

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032715\  
 Data File : BF078060.D  
 Acq On : 28 Mar 2015 4:33  
 Operator : TP/IZ  
 Sample : G1672-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-100-32615

Quant Time: Mar 28 05:42:24 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 28 05:39:24 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.07  | 152  | 39975    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.65  | 136  | 165902   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.82 | 164  | 80836    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.65 | 188  | 164965   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.93 | 240  | 172424   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 17.68 | 264  | 170435   | 20.00  | ng    | 0.06     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 120786   | 52.74  | ng    | 0.00     |
| 7) Phenol-d6                | 6.67  | 99   | 88769    | 31.37  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.77  | 82   | 219910   | 86.89  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 11.80 | 330  | 98824    | 127.77 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.00 | 172  | 488911   | 88.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.65 | 244  | 577835   | 81.86  | ng    | 0.00     |

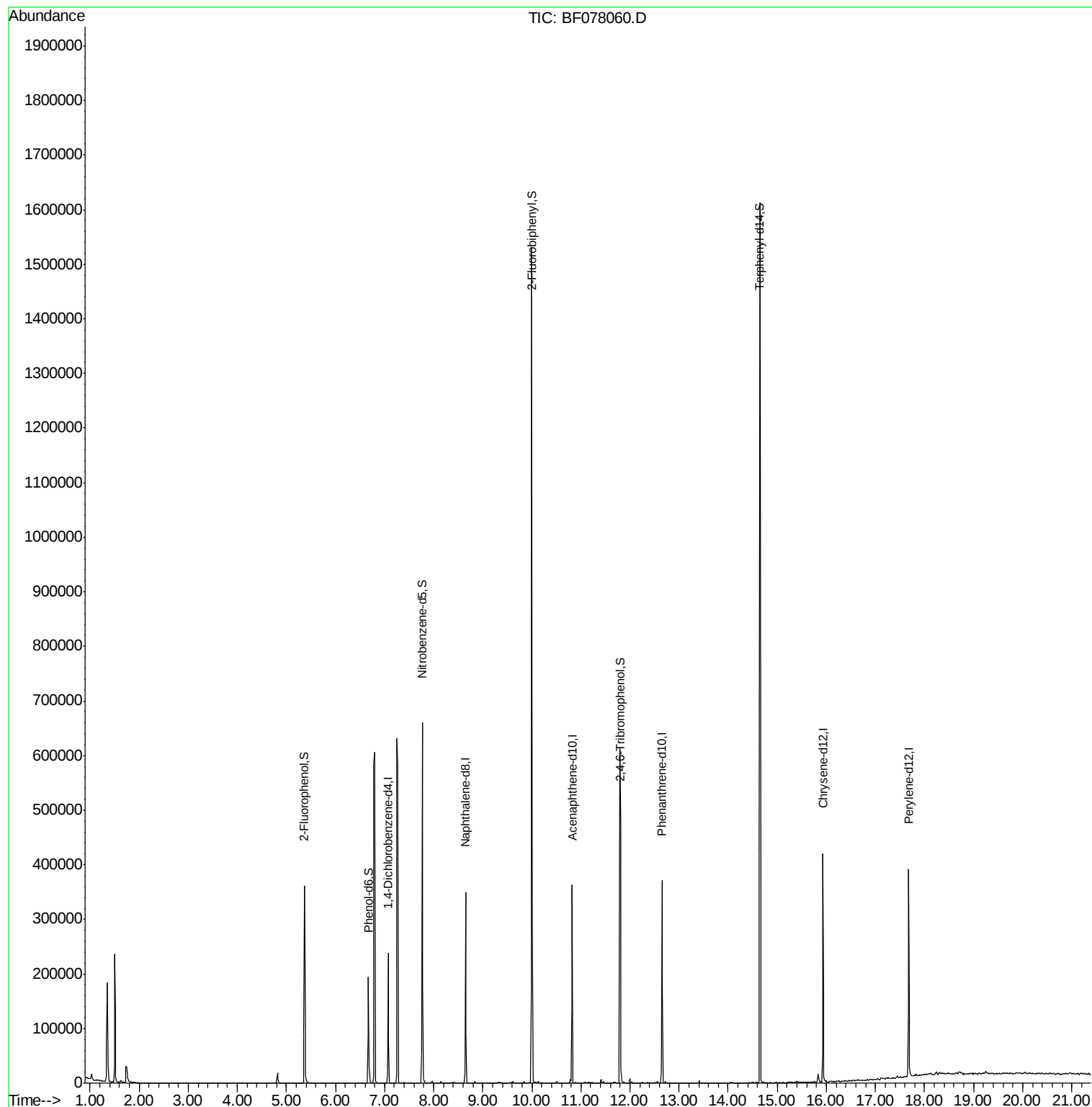
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

