

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080615\  
 Data File : BF080908.D  
 Acq On : 7 Aug 2015 2:10  
 Operator : TP/UM  
 Sample : G3196-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

Quant Time: Aug 07 05:34:21 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 07 03:17:12 2015  
 Response via : Initial Calibration

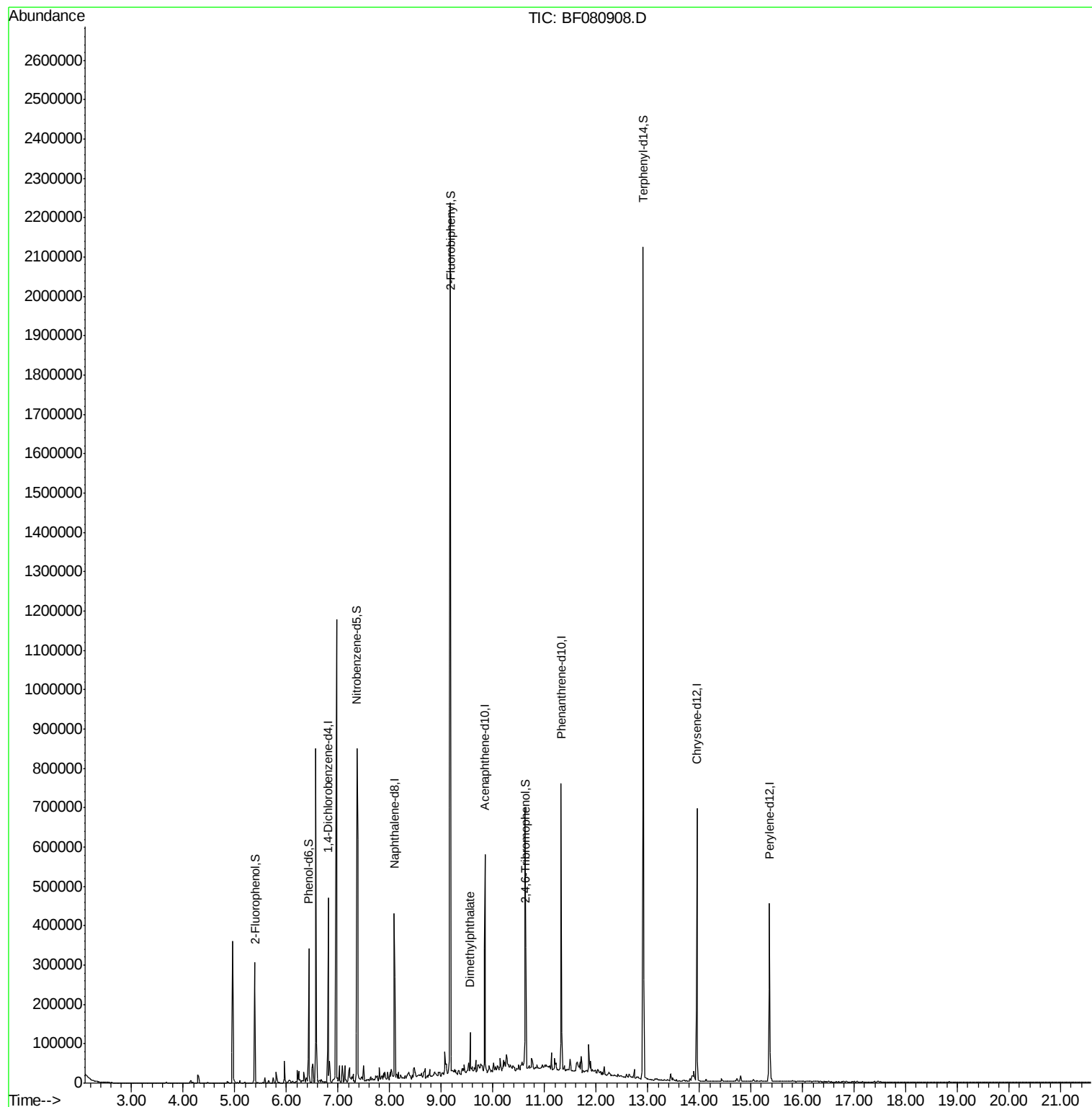
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 60882    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 223392   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 114244   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.32 | 188  | 235525   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.95 | 240  | 225392   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.36 | 264  | 202726   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 100879   | 26.41 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 101237   | 19.26 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 358681   | 75.64 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 81289    | 66.24 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 647807   | 80.82 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.91 | 244  | 674935   | 63.13 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.56  | 163  | 33208    | 3.66  | ng    | 99       |

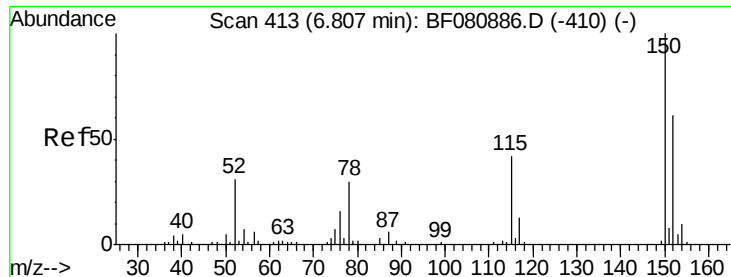
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080615\  
Data File : BF080908.D  
Acq On : 7 Aug 2015 2:10  
Operator : TP/UM  
Sample : G3196-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

