

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033115\  
 Data File : BF078114.D  
 Acq On : 31 Mar 2015 15:15  
 Operator : TP/IZ  
 Sample : G1703-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-4(0-10)

Quant Time: Apr 01 01:19:56 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

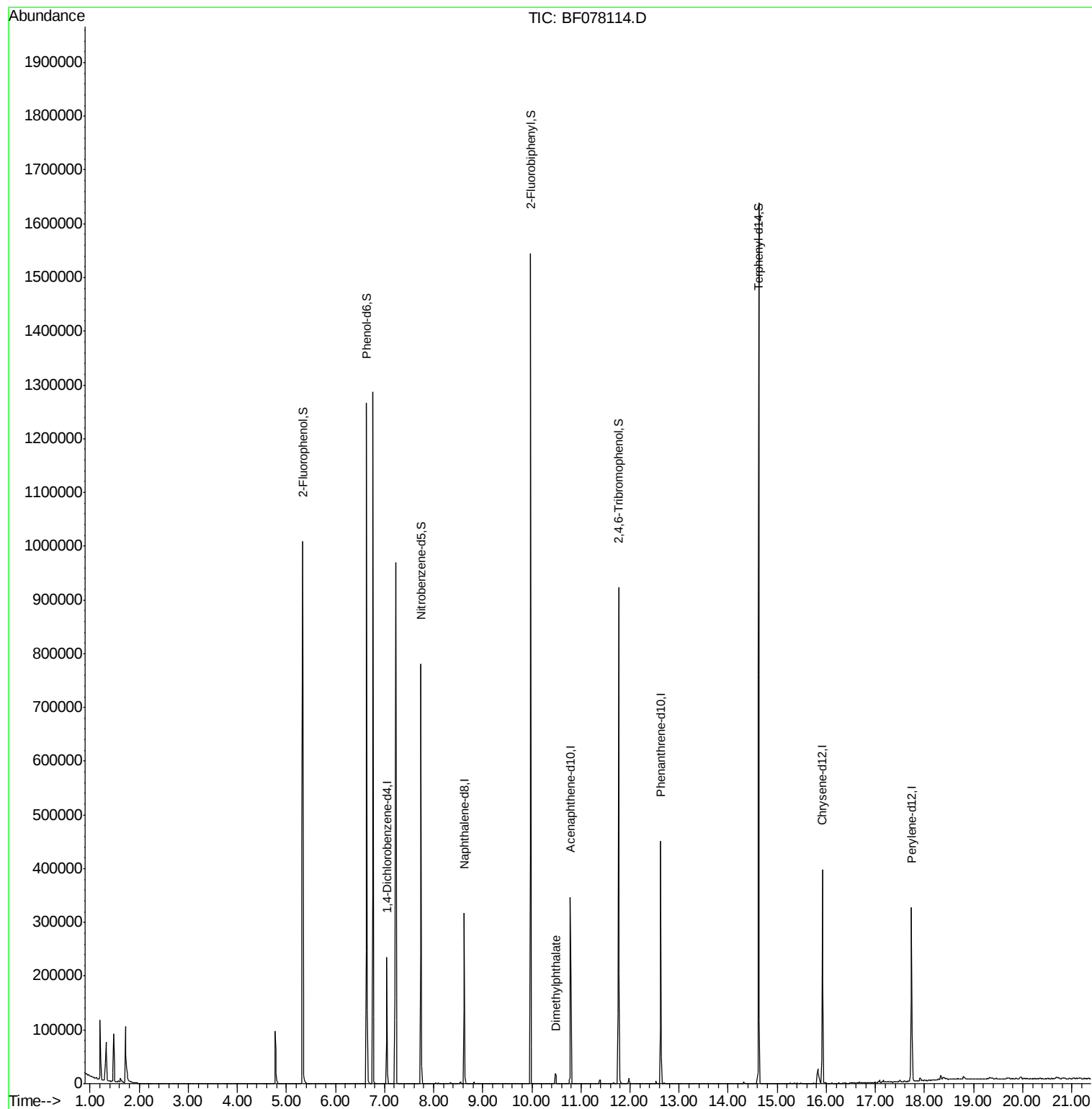
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.05  | 152  | 40166    | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.62  | 136  | 166646   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 10.79 | 164  | 86117    | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 12.63 | 188  | 175681   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 15.92 | 240  | 173445   | 20.00  | ng    | 0.02          |
| 86) Perylene-d12            | 17.73 | 264  | 154347   | 20.00  | ng    | 0.13          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.33  | 112  | 347589   | 151.05 | ng    | 0.00          |
| 7) Phenol-d6                | 6.64  | 99   | 436091   | 153.39 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.74  | 82   | 255733   | 100.59 | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 11.77 | 330  | 104861   | 127.27 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 9.97  | 172  | 501065   | 85.51  | ng    | 0.00          |
| 78) Terphenyl-d14           | 14.63 | 244  | 626759   | 88.27  | ng    | 0.01          |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 10.49 | 163  | 13364    | 2.09   | ng    | Qvalue<br>100 |