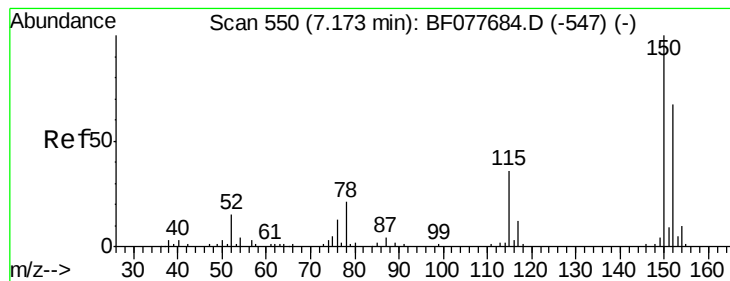
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
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QLast Update : Sat Mar 28 05:39:24 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF078060.D

Acq: 28 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-100-32615

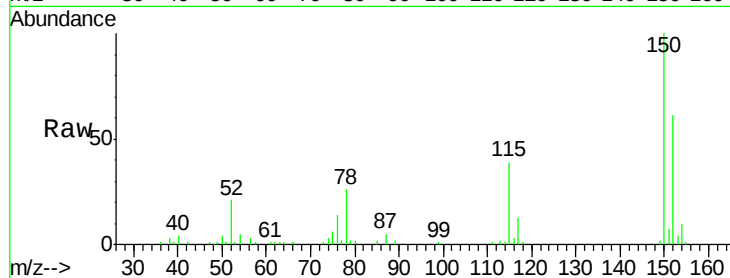
Tgt Ion:152 Resp: 39975

Ion Ratio Lower Upper

152 100

150 162.8 119.5 179.3

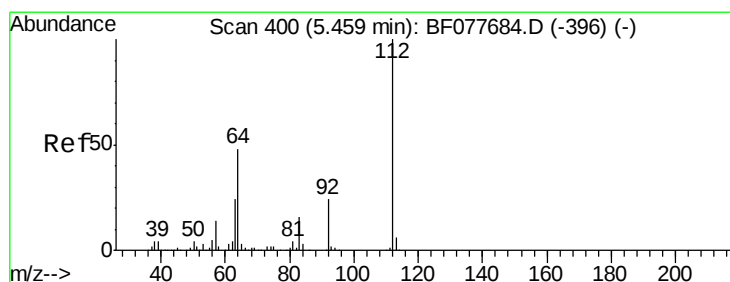
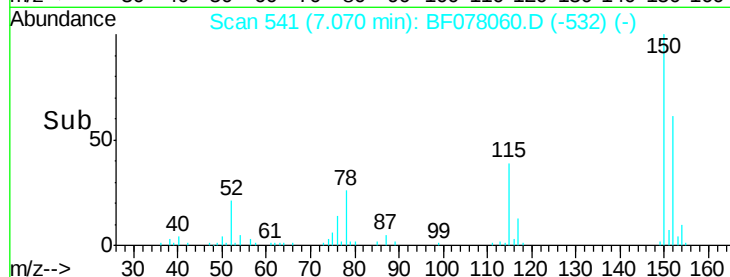
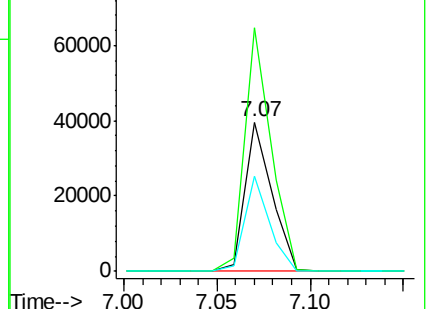
115 63.5 43.0 64.4



