

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\  
 Data File : BF087918.D  
 Acq On : 11 Jun 2016 23:00  
 Operator : UM/SJ  
 Sample : H3362-05  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-MMW0002

Quant Time: Jun 12 05:50:25 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 18:51:55 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 161082   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.09  | 136  | 688492   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.84  | 164  | 325480   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.32 | 188  | 649186   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 13.95 | 240  | 566947   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.37 | 264  | 462015   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 520338   | 55.22  | ng    | -0.03    |
| 7) Phenol-d6                | 6.43  | 99   | 411149   | 36.00  | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 814788   | 69.11  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 362065   | 105.35 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 1545204  | 73.85  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.91 | 244  | 1444426  | 57.97  | ng    | -0.03    |

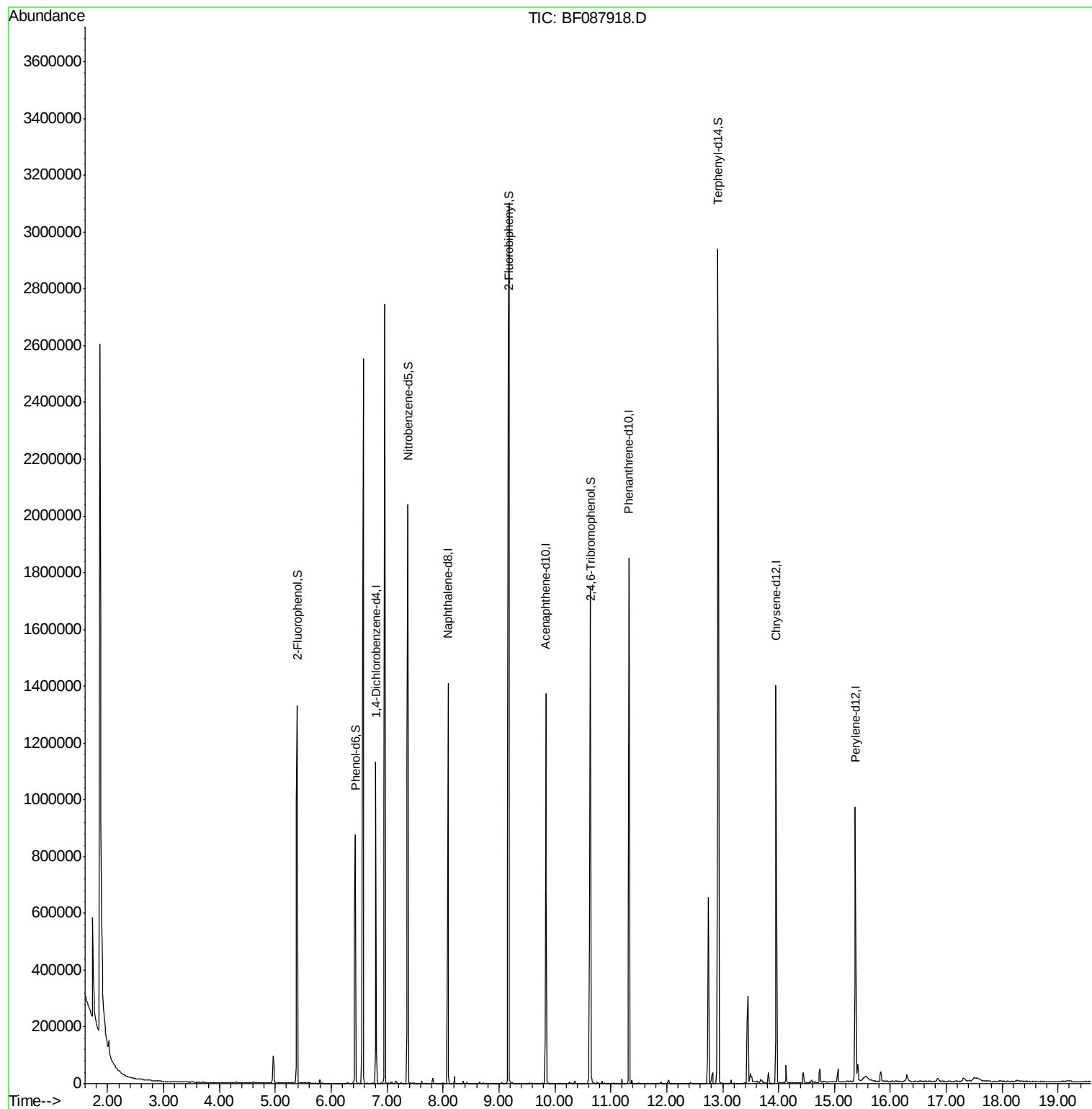
Target Compounds Qvalue

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

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QLast Update : Tue Jun 07 18:51:55 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA\_F