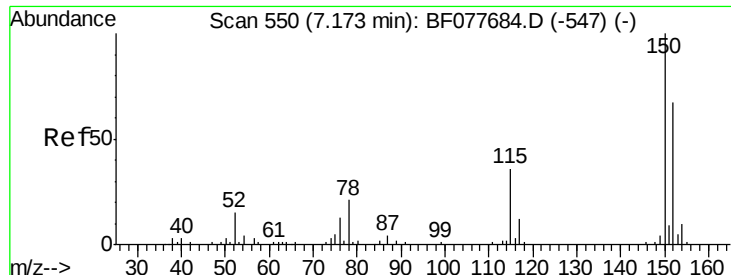
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033115\  
Data File : BF078114.D  
Acq On : 31 Mar 2015 15:15  
Operator : TP/IZ  
Sample : G1703-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S-4(0-10)

Quant Time: Apr 01 01:19:56 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: BF078114.D

Acq: 31 Mar 2015 15:15

Instrument :

BNA\_F

ClientSampleId :

S-4(0-10)

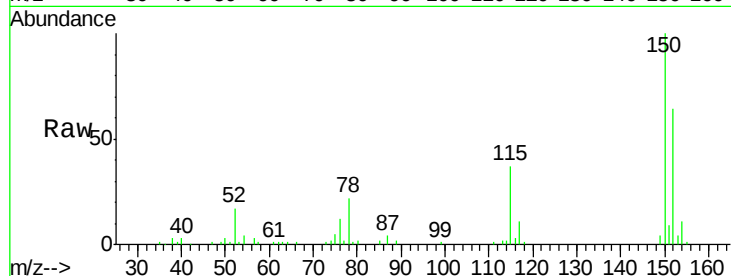
Tot Ion:152 Resp: 40166

Ion Ratio Lower Upper

152 100

150 156.2 119.5 179.3

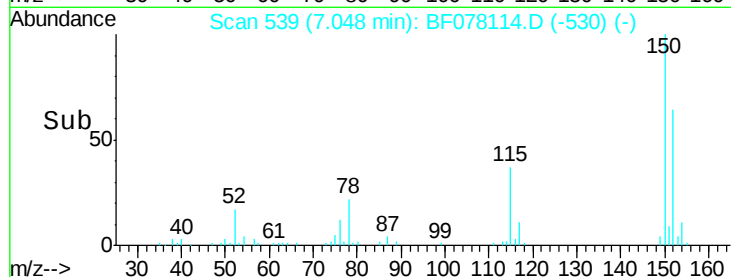
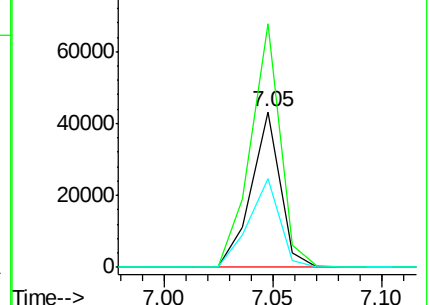
115 57.2 43.0 64.4



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: 151.05 ng

RT: 5.33 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF078114.D

Acq: 31 Mar 2015 15:15

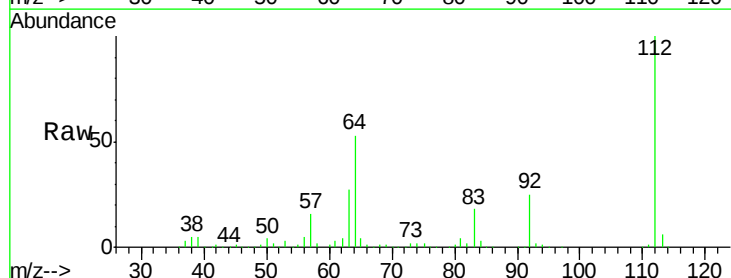
Tgt Ion:112 Resp: 347589

Ion Ratio Lower Upper

112 100

64 52.6 38.6 57.8

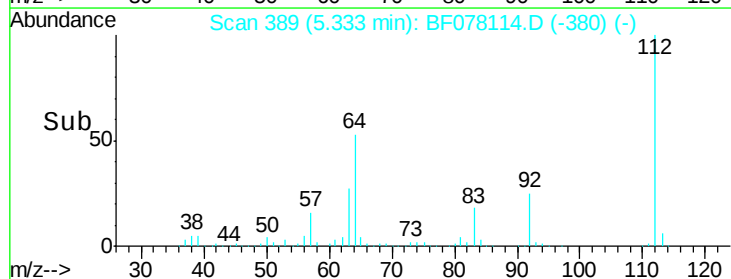
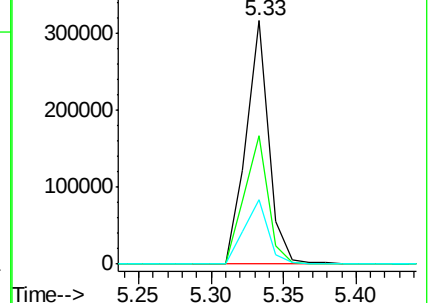
63 26.7 19.3 28.9



