

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\  
 Data File : BF079129.D  
 Acq On : 11 May 2015 21:36  
 Operator : TP/IZ  
 Sample : PB83301BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83301BL

Quant Time: May 12 01:58:48 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 01:34:40 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.30  | 152  | 57528    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.87  | 136  | 237763   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 11.05 | 164  | 116792   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.89 | 188  | 225998   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 16.18 | 240  | 232307   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 17.90 | 264  | 249383   | 20.00  | ng    | -0.16    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 440572   | 131.83 | ng    | 0.01     |
| 7) Phenol-d6                | 6.86  | 99   | 558106   | 126.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.99  | 82   | 319195   | 77.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.03 | 330  | 159055   | 125.89 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.22 | 172  | 630219   | 75.18  | ng    | -0.01    |
| 78) Terphenyl-d14           | 14.89 | 244  | 756881   | 78.00  | ng    | -0.01    |

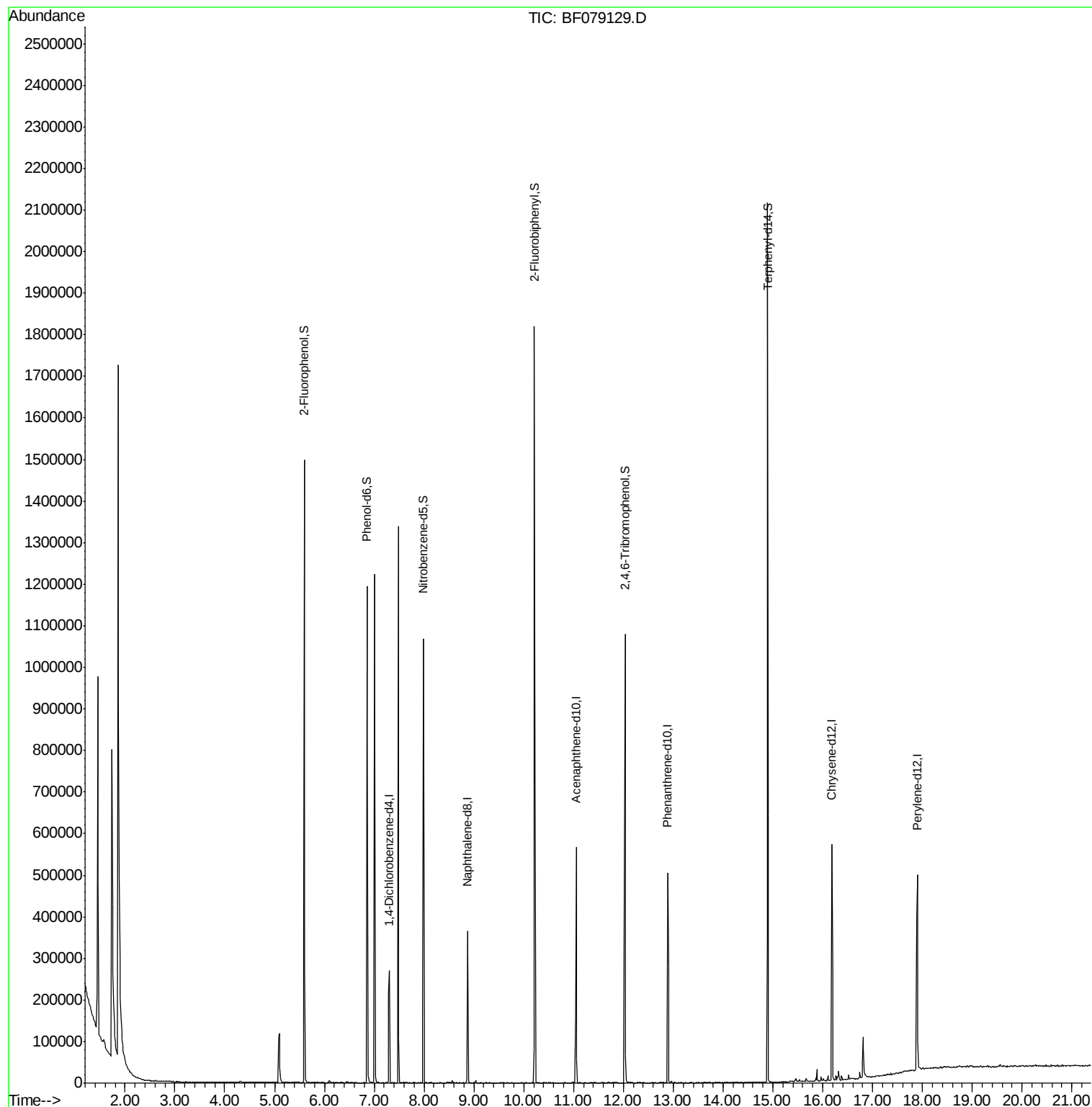
Target Compounds Qvalue

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

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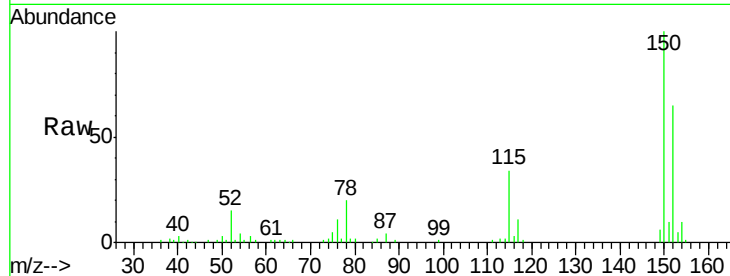


#1

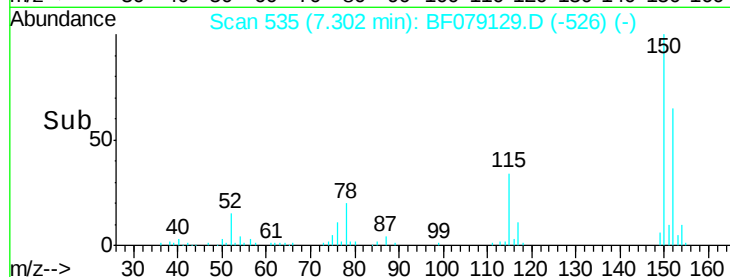
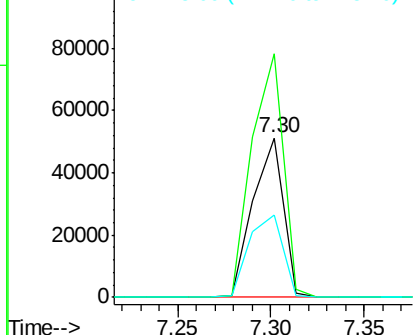
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.30 min Scan# 535  
Delta R.T. -0.00 min  
Lab File: BF079129.D  
Acq: 11 May 2015 21:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB83301BL

Tot Ion:152 Resp: 57528  
Ion Ratio Lower Upper  
152 100  
150 152.9 122.0 183.0  
115 52.1 46.3 69.5



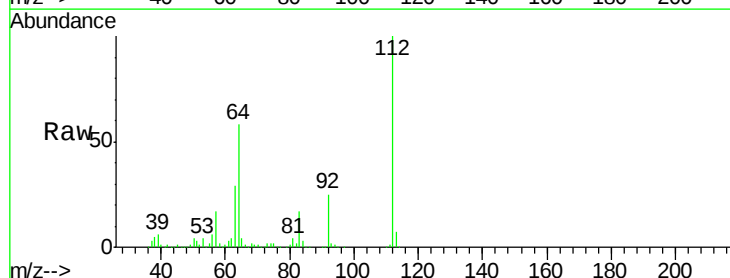
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



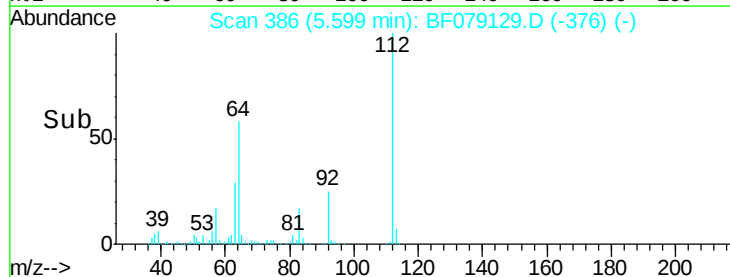
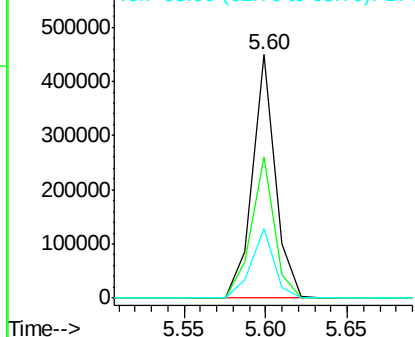
#5

