

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081815\  
 Data File : BF081071.D  
 Acq On : 19 Aug 2015 7:27  
 Operator : UM/IZ  
 Sample : G3292-01DL2 125X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 19 07:56:32 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 17 17:57:25 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.60  | 152  | 58795    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.90  | 136  | 229085   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.63  | 164  | 126274   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.11 | 188  | 258458   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.73 | 240  | 200272   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.07 | 264  | 153086   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 5) 2-Fluorophenol           | 5.16  | 112  | 24702    | 6.32 | ng    | -0.02    |
| 7) Phenol-d6                | 6.24  | 99   | 39143    | 7.67 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 23697    | 4.73 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.41 | 330  | 6318     | 5.77 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 8.97  | 172  | 34685    | 3.60 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.68 | 244  | 37280    | 3.99 | ng    | -0.02    |

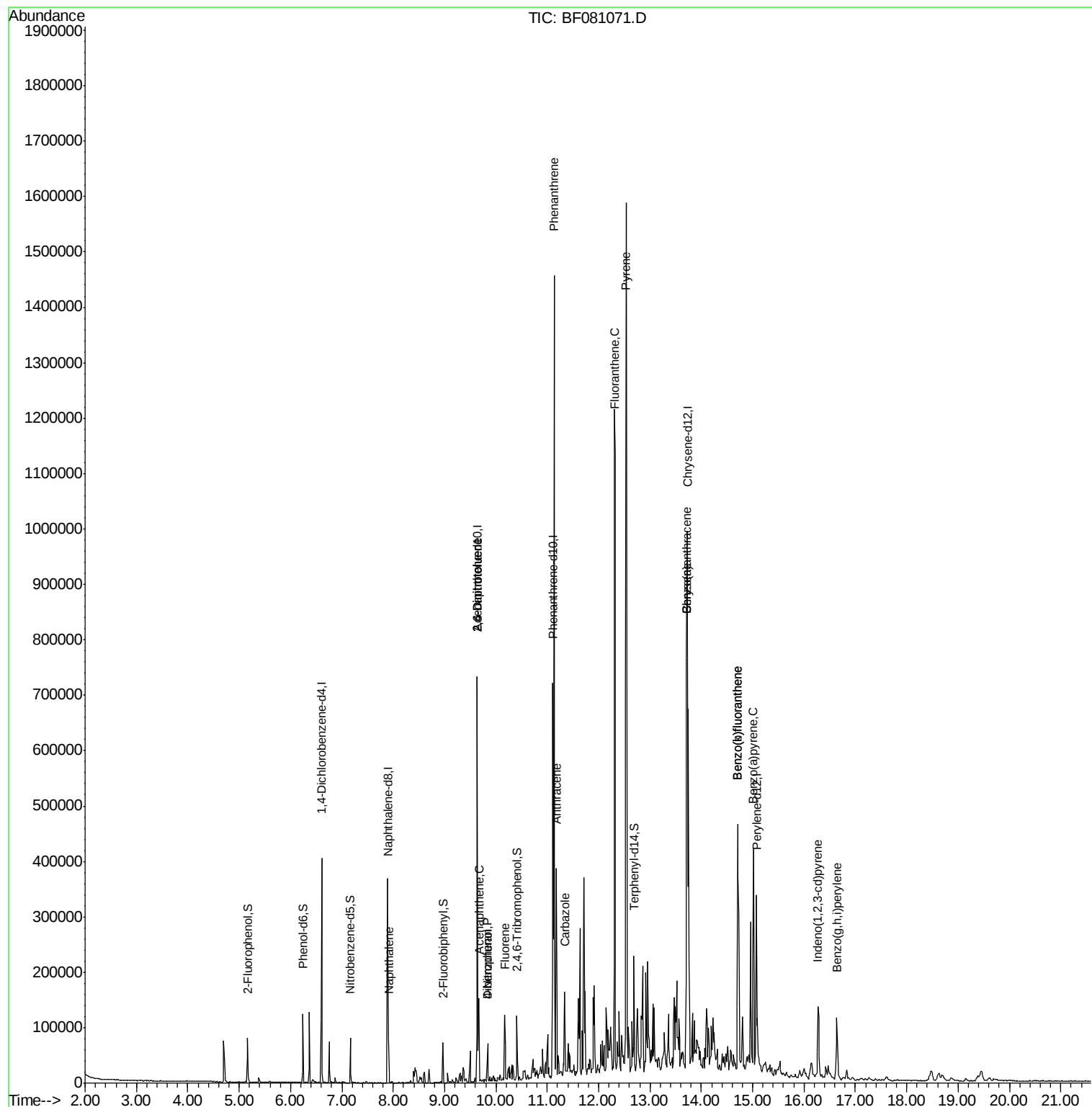
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 31) Naphthalene            | 7.91  | 128  | 31589    | 2.47  | ng    | 100    |
| 50) 2,6-Dinitrotoluene     | 9.63  | 165  | 16360    | 7.33  | ng    | # 23   |
| 51) Acenaphthene           | 9.67  | 154  | 35967    | 3.76  | ng    | 97     |
| 54) Dibenzofuran           | 9.84  | 168  | 26103    | 2.04  | ng    | # 96   |
| 55) 4-Nitrophenol          | 9.84  | 139  | 9583     | 4.88  | ng    | # 1    |
| 56) 2,4-Dinitrotoluene     | 9.63  | 165  | 16360    | 5.53  | ng    | # 18   |
| 57) Fluorene               | 10.17 | 166  | 38997    | 3.95  | ng    | 98     |
| 70) Phenanthrene           | 11.13 | 178  | 497744   | 32.50 | ng    | 99     |
| 71) Anthracene             | 11.18 | 178  | 142917   | 9.59  | ng    | 98     |
| 72) Carbazole              | 11.34 | 167  | 53212    | 3.71  | ng    | 98     |
| 74) Fluoranthene           | 12.32 | 202  | 758324   | 45.88 | ng    | 98     |
| 77) Pyrene                 | 12.54 | 202  | 660237   | 40.55 | ng    | 98     |
| 80) Benzo(a)anthracene     | 13.71 | 228  | 314827   | 23.44 | ng    | # 91   |
| 82) Chrysene               | 13.71 | 228  | 314827   | 26.01 | ng    | 94     |
| 85) Indeno(1,2,3-cd)pyrene | 16.27 | 276  | 82086    | 9.66  | ng    | 94     |
| 87) Benzo(b)fluoranthene   | 14.71 | 252  | 306096   | 28.27 | ng    | # 95   |
| 88) Benzo(k)fluoranthene   | 14.71 | 252  | 306096   | 30.34 | ng    | 98     |
| 89) Benzo(a)pyrene         | 15.02 | 252  | 152374   | 16.15 | ng    | 95     |
| 91) Benzo(a,h,i)perylene   | 16.64 | 276  | 78111    | 10.47 | ng    | # 89   |

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

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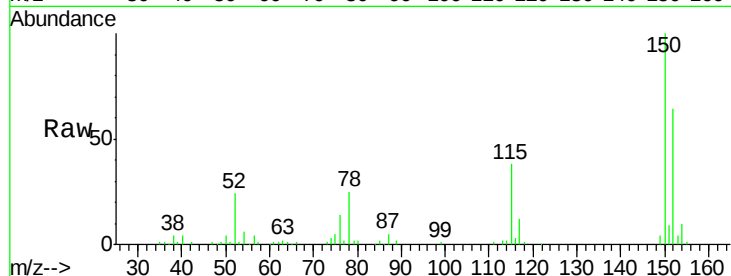




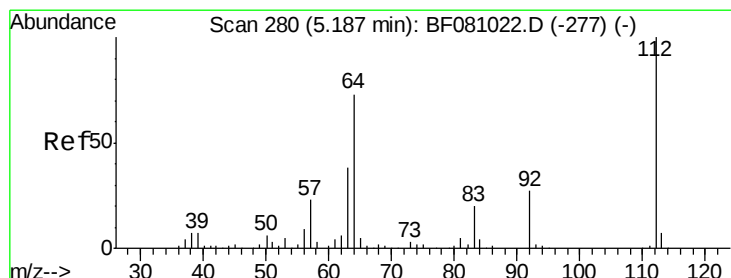
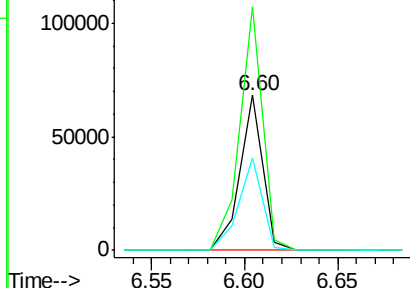
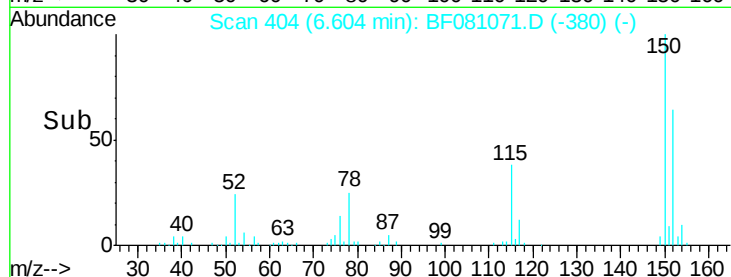
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.60 min Scan# 404  
 Delta R.T. -0.02 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 58795  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 123.8 185.6  
 115 59.5 52.1 78.1

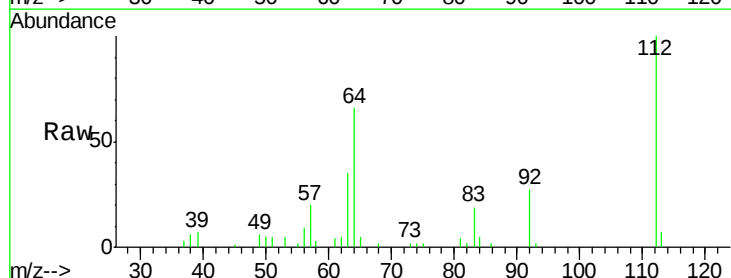


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

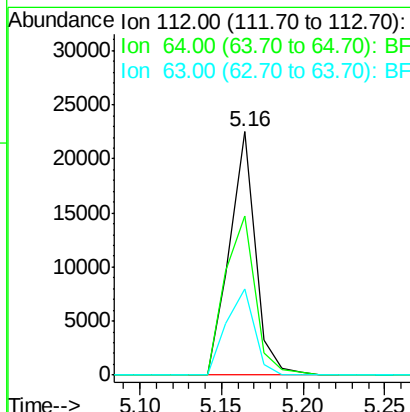
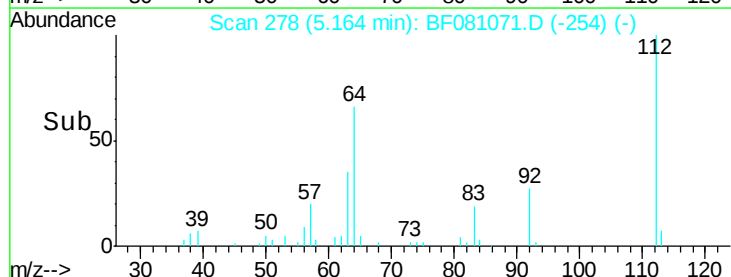


