

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\  
 Data File : BF079232.D  
 Acq On : 14 May 2015 10:36  
 Operator : TP/IZ  
 Sample : G2177-14  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 14 15:38:25 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 15:23:47 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.23  | 152  | 63580    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.81  | 136  | 260966   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.98 | 164  | 122868   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.82 | 188  | 235693   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 16.14 | 240  | 240763   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 17.97 | 264  | 253062   | 20.00  | ng    | 0.11     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 451340   | 122.20 | ng    | 0.00     |
| 7) Phenol-d6                | 6.80  | 99   | 539151   | 110.43 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.93  | 82   | 360026   | 79.29  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.96 | 330  | 184744   | 138.99 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.16 | 172  | 756073   | 85.73  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.82 | 244  | 828007   | 82.34  | ng    | 0.00     |

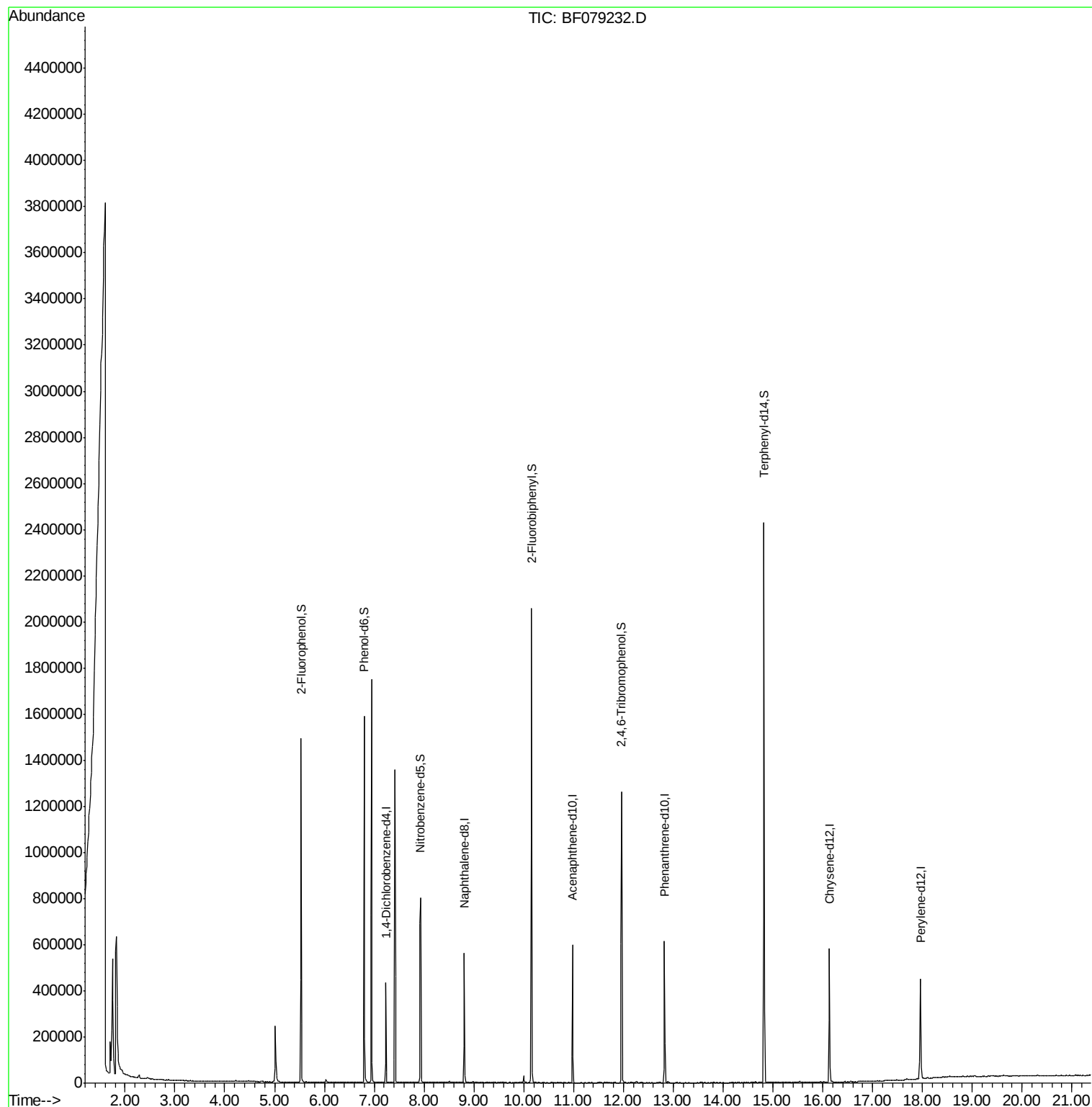
Target Compounds Qvalue

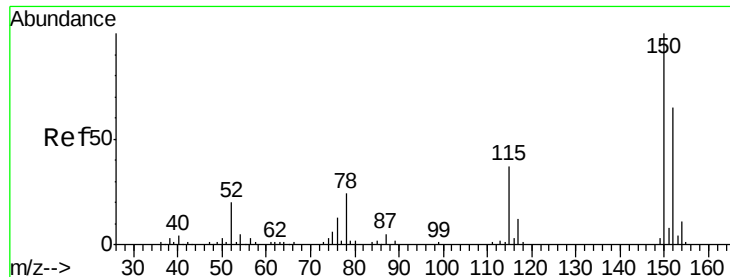
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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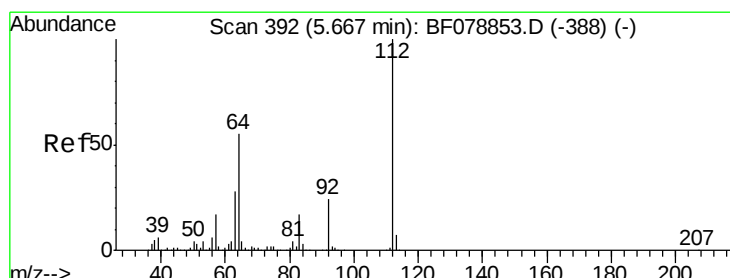
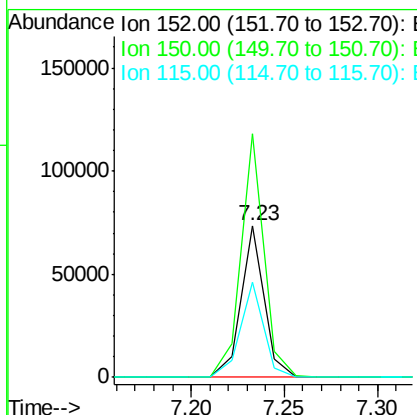
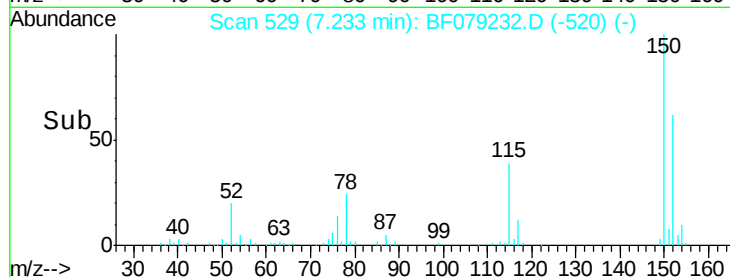
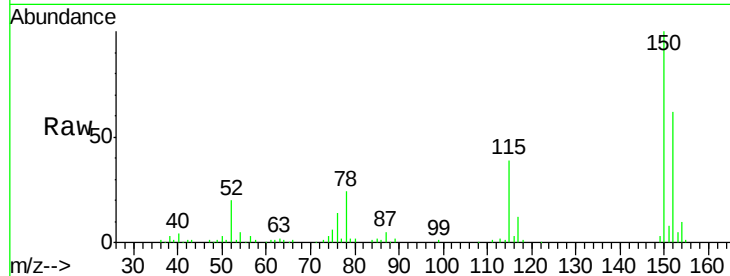




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.23 min Scan# 529  
 Delta R.T. 0.00 min  
 Lab File: BF079232.D  
 Acq: 14 May 2015 10:36

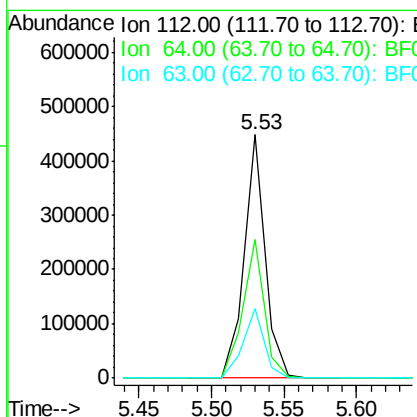
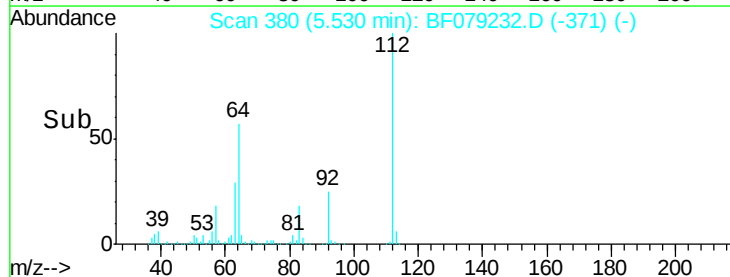
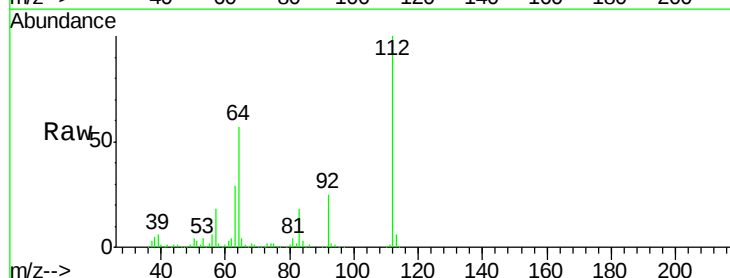
Instrument :  
 BNA\_F  
 ClientSampleId :