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: 153.39 ng

RT: 6.64 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078114.D

Acq: 31 Mar 2015 15:15

Instrument :

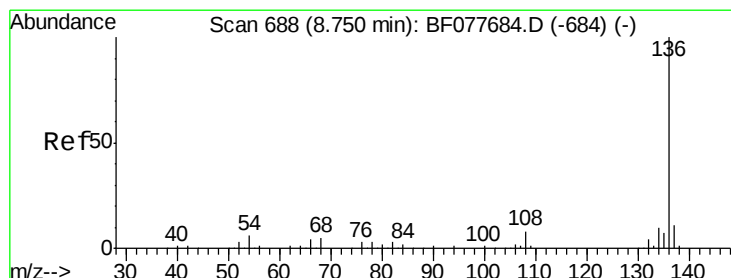
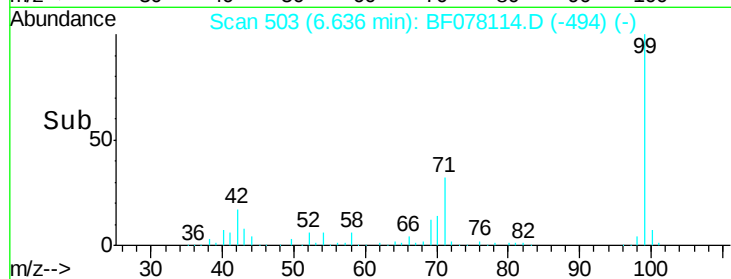
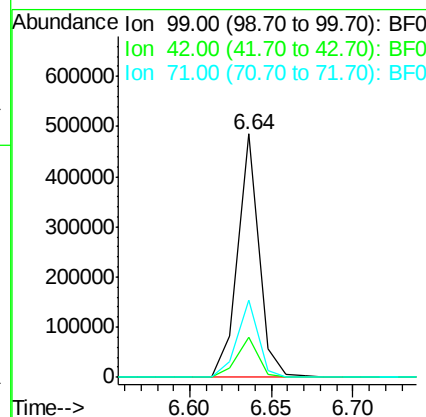
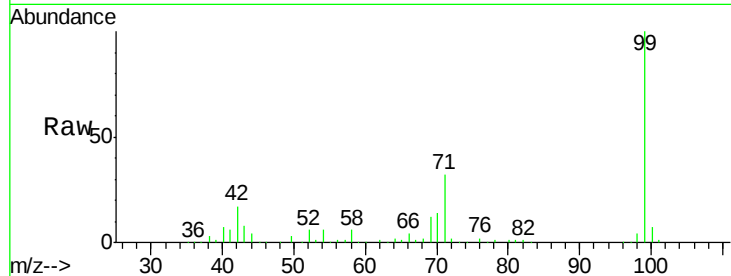
BNA\_F

ClientSampleId :

S-4(0-10)

Tot Ion: 99 Resp: 436091

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.6  | 11.0  | 16.4# |
| 71  | 31.9  | 23.4  | 35.2  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.62 min Scan# 677

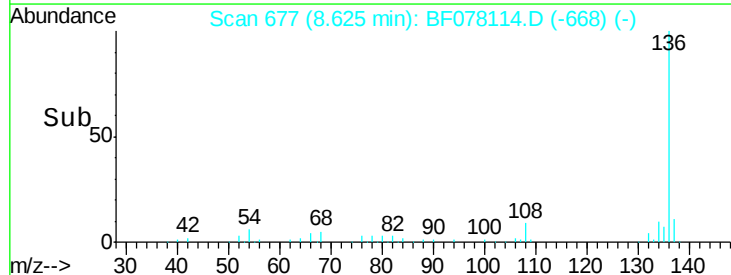
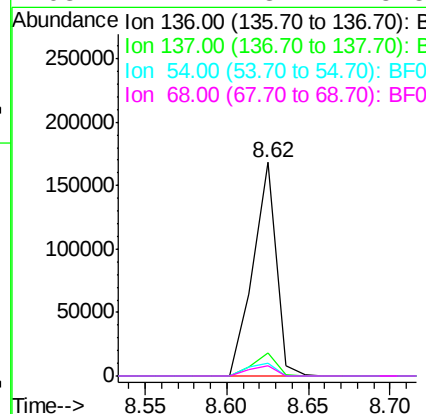
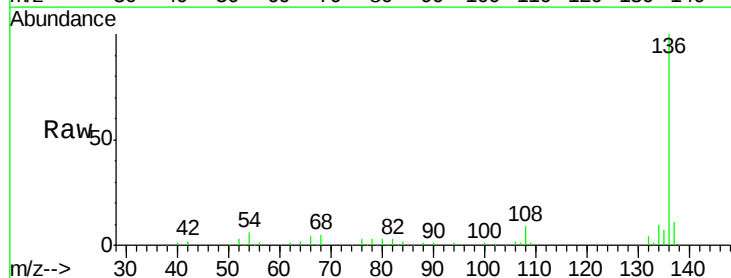
Delta R.T. 0.00 min

