

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081115\  
 Data File : BF080966.D  
 Acq On : 11 Aug 2015 17:31  
 Operator : UM/IZ  
 Sample : PB84929BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84929BL

Quant Time: Aug 12 01:48:04 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   | 6.78  | 152  | 94726    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.06  | 136  | 353944   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.82  | 164  | 189069   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.30 | 188  | 398574   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 13.93 | 240  | 327658   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 15.32 | 264  | 256686   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 523140   | 90.23 | ng    | 0.01     |
| 7) Phenol-d6                | 6.42  | 99   | 707026   | 88.99 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 464896   | 62.13 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 156966   | 75.57 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 811886   | 60.45 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.89 | 244  | 866310   | 54.61 | ng    | -0.02    |

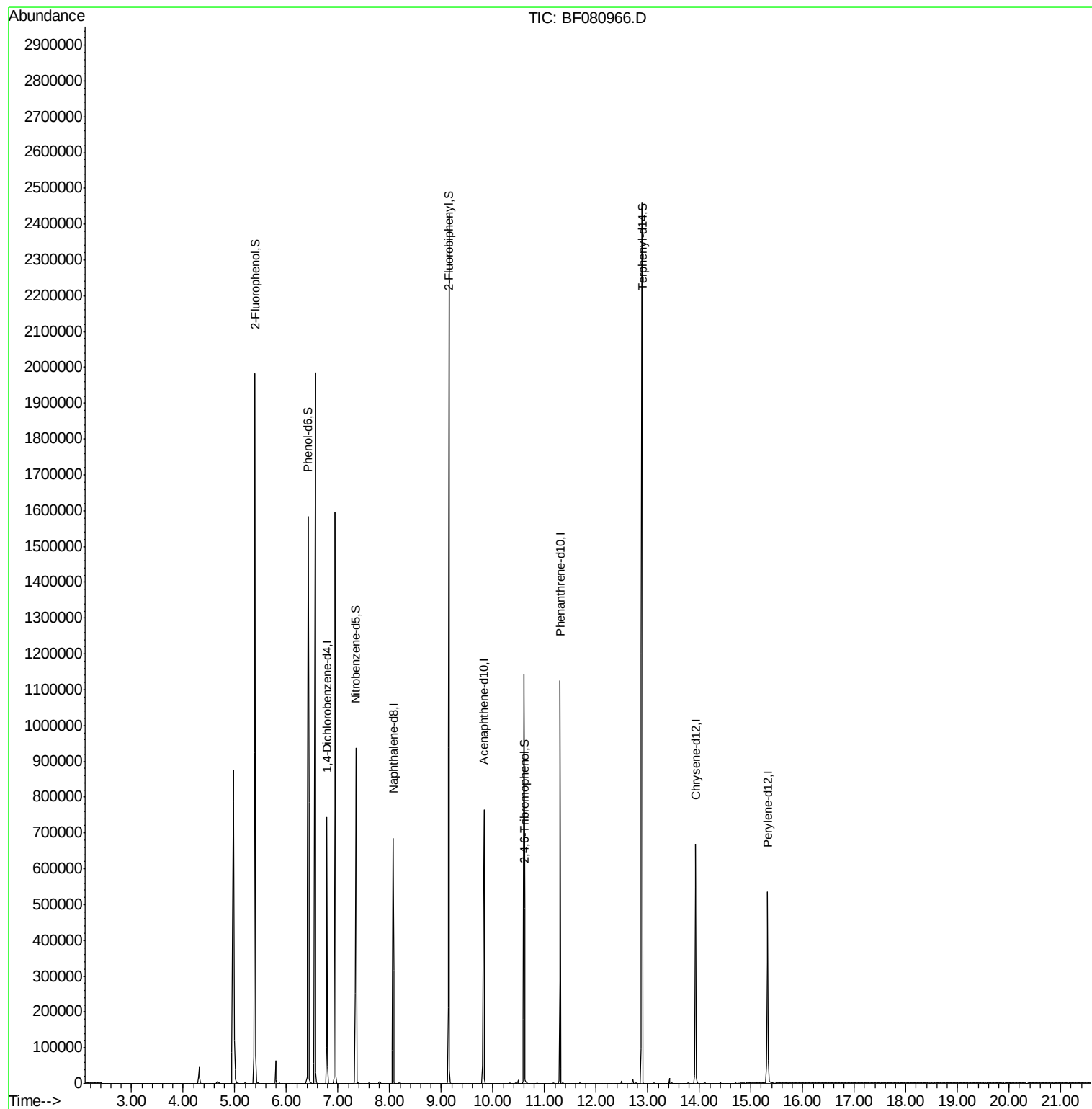
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