ClientSampleId :

SP16-MMW0002

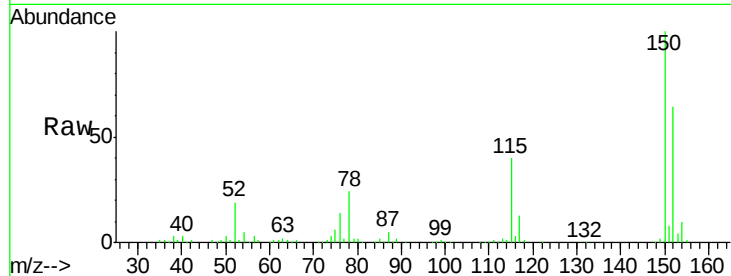
Tot Ion:152 Resp: 161082

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

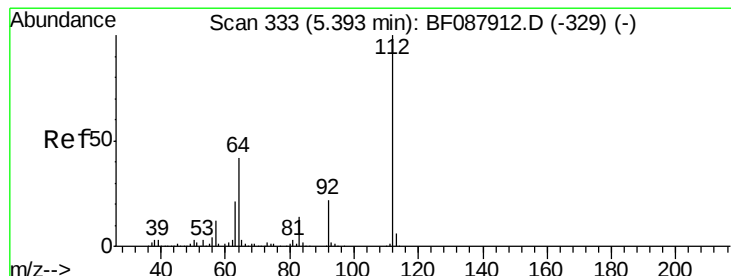
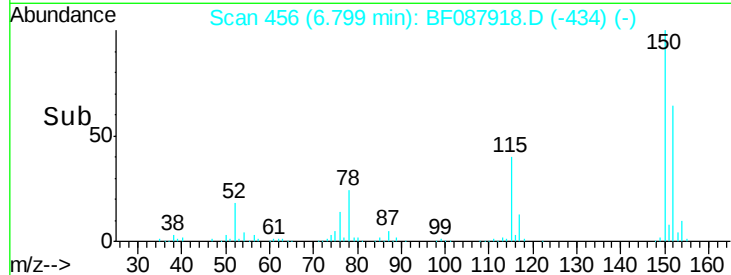
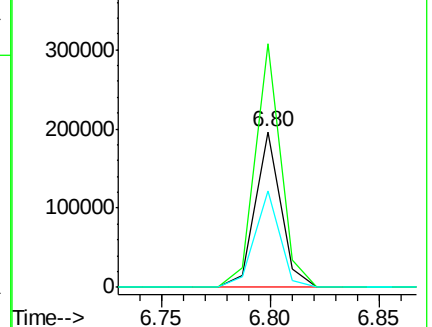
115 62.1 39.6 59.4#



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: 55.22 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

