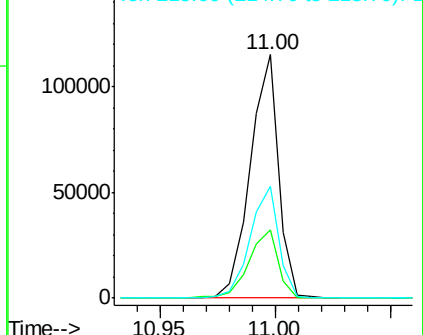
215 46.1 25.1 65.1

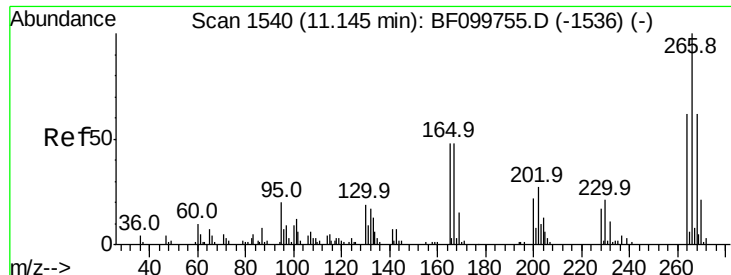


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

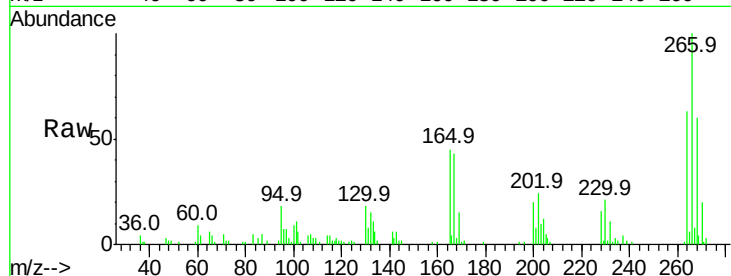




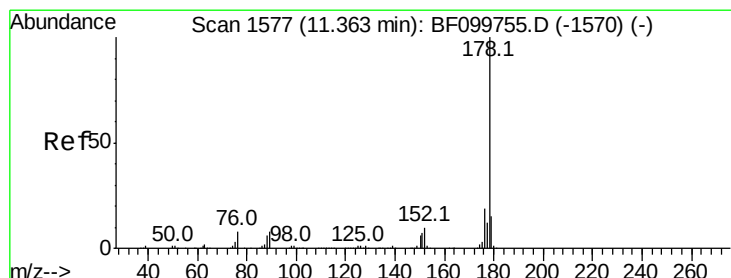
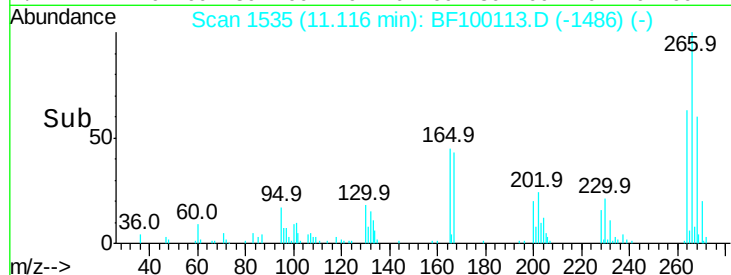
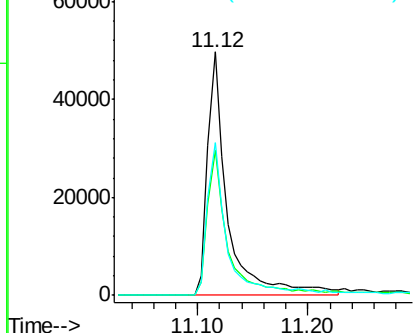
#69  
 Pentachlorophenol  
 Concen: 56.469 ng  
 RT: 11.12 min Scan# 1535  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:266 Resp: 61624  
 Ion Ratio Lower Upper  
 266 100  
 268 59.5 51.1 76.7  
 264 62.7 49.5 74.3

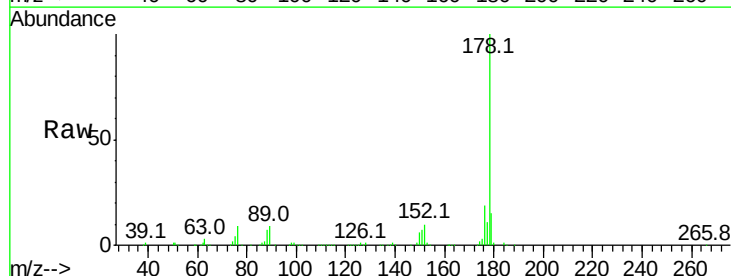


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

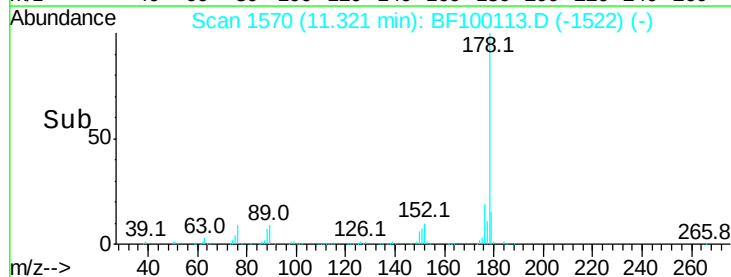
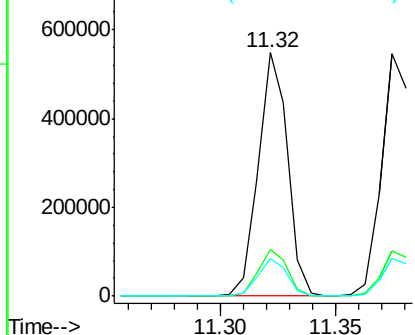


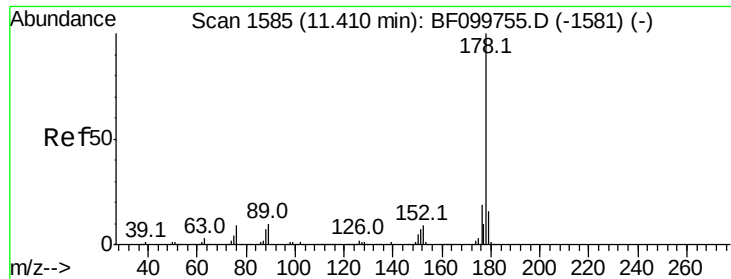
#70  
 Phenanthrene  
 Concen: 36.354 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:178 Resp: 486501  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.8 23.8  
 179 15.2 13.0 19.6



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

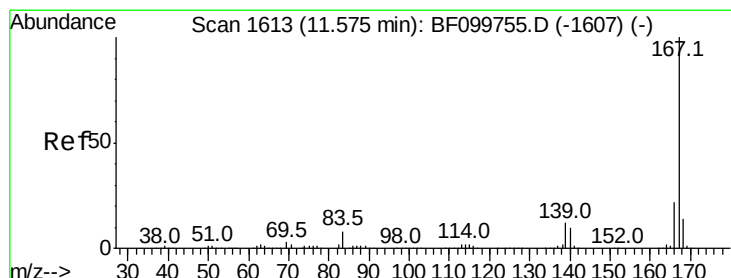
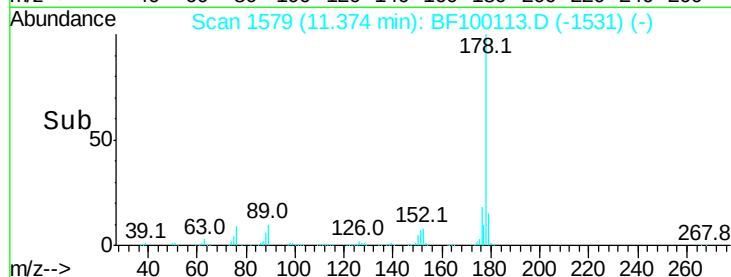
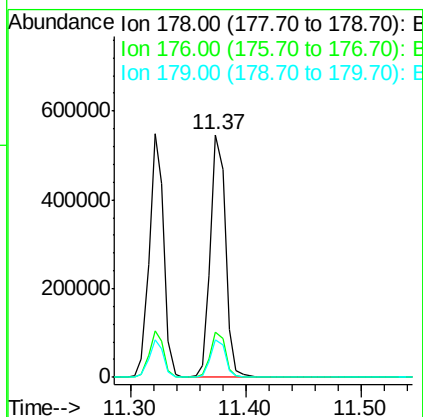
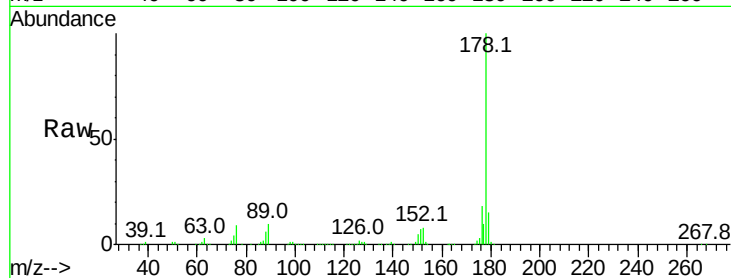