2-Fluorophenol  
Concen: 131.83 ng  
RT: 5.60 min Scan# 386  
Delta R.T. 0.01 min  
Lab File: BF079129.D  
Acq: 11 May 2015 21:36

Tgt Ion:112 Resp: 440572  
Ion Ratio Lower Upper  
112 100  
64 57.8 53.5 80.3  
63 28.8 27.5 41.3



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: 126.34 ng

RT: 6.86 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF079129.D

Acq: 11 May 2015 21:36

Instrument :

BNA\_F

ClientSampleId :

PB83301BL

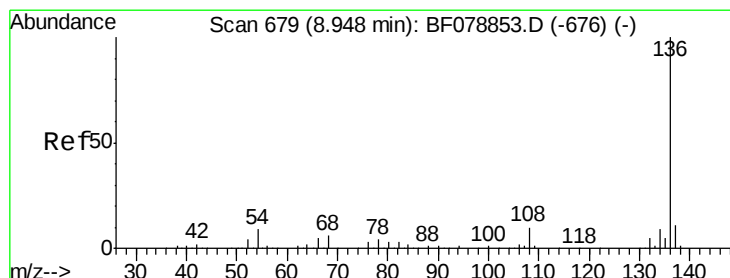
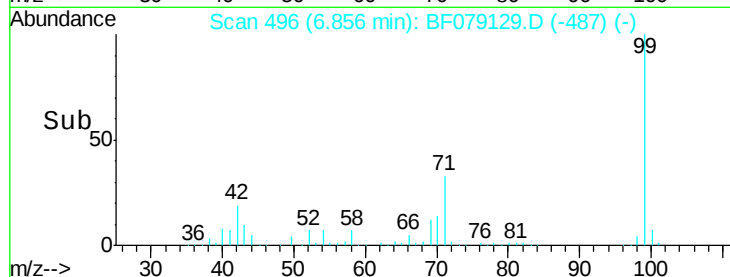
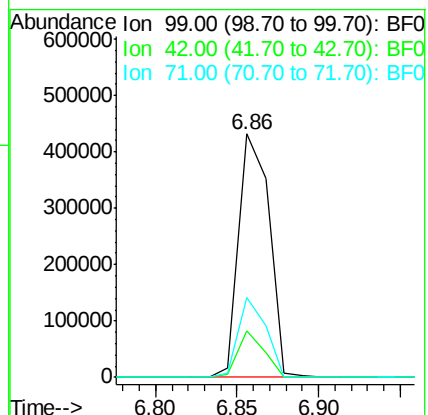
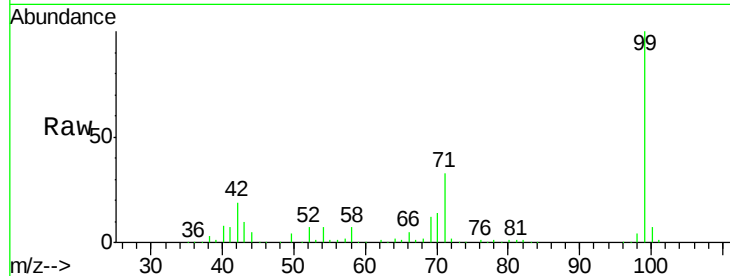
Tot Ion: 99 Resp: 558106

Ion Ratio Lower Upper

99 100

42 19.3 12.8 19.2#

71 32.7 23.4 35.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.87 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF079129.D