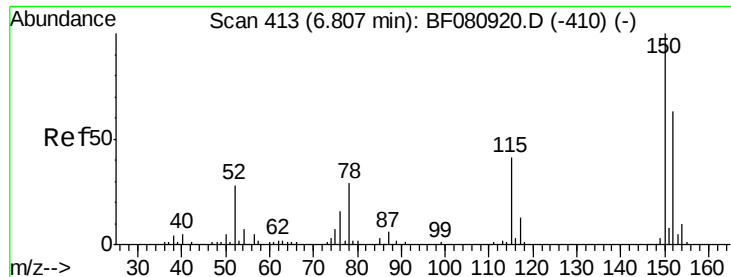
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :  
PB84929BL

Quant Time: Aug 12 01:48:04 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF080966.D

Acq: 11 Aug 2015 17:31

Instrument :

BNA\_F

ClientSampled :

PB84929BL

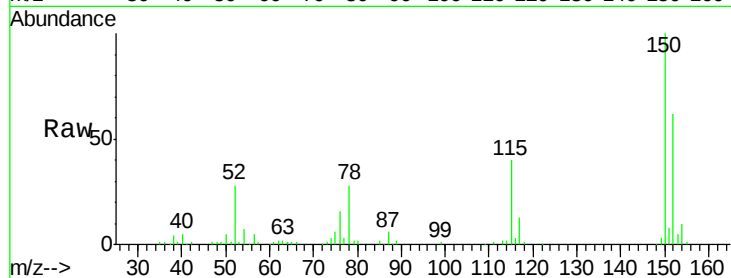
Tgt Ion:152 Resp: 94726

Ion Ratio Lower Upper

152 100

150 160.4 127.4 191.2

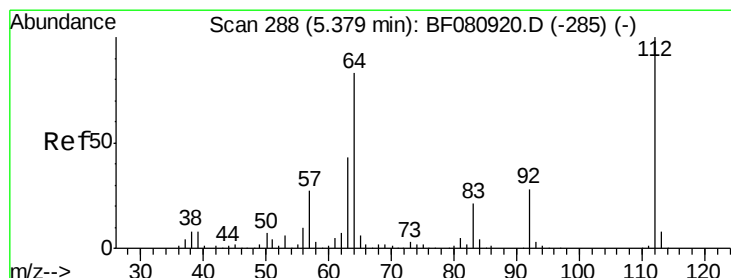
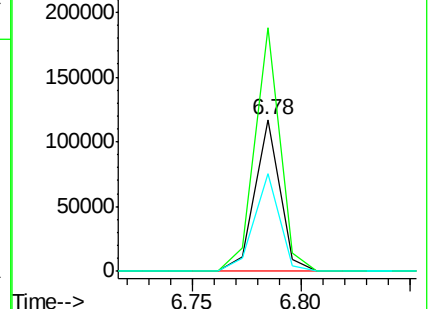
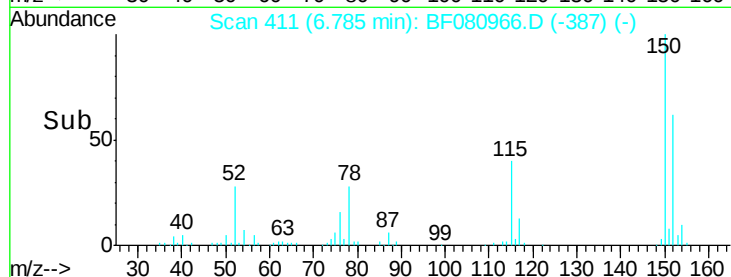
115 64.5 52.6 78.8



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: 90.23 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF080966.D