#71  
 Anthracene  
 Concen: 36.708 ng  
 RT: 11.37 min Scan# 1579  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

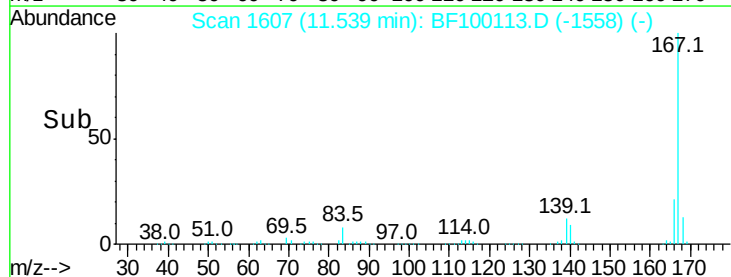
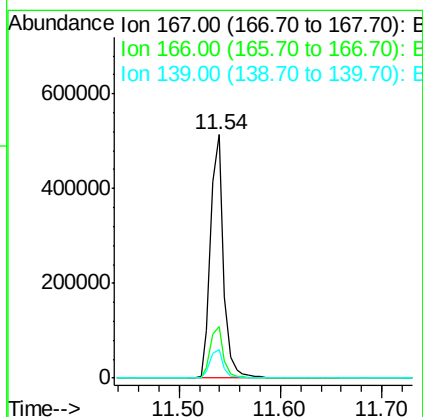
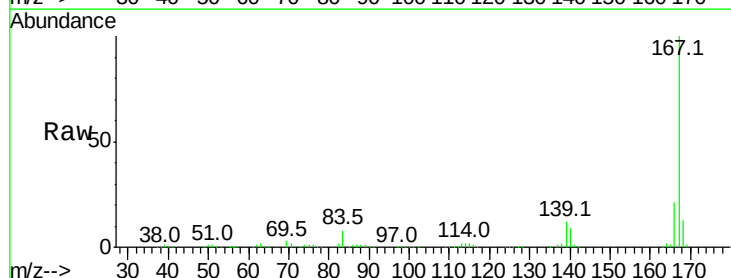
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:178 Resp: 498634  
 Ion Ratio Lower Upper  
 178 100  
 176 18.4 15.4 23.2  
 179 15.5 12.6 19.0

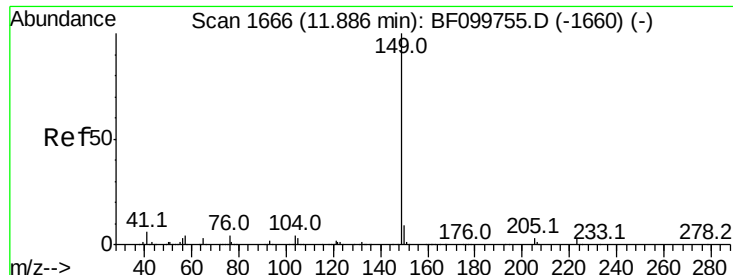


#72  
 Carbazole  
 Concen: 35.844 ng  
 RT: 11.54 min Scan# 1607  
 Delta R.T. -0.01 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:167 Resp: 457864  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.6 26.4  
 139 11.8 10.9 16.3







#73

Di-n-butylphthalate

Concen: 36.738 ng

RT: 11.84 min Scan# 1659

Delta R.T. -0.02 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

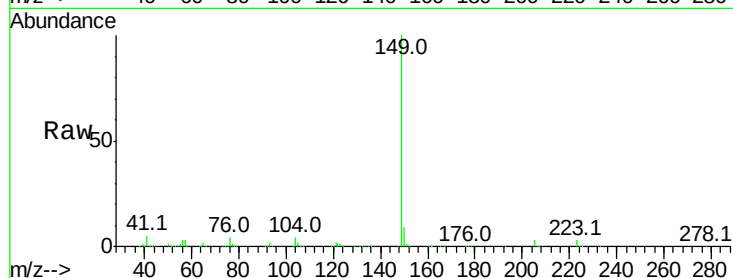
Tot Ion:149 Resp: 598559

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

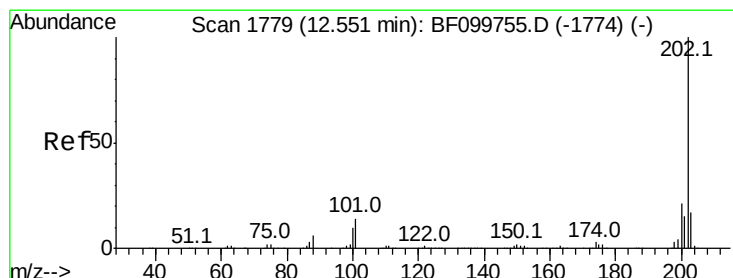
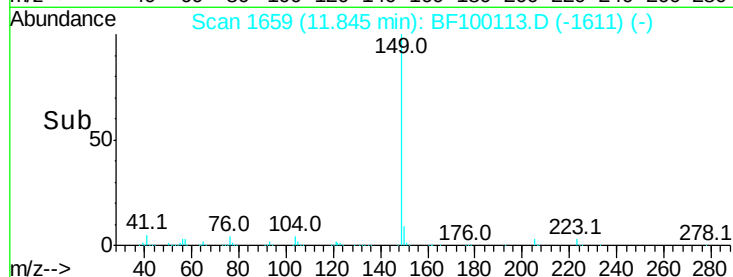
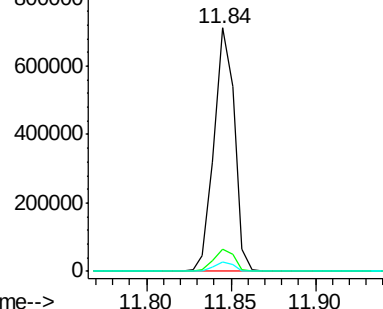
104 4.0 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 31.882 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

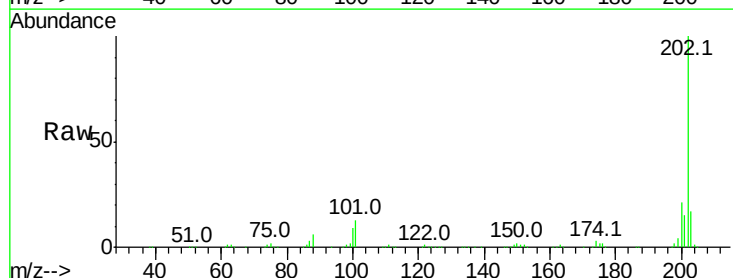
Tgt Ion:202 Resp: 443381

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

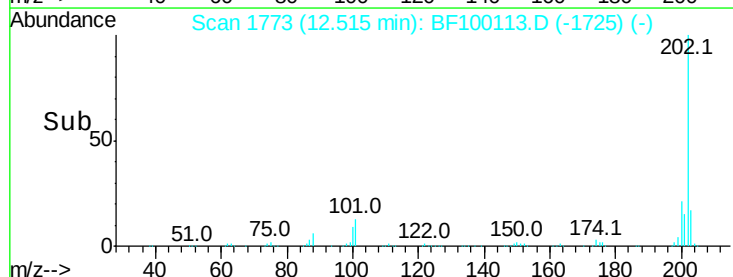
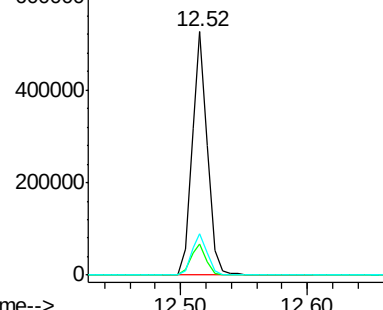
203 16.8 0.0 38.1

