

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\  
 Data File : BF079041.D  
 Acq On : 8 May 2015 16:50  
 Operator : TP/IZ  
 Sample : PB83154TB  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83154TB

Quant Time: May 08 23:02:32 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 08 22:44:53 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.32  | 152  | 98248    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.90  | 136  | 392999   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.07 | 164  | 196058   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.93 | 188  | 385303   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 16.22 | 240  | 371207   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 17.99 | 264  | 377167   | 20.00 | ng    | -0.09    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 557918   | 97.75 | ng    | 0.00     |
| 7) Phenol-d6                | 6.88  | 99   | 684990   | 90.79 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.01  | 82   | 394437   | 57.68 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.06 | 330  | 194605   | 91.75 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.24 | 172  | 791733   | 56.26 | ng    | -0.01    |
| 78) Terphenyl-d14           | 14.91 | 244  | 936041   | 60.37 | ng    | -0.01    |

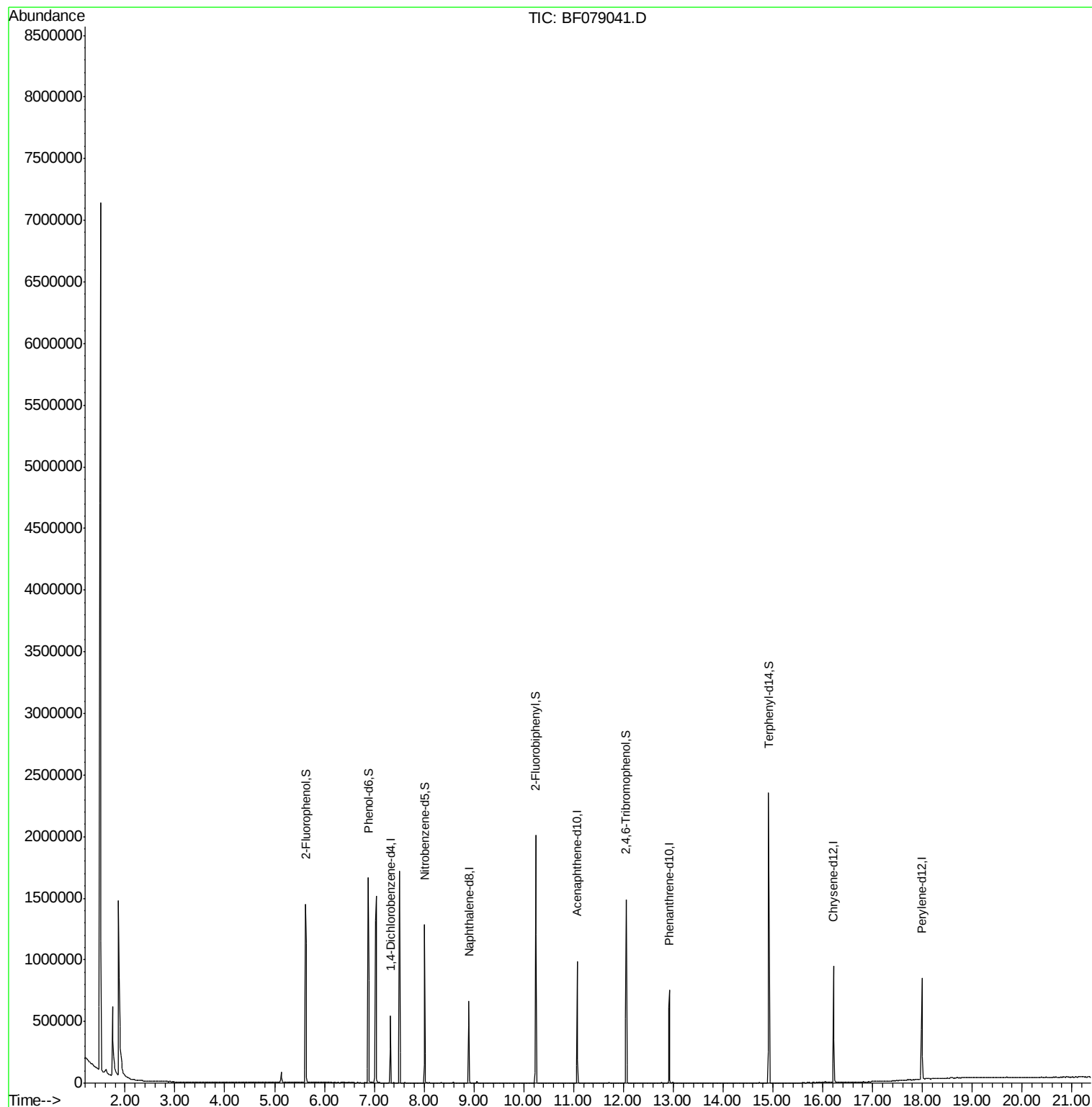
Target Compounds Qvalue

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

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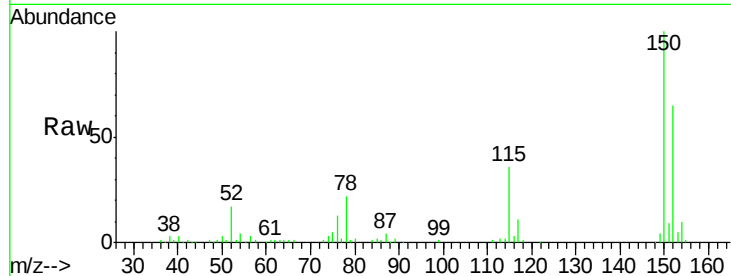


#1

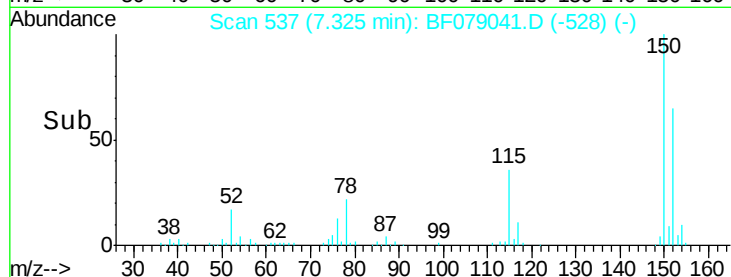
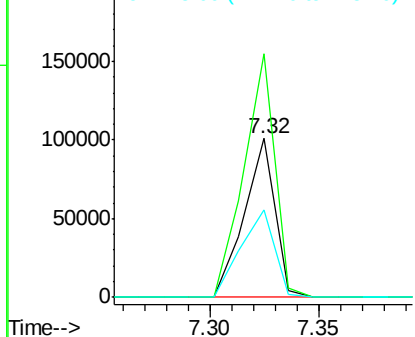
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.32 min Scan# 537  
Delta R.T. -0.00 min  
Lab File: BF079041.D  
Acq: 8 May 2015 16:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB83154TB

Tot Ion:152 Resp: 98248  
Ion Ratio Lower Upper  
152 100  
150 153.5 122.0 183.0  
115 54.9 46.3 69.5



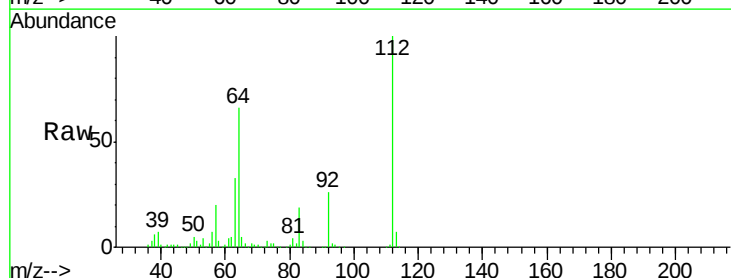
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



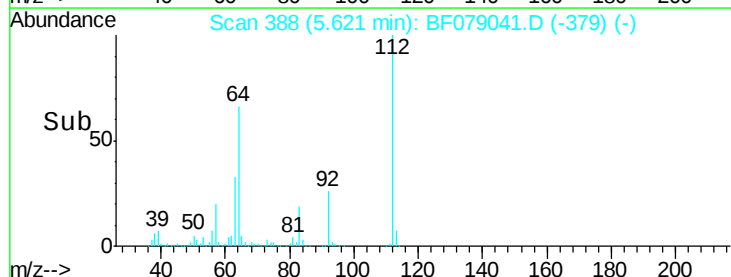
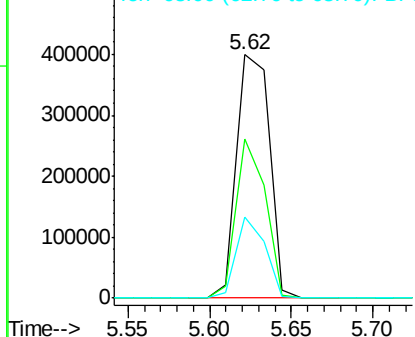
#5