Acq: 11 Aug 2015 17:31

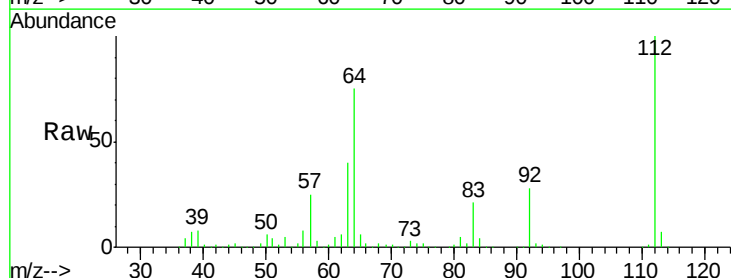
Tgt Ion:112 Resp: 523140

Ion Ratio Lower Upper

112 100

64 75.4 66.1 99.1

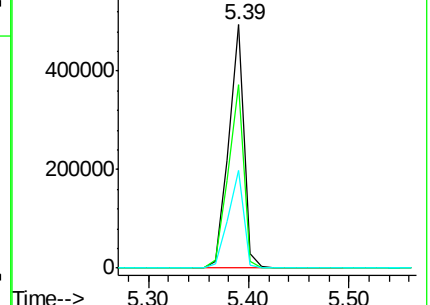
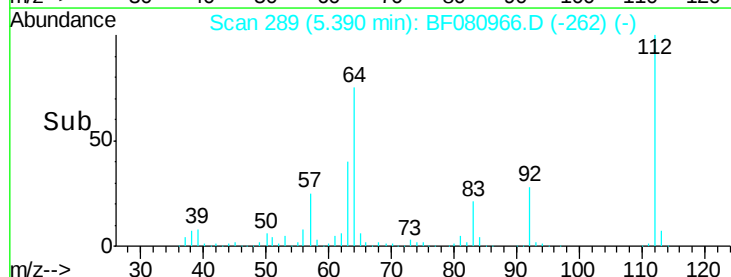
63 40.0 34.6 52.0

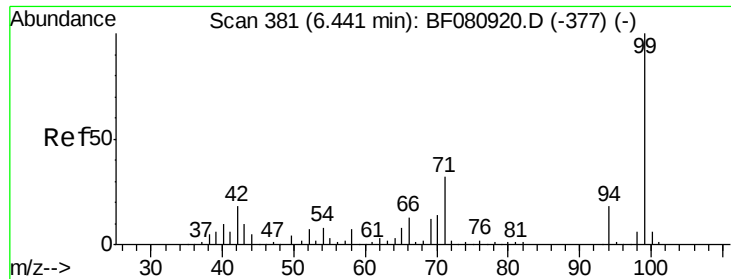


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 88.99 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF080966.D

Acq: 11 Aug 2015 17:31

Instrument :

BNA\_F

ClientSampleId :

PB84929BL

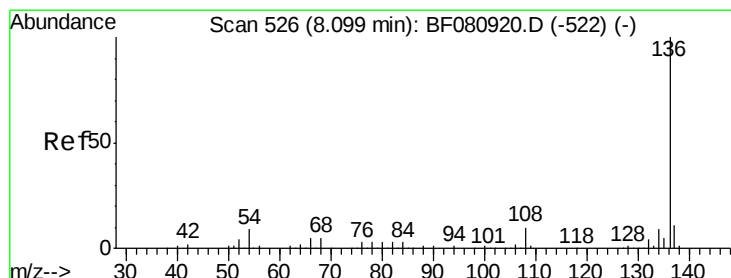
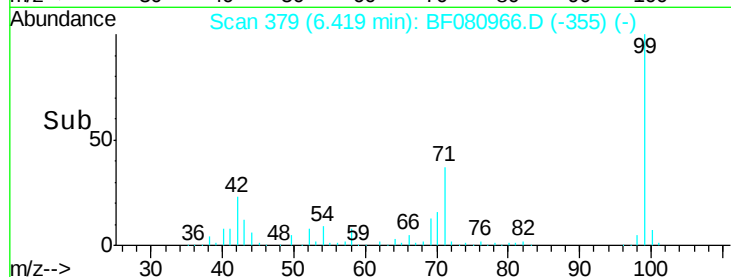
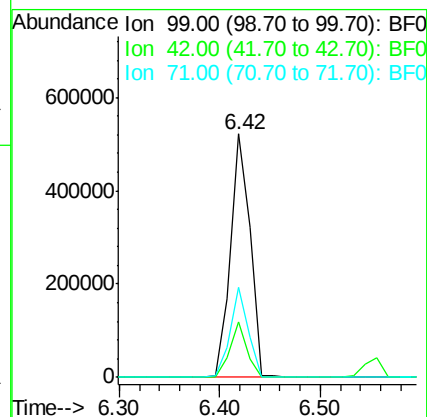
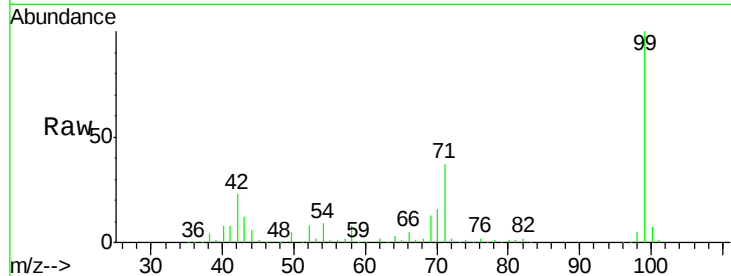
Tgt Ion: 99 Resp: 707026