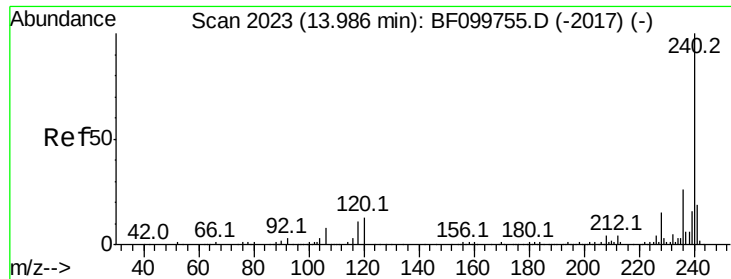


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

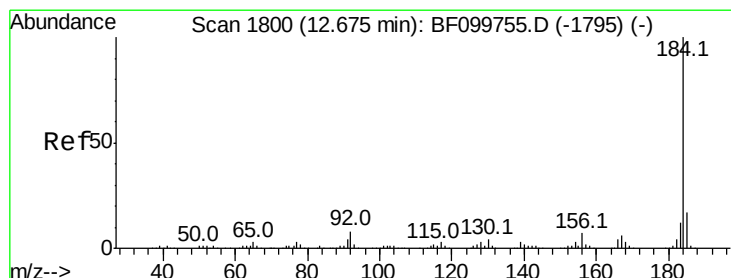
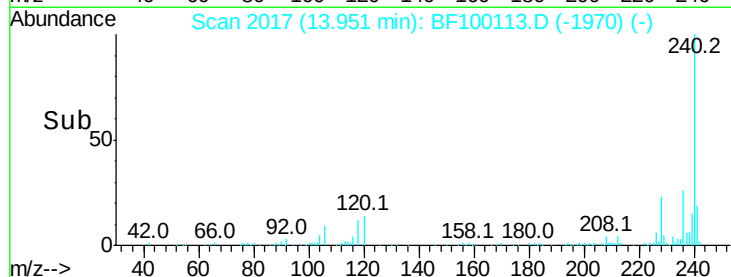
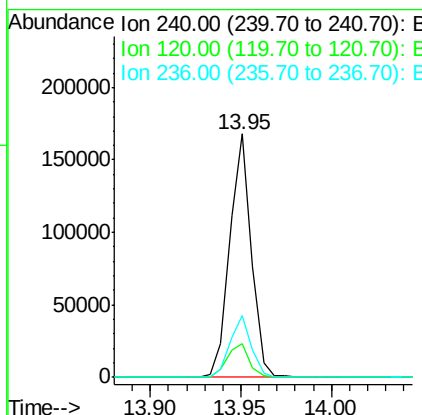
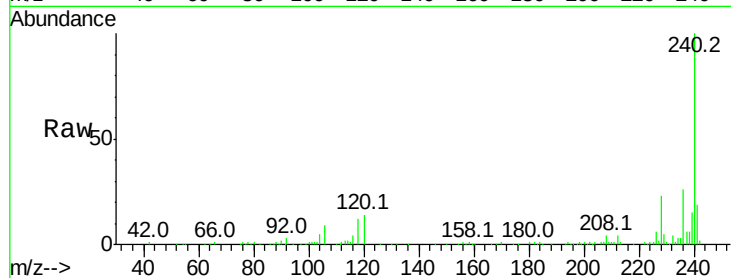




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.95 min Scan# 2017  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

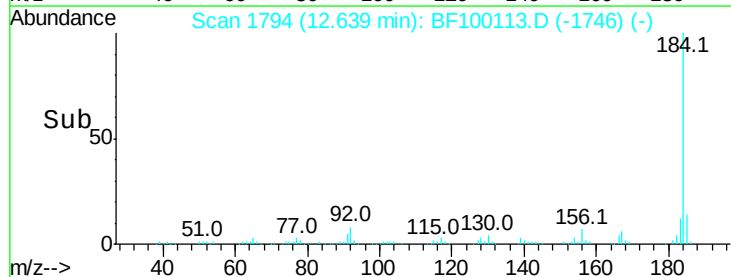
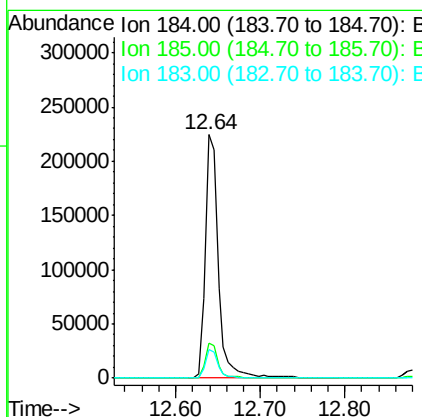
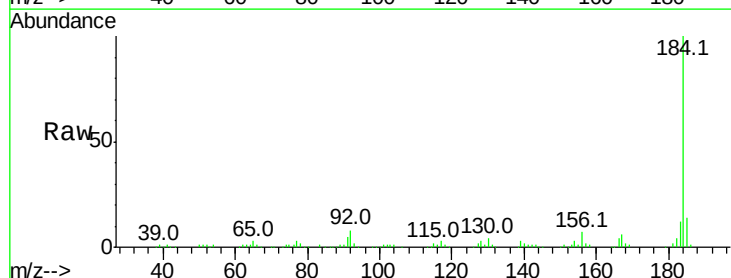
Instrument :  
 BNA\_F  
 ClientSampled :

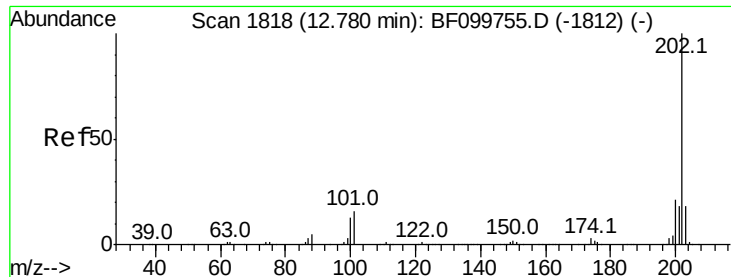
Tot Ion:240 Resp: 139366  
 Ion Ratio Lower Upper  
 240 100  
 120 13.6 9.5 14.3  
 236 25.5 20.7 31.1



#76  
 Benzidine  
 Concen: 39.698 ng  
 RT: 12.64 min Scan# 1794  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:184 Resp: 242086  
 Ion Ratio Lower Upper  
 184 100  
 185 14.3 12.6 18.8  
 183 11.7 9.3 13.9

