

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110715\  
 Data File : BF082772.D  
 Acq On : 6 Nov 2015 20:27  
 Operator : UM/IZ  
 Sample : PB86450BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86450BL

Quant Time: Nov 07 03:32:15 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 238959   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 979221   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.88  | 164  | 491712   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.37 | 188  | 980827   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.01 | 240  | 912053   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.43 | 264  | 751692   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 1072455  | 69.83 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 1470980  | 72.05 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 1485138  | 65.99 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 365609   | 64.85 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 2323119  | 67.71 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 2399768  | 62.41 | ng    | -0.01    |

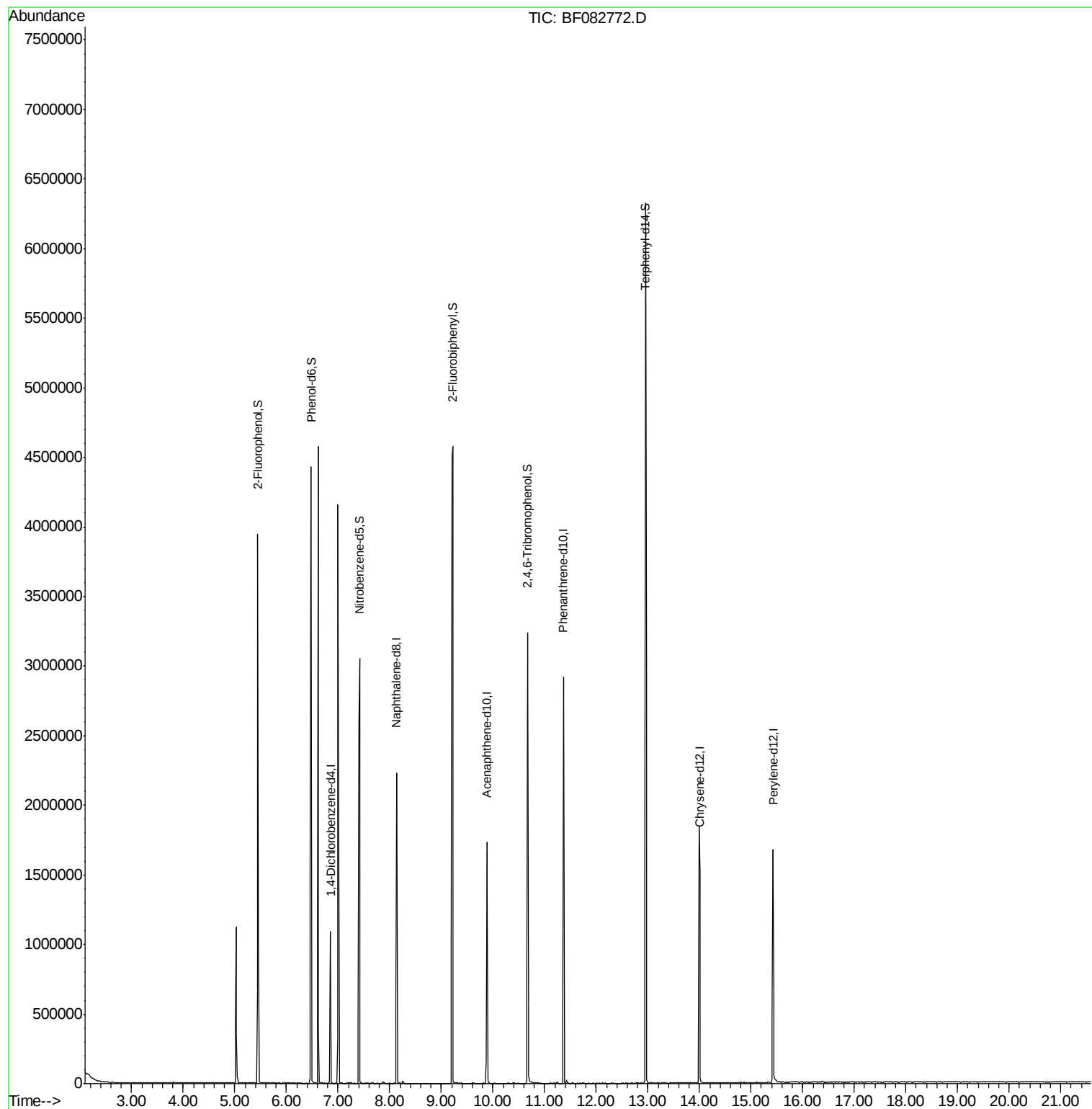
Target Compounds Qvalue

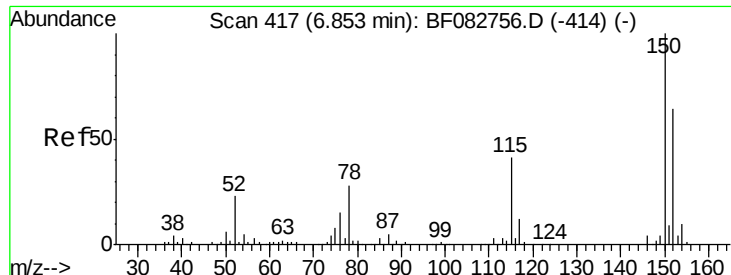
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF082772.D

