

Data Path : Z:\HPCHEM1\BNA F\Data\BF040317\  
 Data File : BF094159.D  
 Acq On : 4 Apr 2017 10:21  
 Operator : SJ/MA  
 Sample : I2458-03DL 25X  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 04 11:47:01 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.89  | 152  | 164880   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.39  | 136  | 612426   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.53  | 164  | 234156   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.36 | 188  | 365350   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.62 | 240  | 313227   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 16.24 | 264  | 216012   | 20.00 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 5) 2-Fluorophenol           | 4.42  | 112 | 48088 | 4.93 | ng | -0.02 |
| 7) Phenol-d6                | 5.49  | 99  | 60881 | 5.04 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 6.53  | 82  | 24178 | 2.25 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.50 | 330 | 6946  | 3.75 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 8.71  | 172 | 63177 | 4.12 | ng | -0.02 |
| 78) Terphenyl-d14           | 13.33 | 244 | 37285 | 2.67 | ng | -0.02 |

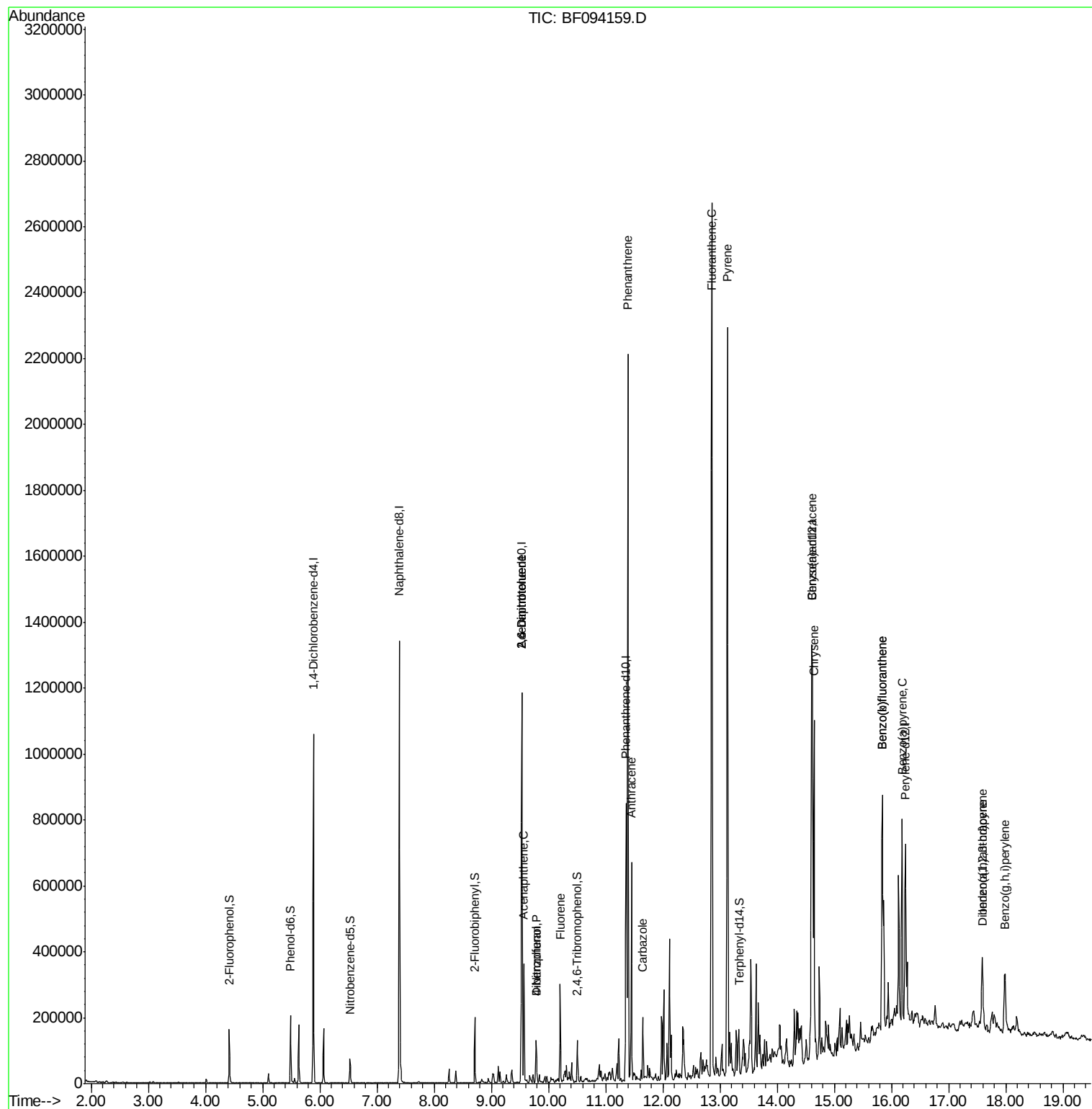
|                            |       |     |         |        |    |      |
|----------------------------|-------|-----|---------|--------|----|------|
| Target Compounds           |       |     |         | Qvalue |    |      |
| 50) 2,6-Dinitrotoluene     | 9.53  | 165 | 31439   | 8.24   | ng | # 34 |
| 51) Acenaphthene           | 9.57  | 154 | 83558   | 5.83   | ng | 99   |
| 54) Dibenzofuran           | 9.79  | 168 | 50162   | 2.57   | ng | 96   |
| 55) 4-Nitrophenol          | 9.79  | 139 | 18020   | 5.14   | ng | # 27 |
| 56) 2,4-Dinitrotoluene     | 9.53  | 165 | 31439   | 6.56   | ng | # 33 |
| 57) Fluorene               | 10.21 | 166 | 91427   | 5.65   | ng | 99   |
| 70) Phenanthrene           | 11.39 | 178 | 908788  | 44.72  | ng | 99   |
| 71) Anthracene             | 11.45 | 178 | 259911  | 12.42  | ng | 98   |
| 72) Carbazole              | 11.65 | 167 | 77620   | 3.62   | ng | 96   |
| 74) Fluoranthene           | 12.86 | 202 | 1202169 | 57.77  | ng | 99   |
| 77) Pyrene                 | 13.13 | 202 | 1024269 | 45.06  | ng | 99   |
| 80) Benzo(a)anthracene     | 14.60 | 228 | 438498  | 24.01  | ng | 100  |
| 82) Chrysene               | 14.64 | 228 | 410884  | 24.24  | ng | 97   |
| 85) Indeno(1,2,3-cd)pyrene | 17.59 | 276 | 141455  | 9.64   | ng | 93   |
| 87) Benzo(b)fluoranthene   | 15.84 | 252 | 521560  | 39.39  | ng | 97   |
| 88) Benzo(k)fluoranthene   | 15.84 | 252 | 521560  | 40.26  | ng | 97   |
| 89) Benzo(a)pyrene         | 16.19 | 252 | 260000  | 21.32  | ng | 98   |
| 90) Dibenzo(a,h)anthracene | 17.60 | 278 | 34522   | 3.34   | ng | 95   |
| 91) Benzo(a,h,i)perylene   | 17.99 | 276 | 131861  | 12.67  | ng | 99   |

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

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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Apr 04 11:47:01 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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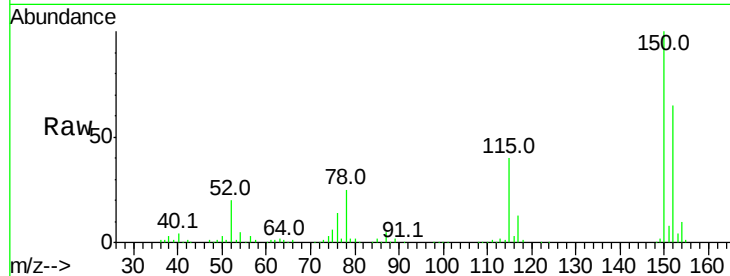


#1

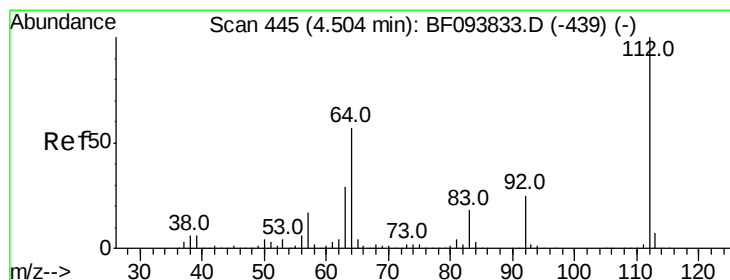
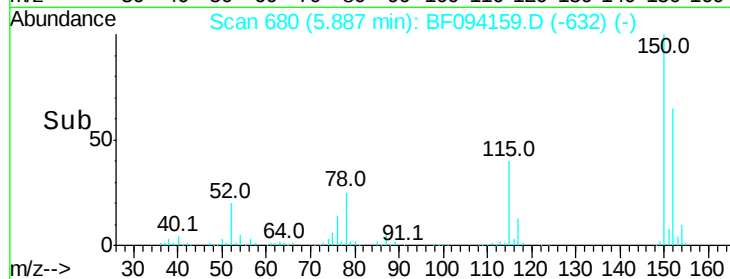
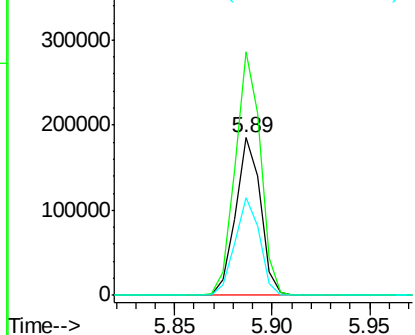
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.89 min Scan# 680  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 164880  
Ion Ratio Lower Upper  
152 100  
150 154.6 126.2 189.2  
115 62.3 52.2 78.2



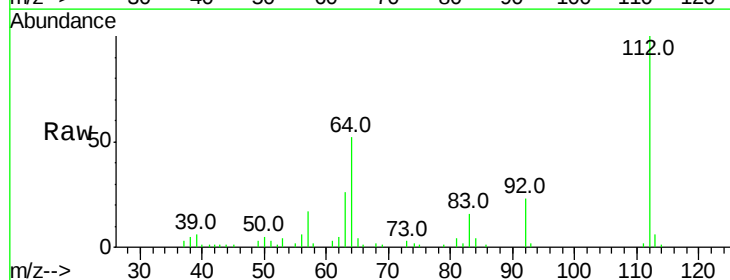
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



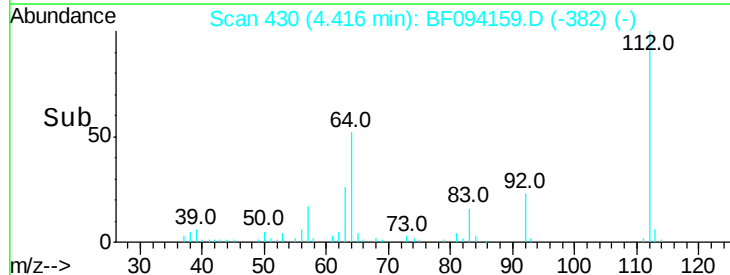
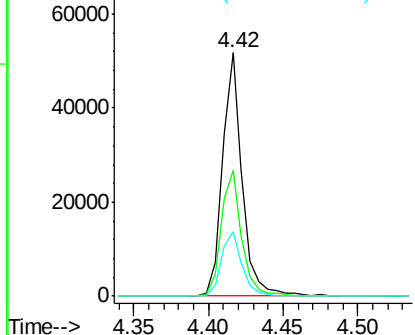
#5

