

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\  
 Data File : BF079312.D  
 Acq On : 18 May 2015 12:21  
 Operator : TP/IZ  
 Sample : G2269-01RE  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1505123096RE

Quant Time: May 19 01:11:19 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 19 00:51:02 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.16  | 152  | 66207    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.74  | 136  | 270705   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.91 | 164  | 129469   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.75 | 188  | 254624   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 16.07 | 240  | 272361   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12            | 17.92 | 264  | 282072   | 20.00 | ng    | 0.09     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 150071m  | 39.02 | ng    | 0.00     |
| 7) Phenol-d6                | 6.73  | 99   | 198428   | 39.03 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.86  | 82   | 107002   | 22.72 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.90 | 330  | 55027    | 39.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.09 | 172  | 241168   | 25.95 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.75 | 244  | 277879   | 24.43 | ng    | 0.00     |

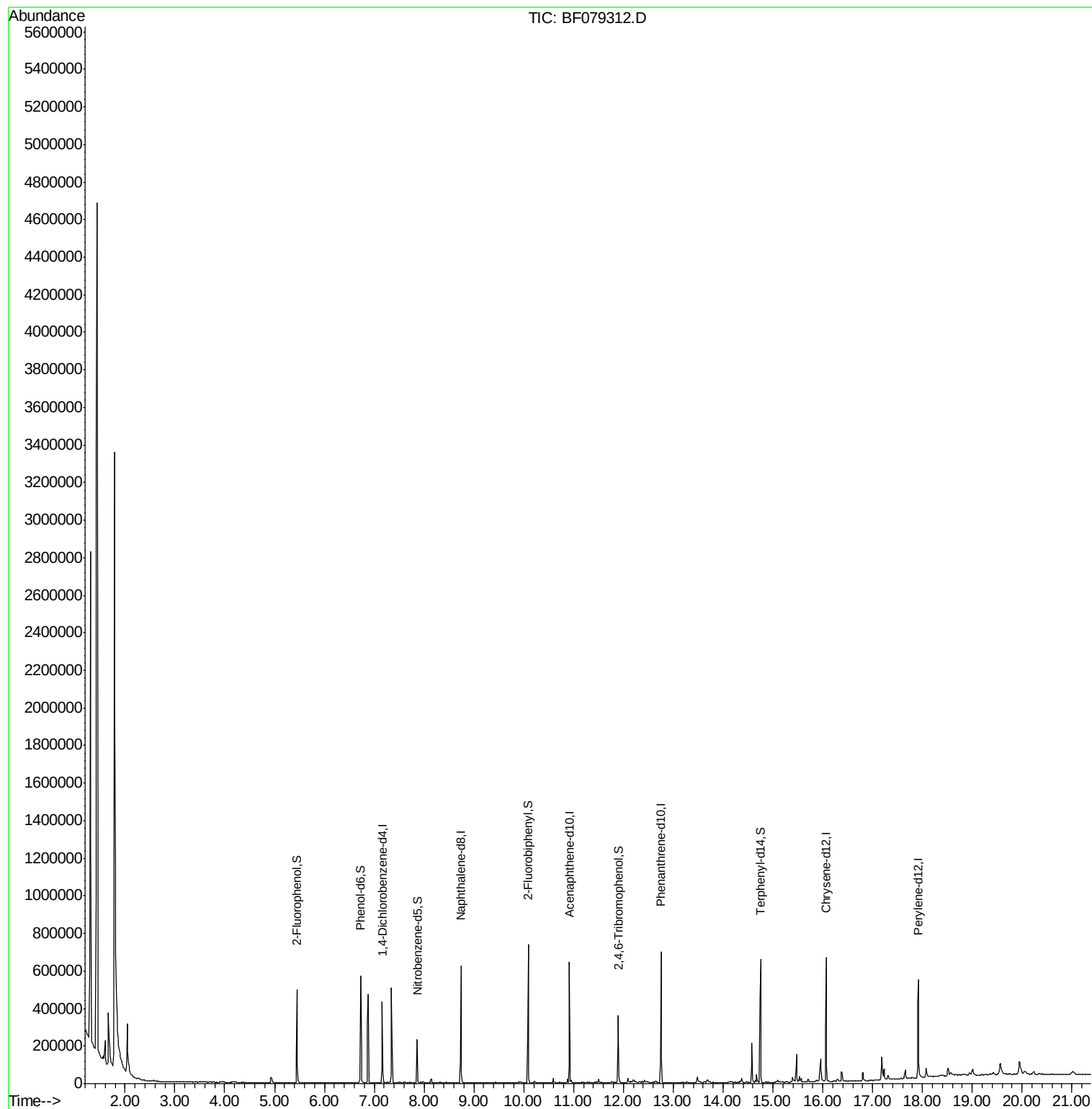
Target Compounds Qvalue

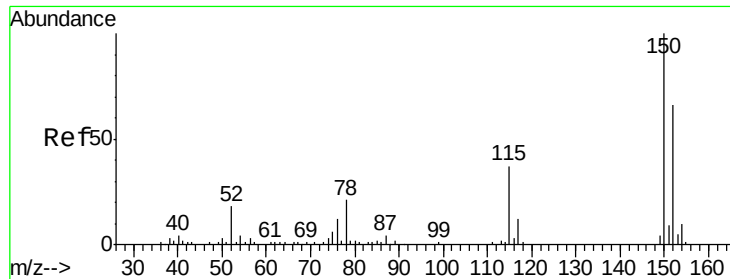
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
1505123096RE

