

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\  
 Data File : BF079092.D  
 Acq On : 9 May 2015 20:53  
 Operator : TP/IZ  
 Sample : G2087-08  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B4-5-7

Quant Time: May 11 02:31:41 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 11 01:50:36 2015  
 Response via : Initial Calibration

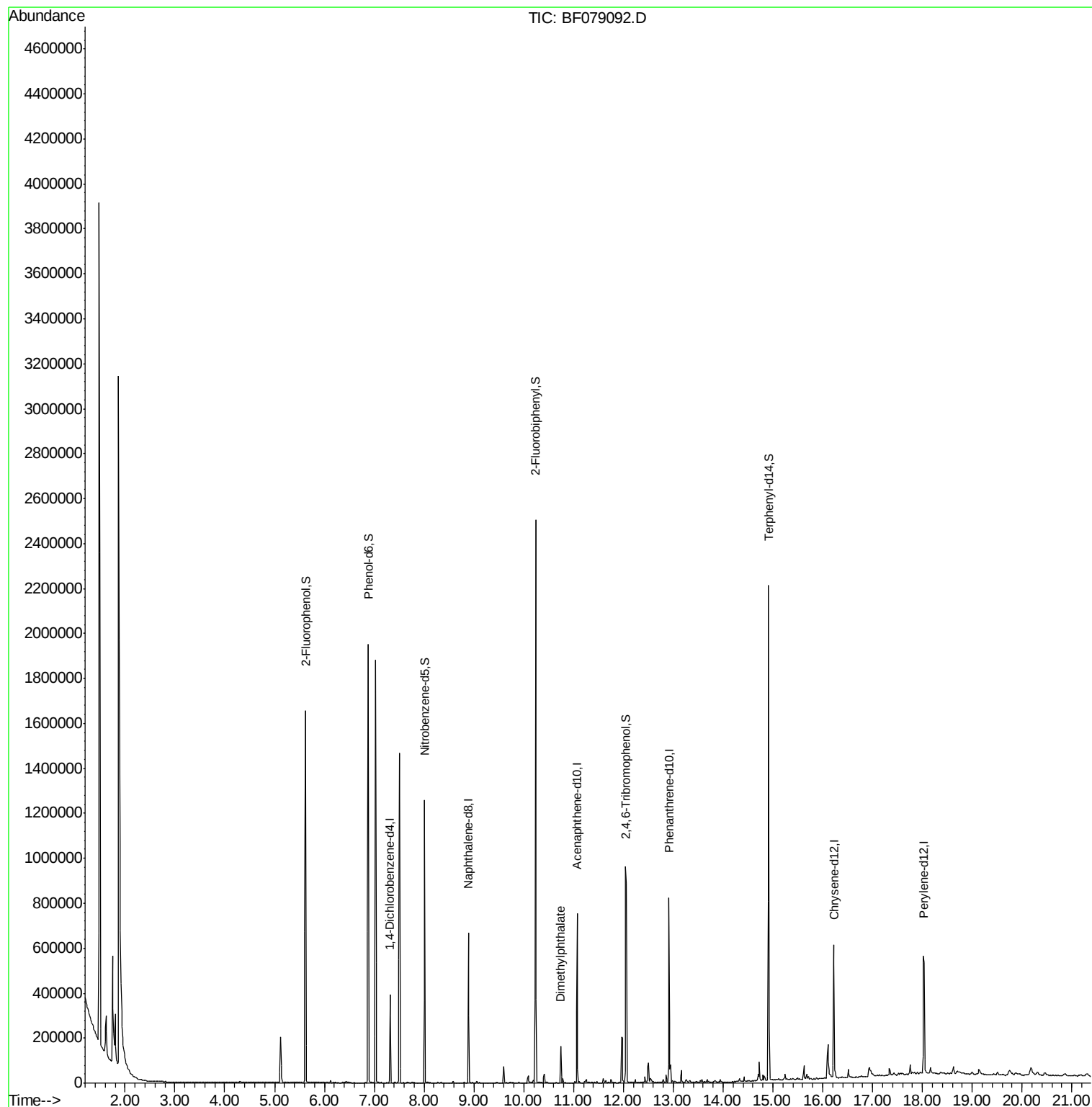
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.31  | 152  | 80680    | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 8.89  | 136  | 339387   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 11.07 | 164  | 170956   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 12.91 | 188  | 321116   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 16.23 | 240  | 297863   | 20.00  | ng    | 0.02         |
| 86) Perylene-d12            | 18.03 | 264  | 295197   | 20.00  | ng    | 0.11         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.62  | 112  | 506861   | 108.14 | ng    | 0.00         |
| 7) Phenol-d6                | 6.88  | 99   | 697473   | 112.58 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.01  | 82   | 398513   | 67.48  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 12.06 | 330  | 182490   | 98.67  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 10.24 | 172  | 740094   | 60.31  | ng    | 0.00         |
| 78) Terphenyl-d14           | 14.91 | 244  | 778593   | 62.58  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 10.74 | 163  | 65115    | 5.19   | ng    | Qvalue<br>99 |

