

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\  
 Data File : BF078377.D  
 Acq On : 10 Apr 2015 2:05  
 Operator : TP/IZ  
 Sample : G1782-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(2)

Quant Time: Apr 10 02:06:56 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 10 01:53:29 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 48986    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.46  | 136  | 200362   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.63 | 164  | 103346   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.44 | 188  | 199964   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 15.71 | 240  | 205277   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 17.38 | 264  | 197524   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.15  | 112  | 119783   | 40.32 | ng    | 0.01     |
| 7) Phenol-d6                | 6.48  | 99   | 164118   | 44.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.58  | 82   | 94642    | 28.63 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.60 | 330  | 36215    | 42.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.81  | 172  | 207866   | 28.75 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.44 | 244  | 242032   | 26.64 | ng    | 0.00     |

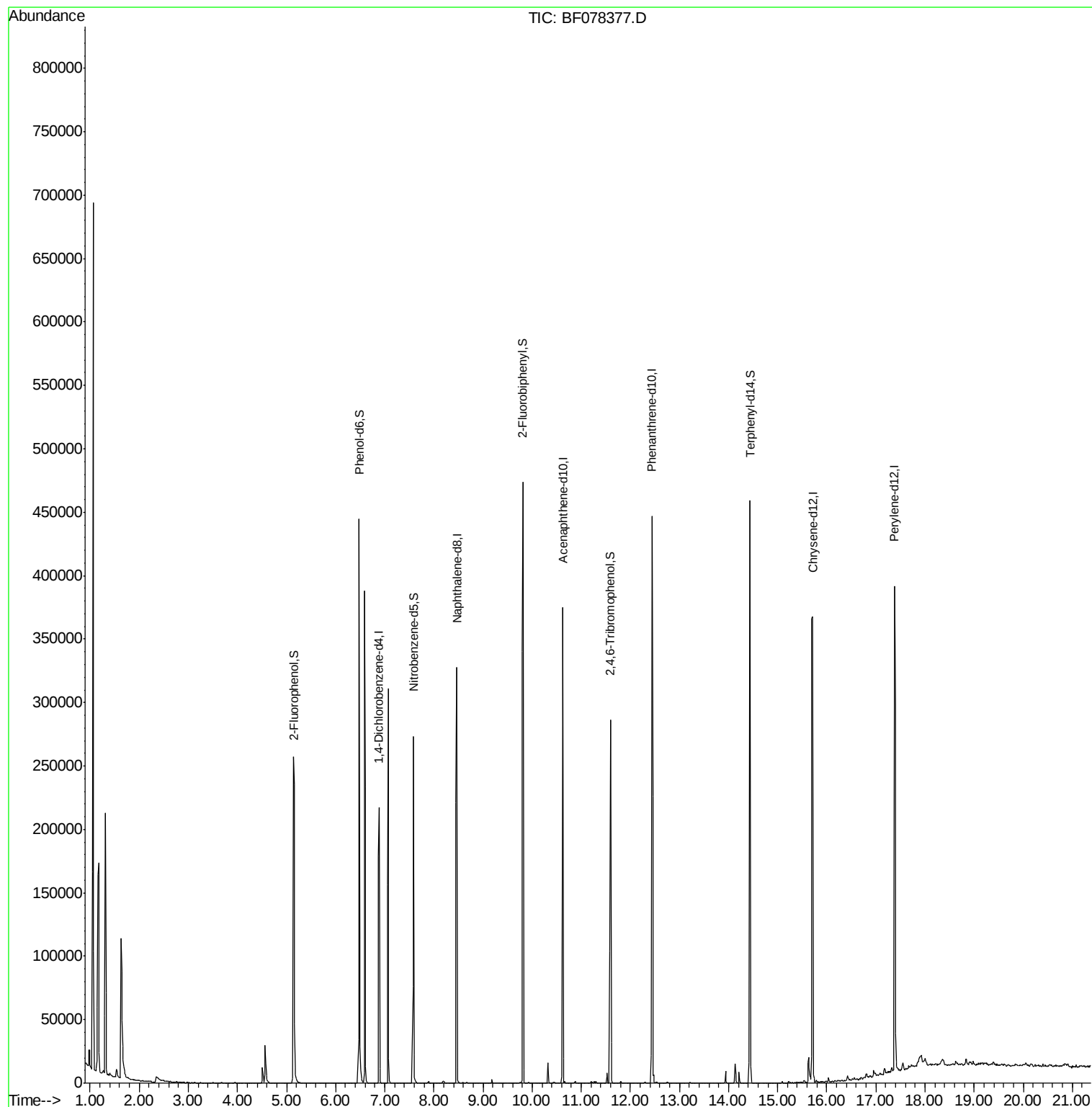
Target Compounds Qvalue

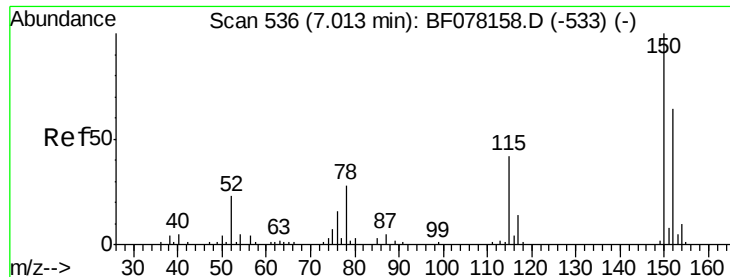
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\  
Data File : BF078377.D  
Acq On : 10 Apr 2015 2:05  
Operator : TP/IZ  
Sample : G1782-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB08(2)

Quant Time: Apr 10 02:06:56 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 10 01:53:29 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF078377.D

Acq: 10 Apr 2015 2:05

Instrument :

BNA\_F

ClientSampleId :

SB08(2)

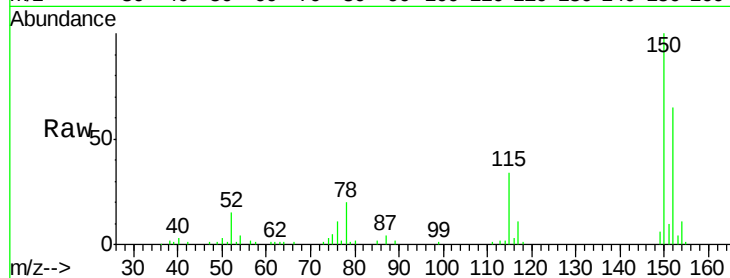
Tot Ion:152 Resp: 48986

Ion Ratio Lower Upper

152 100

150 153.1 125.9 188.9

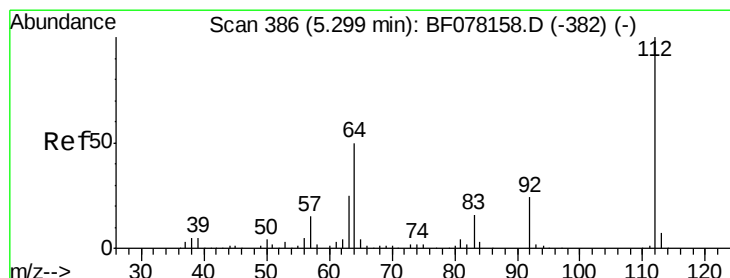
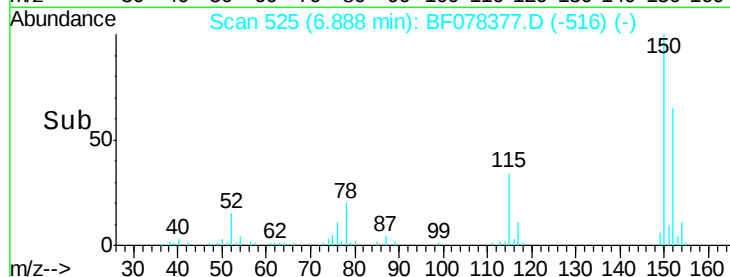
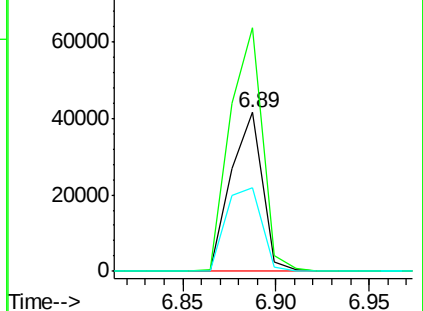
115 52.6 52.7 79.1#