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: 52.74 ng

RT: 5.37 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF078060.D

Acq: 28 Mar 2015 4:33

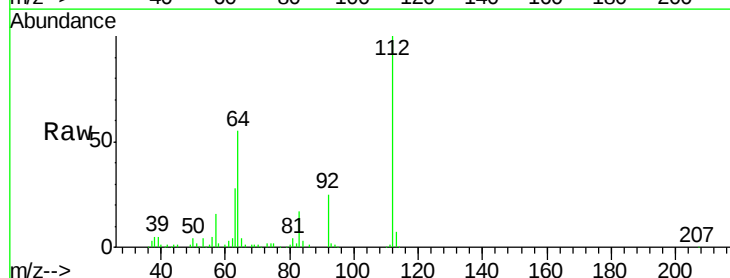
Tgt Ion:112 Resp: 120786

Ion Ratio Lower Upper

112 100

64 54.8 38.6 57.8

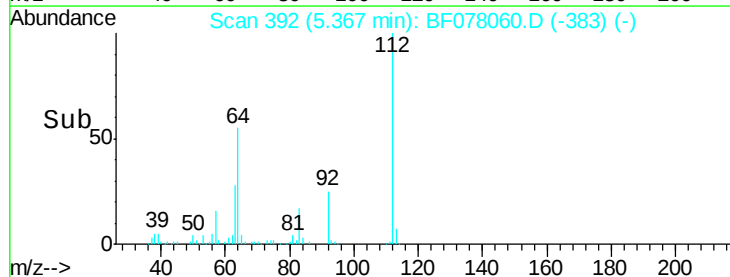
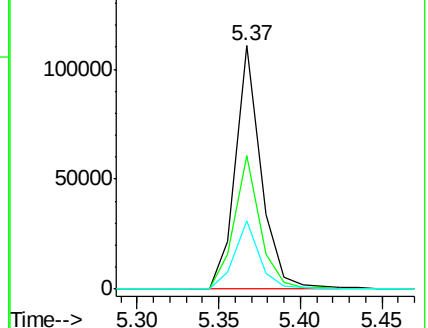
63 28.1 19.3 28.9

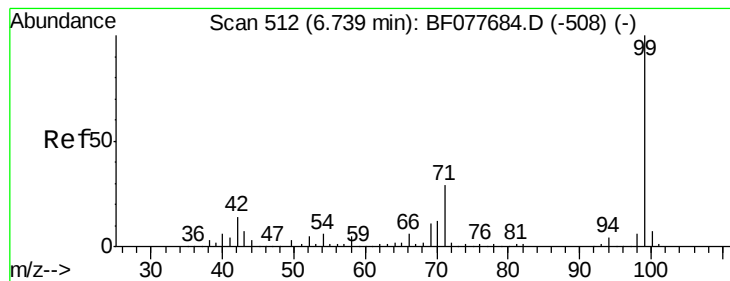


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.37 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF078060.D

Acq: 28 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

DCW-WW-100-32615

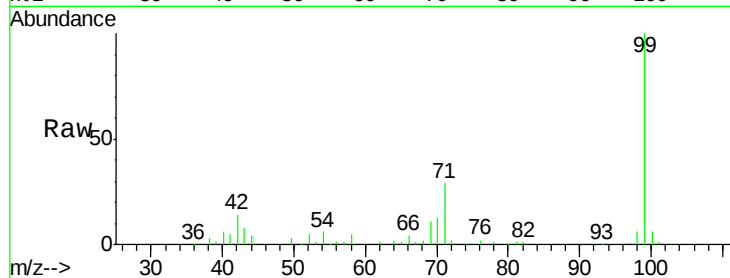
Tgt Ion: 99 Resp: 88769

Ion Ratio Lower Upper

99 100

42 14.1 11.0 16.4

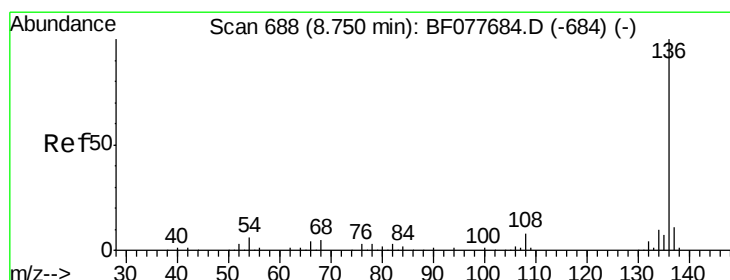
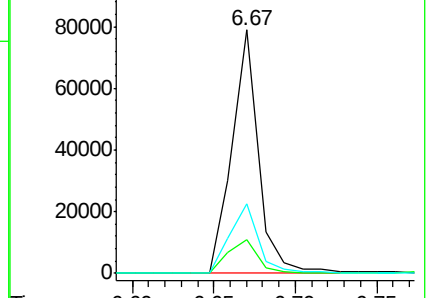
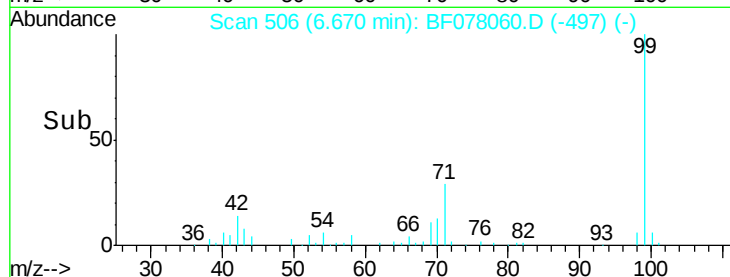
71 28.6 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF077684.D (-508) (-)