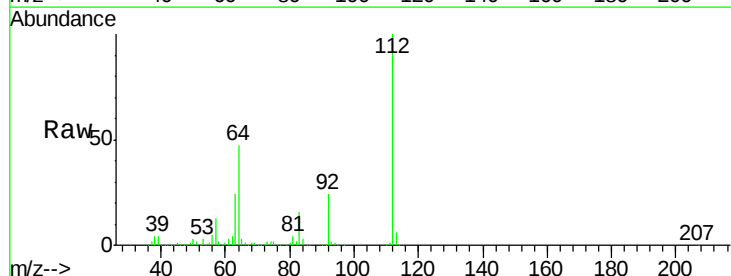
Tgt Ion:112 Resp: 520338

Ion Ratio Lower Upper

112 100

64 46.6 42.2 63.2

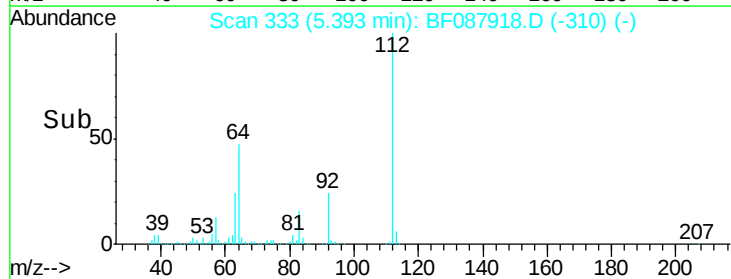
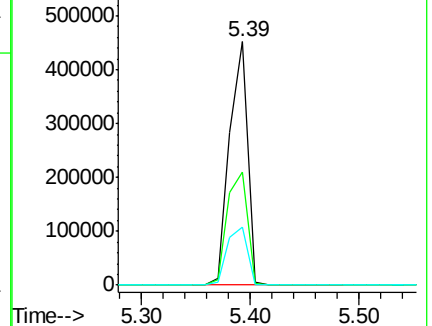
63 23.9 21.8 32.8

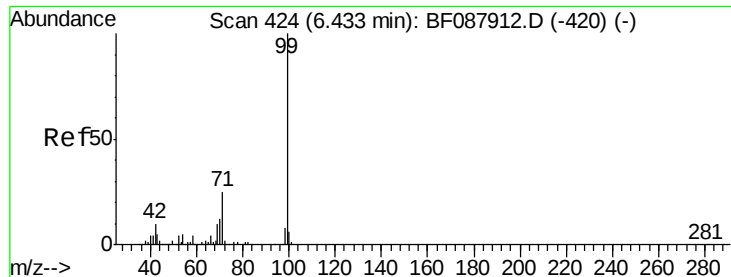


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.00 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA\_F

ClientSampleId :

SP16-MMW0002

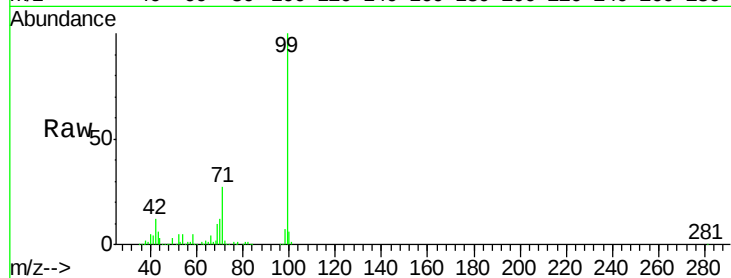
Tot Ion: 99 Resp: 411149

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

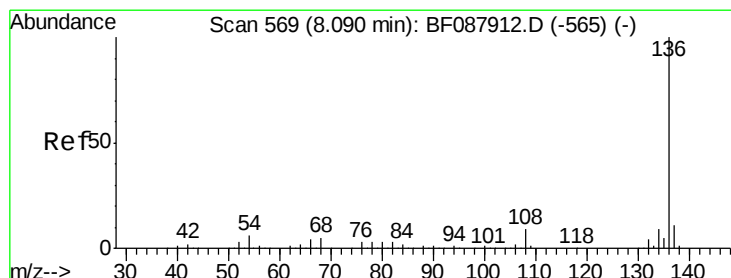
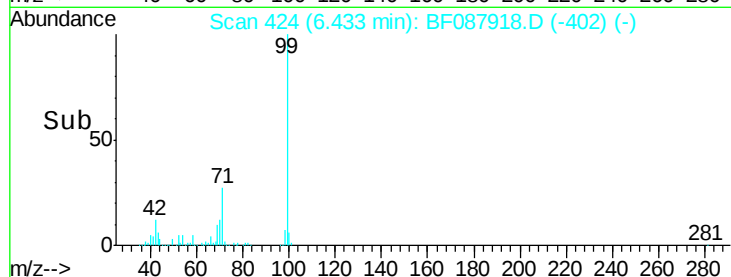
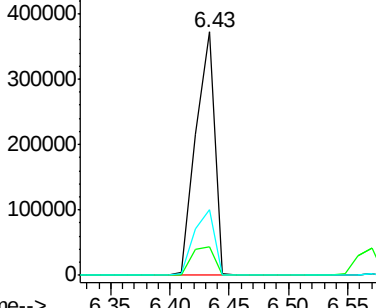
71 26.8 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Tgt Ion: 136 Resp: 688492

