

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042915\  
 Data File : BF078821.D  
 Acq On : 29 Apr 2015 18:58  
 Operator : TP/IZ  
 Sample : G2041-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB4-27-15

Quant Time: Apr 30 01:15:42 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 30 00:55:08 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 75906    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.96  | 136  | 314730   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.14 | 164  | 139306   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.98 | 188  | 266460   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.30 | 240  | 261580   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 18.10 | 264  | 249282   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.68  | 112  | 256743   | 62.12  | ng    | 0.00     |
| 7) Phenol-d6                | 6.92  | 99   | 203236   | 36.82  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.07  | 82   | 403525   | 92.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.13 | 330  | 176021   | 127.21 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.31 | 172  | 912660   | 89.72  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.98 | 244  | 999609   | 91.01  | ng    | 0.00     |

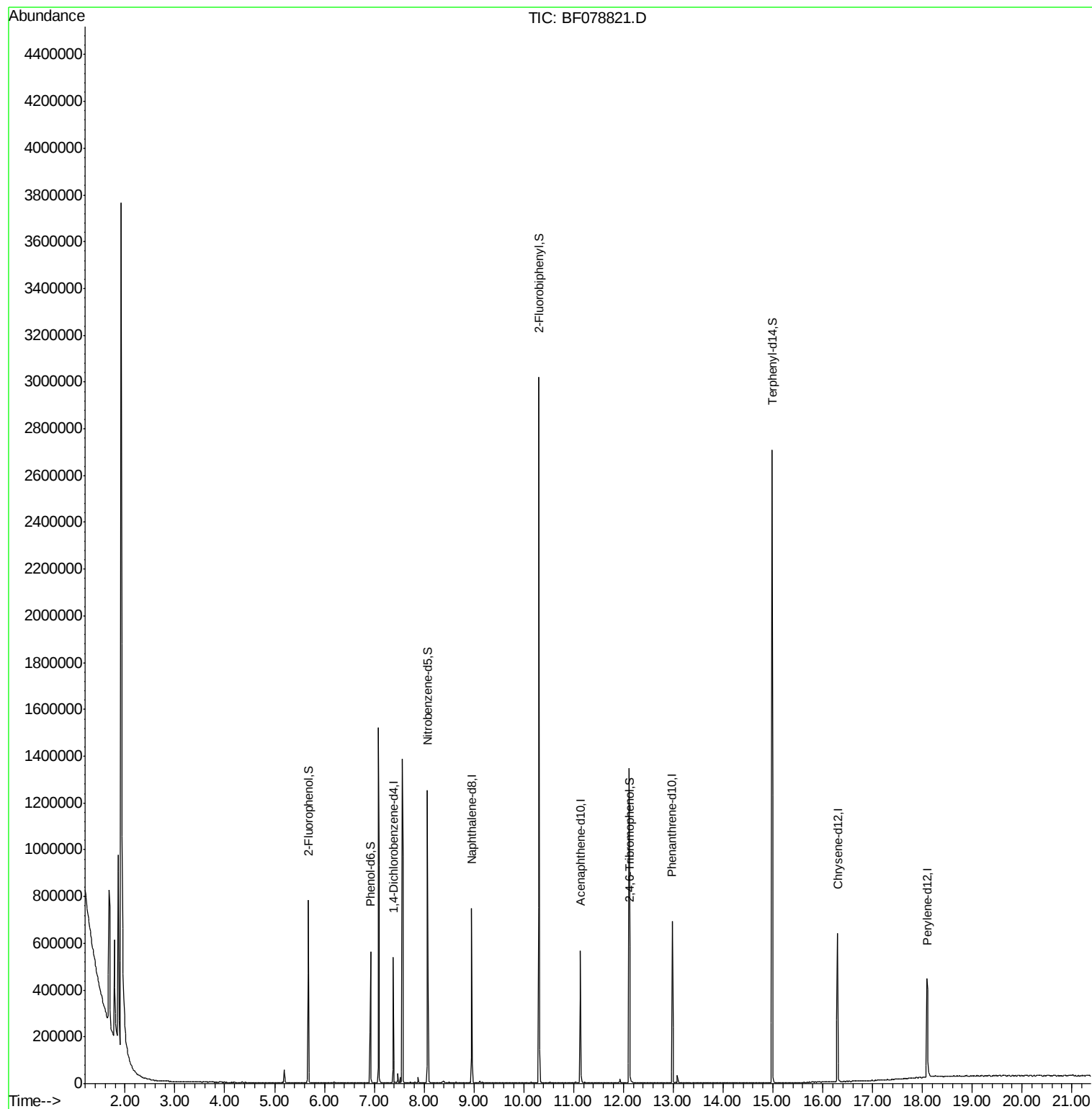
Target Compounds Qvalue

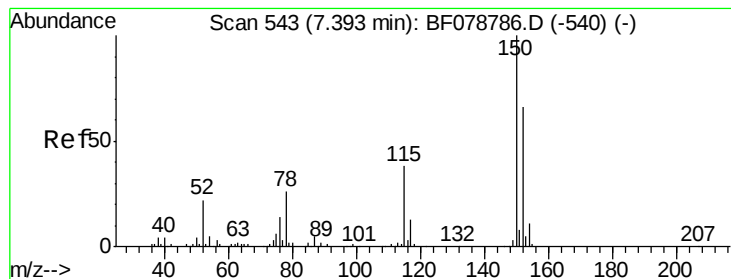
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042815.M  
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QLast Update : Thu Apr 30 00:55:08 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF078821.D

Acq: 29 Apr 2015 18:58

Instrument :

BNA\_F

ClientSampleId :

FB4-27-15

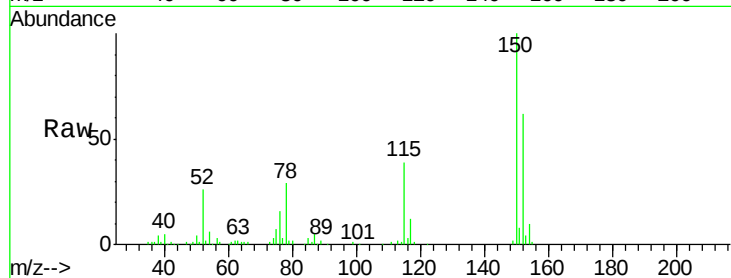
Tot Ion:152 Resp: 75906

Ion Ratio Lower Upper

152 100

150 160.2 122.0 183.0

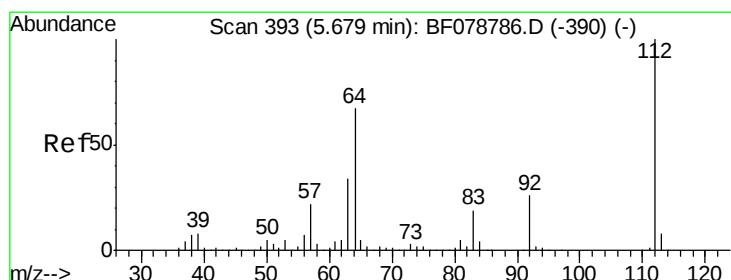
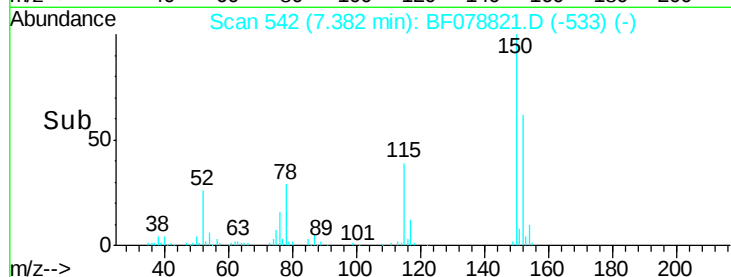
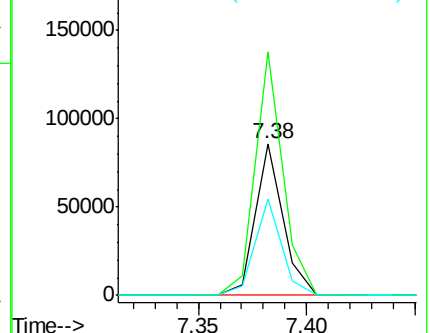
115 63.1 46.3 69.5