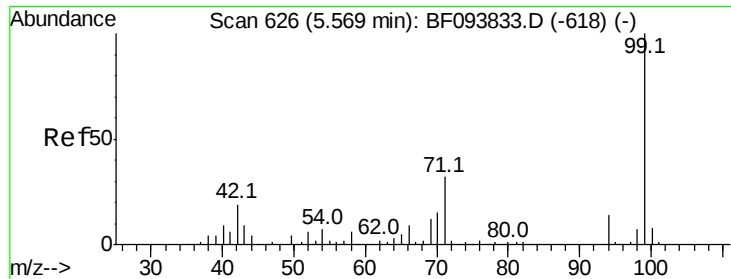
2-Fluorophenol  
Concen: 4.93 ng  
RT: 4.42 min Scan# 430  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Tgt Ion:112 Resp: 48088  
Ion Ratio Lower Upper  
112 100  
64 51.9 46.0 69.0  
63 26.2 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: 5.04 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094159.D

Acq: 4 Apr 2017 10:21

Instrument :

BNA\_F

ClientSampled :

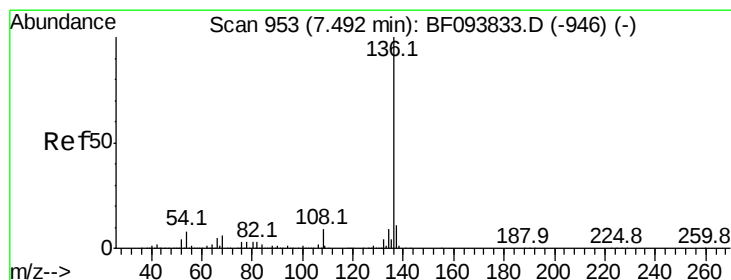
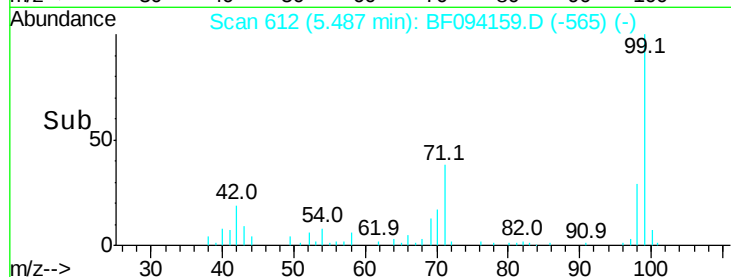
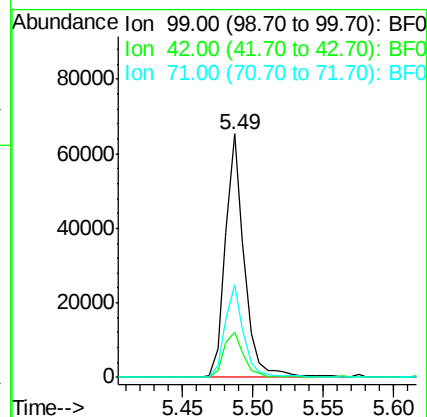
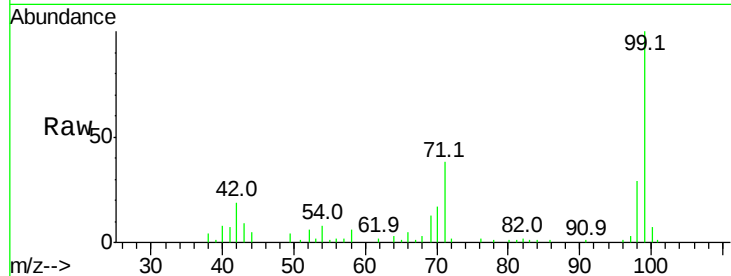
Tot Ion: 99 Resp: 60881

Ion Ratio Lower Upper

99 100

42 18.8 13.5 20.3

71 38.1 24.5 36.7#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094159.D

Acq: 4 Apr 2017 10:21

Tgt Ion: 136 Resp: 612426

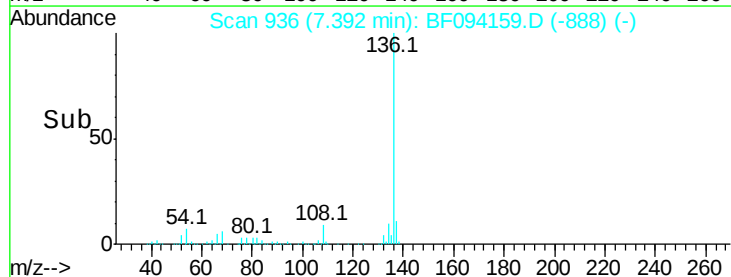
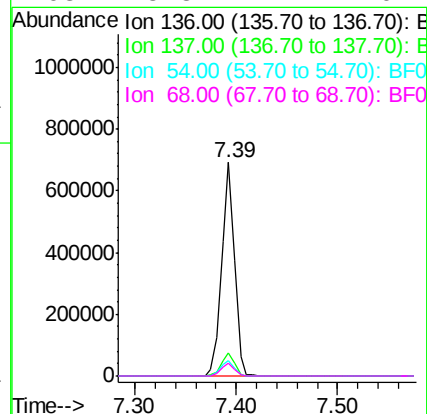
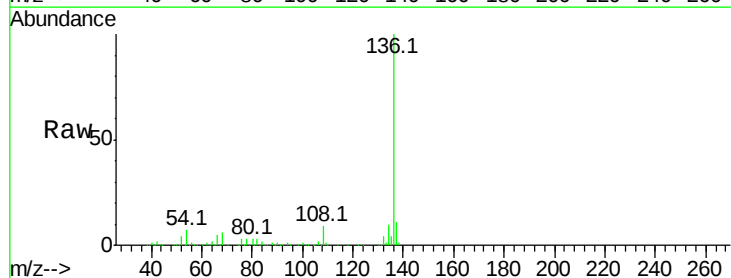
Ion Ratio Lower Upper

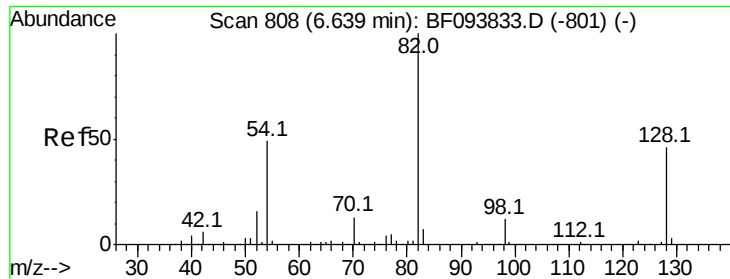
136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3

68 5.8 4.1 6.1

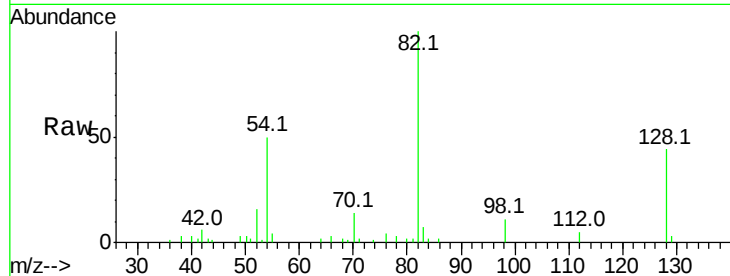




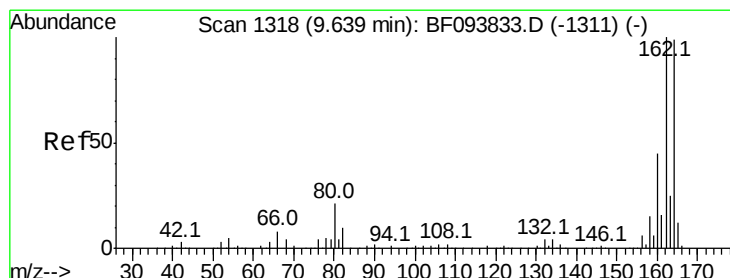
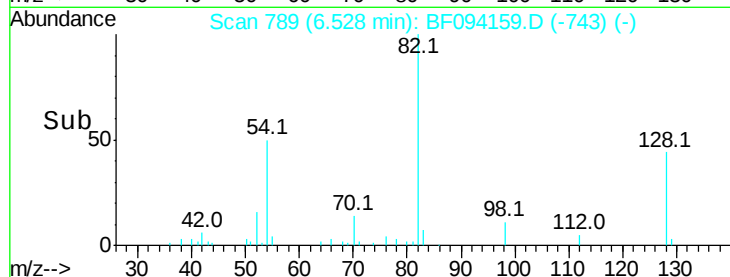
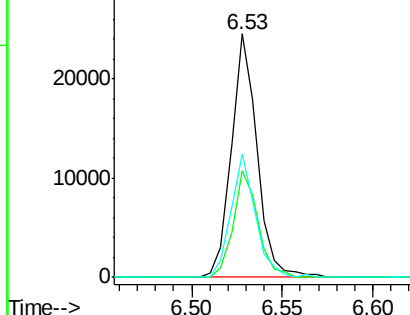
#23  
 Nitrobenzene-d5  
 Concen: 2.25 ng  
 RT: 6.53 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 24178 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 43.7  | 34.0  | 51.0  |
| 54        | 50.4  | 42.2  | 63.2  |

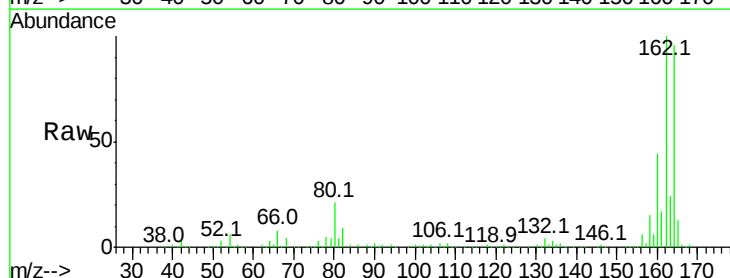


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

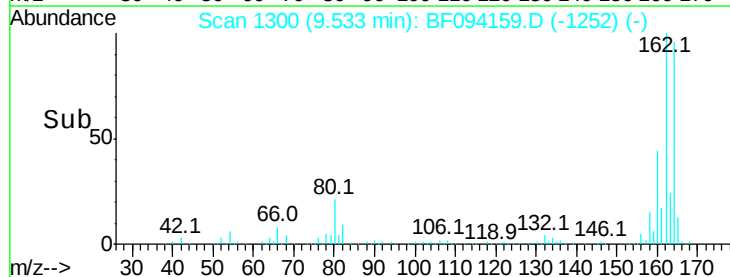
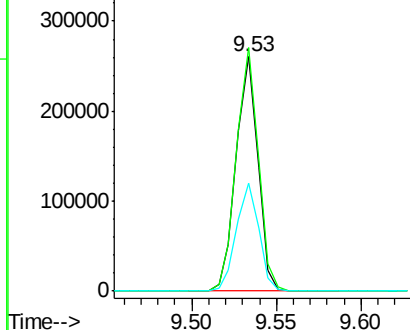


