

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062415\  
 Data File : BF080132.D  
 Acq On : 24 Jun 2015 15:14  
 Operator : TP/IZ  
 Sample : PB84172BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84172BL

Quant Time: Jun 25 01:07:32 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 25 00:52:28 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.32  | 152  | 40521    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.61  | 136  | 149777   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.38 | 164  | 74885    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.89 | 188  | 156703   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.94 | 240  | 155688   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 16.87 | 264  | 158129   | 20.00  | ng    | 0.03     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.92  | 112  | 278324   | 121.59 | ng    | 0.00     |
| 7) Phenol-d6                | 6.92  | 99   | 389920   | 128.00 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.86  | 82   | 202499   | 78.71  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 11.17 | 330  | 90969    | 124.23 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.68  | 172  | 463260   | 88.22  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.63 | 244  | 545943   | 81.90  | ng    | 0.01     |

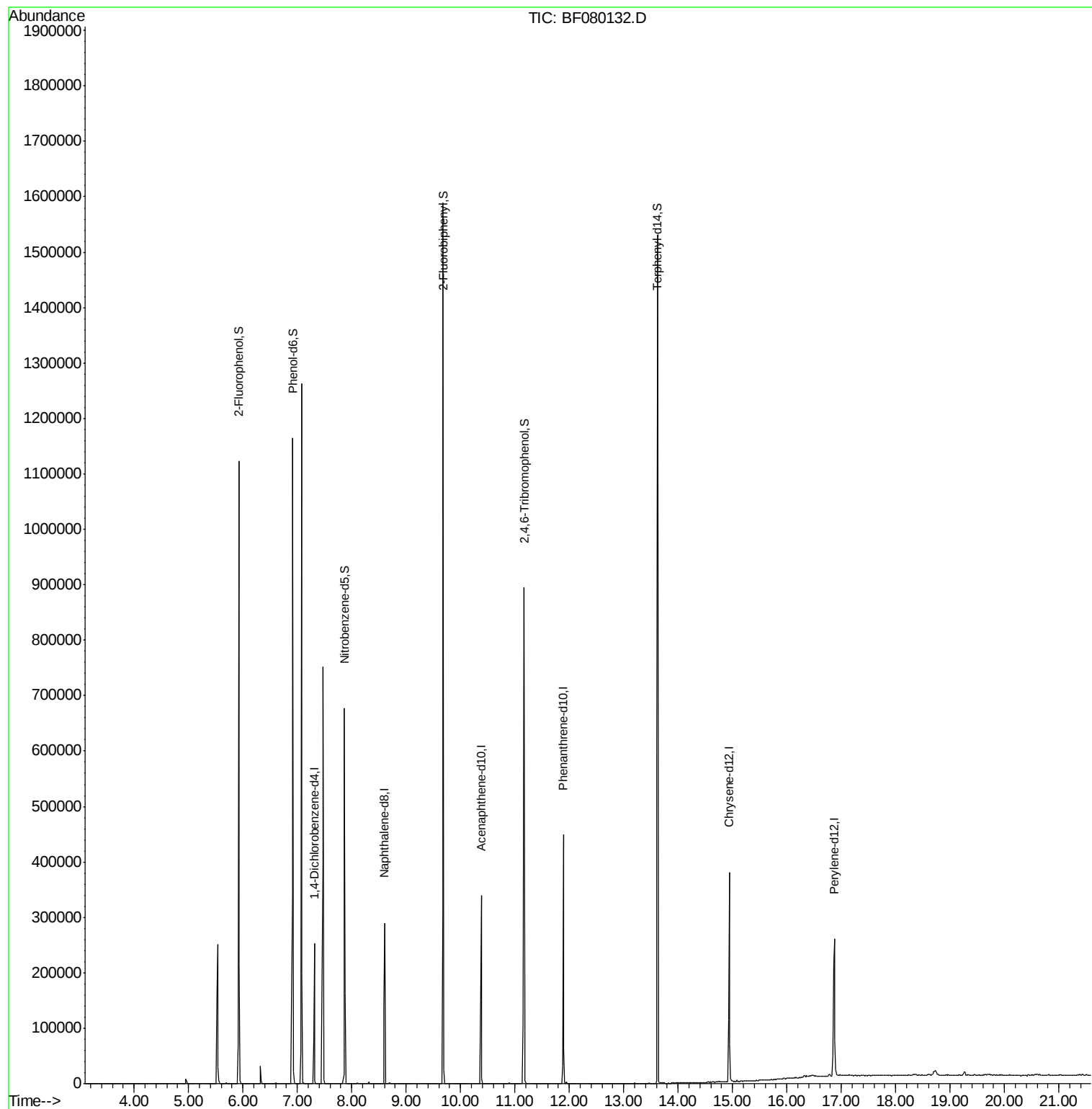
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