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: 62.12 ng

RT: 5.68 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF078821.D

Acq: 29 Apr 2015 18:58

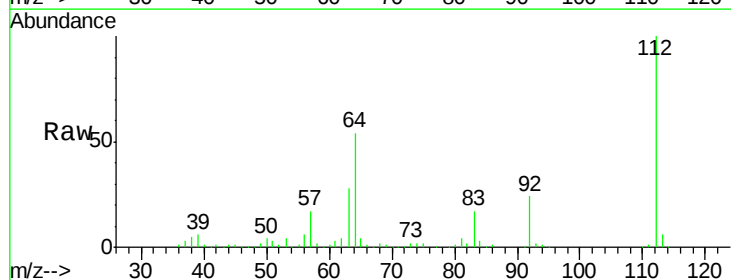
Tgt Ion:112 Resp: 256743

Ion Ratio Lower Upper

112 100

64 54.5 53.5 80.3

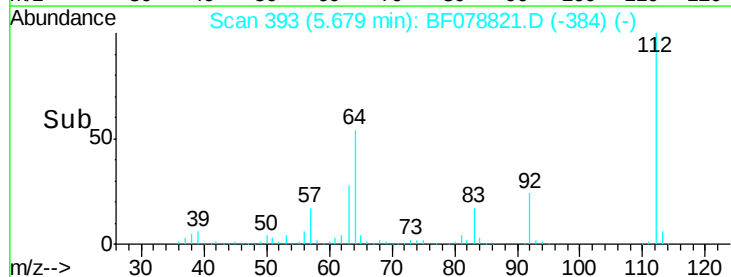
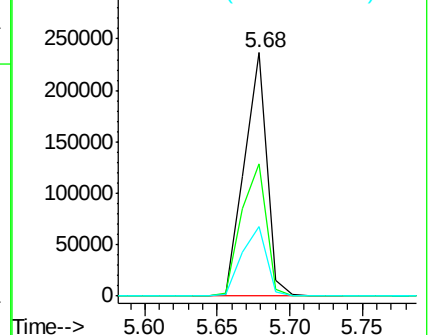
63 28.3 27.5 41.3

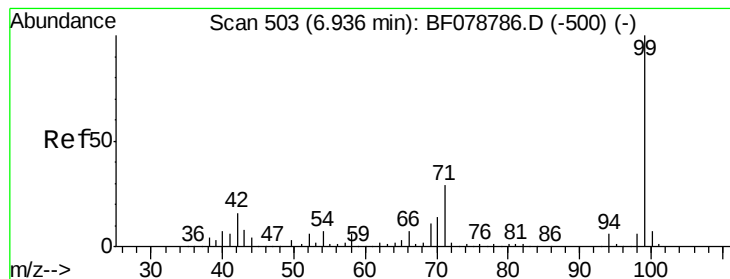


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.82 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF078821.D

Acq: 29 Apr 2015 18:58

Instrument :

BNA\_F

ClientSampleId :

FB4-27-15

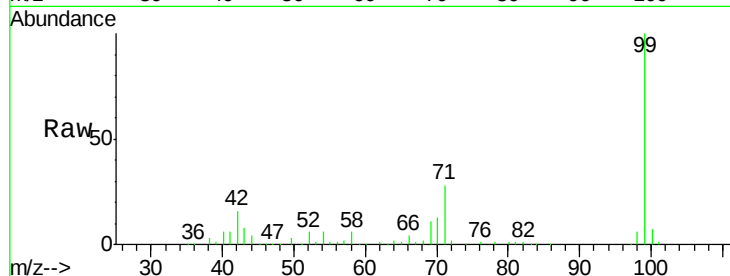
Tot Ion: 99 Resp: 203236

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

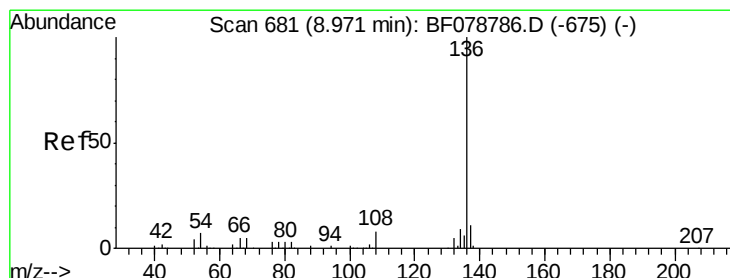
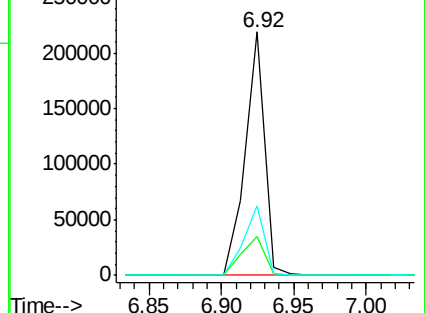
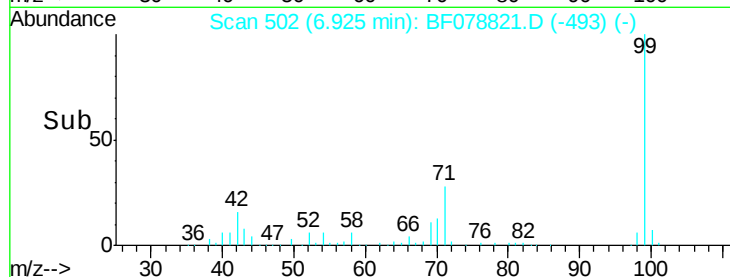
71 28.4 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078821.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BF078821.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BF078821.D (-493) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF078821.D