Quant Time: Aug 07 05:34:21 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



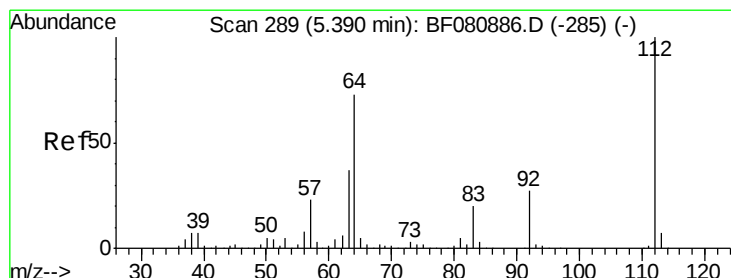
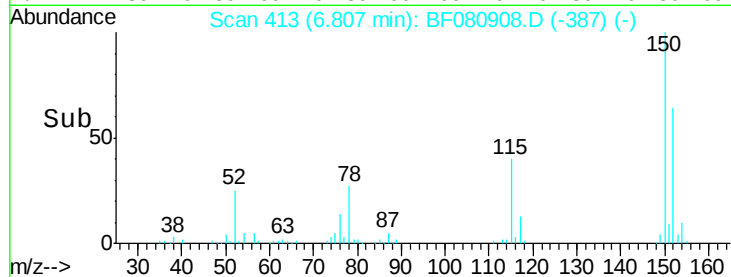
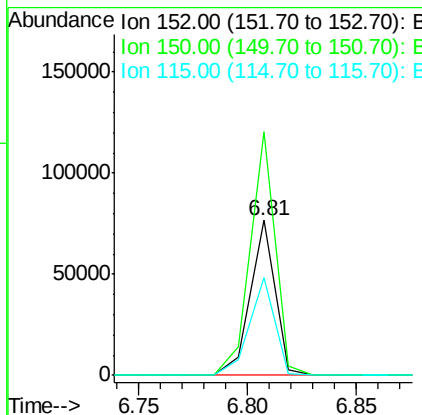
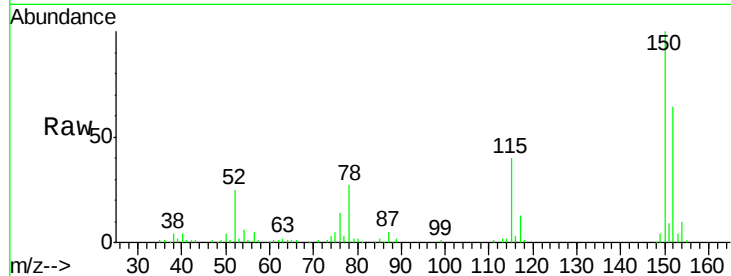


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 413  
Delta R.T. -0.00 min  
Lab File: BF080908.D  
Acq: 7 Aug 2015 2:10

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

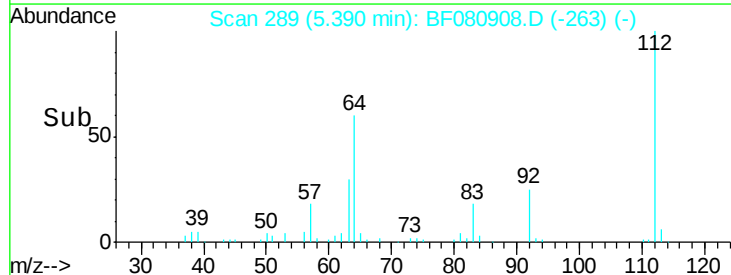
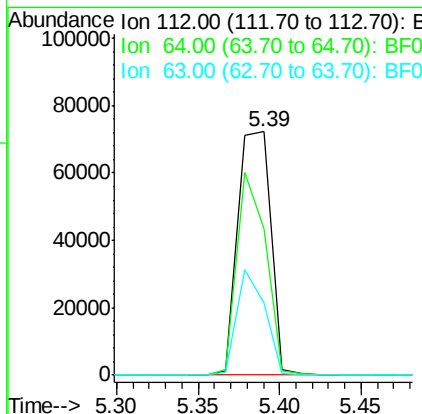
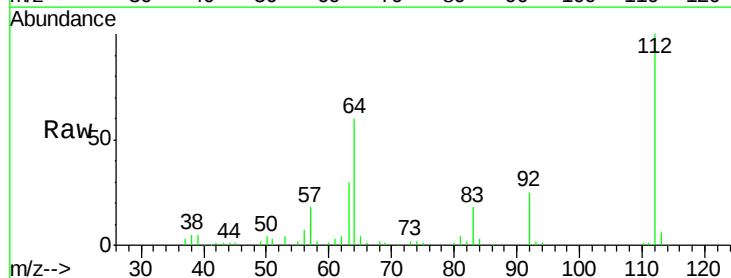
Tot Ion:152 Resp: 60882  
Ion Ratio Lower Upper  
152 100  
150 156.9 132.2 198.2  
115 63.0 54.9 82.3

