

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\  
 Data File : BF080996.D  
 Acq On : 14 Aug 2015 00:50  
 Operator : UM/IZ  
 Sample : PB84967BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84967BL

Quant Time: Aug 14 02:59:13 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 08 01:33:05 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 32360    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8          | 8.03  | 136  | 105461   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 50774    | 20.00  | ng    | -0.07    |
| 63) Phenanthrene-d10        | 11.26 | 188  | 108337   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12            | 13.88 | 240  | 84554    | 20.00  | ng    | -0.08    |
| 86) Perylene-d12            | 15.28 | 264  | 55817    | 20.00  | ng    | -0.08    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 208550   | 105.30 | ng    | -0.03    |
| 7) Phenol-d6                | 6.38  | 99   | 228614   | 84.23  | ng    | -0.06    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 182894   | 82.03  | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 49240    | 88.27  | ng    | -0.07    |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 405736   | 112.50 | ng    | -0.06    |
| 78) Terphenyl-d14           | 12.84 | 244  | 230644   | 56.34  | ng    | -0.07    |

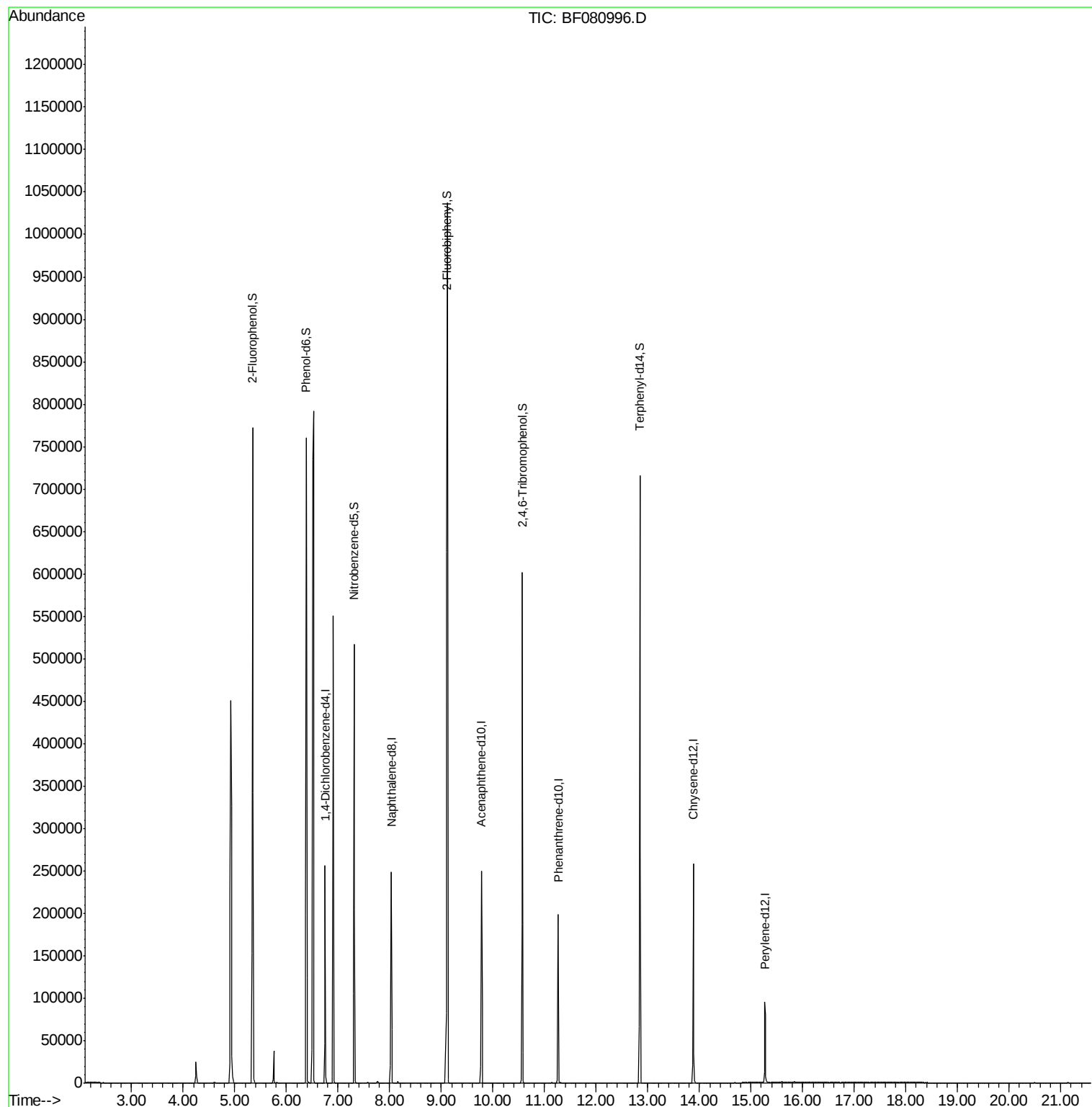
Target Compounds Qvalue

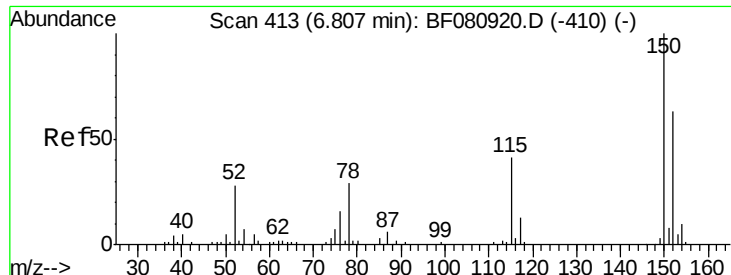
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 08 01:33:05 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.06 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Instrument :

BNA\_F

ClientSampleId :

PB84967BL

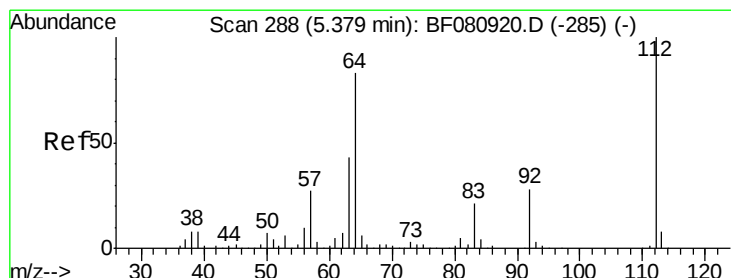
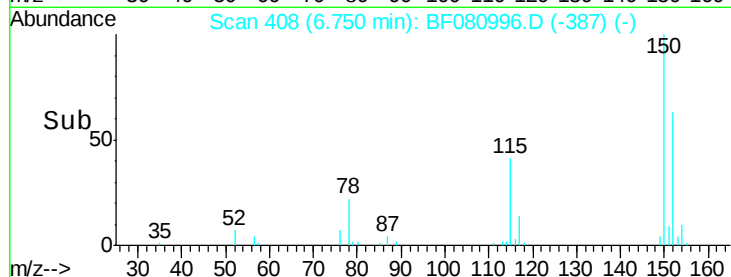
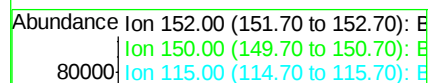
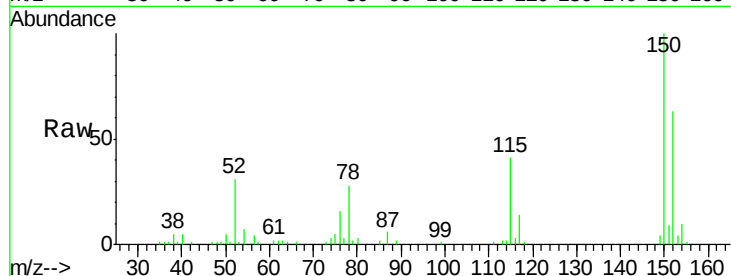
Tot Ion:152 Resp: 32360

Ion Ratio Lower Upper

152 100

150 158.5 127.4 191.2

115 64.5 52.6 78.8



#5

2-Fluorophenol

Concen: 105.30 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

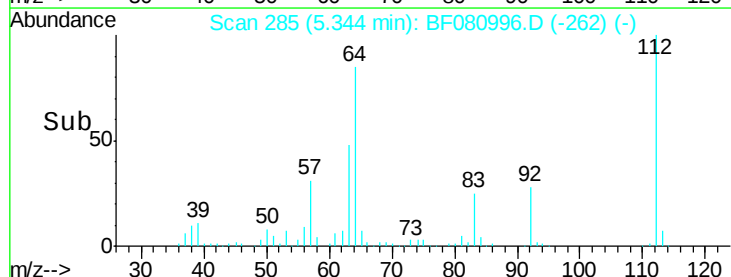
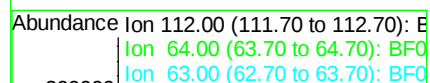
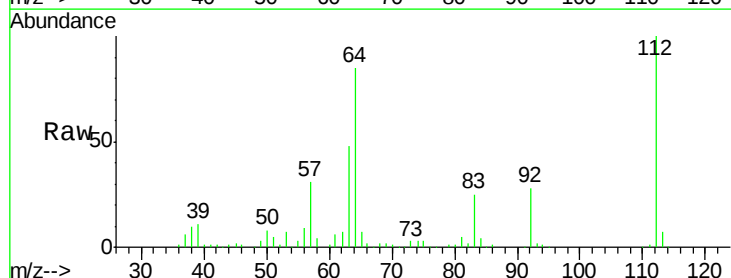
Tgt Ion:112 Resp: 208550