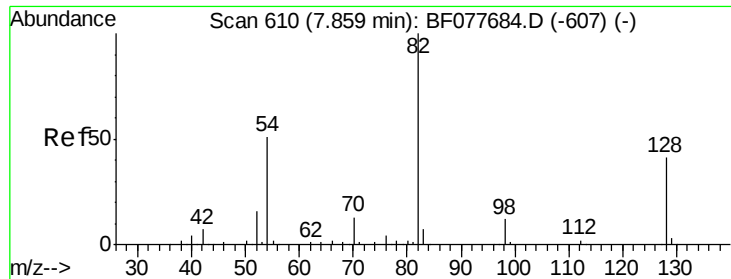
Lab File: BF078114.D

Acq: 31 Mar 2015 15:15

Tgt Ion: 136 Resp: 166646

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 6.0   | 4.6   | 6.8   |
| 68  | 4.7   | 3.7   | 5.5   |

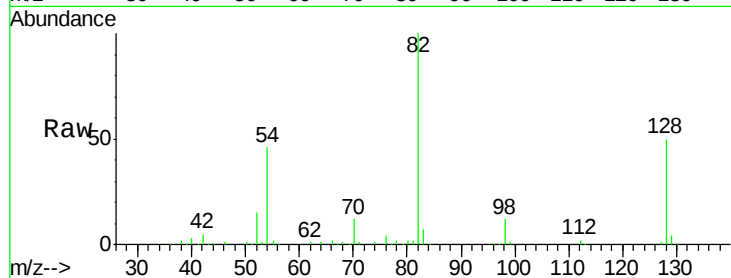




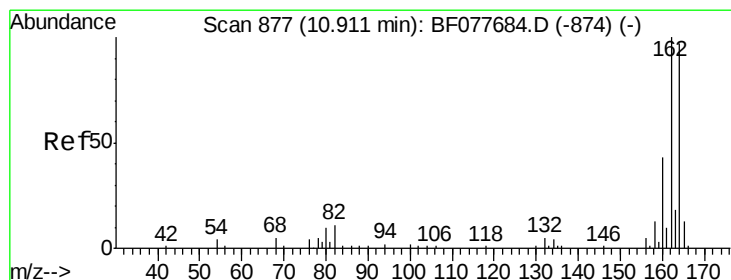
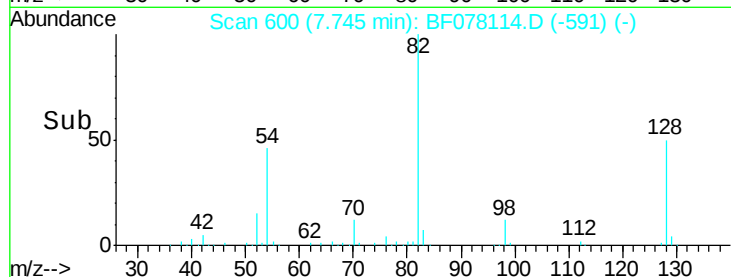
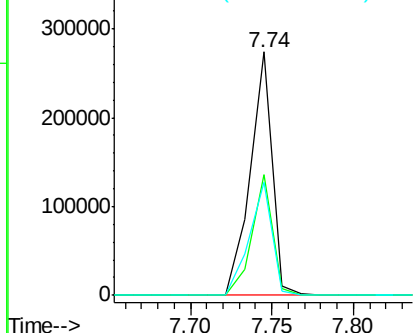
#23  
 Nitrobenzene-d5  
 Concen: 100.59 ng  
 RT: 7.74 min Scan# 600  
 Delta R.T. 0.00 min  
 Lab File: BF078114.D  
 Acq: 31 Mar 2015 15:15

Instrument :  
 BNA\_F  
 ClientSampleID :  
 S-4(0-10)

Tot Ion: 82 Resp: 255733  
 Ion Ratio Lower Upper  
 82 100  
 128 49.5 32.8 49.2#  
 54 46.2 40.6 60.8