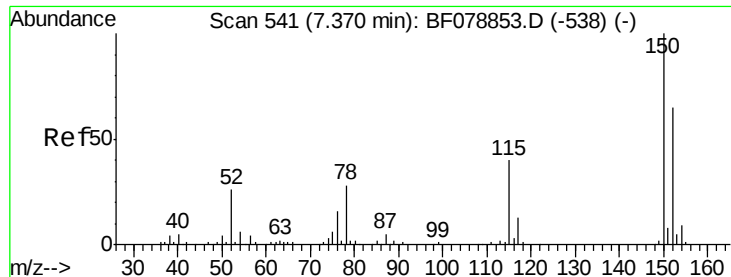
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\  
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Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_F  
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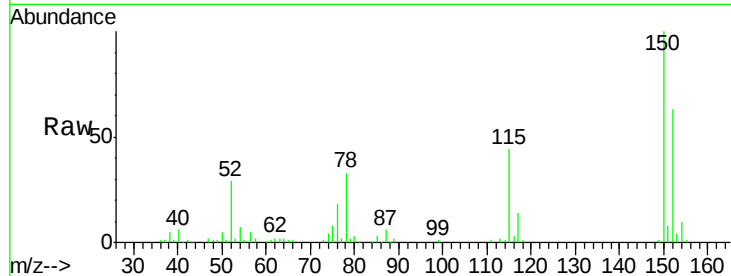


#1

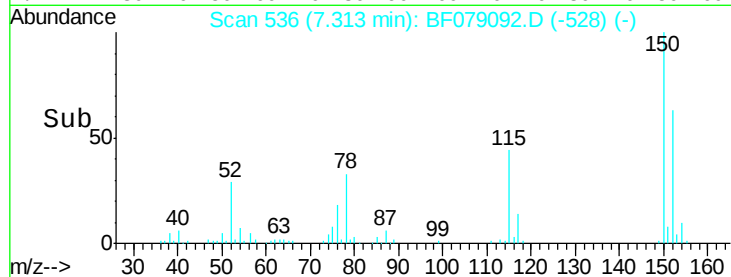
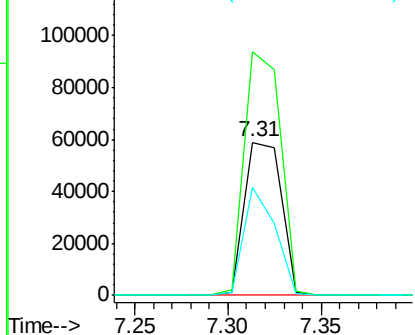
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.31 min Scan# 536  
Delta R.T. -0.01 min  
Lab File: BF079092.D  
Acq: 9 May 2015 20:53

Instrument :  
BNA\_F  
ClientSampleId :  
B4-5-7

Tot Ion:152 Resp: 80680  
Ion Ratio Lower Upper  
152 100  
150 158.8 122.0 183.0  
115 70.6 46.3 69.5#



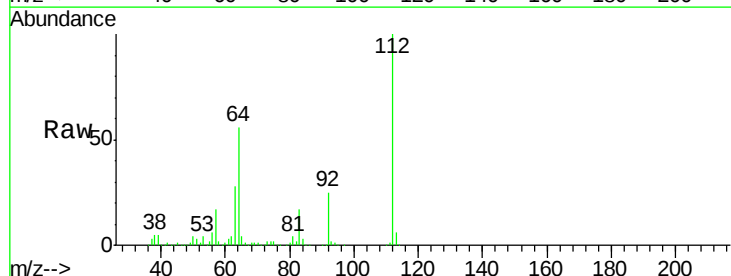
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



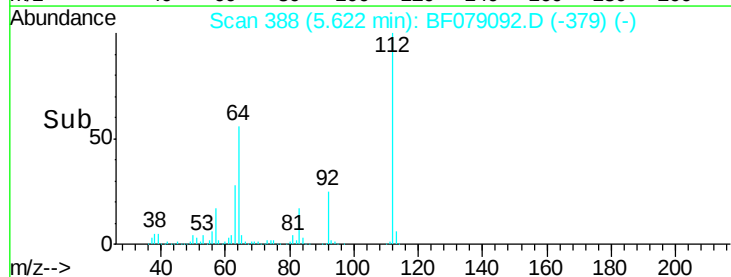
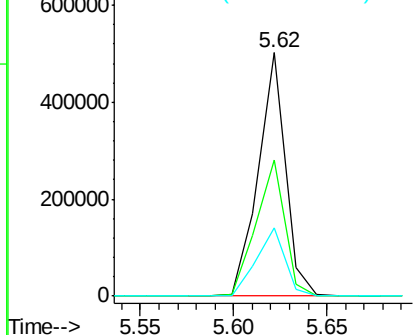
#5