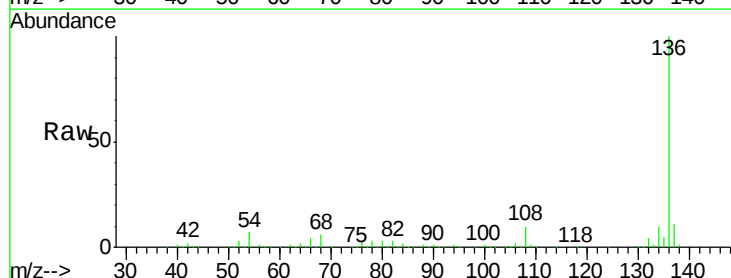
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.6 6.6 10.0#

68 5.5 5.1 7.7

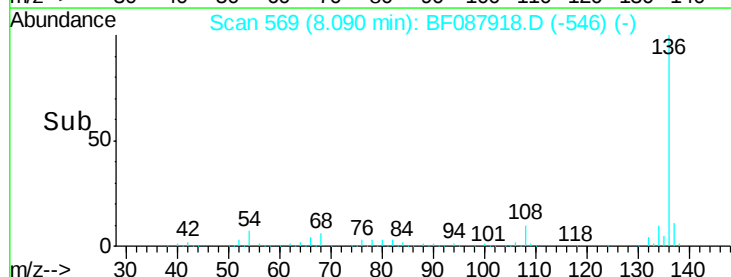
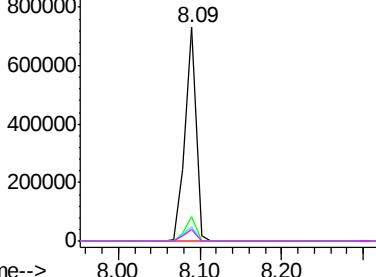


Abundance Ion 136.00 (135.70 to 136.70): E

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

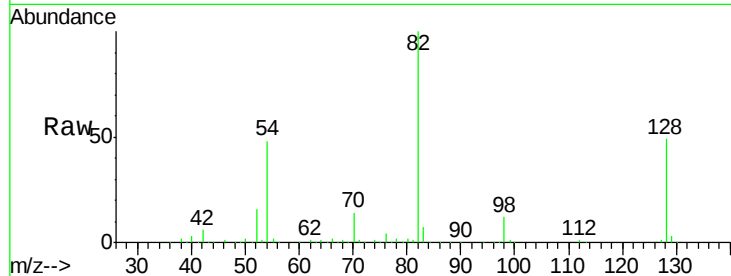




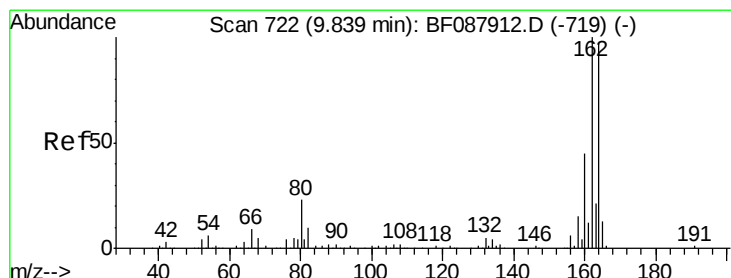
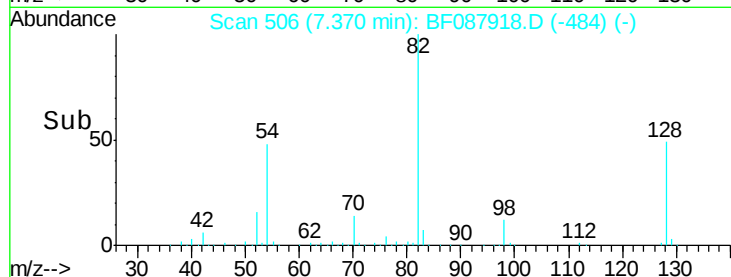
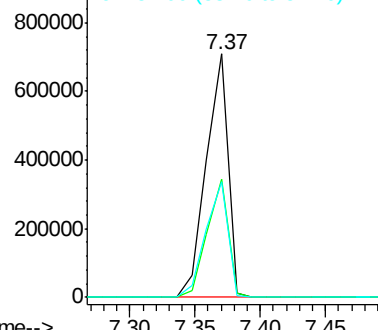
#23  
 Nitrobenzene-d5  
 Concen: 69.11 ng  
 RT: 7.37 min Scan# 506  
 Delta R.T. -0.05 min  
 Lab File: BF087918.D  
 Acq: 11 Jun 2016 23:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-MMW0002