Acq: 11 May 2015 21:36

Tgt Ion: 136 Resp: 237763

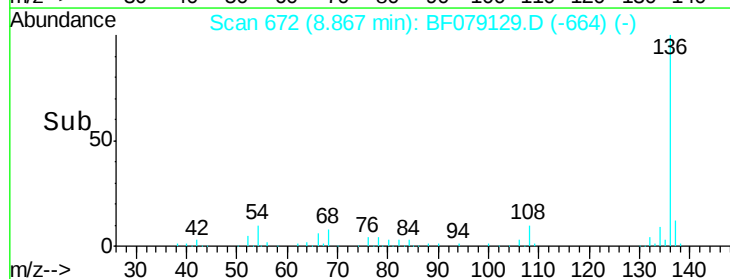
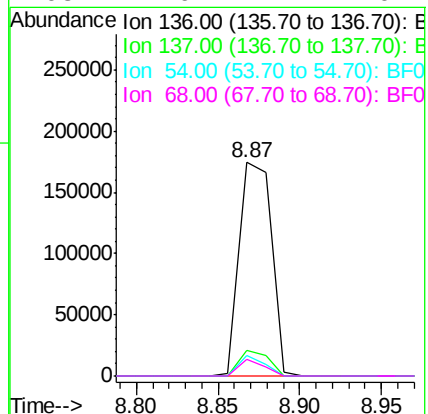
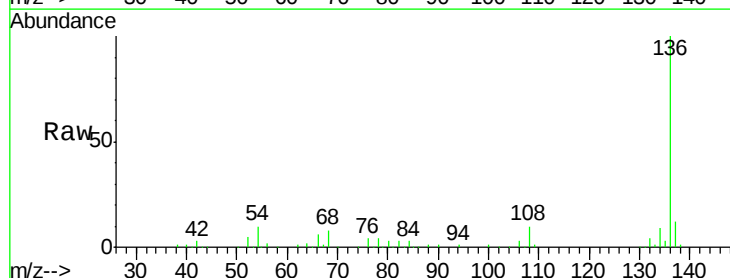
Ion Ratio Lower Upper

136 100

137 11.8 8.7 13.1

54 9.9 5.8 8.8#

68 7.6 4.2 6.4#

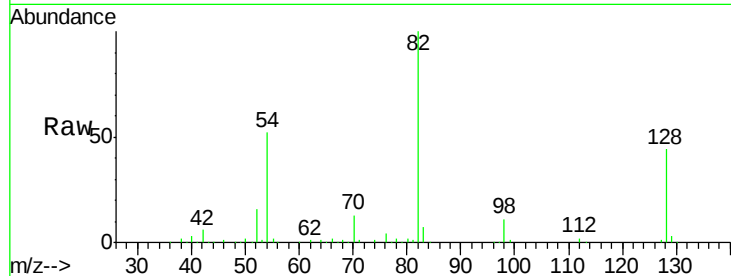




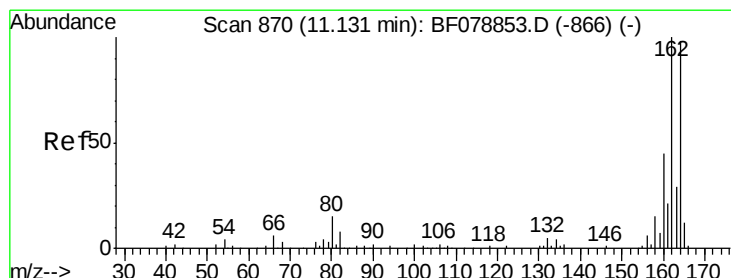
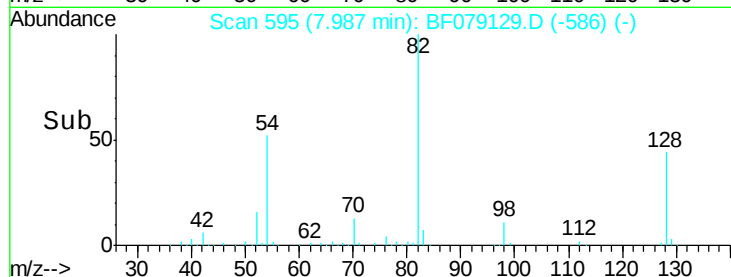
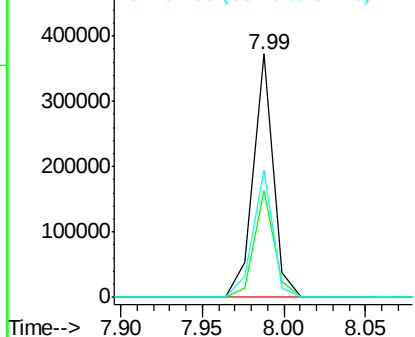
#23  
 Nitrobenzene-d5  
 Concen: 77.16 ng  
 RT: 7.99 min Scan# 595  
 Delta R.T. -0.00 min  
 Lab File: BF079129.D  
 Acq: 11 May 2015 21:36