2-Fluorophenol  
Concen: 108.14 ng  
RT: 5.62 min Scan# 388  
Delta R.T. 0.00 min  
Lab File: BF079092.D  
Acq: 9 May 2015 20:53

Tgt Ion:112 Resp: 506861  
Ion Ratio Lower Upper  
112 100  
64 55.8 53.5 80.3  
63 28.2 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: 112.58 ng

RT: 6.88 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF079092.D

Acq: 9 May 2015 20:53

Instrument :

BNA\_F

ClientSampleId :

B4-5-7

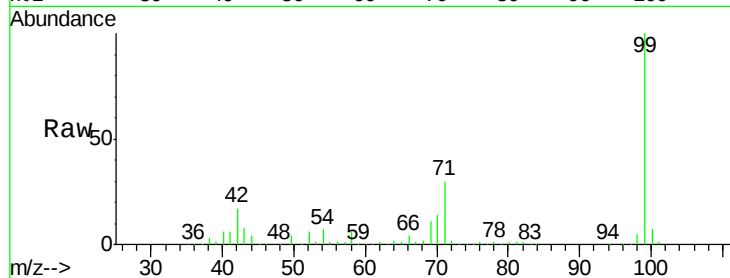
Tot Ion: 99 Resp: 697473

Ion Ratio Lower Upper

99 100

42 16.7 12.8 19.2

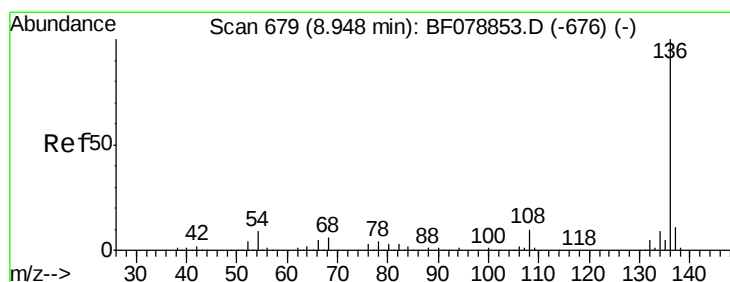
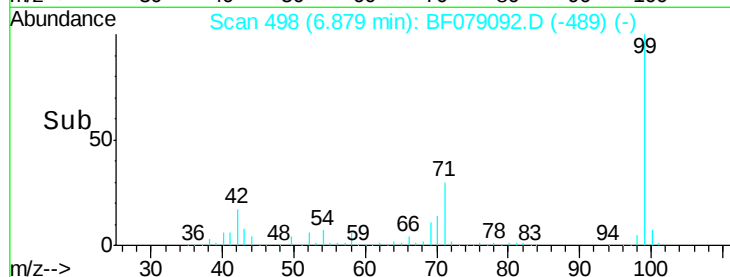
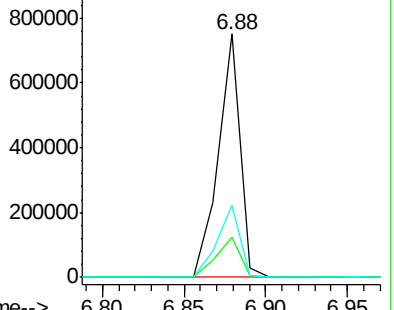
71 29.7 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.89 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF079092.D

Acq: 9 May 2015 20:53

Tgt Ion: 136 Resp: 339387

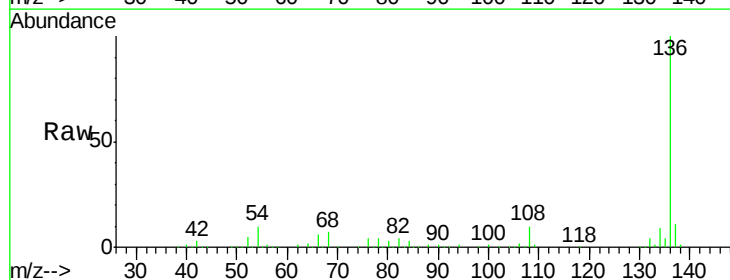
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 9.6 5.8 8.8#