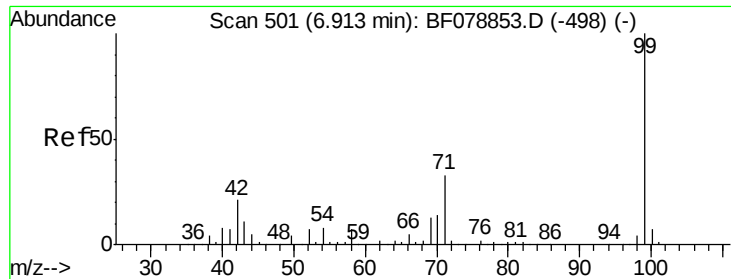
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 63580 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 160.4 | 122.0 | 183.0 |
| 115      | 62.5  | 46.3  | 69.5  |



#5  
 2-Fluorophenol  
 Concen: 122.20 ng  
 RT: 5.53 min Scan# 380  
 Delta R.T. 0.00 min  
 Lab File: BF079232.D  
 Acq: 14 May 2015 10:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 451340 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 56.8  | 53.5  | 80.3   |
| 63       | 28.8  | 27.5  | 41.3   |





#7

Phenol-d6

Concen: 110.43 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079232.D

Acq: 14 May 2015 10:36

Instrument :

BNA\_F

ClientSampleId :

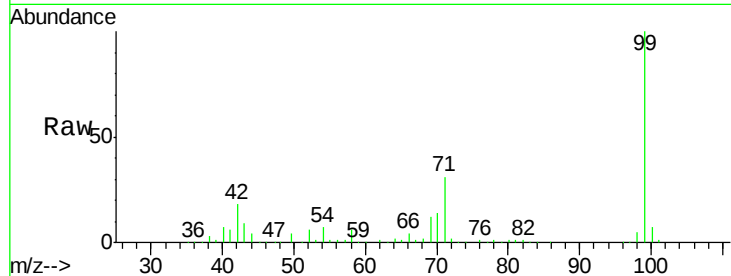
Tot Ion: 99 Resp: 539151

Ion Ratio Lower Upper

99 100

42 17.6 12.8 19.2

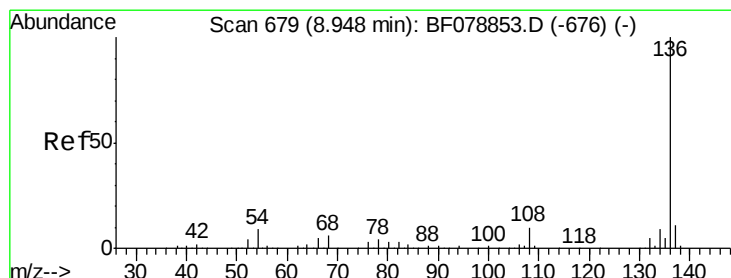
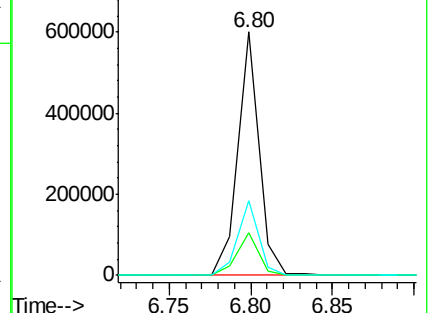
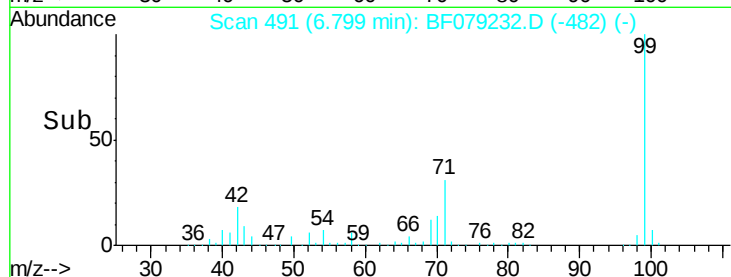
71 30.9 23.4 35.2



