

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\  
 Data File : BF088162.D  
 Acq On : 19 Jun 2016 5:14  
 Operator : UM/SJ  
 Sample : H3628-06  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-12

Quant Time: Jun 20 06:53:57 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 17 16:09:13 2016  
 Response via : Initial Calibration

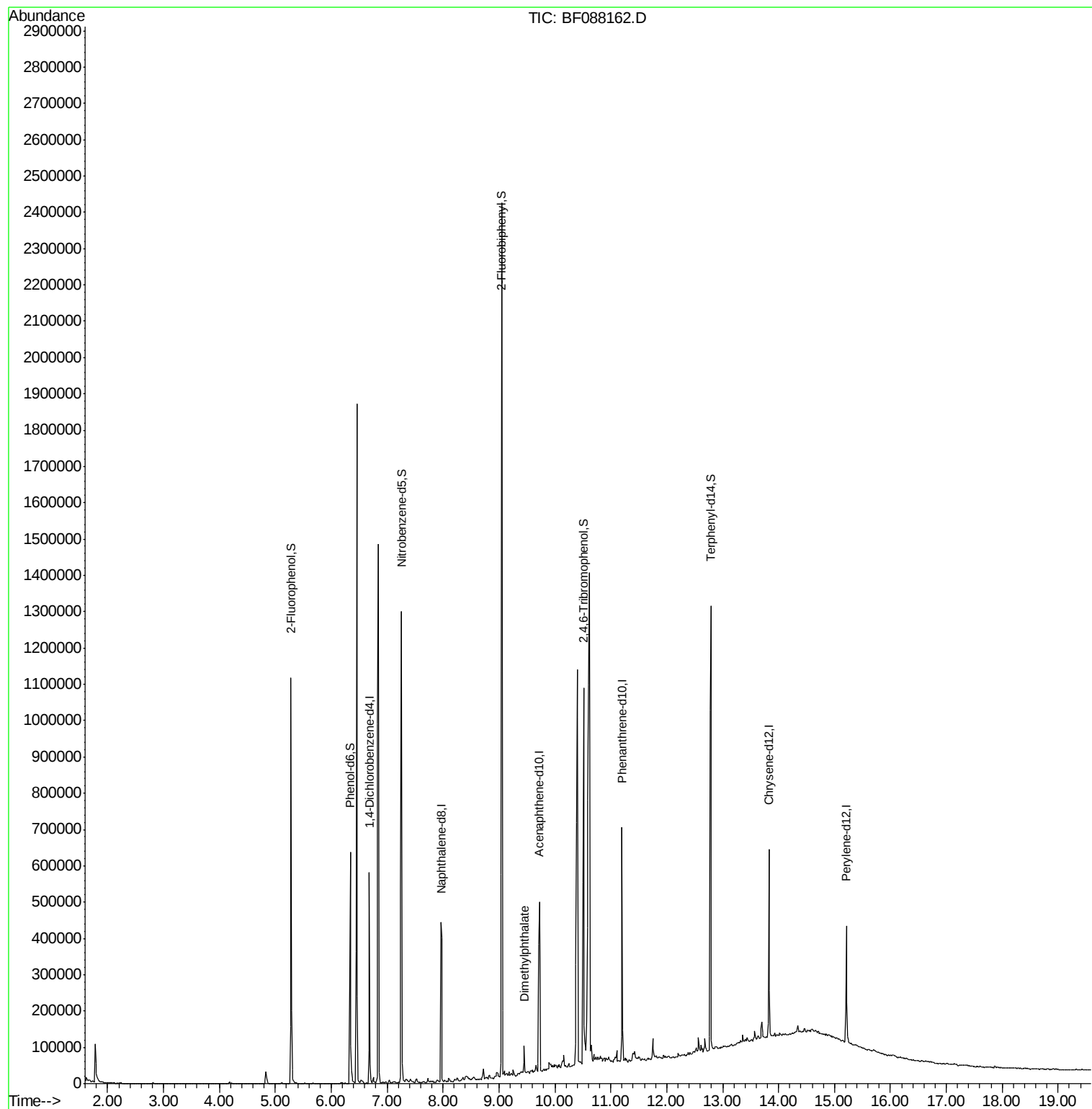
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.68  | 152  | 88339    | 20.00  | ng    | -0.01         |
| 21) Naphthalene-d8          | 7.98  | 136  | 304054   | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 9.72  | 164  | 123139   | 20.00  | ng    | -0.01         |
| 63) Phenanthrene-d10        | 11.20 | 188  | 210843   | 20.00  | ng    | -0.01         |
| 75) Chrysene-d12            | 13.83 | 240  | 169304   | 20.00  | ng    | -0.02         |
| 86) Perylene-d12            | 15.21 | 264  | 128376   | 20.00  | ng    | -0.01         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.28  | 112  | 333998   | 64.64  | ng    | 0.00          |
| 7) Phenol-d6                | 6.34  | 99   | 272117   | 43.45  | ng    | -0.01         |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 466204   | 89.54  | ng    | -0.02         |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 141940   | 109.17 | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 742357   | 95.38  | ng    | -0.02         |
| 78) Terphenyl-d14           | 12.79 | 244  | 515967   | 69.35  | ng    | -0.01         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.45  | 163  | 34584    | 3.88   | ng    | Qvalue<br>100 |