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: 40.32 ng

RT: 5.15 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF078377.D

Acq: 10 Apr 2015 2:05

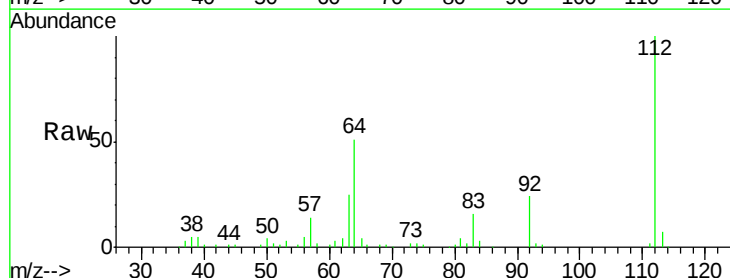
Tgt Ion:112 Resp: 119783

Ion Ratio Lower Upper

112 100

64 50.7 39.9 59.9

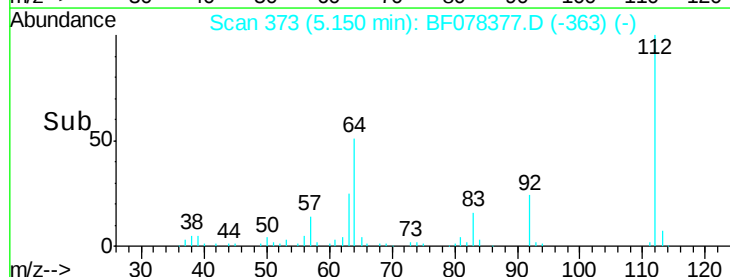
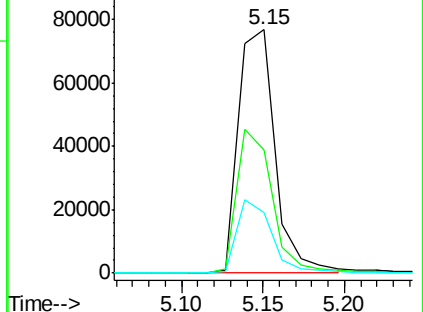
63 24.9 20.2 30.4



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: 44.08 ng

RT: 6.48 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF078377.D

Acq: 10 Apr 2015 2:05

Instrument :

BNA\_F

ClientSampleId :

SB08(2)

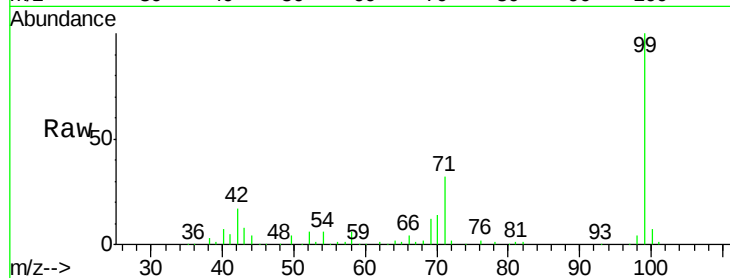
Tot Ion: 99 Resp: 164118

Ion Ratio Lower Upper

99 100

42 16.7 14.8 22.2

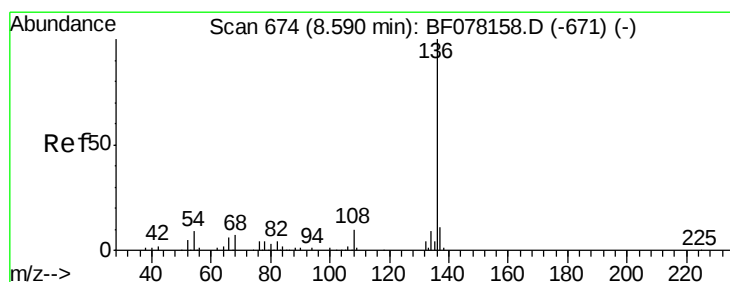
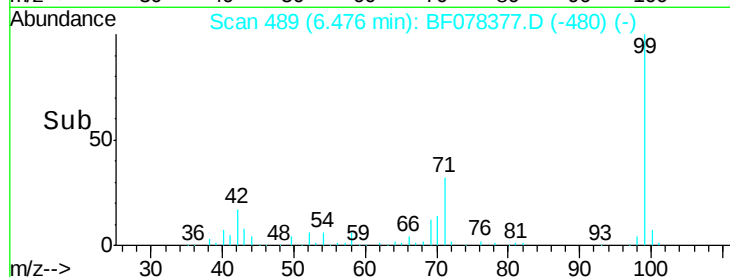
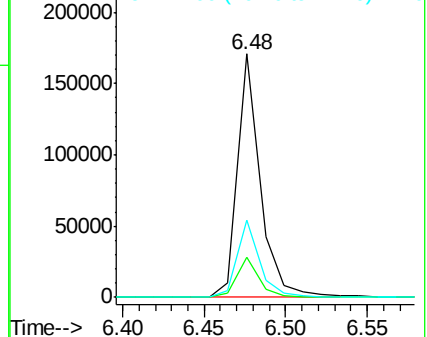
71 31.7 26.6 39.8