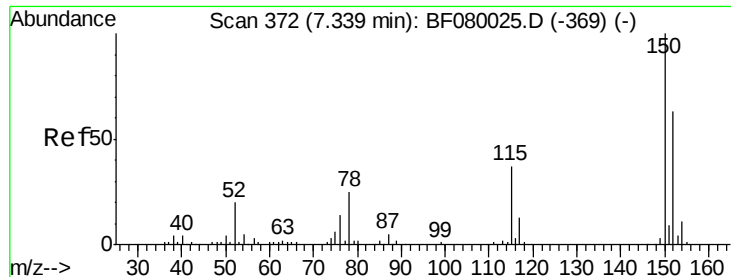
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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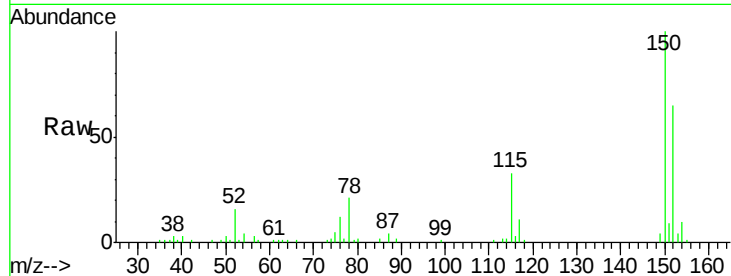




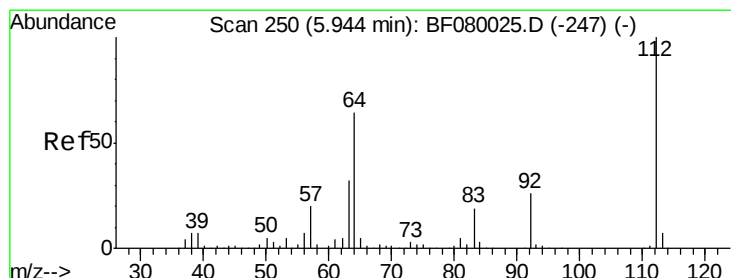
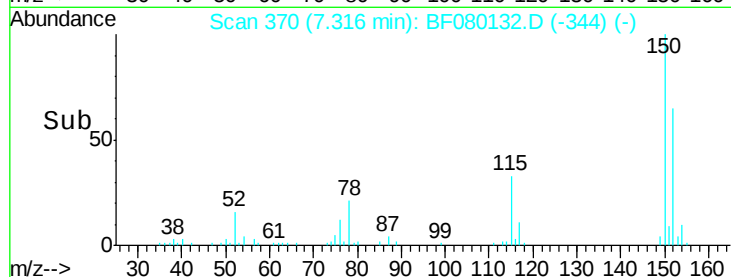
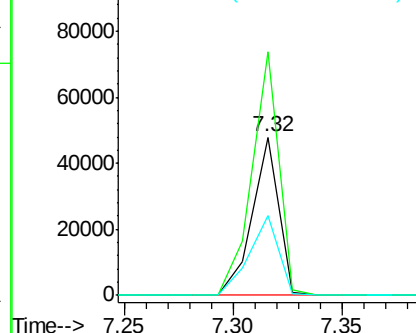
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.32 min Scan# 370  
 Delta R.T. 0.00 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB84172BL

Tgt Ion:152 Resp: 40521  
 Ion Ratio Lower Upper  
 152 100  
 150 153.7 124.7 187.1  
 115 50.6 39.0 58.4

