

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\  
 Data File : BF078220.D  
 Acq On : 3 Apr 2015 2:38  
 Operator : TP/IZ  
 Sample : G1736-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

Quant Time: Apr 03 03:43:35 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 03 00:57:15 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.01  | 152  | 36169    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.59  | 136  | 150153   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.76 | 164  | 72199    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.59 | 188  | 142796   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.86 | 240  | 146465   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 17.54 | 264  | 142655   | 20.00  | ng    | -0.13    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 107477   | 48.99  | ng    | 0.01     |
| 7) Phenol-d6                | 6.61  | 99   | 78285    | 28.48  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.71  | 82   | 208319   | 84.09  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 11.73 | 330  | 86894    | 145.12 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.94  | 172  | 464717   | 92.01  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.59 | 244  | 539338   | 83.21  | ng    | 0.00     |

Target Compounds Qvalue

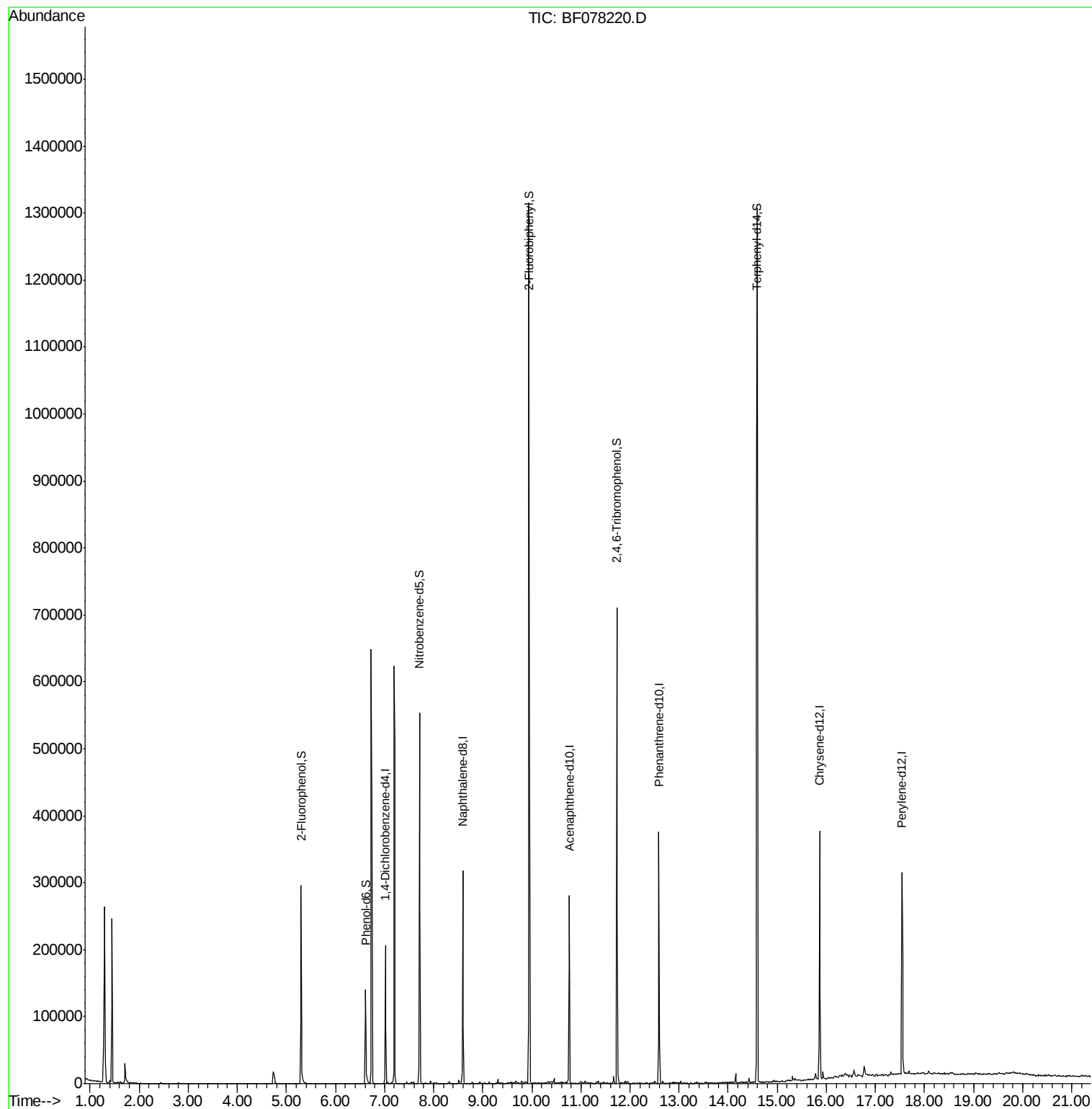
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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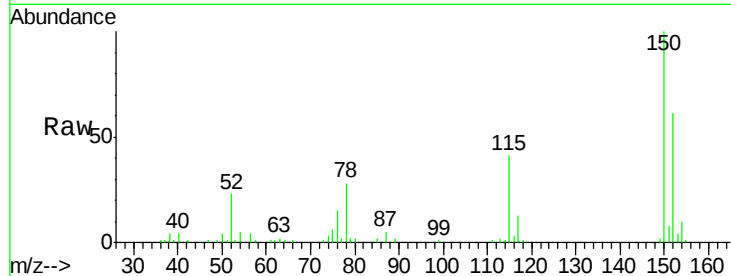