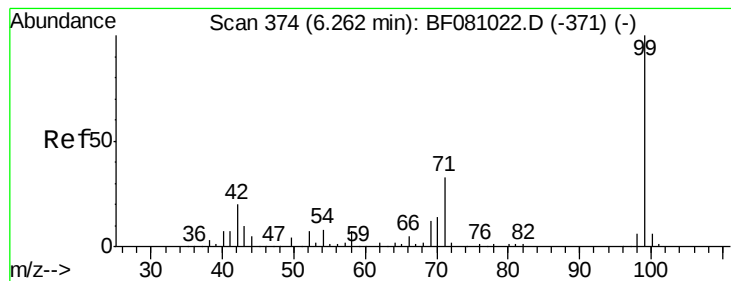
#5  
 2-Fluorophenol  
 Concen: 6.32 ng  
 RT: 5.16 min Scan# 278  
 Delta R.T. -0.02 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

Tgt Ion:112 Resp: 24702  
 Ion Ratio Lower Upper  
 112 100  
 64 65.5 66.9 100.3#  
 63 35.2 38.1 57.1#



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: 7.67 ng

RT: 6.24 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

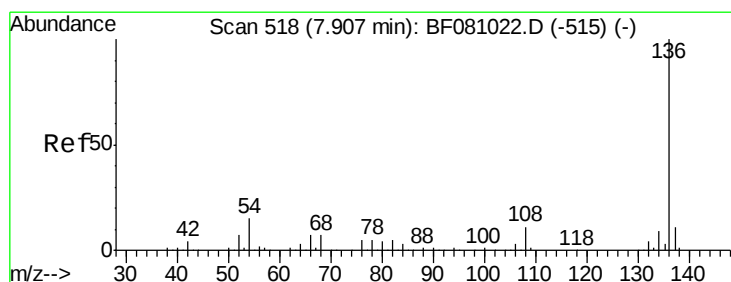
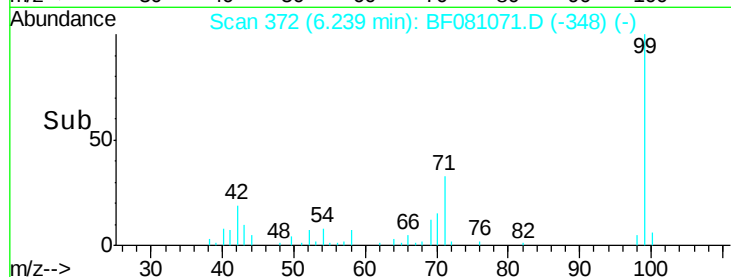
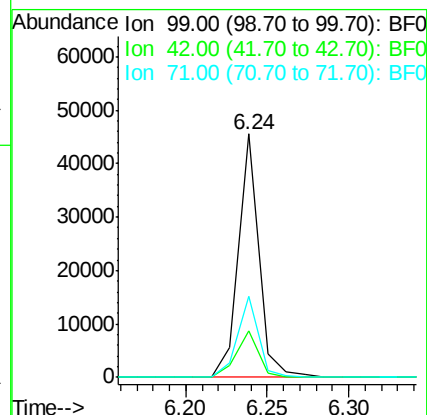
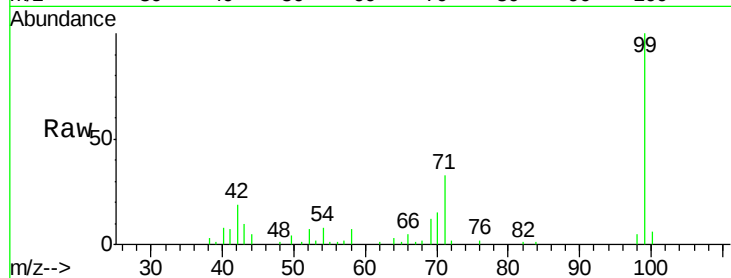
Tot Ion: 99 Resp: 39143

Ion Ratio Lower Upper

99 100

42 19.0 19.6 29.4#

71 33.1 31.2 46.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Tgt Ion: 136 Resp: 229085

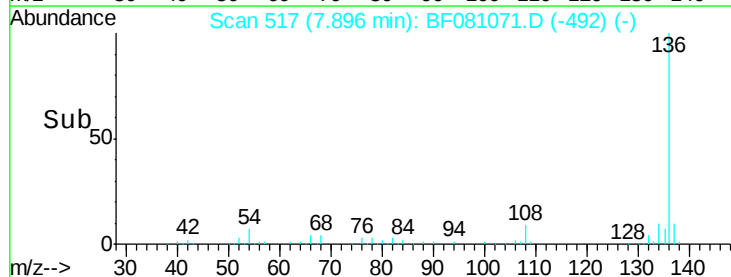
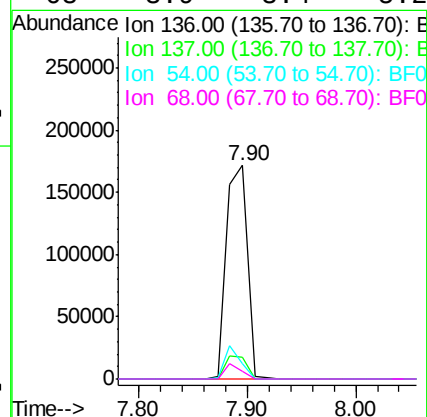
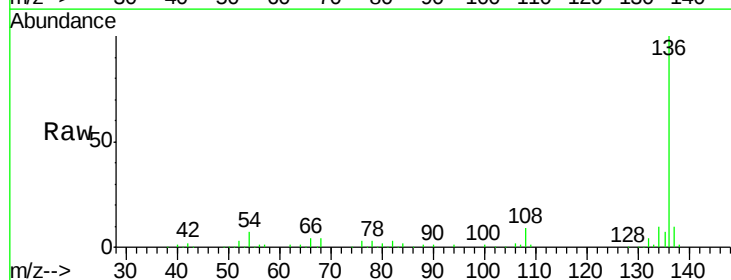
Ion Ratio Lower Upper

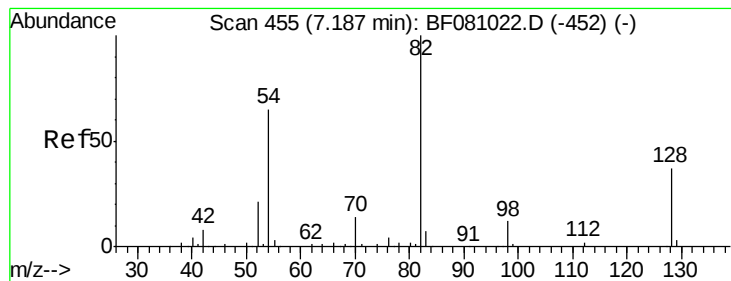
136 100

137 10.3 8.2 12.2

54 7.0 7.7 11.5#

68 3.9 3.4 5.2





#23

Nitrobenzene-d5

Concen: 4.73 ng

RT: 7.16 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

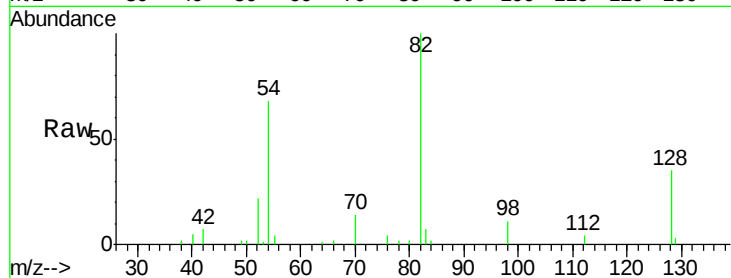
Tot Ion: 82 Resp: 23697

Ion Ratio Lower Upper

82 100

128 34.8 28.6 42.8

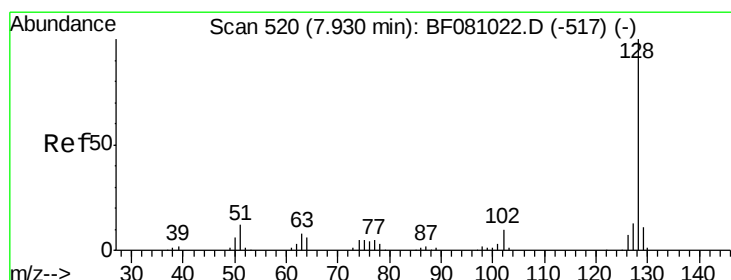
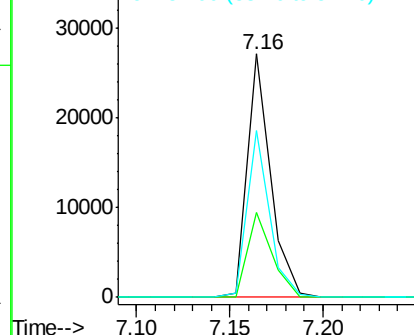
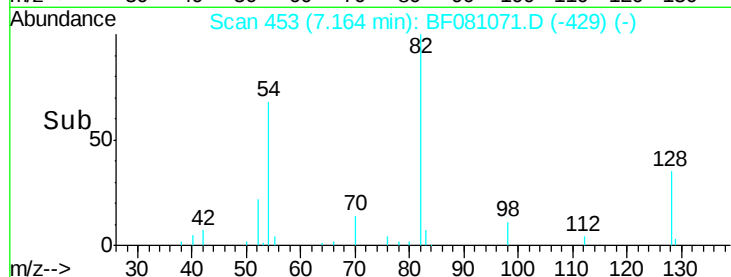
54 68.5 55.1 82.7



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



#31

Naphthalene

Concen: 2.47 ng

RT: 7.91 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

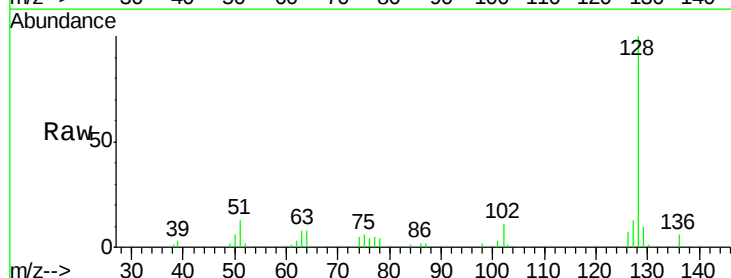
Tgt Ion: 128 Resp: 31589

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

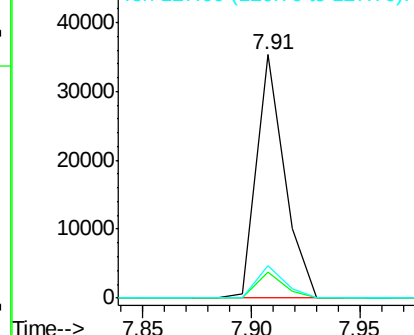
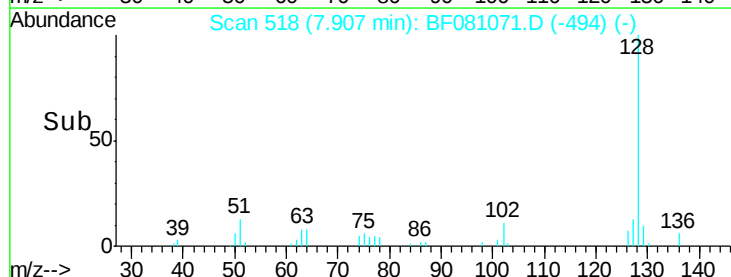
127 13.3 10.6 16.0