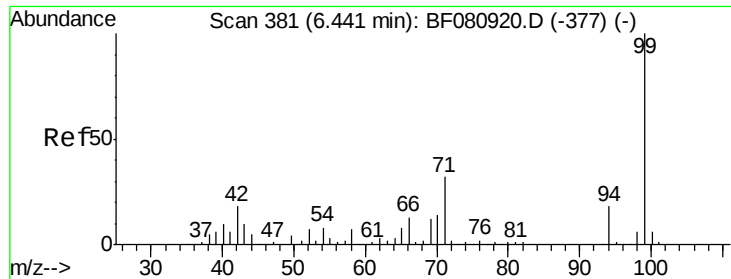
Ion Ratio Lower Upper

112 100

64 85.2 66.1 99.1

63 48.1 34.6 52.0





#7

Phenol-d6

Concen: 84.23 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Instrument :

BNA\_F

ClientSampleId :

PB84967BL

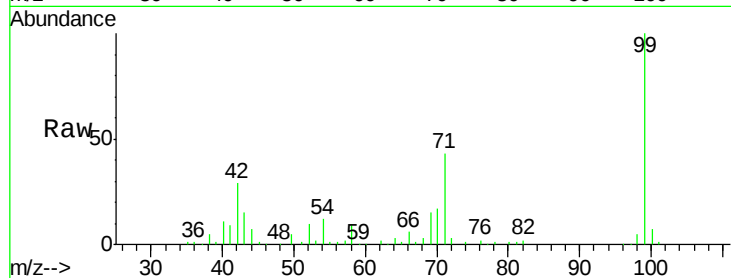
Tot Ion: 99 Resp: 228614

Ion Ratio Lower Upper

99 100

42 28.7 14.4 21.6#

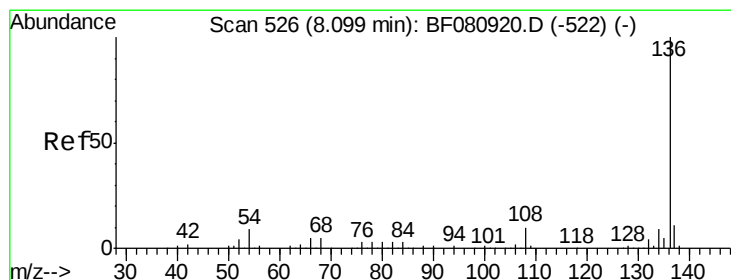
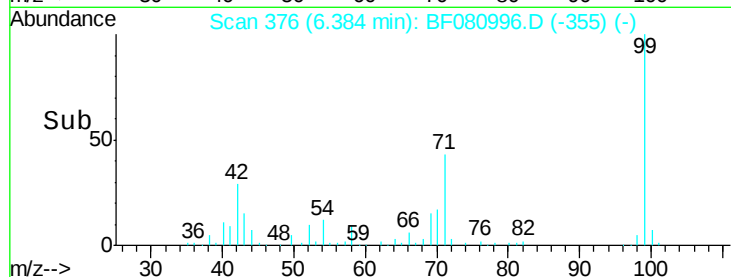
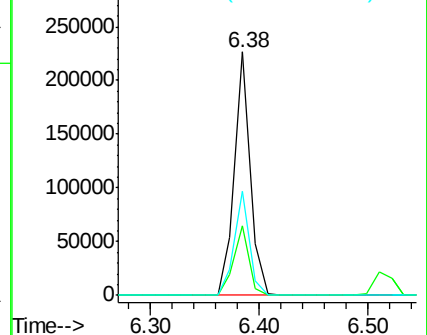
71 43.0 25.8 38.8#



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: 8.03 min Scan# 520

Delta R.T. -0.07 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Tgt Ion: 136 Resp: 105461

