

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040715\  
 Data File : BF078320.D  
 Acq On : 8 Apr 2015 4:09  
 Operator : TP/IZ  
 Sample : PB82522TB  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82522TB

Quant Time: Apr 08 04:37:01 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 08 03:14:41 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.93  | 152  | 38182    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.51  | 136  | 157514   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.67 | 164  | 78526    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.50 | 188  | 159707   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.77 | 240  | 167182   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 17.43 | 264  | 159080   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 278870   | 120.42 | ng    | 0.01     |
| 7) Phenol-d6                | 6.52  | 99   | 328818   | 113.30 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.63  | 82   | 206107   | 79.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.65 | 330  | 84717    | 130.08 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.86  | 172  | 452399   | 82.35  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.50 | 244  | 551057   | 74.48  | ng    | 0.00     |

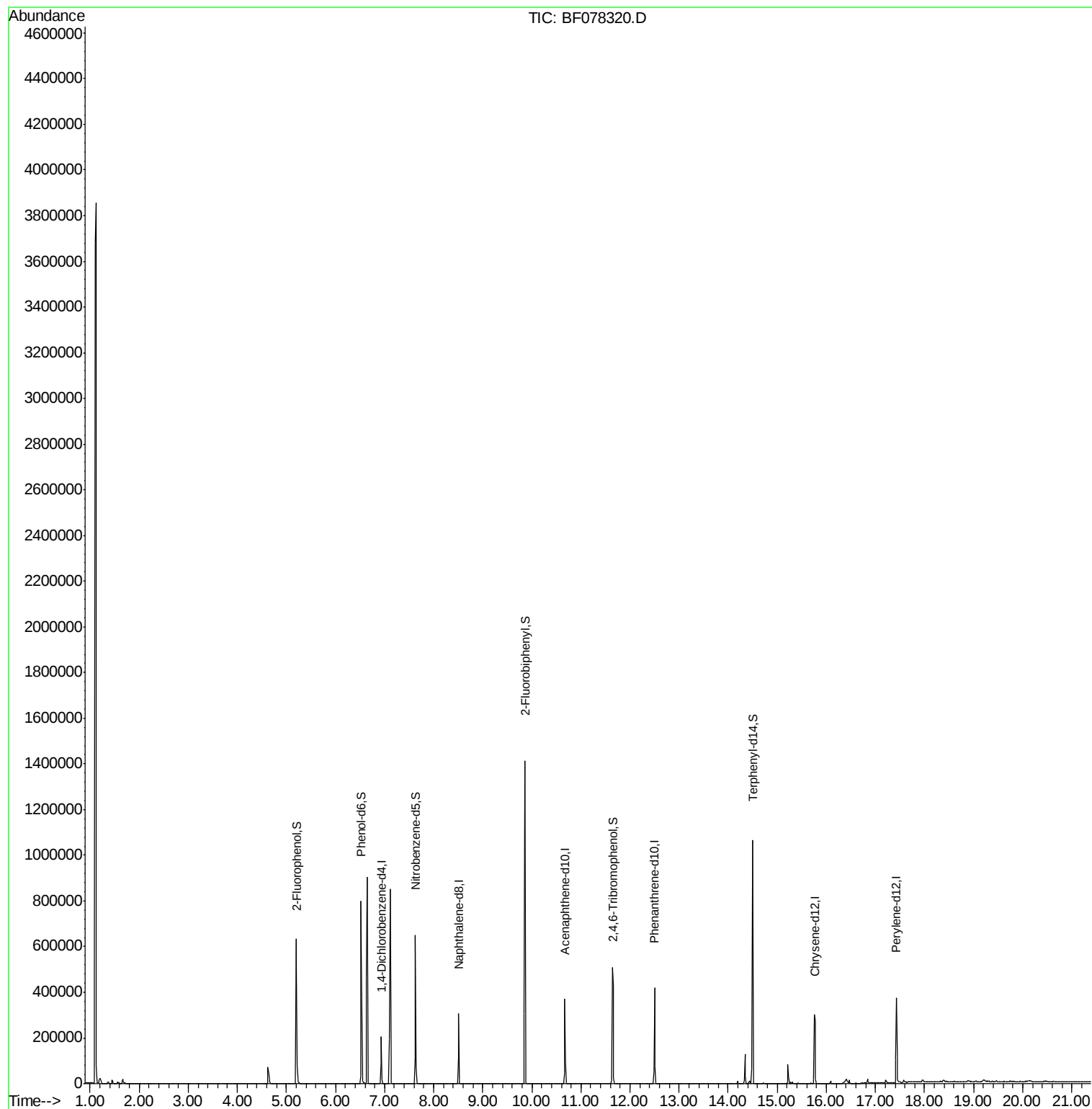
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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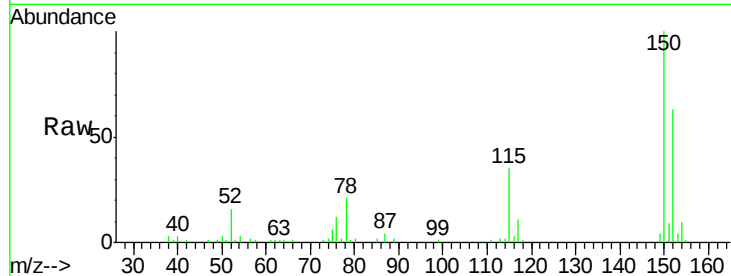




