

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\  
 Data File : BF080684.D  
 Acq On : 27 Jul 2015 22:06  
 Operator : TP/UM  
 Sample : PB84679BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84679BL

Quant Time: Jul 28 07:42:26 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 28 07:40:31 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 34628    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.21  | 136  | 112832   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.96  | 164  | 46430    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.45 | 188  | 62464    | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.17 | 240  | 23378    | 20.00 | ng    | -0.08    |
| 86) Perylene-d12            | 15.75 | 264  | 13699    | 20.00 | ng    | -0.17    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 170167   | 76.86 | ng    | 0.00     |
| 7) Phenol-d6                | 6.53  | 99   | 205087   | 87.45 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 194627   | 88.32 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 24741    | 60.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 314673   | 84.82 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.05 | 244  | 126463   | 92.12 | ng    | -0.02    |

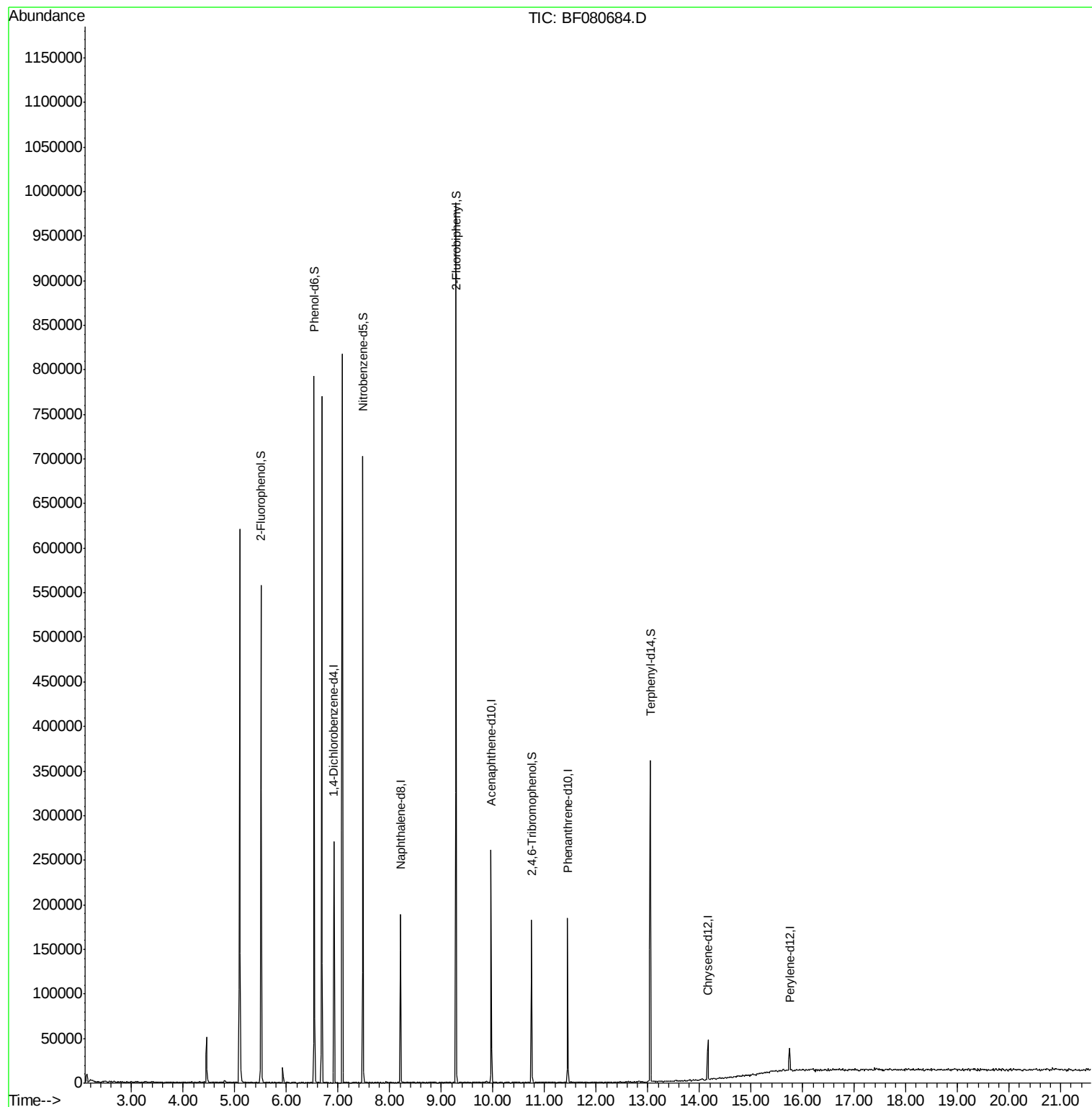
Target Compounds Qvalue

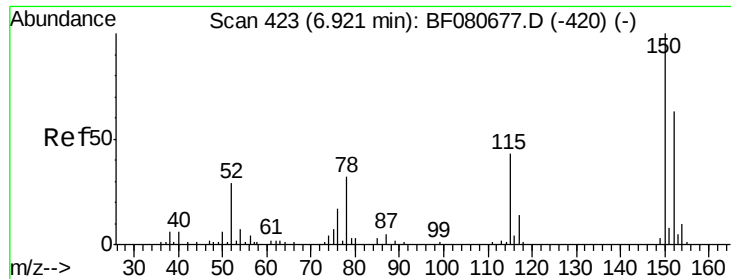
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 28 07:40:31 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF080684.D

Acq: 27 Jul 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

PB84679BL

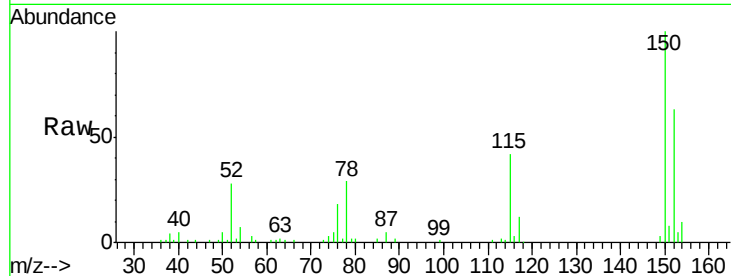
Tot Ion:152 Resp: 34628

Ion Ratio Lower Upper

152 100

150 159.3 127.7 191.5

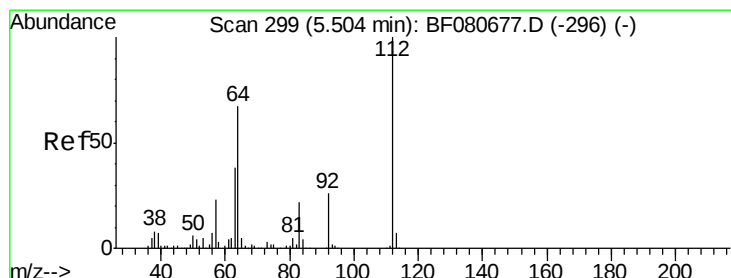
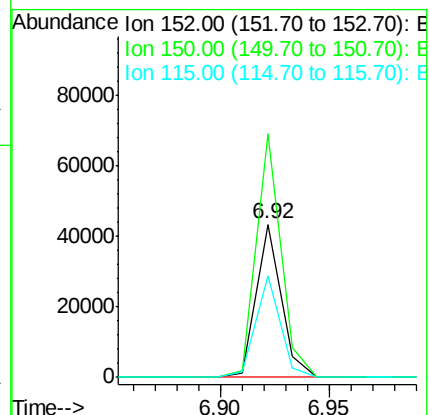
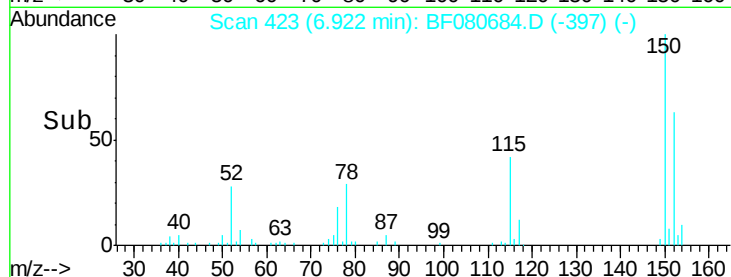
115 66.3 54.2 81.4



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: 76.86 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.00 min

