

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\  
 Data File : BF100862.D  
 Acq On : 23 Nov 2017 9:20  
 Operator : SJ/JU  
 Sample : I6541-04  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 23 23:51:10 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 67993    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.14  | 136  | 259000   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 9.89  | 164  | 118893   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.38 | 188  | 201768   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.02 | 240  | 125519   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.49 | 264  | 140891   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.47  | 112  | 158795   | 37.44  | ng    | -0.02    |
| 7) Phenol-d6                | 6.48  | 99   | 121408   | 23.21  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 386292   | 98.61  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 107059   | 88.37  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 788072   | 100.93 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.97 | 244  | 532523   | 97.48  | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 6) Aniline                     | 6.63  | 93   | 237      | 0.032  | ng    | # 1    |
| 9) Benzaldehyde                | 6.63  | 77   | 5714     | 1.530  | ng    | 85     |
| 10) Phenol                     | 6.49  | 94   | 9437     | 1.719  | ng    | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.63  | 93   | 237      | 0.051  | ng    | # 1    |
| 15) Benzyl Alcohol             | 7.02  | 79   | 6256     | 1.533  | ng    | # 47   |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 49626    | 13.681 | ng    | # 81   |
| 24) Nitrobenzene               | 7.42  | 77   | 1007     | 0.250  | ng    | # 33   |
| 25) Isophorone                 | 7.42  | 82   | 386287   | 46.923 | ng    | # 64   |
| 45) 1,1'-Biphenyl              | 9.22  | 154  | 1288     | 0.125  | ng    | # 1    |
| 47) 2-Nitroaniline             | 9.22  | 65   | 1086     | 3.248  | ng    | # 1    |
| 49) Dimethylphthalate          | 9.60  | 163  | 14368    | 1.583  | ng    | 96     |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 15406    | 8.574  | ng    | # 24   |
| 51) Acenaphthene               | 9.90  | 154  | 366      | 0.049  | ng    | # 4    |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 15406    | 6.796  | ng    | # 21   |
| 57) Fluorene                   | 10.68 | 166  | 4845     | 0.628  | ng    | # 90   |
| 59) Diethylphthalate           | 10.30 | 149  | 1731     | 0.191  | ng    | # 87   |
| 62) Azobenzene                 | 10.68 | 77   | 500      | 0.058  | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.68 | 169  | 3239     | 0.462  | ng    | # 37   |
| 66) 4-Bromophenyl-phenvlether  | 10.68 | 248  | 6748     | 3.120  | ng    | # 1    |
| 70) Phenanthrene               | 11.40 | 178  | 454      | 0.043  | ng    | # 59   |
| 71) Anthracene                 | 11.40 | 178  | 454      | 0.042  | ng    | # 60   |
| 73) Di-n-butylphthalate        | 11.93 | 149  | 820      | 0.070  | ng    | # 78   |
| 76) Benzidine                  | 12.97 | 184  | 6132     | 1.220  | ng    | # 92   |
| 77) Pyrene                     | 12.97 | 202  | 1475     | 0.165  | ng    | # 49   |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 410      | 0.054  | ng    | # 51   |
| 82) Chrysene                   | 14.04 | 228  | 255      | 0.035  | ng    | # 48   |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 915      | 0.191  | ng    | # 67   |
| 84) Di-n-octyl phthalate       | 14.60 | 149  | 426      | 0.052  | ng    | # 50   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.96 | 276  | 228      | 0.039  | ng    | # 46   |
| 87) Benzo(b)fluoranthene       | 15.06 | 252  | 824      | 0.099  | ng    | # 60   |
| 88) Benzo(k)fluoranthene       | 15.09 | 252  | 549      | 0.070  | ng    | # 59   |
| 89) Benzo(a)pyrene             | 15.49 | 252  | 313      | 0.042  | ng    | # 60   |

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Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

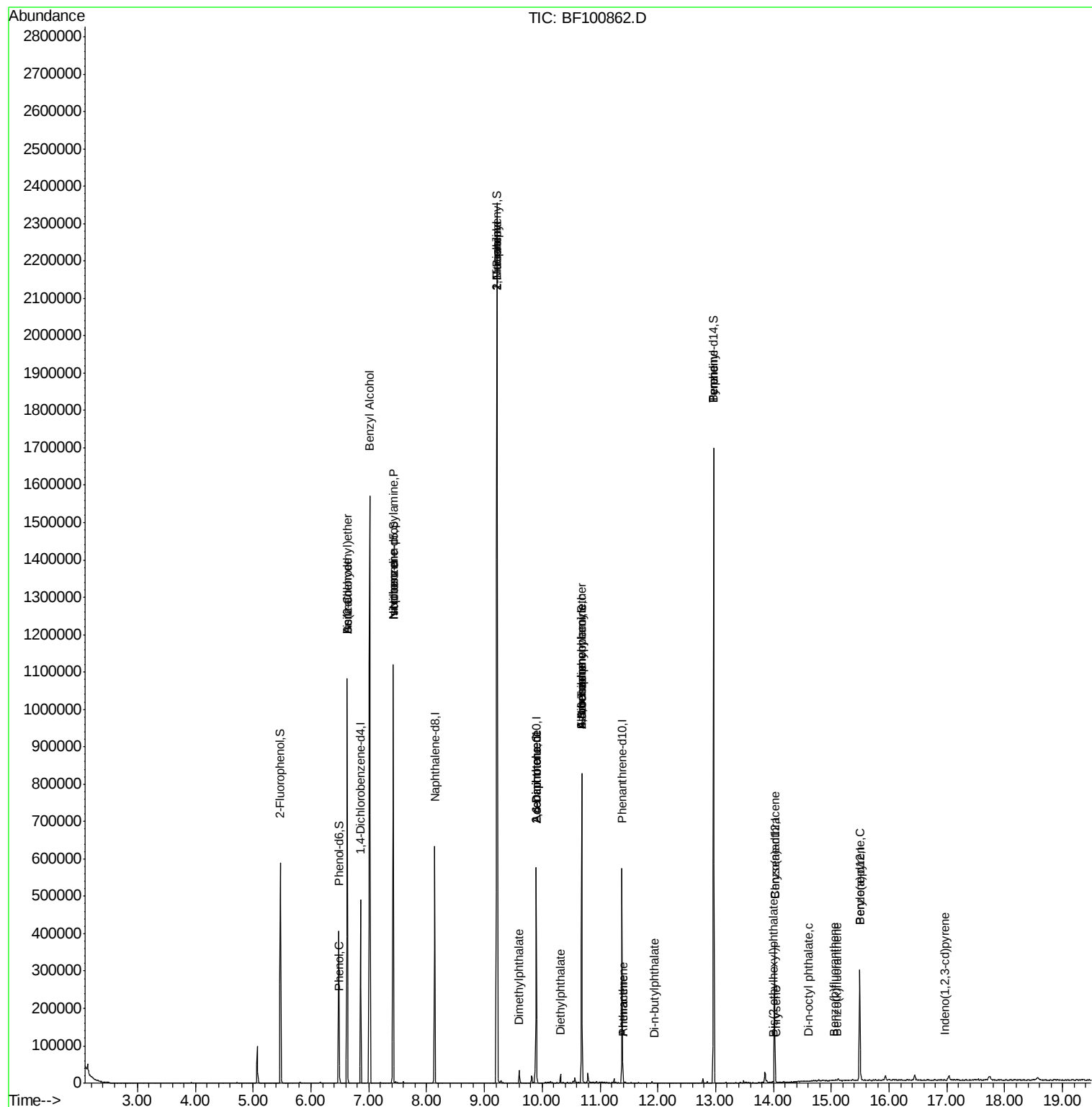
Quant Time: Nov 23 23:51:10 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 17 15:22:08 2017  
Response via : Initial Calibration

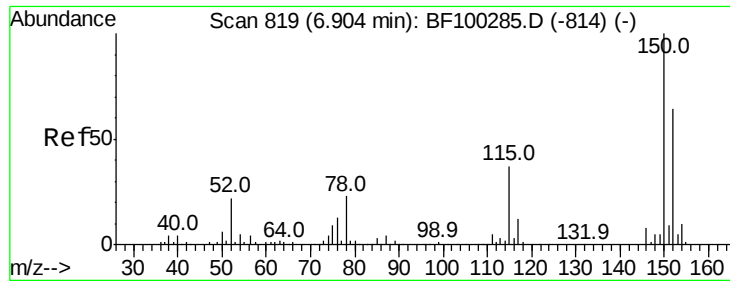
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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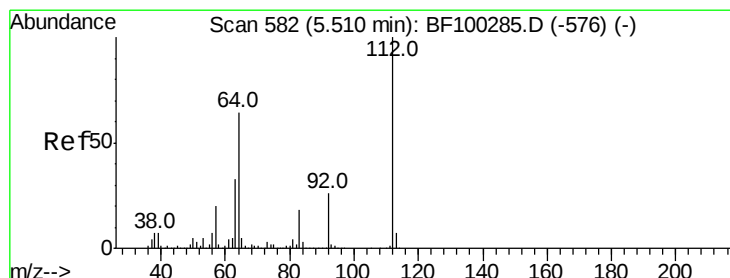
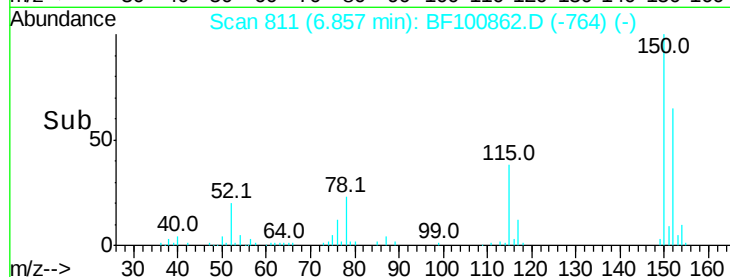
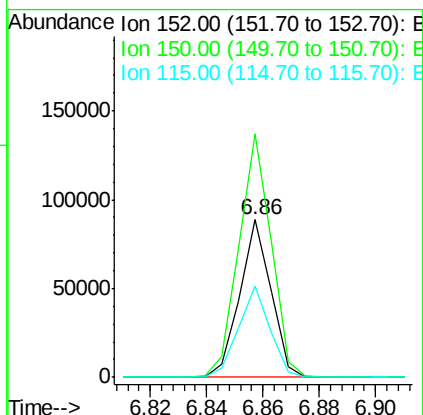
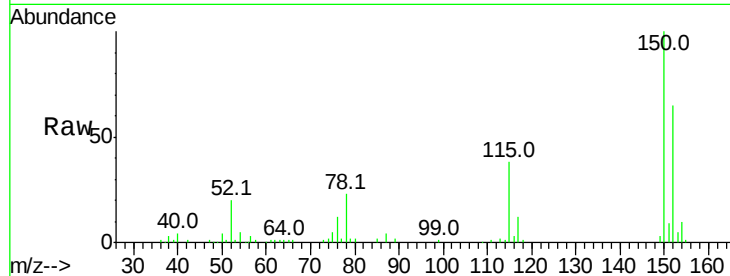


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Instrument :  
BNA\_F  
ClientSampleId :

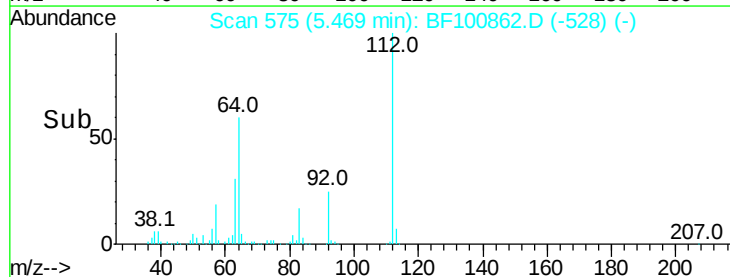
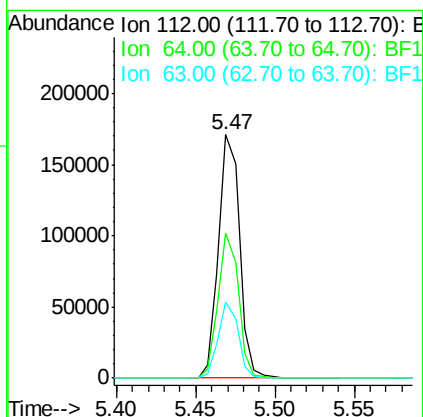
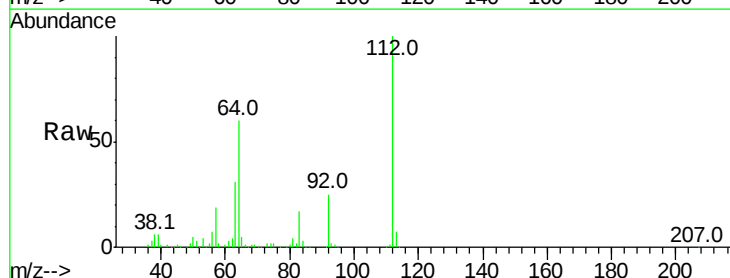
Tot Ion:152 Resp: 67993  
Ion Ratio Lower Upper  
152 100  
150 154.5 124.6 186.8  
115 58.2 50.1 75.1

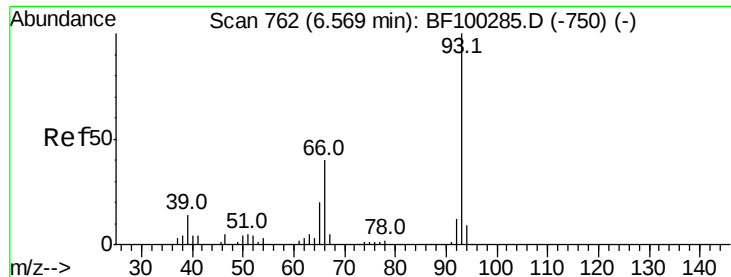


#5

2-Fluorophenol  
Concen: 37.437 ng  
RT: 5.47 min Scan# 575  
Delta R.T. -0.02 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Tgt Ion:112 Resp: 158795  
Ion Ratio Lower Upper  
112 100  
64 59.5 47.9 71.9  
63 31.4 23.7 35.5





#6

Aniline

Concen: 0.032 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.08 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

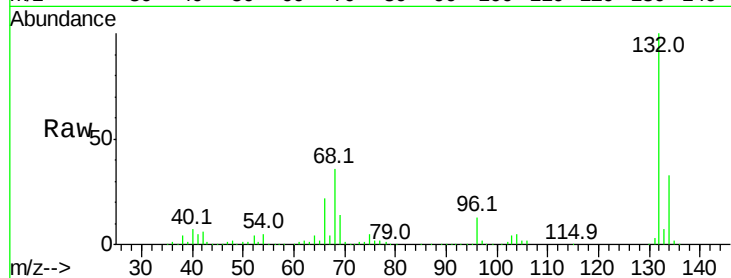
Tot Ion: 93 Resp: 237

Ion Ratio Lower Upper

93 100

66 11113.1 32.2 48.2#

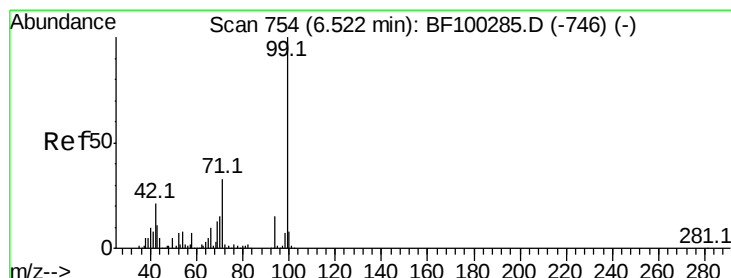
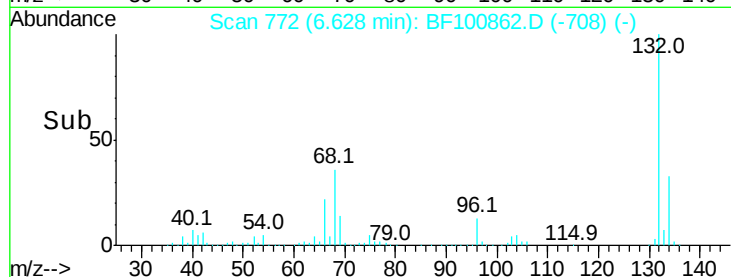
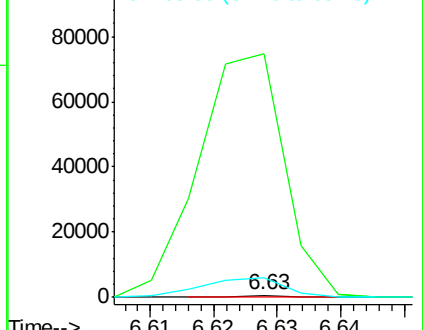
65 893.6 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 23.212 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