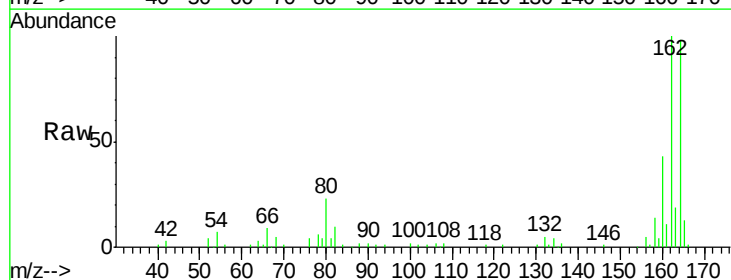


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

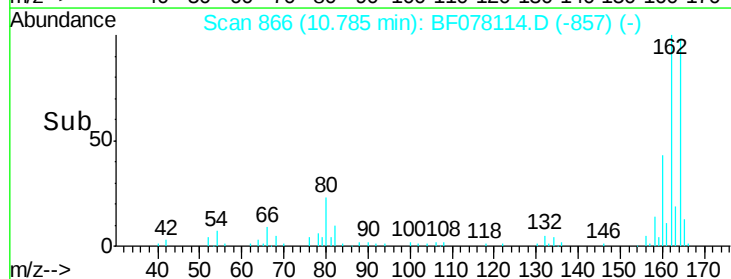
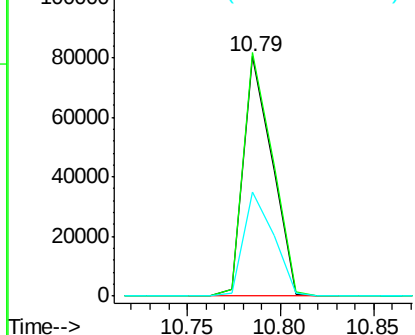


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.79 min Scan# 866  
 Delta R.T. 0.00 min  
 Lab File: BF078114.D  
 Acq: 31 Mar 2015 15:15

Tgt Ion:164 Resp: 86117  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 82.4 123.6  
 160 43.7 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

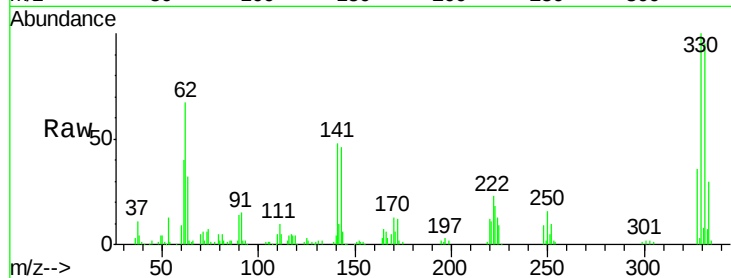




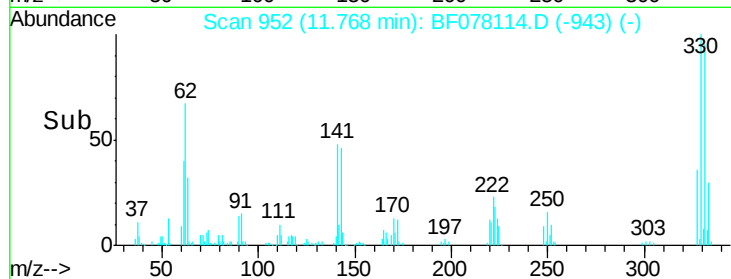
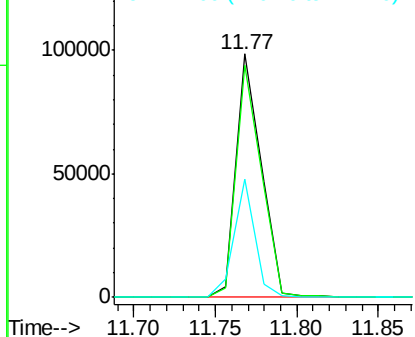
#41  
 2,4,6-Tribromophenol  
 Concen: 127.27 ng  
 RT: 11.77 min Scan# 952  
 Delta R.T. 0.00 min  
 Lab File: BF078114.D  
 Acq: 31 Mar 2015 15:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-4(0-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 0.0   | 0.0#  |
| 141     | 40.0  | 0.0   | 0.0#  |

