

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\  
 Data File : BF084866.D  
 Acq On : 5 Feb 2016 18:15  
 Operator : SJ/IZ  
 Sample : H1311-13  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B006(35-37)

Quant Time: Feb 05 22:54:59 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

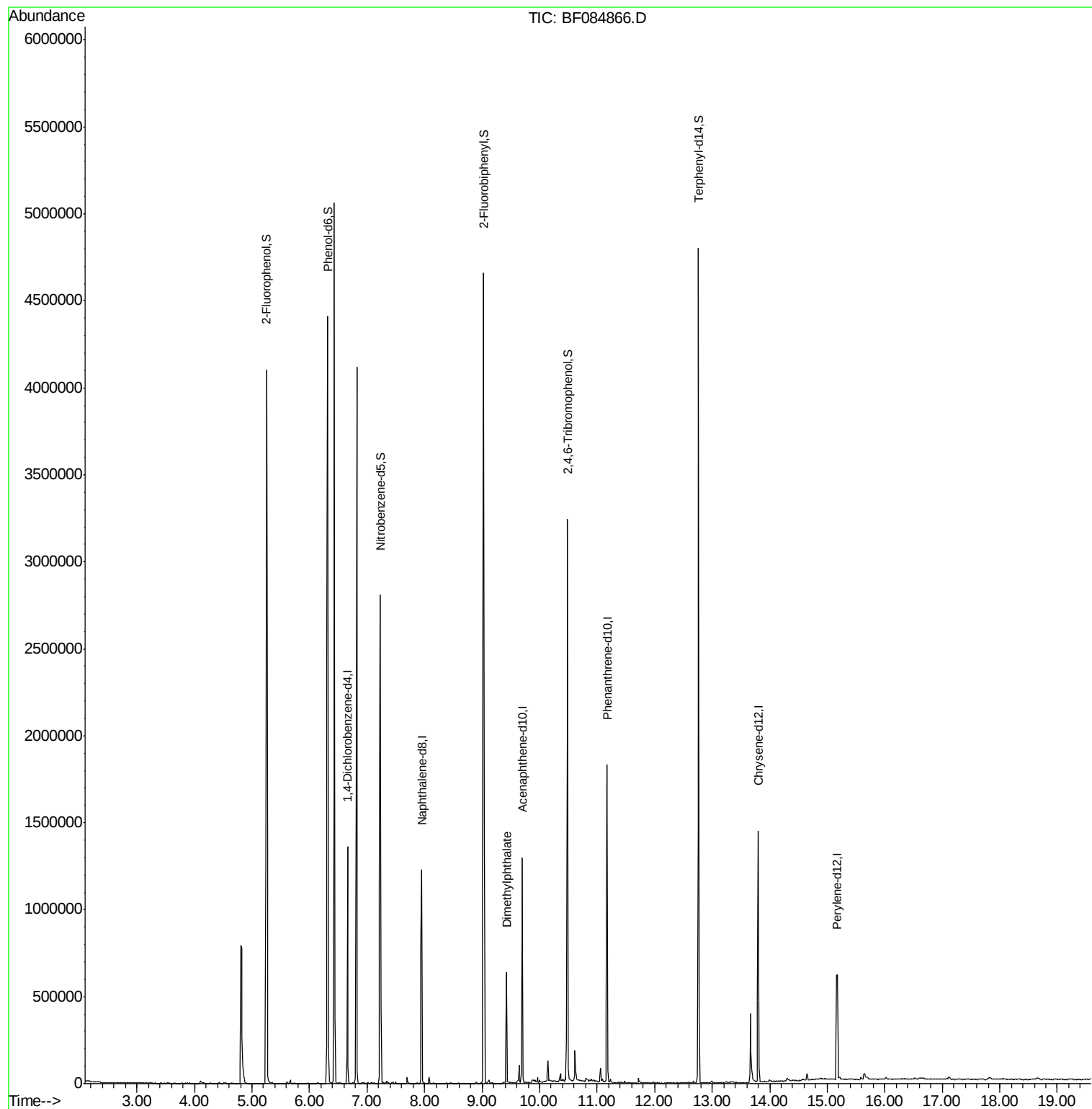
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.66  | 152  | 178090   | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 7.95  | 136  | 701549   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 9.70  | 164  | 326813   | 20.00  | ng    | -0.03          |
| 63) Phenanthrene-d10        | 11.17 | 188  | 626811   | 20.00  | ng    | -0.03          |
| 75) Chrysene-d12            | 13.80 | 240  | 518324   | 20.00  | ng    | -0.03          |
| 86) Perylene-d12            | 15.17 | 264  | 347324   | 20.00  | ng    | -0.03          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.25  | 112  | 1347030  | 117.81 | ng    | -0.02          |
| 7) Phenol-d6                | 6.32  | 99   | 1673666  | 118.08 | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 1013926  | 81.42  | ng    | -0.03          |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 468612   | 137.47 | ng    | -0.03          |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 1663802  | 86.10  | ng    | -0.03          |
| 78) Terphenyl-d14           | 12.76 | 244  | 1467930  | 64.18  | ng    | -0.03          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.42  | 163  | 230324   | 9.25   | ng    | Qvalue<br># 91 |

