

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\  
 Data File : BF087939.D  
 Acq On : 12 Jun 2016 10:14  
 Operator : UM/SJ  
 Sample : H3425-02  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-JMW0801B

Quant Time: Jun 13 02:20:38 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 13 02:17:28 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 112012   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 458940   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.84  | 164  | 216761   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.32 | 188  | 416268   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.95 | 240  | 324562   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.37 | 264  | 245854   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 373320   | 56.98  | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 315598   | 39.74  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 671570   | 85.45  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 241652   | 105.58 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 1170165  | 84.79  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.91 | 244  | 997701   | 69.95  | ng    | -0.01    |

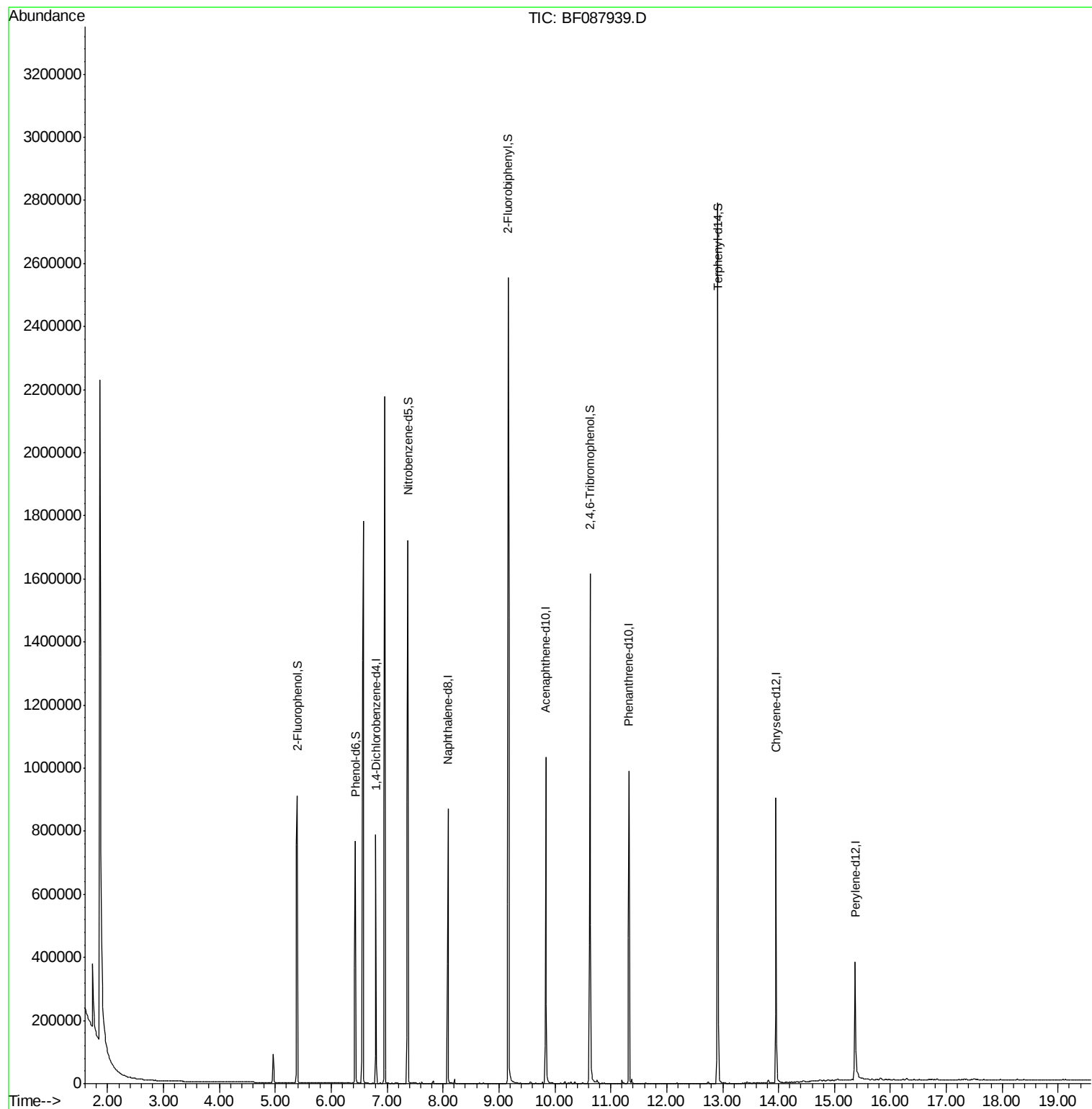
Target Compounds Qvalue

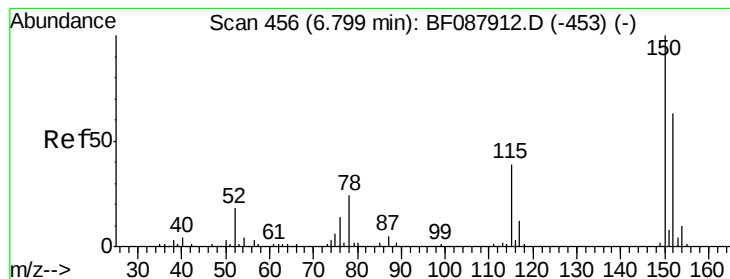
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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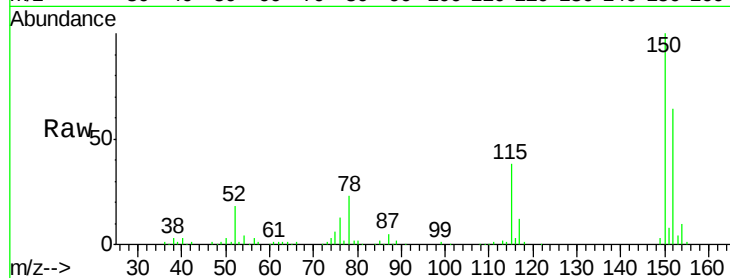




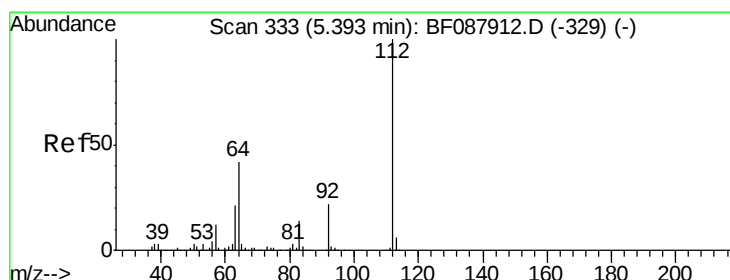
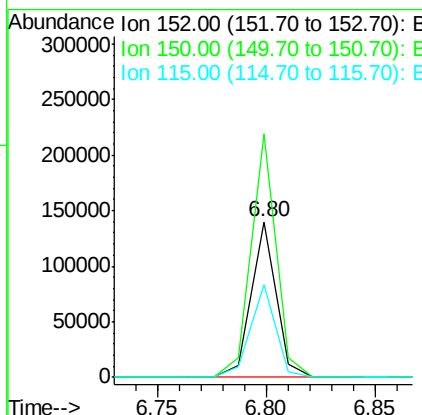
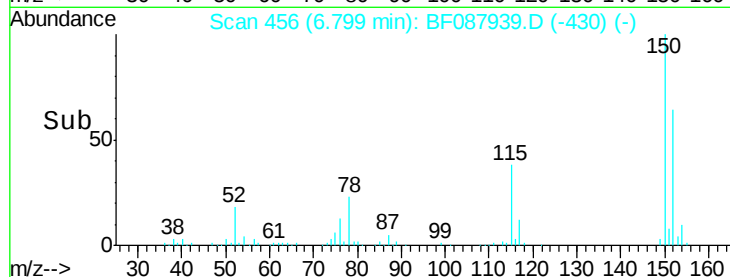
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.80 min Scan# 456  
 Delta R.T. -0.00 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-JMW0801B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 123.8 | 185.6 |
| 115     | 59.6  | 39.6  | 59.4  |