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: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF078377.D

Acq: 10 Apr 2015 2:05

Tgt Ion: 136 Resp: 200362

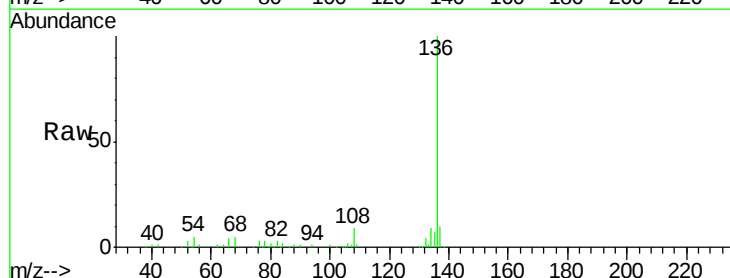
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.2 7.0 10.6#

68 4.5 5.4 8.2#

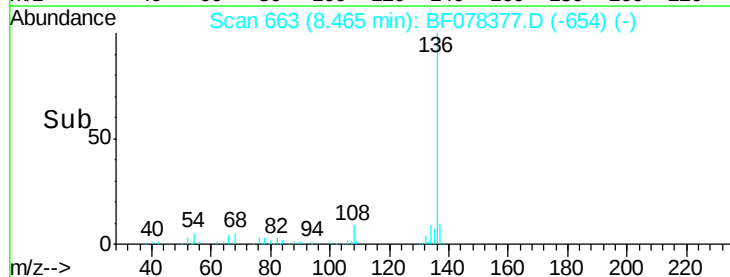
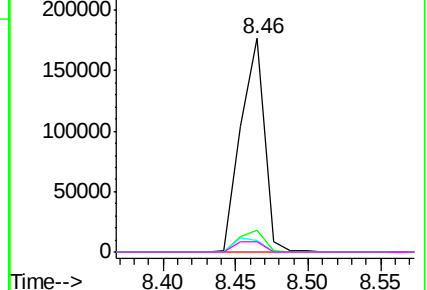