Ion 42.00 (41.70 to 42.70): BF077684.D (-508) (-)

Ion 71.00 (70.70 to 71.70): BF077684.D (-508) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.65 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF078060.D

Acq: 28 Mar 2015 4:33

Tgt Ion: 136 Resp: 165902

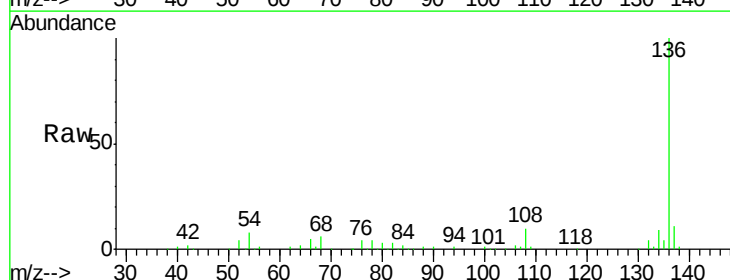
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.6 4.6 6.8#

68 6.2 3.7 5.5#

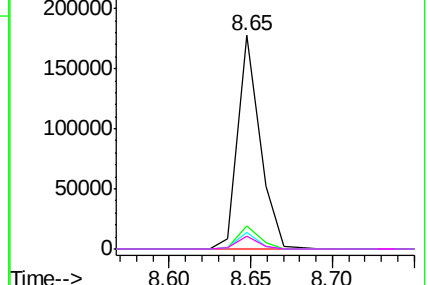
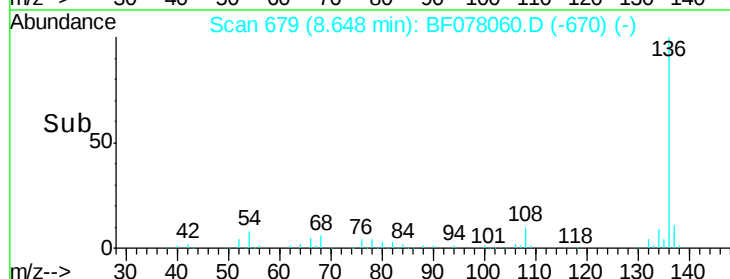


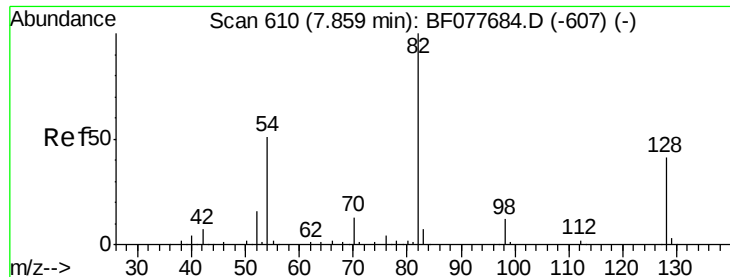
Abundance Ion 136.00 (135.70 to 136.70): BF077684.D (-684) (-)

Ion 137.00 (136.70 to 137.70): BF077684.D (-684) (-)

Ion 54.00 (53.70 to 54.70): BF077684.D (-684) (-)

Ion 68.00 (67.70 to 68.70): BF077684.D (-684) (-)

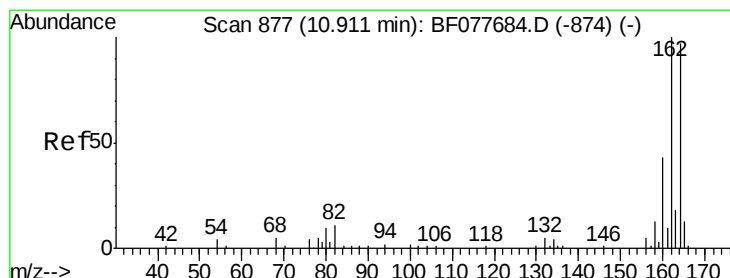
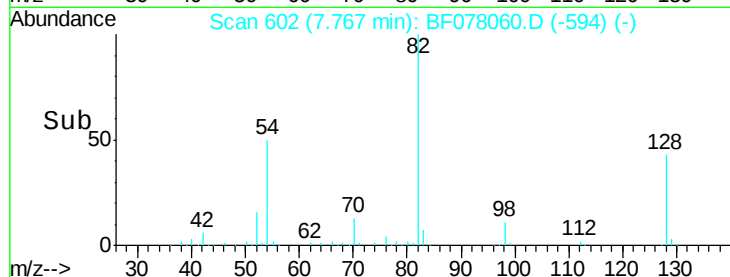
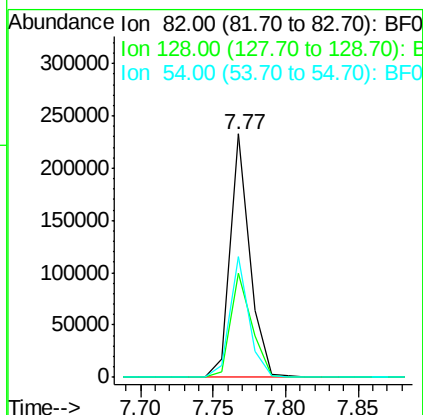
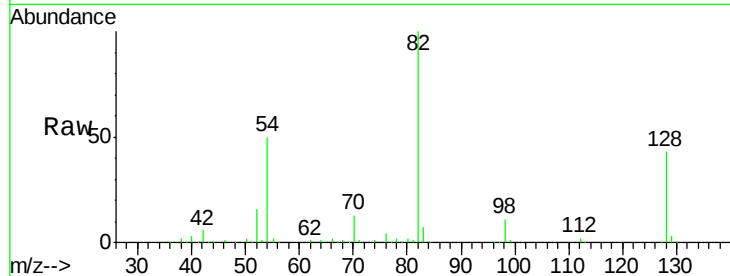