Acq: 6 Nov 2015 20:27

Instrument :

BNA\_F

ClientSampleId :

PB86450BL

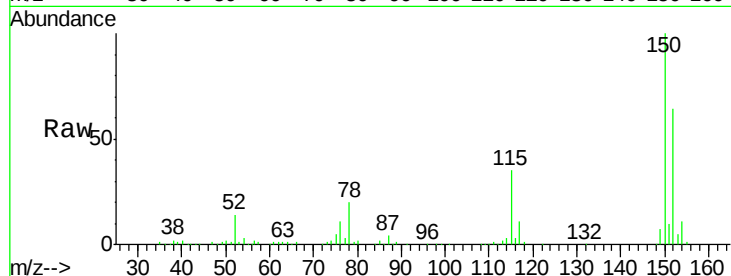
Tot Ion:152 Resp: 238959

Ion Ratio Lower Upper

152 100

150 155.2 127.0 190.4

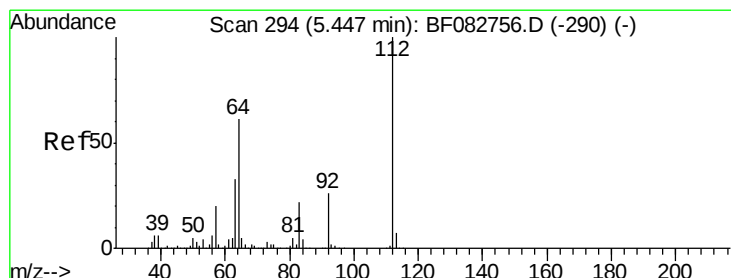
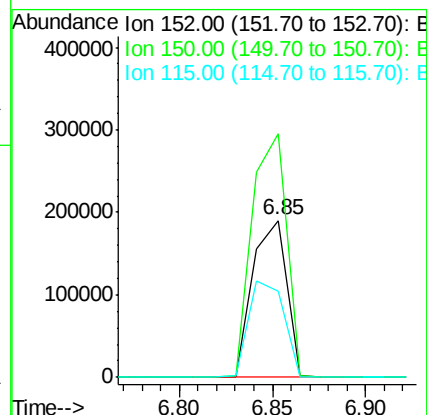
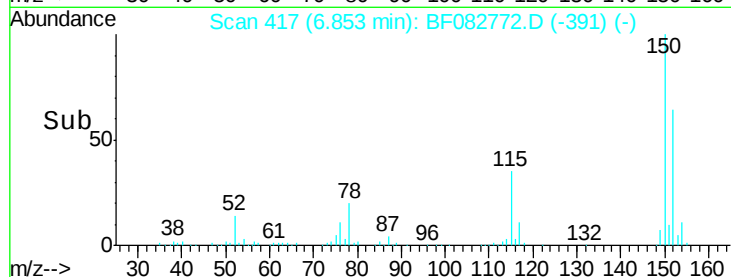
115 54.6 47.0 70.6



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: 69.83 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.00 min

