

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080415\  
 Data File : BF080866.D  
 Acq On : 5 Aug 2015 6:35  
 Operator : TP/UM  
 Sample : G3170-03  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2

Quant Time: Aug 05 07:15:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 05 01:46:16 2015  
 Response via : Initial Calibration

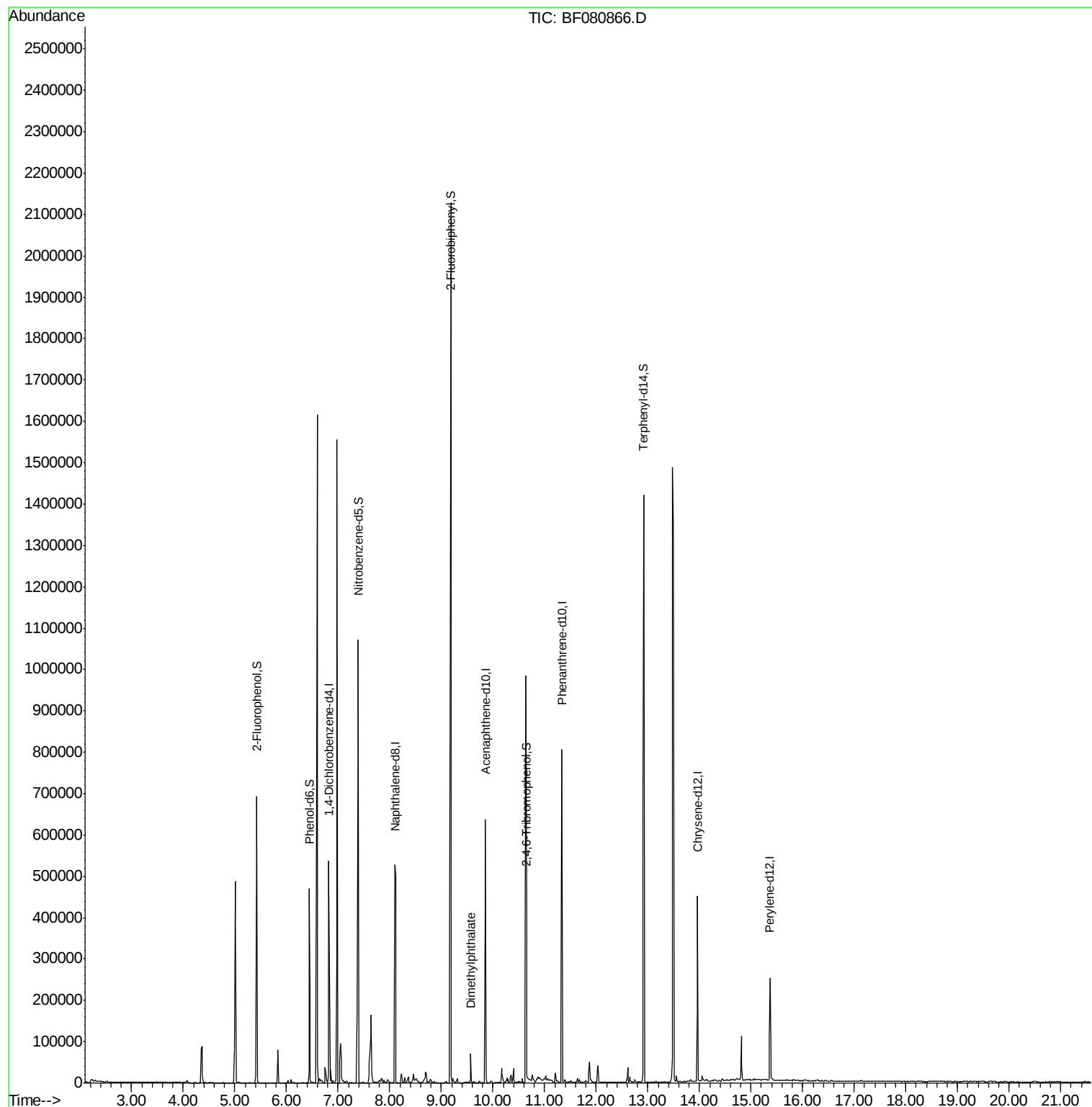
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 90713    | 20.00 | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.11  | 136  | 343640   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.86  | 164  | 154535   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.33 | 188  | 267685   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 13.96 | 240  | 159098   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.37 | 264  | 105508   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.42  | 112  | 230161   | 38.40 | ng    | 0.00           |
| 7) Phenol-d6                | 6.44  | 99   | 169662   | 21.65 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 466512   | 63.98 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 131074   | 87.95 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 737303   | 64.24 | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.92 | 244  | 500367   | 56.92 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.57  | 163  | 24911    | 2.21  | ng    | Qvalue<br># 98 |