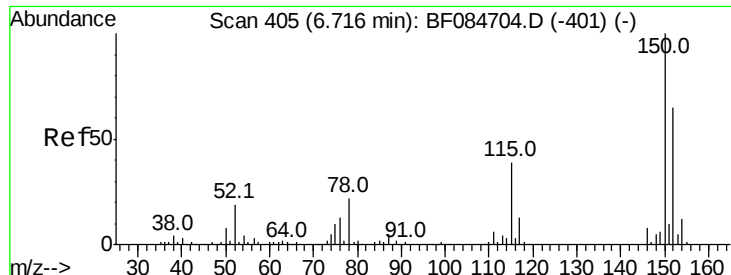
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B006(35-37)

Quant Time: Feb 05 22:54:59 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 03 14:16:01 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084866.D

Acq: 5 Feb 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

SUP-B006(35-37)

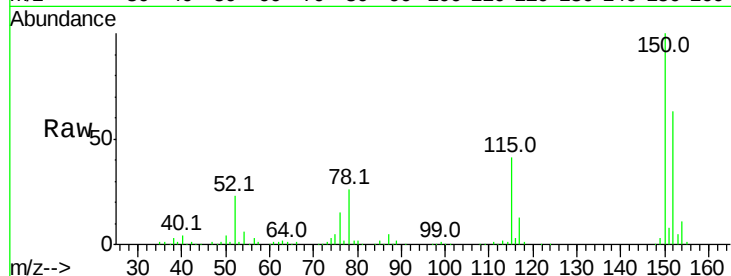
Tot Ion:152 Resp: 178090

Ion Ratio Lower Upper

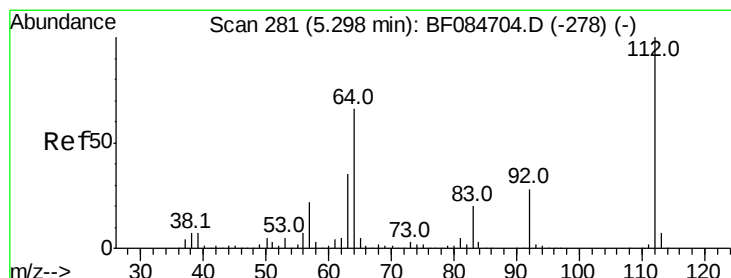
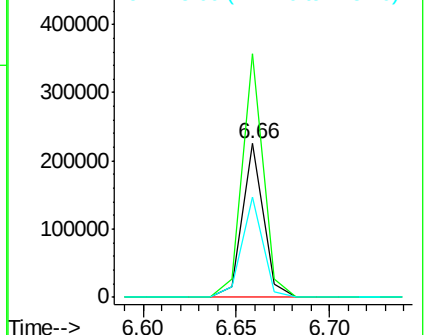
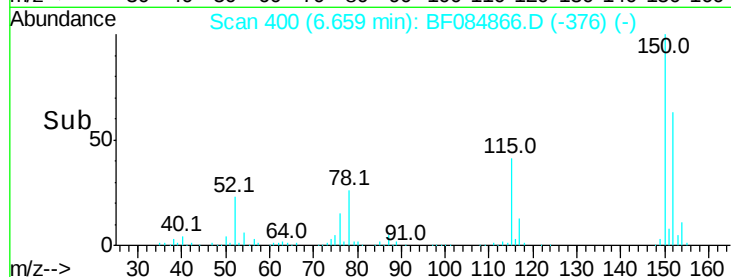
152 100

150 158.6 123.0 184.4

115 65.7 51.4 77.2



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: 117.81 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084866.D

Acq: 5 Feb 2016 18:15

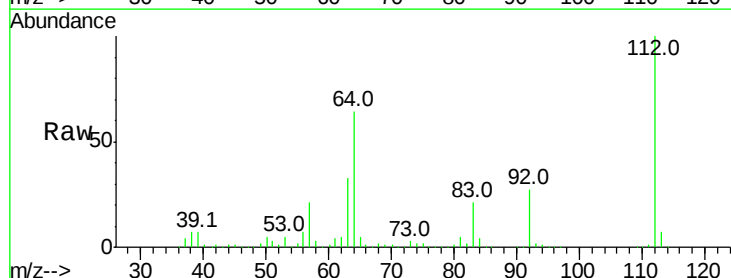
Tgt Ion:112 Resp: 1347030

Ion Ratio Lower Upper

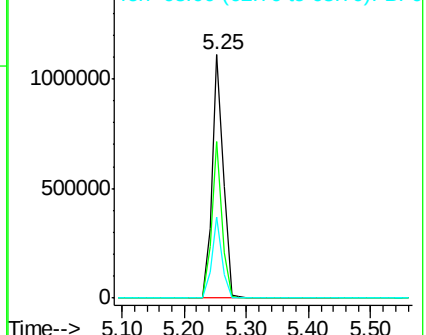
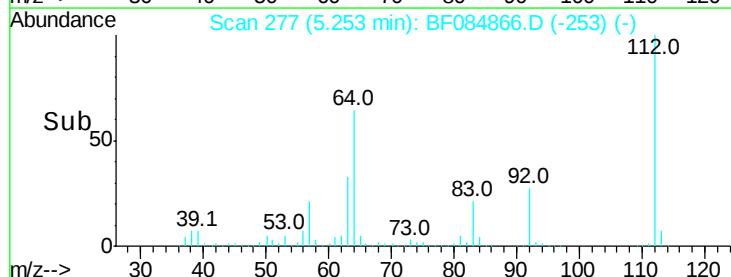
112 100