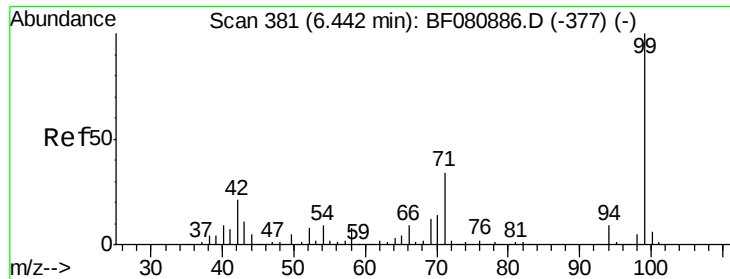


#5

2-Fluorophenol  
Concen: 26.41 ng  
RT: 5.39 min Scan# 289  
Delta R.T. -0.00 min  
Lab File: BF080908.D  
Acq: 7 Aug 2015 2:10

Tgt Ion:112 Resp: 100879  
Ion Ratio Lower Upper  
112 100  
64 59.9 58.0 87.0  
63 29.6 29.8 44.8#





#7

Phenol-d6

Concen: 19.26 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080908.D

Acq: 7 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

MW-3

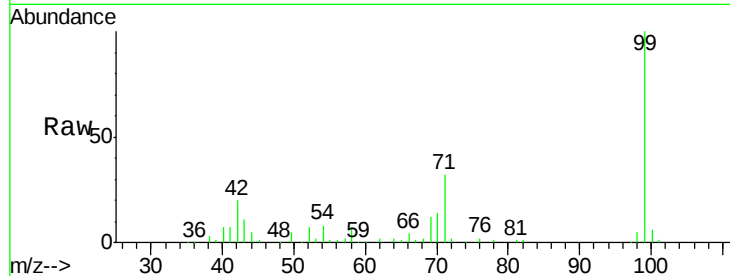
Tot Ion: 99 Resp: 101237

Ion Ratio Lower Upper

99 100

42 19.6 16.8 25.2

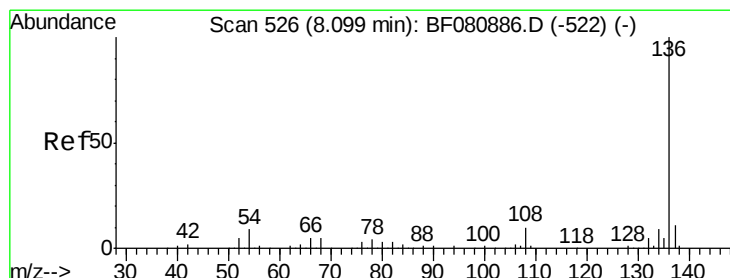
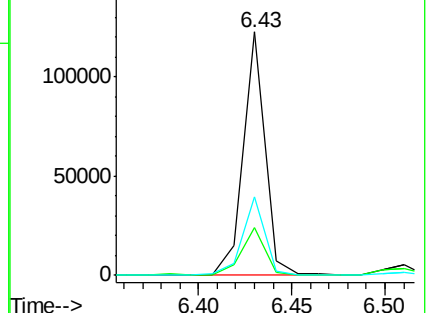
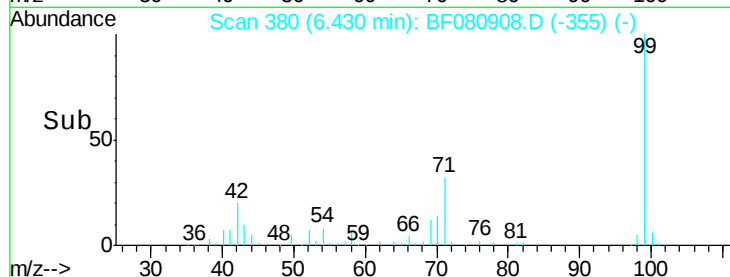
71 32.0 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF080908.D

Acq: 7 Aug 2015 2:10

Tgt Ion: 136 Resp: 223392

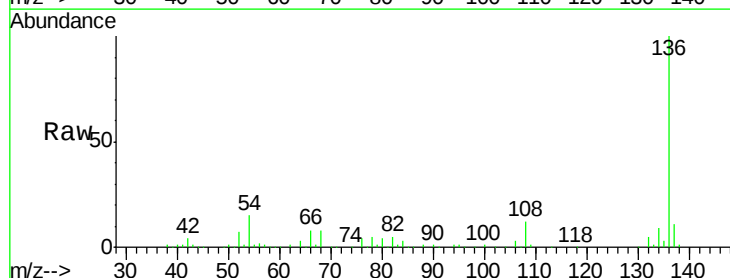
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 14.8 7.5 11.3#