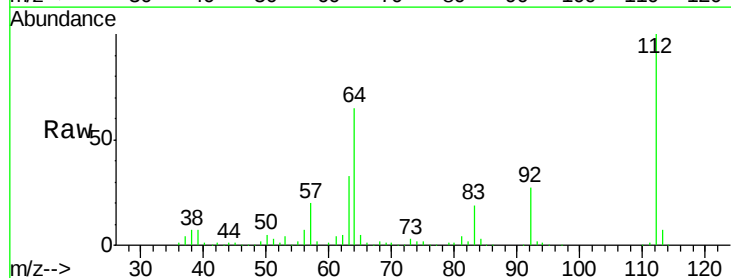


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

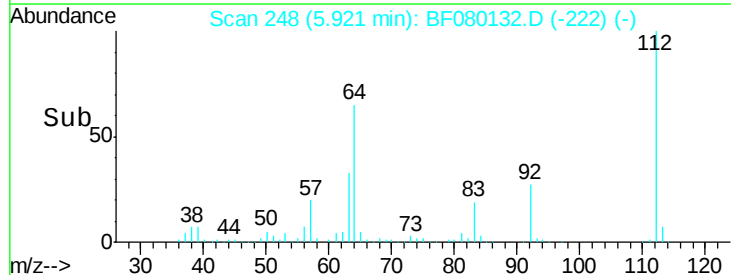
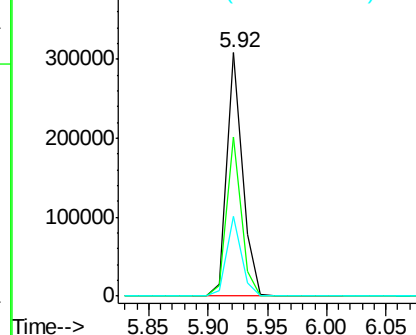


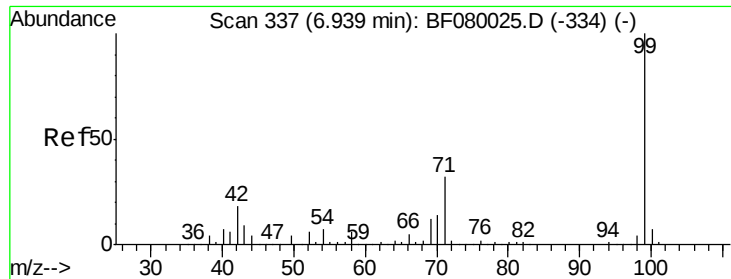
#5  
 2-Fluorophenol  
 Concen: 121.59 ng  
 RT: 5.92 min Scan# 248  
 Delta R.T. -0.00 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

Tgt Ion:112 Resp: 278324  
 Ion Ratio Lower Upper  
 112 100  
 64 65.3 39.7 59.5#  
 63 32.5 17.4 26.0#



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: 128.00 ng

RT: 6.92 min Scan# 335

Delta R.T. -0.00 min

Lab File: BF080132.D

Acq: 24 Jun 2015 15:14

Instrument :

BNA\_F

ClientSampleId :

PB84172BL

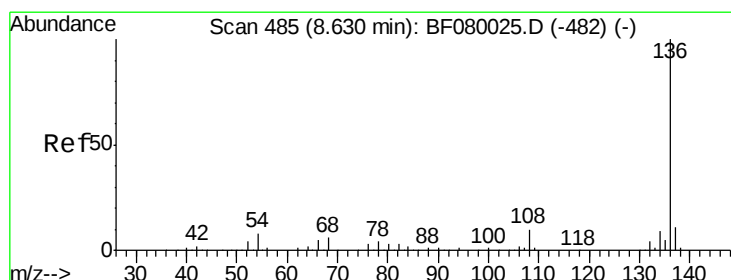
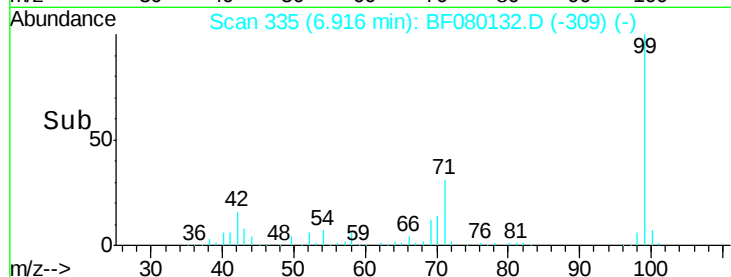
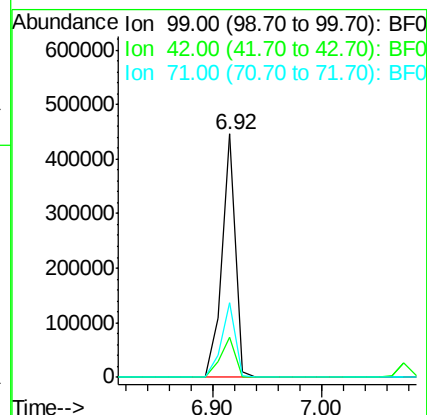
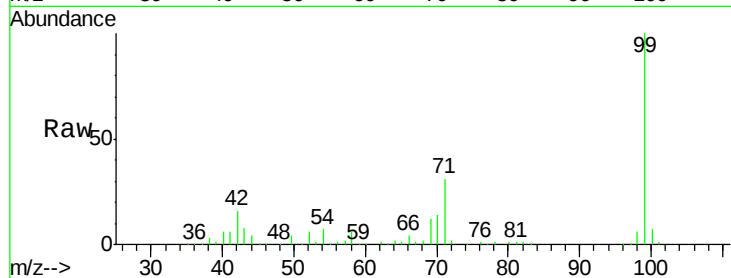
Tgt Ion: 99 Resp: 389920

