

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\  
 Data File : BF102882.D  
 Acq On : 9 Feb 2018 12:17  
 Operator : SJ/JU  
 Sample : J1404-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 09 13:52:00 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

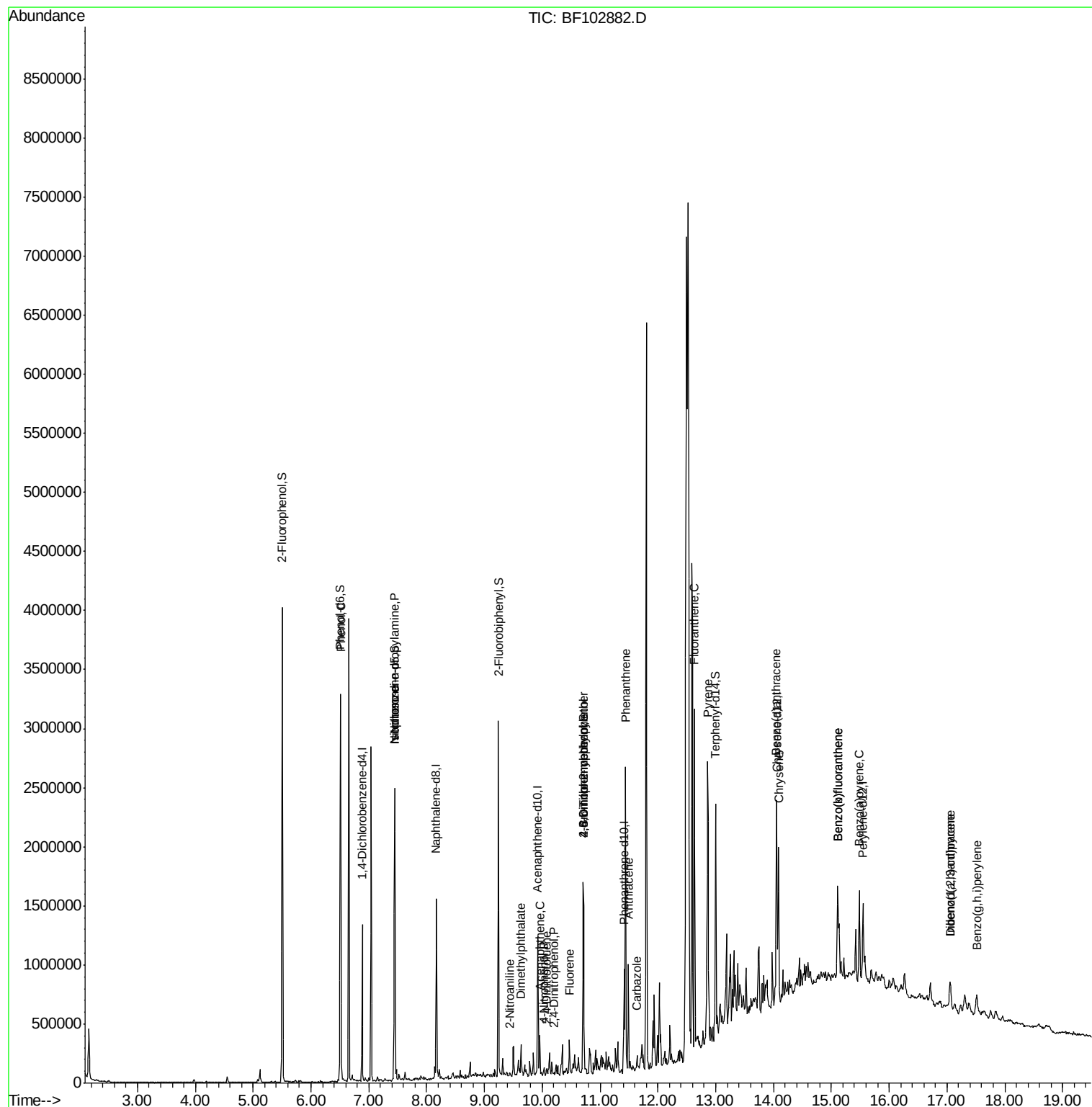
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 166563   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 622674   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.92  | 164  | 223779   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.42 | 188  | 327560   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 14.06 | 240  | 303087   | 20.00     | ng    | 0.01     |
| 86) Perylene-d12               | 15.55 | 264  | 295957   | 20.00     | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 1102927  | 100.56    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.52  | 99   | 1230477  | 93.18     | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 791588   | 88.19     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.72 | 330  | 154744   | 85.91     | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 949412   | 70.40     | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.00 | 244  | 677324   | 52.91     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 10) Phenol                     | 6.52  | 94   | 45166    | 3.191     | ng    | 88       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 108070   | 12.412    | ng    | # 87     |
| 24) Nitrobenzene               | 7.49  | 77   | 139      | Below Cal | #     | 1        |
| 25) Isophorone                 | 7.45  | 82   | 789474   | 38.196    | ng    | # 64     |
| 47) 2-Nitroaniline             | 9.45  | 65   | 1750     | 3.827     | ng    | # 2      |
| 49) Dimethylphthalate          | 9.63  | 163  | 66620    | 3.818     | ng    | # 98     |
| 51) Acenaphthene               | 9.96  | 154  | 57115    | 4.144     | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 10.20 | 184  | 110      | 8.107     | ng    | # 1      |
| 55) 4-Nitrophenol              | 10.03 | 139  | 2144     | 4.631     | ng    | # 77     |
| 56) 2,4-Dinitrotoluene         | 10.08 | 165  | 3022     | 3.711     | ng    | # 43     |
| 57) Fluorene                   | 10.47 | 166  | 58395    | 4.132     | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.71 | 198  | 467      | 9.109     | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.71 | 248  | 10698    | 3.087     | ng    | # 1      |
| 70) Phenanthrene               | 11.44 | 178  | 847567   | 46.460    | ng    | 99       |
| 71) Anthracene                 | 11.49 | 178  | 323078   | 17.412    | ng    | 99       |
| 72) Carbazole                  | 11.64 | 167  | 38755    | 2.132     | ng    | 95       |
| 74) Fluoranthene               | 12.63 | 202  | 1127253  | 61.415    | ng    | 99       |
| 77) Pyrene                     | 12.86 | 202  | 1025209  | 43.136    | ng    | 100      |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 552883   | 29.005    | ng    | 98       |
| 82) Chrysene                   | 14.09 | 228  | 491605   | 25.585    | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.06 | 276  | 149660   | 9.391     | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 15.11 | 252  | 677701   | 35.319    | ng    | # 94     |
| 88) Benzo(k)fluoranthene       | 15.11 | 252  | 677701   | 36.964    | ng    | # 97     |
| 89) Benzo(a)pyrene             | 15.49 | 252  | 354813   | 20.543    | ng    | # 94     |
| 90) Dibenzo(a,h)anthracene     | 17.06 | 278  | 40870    | 2.915     | ng    | # 79     |
| 91) Benzo(g,h,i)perylene       | 17.51 | 276  | 131345   | 9.572     | ng    | 93       |

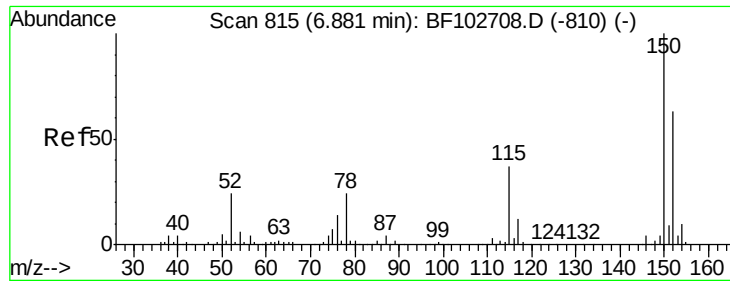
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\  
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Misc :  
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BNA\_F  
ClientSampleId :

Quant Time: Feb 09 13:52:00 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 05 12:44:16 2018  
Response via : Initial Calibration



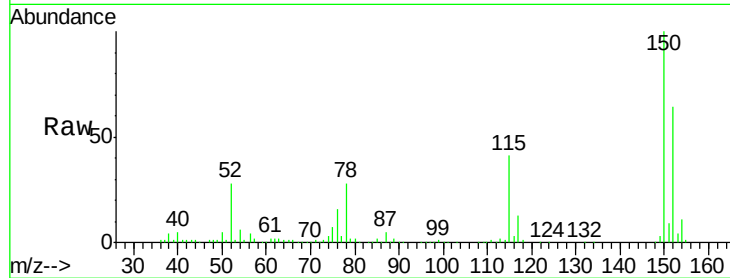


#1

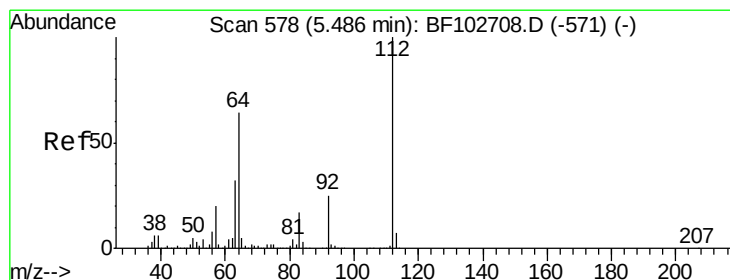
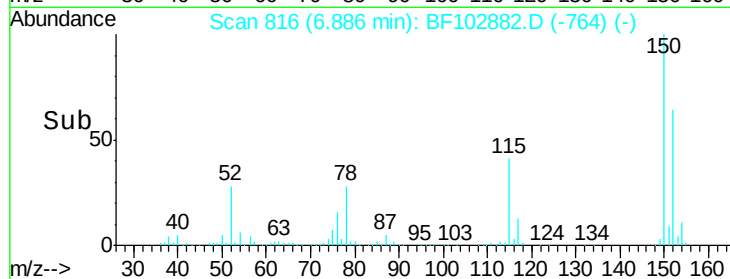
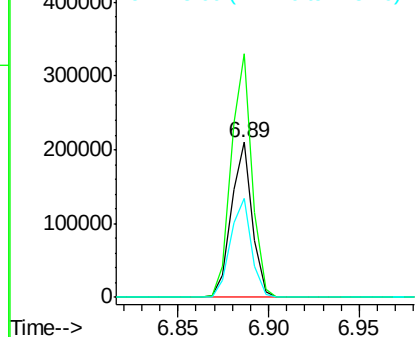
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 166563  
Ion Ratio Lower Upper  
152 100  
150 157.3 124.6 186.8  
115 63.8 50.1 75.1



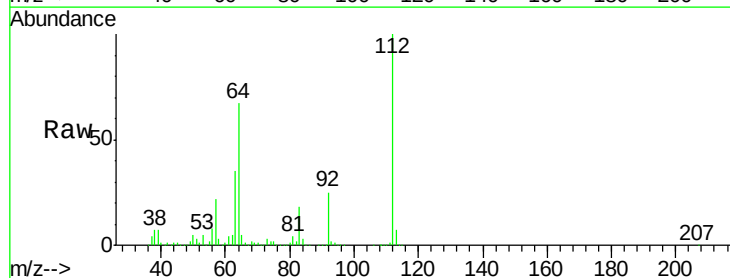
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



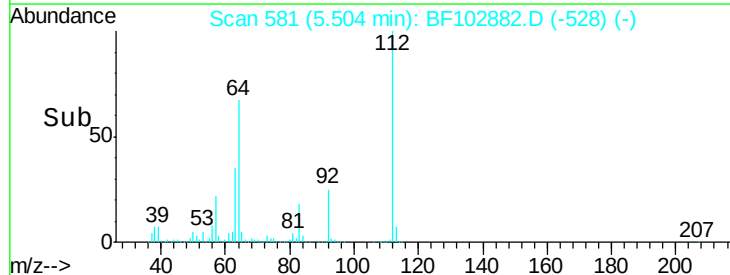
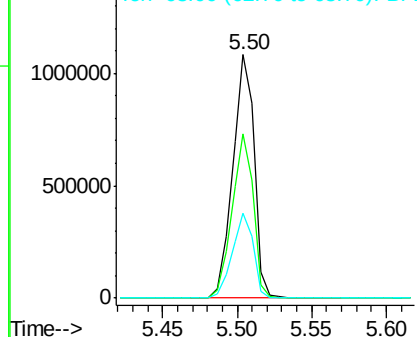
#5

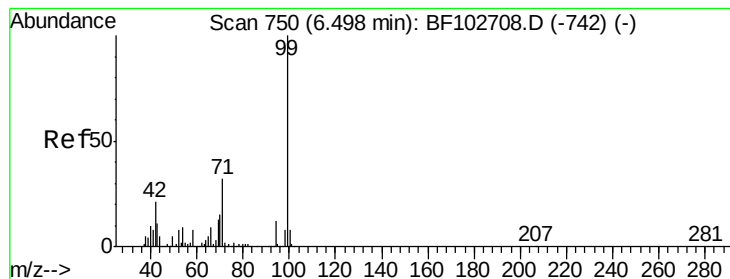
2-Fluorophenol  
Concen: 100.561 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Tgt Ion:112 Resp: 1102927  
Ion Ratio Lower Upper  
112 100  
64 67.4 47.9 71.9  
63 34.7 23.7 35.5



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





#7

Phenol-d6

Concen: 93.177 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Instrument :

BNA\_F

ClientSampled :

