

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\  
 Data File : BF078256.D  
 Acq On : 6 Apr 2015 14:53  
 Operator : TP/IZ  
 Sample : PB82522BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82522BL

Quant Time: Apr 07 01:23:24 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  | 40339    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.56  | 136  | 164371   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.72 | 164  | 79616    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.55 | 188  | 159013   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.83 | 240  | 171086   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 17.60 | 264  | 162460   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 289928   | 118.50 | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 371028   | 121.01 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.68  | 82   | 201111   | 74.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.70 | 330  | 85841    | 130.00 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.90  | 172  | 462739   | 83.08  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.55 | 244  | 548075   | 72.39  | ng    | 0.00     |

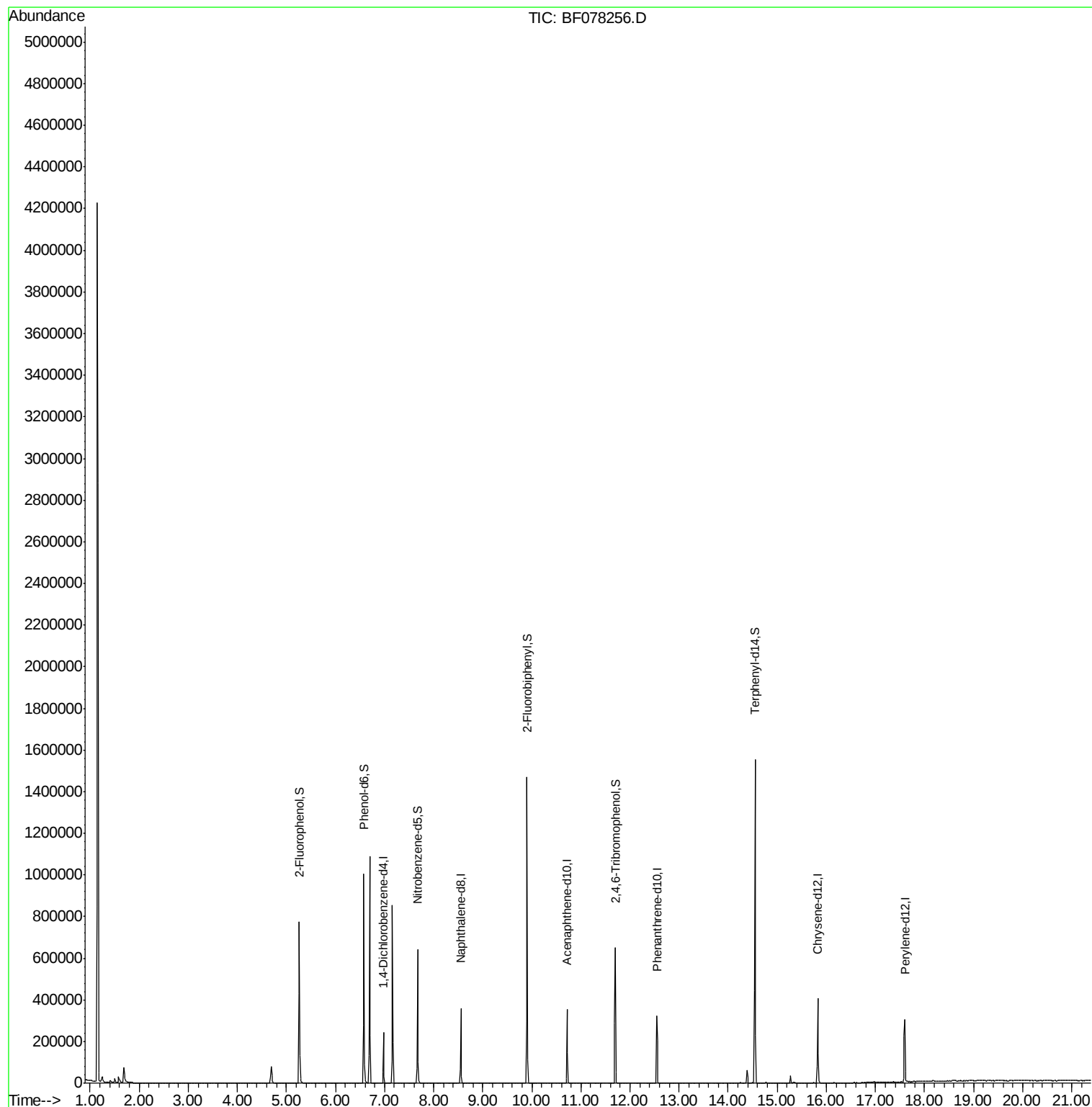
Target Compounds Qvalue

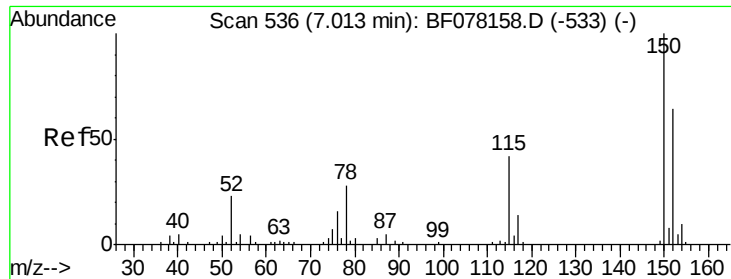
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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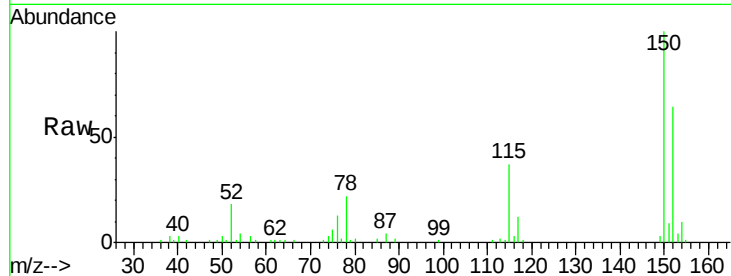


#1

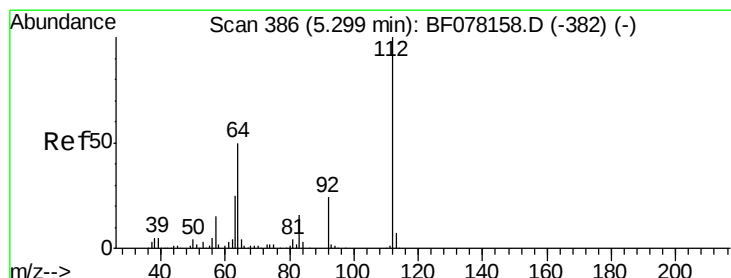
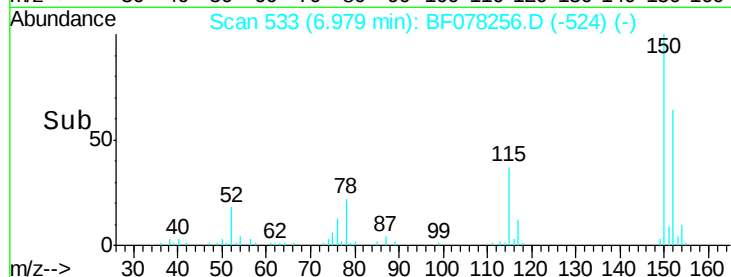
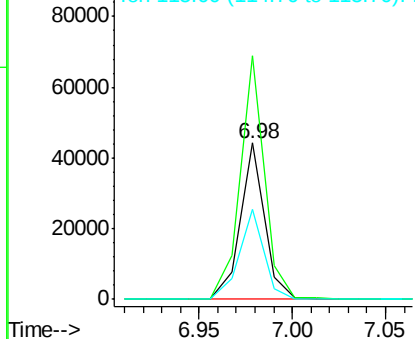
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.98 min Scan# 533  
Delta R.T. -0.00 min  
Lab File: BF078256.D  
Acq: 6 Apr 2015 14:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB82522BL

Tot Ion:152 Resp: 40339  
Ion Ratio Lower Upper  
152 100  
150 155.6 125.9 188.9  
115 57.7 52.7 79.1



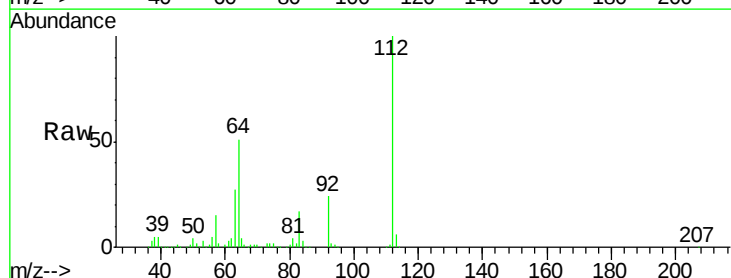
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