Acq: 29 Apr 2015 18:58

Tgt Ion: 136 Resp: 314730

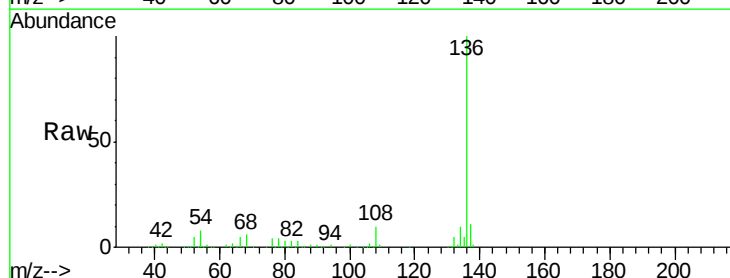
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 8.0 5.8 8.8

68 5.8 4.2 6.4

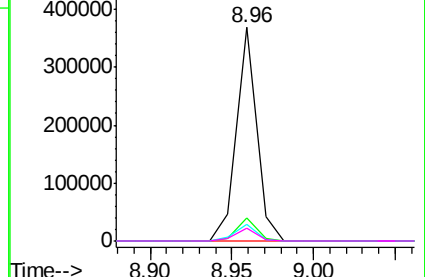
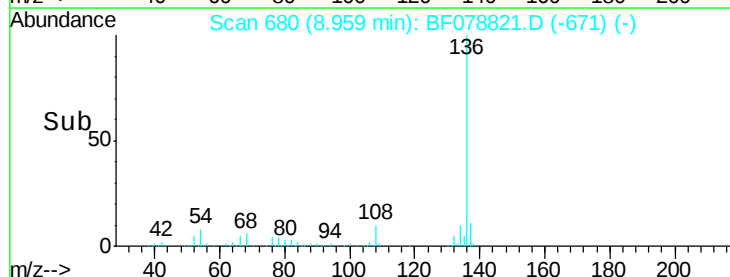


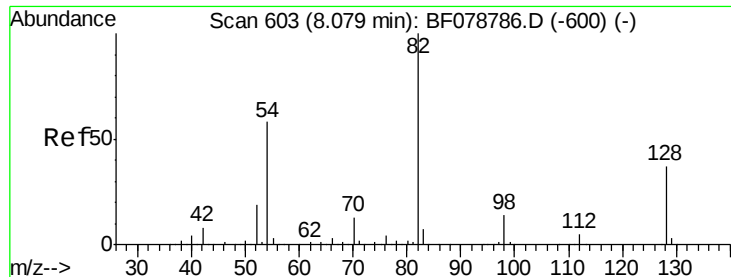
Abundance Ion 136.00 (135.70 to 136.70): BF078821.D (-671) (-)

Ion 137.00 (136.70 to 137.70): BF078821.D (-671) (-)

Ion 54.00 (53.70 to 54.70): BF078821.D (-671) (-)

Ion 68.00 (67.70 to 68.70): BF078821.D (-671) (-)

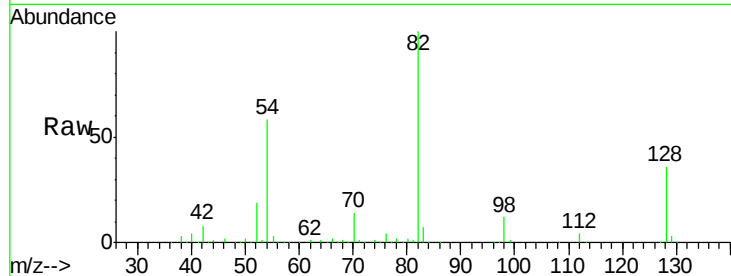




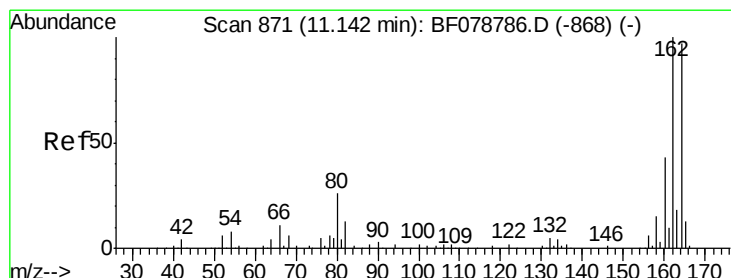
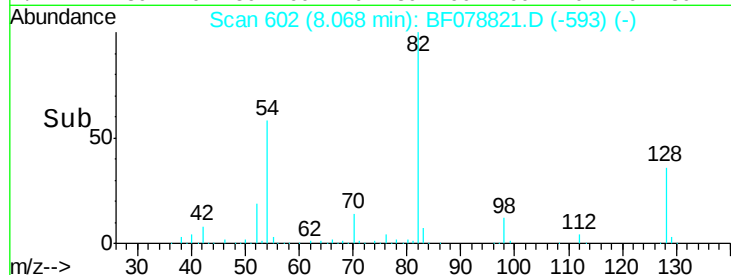
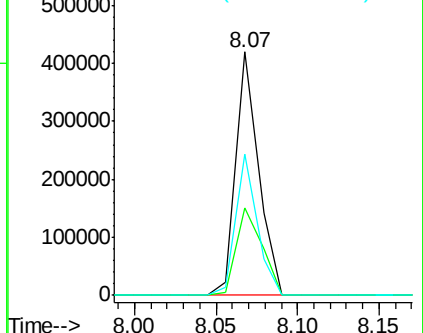
#23  
 Nitrobenzene-d5  
 Concen: 92.31 ng  
 RT: 8.07 min Scan# 602  
 Delta R.T. 0.00 min  
 Lab File: BF078821.D  
 Acq: 29 Apr 2015 18:58

