

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031115\  
 Data File : BF078124.D  
 Acq On : 31 Mar 2015 20:03  
 Operator : TP/IZ  
 Sample : G1698-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z2-0117

Quant Time: Apr 01 01:24:21 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 01 00:51:03 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.05  | 152  | 42777    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.62  | 136  | 173118   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.79 | 164  | 88130    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.63 | 188  | 184443   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.91 | 240  | 184279   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 17.67 | 264  | 165379   | 20.00  | ng    | 0.06     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 140198   | 57.21  | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 104252   | 34.43  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.74  | 82   | 257138   | 97.37  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.77 | 330  | 105425   | 125.03 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.97  | 172  | 559186   | 93.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.63 | 244  | 631811   | 83.75  | ng    | 0.01     |

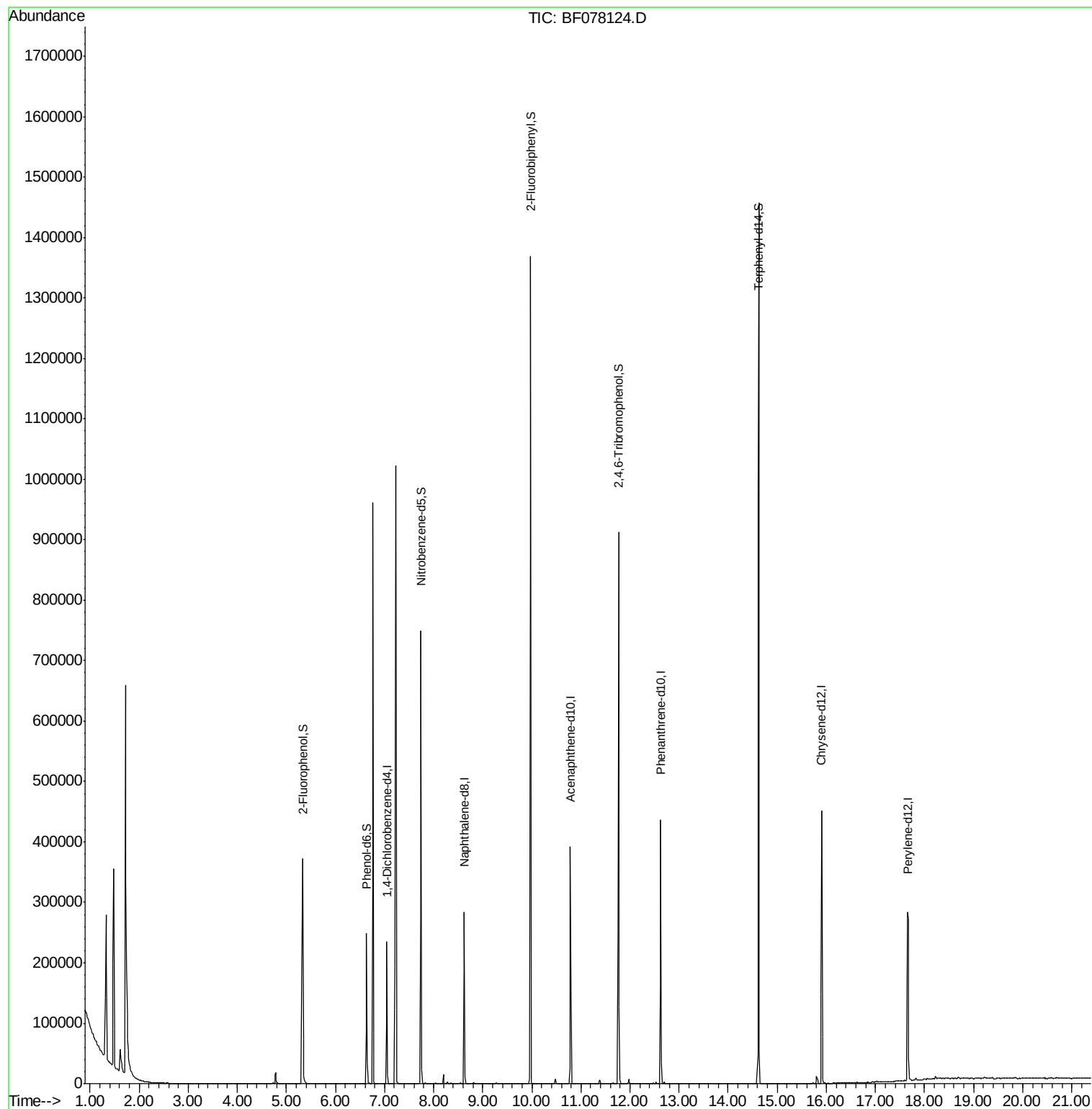
Target Compounds Qvalue

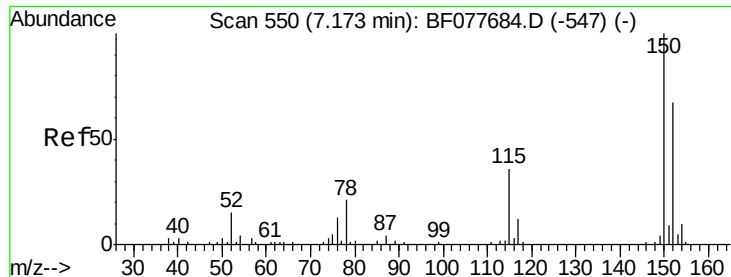
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033115\  
Data File : BF078124.D  
Acq On : 31 Mar 2015 20:03  
Operator : TP/IZ  
Sample : G1698-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
Z2-0117

Quant Time: Apr 01 01:24:21 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 01 00:51:03 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.05 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF078124.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA\_F

ClientSampleId :

Z2-0117

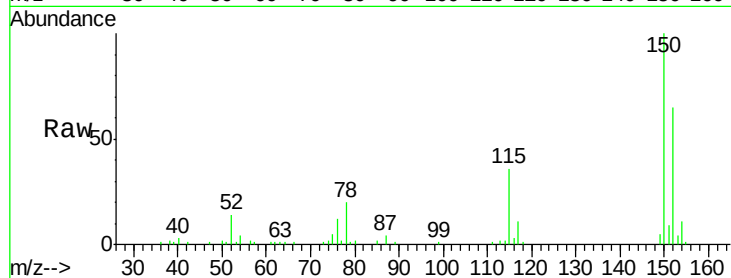
Tot Ion:152 Resp: 42777

Ion Ratio Lower Upper

152 100

150 153.7 119.5 179.3

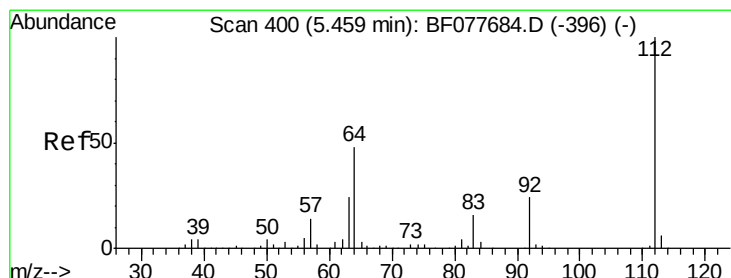
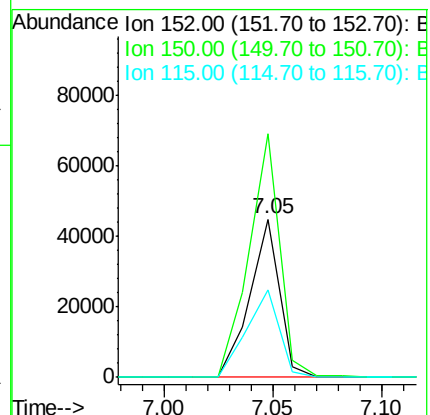
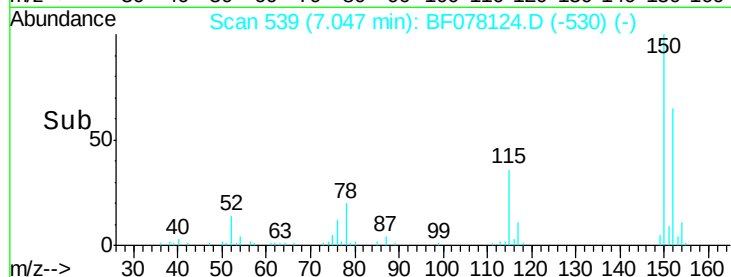
115 55.3 43.0 64.4



