

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\  
 Data File : BF104702.D  
 Acq On : 23 Apr 2018 12:00  
 Operator : JU/SJ  
 Sample : J2152-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 23 15:39:45 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 23 15:38:25 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 110807   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 423856   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 168629   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.33 | 188  | 260713   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.99 | 240  | 217559   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.46 | 264  | 157232   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.43  | 112  | 681461   | 94.04 | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 821310   | 92.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 482908   | 74.40 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 160522   | 91.77 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 811014   | 75.98 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 640273   | 67.10 | ng    | 0.00     |

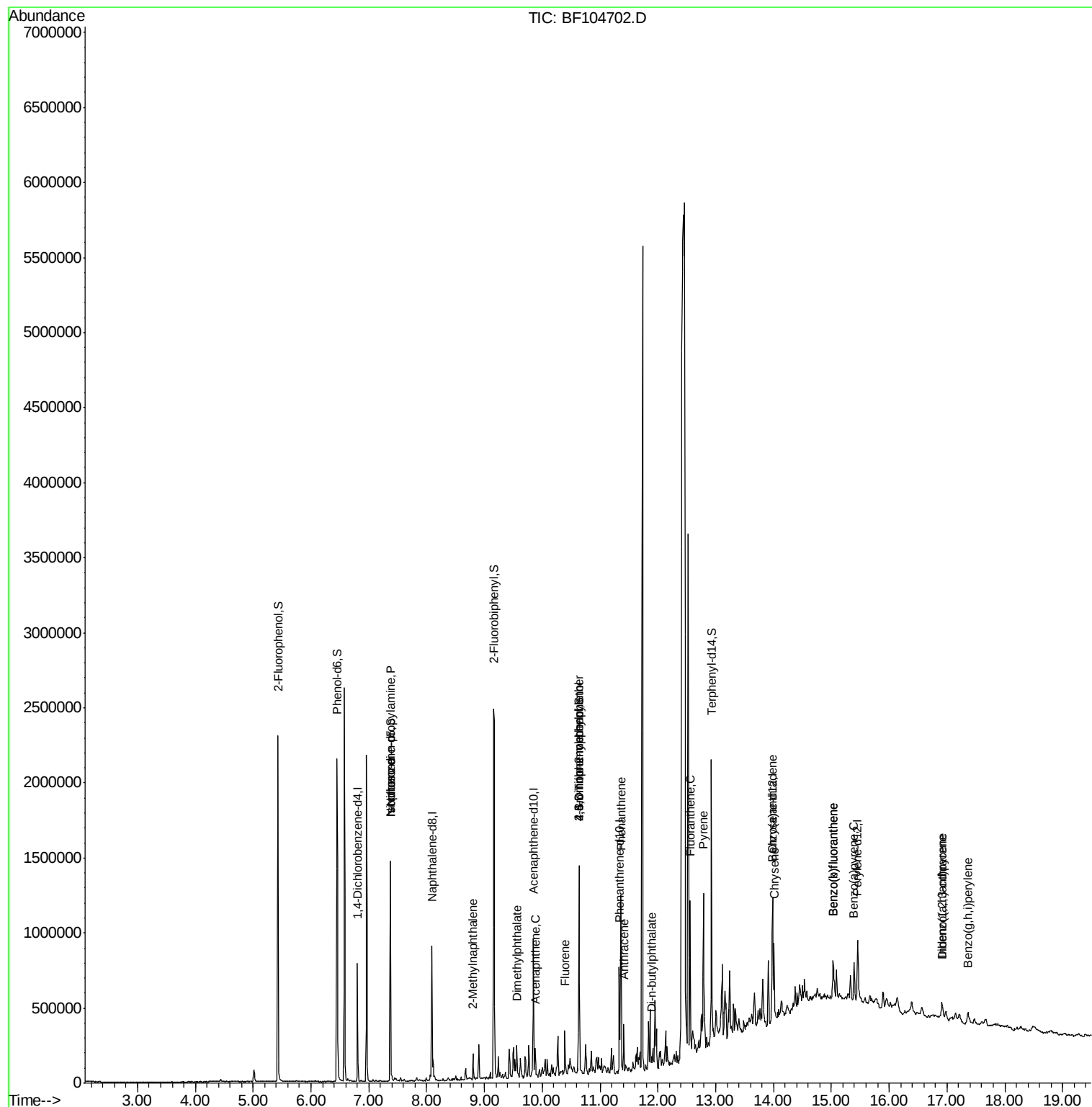
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 63052    | 10.837    | ng    | # 72   |
| 25) Isophorone                 | 7.37  | 82   | 482901   | 35.181    | ng    | # 64   |
| 37) 2-Methylnaphthalene        | 8.80  | 142  | 45644    | 3.343     | ng    | 94     |
| 49) Dimethylphthalate          | 9.56  | 163  | 55933    | 4.206     | ng    | 100    |
| 51) Acenaphthene               | 9.88  | 154  | 33860    | 3.161     | ng    | 96     |
| 57) Fluorene                   | 10.39 | 166  | 71175    | 6.551     | ng    | 99     |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198  | 312      | 7.555     | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 9587     | 3.457     | ng    | # 1    |
| 70) Phenanthrene               | 11.36 | 178  | 419050   | 28.862    | ng    | 99     |
| 71) Anthracene                 | 11.41 | 178  | 114600   | 7.765     | ng    | 97     |
| 73) Di-n-butylphthalate        | 11.89 | 149  | 60379    | 3.427     | ng    | 98     |
| 74) Fluoranthene               | 12.56 | 202  | 354774   | 23.387    | ng    | 98     |
| 76) Benzidine                  | 12.66 | 184  | 398      | Below Cal |       | # 1    |
| 77) Pyrene                     | 12.79 | 202  | 462952   | 28.708    | ng    | 99     |
| 80) Benzo(a)anthracene         | 13.97 | 228  | 192863   | 14.839    | ng    | 96     |
| 82) Chrysene                   | 14.01 | 228  | 191553   | 14.348    | ng    | 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.92 | 276  | 55530    | 4.897     | ng    | 95     |
| 87) Benzo(b)fluoranthene       | 15.03 | 252  | 195619   | 19.699    | ng    | # 92   |
| 88) Benzo(k)fluoranthene       | 15.03 | 252  | 195619   | 20.865    | ng    | # 95   |
| 89) Benzo(a)pyrene             | 15.39 | 252  | 117586   | 13.234    | ng    | # 93   |
| 90) Dibenzo(a,h)anthracene     | 16.93 | 278  | 16931    | 2.320     | ng    | # 64   |
| 91) Benzo(g,h,i)perylene       | 17.36 | 276  | 60102    | 8.501     | ng    | # 94   |

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

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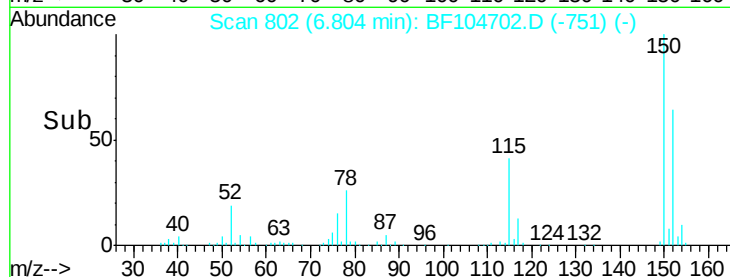
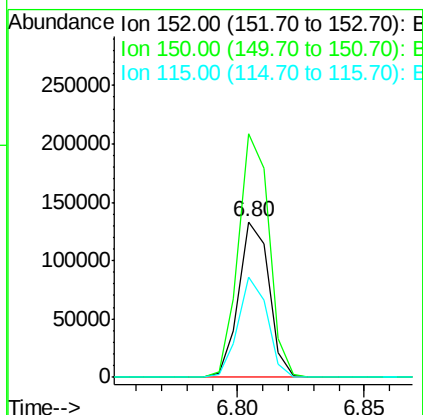
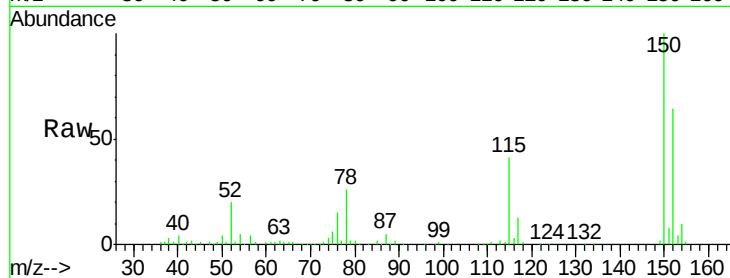


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

Instrument :  
BNA\_F  
ClientSampled :

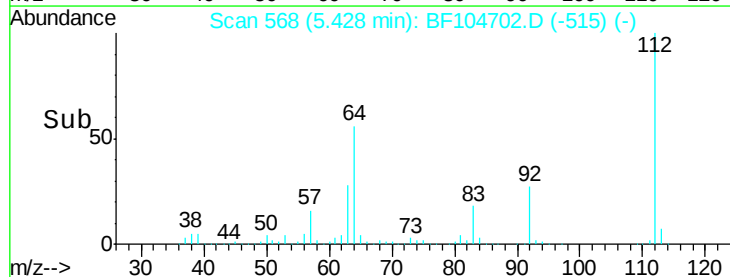
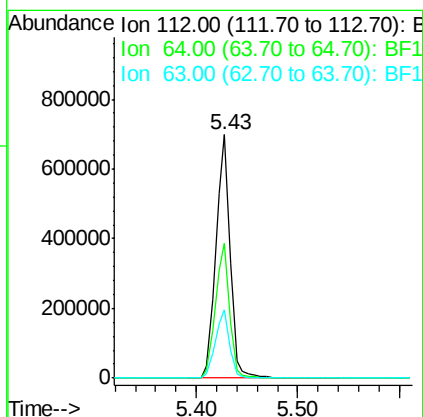
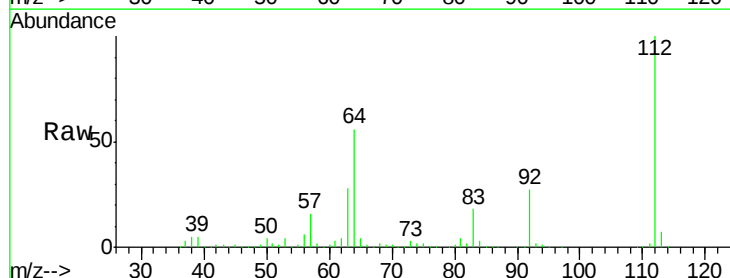
Tot Ion:152 Resp: 110807  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 64.8 50.1 75.1

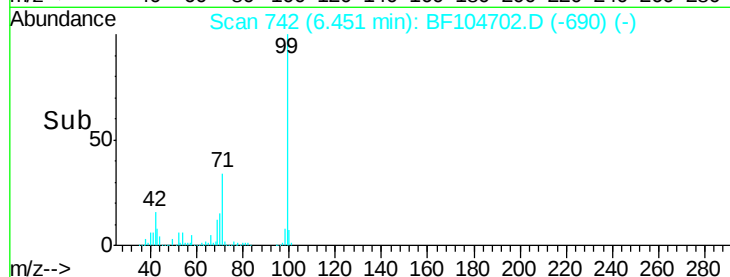
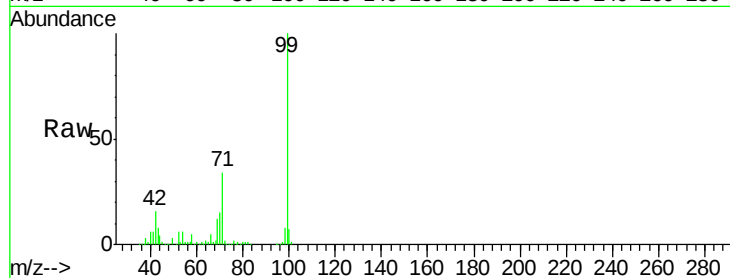
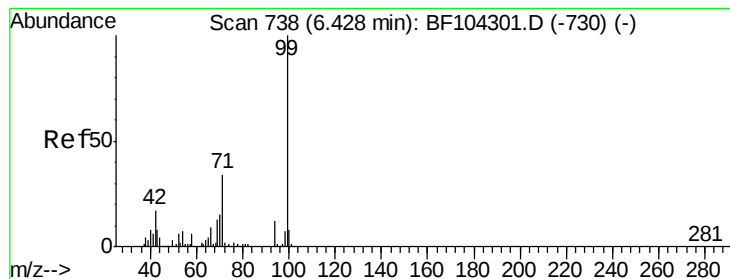