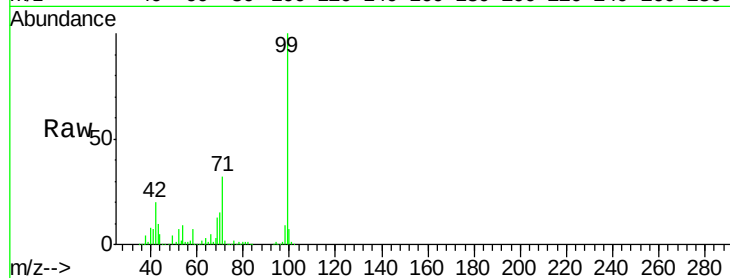
Tot Ion: 99 Resp: 1230477

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.5  | 14.5  | 21.7  |
| 71  | 31.8  | 25.4  | 38.0  |

99 100

42 20.5 14.5 21.7

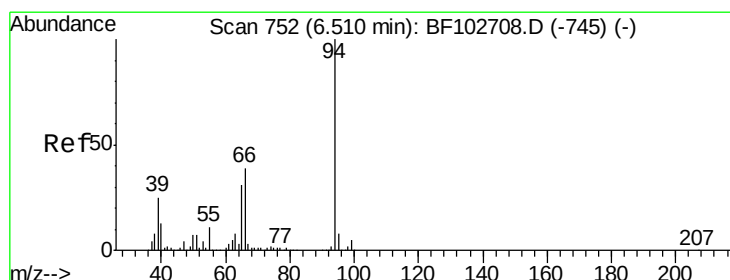
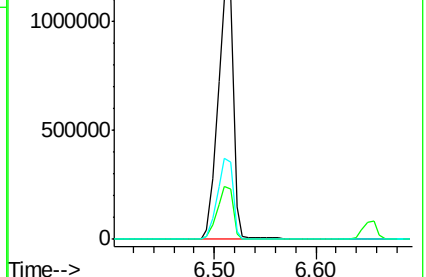
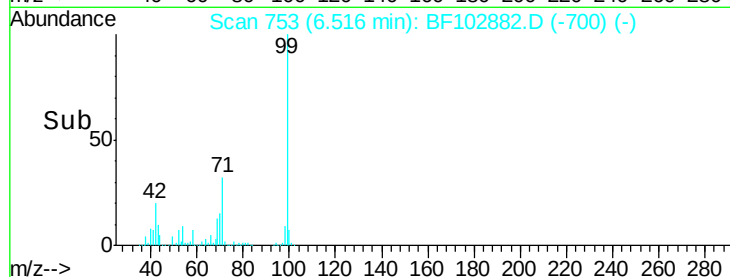
71 31.8 25.4 38.0



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



#10

Phenol

Concen: 3.191 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

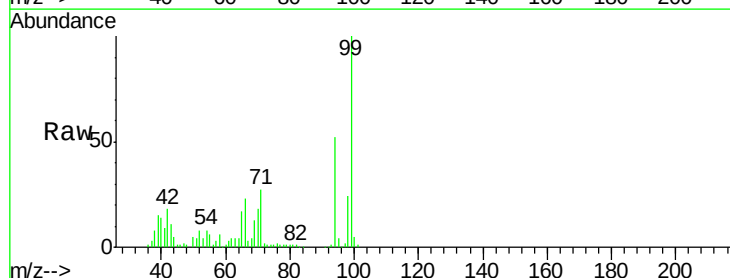
Tgt Ion: 94 Resp: 45166

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 32.4  | 7.9   | 47.9  |
| 66  | 45.2  | 16.2  | 56.2  |

94 100

65 32.4 7.9 47.9

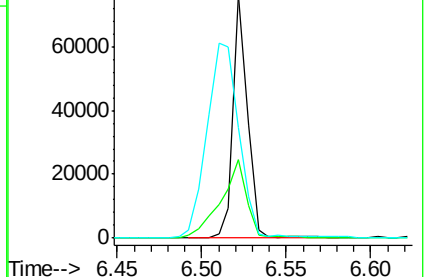
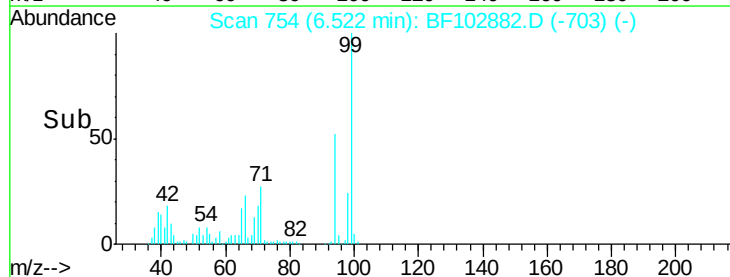
66 45.2 16.2 56.2

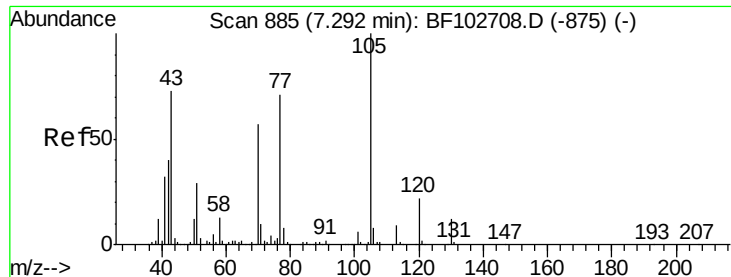


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.412 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 108070

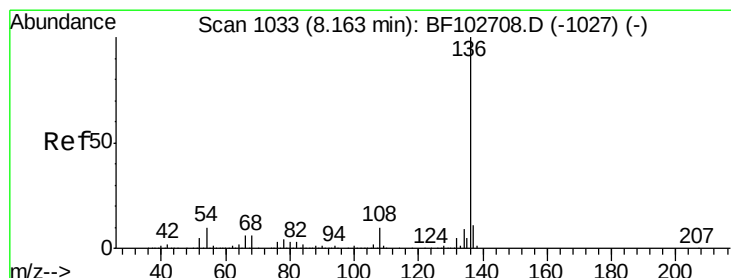
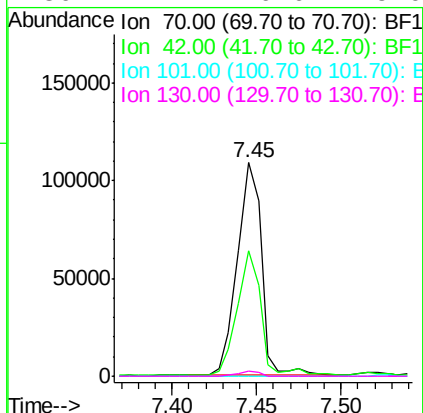
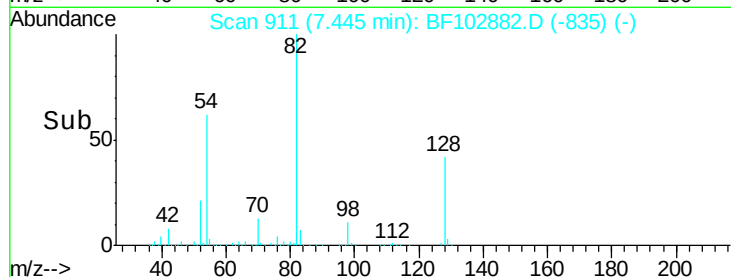
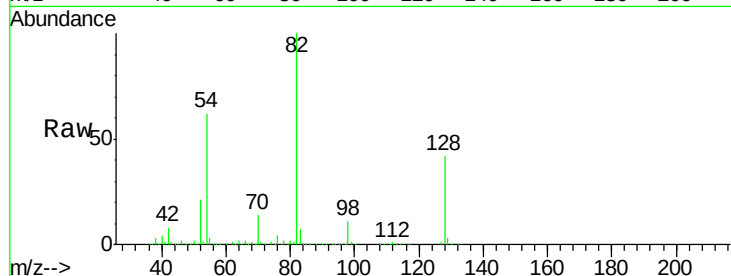
Ion Ratio Lower Upper

70 100

42 58.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Tgt Ion:136 Resp: 622674

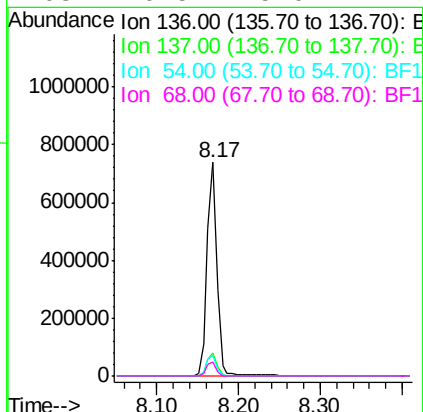
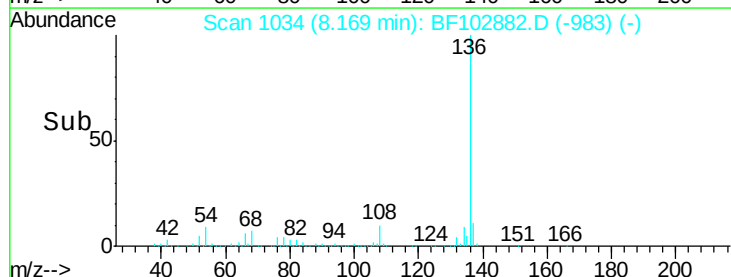
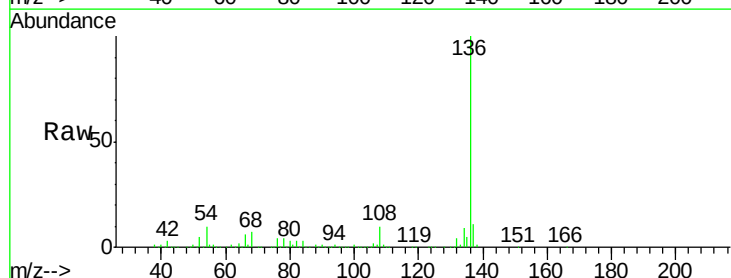
Ion Ratio Lower Upper

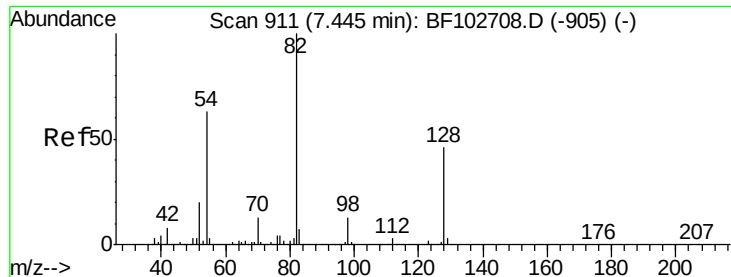
136 100

137 10.6 8.9 13.3

54 9.6 6.6 9.8

68 6.5 5.0 7.4

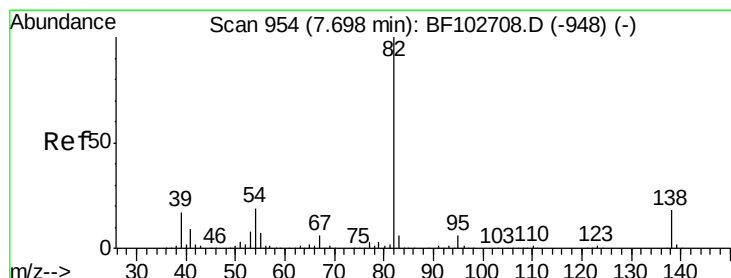
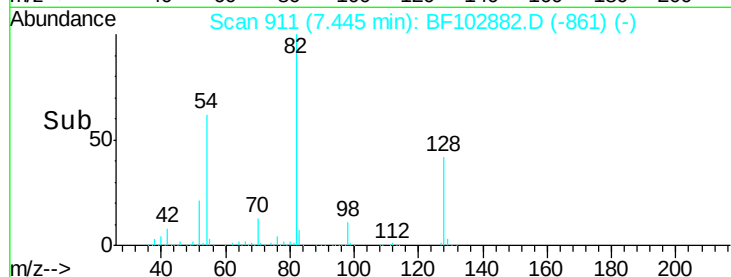
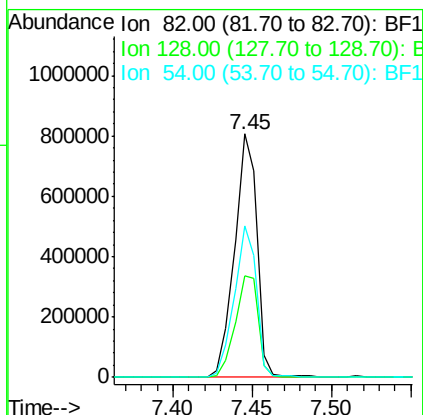
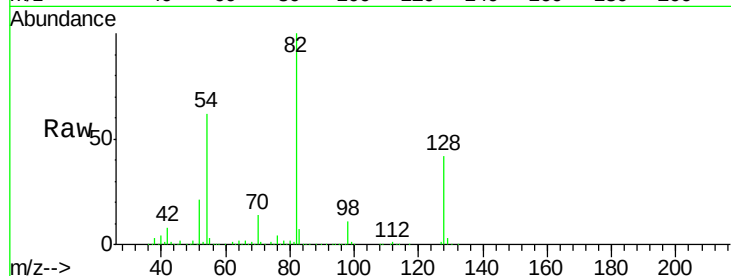




#23  
 Nitrobenzene-d5  
 Concen: 88.189 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

