

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\  
 Data File : BF078266.D  
 Acq On : 6 Apr 2015 19:39  
 Operator : TP/IZ  
 Sample : G1755-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

Quant Time: Apr 07 01:27:19 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 07 02:08:45 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 43254    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.56  | 136  | 172753   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.72 | 164  | 86822    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.55 | 188  | 172570   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.81 | 240  | 183394   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 17.54 | 264  | 171612   | 20.00  | ng    | -0.10    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 145122   | 55.32  | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 109119   | 33.19  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.68  | 82   | 249261   | 87.46  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.70 | 330  | 108510   | 150.69 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.90  | 172  | 570830   | 93.98  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.55 | 244  | 675304   | 83.21  | ng    | 0.00     |

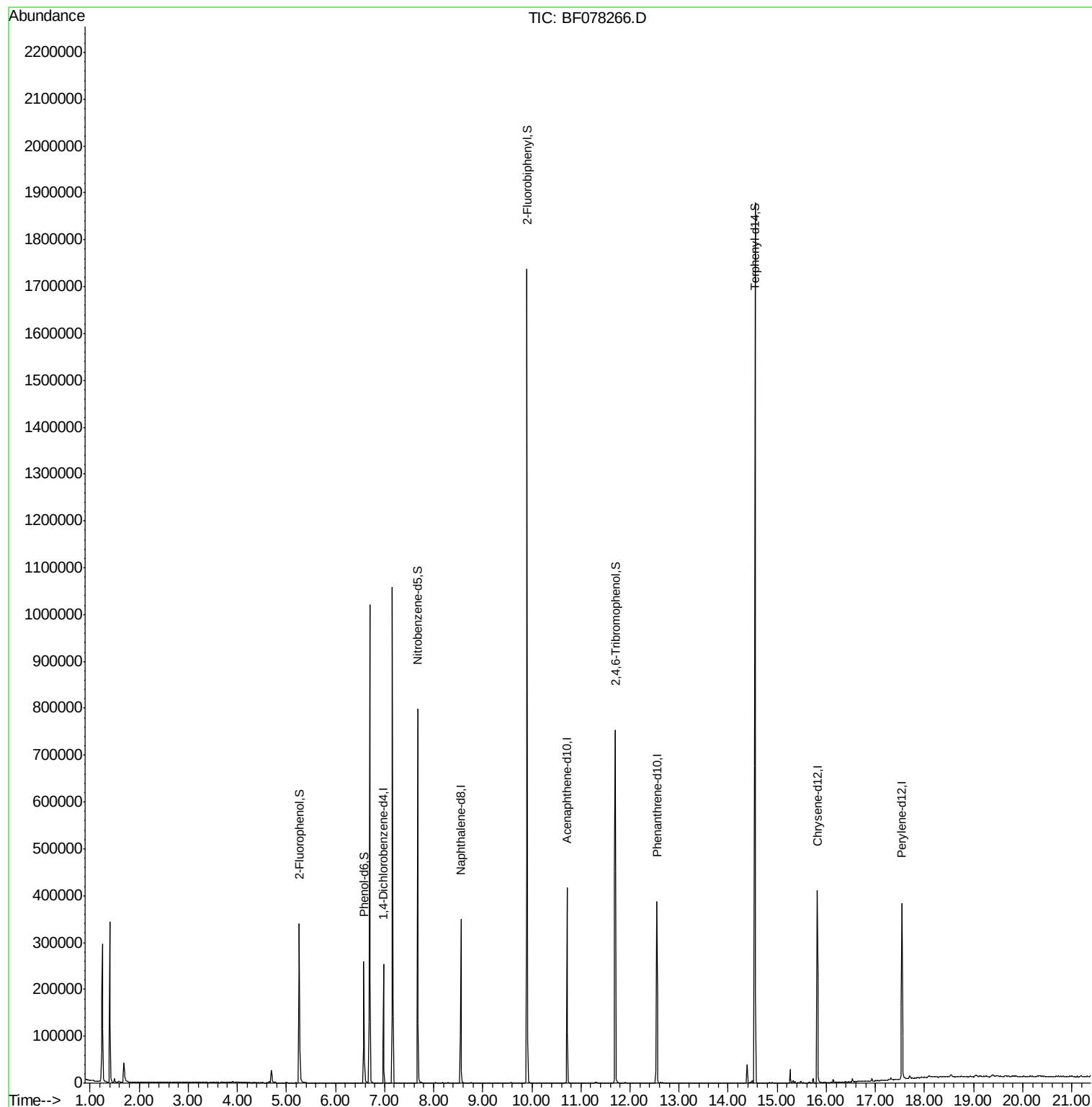
Target Compounds Qvalue

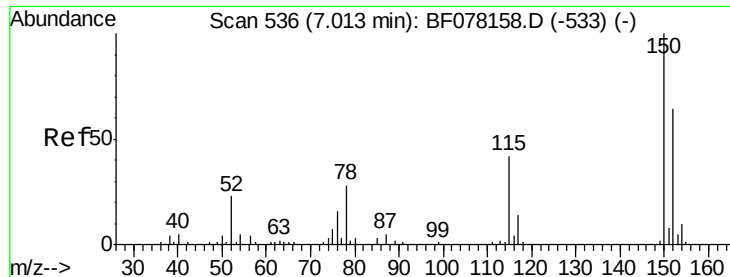
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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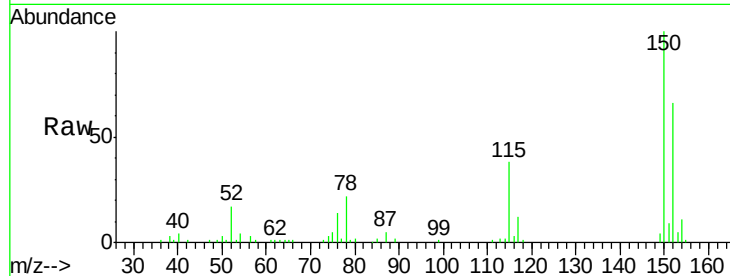


#1

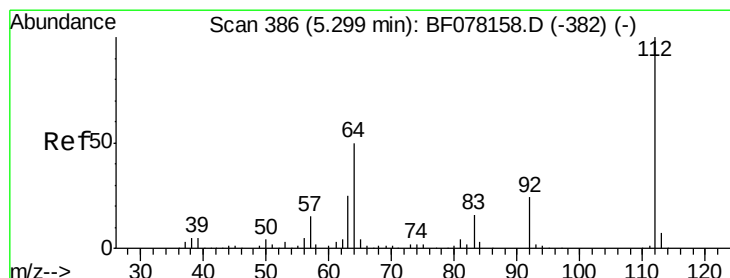
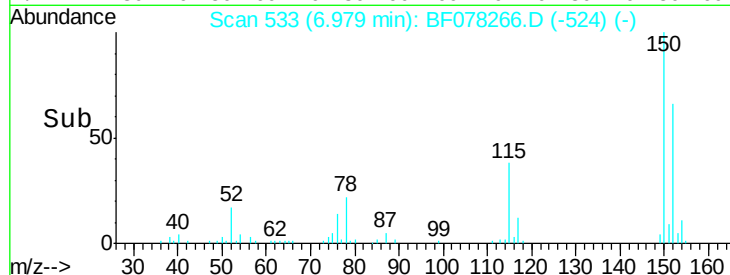
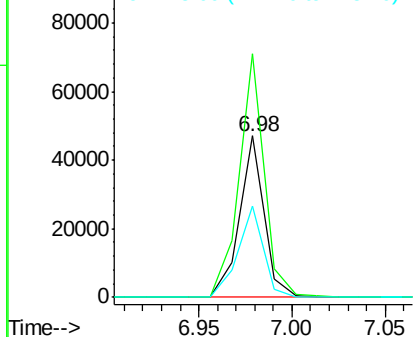
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.98 min Scan# 533  
Delta R.T. 0.00 min  
Lab File: BF078266.D  
Acq: 6 Apr 2015 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Tot Ion:152 Resp: 43254  
Ion Ratio Lower Upper  
152 100  
150 150.9 125.9 188.9  
115 56.9 52.7 79.1



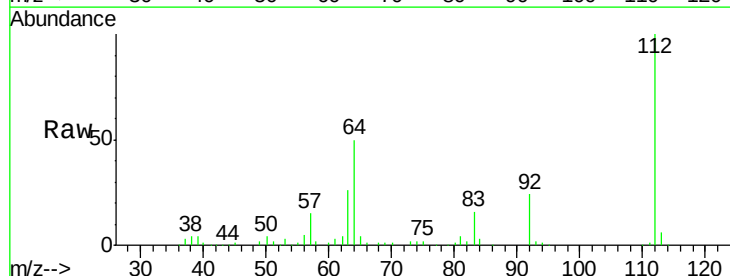
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