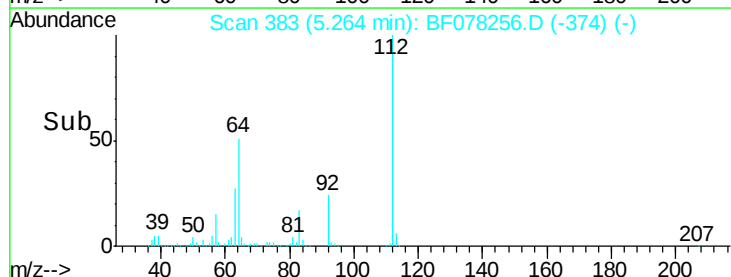
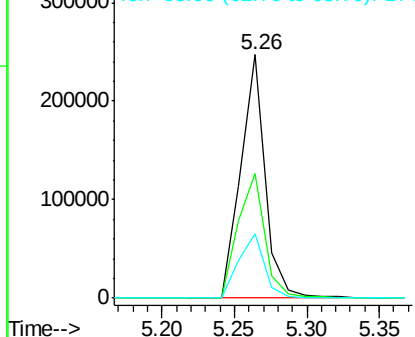
#5

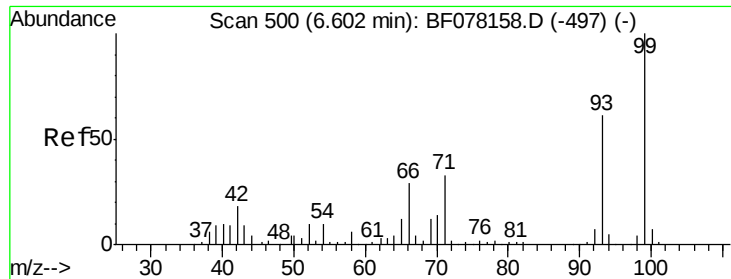
2-Fluorophenol  
Concen: 118.50 ng  
RT: 5.26 min Scan# 383  
Delta R.T. -0.00 min  
Lab File: BF078256.D  
Acq: 6 Apr 2015 14:53

Tgt Ion:112 Resp: 289928  
Ion Ratio Lower Upper  
112 100  
64 51.0 39.9 59.9  
63 26.6 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: 121.01 ng

RT: 6.58 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF078256.D

Acq: 6 Apr 2015 14:53

Instrument :

BNA\_F

ClientSampleID :

PB82522BL

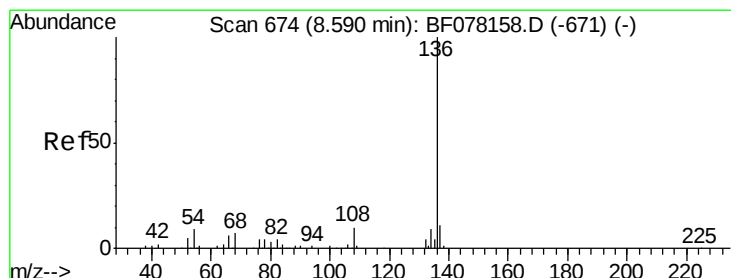
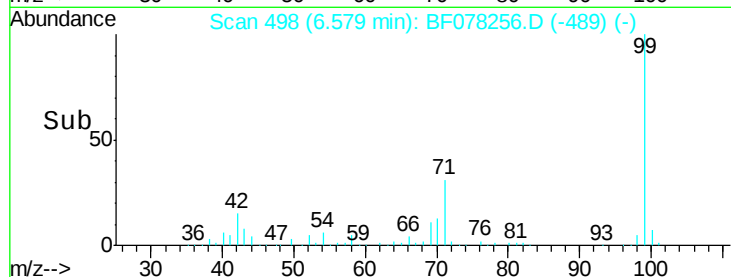
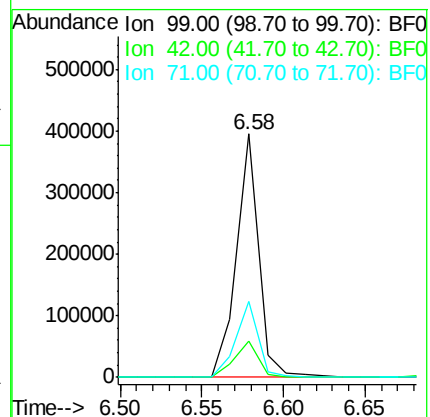
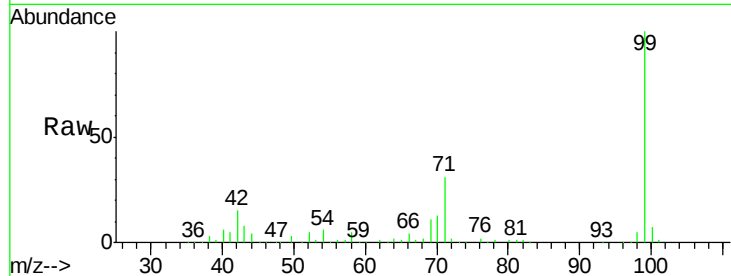
Tot Ion: 99 Resp: 371028

