

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080315\  
 Data File : BF080822.D  
 Acq On : 4 Aug 2015 2:09  
 Operator : TP  
 Sample : PB84720BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84720BL

Quant Time: Aug 04 05:34:41 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 04 01:58:34 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 178138   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.11  | 136  | 632912   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.87  | 164  | 316704   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 619256   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 405971   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.39 | 264  | 310246   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 1235855  | 115.66 | ng    | 0.01     |
| 7) Phenol-d6                | 6.46  | 99   | 1711117  | 119.05 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 1042654  | 81.30  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 461225   | 151.98 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1958683  | 93.48  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 1591997  | 78.15  | ng    | 0.00     |

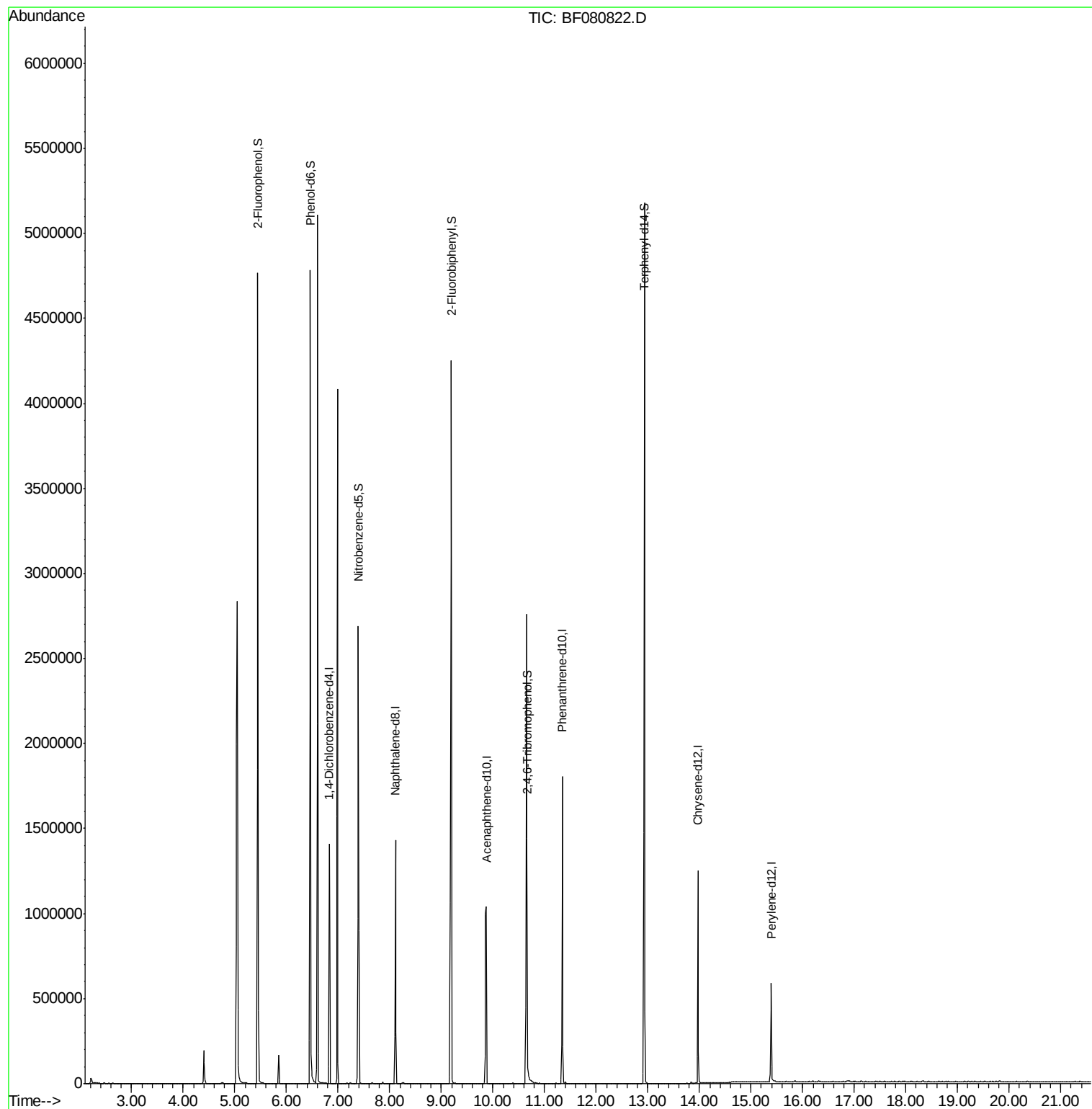
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