68 7.9 4.2 6.2#

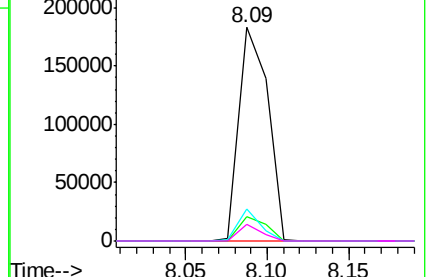
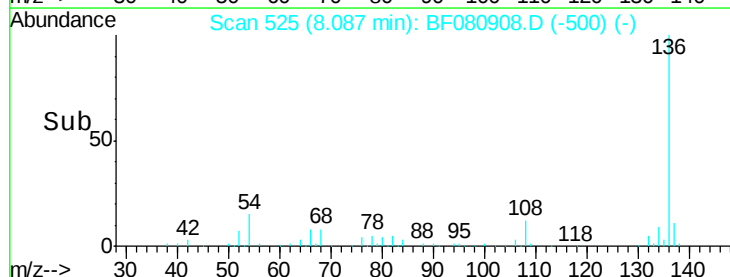


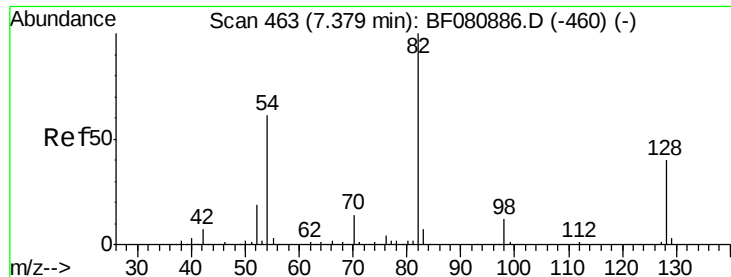
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

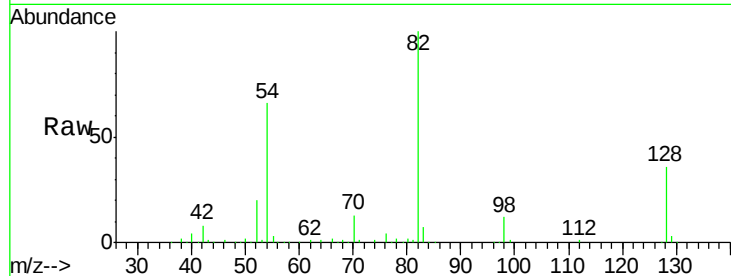




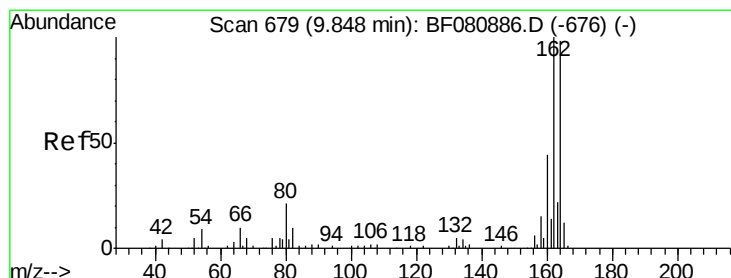
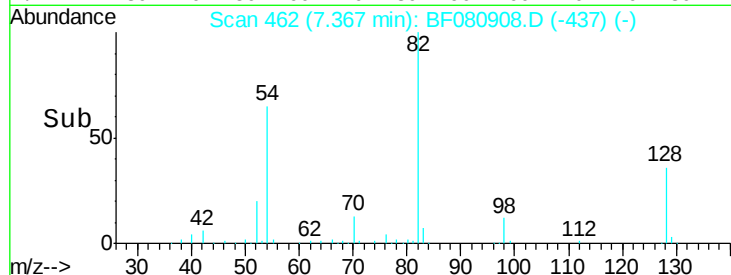
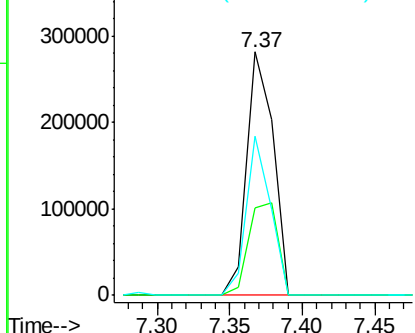
#23  
 Nitrobenzene-d5  
 Concen: 75.64 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.01 min  
 Lab File: BF080908.D  
 Acq: 7 Aug 2015 2:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

Tot Ion: 82 Resp: 358681  
 Ion Ratio Lower Upper  
 82 100  
 128 35.8 31.8 47.6  
 54 65.6 48.6 72.8