#23  
 Nitrobenzene-d5  
 Concen: 86.89 ng  
 RT: 7.77 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: BF078060.D  
 Acq: 28 Mar 2015 4:33

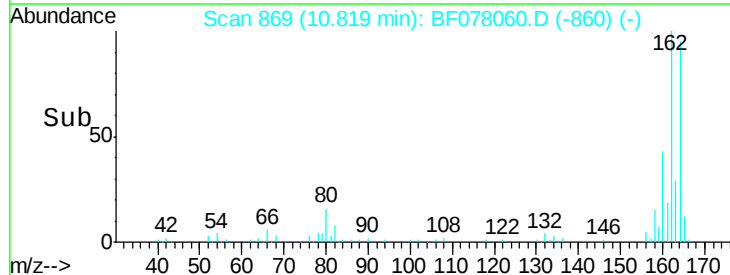
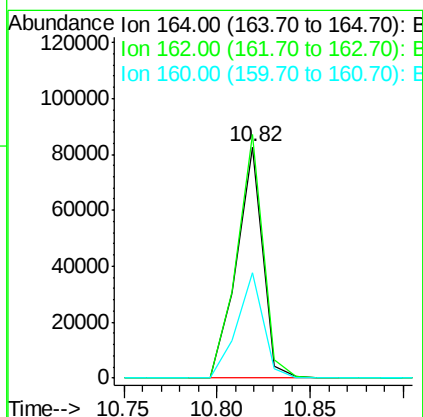
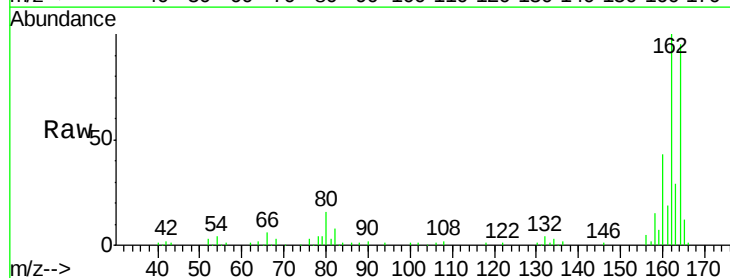
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-100-32615

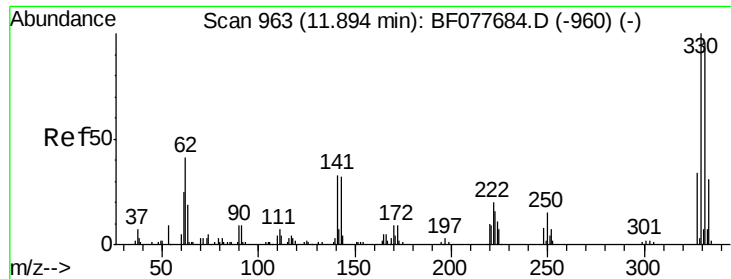
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.6  | 32.8  | 49.2  |
| 54      | 49.7  | 40.6  | 60.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.82 min Scan# 869  
 Delta R.T. -0.00 min  
 Lab File: BF078060.D  
 Acq: 28 Mar 2015 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.4 | 82.4  | 123.6 |
| 160     | 45.3  | 35.8  | 53.6  |