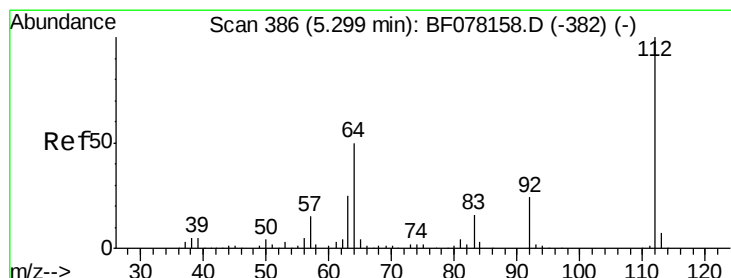
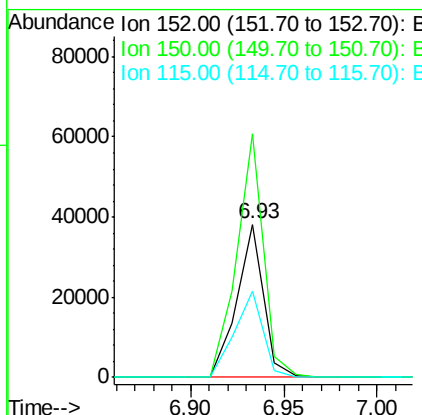
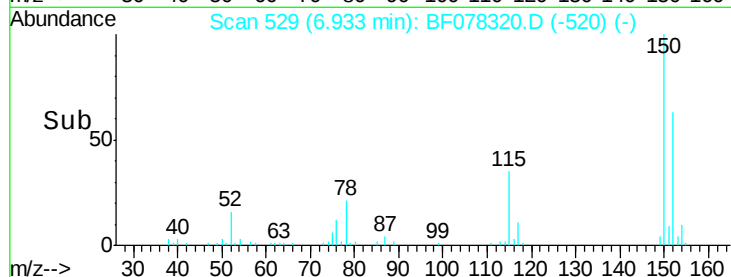
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.93 min Scan# 529  
 Delta R.T. 0.00 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82522TB

Tgt Ion:152 Resp: 38182  
 Ion Ratio Lower Upper  
 152 100  
 150 159.0 125.9 188.9  
 115 56.0 52.7 79.1