Quant Time: May 19 01:11:19 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 19 00:51:02 2015  
Response via : Initial Calibration

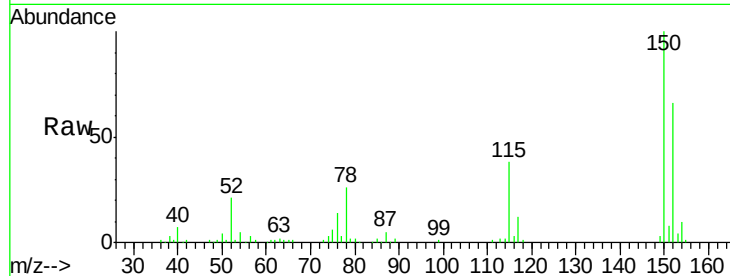




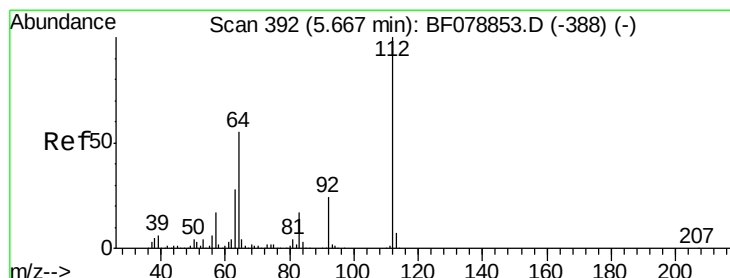
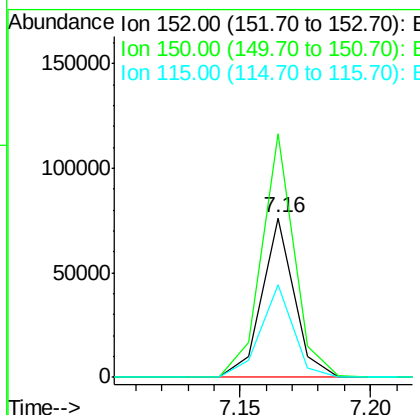
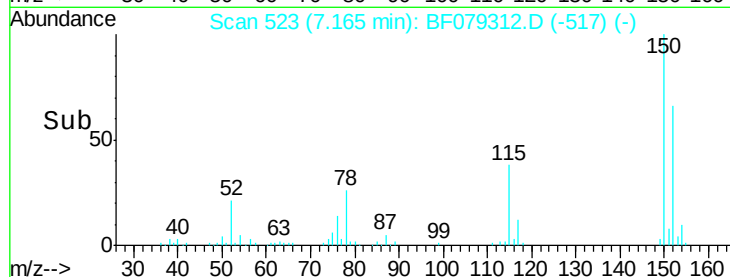
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.16 min Scan# 523  
 Delta R.T. 0.00 min  
 Lab File: BF079312.D  
 Acq: 18 May 2015 12:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1505123096RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 66207 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 152.6 | 123.8 | 185.8 |
| 115      | 57.9  | 49.4  | 74.0  |