Ion Ratio Lower Upper

99 100

42 23.0 14.4 21.6#

71 37.1 25.8 38.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF080966.D

Acq: 11 Aug 2015 17:31

Tgt Ion: 136 Resp: 353944

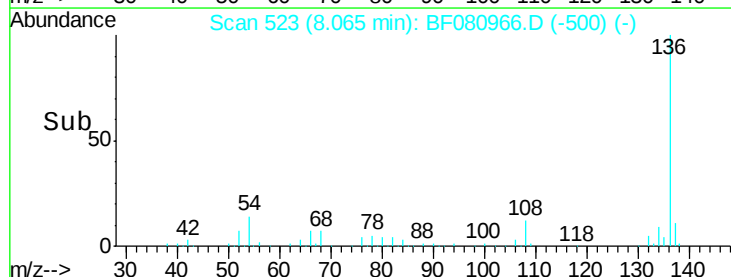
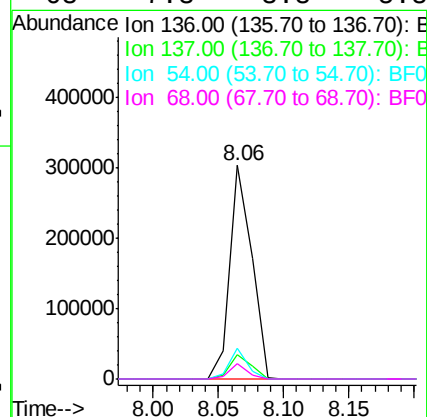
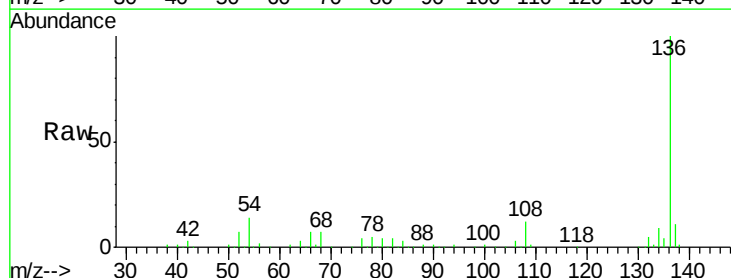
Ion Ratio Lower Upper