Lab File: BF082772.D

Acq: 6 Nov 2015 20:27

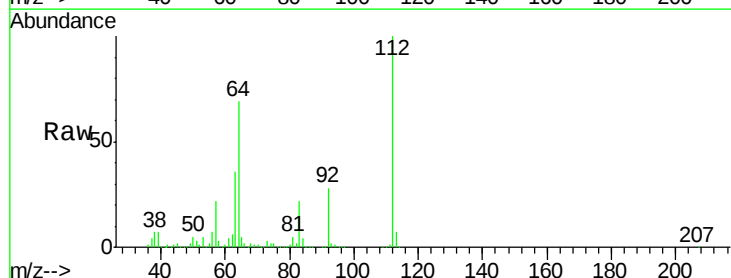
Tgt Ion:112 Resp: 1072455

Ion Ratio Lower Upper

112 100

64 69.5 48.9 73.3

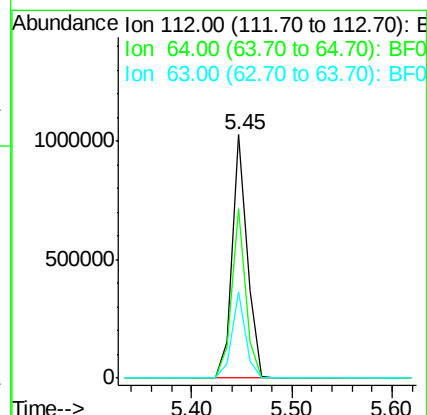
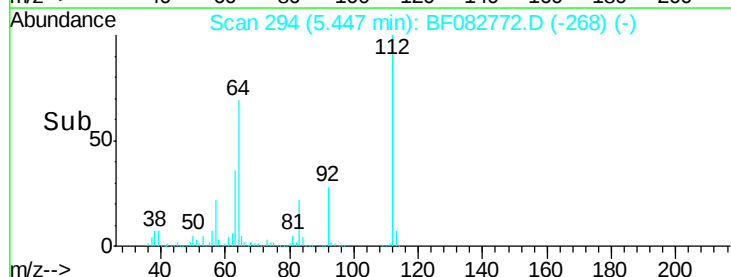
63 35.6 28.1 42.1



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: 72.05 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF082772.D

Acq: 6 Nov 2015 20:27

Instrument :

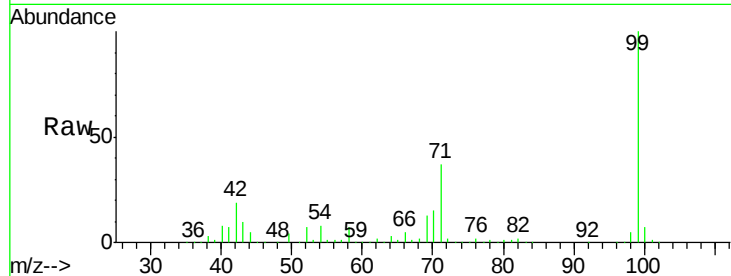
BNA\_F

ClientSampleId :

PB86450BL

Tot Ion: 99 Resp: 1470980

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 19.2  | 28.8  |
| 71  | 36.8  | 35.0  | 52.4  |

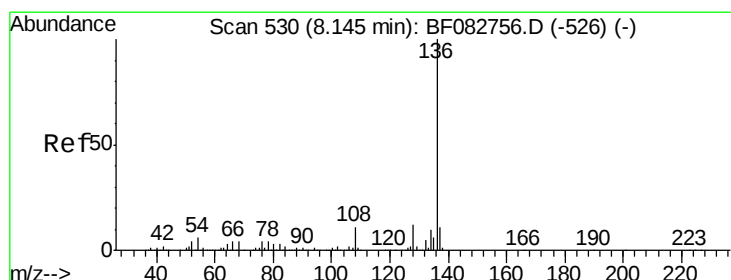
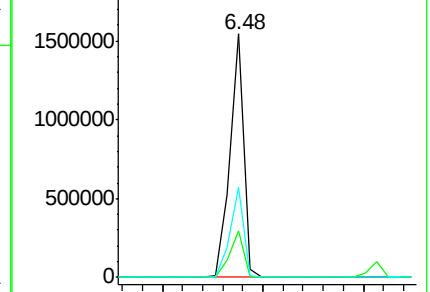
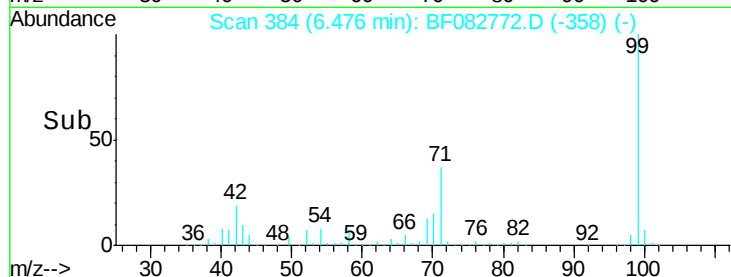