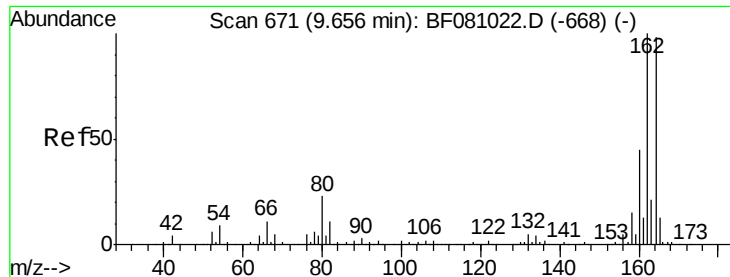


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

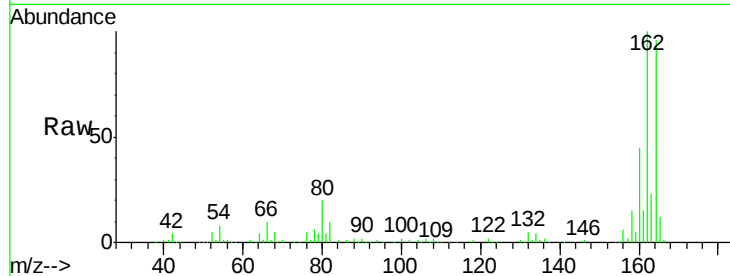




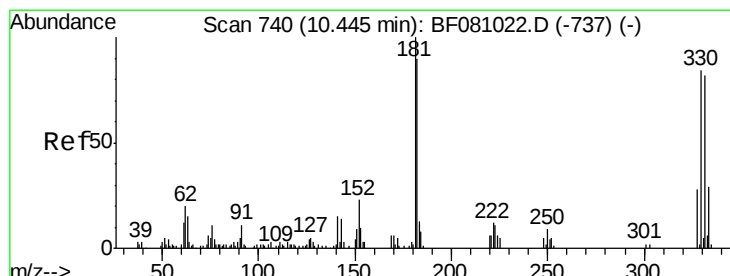
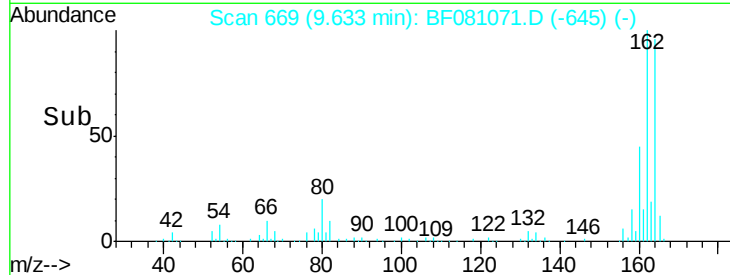
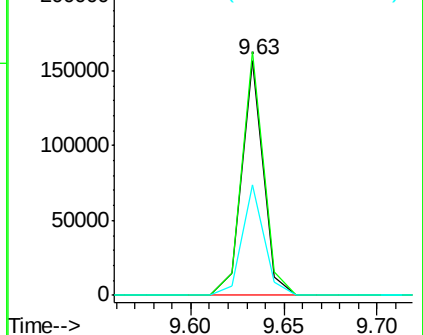
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.63 min Scan# 669  
 Delta R.T. -0.02 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 126274  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 83.8 125.8  
 160 47.1 39.8 59.8

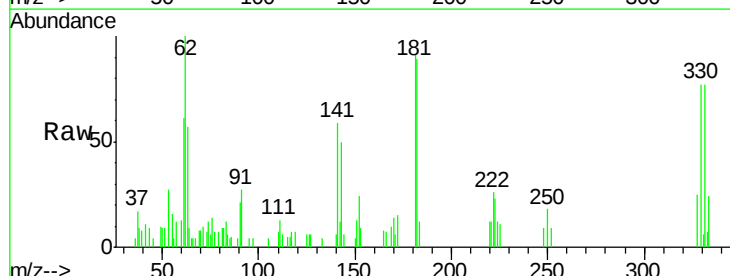


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

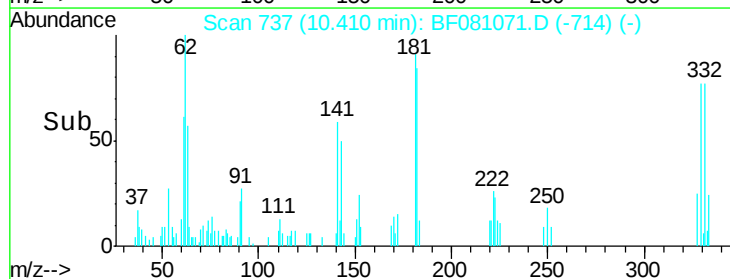
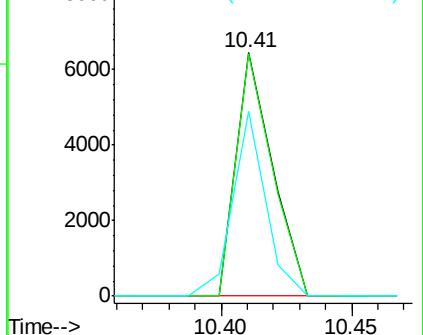


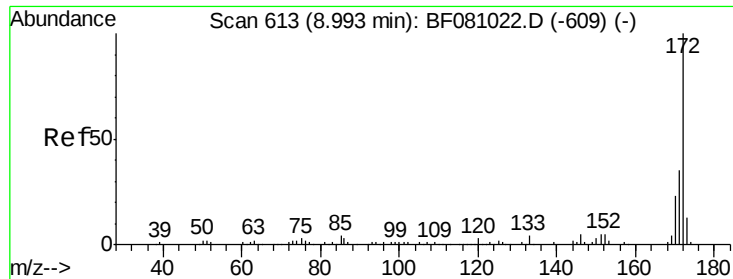
#41  
 2,4,6-Tribromophenol  
 Concen: 5.77 ng  
 RT: 10.41 min Scan# 737  
 Delta R.T. -0.03 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

Tgt Ion:330 Resp: 6318  
 Ion Ratio Lower Upper  
 330 100  
 332 99.1 77.3 115.9  
 141 68.4 44.9 67.3#



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: 3.60 ng

RT: 8.97 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF081071.D

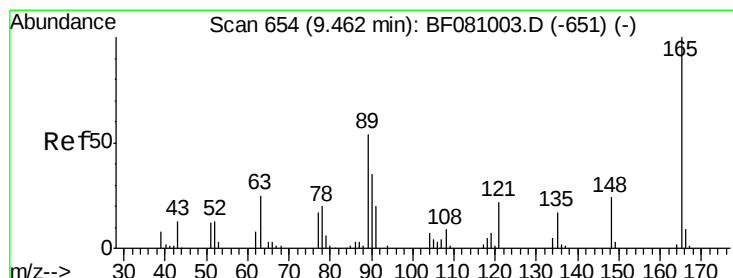
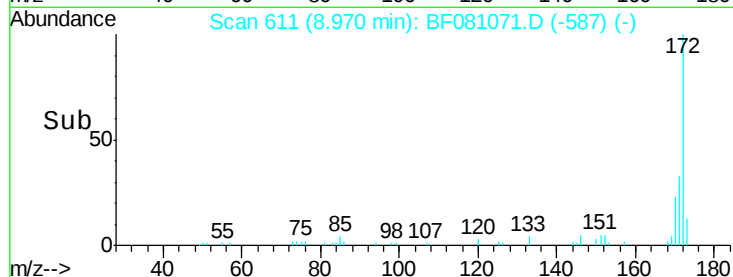
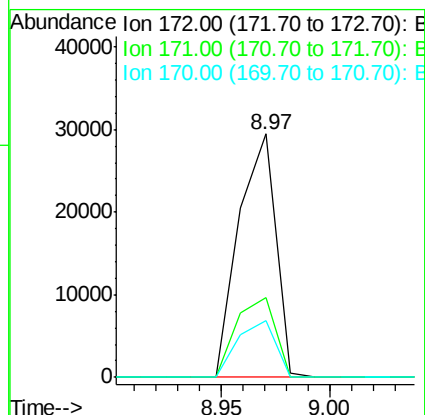
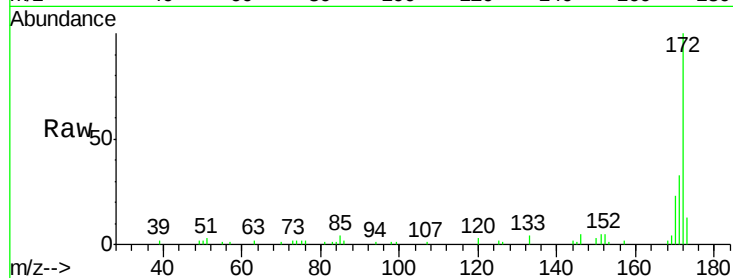
Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 172   | Resp: | 34685 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 33.0  | 28.9  | 43.3  |
| 170       | 23.3  | 19.4  | 29.2  |



#50

2,6-Dinitrotoluene

Concen: 7.33 ng

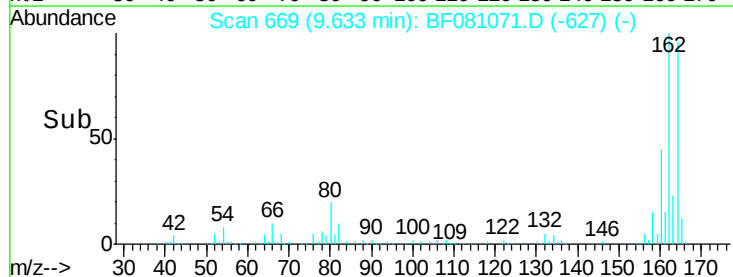
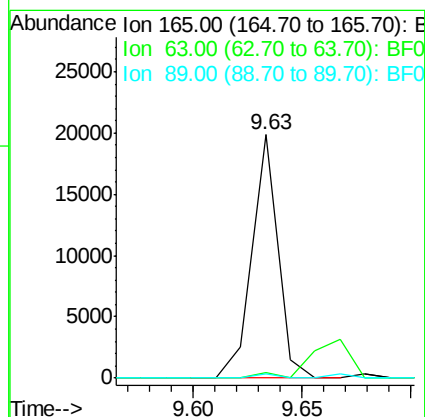
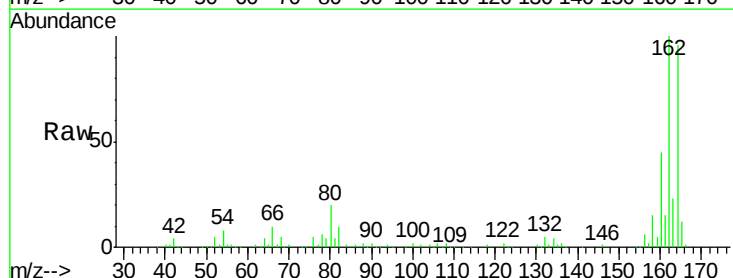
RT: 9.63 min Scan# 669