Tot Ion: 82 Resp: 814788  
 Ion Ratio Lower Upper  
 82 100  
 128 48.7 35.9 53.9  
 54 47.7 40.9 61.3

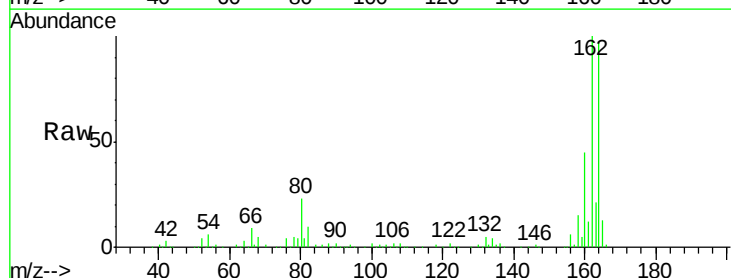


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

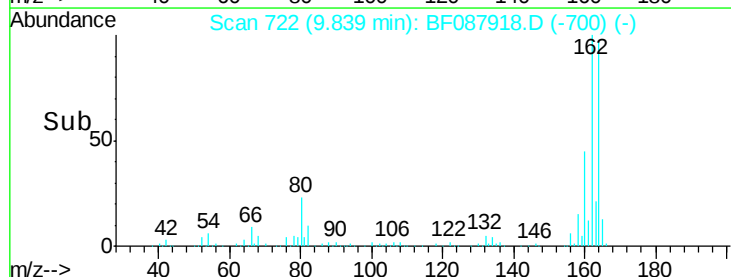
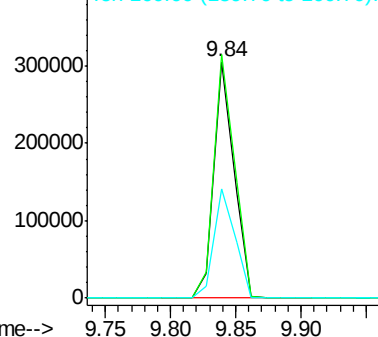


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.84 min Scan# 722  
 Delta R.T. -0.05 min  
 Lab File: BF087918.D  
 Acq: 11 Jun 2016 23:00

Tgt Ion:164 Resp: 325480  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 85.4 128.2  
 160 46.5 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

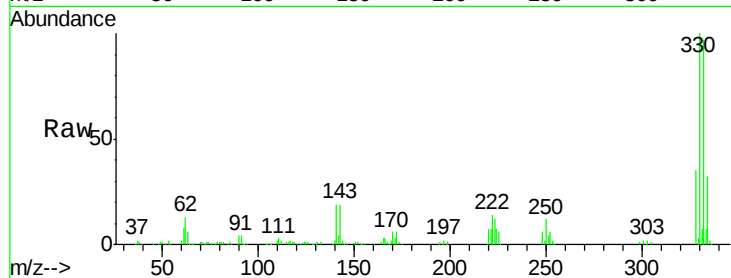




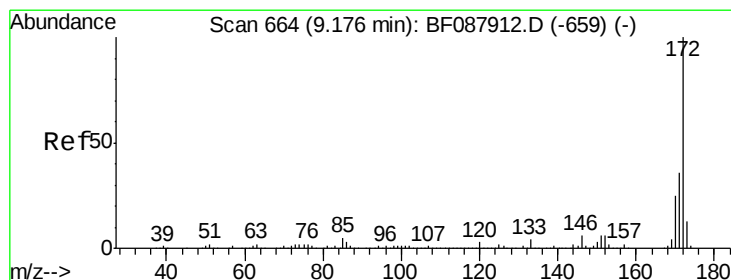
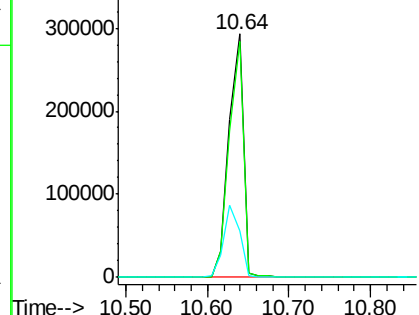
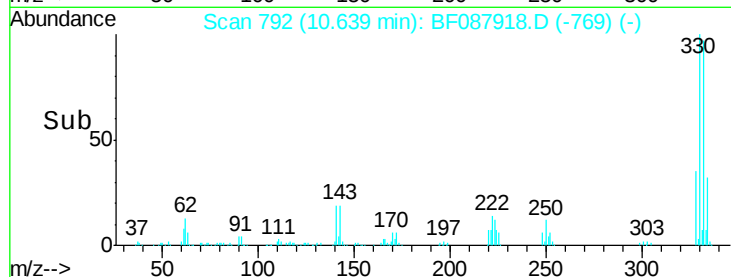
#41  
 2,4,6-Tribromophenol  
 Concen: 105.35 ng  
 RT: 10.64 min Scan# 792  
 Delta R.T. -0.03 min  
 Lab File: BF087918.D  
 Acq: 11 Jun 2016 23:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-MMW0002