68 7.0 4.2 6.4#

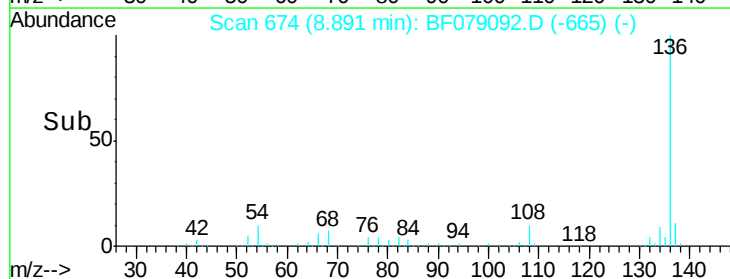
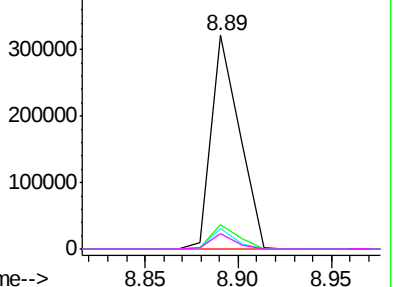


Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

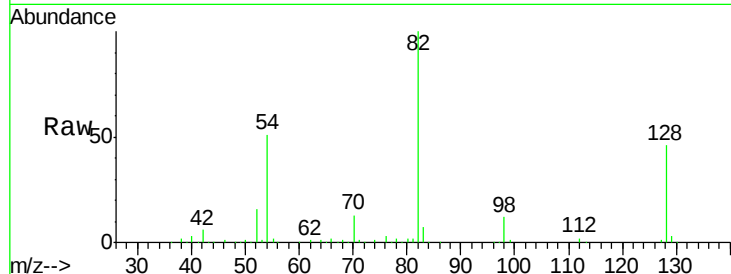




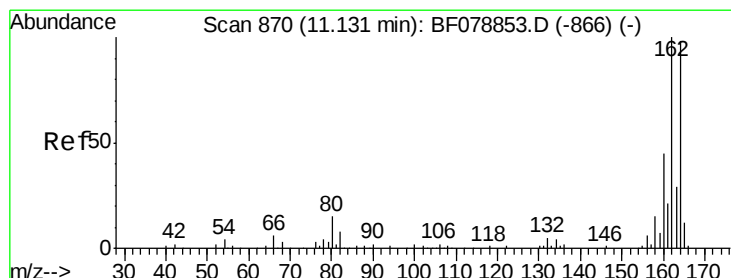
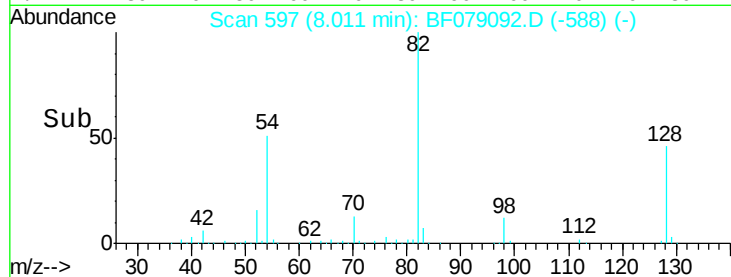
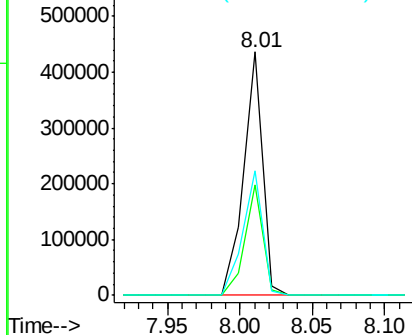
#23  
 Nitrobenzene-d5  
 Concen: 67.48 ng  
 RT: 8.01 min Scan# 597  
 Delta R.T. 0.00 min  
 Lab File: BF079092.D  
 Acq: 9 May 2015 20:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B4-5-7

| Tot Ion   | 82   | Resp  | 398513 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.5 | 30.0  | 45.0#  |
| 54        | 51.0 | 46.4  | 69.6   |