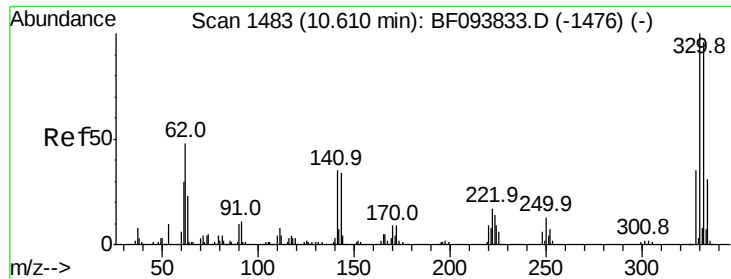
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.53 min Scan# 1300  
 Delta R.T. -0.02 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

| Tgt Ion   | 164   | Resp  | 234156 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.0 | 82.6  | 123.8  |
| 160       | 46.1  | 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

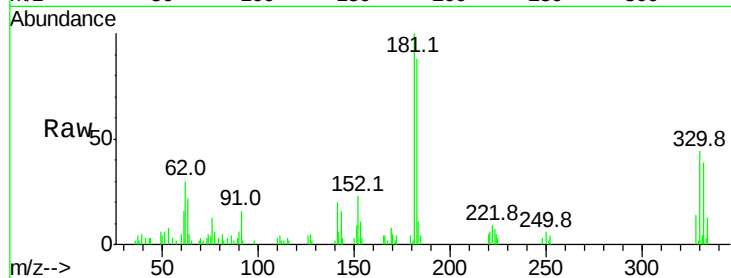




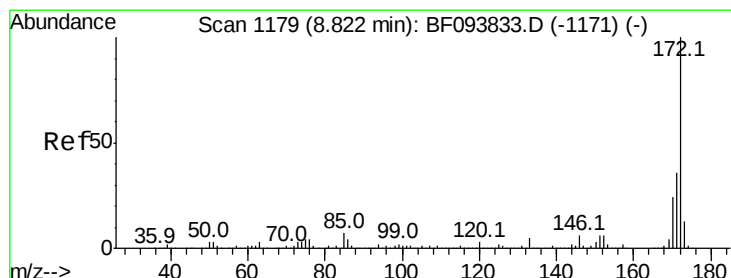
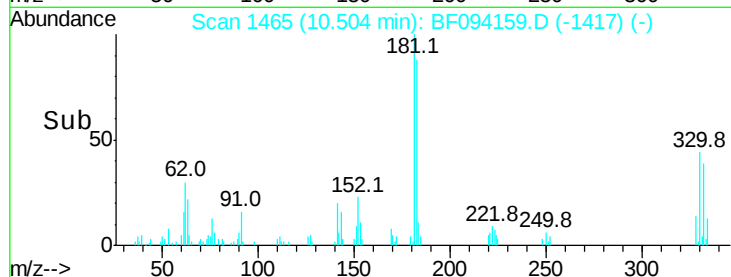
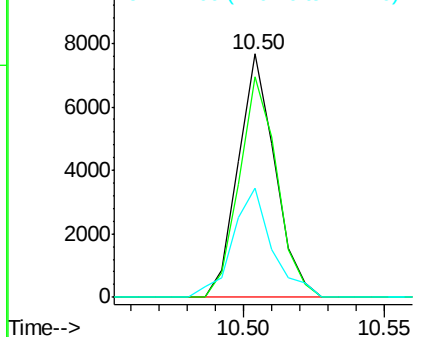
#41  
 2,4,6-Tribromophenol  
 Concen: 3.75 ng  
 RT: 10.50 min Scan# 1465  
 Delta R.T. -0.02 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 6946  
 Ion Ratio Lower Upper  
 330 100  
 332 92.6 76.6 115.0  
 141 48.2 31.4 47.2#

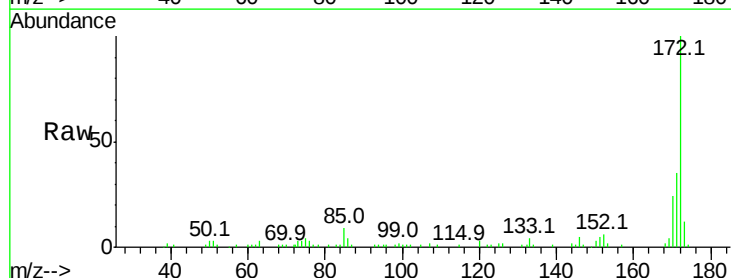


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

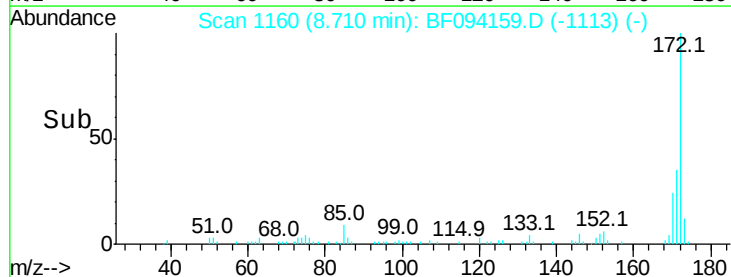
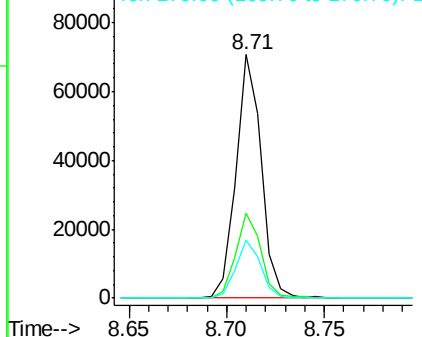


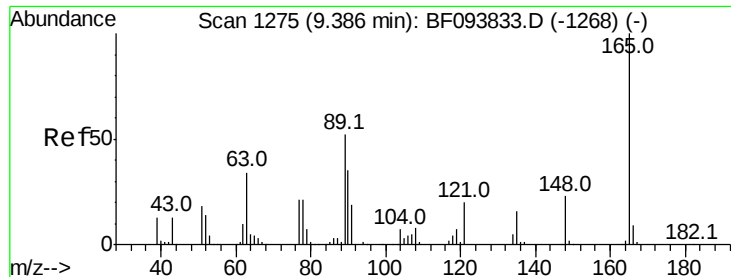
#44  
 2-Fluorobiphenyl  
 Concen: 4.12 ng  
 RT: 8.71 min Scan# 1160  
 Delta R.T. -0.02 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

Tgt Ion:172 Resp: 63177  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 29.6 44.4  
 170 23.8 19.8 29.8



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

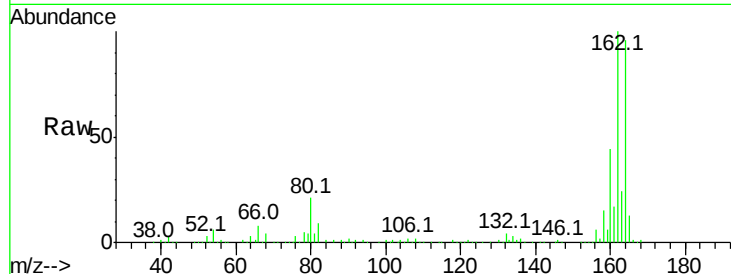




#50  
2,6-Dinitrotoluene  
Concen: 8.24 ng  
RT: 9.53 min Scan# 1300  
Delta R.T. 0.23 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Instrument :  
BNA\_F  
ClientSampleId :

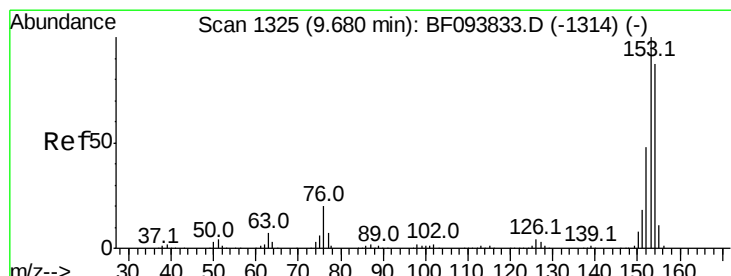
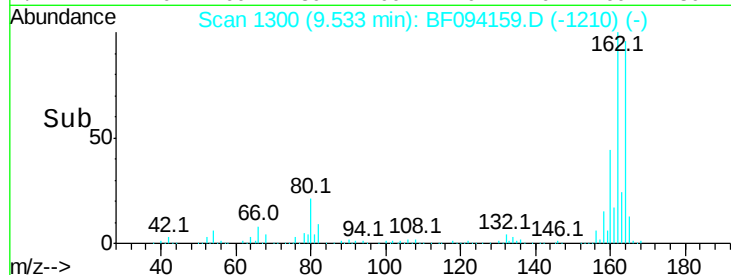
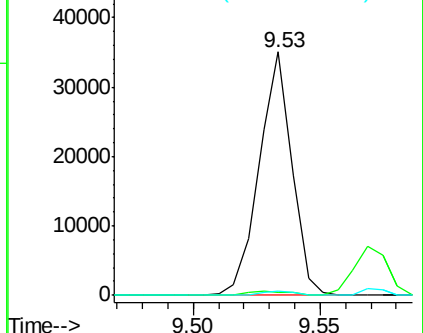
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 34.3  | 51.5# |
| 89      | 1.9   | 37.1  | 55.7# |



Abundance Ion 165.00 (164.70 to 165.70): E

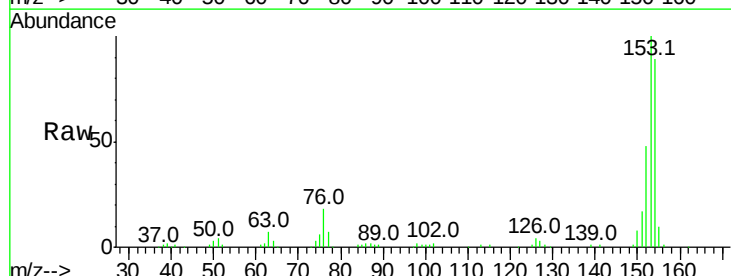
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51  
Acenaphthene  
Concen: 5.83 ng  
RT: 9.57 min Scan# 1306  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

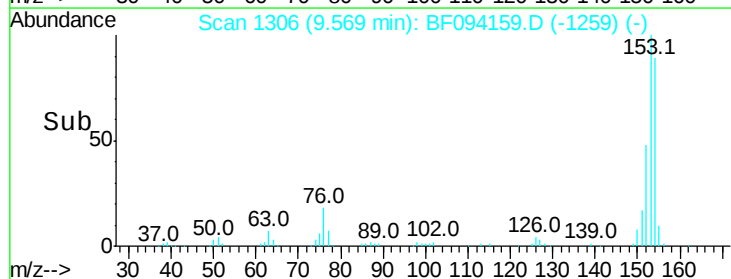
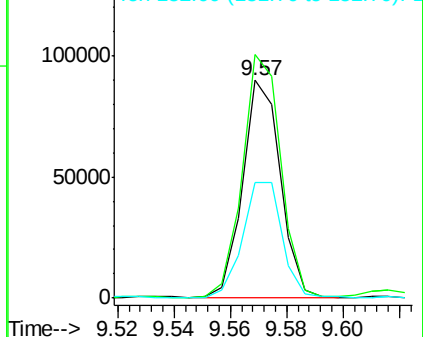
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.9 | 90.5  | 135.7 |
| 152     | 53.2  | 43.6  | 65.4  |