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 0.0   | 0.0#  |
| 141     | 33.0  | 0.0   | 0.0#  |

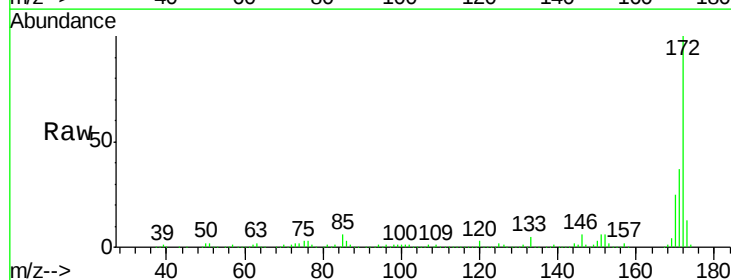


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

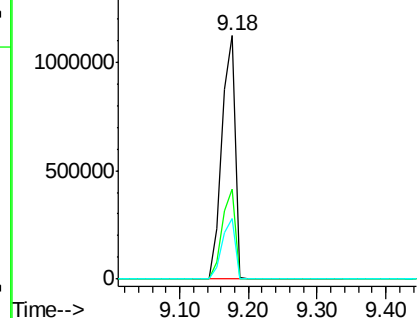
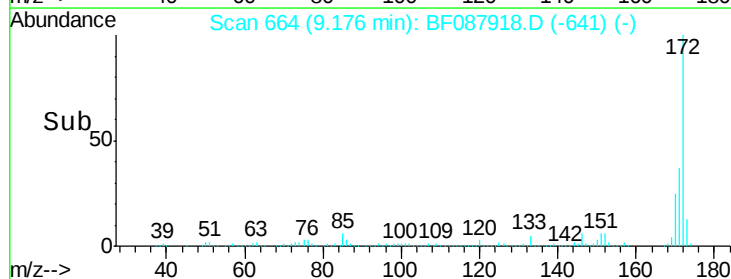


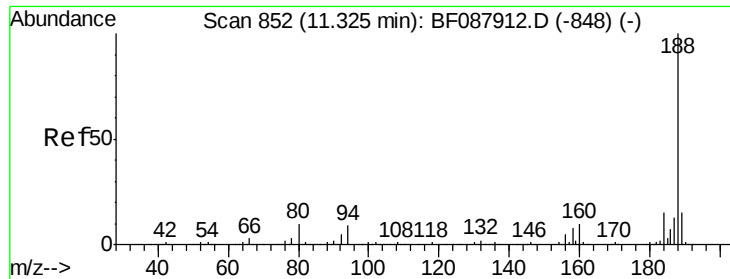
#44  
 2-Fluorobiphenyl  
 Concen: 73.85 ng  
 RT: 9.18 min Scan# 664  
 Delta R.T. -0.03 min  
 Lab File: BF087918.D  
 Acq: 11 Jun 2016 23:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 28.6  | 43.0  |
| 170     | 24.8  | 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

