

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\  
 Data File : BF078647.D  
 Acq On : 20 Apr 2015 16:36  
 Operator : TP/IZ  
 Sample : PB82874BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82874BL

Quant Time: Apr 21 01:06:36 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 21 00:52:21 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.86  | 152  | 33032    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 135523   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.21 | 164  | 67597    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 13.94 | 188  | 133996   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 17.81 | 240  | 145740   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 19.54 | 264  | 138356   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 3.87  | 112  | 231221   | 115.41 | ng    | 0.00     |
| 7) Phenol-d6                | 5.36  | 99   | 294159   | 117.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.80  | 82   | 172345   | 77.08  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.69 | 330  | 73471    | 131.05 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.03 | 172  | 363704   | 76.91  | ng    | 0.00     |
| 78) Terphenyl-d14           | 16.47 | 244  | 440777   | 68.34  | ng    | 0.00     |

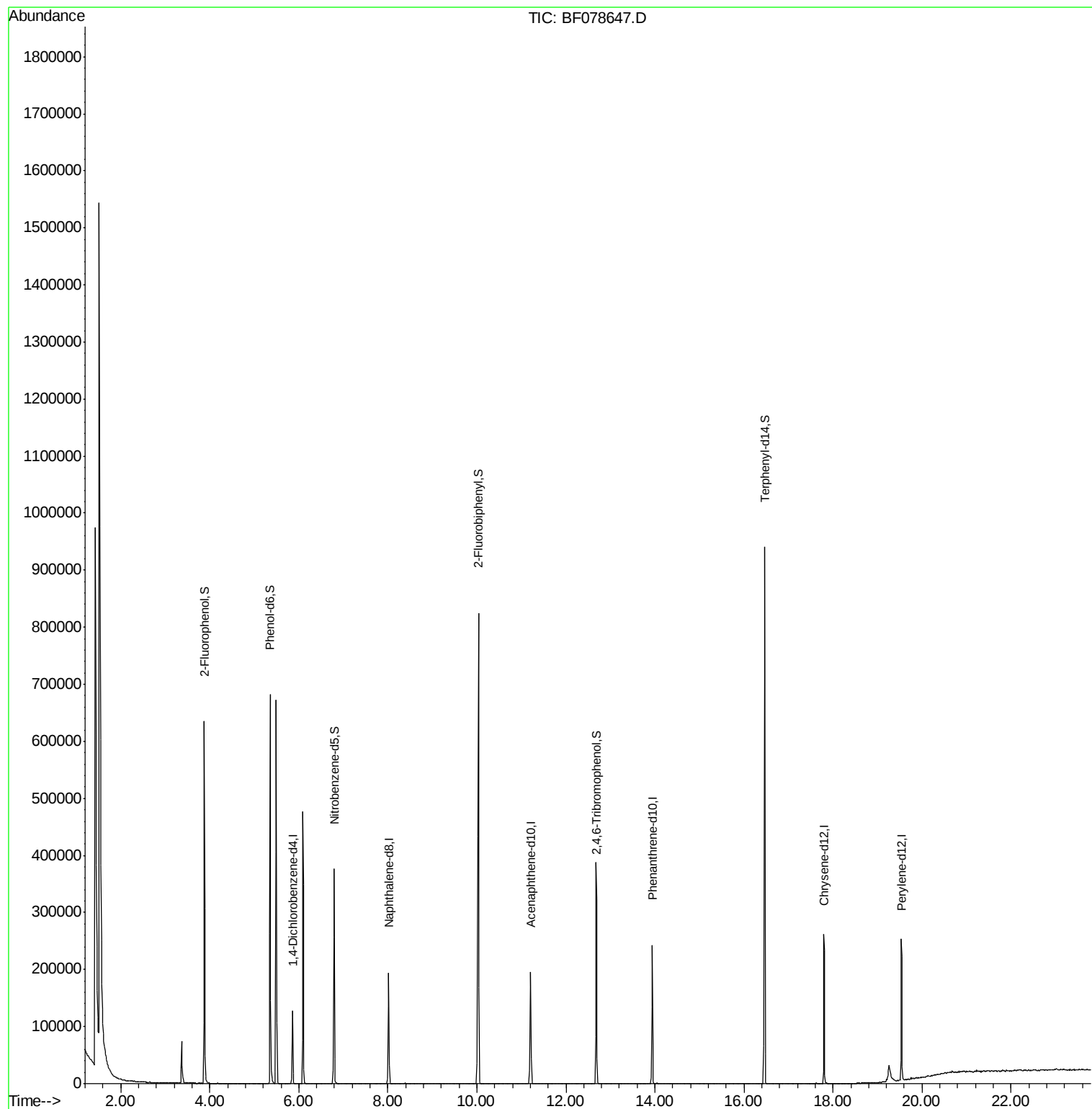
Target Compounds Qvalue

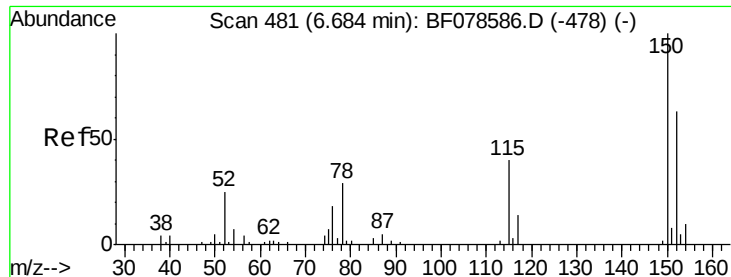
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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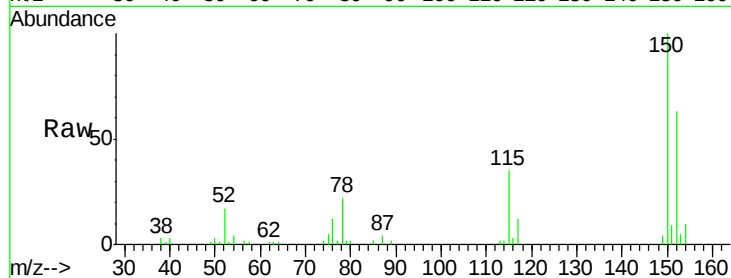


#1

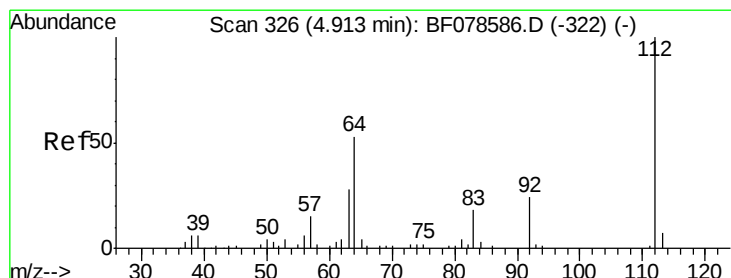
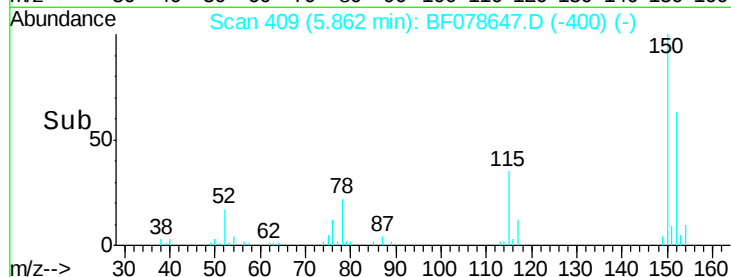
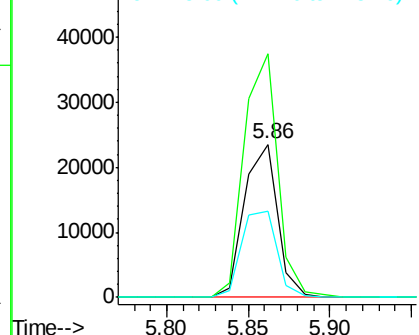
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.86 min Scan# 409  
Delta R.T. 0.00 min  
Lab File: BF078647.D  
Acq: 20 Apr 2015 16:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB82874BL

Tot Ion:152 Resp: 33032  
Ion Ratio Lower Upper  
152 100  
150 159.3 125.9 188.9  
115 56.1 52.7 79.1



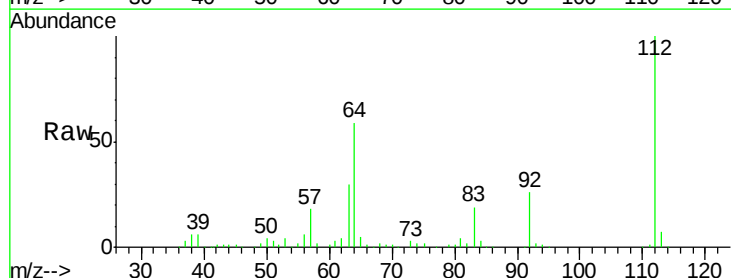
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