Ion Ratio Lower Upper

99 100

42 15.0 14.8 22.2

71 31.0 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: BF078256.D

Acq: 6 Apr 2015 14:53

Tgt Ion: 136 Resp: 164371

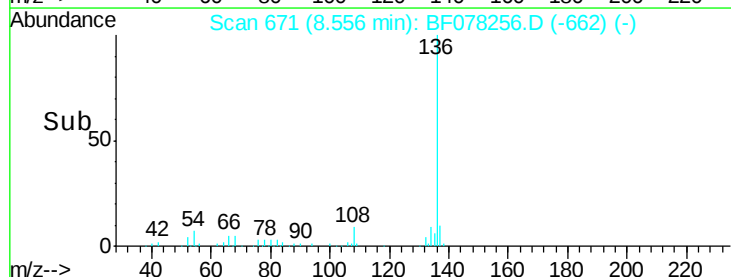
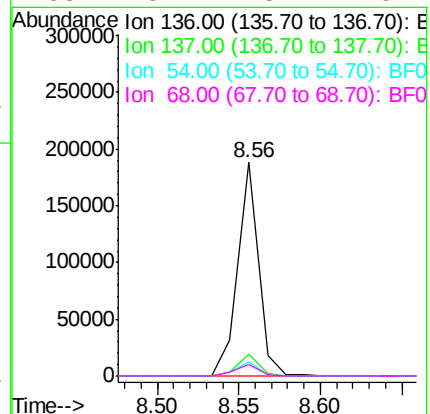
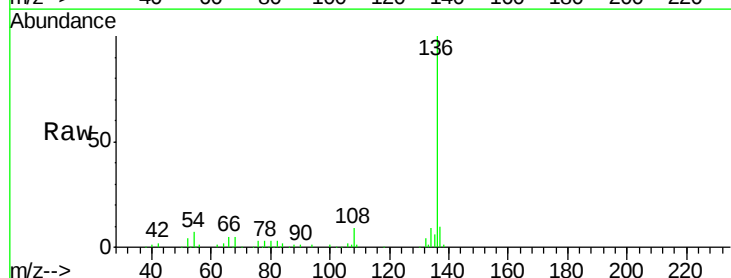
Ion Ratio Lower Upper

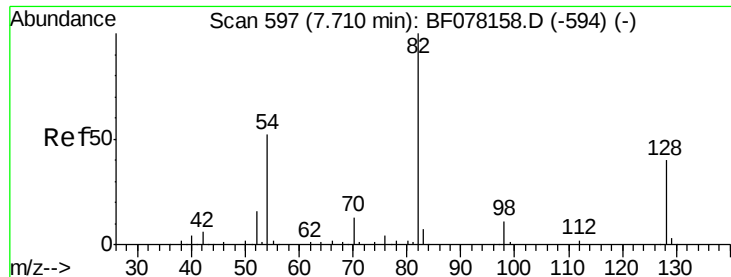
136 100

137 10.5 9.0 13.4

54 6.7 7.0 10.6#

68 5.4 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 74.16 ng

RT: 7.68 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF078256.D

Acq: 6 Apr 2015 14:53

Instrument :

BNA\_F

ClientSampleId :