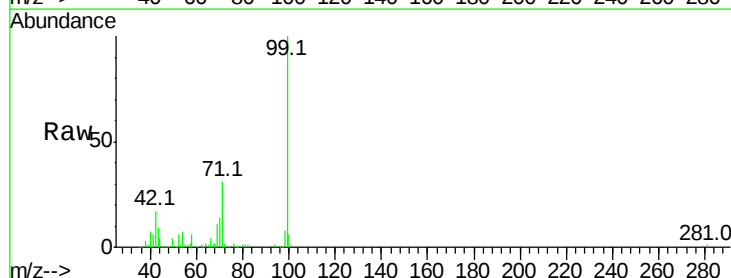
Tgt Ion: 99 Resp: 121408

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

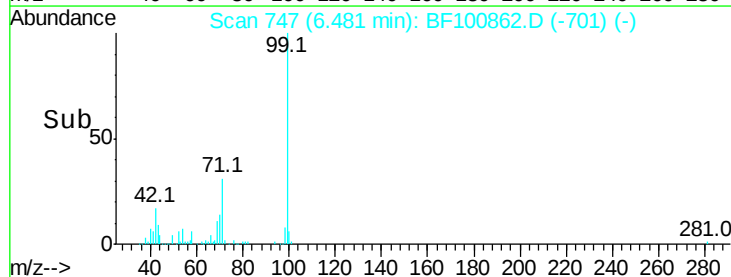
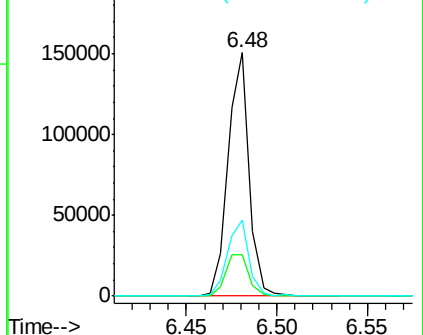
71 31.2 25.4 38.0

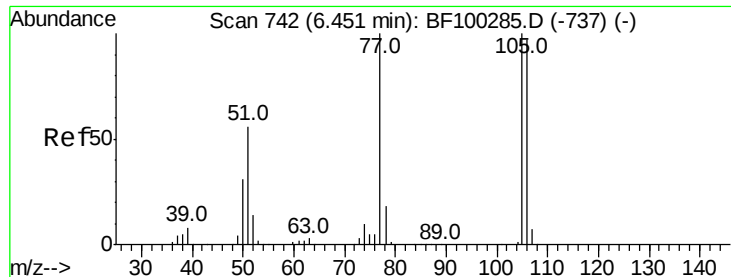


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 1.530 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.19 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

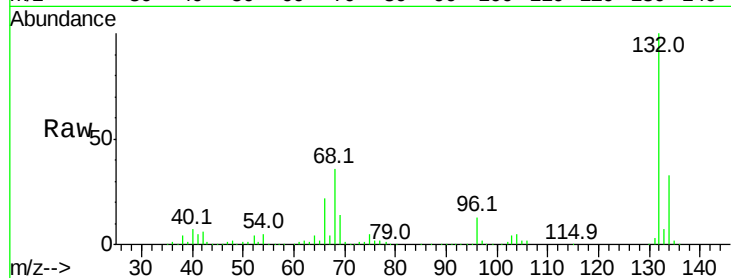
Tot Ion: 77 Resp: 5714

Ion Ratio Lower Upper

77 100

105 84.8 81.1 121.1

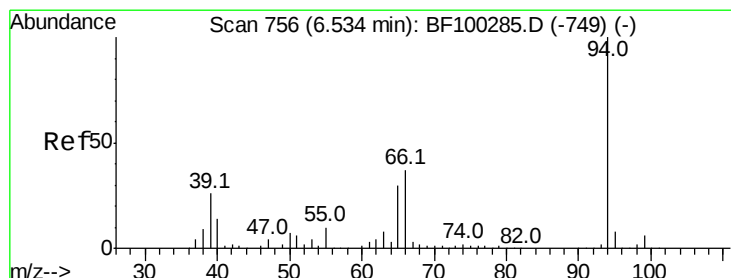
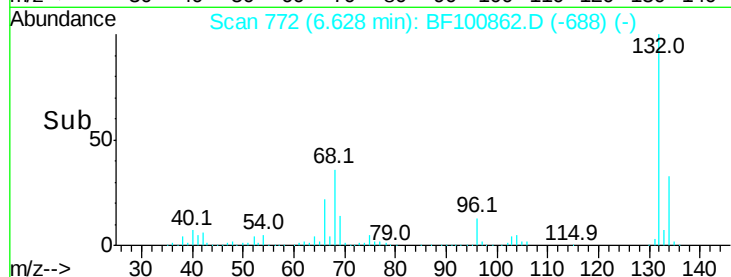
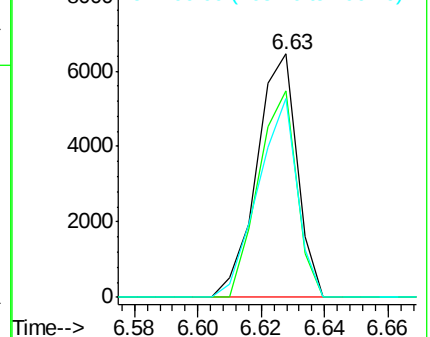
106 81.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 1.719 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

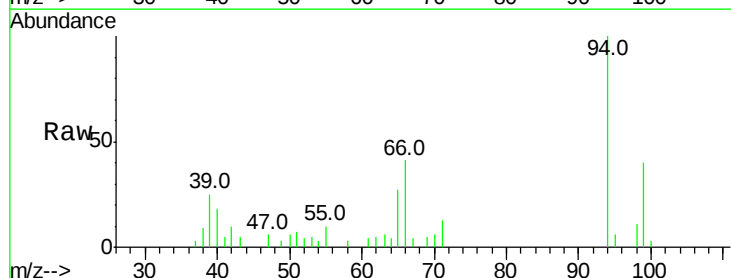
Tgt Ion: 94 Resp: 9437

Ion Ratio Lower Upper

94 100

65 27.1 7.9 47.9

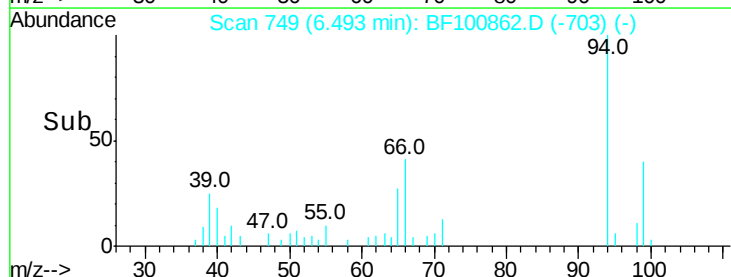
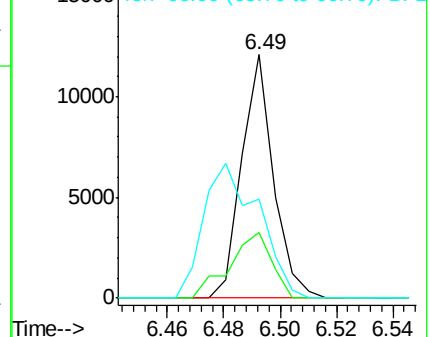
66 40.8 16.2 56.2

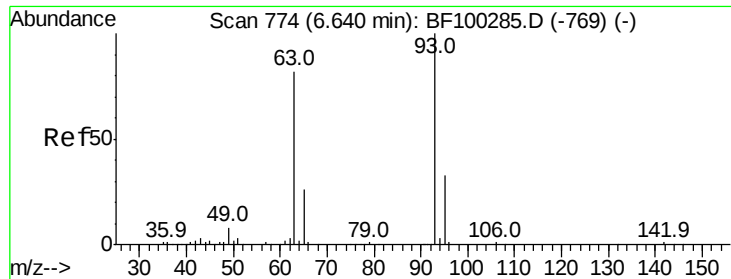


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

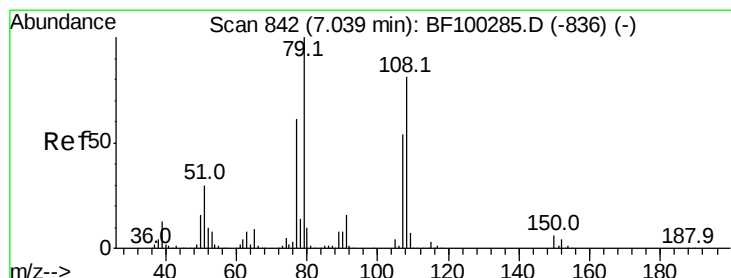
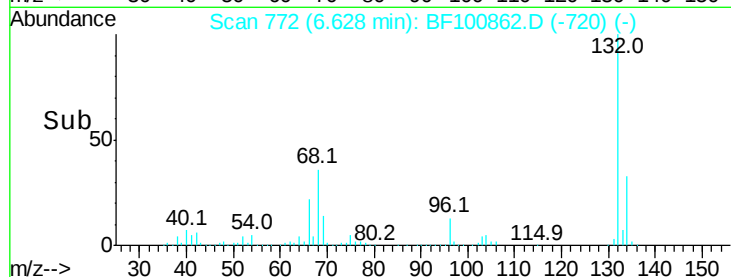
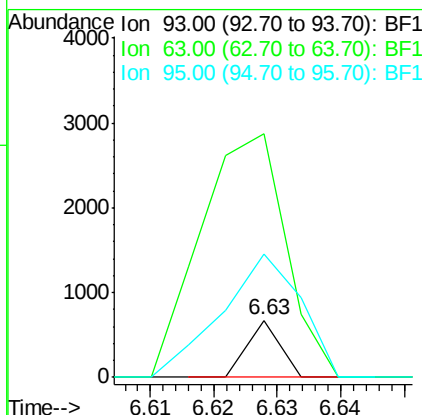
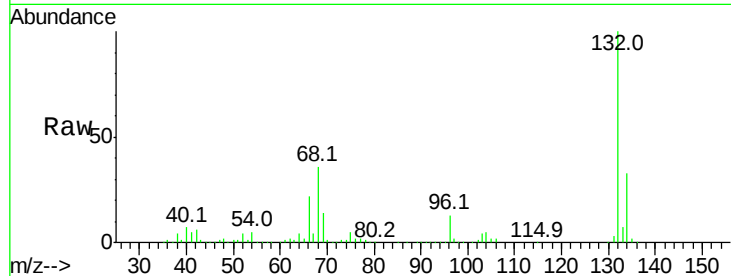




#11  
bis(2-Chloroethyl)ether  
Concen: 0.051 ng  
RT: 6.63 min Scan# 772  
Delta R.T. 0.01 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

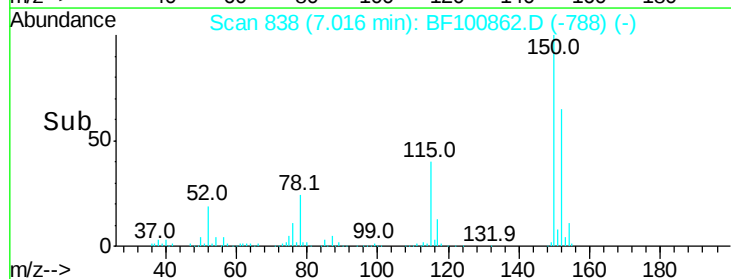
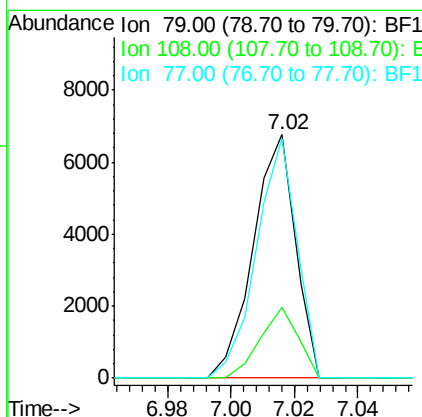
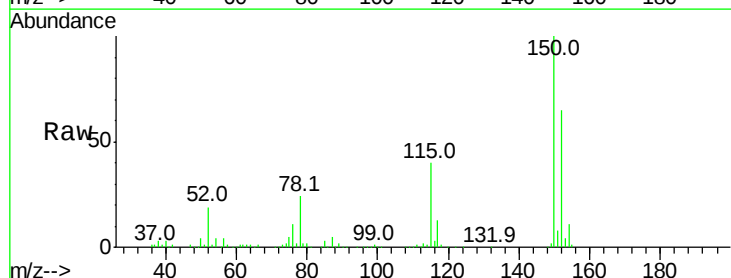
Instrument :  
BNA\_F  
ClientSampleId :

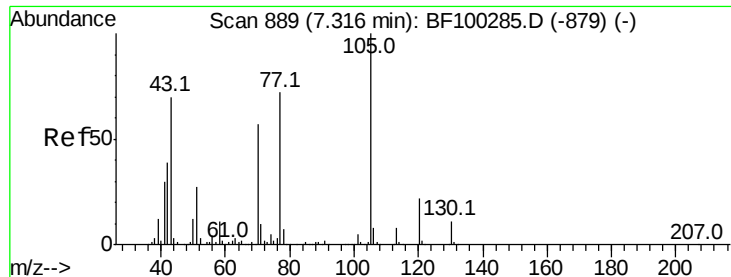
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 237   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 427.2 | 58.6  | 98.6# |
| 95       | 215.8 | 11.8  | 51.8# |



#15  
Benzyl Alcohol  
Concen: 1.533 ng  
RT: 7.02 min Scan# 838  
Delta R.T. -0.01 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 79    | Resp: | 6256  |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 108      | 29.0  | 65.1  | 97.7# |
| 77       | 98.3  | 50.6  | 75.8# |