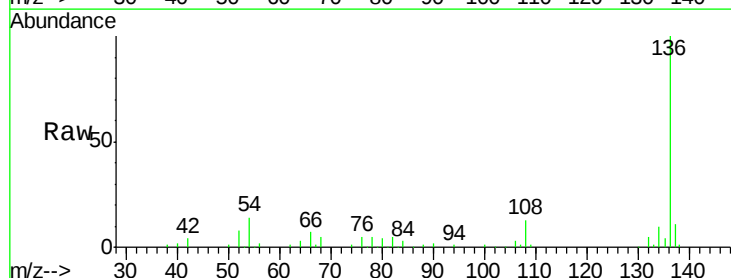
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 13.5 7.1 10.7#

68 5.3 3.8 5.8

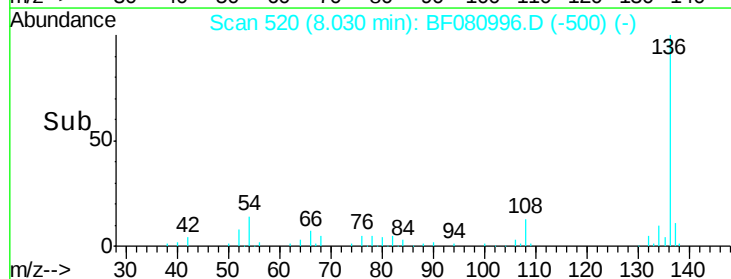
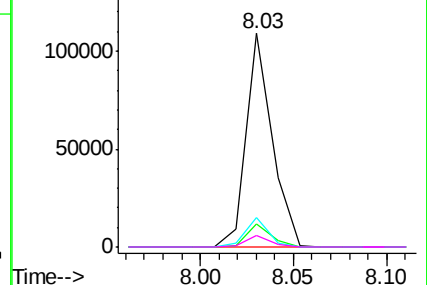


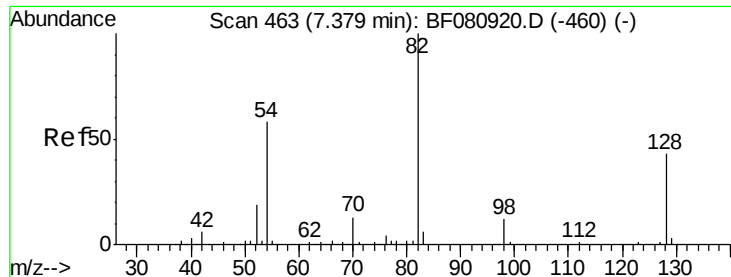
Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.03 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.07 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Instrument :

BNA\_F

ClientSampled :

PB84967BL

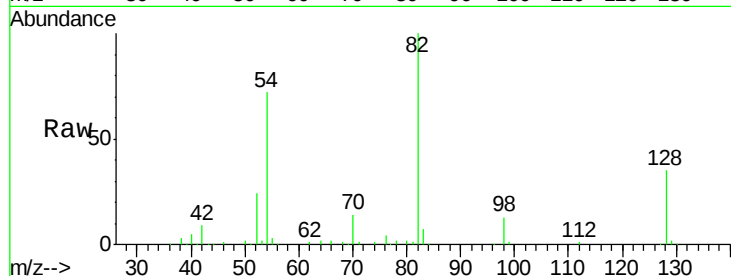
Tot Ion: 82 Resp: 182894

Ion Ratio Lower Upper

82 100

128 35.0 34.1 51.1

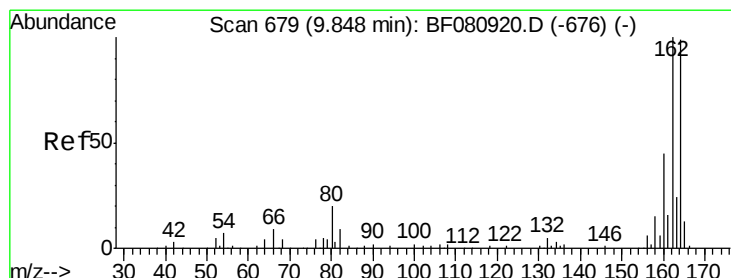
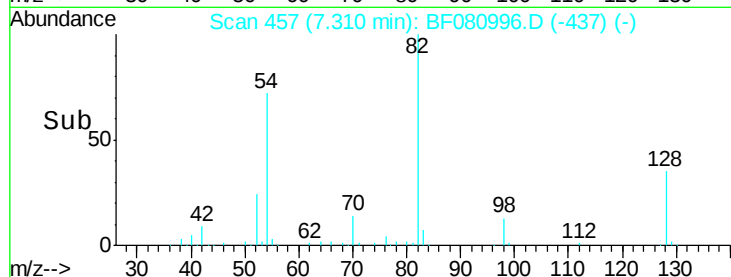
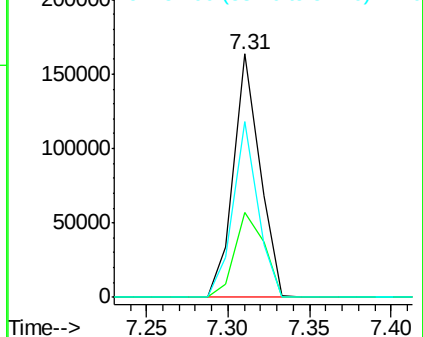
54 72.4 46.5 69.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.07 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