Ion Ratio Lower Upper

99 100

42 16.3 13.7 20.5

71 30.8 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.61 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF080132.D

Acq: 24 Jun 2015 15:14

Tgt Ion: 136 Resp: 149777

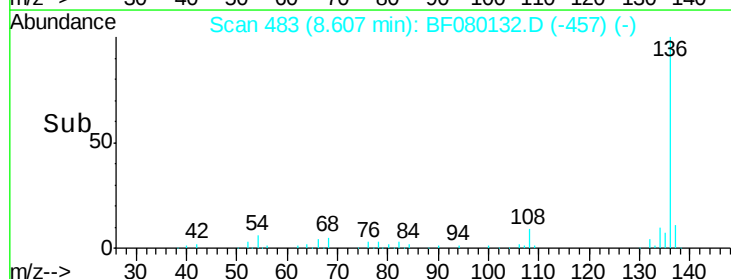
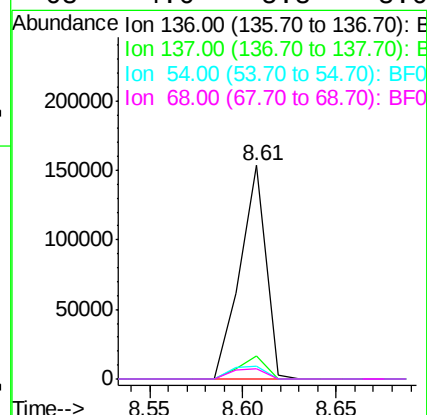
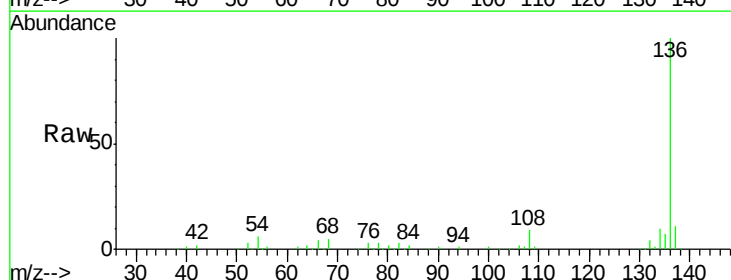
Ion Ratio Lower Upper