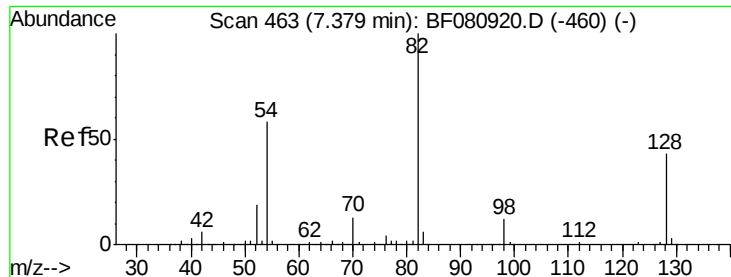
136 100

137 11.1 8.5 12.7

54 14.4 7.1 10.7#

68 7.3 3.8 5.8#

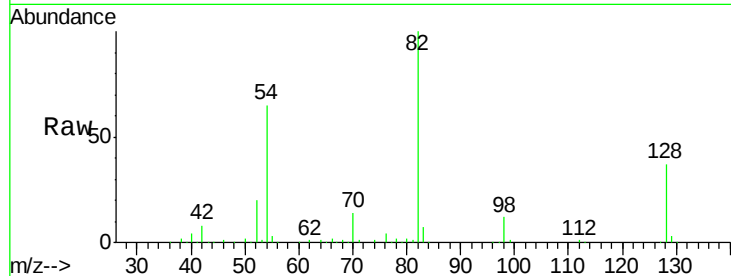




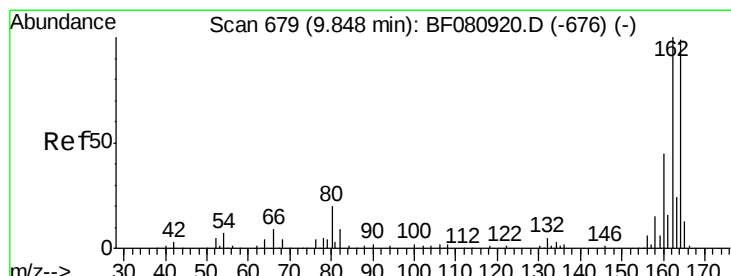
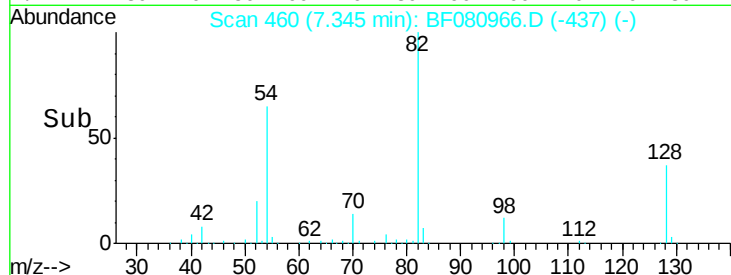
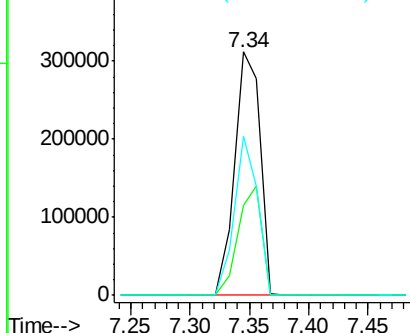
#23  
 Nitrobenzene-d5  
 Concen: 62.13 ng  
 RT: 7.34 min Scan# 460  
 Delta R.T. -0.03 min  
 Lab File: BF080966.D  
 Acq: 11 Aug 2015 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84929BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.9  | 34.1  | 51.1  |
| 54      | 65.2  | 46.5  | 69.7  |

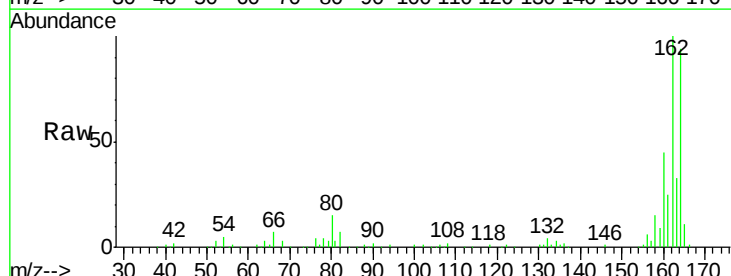


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

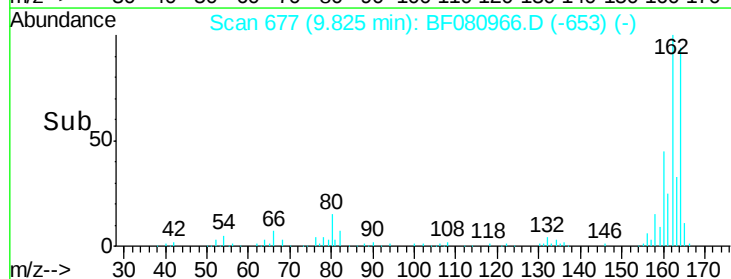
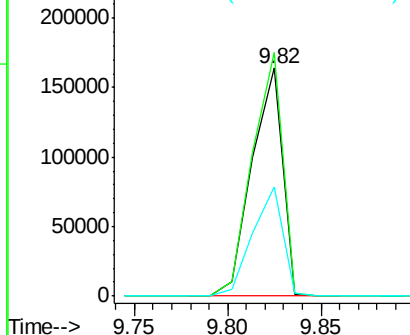


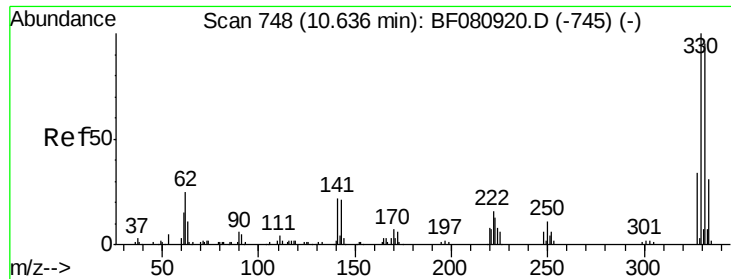
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.82 min Scan# 677  
 Delta R.T. -0.02 min  
 Lab File: BF080966.D  
 Acq: 11 Aug 2015 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.9 | 80.5  | 120.7 |
| 160     | 47.7  | 36.6  | 54.8  |