Instrument :  
 BNA\_F  
 ClientSampleID :  
 FB4-27-15

| Tot Ion   | 82   | Resp  | 403525 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 36.0 | 30.0  | 45.0   |
| 54        | 57.8 | 46.4  | 69.6   |

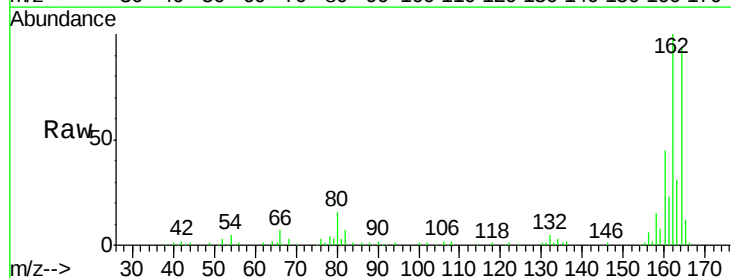


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

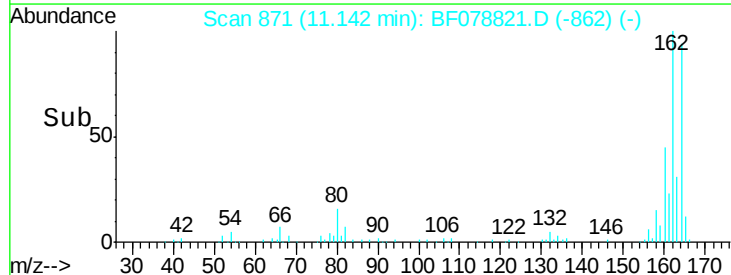
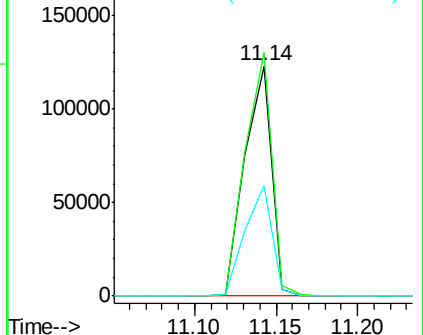


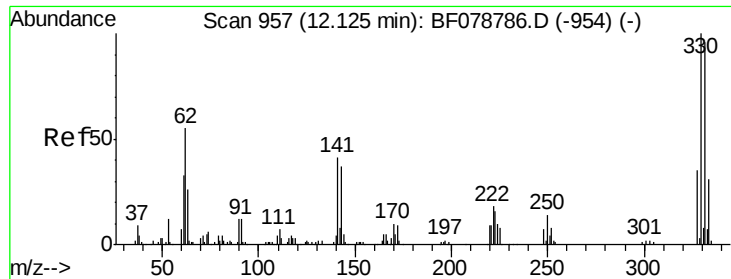
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.14 min Scan# 871  
 Delta R.T. 0.00 min  
 Lab File: BF078821.D  
 Acq: 29 Apr 2015 18:58

| Tgt Ion   | 164   | Resp  | 139306 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 106.1 | 82.7  | 124.1  |
| 160       | 48.2  | 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