Lab File: BF080684.D

Acq: 27 Jul 2015 22:06

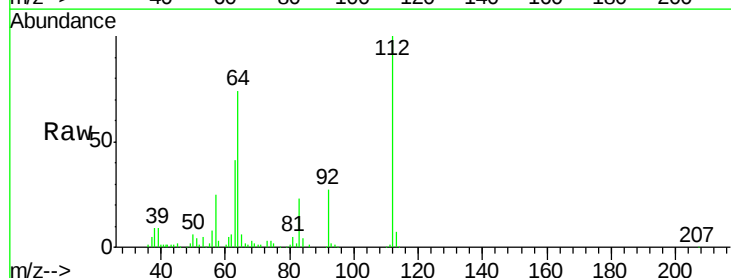
Tgt Ion:112 Resp: 170167

Ion Ratio Lower Upper

112 100

64 73.6 53.2 79.8

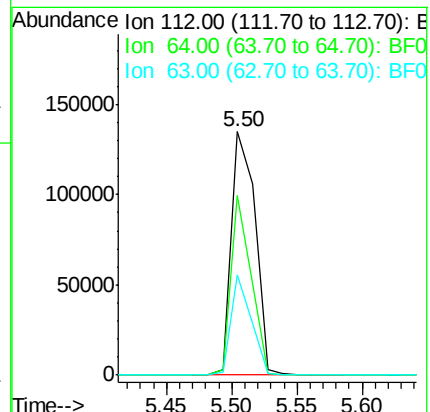
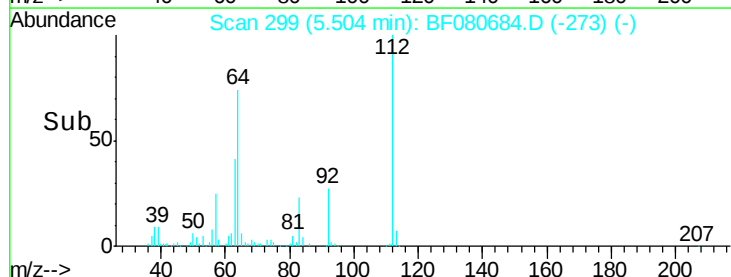
63 41.0 30.4 45.6

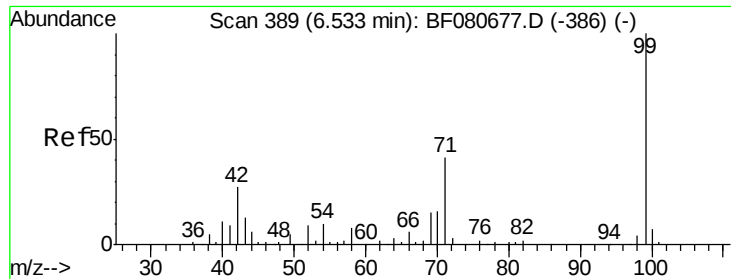


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 87.45 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF080684.D

Acq: 27 Jul 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

PB84679BL

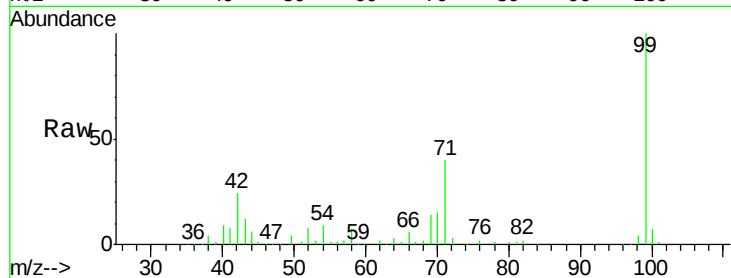
Tot Ion: 99 Resp: 205087

Ion Ratio Lower Upper

99 100

42 24.5 21.8 32.8

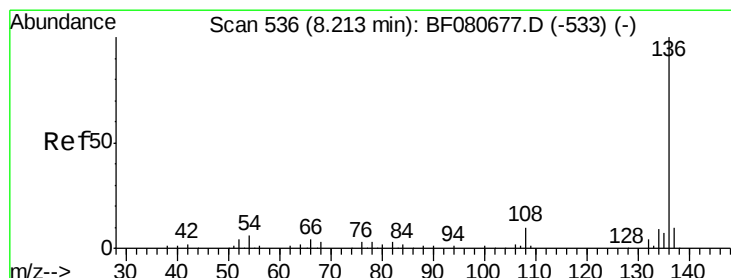
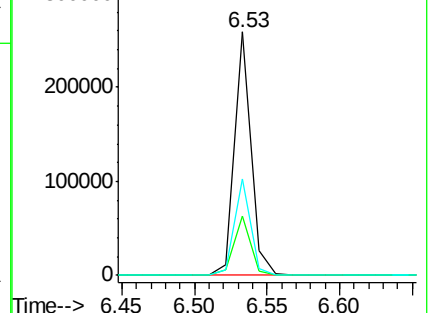
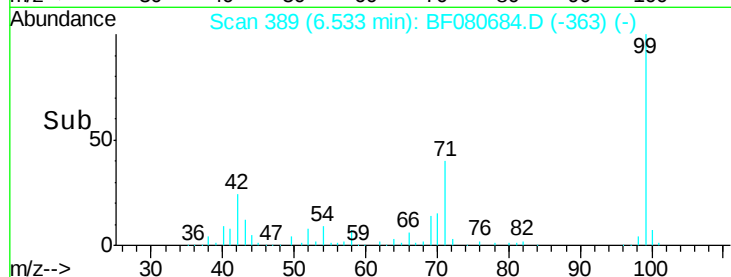
71 39.8 32.9 49.3