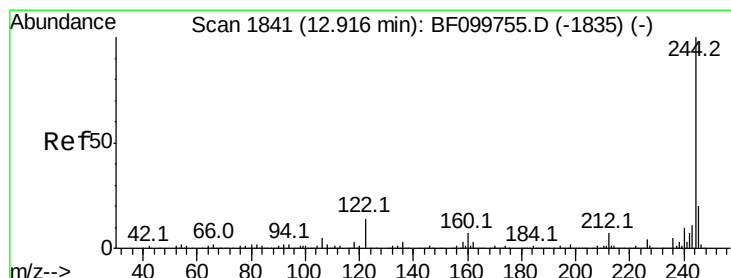
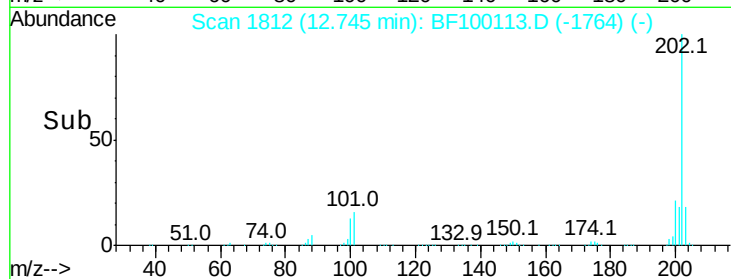
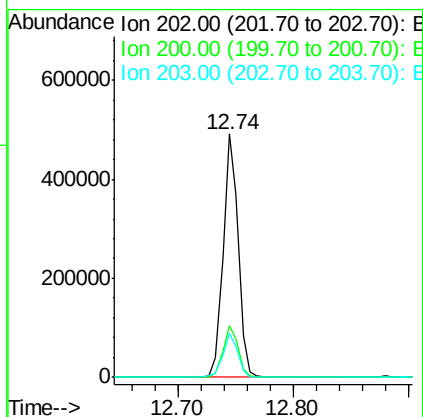
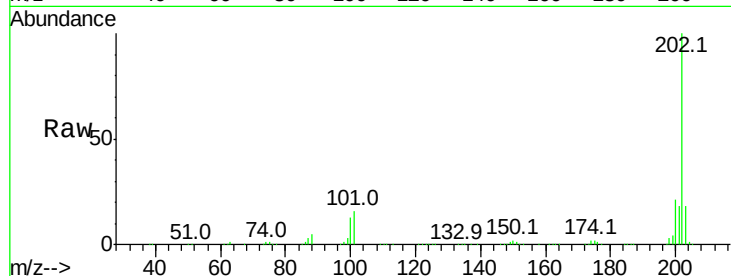




#77  
Pvrene  
Concen: 41.766 ng  
RT: 12.74 min Scan# 1812  
Delta R.T. -0.02 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

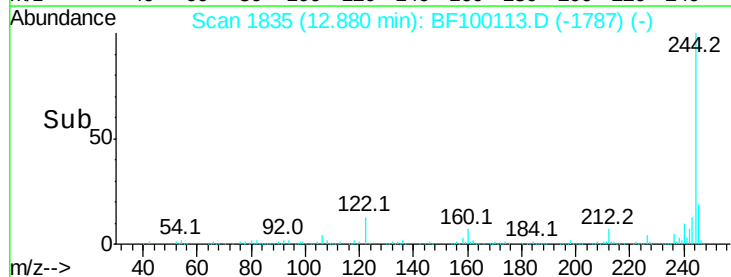
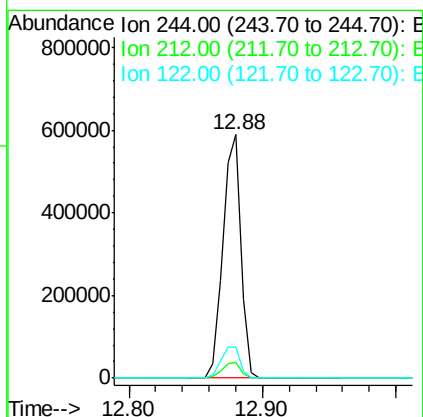
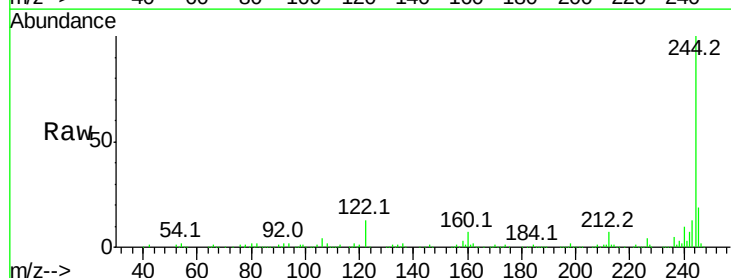
Instrument :  
BNA\_F  
ClientSampleId :

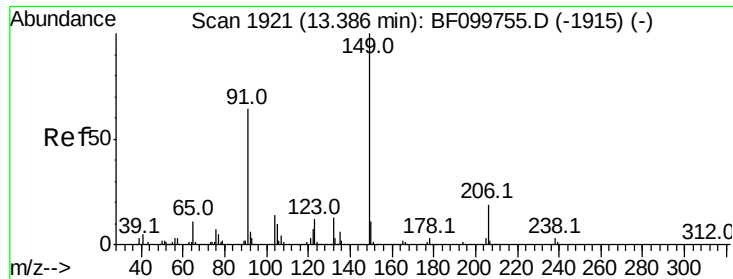
Tot Ion:202 Resp: 442607  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.4 26.2  
203 17.9 14.3 21.5



#78  
Terphenyl-d14  
Concen: 88.299 ng  
RT: 12.88 min Scan# 1835  
Delta R.T. -0.02 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion:244 Resp: 563104  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.4 8.0  
122 12.6 11.0 16.4

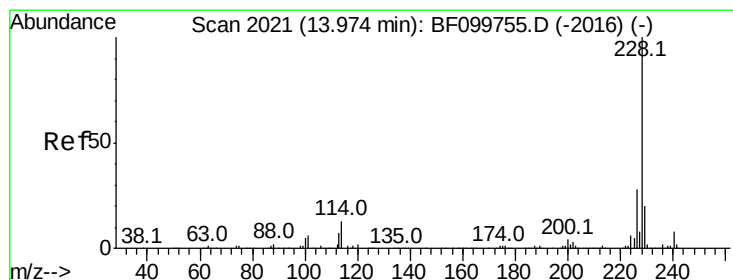
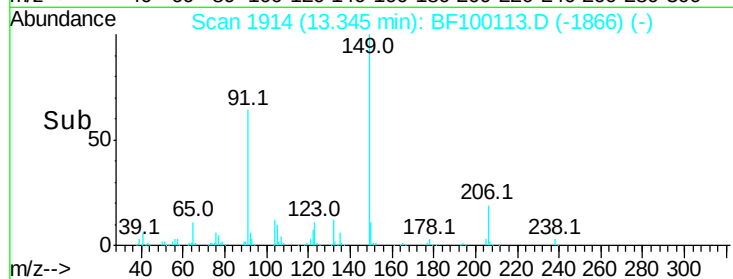
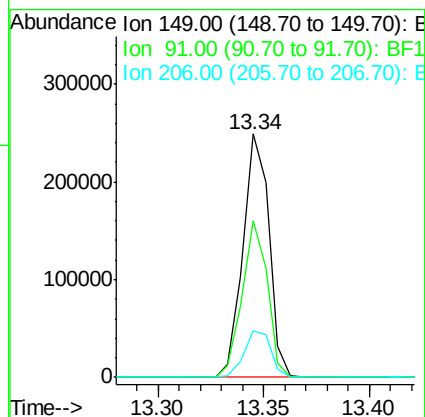
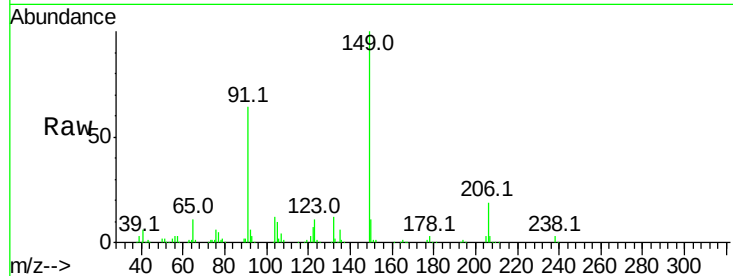




#79  
 Butylbenzylphthalate  
 Concen: 40.623 ng  
 RT: 13.34 min Scan# 1914  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