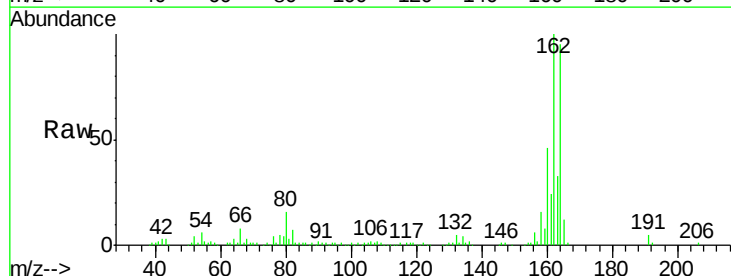


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

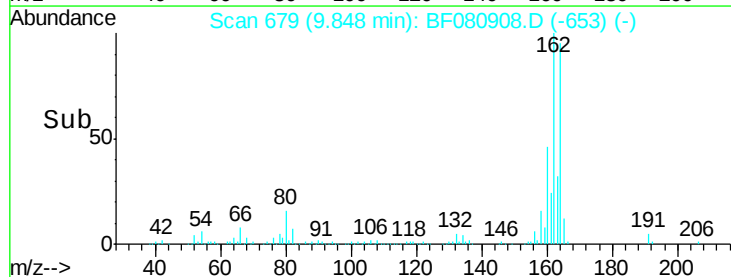
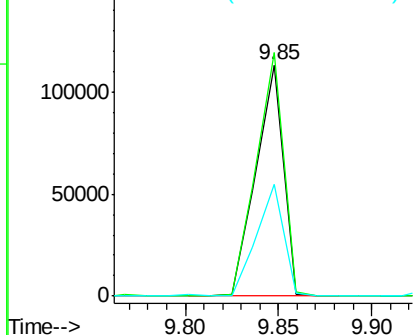


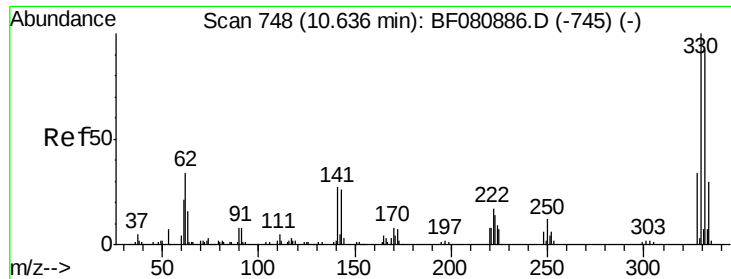
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. -0.00 min  
 Lab File: BF080908.D  
 Acq: 7 Aug 2015 2:10

Tgt Ion: 164 Resp: 114244  
 Ion Ratio Lower Upper  
 164 100  
 162 105.5 81.5 122.3  
 160 48.2 35.9 53.9



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

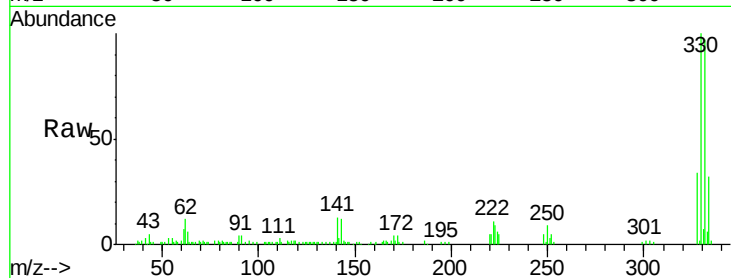




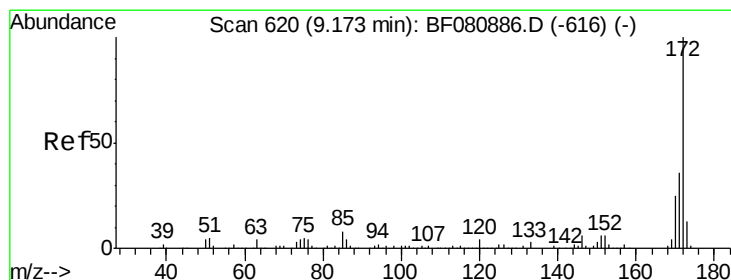
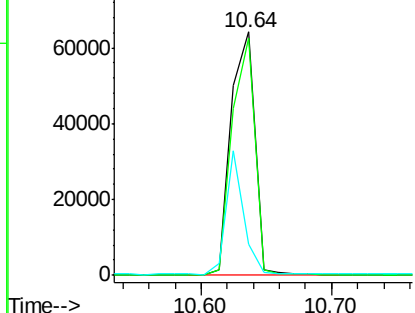
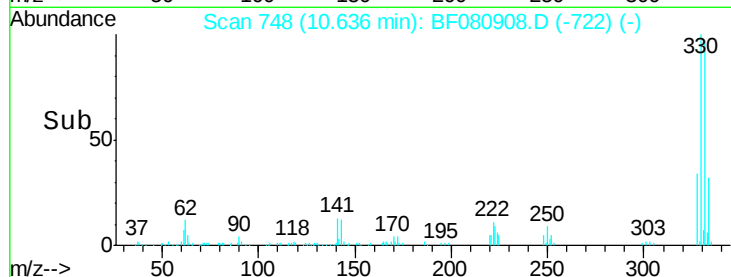
#41  
 2,4,6-Tribromophenol  
 Concen: 66.24 ng  
 RT: 10.64 min Scan# 748  
 Delta R.T. -0.00 min  
 Lab File: BF080908.D  
 Acq: 7 Aug 2015 2:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.2  | 74.1  | 111.1 |
| 141     | 40.3  | 30.1  | 45.1  |