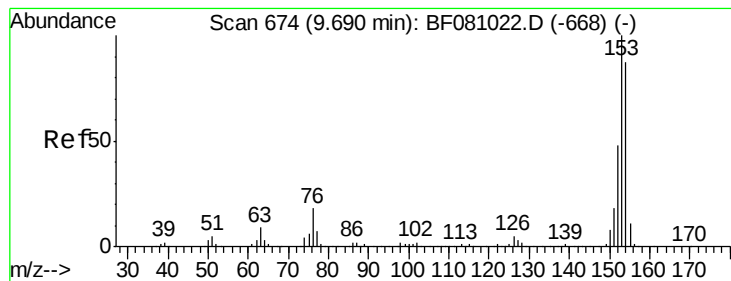
Delta R.T. 0.18 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 16360 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 2.2   | 49.5  | 74.3# |
| 89        | 1.7   | 47.6  | 71.4# |





#51

Acenaphthene

Concen: 3.76 ng

RT: 9.67 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

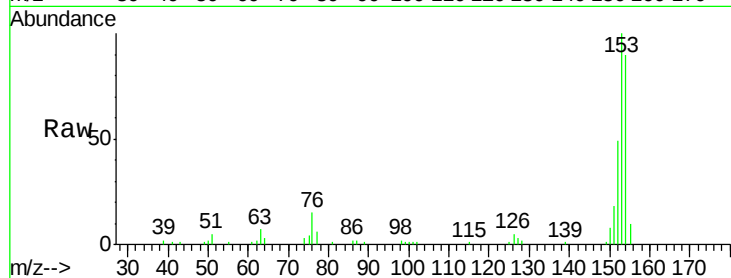
Tot Ion:154 Resp: 35967

Ion Ratio Lower Upper

154 100

153 110.6 91.4 137.2

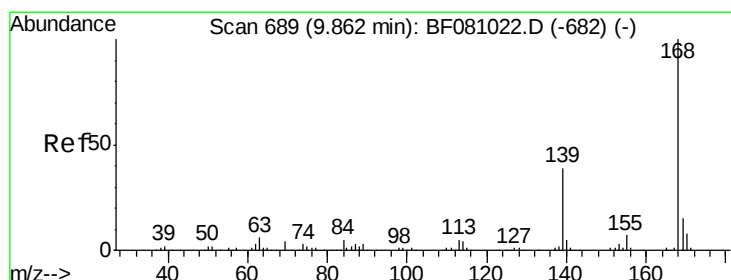
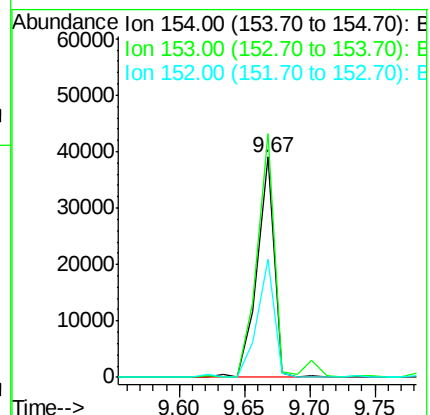
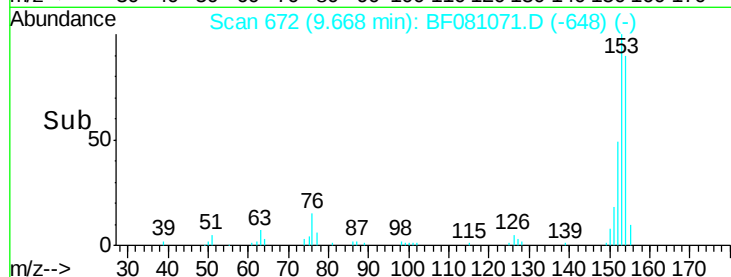
152 53.9 43.7 65.5



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: 2.04 ng

RT: 9.84 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

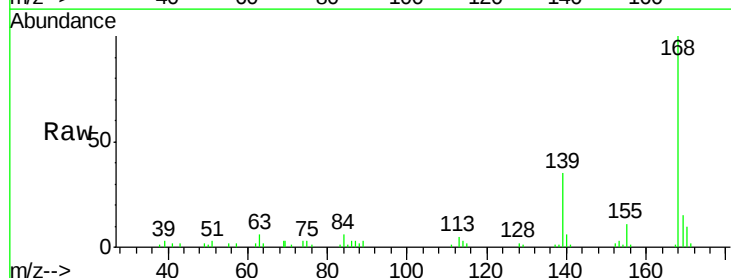
Tgt Ion:168 Resp: 26103

Ion Ratio Lower Upper

168 100

139 35.1 29.3 43.9

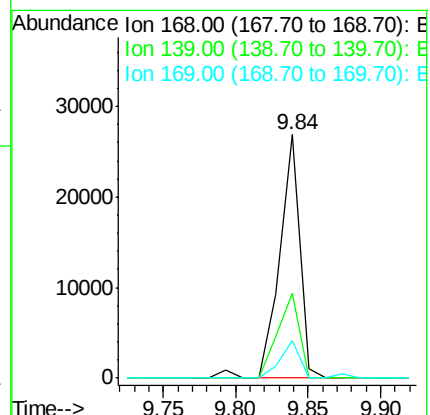
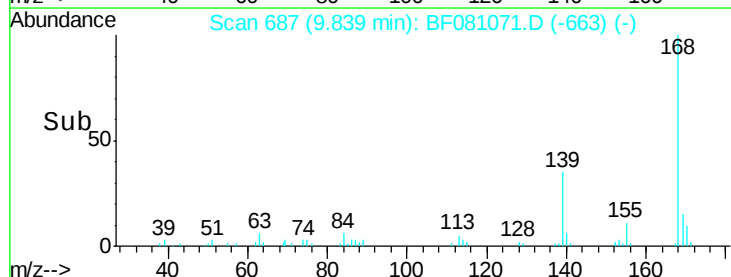
169 15.5 10.3 15.5#

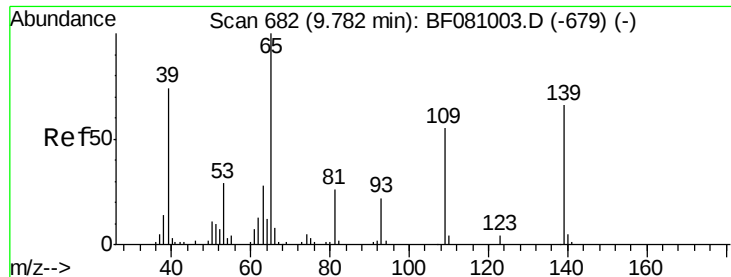


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

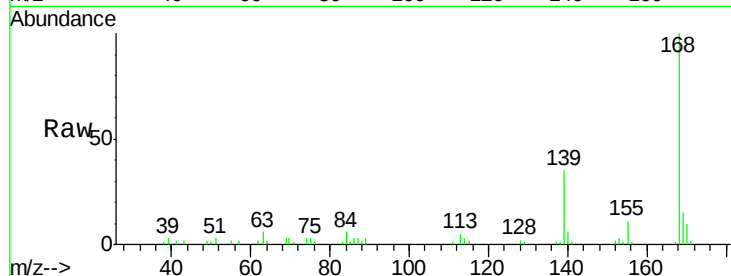




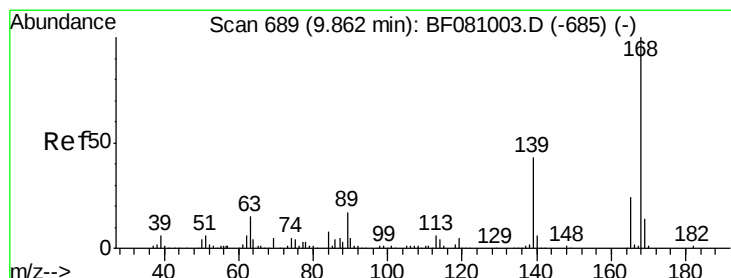
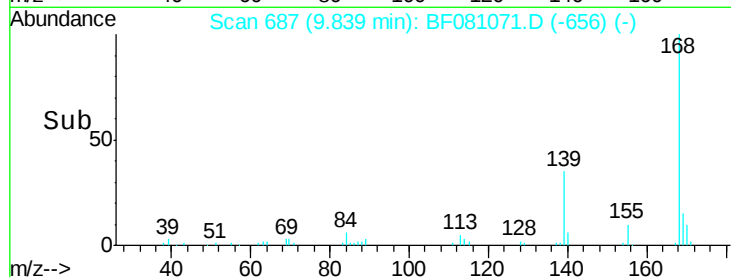
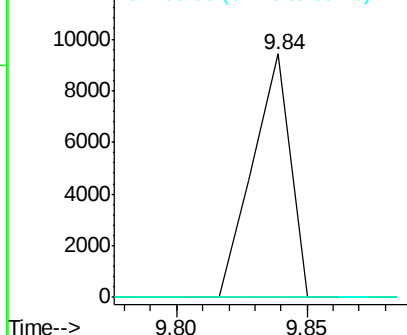
#55  
4-Nitrophenol  
Concen: 4.88 ng  
RT: 9.84 min Scan# 687  
Delta R.T. 0.06 min  
Lab File: BF081071.D  
Acq: 19 Aug 2015 7:27

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 0.0   | 80.0  | 120.0# |
| 65      | 0.0   | 138.3 | 178.3# |



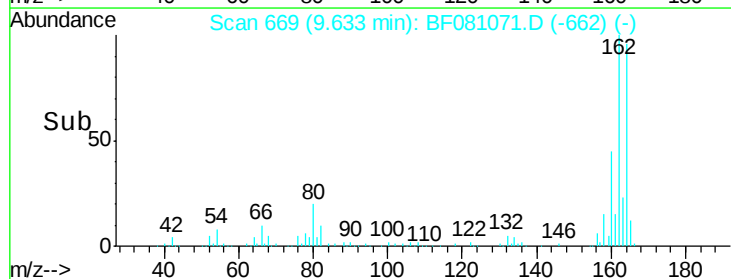
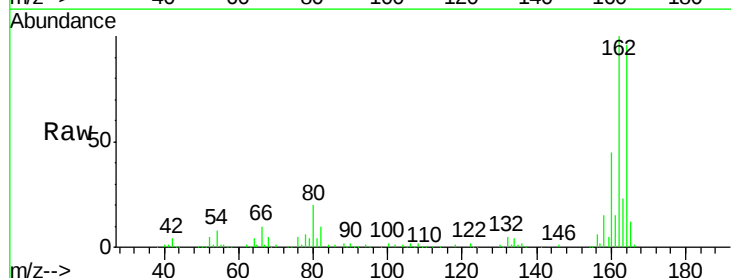
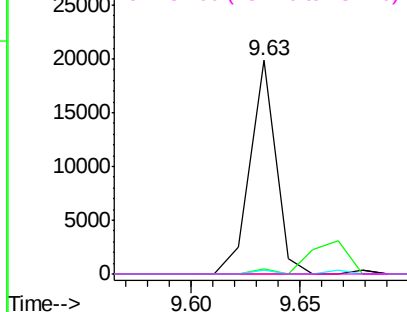
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

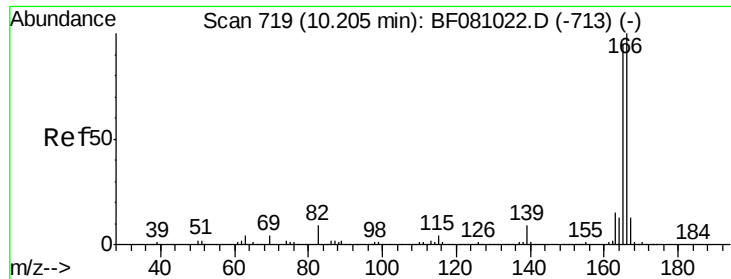


#56  
2,4-Dinitrotoluene  
Concen: 5.53 ng  
RT: 9.63 min Scan# 669  
Delta R.T. -0.22 min  
Lab File: BF081071.D  
Acq: 19 Aug 2015 7:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.2   | 52.2  | 78.4# |
| 89      | 1.7   | 60.1  | 90.1# |
| 182     | 0.0   | 1.8   | 2.6#  |