PB82522BL

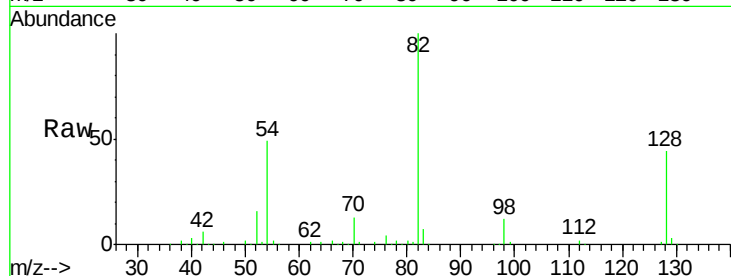
Tot Ion: 82 Resp: 201111

Ion Ratio Lower Upper

82 100

128 44.5 31.8 47.8

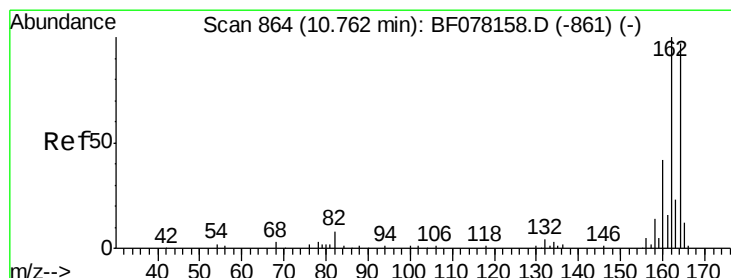
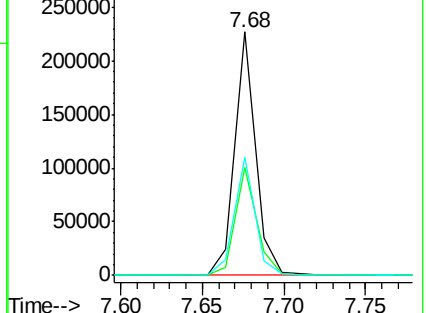
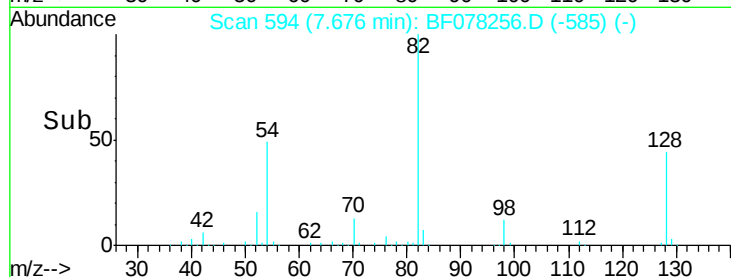
54 48.7 41.5 62.3



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: 10.72 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF078256.D

Acq: 6 Apr 2015 14:53

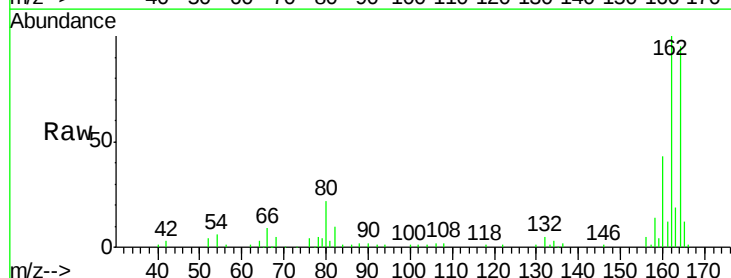
Tgt Ion:164 Resp: 79616

Ion Ratio Lower Upper

164 100

162 105.8 82.2 123.2

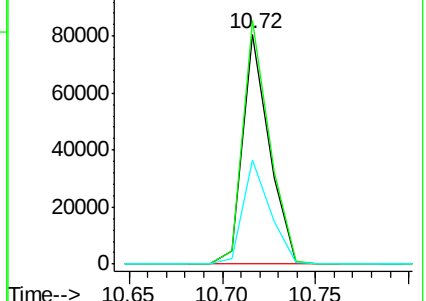
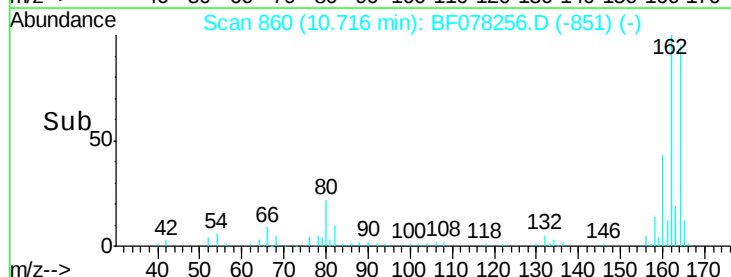
160 45.2 34.7 52.1