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: 8.21 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF080684.D

Acq: 27 Jul 2015 22:06

Tgt Ion: 136 Resp: 112832

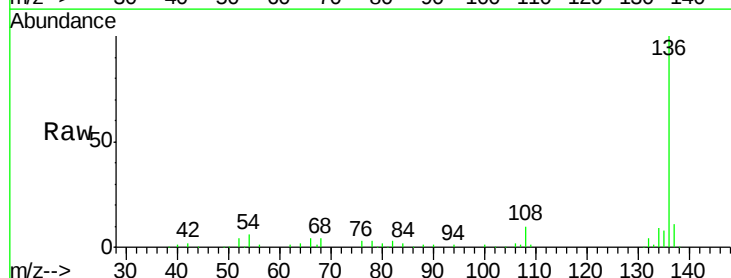
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.2

54 5.6 5.0 7.4

68 3.8 2.7 4.1

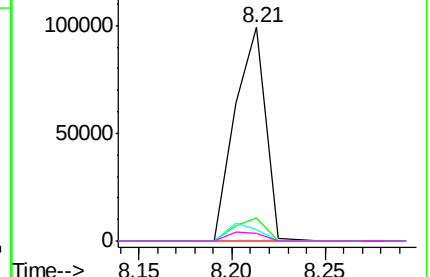
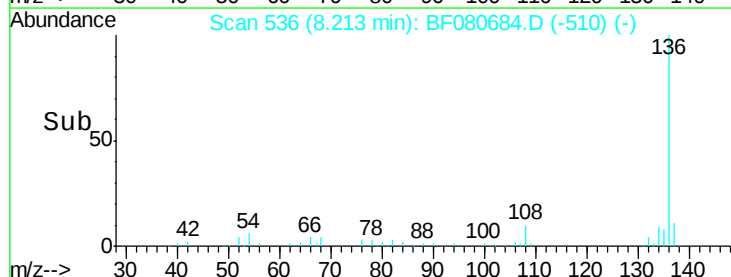


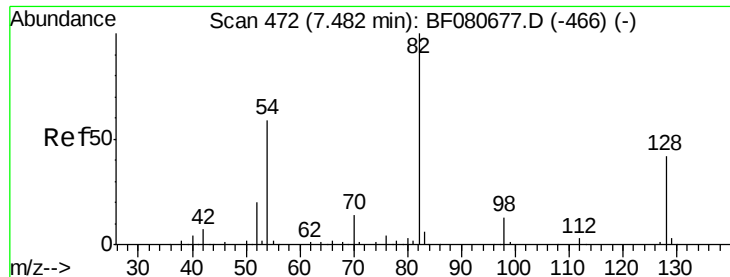
Abundance Ion 136.00 (135.70 to 136.70): E

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

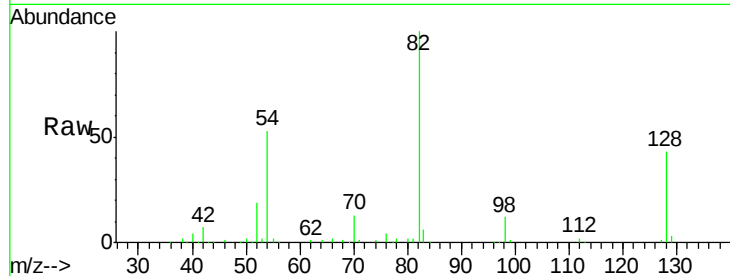




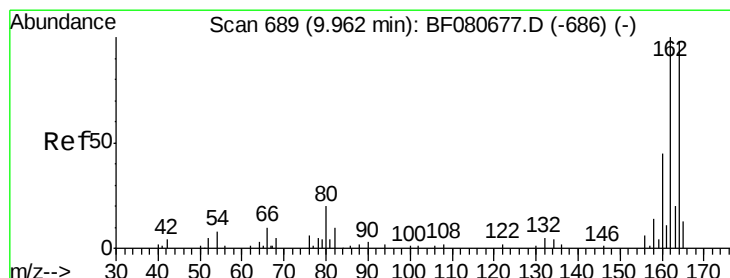
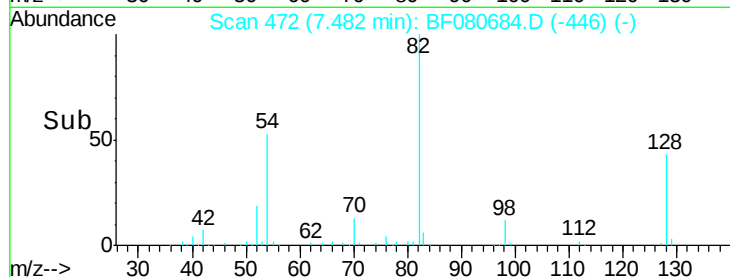
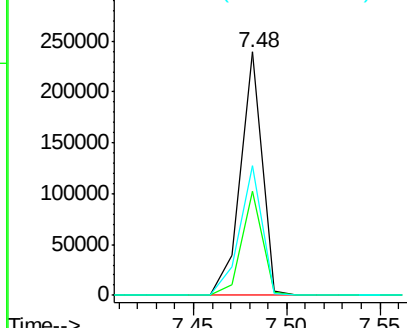
#23  
 Nitrobenzene-d5  
 Concen: 88.32 ng  
 RT: 7.48 min Scan# 472  
 Delta R.T. 0.00 min  
 Lab File: BF080684.D  
 Acq: 27 Jul 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84679BL