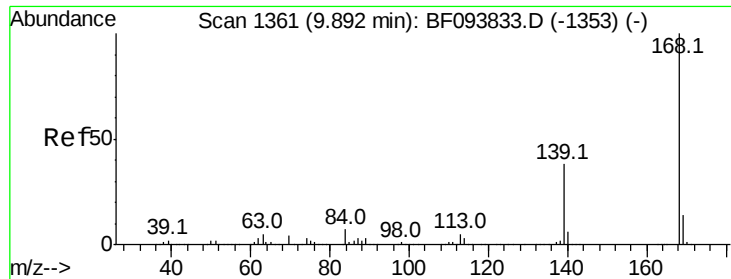


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

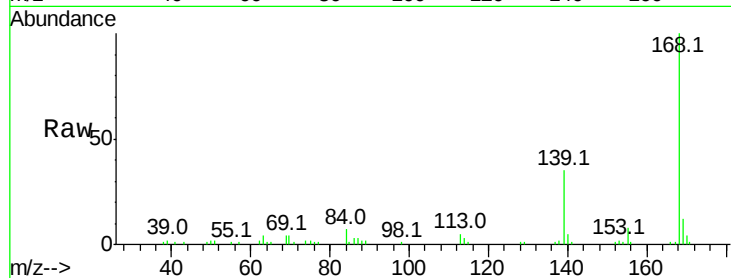




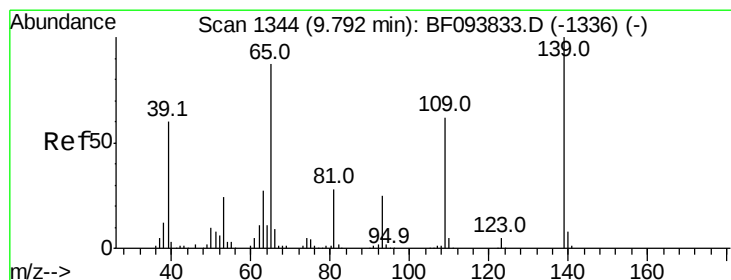
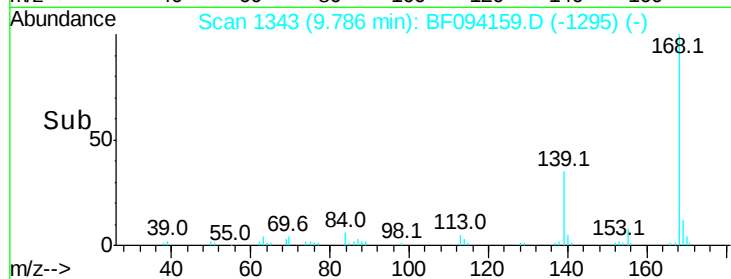
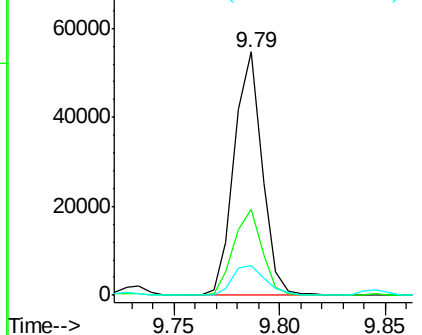
#54  
Dibenzofuran  
Concen: 2.57 ng  
RT: 9.79 min Scan# 1343  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:168 Resp: 50162  
Ion Ratio Lower Upper  
168 100  
139 35.3 30.6 45.8  
169 12.4 10.8 16.2

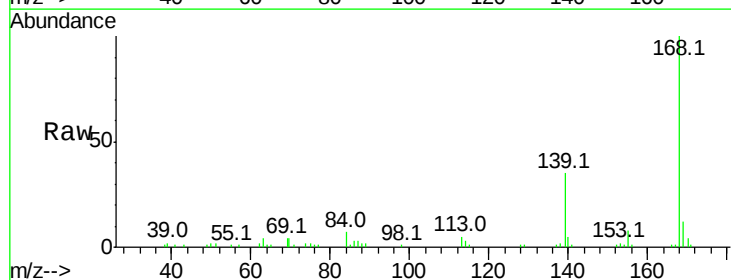


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

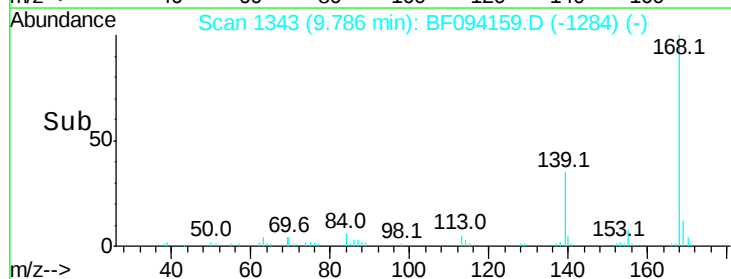
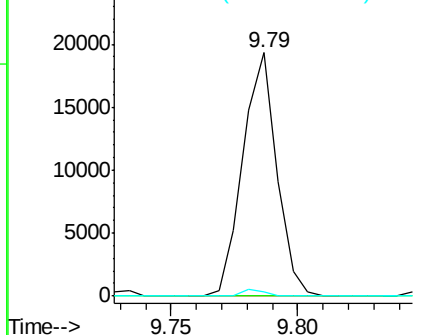


#55  
4-Nitrophenol  
Concen: 5.14 ng  
RT: 9.79 min Scan# 1343  
Delta R.T. 0.05 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Tgt Ion:139 Resp: 18020  
Ion Ratio Lower Upper  
139 100  
109 0.0 34.1 74.1#  
65 1.9 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

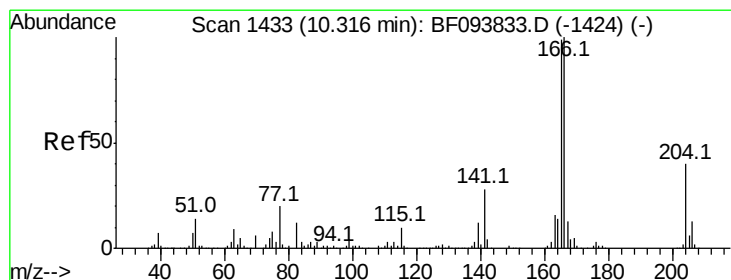
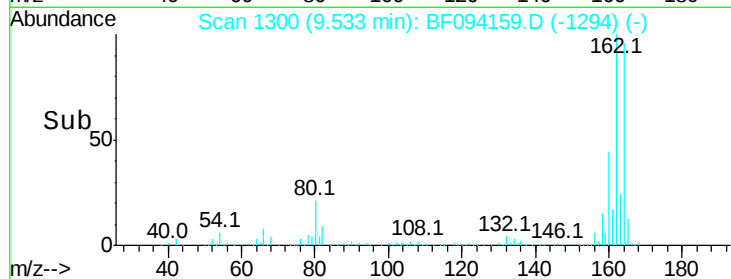
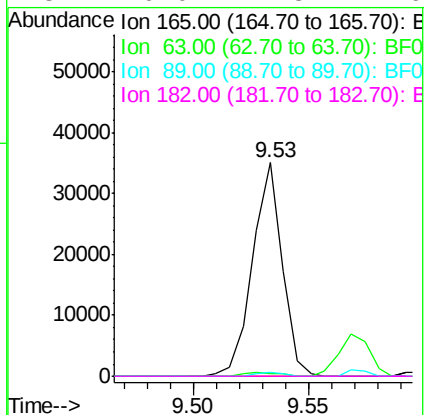
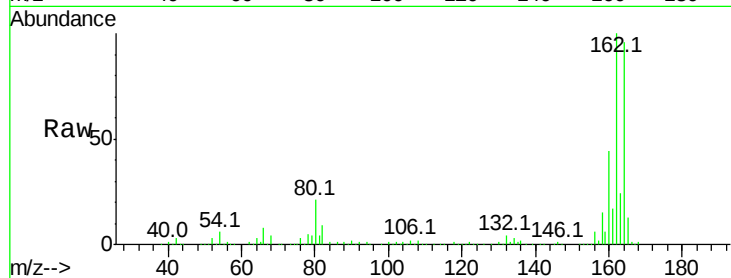




#56  
2,4-Dinitrotoluene  
Concen: 6.56 ng  
RT: 9.53 min Scan# 1300  
Delta R.T. -0.26 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

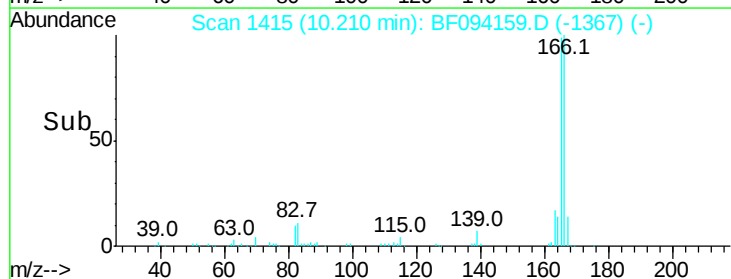
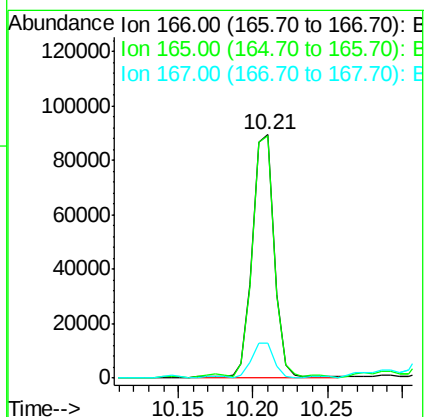
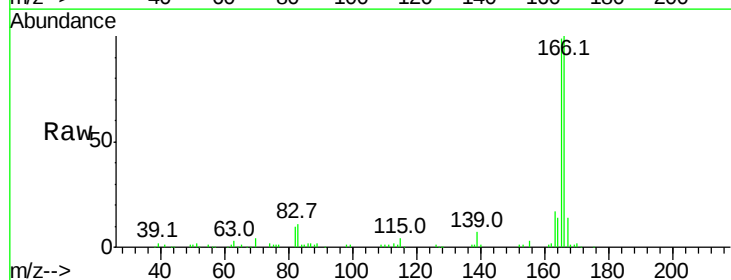
Instrument :  
BNA\_F  
ClientSampleId :

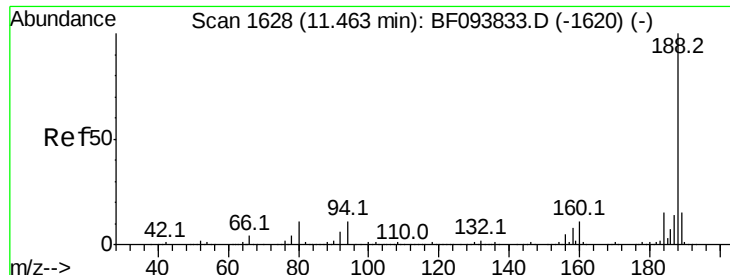
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 25.4  | 38.0# |
| 89      | 1.9   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



#57  
Fluorene  
Concen: 5.65 ng  
RT: 10.21 min Scan# 1415  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.3  | 78.8  | 118.2 |
| 167     | 14.4  | 10.6  | 16.0  |