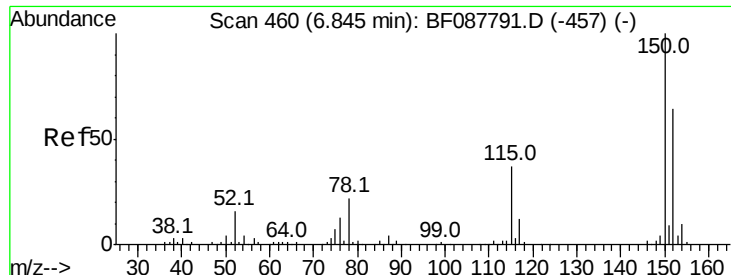
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA\_F

ClientSampleId :

W-12

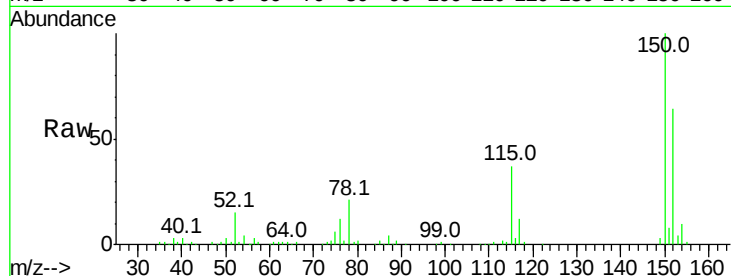
Tot Ion:152 Resp: 88339

Ion Ratio Lower Upper

152 100

150 155.0 123.8 185.6

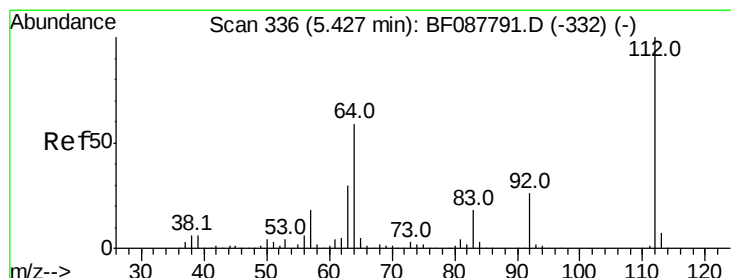
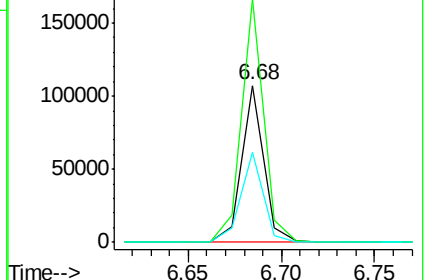
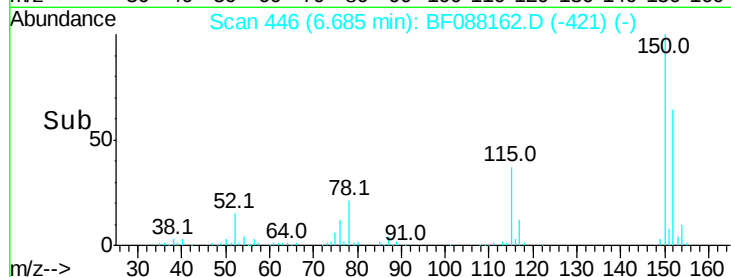
115 57.5 39.6 59.4



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: 64.64 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.00 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

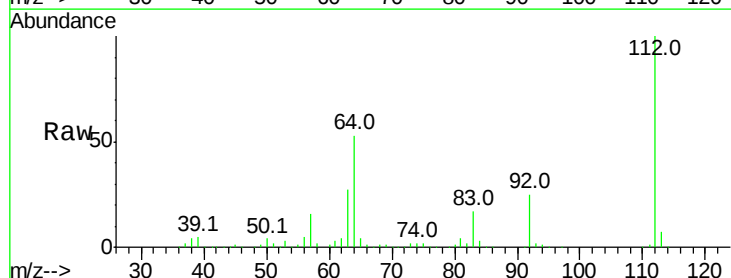
Tgt Ion:112 Resp: 333998

Ion Ratio Lower Upper

112 100

64 53.1 42.2 63.2

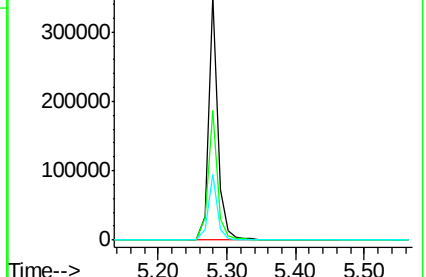
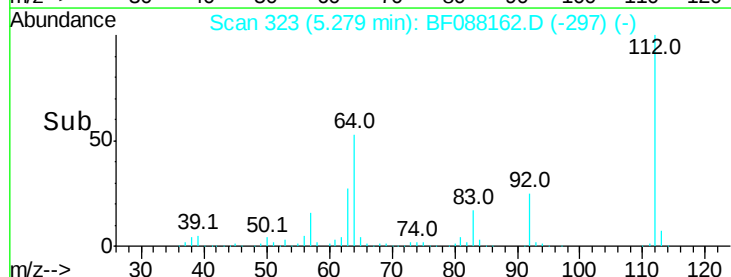
63 26.9 21.8 32.8