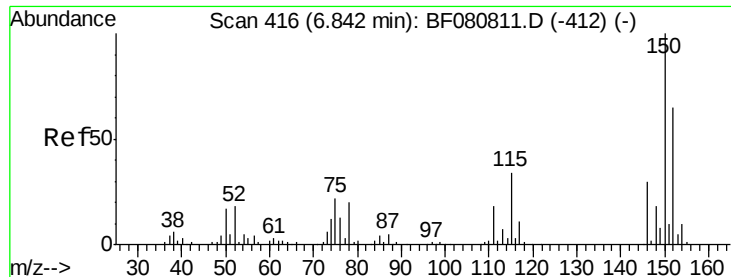
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080315\  
Data File : BF080822.D  
Acq On : 4 Aug 2015 2:09  
Operator : TP  
Sample : PB84720BL  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB84720BL

Quant Time: Aug 04 05:34:41 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 04 01:58:34 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF080822.D

Acq: 4 Aug 2015 2:09

Instrument :

BNA\_F

ClientSampleId :

PB84720BL

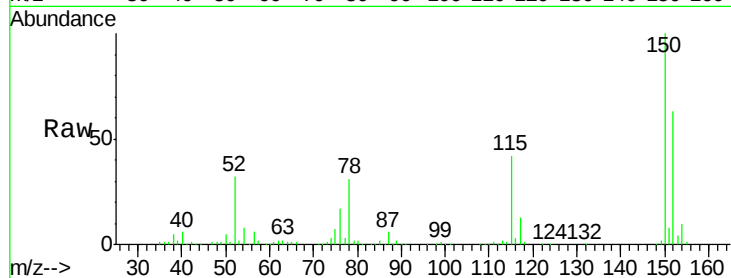
Tgt Ion:152 Resp: 178138

Ion Ratio Lower Upper

152 100

150 158.8 122.9 184.3

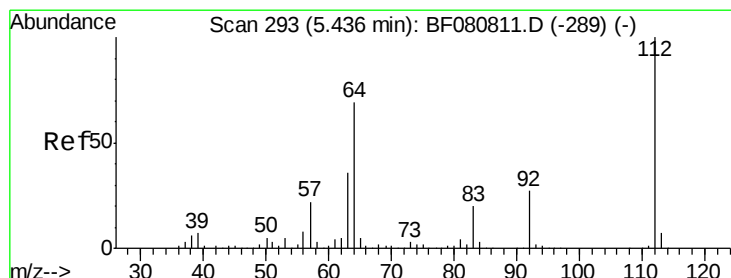
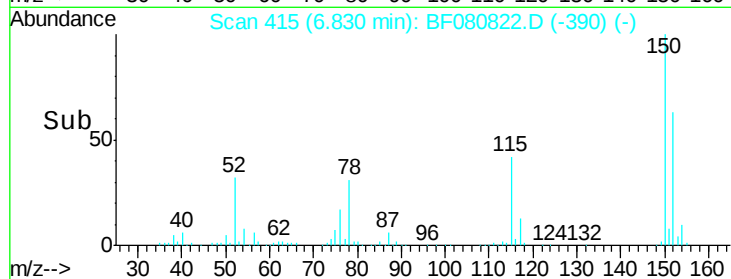
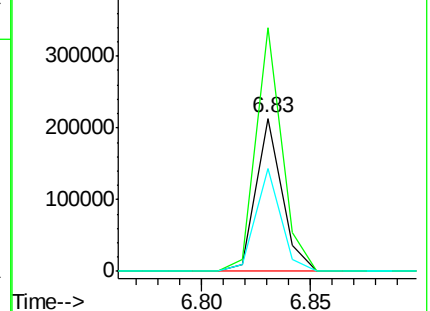
115 66.6 42.0 63.0#



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: 115.66 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF080822.D