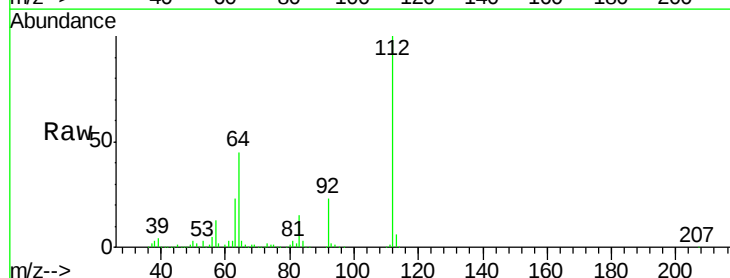


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

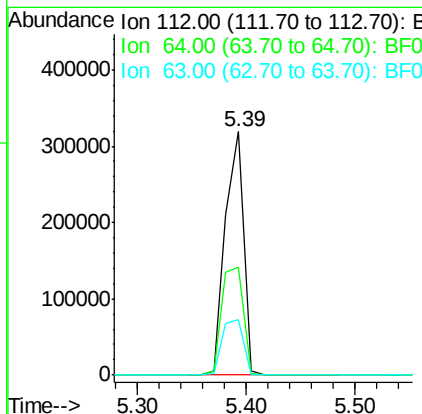
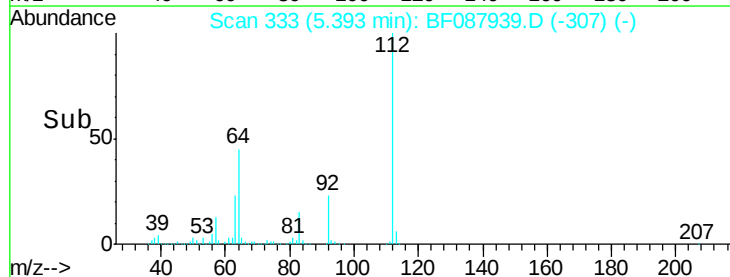


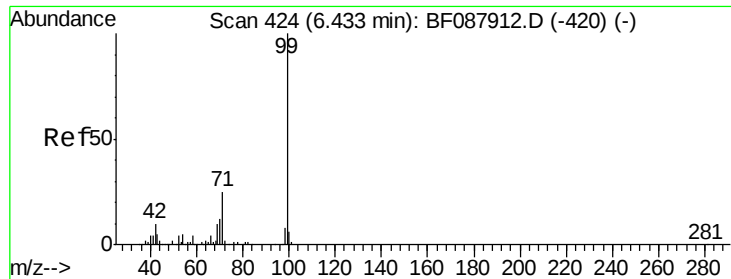
#5  
 2-Fluorophenol  
 Concen: 56.98 ng  
 RT: 5.39 min Scan# 333  
 Delta R.T. -0.00 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 44.5  | 42.2  | 63.2  |
| 63      | 22.6  | 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: 39.74 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

Instrument :

BNA\_F

ClientSampleId :