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  
Ion 182.00 (181.70 to 182.70): E

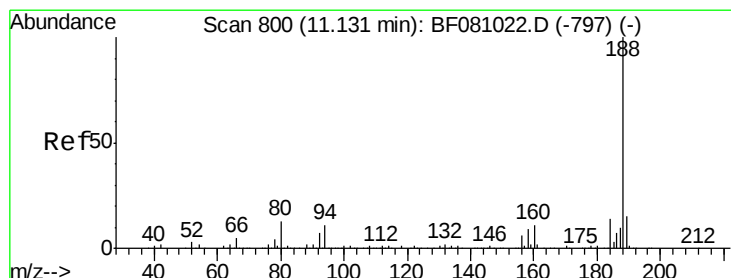
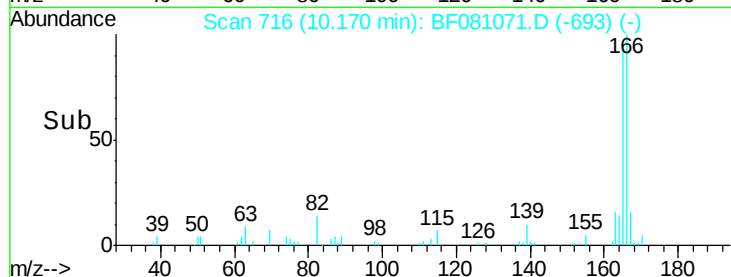
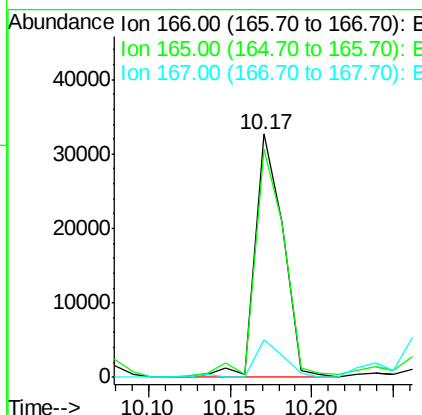
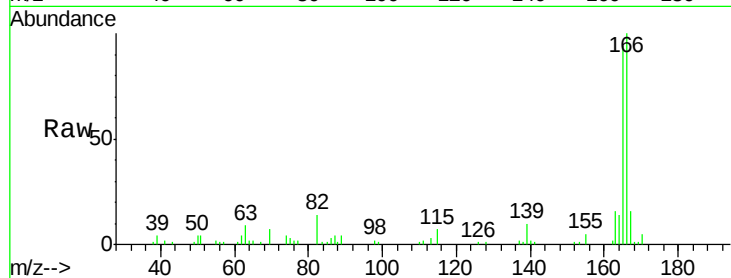




#57  
 Fluorene  
 Concen: 3.95 ng  
 RT: 10.17 min Scan# 716  
 Delta R.T. -0.03 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

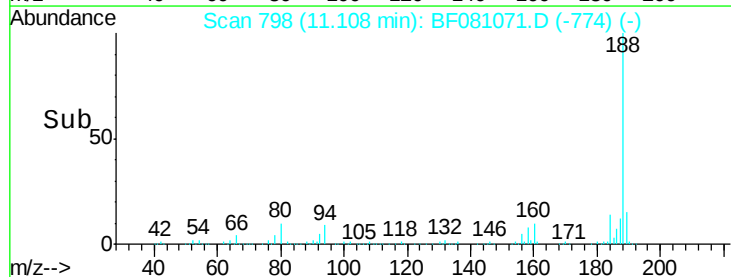
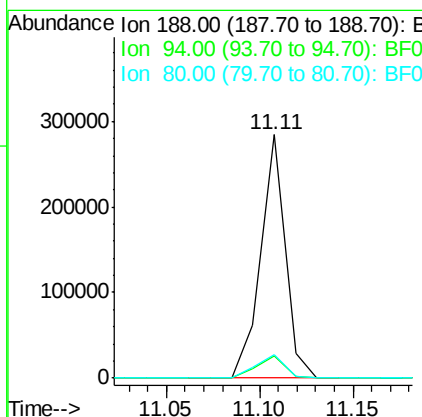
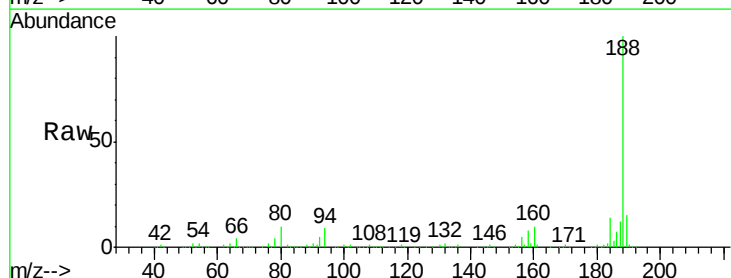
Instrument :  
 BNA\_F  
 ClientSampleId :

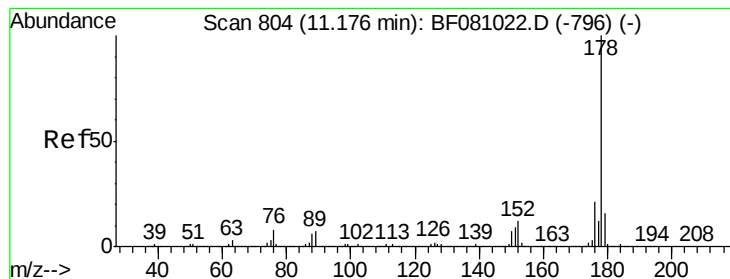
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 93.6  | 75.8  | 113.8 |
| 167     | 15.6  | 11.3  | 16.9  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.11 min Scan# 798  
 Delta R.T. -0.02 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.3   | 8.2   | 12.2  |
| 80      | 9.9   | 9.5   | 14.3  |





#70

Phenanthrene

Concen: 32.50 ng

RT: 11.13 min Scan# 800

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

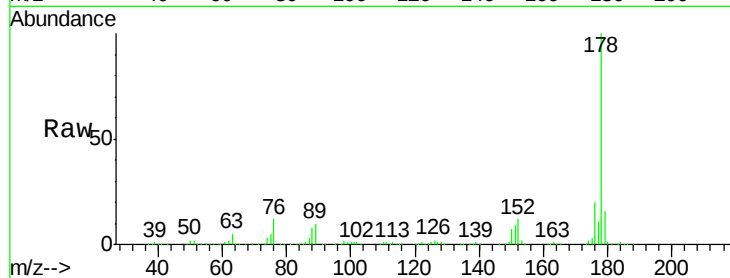
Tot Ion:178 Resp: 497744

Ion Ratio Lower Upper

178 100

176 20.1 15.7 23.5

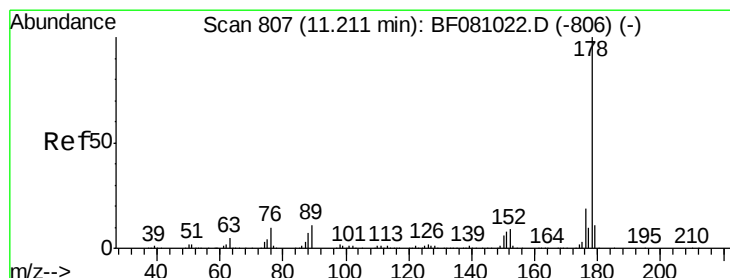
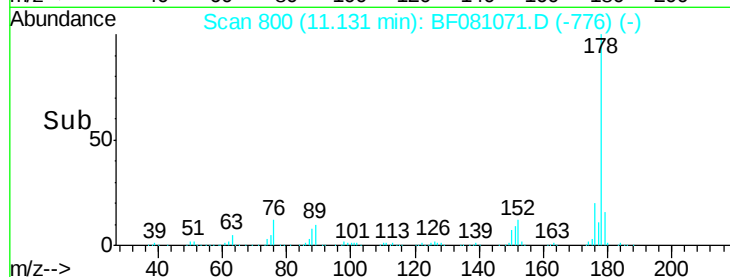
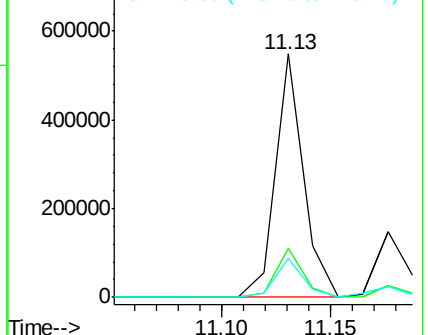
179 15.9 12.2 18.2



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: 9.59 ng

RT: 11.18 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

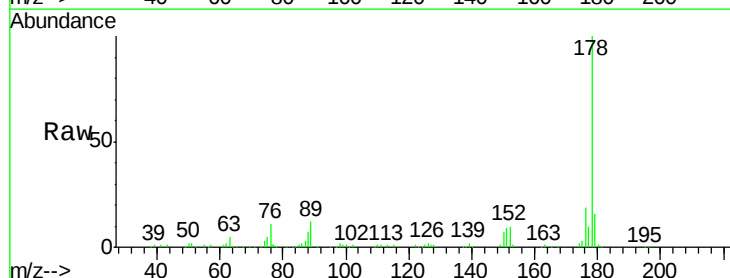
Tgt Ion:178 Resp: 142917

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

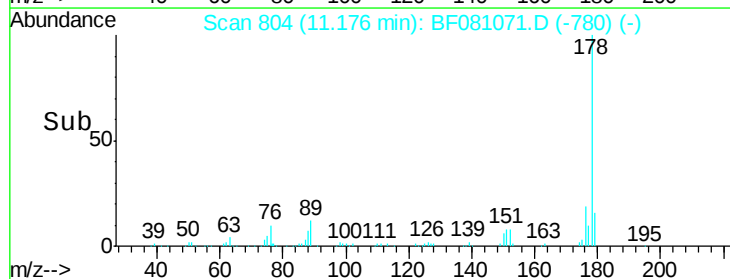
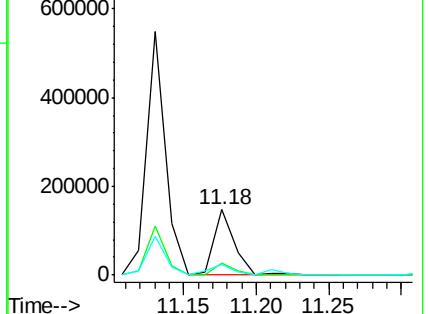
179 15.7 12.7 19.1