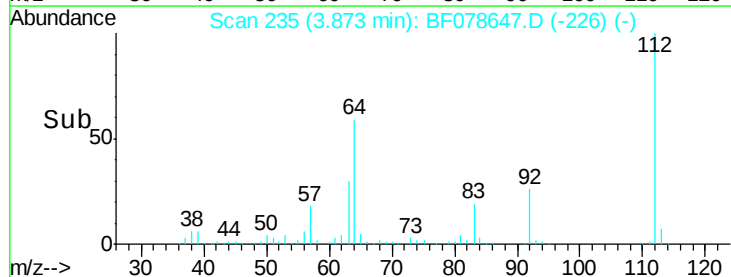
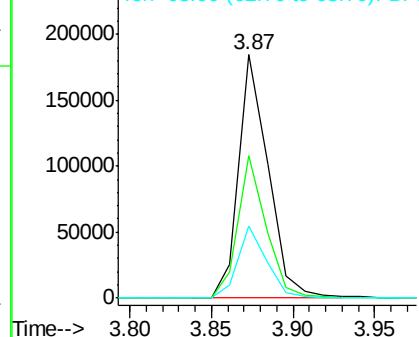
#5

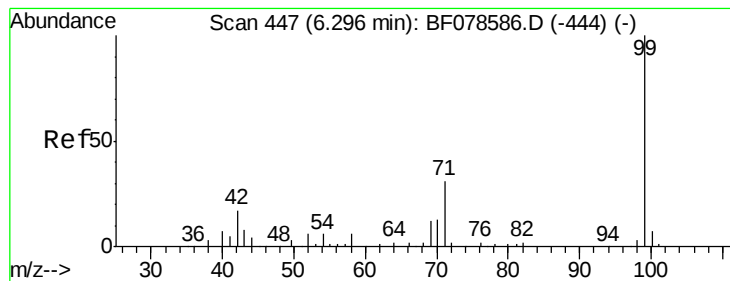
2-Fluorophenol  
Concen: 115.41 ng  
RT: 3.87 min Scan# 235  
Delta R.T. 0.00 min  
Lab File: BF078647.D  
Acq: 20 Apr 2015 16:36

Tgt Ion:112 Resp: 231221  
Ion Ratio Lower Upper  
112 100  
64 58.7 39.9 59.9  
63 29.9 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: 117.16 ng

RT: 5.36 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF078647.D

Acq: 20 Apr 2015 16:36

Instrument :

BNA\_F

ClientSampleId :

PB82874BL

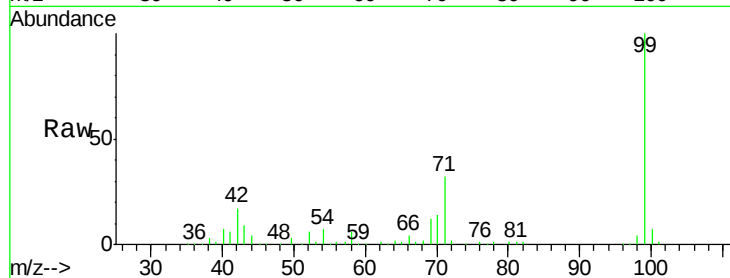
Tot Ion: 99 Resp: 294159

Ion Ratio Lower Upper

99 100

42 17.3 14.8 22.2

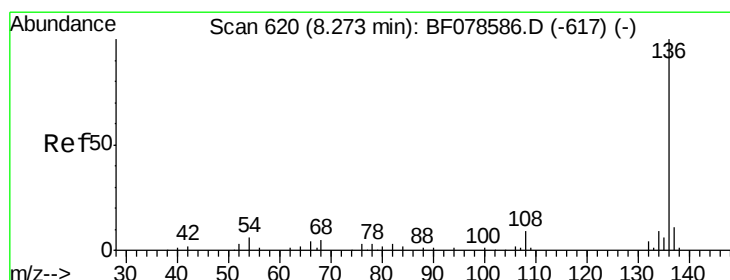
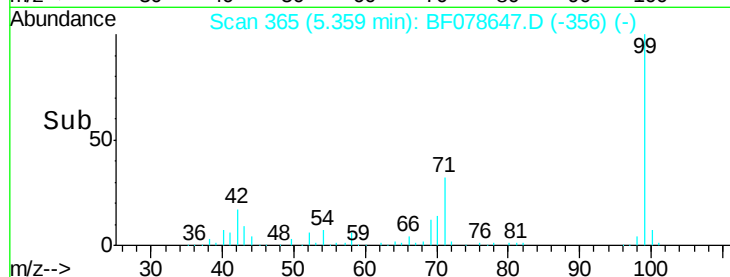
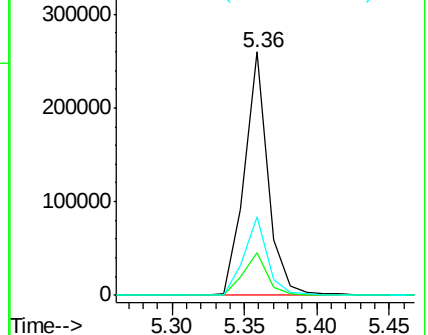
71 32.1 26.6 39.8