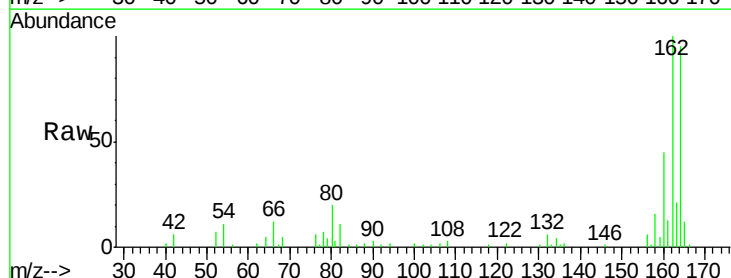
Tgt Ion:164 Resp: 50774

Ion Ratio Lower Upper

164 100

162 105.7 80.5 120.7

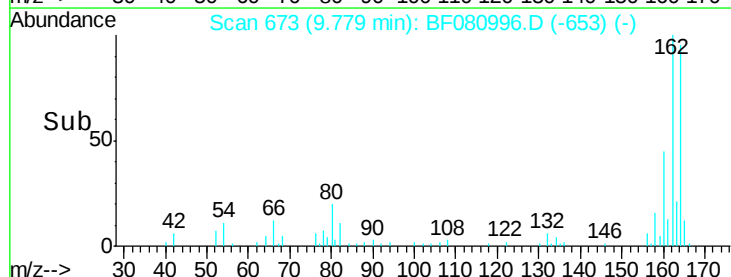
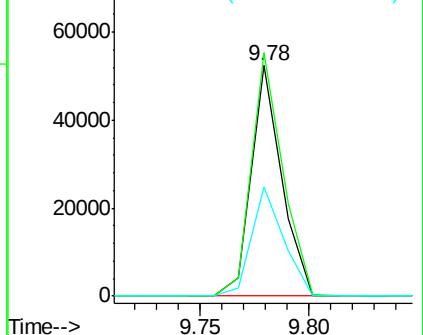
160 47.4 36.6 54.8