#1

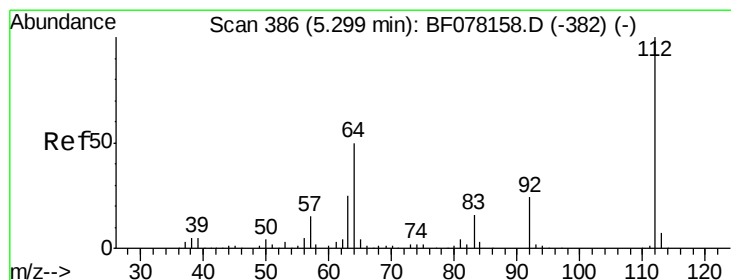
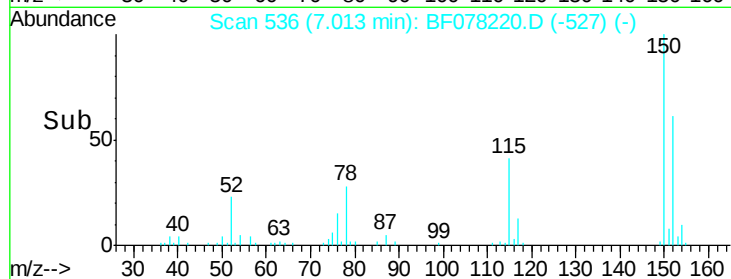
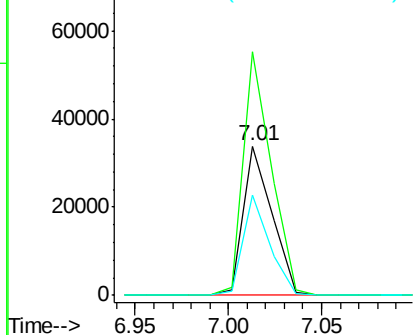
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.01 min Scan# 536  
Delta R.T. 0.00 min  
Lab File: BF078220.D  
Acq: 3 Apr 2015 2:38

Instrument :  
BNA\_F  
ClientSampleId :  
MW-17

Tot Ion:152 Resp: 36169  
Ion Ratio Lower Upper  
152 100  
150 163.0 125.9 188.9  
115 66.8 52.7 79.1



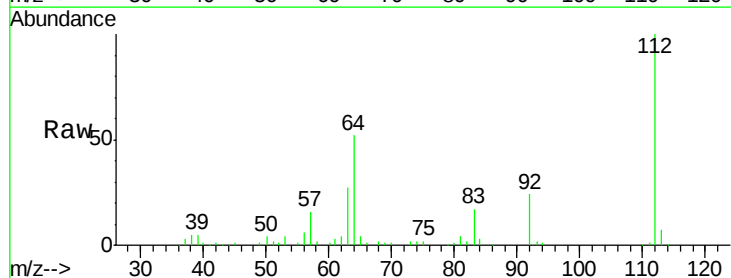
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