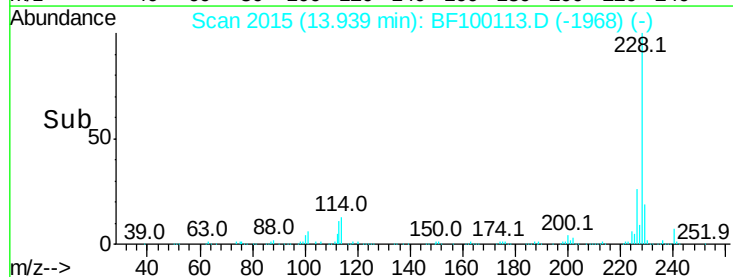
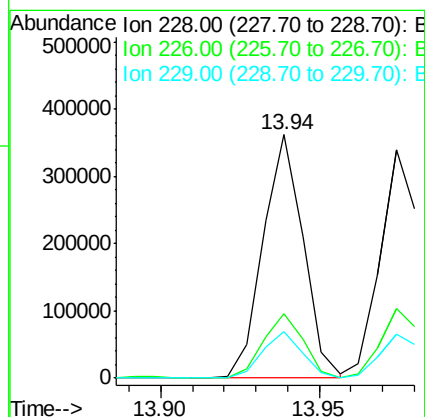
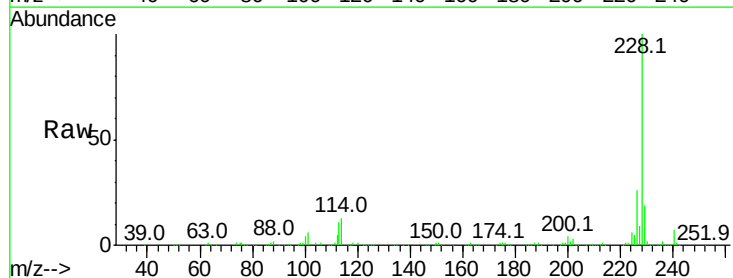
Instrument :  
 BNA\_F  
 ClientSampleId :

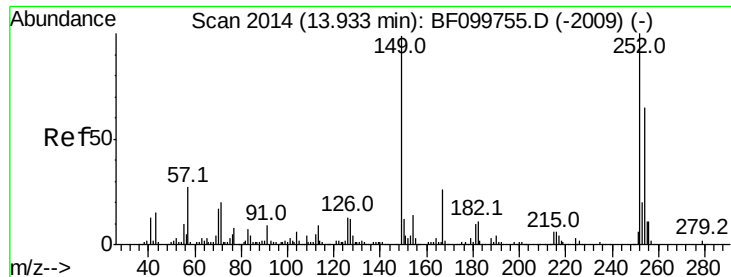
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 211988 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 64.4  | 56.8  | 85.2   |
| 206       | 18.9  | 14.1  | 21.1   |



#80  
 Benzo(a)anthracene  
 Concen: 36.091 ng  
 RT: 13.94 min Scan# 2015  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 318856 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 26.4  | 22.6  | 33.8   |
| 229       | 18.9  | 15.8  | 23.6   |

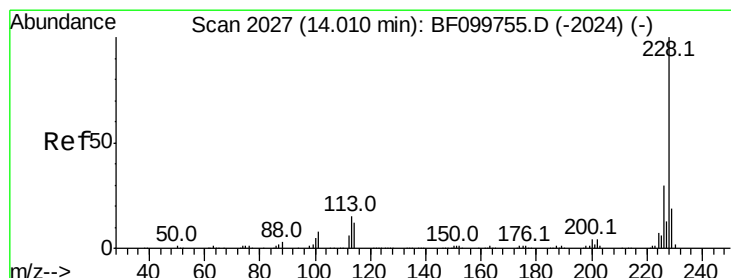
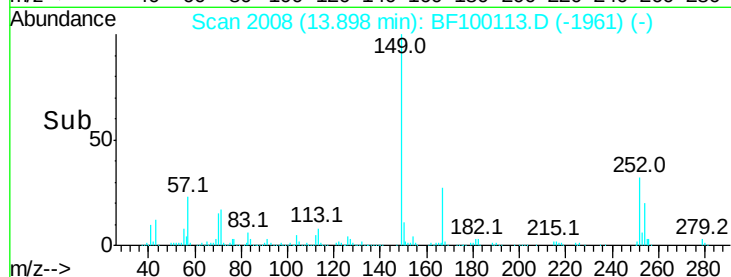
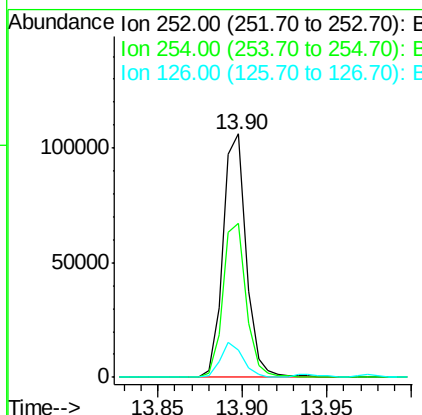
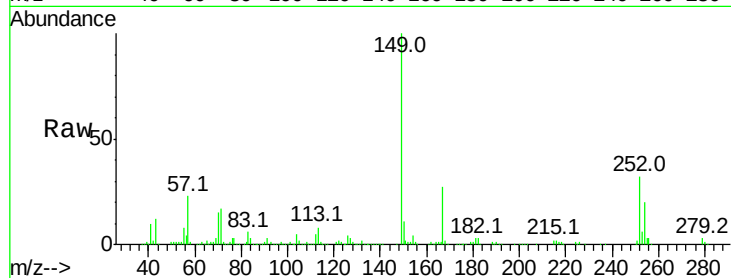




#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.788 ng  
 RT: 13.90 min Scan# 2008  
 Delta R.T. -0.02 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

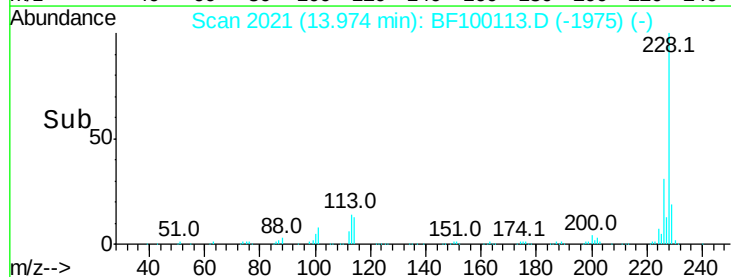
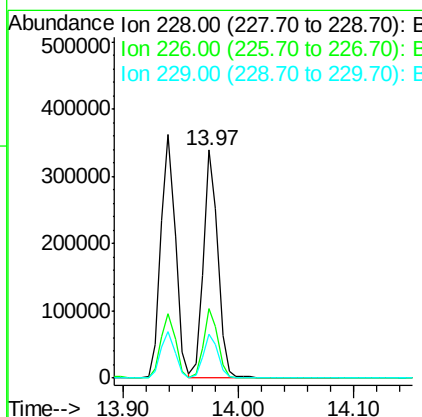
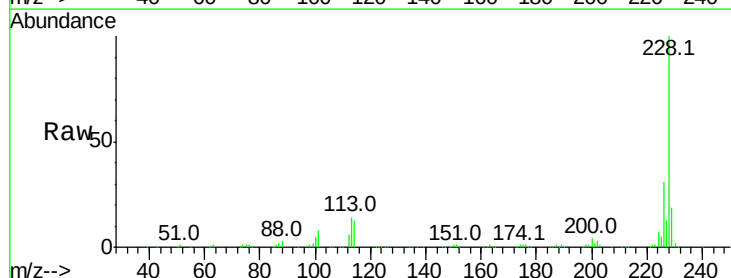
Instrument :  
 BNA\_F  
 ClientSampleId :

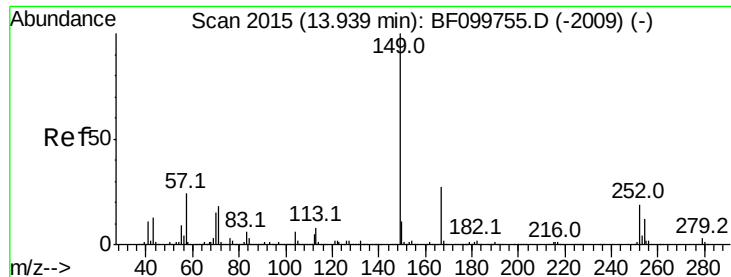
Tot Ion:252 Resp: 101945  
 Ion Ratio Lower Upper  
 252 100  
 254 63.1 50.4 75.6  
 126 11.0 11.3 16.9#