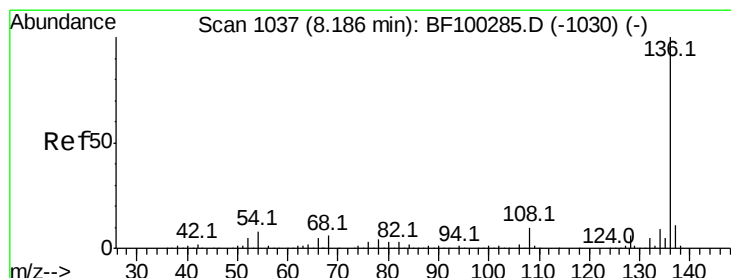
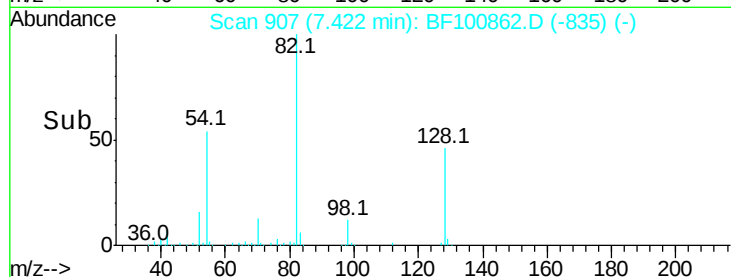
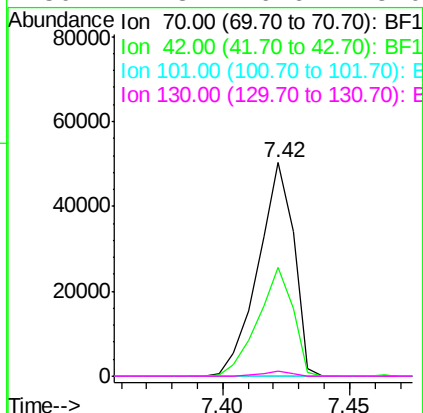
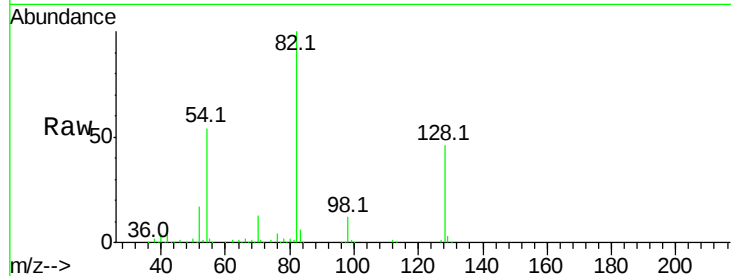




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.681 ng  
RT: 7.42 min Scan# 907  
Delta R.T. 0.12 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

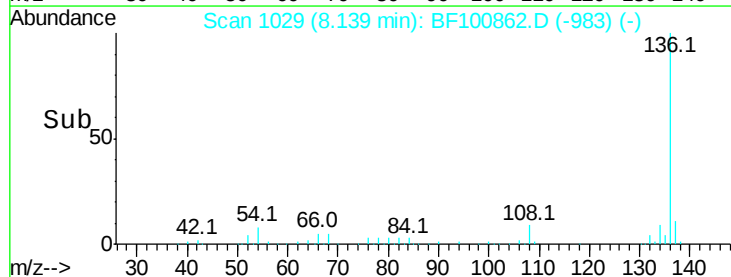
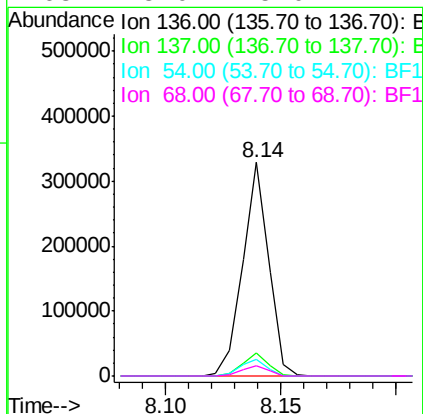
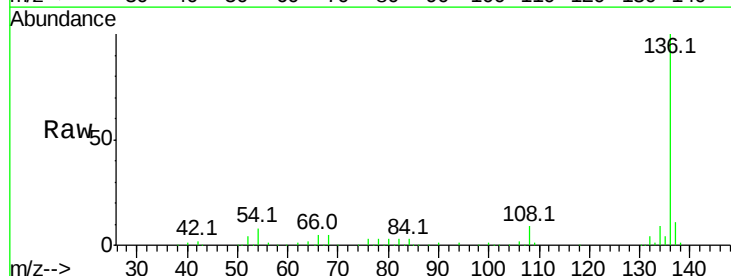
Instrument :  
BNA\_F  
ClientSampleId :

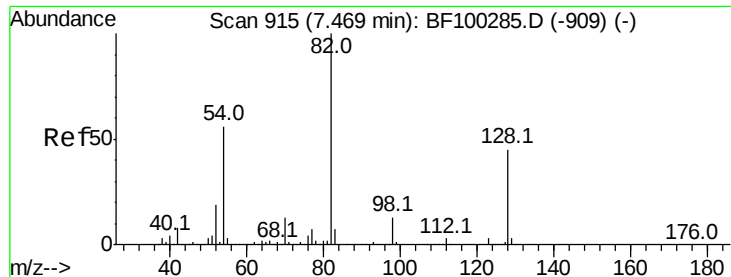
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Ion Ratio Lower Upper  
70 100  
42 51.2 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.3 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.03 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Tgt Ion: 136 Resp: 259000  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.9 13.3  
54 7.9 6.6 9.8  
68 5.0 5.0 7.4

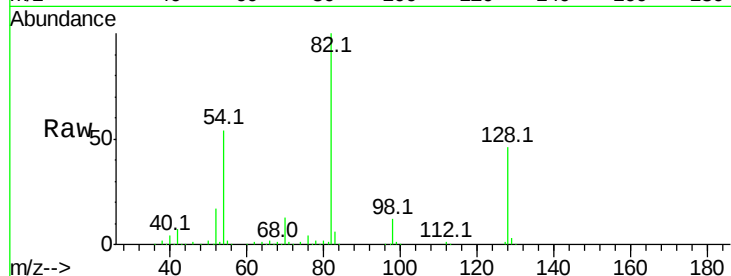




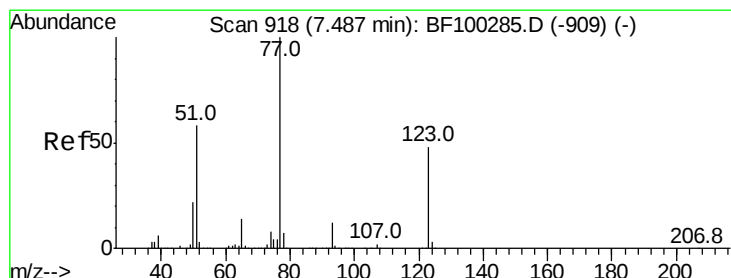
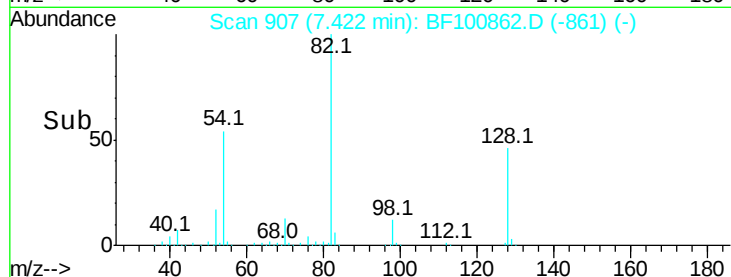
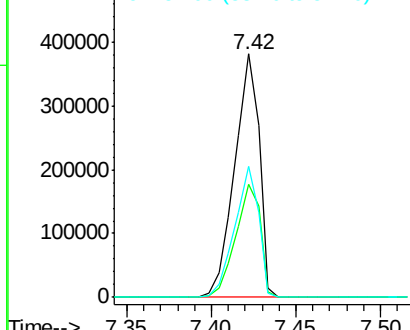
#23  
Nitrobenzene-d5  
Concen: 98.606 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.03 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 82 Resp: 386292  
Ion Ratio Lower Upper  
82 100  
128 46.4 36.1 54.1  
54 54.0 41.4 62.2

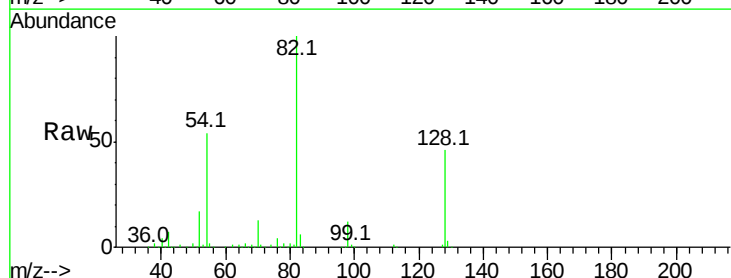


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF1

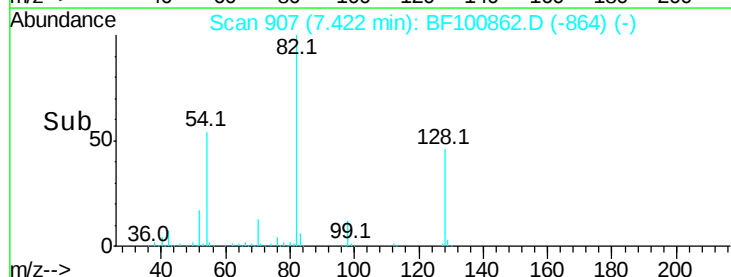
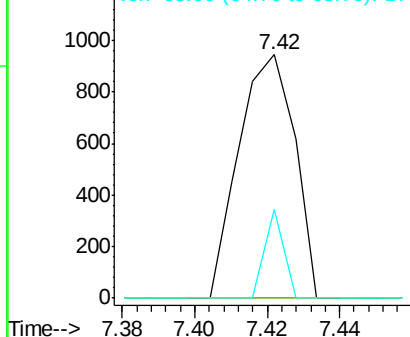


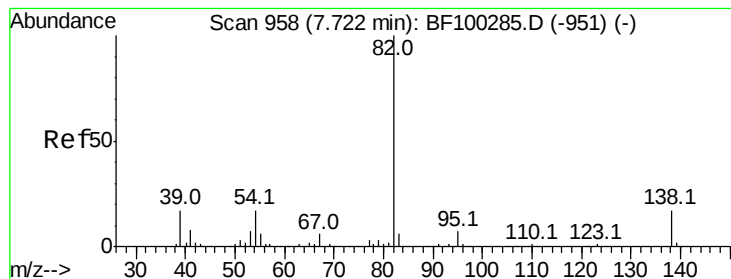
#24  
Nitrobenzene  
Concen: 0.250 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.05 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Tgt Ion: 77 Resp: 1007  
Ion Ratio Lower Upper  
77 100  
123 0.0 37.9 56.9#  
65 36.5 11.0 16.4#



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





#25

Isophorone

Concen: 46.923 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

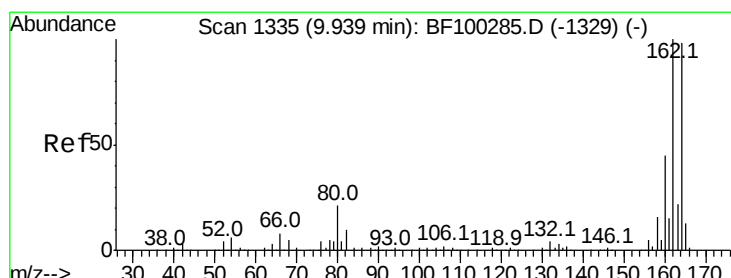
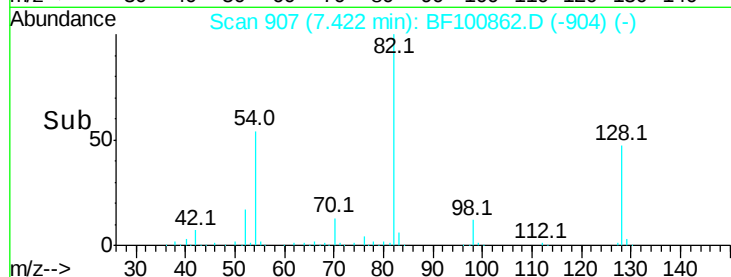
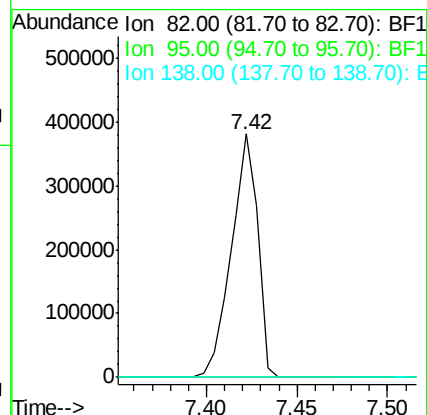
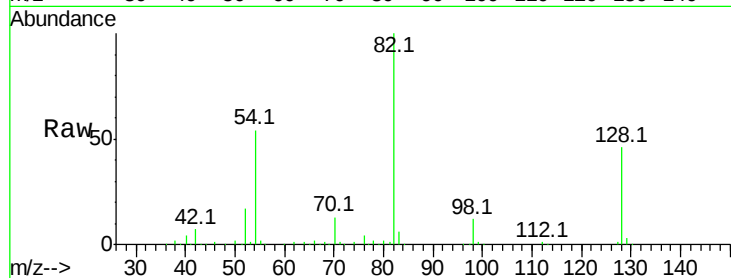
Tot Ion: 82 Resp: 386287

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.03 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

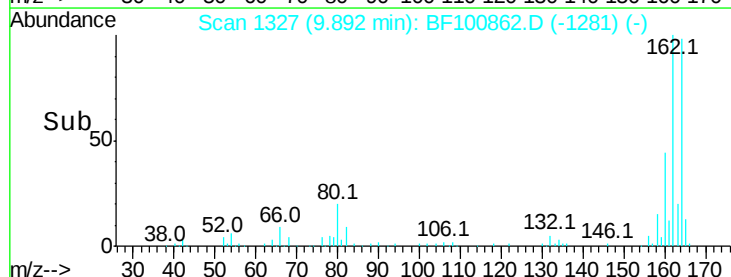
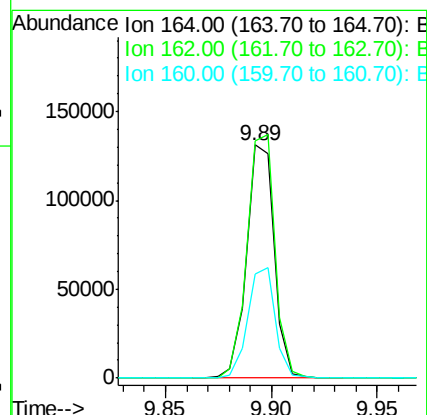
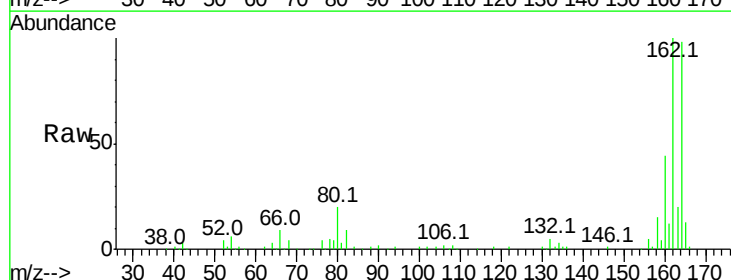
Tgt Ion:164 Resp: 118893

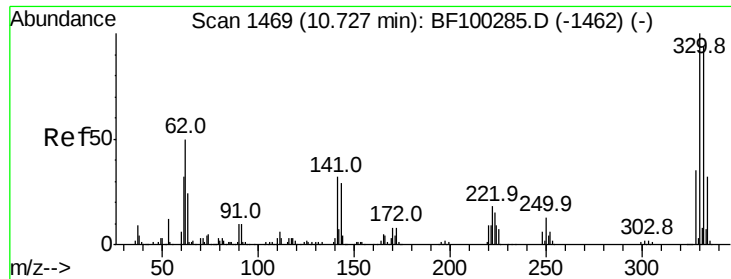
Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