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: 57.21 ng

RT: 5.33 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF078124.D

Acq: 31 Mar 2015 20:03

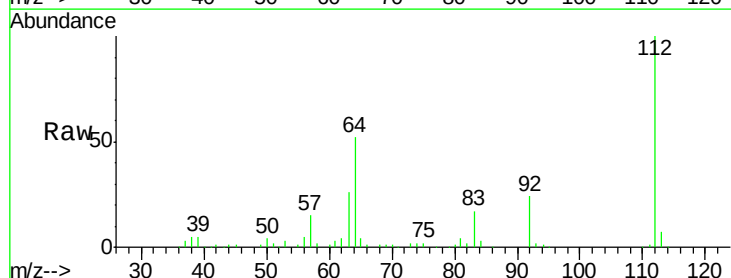
Tgt Ion:112 Resp: 140198

Ion Ratio Lower Upper

112 100

64 51.8 38.6 57.8

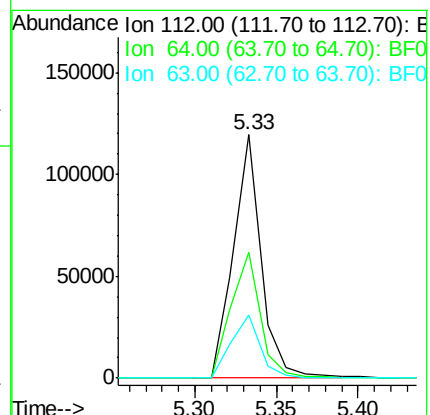
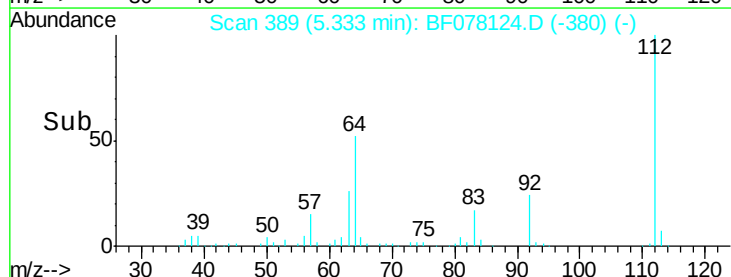
63 25.9 19.3 28.9

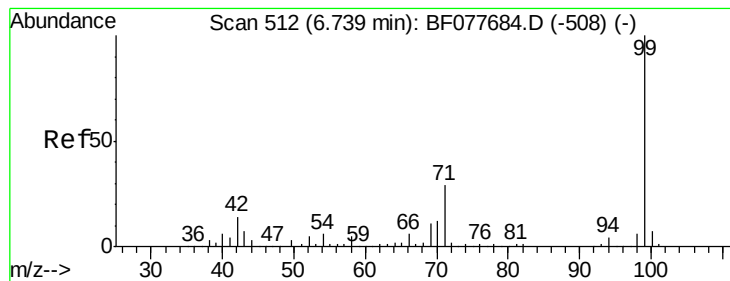


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.43 ng

RT: 6.64 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078124.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA\_F

ClientSampleId :

Z2-0117

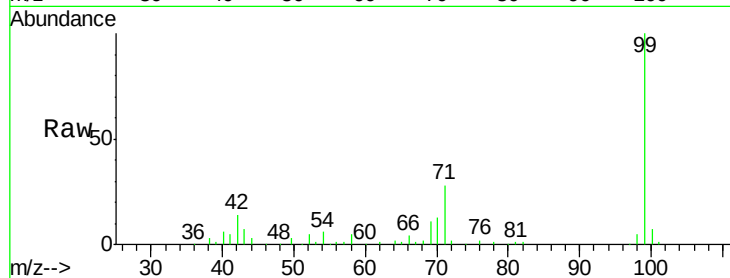
Tot Ion: 99 Resp: 104252

Ion Ratio Lower Upper

99 100

42 14.2 11.0 16.4

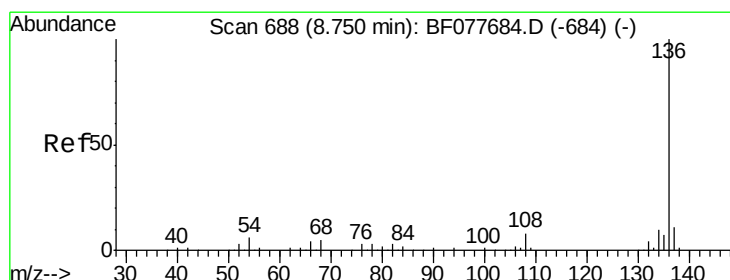
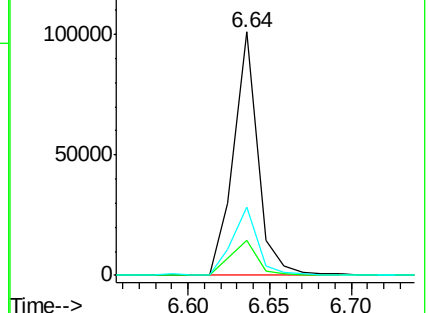
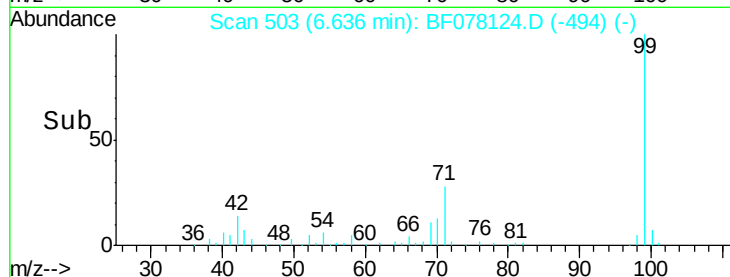
71 28.2 23.4 35.2