Abundance

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: 8.13 min Scan# 529

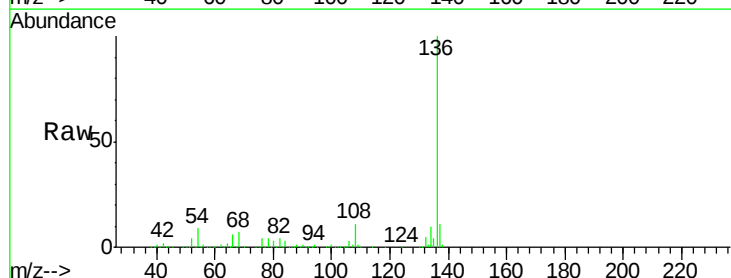
Delta R.T. -0.01 min

Lab File: BF082772.D

Acq: 6 Nov 2015 20:27

Tgt Ion: 136 Resp: 979221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.1   | 13.7  |
| 54  | 8.6   | 9.1   | 13.7# |
| 68  | 6.7   | 4.8   | 7.2   |



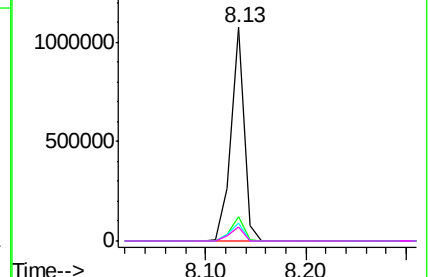
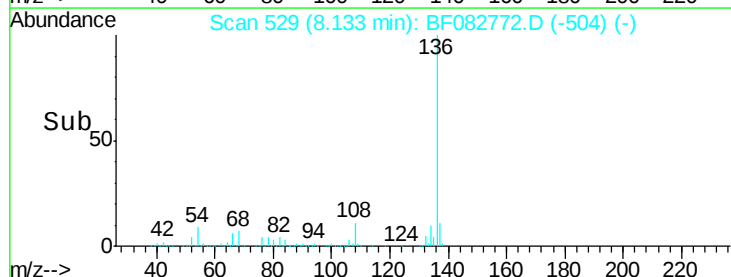
Abundance

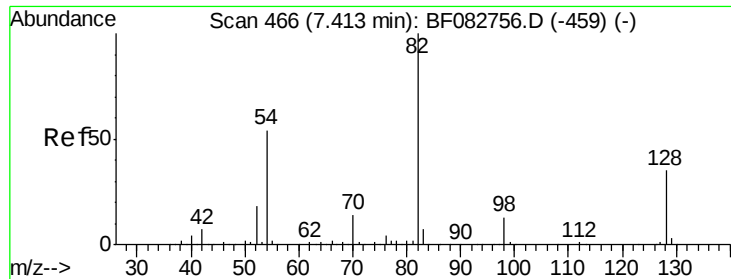
Ion 136.00 (135.70 to 136.70): E

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

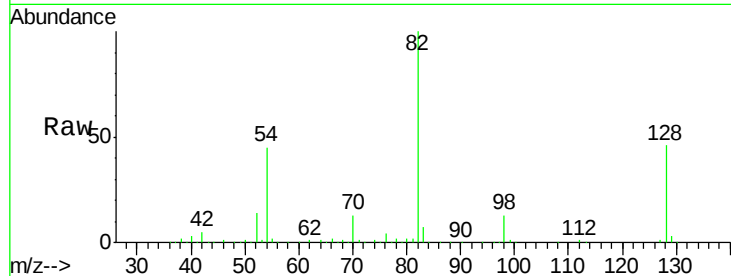




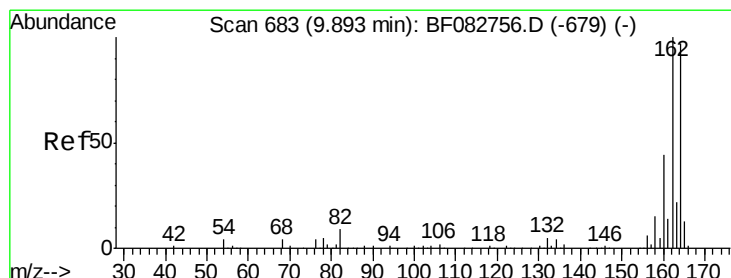
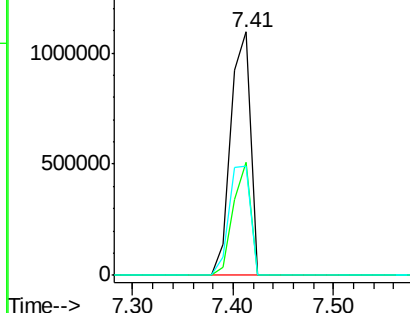
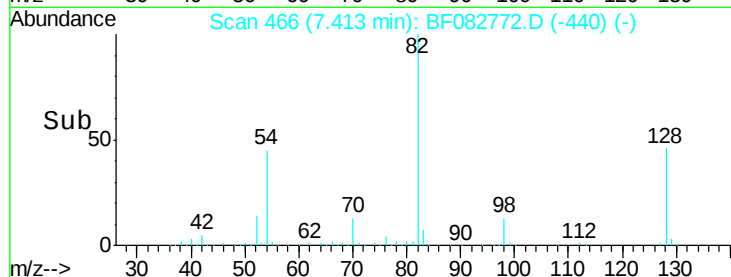
#23  
 Nitrobenzene-d5  
 Concen: 65.99 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. 0.00 min  
 Lab File: BF082772.D  
 Acq: 6 Nov 2015 20:27