160 44.8 38.3 57.5

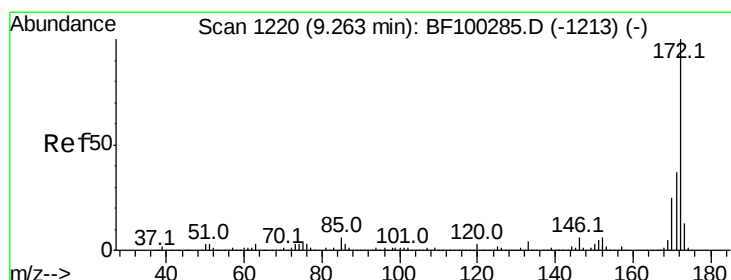
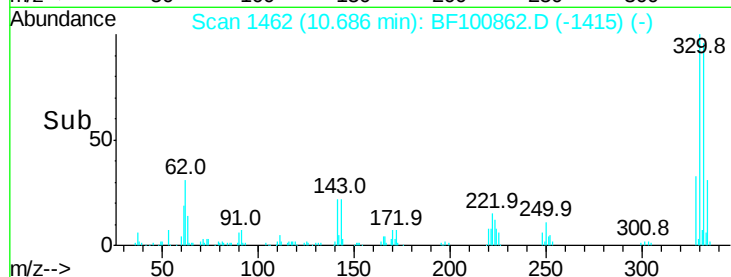
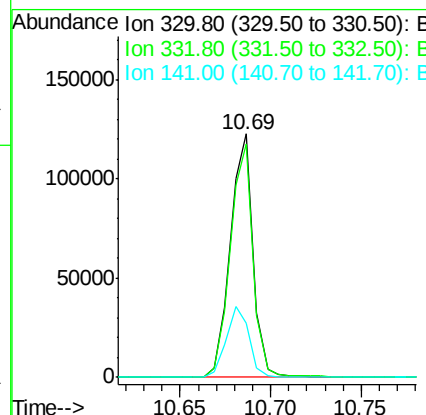
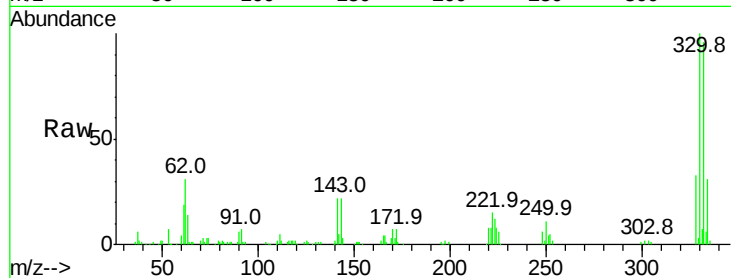




#41  
 2,4,6-Tribromophenol  
 Concen: 88.368 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.02 min  
 Lab File: BF100862.D  
 Acq: 23 Nov 2017 9:20

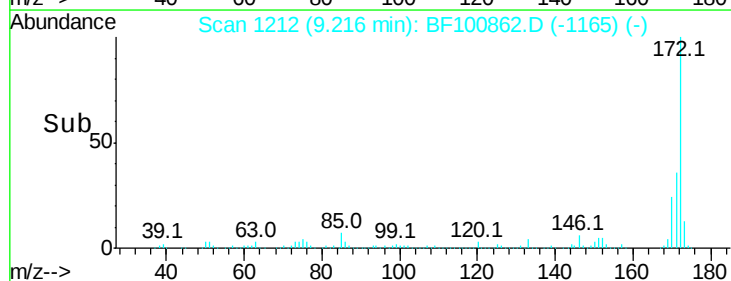
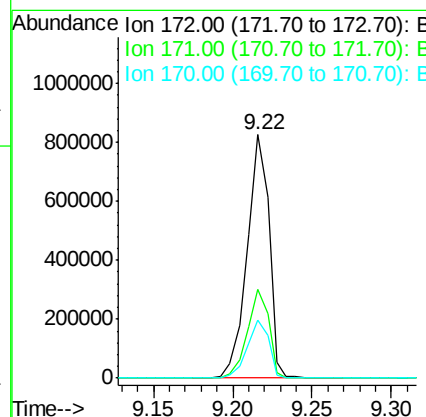
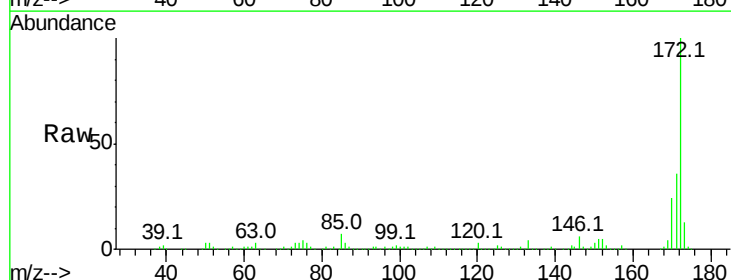
Instrument :  
 BNA\_F  
 ClientSampleId :

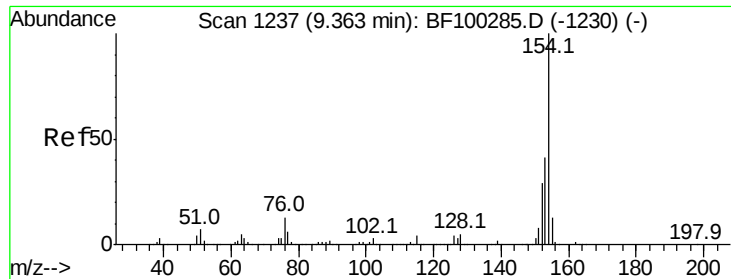
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 29.2  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 100.932 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.02 min  
 Lab File: BF100862.D  
 Acq: 23 Nov 2017 9:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.1  | 19.6  | 29.4  |





#45

1,1'-Biphenyl

Concen: 0.125 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.13 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

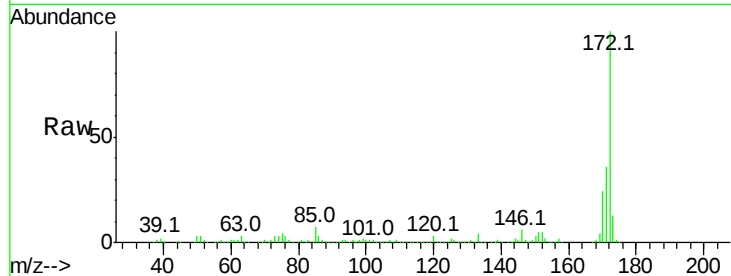
Tot Ion:154 Resp: 1288

Ion Ratio Lower Upper

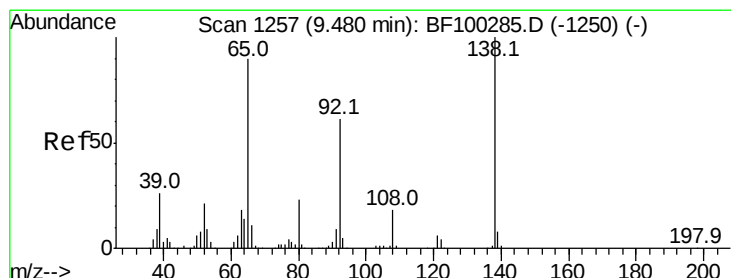
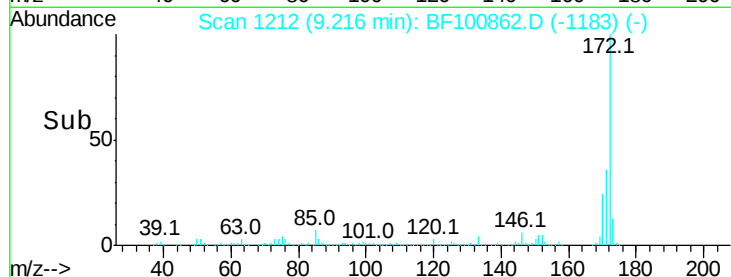
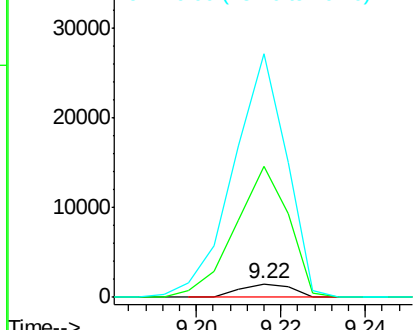
154 100

153 966.4 21.3 61.3#

76 1788.5 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



#47

2-Nitroaniline

Concen: 3.248 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.25 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

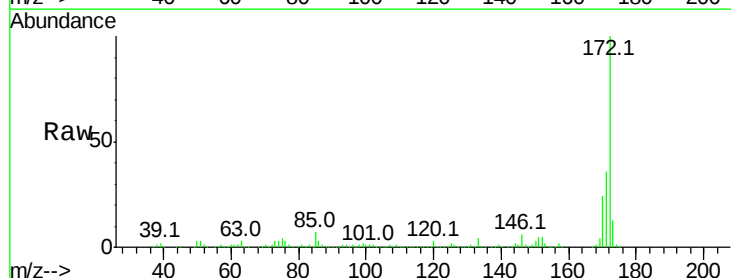
Tgt Ion: 65 Resp: 1086

Ion Ratio Lower Upper

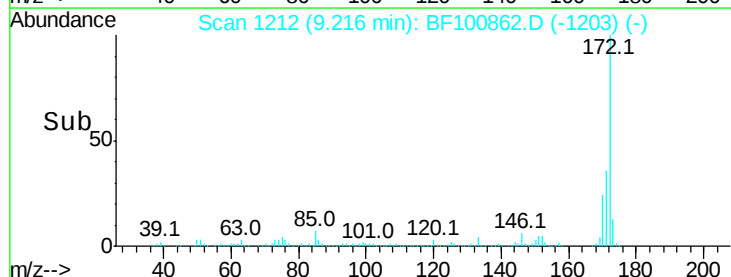
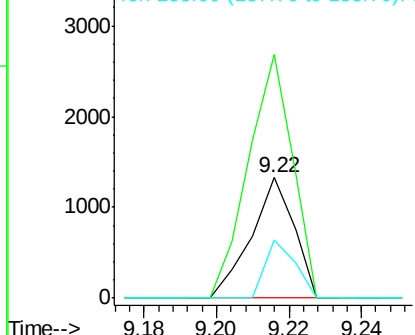
65 100

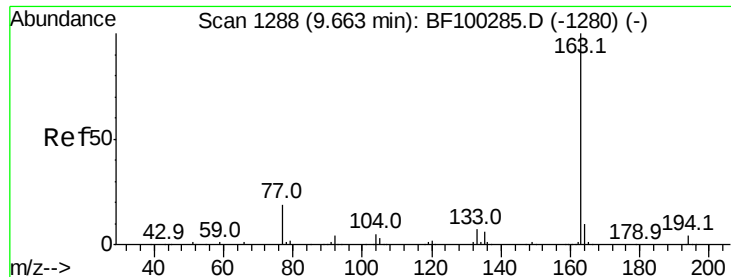
92 201.9 55.8 83.6#

138 47.7 91.2 136.8#



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

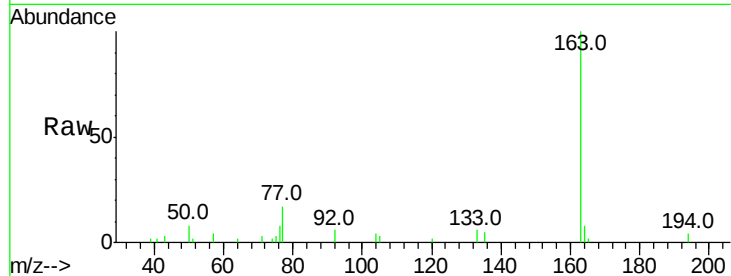




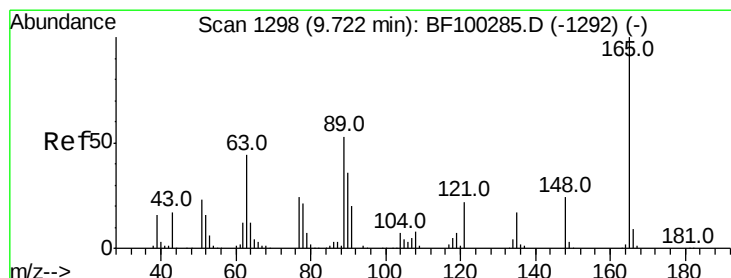
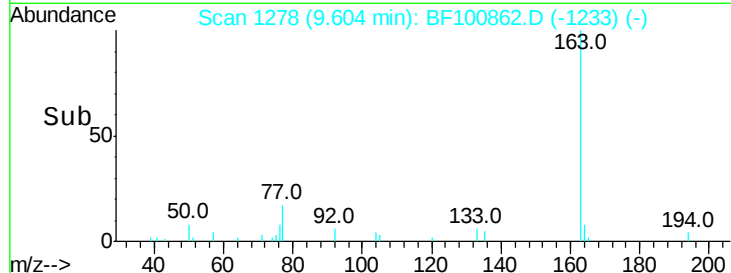
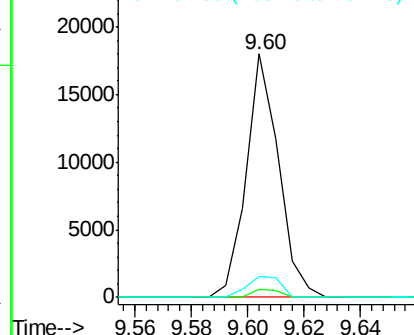
#49  
Dimethylphthalate  
Concen: 1.583 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.04 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 2.7   | 4.1   |
| 164     | 8.5   | 8.2   | 12.2  |

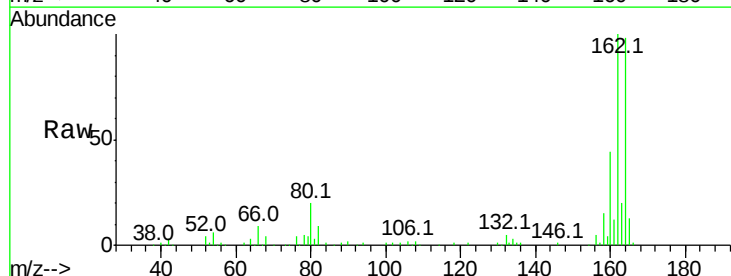


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

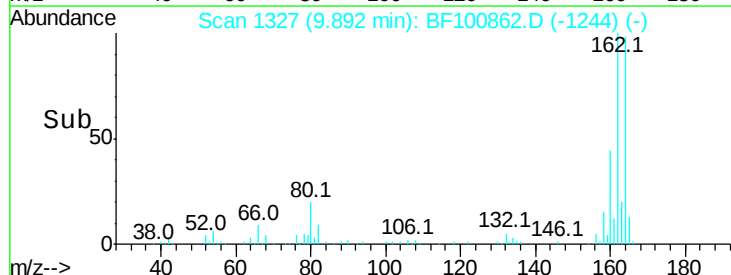
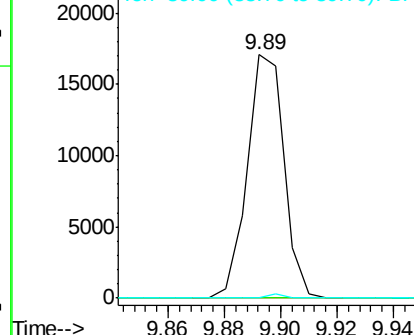