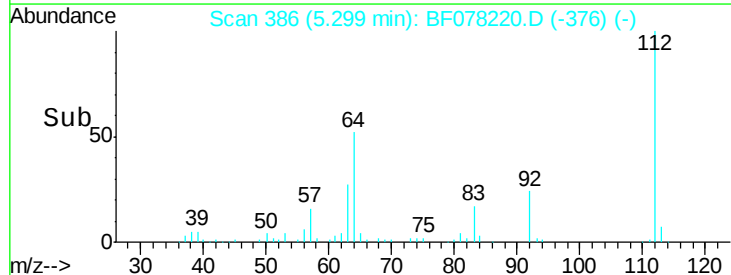
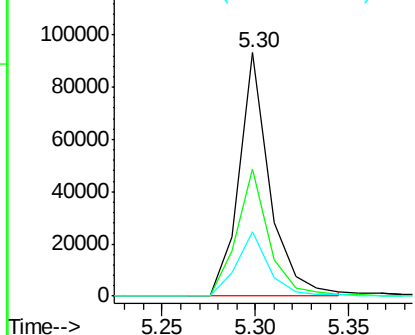
#5

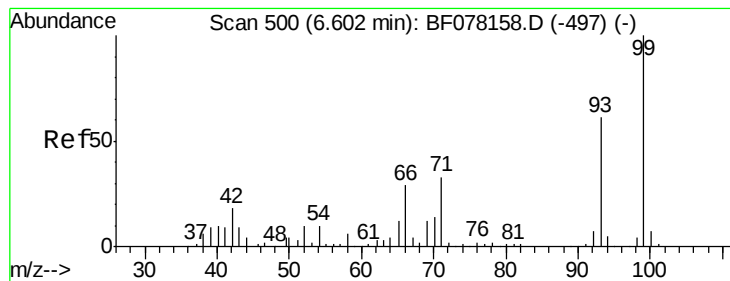
2-Fluorophenol  
Concen: 48.99 ng  
RT: 5.30 min Scan# 386  
Delta R.T. 0.01 min  
Lab File: BF078220.D  
Acq: 3 Apr 2015 2:38

Tgt Ion:112 Resp: 107477  
Ion Ratio Lower Upper  
112 100  
64 52.4 39.9 59.9  
63 26.7 20.2 30.4



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: 28.48 ng

RT: 6.61 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF078220.D

Acq: 3 Apr 2015 2:38

Instrument :

BNA\_F

ClientSampled :

MW-17

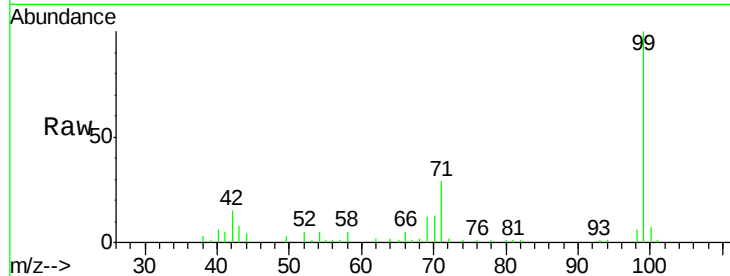
Tot Ion: 99 Resp: 78285

Ion Ratio Lower Upper

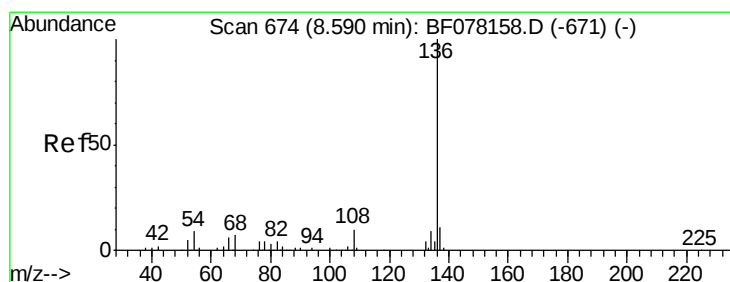
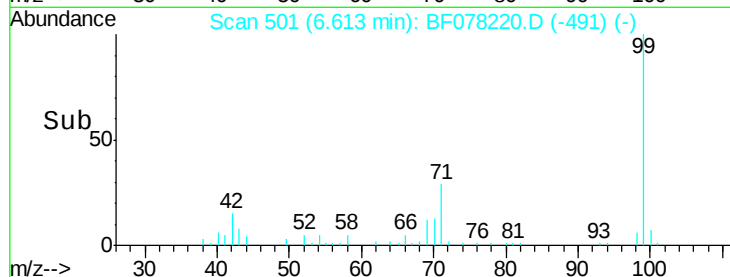
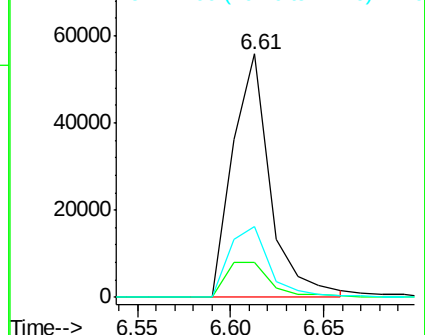
99 100