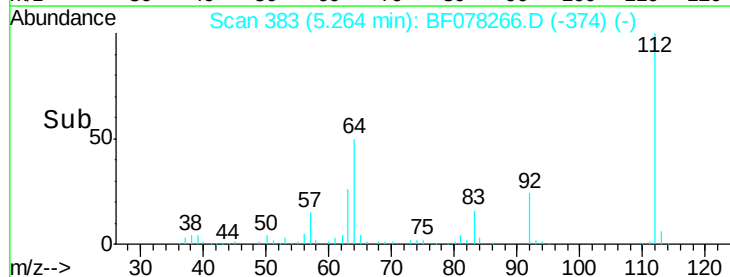
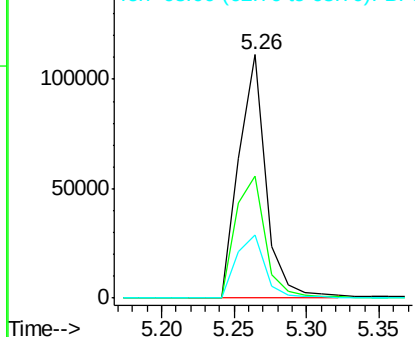
#5

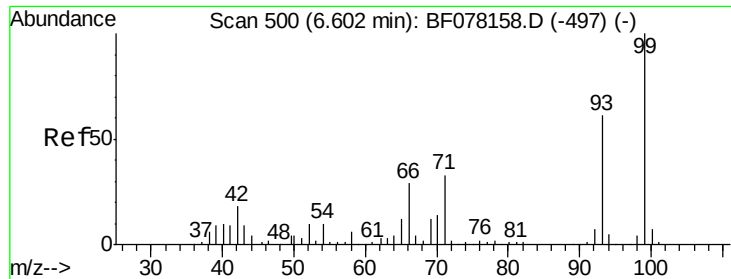
2-Fluorophenol  
Concen: 55.32 ng  
RT: 5.26 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: BF078266.D  
Acq: 6 Apr 2015 19:39

Tgt Ion:112 Resp: 145122  
Ion Ratio Lower Upper  
112 100  
64 49.9 39.9 59.9  
63 25.9 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: 33.19 ng

RT: 6.58 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078266.D

Acq: 6 Apr 2015 19:39

Instrument :

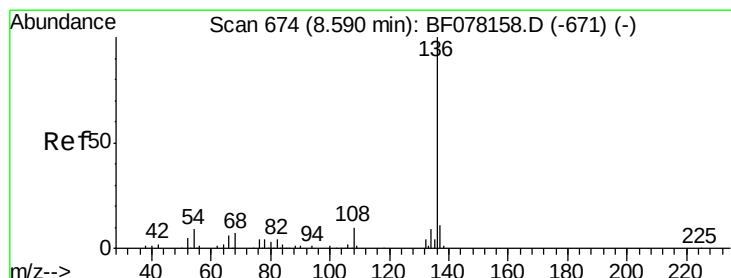
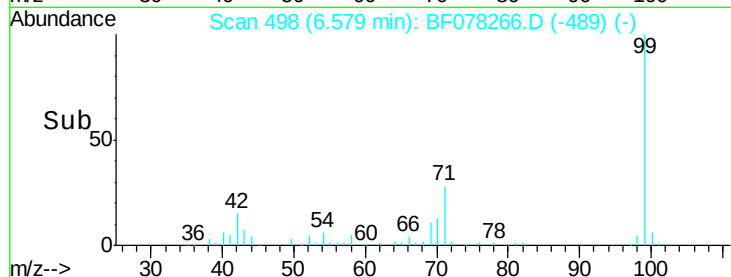
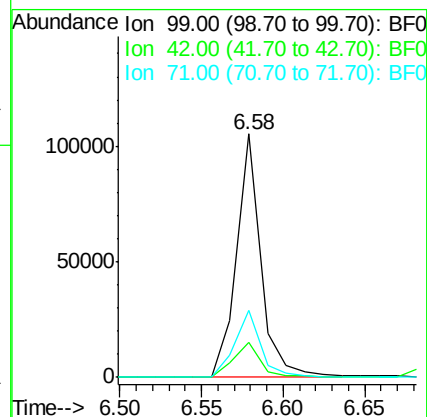
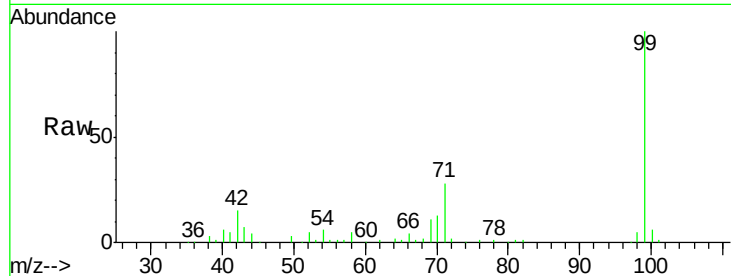
BNA\_F

ClientSampleId :

MW-12

Tot Ion: 99 Resp: 109119

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.5  | 14.8  | 22.2# |
| 71  | 27.8  | 26.6  | 39.8  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 671