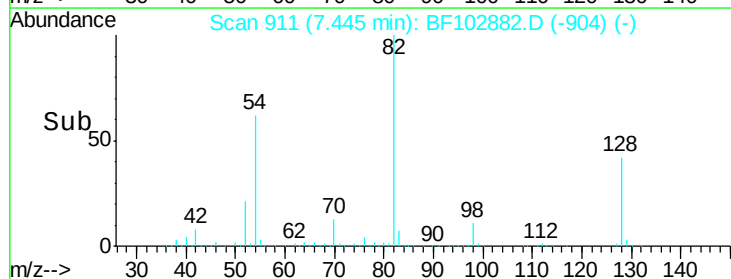
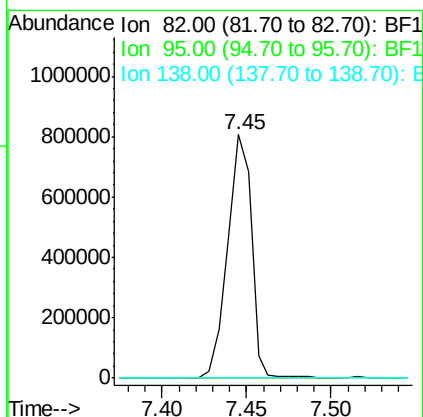
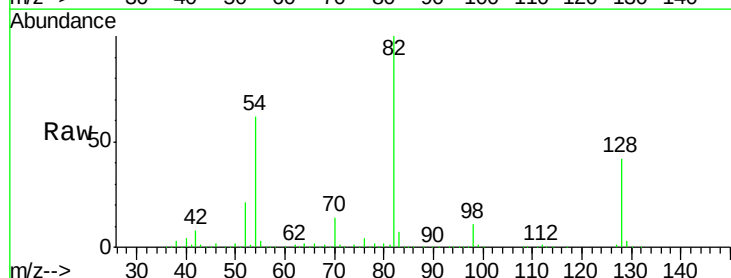
Instrument :  
 BNA\_F  
 ClientSampled :

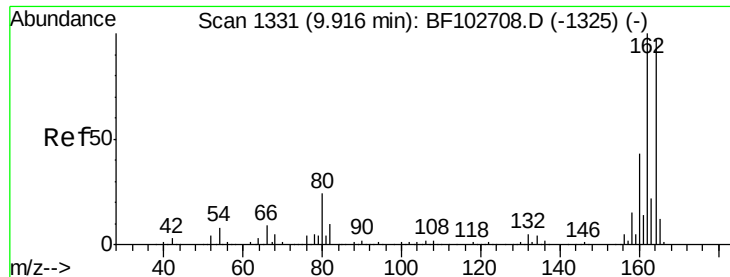
| Tot Ion   | 82    | Resp  | 791588 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.8  | 36.1  | 54.1   |
| 54        | 62.1  | 41.4  | 62.2   |



#25  
 Isophorone  
 Concen: 38.196 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.26 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

| Tgt Ion   | 82    | Resp  | 789474 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.1   | 5.2   | 7.8#   |
| 138       | 0.0   | 14.9  | 22.3#  |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Instrument :

BNA\_F

ClientSampleId :

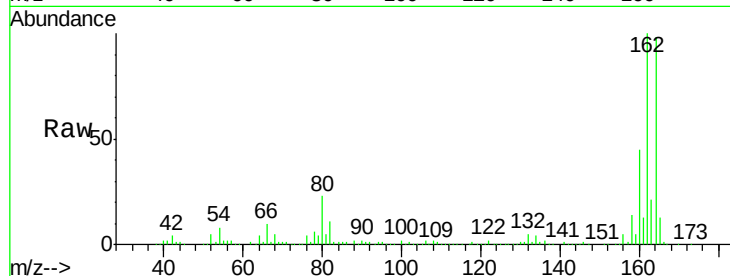
Tot Ion:164 Resp: 223779

Ion Ratio Lower Upper

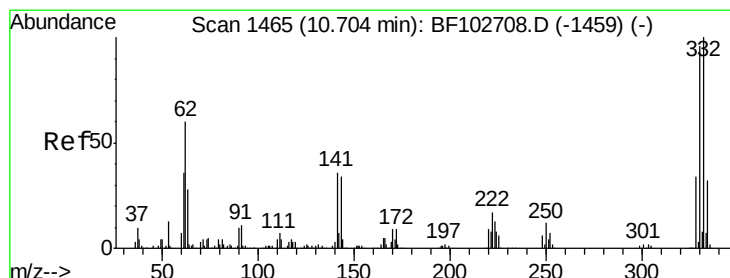
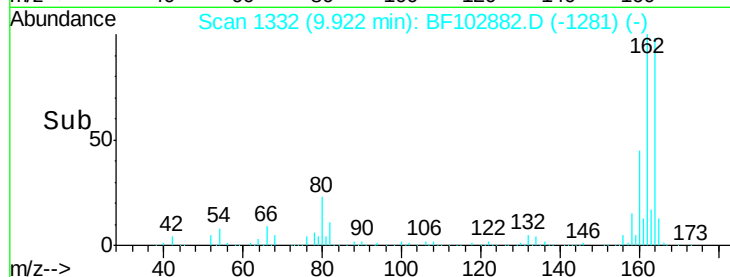
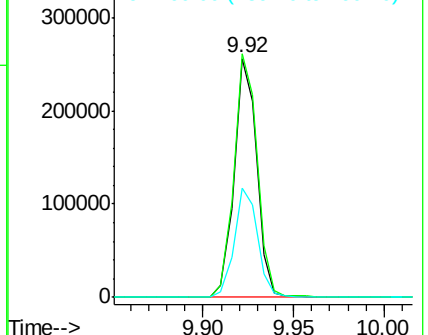
164 100

162 101.9 86.1 129.1

160 45.8 38.3 57.5



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: 85.914 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

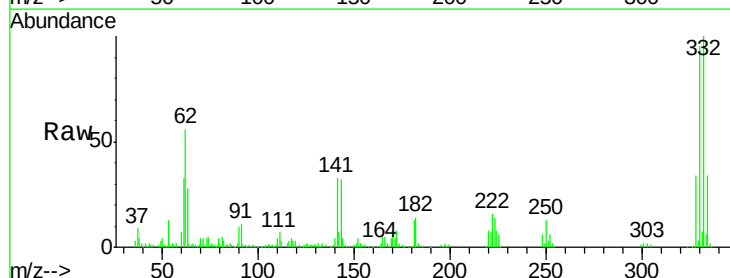
Tgt Ion:330 Resp: 154744

Ion Ratio Lower Upper

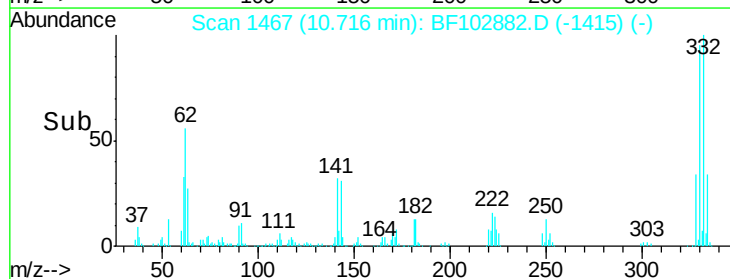
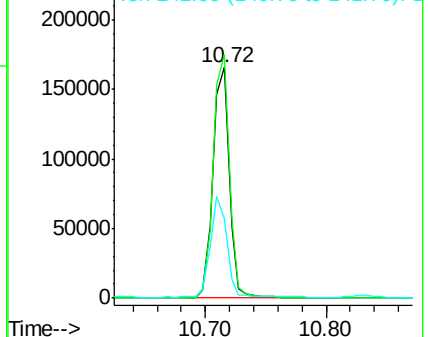
330 100

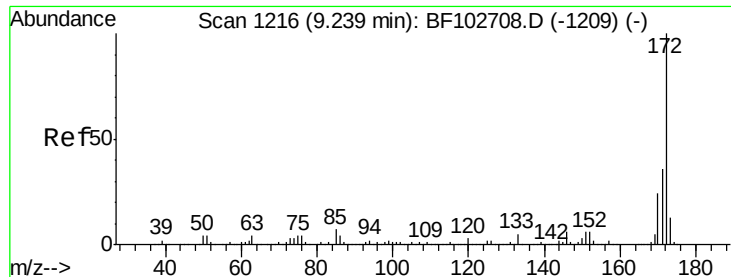
332 104.6 77.0 115.6

141 44.5 29.9 44.9



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

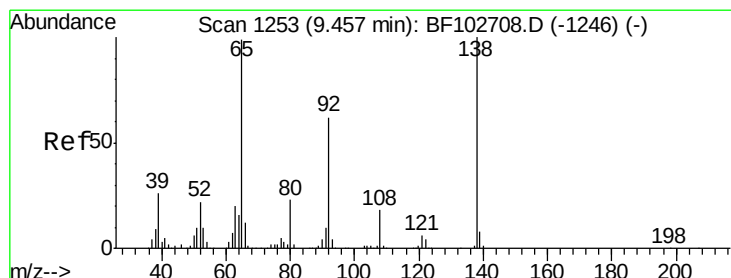
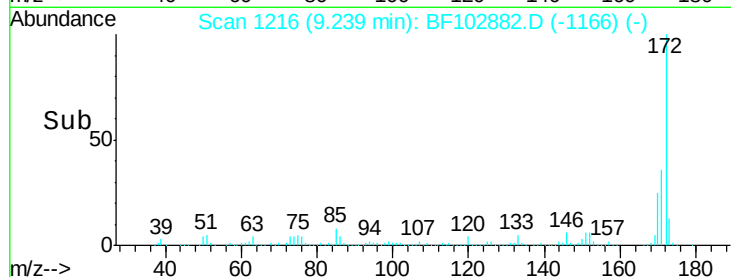
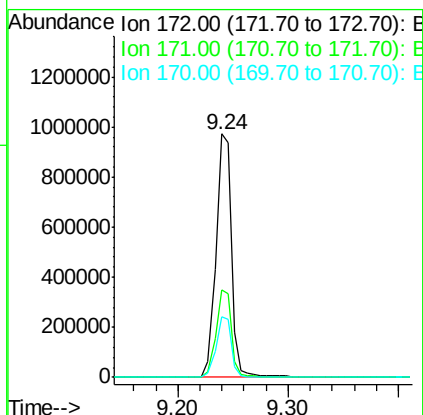
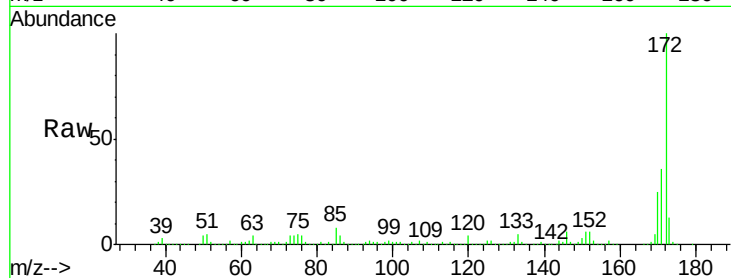




#44  
2-Fluorobiphenyl  
Concen: 70.400 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

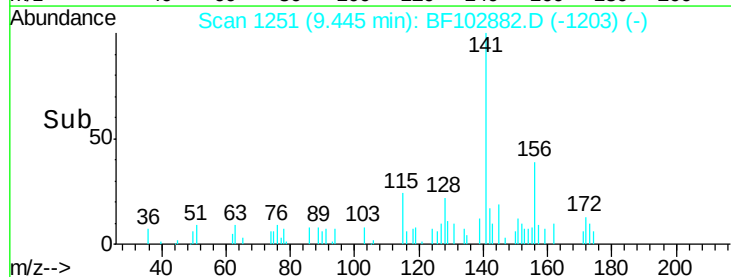
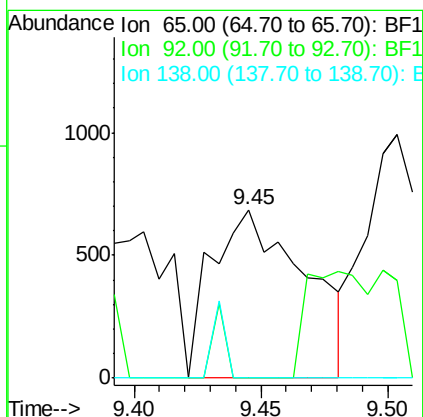
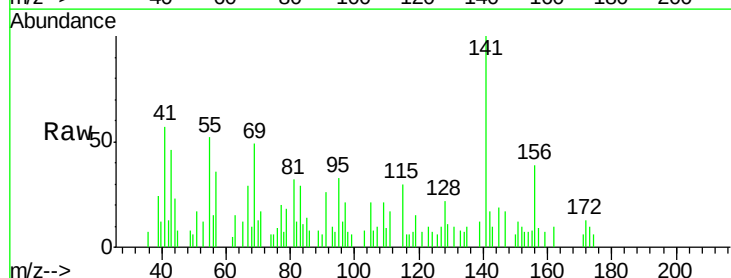
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 949412  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.7 44.5  
170 24.9 19.6 29.4

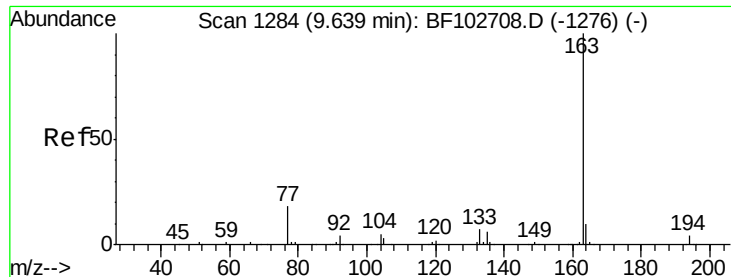


#47  
2-Nitroaniline  
Concen: 3.827 ng  
RT: 9.45 min Scan# 1251  
Delta R.T. -0.02 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Tgt Ion: 65 Resp: 1750  
Ion Ratio Lower Upper  
65 100  
92 0.0 55.8 83.6#  
138 0.0 91.2 136.8#