SP16-JMW0801B

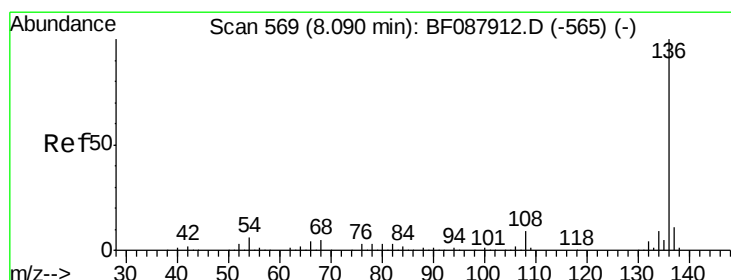
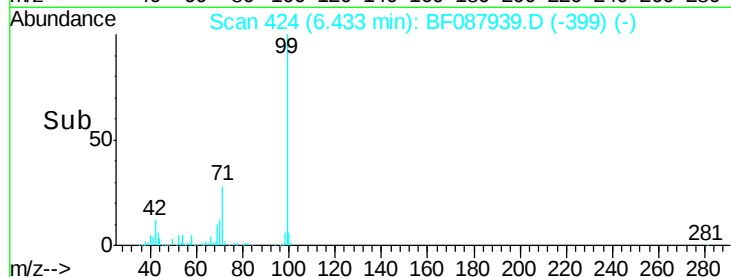
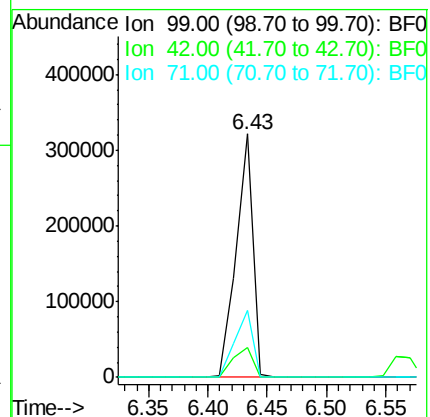
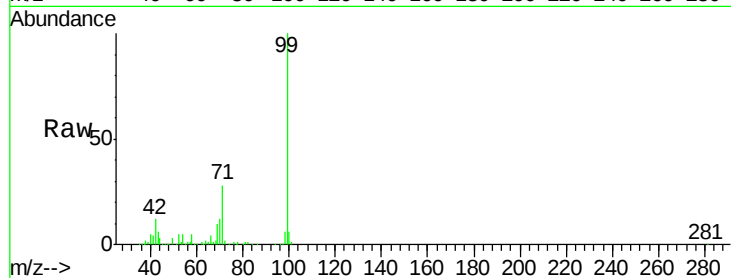
Tot Ion: 99 Resp: 31598

Ion Ratio Lower Upper

99 100

42 12.5 12.2 18.2

71 27.6 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

Tgt Ion: 136 Resp: 458940

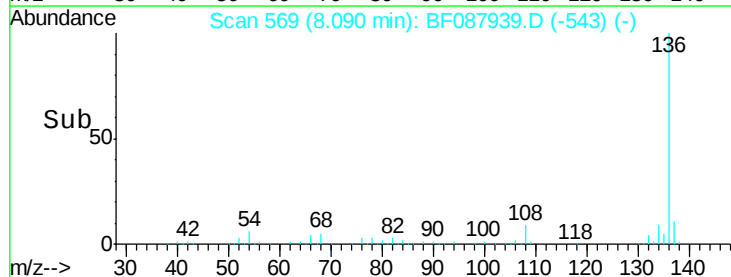
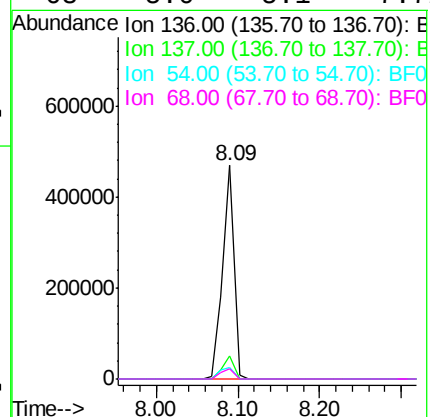
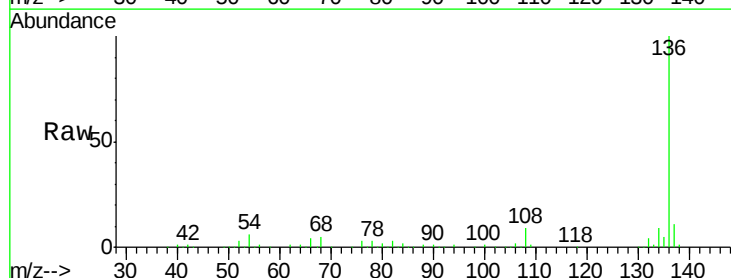
Ion Ratio Lower Upper