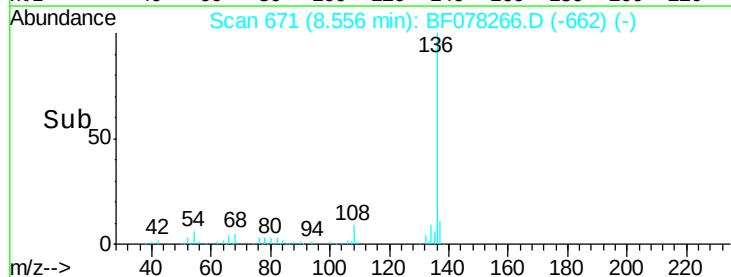
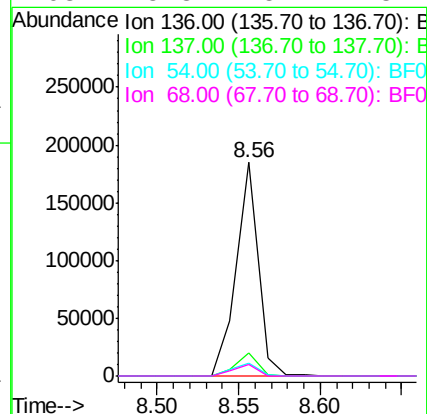
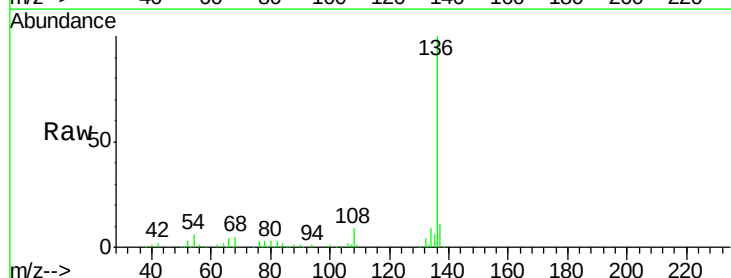
Delta R.T. 0.00 min

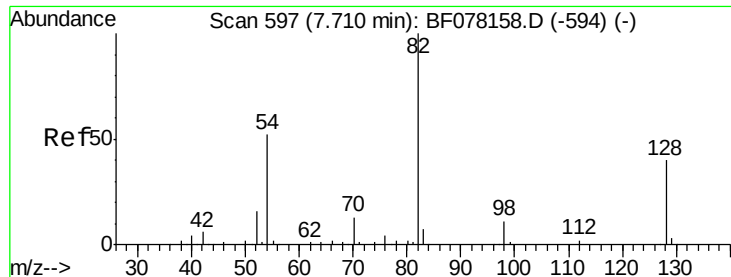
Lab File: BF078266.D

Acq: 6 Apr 2015 19:39

Tgt Ion: 136 Resp: 172753

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 9.0   | 13.4  |
| 54  | 6.2   | 7.0   | 10.6# |
| 68  | 5.3   | 5.4   | 8.2#  |

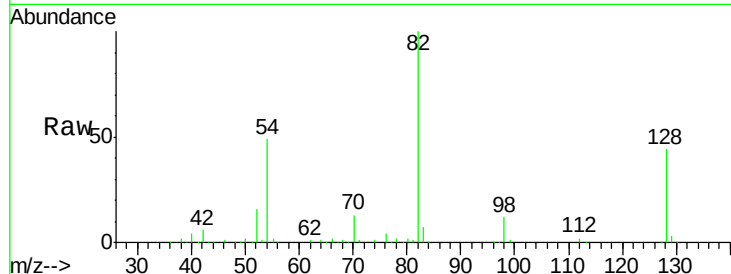




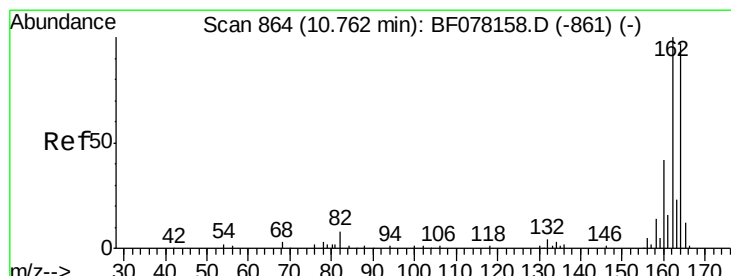
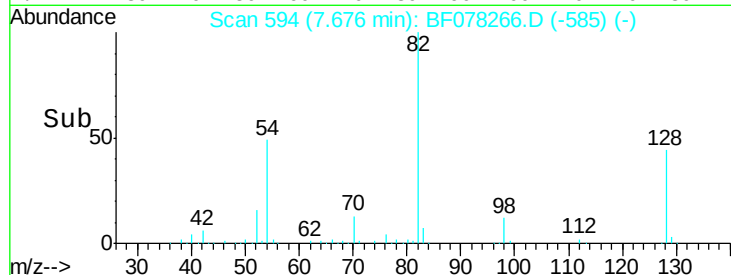
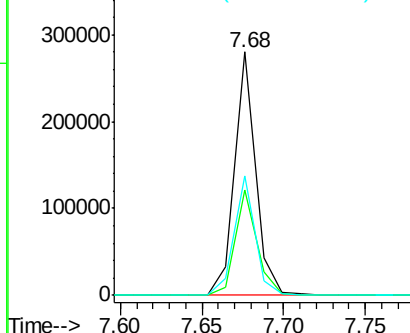
#23  
 Nitrobenzene-d5  
 Concen: 87.46 ng  
 RT: 7.68 min Scan# 594  
 Delta R.T. 0.00 min  
 Lab File: BF078266.D  
 Acq: 6 Apr 2015 19:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