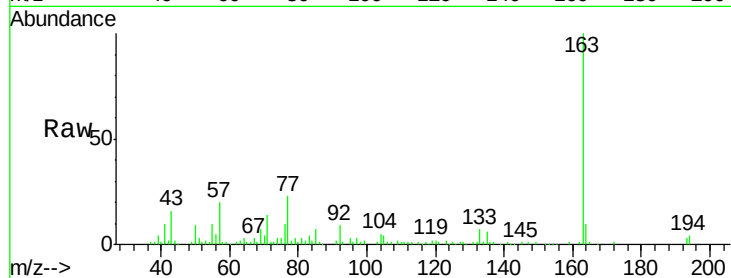




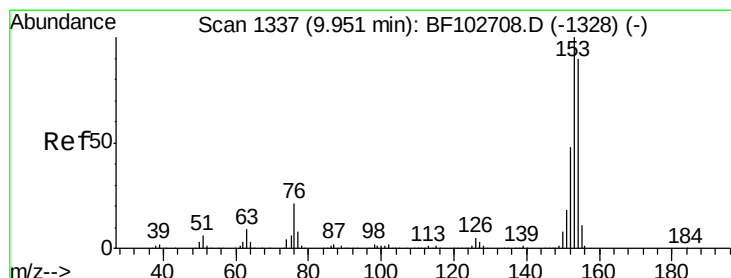
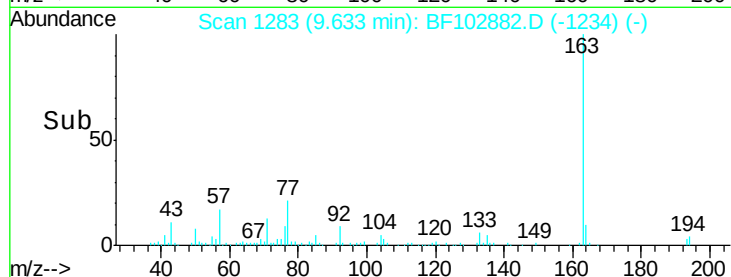
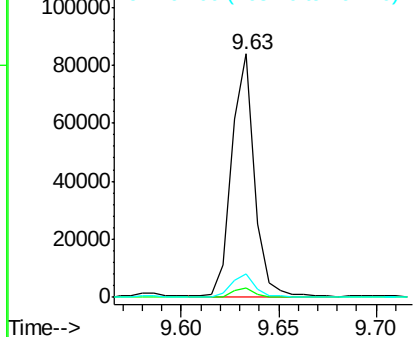
#49  
Dimethylphthalate  
Concen: 3.818 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:163 Resp: 66620  
Ion Ratio Lower Upper  
163 100  
194 4.1 2.7 4.1#  
164 9.6 8.2 12.2

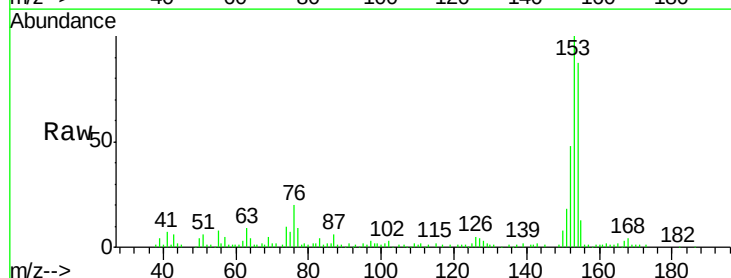


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

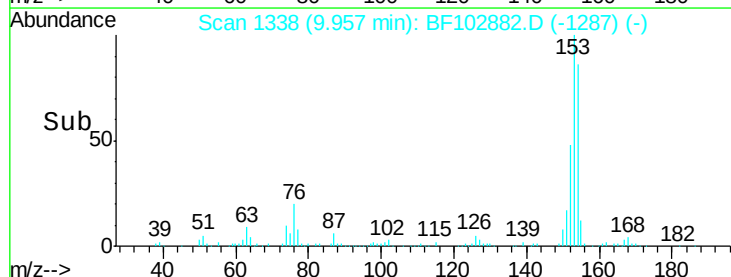
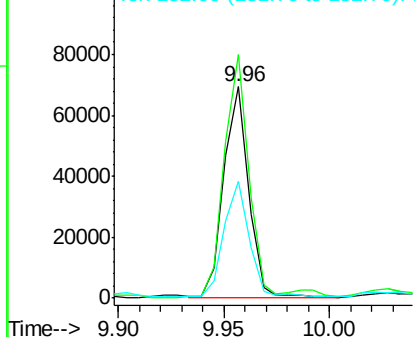


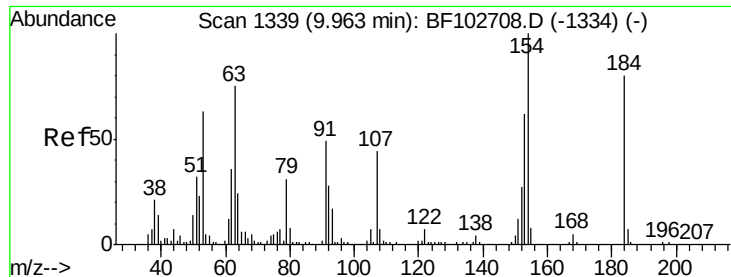
#51  
Acenaphthene  
Concen: 4.144 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. -0.00 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Tgt Ion:154 Resp: 57115  
Ion Ratio Lower Upper  
154 100  
153 115.3 91.2 136.8  
152 55.6 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

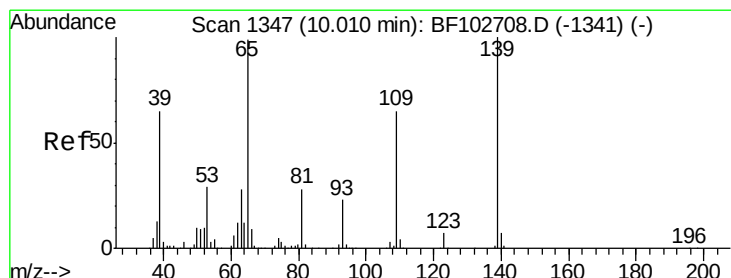
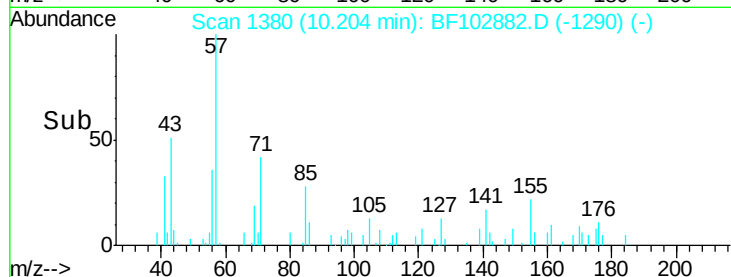
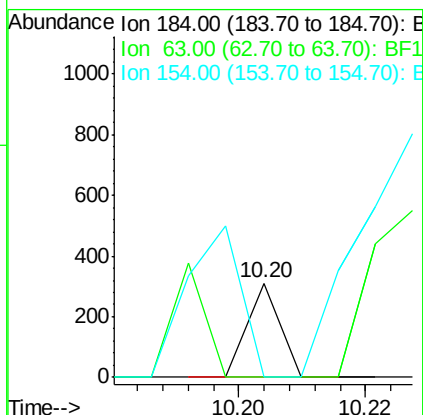
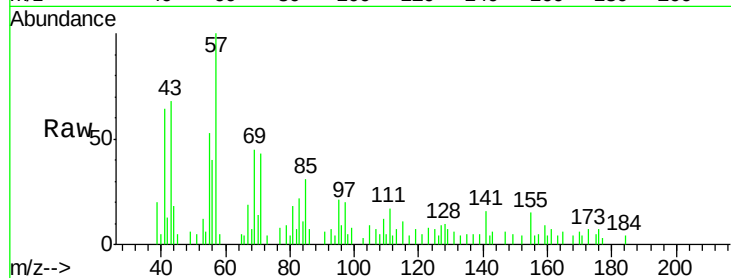




#53  
 2,4-Dinitrophenol  
 Concen: 8.107 ng  
 RT: 10.20 min Scan# 1380  
 Delta R.T. 0.23 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

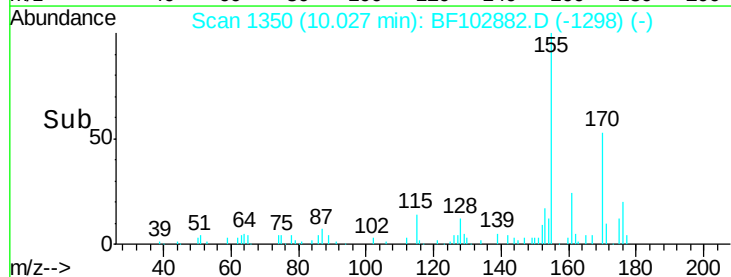
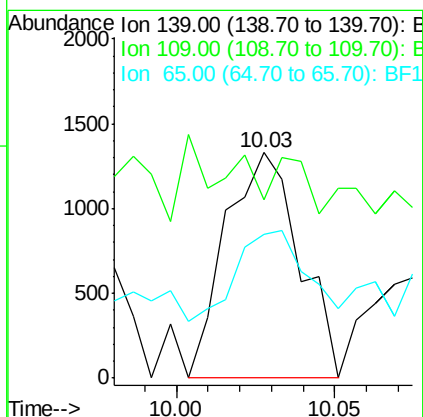
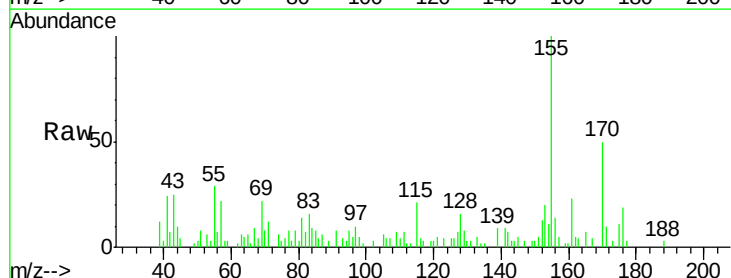
Instrument :  
 BNA\_F  
 ClientSampled :

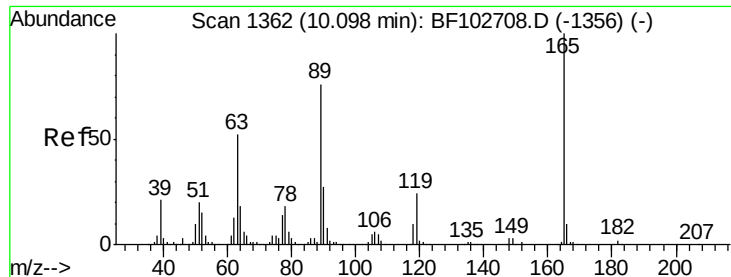
Tot Ion:184 Resp: 110  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 54.2 81.2#  
 154 0.0 184.0 276.0#



#55  
 4-Nitrophenol  
 Concen: 4.631 ng  
 RT: 10.03 min Scan# 1350  
 Delta R.T. 0.01 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

Tgt Ion:139 Resp: 2144  
 Ion Ratio Lower Upper  
 139 100  
 109 78.9 48.4 88.4  
 65 63.9 72.6 112.6#

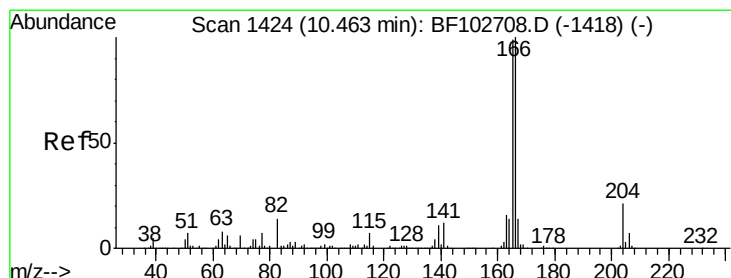
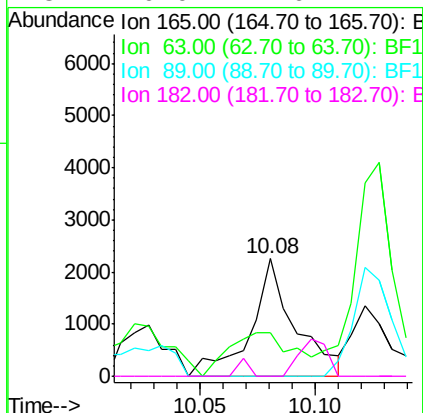
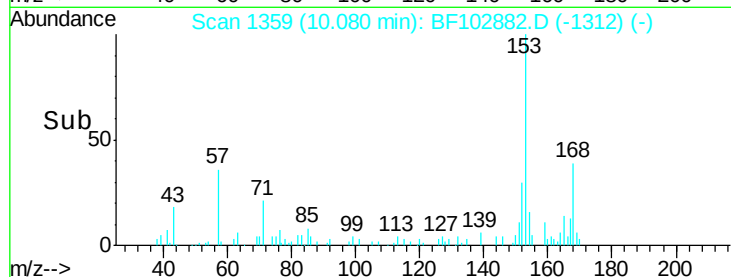
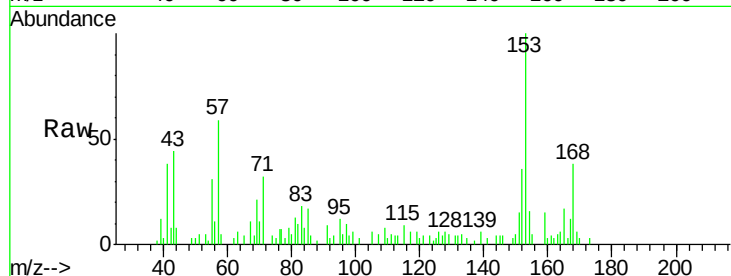