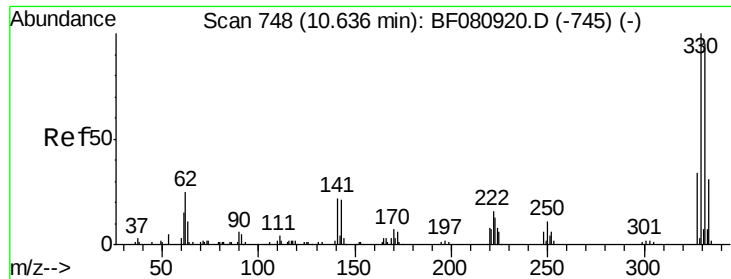


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

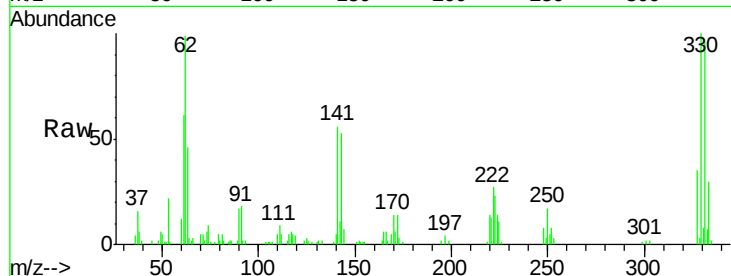




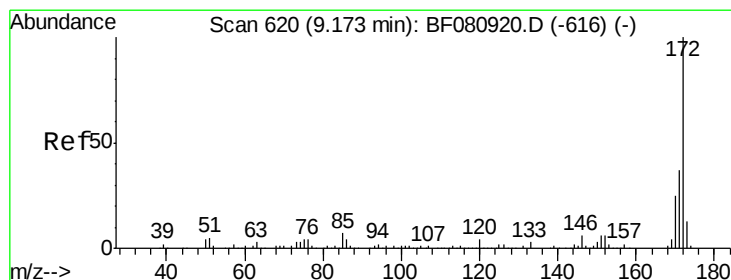
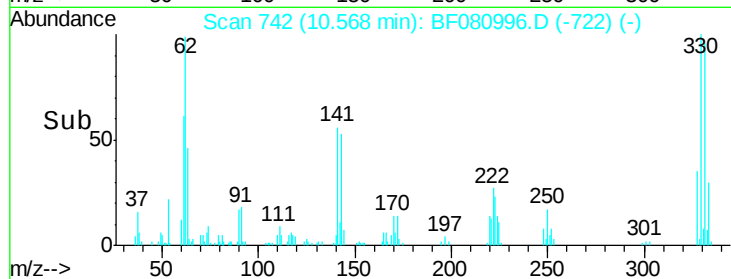
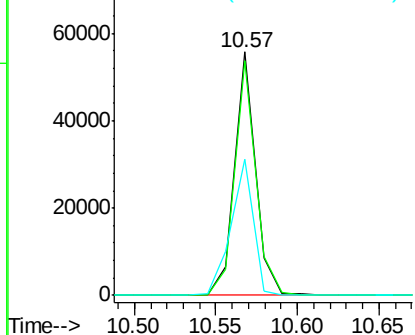
#41  
 2,4,6-Tribromophenol  
 Concen: 88.27 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.07 min  
 Lab File: BF080996.D  
 Acq: 14 Aug 2015 00:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84967BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 76.2  | 114.4 |
| 141     | 59.7  | 27.8  | 41.8# |

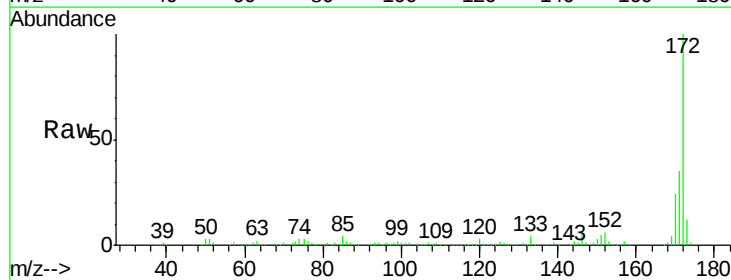


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

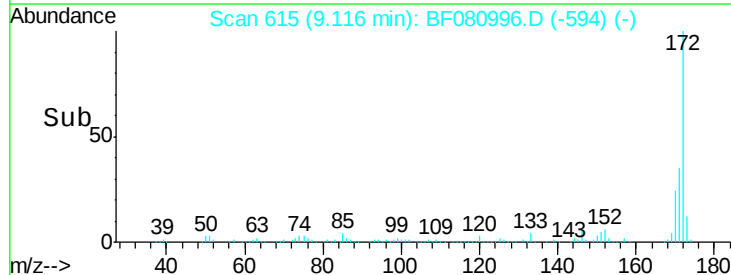
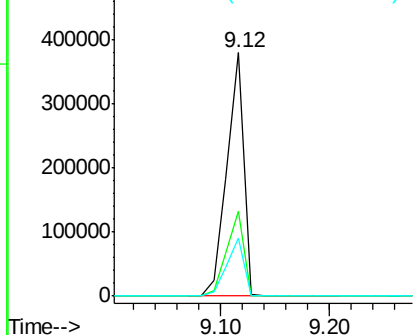


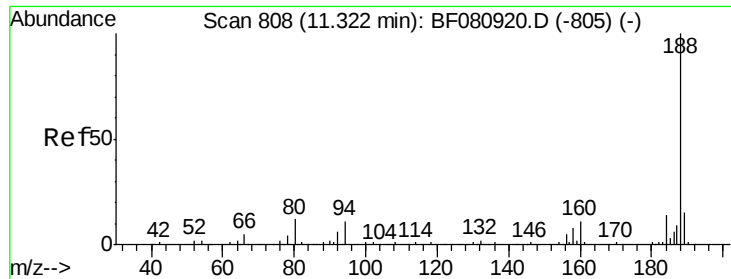
#44  
 2-Fluorobiphenyl  
 Concen: 112.50 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.06 min  
 Lab File: BF080996.D  
 Acq: 14 Aug 2015 00:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 29.4  | 44.0  |
| 170     | 23.9  | 19.7  | 29.5  |