Acq: 4 Aug 2015 2:09

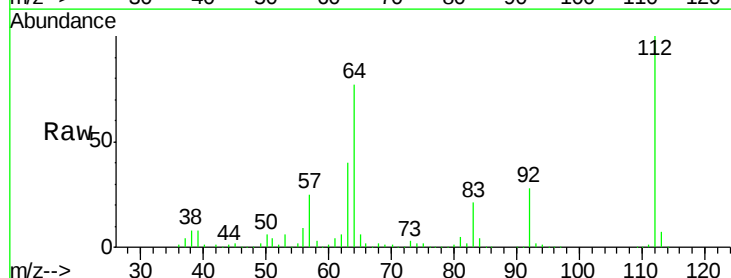
Tgt Ion:112 Resp: 1235855

Ion Ratio Lower Upper

112 100

64 77.1 55.0 82.4

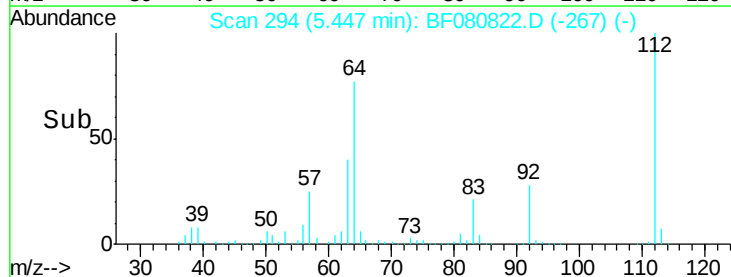
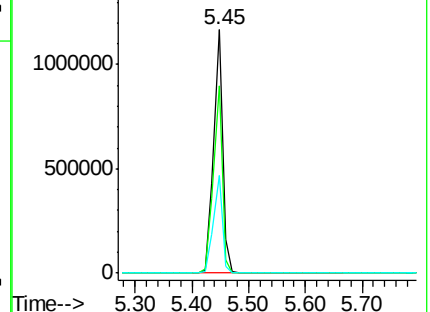
63 40.0 28.6 42.8

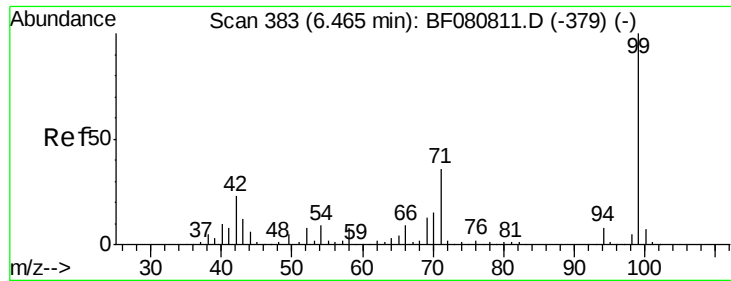


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.05 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF080822.D

Acq: 4 Aug 2015 2:09

Instrument :

BNA\_F

ClientSampleId :

PB84720BL

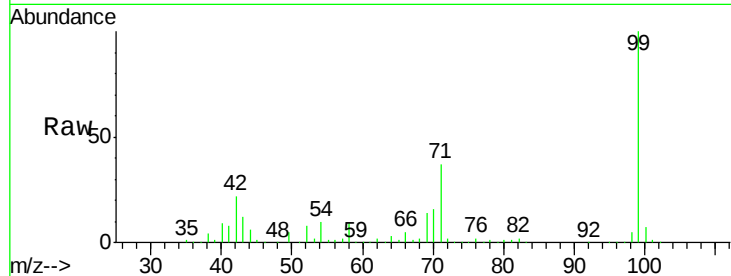
Tgt Ion: 99 Resp: 1711117

Ion Ratio Lower Upper

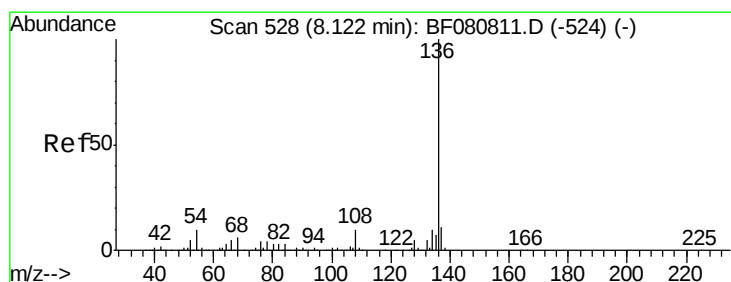
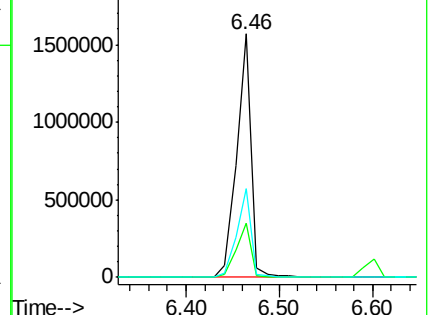
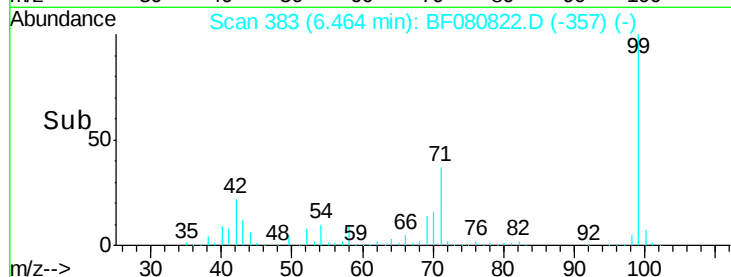
99 100