42 14.5 14.8 22.2#

71 29.1 26.6 39.8



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: 8.59 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF078220.D

Acq: 3 Apr 2015 2:38

Tgt Ion: 136 Resp: 150153

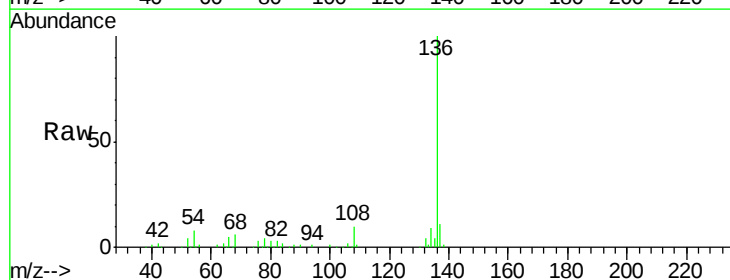
Ion Ratio Lower Upper

136 100

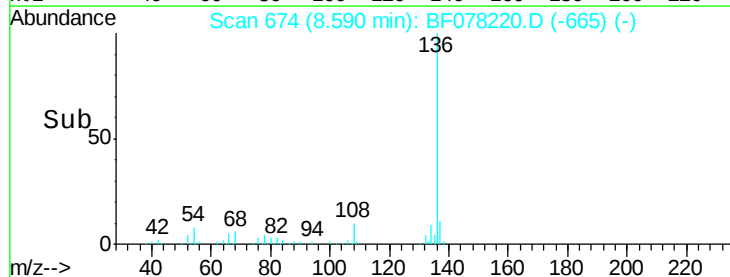
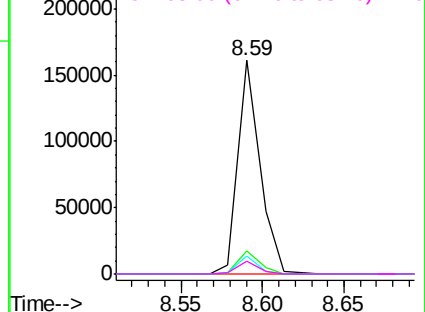
137 10.8 9.0 13.4

54 8.2 7.0 10.6

68 6.3 5.4 8.2



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

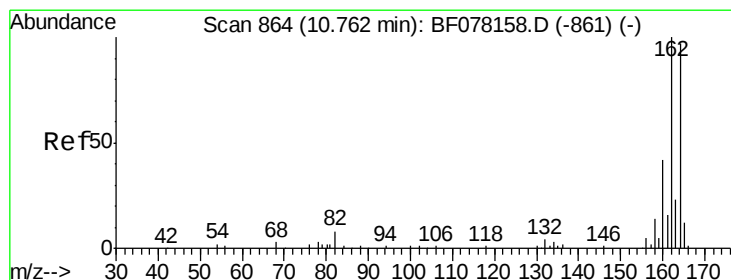
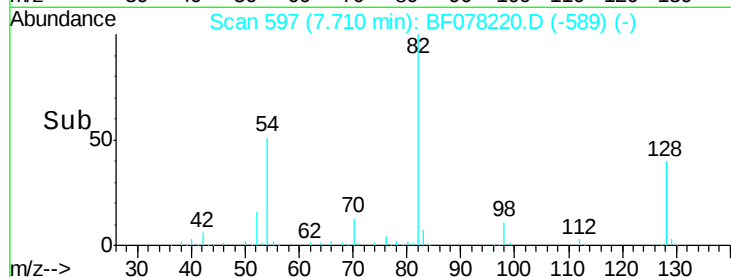
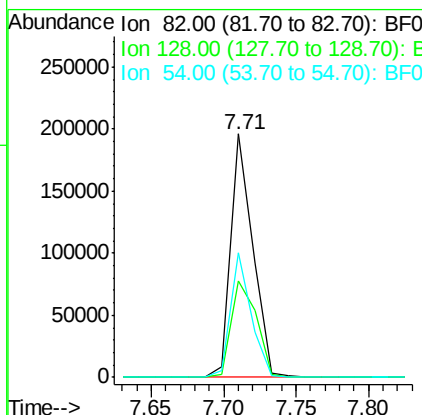
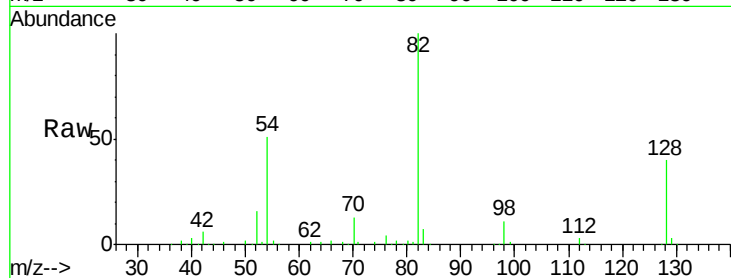