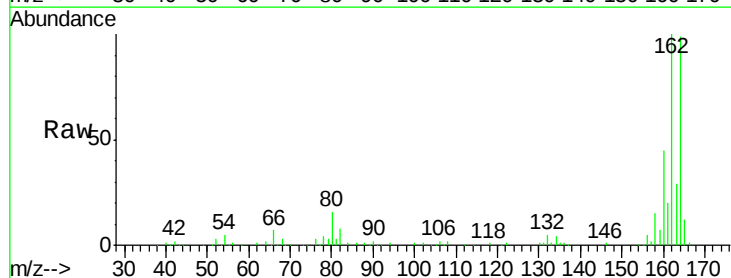


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

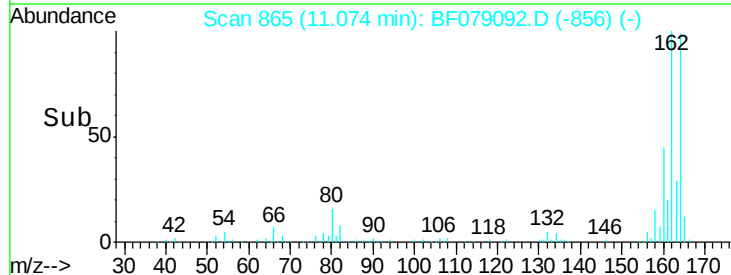
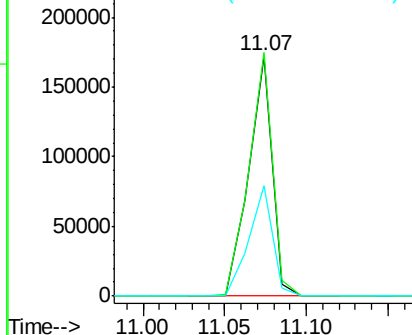


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.07 min Scan# 865  
 Delta R.T. 0.00 min  
 Lab File: BF079092.D  
 Acq: 9 May 2015 20:53

| Tgt Ion   | 164   | Resp  | 170956 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 101.5 | 82.7  | 124.1  |
| 160       | 46.0  | 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

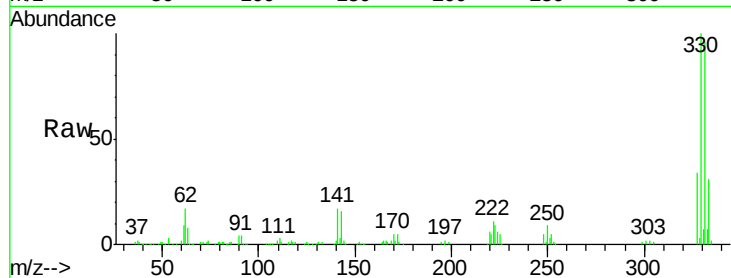




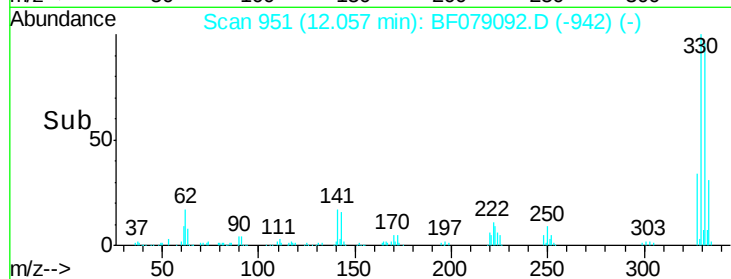
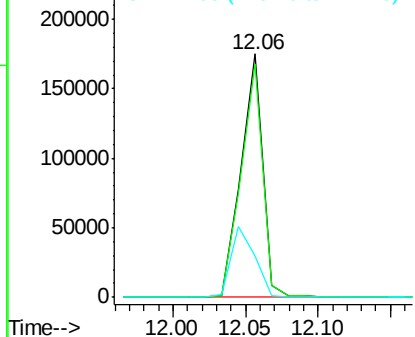
#41  
 2,4,6-Tribromophenol  
 Concen: 98.67 ng  
 RT: 12.06 min Scan# 951  
 Delta R.T. 0.00 min  
 Lab File: BF079092.D  
 Acq: 9 May 2015 20:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B4-5-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 0.0   | 0.0#  |
| 141     | 31.9  | 0.0   | 0.0#  |