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

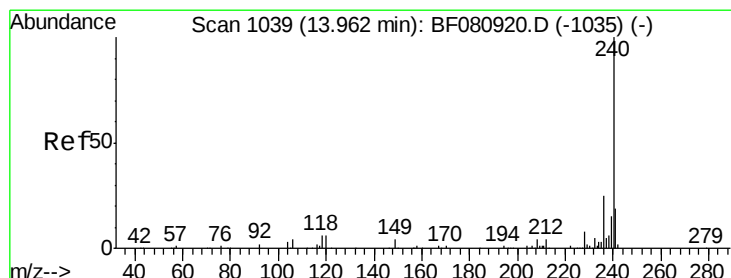
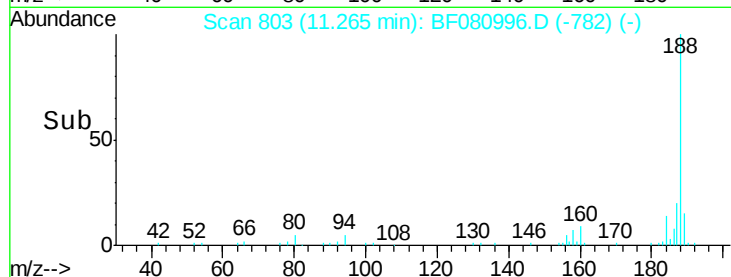
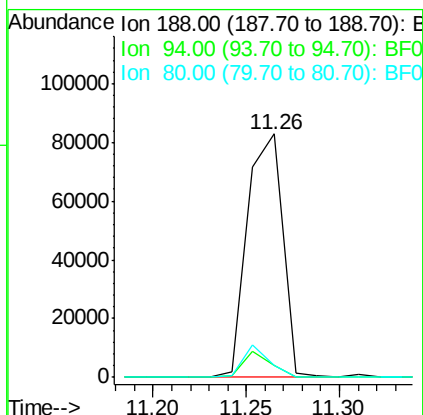
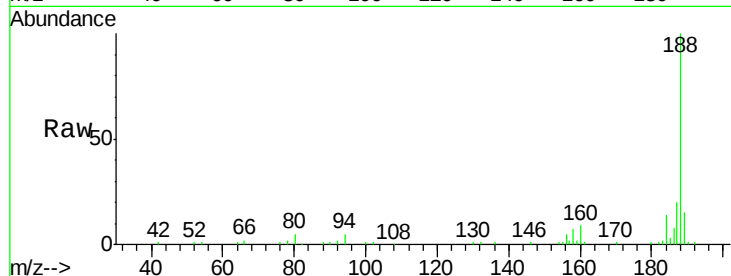




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 803  
Delta R.T. -0.06 min  
Lab File: BF080996.D  
Acq: 14 Aug 2015 00:50

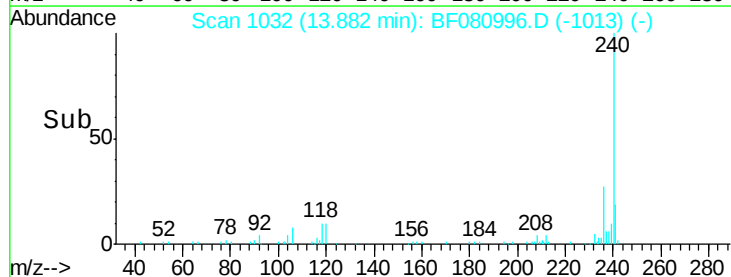
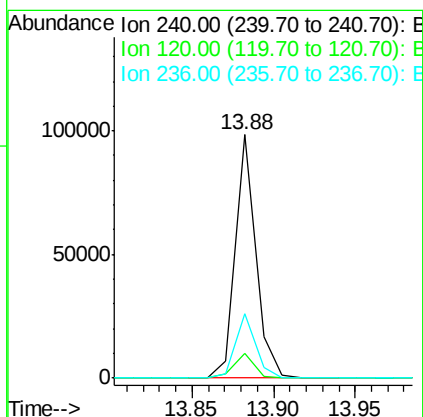
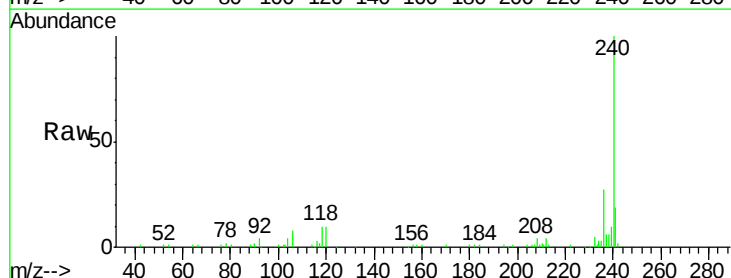
Instrument :  
BNA\_F  
ClientSampled :  
PB84967BL