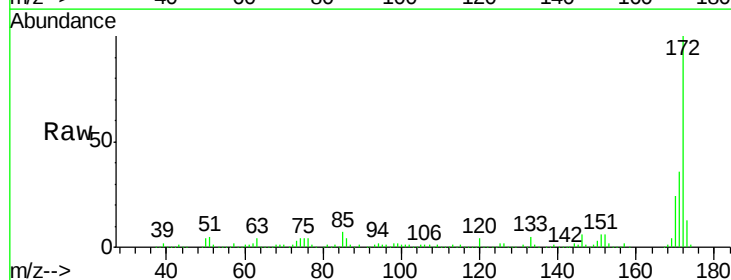


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

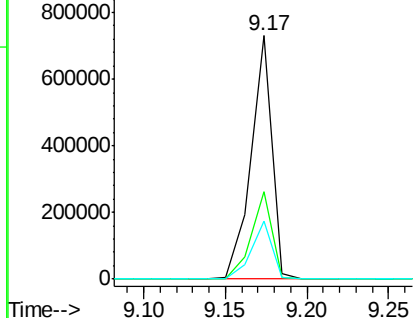
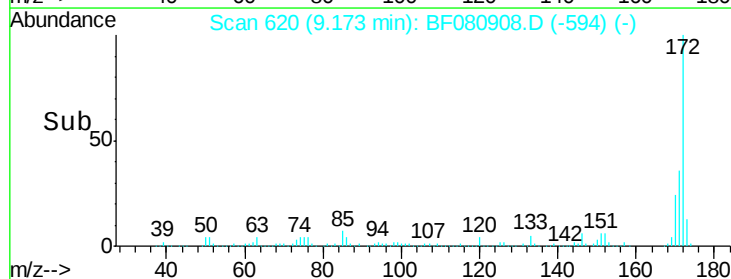


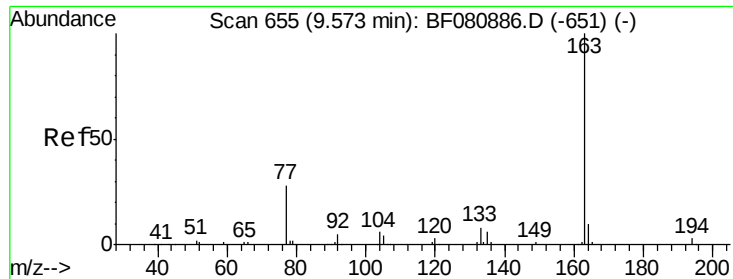
#44  
 2-Fluorobiphenyl  
 Concen: 80.82 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: BF080908.D  
 Acq: 7 Aug 2015 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.0  | 43.4  |
| 170     | 23.9  | 19.9  | 29.9  |



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

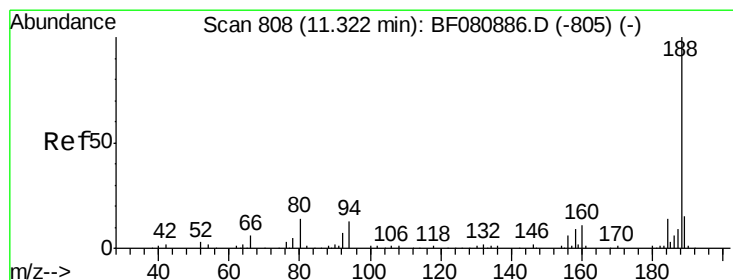
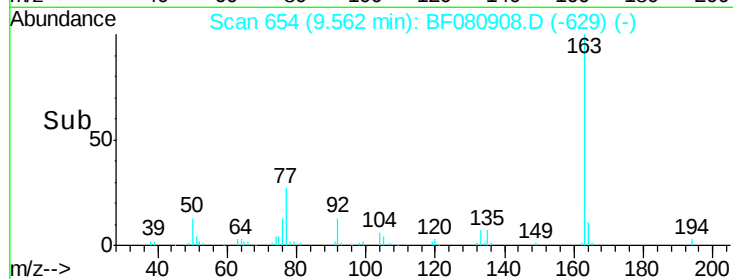
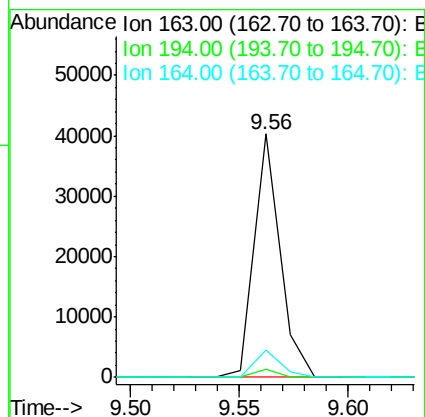
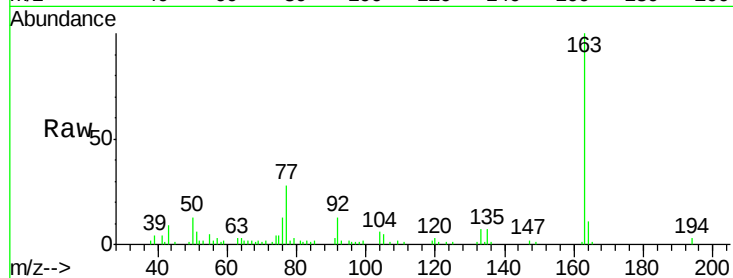