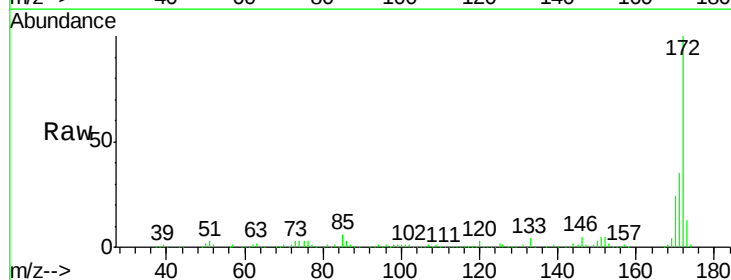


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

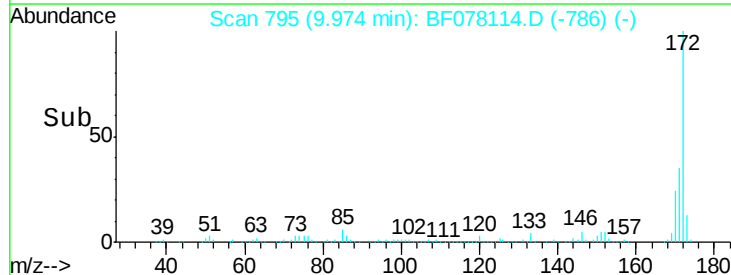
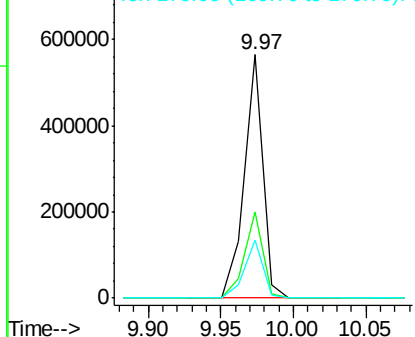


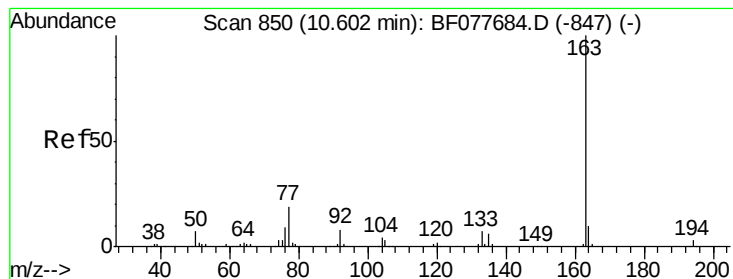
#44  
 2-Fluorobiphenyl  
 Concen: 85.51 ng  
 RT: 9.97 min Scan# 795  
 Delta R.T. 0.00 min  
 Lab File: BF078114.D  
 Acq: 31 Mar 2015 15:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.5  | 42.7  |
| 170     | 23.6  | 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





#49

Dimethylphthalate

Concen: 2.09 ng

RT: 10.49 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF078114.D

Acq: 31 Mar 2015 15:15

Instrument :

BNA\_F

ClientSampleId :

S-4(0-10)

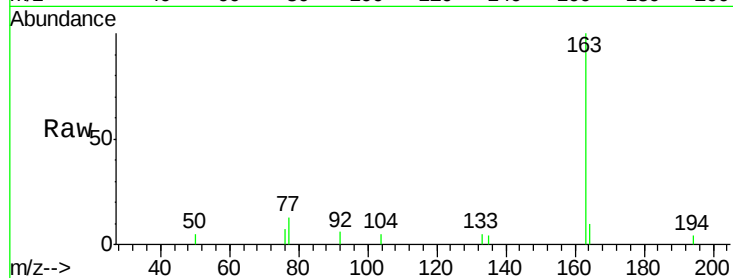
Tot Ion:163 Resp: 13364

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

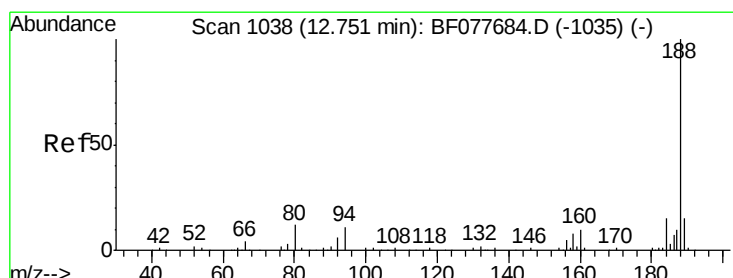
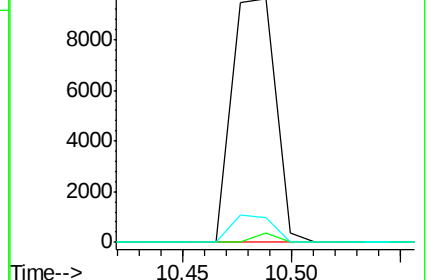
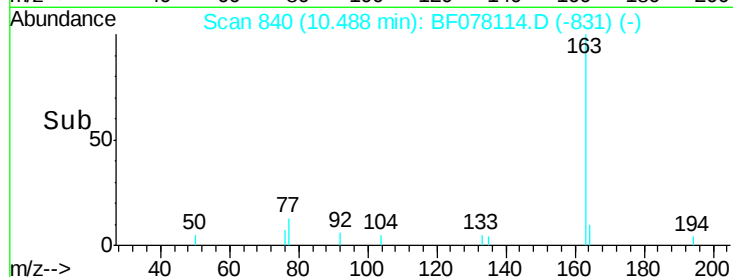
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.63 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF078114.D