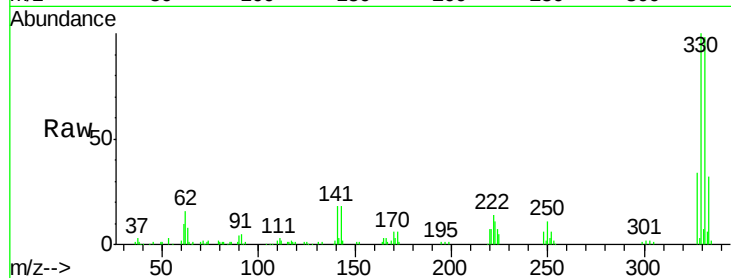




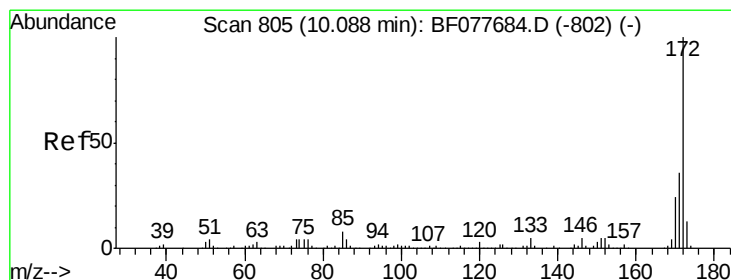
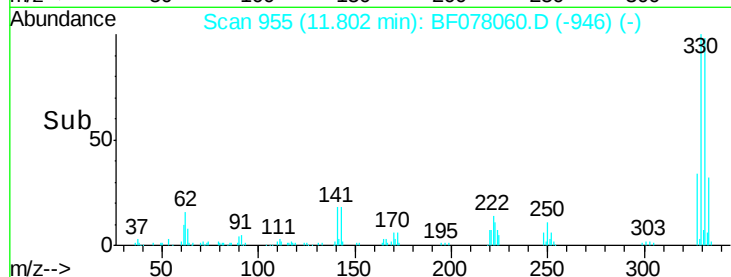
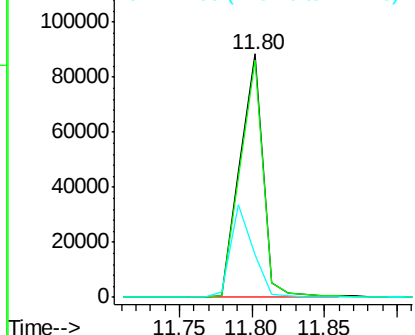
#41  
 2,4,6-Tribromophenol  
 Concen: 127.77 ng  
 RT: 11.80 min Scan# 955  
 Delta R.T. -0.00 min  
 Lab File: BF078060.D  
 Acq: 28 Mar 2015 4:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-100-32615

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 0.0   | 0.0#  |
| 141     | 36.4  | 0.0   | 0.0#  |

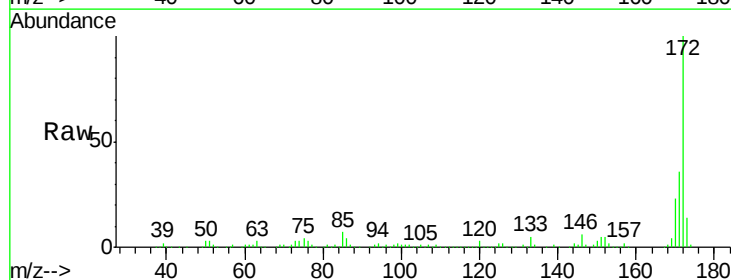


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

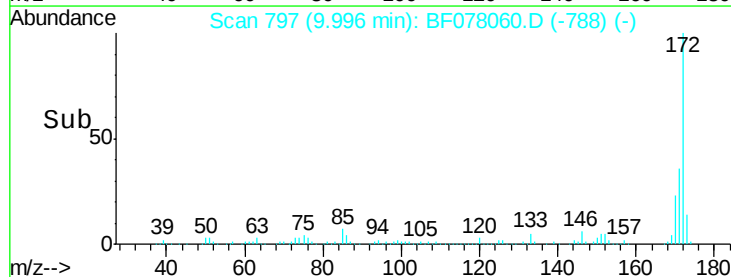
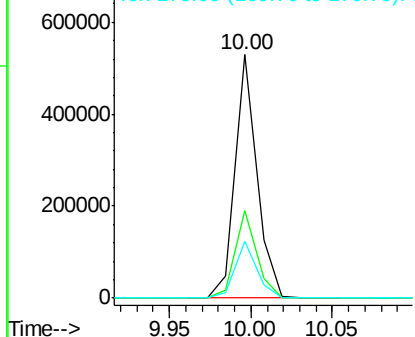