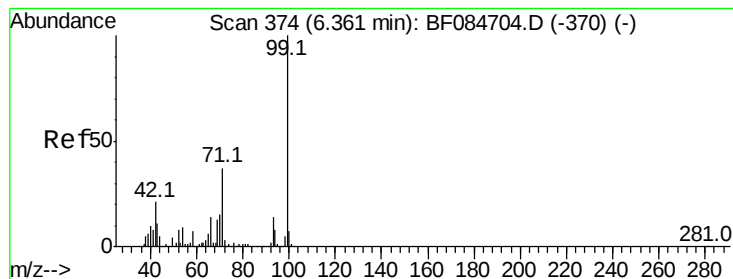
64 64.2 36.6 55.0#

63 33.3 19.4 29.0#



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: 118.08 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084866.D

Acq: 5 Feb 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

SUP-B006(35-37)

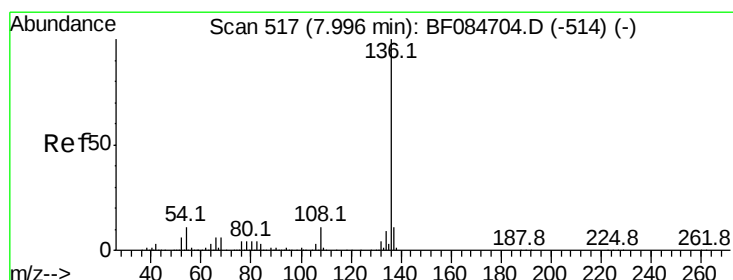
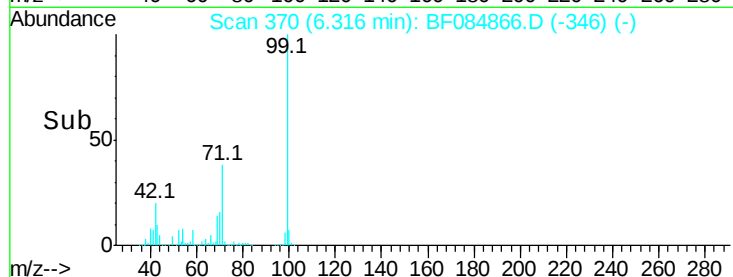
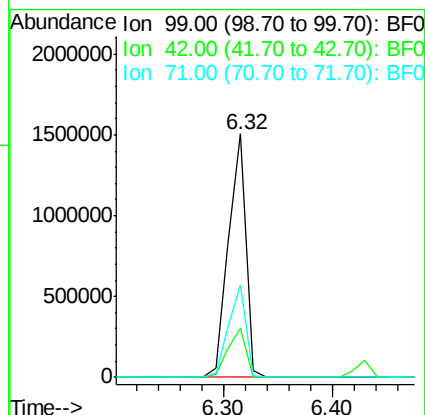
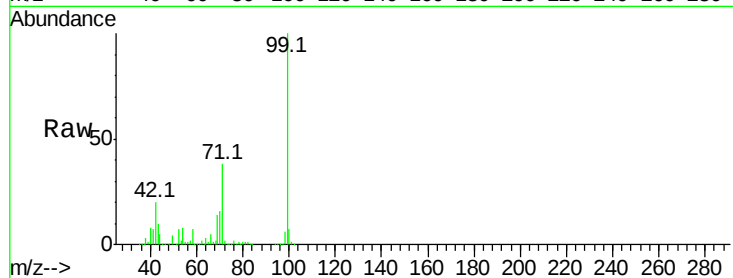
Tot Ion: 99 Resp: 1673666