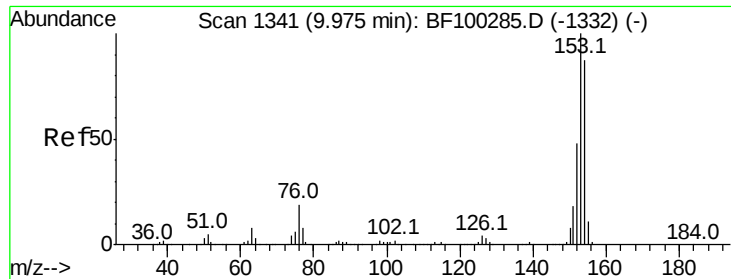
#50  
2,6-Dinitrotoluene  
Concen: 8.574 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.19 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 0.0   | 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: 0.049 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.06 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

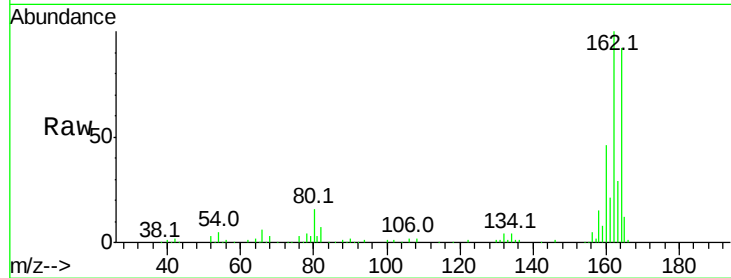
Tot Ion:154 Resp: 366

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

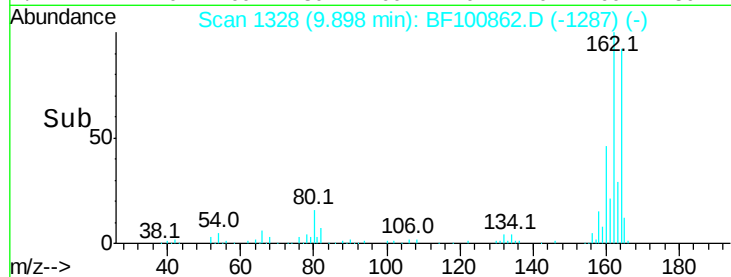
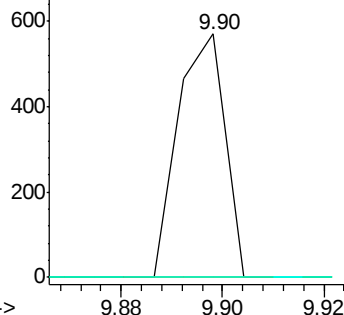
152 0.0 43.8 65.8#



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



#56

2,4-Dinitrotoluene

Concen: 6.796 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.22 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Tgt Ion:165 Resp: 15406

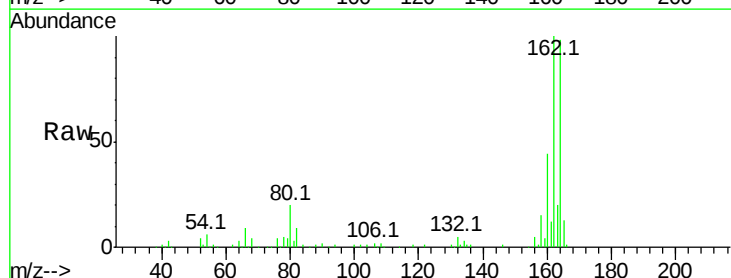
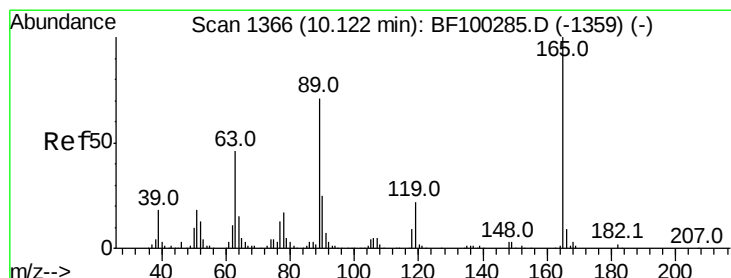
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

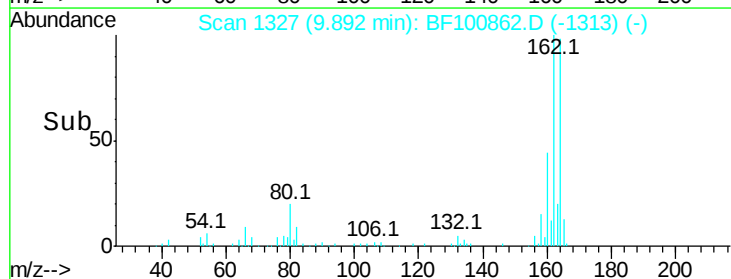
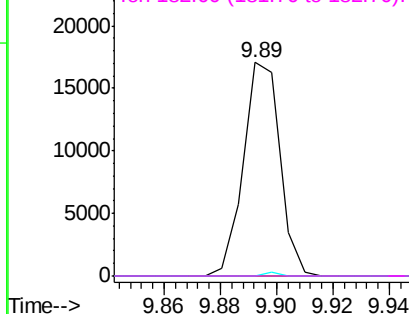


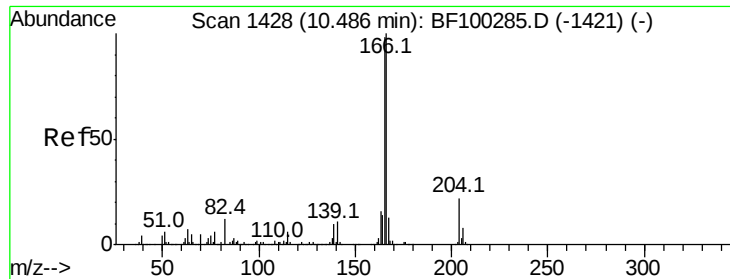
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 0.628 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.21 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

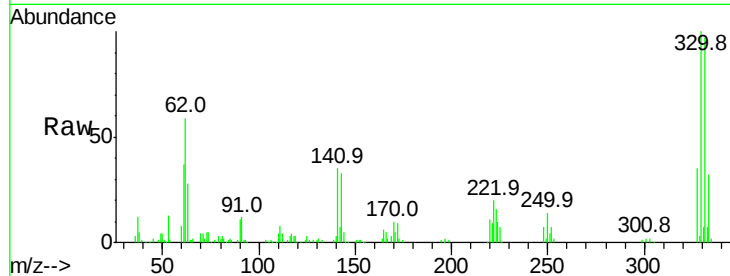
Tot Ion:166 Resp: 4845

Ion Ratio Lower Upper

166 100

165 103.9 79.8 119.8

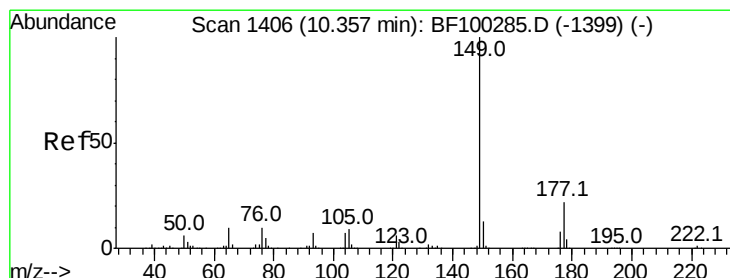
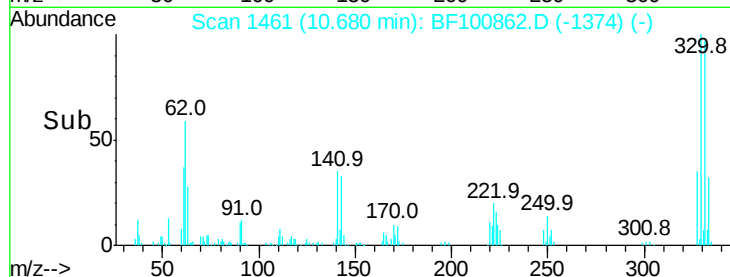
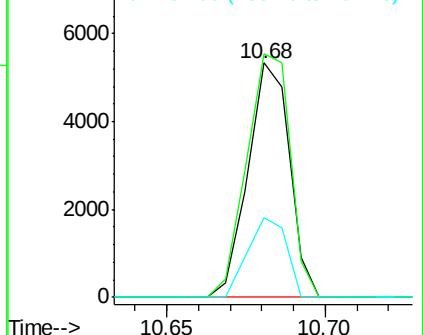
167 34.1 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.191 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.04 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

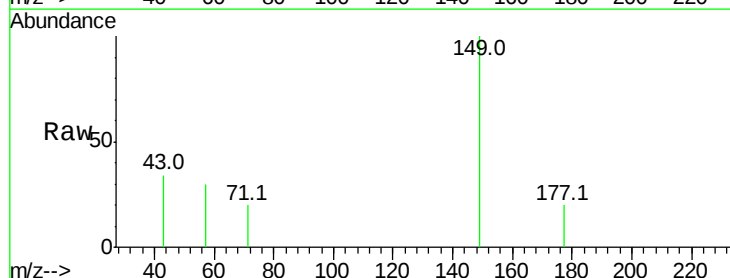
Tgt Ion:149 Resp: 1731

Ion Ratio Lower Upper

149 100

177 19.6 16.1 24.1

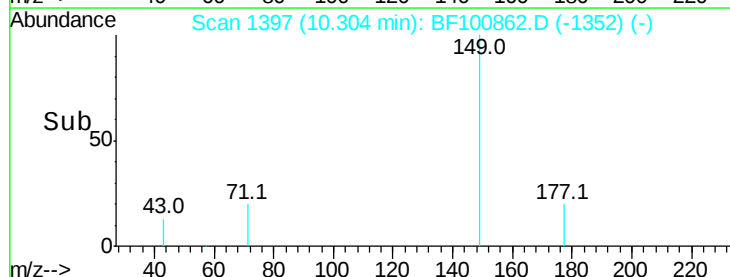
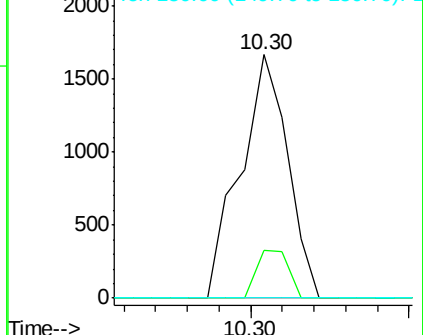
150 0.0 10.1 15.1#

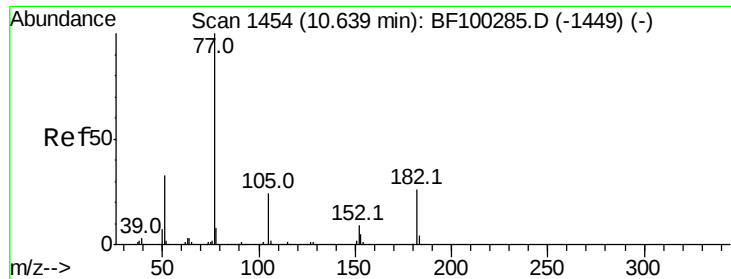


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.058 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.06 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 77 Resp: 500

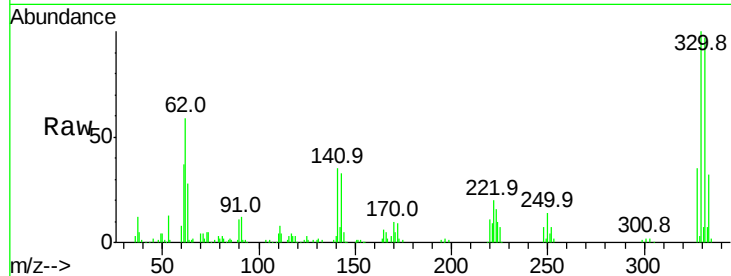
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 79.7 3.0 43.0#

51 96.6 9.9 49.9#

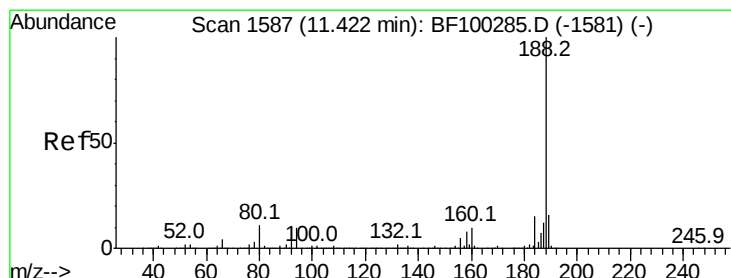
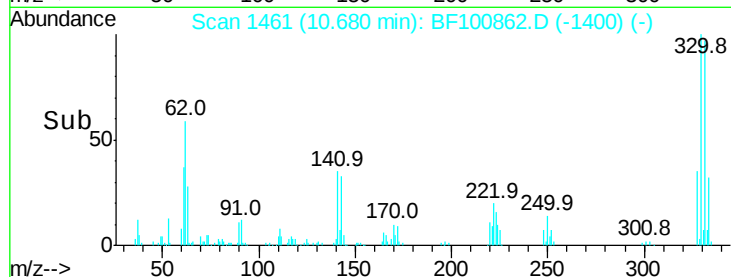
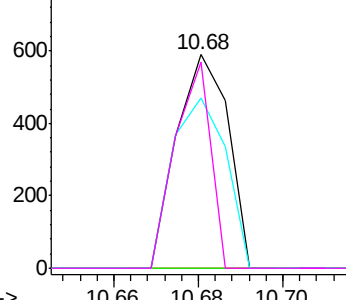


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

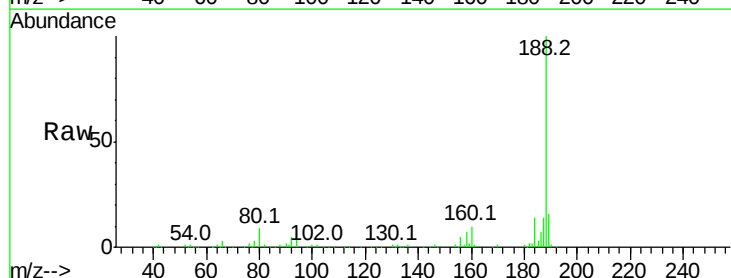
Tgt Ion: 188 Resp: 201768

Ion Ratio Lower Upper

188 100

94 8.3 8.5 12.7#

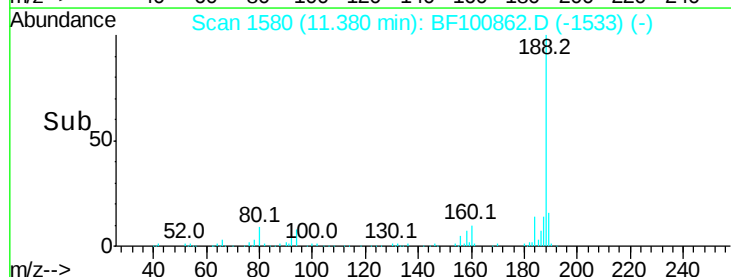
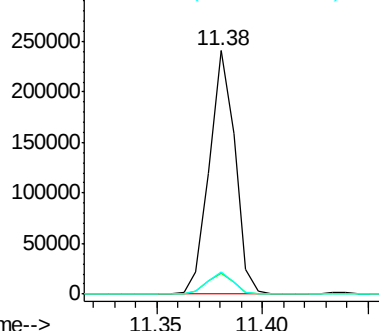
80 9.3 9.2 13.8