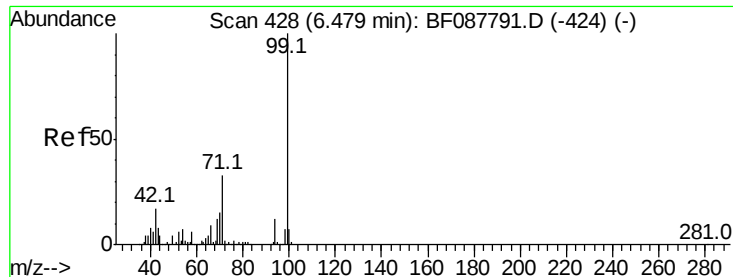


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.45 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

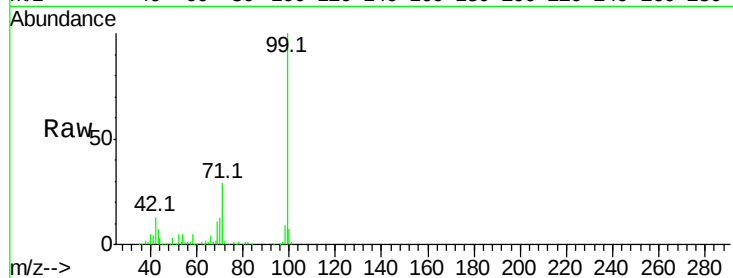
BNA\_F

ClientSampleId :

W-12

Tot Ion: 99 Resp: 272117

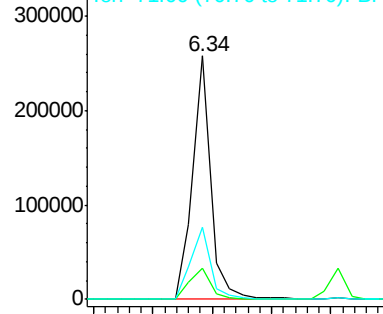
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.0  | 12.2  | 18.2  |
| 71  | 29.4  | 23.4  | 35.0  |



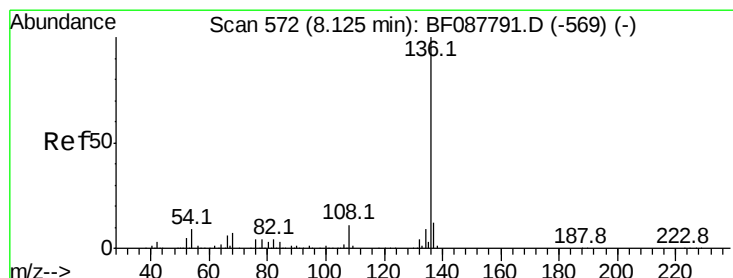
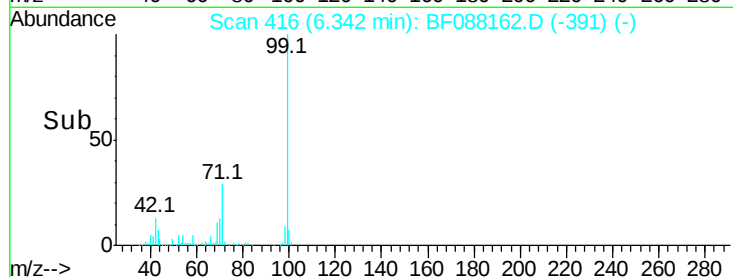
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

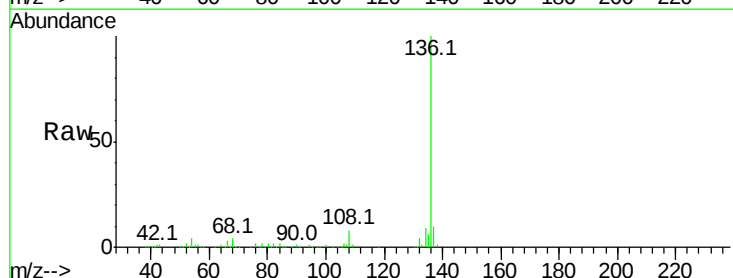
Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Tgt Ion: 136 Resp: 304054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.1  | 9.1   | 13.7  |
| 54  | 4.4   | 6.6   | 10.0# |
| 68  | 3.9   | 5.1   | 7.7#  |