#5

2-Fluorophenol  
Concen: 94.037 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

Tgt Ion:112 Resp: 681461  
Ion Ratio Lower Upper  
112 100  
64 55.6 47.9 71.9  
63 28.1 23.7 35.5





#7

Phenol-d6

Concen: 92.241 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

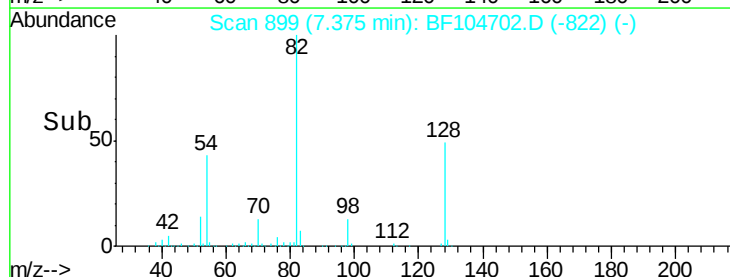
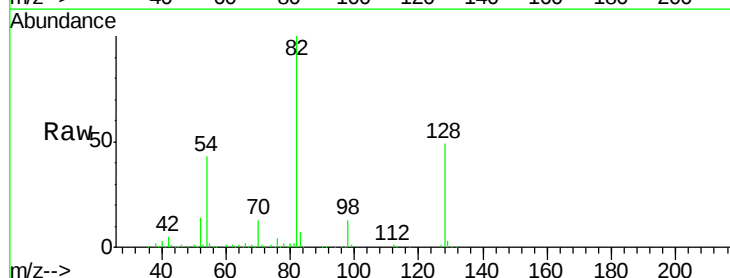
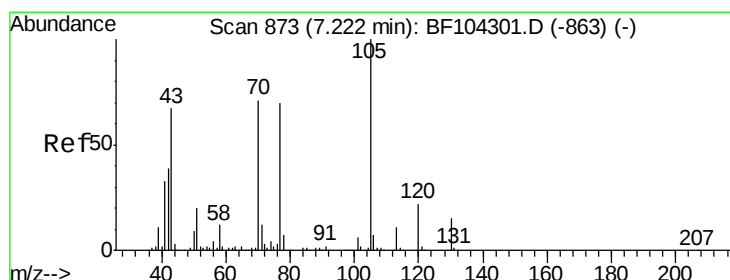
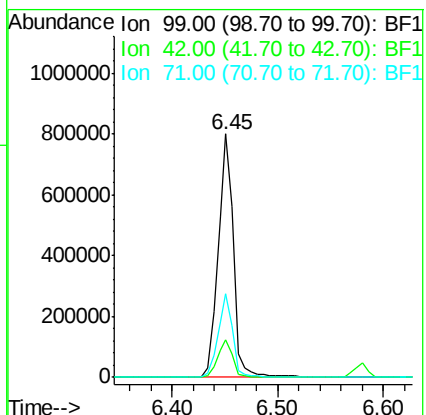
Tot Ion: 99 Resp: 821310

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 34.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.837 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Tgt Ion: 70 Resp: 63052

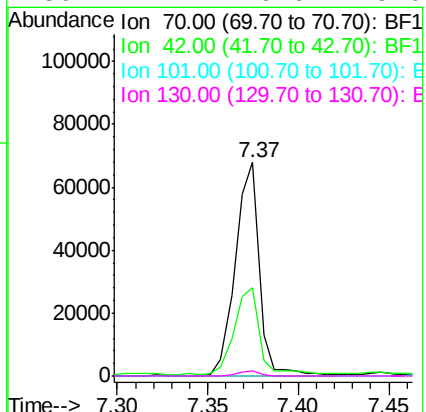
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

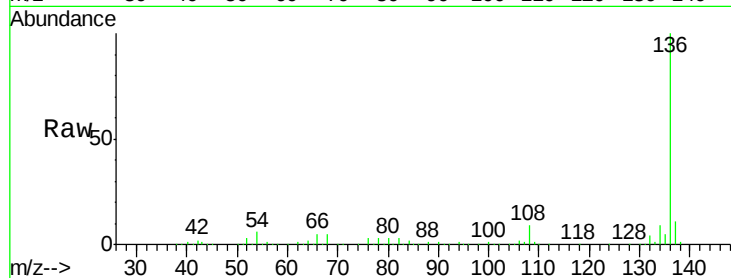




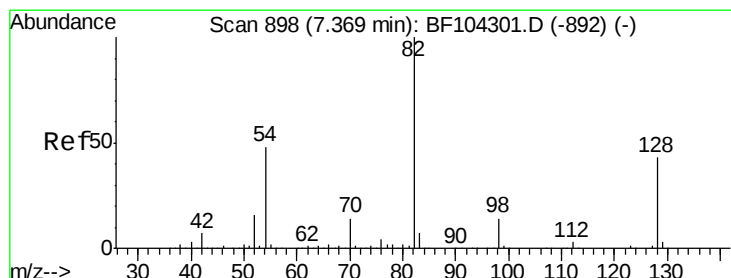
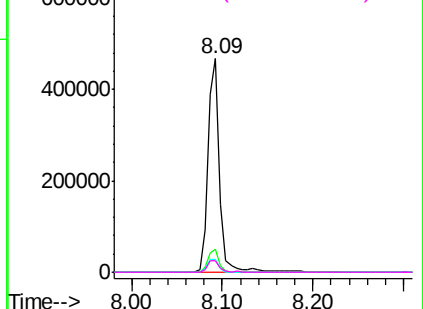
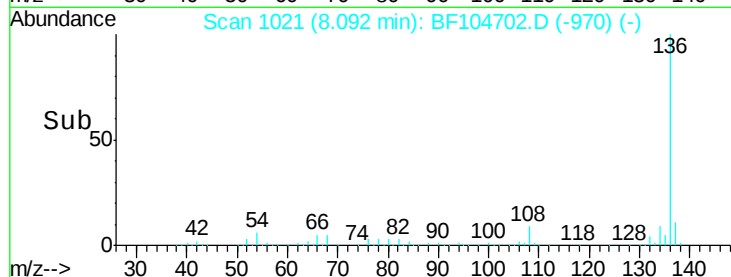
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.00 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 423856   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.8  | 8.9 13.3 |
| 54          | 6.2   | 6.6 9.8# |
| 68          | 5.3   | 5.0 7.4  |

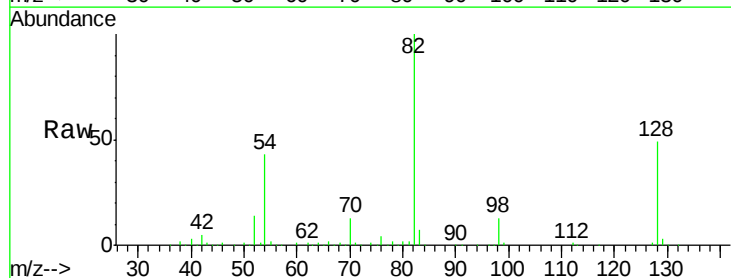


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

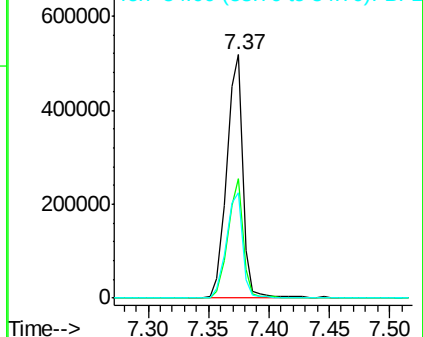
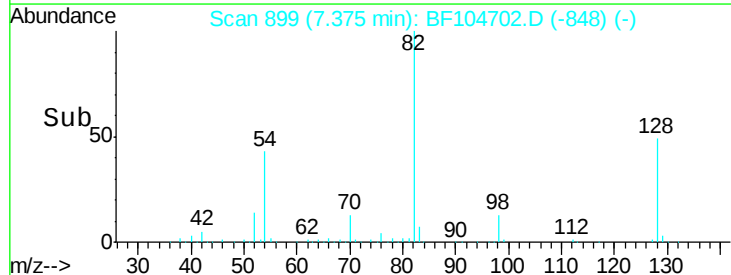


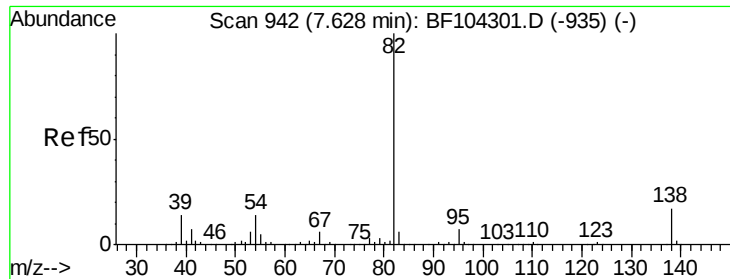
#23  
Nitrobenzene-d5  
Concen: 74.395 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 482908    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 48.9  | 36.1 54.1 |
| 54          | 43.3  | 41.4 62.2 |



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





#25

Isophorone

Concen: 35.181 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

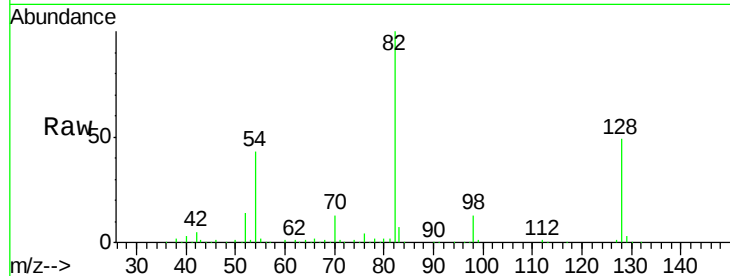
Tot Ion: 82 Resp: 482901

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

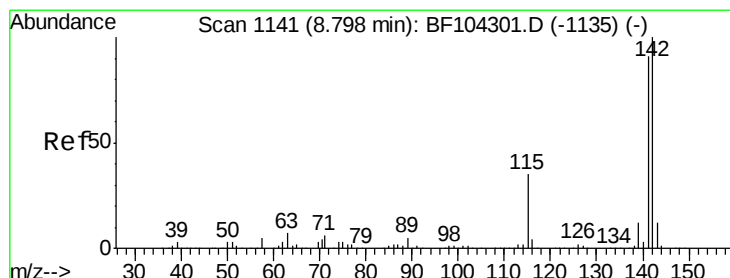
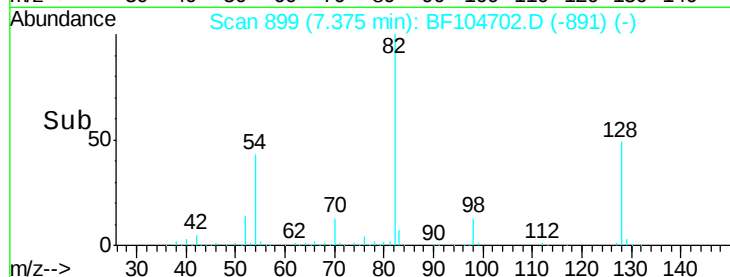
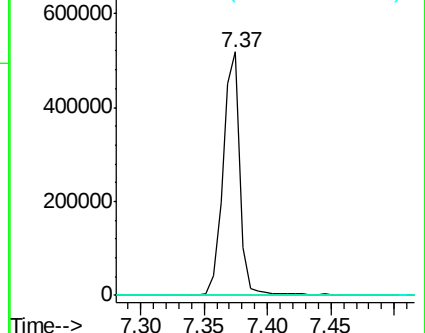
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#37