| Tot Ion   | 82   | Resp  | 194627 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.8 | 33.7  | 50.5   |
| 54        | 53.5 | 47.3  | 70.9   |

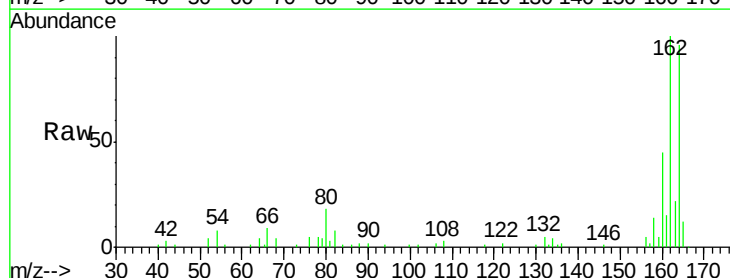


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

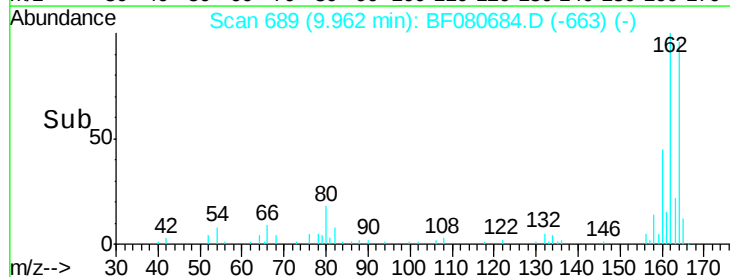
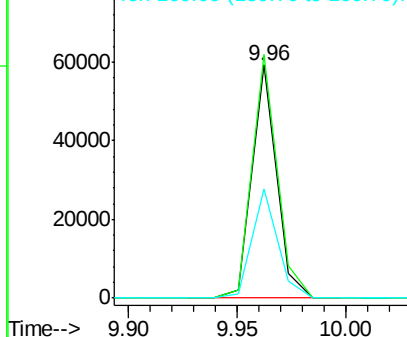


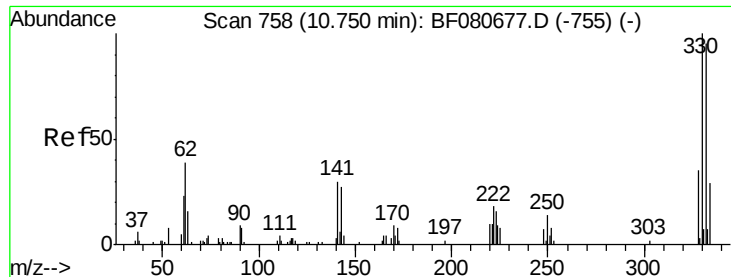
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: BF080684.D  
 Acq: 27 Jul 2015 22:06

| Tgt Ion   | 164   | Resp  | 46430 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 104.5 | 82.0  | 123.0 |
| 160       | 46.9  | 36.7  | 55.1  |