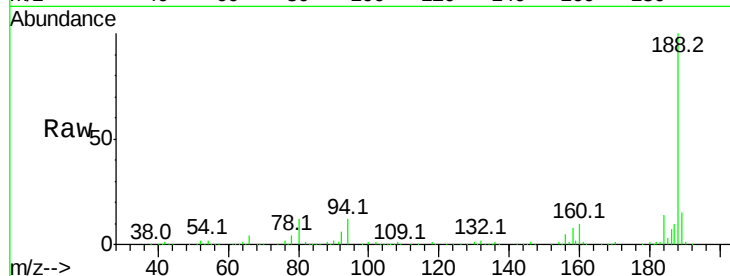




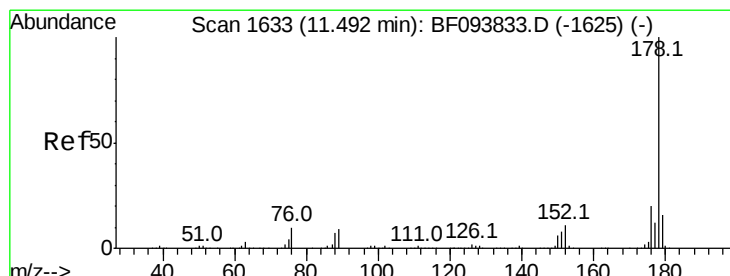
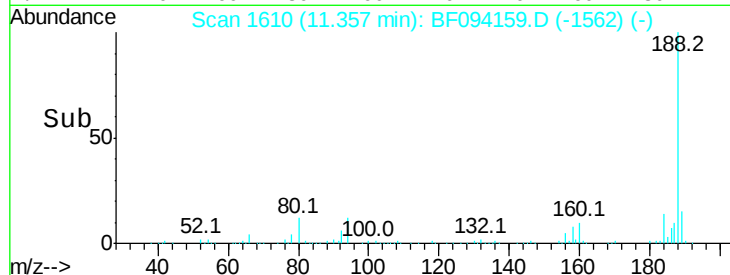
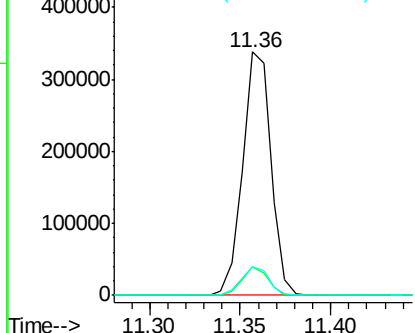
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 1610  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 365350  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.4 14.2  
80 11.8 10.2 15.2

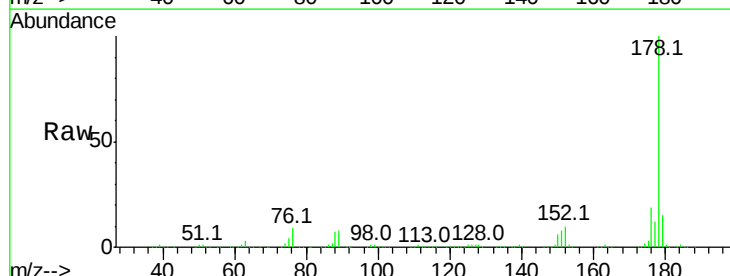


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

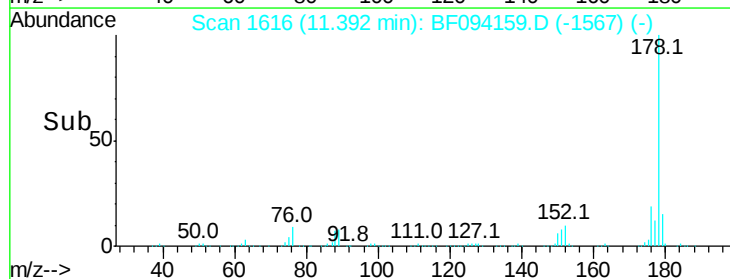
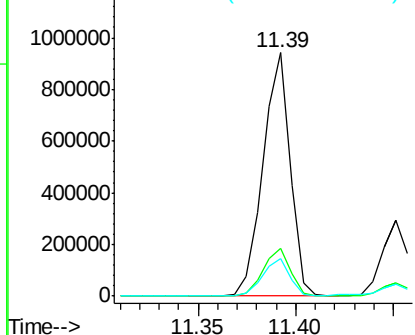


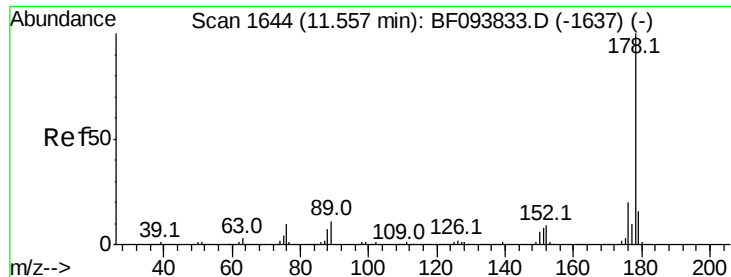
#70  
Phenanthrene  
Concen: 44.72 ng  
RT: 11.39 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Tgt Ion:178 Resp: 908788  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.2 24.4  
179 15.4 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

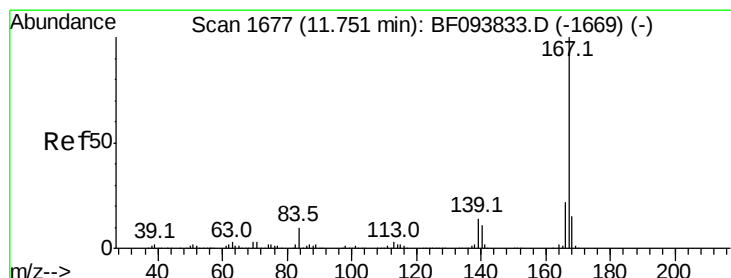
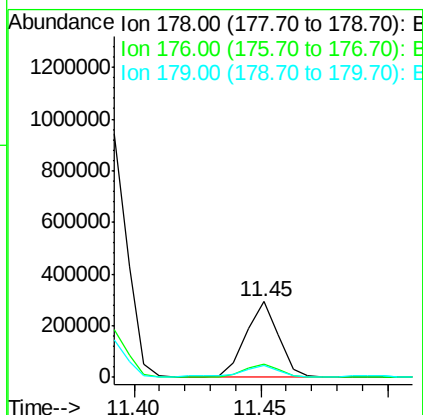
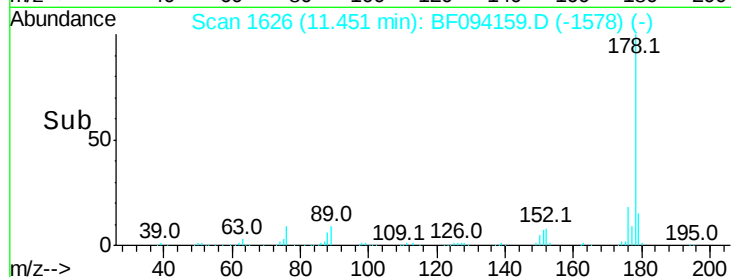
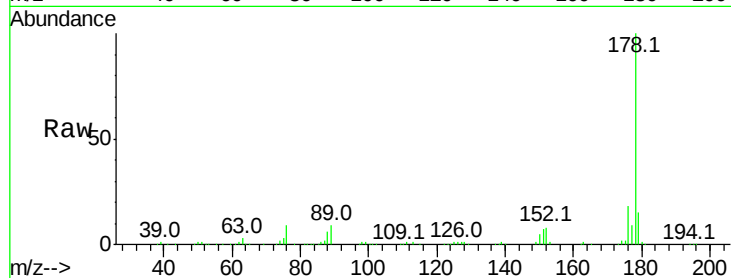




#71  
 Anthracene  
 Concen: 12.42 ng  
 RT: 11.45 min Scan# 1626  
 Delta R.T. -0.02 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

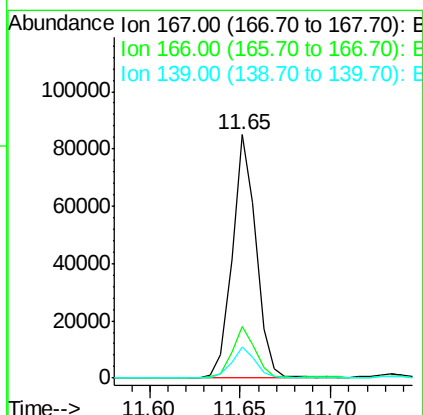
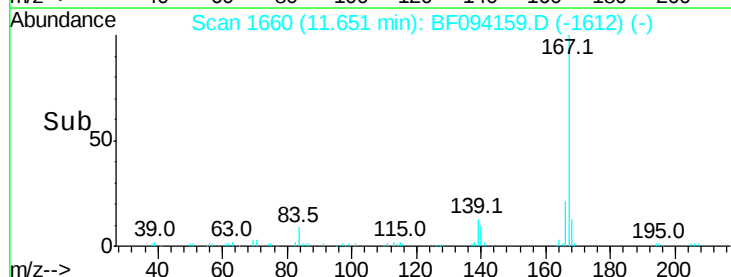
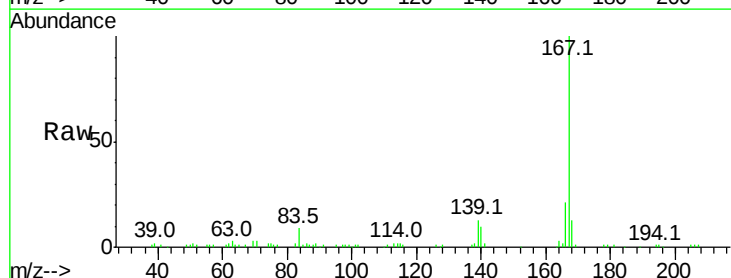
Instrument :  
 BNA\_F  
 ClientSampleId :

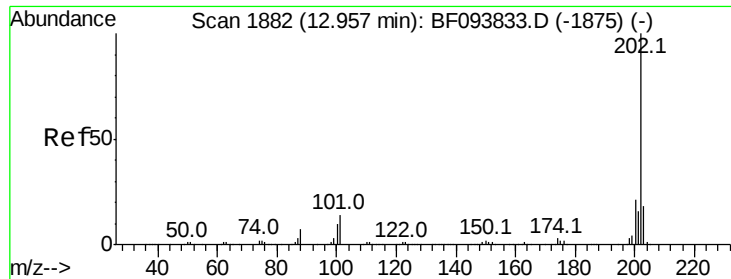
Tot Ion:178 Resp: 259911  
 Ion Ratio Lower Upper  
 178 100  
 176 18.3 15.8 23.8  
 179 15.4 12.7 19.1



#72  
 Carbazole  
 Concen: 3.62 ng  
 RT: 11.65 min Scan# 1660  
 Delta R.T. -0.02 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

Tgt Ion:167 Resp: 77620  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 18.1 27.1  
 139 12.8 11.7 17.5





#74

Fluoranthene

Concen: 57.77 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094159.D

Acq: 4 Apr 2017 10:21

Instrument :

BNA\_F

ClientSampleId :