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB83301BL

| Tot Ion   | 82   | Resp  | 319195 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 43.8 | 30.0  | 45.0   |
| 54        | 52.3 | 46.4  | 69.6   |

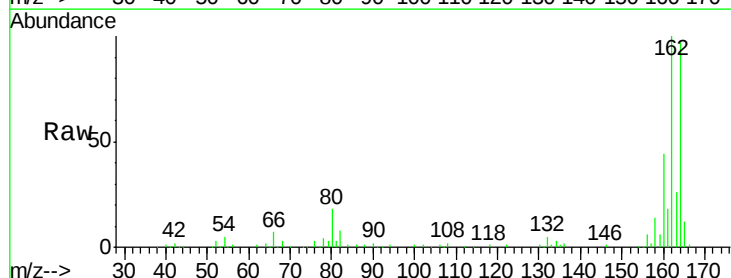


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

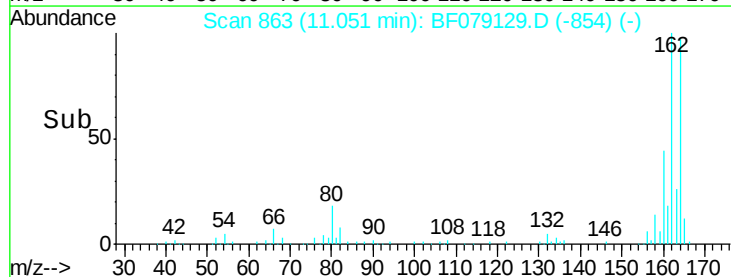
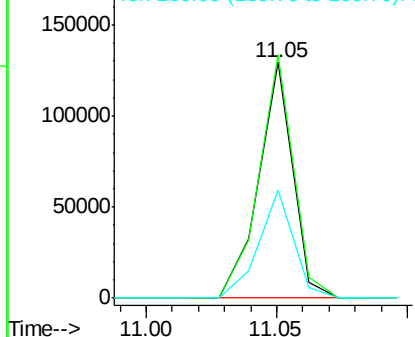


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.05 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: BF079129.D  
 Acq: 11 May 2015 21:36

| Tgt Ion   | 164   | Resp  | 116792 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.4 | 82.7  | 124.1  |
| 160       | 45.9  | 35.8  | 53.8   |