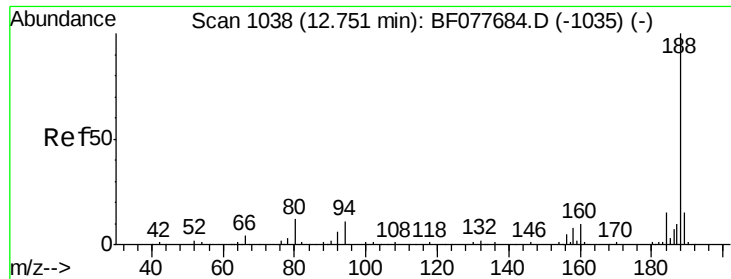
#44  
 2-Fluorobiphenyl  
 Concen: 88.88 ng  
 RT: 10.00 min Scan# 797  
 Delta R.T. -0.00 min  
 Lab File: BF078060.D  
 Acq: 28 Mar 2015 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.5  | 42.7  |
| 170     | 23.5  | 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

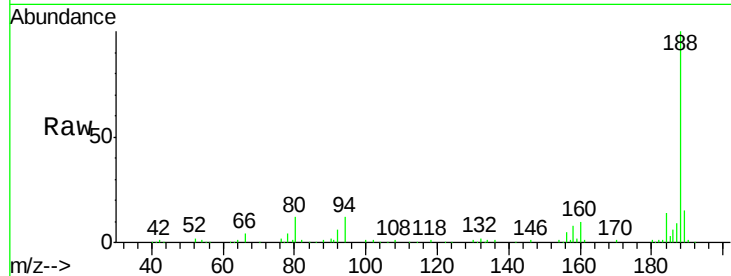




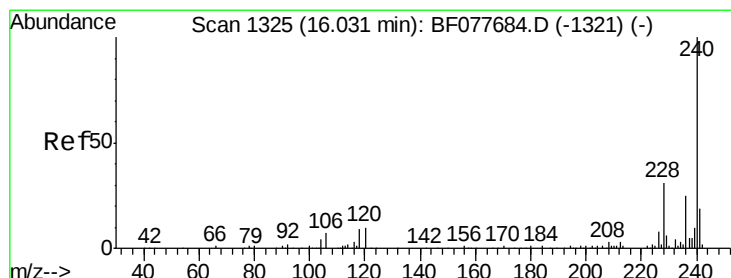
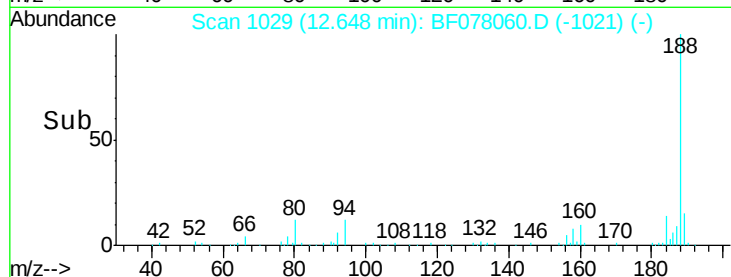
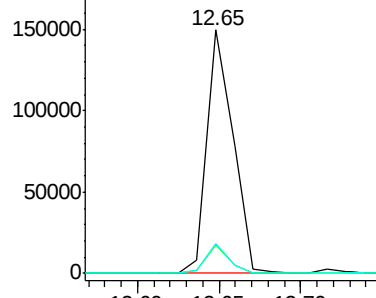
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.65 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF078060.D  
Acq: 28 Mar 2015 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
DCW-WW-100-32615

Tgt Ion:188 Resp: 164965  
Ion Ratio Lower Upper  
188 100  
94 11.5 8.7 13.1  
80 12.1 9.3 13.9

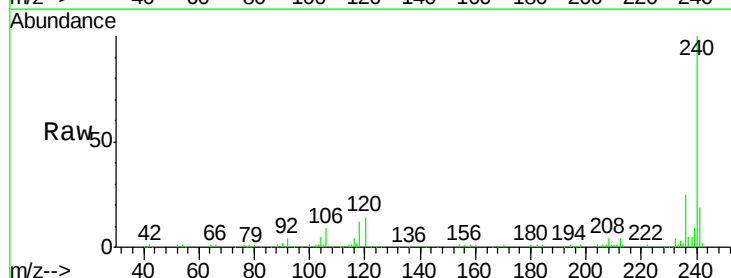


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

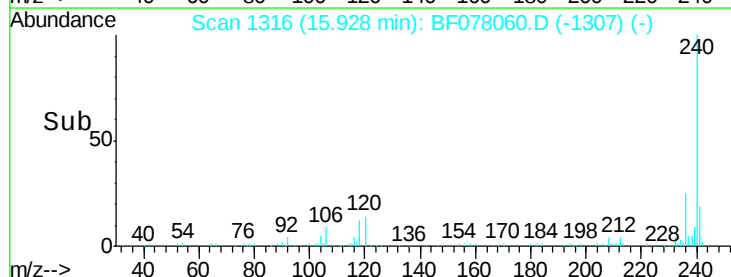
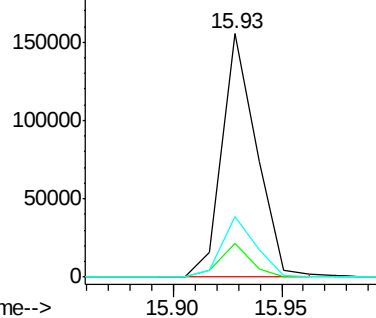