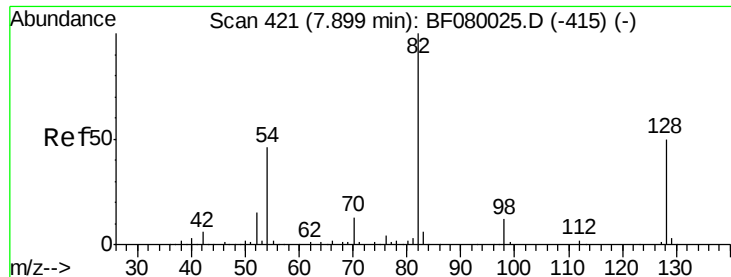
136 100

137 10.6 9.0 13.6

54 6.0 8.2 12.2#

68 4.6 5.8 8.6#

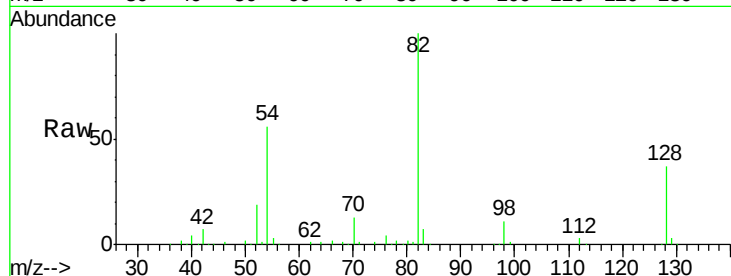




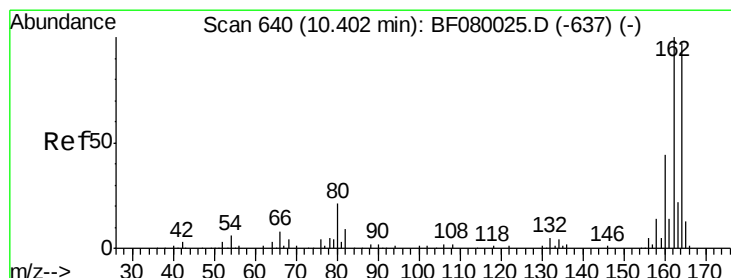
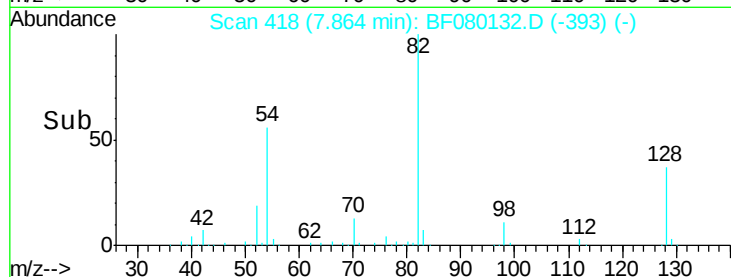
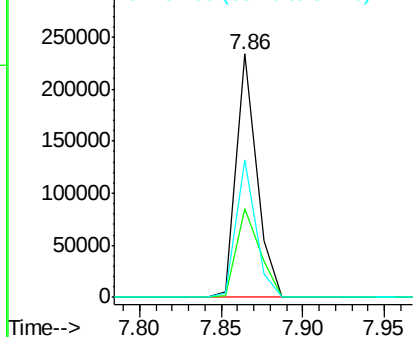
#23  
 Nitrobenzene-d5  
 Concen: 78.71 ng  
 RT: 7.86 min Scan# 418  
 Delta R.T. -0.01 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84172BL

Tgt Ion: 82 Resp: 202499  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 51.0 76.6#  
 54 56.2 47.5 71.3

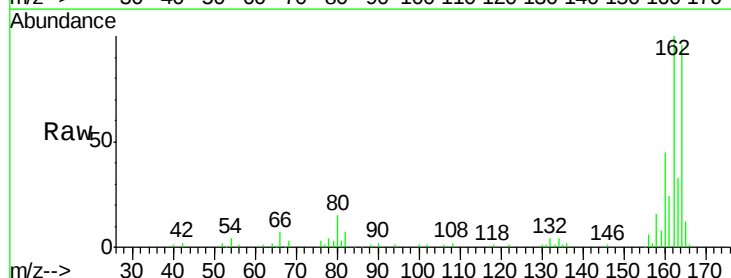


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

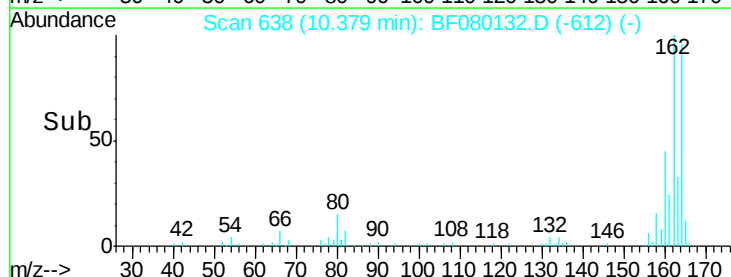
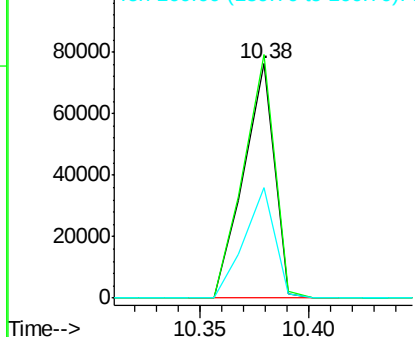


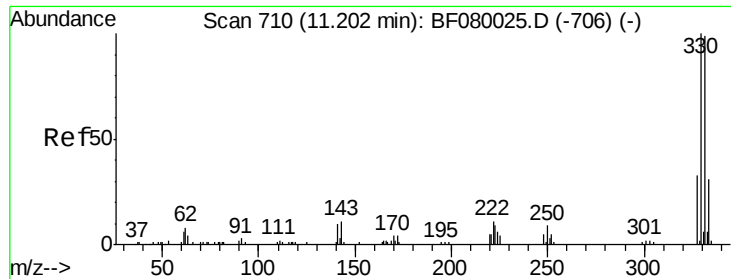
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.38 min Scan# 638  
 Delta R.T. -0.00 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

Tgt Ion: 164 Resp: 74885  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 75.2 112.8  
 160 47.2 31.5 47.3