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

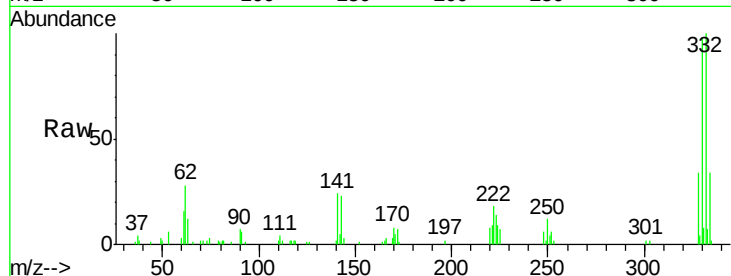




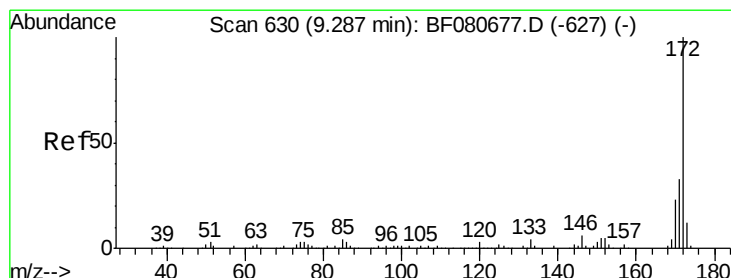
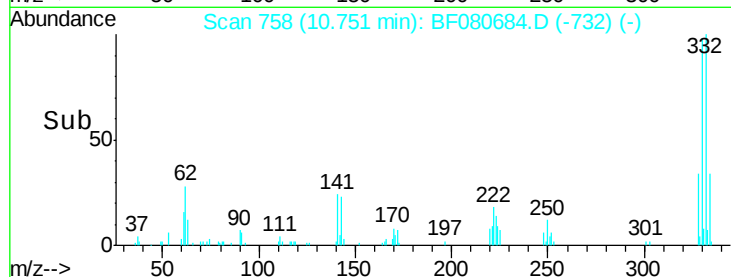
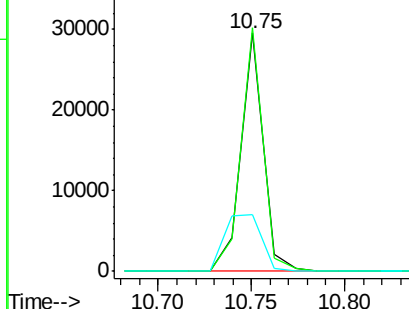
#41  
 2,4,6-Tribromophenol  
 Concen: 60.26 ng  
 RT: 10.75 min Scan# 758  
 Delta R.T. 0.00 min  
 Lab File: BF080684.D  
 Acq: 27 Jul 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84679BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 100.8 | 76.9  | 115.3 |
| 141     | 39.6  | 30.6  | 45.8  |

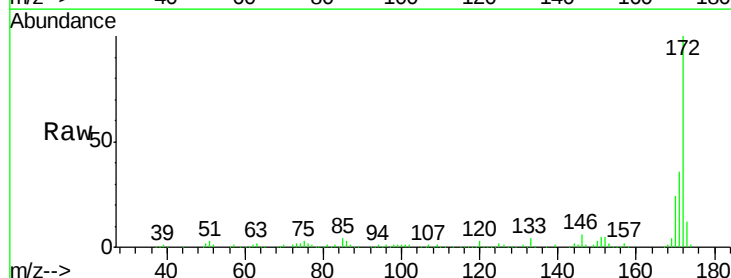


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

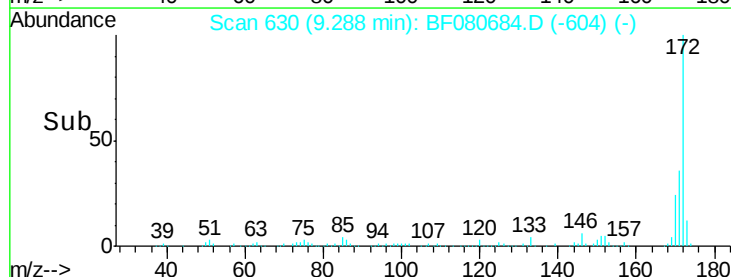
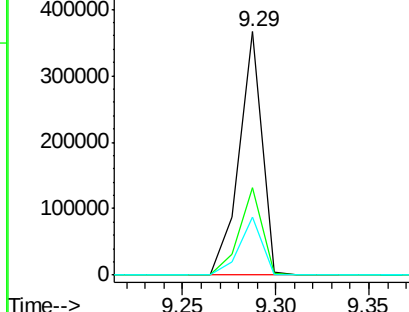


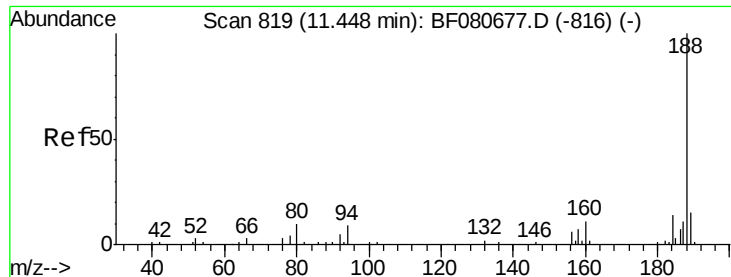
#44  
 2-Fluorobiphenyl  
 Concen: 84.82 ng  
 RT: 9.29 min Scan# 630  
 Delta R.T. 0.00 min  
 Lab File: BF080684.D  
 Acq: 27 Jul 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 26.6  | 39.8  |
| 170     | 24.1  | 18.6  | 28.0  |