2-Fluorophenol  
Concen: 97.75 ng  
RT: 5.62 min Scan# 388  
Delta R.T. -0.00 min  
Lab File: BF079041.D  
Acq: 8 May 2015 16:50

Tgt Ion:112 Resp: 557918  
Ion Ratio Lower Upper  
112 100  
64 65.5 53.5 80.3  
63 33.1 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: 90.79 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.01 min

Lab File: BF079041.D

Acq: 8 May 2015 16:50

Instrument :

BNA\_F

ClientSampleId :

PB83154TB

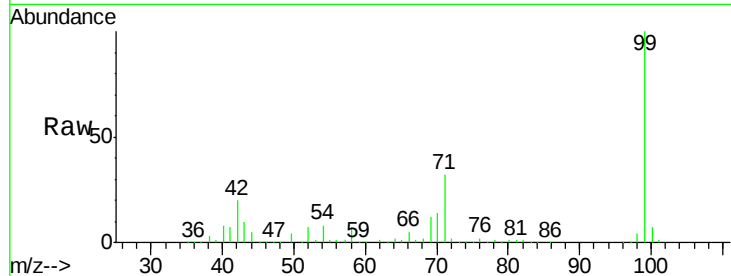
Tot Ion: 99 Resp: 684990

Ion Ratio Lower Upper

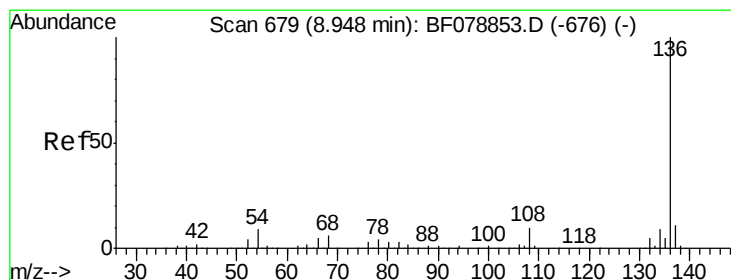
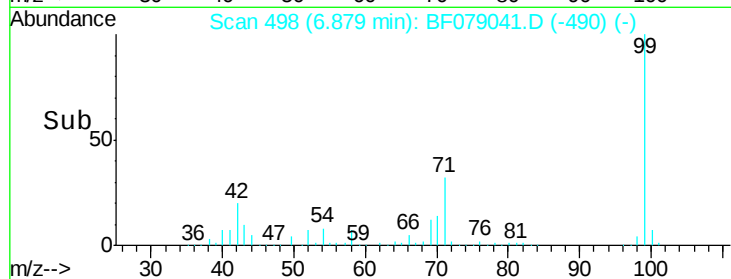
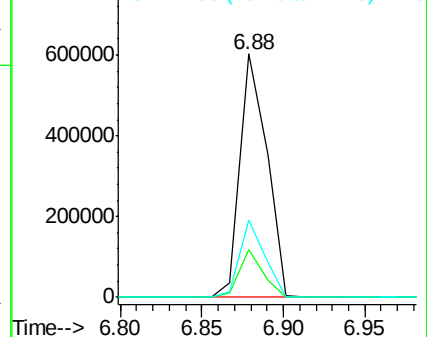
99 100

42 19.7 12.8 19.2#

71 31.8 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: 8.90 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF079041.D