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

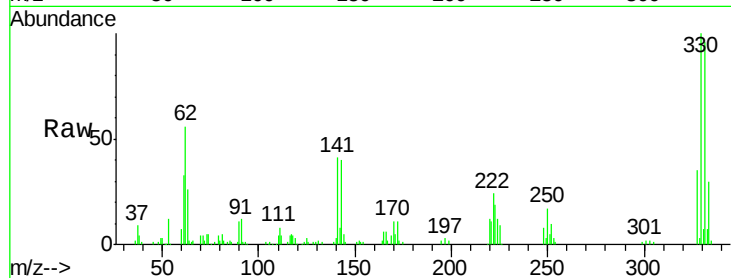




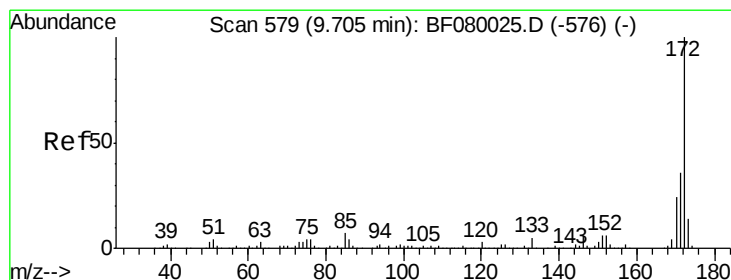
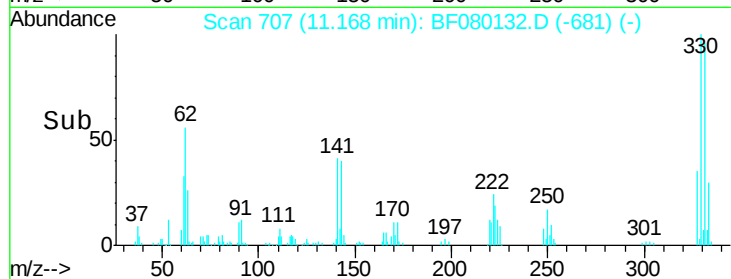
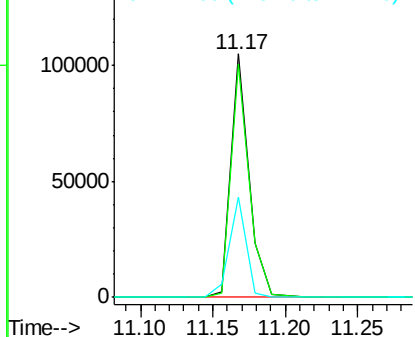
#41  
 2,4,6-Tribromophenol  
 Concen: 124.23 ng  
 RT: 11.17 min Scan# 707  
 Delta R.T. -0.00 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB84172BL

Tgt Ion:330 Resp: 90969  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 114.8  
 141 38.4 29.7 44.5

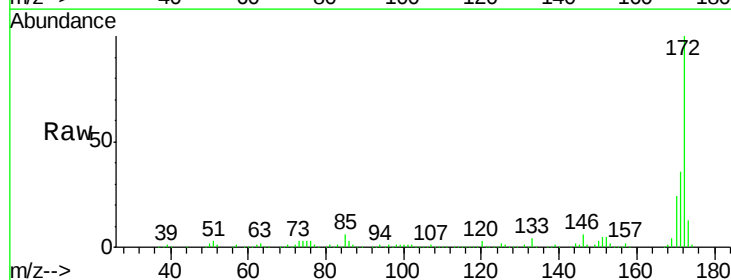


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

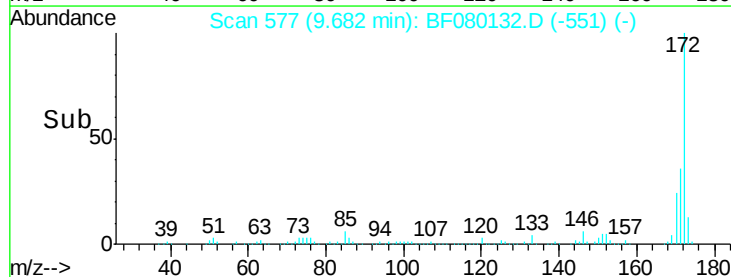
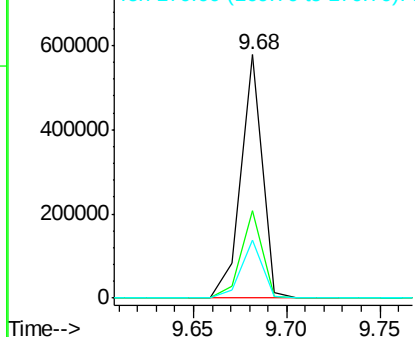


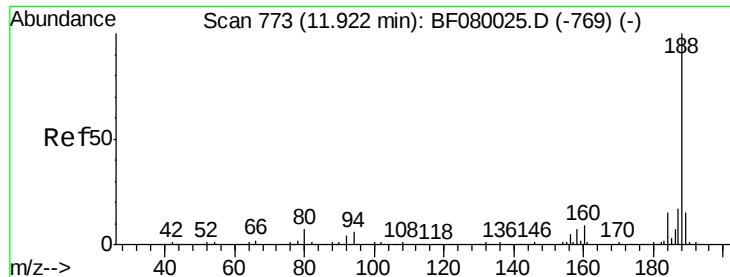
#44  
 2-Fluorobiphenyl  
 Concen: 88.22 ng  
 RT: 9.68 min Scan# 577  
 Delta R.T. 0.00 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