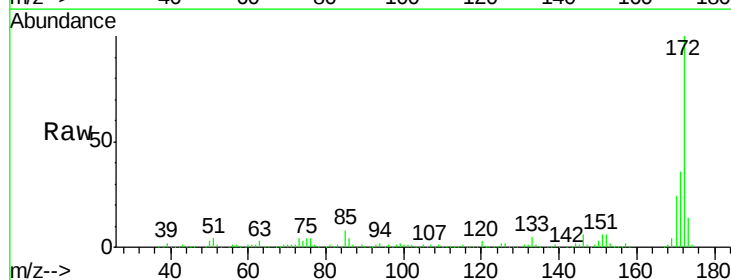


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

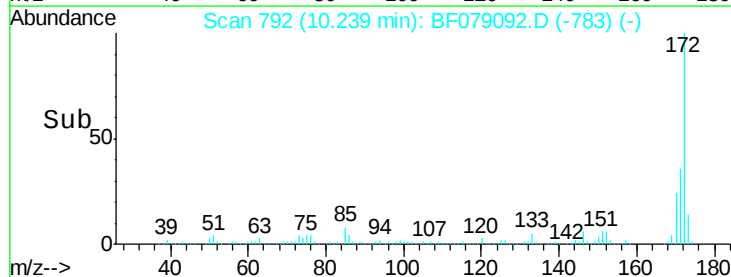
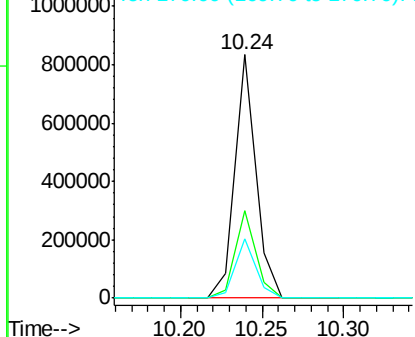


#44  
 2-Fluorobiphenyl  
 Concen: 60.31 ng  
 RT: 10.24 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF079092.D  
 Acq: 9 May 2015 20:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 27.9  | 41.9  |
| 170     | 24.4  | 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





#49

Dimethylphthalate

Concen: 5.19 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF079092.D

Acq: 9 May 2015 20:53

Instrument :

BNA\_F

ClientSampleID :

B4-5-7

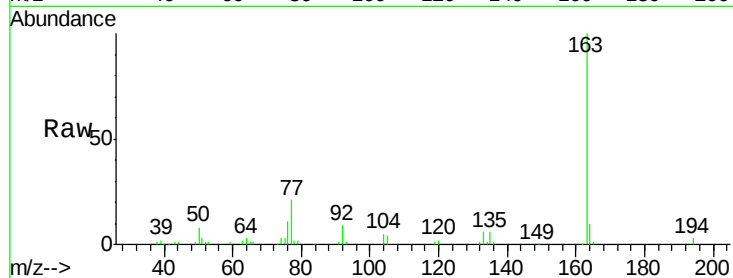
Tot Ion:163 Resp: 65115

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

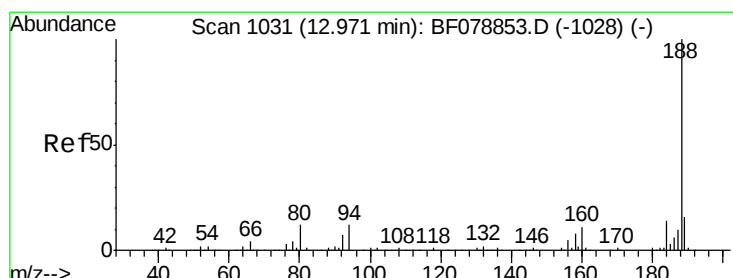
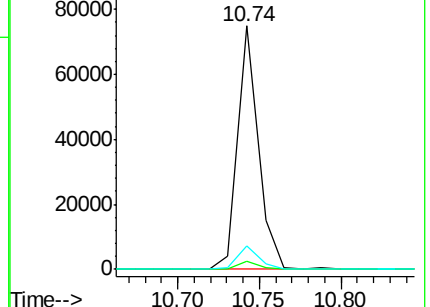
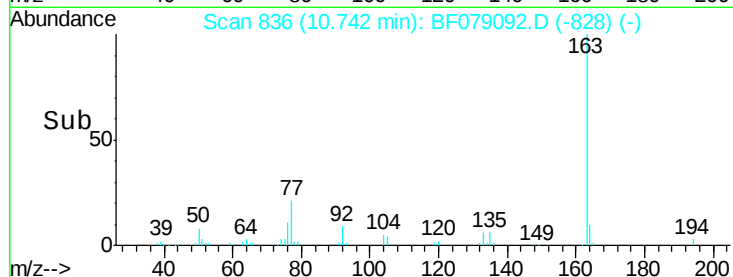
164 9.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.91 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF079092.D