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: 8.62 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078124.D

Acq: 31 Mar 2015 20:03

Tgt Ion: 136 Resp: 173118

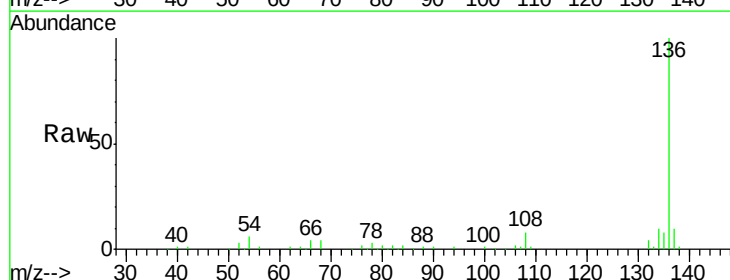
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 5.5 4.6 6.8

68 4.4 3.7 5.5

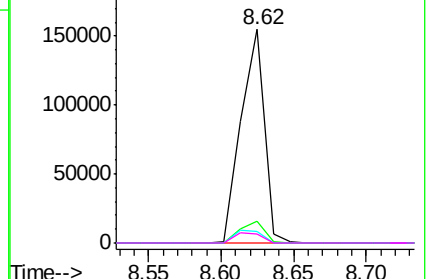
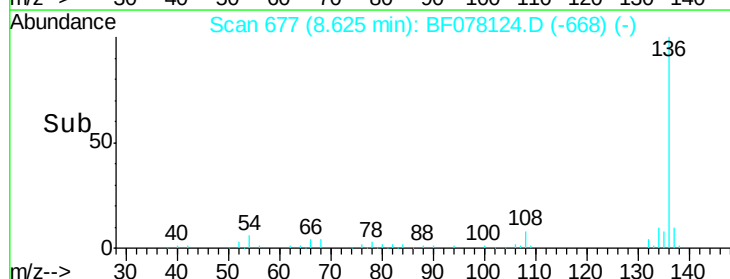


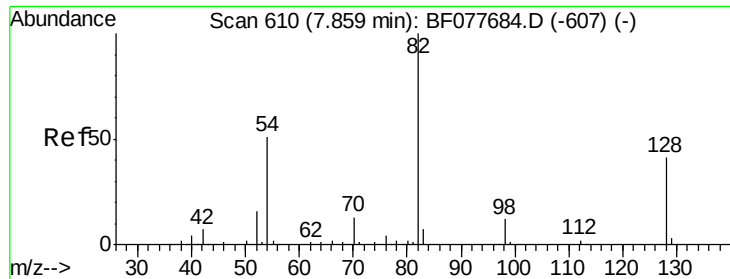
Abundance Ion 136.00 (135.70 to 136.70): E

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

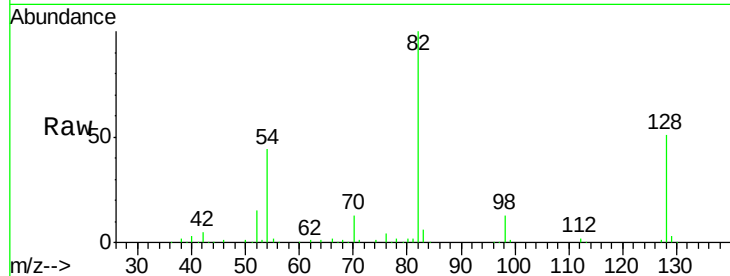




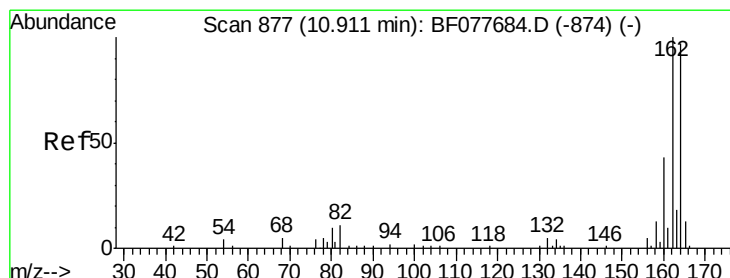
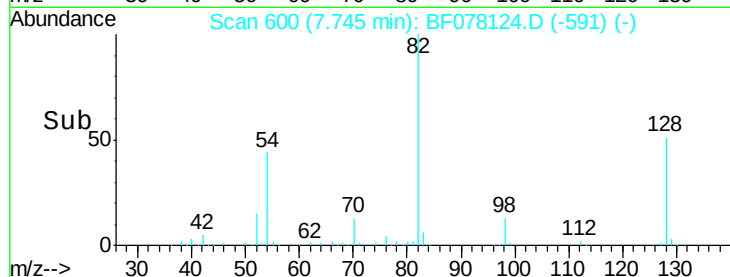
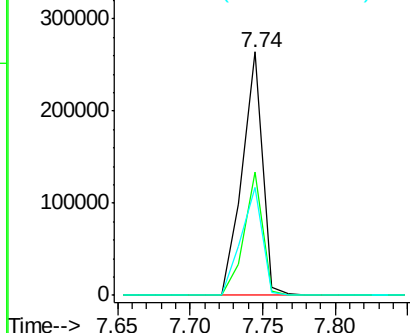
#23  
 Nitrobenzene-d5  
 Concen: 97.37 ng  
 RT: 7.74 min Scan# 600  
 Delta R.T. 0.00 min  
 Lab File: BF078124.D  
 Acq: 31 Mar 2015 20:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z2-0117