Abundance Ion 136.00 (135.70 to 136.70): E

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

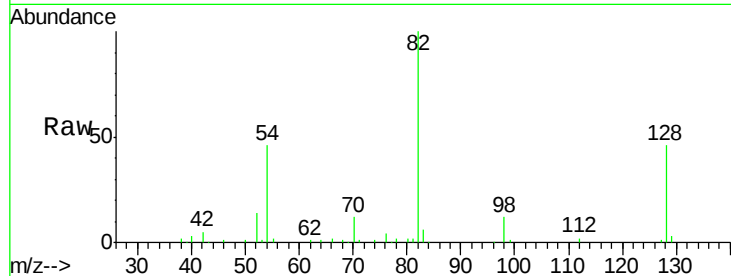




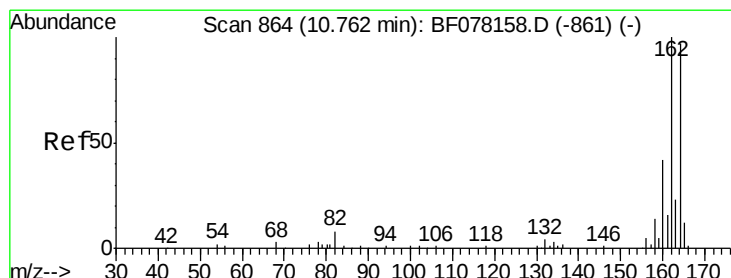
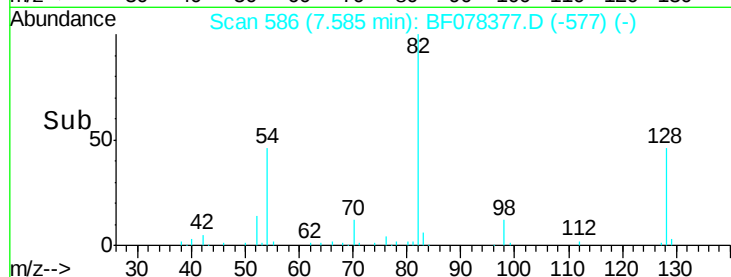
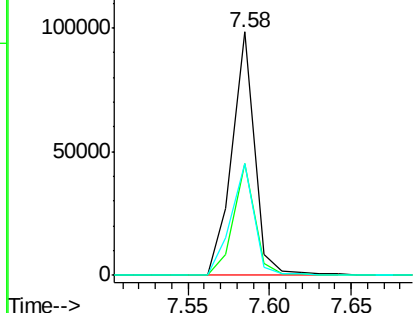
#23  
 Nitrobenzene-d5  
 Concen: 28.63 ng  
 RT: 7.58 min Scan# 586  
 Delta R.T. 0.00 min  
 Lab File: BF078377.D  
 Acq: 10 Apr 2015 2:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(2)

Tot Ion: 82 Resp: 94642  
 Ion Ratio Lower Upper  
 82 100  
 128 46.1 31.8 47.8  
 54 45.7 41.5 62.3

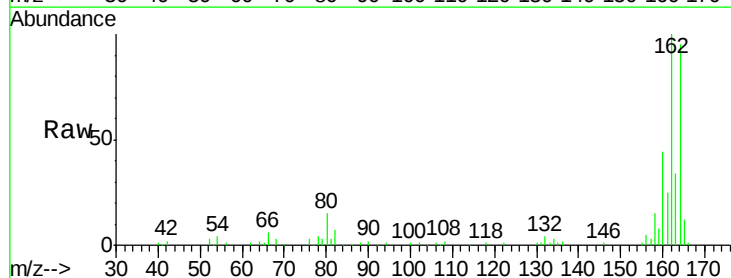


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

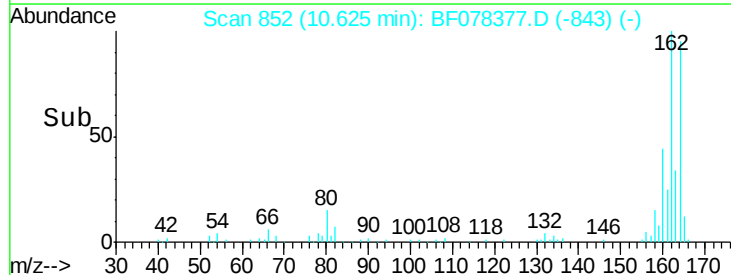
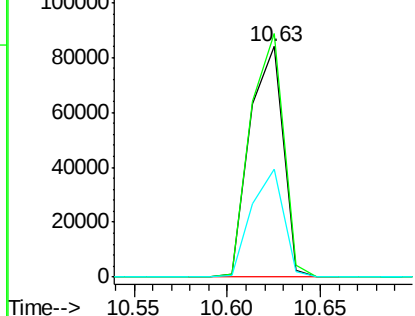


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.63 min Scan# 852  
 Delta R.T. 0.00 min  
 Lab File: BF078377.D  
 Acq: 10 Apr 2015 2:05

Tgt Ion:164 Resp: 103346  
 Ion Ratio Lower Upper  
 164 100  
 162 105.7 82.2 123.2  
 160 46.7 34.7 52.1