#49  
Dimethylphthalate  
Concen: 3.66 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.01 min  
Lab File: BF080908.D  
Acq: 7 Aug 2015 2:10

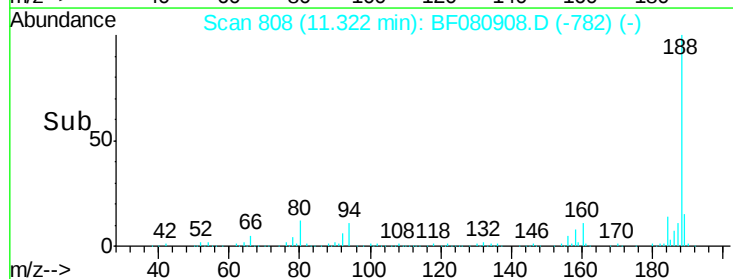
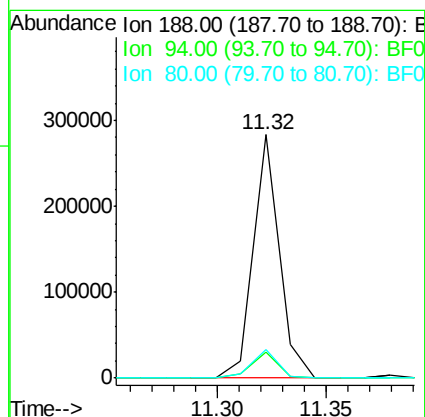
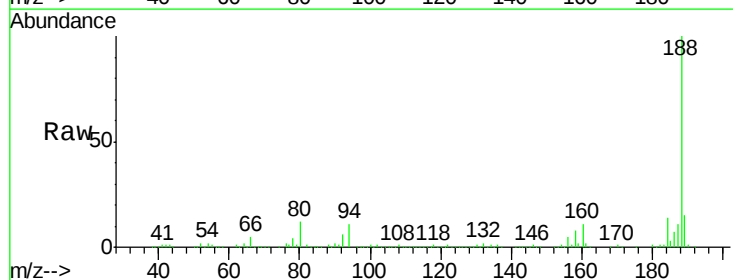
Instrument :  
BNA\_F  
ClientSampled :  
MW-3

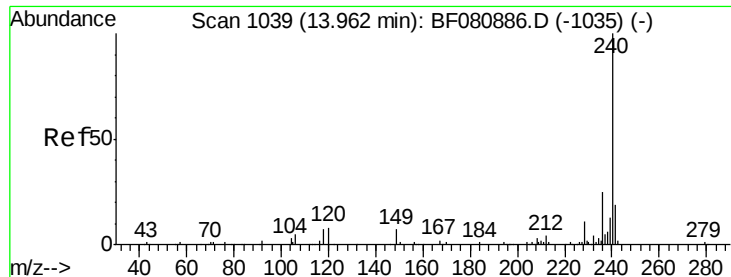
Tot Ion:163 Resp: 33208  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.3 3.5  
164 11.0 8.3 12.5



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 808  
Delta R.T. -0.00 min  
Lab File: BF080908.D  
Acq: 7 Aug 2015 2:10

Tgt Ion:188 Resp: 235525  
Ion Ratio Lower Upper  
188 100  
94 10.9 10.2 15.2  
80 11.8 11.4 17.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF080908.D