Tot Ion: 82 Resp: 257138  
 Ion Ratio Lower Upper  
 82 100  
 128 50.6 32.8 49.2#  
 54 44.4 40.6 60.8

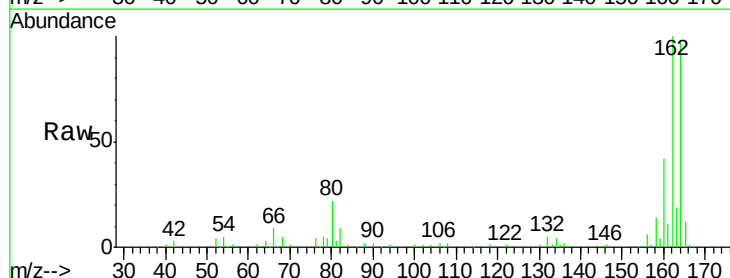


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

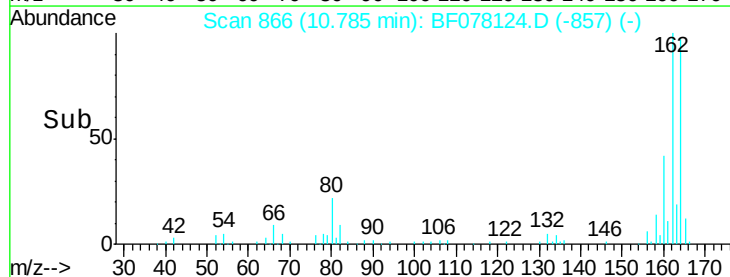
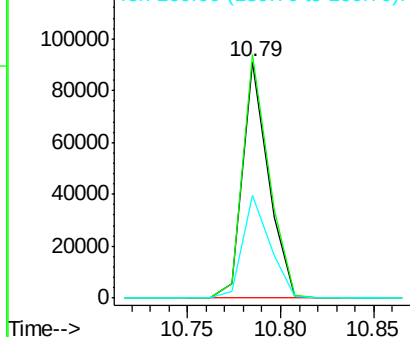


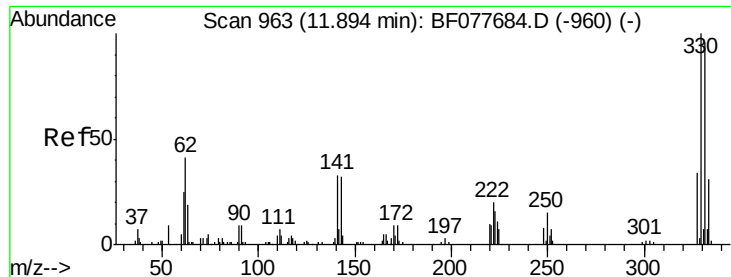
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.79 min Scan# 866  
 Delta R.T. 0.00 min  
 Lab File: BF078124.D  
 Acq: 31 Mar 2015 20:03

Tgt Ion:164 Resp: 88130  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 82.4 123.6  
 160 43.4 35.8 53.6