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: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079232.D

Acq: 14 May 2015 10:36

Tgt Ion: 136 Resp: 260966

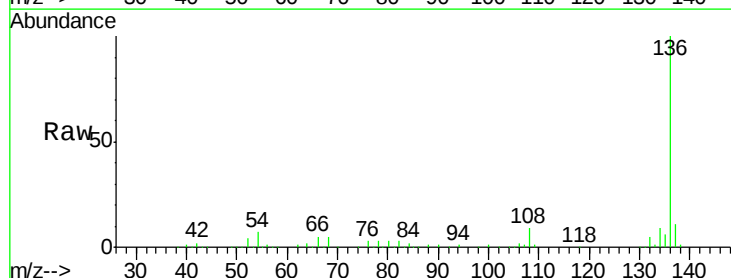
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.6 5.8 8.8

68 4.9 4.2 6.4

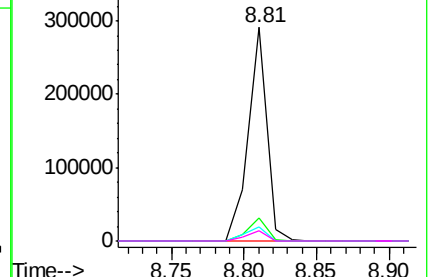
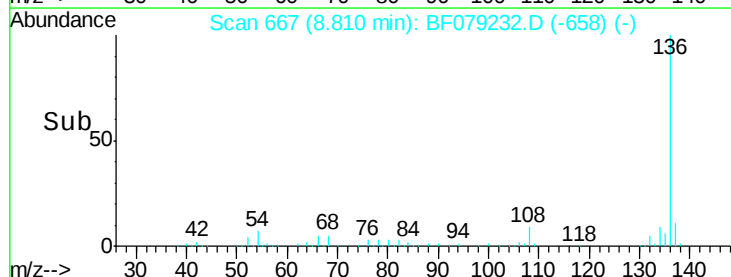


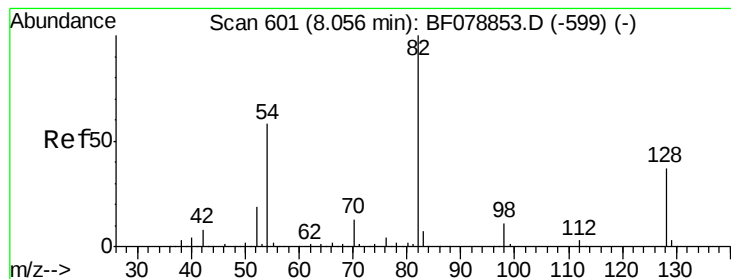
Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.29 ng

RT: 7.93 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF079232.D

Acq: 14 May 2015 10:36

Instrument :

BNA\_F

ClientSampleId :