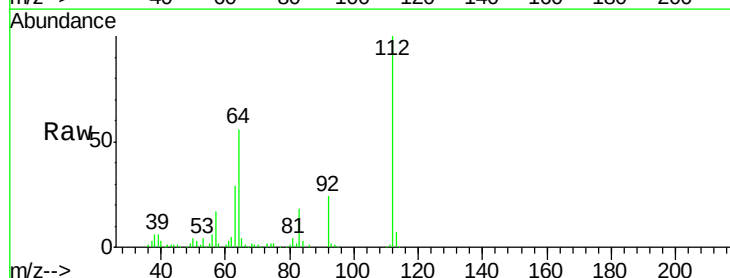


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

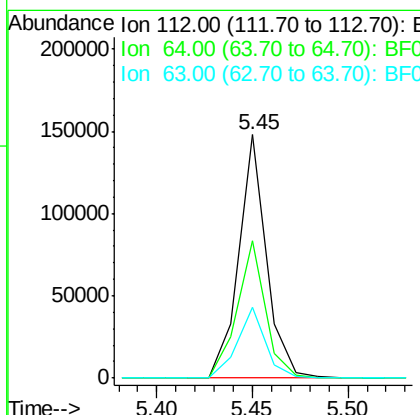
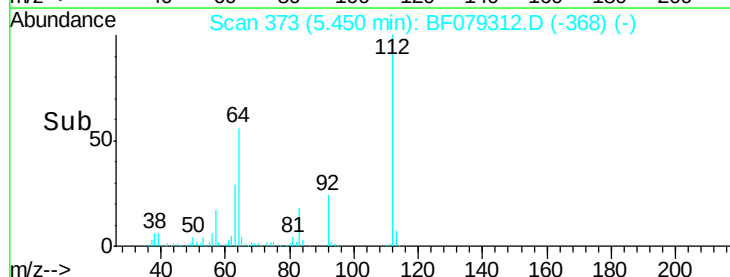


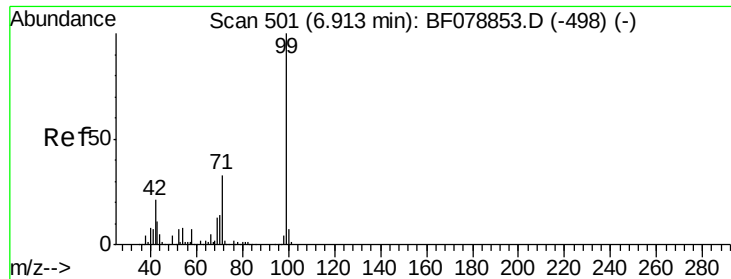
#5  
 2-Fluorophenol  
 Concen: 39.02 ng m  
 RT: 5.45 min Scan# 373  
 Delta R.T. 0.00 min  
 Lab File: BF079312.D  
 Acq: 18 May 2015 12:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 150071 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 56.5  | 44.2  | 66.2   |
| 63       | 29.0  | 22.7  | 34.1   |



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: 39.03 ng

RT: 6.73 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF079312.D

Acq: 18 May 2015 12:21

Instrument :

BNA\_F

ClientSampleId :

1505123096RE

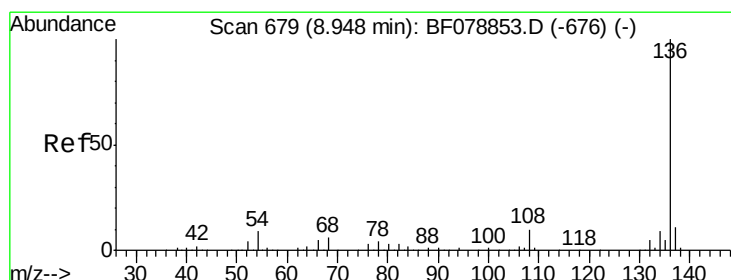
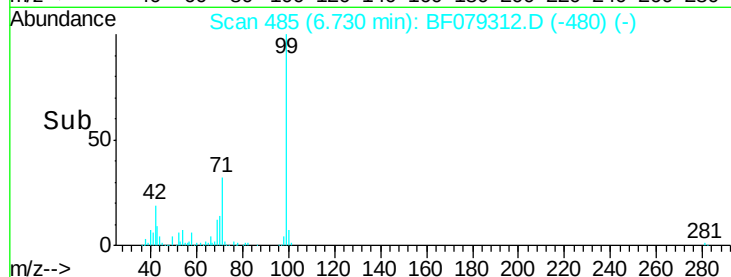
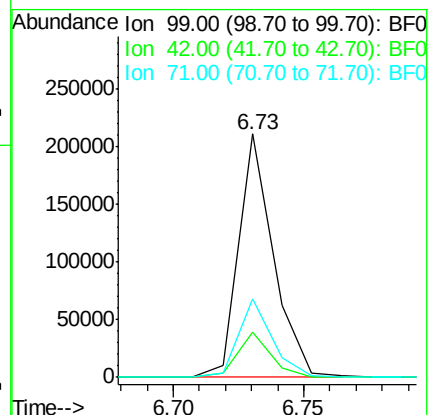
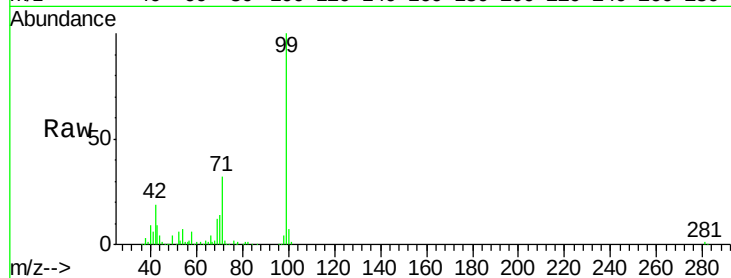
Tot Ion: 99 Resp: 198428