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

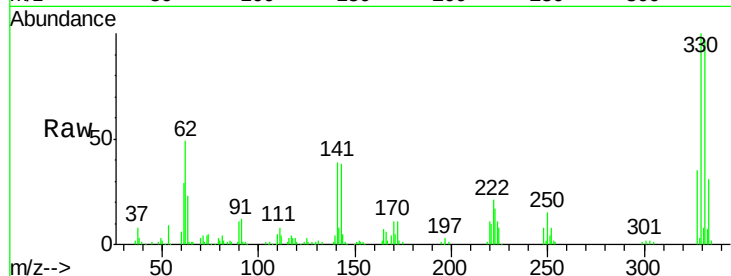




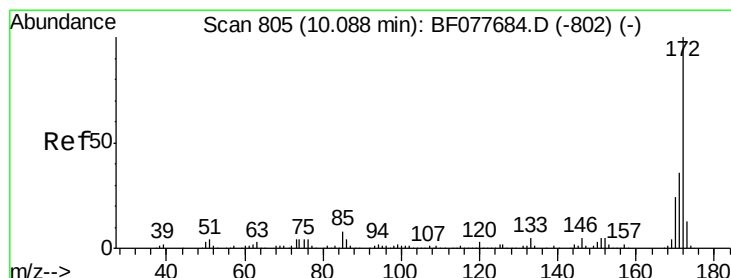
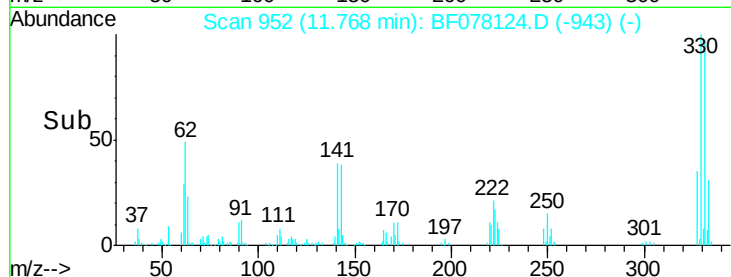
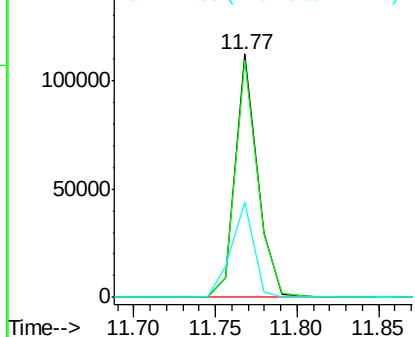
#41  
 2,4,6-Tribromophenol  
 Concen: 125.03 ng  
 RT: 11.77 min Scan# 952  
 Delta R.T. 0.00 min  
 Lab File: BF078124.D  
 Acq: 31 Mar 2015 20:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z2-0117

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 0.0   | 0.0#  |
| 141     | 39.9  | 0.0   | 0.0#  |

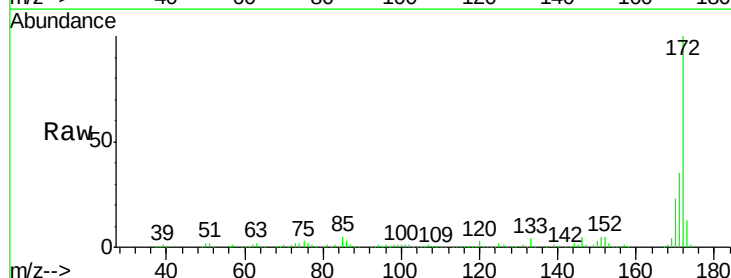


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

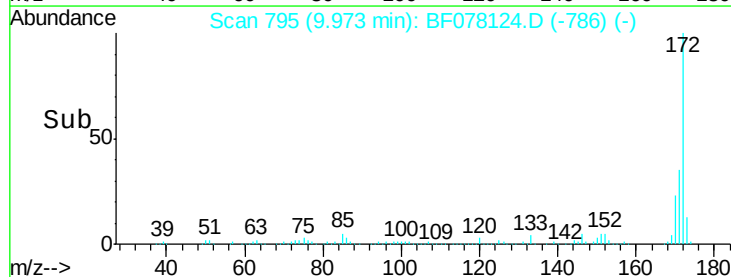
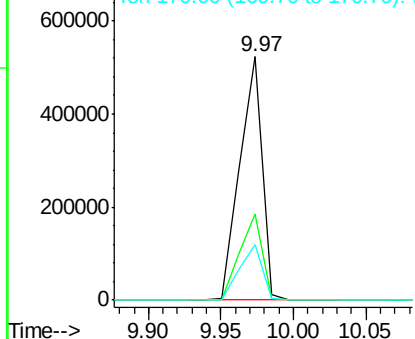


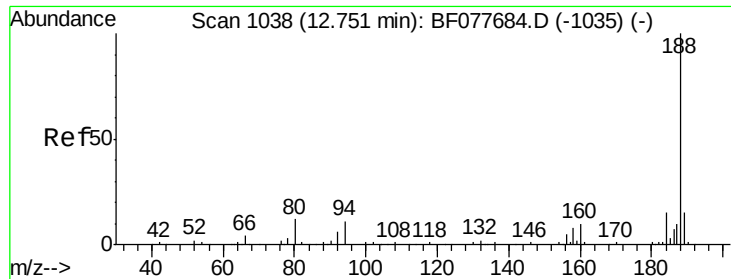
#44  
 2-Fluorobiphenyl  
 Concen: 93.25 ng  
 RT: 9.97 min Scan# 795  
 Delta R.T. 0.00 min  
 Lab File: BF078124.D  
 Acq: 31 Mar 2015 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.5  | 42.7  |
| 170     | 22.9  | 18.8  | 28.2  |