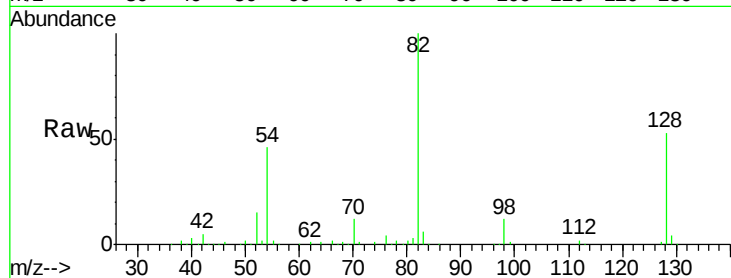
Tot Ion: 82 Resp: 360026

Ion Ratio Lower Upper

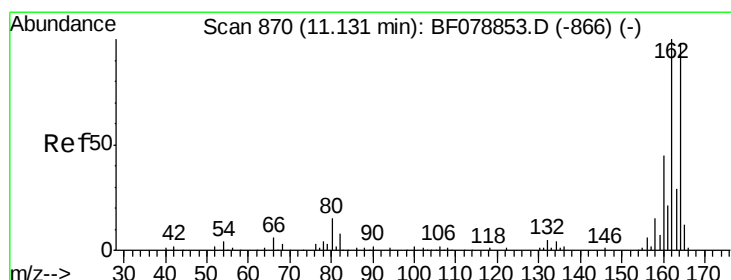
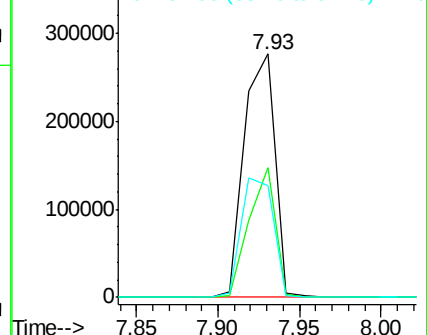
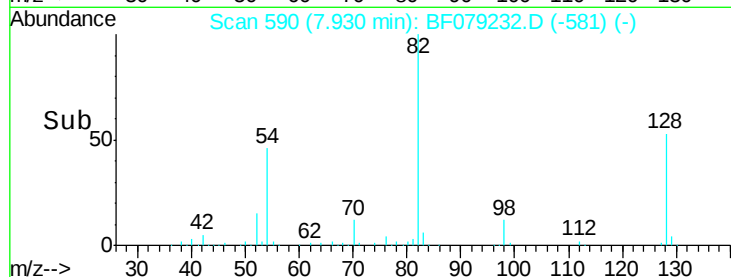
82 100

128 53.5 30.0 45.0#

54 45.7 46.4 69.6#



Abundance Ion 82.00 (81.70 to 82.70): BF079232.D (-581) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF079232.D

Acq: 14 May 2015 10:36

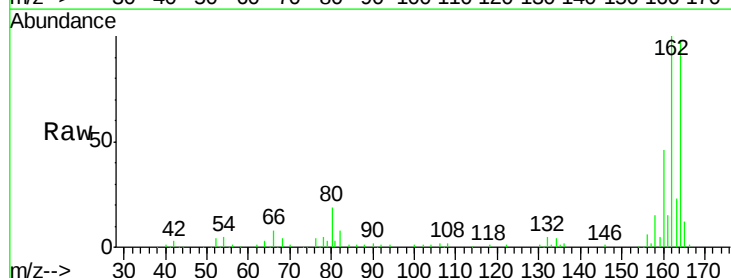
Tgt Ion:164 Resp: 122868

Ion Ratio Lower Upper

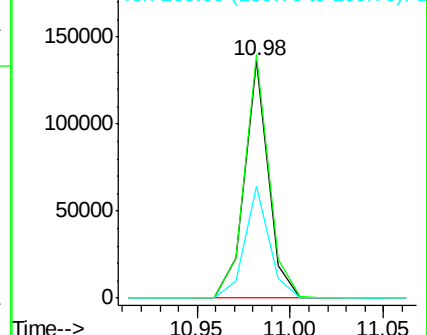
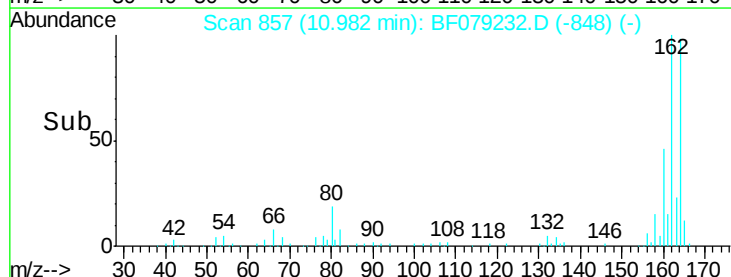
164 100

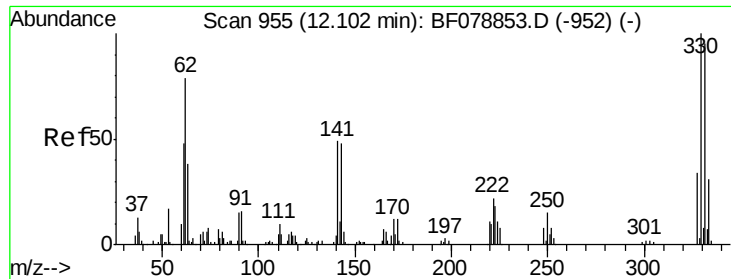
162 102.5 82.7 124.1

160 46.9 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): BF079232.D (-848) (-)