Ion Ratio Lower Upper

99 100

42 18.8 17.1 25.7

71 32.1 26.3 39.5



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. 0.00 min

Lab File: BF079312.D

Acq: 18 May 2015 12:21

Tgt Ion: 136 Resp: 270705

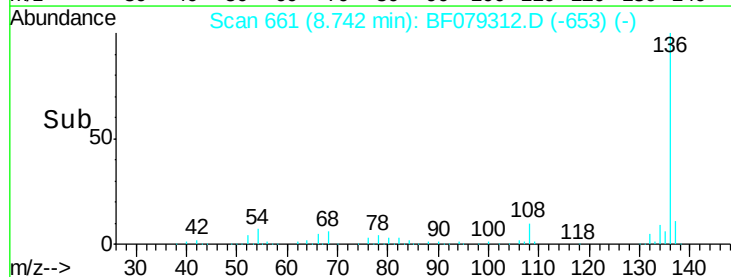
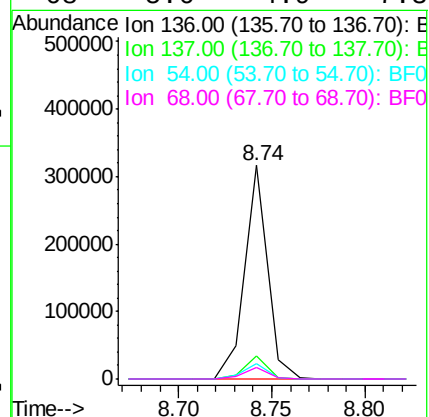
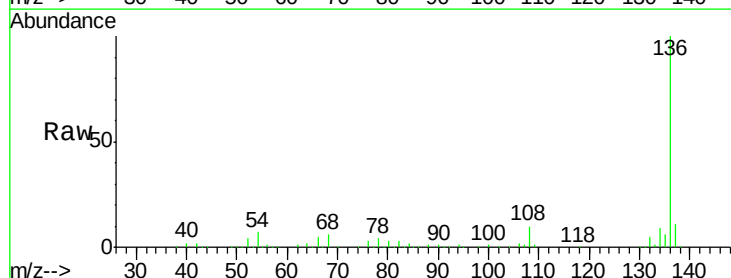
Ion Ratio Lower Upper

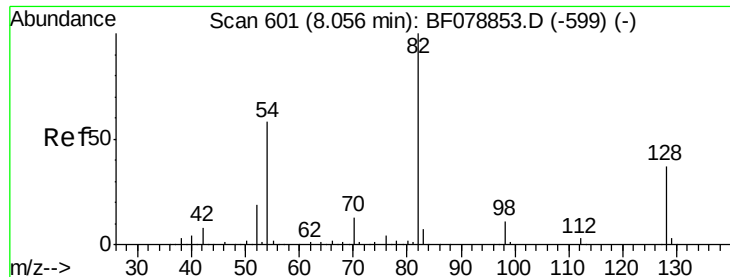
136 100

137 11.0 8.8 13.2

54 7.5 6.9 10.3

68 5.6 4.9 7.3

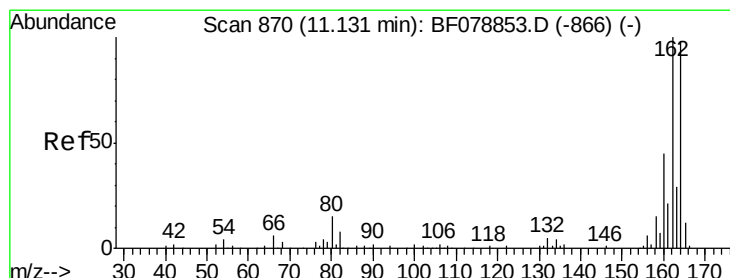
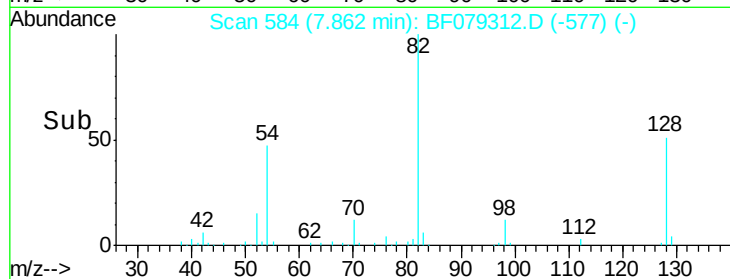
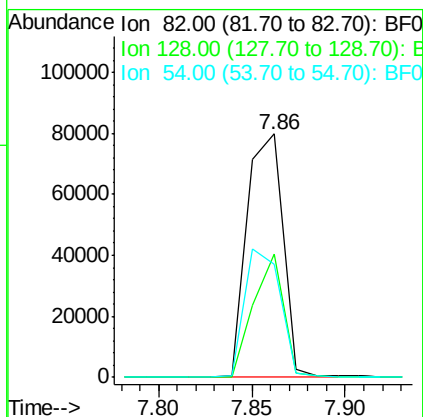
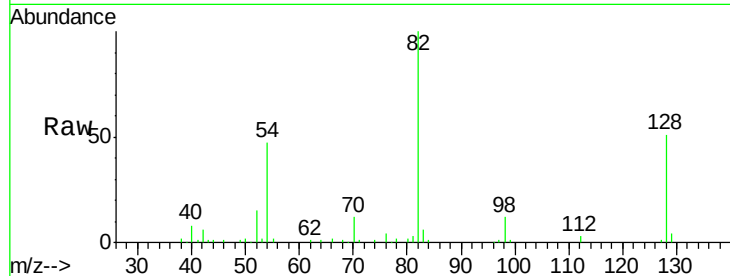