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB86450BL

Tot Ion: 82 Resp: 1485138  
 Ion Ratio Lower Upper  
 82 100  
 128 46.4 26.8 40.2#  
 54 45.0 45.7 68.5#

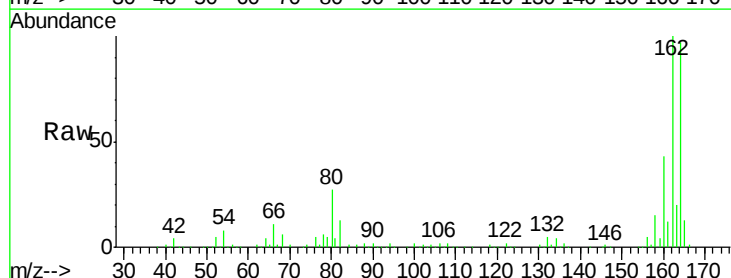


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

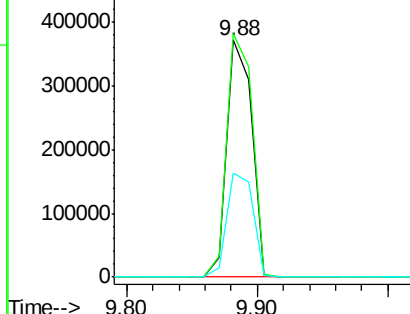
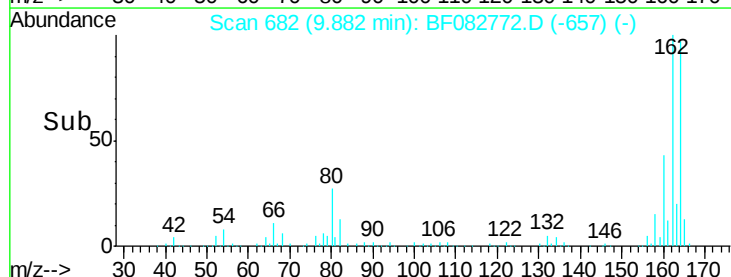


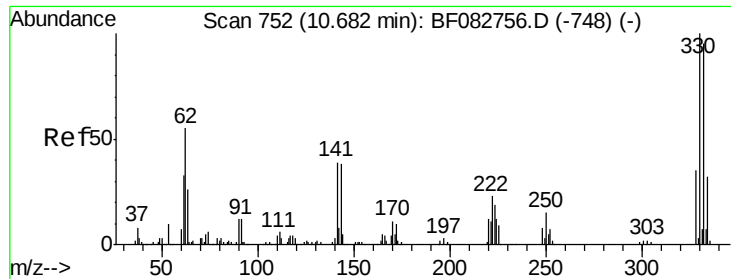
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF082772.D  
 Acq: 6 Nov 2015 20:27

Tgt Ion: 164 Resp: 491712  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 84.9 127.3  
 160 43.8 37.5 56.3



