

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\  
 Data File : BF098505.D  
 Acq On : 13 Sep 2017 22:36  
 Operator : SJ/JU  
 Sample : I5160-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 14 05:15:57 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 02:14:50 2017  
 Response via : Initial Calibration

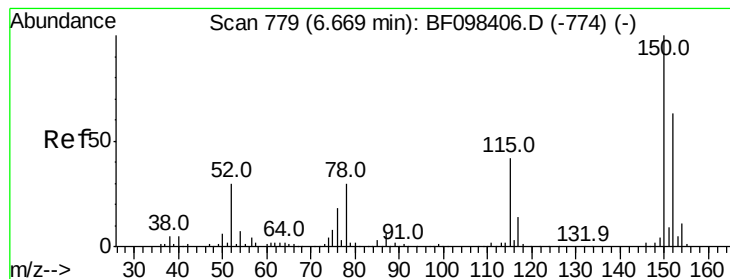
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.66  | 152  | 184812   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.94  | 136  | 766200   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.69  | 164  | 344566   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.17 | 188  | 554652   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.81 | 240  | 356700   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.21 | 264  | 327123   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.27  | 112 | 1258143 | 100.65 | ng | 0.00  |
| 7) Phenol-d6                | 6.32  | 99  | 1589052 | 100.13 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.23  | 82  | 917643  | 66.77  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330 | 248010  | 107.84 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.02  | 172 | 1563646 | 76.92  | ng | -0.02 |
| 78) Terphenyl-d14           | 12.76 | 244 | 982557  | 59.46  | ng | -0.01 |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 10) Phenol                     | 6.33  | 94  | 54588   | 2.961  | ng | # 67 |
| 19) n-Nitroso-di-n-propylamine | 7.23  | 70  | 122042  | 12.225 | ng | # 78 |
| 25) Isophorone                 | 7.23  | 82  | 911143  | 32.767 | ng | # 67 |
| 31) Naphthalene                | 7.96  | 128 | 333876  | 8.815  | ng | 99   |
| 32) Benzoic acid               | 7.76  | 122 | 6420    | 8.632  | ng | # 1  |
| 33) 4-Chloroaniline            | 7.96  | 127 | 43738   | 2.841  | ng | # 35 |
| 37) 2-Methylnaphthalene        | 8.65  | 142 | 236841  | 10.323 | ng | 99   |
| 48) Acenaphthylene             | 9.55  | 152 | 179174  | 5.471  | ng | 99   |
| 49) Dimethylphthalate          | 9.41  | 163 | 347393  | 13.025 | ng | 99   |
| 53) 2,4-Dinitrophenol          | 9.88  | 184 | 137     | 8.572  | ng | # 1  |
| 54) Dibenzofuran               | 9.89  | 168 | 115821  | 4.223  | ng | # 97 |
| 62) Azobenzene                 | 10.40 | 77  | 186338  | 6.816  | ng | # 1  |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 1347    | 5.319  | ng | 87   |
| 66) 4-Bromophenyl-phenylether  | 10.48 | 248 | 18702   | 3.553  | ng | # 1  |
| 70) Phenanthrene               | 11.19 | 178 | 406288  | 13.818 | ng | 99   |
| 71) Anthracene                 | 11.25 | 178 | 186102  | 6.165  | ng | 97   |
| 72) Carbazole                  | 11.40 | 167 | 66031   | 2.347  | ng | 99   |
| 74) Fluoranthene               | 12.38 | 202 | 739037  | 25.107 | ng | 99   |
| 77) Pyrene                     | 12.61 | 202 | 703972  | 25.018 | ng | 98   |
| 79) Butylbenzylphthalate       | 13.23 | 149 | 30022   | 2.459  | ng | # 76 |
| 80) Benzo(a)anthracene         | 13.83 | 228 | 499686  | 23.894 | ng | 97   |
| 82) Chrysene                   | 13.83 | 228 | 499686  | 23.638 | ng | 97   |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149 | 121441  | 7.927  | ng | 99   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.55 | 276 | 228184  | 15.386 | ng | # 91 |
| 87) Benzo(b)fluoranthene       | 14.82 | 252 | 1021567 | 49.666 | ng | 98   |
| 88) Benzo(k)fluoranthene       | 14.82 | 252 | 1021567 | 53.201 | ng | 97   |
| 89) Benzo(a)pyrene             | 15.15 | 252 | 347240  | 18.950 | ng | 96   |
| 90) Dibenzo(a,h)anthracene     | 16.55 | 278 | 62167   | 4.664  | ng | # 76 |
| 91) Benzo(g,h,i)perylene       | 16.96 | 276 | 191368  | 14.273 | ng | 96   |

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



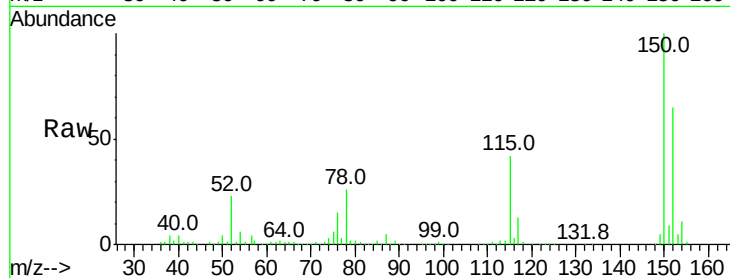


#1

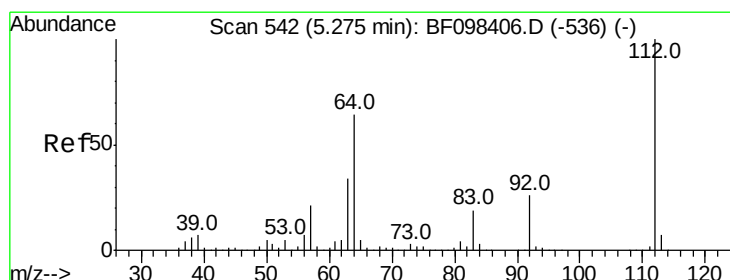
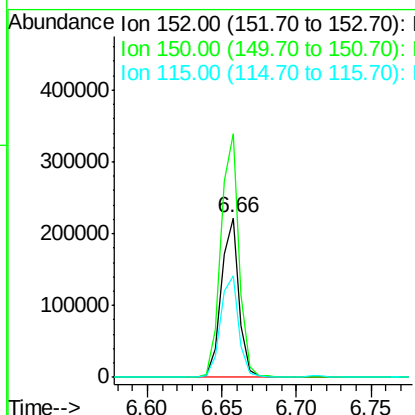
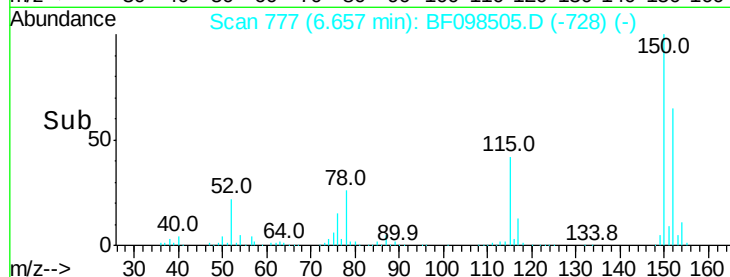
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.66 min Scan# 777  
Delta R.T. -0.01 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 184812  
Ion Ratio Lower Upper  
152 100  
150 152.9 126.2 189.2  
115 64.1 52.2 78.2



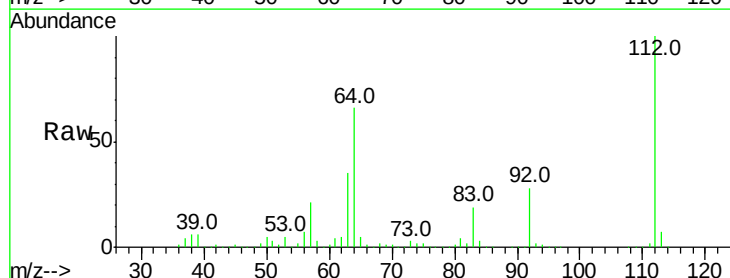
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



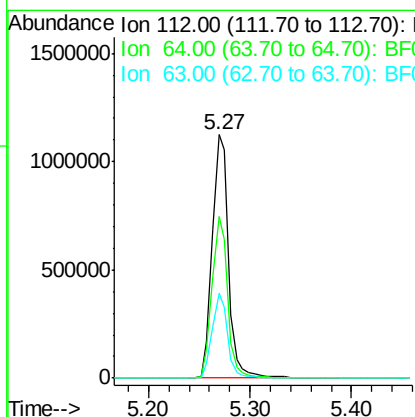
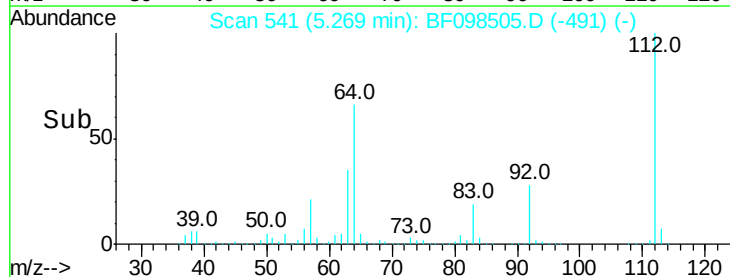
#5

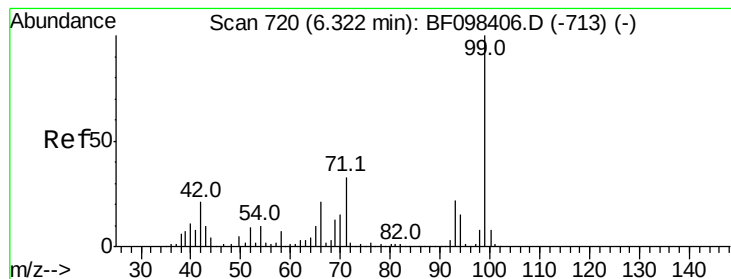
2-Fluorophenol  
Concen: 100.653 ng  
RT: 5.27 min Scan# 541  
Delta R.T. -0.00 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

Tgt Ion:112 Resp: 1258143  
Ion Ratio Lower Upper  
112 100  
64 66.4 46.0 69.0  
63 34.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.126 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

Instrument :

BNA\_F

ClientSampleId :

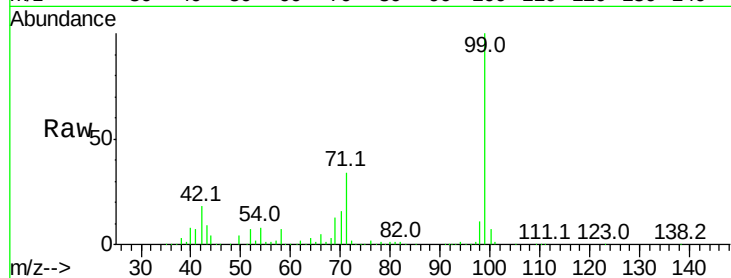
Tot Ion: 99 Resp: 1589052

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

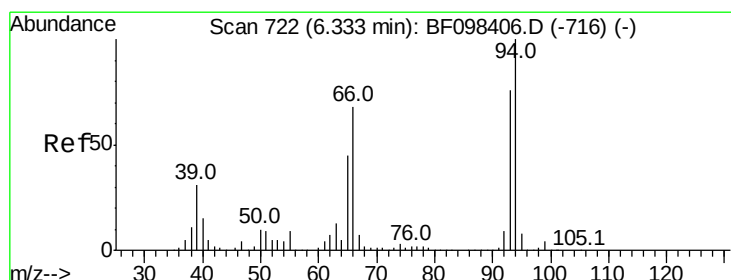
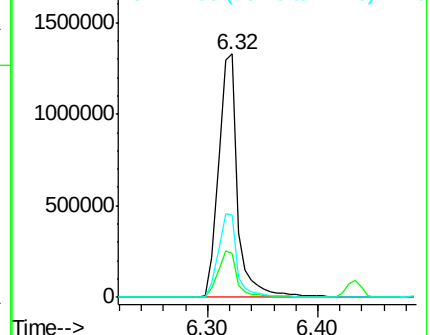
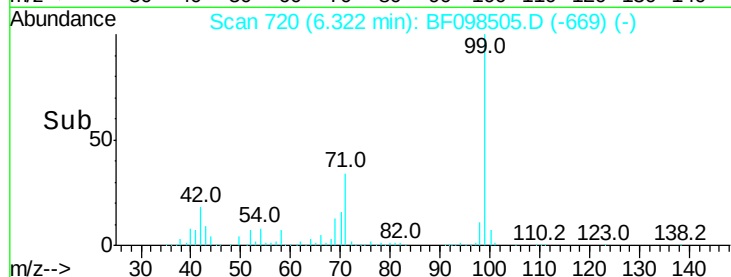
71 34.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.961 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

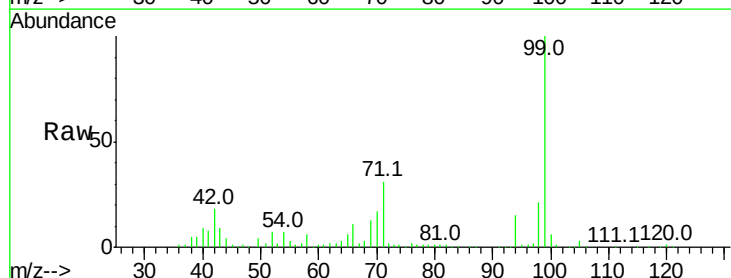
Tgt Ion: 94 Resp: 54588

Ion Ratio Lower Upper

94 100

65 39.8 9.9 49.9

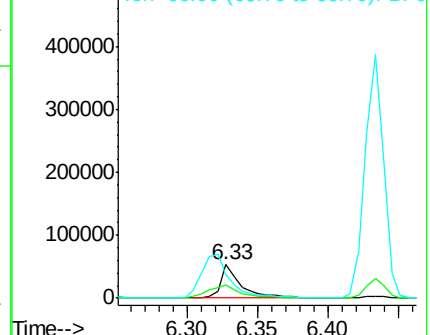
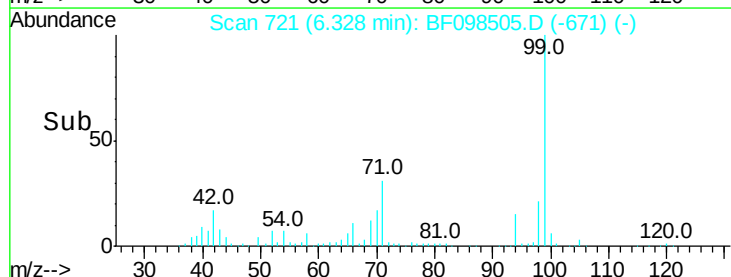
66 70.6 23.1 63.1#