2-Methylnaphthalene

Concen: 3.343 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

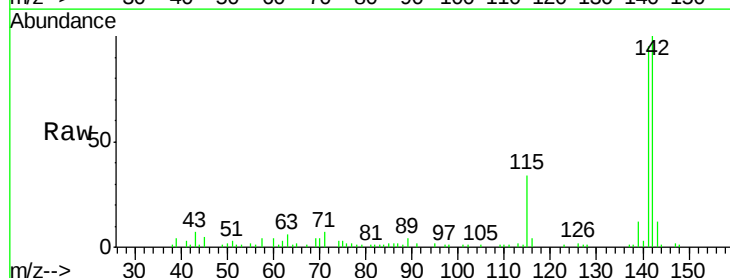
Tgt Ion: 142 Resp: 45644

Ion Ratio Lower Upper

142 100

141 94.9 70.8 106.2

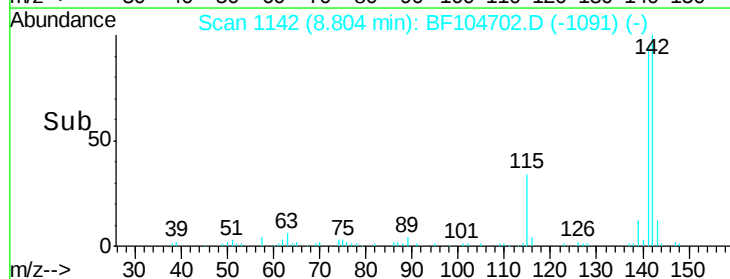
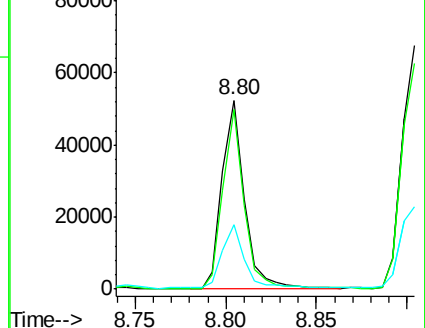
115 33.8 26.1 39.1

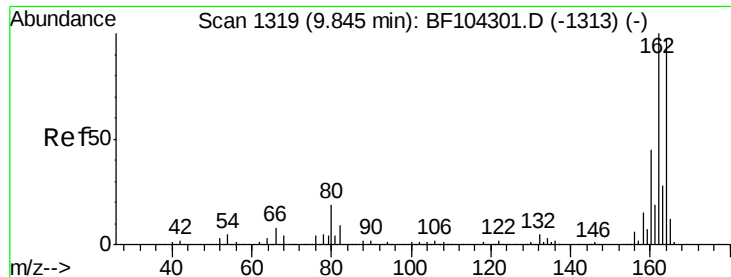


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

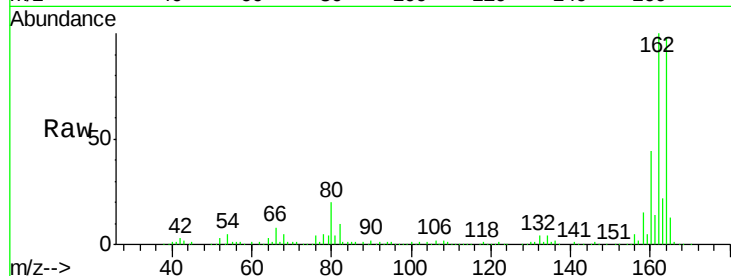
Tot Ion:164 Resp: 168629

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

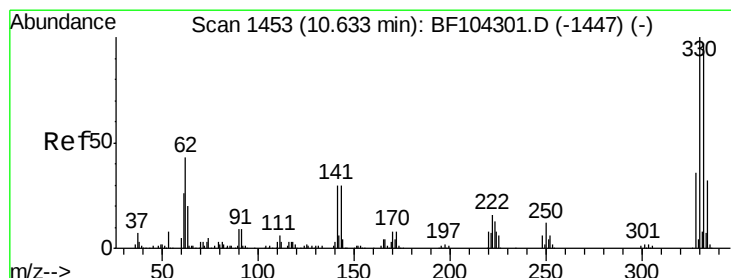
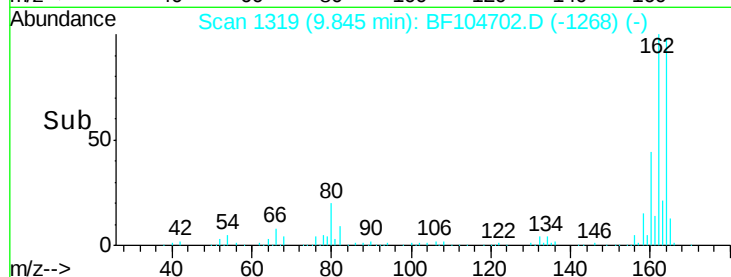
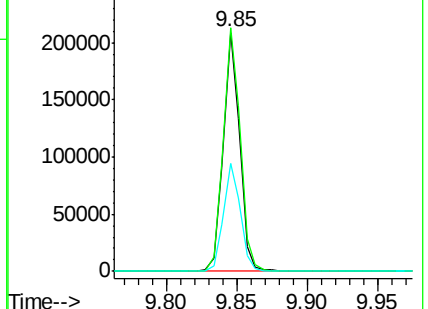
160 45.1 38.3 57.5



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: 91.767 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

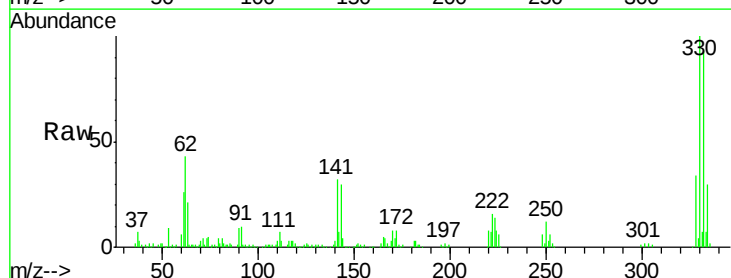
Tgt Ion:330 Resp: 160522

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

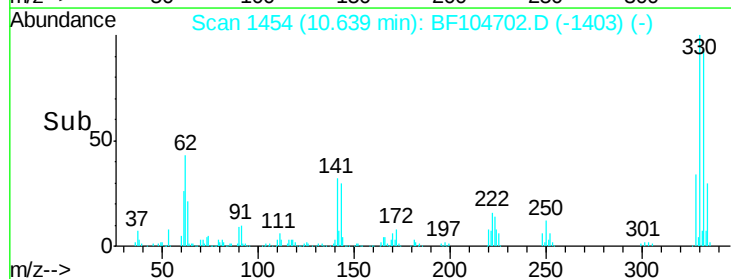
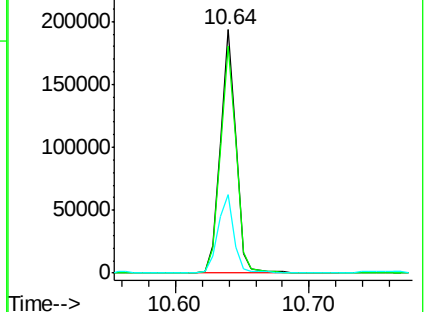
141 32.4 29.9 44.9

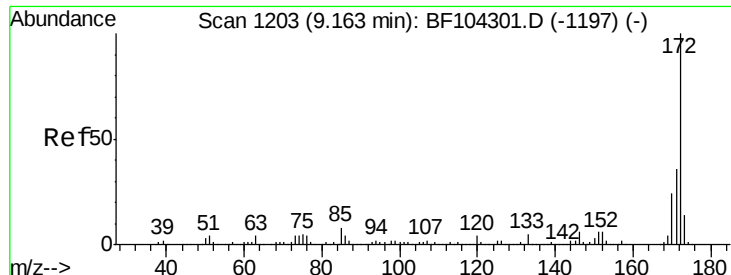


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

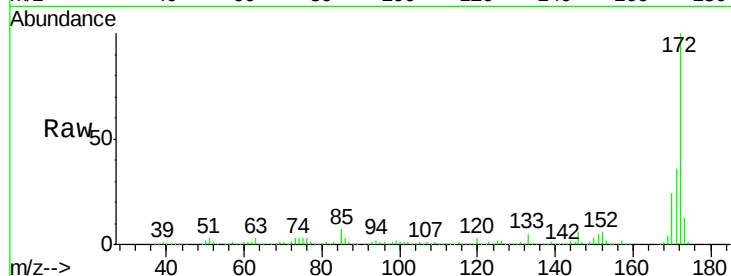




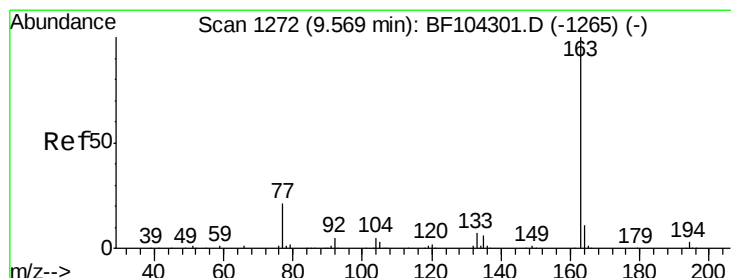
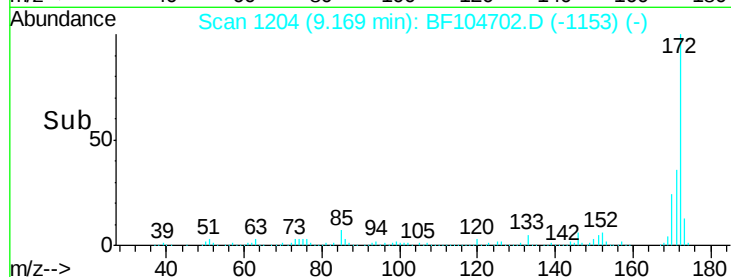
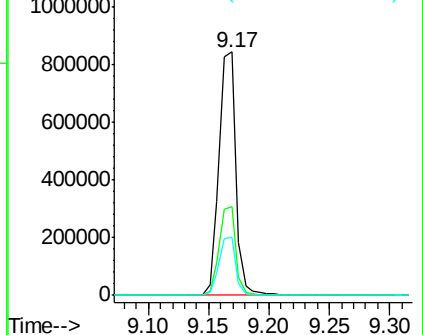
#44  
2-Fluorobiphenyl  
Concen: 75.977 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. -0.00 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 811014  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.7 44.5  
170 23.8 19.6 29.4