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

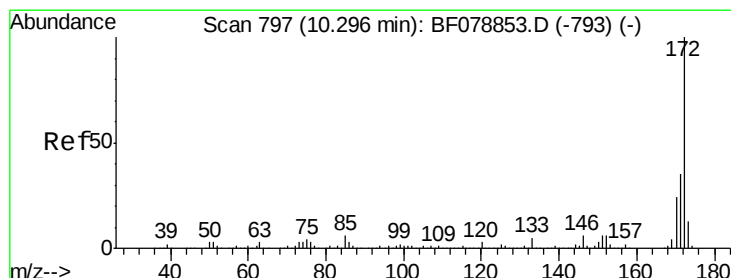
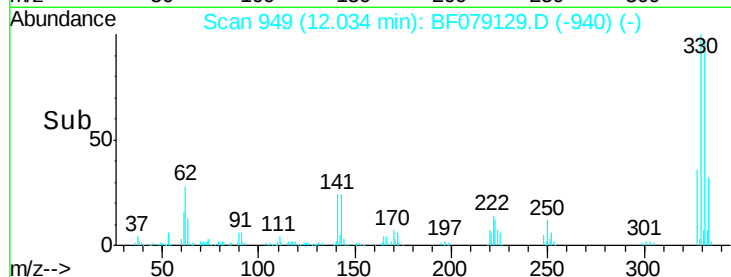
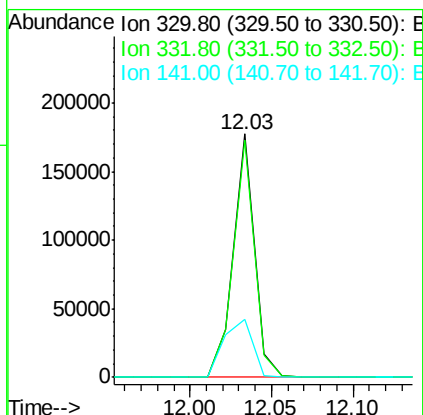
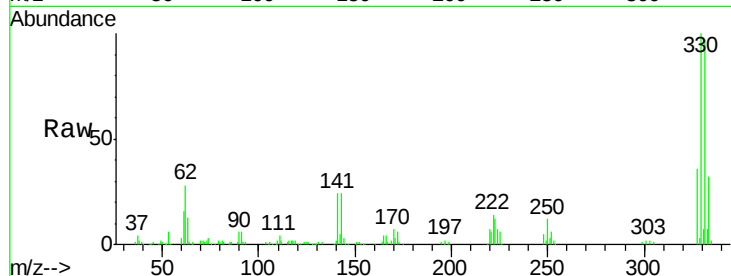




#41  
 2,4,6-Tribromophenol  
 Concen: 125.89 ng  
 RT: 12.03 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: BF079129.D  
 Acq: 11 May 2015 21:36

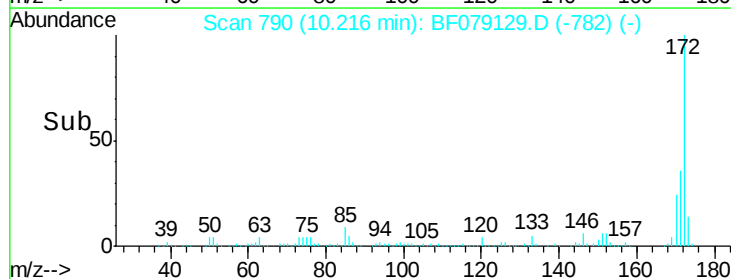
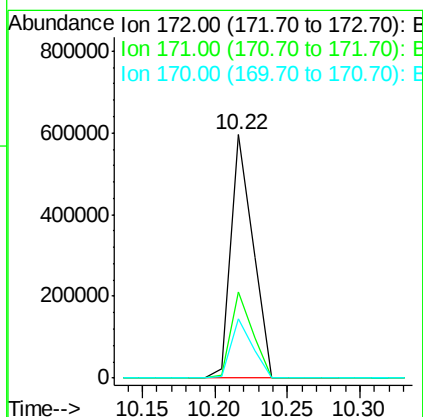
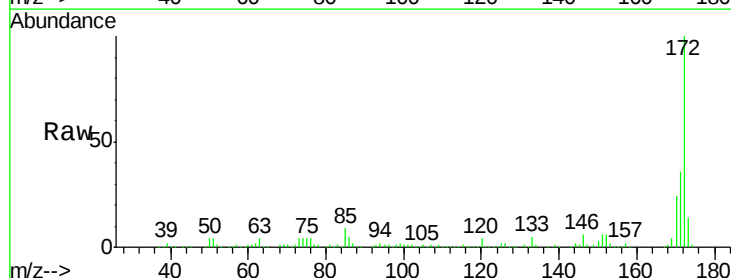
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83301BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 0.0   | 0.0#  |
| 141     | 32.8  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 75.18 ng  
 RT: 10.22 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF079129.D  
 Acq: 11 May 2015 21:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 27.9  | 41.9  |
| 170     | 24.3  | 19.4  | 29.0  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.89 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF079129.D

Acq: 11 May 2015 21:36

Instrument :

BNA\_F

ClientSampleId :