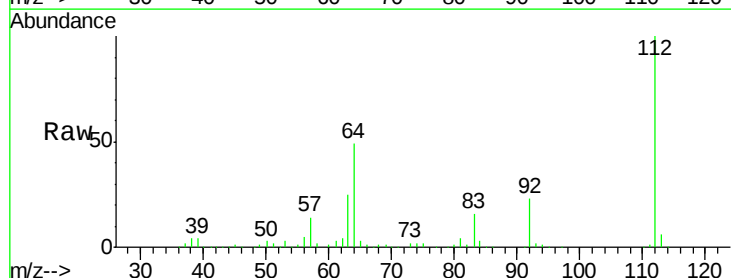


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

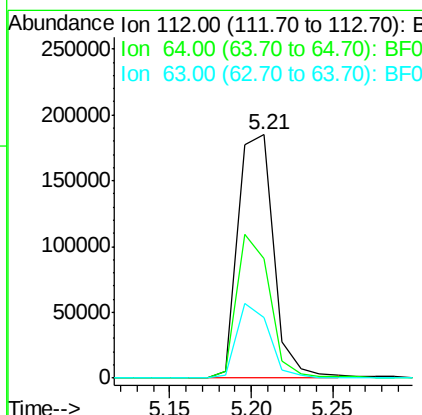
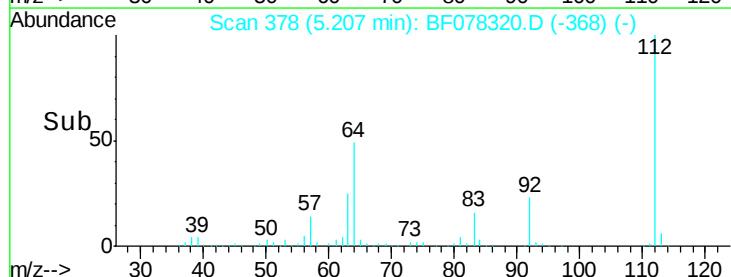


#5  
 2-Fluorophenol  
 Concen: 120.42 ng  
 RT: 5.21 min Scan# 378  
 Delta R.T. 0.01 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

Tgt Ion:112 Resp: 278870  
 Ion Ratio Lower Upper  
 112 100  
 64 49.2 39.9 59.9  
 63 24.9 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: 113.30 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF078320.D

Acq: 8 Apr 2015 4:09

Instrument :

BNA\_F

ClientSampleId :

PB82522TB

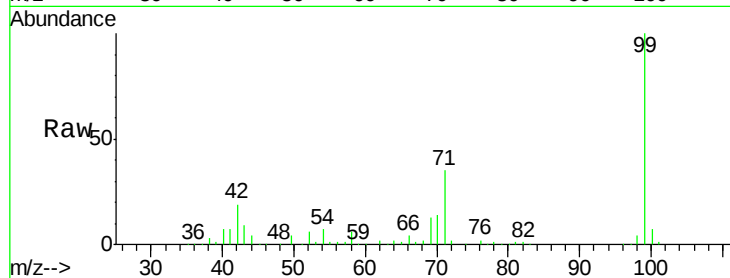
Tgt Ion: 99 Resp: 328818

Ion Ratio Lower Upper

99 100

42 18.8 14.8 22.2

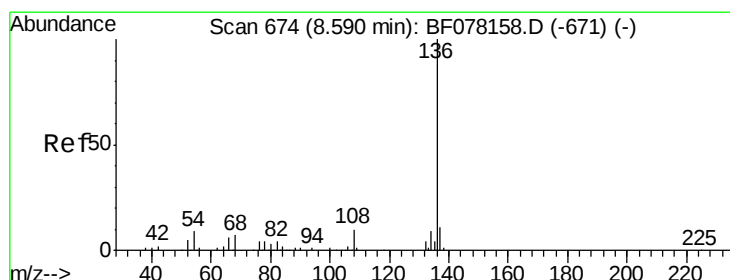
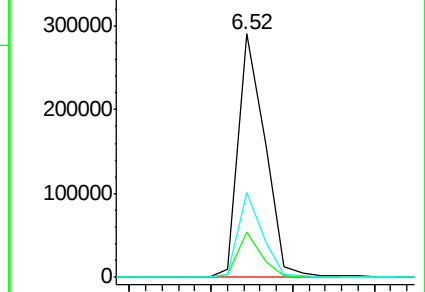
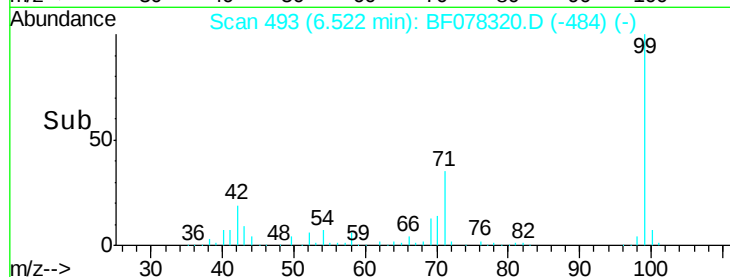
71 34.8 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF078320.D (-484) (-)

Ion 42.00 (41.70 to 42.70): BF078320.D (-484) (-)