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

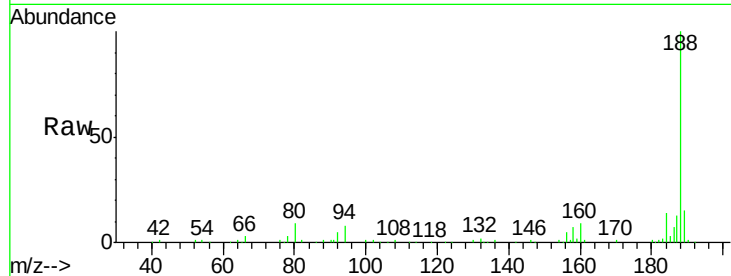




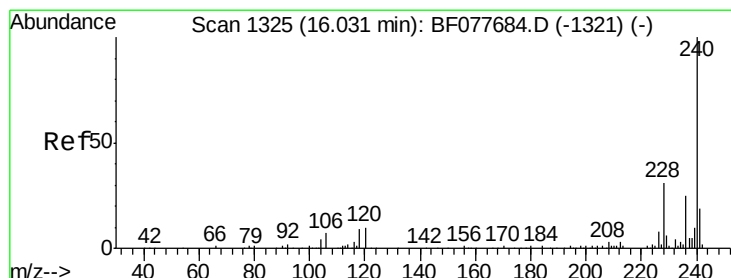
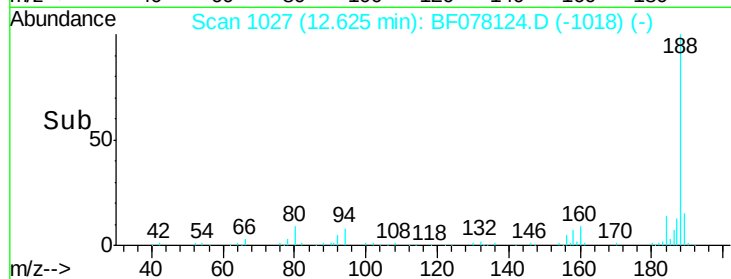
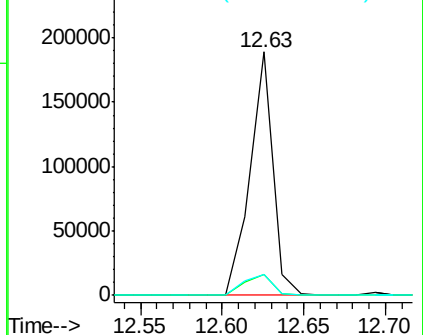
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.63 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: BF078124.D  
Acq: 31 Mar 2015 20:03

Instrument :  
BNA\_F  
ClientSampled :  
Z2-0117

Tot Ion:188 Resp: 184443  
Ion Ratio Lower Upper  
188 100  
94 8.4 8.7 13.1#  
80 8.6 9.3 13.9#

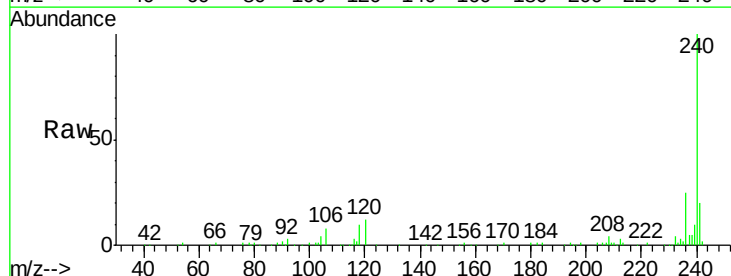


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

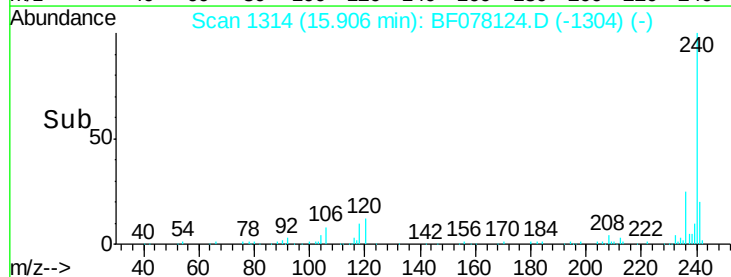
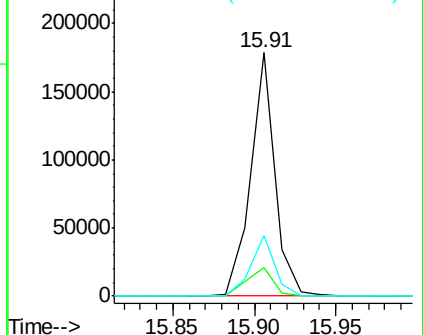