PB83301BL

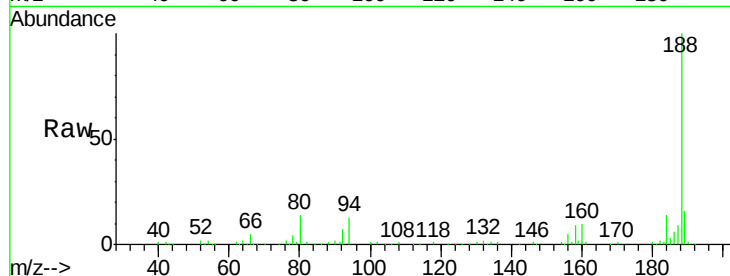
Tot Ion:188 Resp: 225998

Ion Ratio Lower Upper

188 100

94 12.6 8.2 12.2#

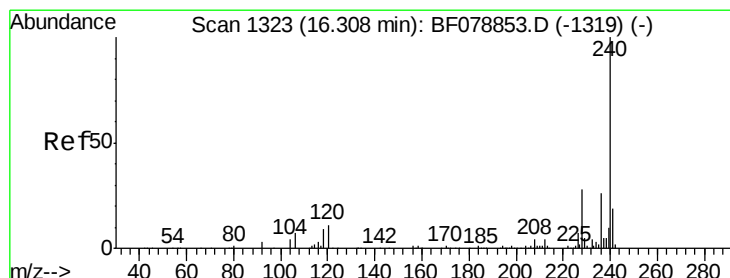
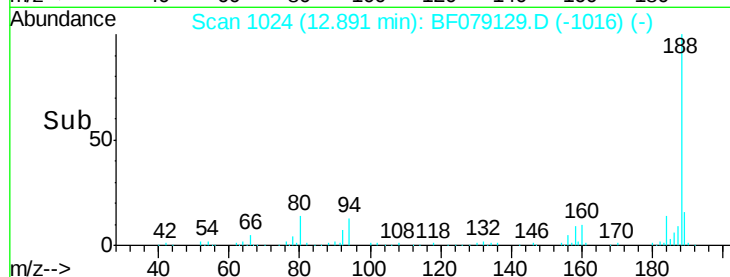
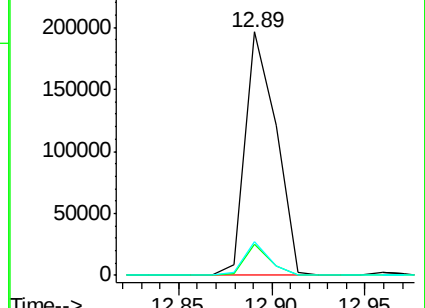
80 13.9 8.9 13.3#



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: 16.18 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BF079129.D

Acq: 11 May 2015 21:36

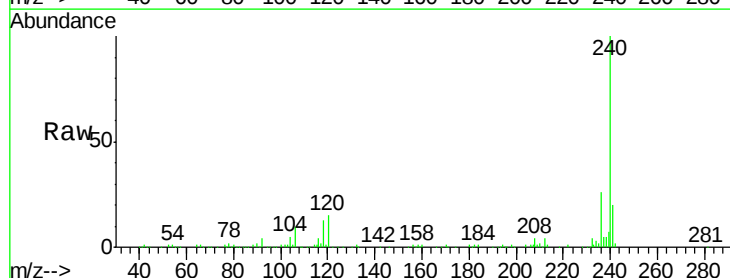
Tgt Ion:240 Resp: 232307

Ion Ratio Lower Upper

240 100

120 15.0 9.7 14.5#

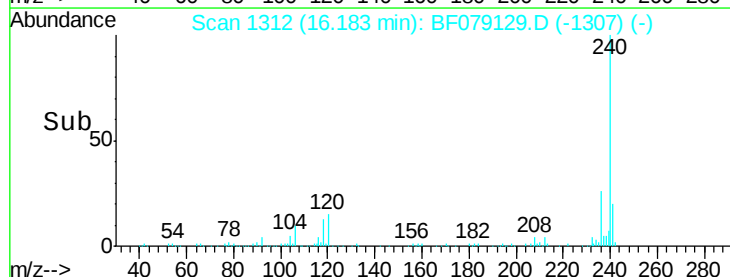
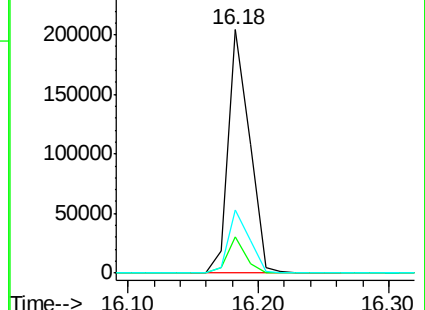
236 26.0 20.2 30.4