Ion 71.00 (70.70 to 71.70): BF078320.D (-484) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.51 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF078320.D

Acq: 8 Apr 2015 4:09

Tgt Ion: 136 Resp: 157514

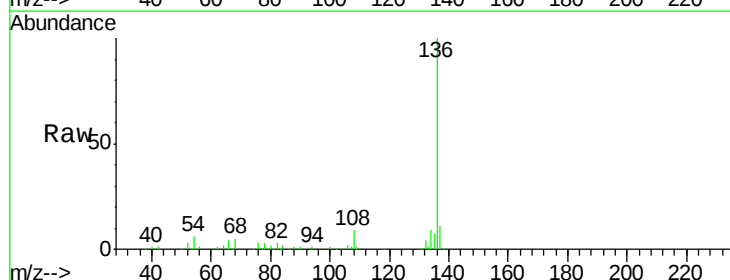
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 5.8 7.0 10.6#

68 4.6 5.4 8.2#

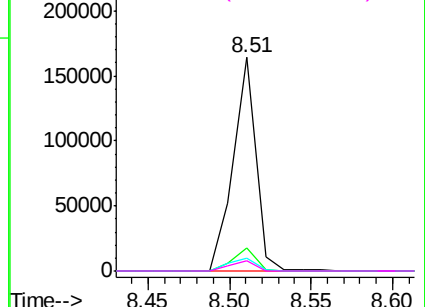
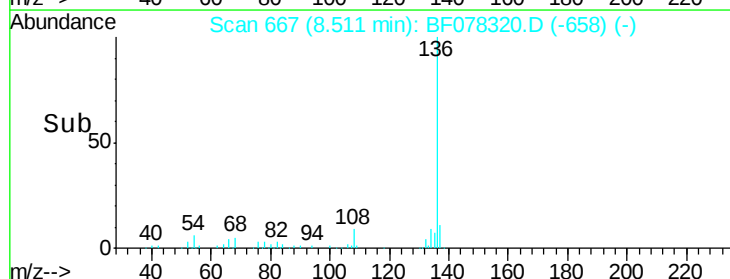


Abundance Ion 136.00 (135.70 to 136.70): BF078320.D (-658) (-)

Ion 137.00 (136.70 to 137.70): BF078320.D (-658) (-)

Ion 54.00 (53.70 to 54.70): BF078320.D (-658) (-)

Ion 68.00 (67.70 to 68.70): BF078320.D (-658) (-)

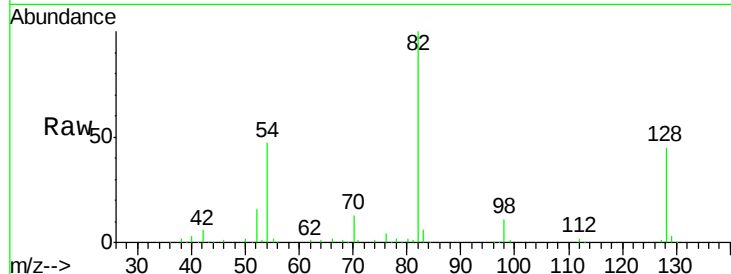




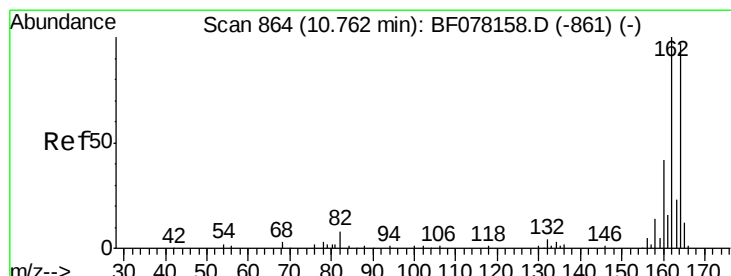
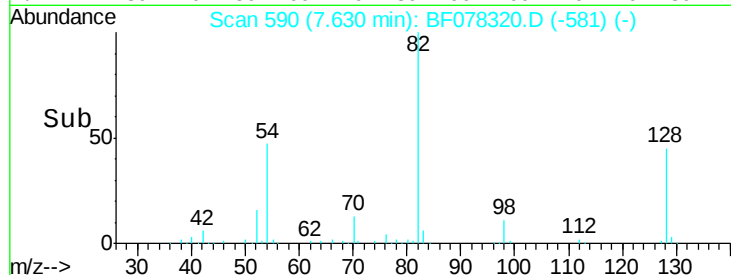
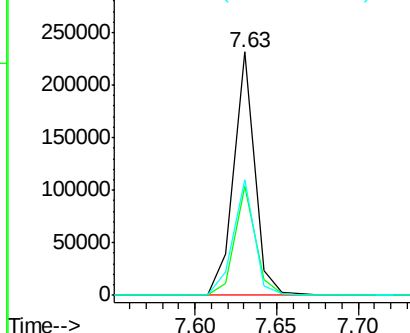
#23  
 Nitrobenzene-d5  
 Concen: 79.31 ng  
 RT: 7.63 min Scan# 590  
 Delta R.T. 0.00 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82522TB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.9  | 31.8  | 47.8  |
| 54      | 47.5  | 41.5  | 62.3  |