Acq: 8 May 2015 16:50

Tgt Ion: 136 Resp: 392999

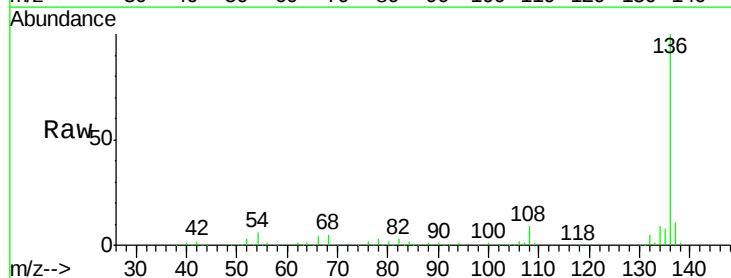
Ion Ratio Lower Upper

136 100

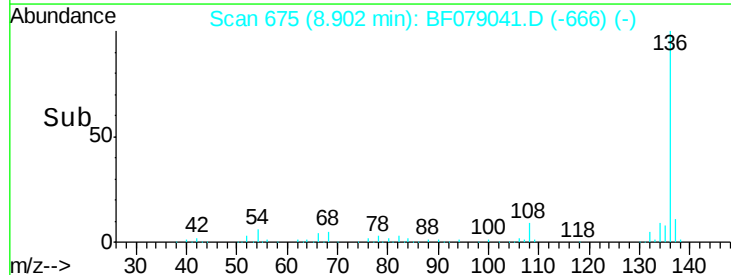
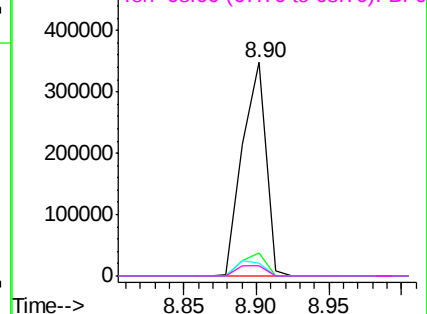
137 10.8 8.7 13.1

54 6.1 5.8 8.8

68 4.8 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

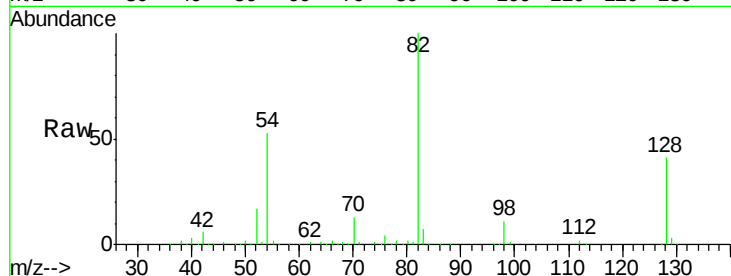




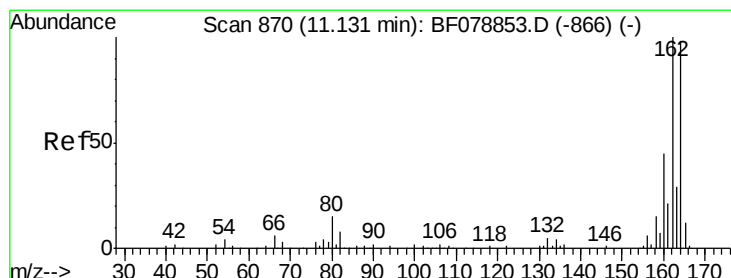
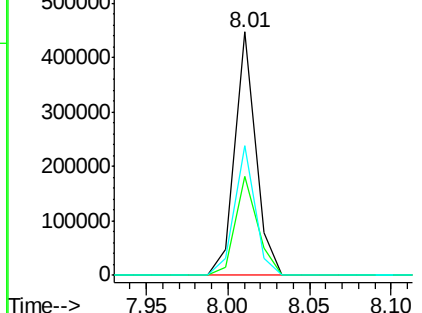
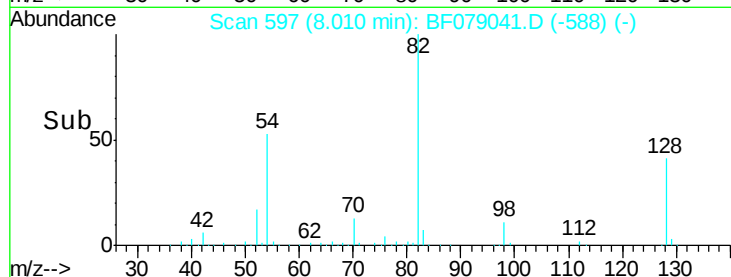
#23  
Nitrobenzene-d5  
Concen: 57.68 ng  
RT: 8.01 min Scan# 597  
Delta R.T. -0.00 min  
Lab File: BF079041.D  
Acq: 8 May 2015 16:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB83154TB