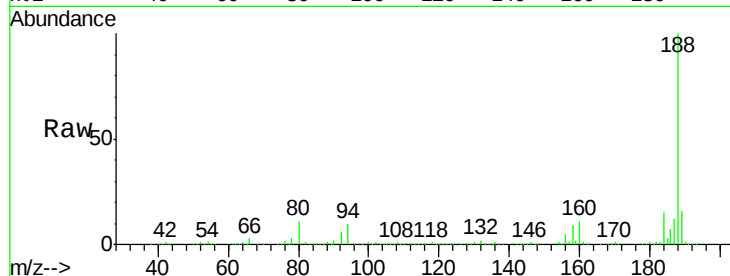




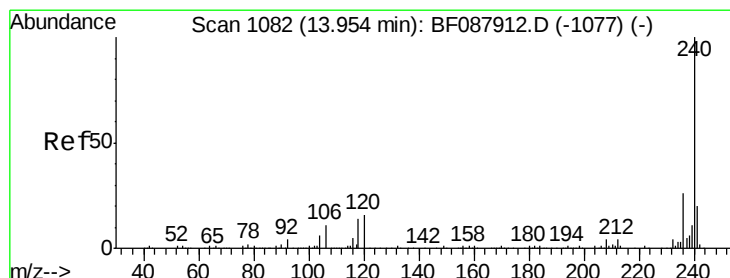
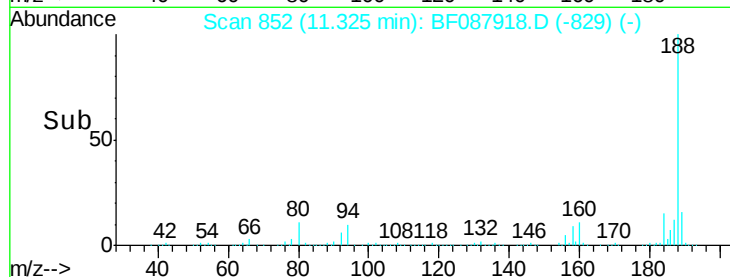
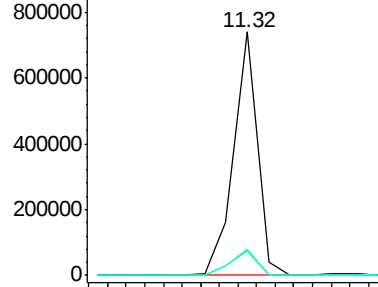
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 852  
Delta R.T. -0.03 min  
Lab File: BF087918.D  
Acq: 11 Jun 2016 23:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP16-MMW0002

Tot Ion:188 Resp: 649186  
Ion Ratio Lower Upper  
188 100  
94 10.3 9.0 13.6  
80 10.7 10.0 15.0

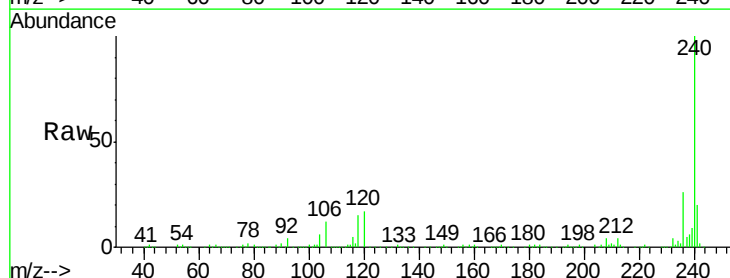


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

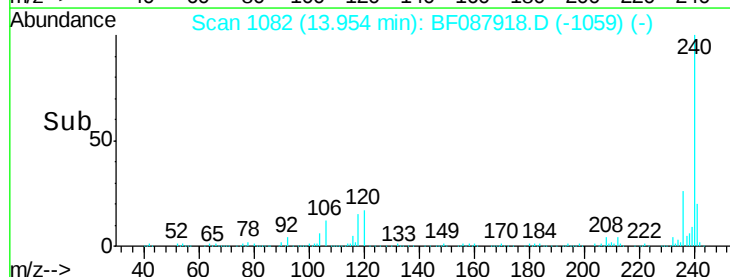
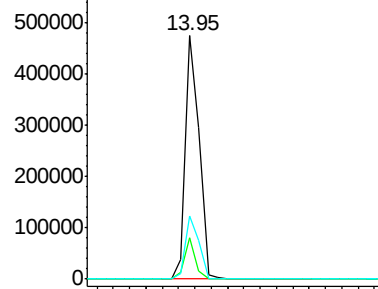


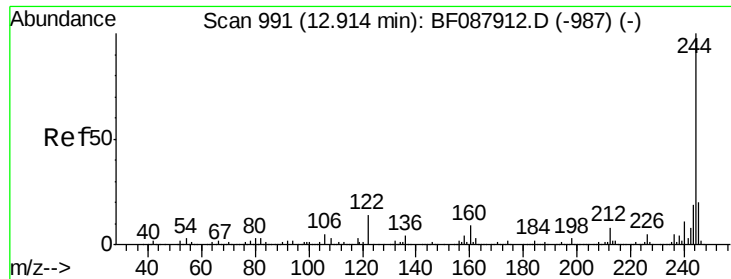
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 1082  
Delta R.T. -0.03 min  
Lab File: BF087918.D  
Acq: 11 Jun 2016 23:00