Acq: 7 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

MW-3

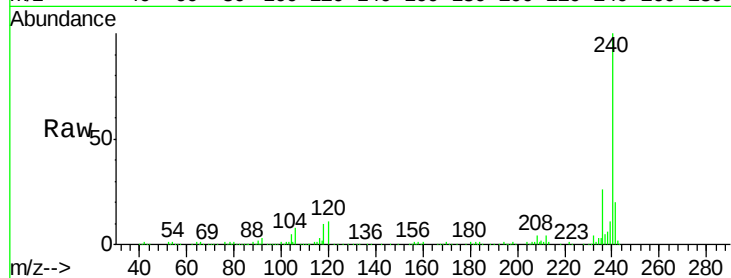
Tot Ion:240 Resp: 225392

Ion Ratio Lower Upper

240 100

120 11.3 6.4 9.6#

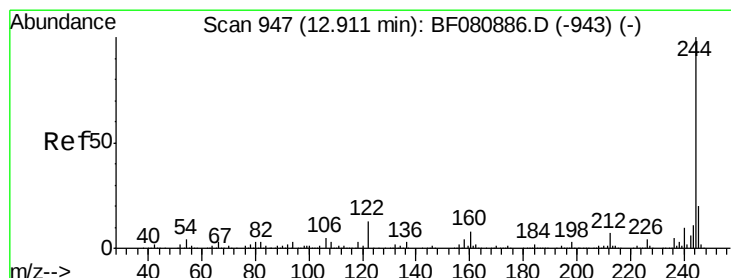
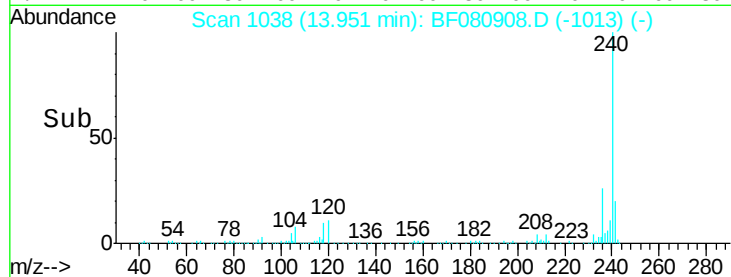
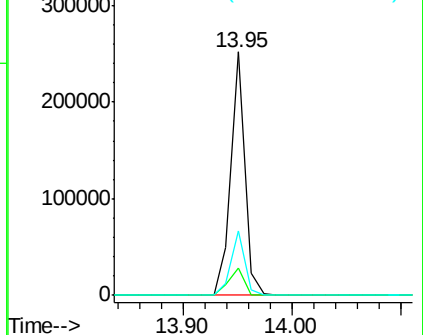
236 26.3 20.2 30.4



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



#78

Terphenyl-d14

Concen: 63.13 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF080908.D

Acq: 7 Aug 2015 2:10

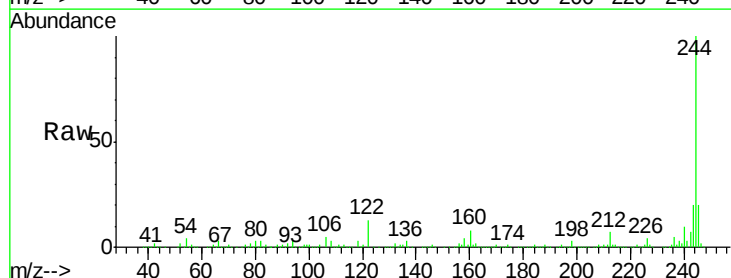
Tgt Ion:244 Resp: 674935

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

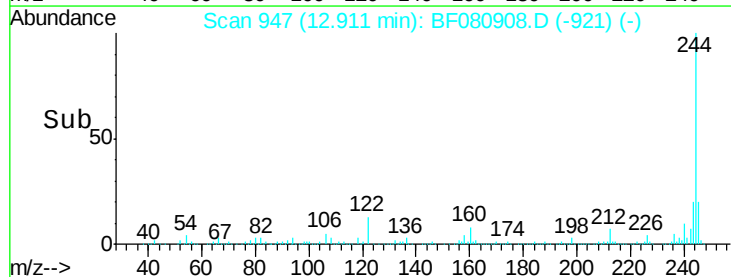
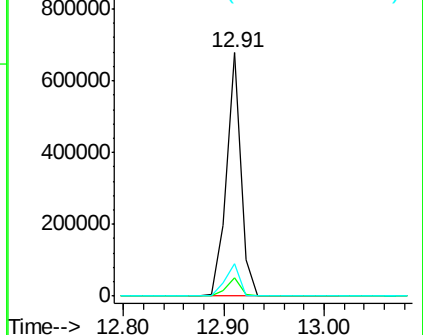
122 13.4 10.6 16.0

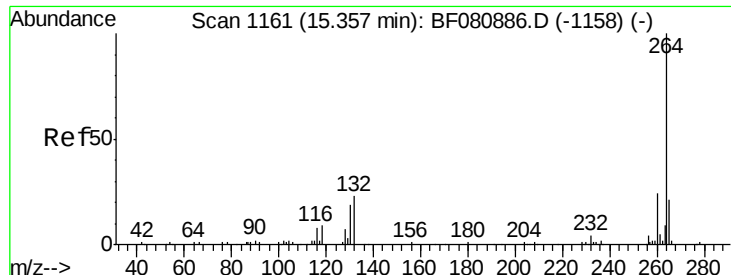


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

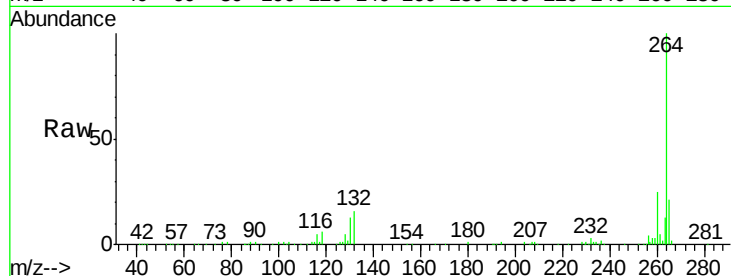




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1161  
Delta R.T. -0.00 min  
Lab File: BF080908.D  
Acq: 7 Aug 2015 2:10

Instrument :  
BNA\_F  
ClientSampleId :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.0  | 28.4  |
| 265     | 21.2  | 17.0  | 25.6  |



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