#23  
 Nitrobenzene-d5  
 Concen: 84.09 ng  
 RT: 7.71 min Scan# 597  
 Delta R.T. -0.01 min  
 Lab File: BF078220.D  
 Acq: 3 Apr 2015 2:38

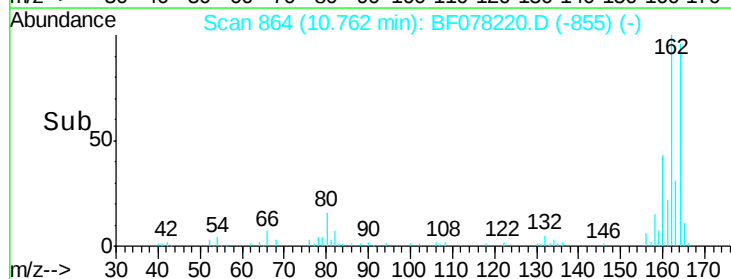
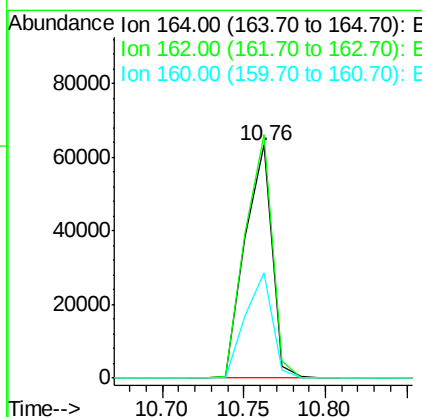
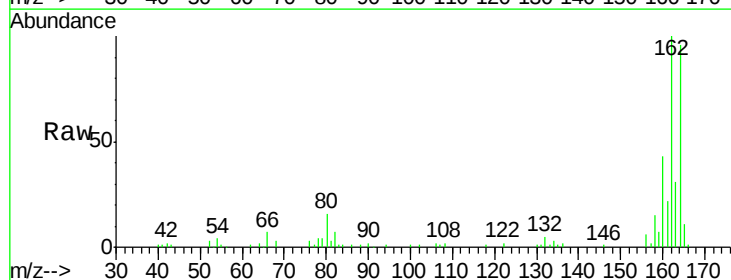
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-17

| Tot Ion   | 82    | Resp  | 208319 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.7  | 31.8  | 47.8   |
| 54        | 51.2  | 41.5  | 62.3   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.76 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: BF078220.D  
 Acq: 3 Apr 2015 2:38

| Tgt Ion   | 164   | Resp  | 72199 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.5 | 82.2  | 123.2 |
| 160       | 45.3  | 34.7  | 52.1  |