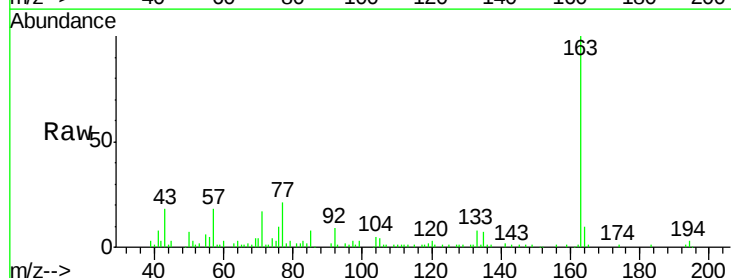


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

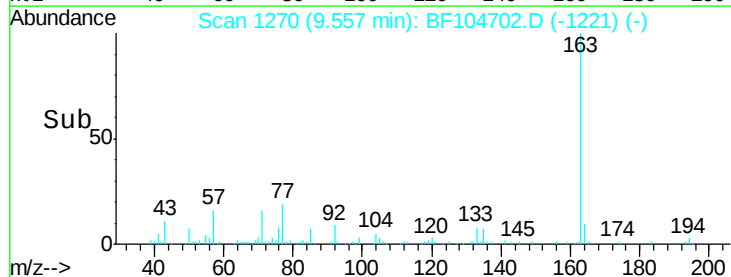
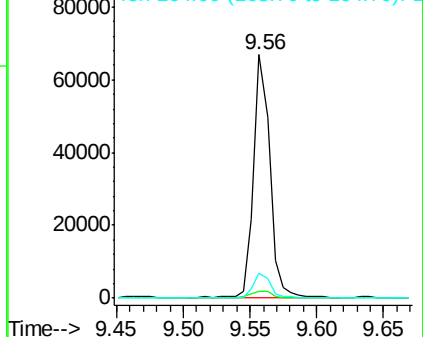


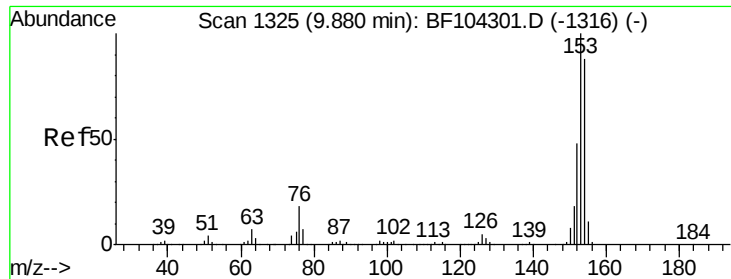
#49  
Dimethylphthalate  
Concen: 4.206 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

Tgt Ion:163 Resp: 55933  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.7 4.1  
164 10.2 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: 3.161 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampled :

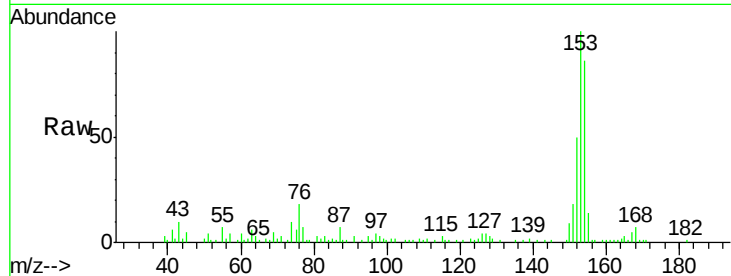
Tot Ion:154 Resp: 33860

Ion Ratio Lower Upper

154 100

153 116.8 91.2 136.8

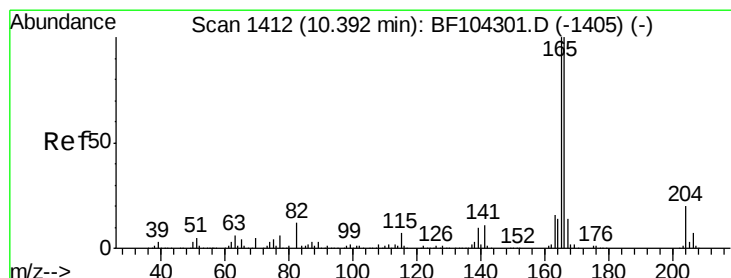
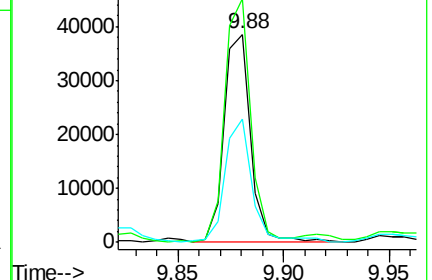
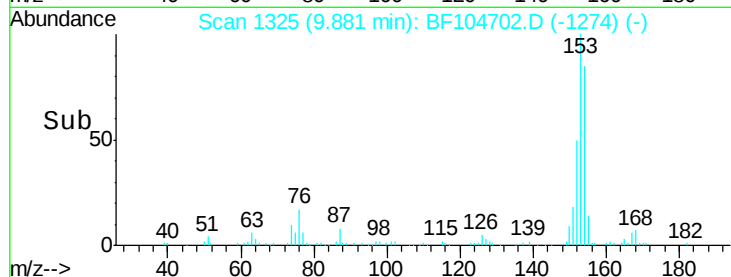
152 58.9 43.8 65.8



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



#57

Fluorene

Concen: 6.551 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

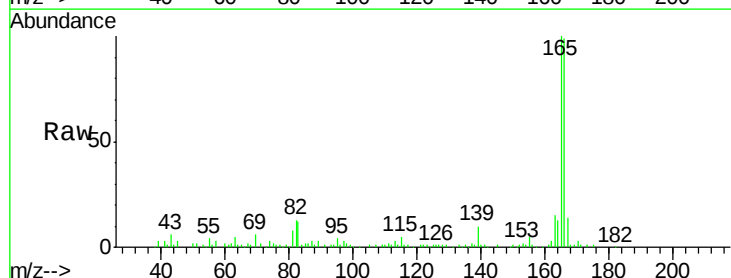
Tgt Ion:166 Resp: 71175

Ion Ratio Lower Upper

166 100

165 100.8 79.8 119.8

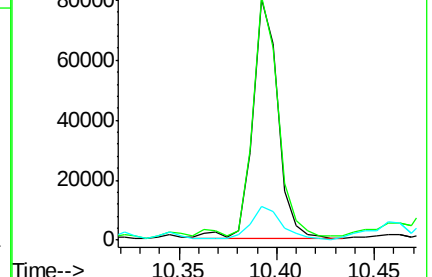
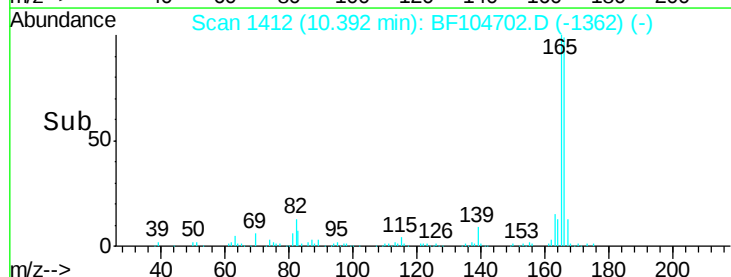
167 13.8 10.6 16.0

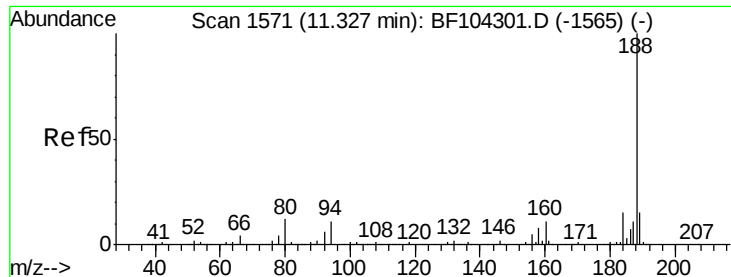


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

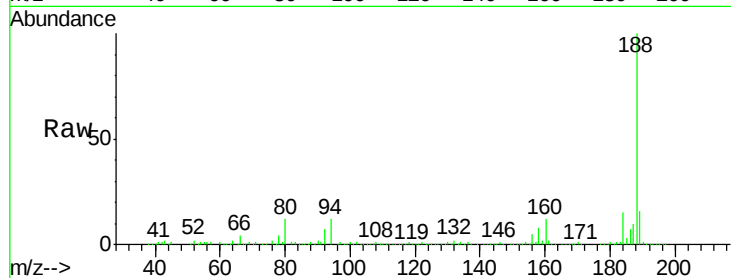




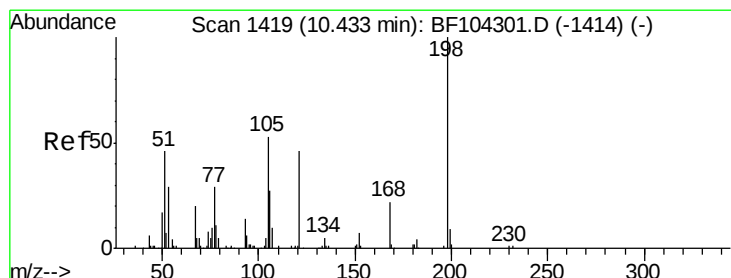
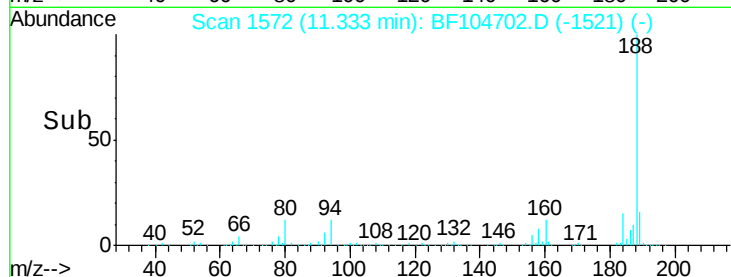
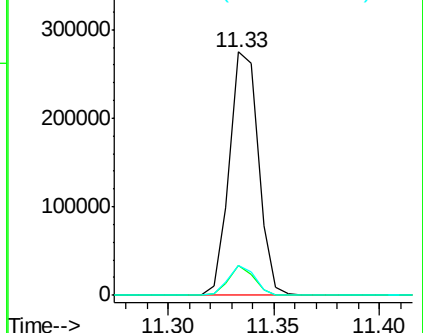
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: BF104702.D  
 Acq: 23 Apr 2018 12:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 260713  
 Ion Ratio Lower Upper  
 188 100  
 94 12.0 8.5 12.7  
 80 12.3 9.2 13.8

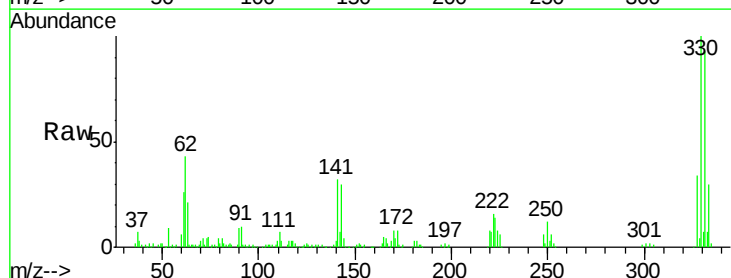


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

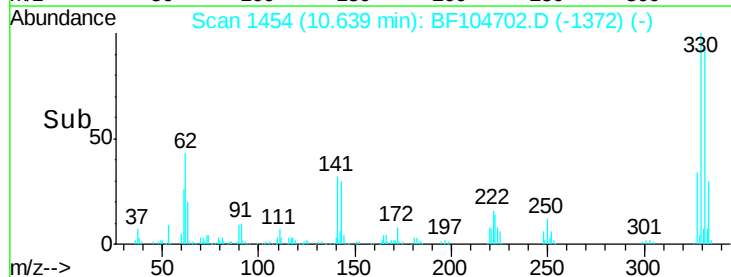
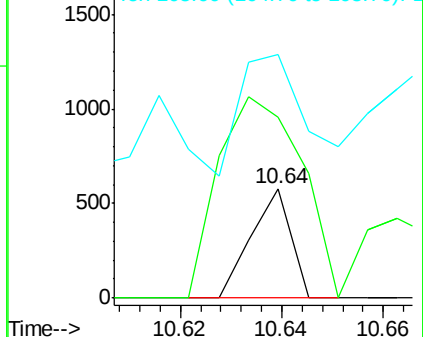