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

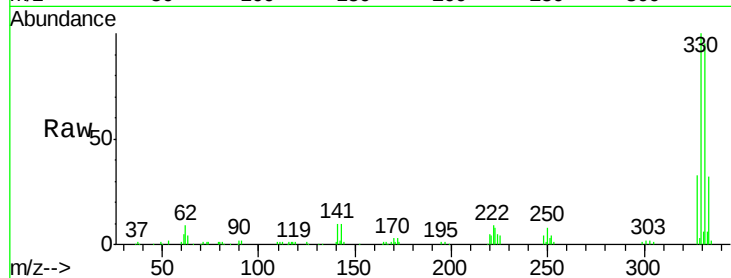




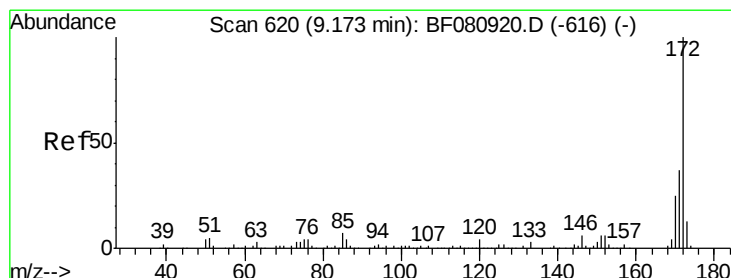
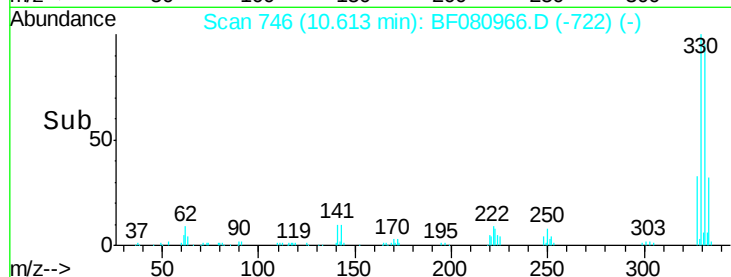
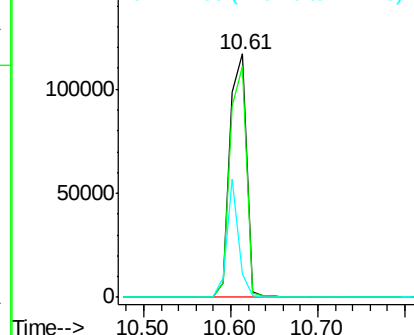
#41  
 2,4,6-Tribromophenol  
 Concen: 75.57 ng  
 RT: 10.61 min Scan# 746  
 Delta R.T. -0.02 min  
 Lab File: BF080966.D  
 Acq: 11 Aug 2015 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84929BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.2  | 76.2  | 114.4 |
| 141     | 34.4  | 27.8  | 41.8  |

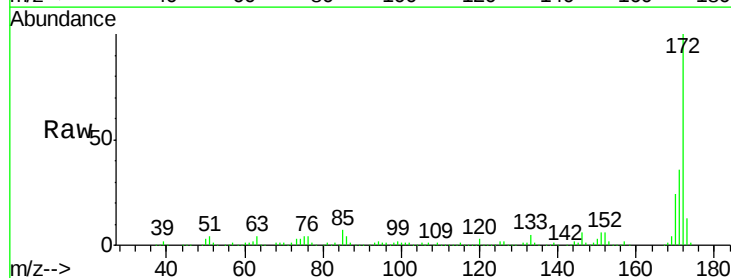


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

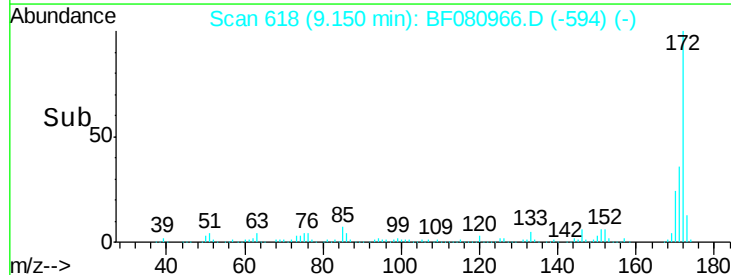
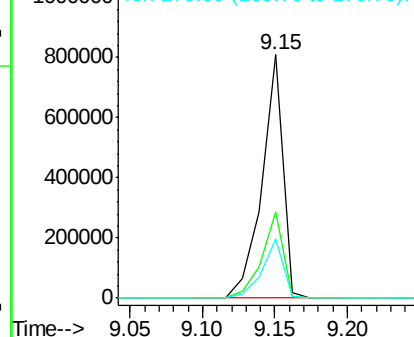


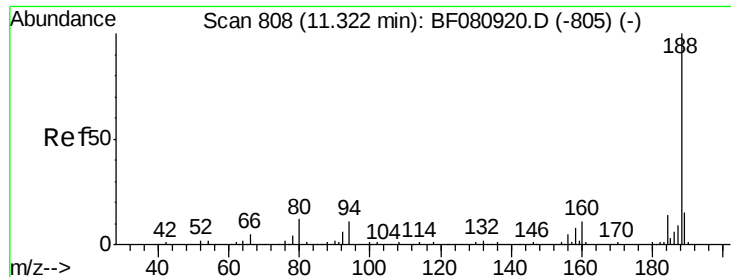
#44  
 2-Fluorobiphenyl  
 Concen: 60.45 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: BF080966.D  
 Acq: 11 Aug 2015 17:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.4  | 44.0  |
| 170     | 24.4  | 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