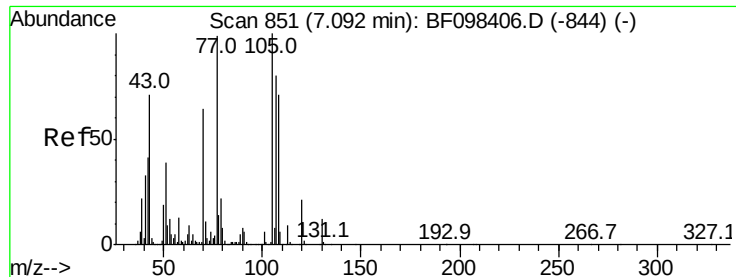


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

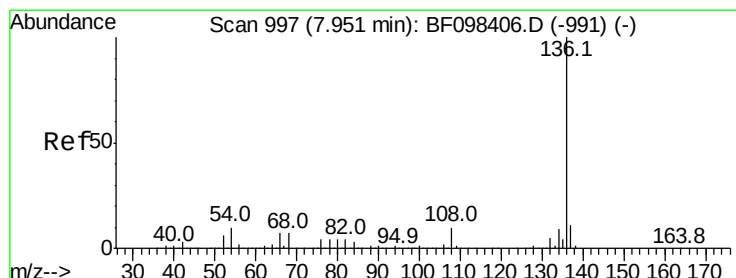
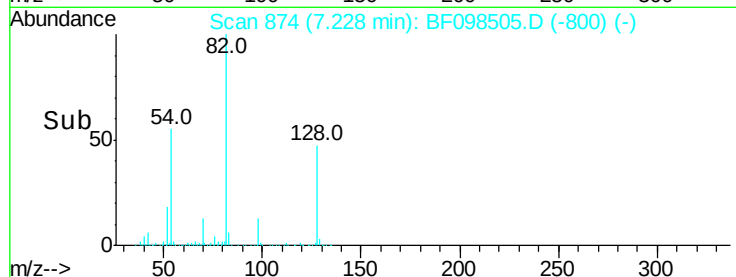
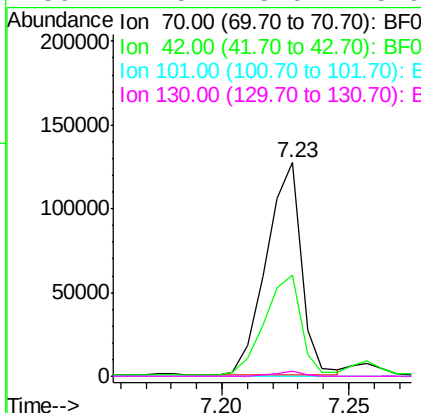
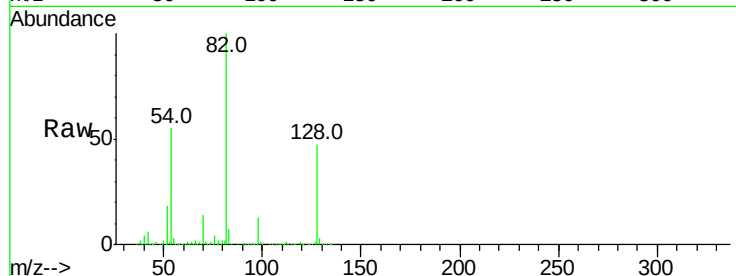




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.225 ng  
RT: 7.23 min Scan# 874  
Delta R.T. 0.14 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

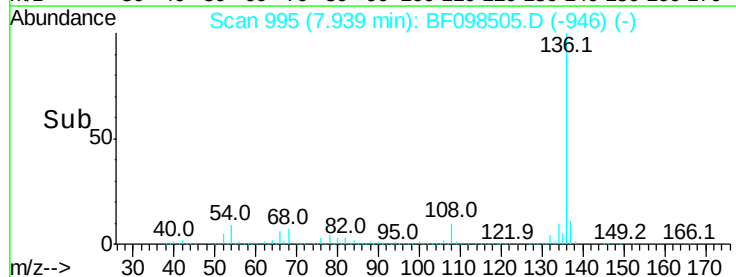
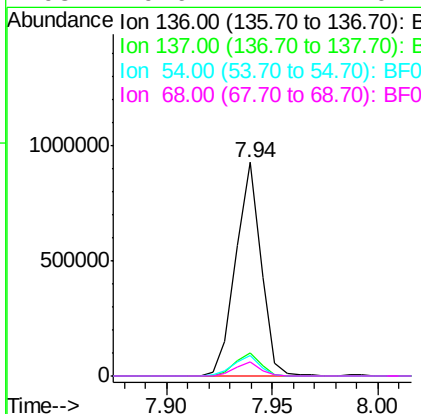
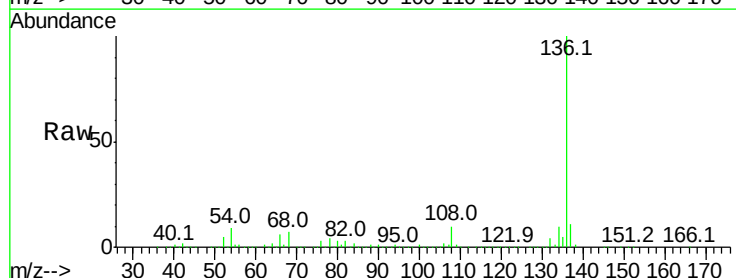
Instrument :  
BNA\_F  
ClientSampleId :

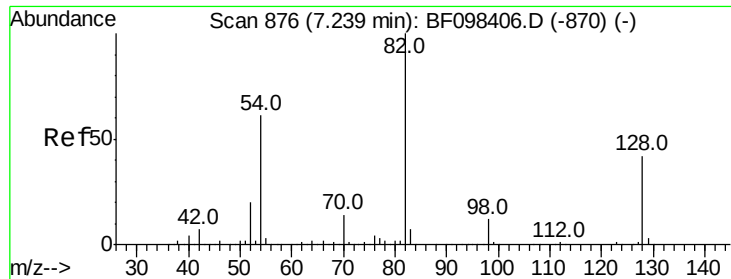
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 122042 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 47.2  | 47.2  | 70.8#  |
| 101      | 0.0   | 7.2   | 10.8#  |
| 130      | 2.5   | 15.9  | 23.9#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.94 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 766200 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.5   | 12.7   |
| 54       | 9.4   | 4.9   | 7.3#   |
| 68       | 6.6   | 4.1   | 6.1#   |

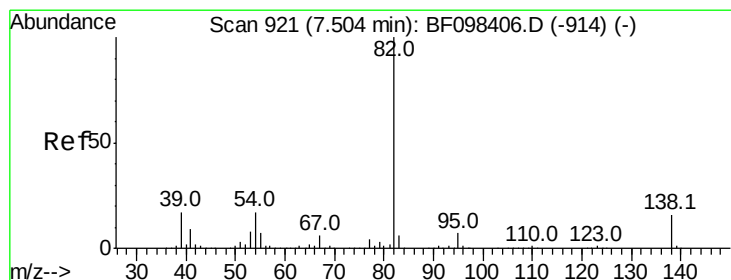
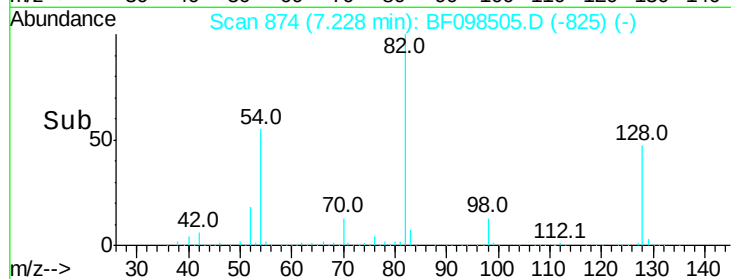
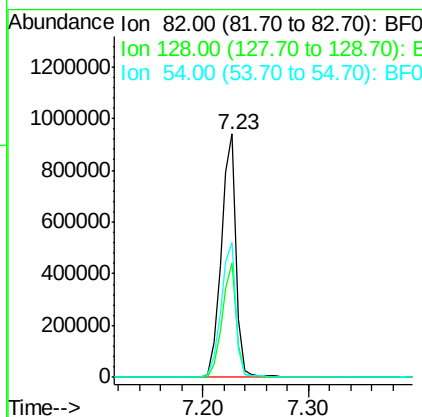
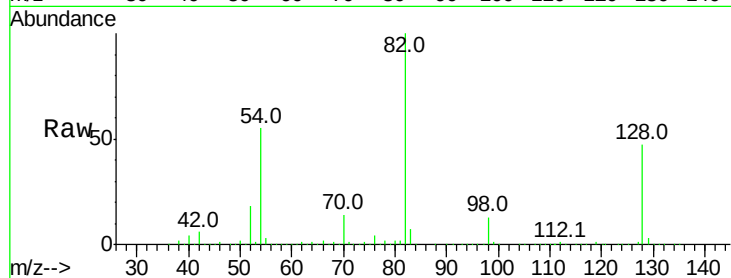




#23  
Nitrobenzene-d5  
Concen: 66.769 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

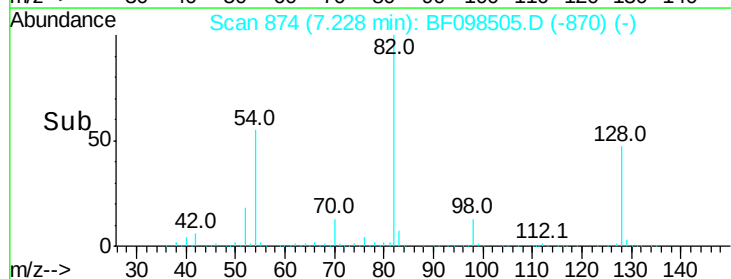
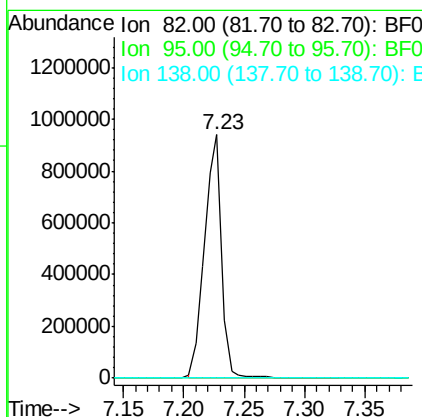
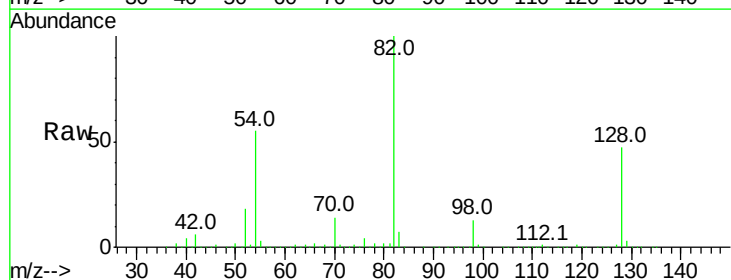
Instrument :  
BNA\_F  
ClientSampleId :

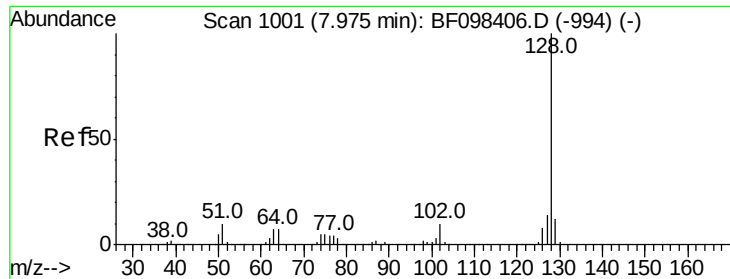
| Tot Ion   | 82   | Resp  | 917643 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 47.0 | 34.0  | 51.0   |
| 54        | 55.2 | 42.2  | 63.2   |



#25  
Isophorone  
Concen: 32.767 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.28 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

| Tgt Ion   | 82  | Resp  | 911143 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.1 | 5.3   | 7.9#   |
| 138       | 0.0 | 13.1  | 19.7#  |

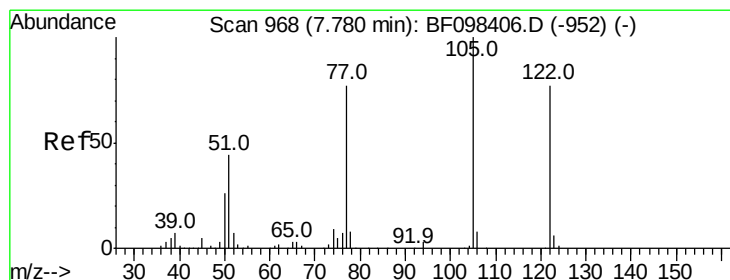
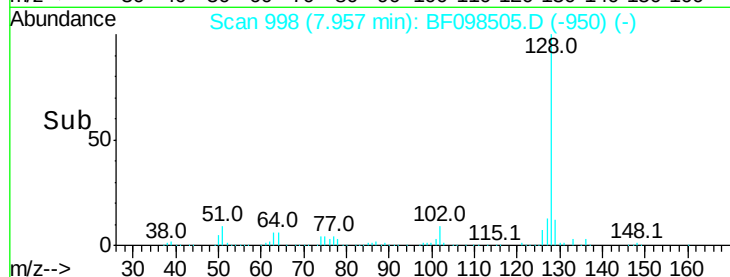
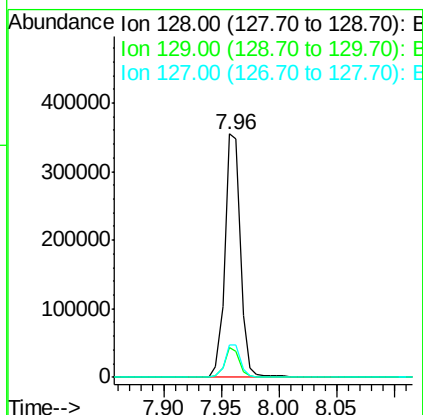
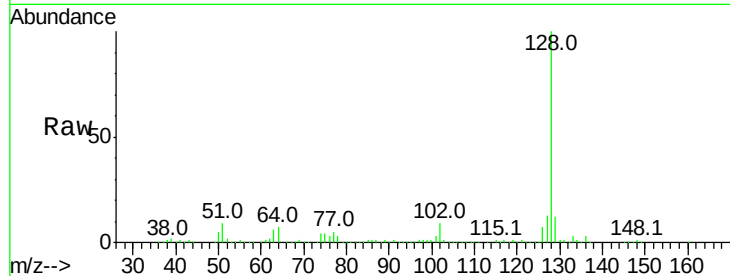