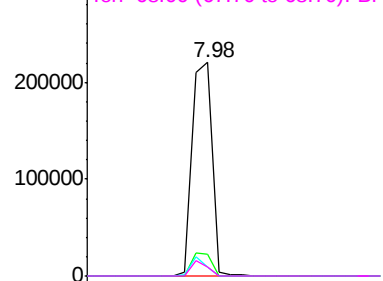


Abundance Ion 136.00 (135.70 to 136.70): E

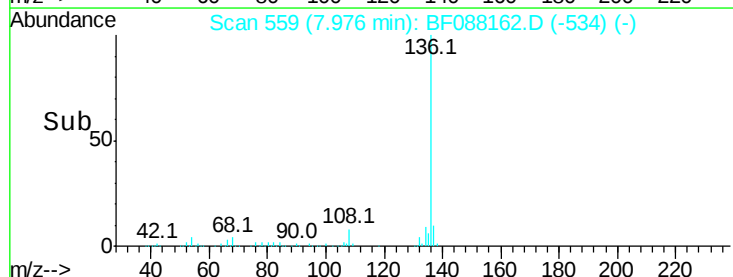
Ion 137.00 (136.70 to 137.70): E

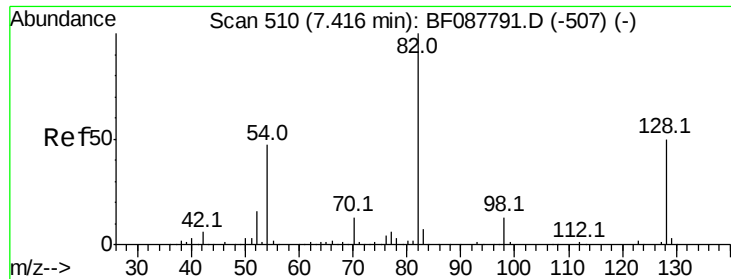
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

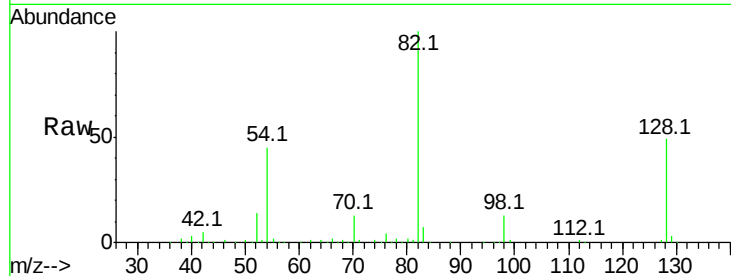




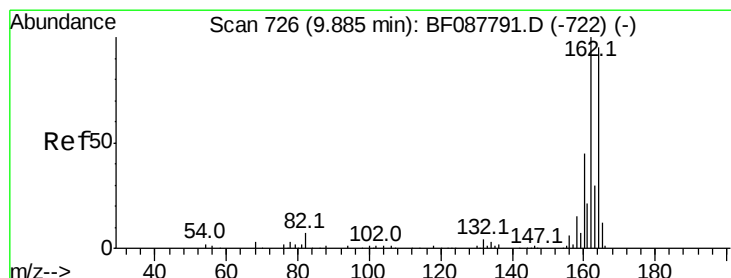
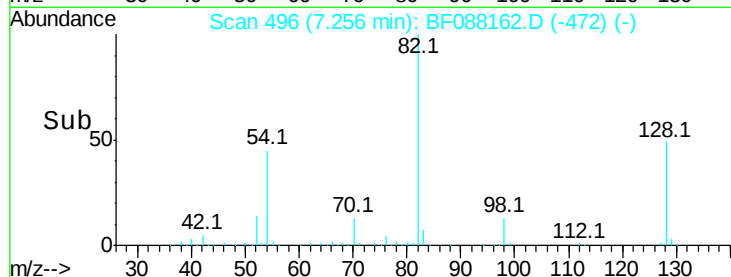
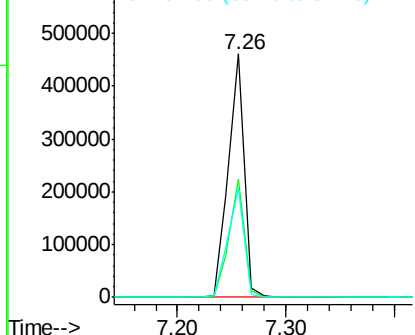
#23  
Nitrobenzene-d5  
Concen: 89.54 ng  
RT: 7.26 min Scan# 496  
Delta R.T. -0.02 min  
Lab File: BF088162.D  
Acq: 19 Jun 2016 5:14

Instrument :  
BNA\_F  
ClientSampleId :  
W-12

Tot Ion: 82 Resp: 466204  
Ion Ratio Lower Upper  
82 100  
128 48.8 35.9 53.9  
54 44.8 40.9 61.3