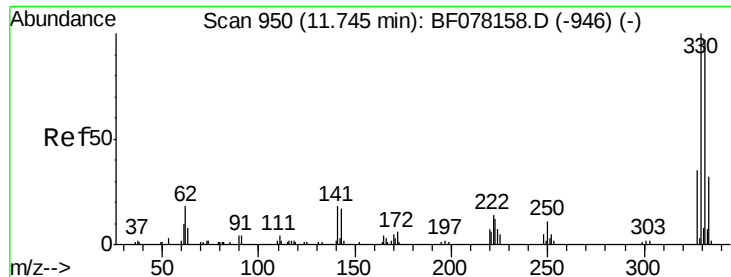


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

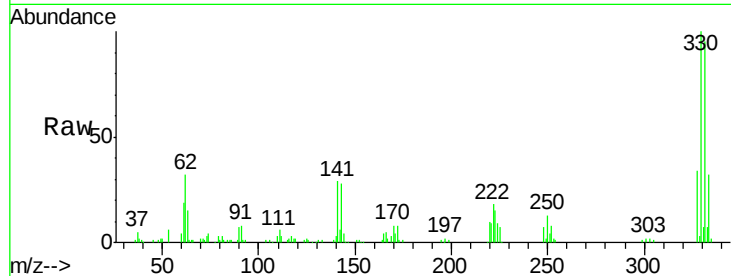




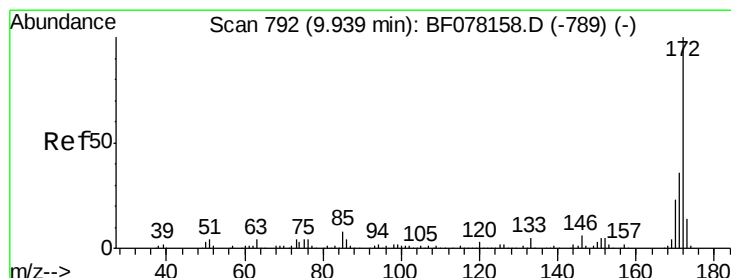
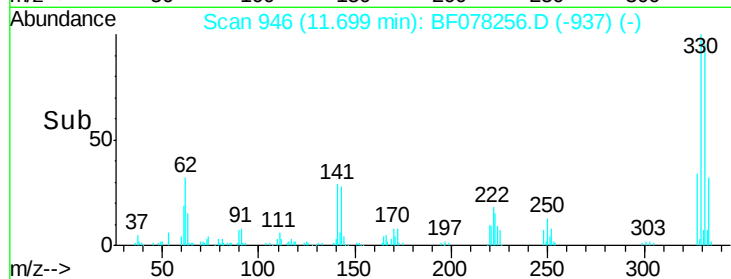
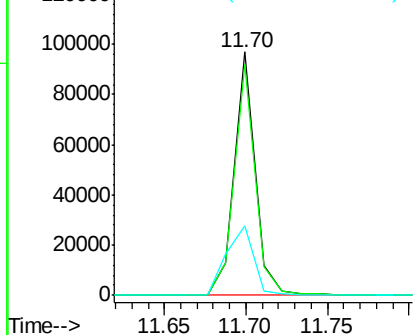
#41  
 2,4,6-Tribromophenol  
 Concen: 130.00 ng  
 RT: 11.70 min Scan# 946  
 Delta R.T. -0.00 min  
 Lab File: BF078256.D  
 Acq: 6 Apr 2015 14:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82522BL

Tot Ion:330 Resp: 85841  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 78.6 117.8  
 141 37.2 31.2 46.8

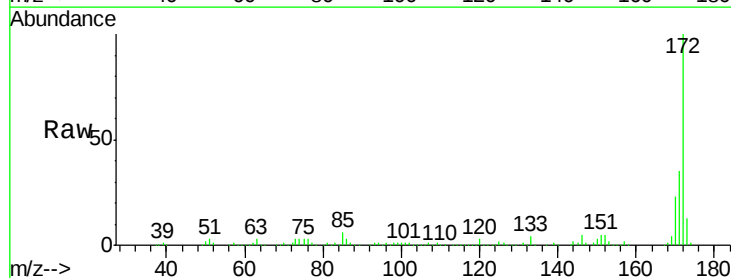


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

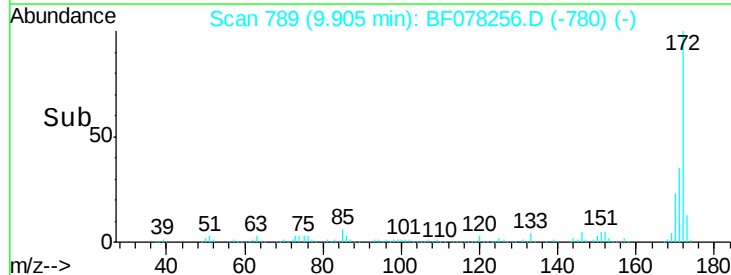
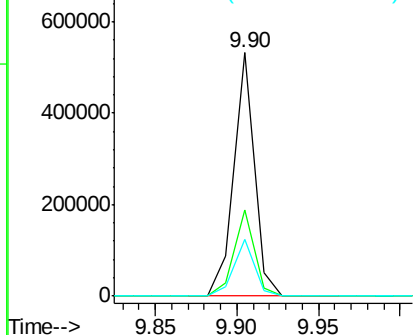


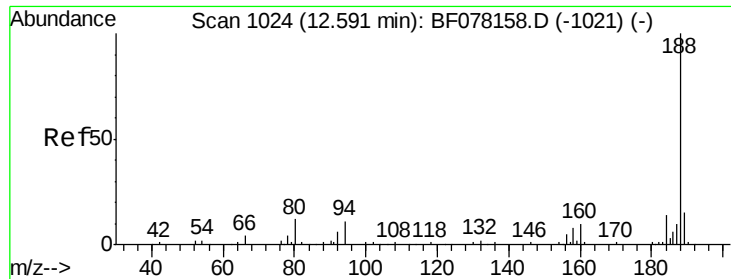
#44  
 2-Fluorobiphenyl  
 Concen: 83.08 ng  
 RT: 9.90 min Scan# 789  
 Delta R.T. -0.00 min  
 Lab File: BF078256.D  
 Acq: 6 Apr 2015 14:53