#31  
Naphthalene  
Concen: 8.815 ng  
RT: 7.96 min Scan# 998  
Delta R.T. -0.02 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

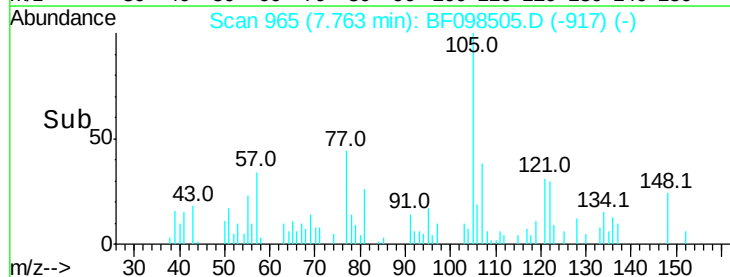
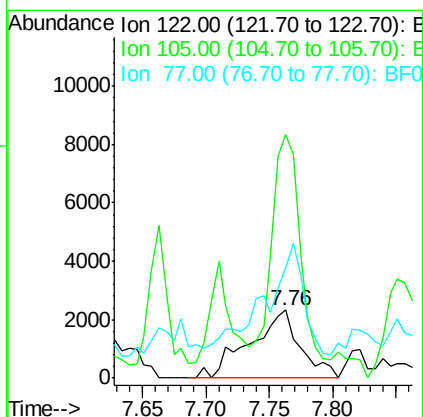
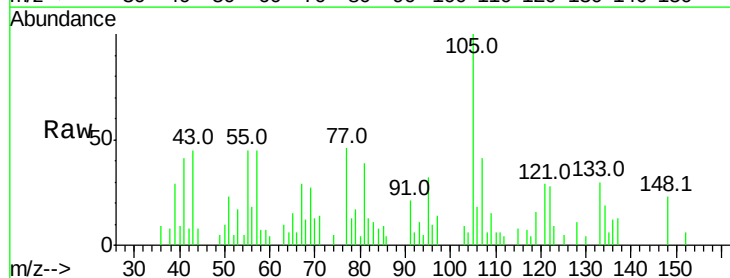
Instrument :  
BNA\_F  
ClientSampleId :

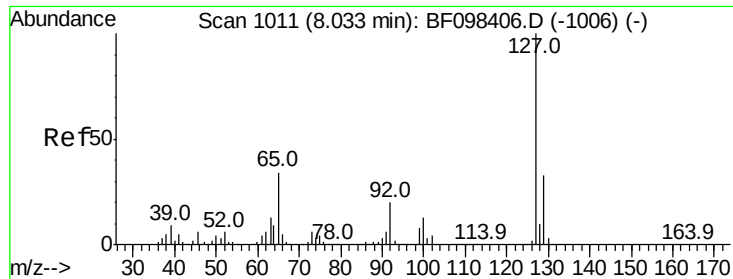
Tot Ion:128 Resp: 333876  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.0 13.6  
127 13.1 10.8 16.2



#32  
Benzoic acid  
Concen: 8.632 ng  
RT: 7.76 min Scan# 965  
Delta R.T. -0.02 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

Tgt Ion:122 Resp: 6420  
Ion Ratio Lower Upper  
122 100  
105 359.8 103.3 143.3#  
77 164.2 73.7 113.7#

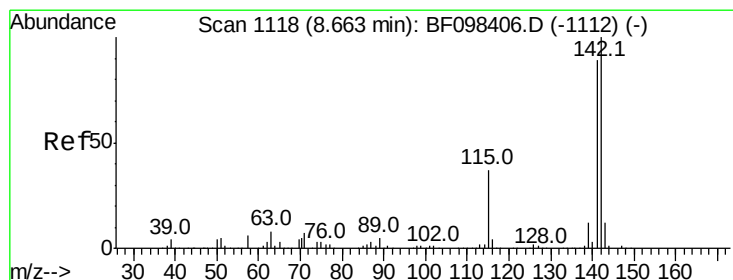
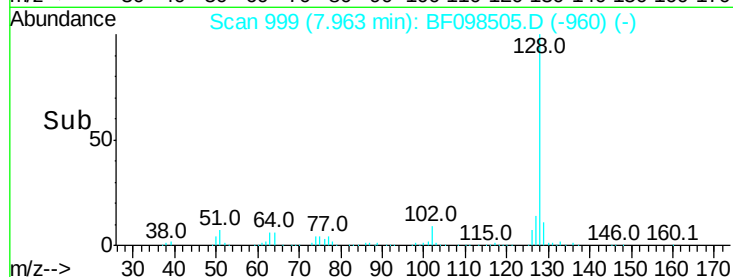
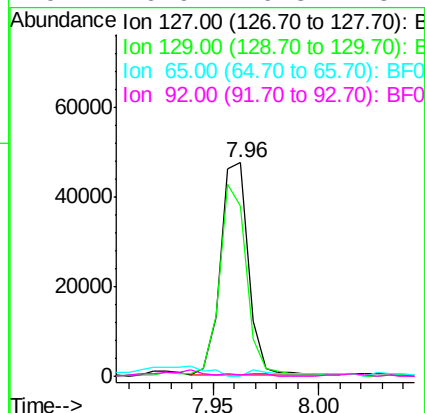
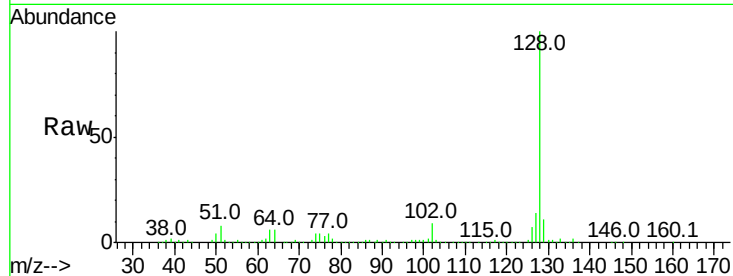




#33  
4-Chloroaniline  
Concen: 2.841 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.07 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

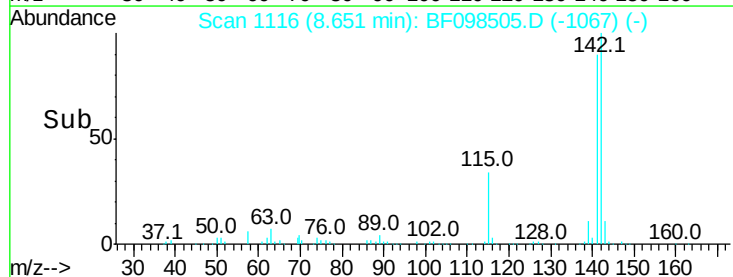
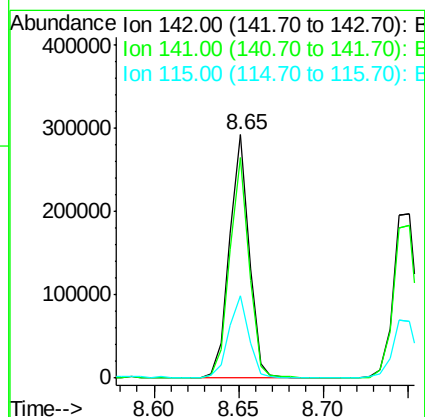
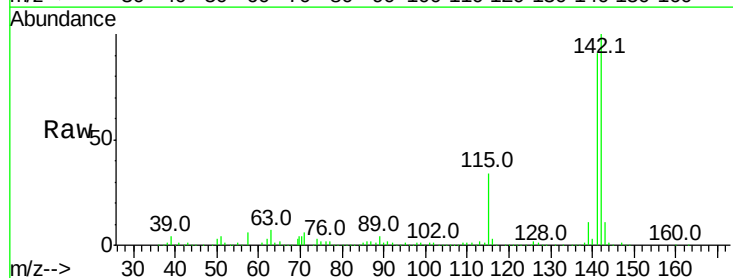
Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 43738 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 79.9  | 26.2  | 39.2# |
| 65       | 0.0   | 27.8  | 41.8# |
| 92       | 0.9   | 16.8  | 25.2# |

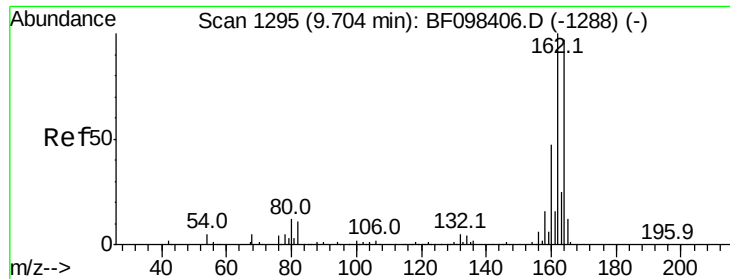


#37  
2-Methylnaphthalene  
Concen: 10.323 ng  
RT: 8.65 min Scan# 1116  
Delta R.T. -0.01 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 236841 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 90.5  | 71.3  | 106.9  |
| 115      | 33.6  | 27.1  | 40.7   |



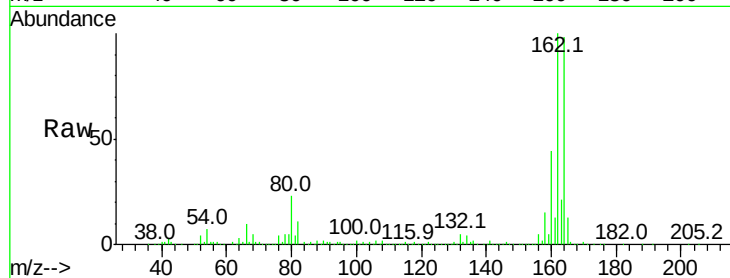




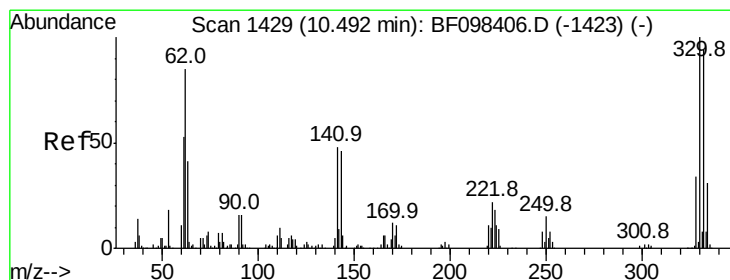
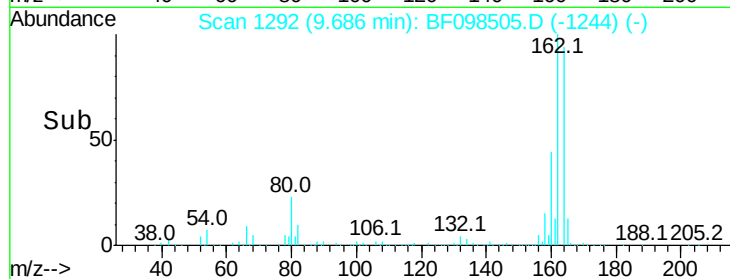
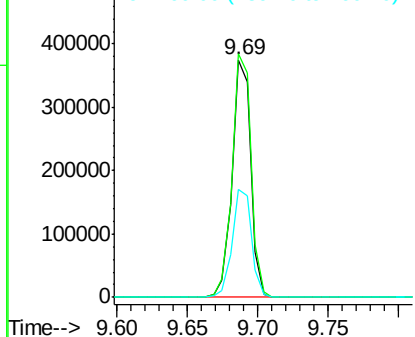
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.69 min Scan# 1292  
 Delta R.T. -0.02 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:164 Resp: 344566  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 82.6 123.8  
 160 45.6 36.2 54.2

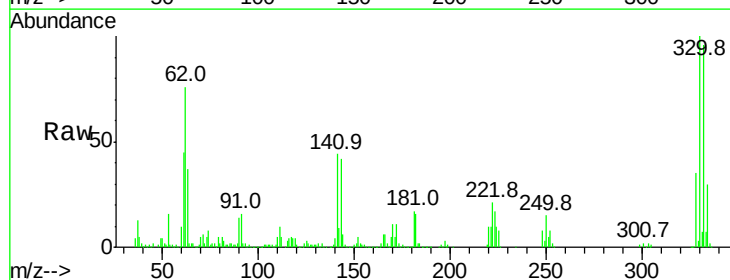


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

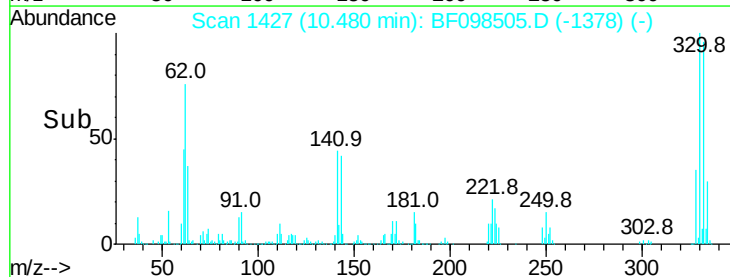
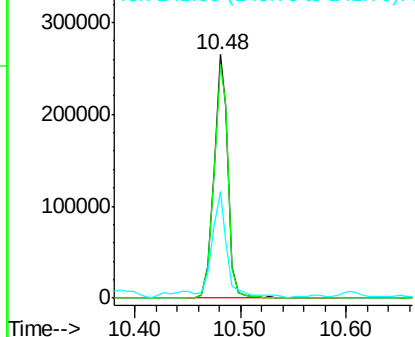