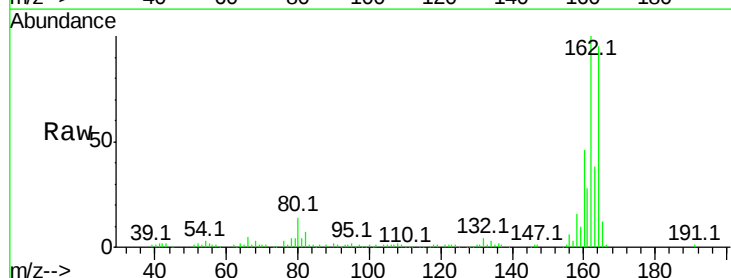


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

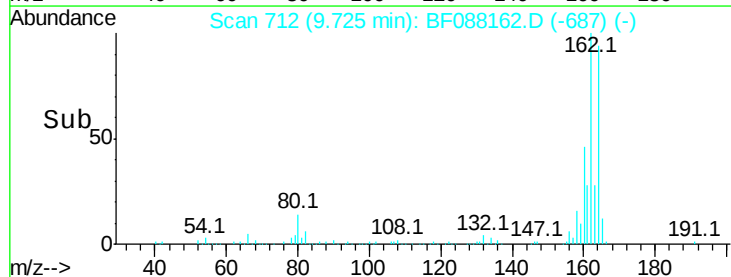
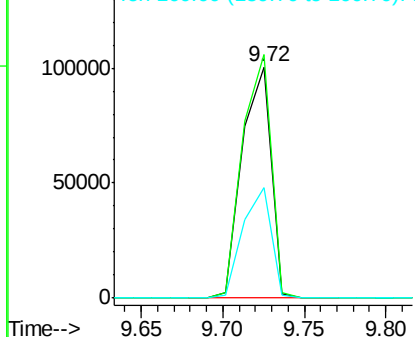


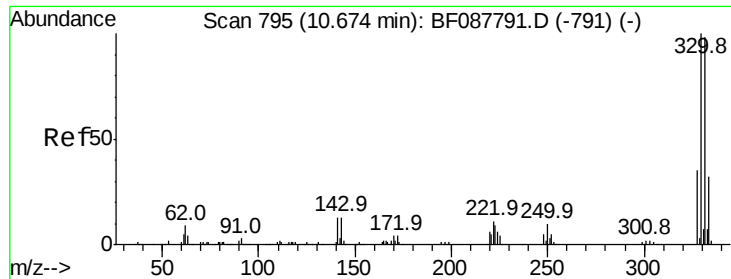
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.72 min Scan# 712  
Delta R.T. -0.01 min  
Lab File: BF088162.D  
Acq: 19 Jun 2016 5:14

Tgt Ion:164 Resp: 123139  
Ion Ratio Lower Upper  
164 100  
162 105.3 85.4 128.2  
160 48.1 39.5 59.3



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

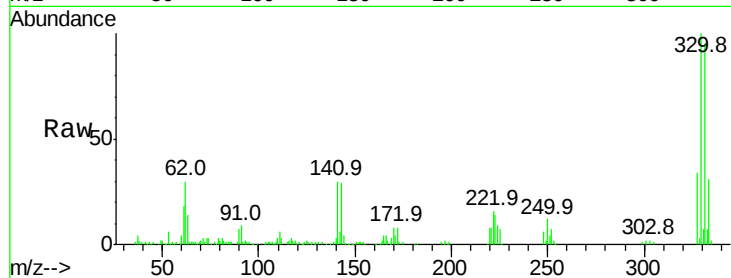




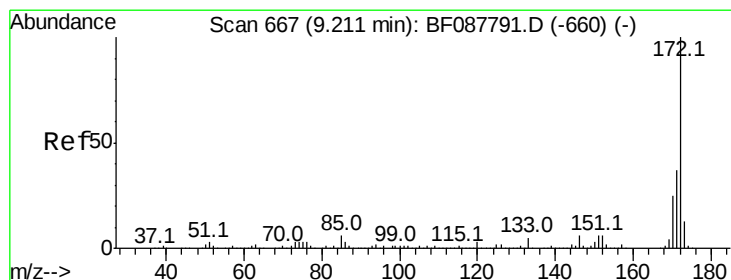
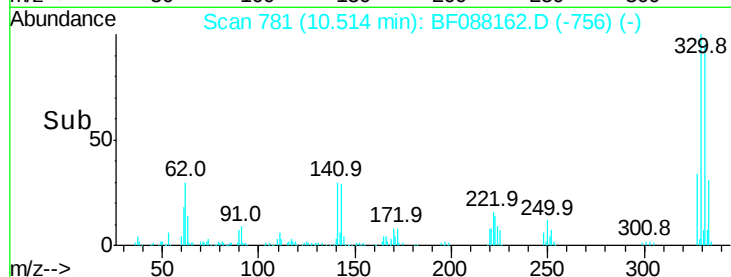
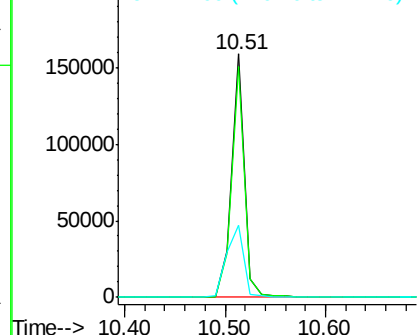
#41  
 2,4,6-Tribromophenol  
 Concen: 109.17 ng  
 RT: 10.51 min Scan# 781  
 Delta R.T. -0.01 min  
 Lab File: BF088162.D  
 Acq: 19 Jun 2016 5:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 0.0   | 0.0#  |
| 141     | 38.6  | 0.0   | 0.0#  |