#82  
 Chrysene  
 Concen: 36.273 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.03 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

Tgt Ion:228 Resp: 301283  
 Ion Ratio Lower Upper  
 228 100  
 226 30.5 25.0 37.6  
 229 19.3 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.951 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

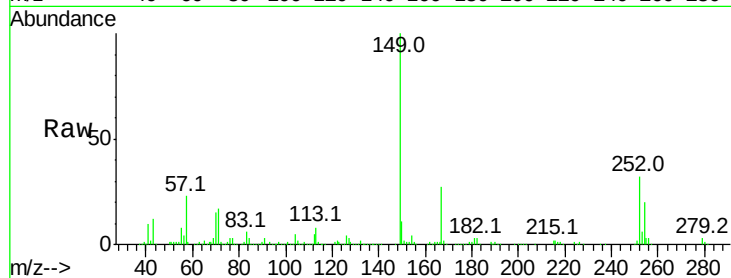
Tot Ion:149 Resp: 278116

Ion Ratio Lower Upper

149 100

167 27.0 21.3 31.9

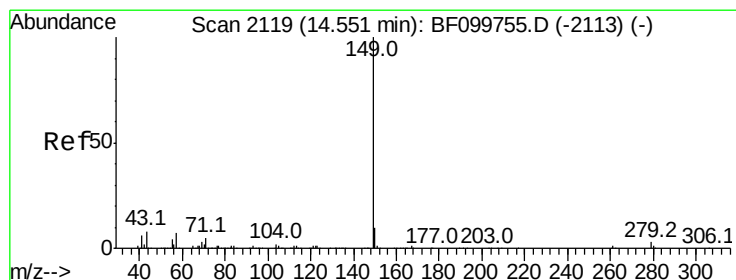
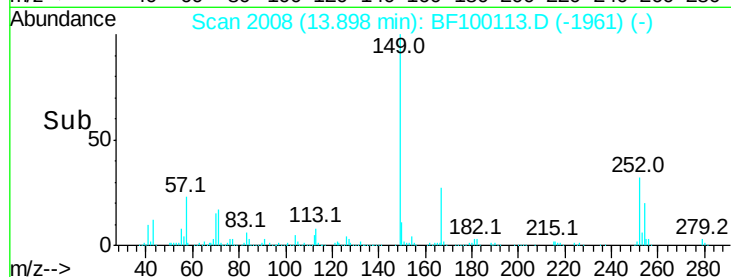
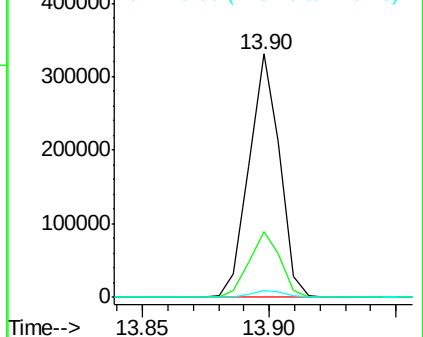
279 2.9 3.0 4.4#



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



#84

Di-n-octyl phthalate

Concen: 33.783 ng

RT: 14.51 min Scan# 2112

Delta R.T. -0.05 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

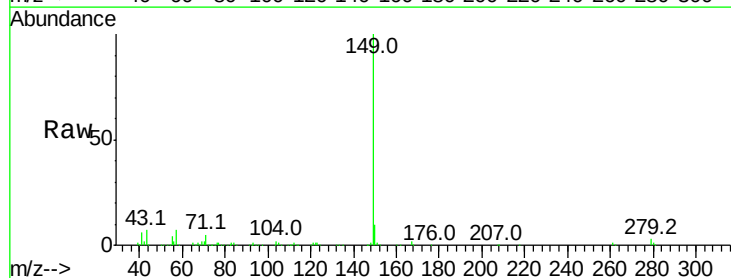
Tgt Ion:149 Resp: 424921

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

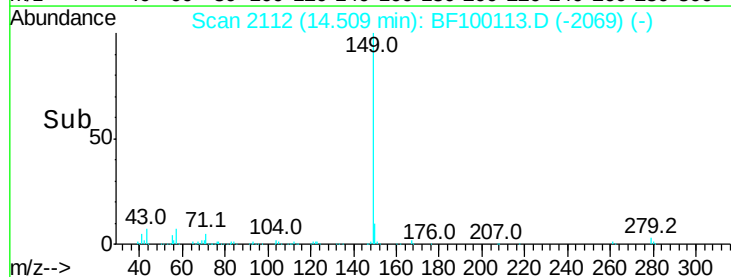
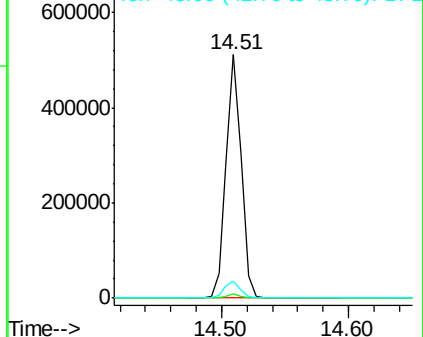
43 7.0 8.4 12.6#

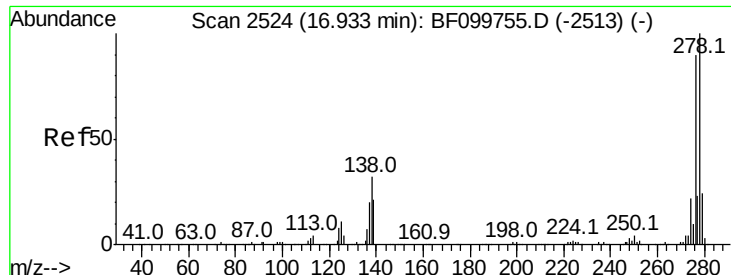


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

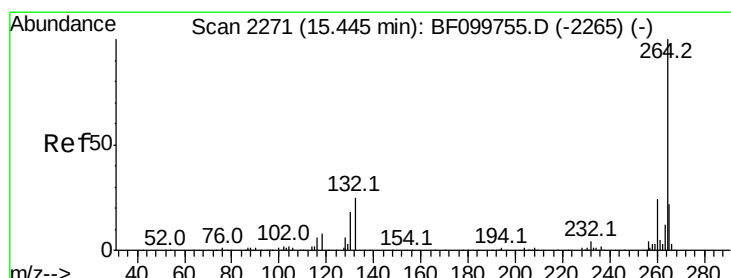
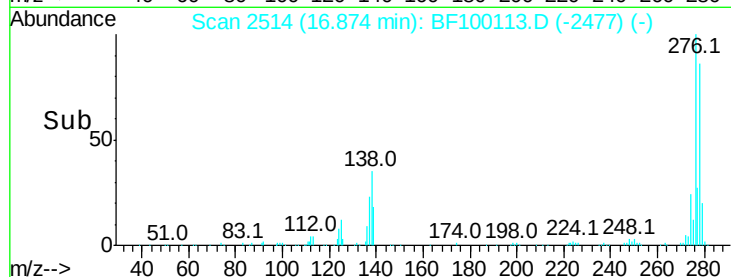
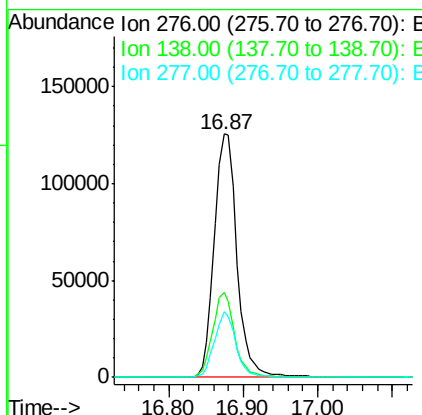
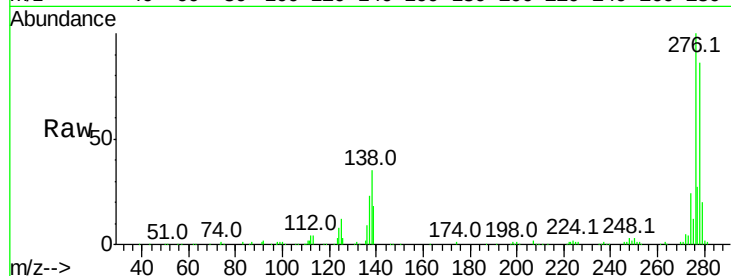