#23  
 Nitrobenzene-d5  
 Concen: 22.72 ng  
 RT: 7.86 min Scan# 584  
 Delta R.T. 0.00 min  
 Lab File: BF079312.D  
 Acq: 18 May 2015 12:21

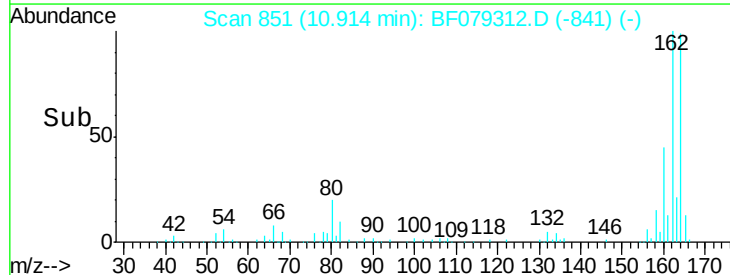
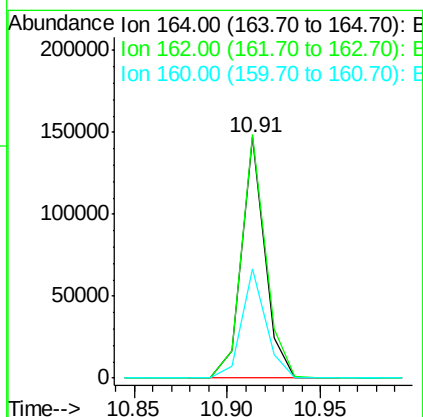
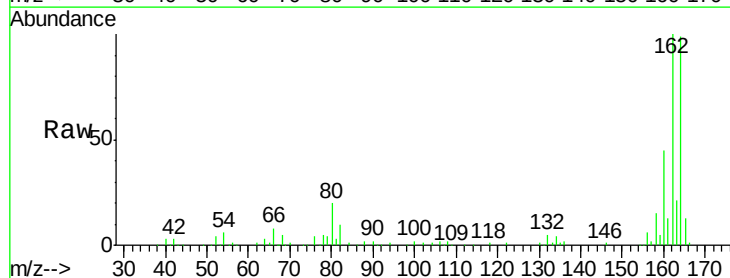
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1505123096RE

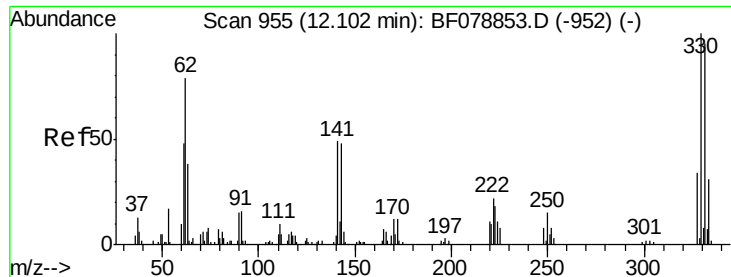
Tot Ion: 82 Resp: 107002  
 Ion Ratio Lower Upper  
 82 100  
 128 50.8 29.7 44.5#  
 54 46.6 46.2 69.4



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.91 min Scan# 851  
 Delta R.T. 0.00 min  
 Lab File: BF079312.D  
 Acq: 18 May 2015 12:21

Tgt Ion: 164 Resp: 129469  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 81.4 122.0  
 160 45.3 36.6 54.8