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

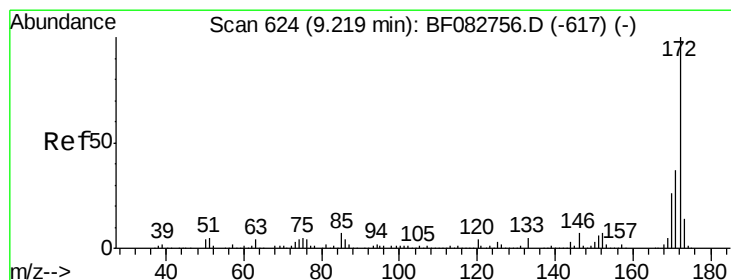
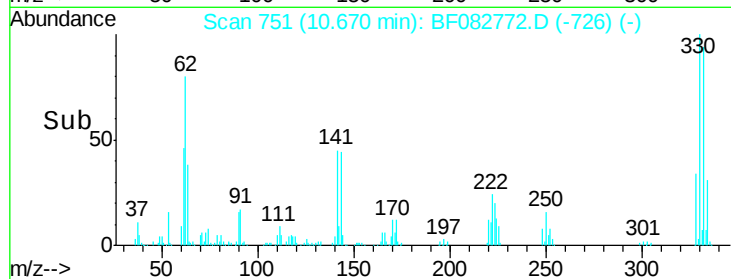
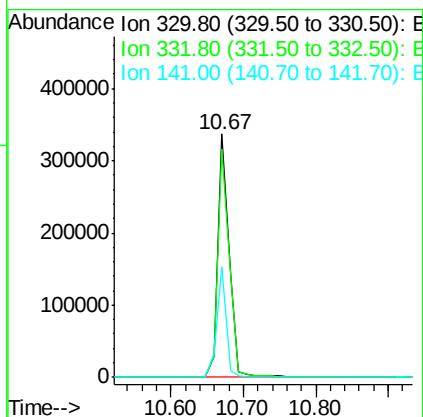
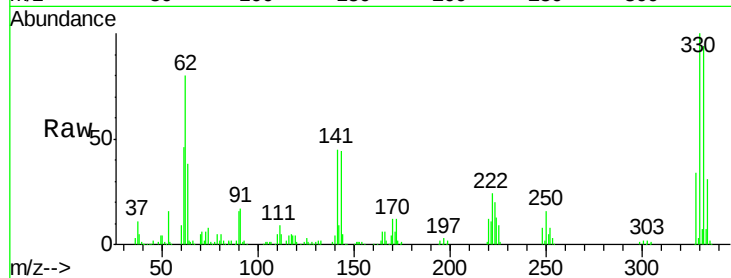




#41  
 2,4,6-Tribromophenol  
 Concen: 64.85 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF082772.D  
 Acq: 6 Nov 2015 20:27

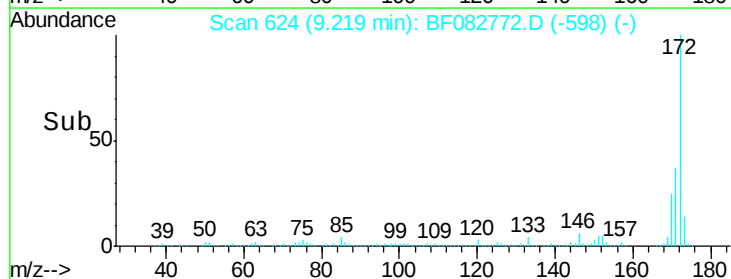
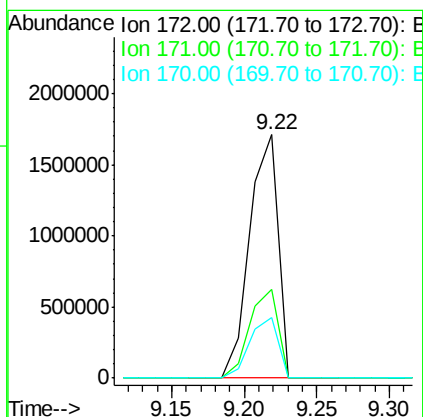
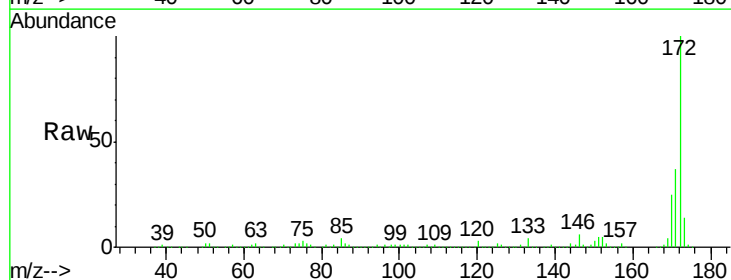
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86450BL

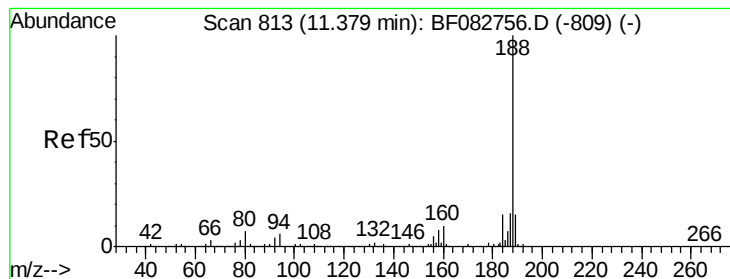
Tot Ion:330 Resp: 365609  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.6 114.8  
 141 38.2 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 67.71 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. 0.00 min  
 Lab File: BF082772.D  
 Acq: 6 Nov 2015 20:27