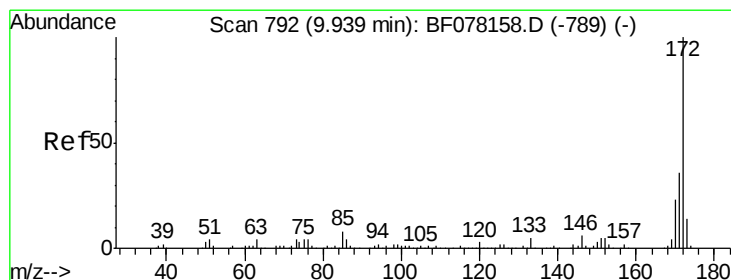
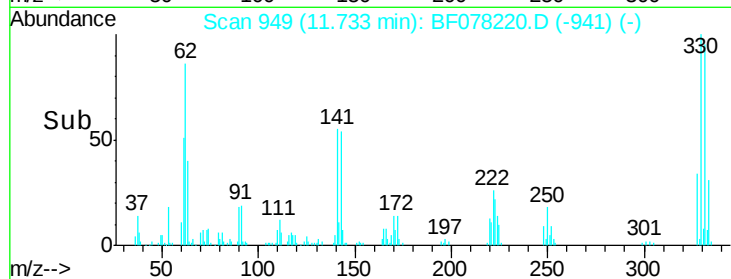
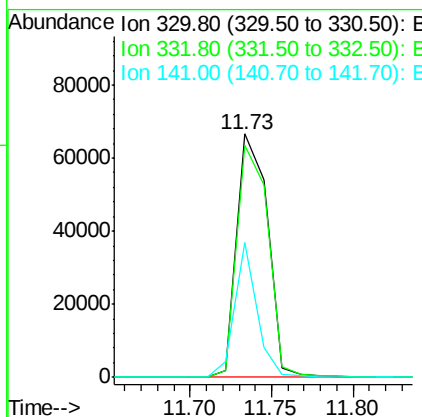
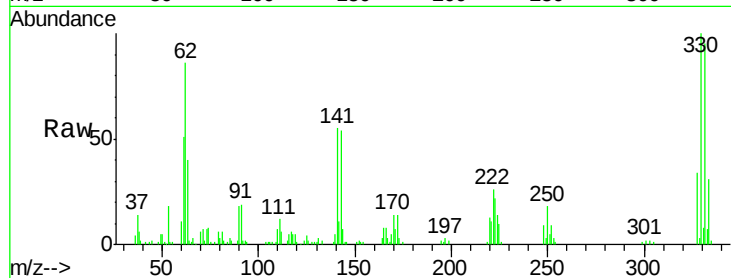




#41  
 2,4,6-Tribromophenol  
 Concen: 145.12 ng  
 RT: 11.73 min Scan# 949  
 Delta R.T. -0.01 min  
 Lab File: BF078220.D  
 Acq: 3 Apr 2015 2:38

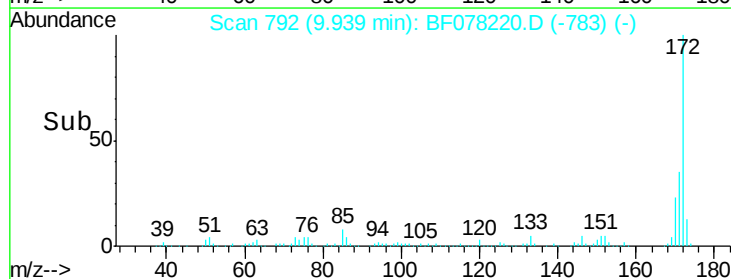
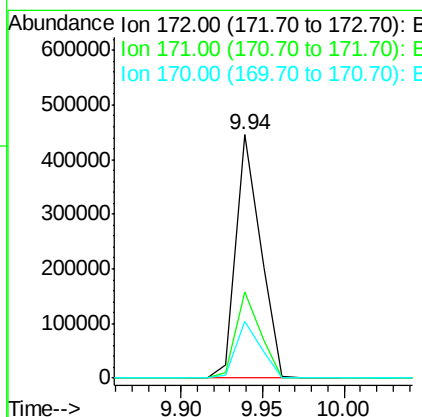
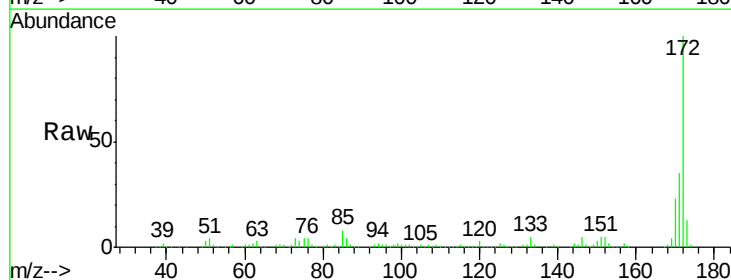
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-17

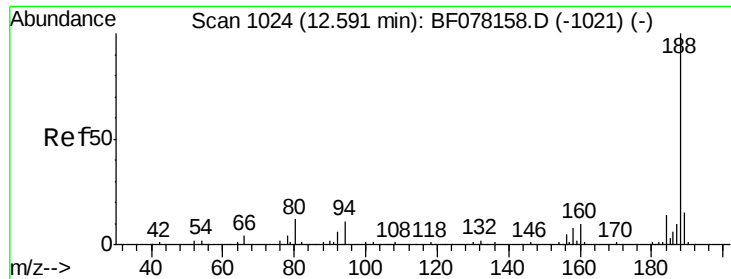
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 78.6  | 117.8 |
| 141     | 39.8  | 31.2  | 46.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 92.01 ng  
 RT: 9.94 min Scan# 792  
 Delta R.T. 0.00 min  
 Lab File: BF078220.D  
 Acq: 3 Apr 2015 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.6  | 42.8  |
| 170     | 23.4  | 18.5  | 27.7  |