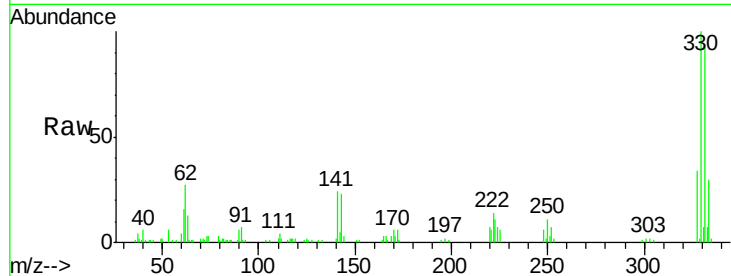




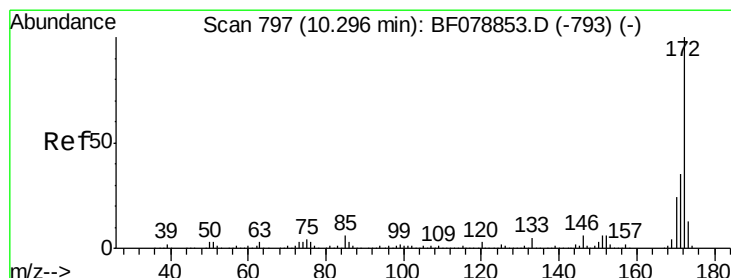
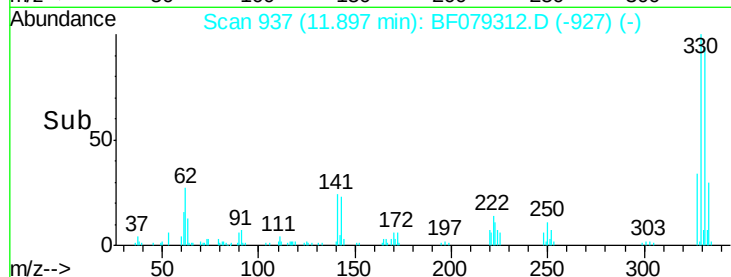
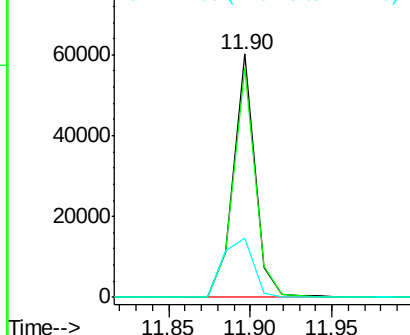
#41  
 2,4,6-Tribromophenol  
 Concen: 39.29 ng  
 RT: 11.90 min Scan# 937  
 Delta R.T. 0.00 min  
 Lab File: BF079312.D  
 Acq: 18 May 2015 12:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1505123096RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 76.9  | 115.3 |
| 141     | 34.0  | 27.8  | 41.8  |

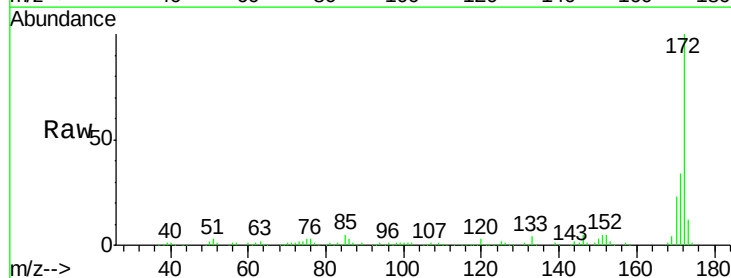


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

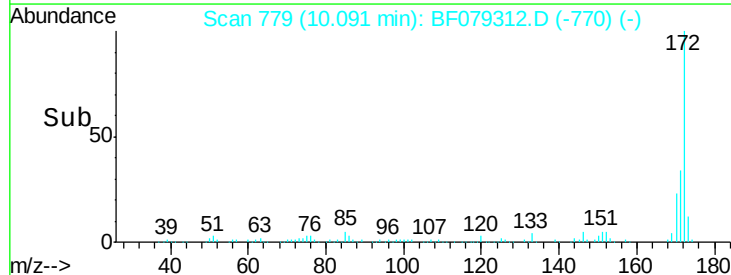
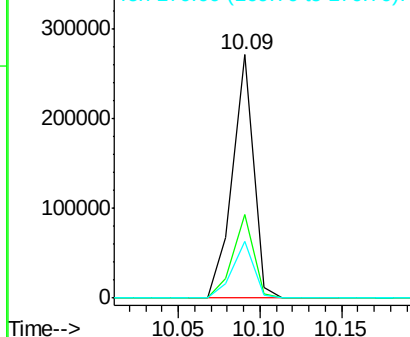


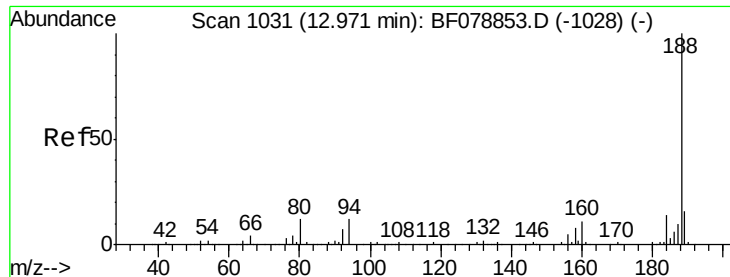
#44  
 2-Fluorobiphenyl  
 Concen: 25.95 ng  
 RT: 10.09 min Scan# 779  
 Delta R.T. 0.00 min  
 Lab File: BF079312.D  
 Acq: 18 May 2015 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.1  | 28.3  | 42.5  |
| 170     | 23.3  | 19.4  | 29.2  |