Tgt Ion:172 Resp: 462739  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.6 42.8  
 170 23.4 18.5 27.7



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

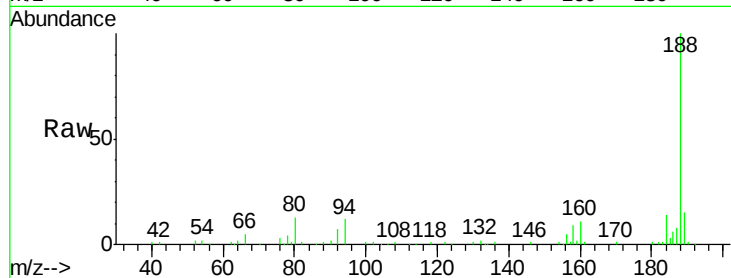




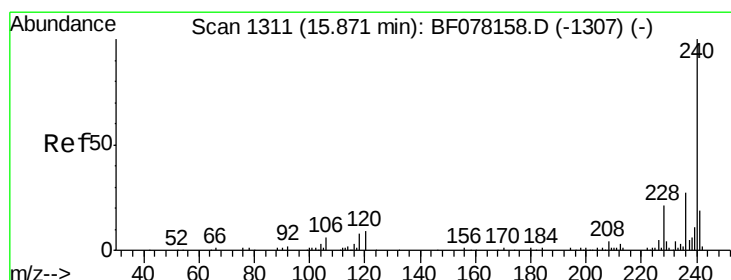
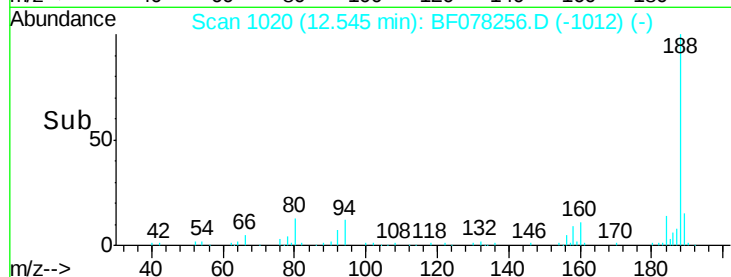
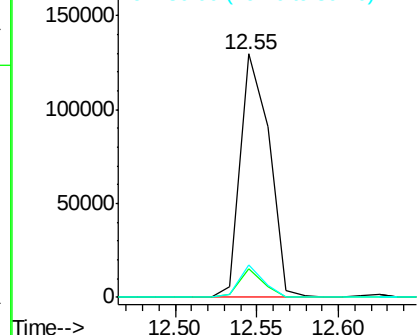
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.55 min Scan# 1020  
 Delta R.T. -0.01 min  
 Lab File: BF078256.D  
 Acq: 6 Apr 2015 14:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82522BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.8  | 9.0   | 13.4  |
| 80      | 13.2  | 9.5   | 14.3  |

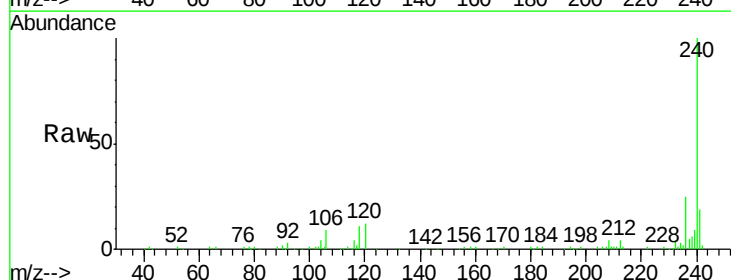


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

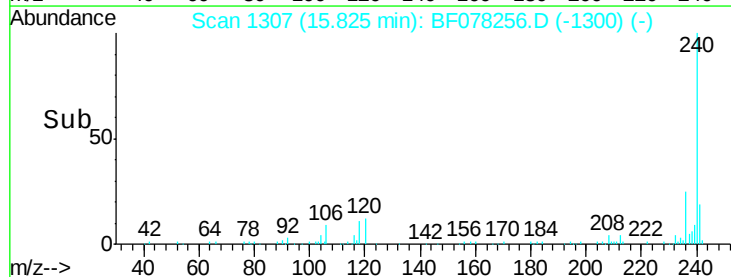
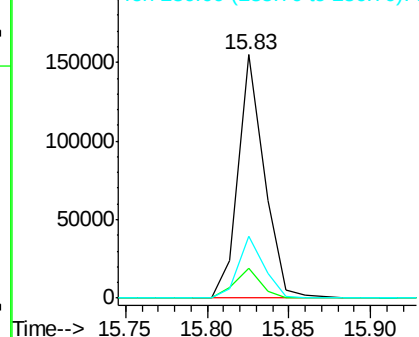