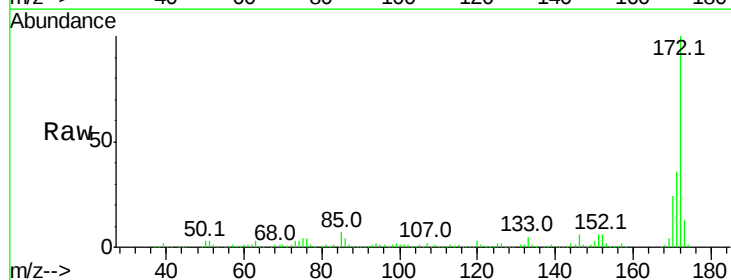


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

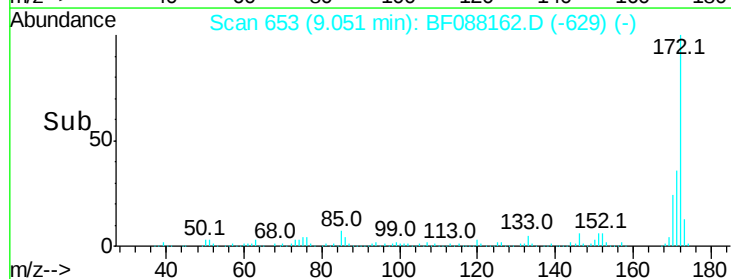
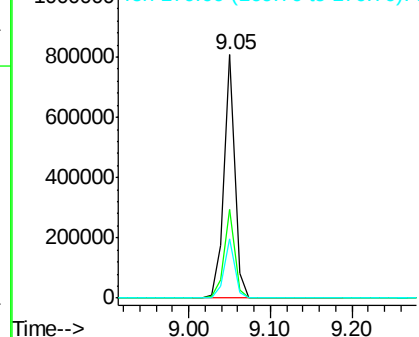


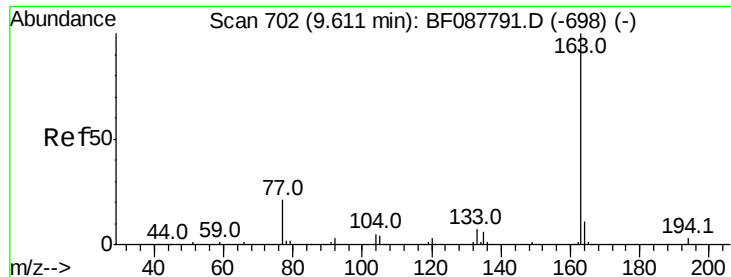
#44  
 2-Fluorobiphenyl  
 Concen: 95.38 ng  
 RT: 9.05 min Scan# 653  
 Delta R.T. -0.02 min  
 Lab File: BF088162.D  
 Acq: 19 Jun 2016 5:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 28.6  | 43.0  |
| 170     | 24.2  | 19.2  | 28.8  |