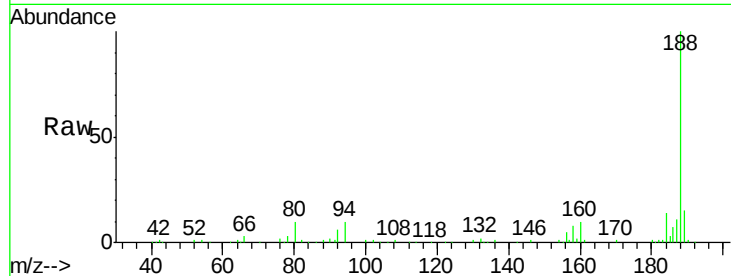




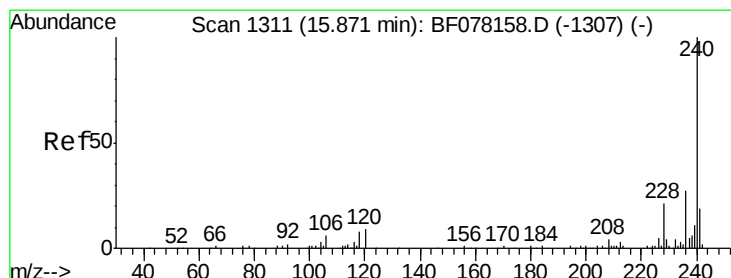
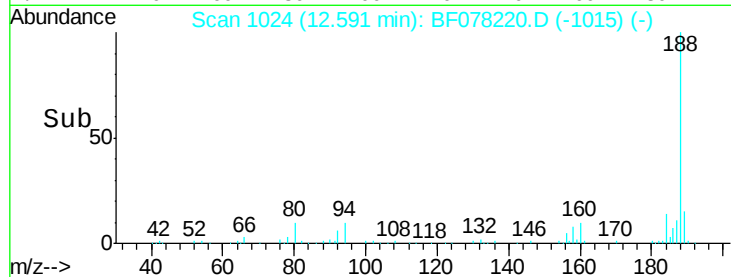
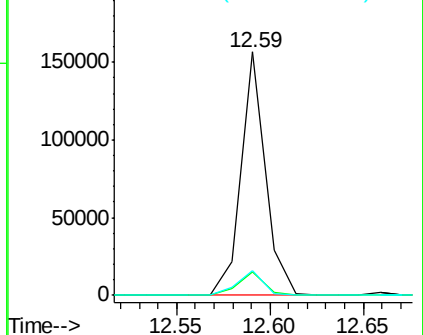
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.59 min Scan# 1024  
Delta R.T. 0.00 min  
Lab File: BF078220.D  
Acq: 3 Apr 2015 2:38

Instrument :  
BNA\_F  
ClientSampleId :  
MW-17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 9.0   | 13.4  |
| 80      | 10.1  | 9.5   | 14.3  |

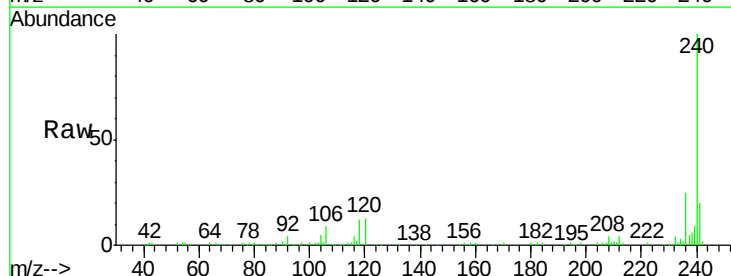


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

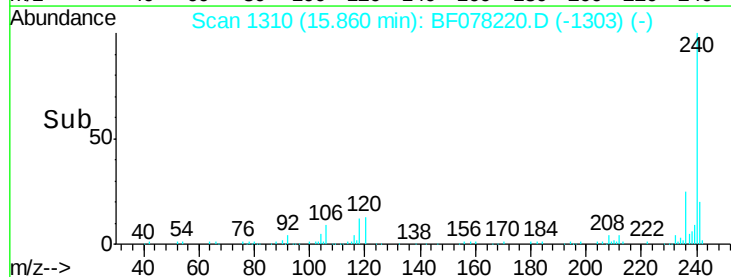
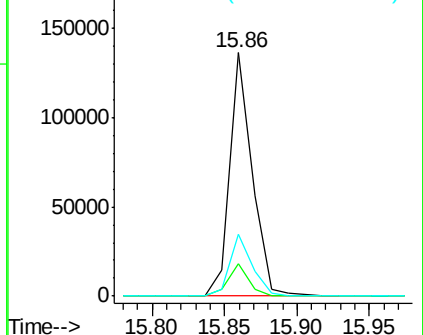