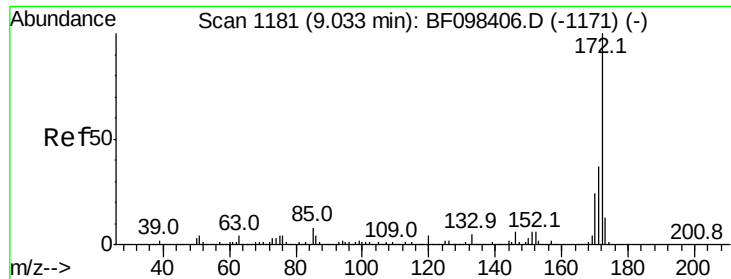
#41  
 2,4,6-Tribromophenol  
 Concen: 107.845 ng  
 RT: 10.48 min Scan# 1427  
 Delta R.T. -0.01 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Tgt Ion:330 Resp: 248010  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 76.6 115.0  
 141 42.8 31.4 47.2



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



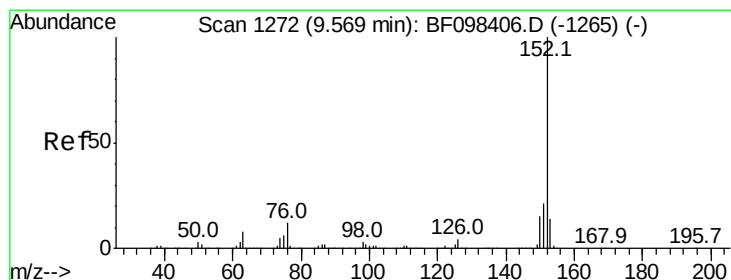
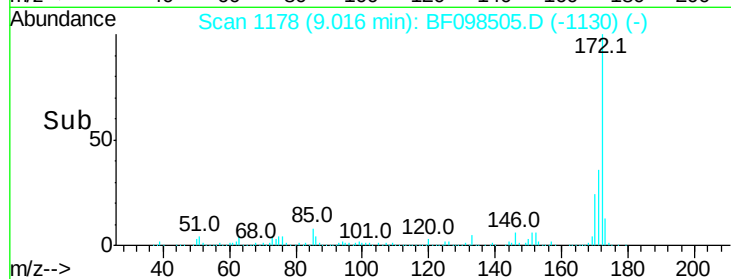
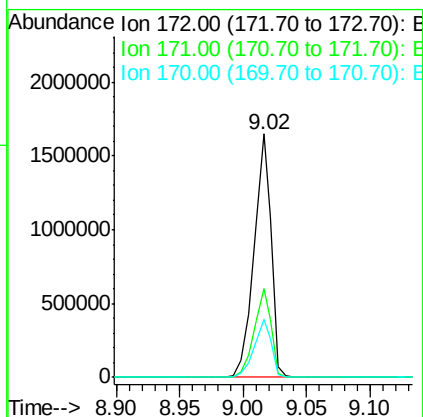
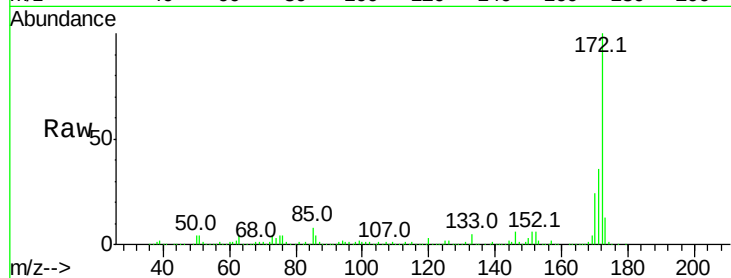


#44  
 2-Fluorobiphenyl  
 Concen: 76.916 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.02 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1563646  

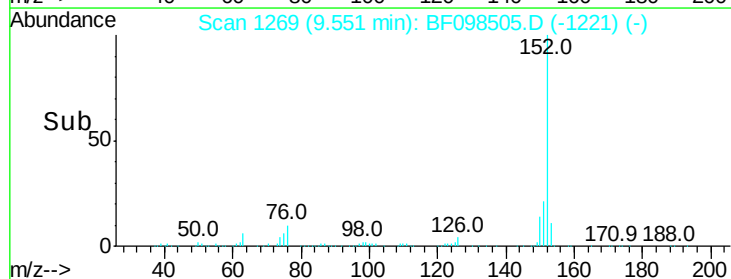
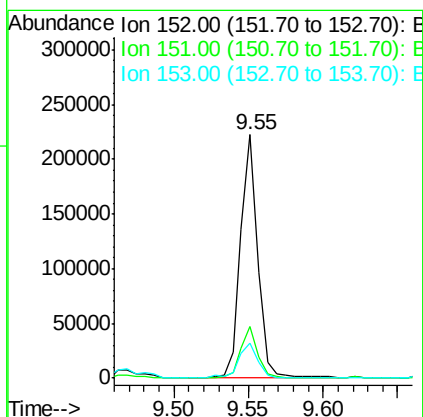
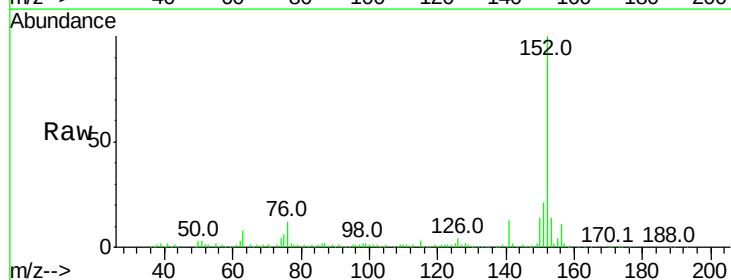
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.2  | 29.6  | 44.4  |
| 170 | 23.8  | 19.8  | 29.8  |

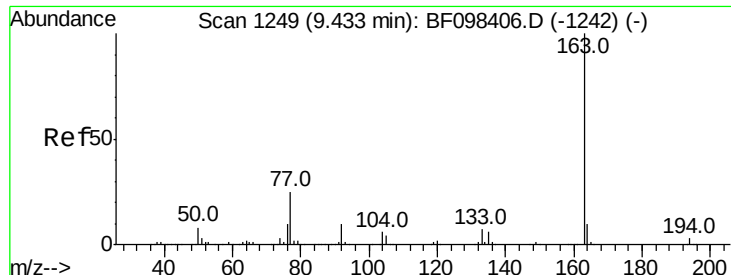


#48  
 Acenaphthylene  
 Concen: 5.471 ng  
 RT: 9.55 min Scan# 1269  
 Delta R.T. -0.02 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Tgt Ion:152 Resp: 179174  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 21.5  | 16.8  | 25.2  |
| 153 | 14.3  | 10.8  | 16.2  |

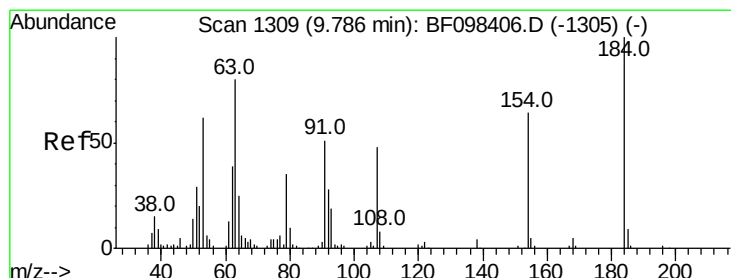
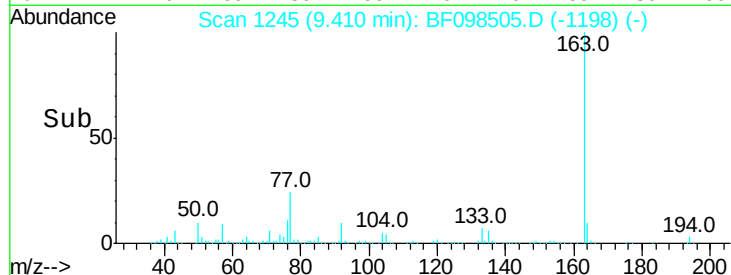
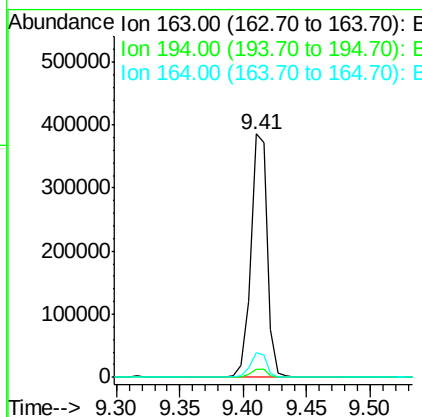
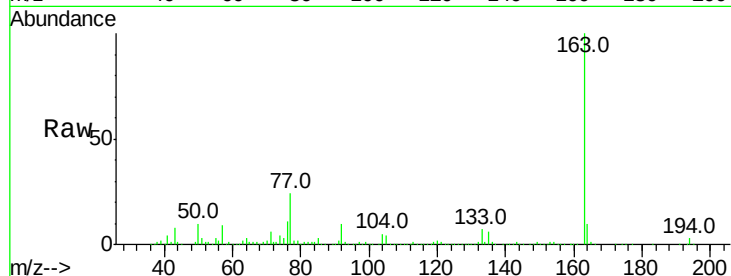




#49  
Dimethylphthalate  
Concen: 13.025 ng  
RT: 9.41 min Scan# 1245  
Delta R.T. -0.02 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

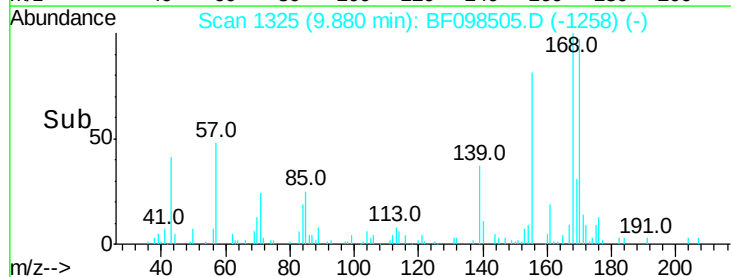
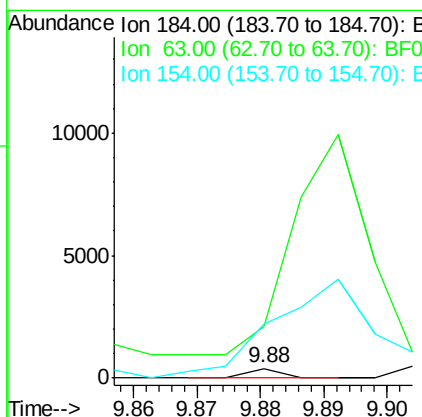
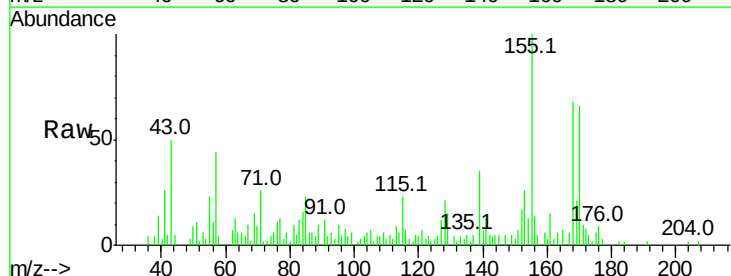
Instrument :  
BNA\_F  
ClientSampleId :

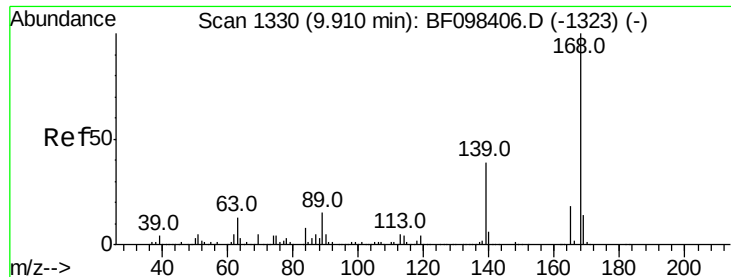
Tot Ion:163 Resp: 347393  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 10.2 8.4 12.6



#53  
2,4-Dinitrophenol  
Concen: 8.572 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. 0.09 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

Tgt Ion:184 Resp: 137  
Ion Ratio Lower Upper  
184 100  
63 538.8 62.7 94.1#  
154 562.0 81.1 121.7#

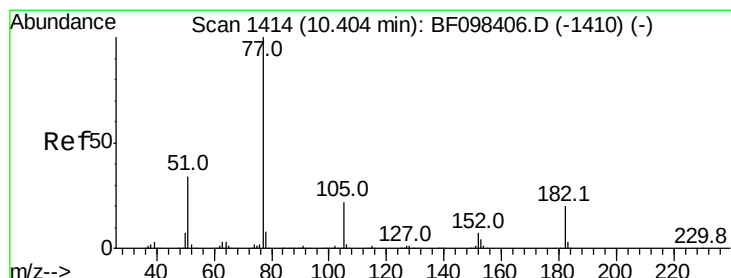
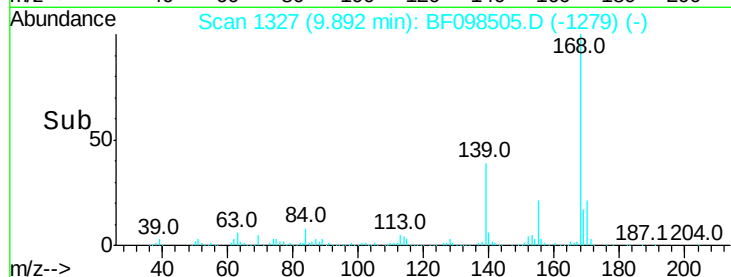
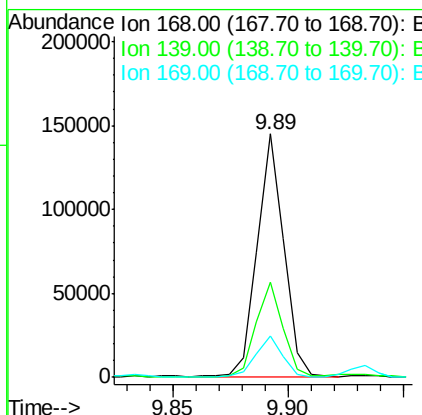
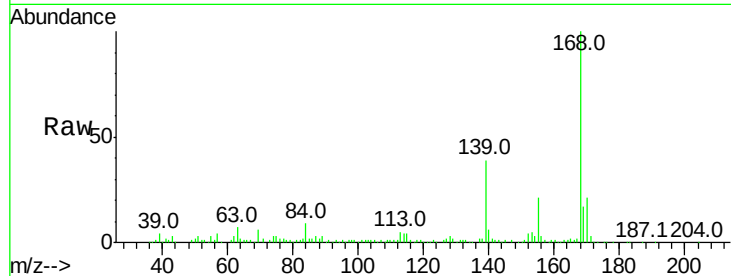