#56  
2,4-Dinitrotoluene  
Concen: 3.711 ng  
RT: 10.08 min Scan# 1359  
Delta R.T. -0.02 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

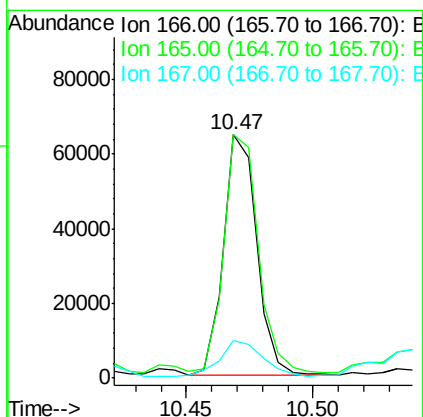
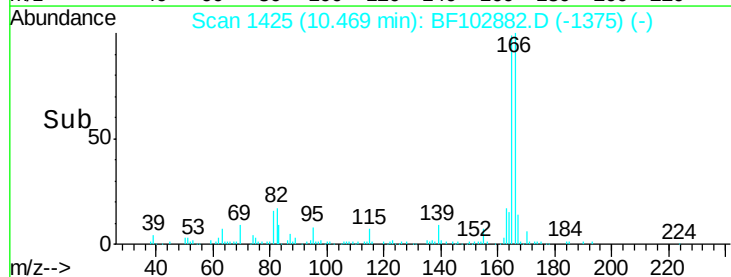
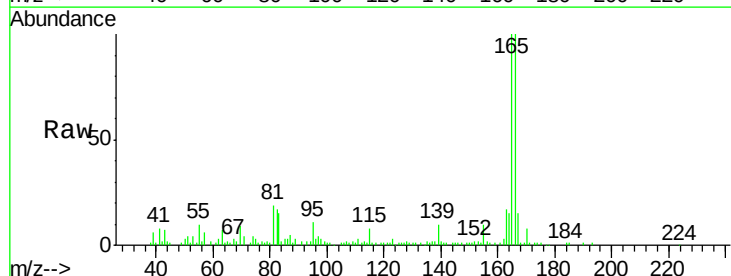
Instrument :  
BNA\_F  
ClientSampleId :

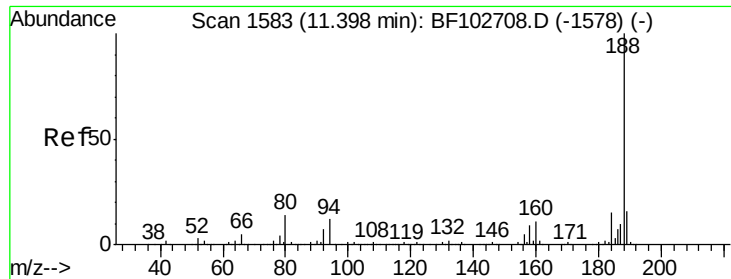
Tot Ion:165 Resp: 3022  
Ion Ratio Lower Upper  
165 100  
63 37.6 36.4 54.6  
89 0.0 57.8 86.6#  
182 0.0 1.6 2.4#



#57  
Fluorene  
Concen: 4.132 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Tgt Ion:166 Resp: 58395  
Ion Ratio Lower Upper  
166 100  
165 99.9 79.8 119.8  
167 15.2 10.6 16.0

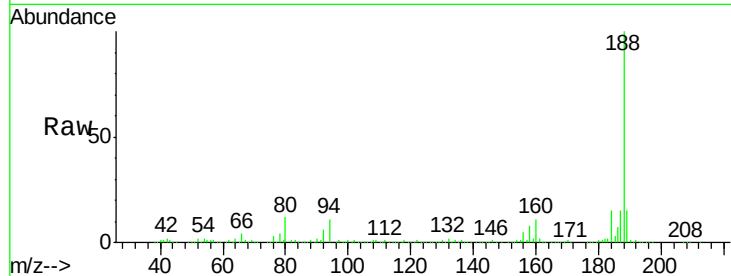




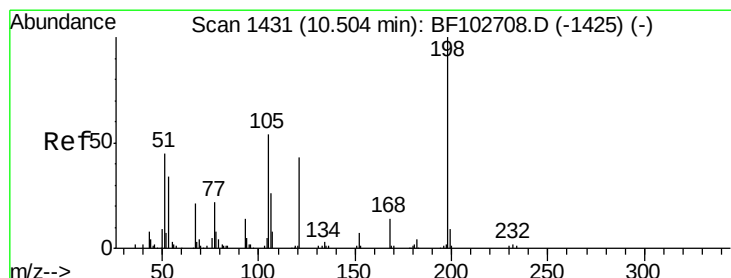
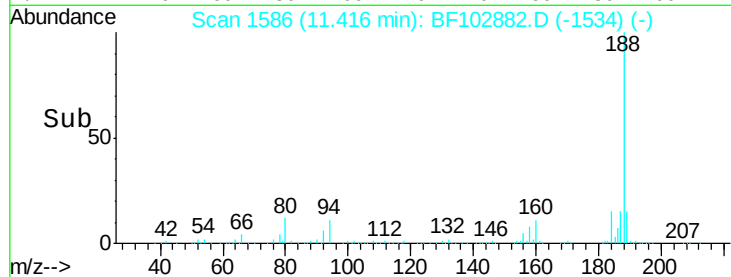
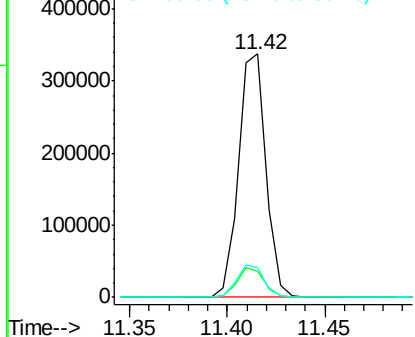
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. 0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 327560  
Ion Ratio Lower Upper  
188 100  
94 10.7 8.5 12.7  
80 12.1 9.2 13.8

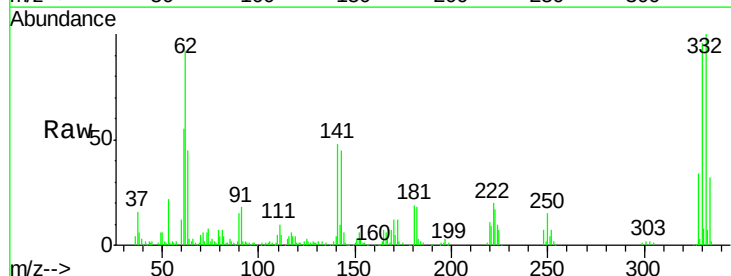


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

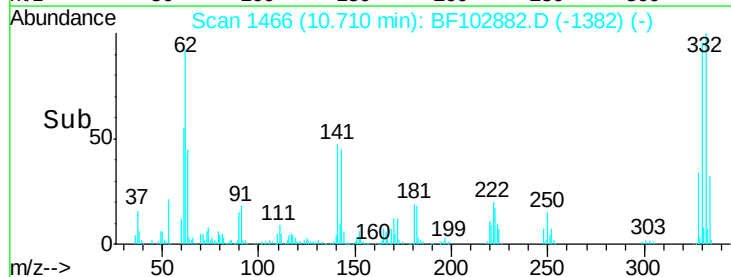
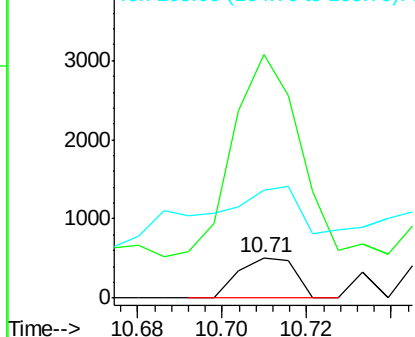


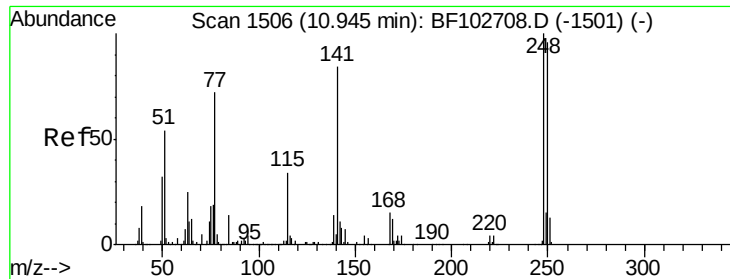
#64  
4,6-Dinitro-2-methylphenol  
Concen: 9.109 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. 0.19 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Tgt Ion:198 Resp: 467  
Ion Ratio Lower Upper  
198 100  
51 602.0 37.7 77.7#  
105 266.1 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

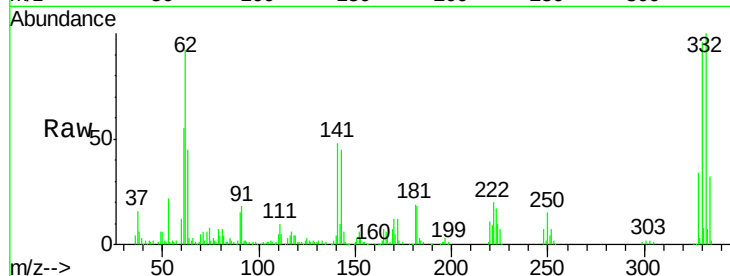




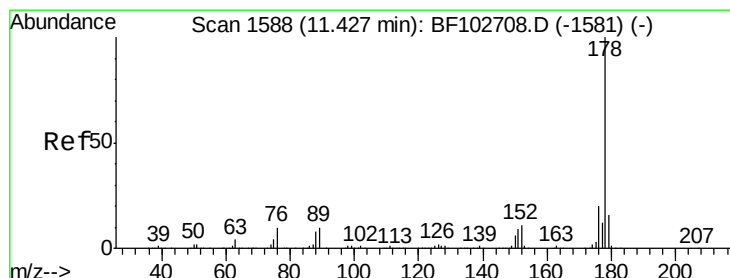
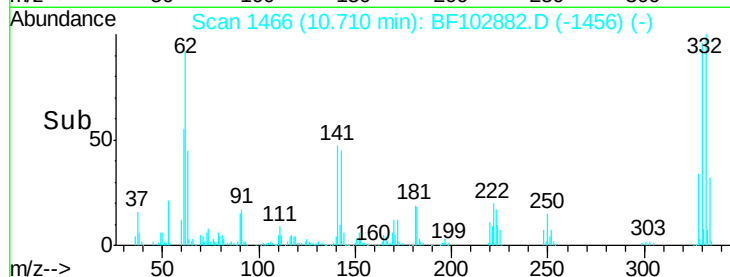
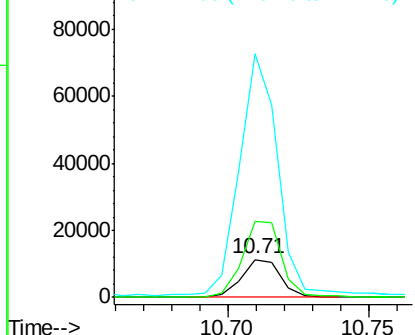
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.087 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.24 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:248 Resp: 10698  
 Ion Ratio Lower Upper  
 248 100  
 250 198.7 76.9 115.3#  
 141 638.4 74.4 111.6#

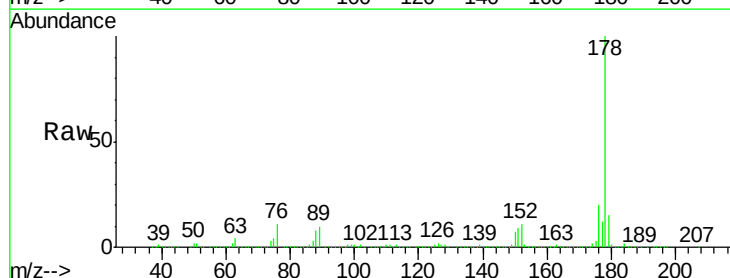


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

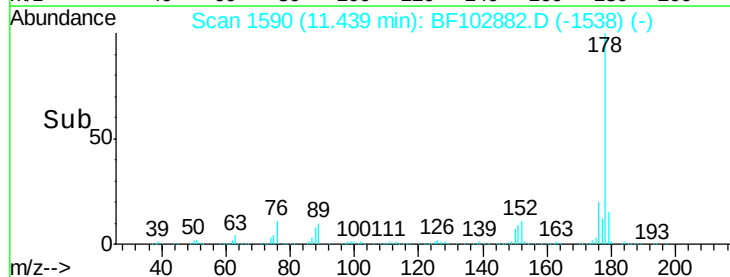
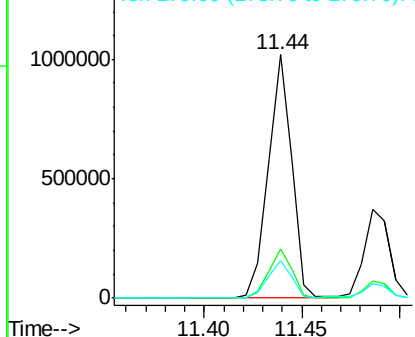