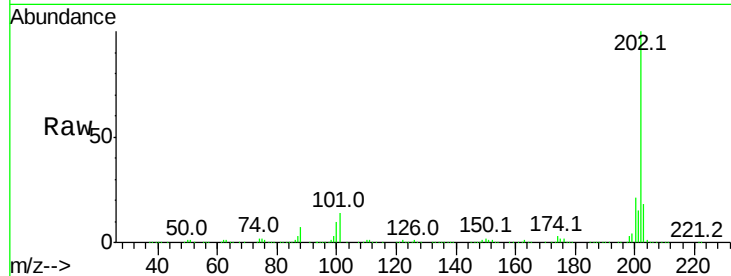
Tot Ion:202 Resp: 1202169

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

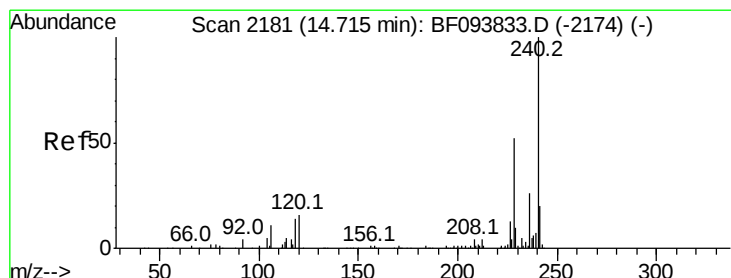
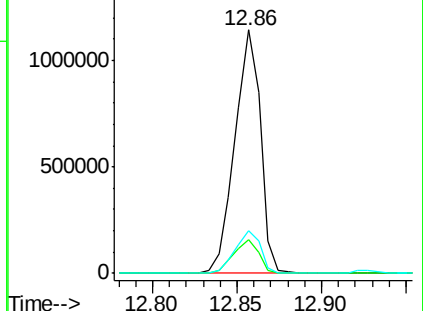
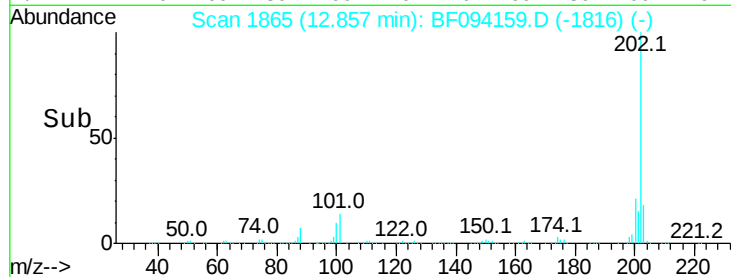
203 17.7 0.0 38.1



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: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094159.D

Acq: 4 Apr 2017 10:21

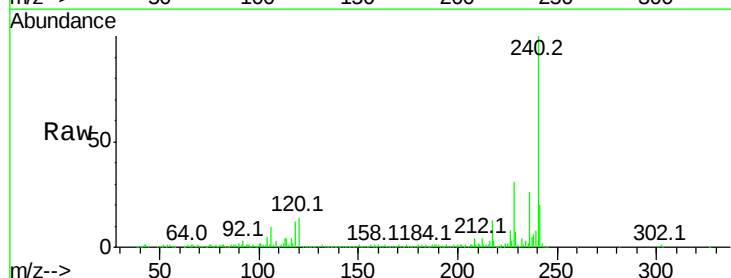
Tgt Ion:240 Resp: 313227

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

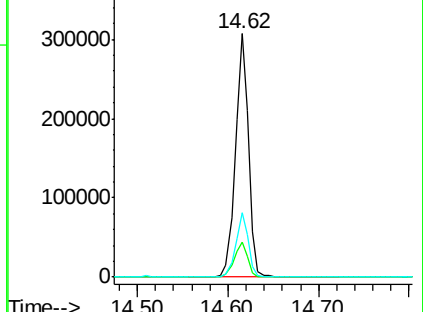
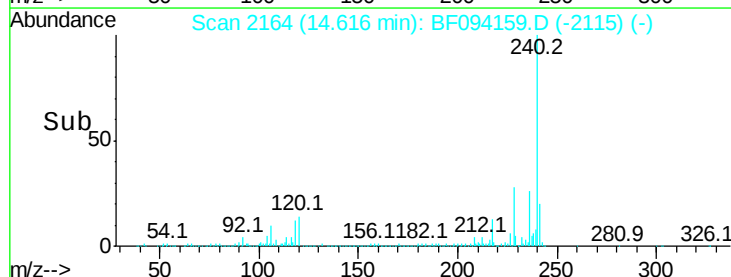
236 26.2 20.5 30.7

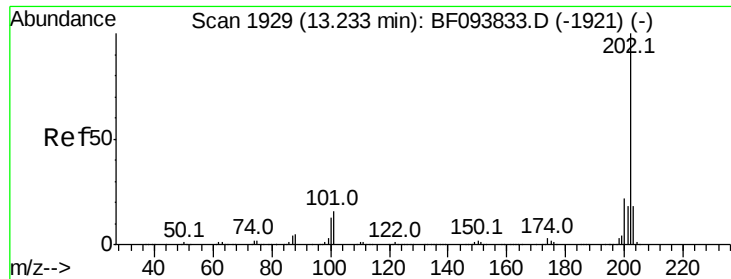


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

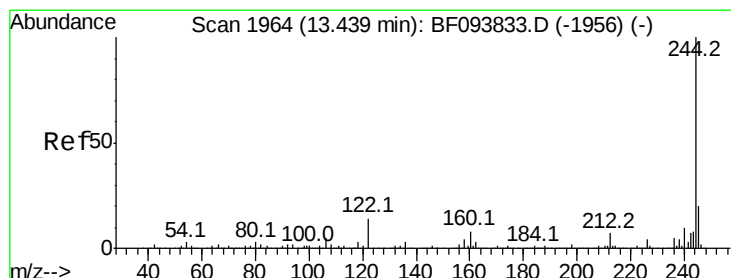
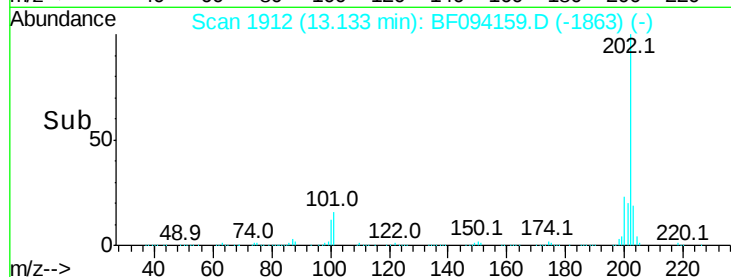
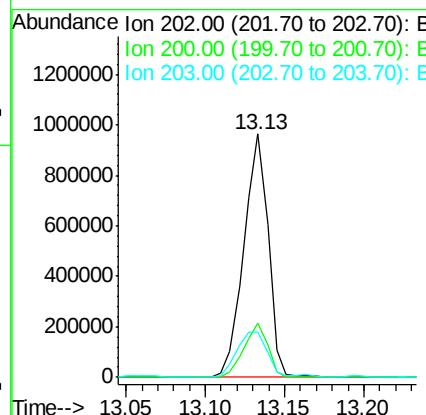
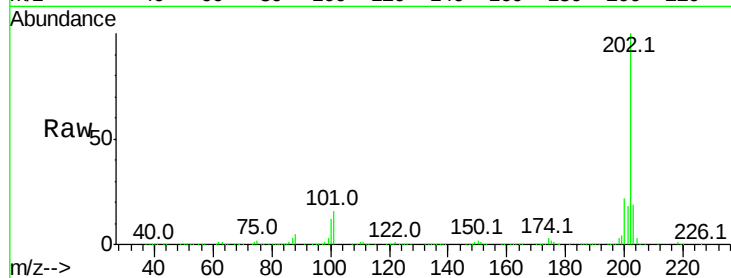




#77  
Pvrene  
Concen: 45.06 ng  
RT: 13.13 min Scan# 1912  
Delta R.T. -0.01 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

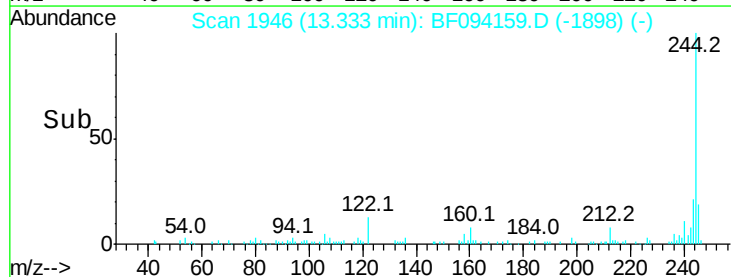
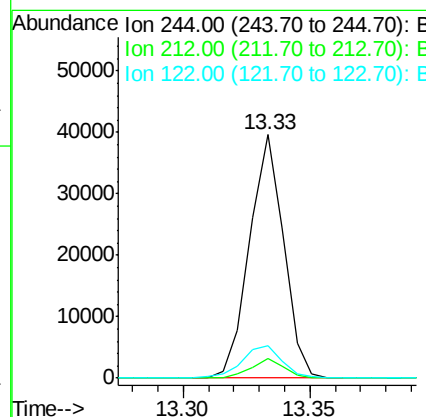
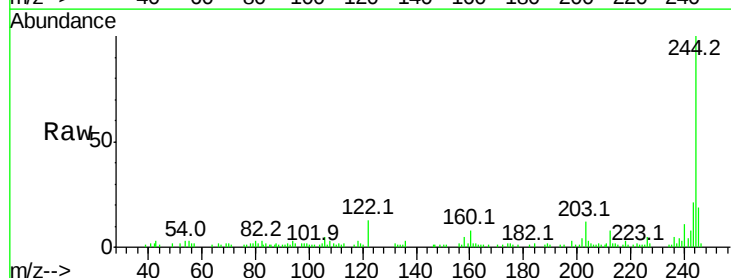
Instrument :  
BNA\_F  
ClientSampleId :

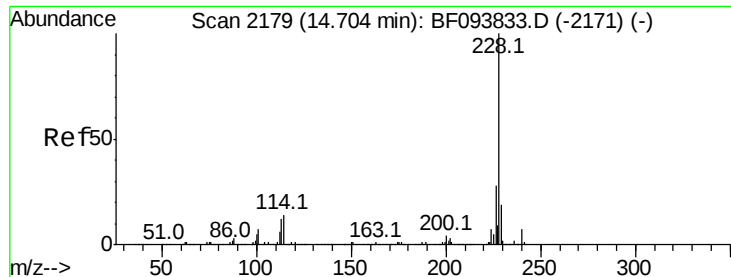
Tot Ion:202 Resp: 1024269  
Ion Ratio Lower Upper  
202 100  
200 22.1 17.6 26.4  
203 18.8 14.4 21.6



#78  
Terphenyl-d14  
Concen: 2.67 ng  
RT: 13.33 min Scan# 1946  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Tgt Ion:244 Resp: 37285  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.0 9.0  
122 13.5 10.3 15.5