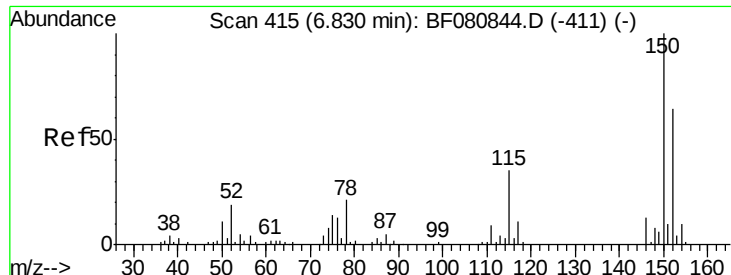
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080415\  
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BNA\_F  
ClientSampleId :  
MW-2

Quant Time: Aug 05 07:15:50 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 05 01:46:16 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

Instrument :

BNA\_F

ClientSampleId :

MW-2

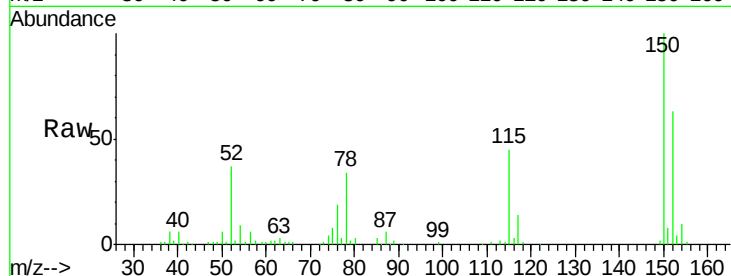
Tgt Ion:152 Resp: 90713

Ion Ratio Lower Upper

152 100

150 159.9 124.6 187.0

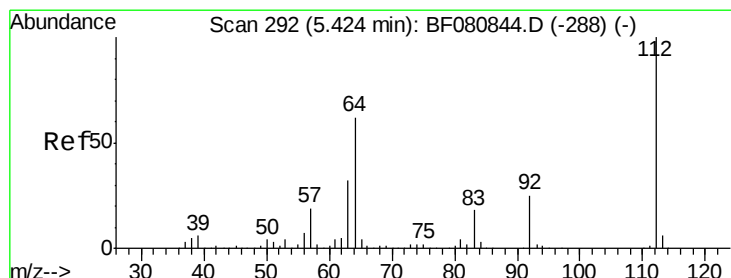
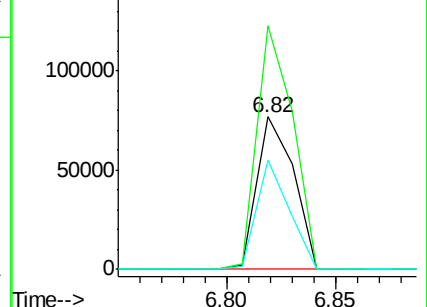
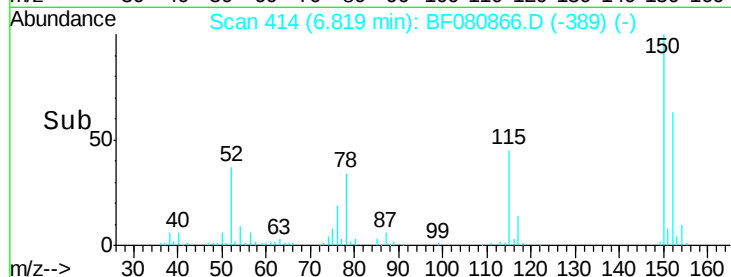
115 71.6 44.2 66.4#



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: 38.40 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.00 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

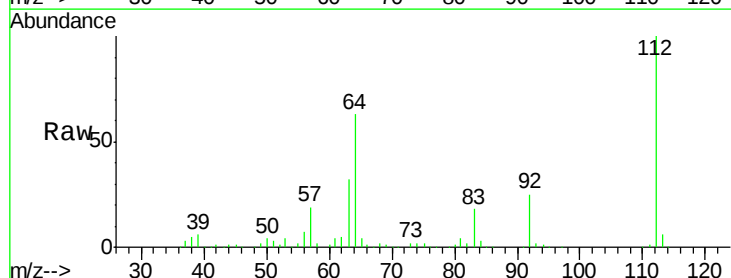
Tgt Ion:112 Resp: 230161

Ion Ratio Lower Upper

112 100

64 62.7 49.5 74.3

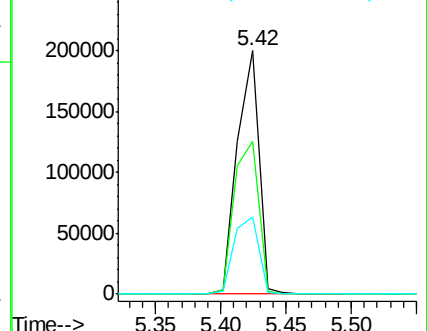
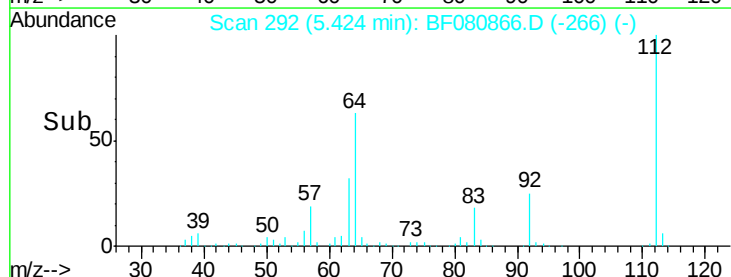
63 31.7 25.3 37.9