Tot Ion: 82 Resp: 394437  
Ion Ratio Lower Upper  
82 100  
128 40.8 30.0 45.0  
54 53.4 46.4 69.6

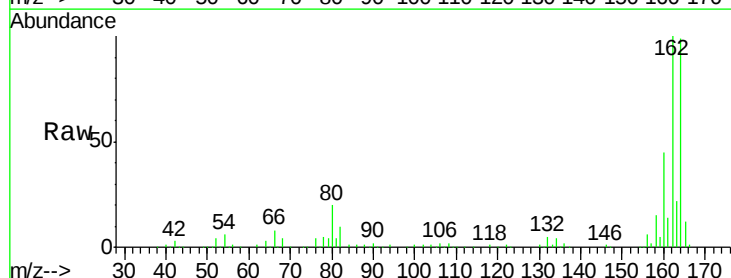


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

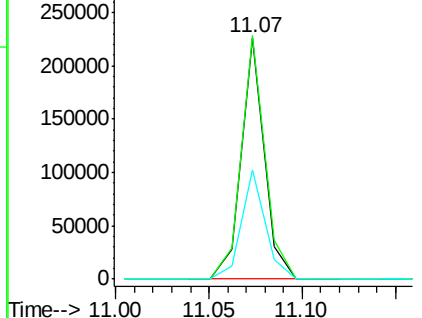
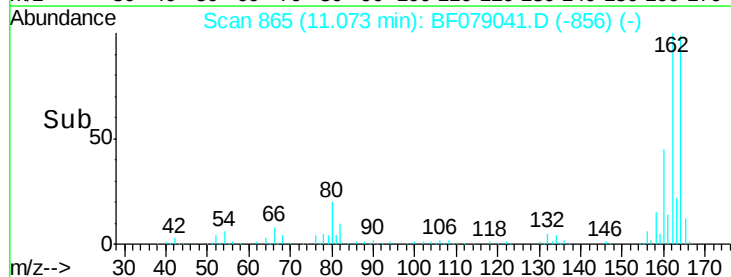


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.07 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: BF079041.D  
Acq: 8 May 2015 16:50

Tgt Ion: 164 Resp: 196058  
Ion Ratio Lower Upper  
164 100  
162 100.8 82.7 124.1  
160 45.4 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): B  
Ion 162.00 (161.70 to 162.70): B  
Ion 160.00 (159.70 to 160.70): B

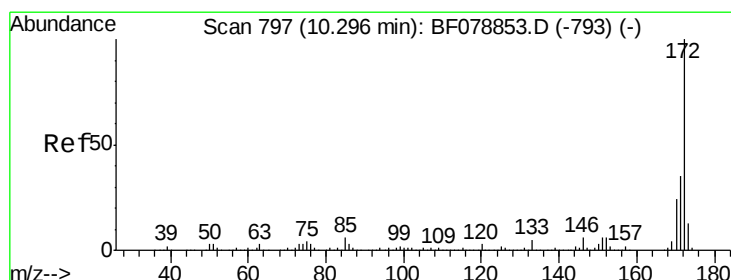
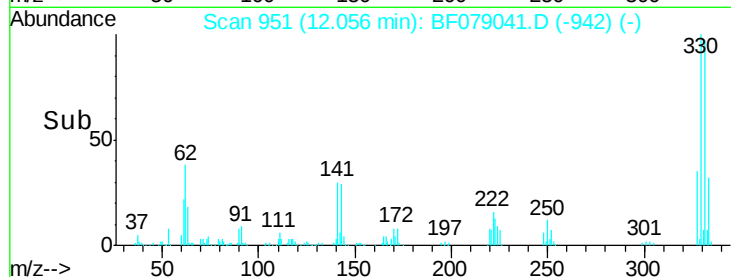
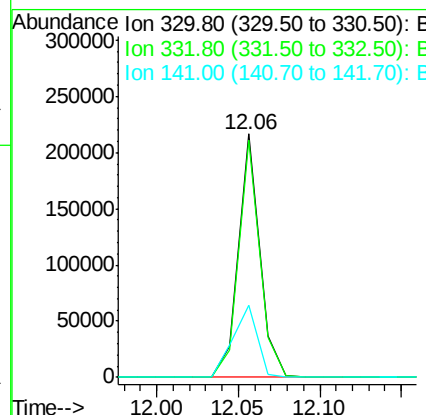
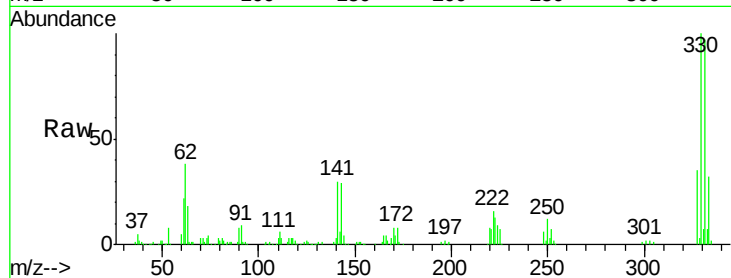