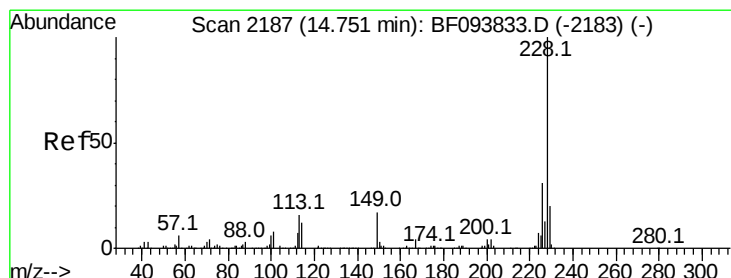
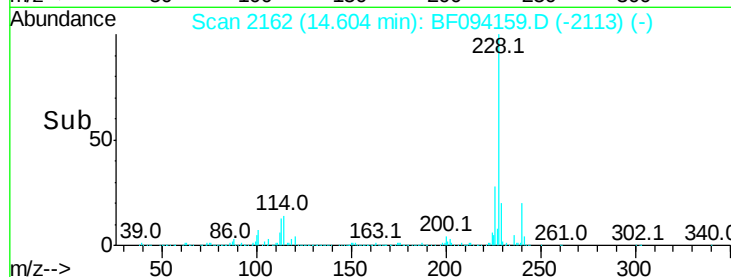
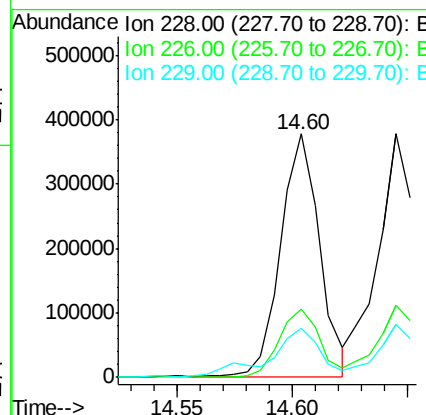
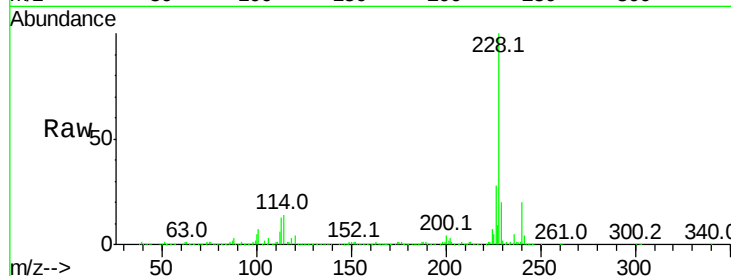




#80  
Benzo(a)anthracene  
Concen: 24.01 ng  
RT: 14.60 min Scan# 2162  
Delta R.T. -0.01 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

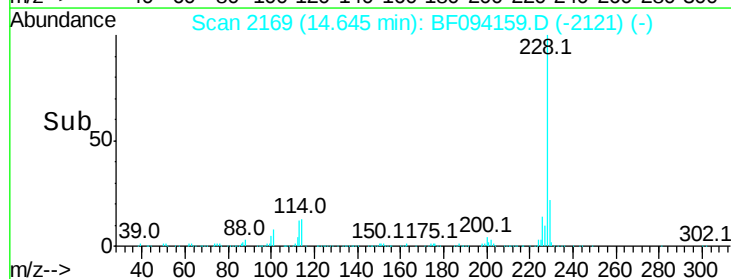
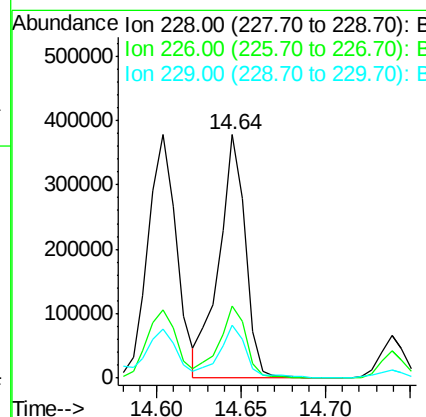
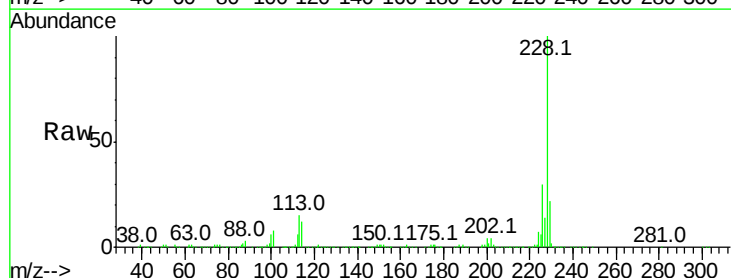
Instrument :  
BNA\_F  
ClientSampleId :

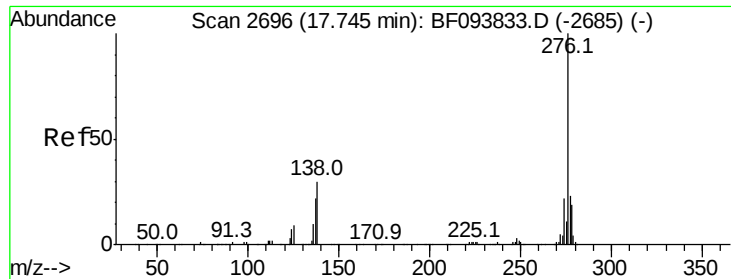
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 22.6  | 33.8  |
| 229     | 20.3  | 16.3  | 24.5  |



#82  
Chrysene  
Concen: 24.24 ng  
RT: 14.64 min Scan# 2169  
Delta R.T. -0.02 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 24.9  | 37.3  |
| 229     | 21.7  | 15.8  | 23.6  |

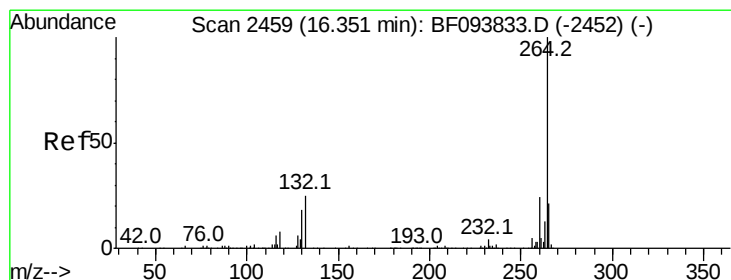
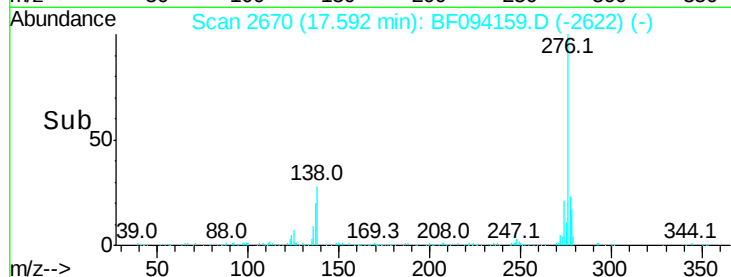
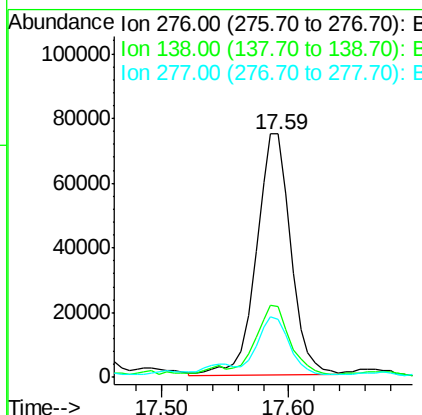
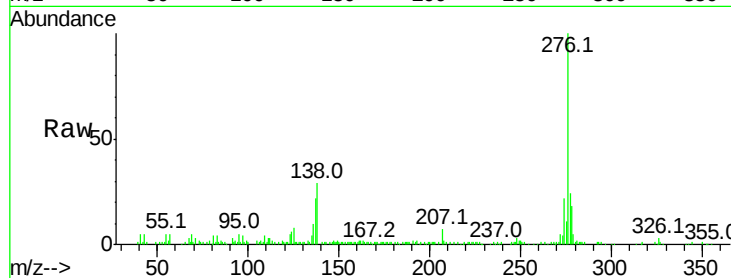




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 9.64 ng  
 RT: 17.59 min Scan# 2670  
 Delta R.T. -0.02 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

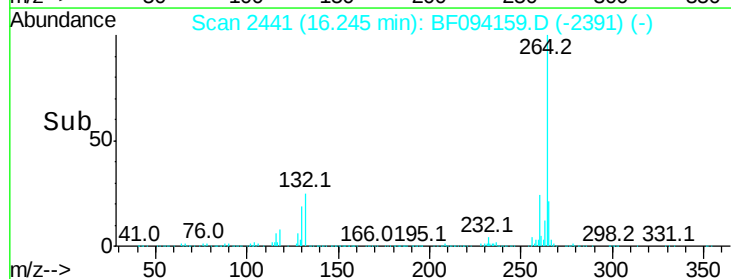
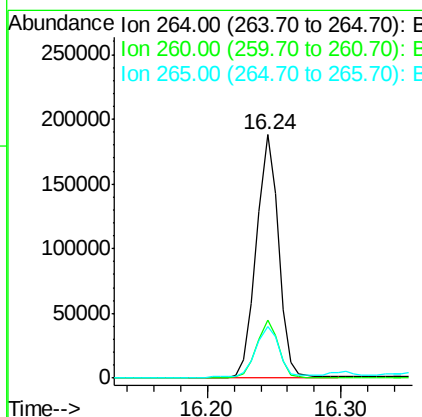
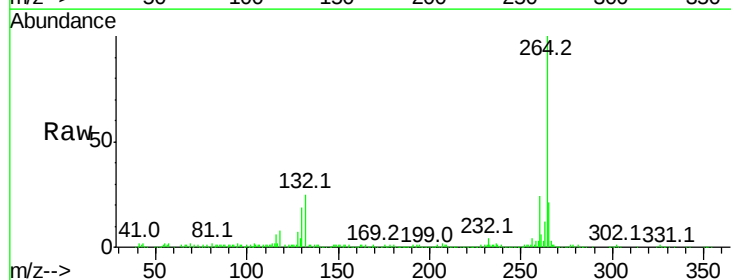
Instrument :  
 BNA\_F  
 ClientSampleId :

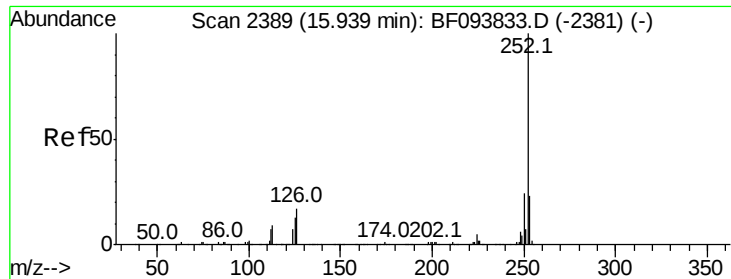
Tot Ion:276 Resp: 141455  
 Ion Ratio Lower Upper  
 276 100  
 138 29.6 27.8 41.6  
 277 23.1 20.2 30.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.24 min Scan# 2441  
 Delta R.T. -0.01 min  
 Lab File: BF094159.D  
 Acq: 4 Apr 2017 10:21

Tgt Ion:264 Resp: 216012  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.5 29.3  
 265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 39.39 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.01 min