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

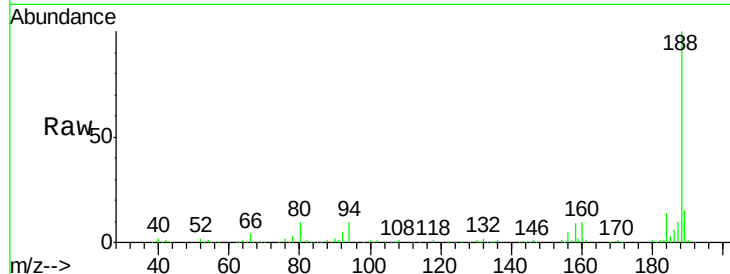




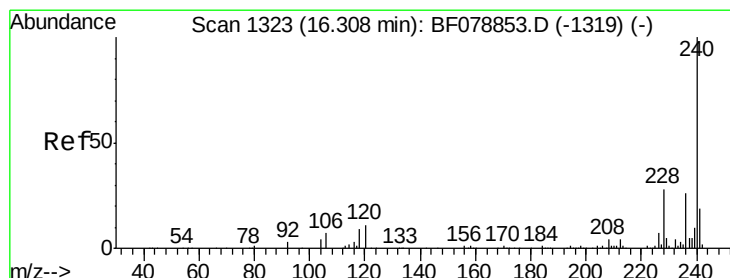
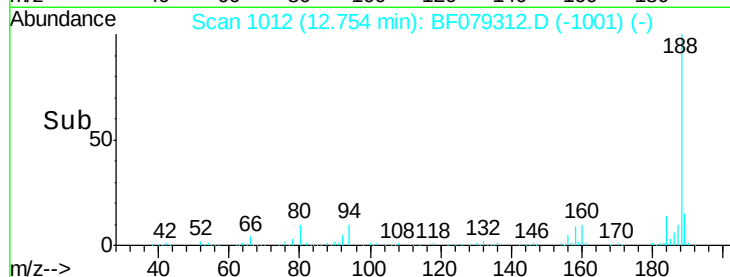
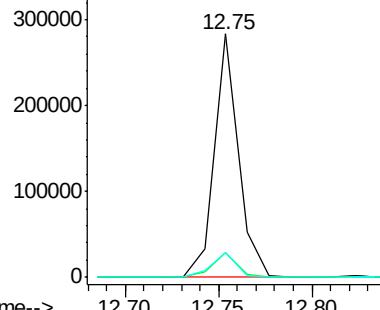
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.75 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: BF079312.D  
Acq: 18 May 2015 12:21

Instrument :  
BNA\_F  
ClientSampleId :  
1505123096RE

Tot Ion:188 Resp: 254624  
Ion Ratio Lower Upper  
188 100  
94 10.3 9.4 14.0  
80 10.3 9.8 14.6

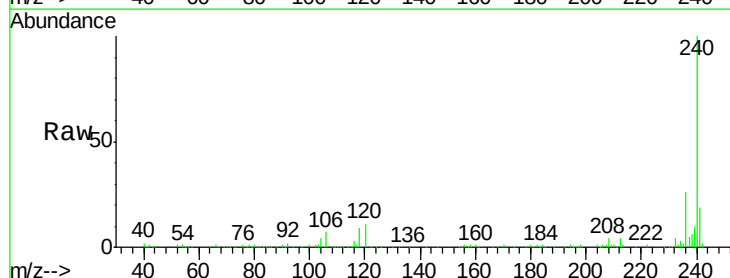


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

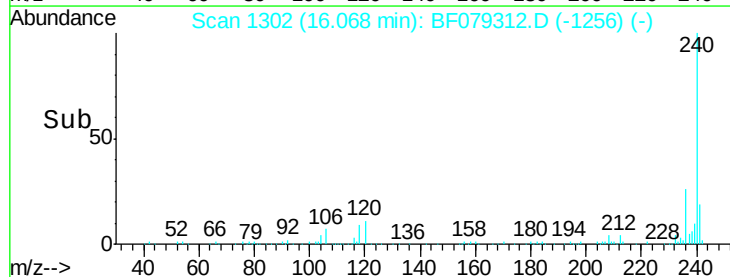
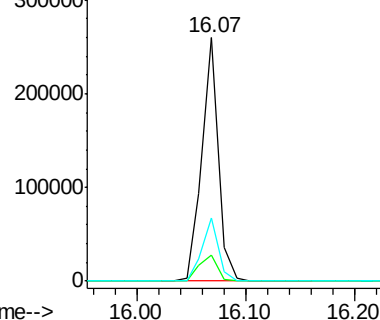