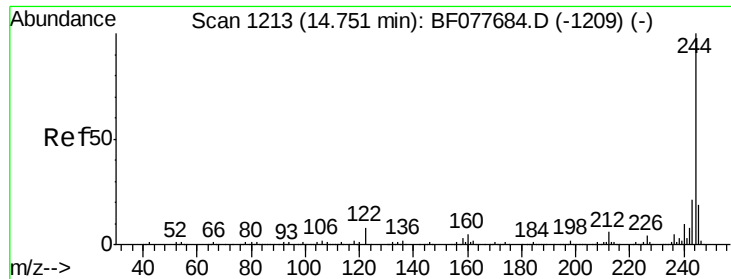
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.93 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: BF078060.D  
Acq: 28 Mar 2015 4:33

Tgt Ion:240 Resp: 172424  
Ion Ratio Lower Upper  
240 100  
120 13.6 8.2 12.2#  
236 25.0 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

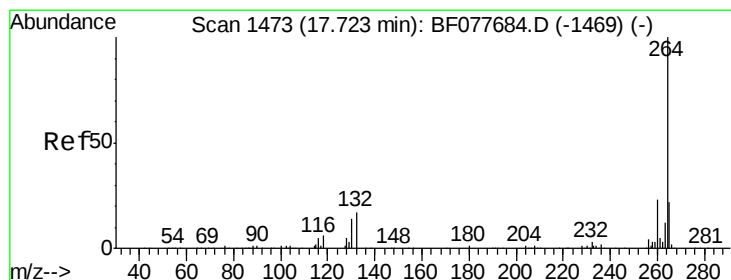
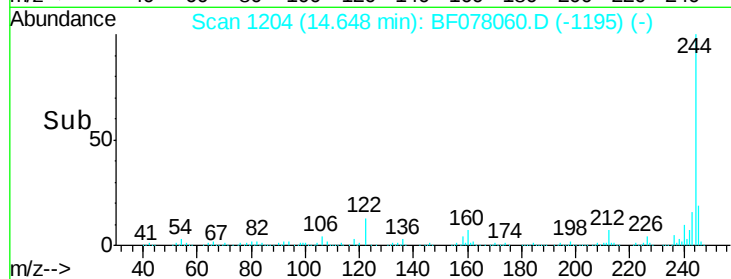
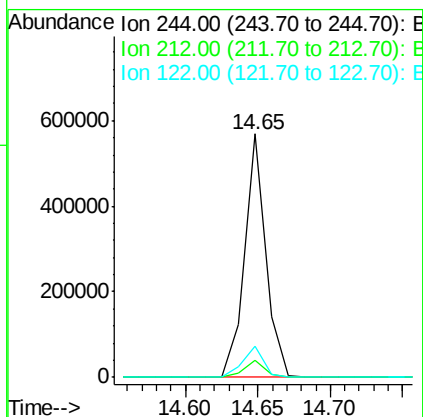
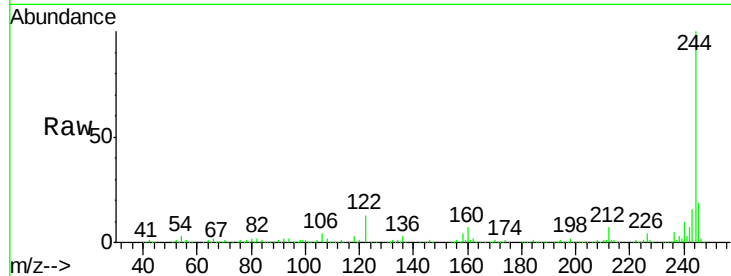




#78  
 Terphenyl-d14  
 Concen: 81.86 ng  
 RT: 14.65 min Scan# 1204  
 Delta R.T. -0.00 min  
 Lab File: BF078060.D  
 Acq: 28 Mar 2015 4:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DCW-WW-100-32615

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 4.9   | 7.3   |
| 122     | 12.7  | 6.2   | 9.4   |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.68 min Scan# 1469  
 Delta R.T. 0.06 min  
 Lab File: BF078060.D  
 Acq: 28 Mar 2015 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.6  | 27.8  |
| 265     | 21.3  | 17.3  | 25.9  |