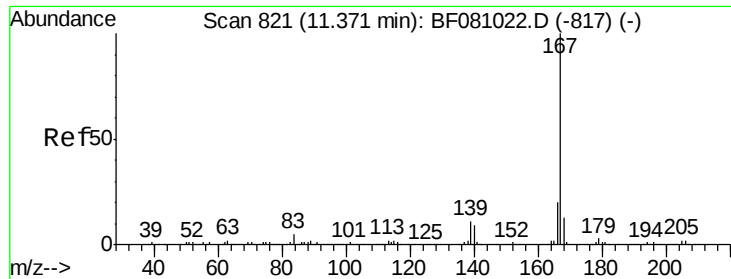


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

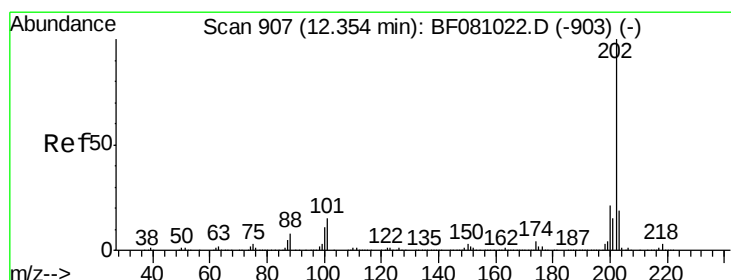
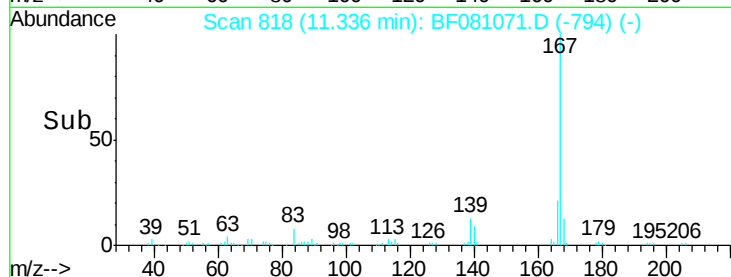
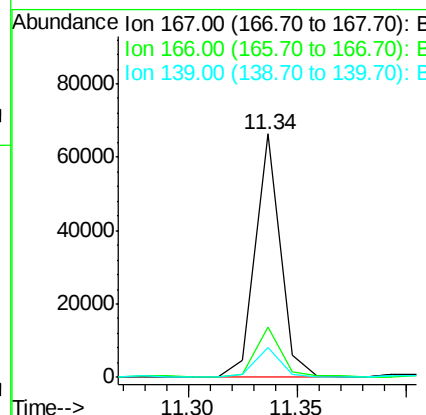
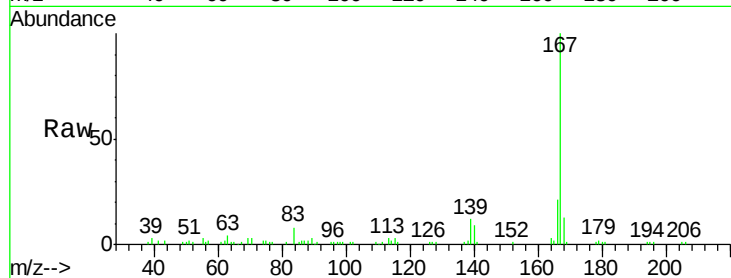




#72  
 Carbazole  
 Concen: 3.71 ng  
 RT: 11.34 min Scan# 818  
 Delta R.T. -0.02 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

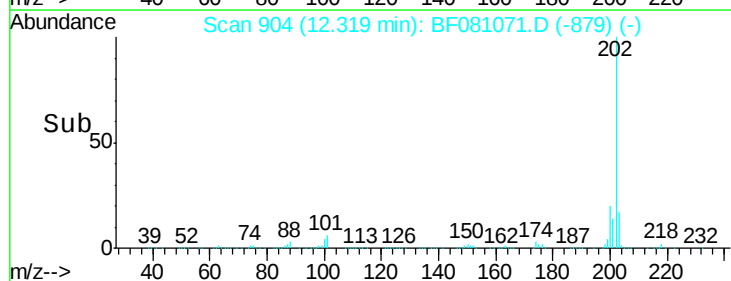
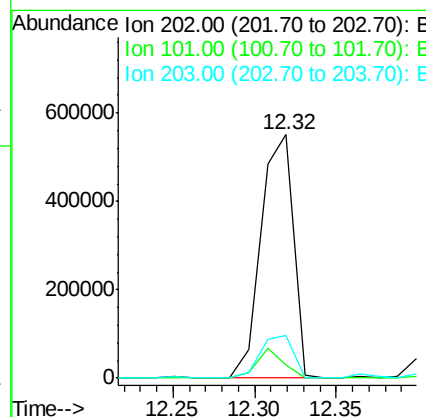
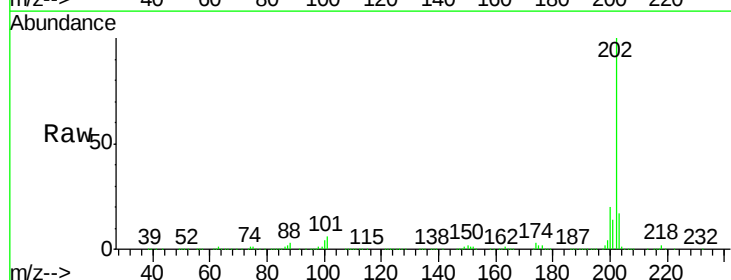
Instrument :  
 BNA\_F  
 ClientSampleId :

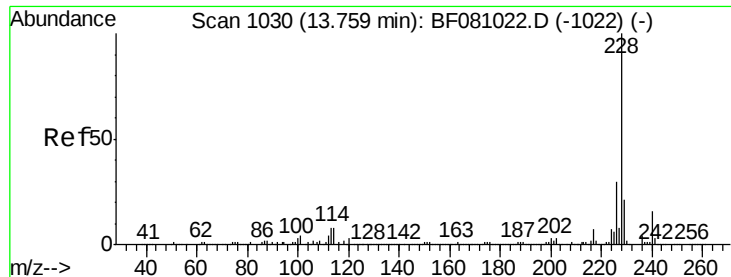
Tot Ion:167 Resp: 53212  
 Ion Ratio Lower Upper  
 167 100  
 166 20.5 17.4 26.0  
 139 12.5 10.6 16.0



#74  
 Fluoranthene  
 Concen: 45.88 ng  
 RT: 12.32 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

Tgt Ion:202 Resp: 758324  
 Ion Ratio Lower Upper  
 202 100  
 101 5.6 0.0 24.8  
 203 17.5 0.0 36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampled :

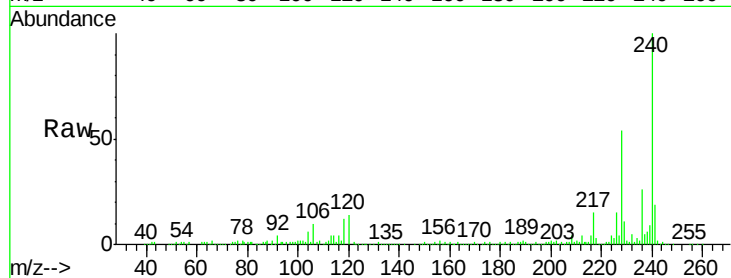
Tot Ion:240 Resp: 200272

Ion Ratio Lower Upper

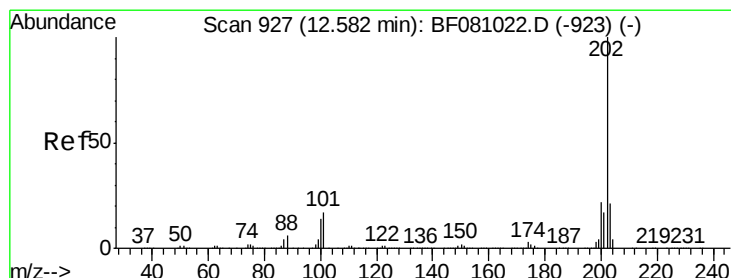
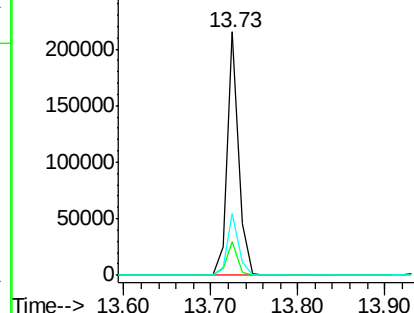
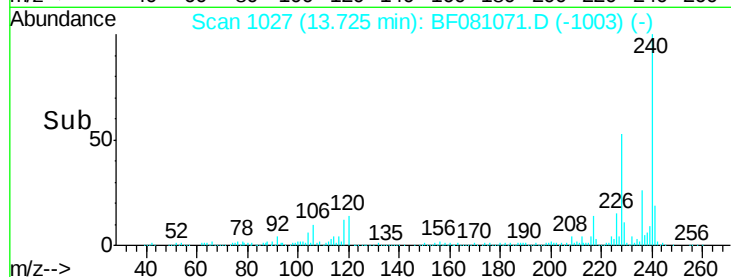
240 100

120 13.6 5.6 8.4#

236 25.5 20.6 30.8



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

Pyrene

Concen: 40.55 ng

RT: 12.54 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

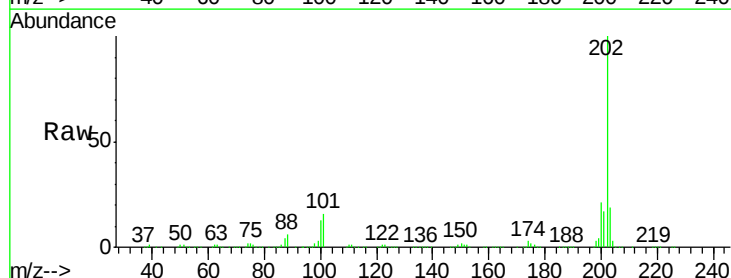
Tgt Ion:202 Resp: 660237

Ion Ratio Lower Upper

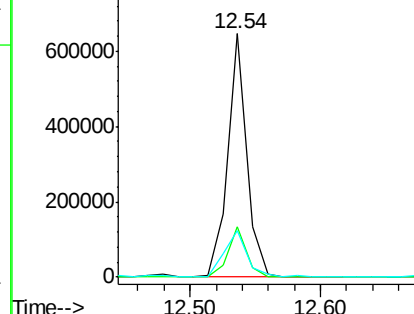
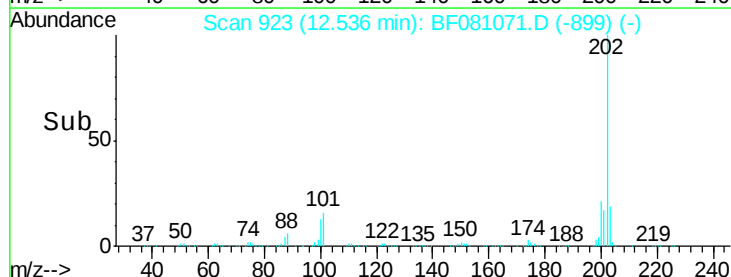
202 100