Acq: 9 May 2015 20:53

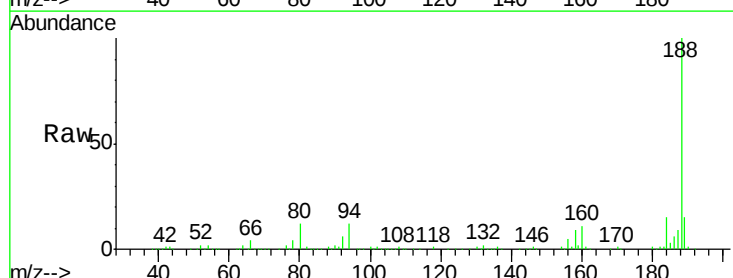
Tgt Ion:188 Resp: 321116

Ion Ratio Lower Upper

188 100

94 11.6 8.2 12.2

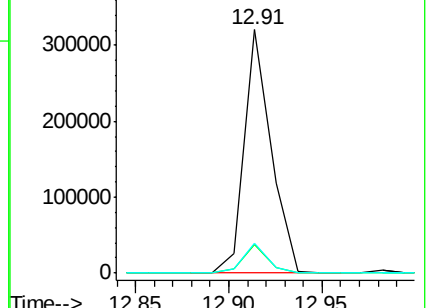
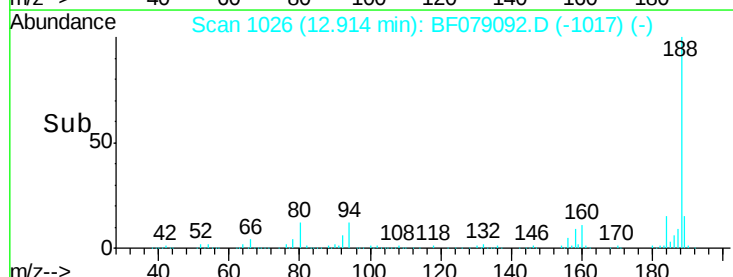
80 12.5 8.9 13.3

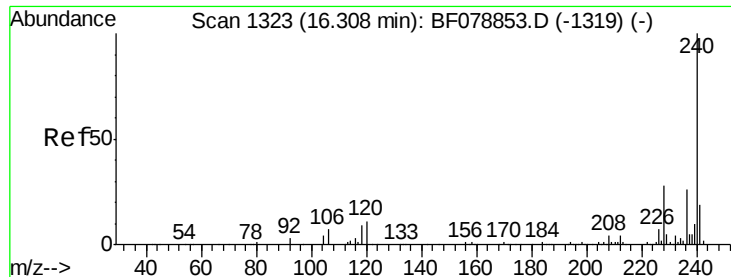


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

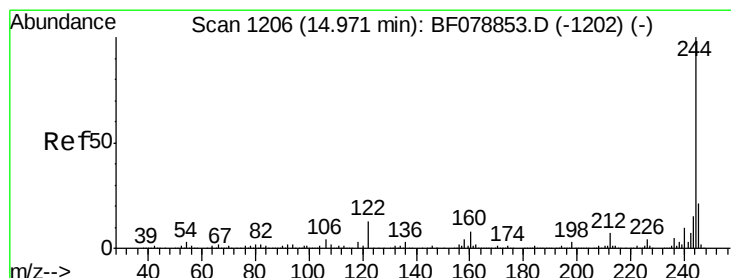
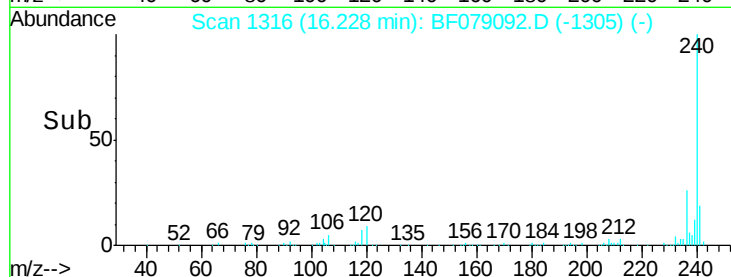
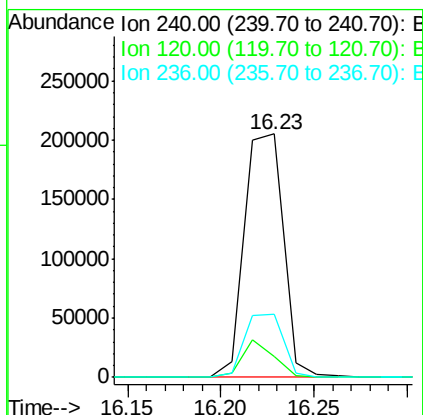
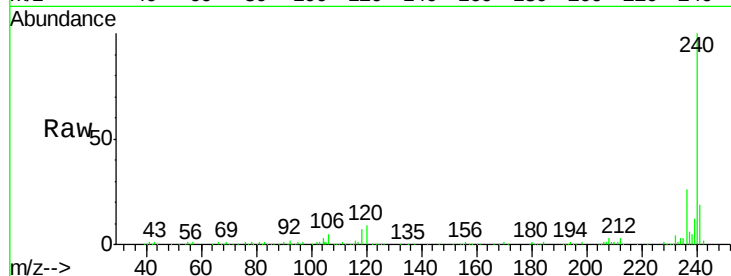




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 16.23 min Scan# 1316  
 Delta R.T. 0.02 min  
 Lab File: BF079092.D  
 Acq: 9 May 2015 20:53