Tot Ion: 82 Resp: 249261  
 Ion Ratio Lower Upper  
 82 100  
 128 43.5 31.8 47.8  
 54 49.3 41.5 62.3

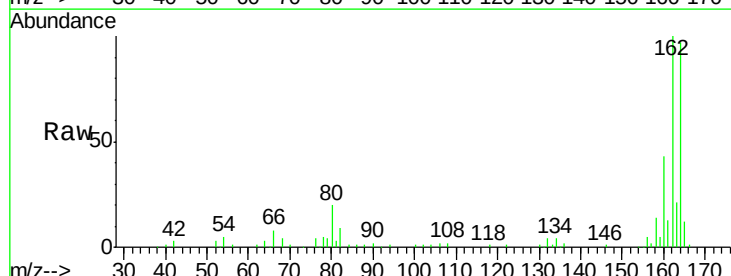


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

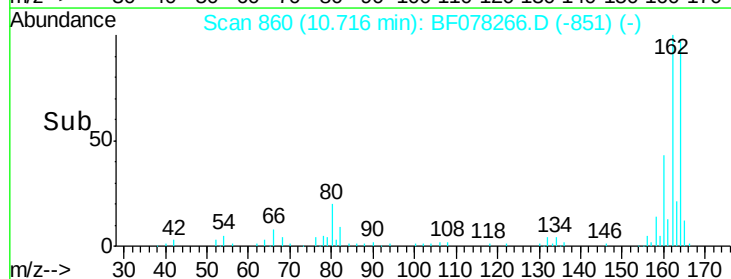
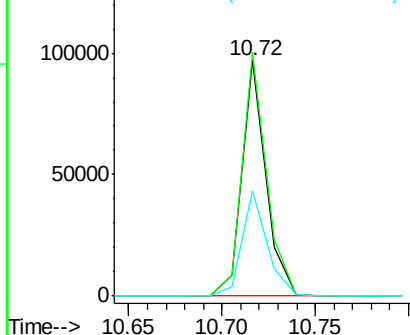


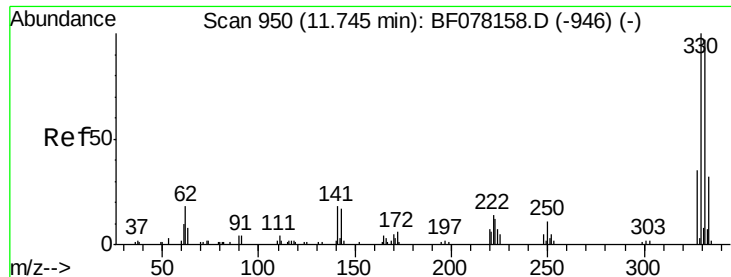
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.72 min Scan# 860  
 Delta R.T. 0.00 min  
 Lab File: BF078266.D  
 Acq: 6 Apr 2015 19:39

Tgt Ion:164 Resp: 86822  
 Ion Ratio Lower Upper  
 164 100  
 162 103.4 82.2 123.2  
 160 44.8 34.7 52.1