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 34.927 ng  
 RT: 16.87 min Scan# 2514  
 Delta R.T. -0.08 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

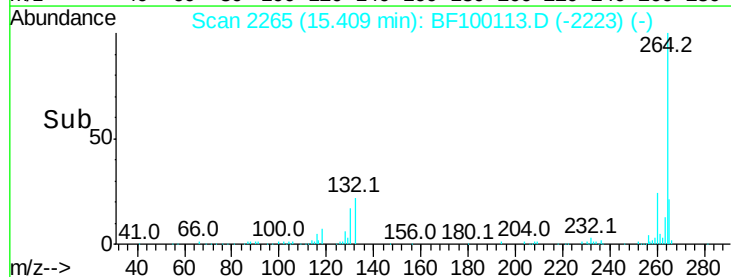
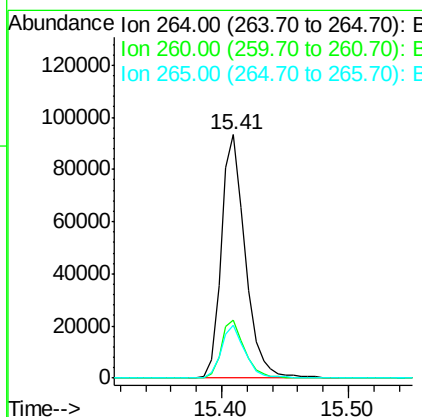
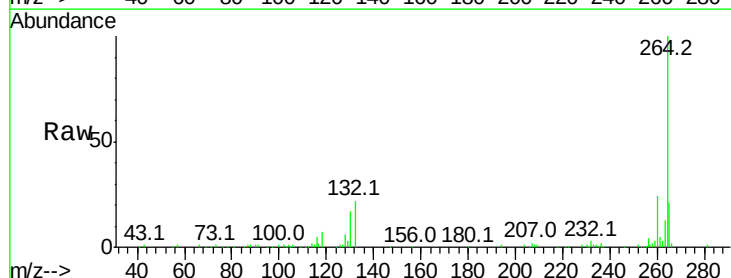
Instrument :  
 BNA\_F  
 ClientSampleId :

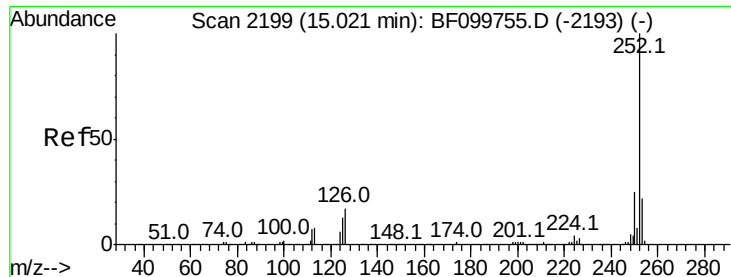
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.5  | 25.0  | 37.6  |
| 277     | 25.3  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.41 min Scan# 2265  
 Delta R.T. -0.05 min  
 Lab File: BF100113.D  
 Acq: 3 Nov 2017 5:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |

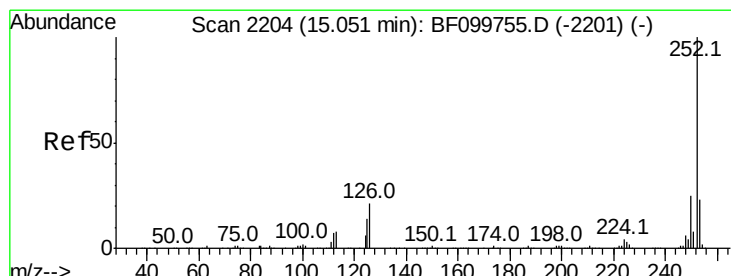
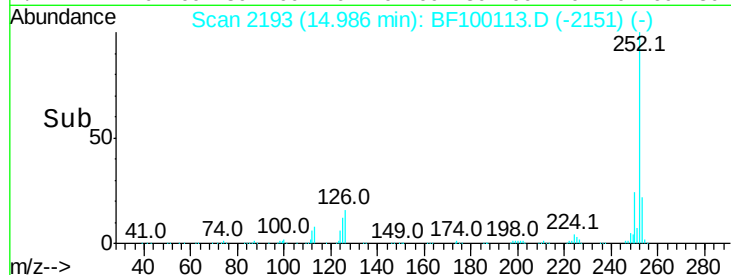
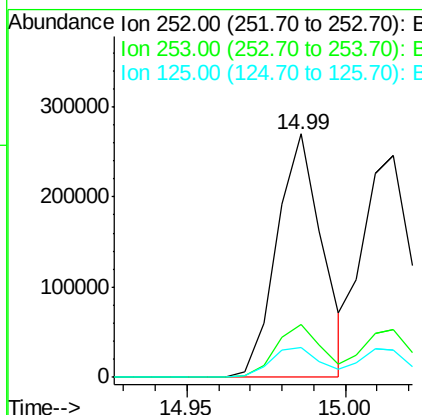
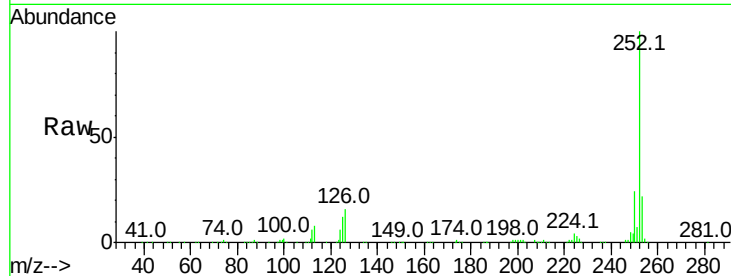




#87  
Benzo(b)fluoranthene  
Concen: 34.856 ng  
RT: 14.99 min Scan# 2193  
Delta R.T. -0.05 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

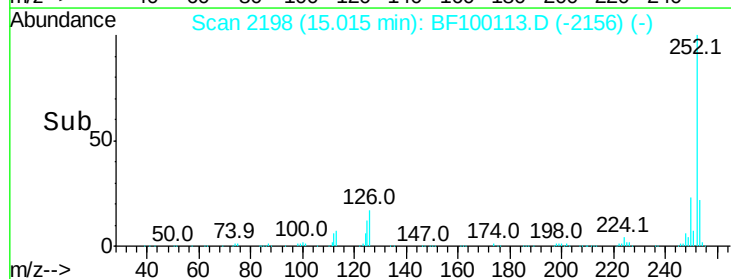
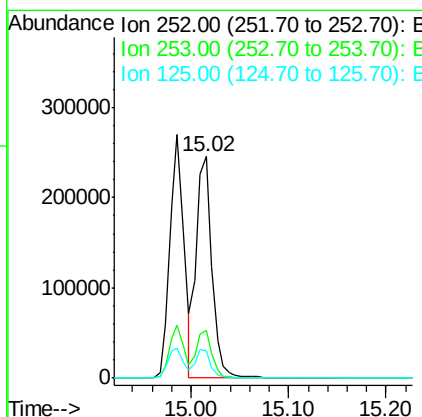
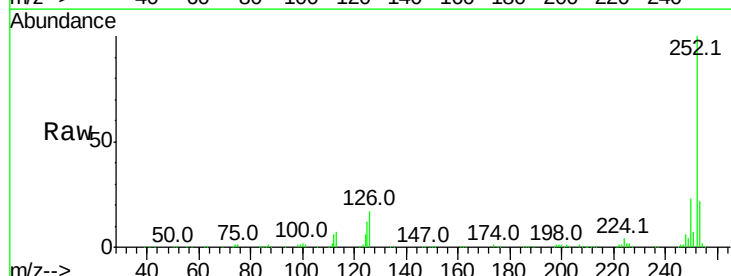
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 269103  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.0 25.6  
125 12.1 9.0 13.6