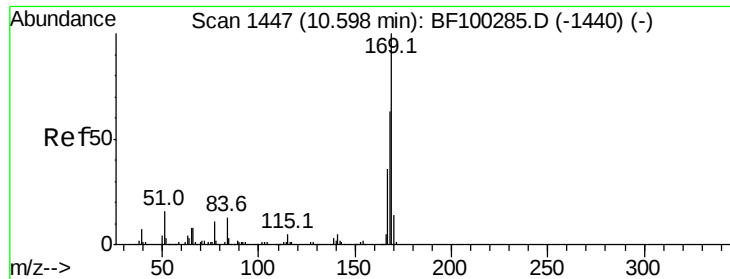


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

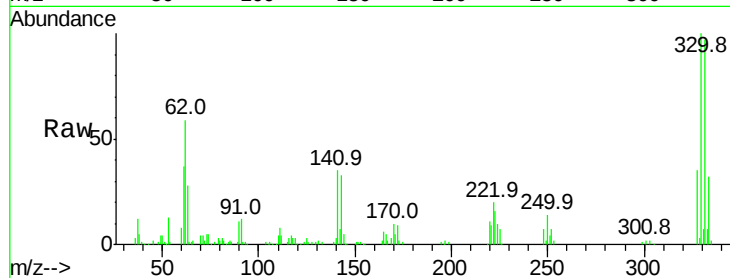




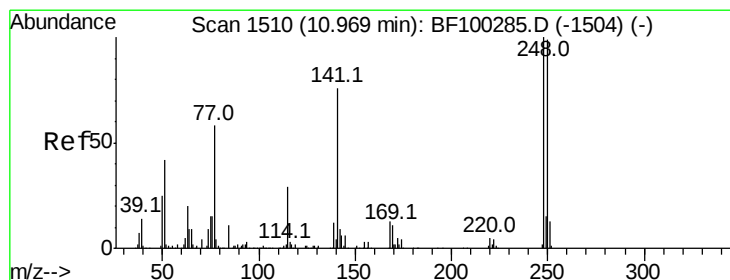
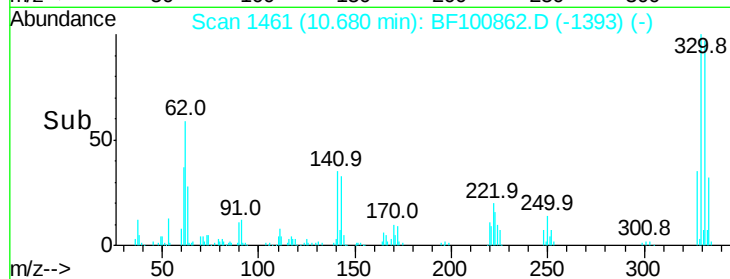
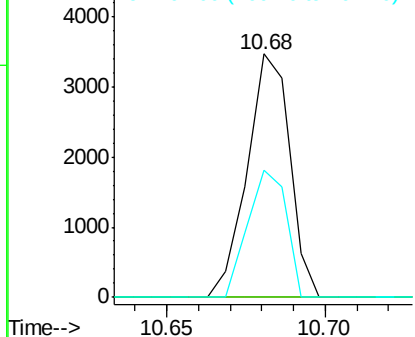
#65  
 n-Nitrosodiphenylamine  
 Concen: 0.462 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. 0.10 min  
 Lab File: BF100862.D  
 Acq: 23 Nov 2017 9:20

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:169 Resp: 3239  
 Ion Ratio Lower Upper  
 169 100  
 168 0.0 54.4 81.6#  
 167 52.4 29.8 44.6#

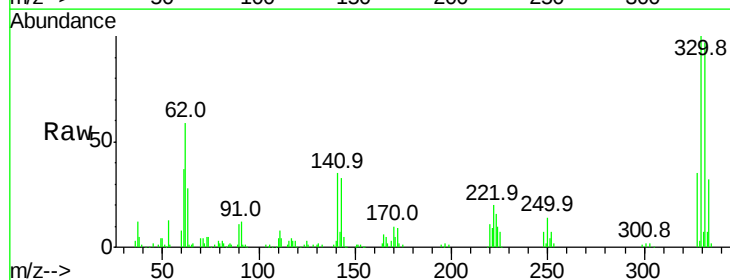


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

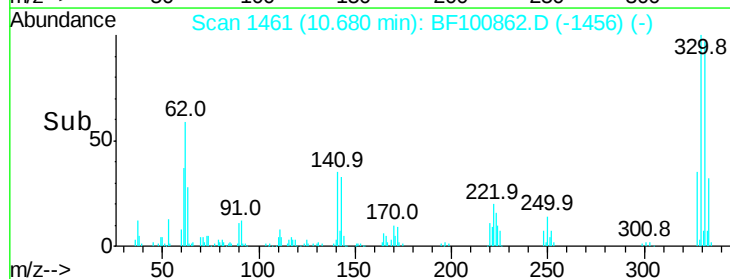
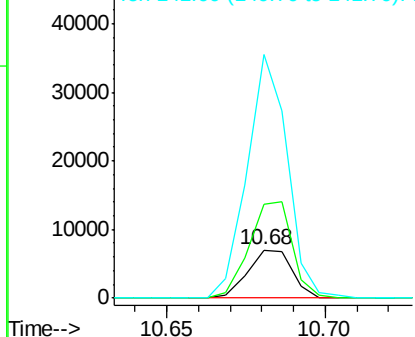


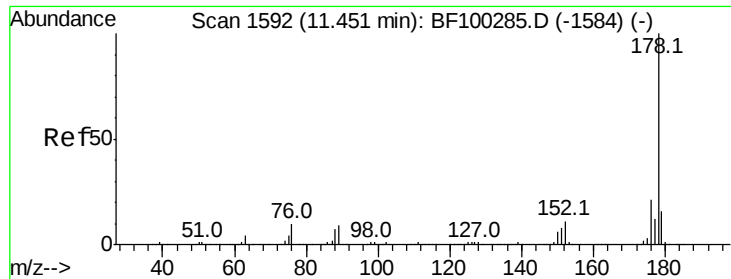
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.120 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.27 min  
 Lab File: BF100862.D  
 Acq: 23 Nov 2017 9:20

Tgt Ion:248 Resp: 6748  
 Ion Ratio Lower Upper  
 248 100  
 250 196.8 76.9 115.3#  
 141 507.3 74.4 111.6#



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





#70

Phenanthrene

Concen: 0.043 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

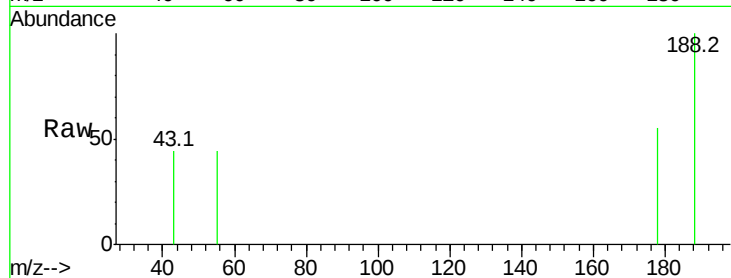
Tot Ion:178 Resp: 454

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

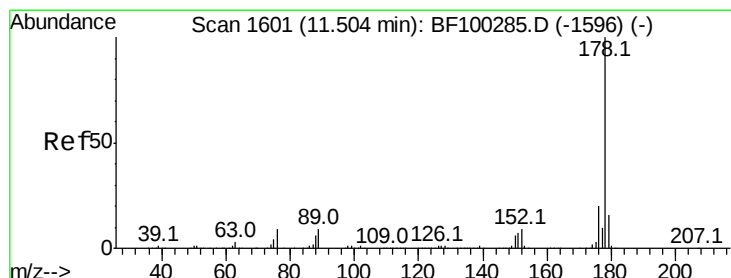
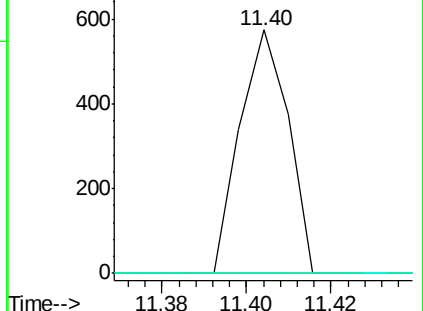
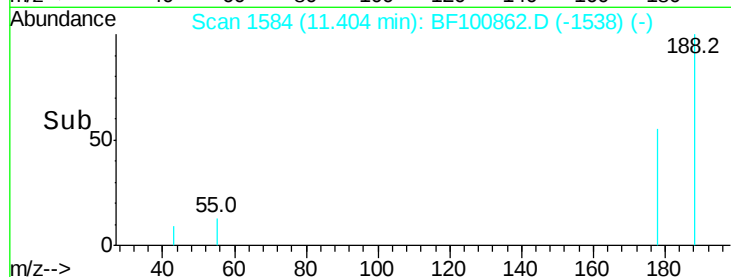
179 0.0 13.0 19.6#



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: 0.042 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.08 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

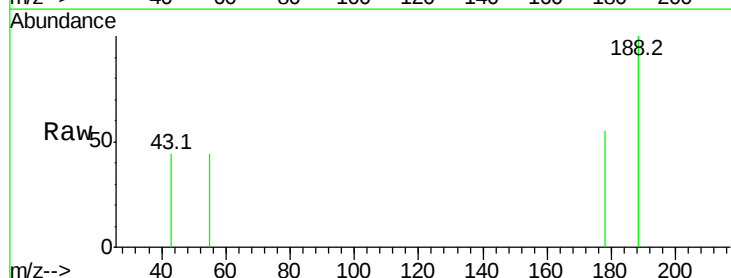
Tgt Ion:178 Resp: 454

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

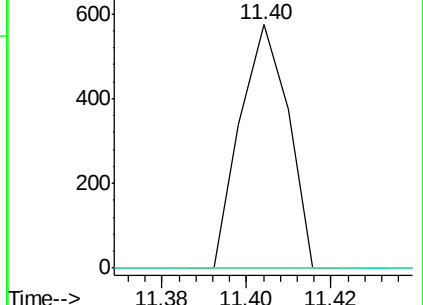
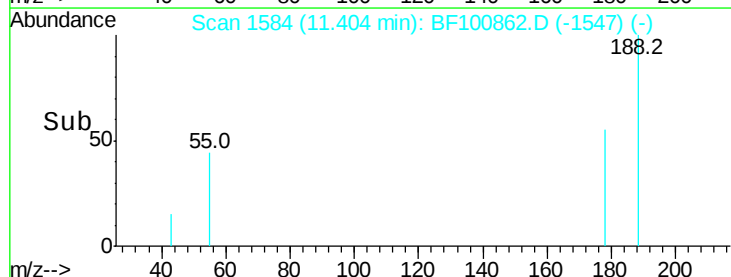
179 0.0 12.6 19.0#

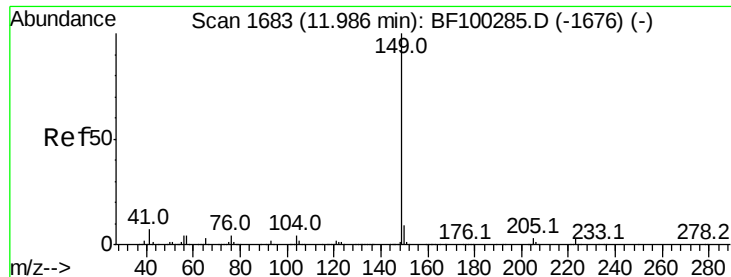


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 0.070 ng

RT: 11.93 min Scan# 1674

Delta R.T. -0.03 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

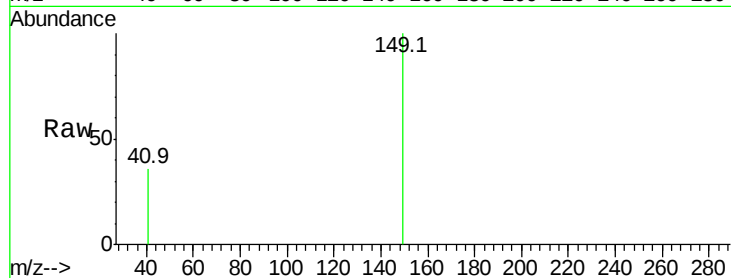
Tot Ion:149 Resp: 820

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

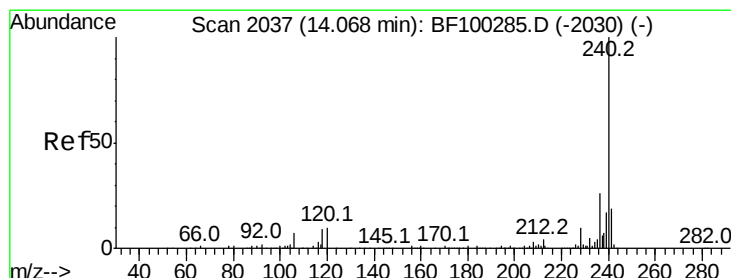
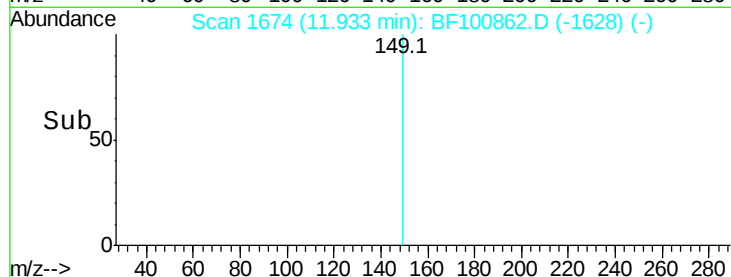
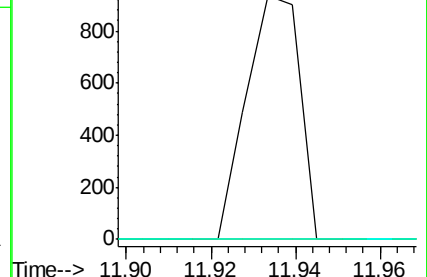
104 0.0 3.8 5.8#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

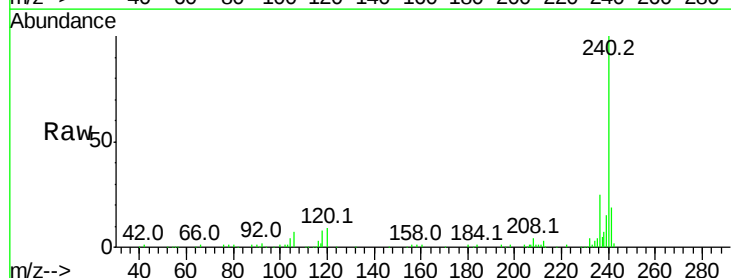
Tgt Ion:240 Resp: 125519

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

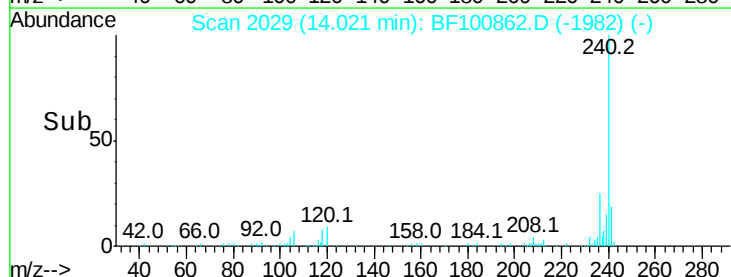
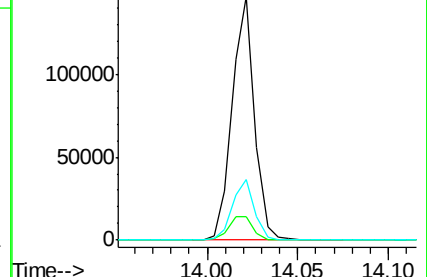
236 25.1 20.7 31.1