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

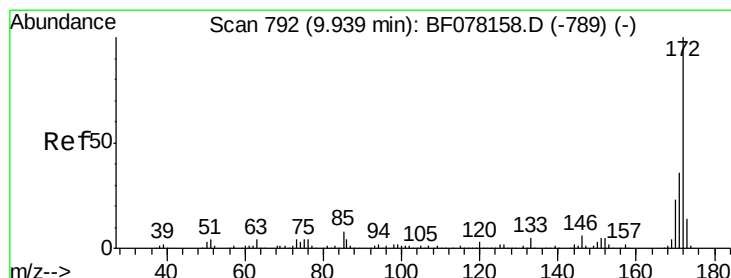
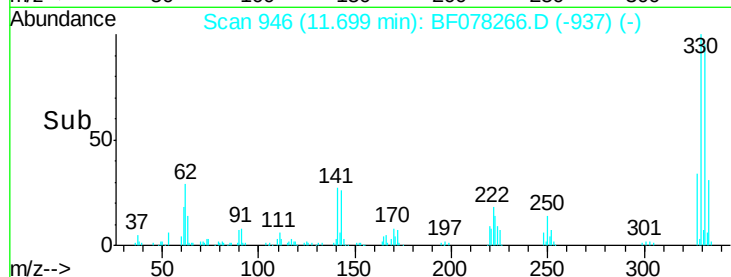
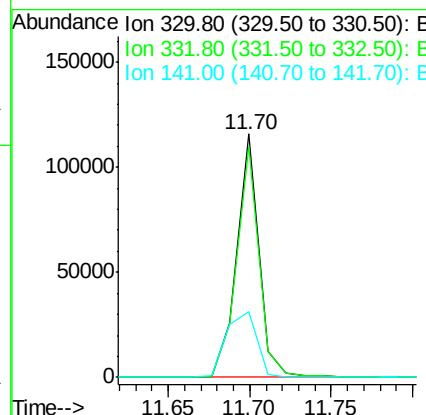
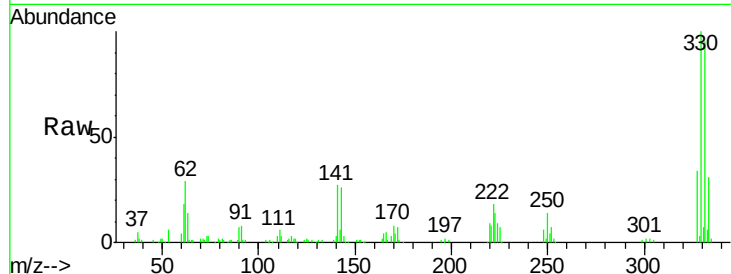




#41  
 2,4,6-Tribromophenol  
 Concen: 150.69 ng  
 RT: 11.70 min Scan# 946  
 Delta R.T. 0.00 min  
 Lab File: BF078266.D  
 Acq: 6 Apr 2015 19:39

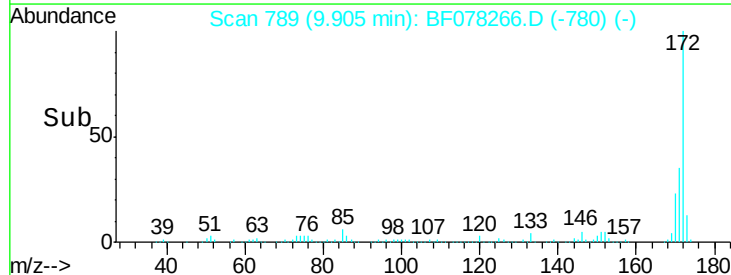
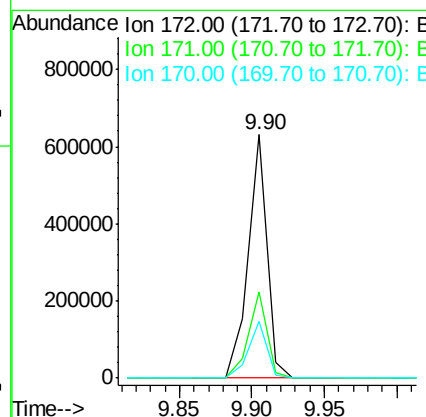
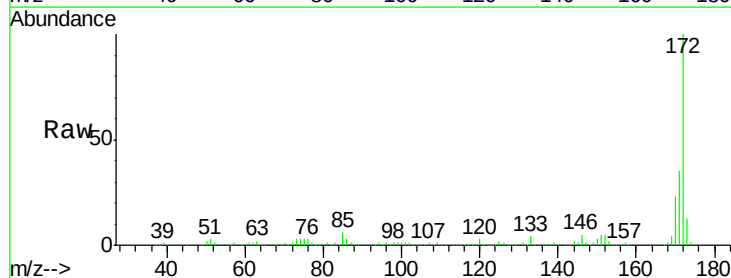
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

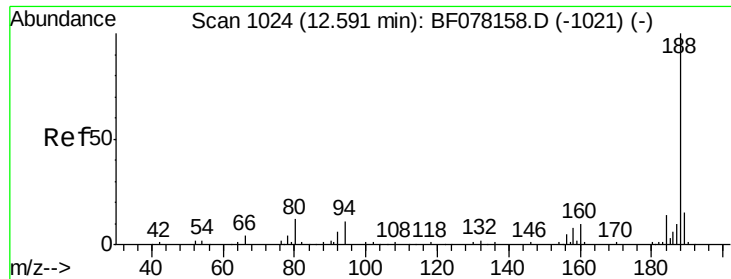
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 78.6  | 117.8 |
| 141     | 38.0  | 31.2  | 46.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 93.98 ng  
 RT: 9.90 min Scan# 789  
 Delta R.T. 0.00 min  
 Lab File: BF078266.D  
 Acq: 6 Apr 2015 19:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 28.6  | 42.8  |
| 170     | 23.3  | 18.5  | 27.7  |