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

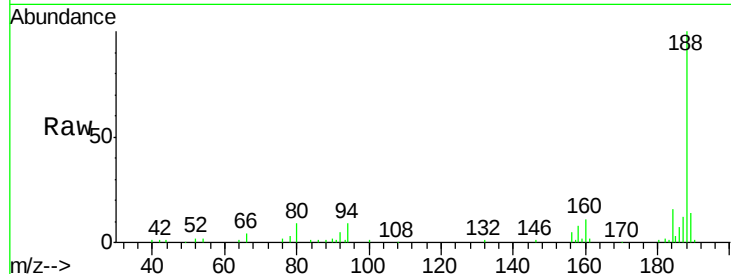




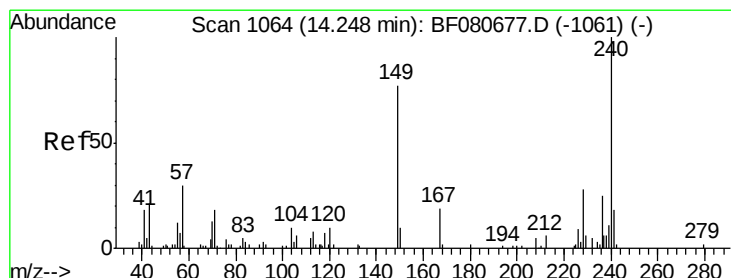
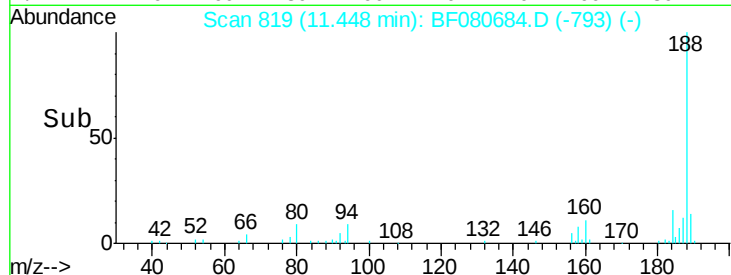
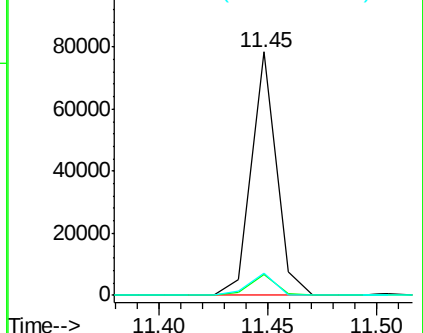
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.45 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: BF080684.D  
Acq: 27 Jul 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PB84679BL

Tot Ion:188 Resp: 62464  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.2 10.8  
80 9.1 8.2 12.2

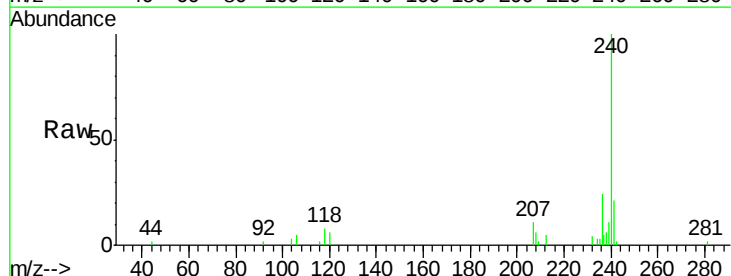


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

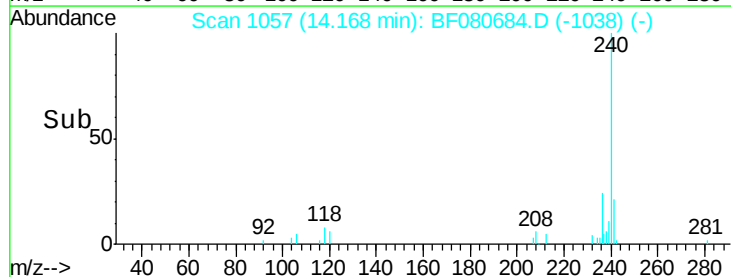
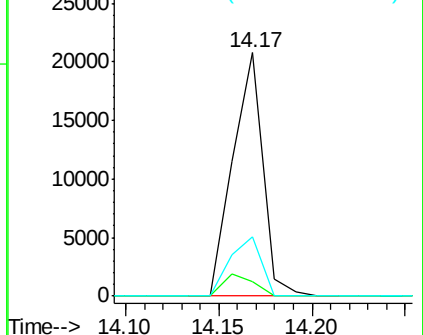