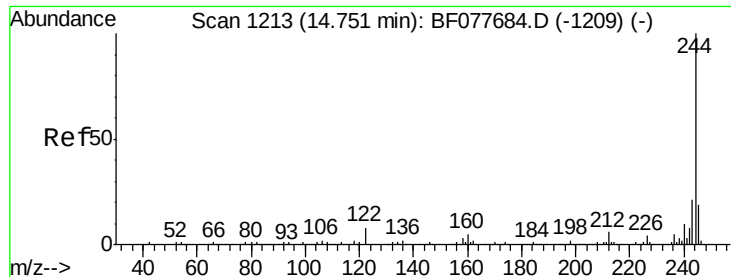
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.91 min Scan# 1314  
Delta R.T. 0.01 min  
Lab File: BF078124.D  
Acq: 31 Mar 2015 20:03

Tgt Ion:240 Resp: 184279  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.2 12.2  
236 24.9 20.0 30.0



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: 83.75 ng

RT: 14.63 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BF078124.D

Acq: 31 Mar 2015 20:03

Instrument :

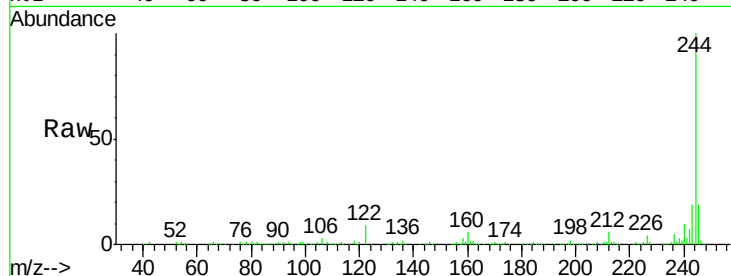
BNA\_F

ClientSampleId :

Z2-0117

Tot Ion:244 Resp: 631811

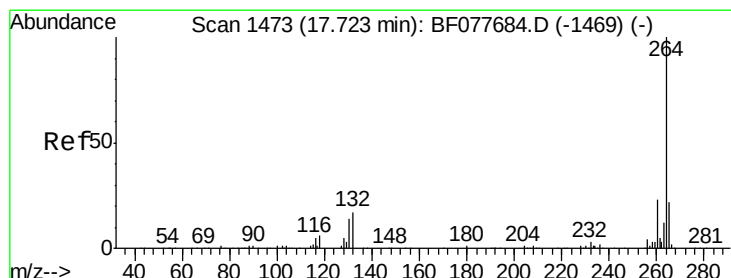
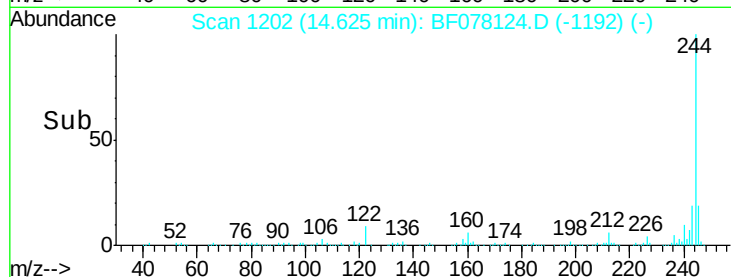
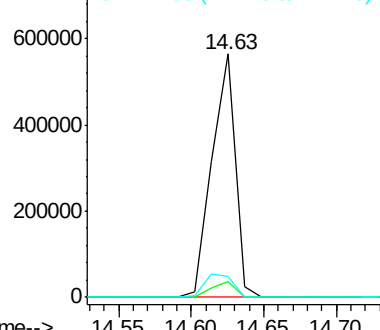
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.3   | 4.9   | 7.3   |
| 122 | 8.6   | 6.2   | 9.4   |



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.67 min Scan# 1468

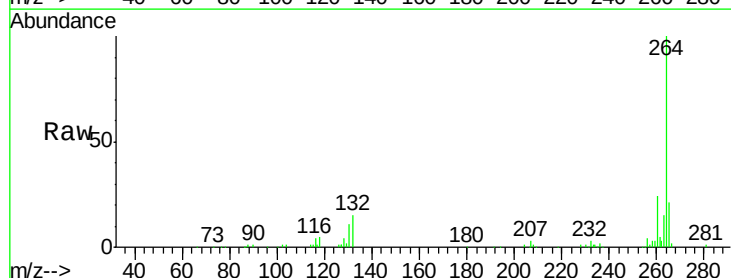
Delta R.T. 0.06 min

Lab File: BF078124.D

Acq: 31 Mar 2015 20:03

Tgt Ion:264 Resp: 165379

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.5  | 18.6  | 27.8  |
| 265 | 21.1  | 17.3  | 25.9  |



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