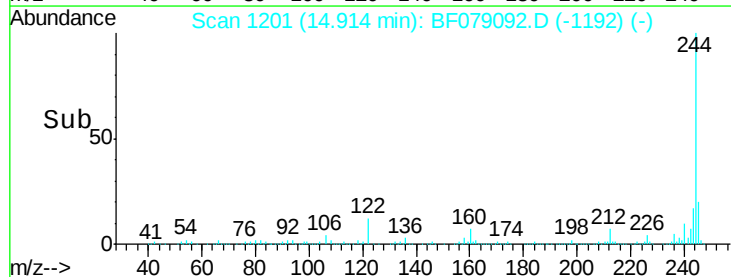
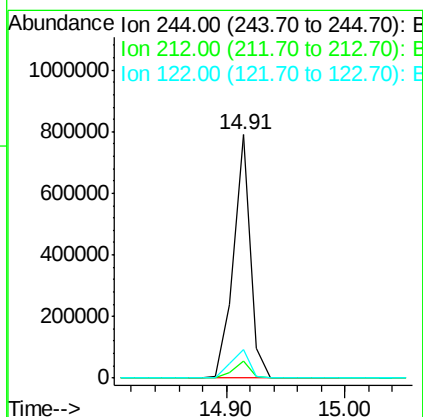
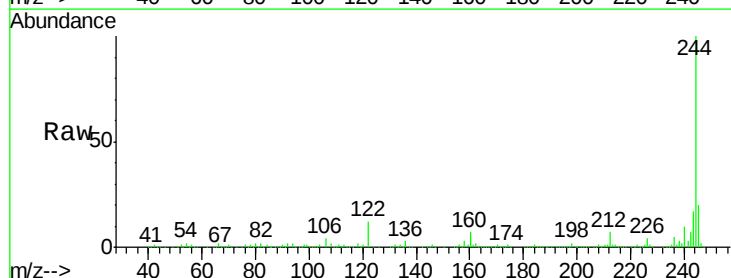
Instrument :  
 BNA\_F  
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 B4-5-7

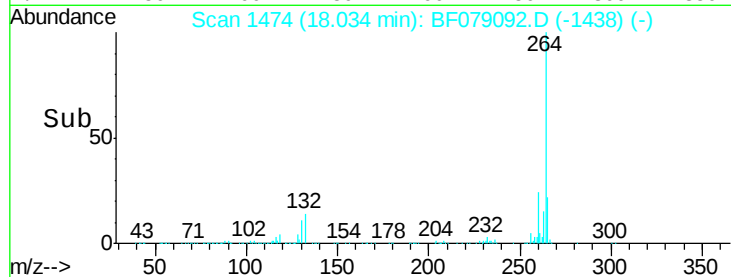
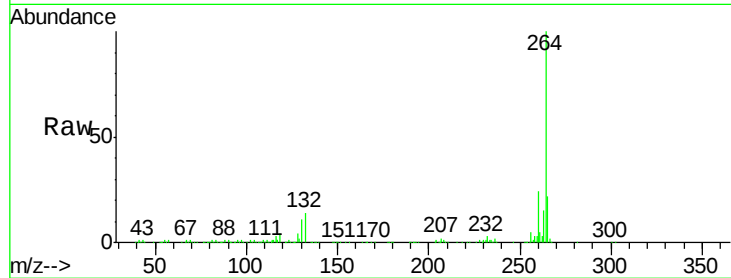
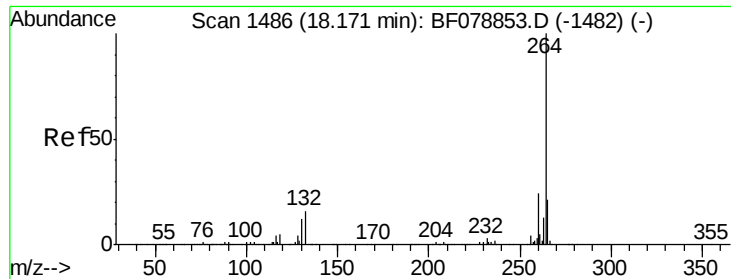
Tot Ion:240 Resp: 297863  
 Ion Ratio Lower Upper  
 240 100  
 120 8.5 9.7 14.5#  
 236 25.7 20.2 30.4



#78  
 Terphenyl-d14  
 Concen: 62.58 ng  
 RT: 14.91 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: BF079092.D  
 Acq: 9 May 2015 20:53

Tgt Ion:244 Resp: 778593  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 11.6 10.3 15.5





#86

Pervlene-d12

Concen: 20.00 ng

RT: 18.03 min Scan# 1474

Delta R.T. 0.11 min

Lab File: BF079092.D

Acq: 9 May 2015 20:53

Instrument :

BNA\_F

ClientSampleId :

B4-5-7

Tot Ion:264 Resp: 295197

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.8 18.3 27.5