42 22.5 18.4 27.6

71 36.7 28.7 43.1



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. -0.01 min

Lab File: BF080822.D

Acq: 4 Aug 2015 2:09

Tgt Ion: 136 Resp: 632912

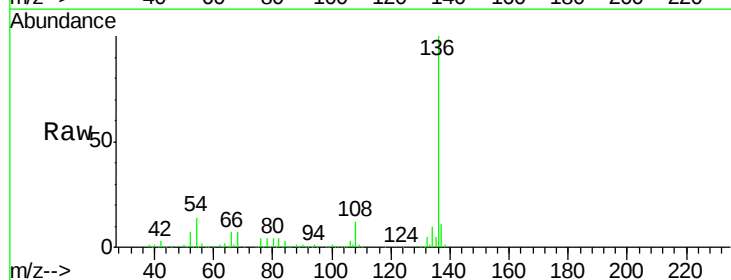
Ion Ratio Lower Upper

136 100

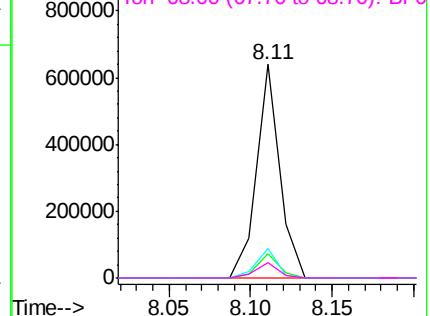
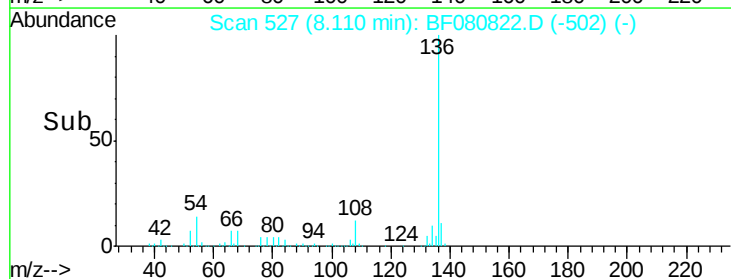
137 11.1 8.8 13.2

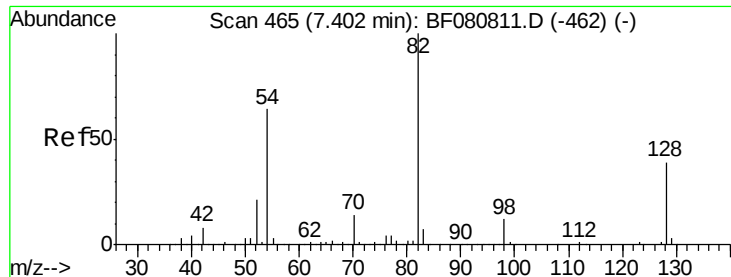
54 13.8 7.9 11.9#

68 7.0 4.4 6.6#



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

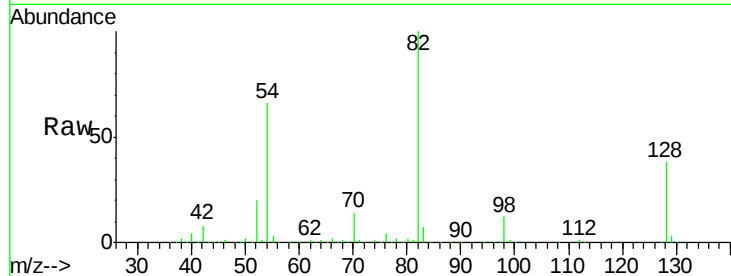




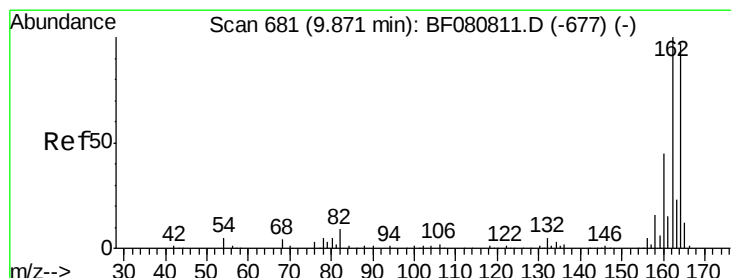
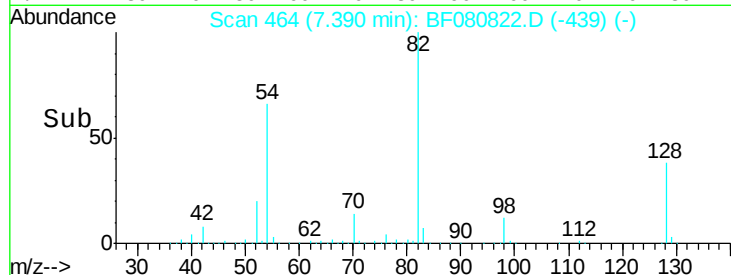
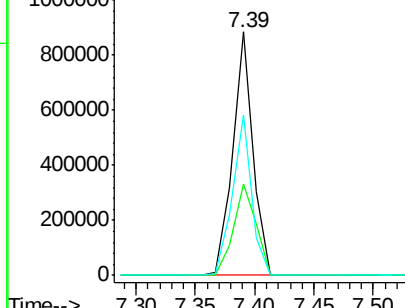
#23  
 Nitrobenzene-d5  
 Concen: 81.30 ng  
 RT: 7.39 min Scan# 464  
 Delta R.T. -0.01 min  
 Lab File: BF080822.D  
 Acq: 4 Aug 2015 2:09