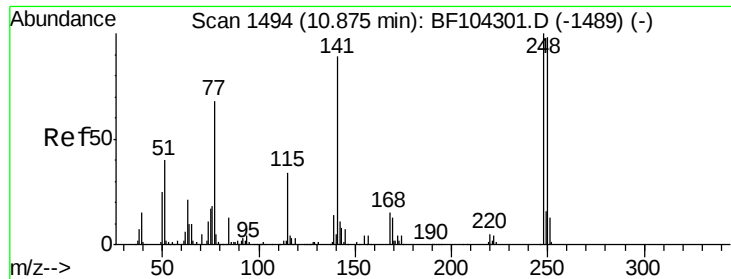
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.555 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. 0.18 min  
 Lab File: BF104702.D  
 Acq: 23 Apr 2018 12:00

Tgt Ion:198 Resp: 312  
 Ion Ratio Lower Upper  
 198 100  
 51 164.3 37.7 77.7#  
 105 221.9 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

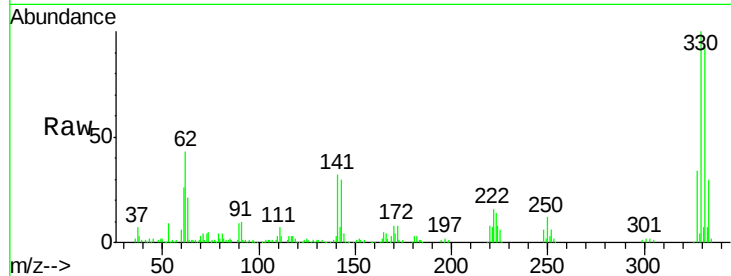




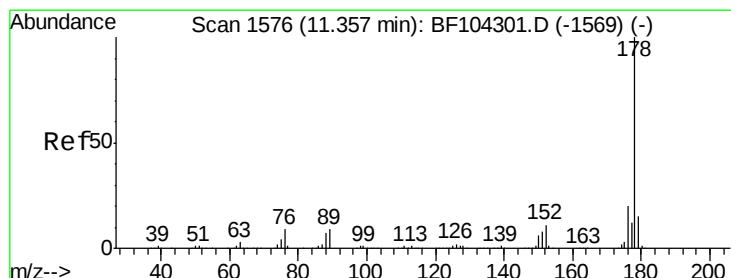
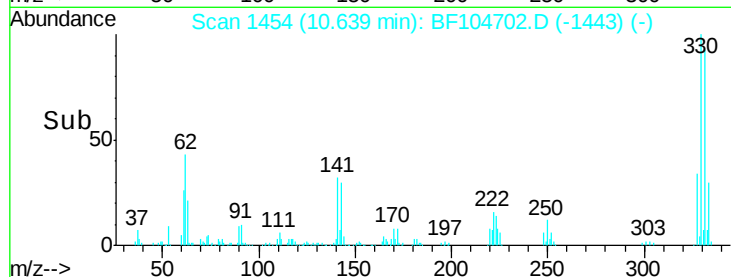
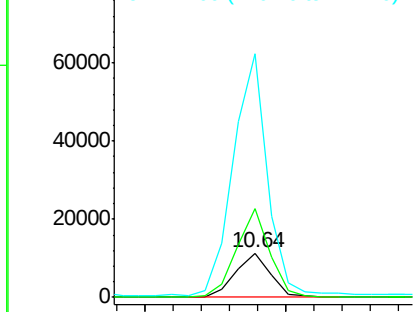
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.457 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.24 min  
 Lab File: BF104702.D  
 Acq: 23 Apr 2018 12:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 9587  
 Ion Ratio Lower Upper  
 248 100  
 250 200.3 76.9 115.3#  
 141 552.6 74.4 111.6#

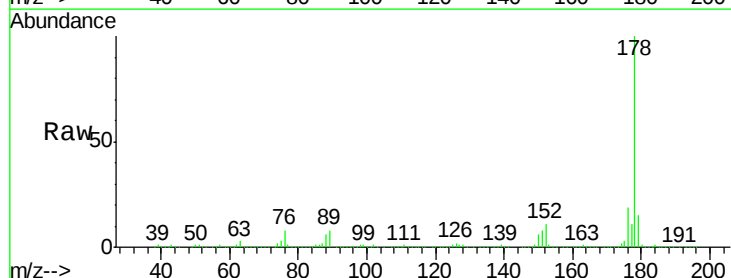


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

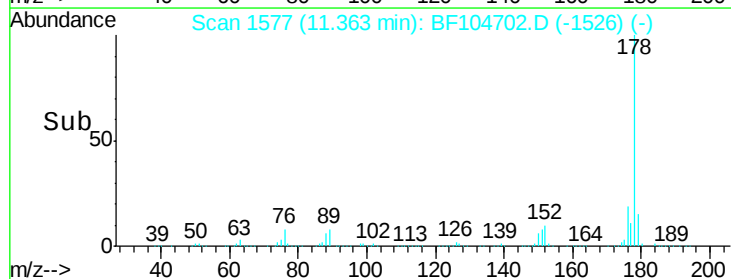
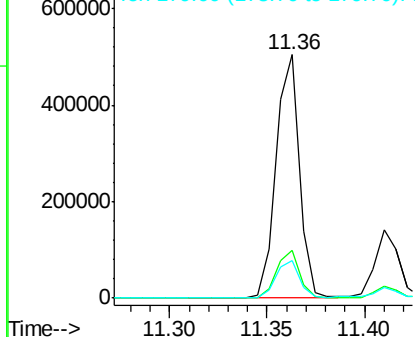


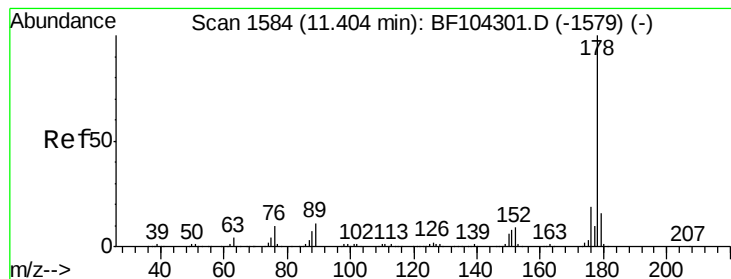
#70  
 Phenanthrene  
 Concen: 28.862 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.00 min  
 Lab File: BF104702.D  
 Acq: 23 Apr 2018 12:00

Tgt Ion:178 Resp: 419050  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.8 23.8  
 179 15.2 13.0 19.6



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





#71

Anthracene

Concen: 7.765 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

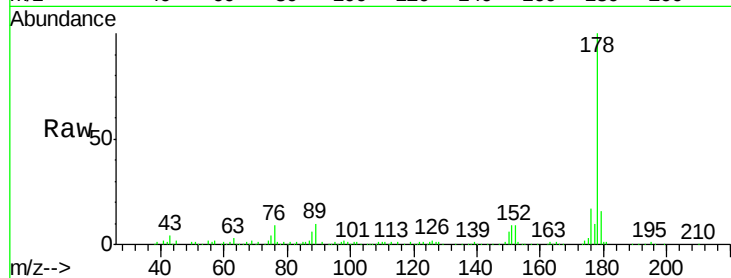
Tot Ion:178 Resp: 114600

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

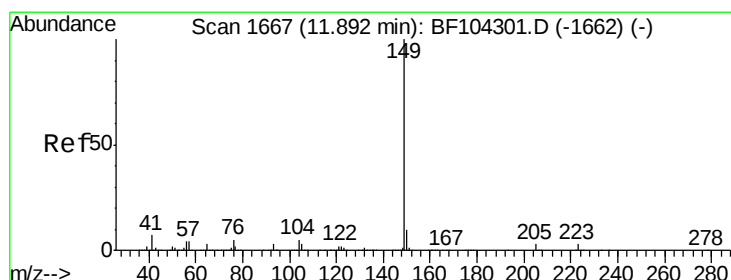
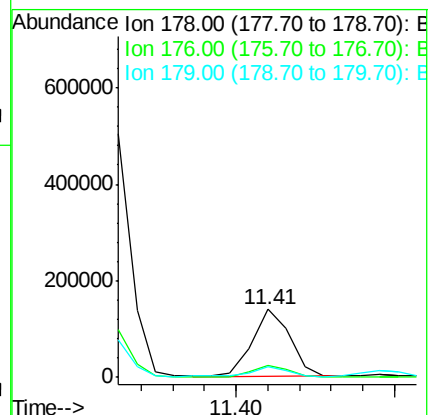
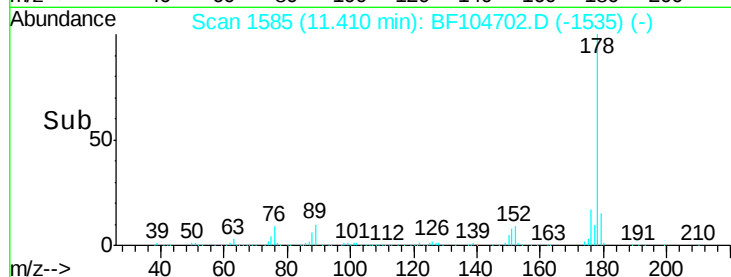
179 15.5 12.6 19.0



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: 3.427 ng

RT: 11.89 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

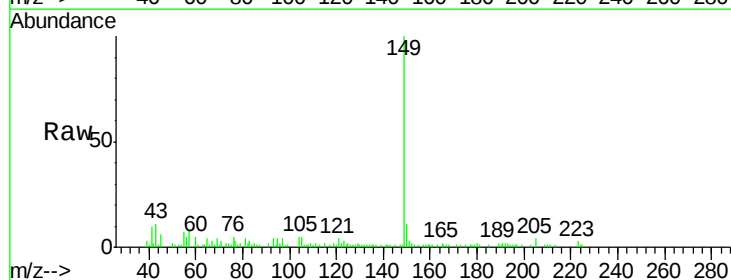
Tgt Ion:149 Resp: 60379

Ion Ratio Lower Upper

149 100

150 10.8 7.8 11.6

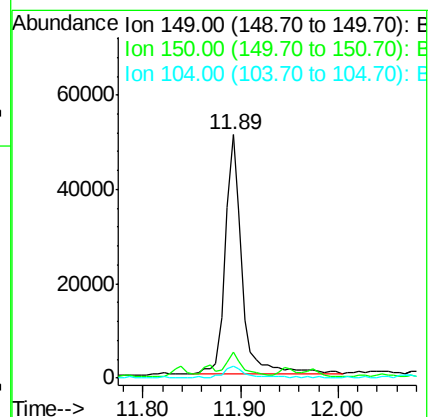
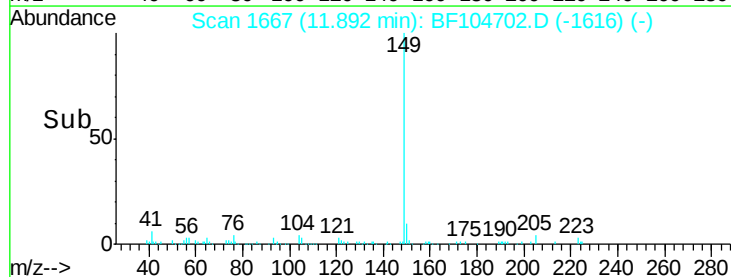
104 4.8 3.8 5.8