Tgt Ion:172 Resp: 463260  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 26.1 39.1  
 170 23.9 17.4 26.2



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

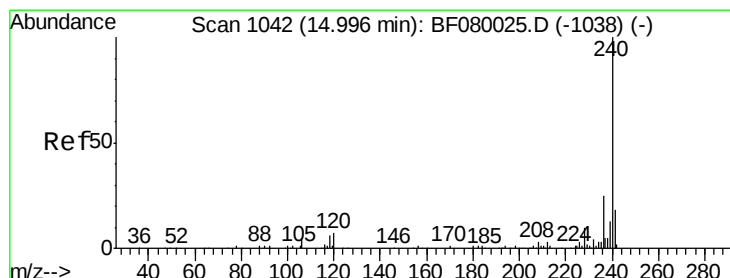
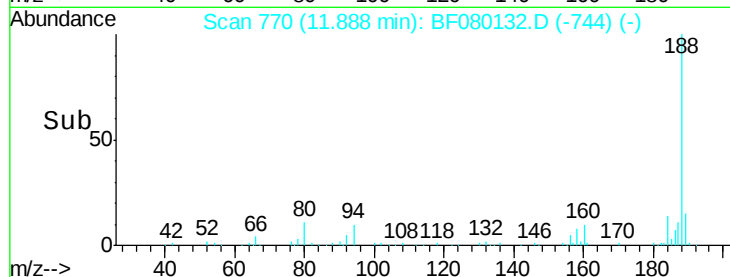
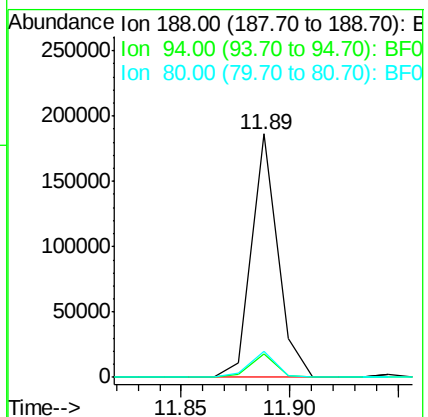
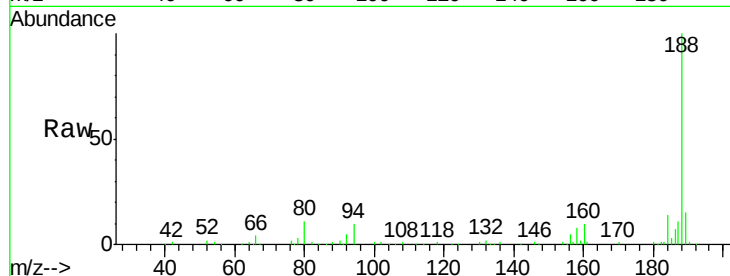




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.89 min Scan# 770  
Delta R.T. 0.00 min  
Lab File: BF080132.D  
Acq: 24 Jun 2015 15:14

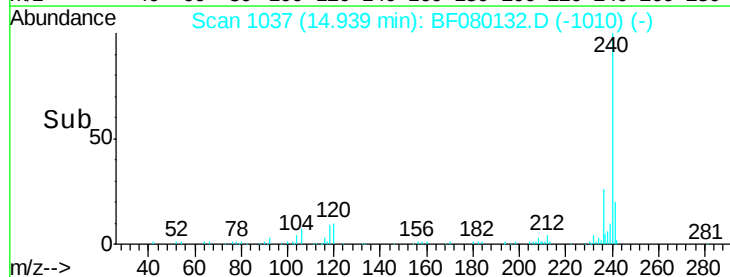
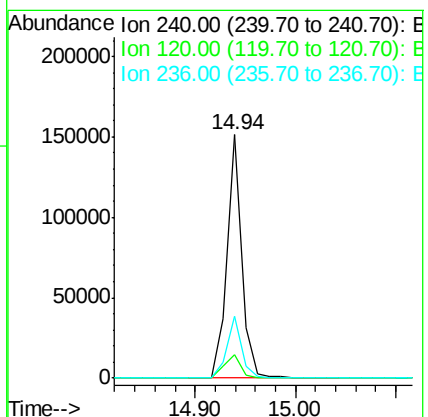
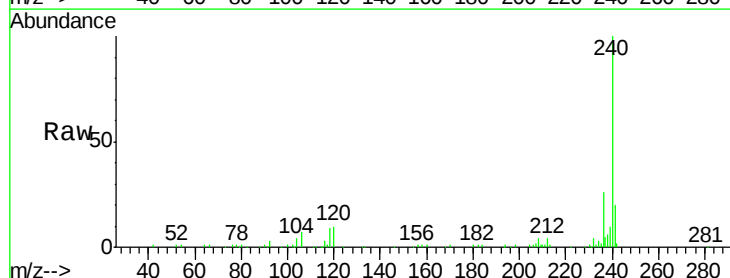
Instrument :  
BNA\_F  
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PB84172BL