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

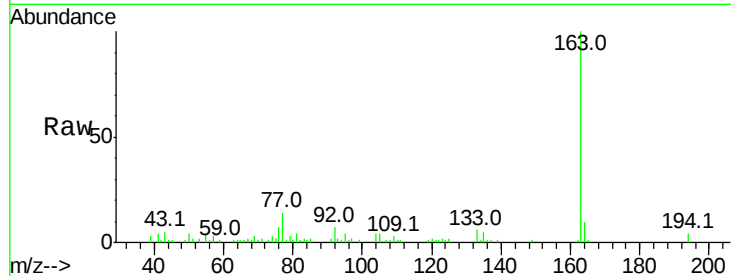




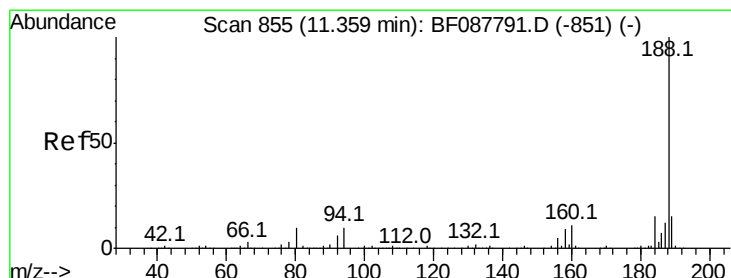
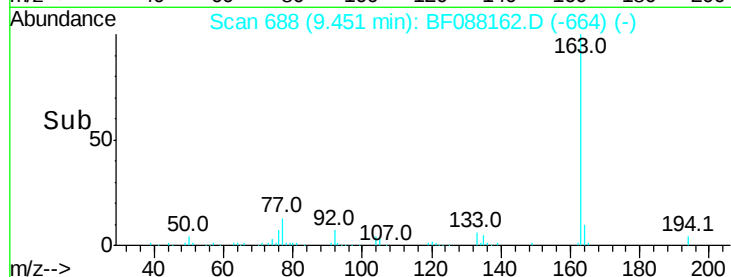
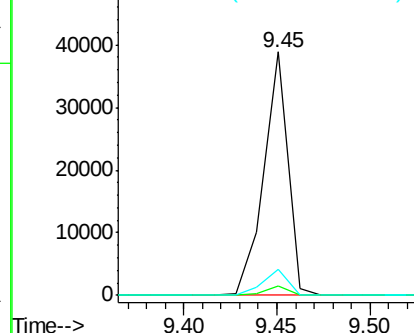
#49  
Dimethylphthalate  
Concen: 3.88 ng  
RT: 9.45 min Scan# 688  
Delta R.T. -0.02 min  
Lab File: BF088162.D  
Acq: 19 Jun 2016 5:14

Instrument :  
BNA\_F  
ClientSampleId :  
W-12

Tot Ion:163 Resp: 34584  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.8 4.2  
164 10.4 8.3 12.5

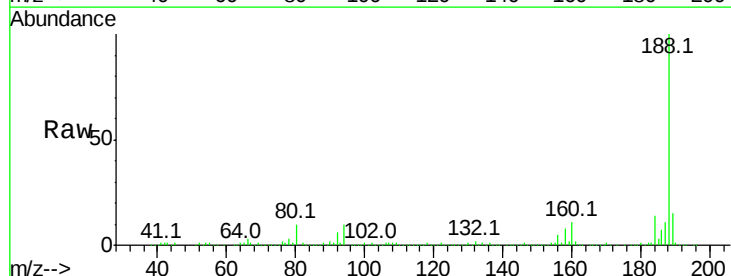


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

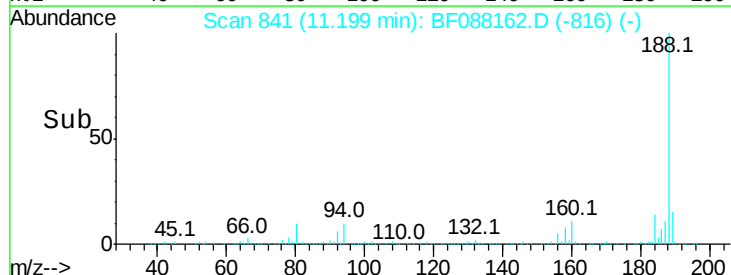
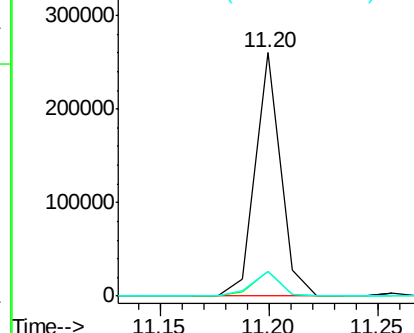


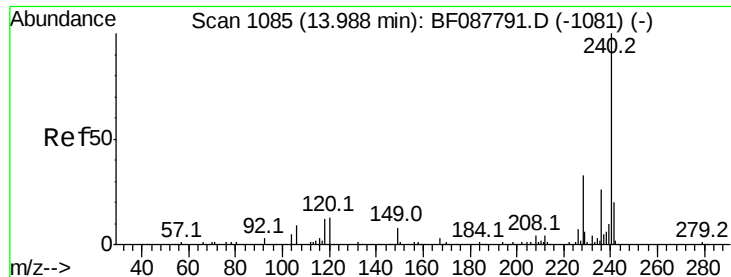
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.20 min Scan# 841  
Delta R.T. -0.01 min  
Lab File: BF088162.D  
Acq: 19 Jun 2016 5:14

Tgt Ion:188 Resp: 210843  
Ion Ratio Lower Upper  
188 100  
94 10.3 9.0 13.6  
80 10.3 10.0 15.0



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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

Instrument :

BNA\_F

ClientSampled :

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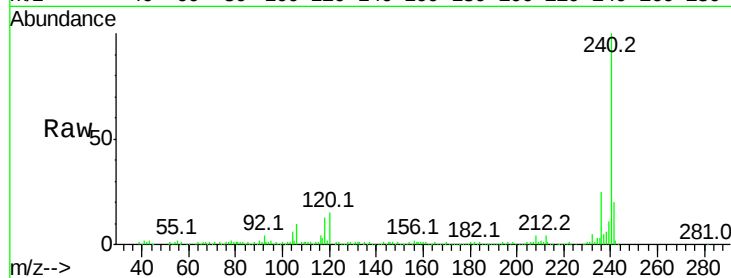
Tot Ion:240 Resp: 169304