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

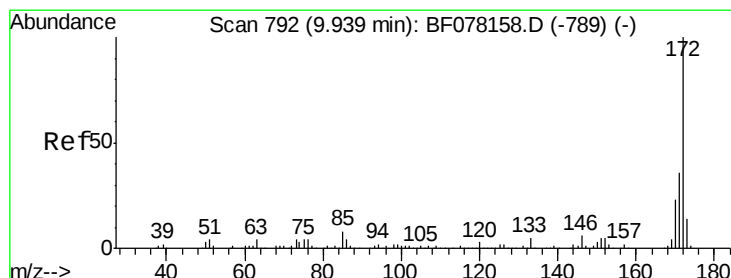
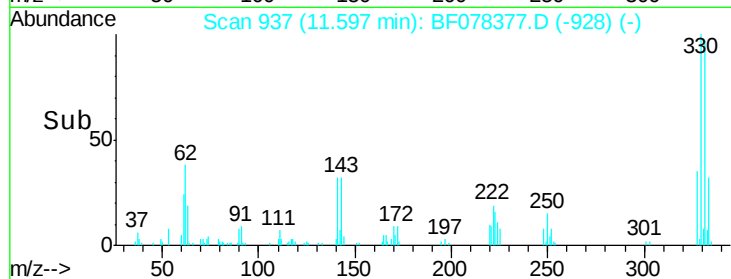
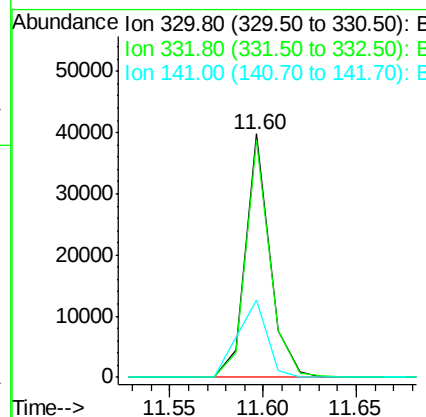
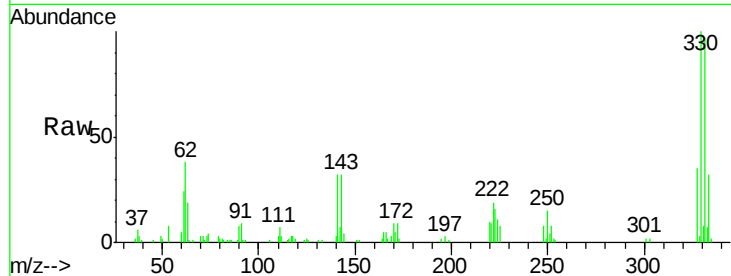




#41  
 2,4,6-Tribromophenol  
 Concen: 42.25 ng  
 RT: 11.60 min Scan# 937  
 Delta R.T. 0.00 min  
 Lab File: BF078377.D  
 Acq: 10 Apr 2015 2:05

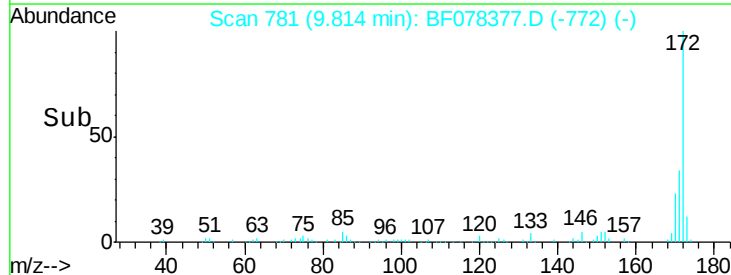
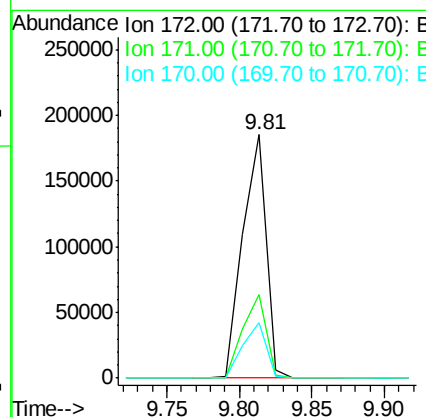
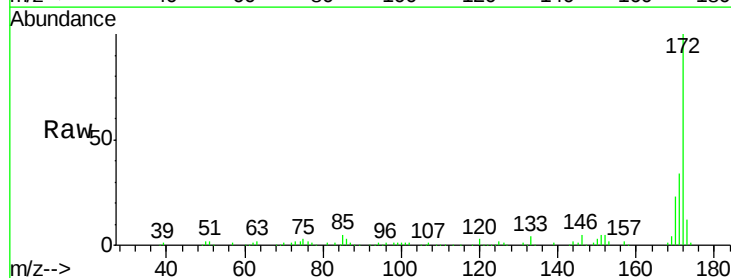
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 78.6  | 117.8 |
| 141     | 38.4  | 31.2  | 46.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 28.75 ng  
 RT: 9.81 min Scan# 781  
 Delta R.T. 0.00 min  
 Lab File: BF078377.D  
 Acq: 10 Apr 2015 2:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 28.6  | 42.8  |
| 170     | 23.0  | 18.5  | 27.7  |