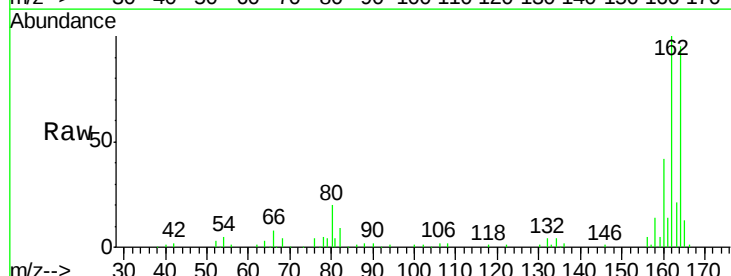


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

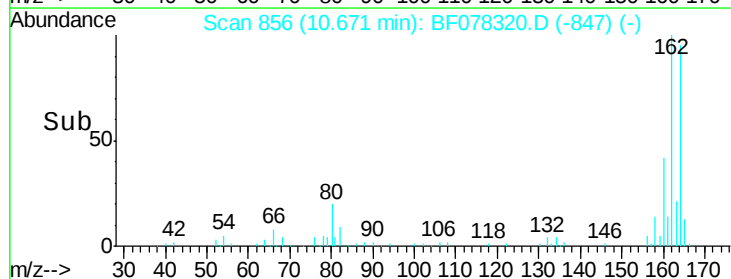
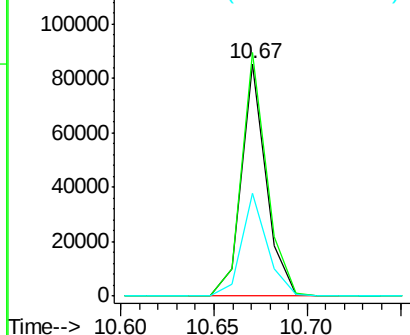


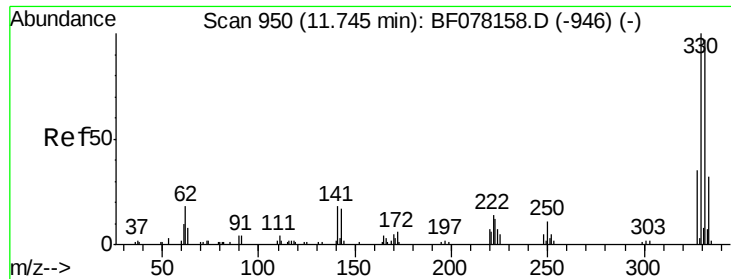
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.67 min Scan# 856  
 Delta R.T. 0.00 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.8 | 82.2  | 123.2 |
| 160     | 44.5  | 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