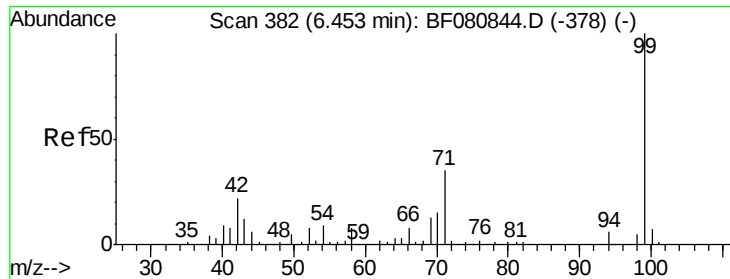


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.65 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

Instrument :

BNA\_F

ClientSampleId :

MW-2

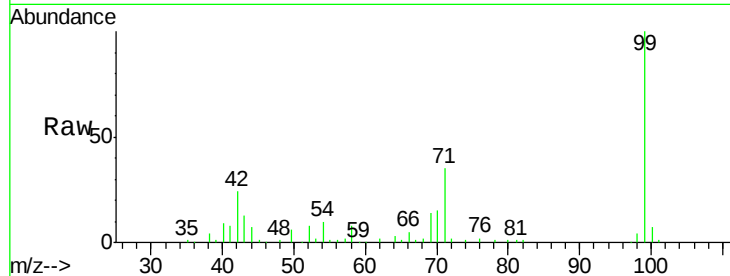
Tgt Ion: 99 Resp: 169662

Ion Ratio Lower Upper

99 100

42 24.4 17.9 26.9

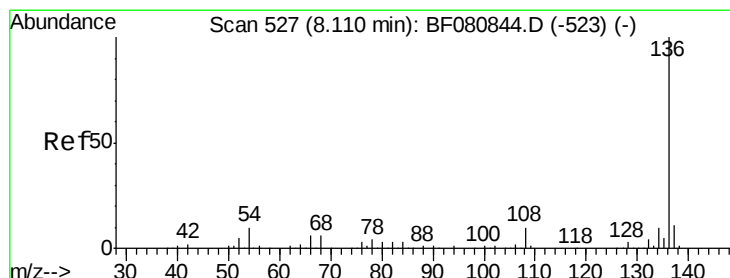
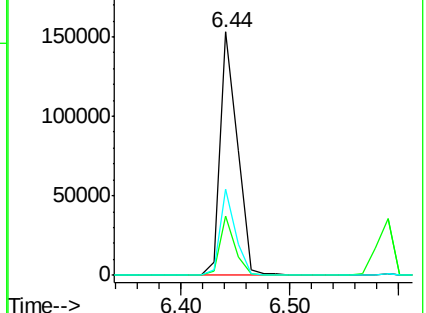
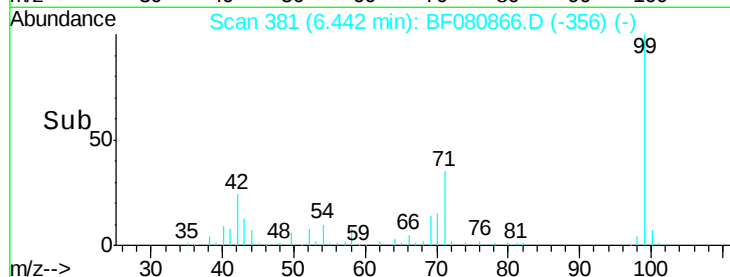
71 35.4 28.2 42.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

Tgt Ion: 136 Resp: 343640

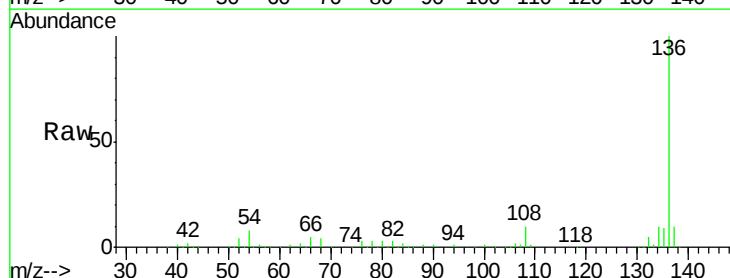
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 7.5 8.3 12.5#