Instrument :  
 BNA\_F  
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 PB84720BL

Tgt Ion: 82 Resp: 1042654  
 Ion Ratio Lower Upper  
 82 100  
 128 37.6 31.4 47.0  
 54 65.8 51.0 76.4

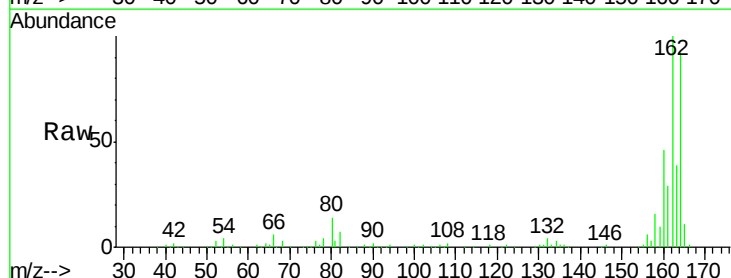


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

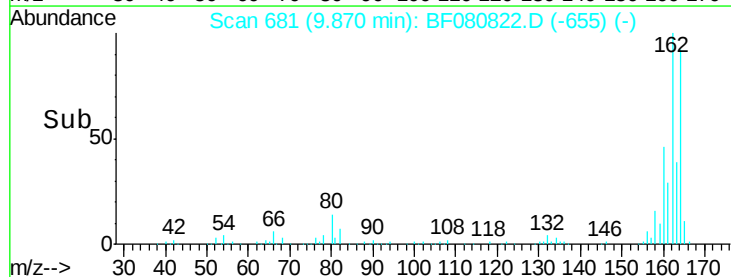
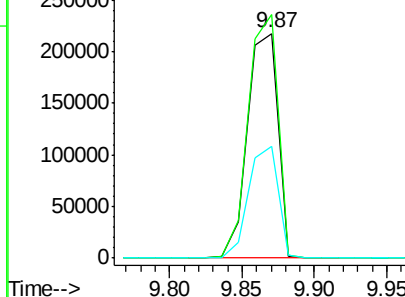


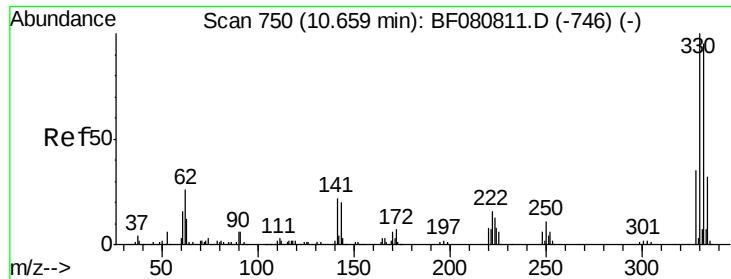
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.87 min Scan# 681  
 Delta R.T. -0.00 min  
 Lab File: BF080822.D  
 Acq: 4 Aug 2015 2:09

Tgt Ion: 164 Resp: 316704  
 Ion Ratio Lower Upper  
 164 100  
 162 108.4 82.3 123.5  
 160 49.9 37.3 55.9