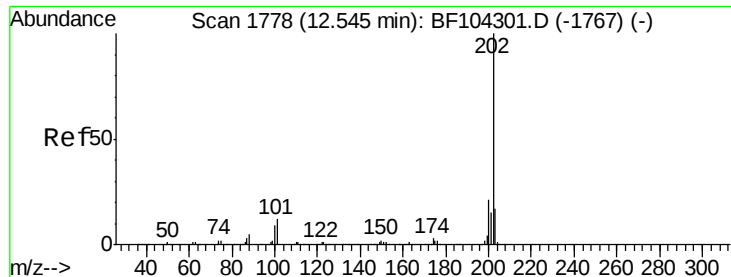


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 23.387 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

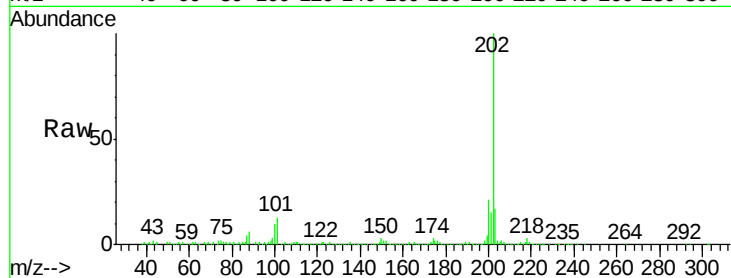
Tot Ion:202 Resp: 354774

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

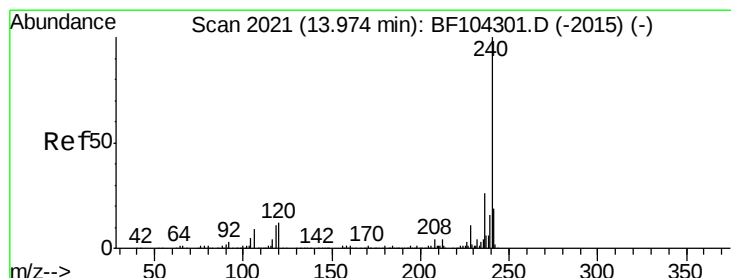
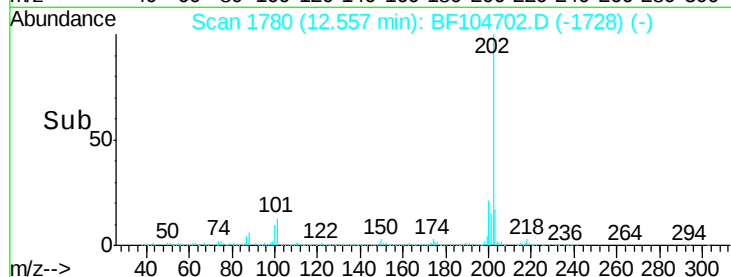
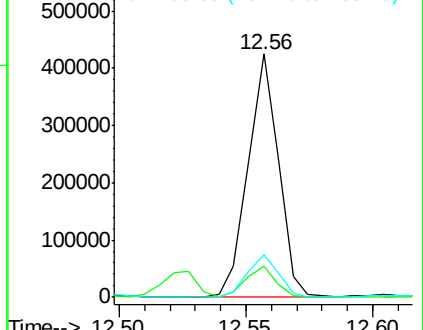
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

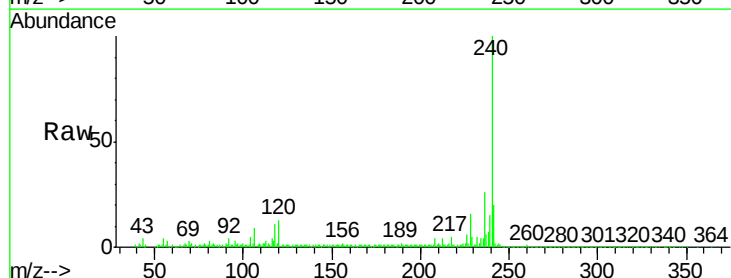
Tgt Ion:240 Resp: 217559

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

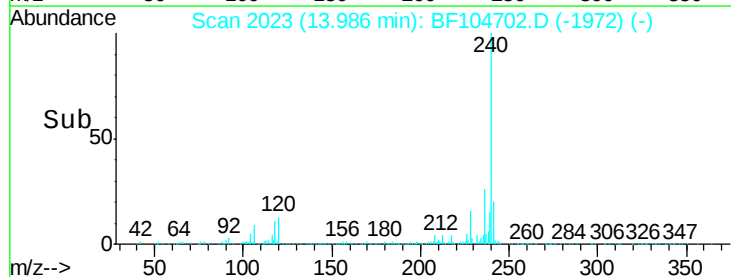
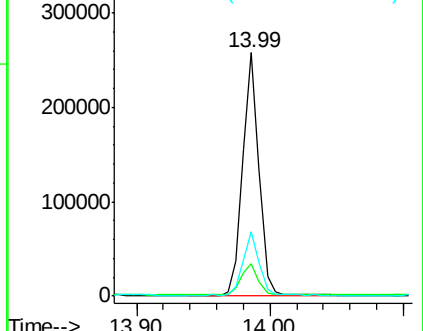
236 26.2 20.7 31.1

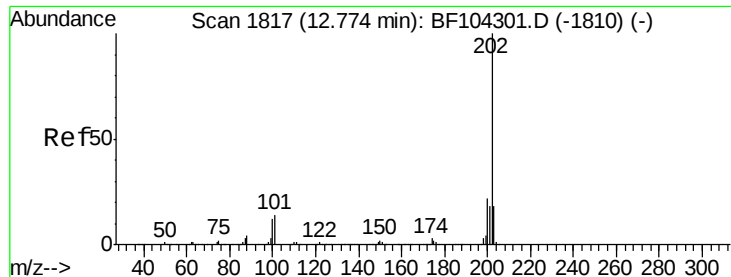


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 28.708 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

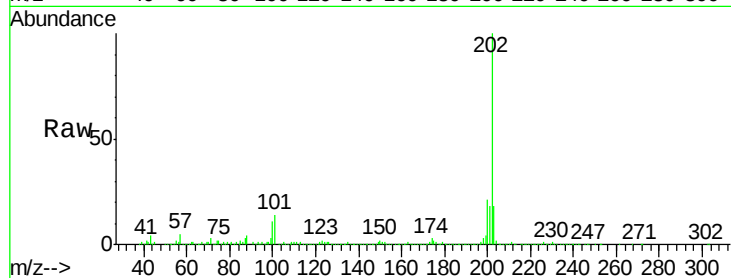
Tot Ion:202 Resp: 462952

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

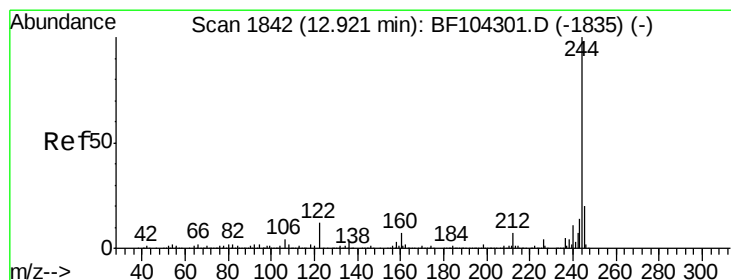
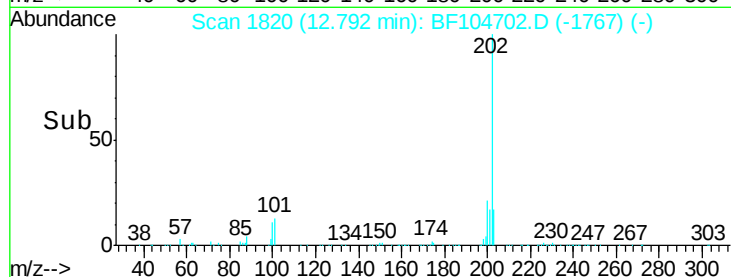
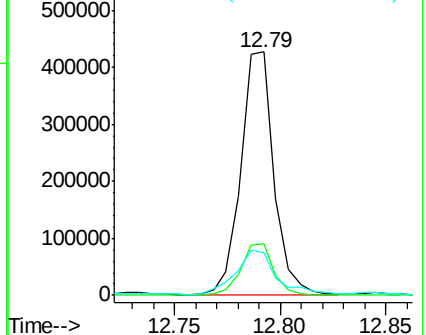
203 17.7 14.3 21.5



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: 67.095 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

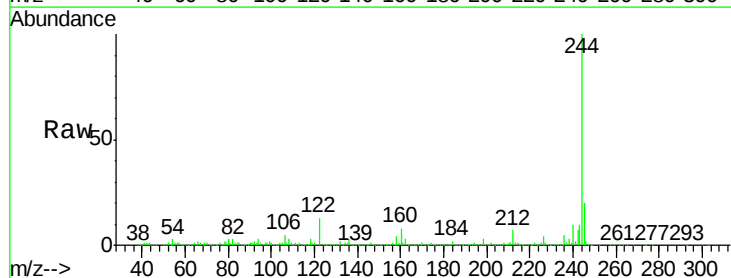
Tgt Ion:244 Resp: 640273

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

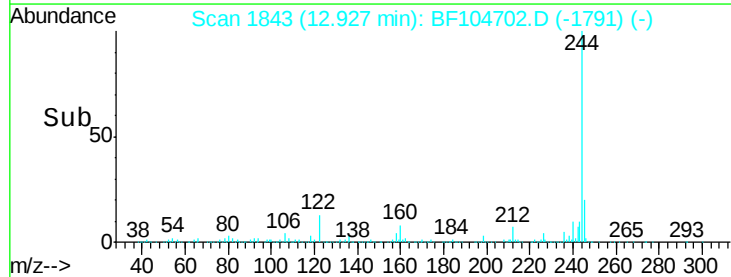
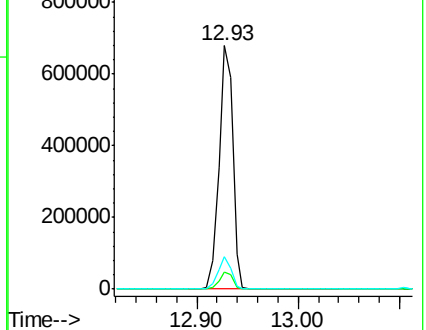
122 13.2 11.0 16.4