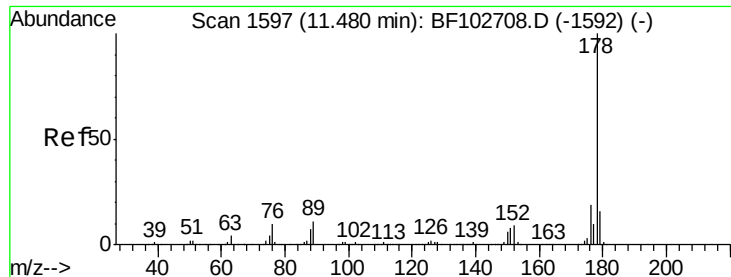
#70  
 Phenanthrene  
 Concen: 46.460 ng  
 RT: 11.44 min Scan# 1590  
 Delta R.T. 0.01 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

Tgt Ion:178 Resp: 847567  
 Ion Ratio Lower Upper  
 178 100  
 176 20.3 15.8 23.8  
 179 15.5 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

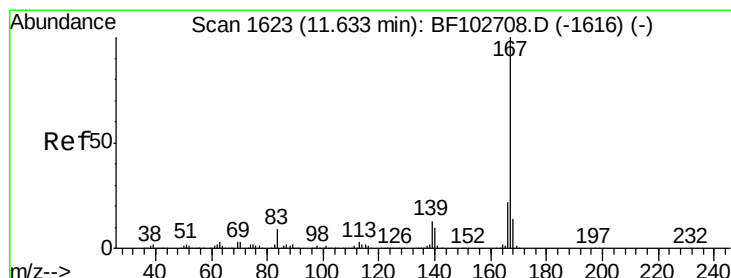
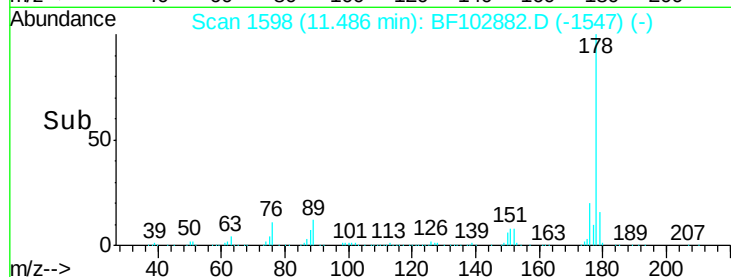
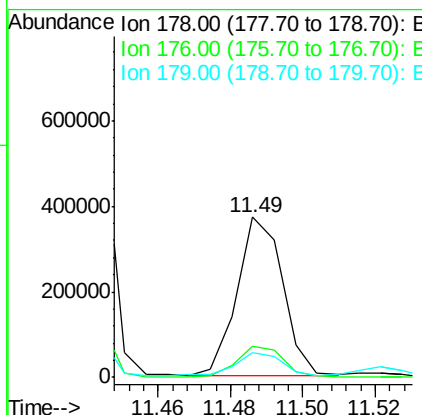
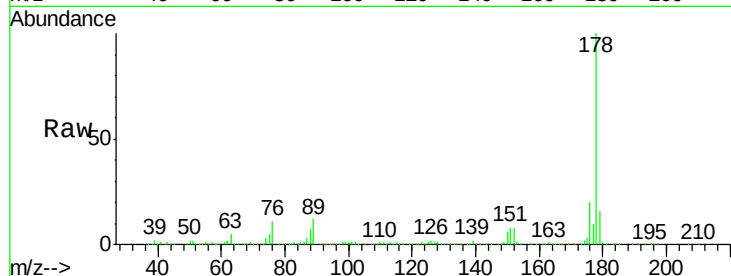




#71  
 Anthracene  
 Concen: 17.412 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. -0.00 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

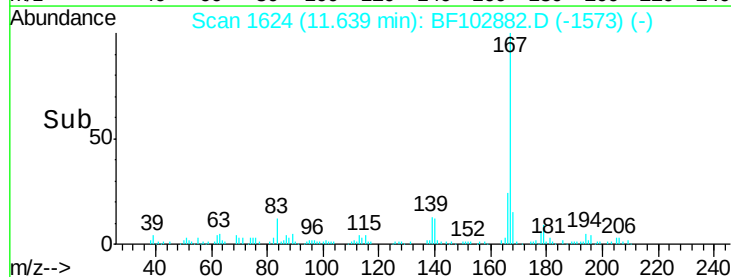
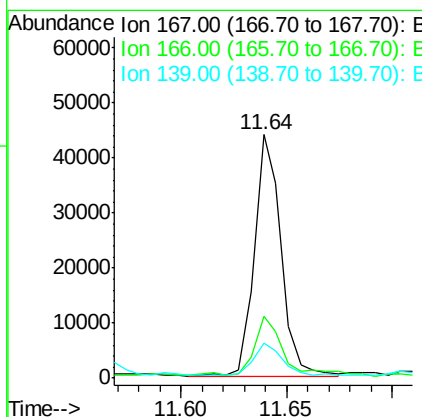
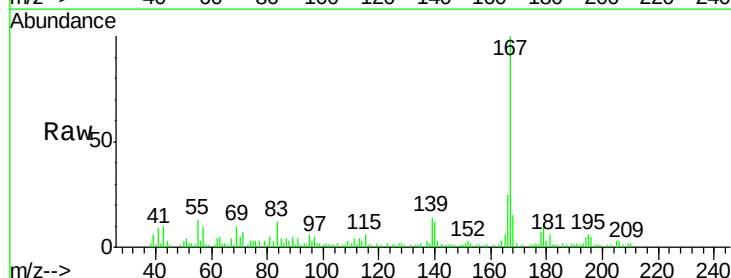
Instrument :  
 BNA\_F  
 ClientSampleId :

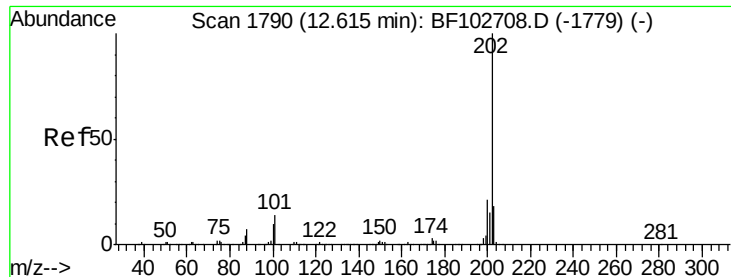
Tot Ion:178 Resp: 323078  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.4 23.2  
 179 15.7 12.6 19.0



#72  
 Carbazole  
 Concen: 2.132 ng  
 RT: 11.64 min Scan# 1624  
 Delta R.T. -0.00 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

Tgt Ion:167 Resp: 38755  
 Ion Ratio Lower Upper  
 167 100  
 166 25.4 17.6 26.4  
 139 14.2 10.9 16.3





#74

Fluoranthene

Concen: 61.415 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Instrument :

BNA\_F

ClientSampleId :

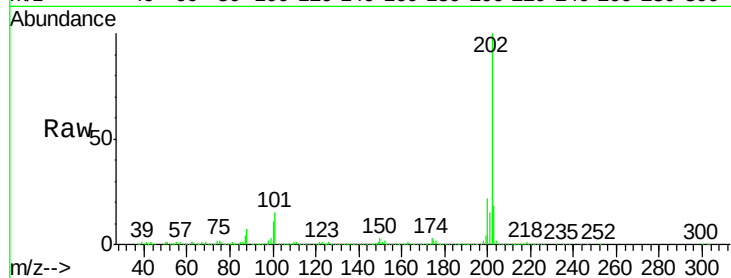
Tot Ion:202 Resp: 1127253

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

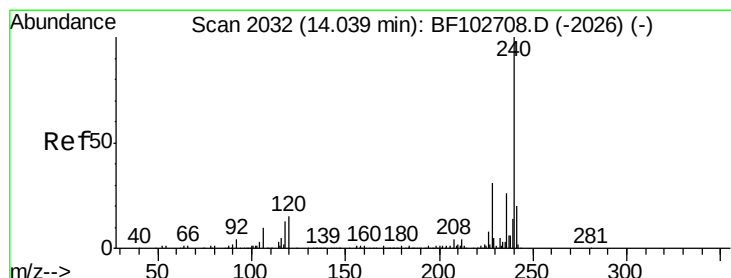
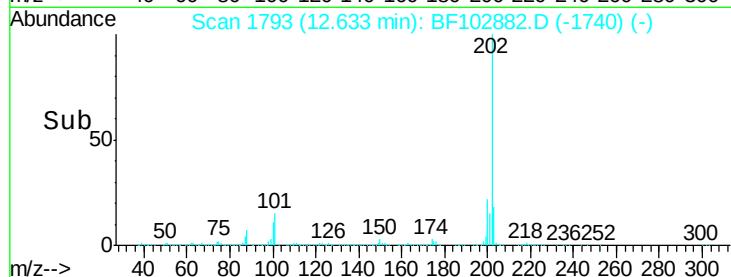
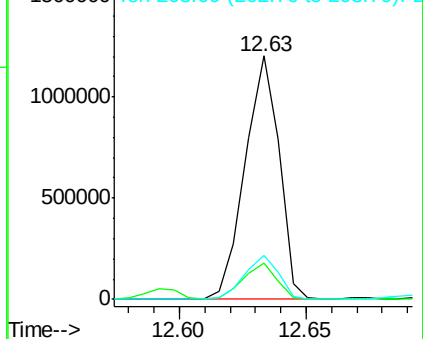
203 18.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

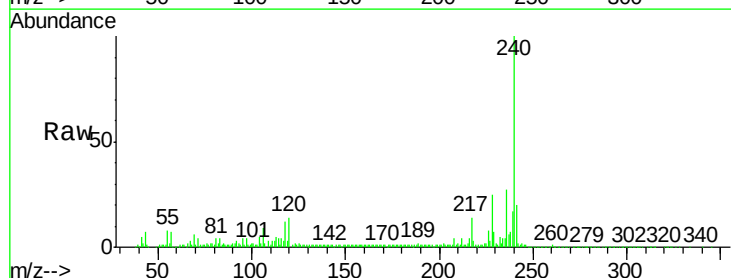
Tgt Ion:240 Resp: 303087

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

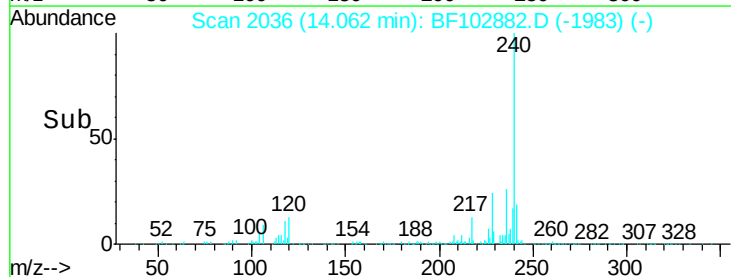
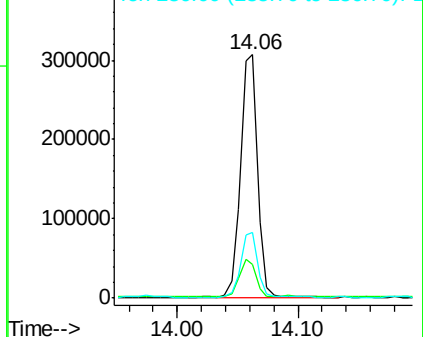
236 27.0 20.7 31.1

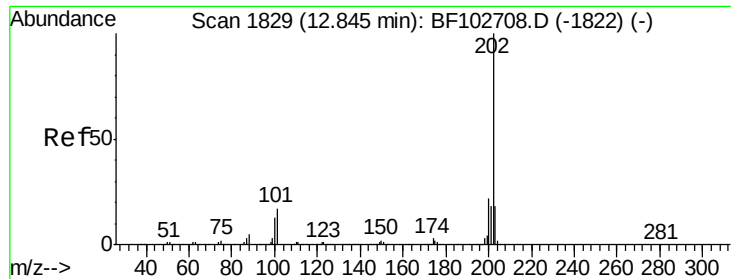


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 43.136 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Instrument :

BNA\_F

ClientSampled :

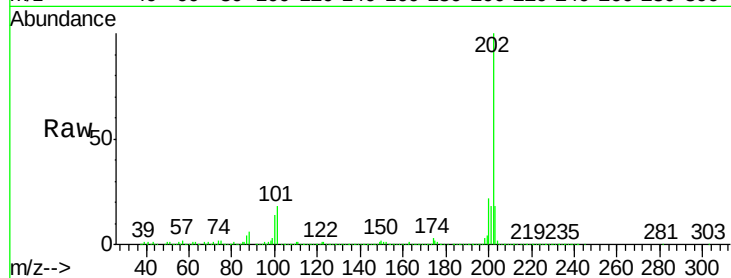
Tot Ion:202 Resp: 1025209

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

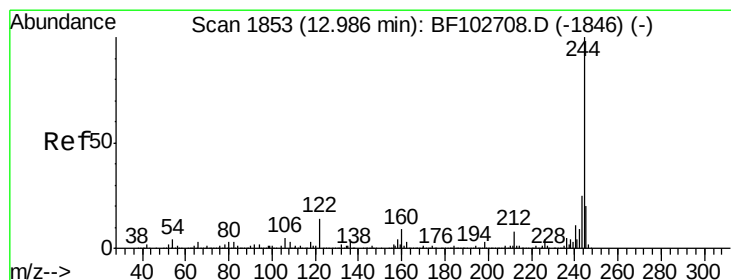
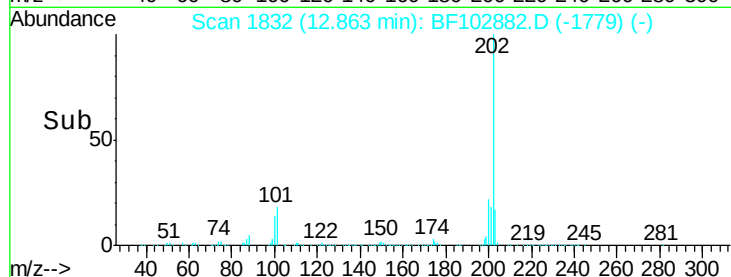
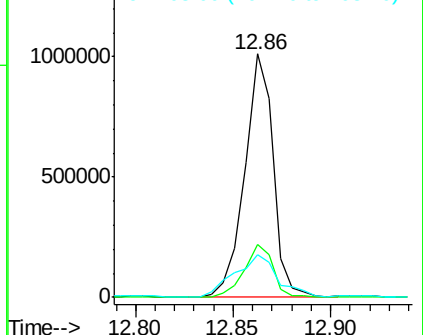
203 17.7 14.3 21.5