68 4.3 4.8 7.2#

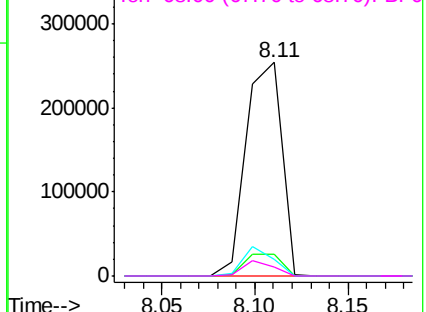
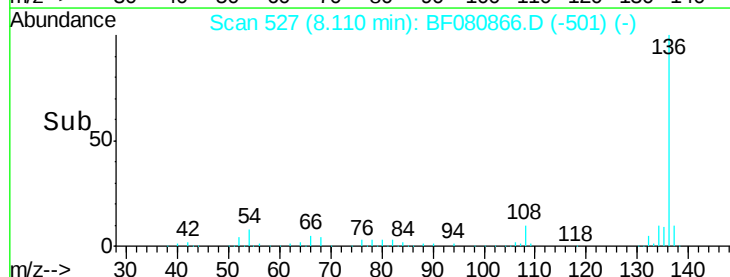


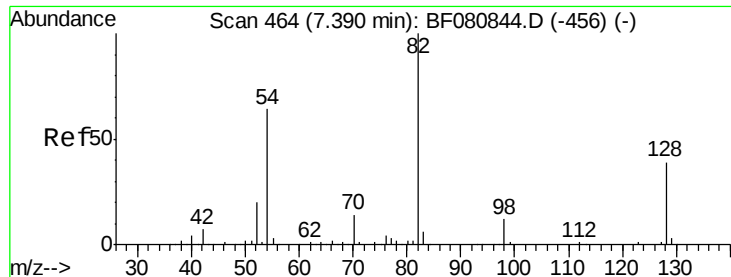
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

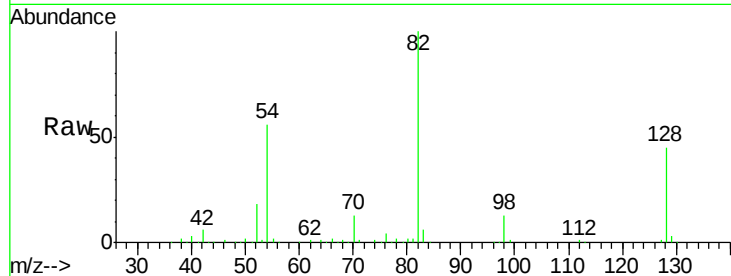




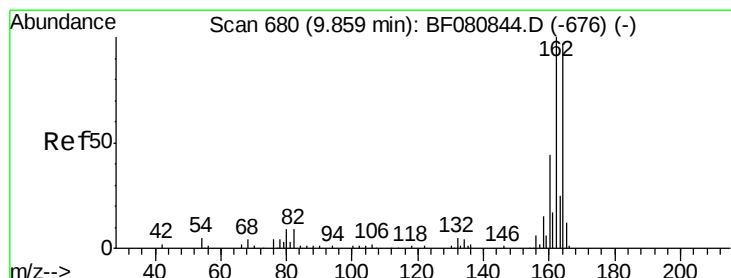
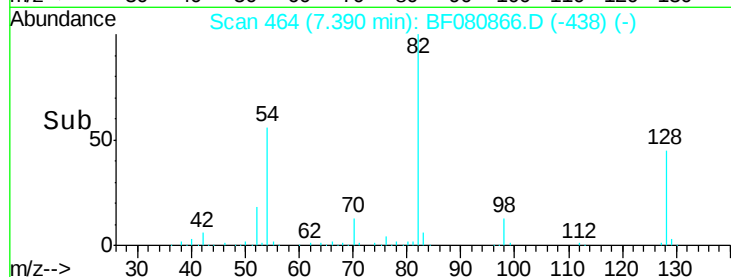
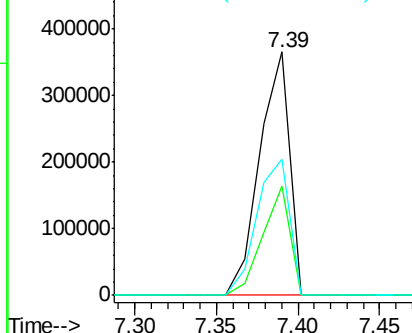
#23  
 Nitrobenzene-d5  
 Concen: 63.98 ng  
 RT: 7.39 min Scan# 464  
 Delta R.T. -0.00 min  
 Lab File: BF080866.D  
 Acq: 5 Aug 2015 6:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-2

Tgt Ion: 82 Resp: 466512  
 Ion Ratio Lower Upper  
 82 100  
 128 44.6 31.0 46.4  
 54 55.9 51.0 76.6