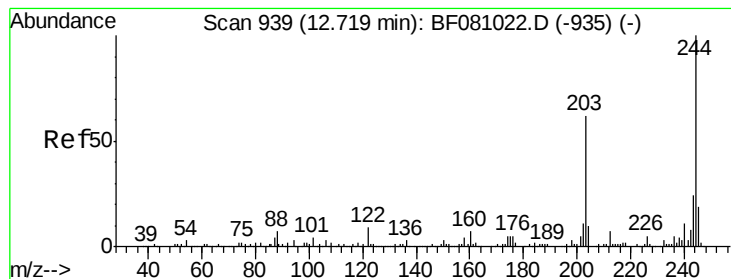
200 20.9 16.6 24.8

203 19.0 14.1 21.1



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: 3.99 ng

RT: 12.68 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

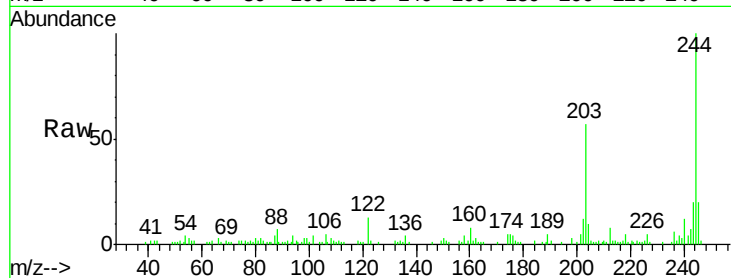
Tot Ion:244 Resp: 37280

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

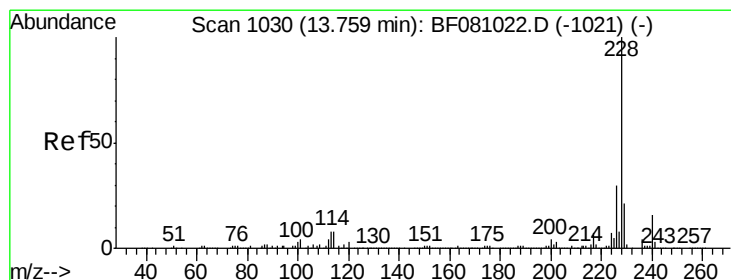
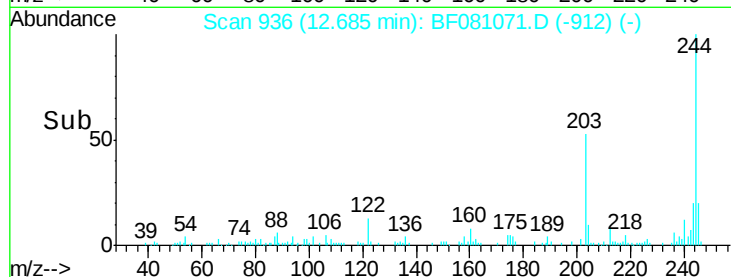
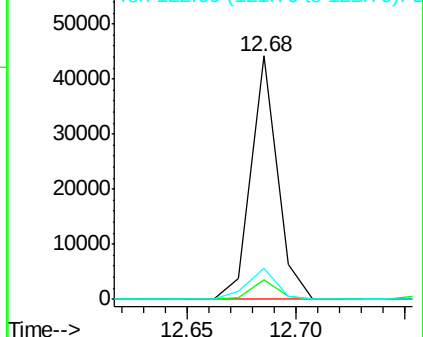
122 12.9 8.2 12.4#



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: 23.44 ng

RT: 13.71 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

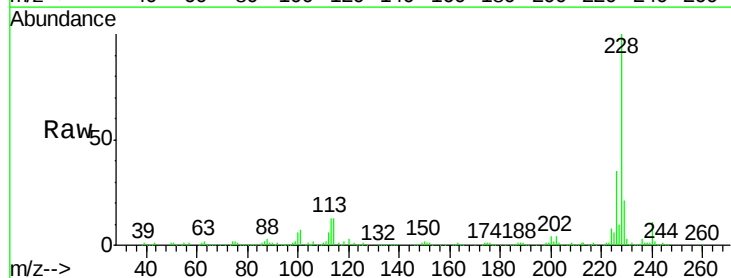
Tgt Ion:228 Resp: 314827

Ion Ratio Lower Upper

228 100

226 35.0 22.3 33.5#

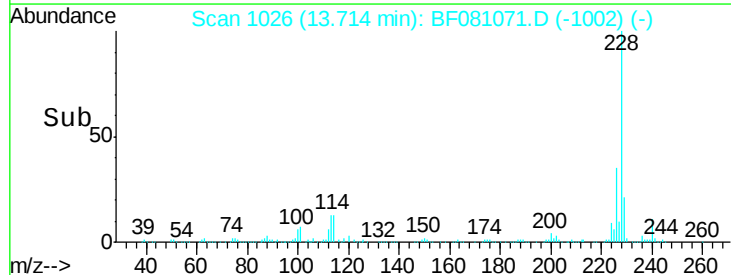
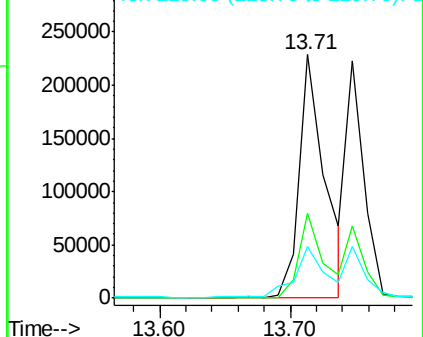
229 21.1 15.9 23.9

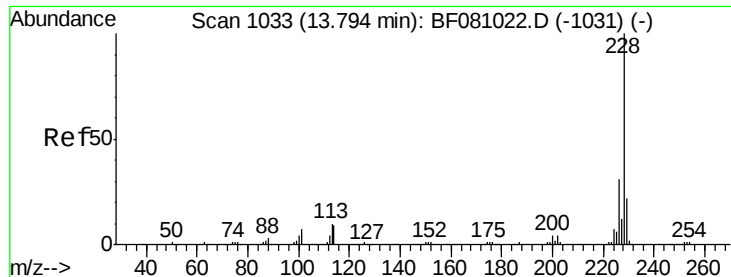


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 26.01 ng

RT: 13.71 min Scan# 1026

Delta R.T. -0.06 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

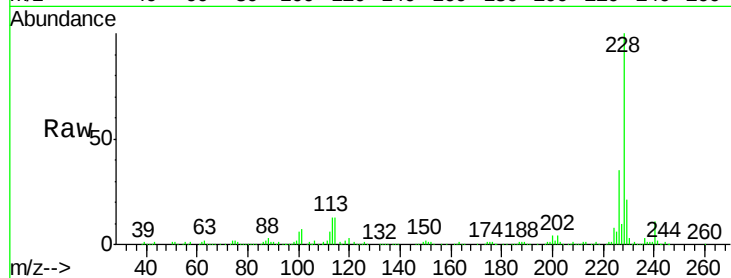
Tot Ion:228 Resp: 314827

Ion Ratio Lower Upper

228 100

226 35.0 24.4 36.6

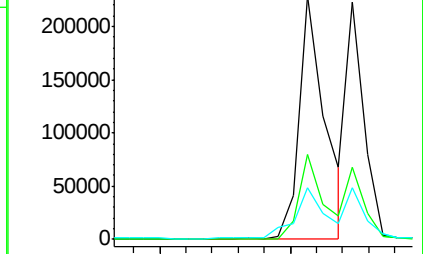
229 21.1 16.0 24.0



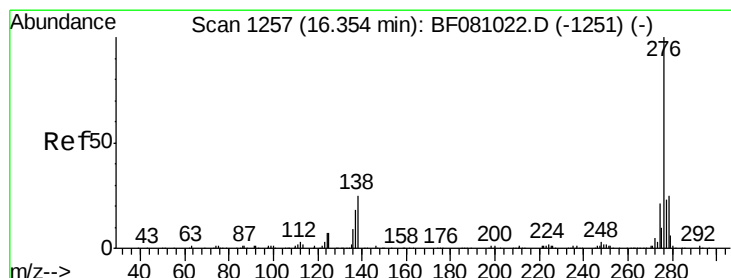
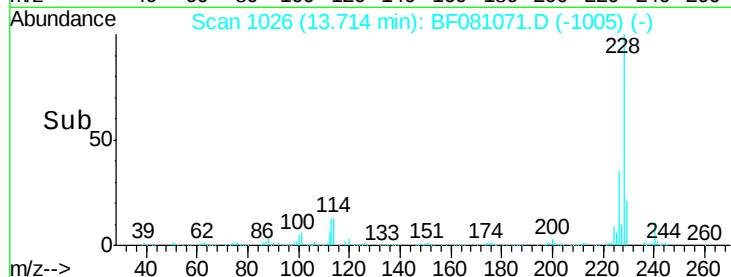
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.66 ng

RT: 16.27 min Scan# 1250

Delta R.T. -0.05 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

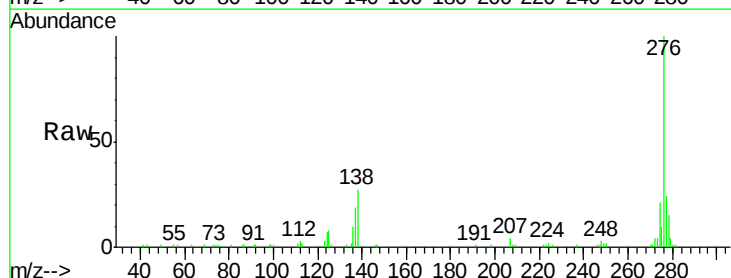
Tgt Ion:276 Resp: 82086

Ion Ratio Lower Upper

276 100

138 27.4 18.6 28.0

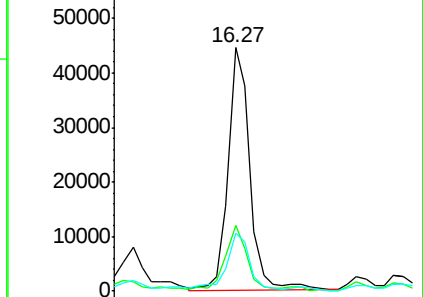
277 26.4 19.8 29.8



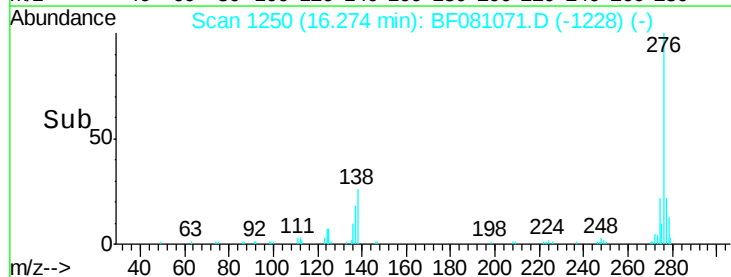
Abundance Ion 276.00 (275.70 to 276.70): E

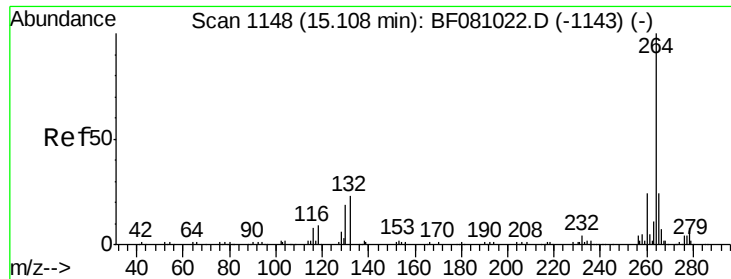
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