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: 8.02 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF078647.D

Acq: 20 Apr 2015 16:36

Tgt Ion: 136 Resp: 135523

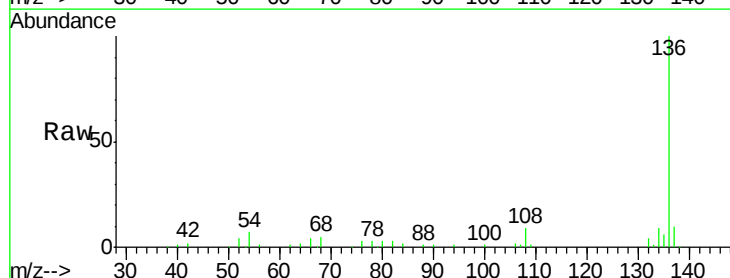
Ion Ratio Lower Upper

136 100

137 10.1 9.0 13.4

54 6.6 7.0 10.6#

68 4.7 5.4 8.2#

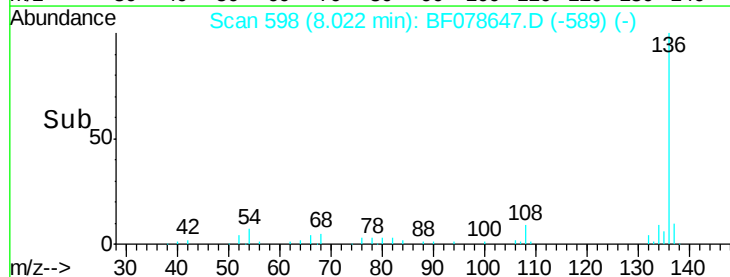
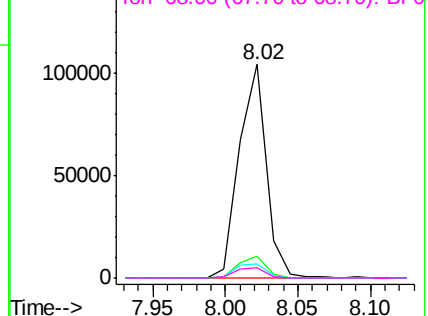


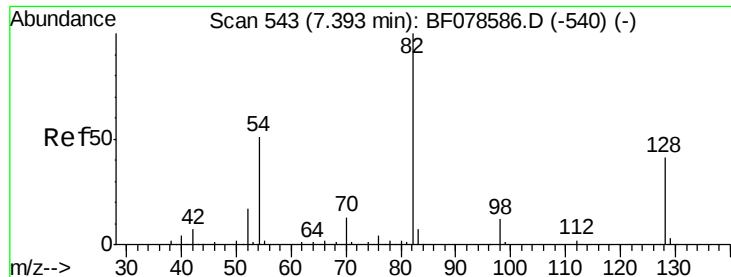
Abundance Ion 136.00 (135.70 to 136.70): E