#54  
Dibenzofuran  
Concen: 4.223 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.02 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

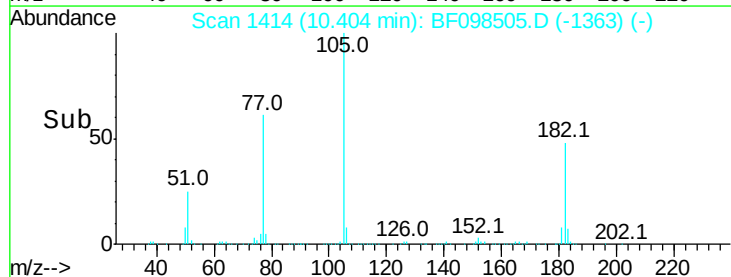
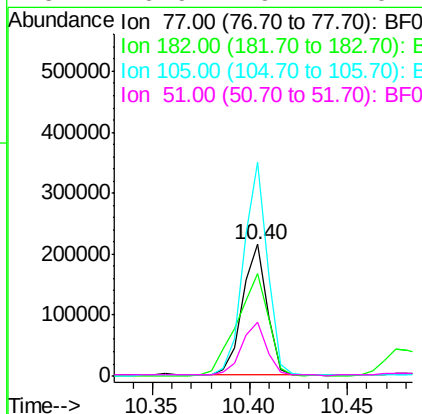
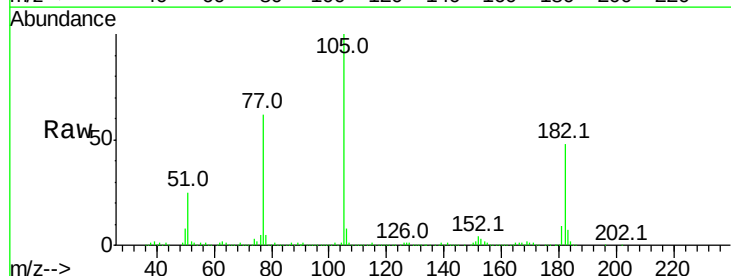
Instrument :  
BNA\_F  
ClientSampleId :

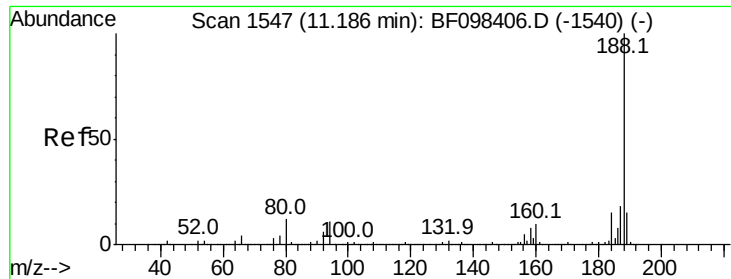
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.0  | 30.6  | 45.8  |
| 169     | 17.1  | 10.8  | 16.2  |



#62  
Azobenzene  
Concen: 6.816 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. 0.00 min  
Lab File: BF098505.D  
Acq: 13 Sep 2017 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 77.7  | 0.1   | 40.1  |
| 105     | 162.1 | 3.6   | 43.6  |
| 51      | 40.9  | 9.4   | 49.4  |

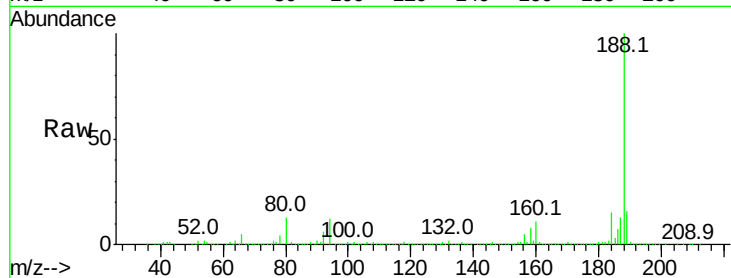




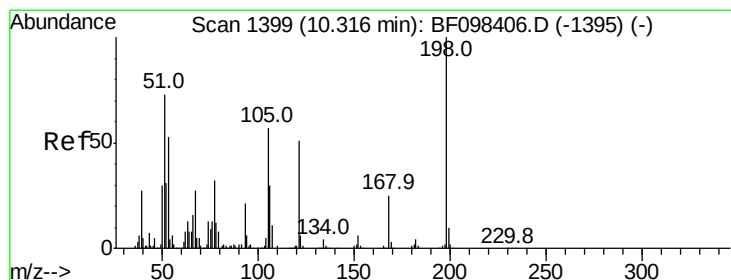
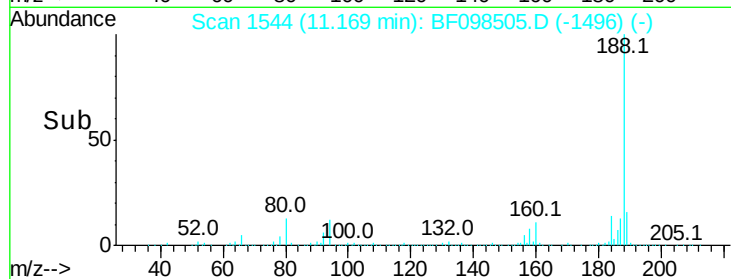
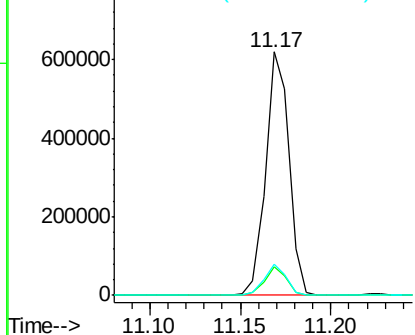
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.17 min Scan# 1544  
 Delta R.T. -0.02 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 554652  
 Ion Ratio Lower Upper  
 188 100  
 94 11.6 9.4 14.2  
 80 13.0 10.2 15.2

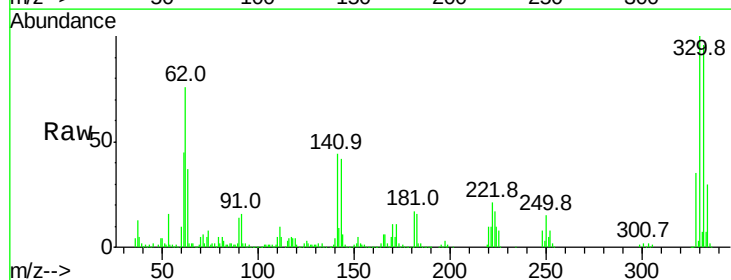


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

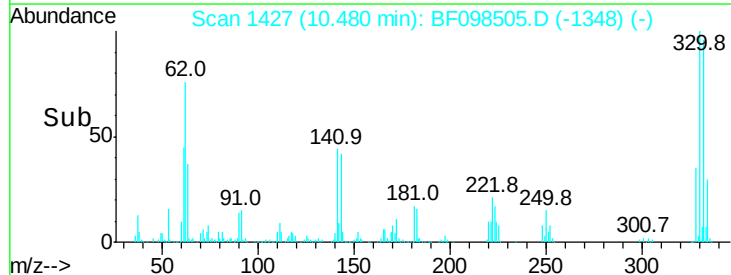
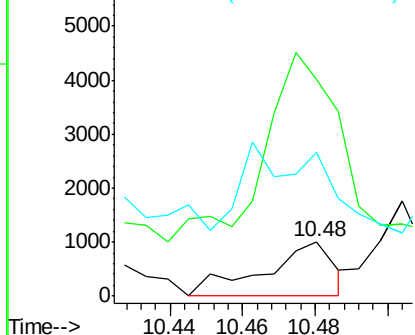


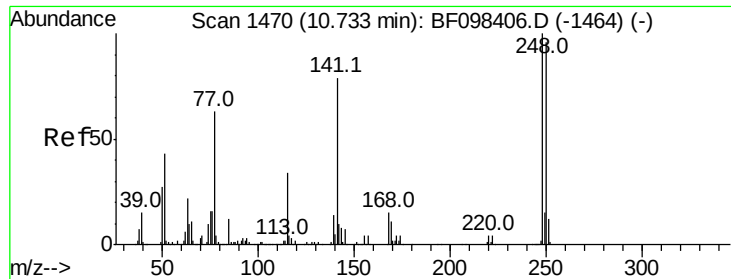
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.319 ng  
 RT: 10.48 min Scan# 1427  
 Delta R.T. 0.17 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Tgt Ion:198 Resp: 1347  
 Ion Ratio Lower Upper  
 198 100  
 51 86.0 53.2 93.2  
 105 57.1 45.8 85.8



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

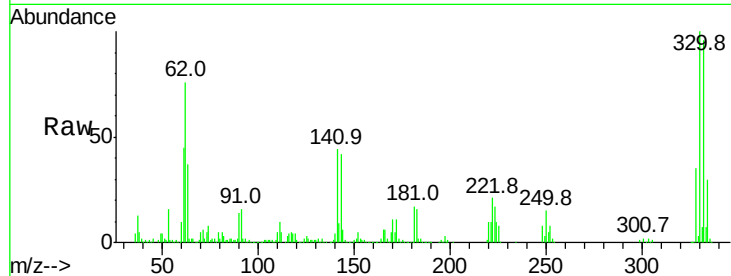




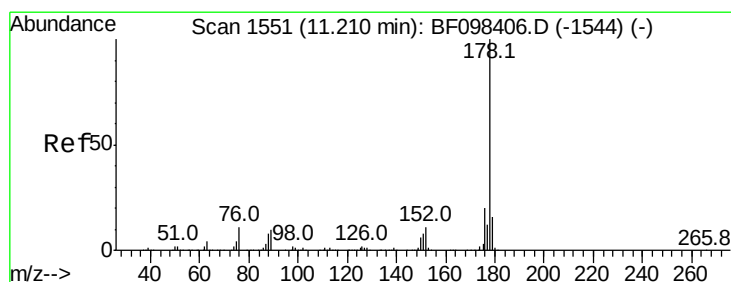
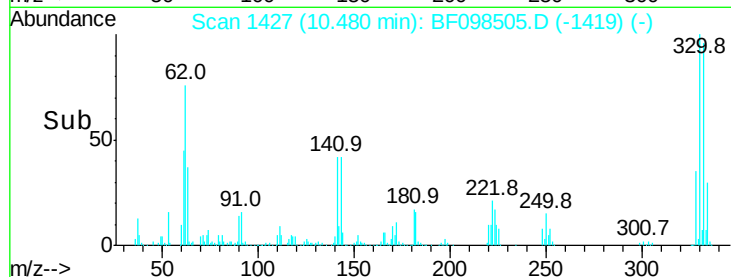
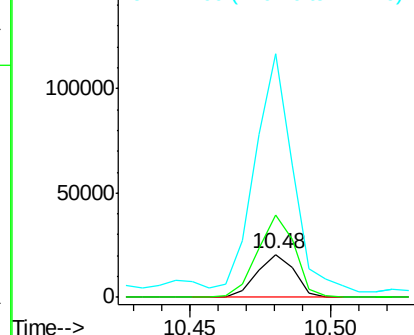
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.553 ng  
 RT: 10.48 min Scan# 1427  
 Delta R.T. -0.25 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 18702  
 Ion Ratio Lower Upper  
 248 100  
 250 194.0 76.8 115.2#  
 141 570.0 68.6 103.0#

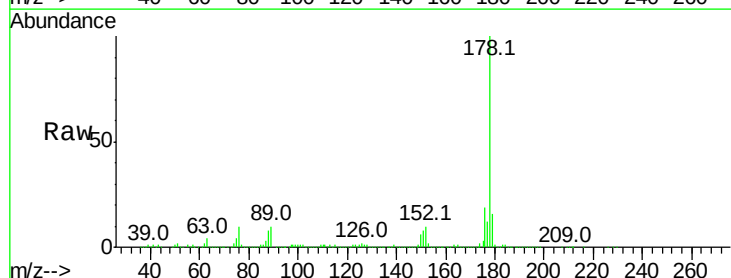


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

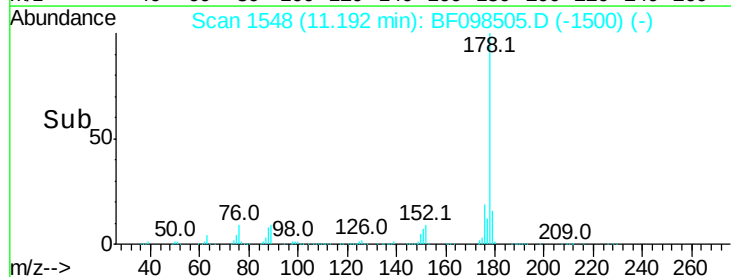
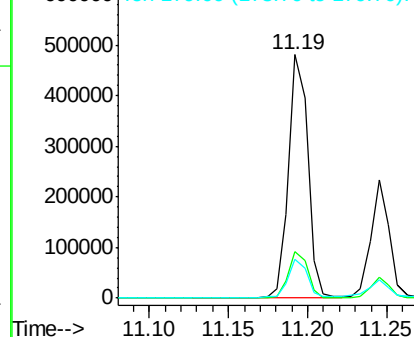


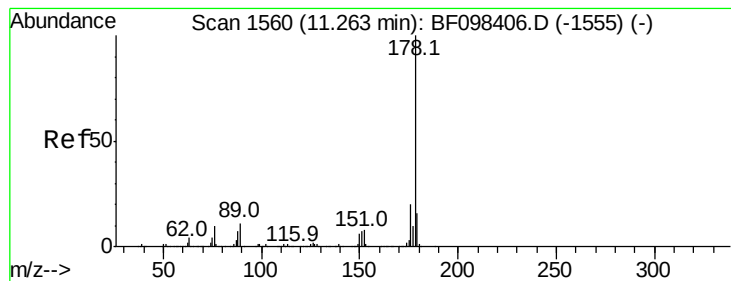
#70  
 Phenanthrene  
 Concen: 13.818 ng  
 RT: 11.19 min Scan# 1548  
 Delta R.T. -0.02 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Tgt Ion:178 Resp: 406288  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 16.2 24.4  
 179 15.7 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