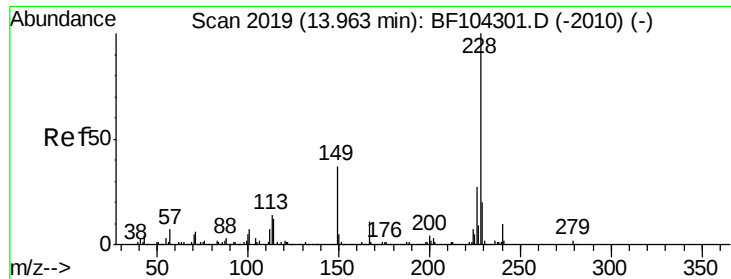


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

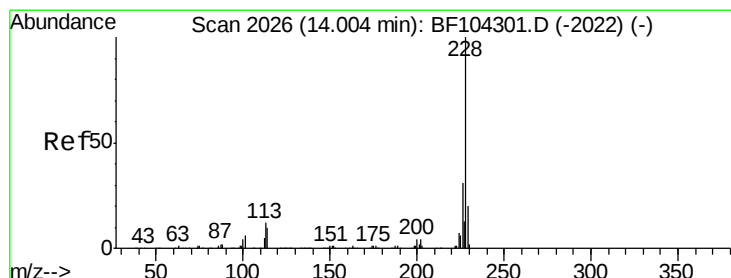
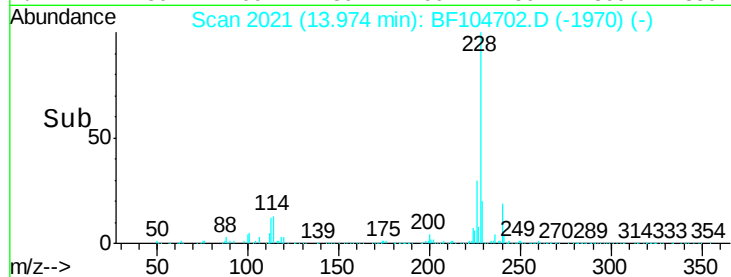
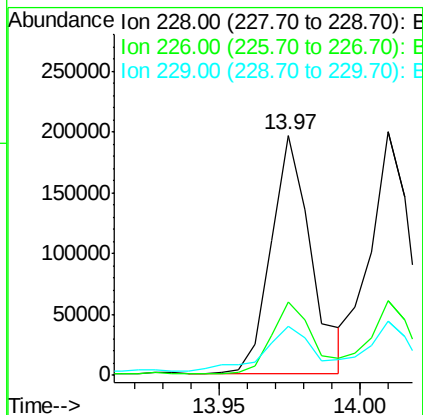
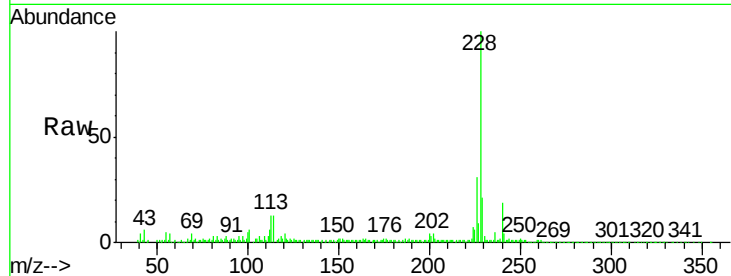




#80  
Benzo(a)anthracene  
Concen: 14.839 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. -0.00 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

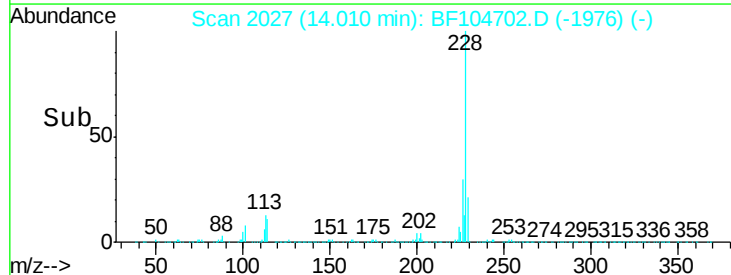
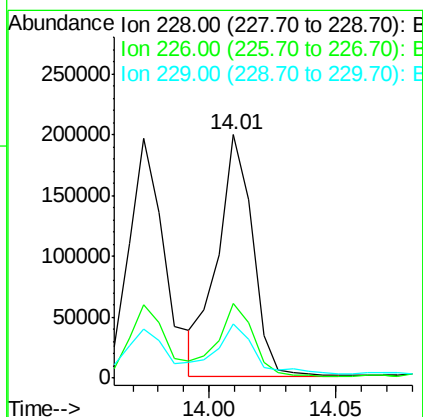
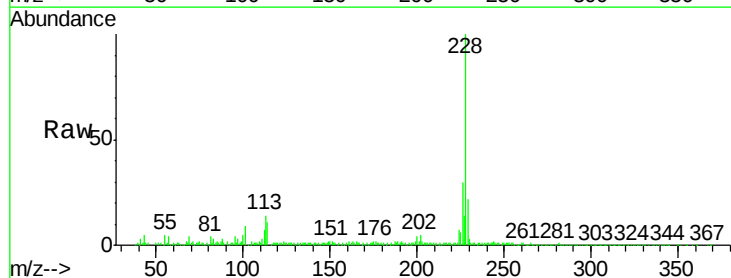
Instrument :  
BNA\_F  
ClientSampleId :

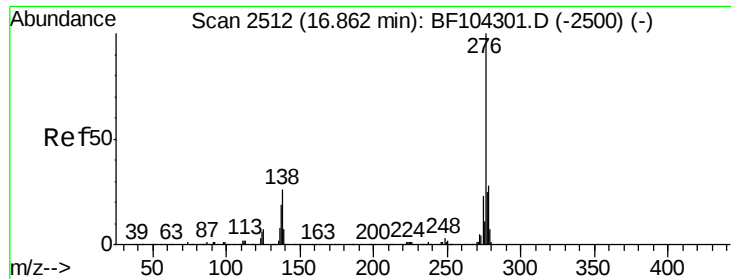
Tot Ion:228 Resp: 192863  
Ion Ratio Lower Upper  
228 100  
226 30.7 22.6 33.8  
229 20.6 15.8 23.6



#82  
Chrysene  
Concen: 14.348 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.00 min  
Lab File: BF104702.D  
Acq: 23 Apr 2018 12:00

Tgt Ion:228 Resp: 191553  
Ion Ratio Lower Upper  
228 100  
226 30.5 25.0 37.6  
229 22.4 16.2 24.4

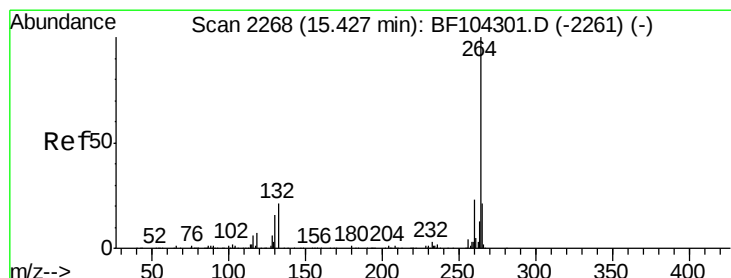
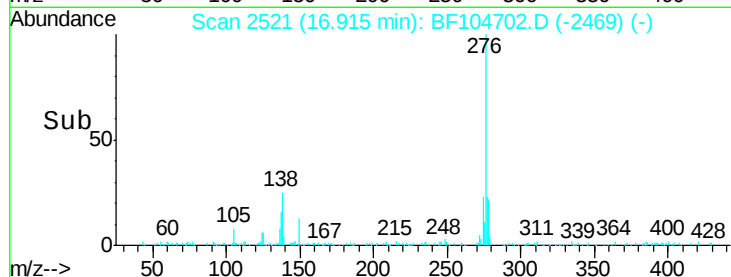
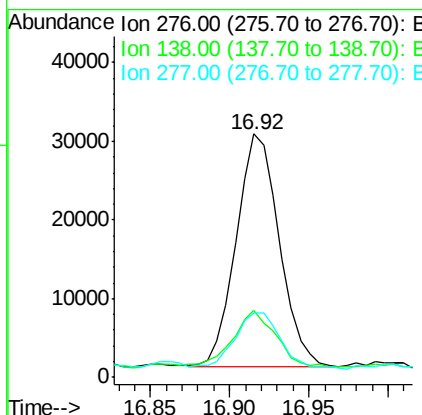
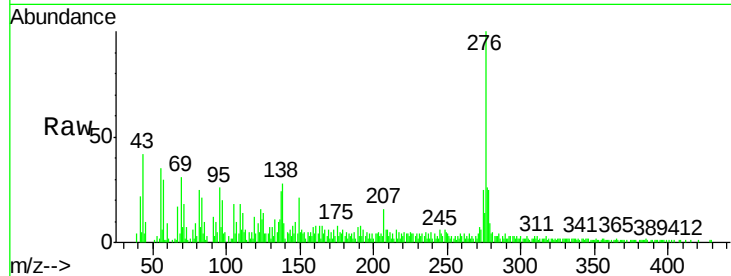




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.897 ng  
 RT: 16.92 min Scan# 2521  
 Delta R.T. 0.01 min  
 Lab File: BF104702.D  
 Acq: 23 Apr 2018 12:00

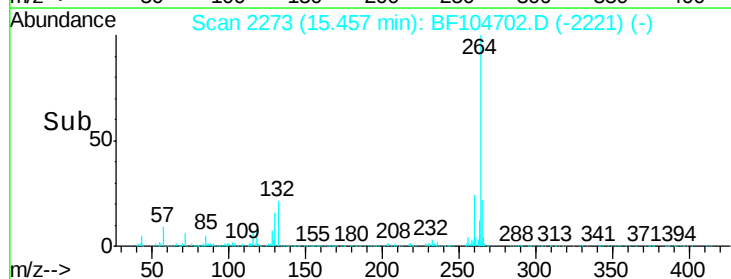
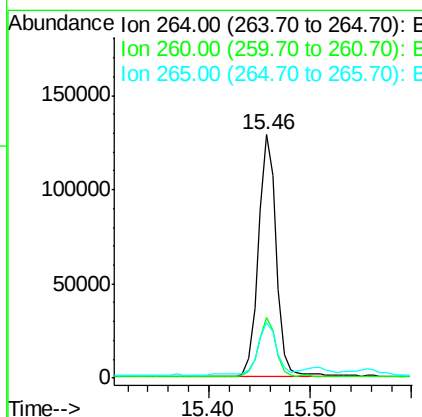
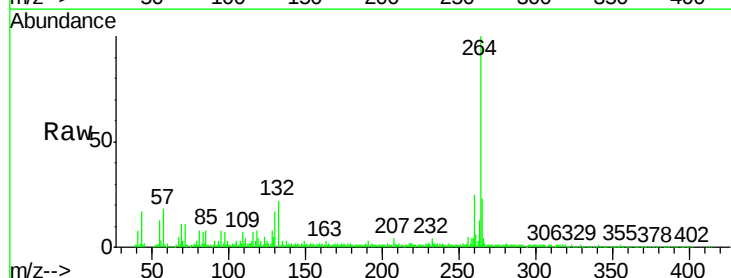
Instrument :  
 BNA\_F  
 ClientSampleId :

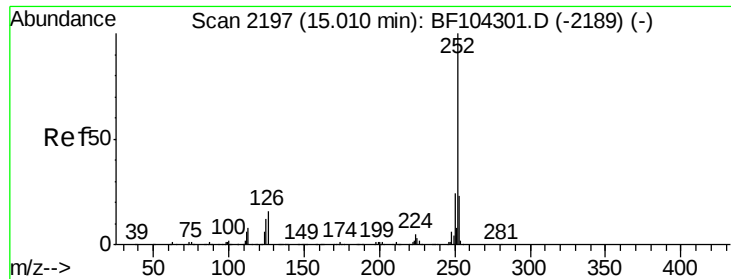
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.4  | 25.0  | 37.6  |
| 277     | 25.5  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2273  
 Delta R.T. 0.01 min  
 Lab File: BF104702.D  
 Acq: 23 Apr 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.2  | 28.8  |
| 265     | 22.9  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 19.699 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