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

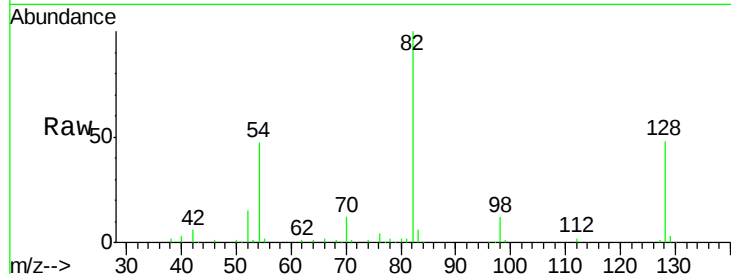




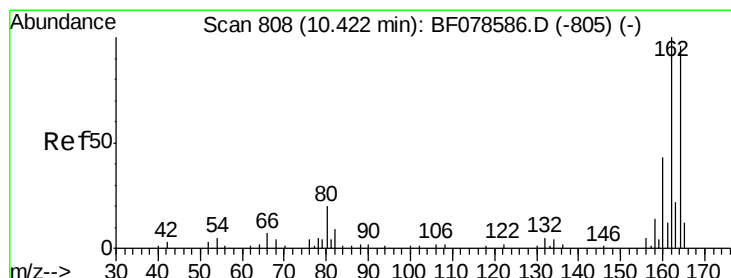
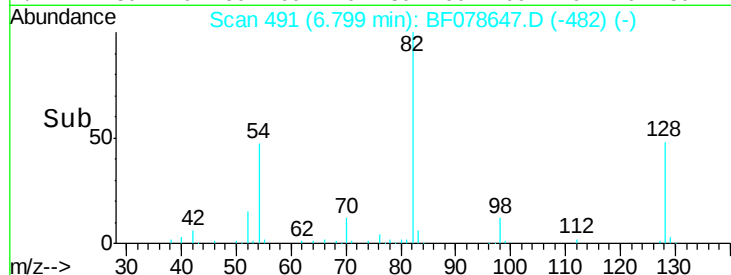
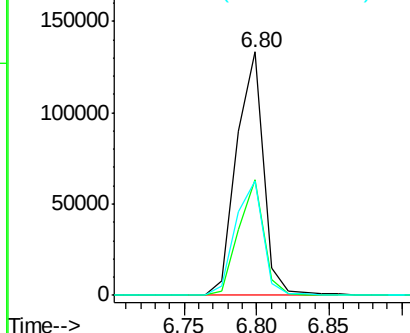
#23  
 Nitrobenzene-d5  
 Concen: 77.08 ng  
 RT: 6.80 min Scan# 491  
 Delta R.T. 0.00 min  
 Lab File: BF078647.D  
 Acq: 20 Apr 2015 16:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82874BL

| Tot Ion   | 82    | Resp  | 172345 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.6  | 31.8  | 47.8   |
| 54        | 47.0  | 41.5  | 62.3   |

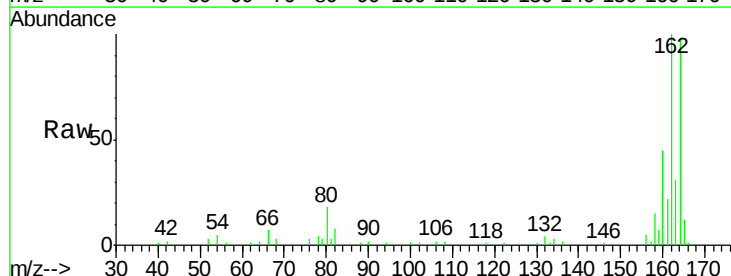


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

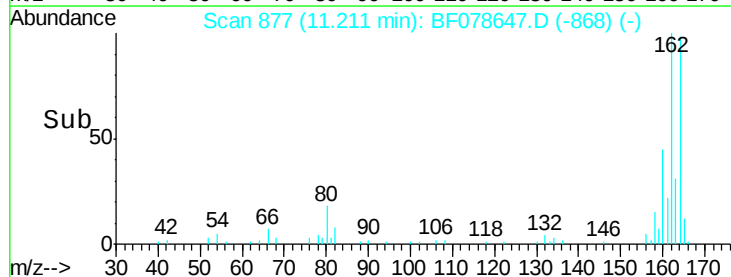
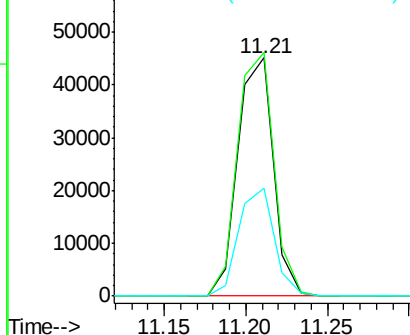


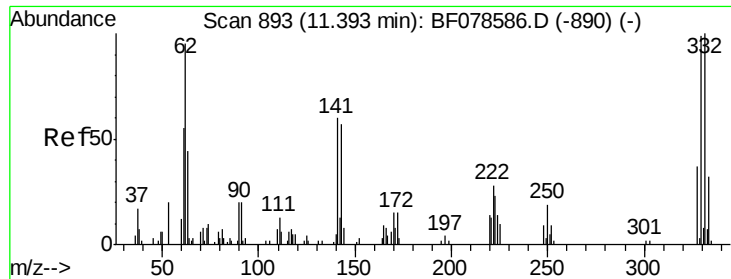
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.21 min Scan# 877  
 Delta R.T. 0.00 min  
 Lab File: BF078647.D  
 Acq: 20 Apr 2015 16:36

| Tgt Ion   | 164   | Resp  | 67597 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 102.3 | 82.2  | 123.2 |
| 160       | 45.6  | 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: 131.05 ng

RT: 12.69 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF078647.D

Acq: 20 Apr 2015 16:36

Instrument :

BNA\_F

ClientSampleId :