#41  
 2,4,6-Tribromophenol  
 Concen: 91.75 ng  
 RT: 12.06 min Scan# 951  
 Delta R.T. -0.00 min  
 Lab File: BF079041.D  
 Acq: 8 May 2015 16:50

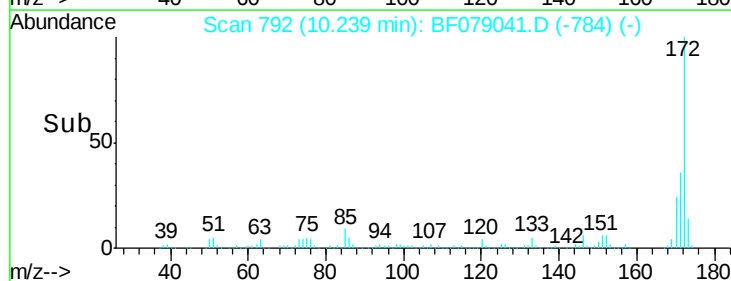
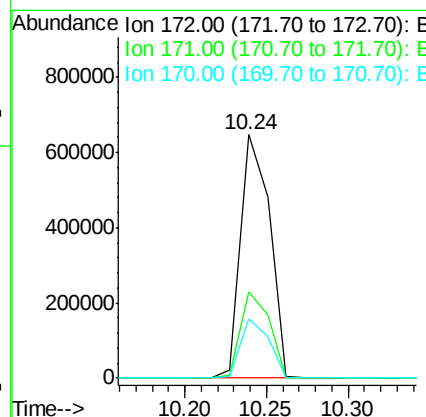
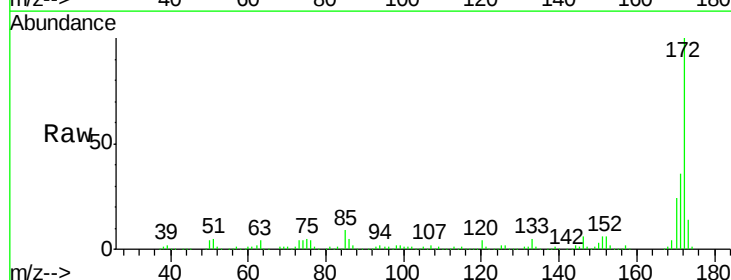
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83154TB

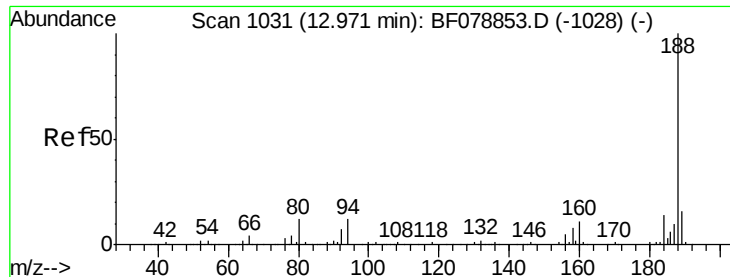
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 0.0   | 0.0#  |
| 141     | 34.1  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 56.26 ng  
 RT: 10.24 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF079041.D  
 Acq: 8 May 2015 16:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 27.9  | 41.9  |
| 170     | 24.2  | 19.4  | 29.0  |