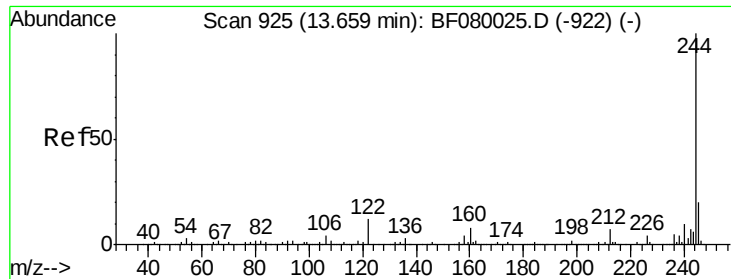
Tgt Ion:188 Resp: 156703  
Ion Ratio Lower Upper  
188 100  
94 9.8 11.1 16.7#  
80 10.8 11.0 16.4#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.94 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BF080132.D  
Acq: 24 Jun 2015 15:14

Tgt Ion:240 Resp: 155688  
Ion Ratio Lower Upper  
240 100  
120 9.9 16.2 24.2#  
236 25.6 18.4 27.6

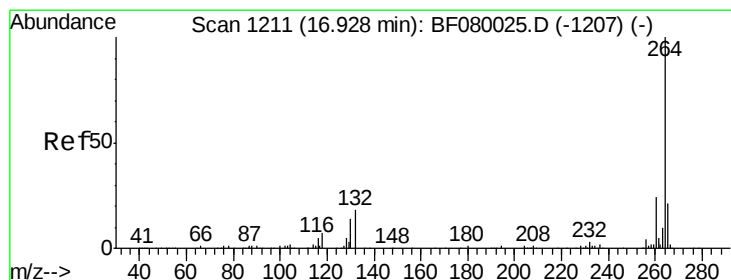
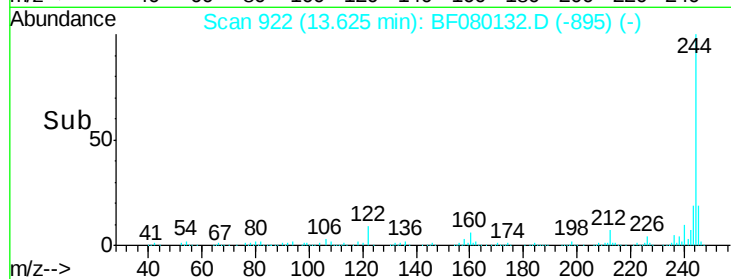
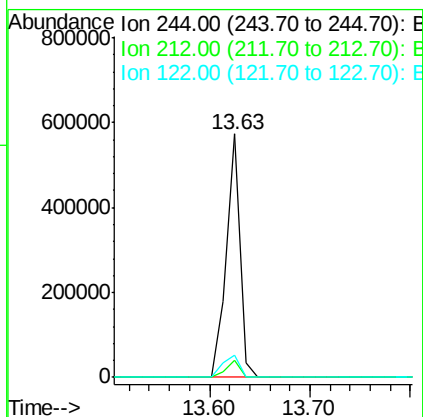
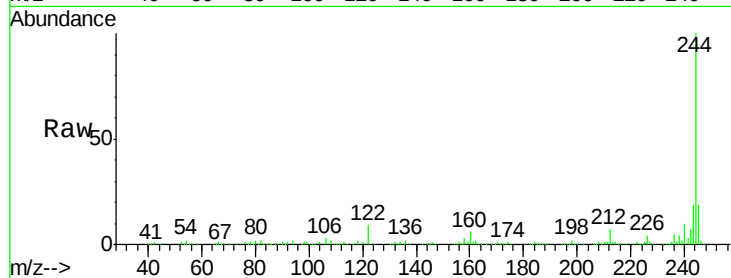




#78  
 Terphenyl-d14  
 Concen: 81.90 ng  
 RT: 13.63 min Scan# 922  
 Delta R.T. 0.01 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

Instrument :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 4.3   | 6.5#  |
| 122     | 9.2   | 17.4  | 26.2# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.87 min Scan# 1206  
 Delta R.T. 0.03 min  
 Lab File: BF080132.D  
 Acq: 24 Jun 2015 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 16.7  | 25.1  |
| 265     | 21.3  | 17.2  | 25.8  |