Tgt Ion:240 Resp: 566947  
Ion Ratio Lower Upper  
240 100  
120 17.1 6.8 10.2#  
236 26.2 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

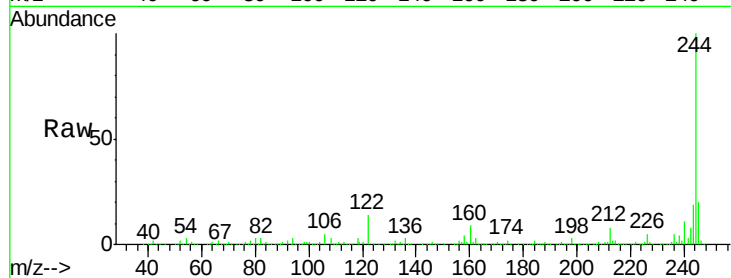




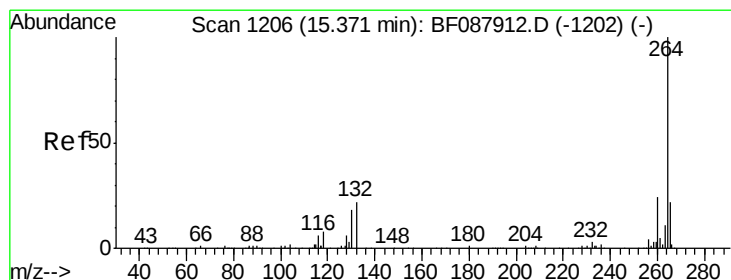
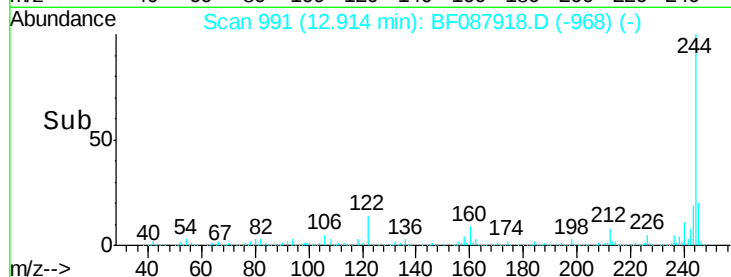
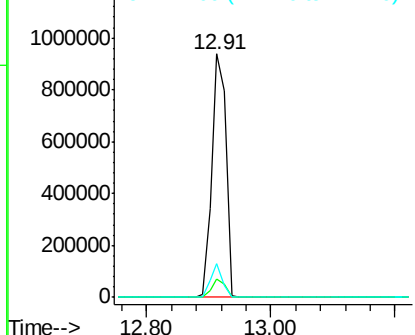
#78  
 Terphenyl-d14  
 Concen: 57.97 ng  
 RT: 12.91 min Scan# 991  
 Delta R.T. -0.03 min  
 Lab File: BF087918.D  
 Acq: 11 Jun 2016 23:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-MMW0002

Tot Ion:244 Resp: 1444426  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.0 9.0  
 122 13.9 11.2 16.8

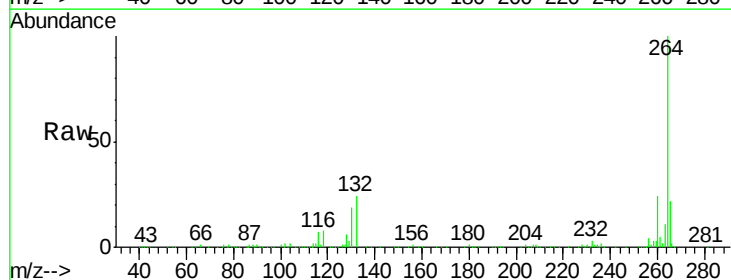


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.37 min Scan# 1206  
 Delta R.T. -0.02 min  
 Lab File: BF087918.D  
 Acq: 11 Jun 2016 23:00

Tgt Ion:264 Resp: 462015  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.2 28.8  
 265 22.0 16.9 25.3



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