Tgt Ion:172 Resp: 2323119  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 30.8 46.2  
 170 25.0 21.2 31.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF082772.D

Acq: 6 Nov 2015 20:27

Instrument :

BNA\_F

ClientSampleId :

PB86450BL

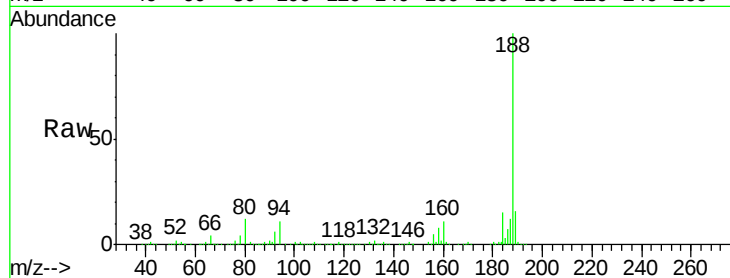
Tot Ion:188 Resp: 980827

Ion Ratio Lower Upper

188 100

94 10.6 6.1 9.1#

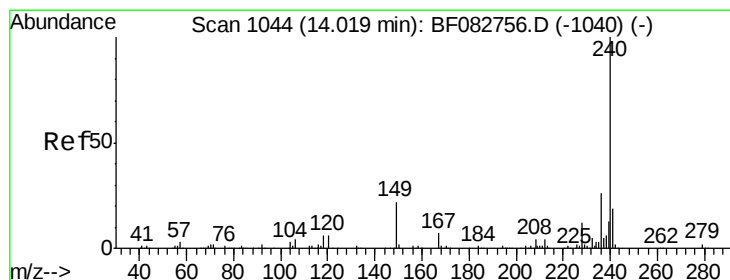
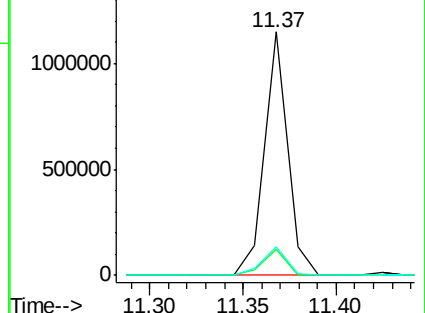
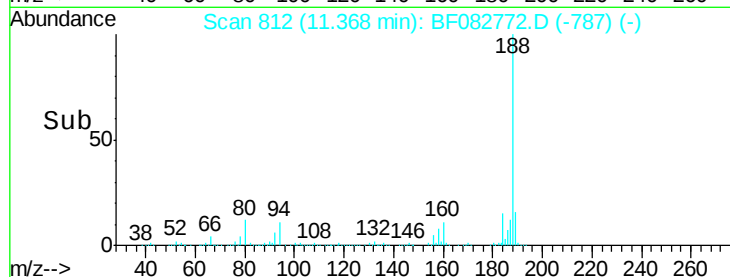
80 11.6 7.0 10.6#



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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082772.D

Acq: 6 Nov 2015 20:27

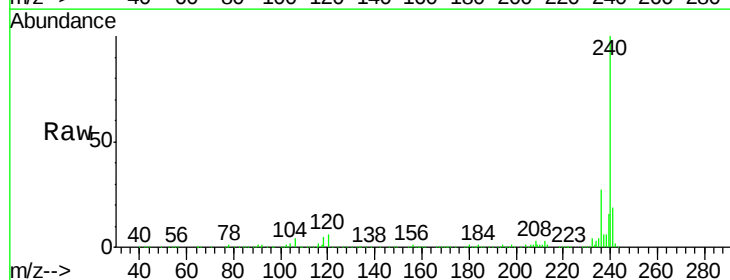
Tgt Ion:240 Resp: 912053

Ion Ratio Lower Upper

240 100

120 5.9 10.9 16.3#

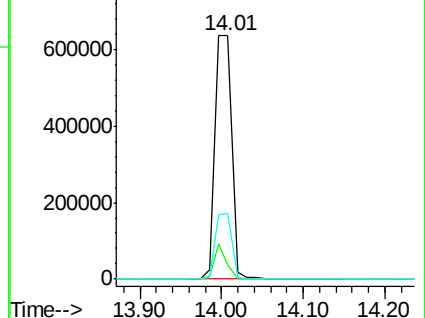
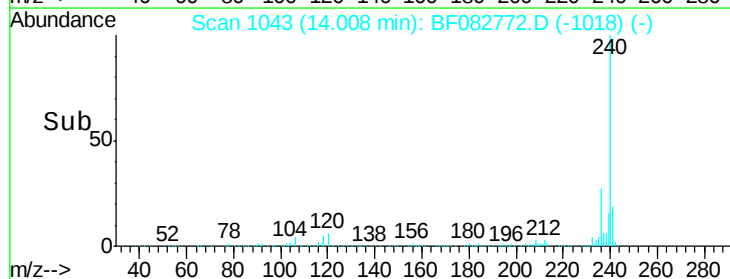
236 26.8 21.6 32.4