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: 52.914 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

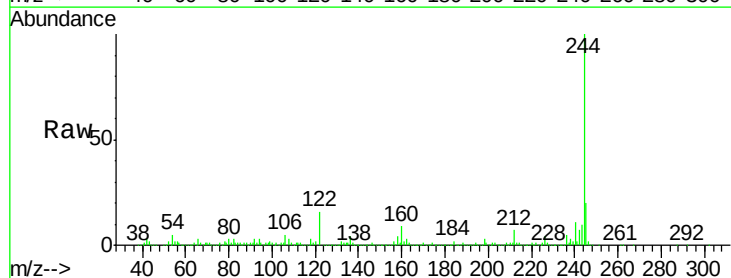
Tgt Ion:244 Resp: 677324

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

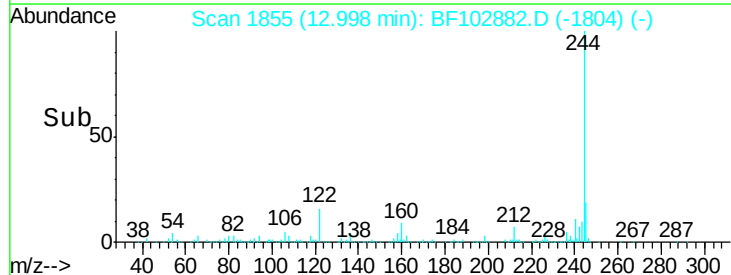
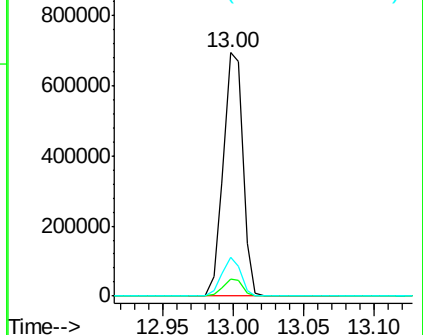
122 15.7 11.0 16.4



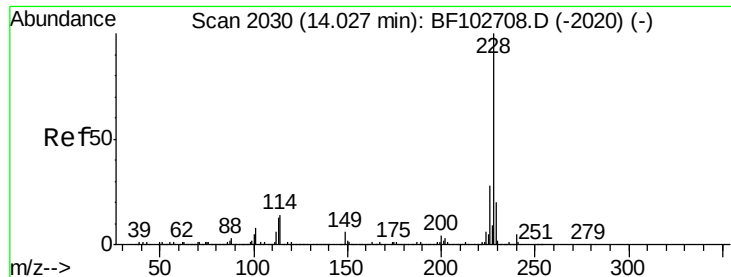
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



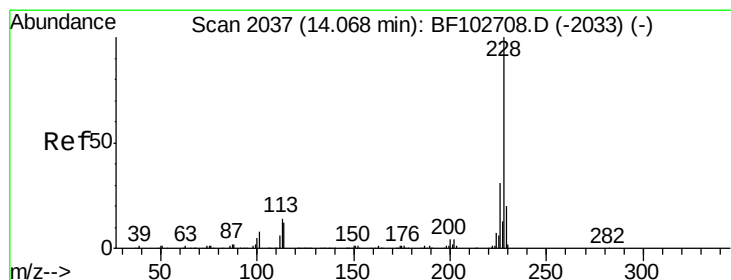
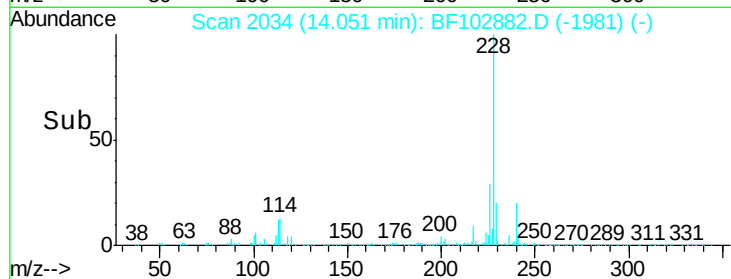
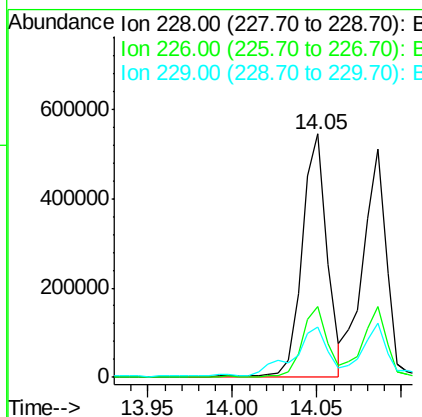
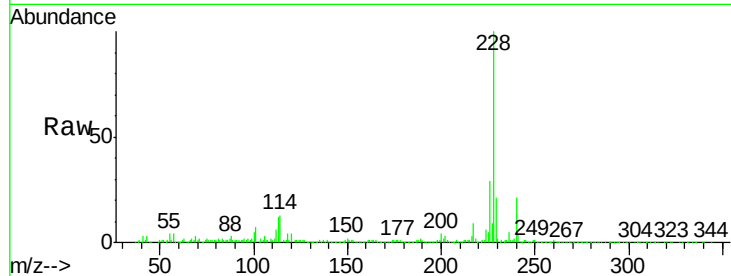




#80  
Benzo(a)anthracene  
Concen: 29.005 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. 0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

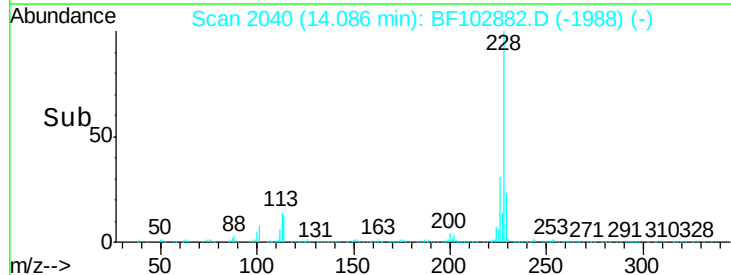
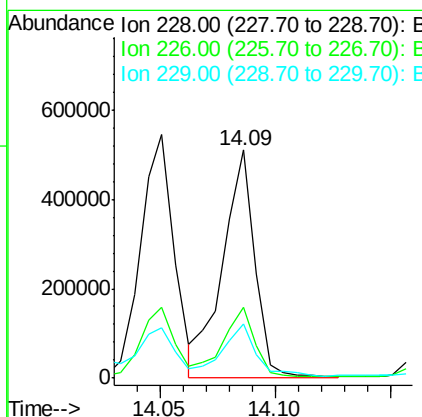
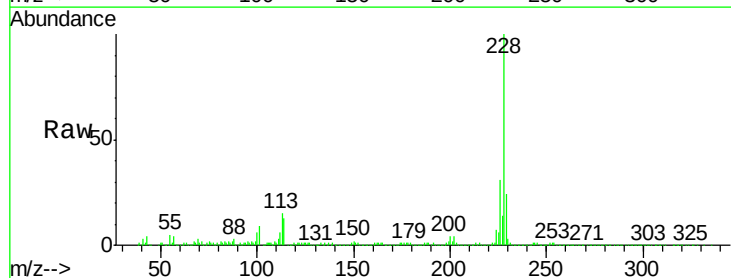
Instrument :  
BNA\_F  
ClientSampleId :

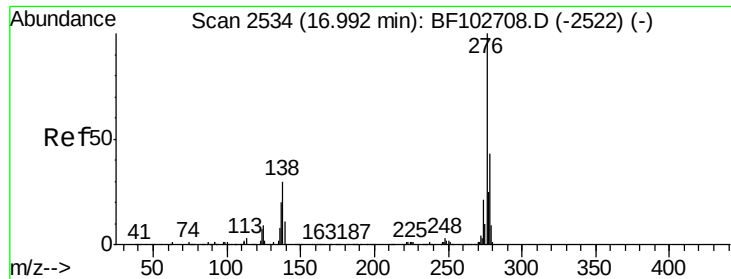
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.9  | 22.6  | 33.8  |
| 229     | 20.9  | 15.8  | 23.6  |



#82  
Chrysene  
Concen: 25.585 ng  
RT: 14.09 min Scan# 2040  
Delta R.T. 0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 25.0  | 37.6  |
| 229     | 23.6  | 16.2  | 24.4  |

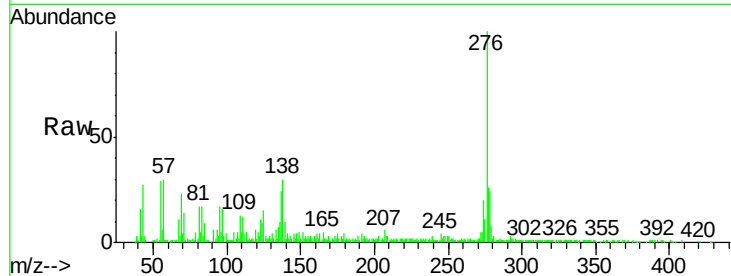




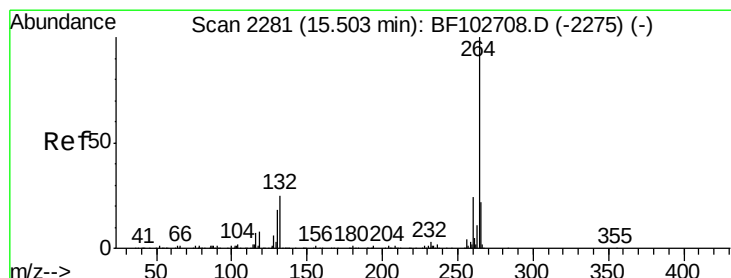
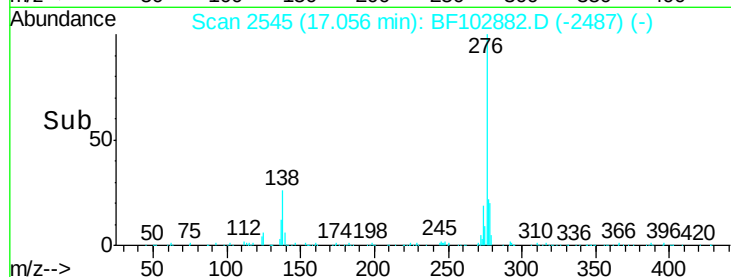
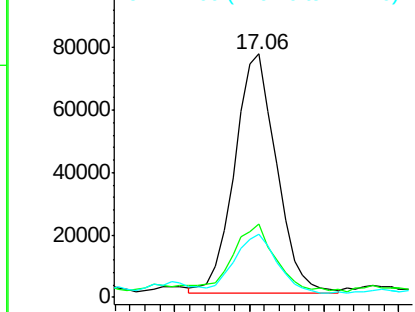
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 9.391 ng  
 RT: 17.06 min Scan# 2545  
 Delta R.T. 0.04 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.1  | 25.0  | 37.6  |
| 277     | 24.8  | 20.1  | 30.1  |

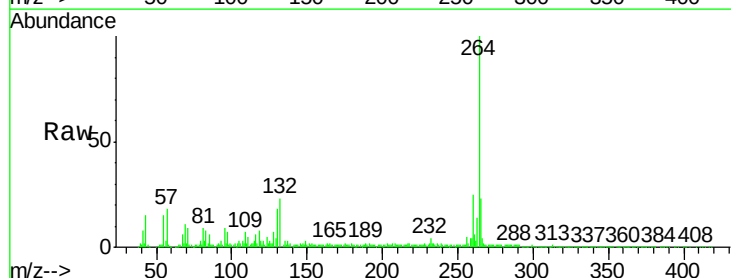


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

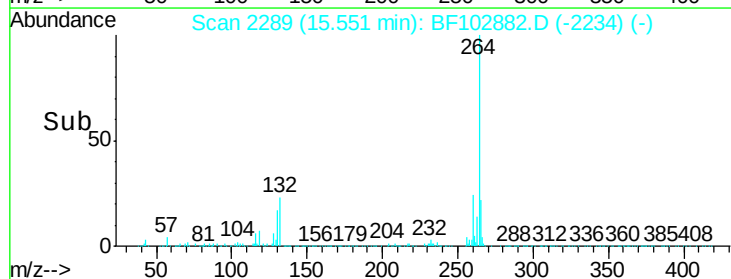
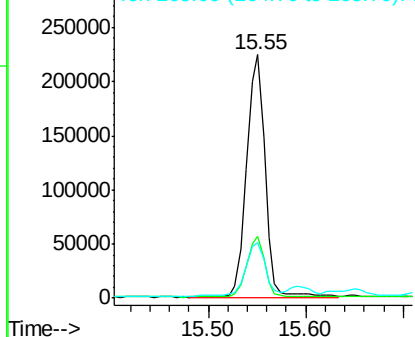