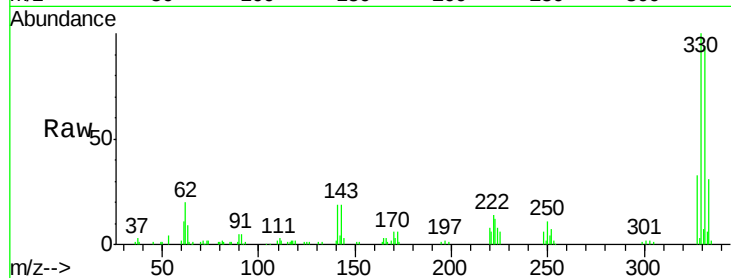




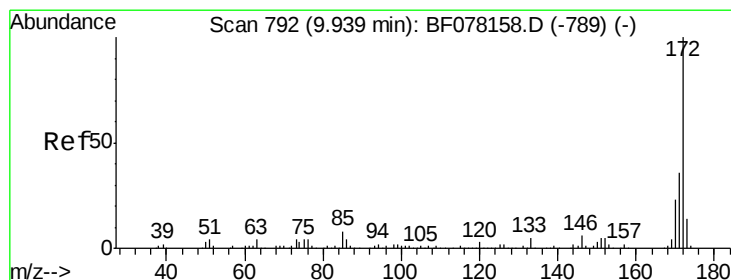
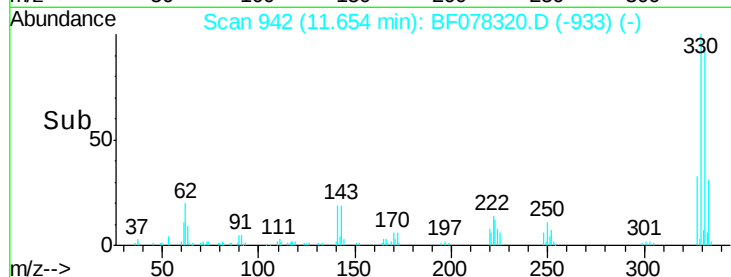
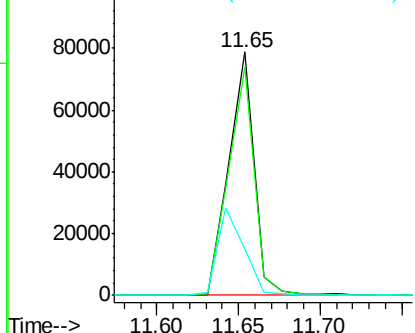
#41  
 2,4,6-Tribromophenol  
 Concen: 130.08 ng  
 RT: 11.65 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82522TB

Tgt Ion:330 Resp: 84717  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 78.6 117.8  
 141 37.3 31.2 46.8

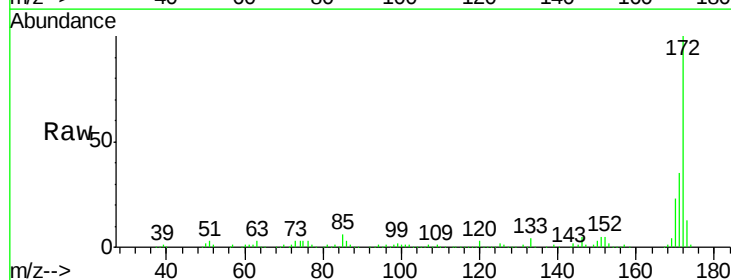


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

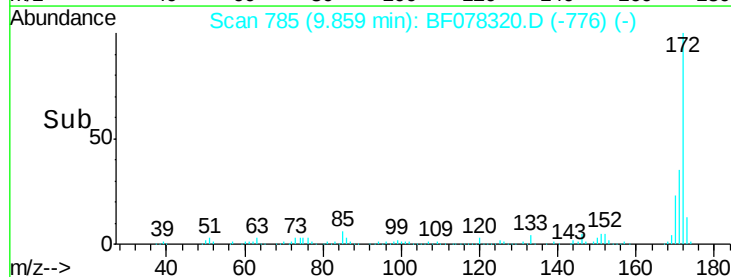
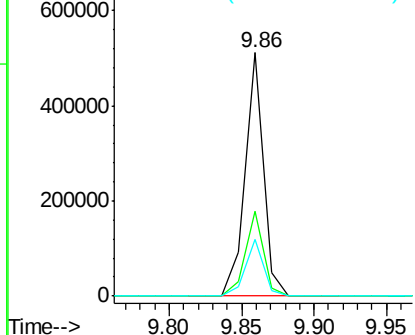


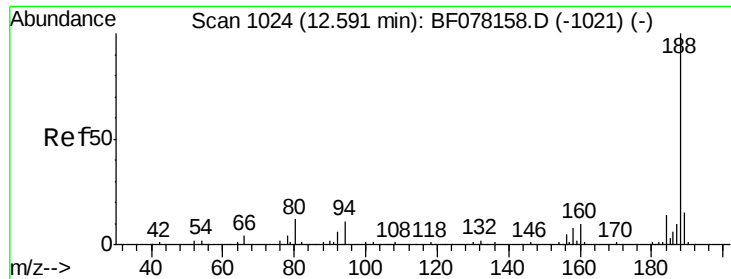
#44  
 2-Fluorobiphenyl  
 Concen: 82.35 ng  
 RT: 9.86 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