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

71 37.9 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084866.D

Acq: 5 Feb 2016 18:15

Tgt Ion: 136 Resp: 701549

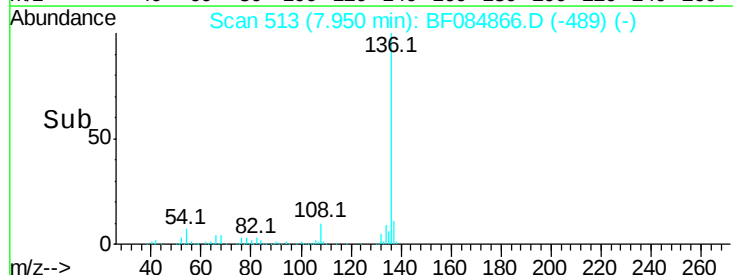
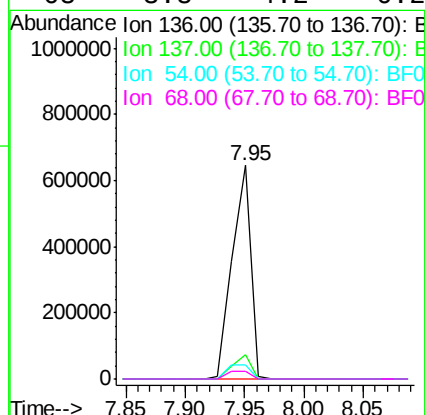
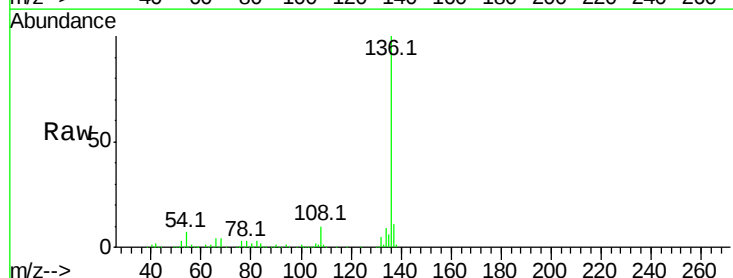
Ion Ratio Lower Upper

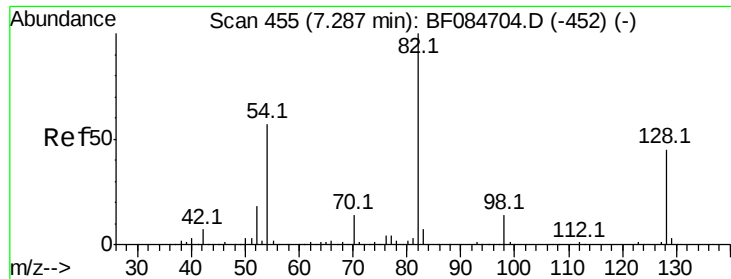
136 100

137 11.1 8.7 13.1

54 6.5 5.8 8.8

68 3.8 4.2 6.2#



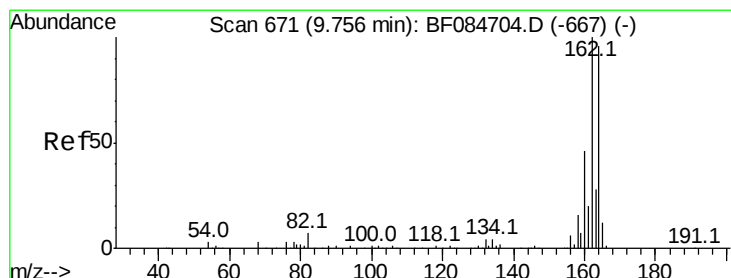
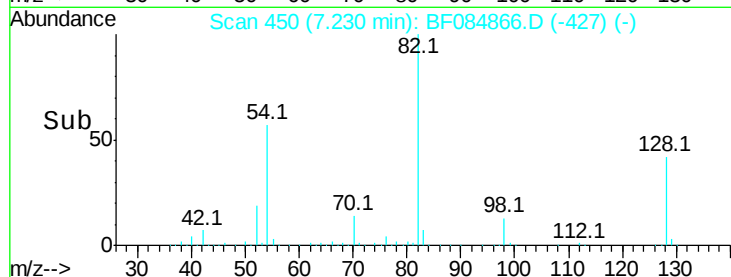
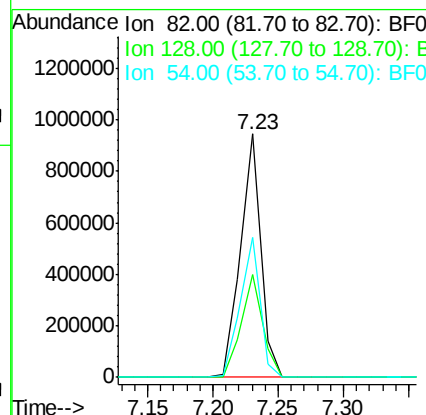
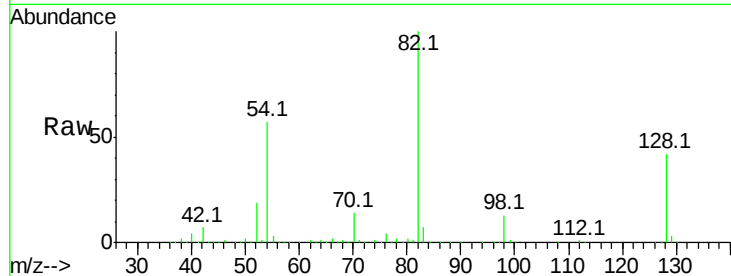


#23  
 Nitrobenzene-d5  
 Concen: 81.42 ng  
 RT: 7.23 min Scan# 450  
 Delta R.T. -0.03 min  
 Lab File: BF084866.D  
 Acq: 5 Feb 2016 18:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B006(35-37)