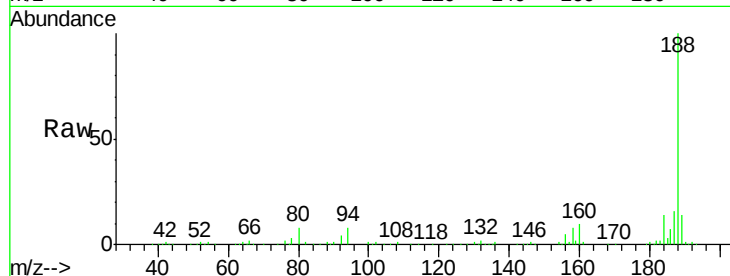




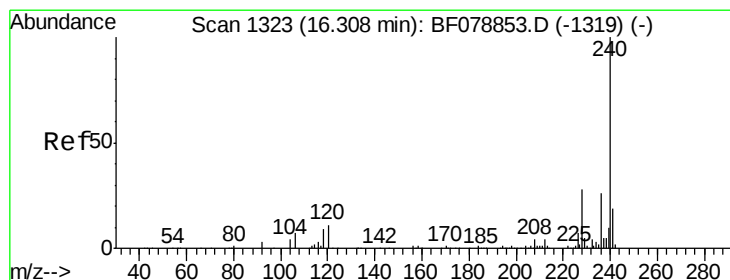
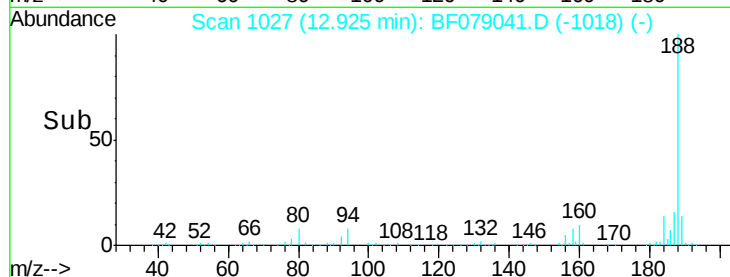
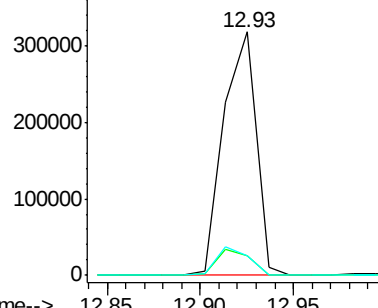
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.93 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BF079041.D  
Acq: 8 May 2015 16:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB83154TB

Tot Ion:188 Resp: 385303  
Ion Ratio Lower Upper  
188 100  
94 7.8 8.2 12.2#  
80 8.1 8.9 13.3#

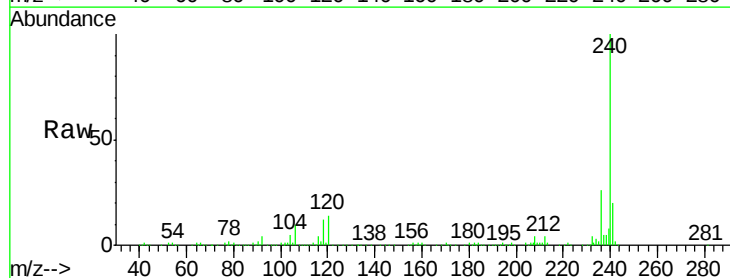


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

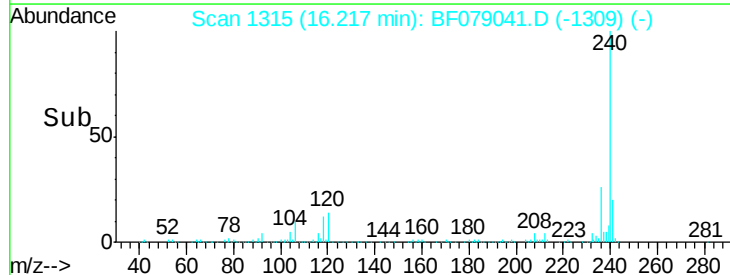
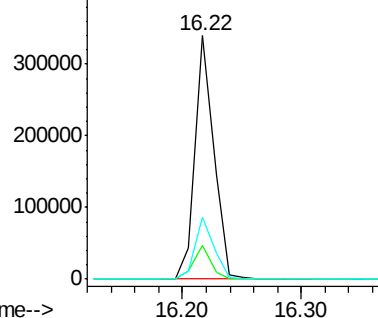