Ion Ratio Lower Upper

240 100

120 15.0 6.8 10.2#

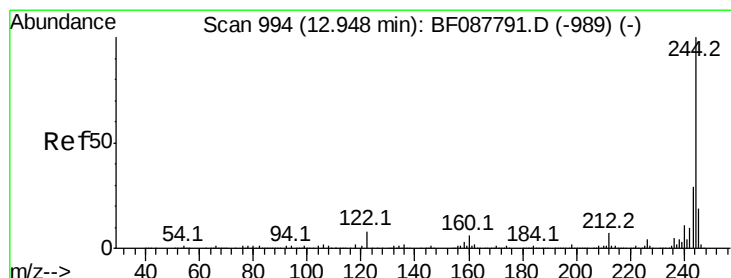
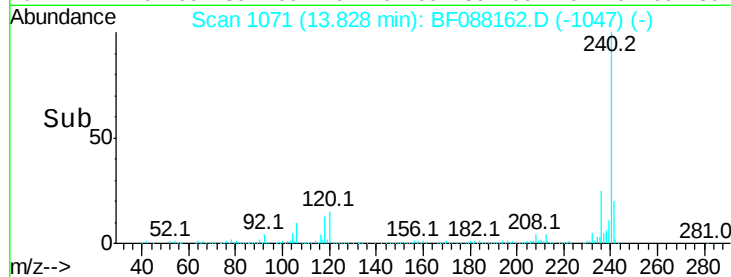
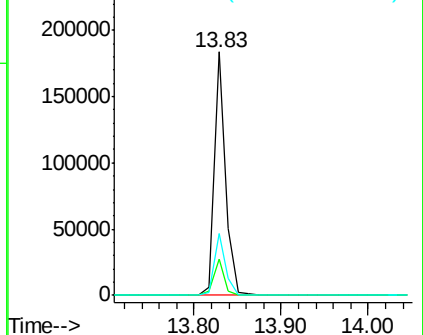
236 25.4 20.2 30.2



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: 69.35 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088162.D

Acq: 19 Jun 2016 5:14

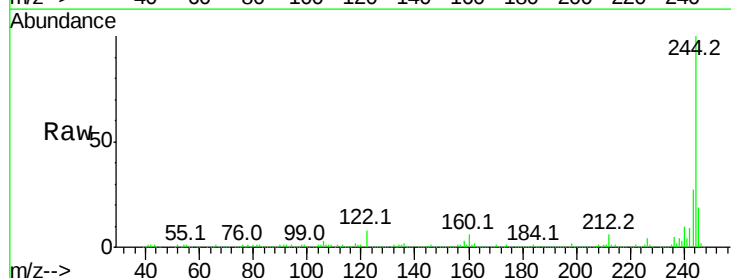
Tgt Ion:244 Resp: 515967

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

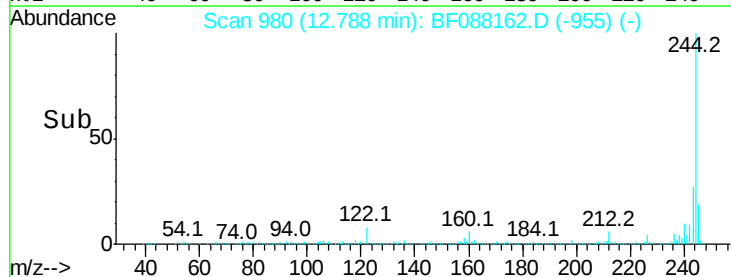
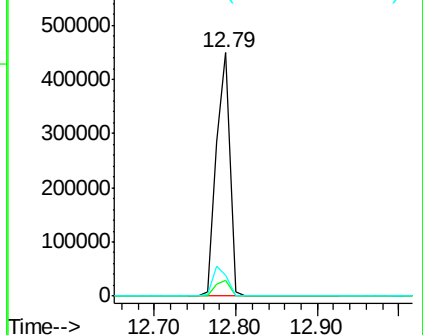
122 8.3 11.2 16.8#

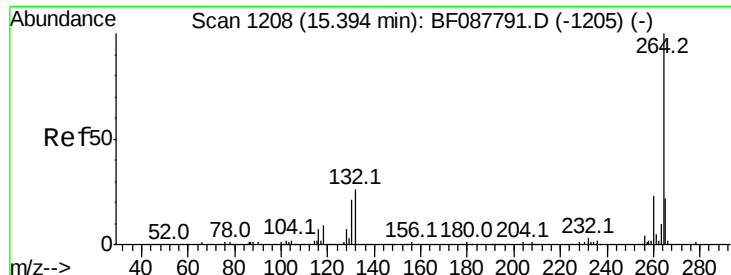


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.21 min Scan# 1192  
Delta R.T. -0.01 min  
Lab File: BF088162.D  
Acq: 19 Jun 2016 5:14

Instrument :  
BNA\_F  
ClientSampleId :  
W-12

Tot Ion: 264 Resp: 128376  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 19.2  | 28.8  |
| 265 | 21.0  | 16.9  | 25.3  |