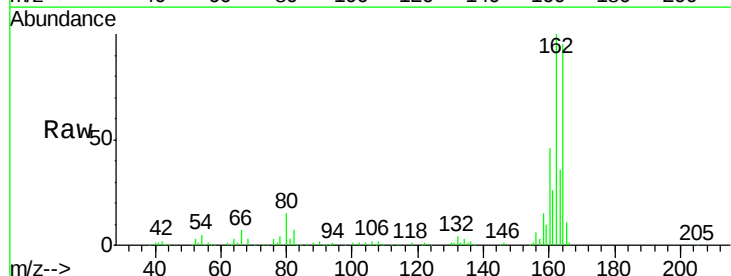


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

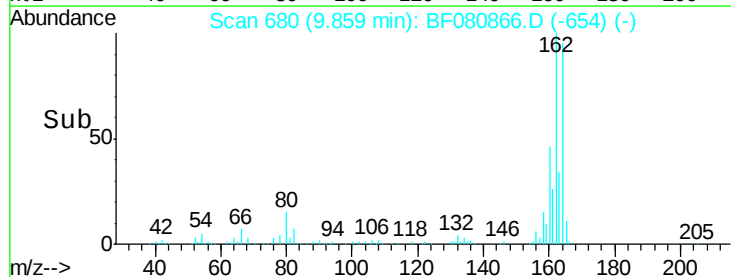
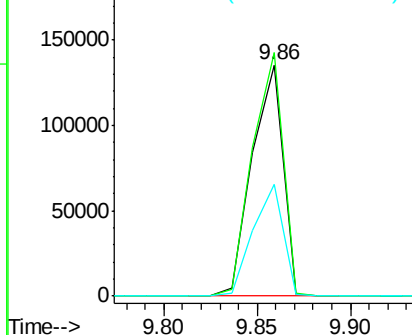


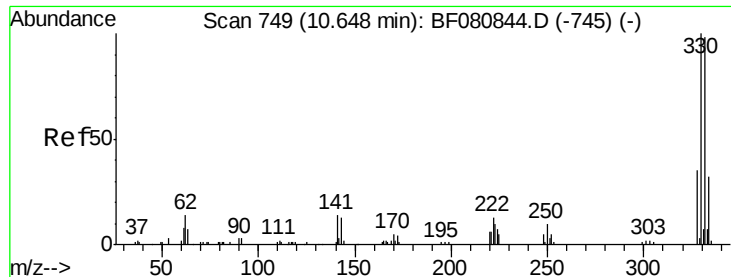
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.86 min Scan# 680  
 Delta R.T. -0.00 min  
 Lab File: BF080866.D  
 Acq: 5 Aug 2015 6:35

Tgt Ion: 164 Resp: 154535  
 Ion Ratio Lower Upper  
 164 100  
 162 105.2 82.9 124.3  
 160 48.2 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): B  
 Ion 162.00 (161.70 to 162.70): B  
 Ion 160.00 (159.70 to 160.70): B

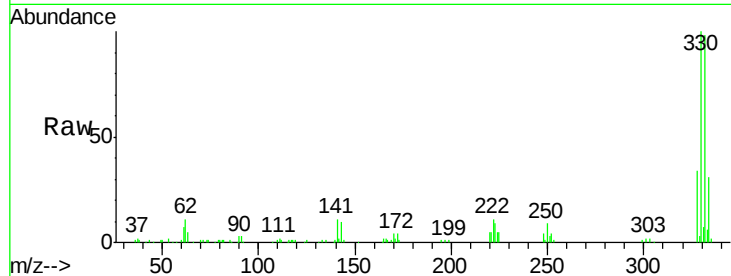




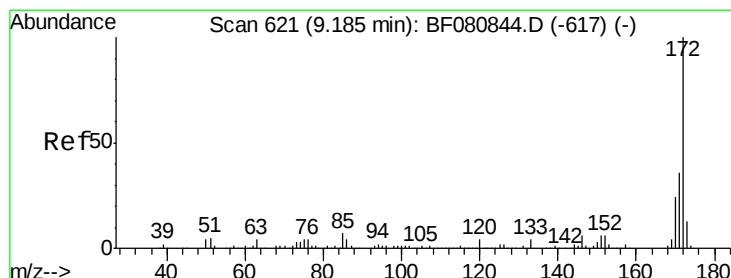
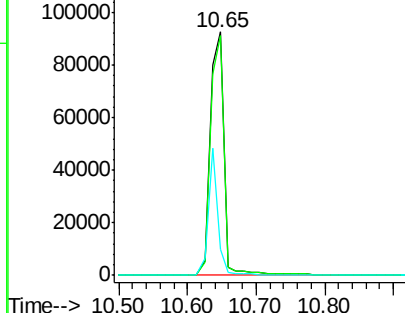
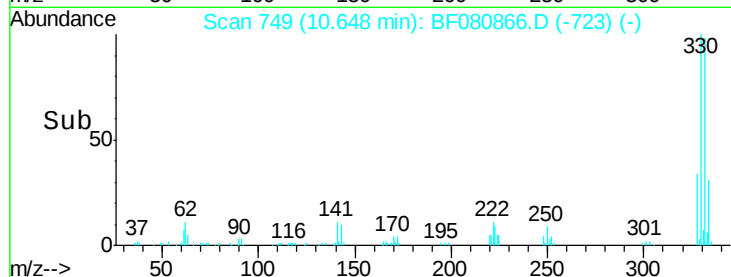
#41  
 2,4,6-Tribromophenol  
 Concen: 87.95 ng  
 RT: 10.65 min Scan# 749  
 Delta R.T. -0.00 min  
 Lab File: BF080866.D  
 Acq: 5 Aug 2015 6:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2