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: 78.00 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF079129.D

Acq: 11 May 2015 21:36

Instrument :

BNA\_F

ClientSampleId :

PB83301BL

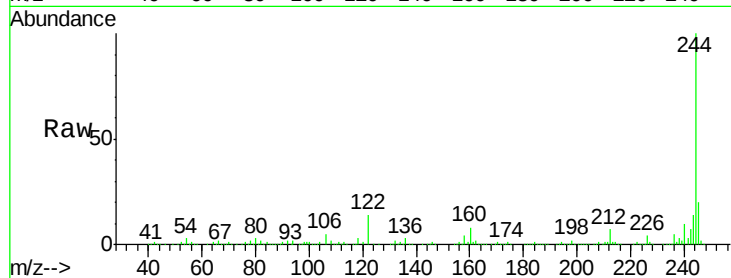
Tot Ion:244 Resp: 756881

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

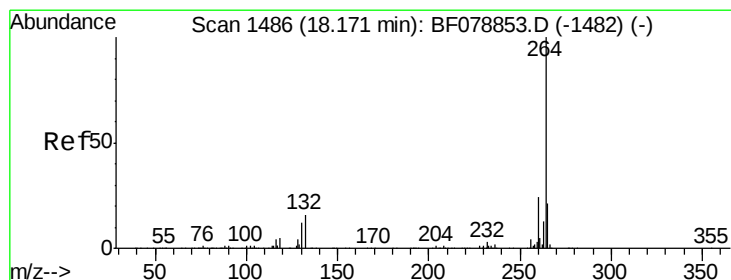
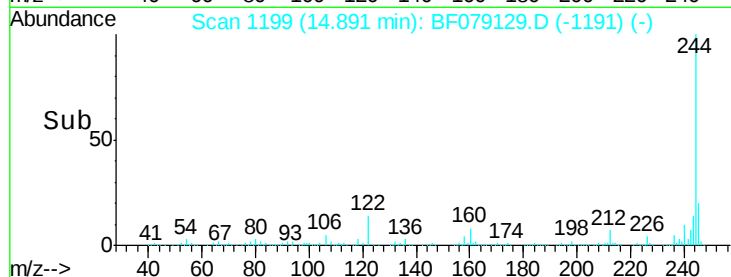
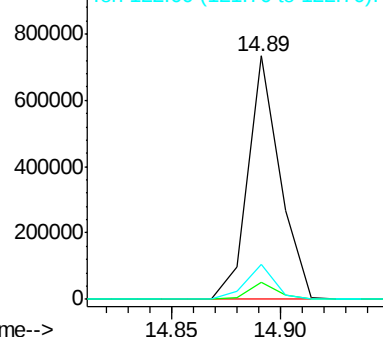
122 14.3 10.3 15.5



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: 17.90 min Scan# 1462

Delta R.T. -0.16 min

Lab File: BF079129.D

Acq: 11 May 2015 21:36

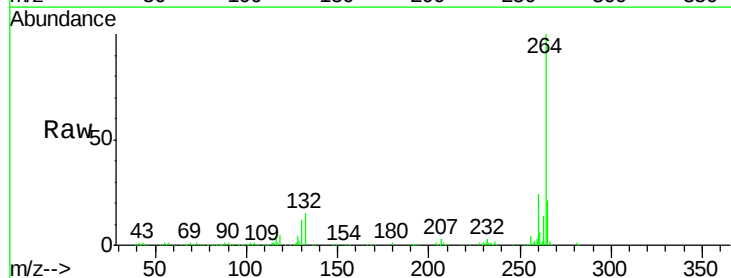
Tgt Ion:264 Resp: 249383

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.3 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