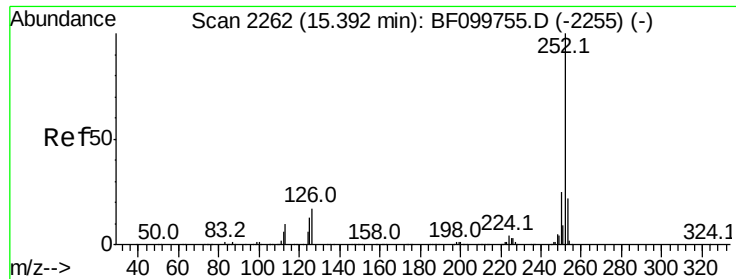


#88  
Benzo(k)fluoranthene  
Concen: 37.885 ng  
RT: 15.02 min Scan# 2198  
Delta R.T. -0.05 min  
Lab File: BF100113.D  
Acq: 3 Nov 2017 5:00

Tgt Ion:252 Resp: 275810  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.9 26.9  
125 12.2 10.2 15.2







#89

Benzo(a)pyrene

Concen: 37.728 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.06 min

Lab File: BF100113.D

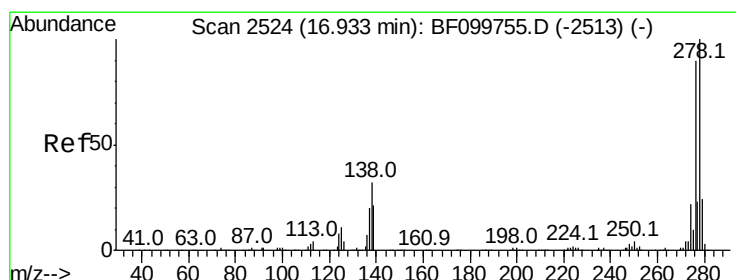
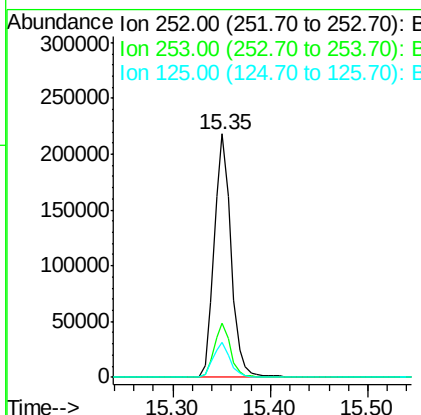
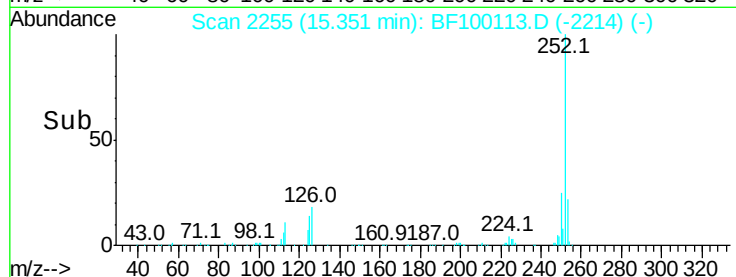
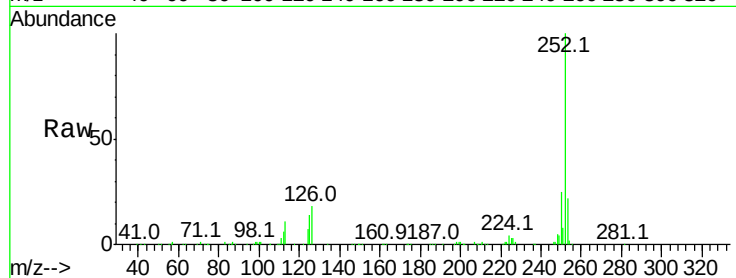
Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampled :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 261652 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.0  | 17.1  | 25.7   |
| 125       | 14.2  | 9.8   | 14.6   |



#90

Dibenzo(a,h)anthracene

Concen: 36.878 ng

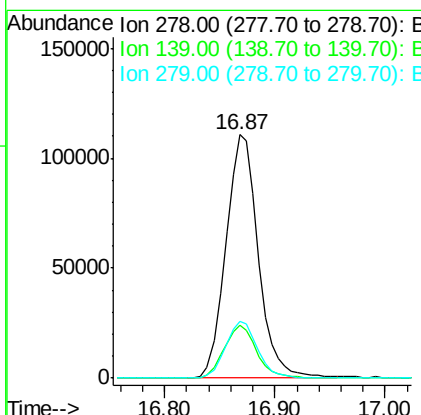
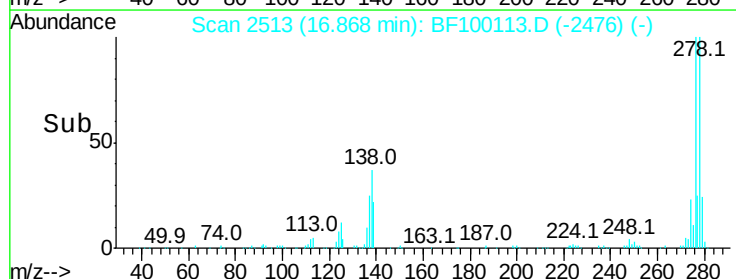
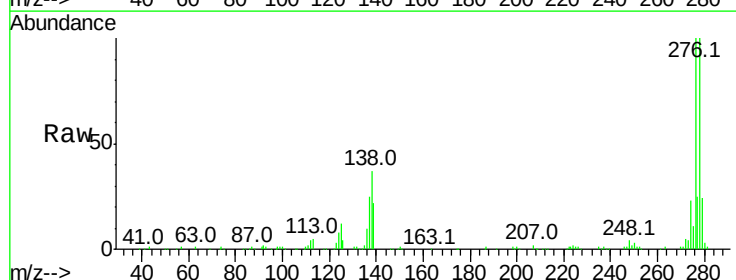
RT: 16.87 min Scan# 2513

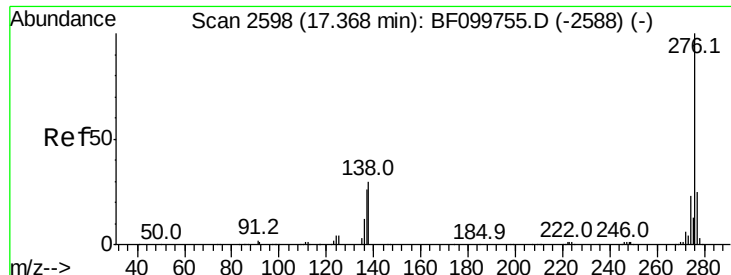
Delta R.T. -0.08 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 227257 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 21.6  | 15.9  | 23.9   |
| 279       | 23.5  | 19.0  | 28.4   |





#91

Benzo(a,h,i)perylene

Concen: 36.305 ng

RT: 17.32 min Scan# 2589

Delta R.T. -0.09 min

Lab File: BF100113.D

Acq: 3 Nov 2017 5:00

Instrument :

BNA\_F

ClientSampleId :

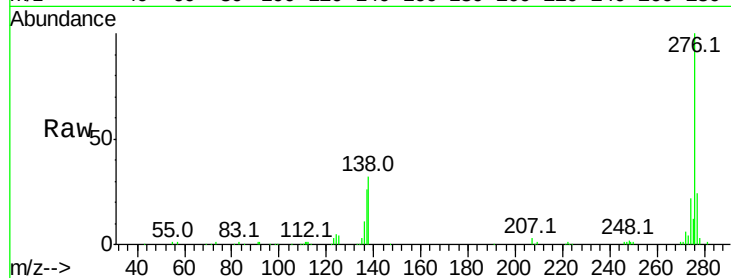
Tot Ion:276 Resp: 218883

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 31.6 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