PB82874BL

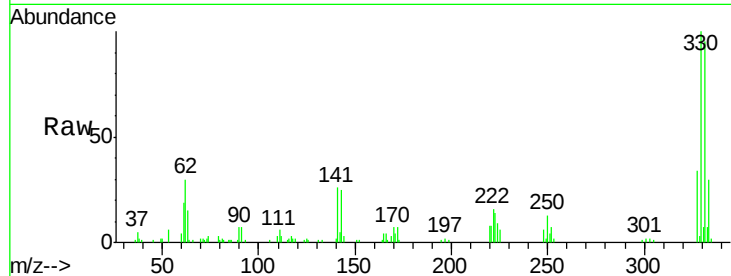
Tot Ion:330 Resp: 73471

Ion Ratio Lower Upper

330 100

332 95.3 78.6 117.8

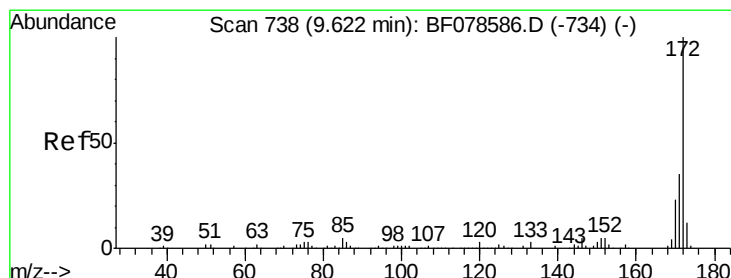
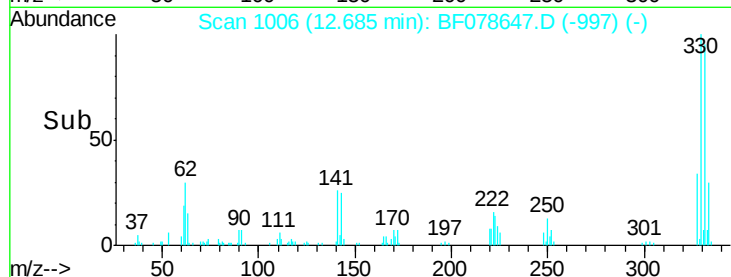
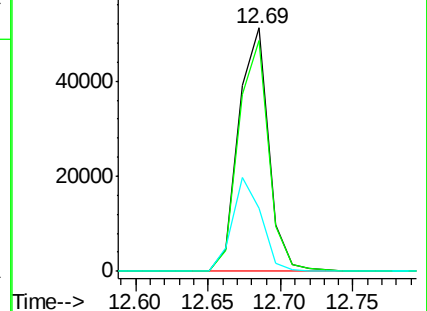
141 37.1 31.2 46.8



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: 76.91 ng

RT: 10.03 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF078647.D

Acq: 20 Apr 2015 16:36

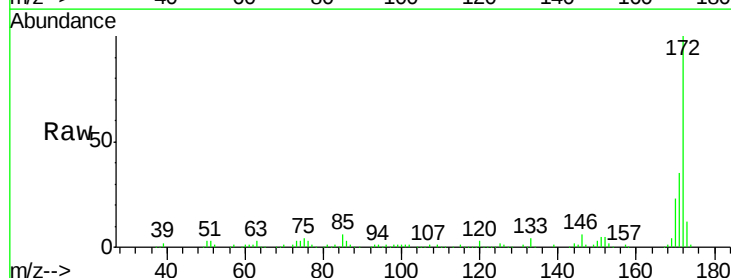
Tgt Ion:172 Resp: 363704

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

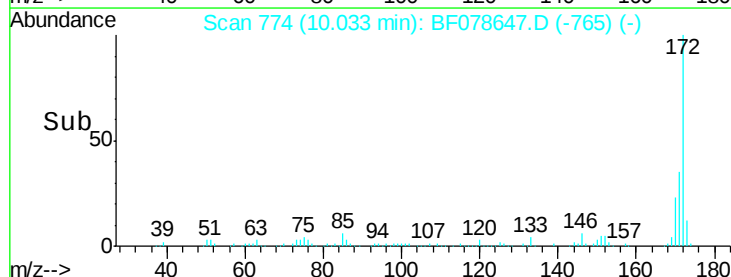
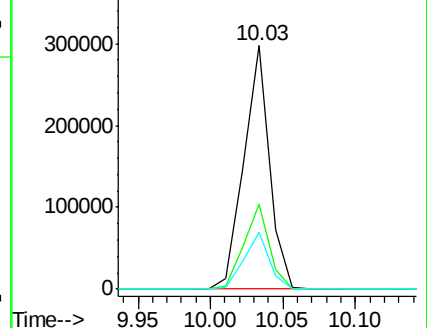
170 23.3 18.5 27.7