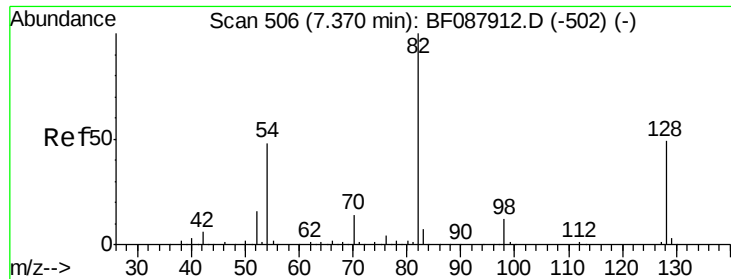
136 100

137 10.6 9.1 13.7

54 5.7 6.6 10.0#

68 5.0 5.1 7.7#

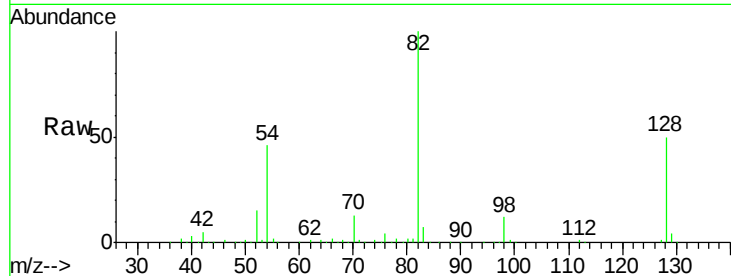




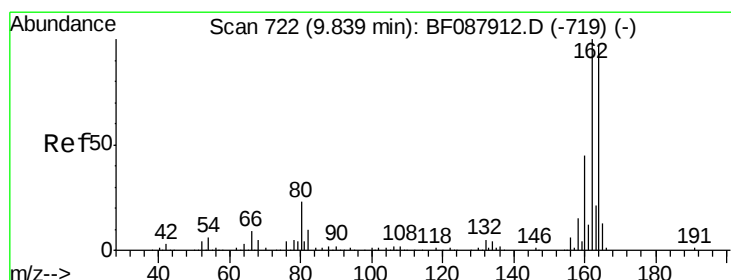
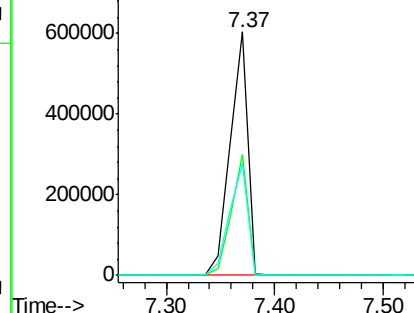
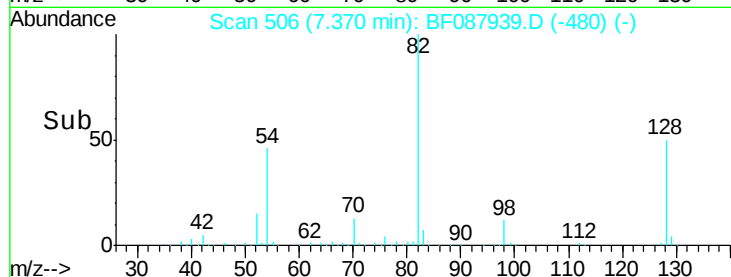
#23  
 Nitrobenzene-d5  
 Concen: 85.45 ng  
 RT: 7.37 min Scan# 506  
 Delta R.T. -0.00 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-JMW0801B

| Tot Ion   | 82   | Resp  | 671570 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 49.6 | 35.9  | 53.9   |
| 54        | 46.1 | 40.9  | 61.3   |