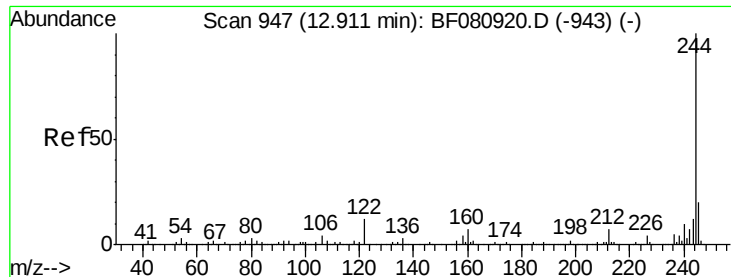
Tot Ion:188 Resp: 108337  
Ion Ratio Lower Upper  
188 100  
94 4.8 8.8 13.2#  
80 4.9 9.5 14.3#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.88 min Scan# 1032  
Delta R.T. -0.08 min  
Lab File: BF080996.D  
Acq: 14 Aug 2015 00:50

Tgt Ion:240 Resp: 84554  
Ion Ratio Lower Upper  
240 100  
120 10.0 5.2 7.8#  
236 26.6 20.2 30.4

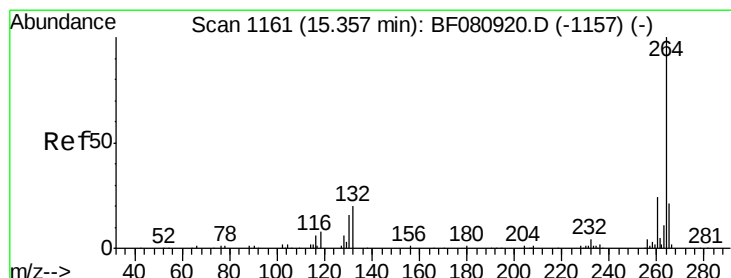
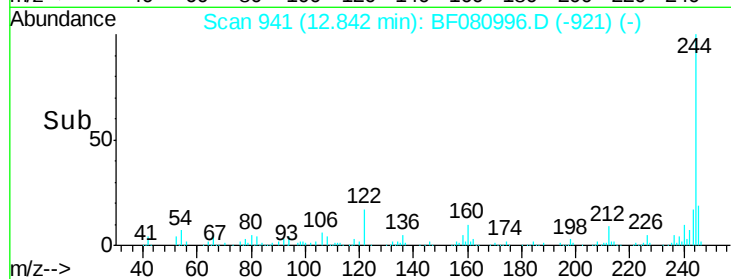
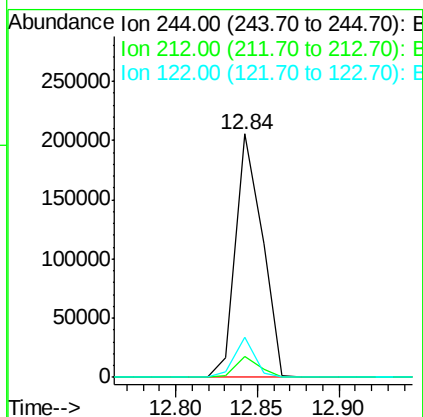
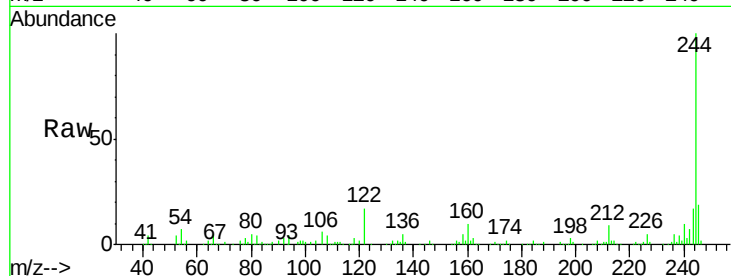




#78  
 Terphenyl-d14  
 Concen: 56.34 ng  
 RT: 12.84 min Scan# 941  
 Delta R.T. -0.07 min  
 Lab File: BF080996.D  
 Acq: 14 Aug 2015 00:50

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB84967BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.7   | 5.8   | 8.8   |
| 122     | 16.7  | 9.4   | 14.2# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.28 min Scan# 1154  
 Delta R.T. -0.08 min  
 Lab File: BF080996.D  
 Acq: 14 Aug 2015 00:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 19.4  | 29.0  |
| 265     | 20.3  | 17.0  | 25.4  |