#71

Anthracene

Concen: 6.165 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

Instrument :

BNA\_F

ClientSampled :

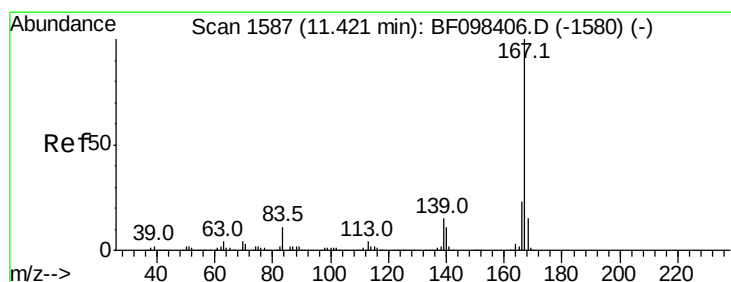
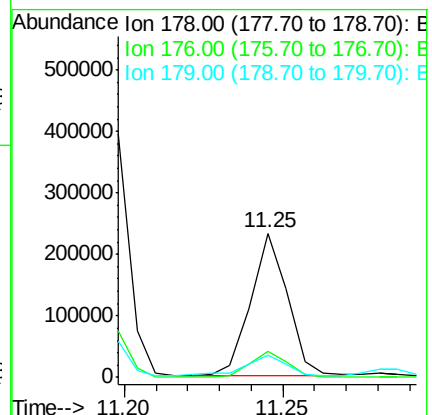
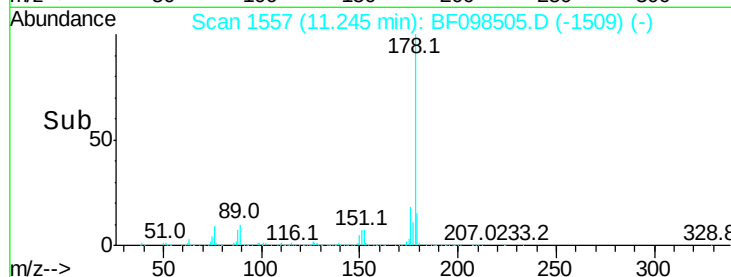
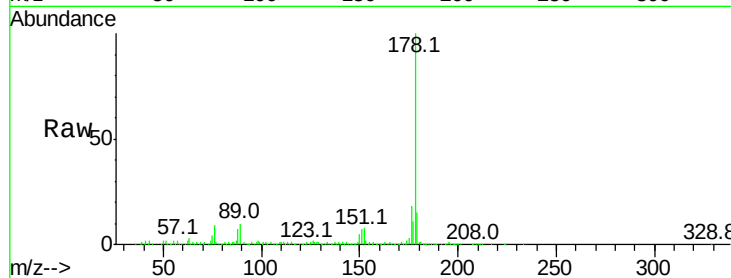
Tot Ion:178 Resp: 186102

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

179 15.3 12.7 19.1



#72

Carbazole

Concen: 2.347 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

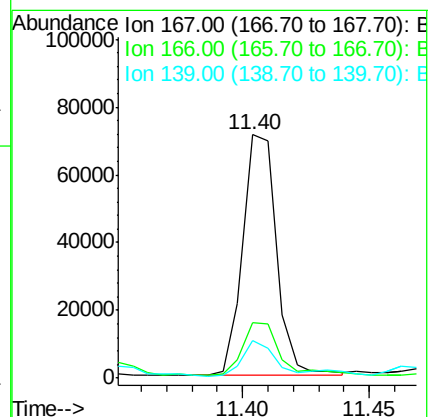
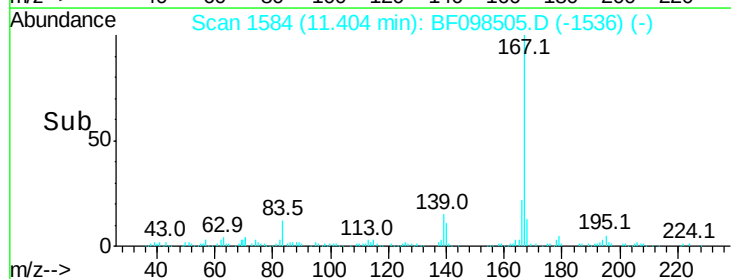
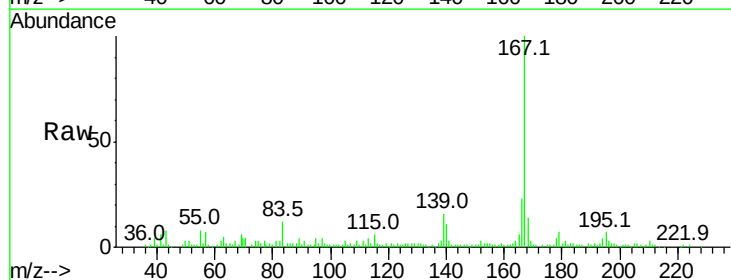
Tgt Ion:167 Resp: 66031

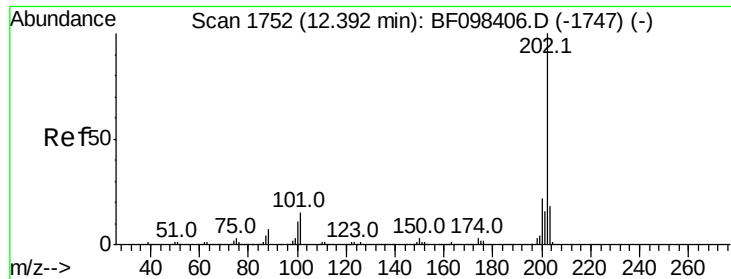
Ion Ratio Lower Upper

167 100

166 22.7 18.1 27.1

139 15.6 11.7 17.5

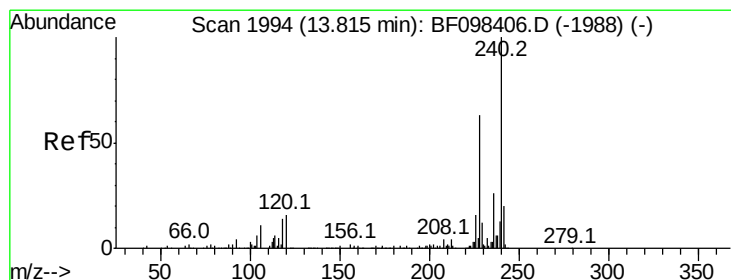
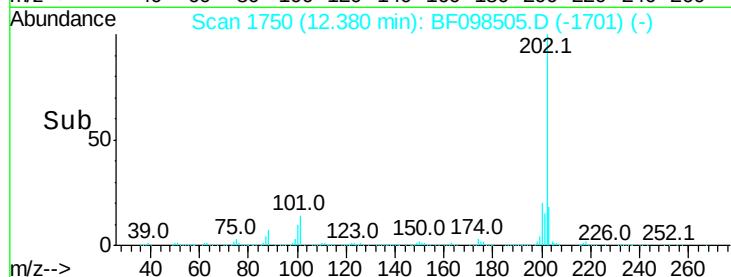
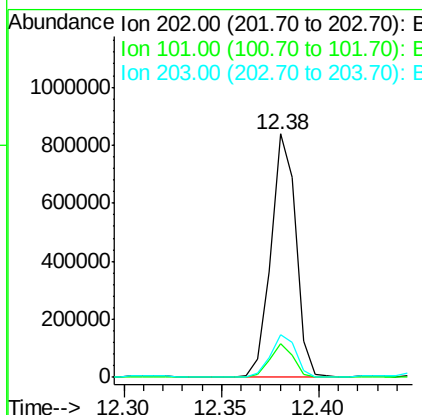
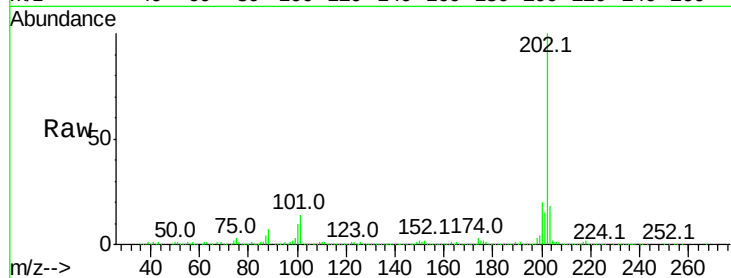




#74  
 Fluoranthene  
 Concen: 25.107 ng  
 RT: 12.38 min Scan# 1750  
 Delta R.T. -0.01 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

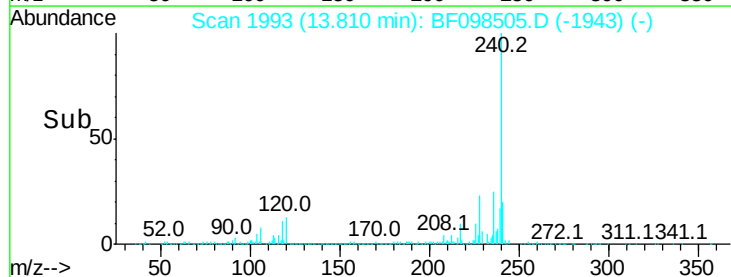
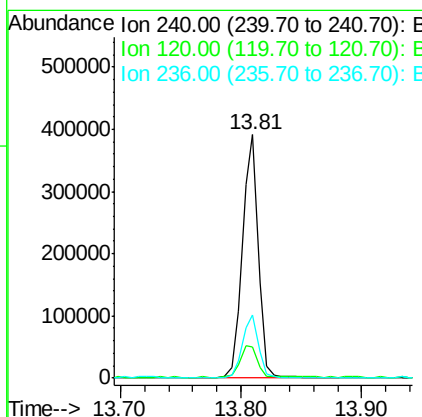
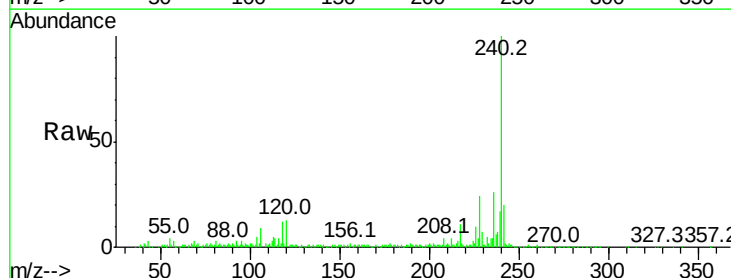
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.9  | 0.0   | 33.2  |
| 203     | 17.6  | 0.0   | 38.1  |

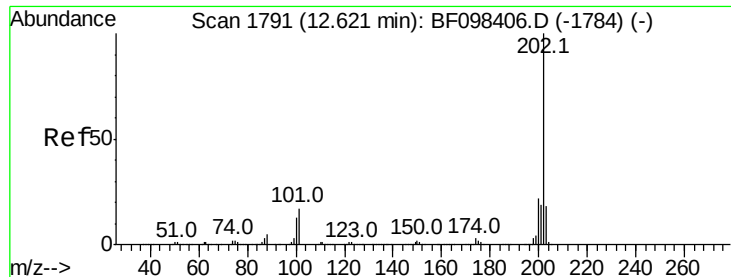


#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.81 min Scan# 1993  
 Delta R.T. -0.01 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.0  | 5.8   | 8.8#  |
| 236     | 25.8  | 20.5  | 30.7  |







#77

Pvrene

Concen: 25.018 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

Instrument :

BNA\_F

ClientSampleId :

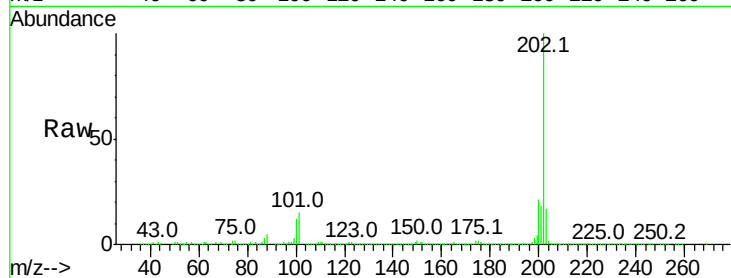
Tot Ion:202 Resp: 703972

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

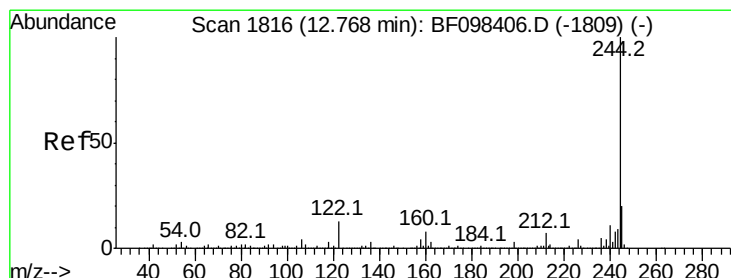
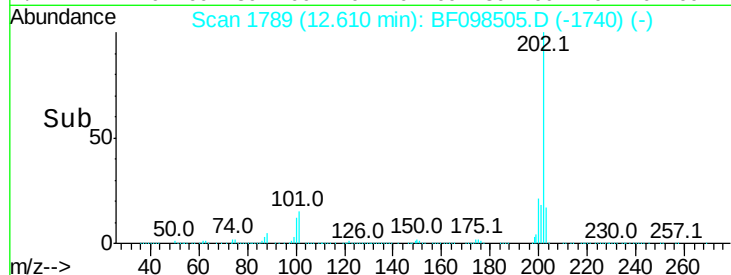
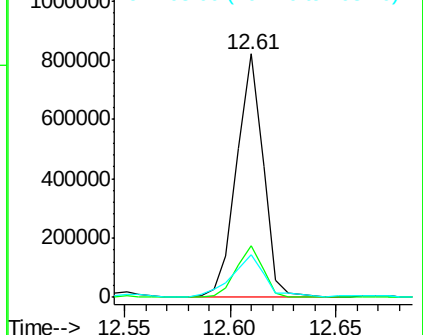
203 17.3 14.4 21.6



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: 59.456 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