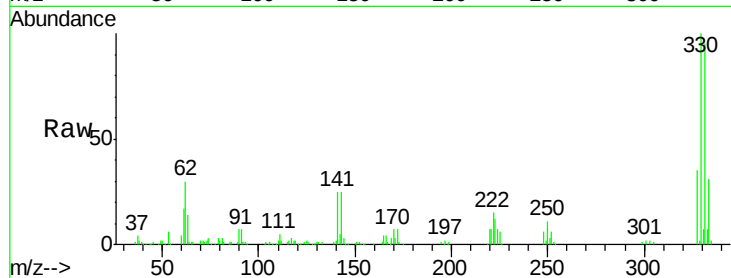




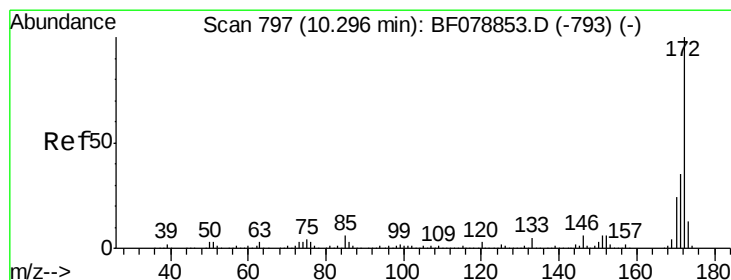
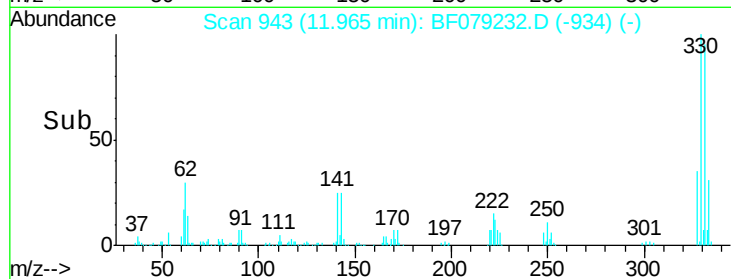
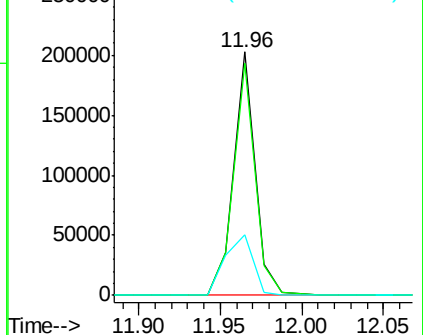
#41  
 2,4,6-Tribromophenol  
 Concen: 138.99 ng  
 RT: 11.96 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BF079232.D  
 Acq: 14 May 2015 10:36

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 184744  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 0.0 0.0#  
 141 32.8 0.0 0.0#

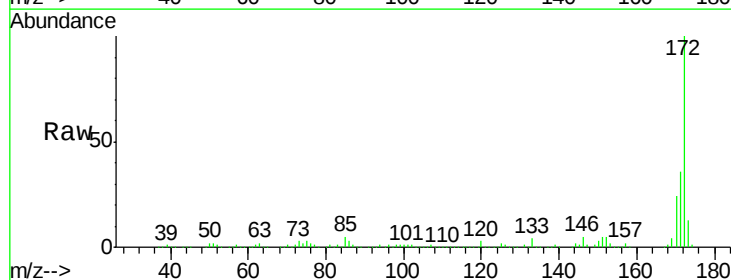


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

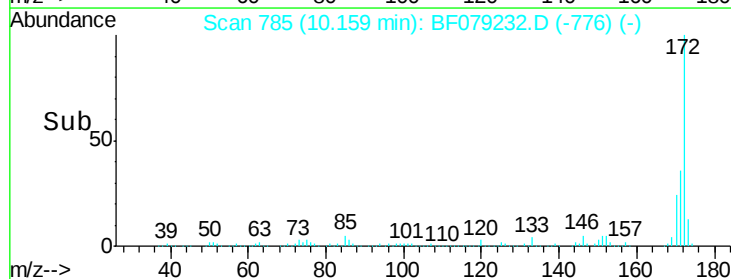
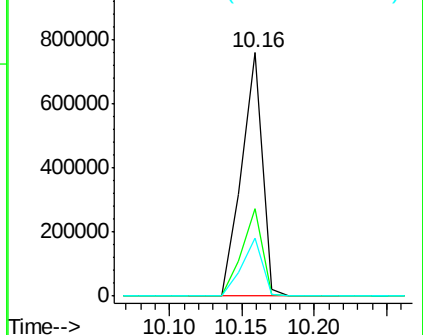


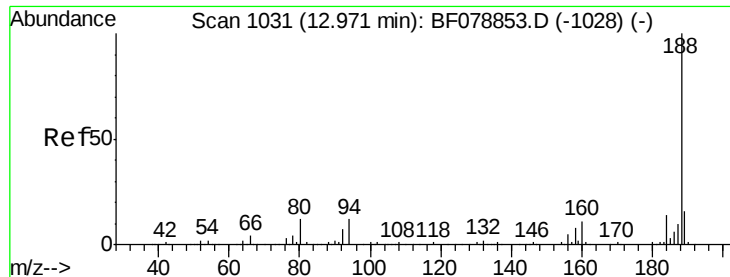
#44  
 2-Fluorobiphenyl  
 Concen: 85.73 ng  
 RT: 10.16 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BF079232.D  
 Acq: 14 May 2015 10:36