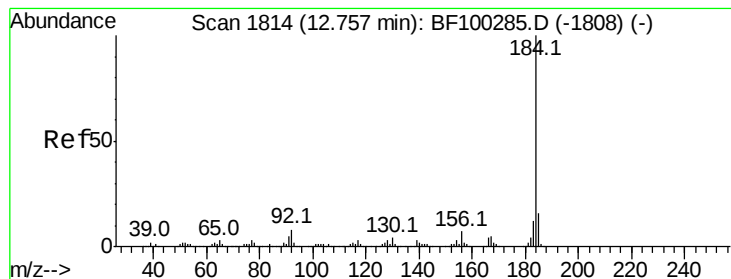


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 1.220 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.23 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

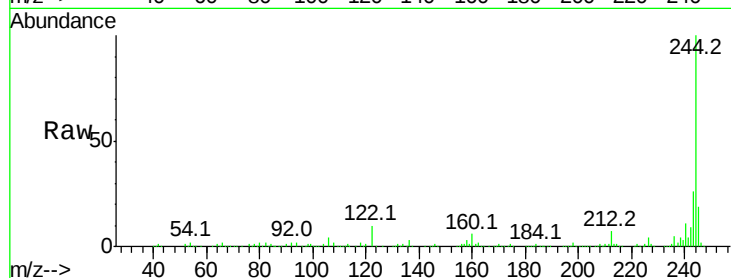
Tot Ion:184 Resp: 6132

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

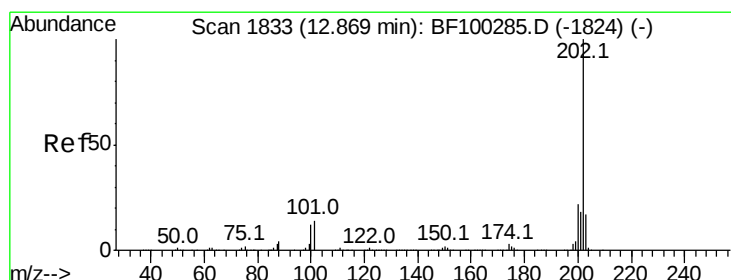
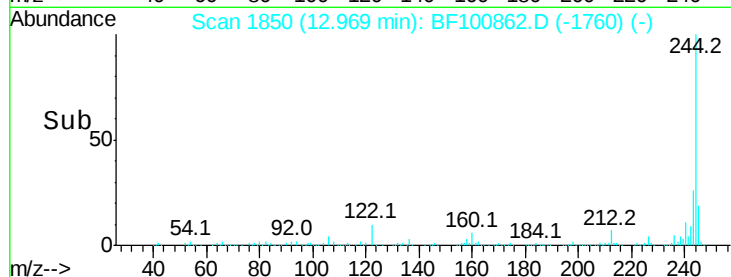
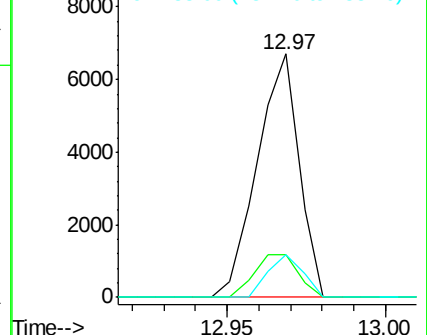
183 17.3 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.165 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.12 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

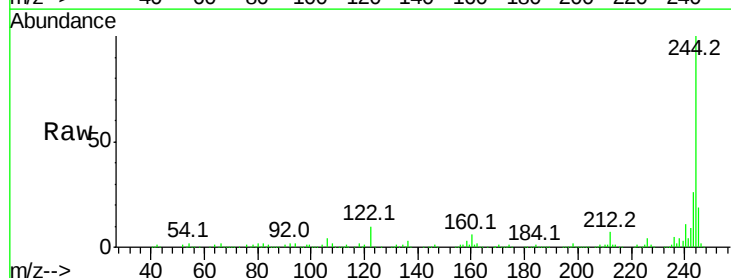
Tgt Ion:202 Resp: 1475

Ion Ratio Lower Upper

202 100

200 55.7 17.4 26.2#

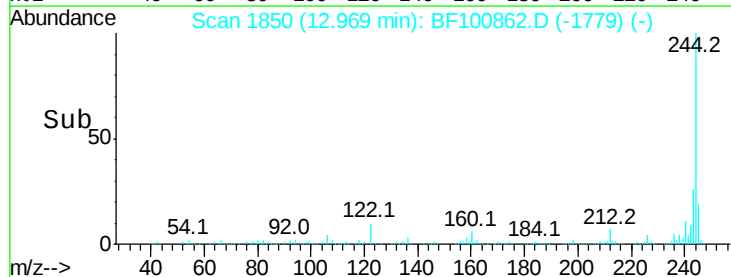
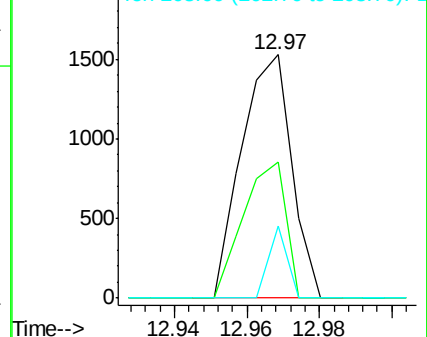
203 29.7 14.3 21.5#

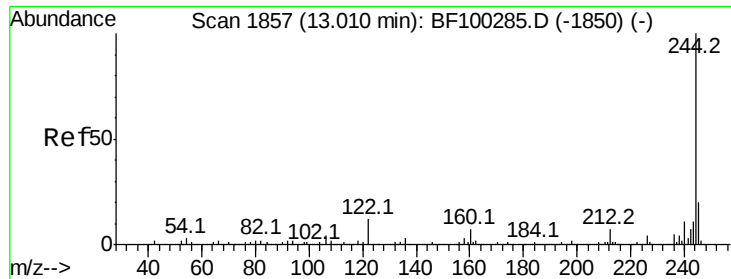


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 97.482 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampleId :

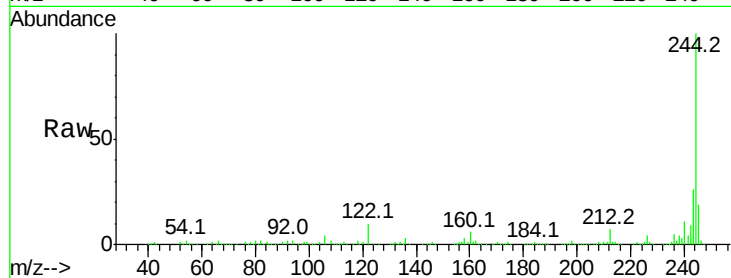
Tot Ion:244 Resp: 532523

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

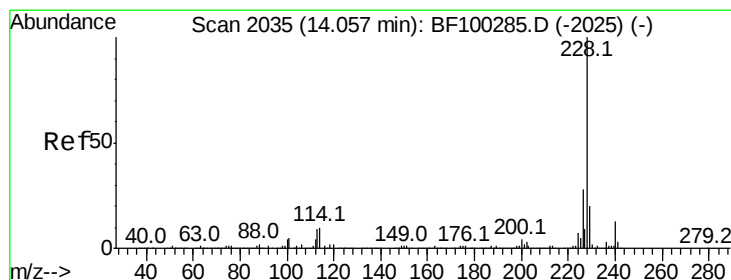
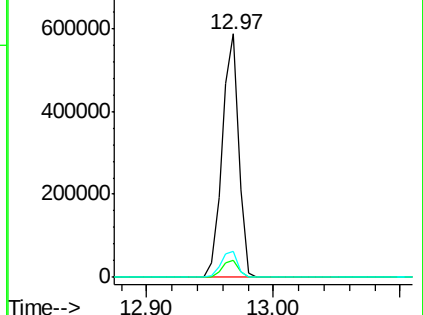
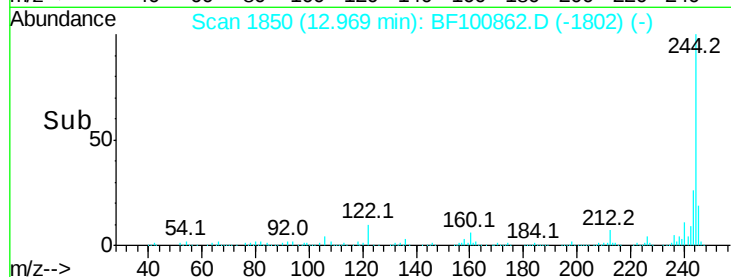
122 10.4 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 0.054 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

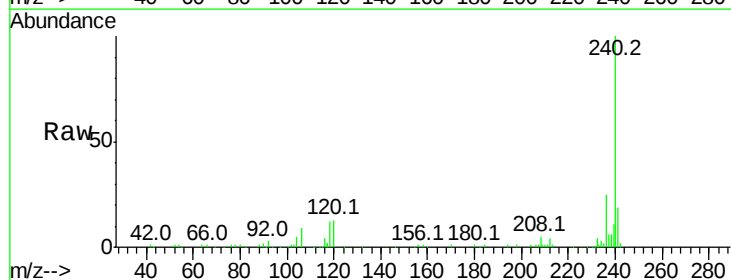
Tgt Ion:228 Resp: 410

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

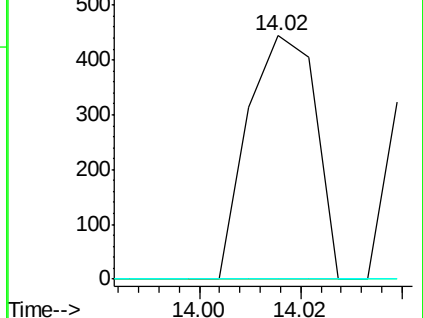
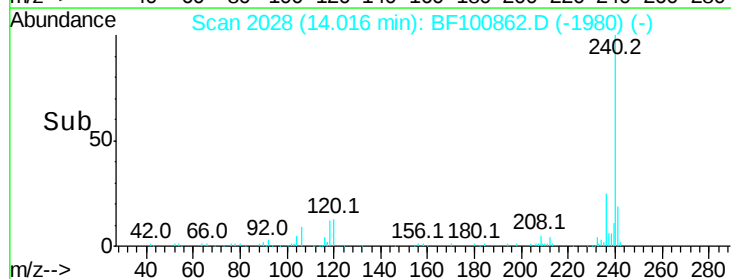
229 0.0 15.8 23.6#

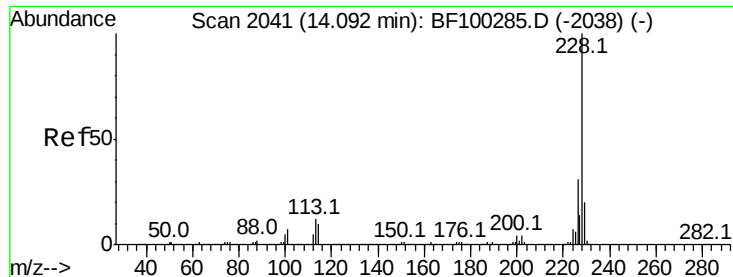


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.035 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.03 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

Instrument :

BNA\_F

ClientSampled :

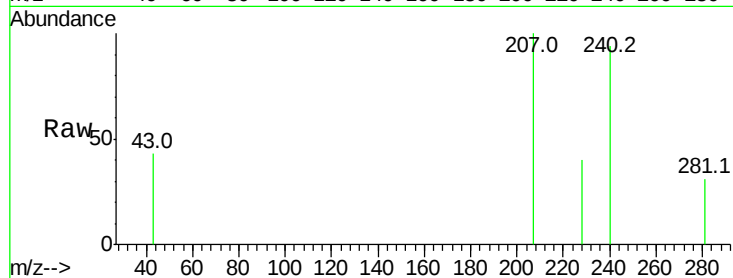
Tot Ion:228 Resp: 255

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

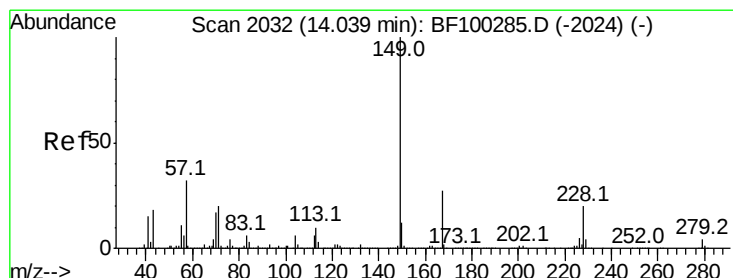
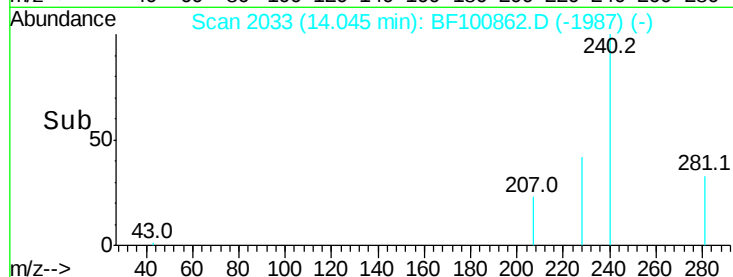
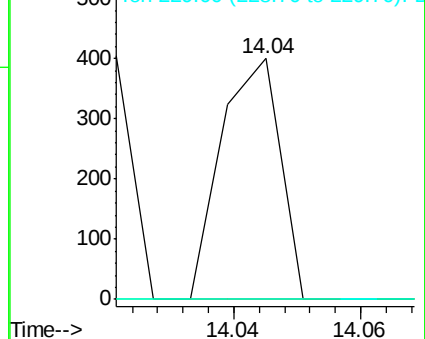
229 0.0 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.191 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF100862.D

Acq: 23 Nov 2017 9:20

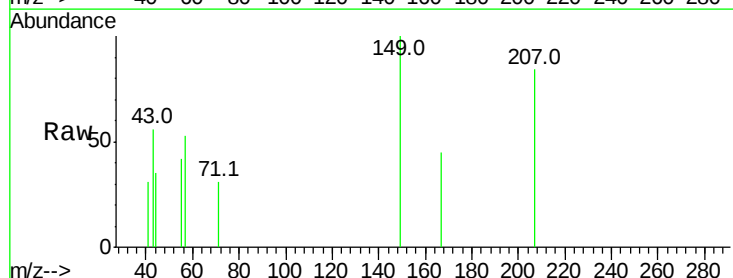
Tgt Ion:149 Resp: 915

Ion Ratio Lower Upper

149 100

167 45.2 21.3 31.9#

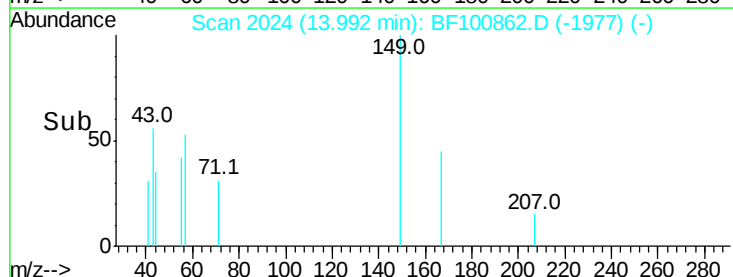
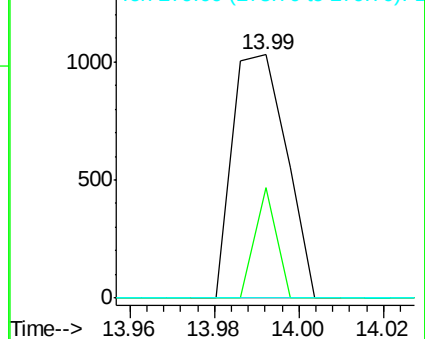
279 0.0 3.0 4.4#