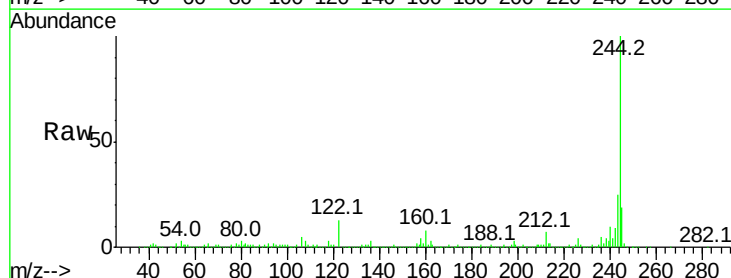
Tgt Ion:244 Resp: 982557

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

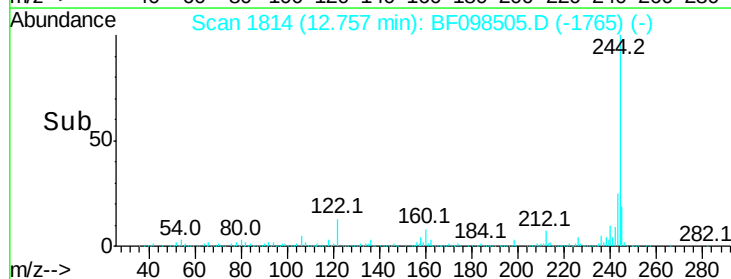
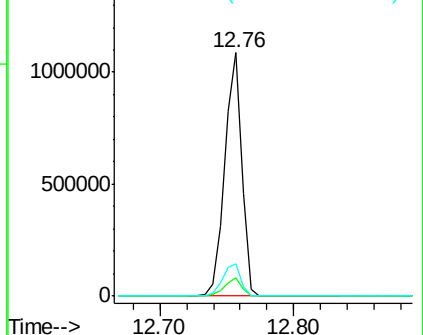
122 13.1 10.3 15.5

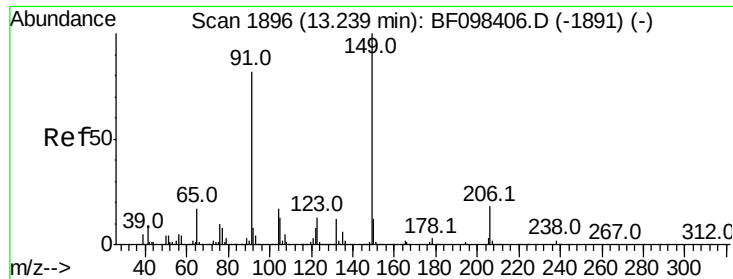


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

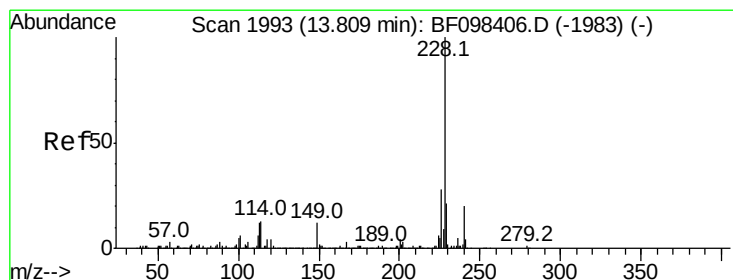
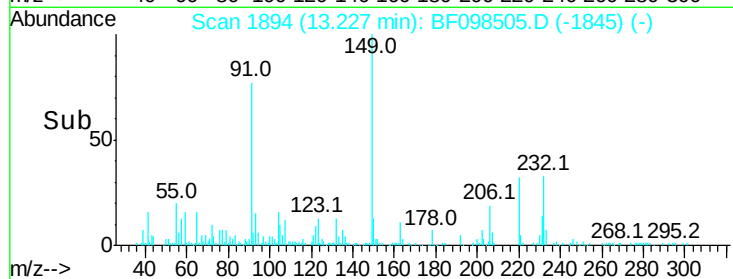
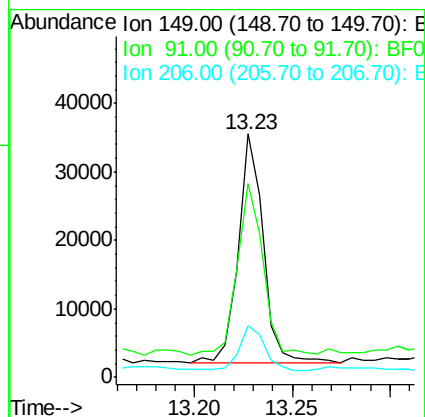
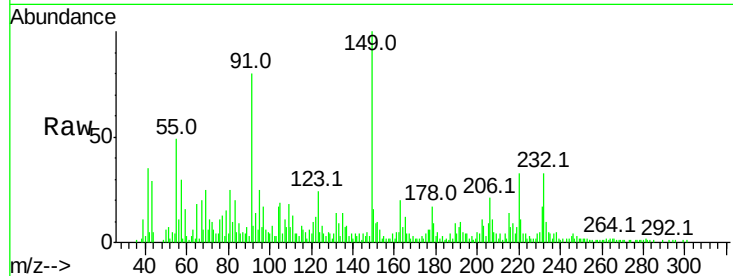




#79  
 Butylbenzylphthalate  
 Concen: 2.459 ng  
 RT: 13.23 min Scan# 1894  
 Delta R.T. -0.01 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

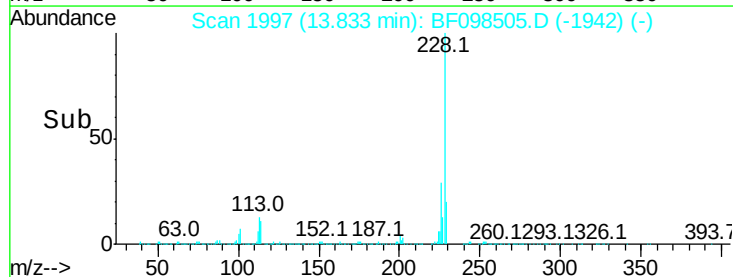
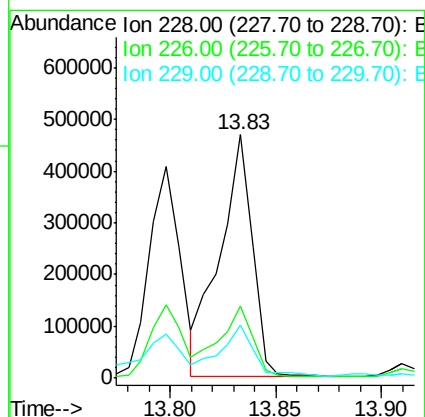
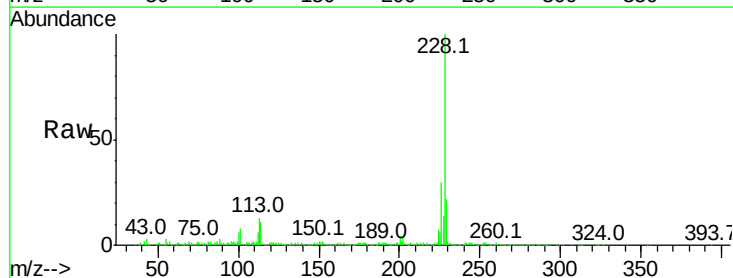
Instrument :  
 BNA\_F  
 ClientSampleId :

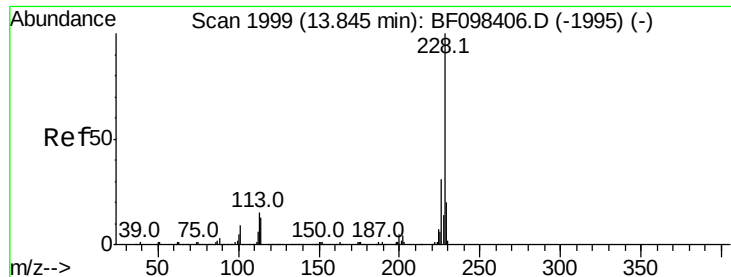
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 79.8  | 45.0  | 67.4# |
| 206     | 21.0  | 17.0  | 25.6  |



#80  
 Benzo(a)anthracene  
 Concen: 23.894 ng  
 RT: 13.83 min Scan# 1997  
 Delta R.T. 0.02 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 22.6  | 33.8  |
| 229     | 21.5  | 16.3  | 24.5  |





#82

Chrysene

Concen: 23.638 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

Instrument :

BNA\_F

ClientSampleId :

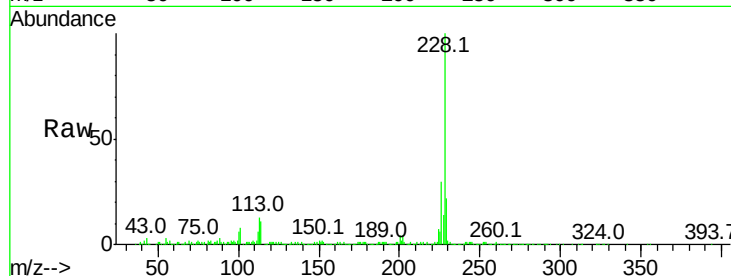
Tot Ion:228 Resp: 499686

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

229 21.5 15.8 23.6

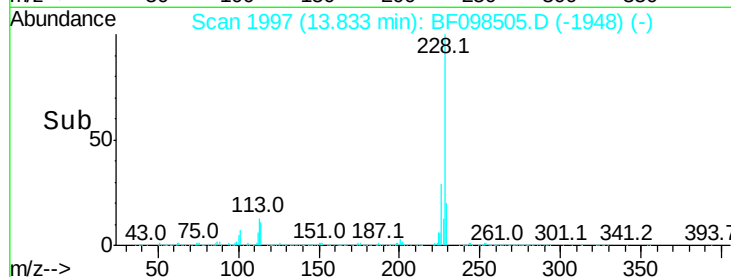


Abundance Ion 228.00 (227.70 to 228.70): E

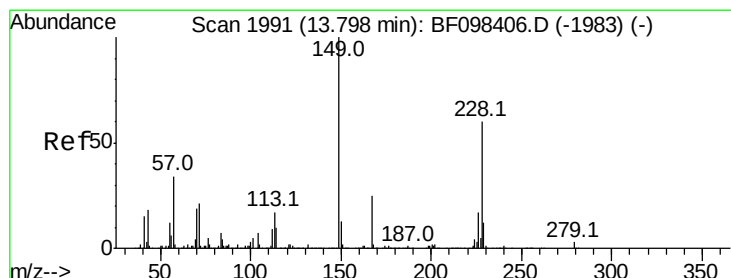
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.83



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.927 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

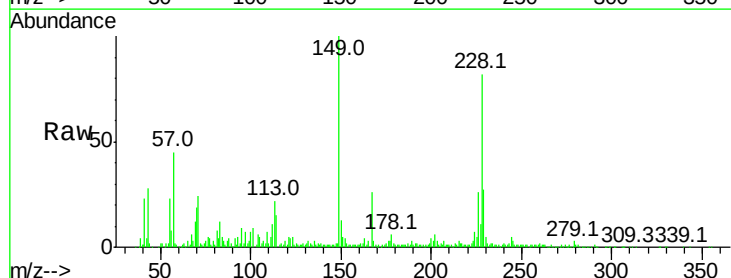
Tgt Ion:149 Resp: 121441

Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

279 2.6 1.9 2.9

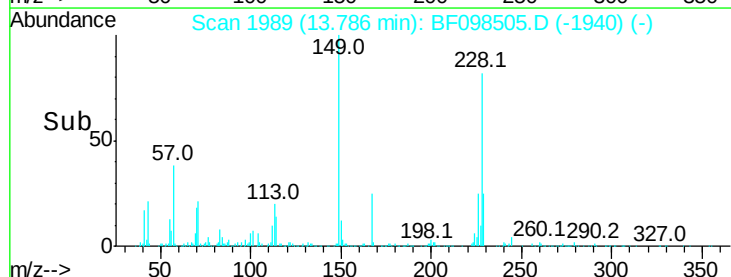


Abundance Ion 149.00 (148.70 to 149.70): E

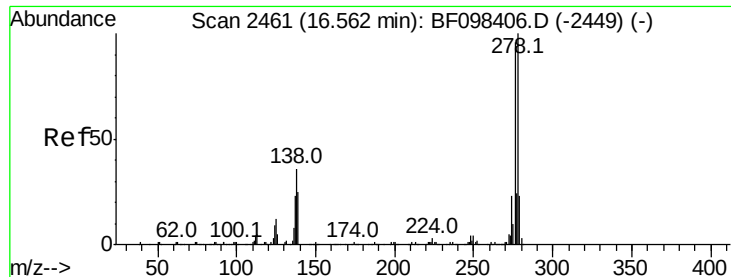
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

13.79



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.386 ng

RT: 16.55 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

Instrument :

BNA\_F

ClientSampleId :

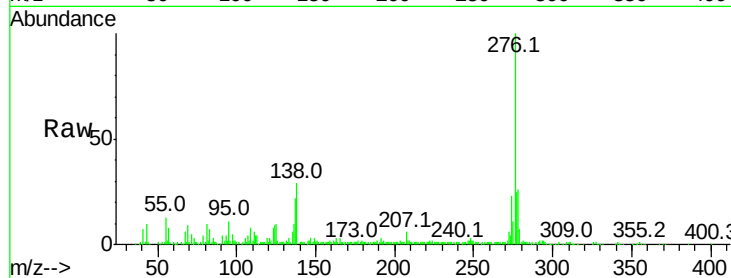
Tot Ion:276 Resp: 228184

Ion Ratio Lower Upper

276 100

138 27.6 27.8 41.6#

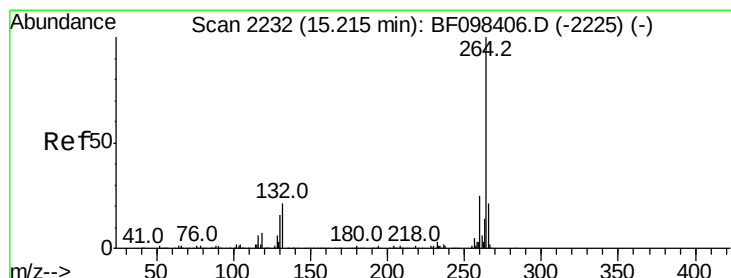
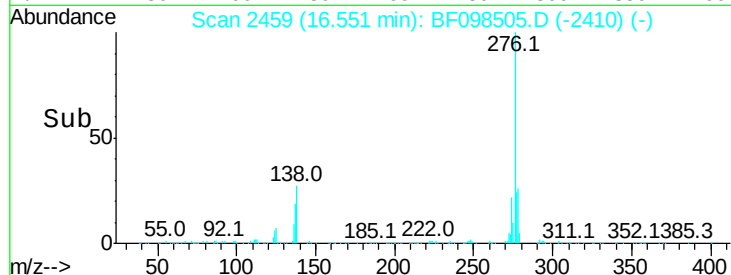
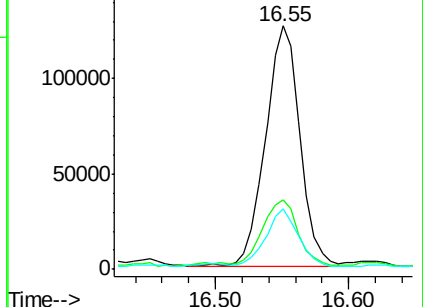
277 22.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