Acq: 31 Mar 2015 15:15

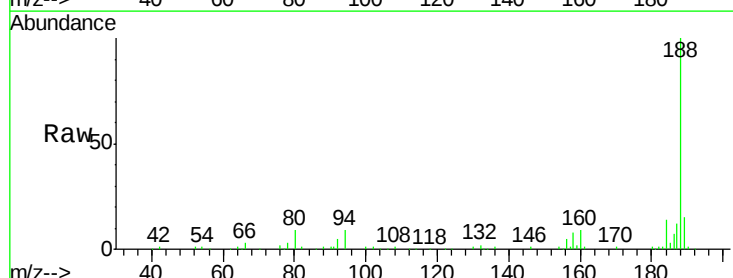
Tgt Ion:188 Resp: 175681

Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

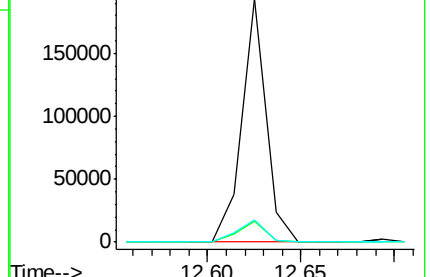
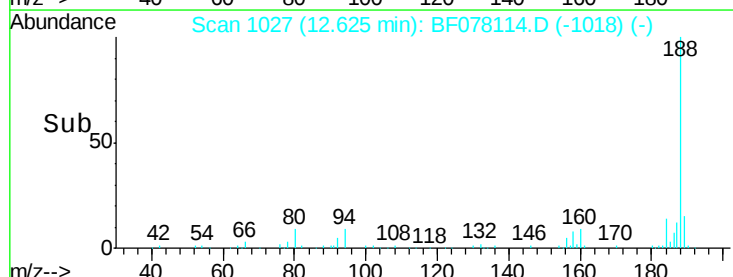
80 9.1 9.3 13.9#

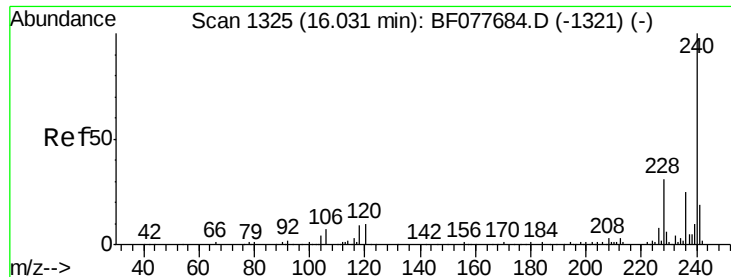


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

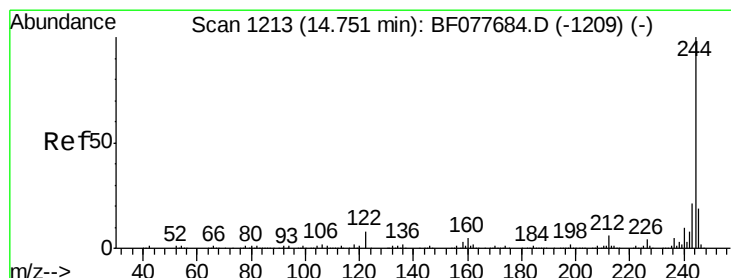
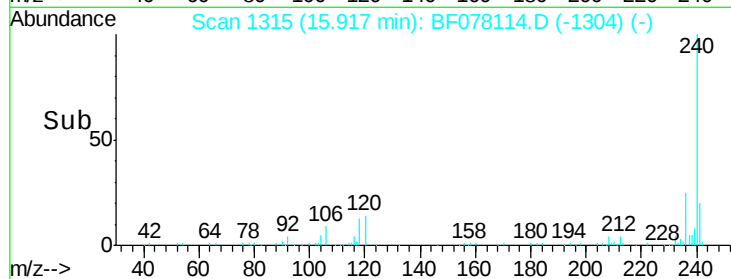
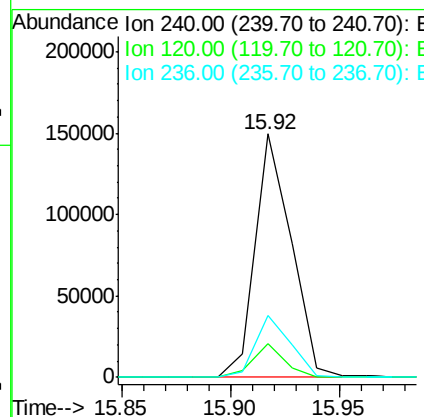
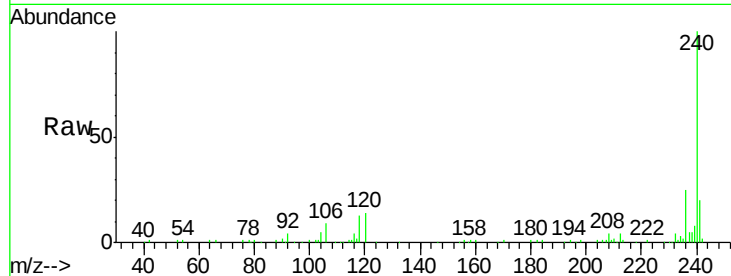