Tgt Ion:172 Resp: 756073  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 27.9 41.9  
 170 24.0 19.4 29.0



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

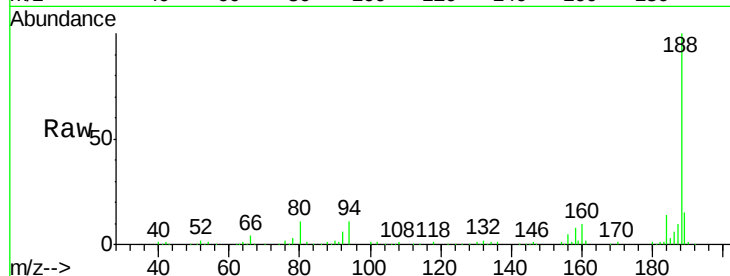




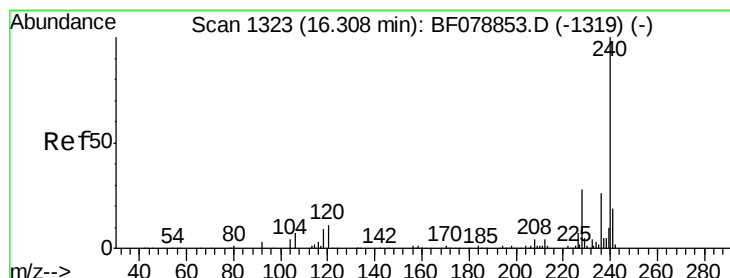
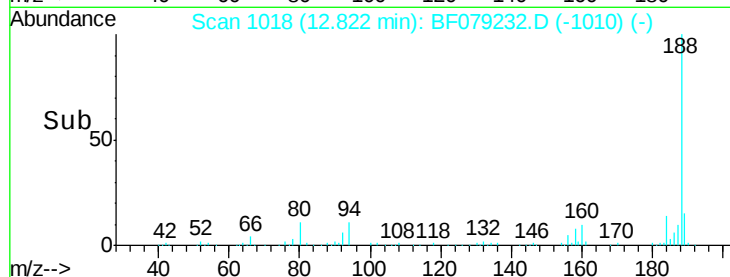
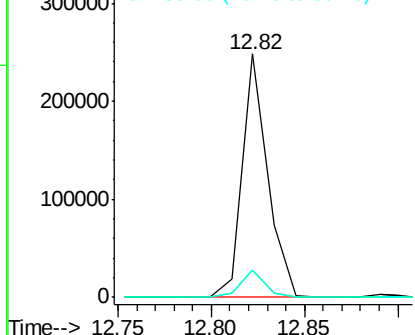
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.82 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF079232.D  
Acq: 14 May 2015 10:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 235693  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.2 12.2  
80 11.4 8.9 13.3

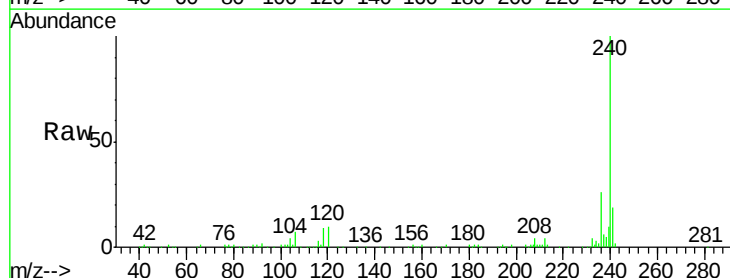


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

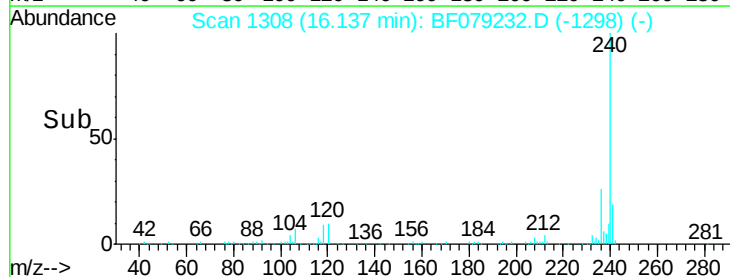
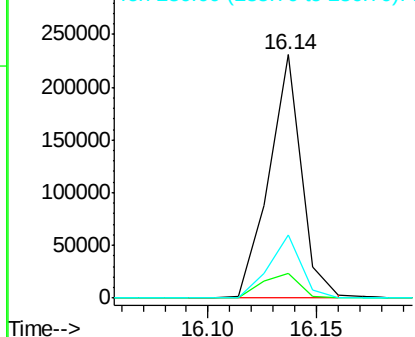