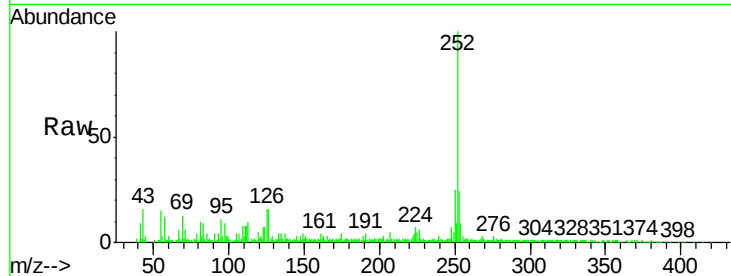
Tot Ion:252 Resp: 195619

Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.6

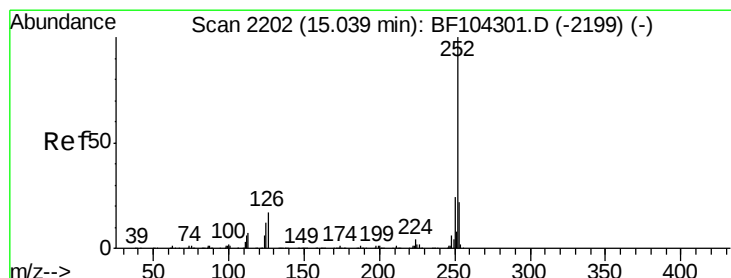
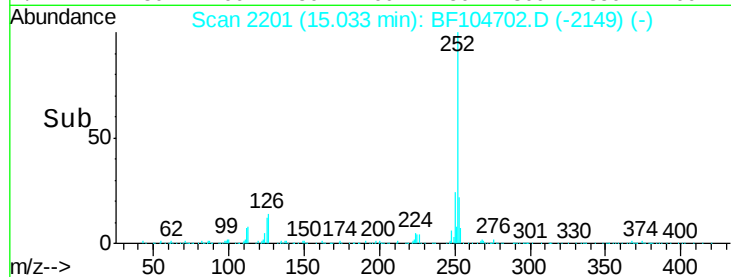
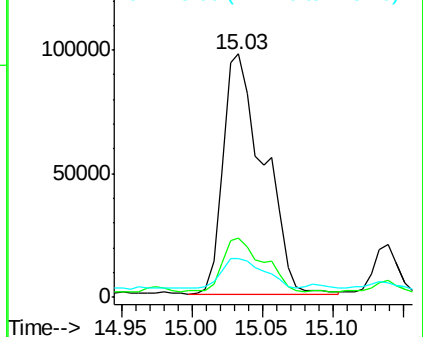
125 15.9 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 20.865 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

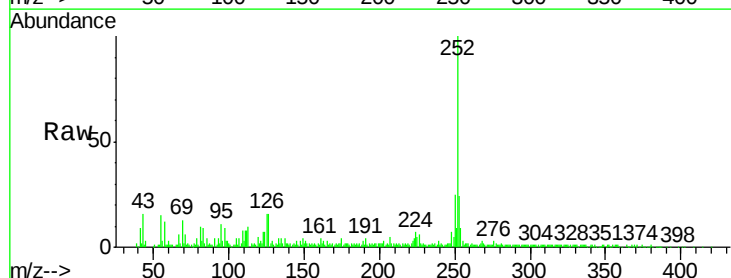
Tgt Ion:252 Resp: 195619

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

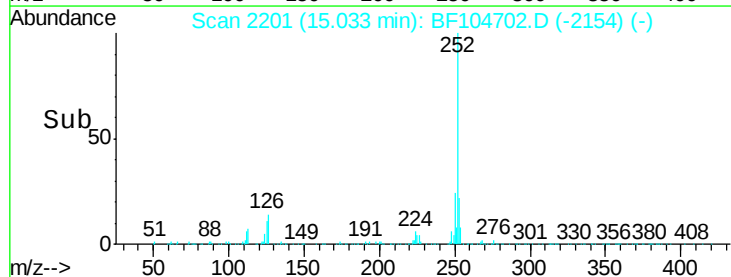
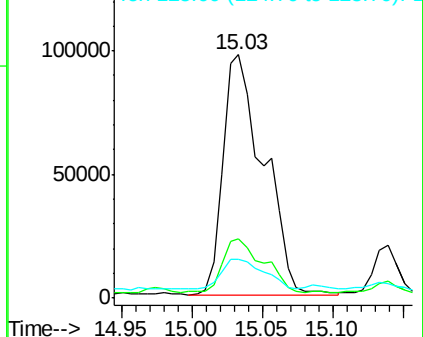
125 15.9 10.2 15.2#

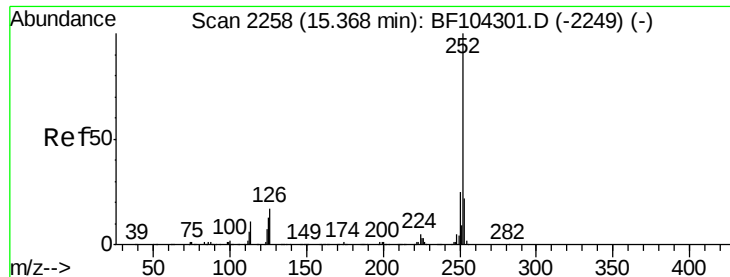


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 13.234 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

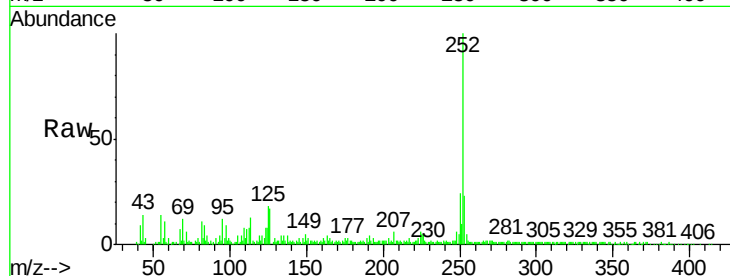
Tot Ion:252 Resp: 117586

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

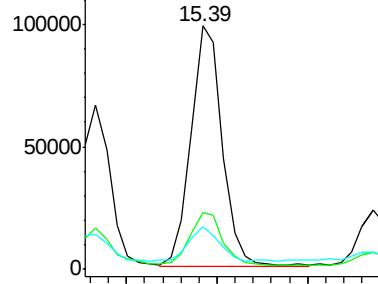
125 17.5 9.8 14.6#



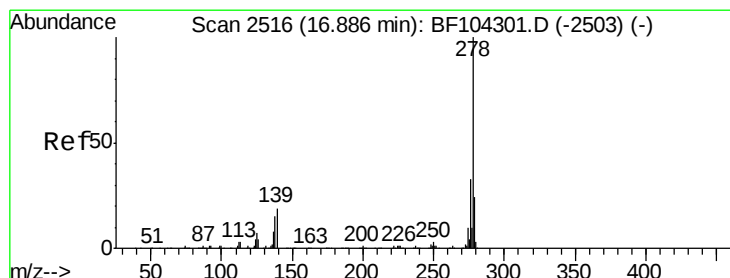
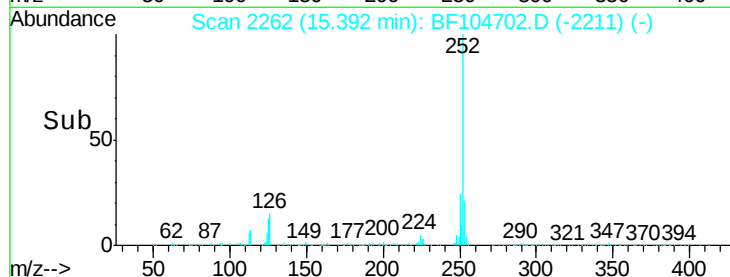
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 2.320 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

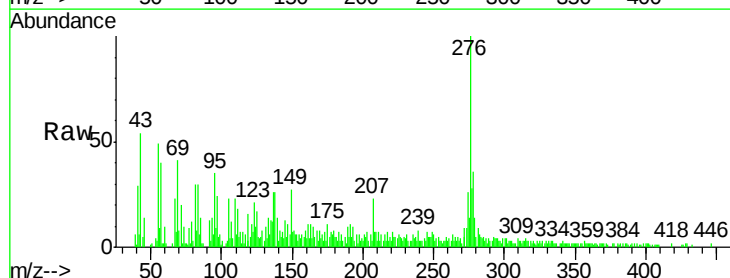
Tgt Ion:278 Resp: 16931

Ion Ratio Lower Upper

278 100

139 40.0 15.9 23.9#

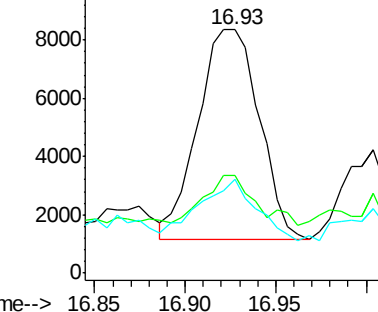
279 38.3 19.0 28.4#



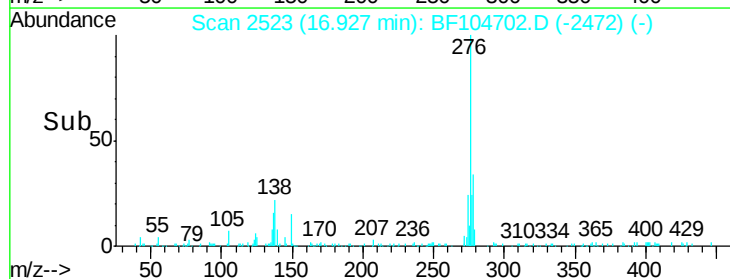
Abundance Ion 278.00 (277.70 to 278.70): E

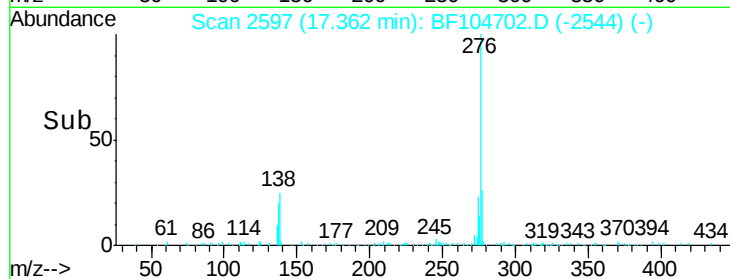
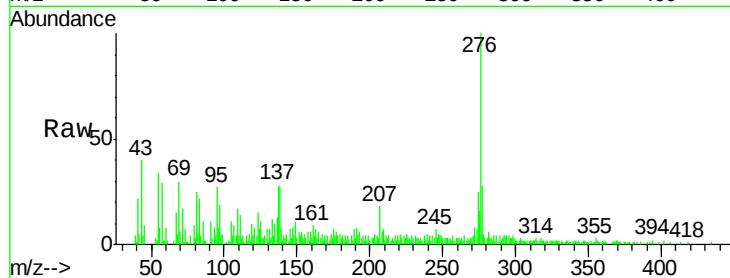
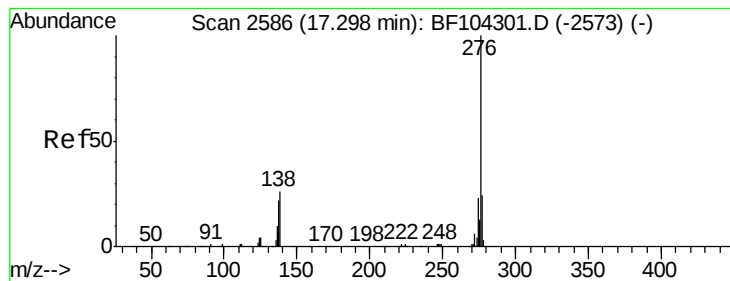
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#91

Benzo(a,h,i)perylene

Concen: 8.501 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.01 min

Lab File: BF104702.D

Acq: 23 Apr 2018 12:00

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 276 Resp: 60102

Ion Ratio Lower Upper

276 100

277 28.4 17.9 26.9#

138 27.0 21.8 32.8