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.86 min Scan# 1310  
Delta R.T. -0.02 min  
Lab File: BF078220.D  
Acq: 3 Apr 2015 2:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.4  | 7.1   | 10.7# |
| 236     | 25.3  | 21.4  | 32.2  |



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: 83.21 ng

RT: 14.59 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BF078220.D

Acq: 3 Apr 2015 2:38

Instrument :

BNA\_F

ClientSampleId :

MW-17

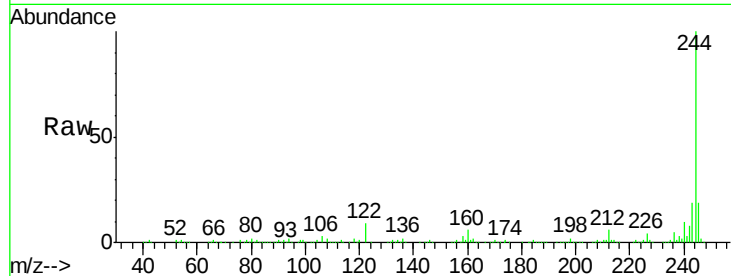
Tot Ion:244 Resp: 539338

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

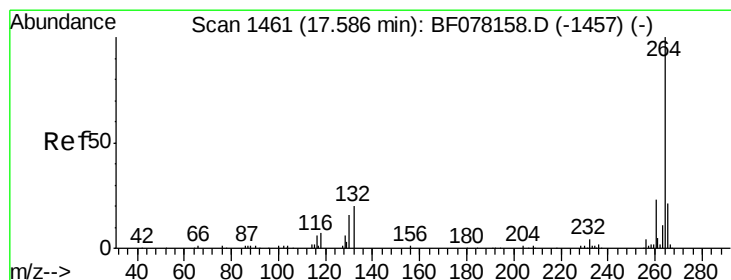
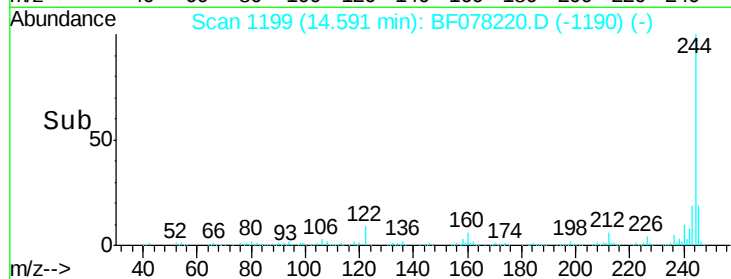
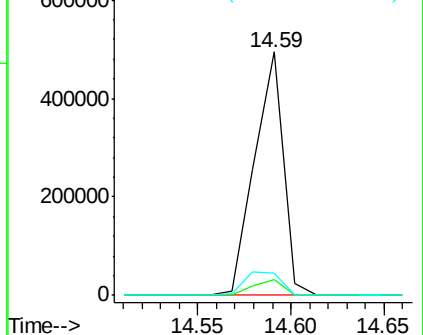
122 9.3 7.1 10.7



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: 17.54 min Scan# 1457

Delta R.T. -0.13 min

Lab File: BF078220.D

Acq: 3 Apr 2015 2:38

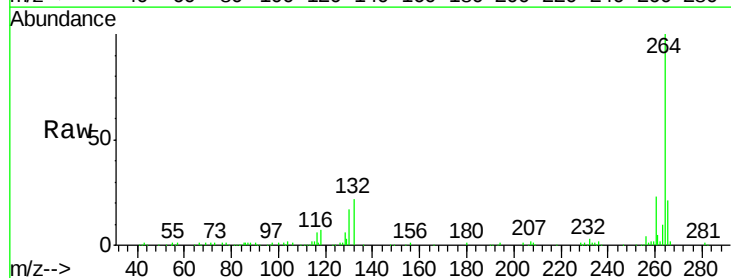
Tgt Ion:264 Resp: 142655

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.4 17.0 25.6



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