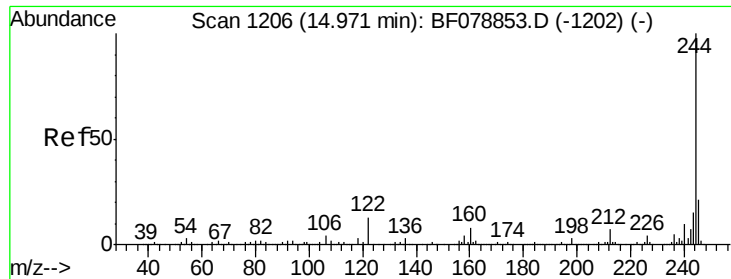
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.14 min Scan# 1308  
Delta R.T. 0.01 min  
Lab File: BF079232.D  
Acq: 14 May 2015 10:36

Tgt Ion:240 Resp: 240763  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.7 14.5  
236 25.8 20.2 30.4



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: 82.34 ng

RT: 14.82 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF079232.D

Acq: 14 May 2015 10:36

Instrument :

BNA\_F

ClientSampled :

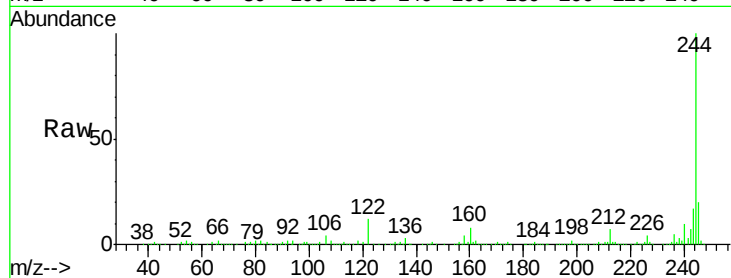
Tot Ion:244 Resp: 828007

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

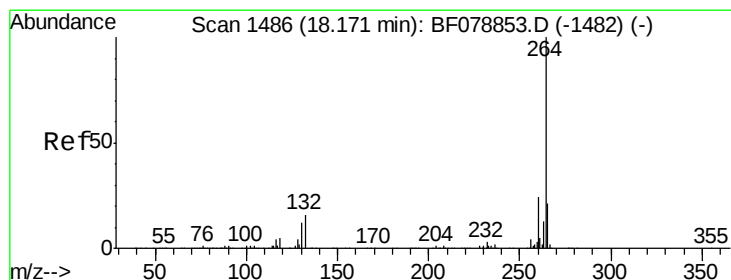
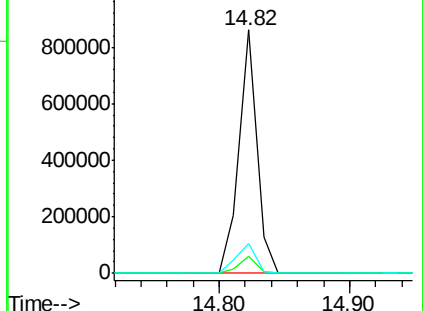
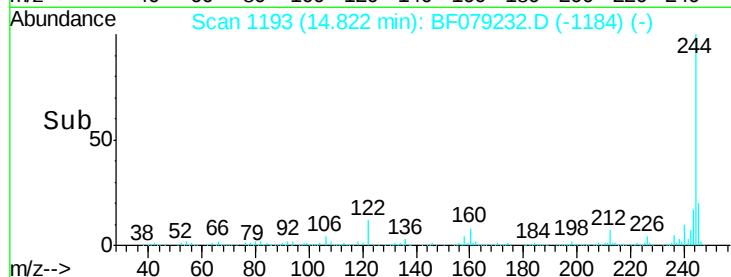
122 12.4 10.3 15.5



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: 17.97 min Scan# 1468

Delta R.T. 0.11 min

Lab File: BF079232.D

Acq: 14 May 2015 10:36

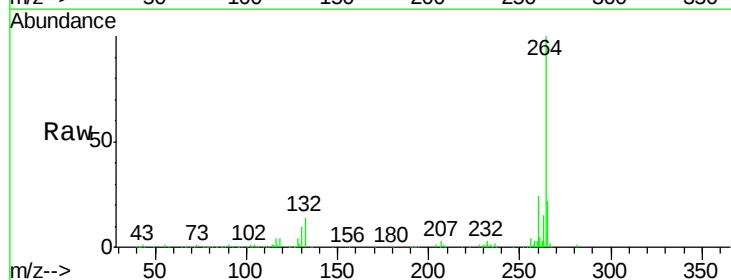
Tgt Ion:264 Resp: 253062

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 21.7 18.3 27.5



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