Tot Ion: 82 Resp: 1013926  

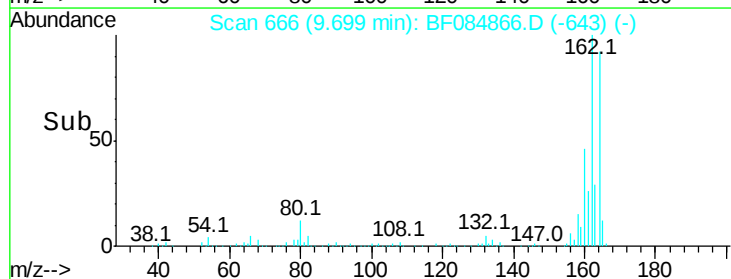
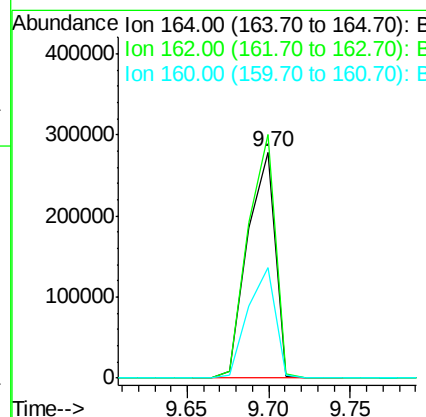
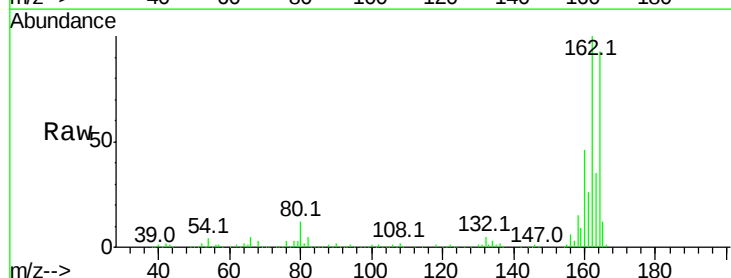
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.3  | 34.6  | 51.8  |
| 54  | 57.3  | 38.4  | 57.6  |

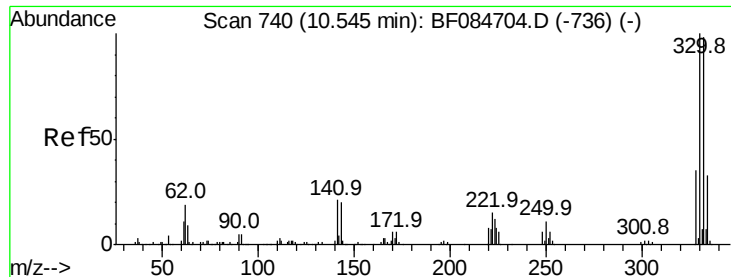


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.70 min Scan# 666  
 Delta R.T. -0.03 min  
 Lab File: BF084866.D  
 Acq: 5 Feb 2016 18:15

Tgt Ion:164 Resp: 326813  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 107.6 | 85.1  | 127.7 |
| 160 | 49.0  | 37.5  | 56.3  |

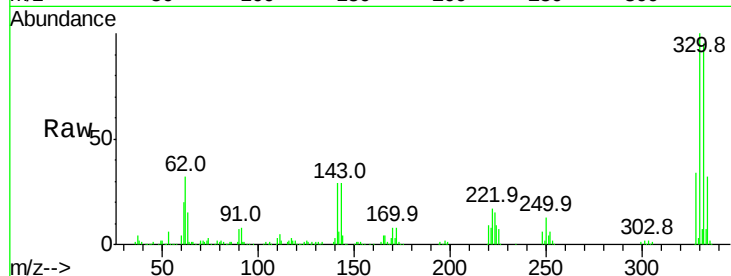




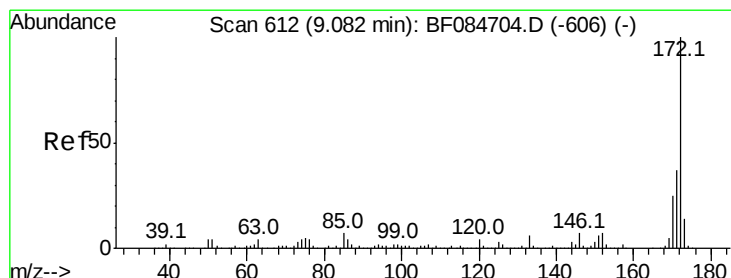
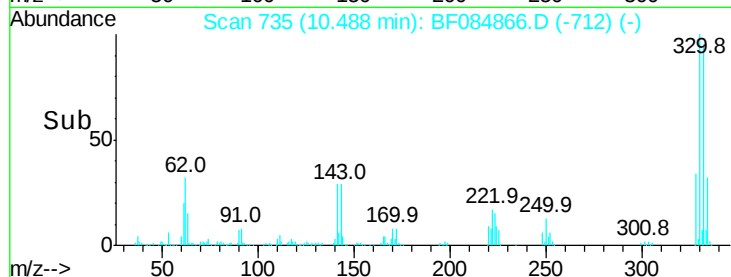
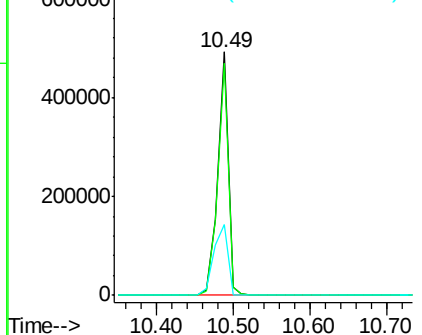
#41  
 2,4,6-Tribromophenol  
 Concen: 137.47 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.03 min  
 Lab File: BF084866.D  
 Acq: 5 Feb 2016 18:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B006(35-37)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 76.6  | 114.8 |
| 141     | 38.6  | 27.8  | 41.6  |