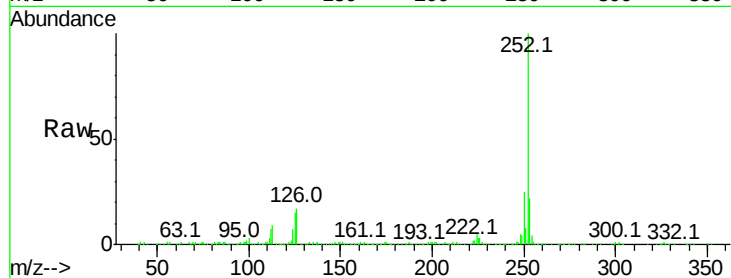
Lab File: BF094159.D

Acq: 4 Apr 2017 10:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 521560

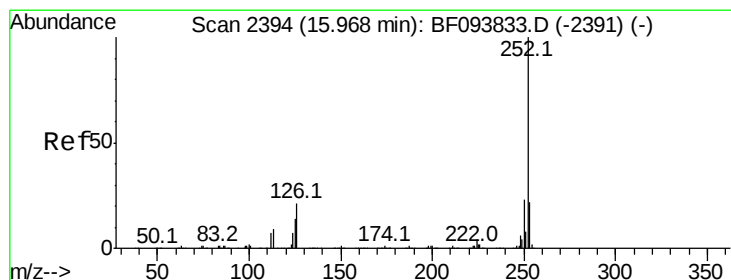
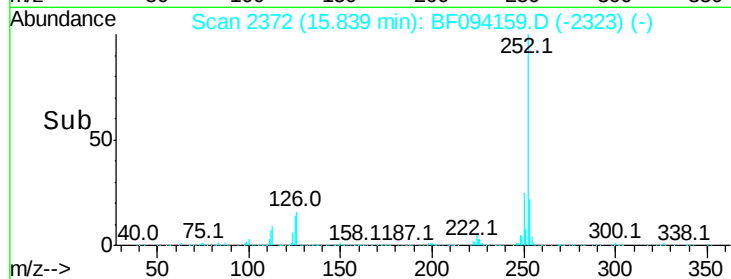
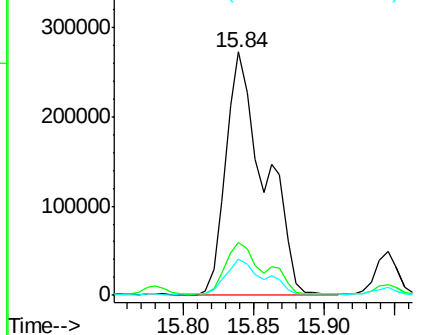
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 18.1  | 27.1  |
| 125 | 14.7  | 9.8   | 14.8  |



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: 40.26 ng

RT: 15.84 min Scan# 2372

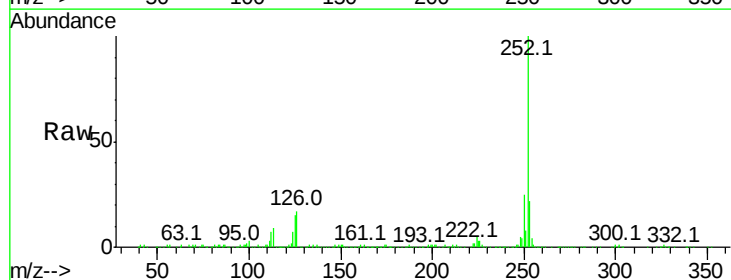
Delta R.T. -0.04 min

Lab File: BF094159.D

Acq: 4 Apr 2017 10:21

Tgt Ion:252 Resp: 521560

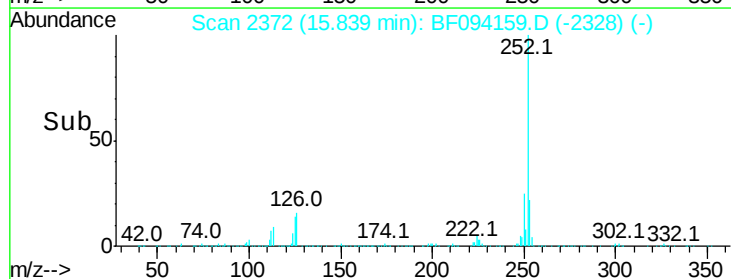
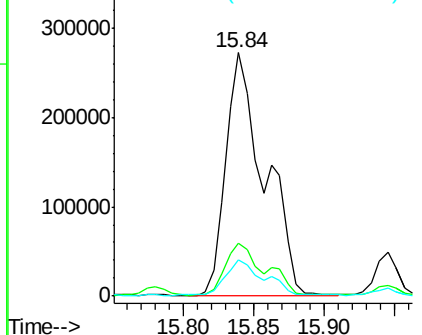
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 18.4  | 27.6  |
| 125 | 14.7  | 13.1  | 19.7  |

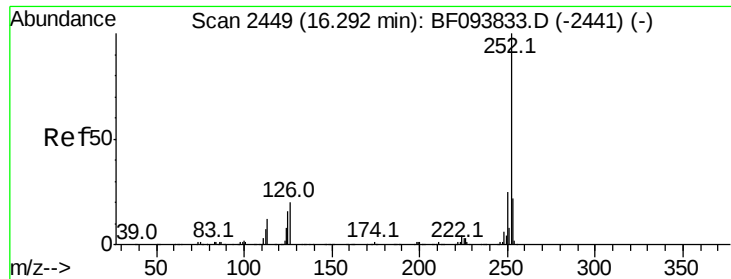


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

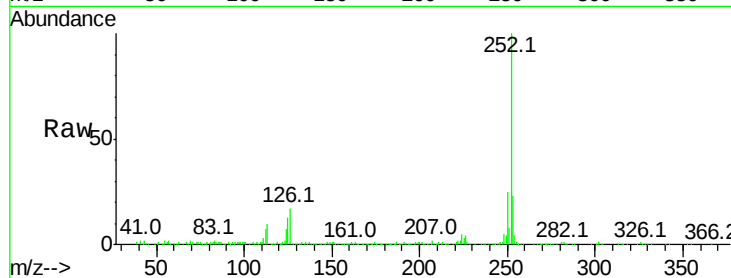




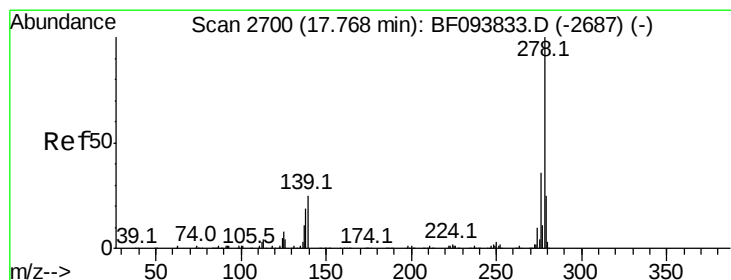
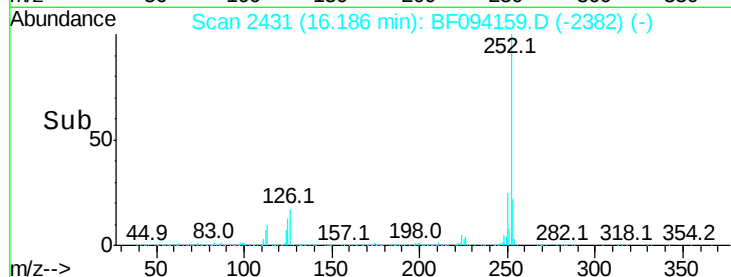
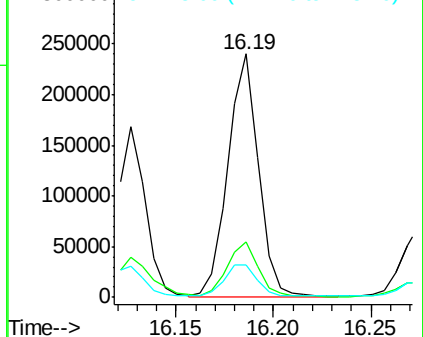
#89  
Benzo(a)pyrene  
Concen: 21.32 ng  
RT: 16.19 min Scan# 2431  
Delta R.T. -0.01 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:252 Resp: 260000  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.5 26.3  
125 13.4 11.0 16.4

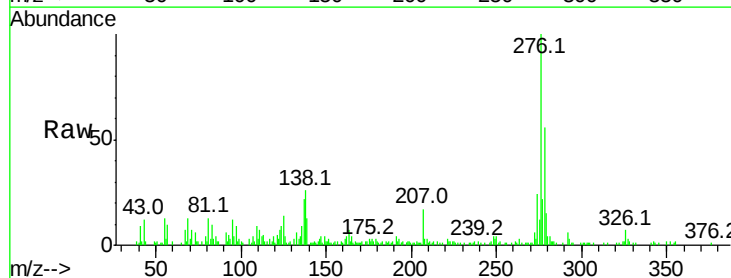


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

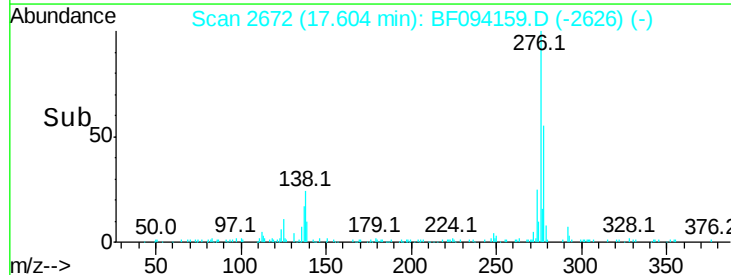
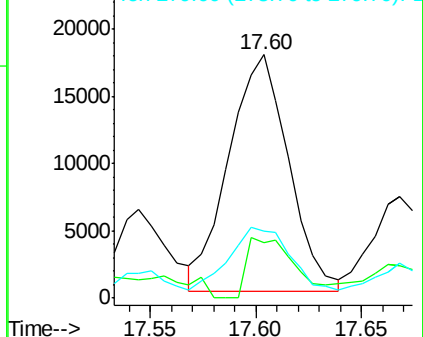


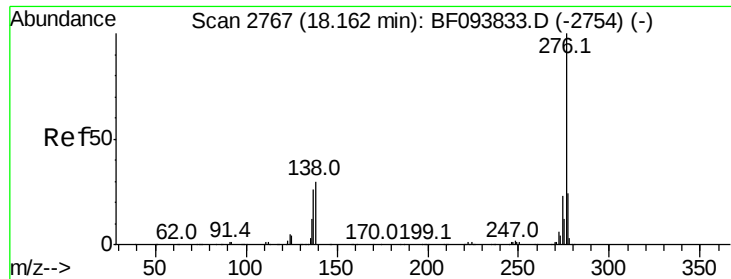
#90  
Dibenzo(a,h)anthracene  
Concen: 3.34 ng  
RT: 17.60 min Scan# 2672  
Delta R.T. -0.03 min  
Lab File: BF094159.D  
Acq: 4 Apr 2017 10:21

Tgt Ion:278 Resp: 34522  
Ion Ratio Lower Upper  
278 100  
139 22.6 16.6 24.8  
279 27.3 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: 12.67 ng

RT: 17.99 min Scan# 2737

Delta R.T. -0.02 min

Lab File: BF094159.D

Acq: 4 Apr 2017 10:21

Instrument :

BNA\_F

ClientSampleId :

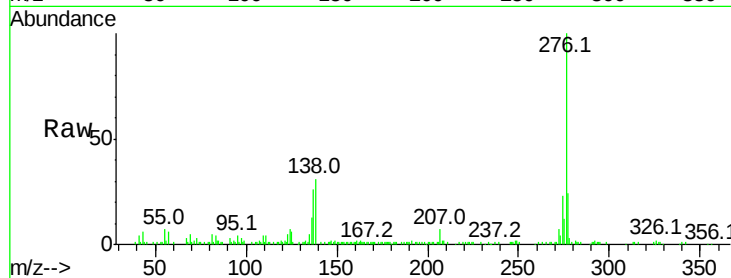
Tot Ion:276 Resp: 131861

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 31.3 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