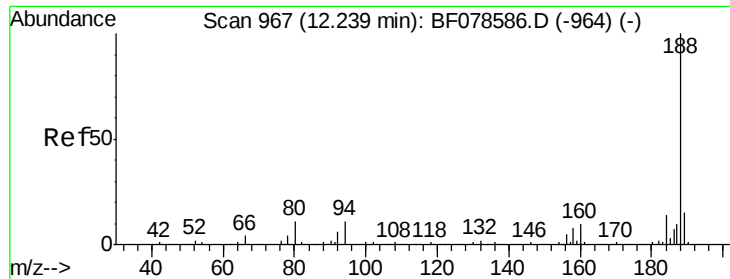


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

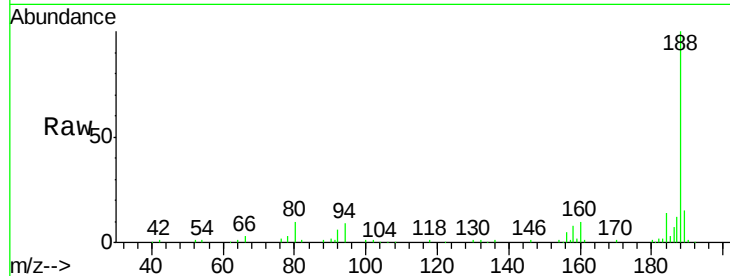




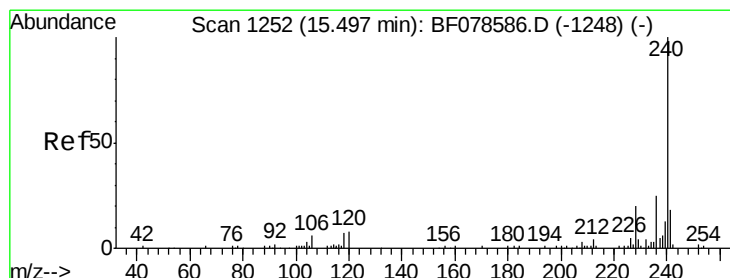
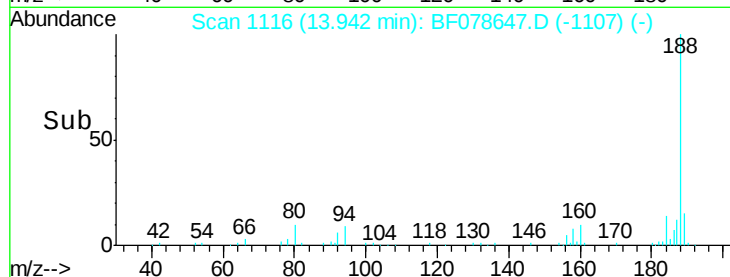
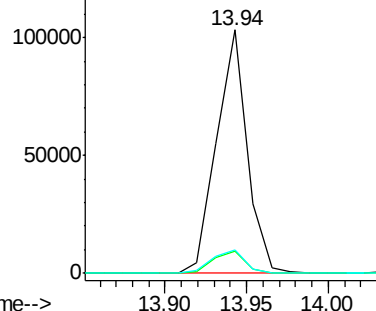
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 13.94 min Scan# 1116  
 Delta R.T. 0.00 min  
 Lab File: BF078647.D  
 Acq: 20 Apr 2015 16:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82874BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 9.0   | 13.4  |
| 80      | 9.5   | 9.5   | 14.3  |

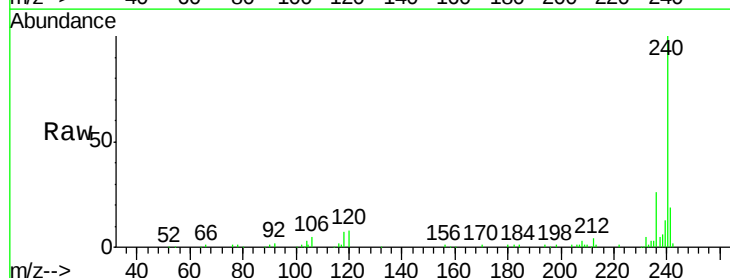


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

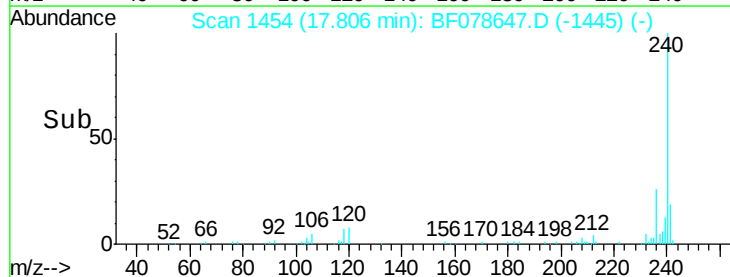
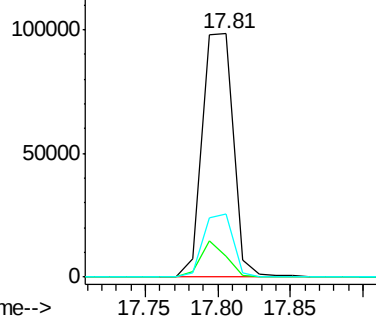