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

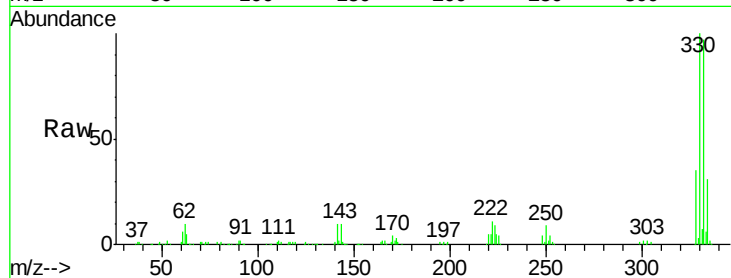




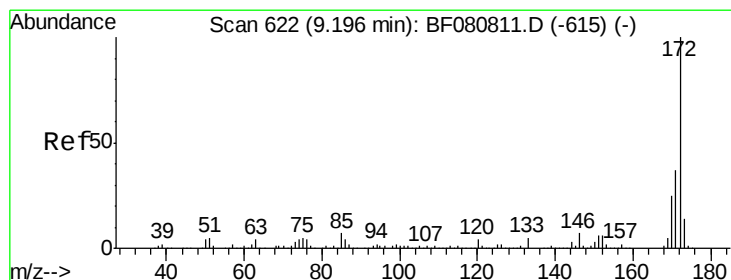
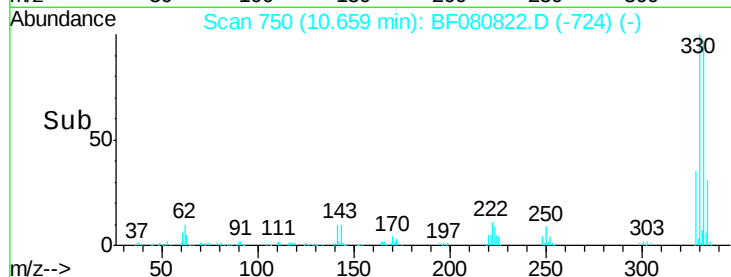
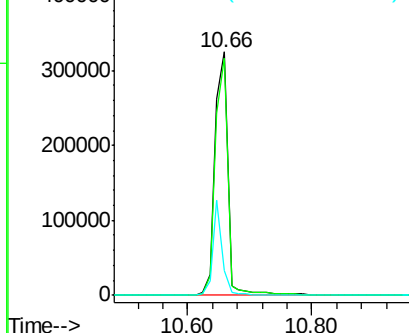
#41  
 2,4,6-Tribromophenol  
 Concen: 151.98 ng  
 RT: 10.66 min Scan# 750  
 Delta R.T. -0.00 min  
 Lab File: BF080822.D  
 Acq: 4 Aug 2015 2:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84720BL

Tgt Ion:330 Resp: 461225  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 76.2 114.4  
 141 29.7 25.4 38.0

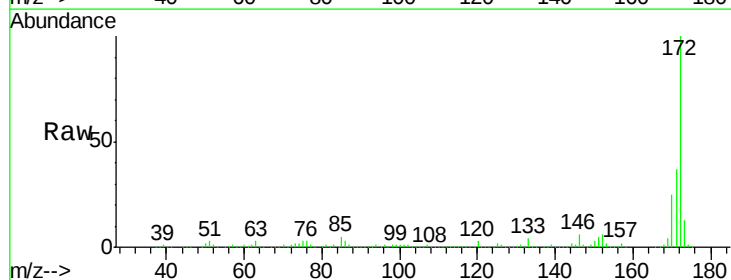


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

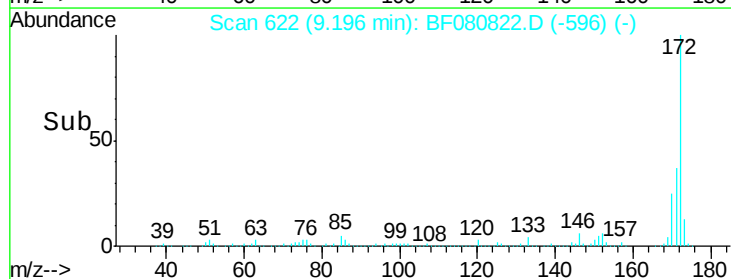
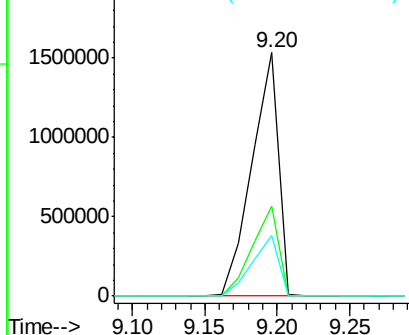


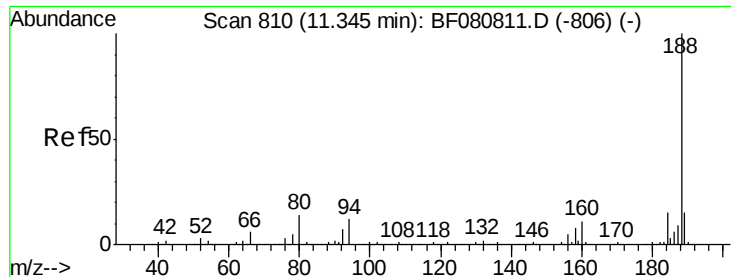
#44  
 2-Fluorobiphenyl  
 Concen: 93.48 ng  
 RT: 9.20 min Scan# 622  
 Delta R.T. -0.00 min  
 Lab File: BF080822.D  
 Acq: 4 Aug 2015 2:09