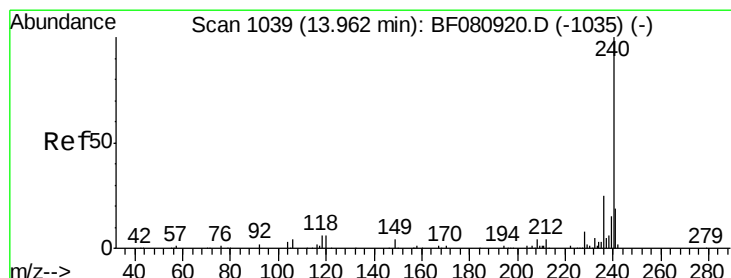
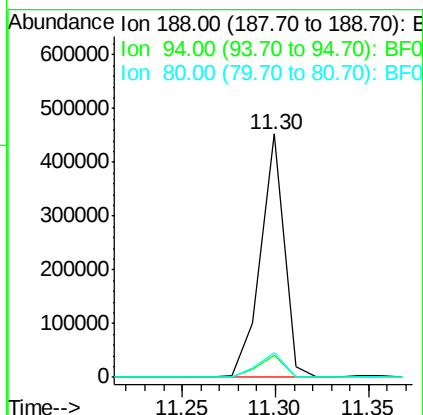
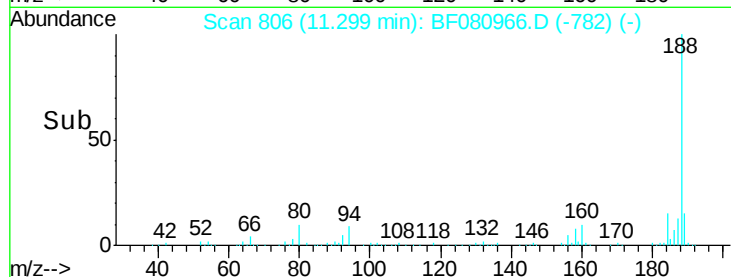
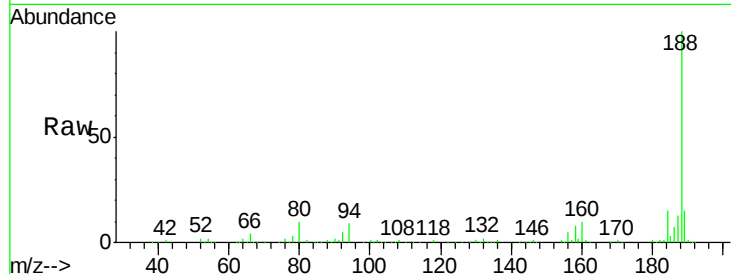




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 806  
Delta R.T. -0.02 min  
Lab File: BF080966.D  
Acq: 11 Aug 2015 17:31

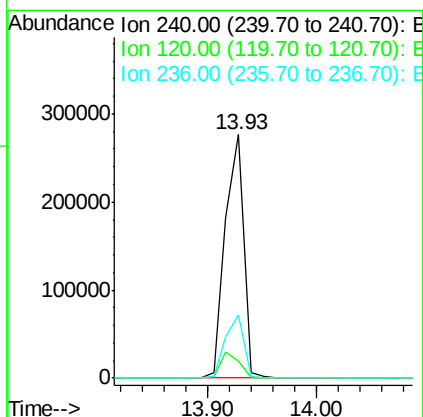
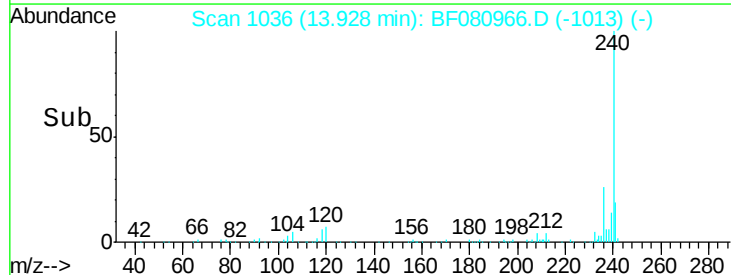
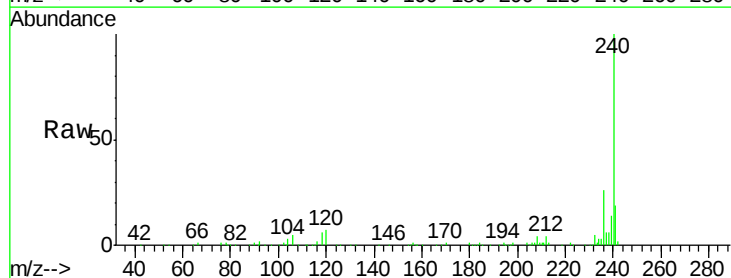
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BNA\_F  
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PB84929BL