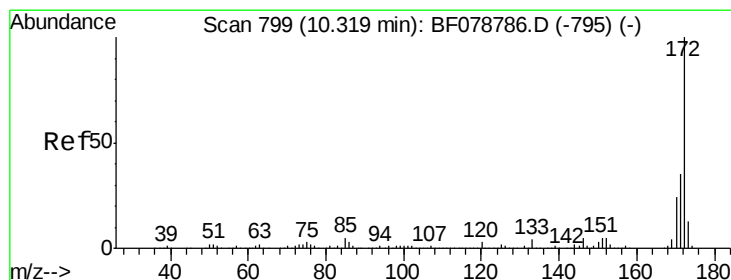
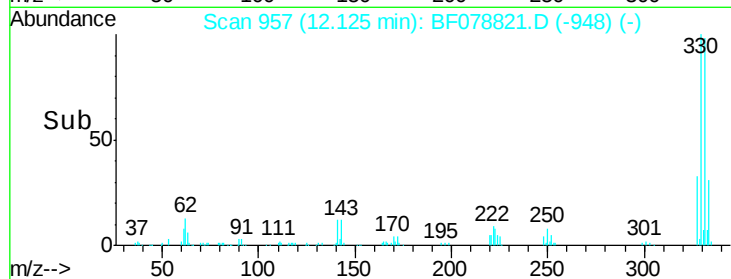
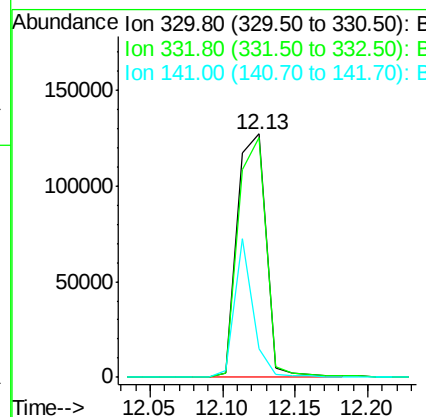
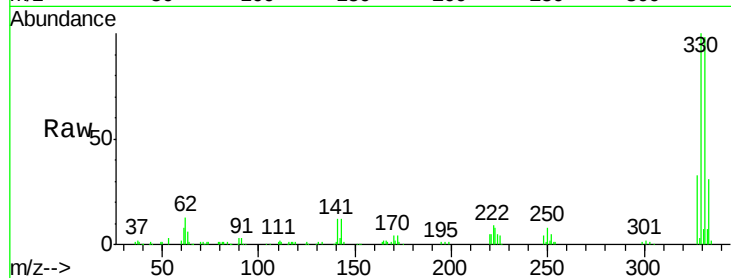




#41  
 2,4,6-Tribromophenol  
 Concen: 127.21 ng  
 RT: 12.13 min Scan# 957  
 Delta R.T. 0.00 min  
 Lab File: BF078821.D  
 Acq: 29 Apr 2015 18:58

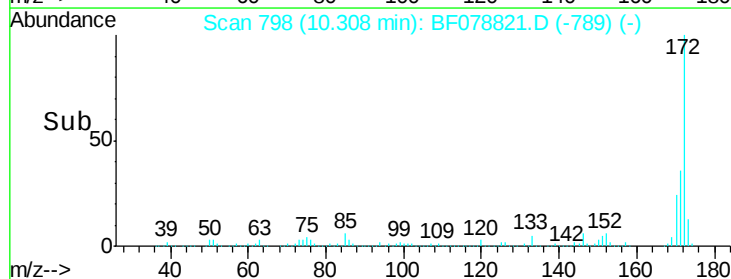
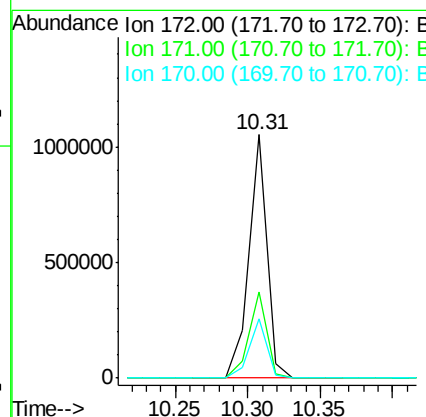
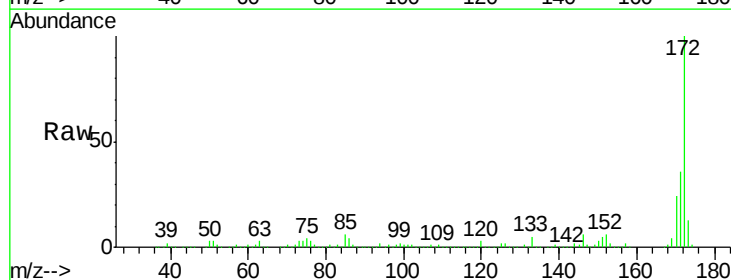
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB4-27-15

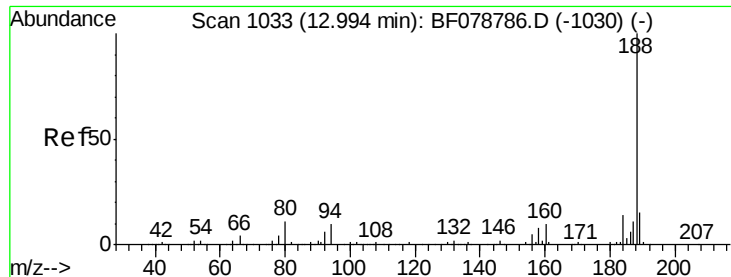
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 0.0   | 0.0#  |
| 141     | 36.8  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 89.72 ng  
 RT: 10.31 min Scan# 798  
 Delta R.T. 0.00 min  
 Lab File: BF078821.D  
 Acq: 29 Apr 2015 18:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 27.9  | 41.9  |
| 170     | 24.5  | 19.4  | 29.0  |