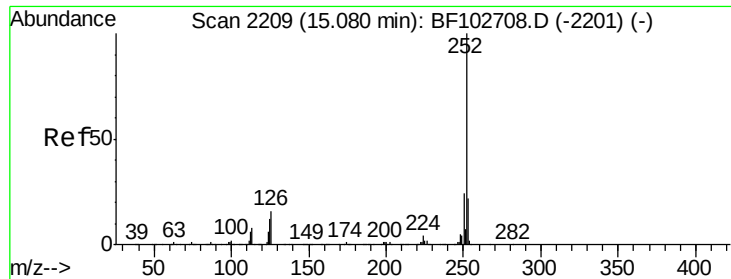
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.55 min Scan# 2289  
 Delta R.T. 0.02 min  
 Lab File: BF102882.D  
 Acq: 9 Feb 2018 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 19.2  | 28.8  |
| 265     | 23.0  | 17.5  | 26.3  |



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

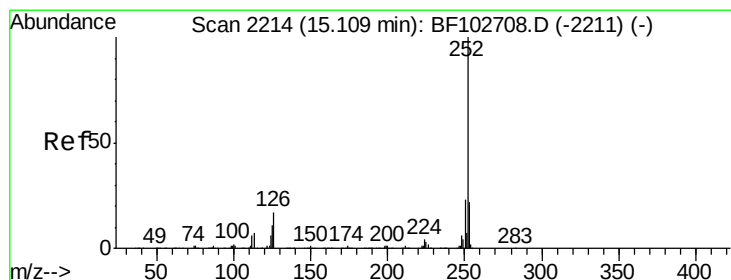
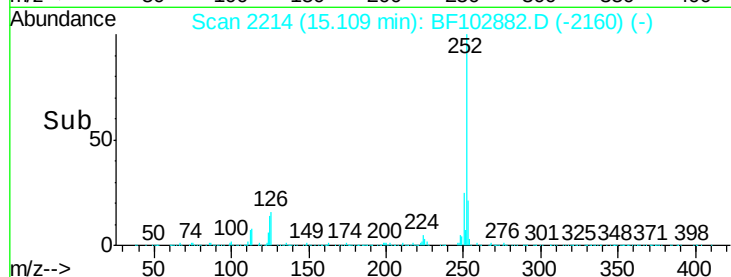
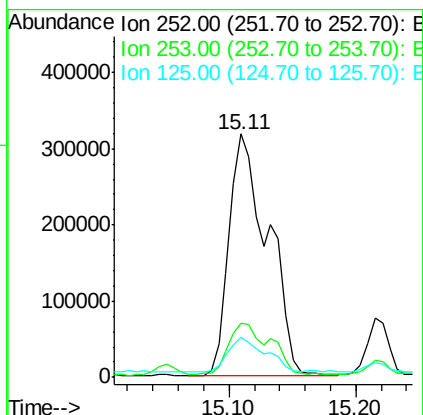
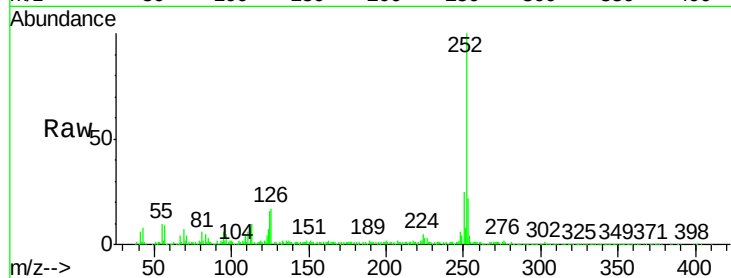




#87  
Benzo(b)fluoranthene  
Concen: 35.319 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. 0.02 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

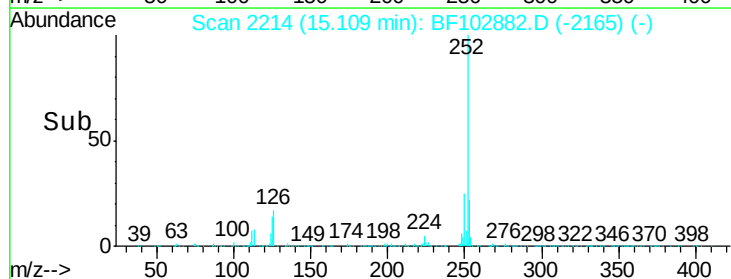
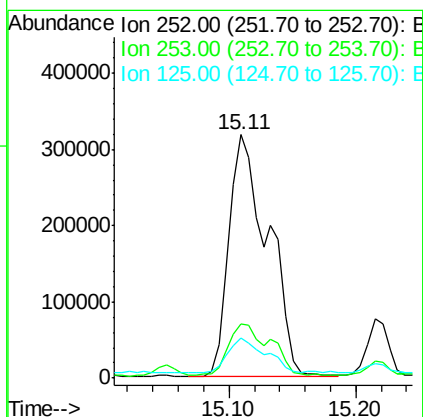
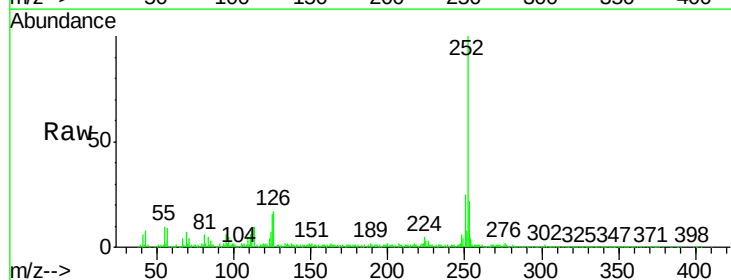
Instrument :  
BNA\_F  
ClientSampleId :

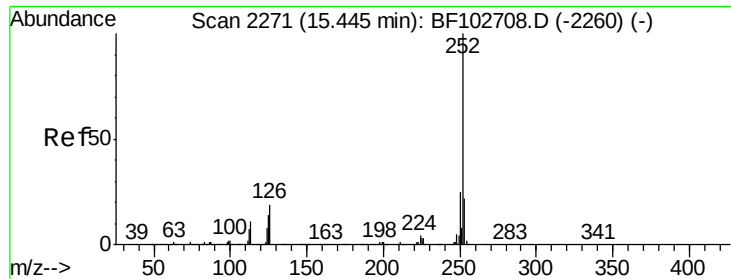
Tot Ion:252 Resp: 677701  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.0 25.6  
125 16.3 9.0 13.6#



#88  
Benzo(k)fluoranthene  
Concen: 36.964 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.01 min  
Lab File: BF102882.D  
Acq: 9 Feb 2018 12:17

Tgt Ion:252 Resp: 677701  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 16.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 20.543 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Instrument :

BNA\_F

ClientSampleId :

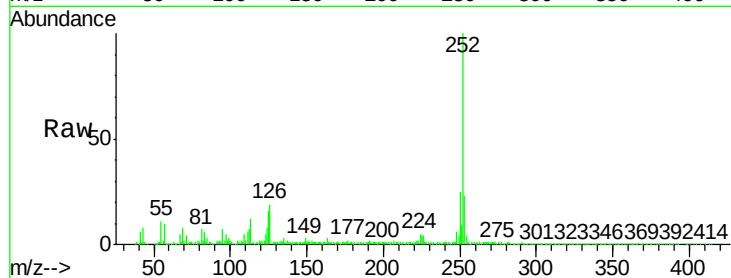
Tot Ion:252 Resp: 354813

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

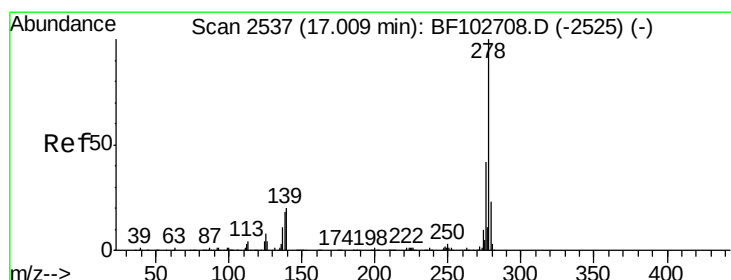
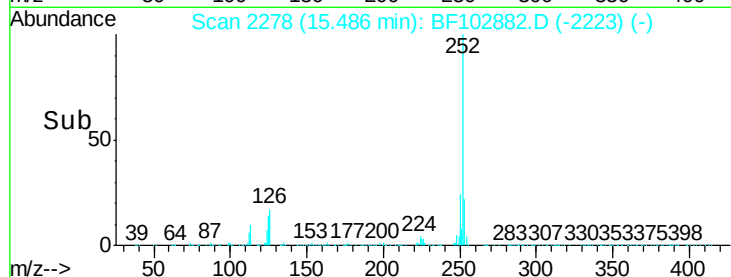
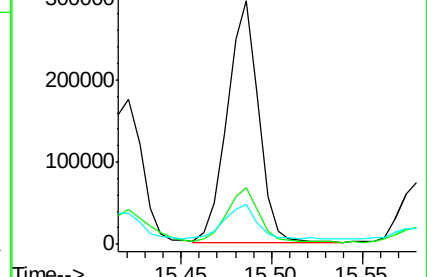
125 16.3 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.915 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.02 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

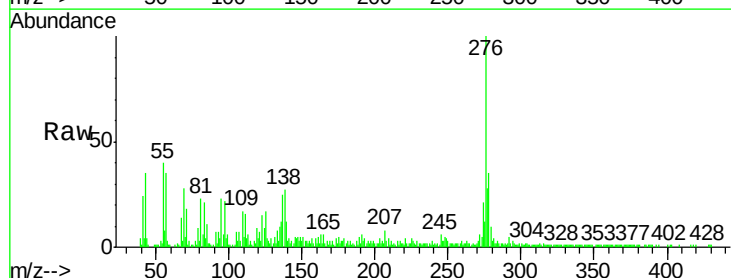
Tgt Ion:278 Resp: 40870

Ion Ratio Lower Upper

278 100

139 35.0 15.9 23.9#

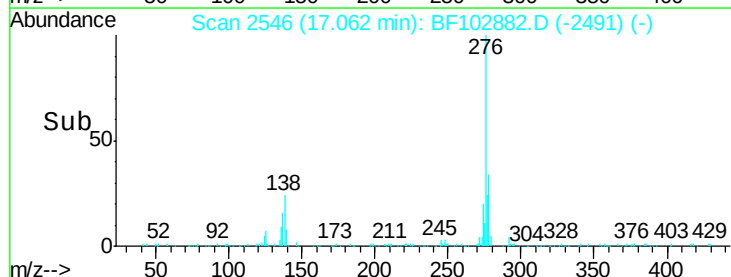
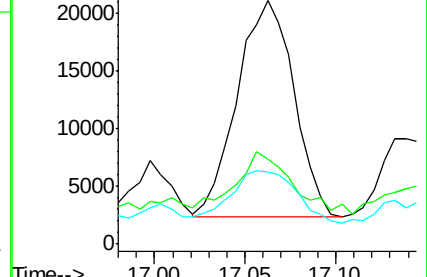
279 29.5 19.0 28.4#

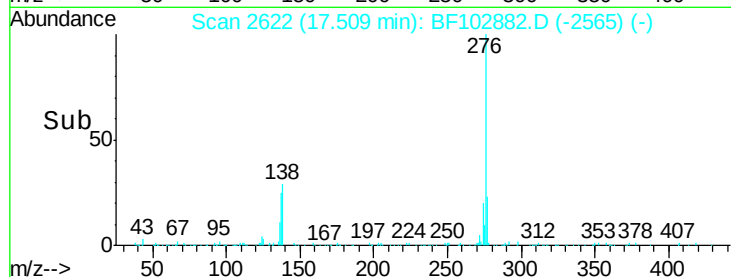
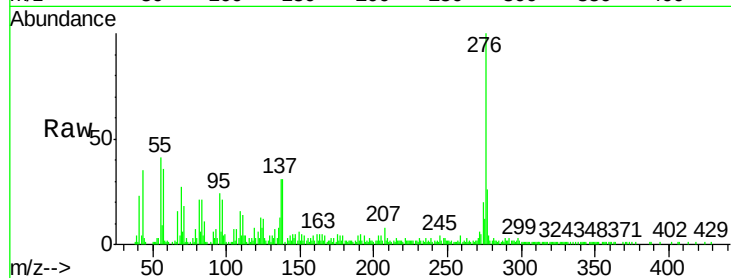
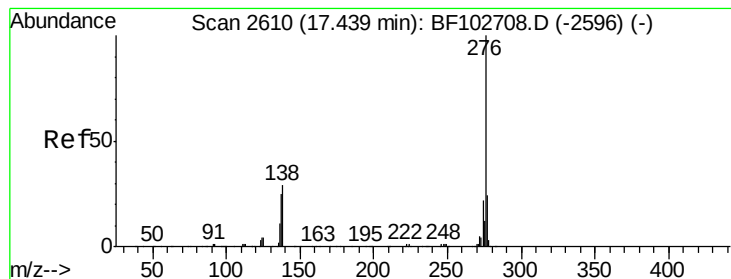


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 9.572 ng

RT: 17.51 min Scan# 2622

Delta R.T. 0.04 min

Lab File: BF102882.D

Acq: 9 Feb 2018 12:17

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:276 Resp: 131345

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 31.3 21.8 32.8