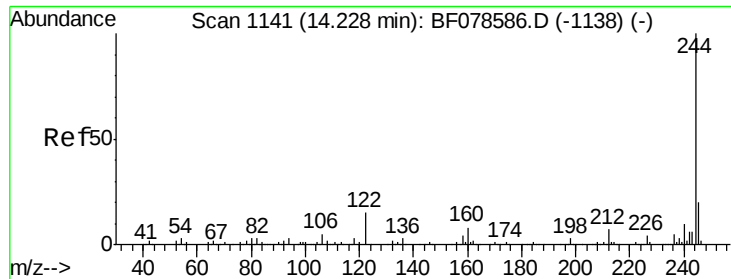
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 17.81 min Scan# 1454  
 Delta R.T. 0.00 min  
 Lab File: BF078647.D  
 Acq: 20 Apr 2015 16:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.5   | 7.1   | 10.7  |
| 236     | 25.8  | 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: 68.34 ng

RT: 16.47 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF078647.D

Acq: 20 Apr 2015 16:36

Instrument :

BNA\_F

ClientSampleId :

PB82874BL

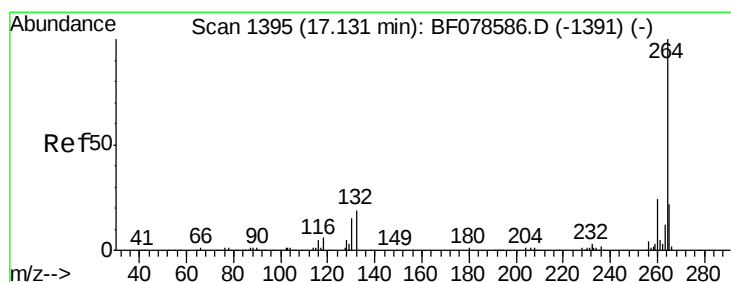
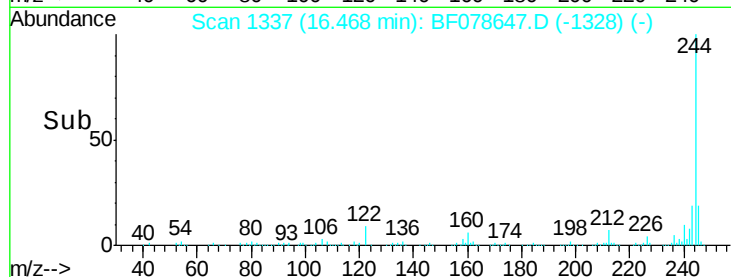
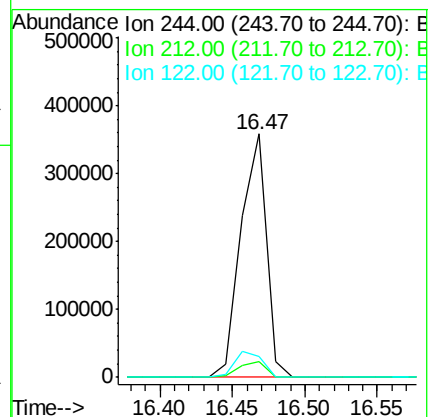
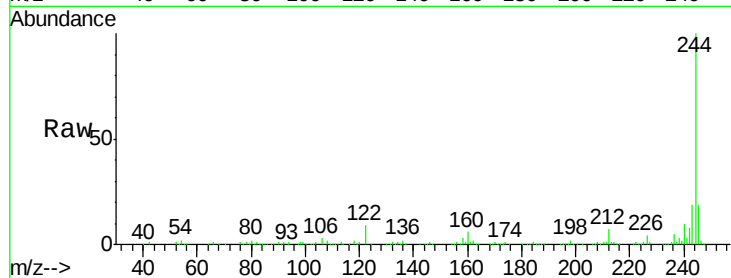
Tot Ion:244 Resp: 440777

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 8.8 7.1 10.7



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.54 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BF078647.D

Acq: 20 Apr 2015 16:36

Tgt Ion:264 Resp: 138356

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 20.8 17.0 25.6