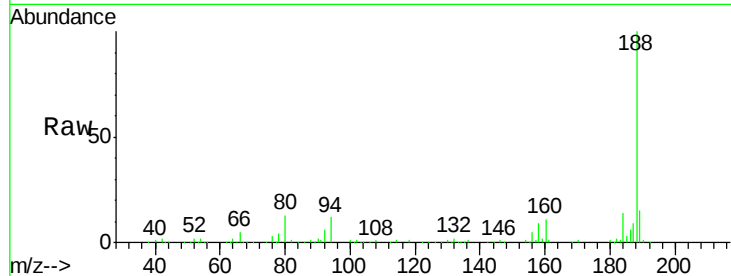




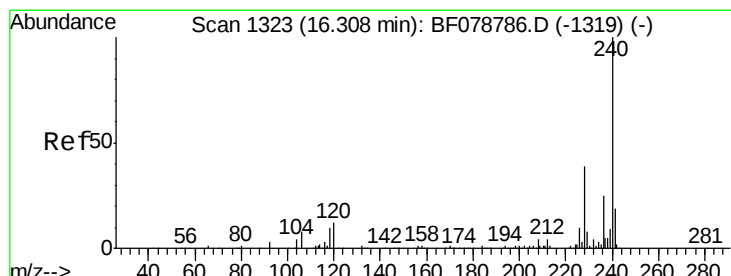
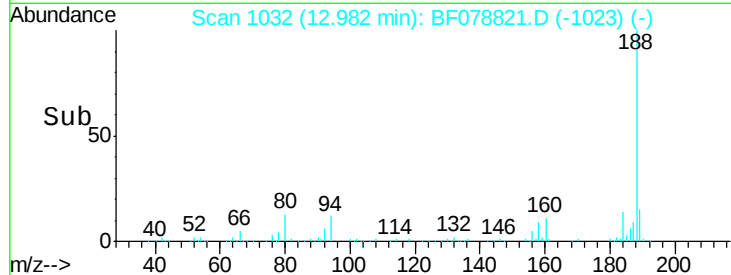
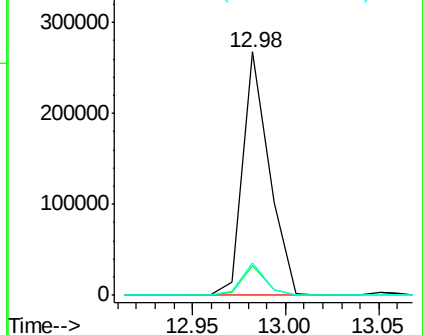
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.98 min Scan# 1032  
Delta R.T. 0.00 min  
Lab File: BF078821.D  
Acq: 29 Apr 2015 18:58

Instrument :  
BNA\_F  
ClientSampleId :  
FB4-27-15

Tot Ion:188 Resp: 266460  
Ion Ratio Lower Upper  
188 100  
94 12.0 8.2 12.2  
80 13.2 8.9 13.3

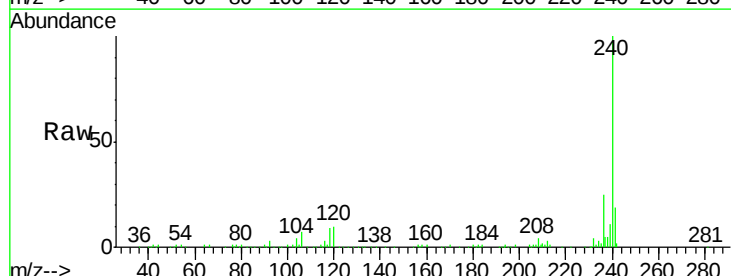


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

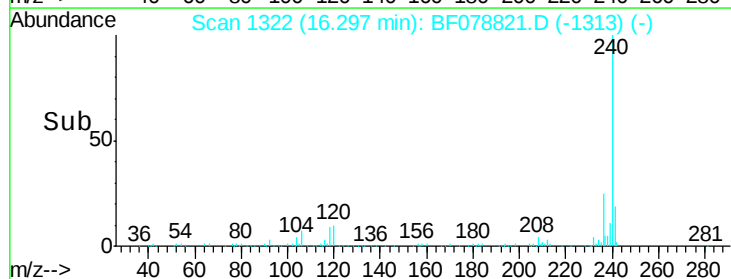
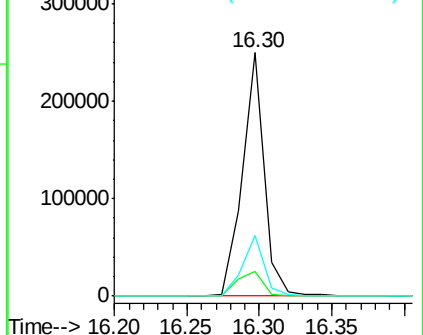