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.92 min Scan# 1315  
 Delta R.T. 0.02 min  
 Lab File: BF078114.D  
 Acq: 31 Mar 2015 15:15

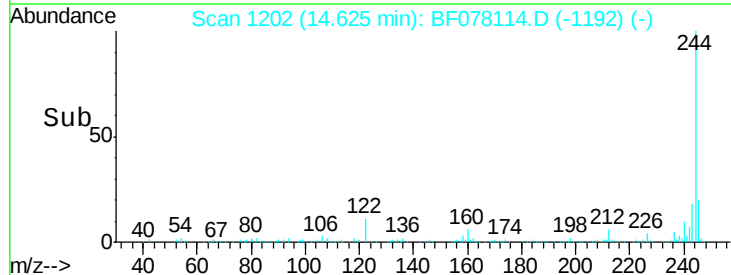
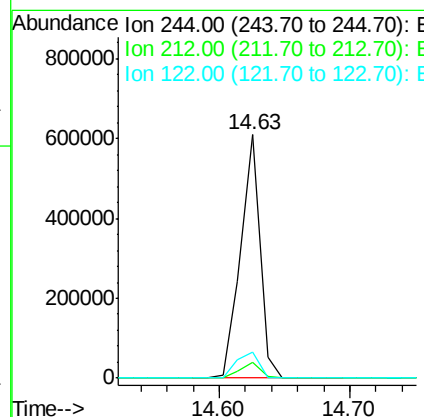
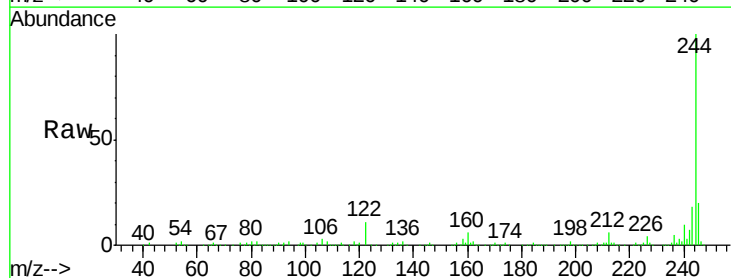
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-4(0-10)

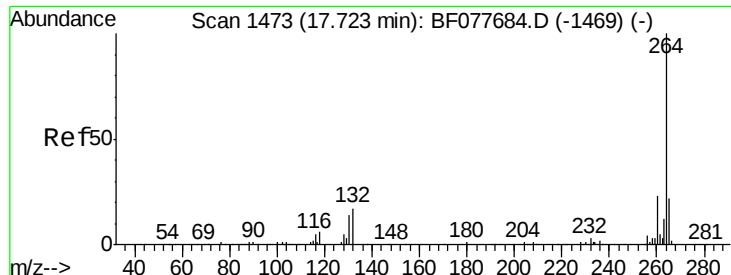
Tot Ion:240 Resp: 173445  
 Ion Ratio Lower Upper  
 240 100  
 120 13.8 8.2 12.2#  
 236 25.4 20.0 30.0



#78  
 Terphenyl-d14  
 Concen: 88.27 ng  
 RT: 14.63 min Scan# 1202  
 Delta R.T. 0.01 min  
 Lab File: BF078114.D  
 Acq: 31 Mar 2015 15:15

Tgt Ion:244 Resp: 626759  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 4.9 7.3  
 122 10.5 6.2 9.4#

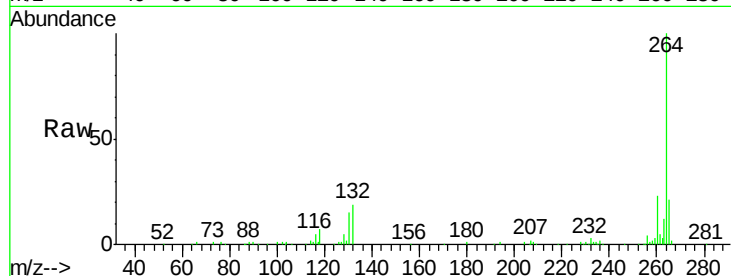




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.73 min Scan# 1474  
Delta R.T. 0.13 min  
Lab File: BF078114.D  
Acq: 31 Mar 2015 15:15

Instrument :  
BNA\_F  
ClientSampleId :  
S-4(0-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 18.6  | 27.8  |
| 265     | 20.9  | 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