Tgt Ion:330 Resp: 131074  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.8 116.8  
 141 36.5 28.4 42.6

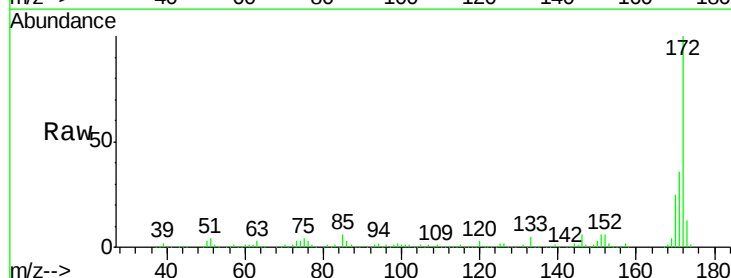


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

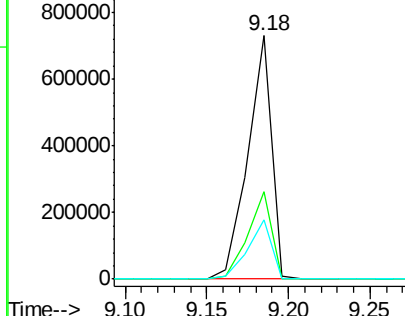
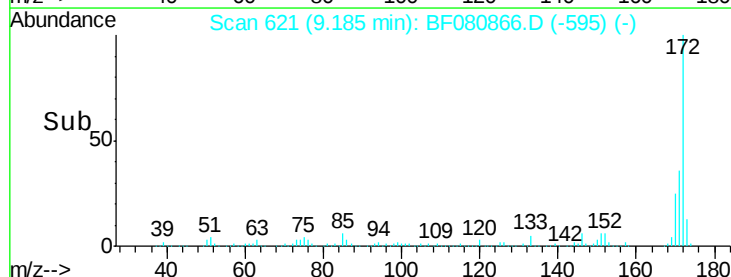


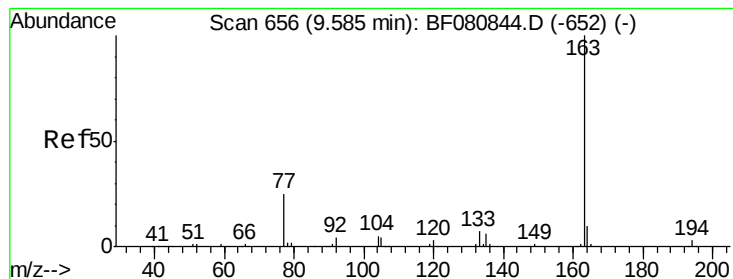
#44  
 2-Fluorobiphenyl  
 Concen: 64.24 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. -0.00 min  
 Lab File: BF080866.D  
 Acq: 5 Aug 2015 6:35

Tgt Ion:172 Resp: 737303  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.9 43.3  
 170 24.6 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





#49

Dimethylphthalate

Concen: 2.21 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

Instrument :

BNA\_F

ClientSampleId :