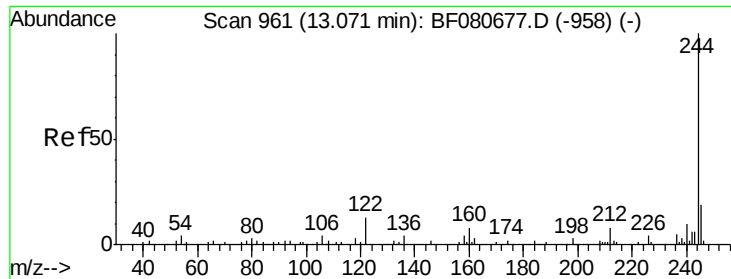
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.17 min Scan# 1057  
Delta R.T. -0.08 min  
Lab File: BF080684.D  
Acq: 27 Jul 2015 22:06

Tgt Ion:240 Resp: 23378  
Ion Ratio Lower Upper  
240 100  
120 6.2 8.0 12.0#  
236 24.3 20.0 30.0



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

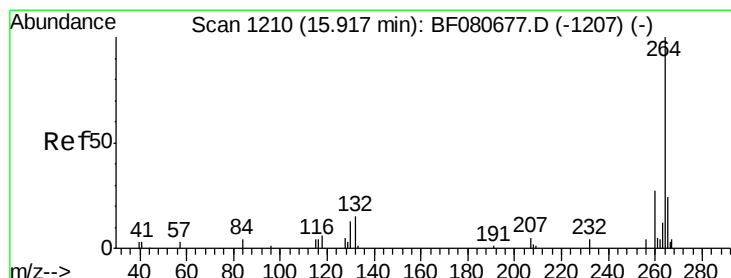
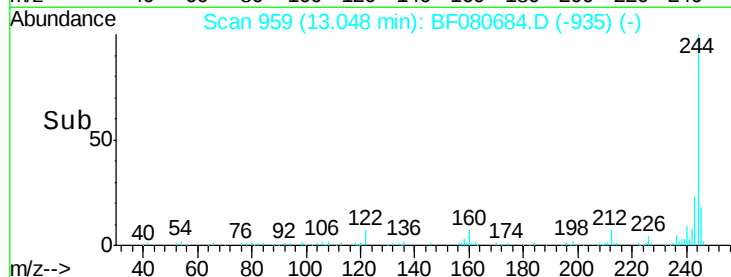
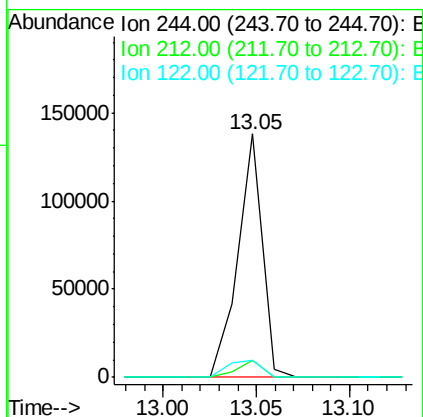
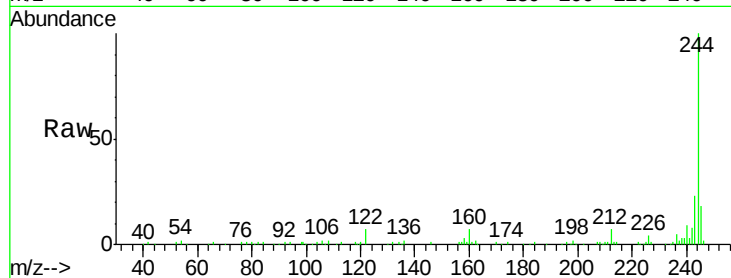




#78  
 Terphenyl-d14  
 Concen: 92.12 ng  
 RT: 13.05 min Scan# 959  
 Delta R.T. -0.02 min  
 Lab File: BF080684.D  
 Acq: 27 Jul 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84679BL

Tot Ion:244 Resp: 126463  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.1 9.1  
 122 7.1 10.2 15.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.75 min Scan# 1195  
 Delta R.T. -0.17 min  
 Lab File: BF080684.D  
 Acq: 27 Jul 2015 22:06

Tgt Ion:264 Resp: 13699  
 Ion Ratio Lower Upper  
 264 100  
 260 25.3 21.6 32.4  
 265 23.1 19.3 28.9