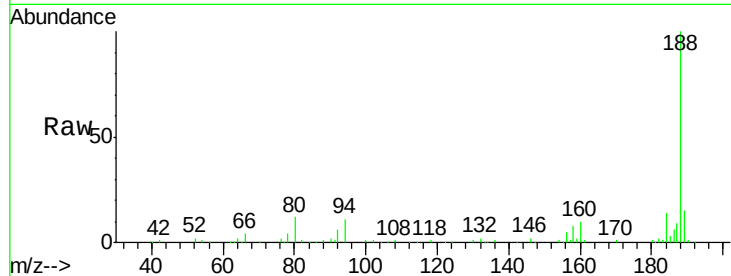




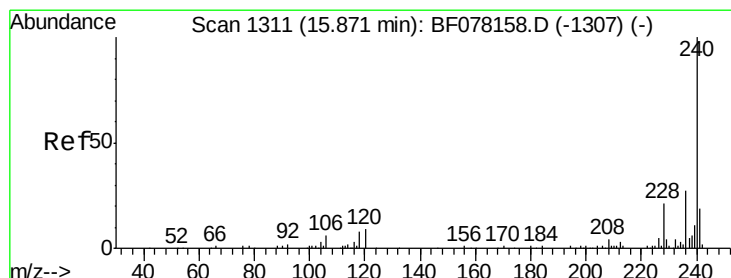
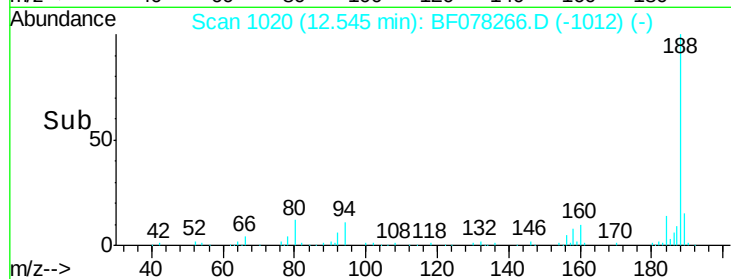
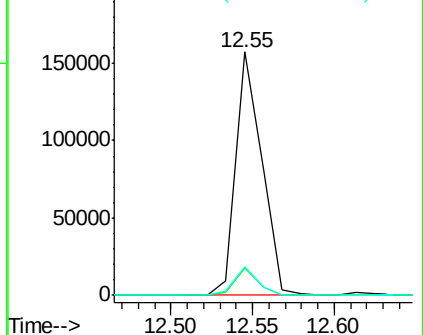
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.55 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: BF078266.D  
Acq: 6 Apr 2015 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Tot Ion:188 Resp: 172570  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.0 13.4  
80 11.8 9.5 14.3

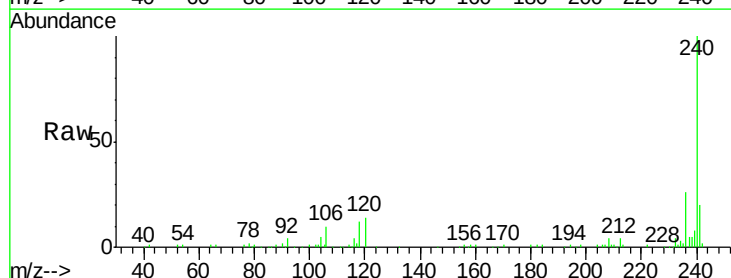


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

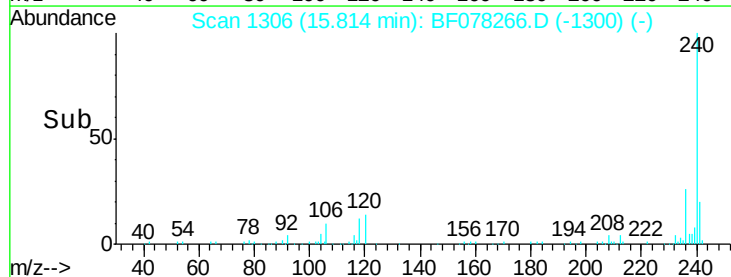
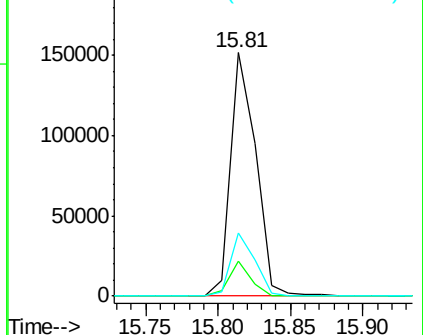