Tgt Ion:172 Resp: 1958683  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 30.0 45.0  
 170 24.6 20.2 30.4



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

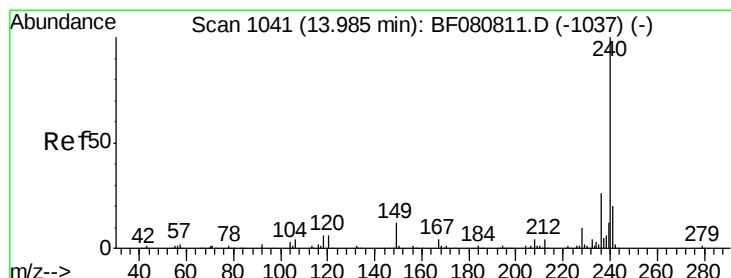
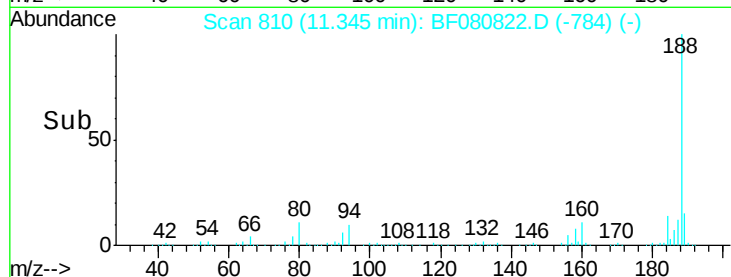
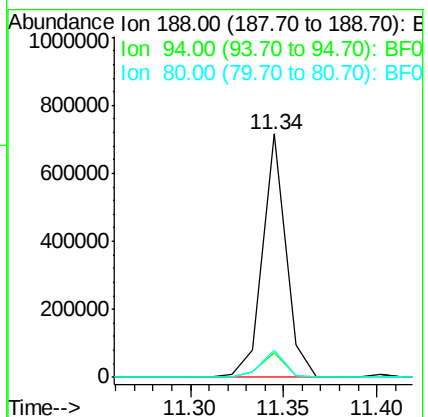
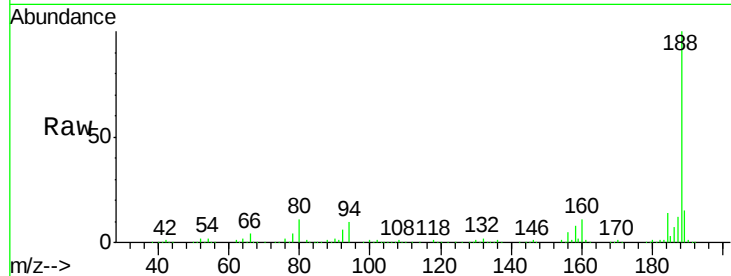




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF080822.D  
Acq: 4 Aug 2015 2:09

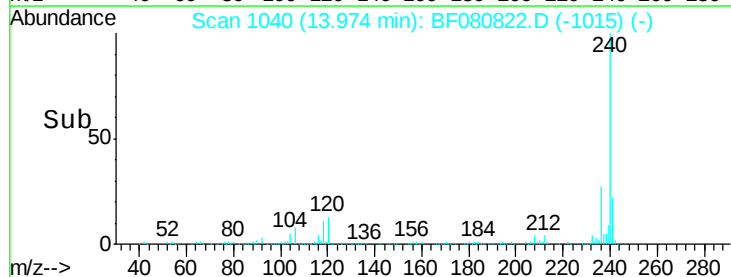
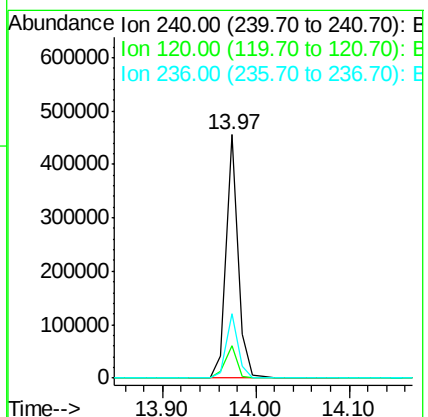
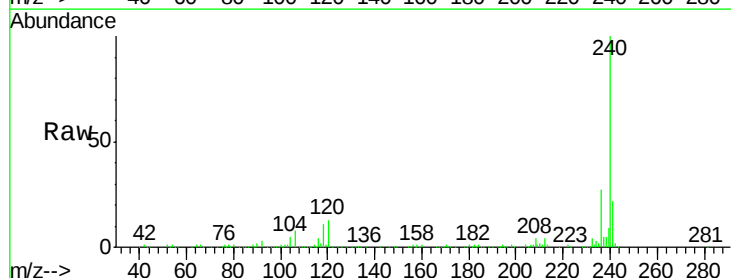
Instrument :  
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PB84720BL