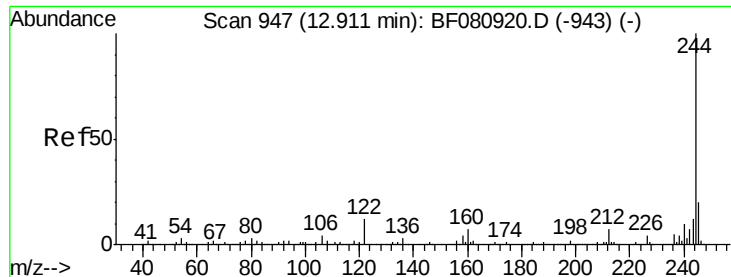
Tgt Ion:188 Resp: 398574  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.8 13.2  
80 10.0 9.5 14.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.93 min Scan# 1036  
Delta R.T. -0.03 min  
Lab File: BF080966.D  
Acq: 11 Aug 2015 17:31

Tgt Ion:240 Resp: 327658  
Ion Ratio Lower Upper  
240 100  
120 7.0 5.2 7.8  
236 26.0 20.2 30.4

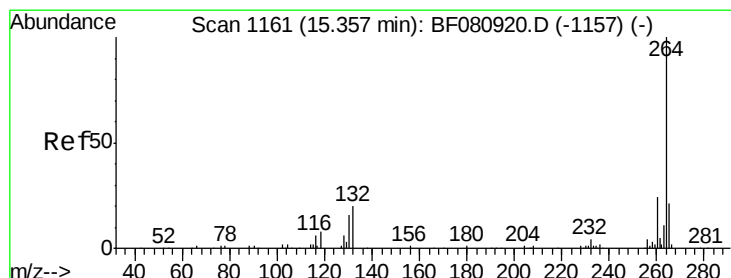
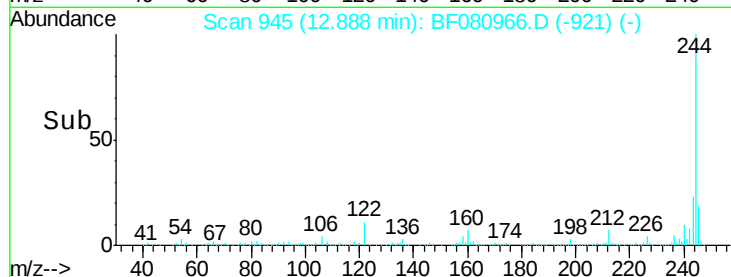
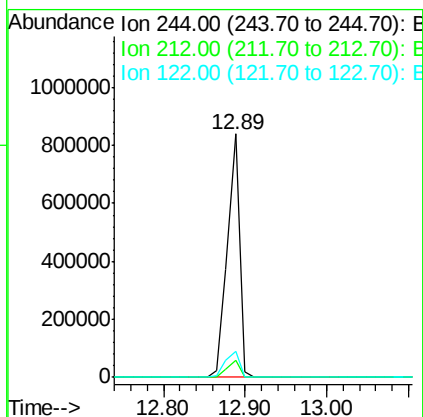
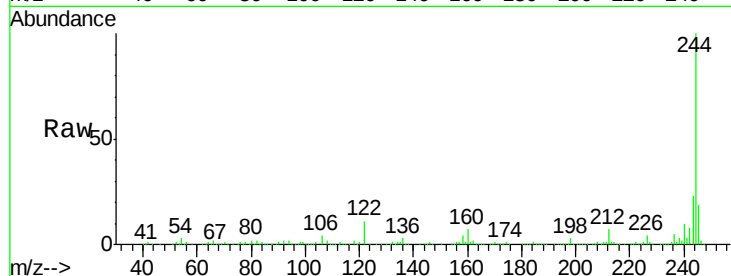




#78  
 Terphenyl-d14  
 Concen: 54.61 ng  
 RT: 12.89 min Scan# 945  
 Delta R.T. -0.02 min  
 Lab File: BF080966.D  
 Acq: 11 Aug 2015 17:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84929BL

Tgt Ion: 244 Resp: 866310  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.8  
 122 10.9 9.4 14.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.32 min Scan# 1158  
 Delta R.T. -0.03 min  
 Lab File: BF080966.D  
 Acq: 11 Aug 2015 17:31

Tgt Ion: 264 Resp: 256686  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.4 29.0  
 265 21.7 17.0 25.4