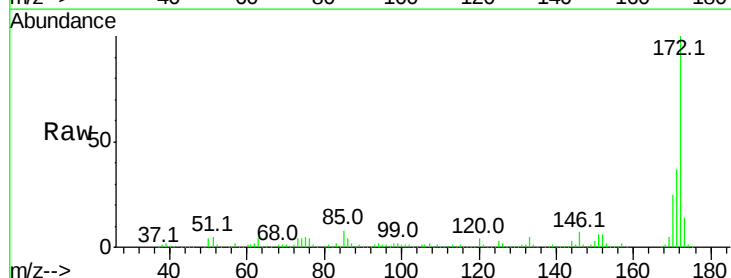


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

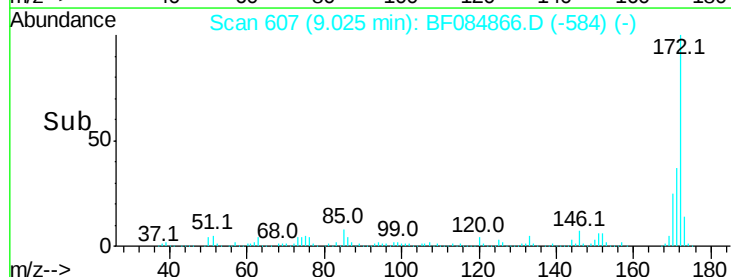
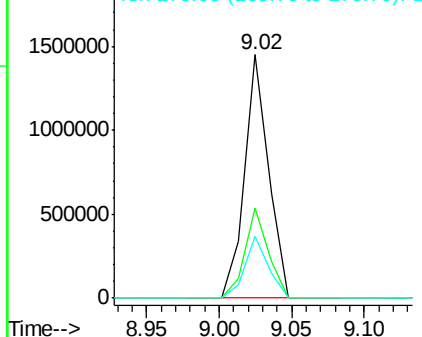


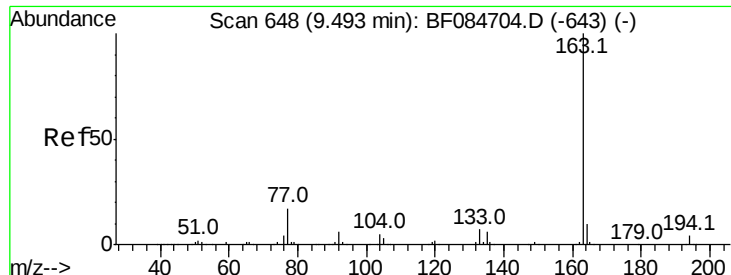
#44  
 2-Fluorobiphenyl  
 Concen: 86.10 ng  
 RT: 9.02 min Scan# 607  
 Delta R.T. -0.03 min  
 Lab File: BF084866.D  
 Acq: 5 Feb 2016 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 28.9  | 43.3  |
| 170     | 25.2  | 18.6  | 27.8  |