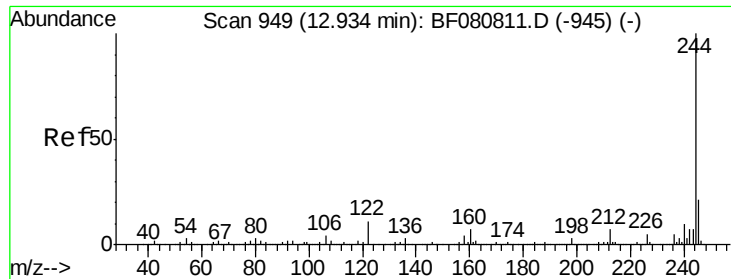
Tgt Ion:188 Resp: 619256  
Ion Ratio Lower Upper  
188 100  
94 10.3 9.7 14.5  
80 11.5 11.2 16.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BF080822.D  
Acq: 4 Aug 2015 2:09

Tgt Ion:240 Resp: 405971  
Ion Ratio Lower Upper  
240 100  
120 13.1 5.0 7.4#  
236 26.6 20.8 31.2

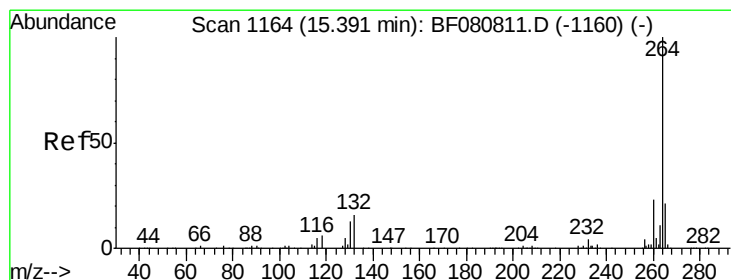
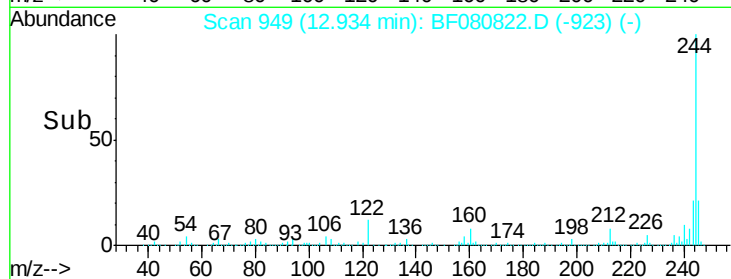
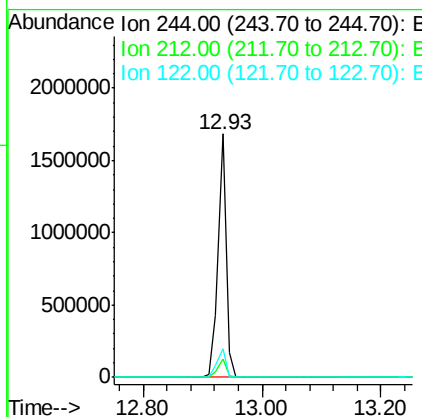
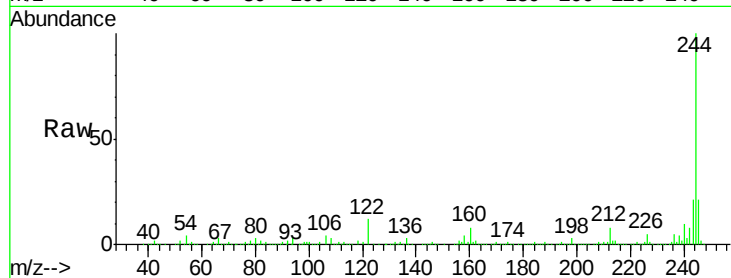




#78  
 Terphenyl-d14  
 Concen: 78.15 ng  
 RT: 12.93 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: BF080822.D  
 Acq: 4 Aug 2015 2:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84720BL

Tgt Ion:244 Resp: 1591997  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.8 8.8  
 122 11.7 9.1 13.7



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1164  
 Delta R.T. -0.00 min  
 Lab File: BF080822.D  
 Acq: 4 Aug 2015 2:09

Tgt Ion:264 Resp: 310246  
 Ion Ratio Lower Upper  
 264 100  
 260 21.9 18.3 27.5  
 265 21.6 17.0 25.6