MW-2

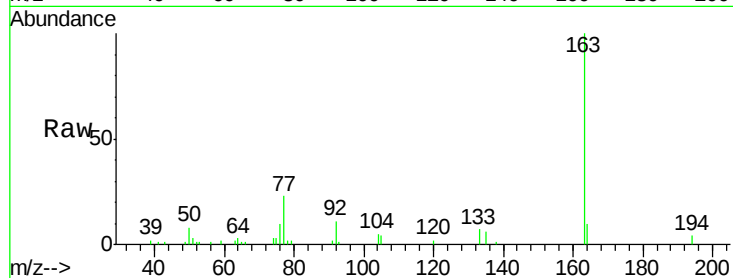
Tgt Ion:163 Resp: 24911

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

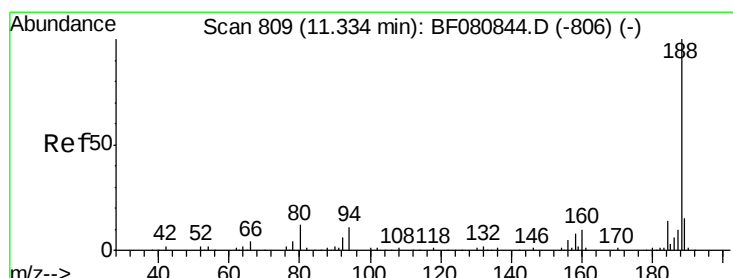
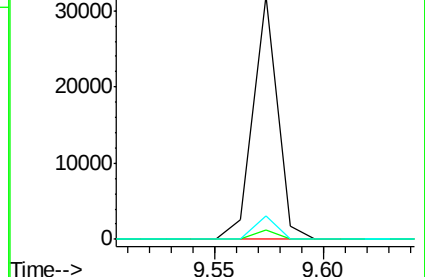
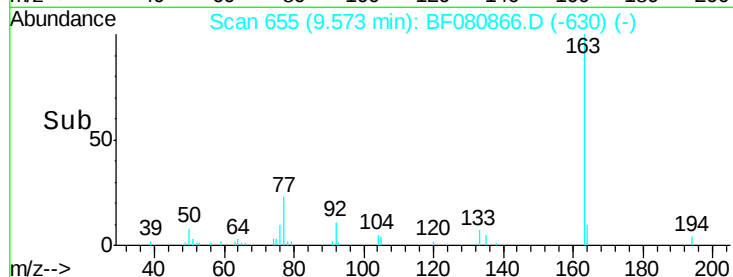
164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

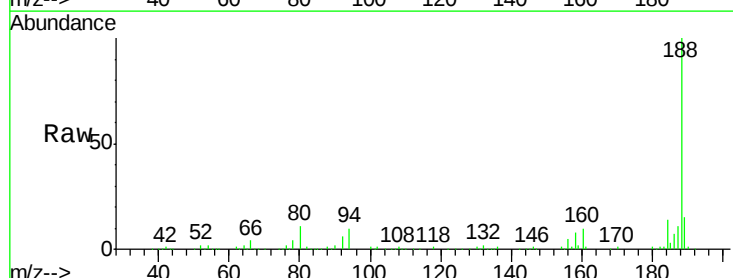
Tgt Ion:188 Resp: 267685

Ion Ratio Lower Upper

188 100

94 10.3 8.6 12.8

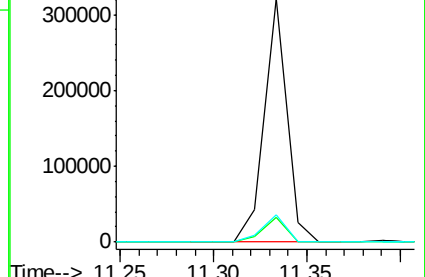
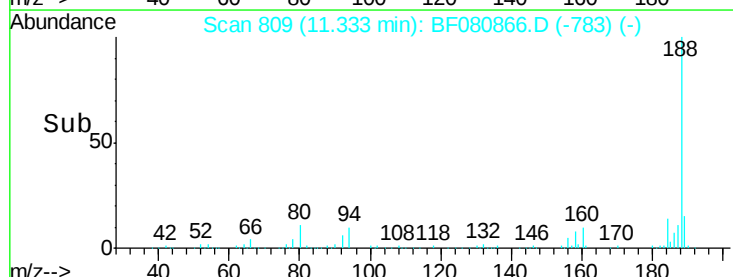
80 11.0 9.3 13.9

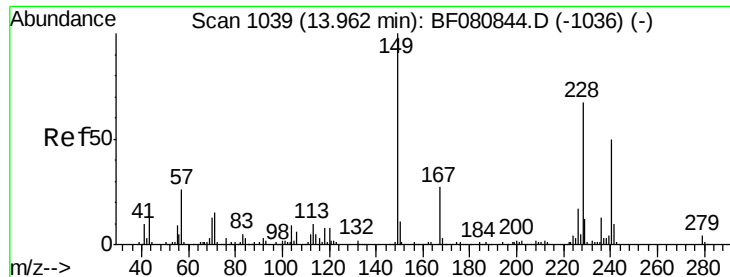


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

Instrument :

BNA\_F

ClientSampleId :