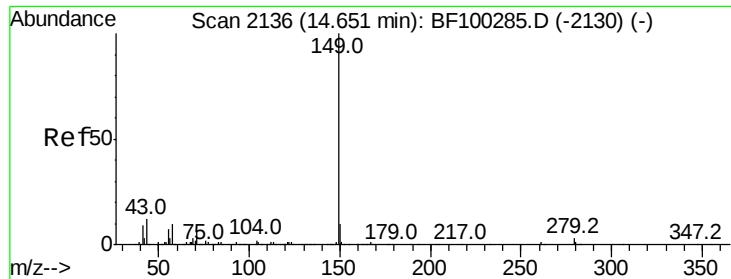


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

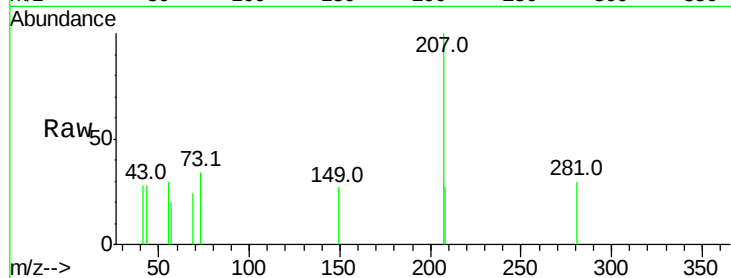




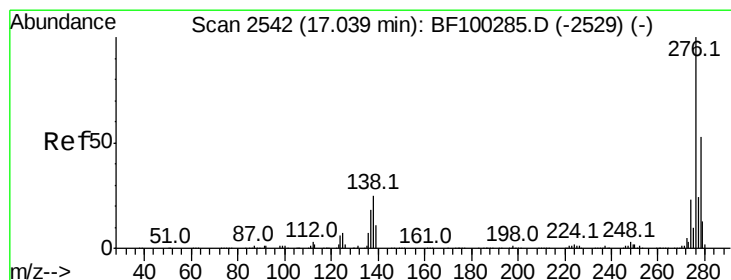
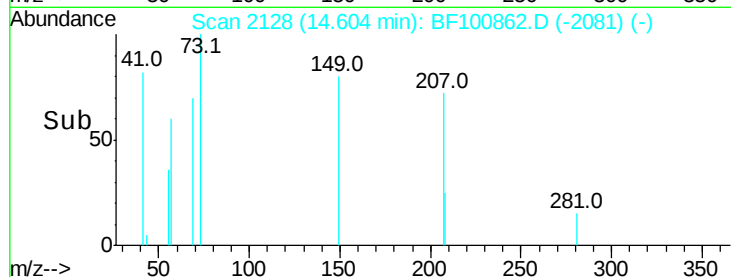
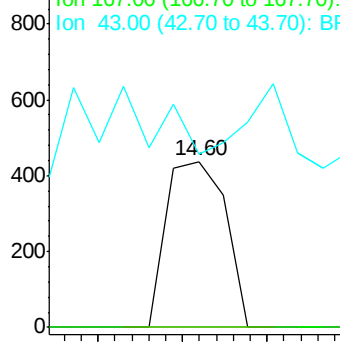
#84  
Di-n-octyl phthalate  
Concen: 0.052 ng  
RT: 14.60 min Scan# 2128  
Delta R.T. -0.02 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 426  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 31.9 8.4 12.6#

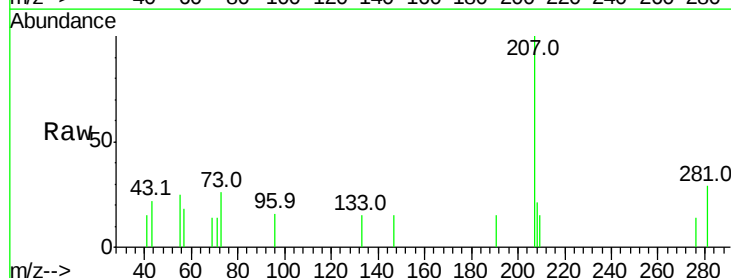


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

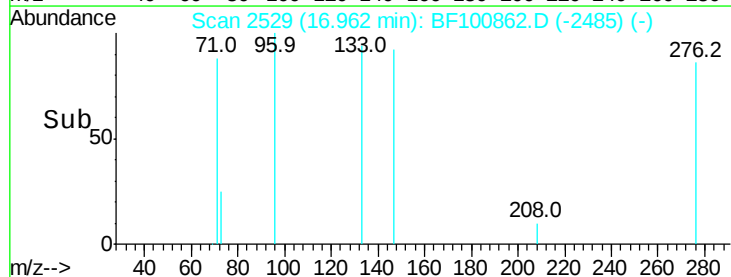
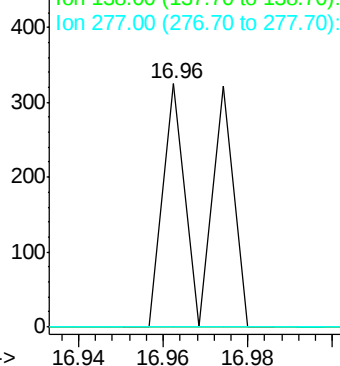


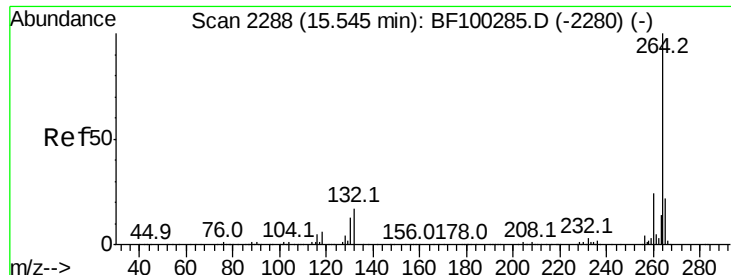
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 0.039 ng  
RT: 16.96 min Scan# 2529  
Delta R.T. -0.04 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Tgt Ion:276 Resp: 228  
Ion Ratio Lower Upper  
276 100  
138 0.0 25.0 37.6#  
277 0.0 20.1 30.1#



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

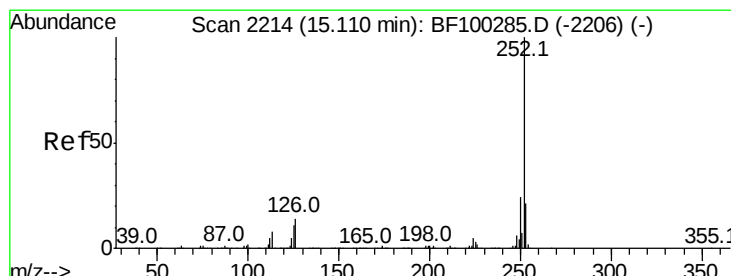
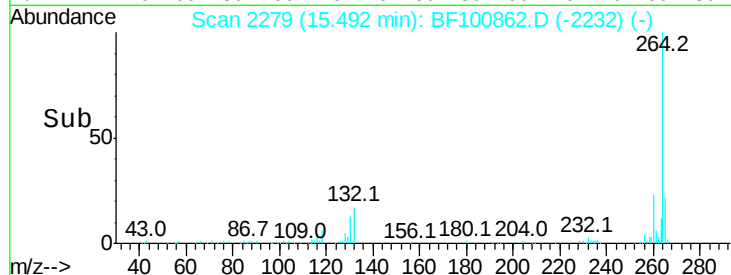
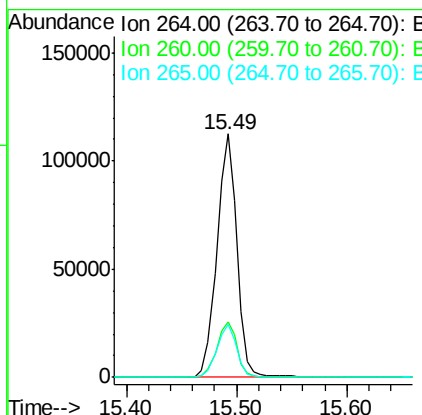
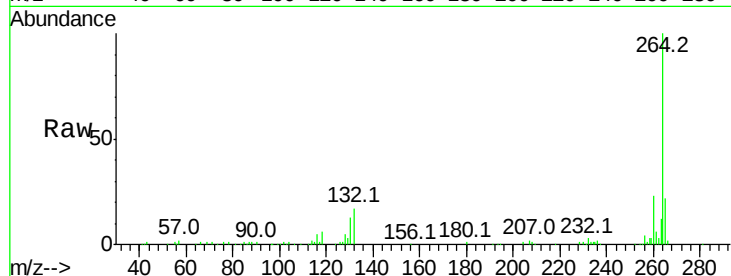




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.02 min  
 Lab File: BF100862.D  
 Acq: 23 Nov 2017 9:20

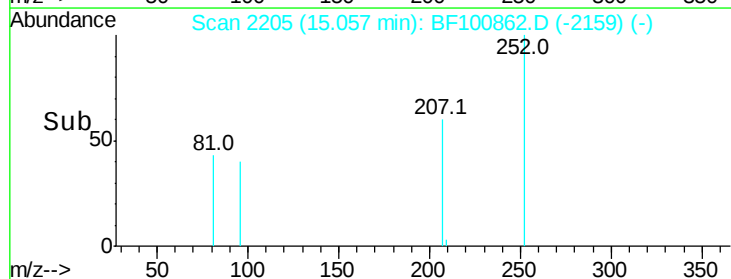
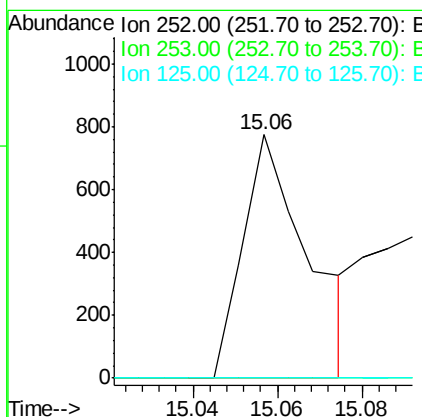
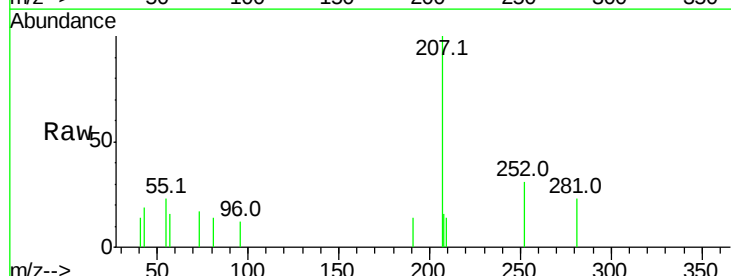
Instrument :  
 BNA\_F  
 ClientSampleId :

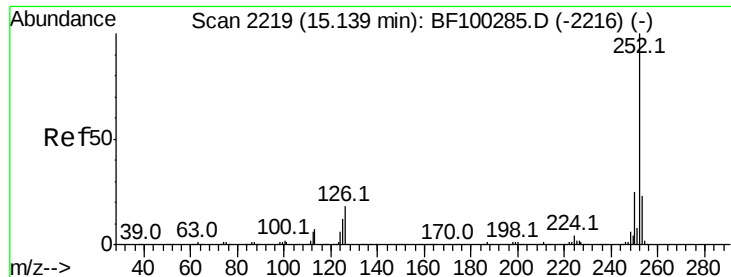
Tot Ion:264 Resp: 140891  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.2 28.8  
 265 21.8 17.5 26.3



#87  
 Benzo(b)fluoranthene  
 Concen: 0.099 ng  
 RT: 15.06 min Scan# 2205  
 Delta R.T. -0.03 min  
 Lab File: BF100862.D  
 Acq: 23 Nov 2017 9:20

Tgt Ion:252 Resp: 824  
 Ion Ratio Lower Upper  
 252 100  
 253 0.0 17.0 25.6#  
 125 0.0 9.0 13.6#

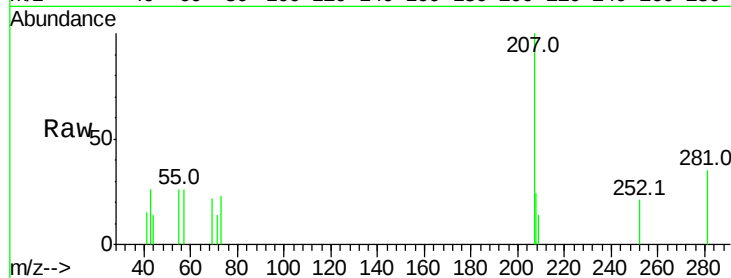




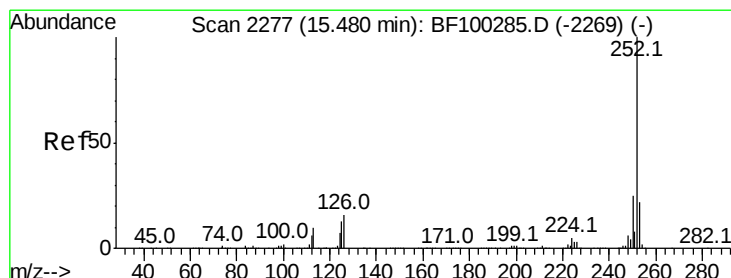
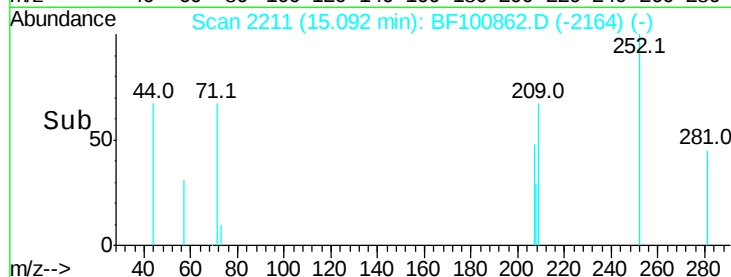
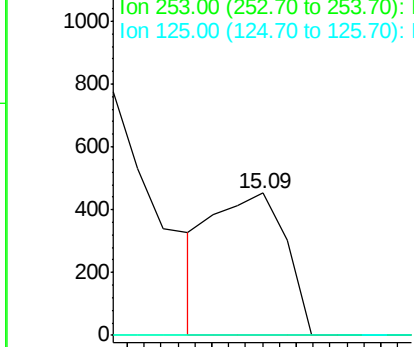
#88  
Benzo(k)fluoranthene  
Concen: 0.070 ng  
RT: 15.09 min Scan# 2211  
Delta R.T. -0.02 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:252 Resp: 549  
Ion Ratio Lower Upper  
252 100  
253 0.0 17.9 26.9#  
125 0.0 10.2 15.2#

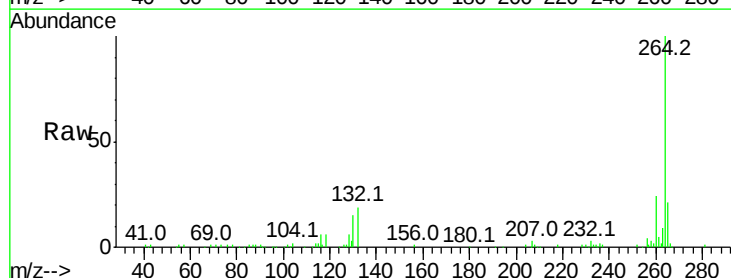


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#89  
Benzo(a)pyrene  
Concen: 0.042 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. 0.03 min  
Lab File: BF100862.D  
Acq: 23 Nov 2017 9:20

Tgt Ion:252 Resp: 313  
Ion Ratio Lower Upper  
252 100  
253 0.0 17.1 25.7#  
125 0.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