Tgt Ion:172 Resp: 452399  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.6 42.8  
 170 23.3 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

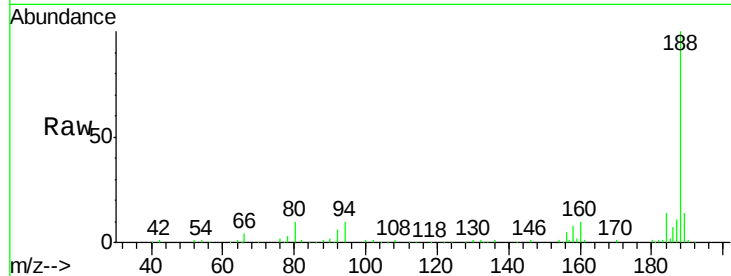




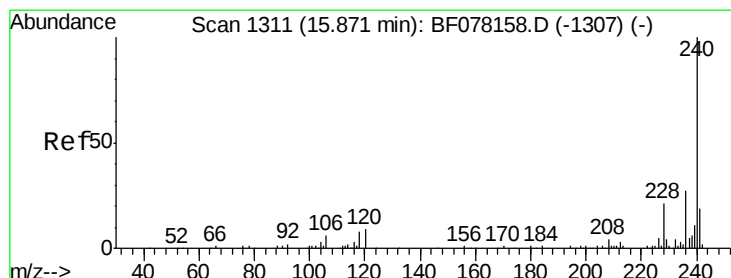
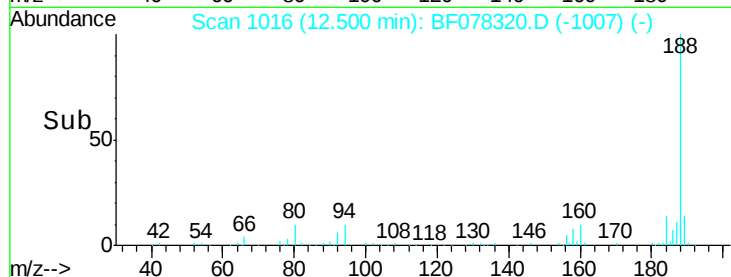
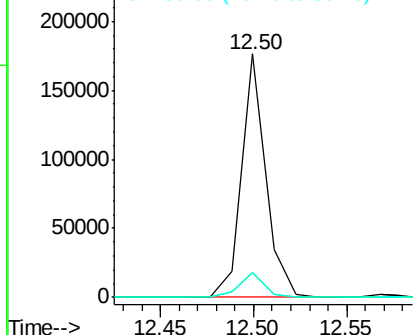
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.50 min Scan# 1016  
Delta R.T. 0.00 min  
Lab File: BF078320.D  
Acq: 8 Apr 2015 4:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB82522TB

Tgt Ion:188 Resp: 159707  
Ion Ratio Lower Upper  
188 100  
94 9.9 9.0 13.4  
80 10.4 9.5 14.3