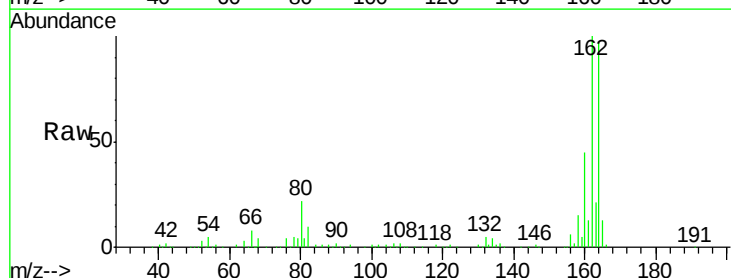


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

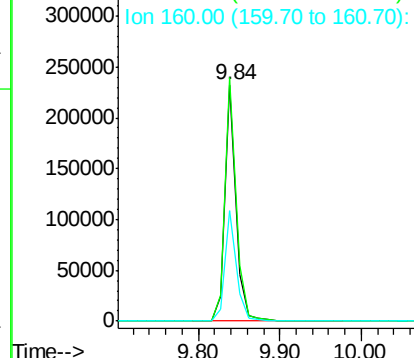
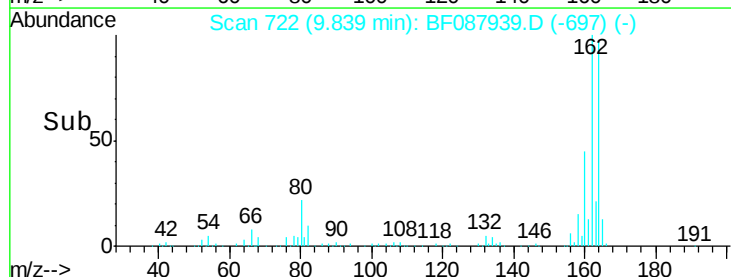


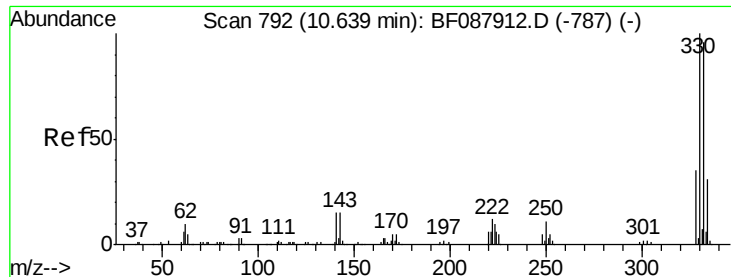
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.84 min Scan# 722  
 Delta R.T. -0.01 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

| Tgt Ion   | 164   | Resp  | 216761 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.1 | 85.4  | 128.2  |
| 160       | 46.7  | 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

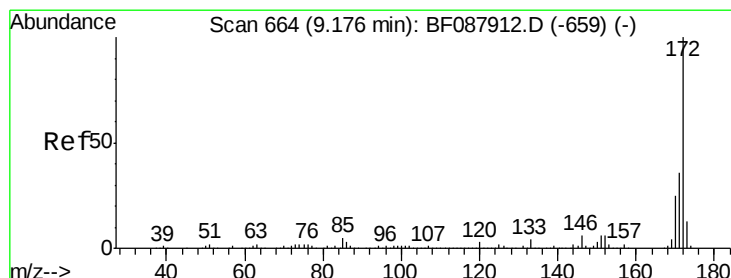
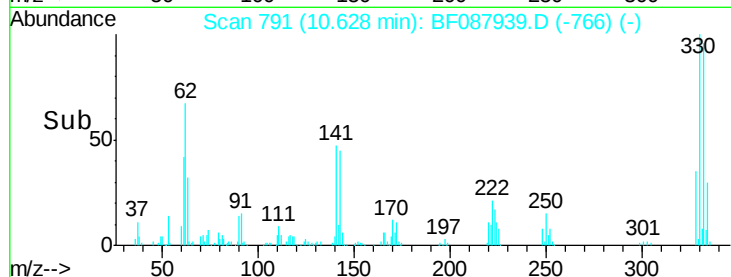
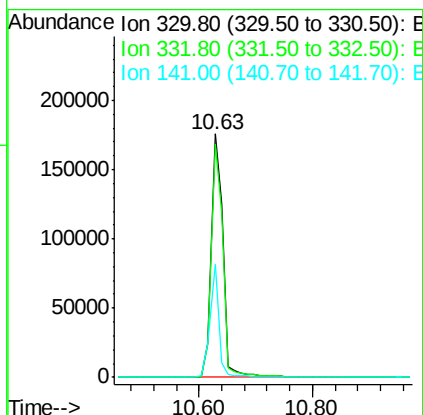
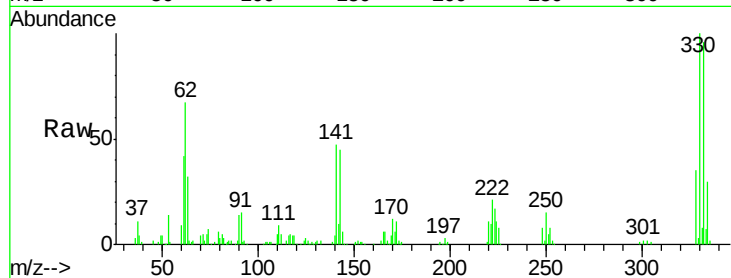