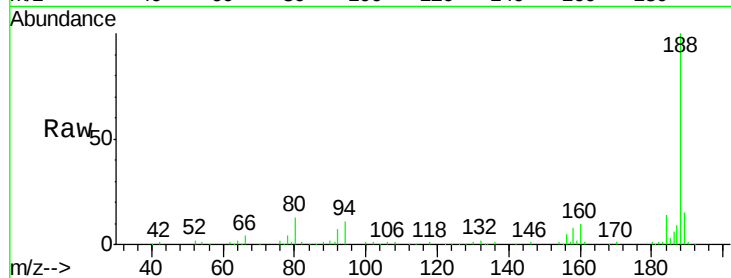




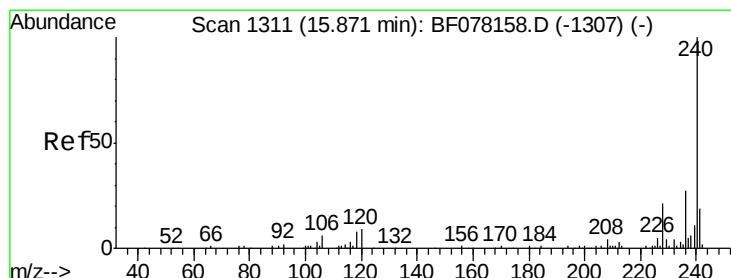
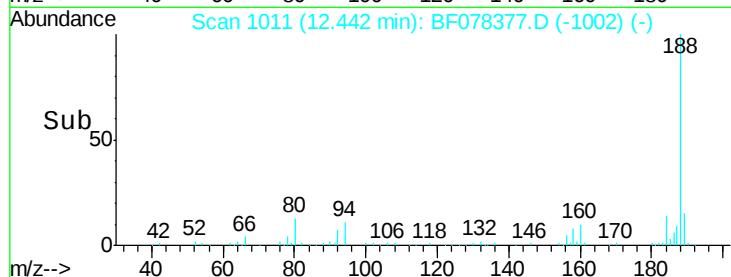
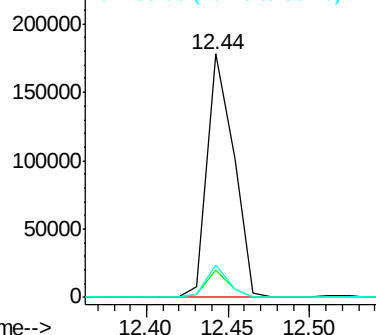
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.44 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: BF078377.D  
Acq: 10 Apr 2015 2:05

Instrument :  
BNA\_F  
ClientSampled :  
SB08(2)

Tot Ion:188 Resp: 199964  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.0 13.4  
80 13.2 9.5 14.3