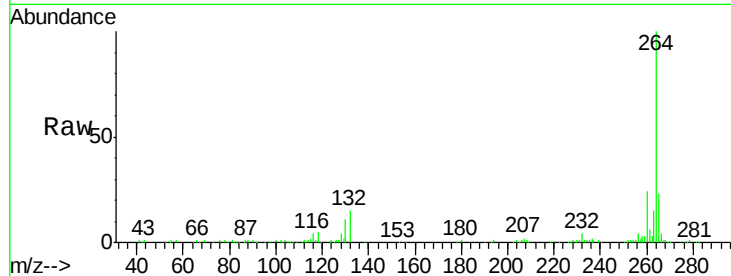
Tot Ion:264 Resp: 153086

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

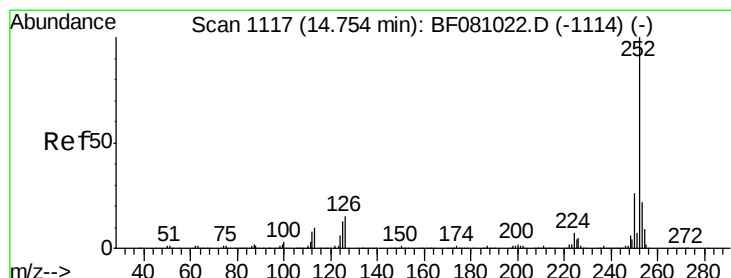
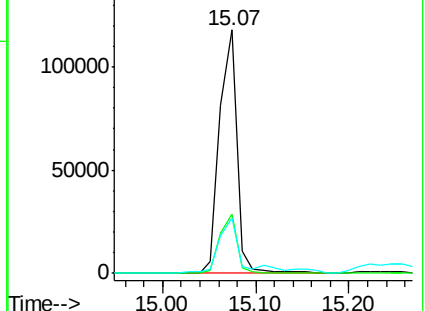
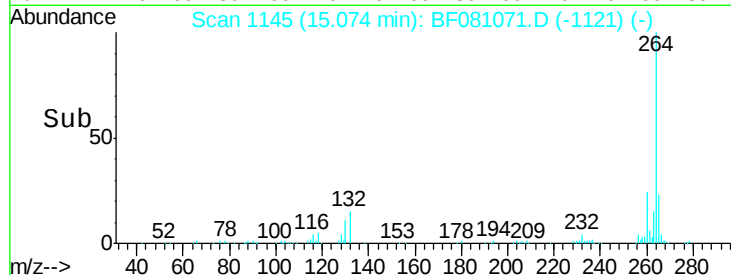
265 22.7 17.5 26.3



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: 28.27 ng

RT: 14.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

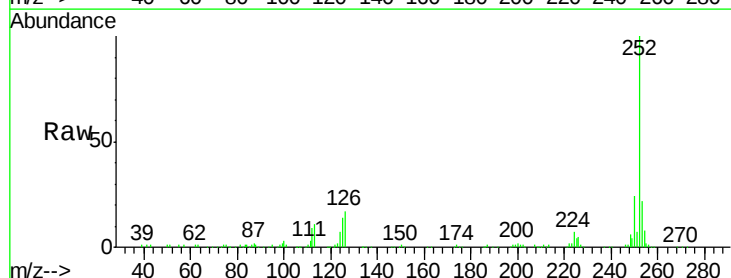
Tgt Ion:252 Resp: 306096

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

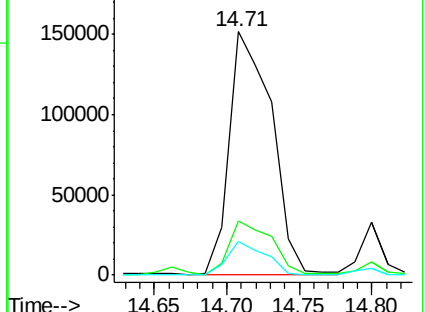
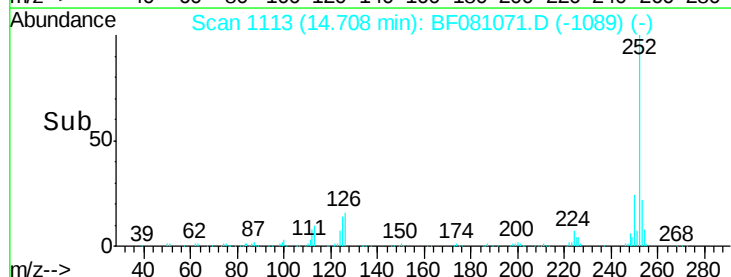
125 14.0 8.0 12.0#

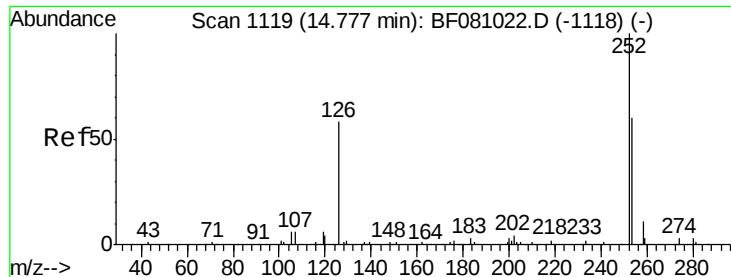


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 30.34 ng

RT: 14.71 min Scan# 1113

Delta R.T. -0.06 min

Lab File: BF081071.D

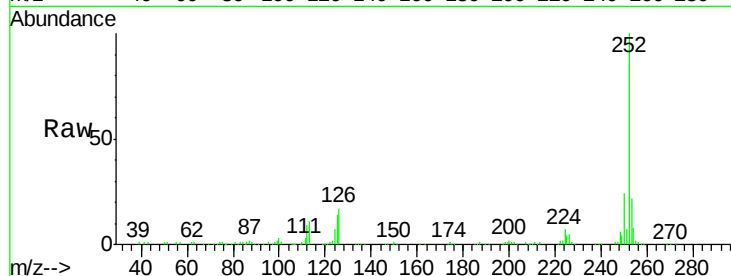
Acq: 19 Aug 2015 7:27

Instrument :

BNA\_F

ClientSampleId :

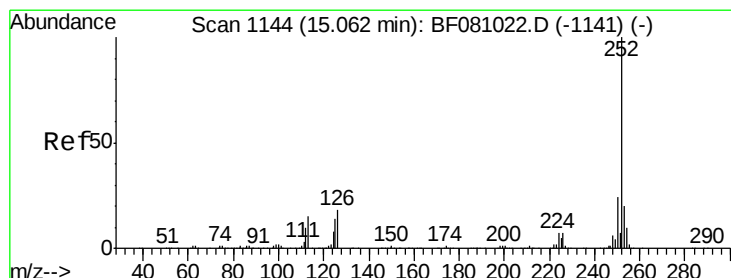
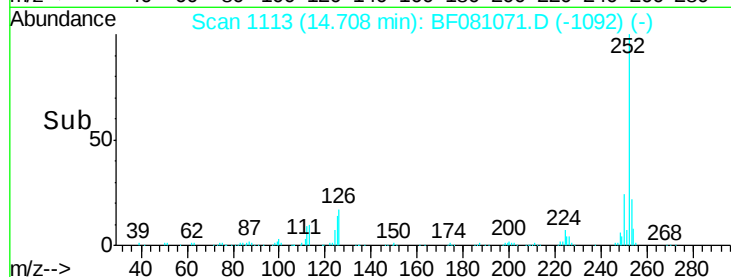
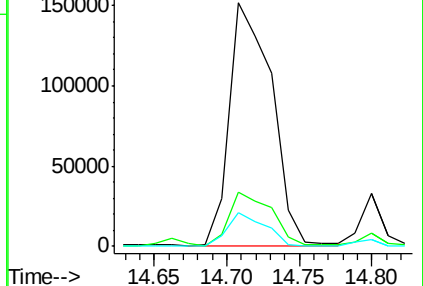
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 252   | Resp: | 306096 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.5  | 17.6  | 26.4   |
| 125      | 14.0  | 10.3  | 15.5   |



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: 16.15 ng

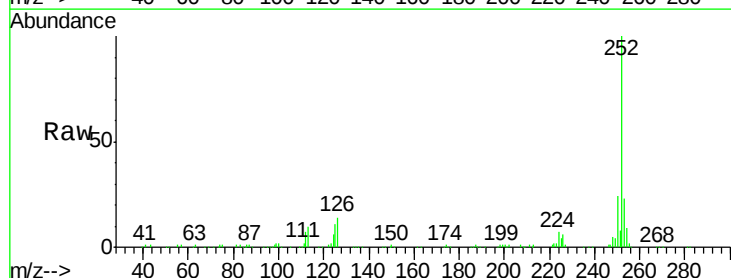
RT: 15.02 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

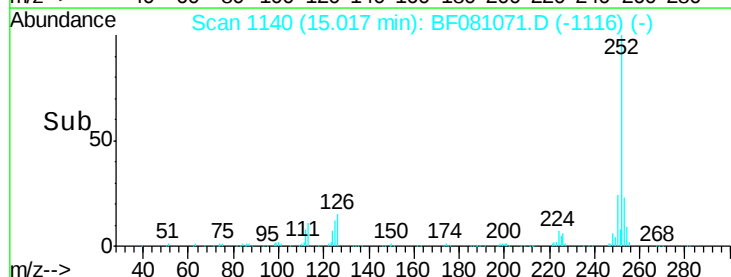
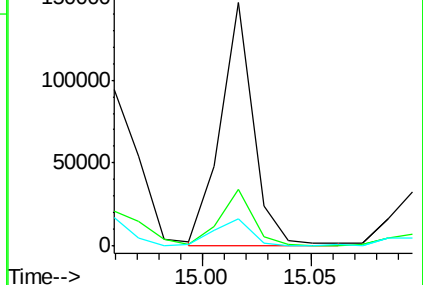
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 152374 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 23.1  | 16.6  | 25.0   |
| 125      | 11.3  | 7.8   | 11.8   |

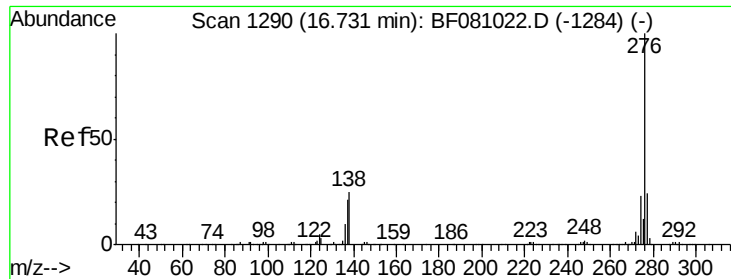


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

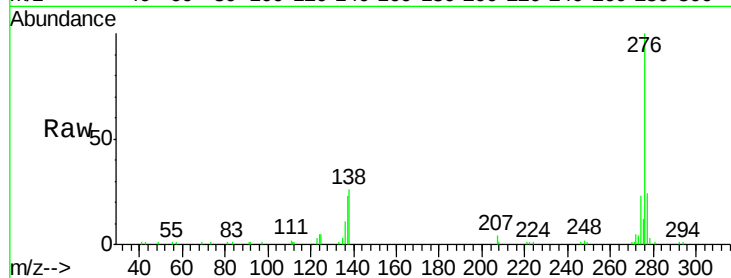




#91  
 Benzo(a,h,i)perylene  
 Concen: 10.47 ng  
 RT: 16.64 min Scan# 1282  
 Delta R.T. -0.05 min  
 Lab File: BF081071.D  
 Acq: 19 Aug 2015 7:27

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:276 Resp: 78111  
 Ion Ratio Lower Upper  
 276 100  
 277 24.1 18.2 27.2  
 138 26.4 13.7 20.5#



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