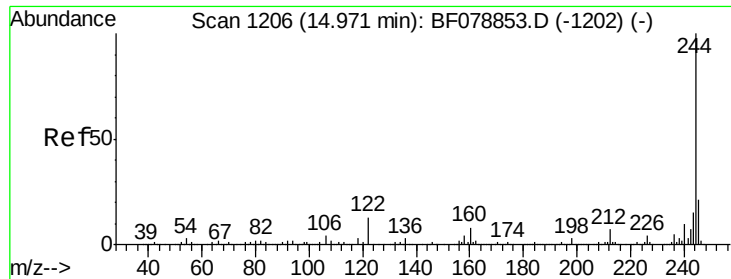
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.07 min Scan# 1302  
Delta R.T. 0.02 min  
Lab File: BF079312.D  
Acq: 18 May 2015 12:21

Tgt Ion:240 Resp: 272361  
Ion Ratio Lower Upper  
240 100  
120 10.8 8.6 12.8  
236 25.8 21.0 31.6



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: 24.43 ng

RT: 14.75 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BF079312.D

Acq: 18 May 2015 12:21

Instrument :

BNA\_F

ClientSampleId :

1505123096RE

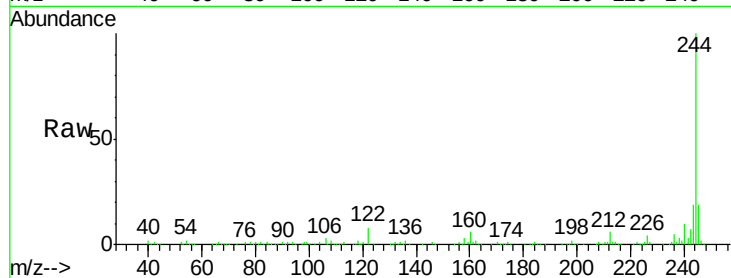
Tot Ion:244 Resp: 277879

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

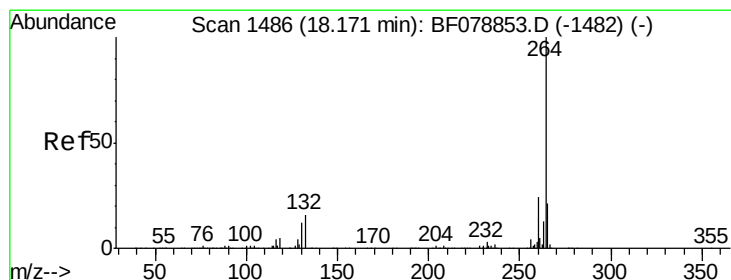
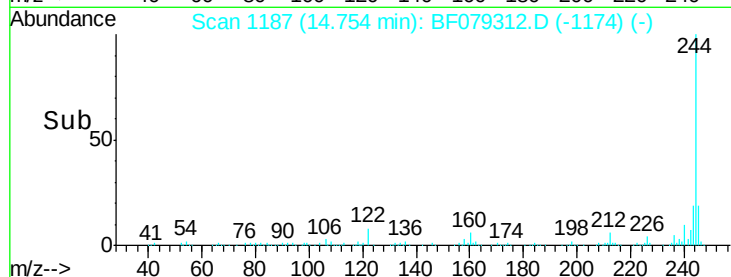
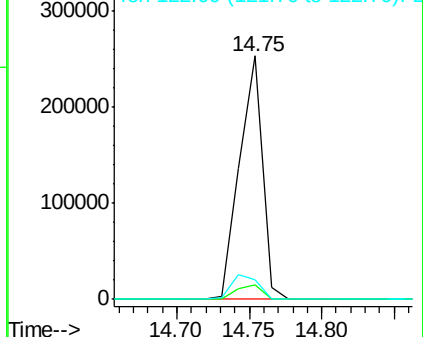
122 8.3 10.5 15.7#



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: 17.92 min Scan# 1464

Delta R.T. 0.09 min

Lab File: BF079312.D

Acq: 18 May 2015 12:21

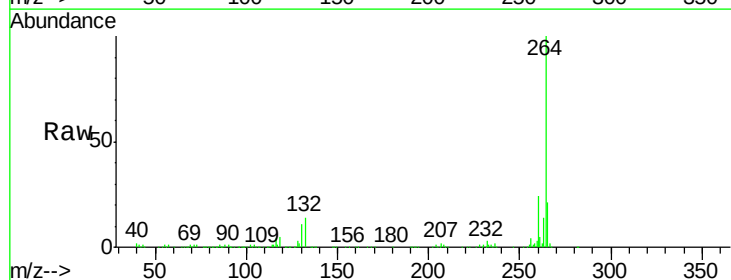
Tgt Ion:264 Resp: 282072

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 21.2 17.2 25.8



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