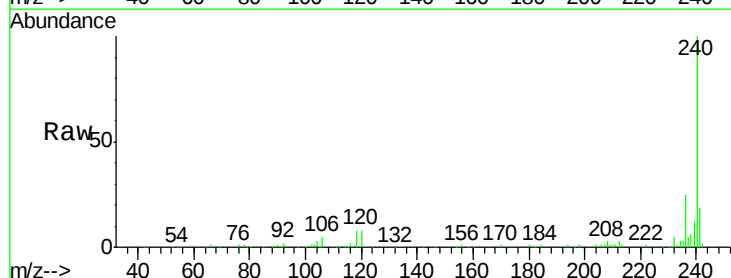


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

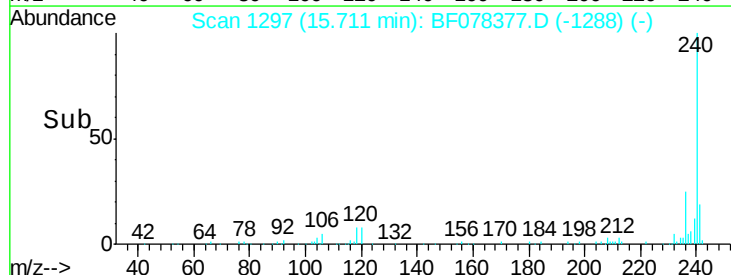
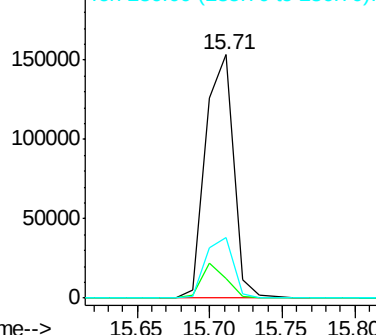


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.71 min Scan# 1297  
Delta R.T. 0.00 min  
Lab File: BF078377.D  
Acq: 10 Apr 2015 2:05

Tgt Ion:240 Resp: 205277  
Ion Ratio Lower Upper  
240 100  
120 8.0 7.1 10.7  
236 25.1 21.4 32.2



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

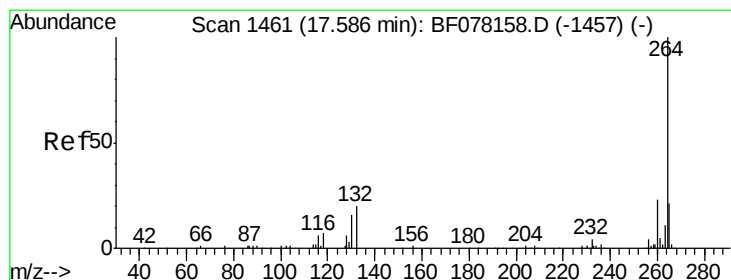
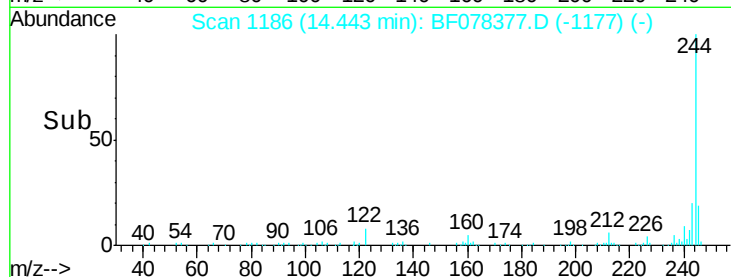
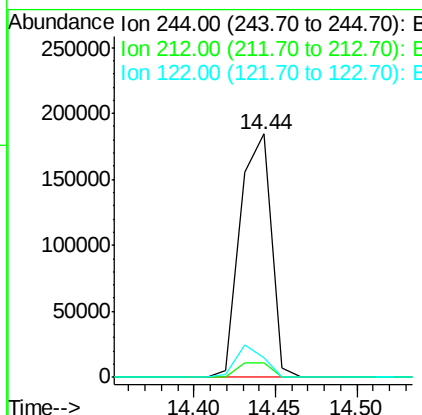
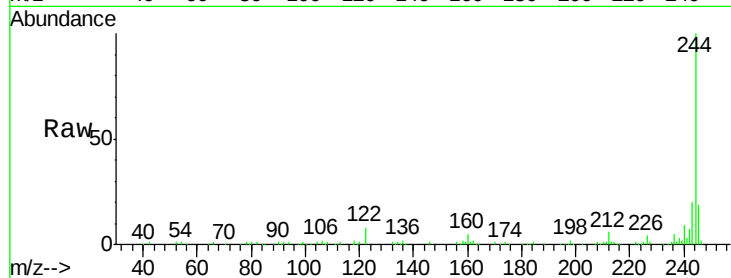




#78  
 Terphenyl-d14  
 Concen: 26.64 ng  
 RT: 14.44 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BF078377.D  
 Acq: 10 Apr 2015 2:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB08(2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 5.8   | 5.0   | 7.4   |
| 122     | 8.0   | 7.1   | 10.7  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.38 min Scan# 1443  
 Delta R.T. -0.03 min  
 Lab File: BF078377.D  
 Acq: 10 Apr 2015 2:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 18.6  | 27.8  |
| 265     | 21.3  | 17.0  | 25.6  |