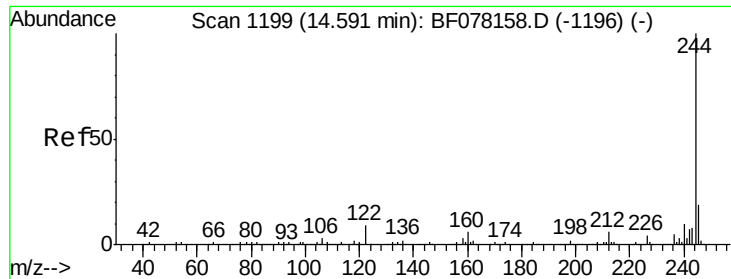
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.81 min Scan# 1306  
Delta R.T. -0.03 min  
Lab File: BF078266.D  
Acq: 6 Apr 2015 19:39

Tgt Ion:240 Resp: 183394  
Ion Ratio Lower Upper  
240 100  
120 14.2 7.1 10.7#  
236 25.8 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: 14.55 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF078266.D

Acq: 6 Apr 2015 19:39

Instrument :

BNA\_F

ClientSampleId :

MW-12

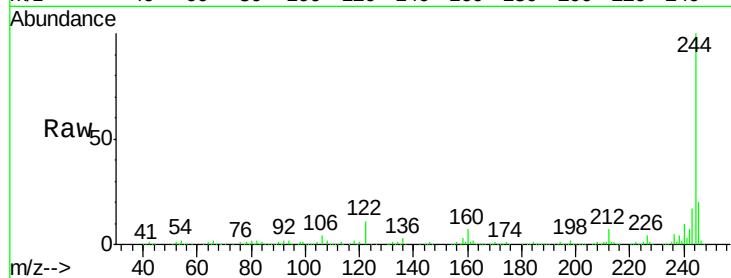
Tot Ion:244 Resp: 675304

Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

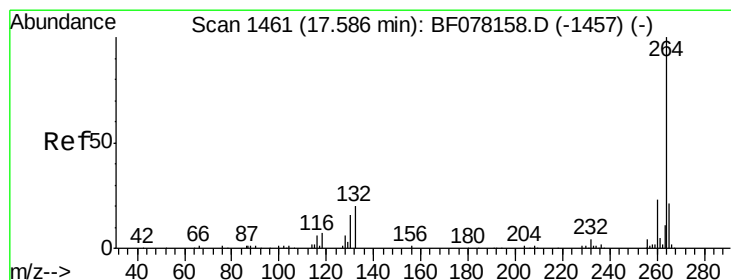
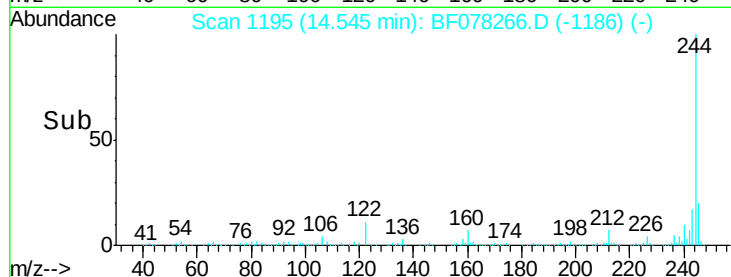
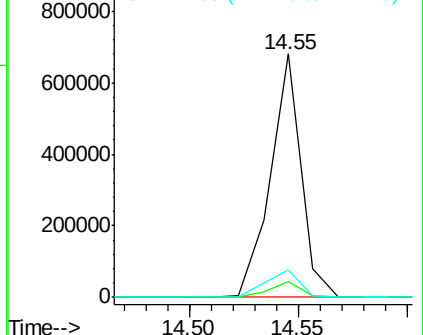
122 11.2 7.1 10.7#



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. -0.10 min

Lab File: BF078266.D

Acq: 6 Apr 2015 19:39

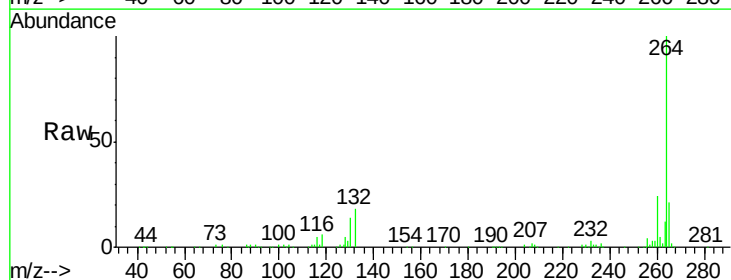
Tgt Ion:264 Resp: 171612

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 21.3 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