MW-2

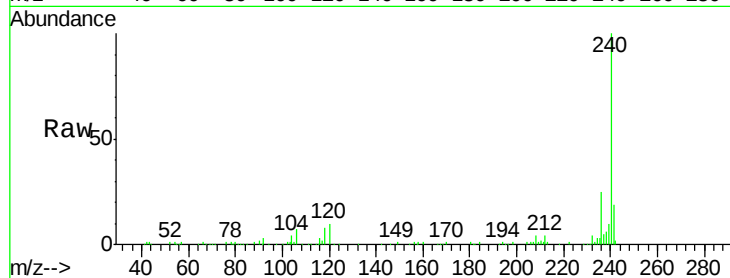
Tgt Ion:240 Resp: 159098

Ion Ratio Lower Upper

240 100

120 9.9 13.0 19.6#

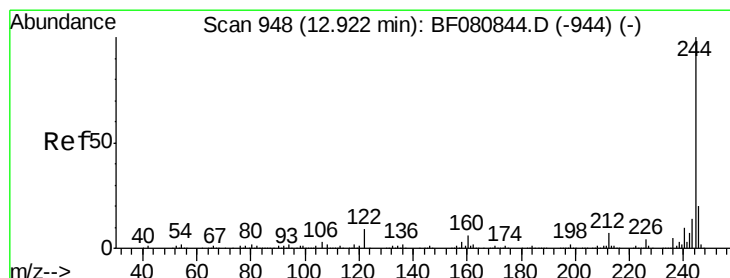
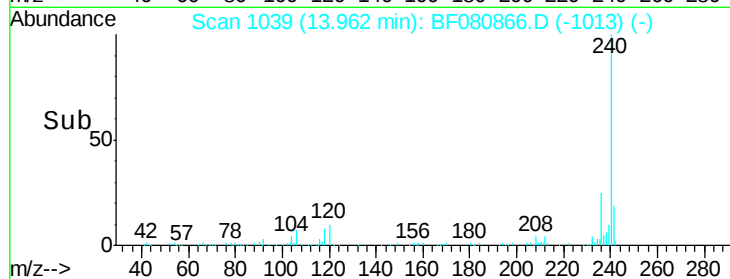
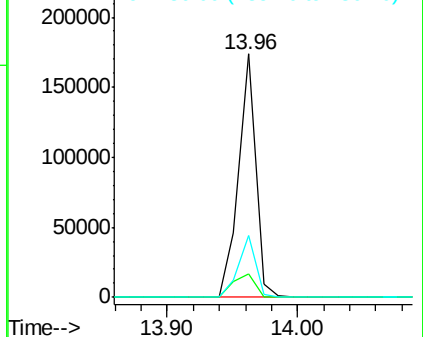
236 25.4 20.7 31.1



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: 56.92 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF080866.D

Acq: 5 Aug 2015 6:35

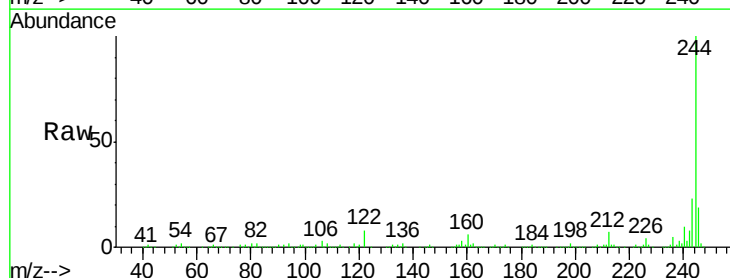
Tgt Ion:244 Resp: 500367

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

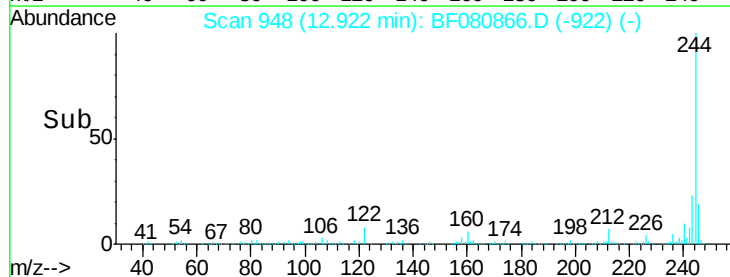
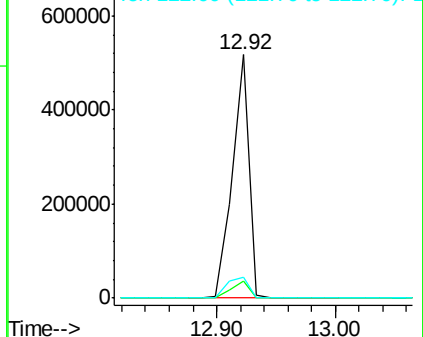
122 8.5 7.1 10.7

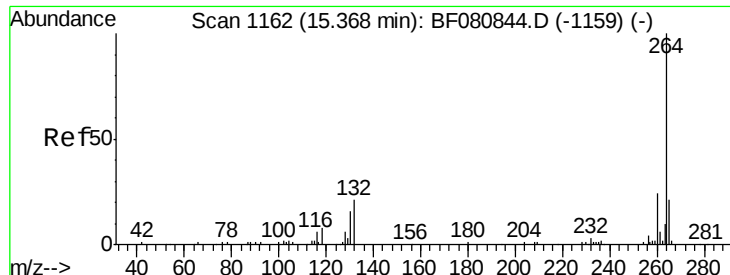


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.37 min Scan# 1162  
Delta R.T. -0.00 min  
Lab File: BF080866.D  
Acq: 5 Aug 2015 6:35

Instrument :  
BNA\_F  
ClientSampleId :  
MW-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 18.9  | 28.3  |
| 265     | 20.9  | 16.8  | 25.2  |