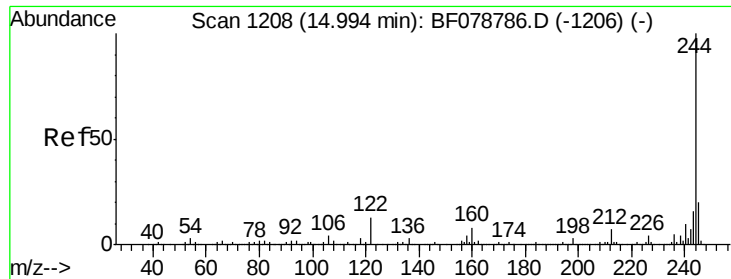
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.30 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: BF078821.D  
Acq: 29 Apr 2015 18:58

Tgt Ion:240 Resp: 261580  
Ion Ratio Lower Upper  
240 100  
120 10.0 9.7 14.5  
236 25.1 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

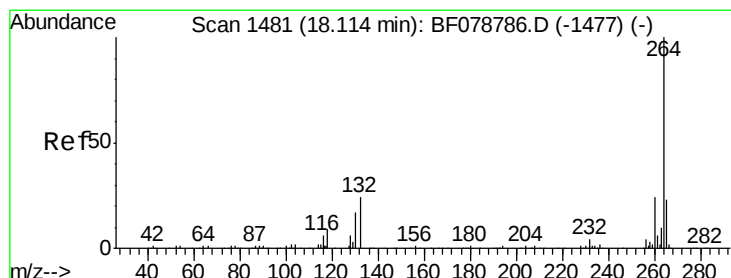
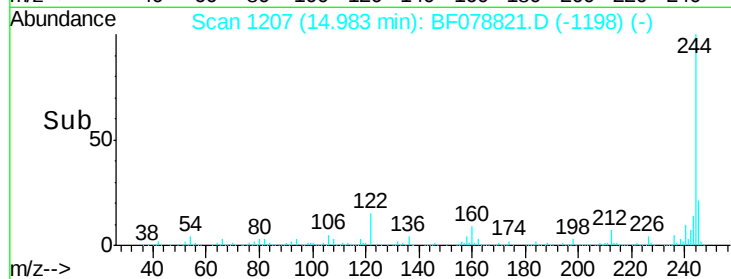
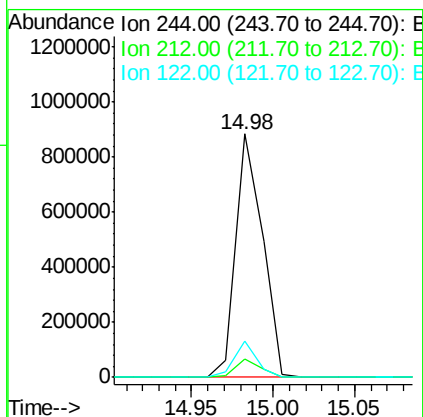
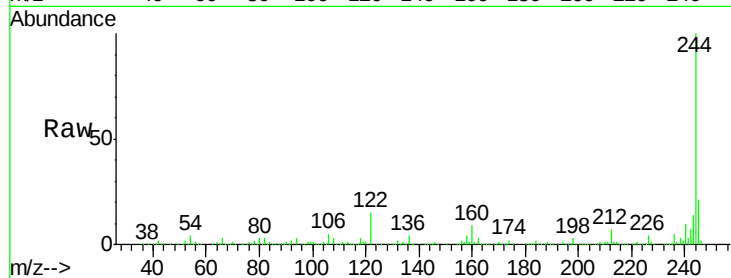




#78  
 Terphenyl-d14  
 Concen: 91.01 ng  
 RT: 14.98 min Scan# 1207  
 Delta R.T. 0.00 min  
 Lab File: BF078821.D  
 Acq: 29 Apr 2015 18:58

Instrument :  
 BNA\_F  
 ClientSampleID :  
 FB4-27-15

Tot Ion:244 Resp: 999609  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.6 8.4  
 122 15.1 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.10 min Scan# 1480  
 Delta R.T. 0.02 min  
 Lab File: BF078821.D  
 Acq: 29 Apr 2015 18:58

Tgt Ion:264 Resp: 249282  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 21.2 18.3 27.5