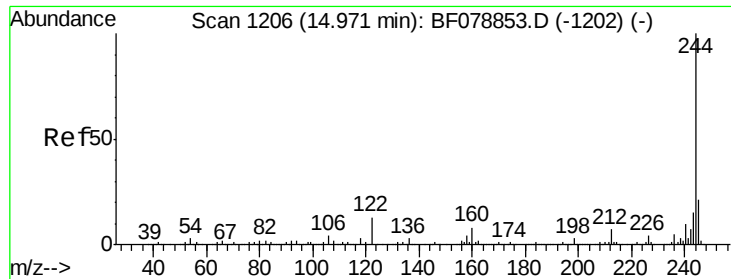
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.22 min Scan# 1315  
Delta R.T. -0.03 min  
Lab File: BF079041.D  
Acq: 8 May 2015 16:50

Tgt Ion:240 Resp: 371207  
Ion Ratio Lower Upper  
240 100  
120 14.1 9.7 14.5  
236 25.6 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

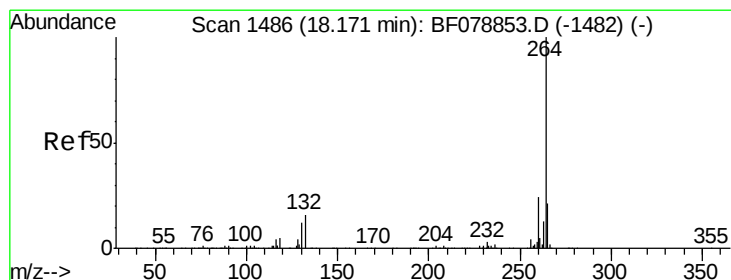
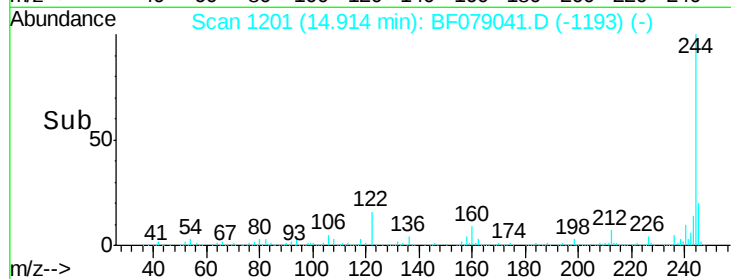
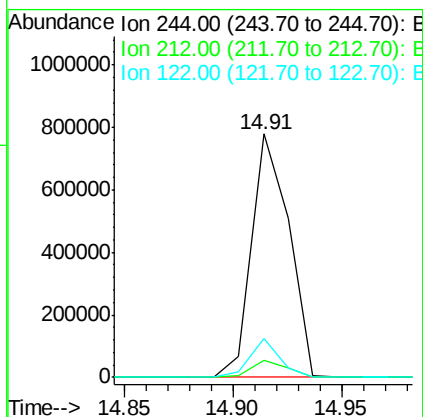
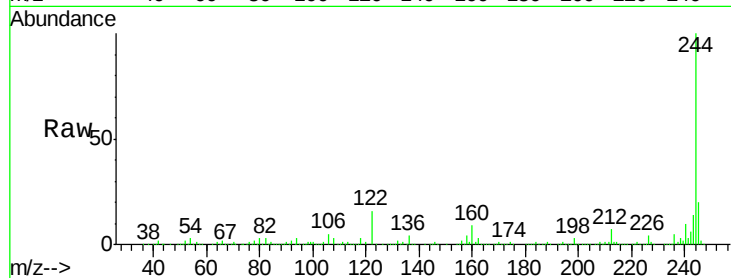




#78  
 Terphenyl-d14  
 Concen: 60.37 ng  
 RT: 14.91 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF079041.D  
 Acq: 8 May 2015 16:50

Instrument :  
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Tot Ion:244 Resp: 936041  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 16.1 10.3 15.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.99 min Scan# 1470  
 Delta R.T. -0.09 min  
 Lab File: BF079041.D  
 Acq: 8 May 2015 16:50

Tgt Ion:264 Resp: 377167  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.4 29.2  
 265 21.8 18.3 27.5