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

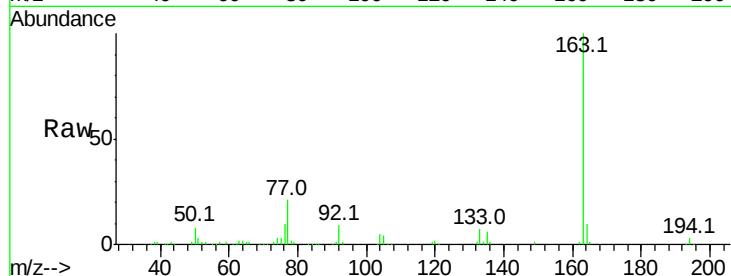




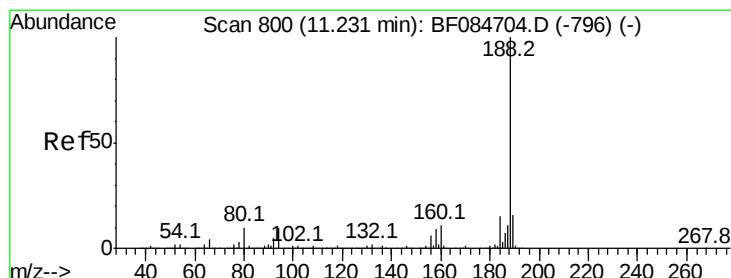
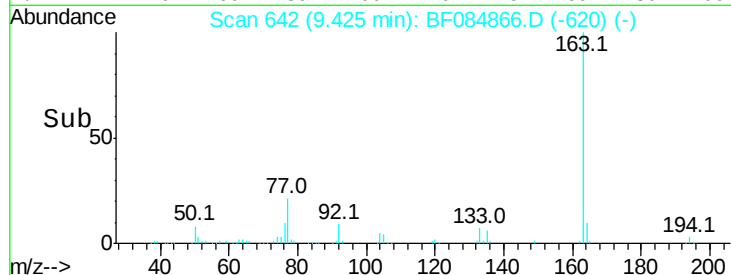
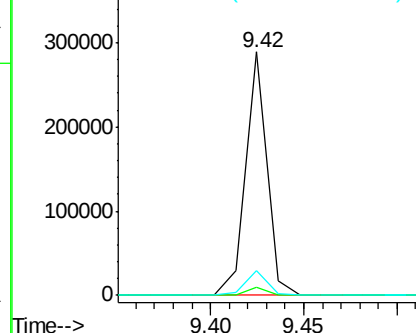
#49  
Dimethylphthalate  
Concen: 9.25 ng  
RT: 9.42 min Scan# 642  
Delta R.T. -0.05 min  
Lab File: BF084866.D  
Acq: 5 Feb 2016 18:15

Instrument :  
BNA\_F  
ClientSampleId :  
SUP-B006(35-37)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.2   | 8.0   | 12.0# |
| 164     | 10.0  | 8.0   | 12.0  |

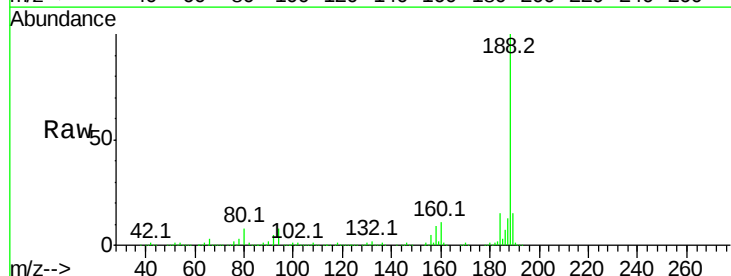


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

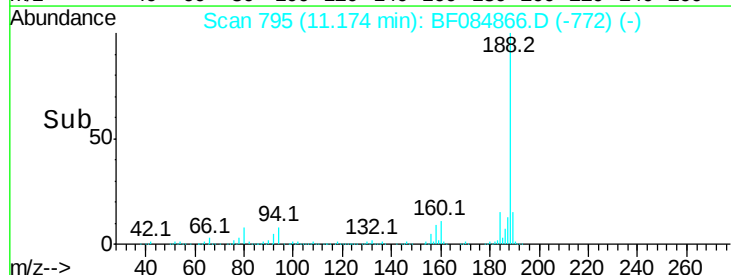
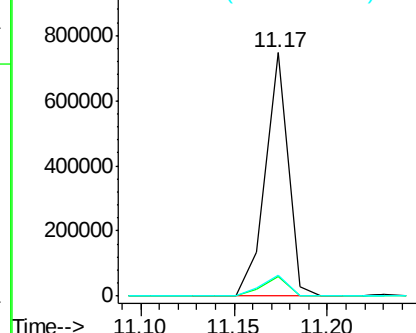


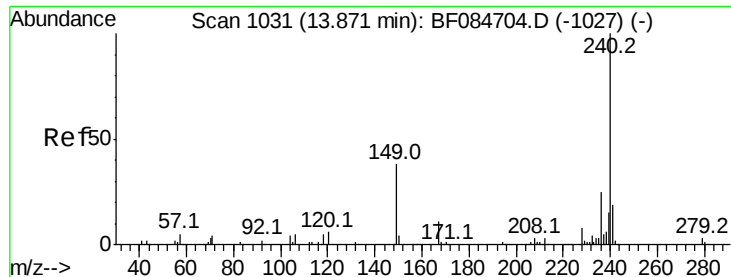
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.17 min Scan# 795  
Delta R.T. -0.03 min  
Lab File: BF084866.D  
Acq: 5 Feb 2016 18:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 9.0   | 13.4# |
| 80      | 8.4   | 9.6   | 14.4# |



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: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084866.D

Acq: 5 Feb 2016 18:15

Instrument :

BNA\_F

ClientSampleId :

SUP-B006(35-37)