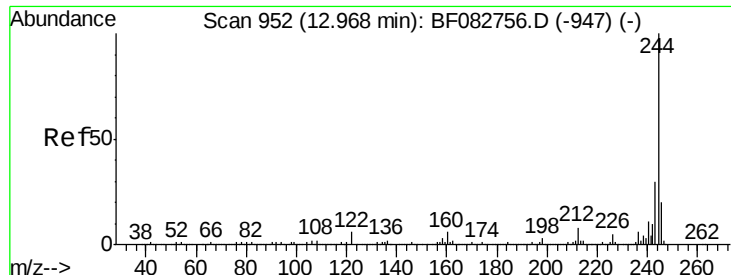


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

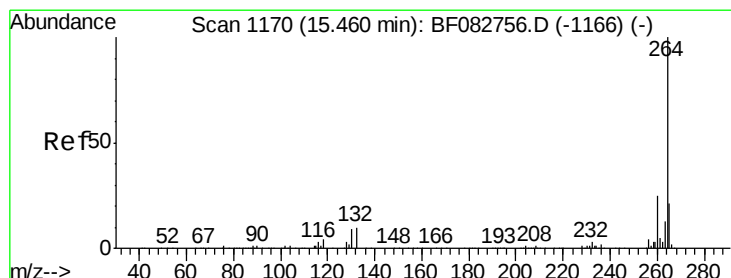
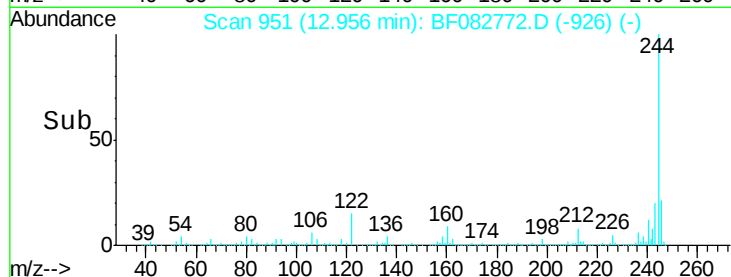
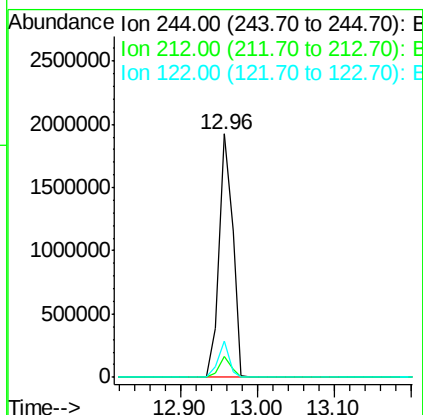
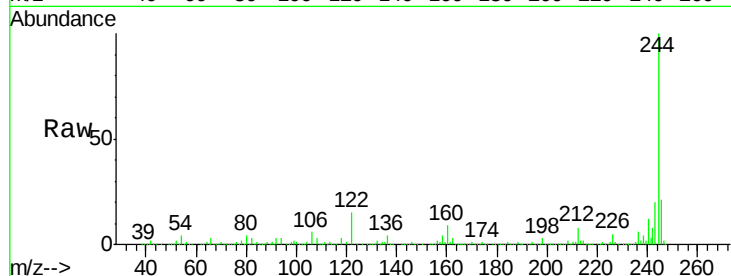




#78  
 Terphenyl-d14  
 Concen: 62.41 ng  
 RT: 12.96 min Scan# 951  
 Delta R.T. -0.01 min  
 Lab File: BF082772.D  
 Acq: 6 Nov 2015 20:27

Instrument :  
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 PB86450BL

Tot Ion:244 Resp: 2399768  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 7.6 11.4  
 122 14.8 11.3 16.9



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.43 min Scan# 1167  
 Delta R.T. -0.03 min  
 Lab File: BF082772.D  
 Acq: 6 Nov 2015 20:27

Tgt Ion:264 Resp: 751692  
 Ion Ratio Lower Upper  
 264 100  
 260 25.4 19.8 29.6  
 265 22.5 17.4 26.0