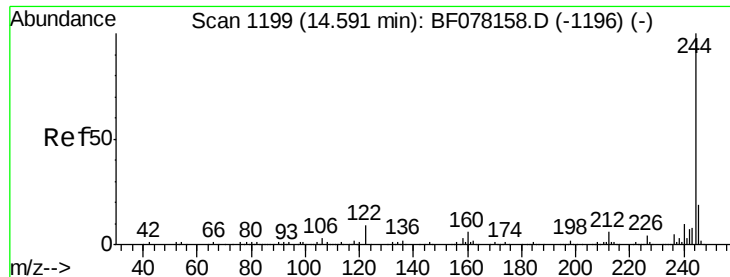
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.83 min Scan# 1307  
 Delta R.T. -0.02 min  
 Lab File: BF078256.D  
 Acq: 6 Apr 2015 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.3  | 7.1   | 10.7# |
| 236     | 25.4  | 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

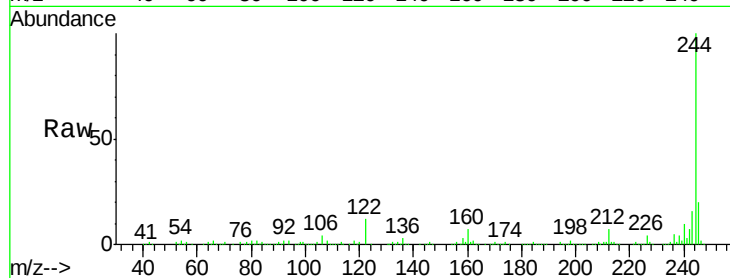




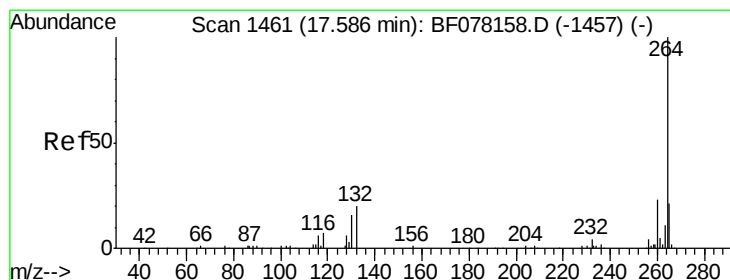
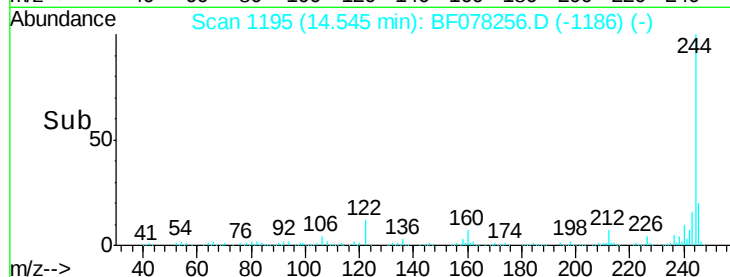
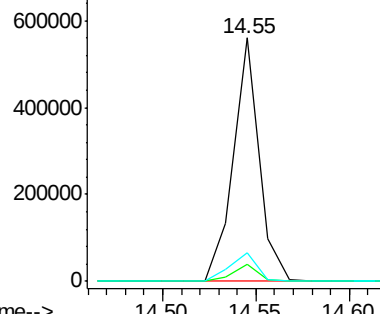
#78  
 Terphenyl-d14  
 Concen: 72.39 ng  
 RT: 14.55 min Scan# 1195  
 Delta R.T. -0.00 min  
 Lab File: BF078256.D  
 Acq: 6 Apr 2015 14:53

Instrument :  
 BNA\_F  
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 PB82522BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.0   | 7.4   |
| 122     | 11.9  | 7.1   | 10.7  |

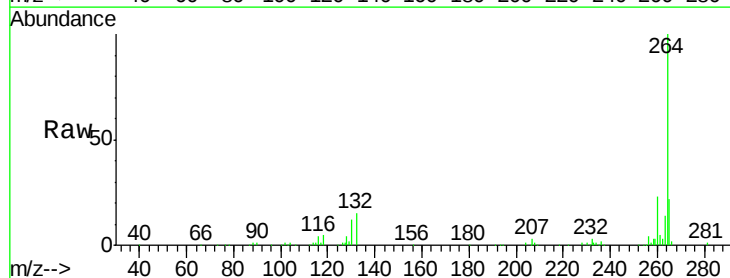


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.60 min Scan# 1462  
 Delta R.T. -0.05 min  
 Lab File: BF078256.D  
 Acq: 6 Apr 2015 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.6  | 27.8  |
| 265     | 21.6  | 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