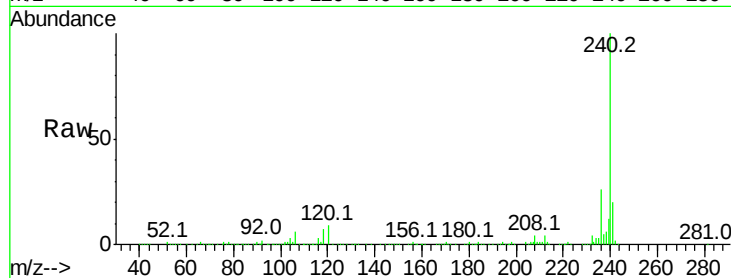
Tot Ion:240 Resp: 518324

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

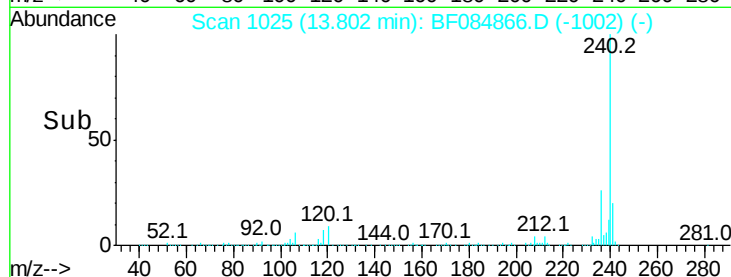
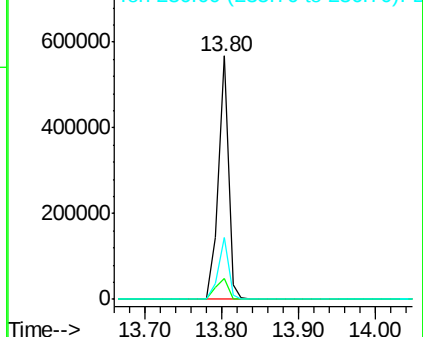
236 25.6 20.6 31.0



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: 64.18 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084866.D

Acq: 5 Feb 2016 18:15

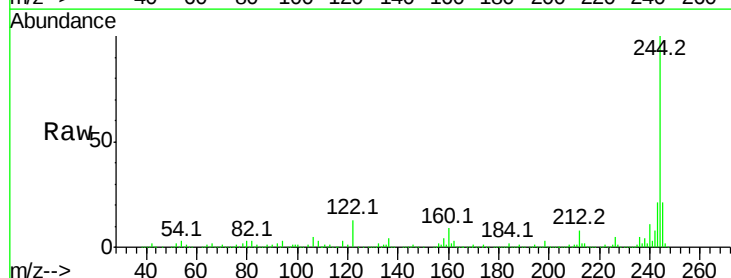
Tgt Ion:244 Resp: 1467930

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

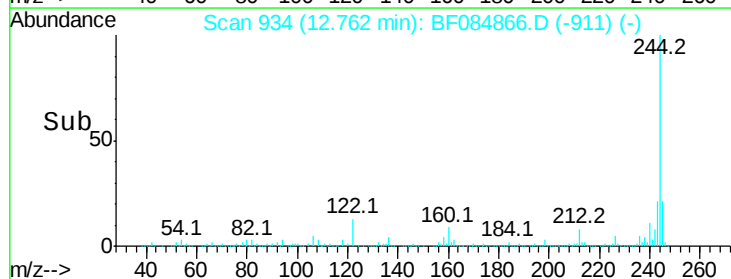
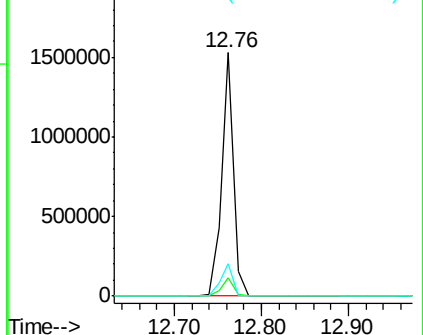
122 13.4 7.4 11.0#

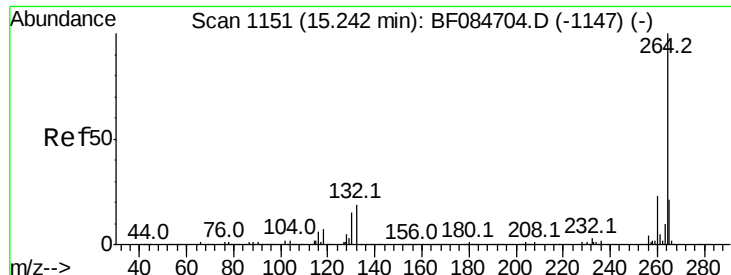


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

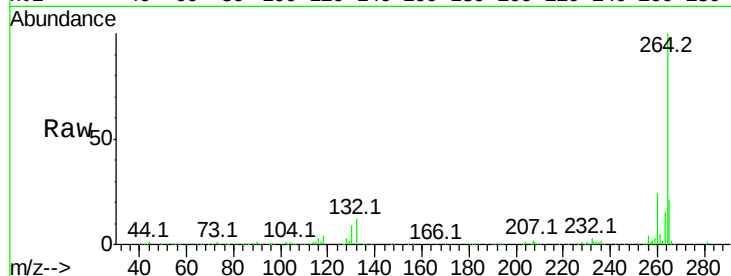




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.17 min Scan# 1145  
 Delta R.T. -0.03 min  
 Lab File: BF084866.D  
 Acq: 5 Feb 2016 18:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUP-B006(35-37)

Tot Ion:264 Resp: 347324  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.4 29.2  
 265 21.5 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