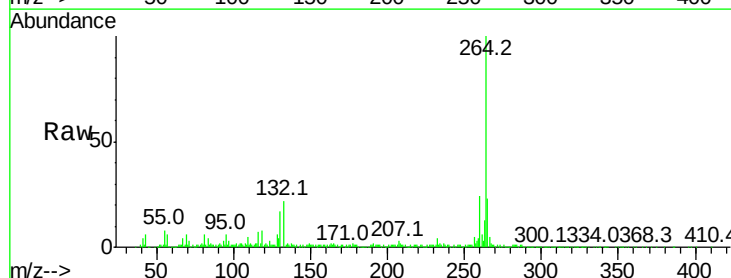
Tgt Ion:264 Resp: 327123

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

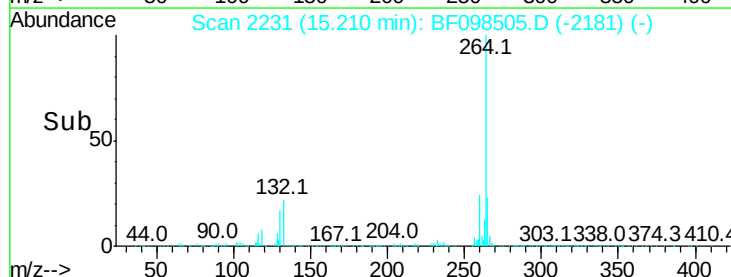
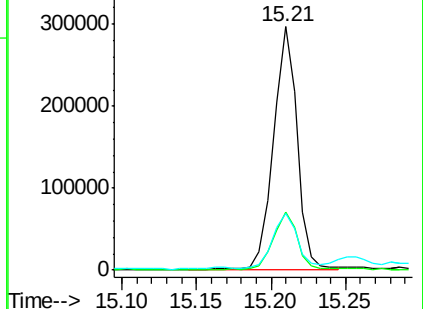
265 23.2 17.2 25.8

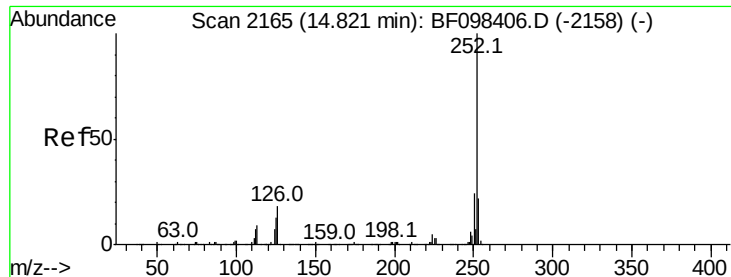


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 49.666 ng

RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

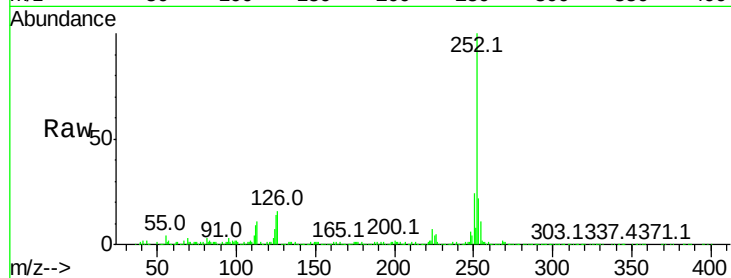
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:252 Resp: 1021567

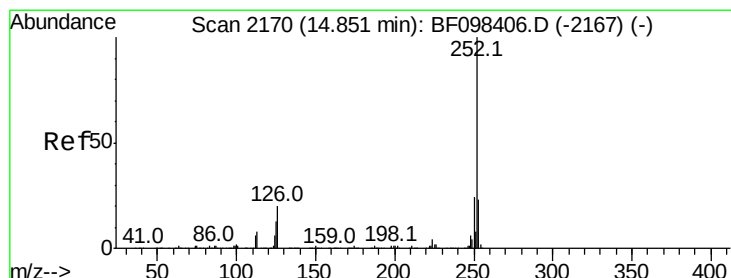
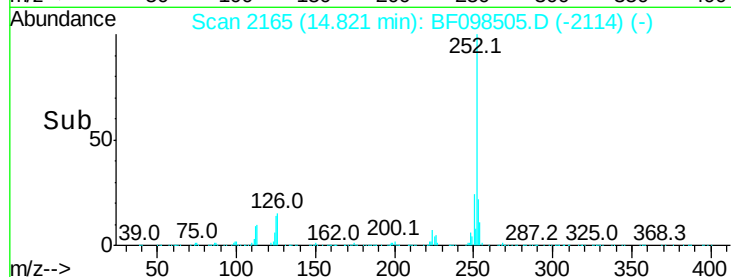
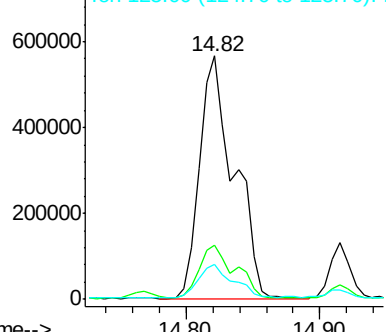
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.4  | 18.1  | 27.1  |
| 125 | 14.3  | 9.8   | 14.8  |



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



#88

Benzo(k)fluoranthene

Concen: 53.201 ng

RT: 14.82 min Scan# 2165

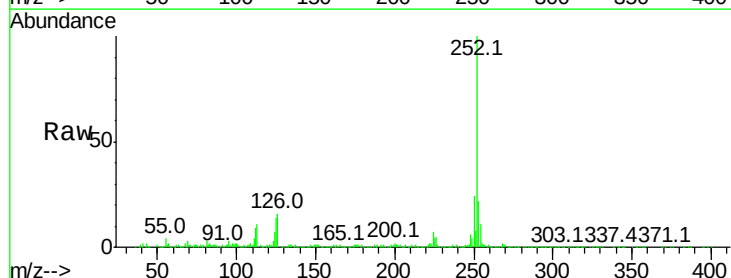
Delta R.T. -0.03 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

Tgt Ion:252 Resp: 1021567

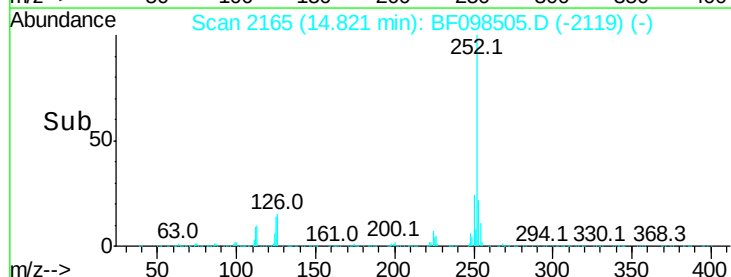
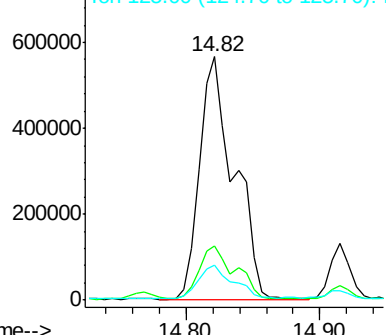
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.4  | 18.4  | 27.6  |
| 125 | 14.3  | 13.1  | 19.7  |

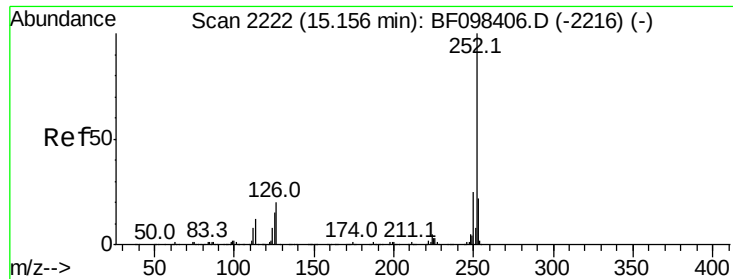


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.950 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

Instrument :

BNA\_F

ClientSampleId :

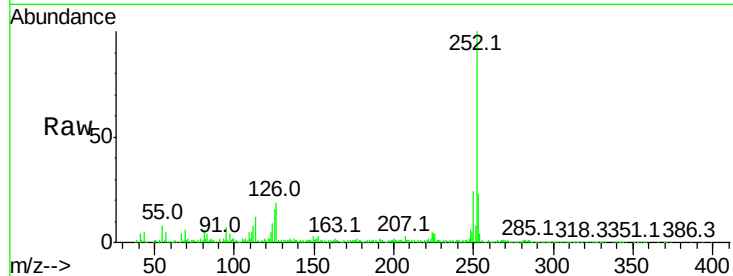
Tot Ion:252 Resp: 347240

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

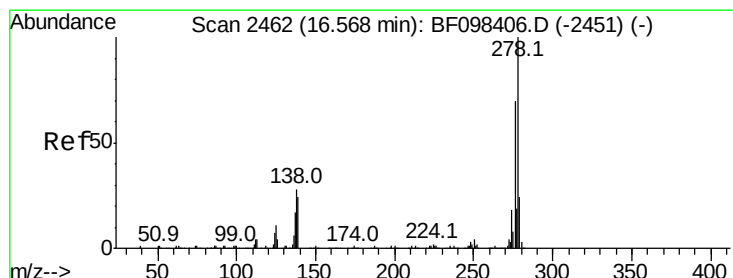
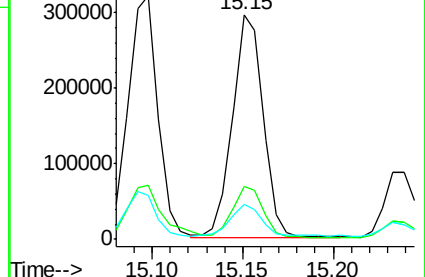
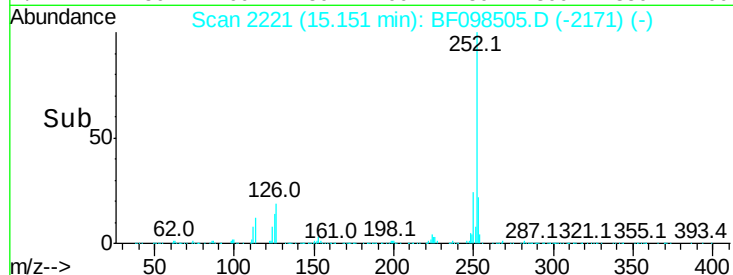
125 15.8 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 4.664 ng

RT: 16.55 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BF098505.D

Acq: 13 Sep 2017 22:36

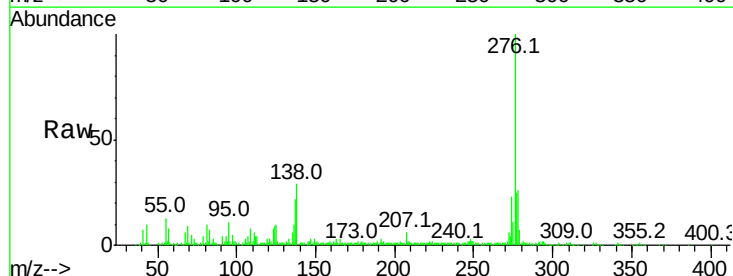
Tgt Ion:278 Resp: 62167

Ion Ratio Lower Upper

278 100

139 0.0 16.6 24.8#

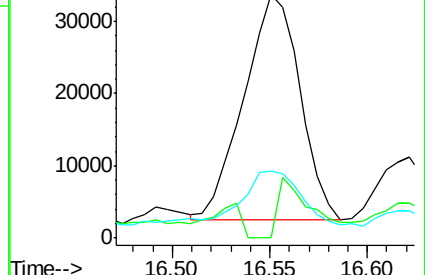
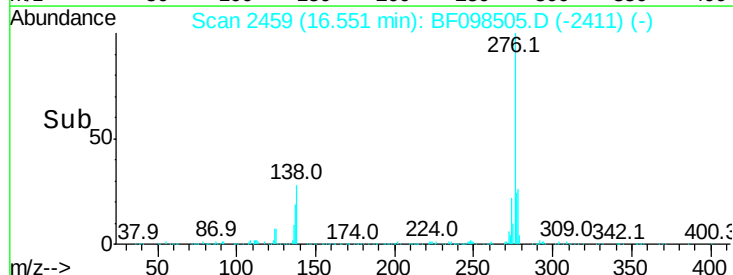
279 27.5 19.3 28.9

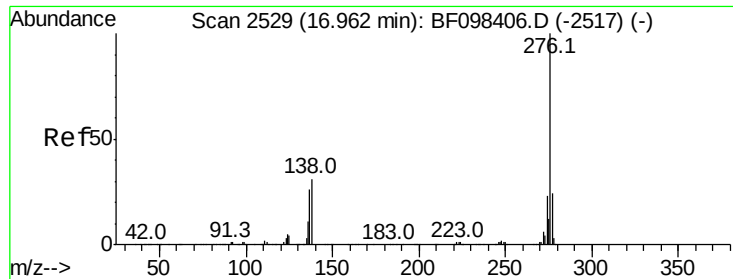


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(a,h,i)perylene  
 Concen: 14.273 ng  
 RT: 16.96 min Scan# 2528  
 Delta R.T. -0.01 min  
 Lab File: BF098505.D  
 Acq: 13 Sep 2017 22:36

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.8  | 18.6  | 28.0  |
| 138     | 28.4  | 25.4  | 38.0  |