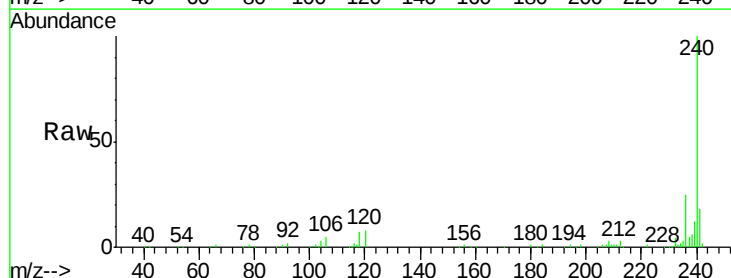


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

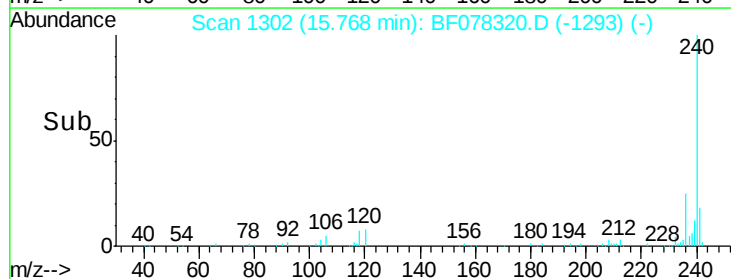
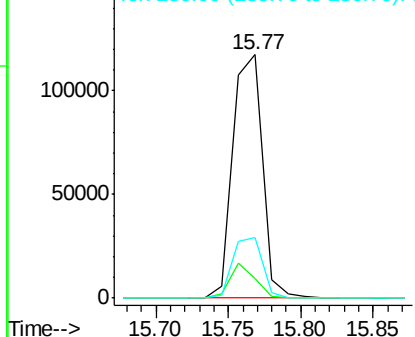


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.77 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: BF078320.D  
Acq: 8 Apr 2015 4:09

Tgt Ion:240 Resp: 167182  
Ion Ratio Lower Upper  
240 100  
120 8.0 7.1 10.7  
236 24.7 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

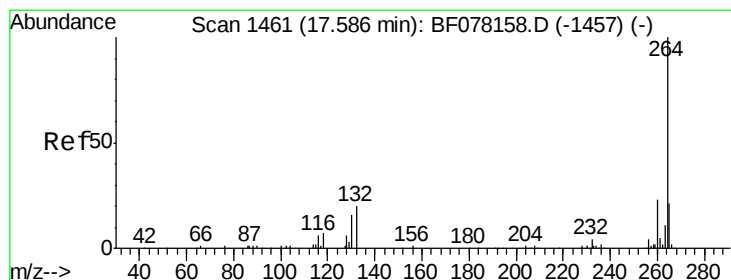
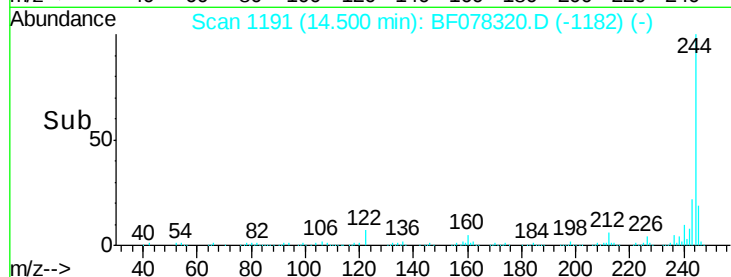
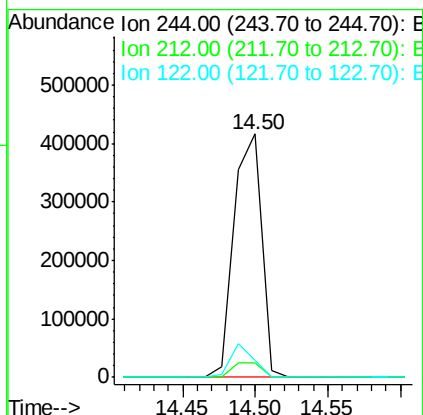
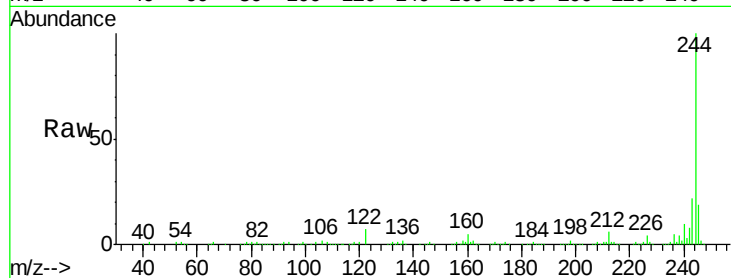




#78  
 Terphenyl-d14  
 Concen: 74.48 ng  
 RT: 14.50 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB82522TB

Tgt Ion:244 Resp: 551057  
 Ion Ratio Lower Upper  
 244 100  
 212 5.9 5.0 7.4  
 122 7.2 7.1 10.7



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.43 min Scan# 1447  
 Delta R.T. 0.00 min  
 Lab File: BF078320.D  
 Acq: 8 Apr 2015 4:09

Tgt Ion:264 Resp: 159080  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 18.6 27.8  
 265 21.9 17.0 25.6