#41  
 2,4,6-Tribromophenol  
 Concen: 105.58 ng  
 RT: 10.63 min Scan# 791  
 Delta R.T. -0.01 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

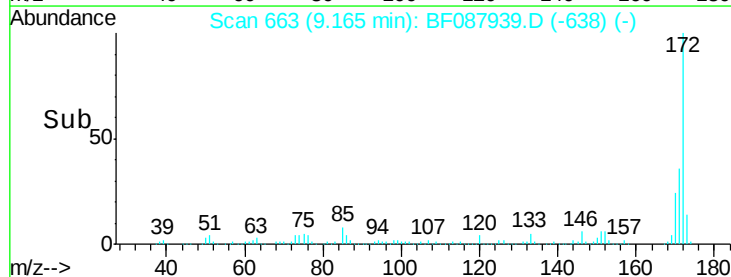
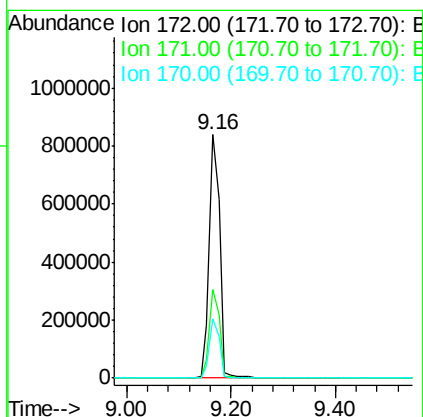
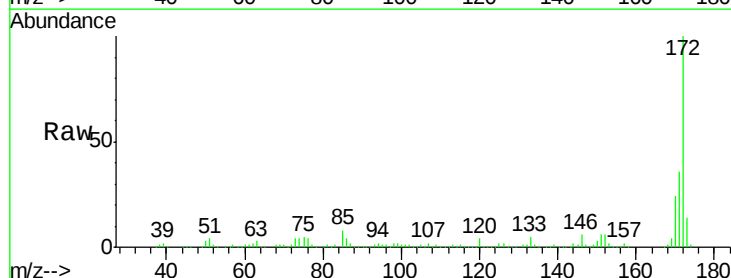
Instrument :  
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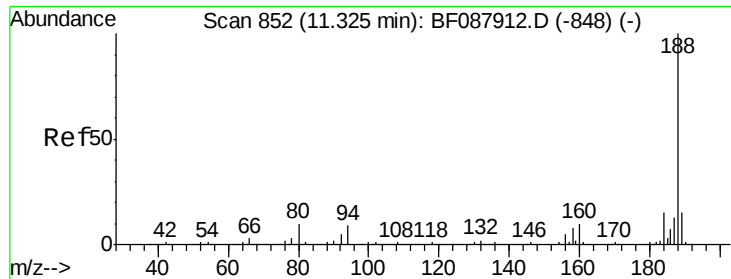
Tot Ion:330 Resp: 241652  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 0.0 0.0#  
 141 35.8 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 84.79 ng  
 RT: 9.16 min Scan# 663  
 Delta R.T. -0.01 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

Tgt Ion:172 Resp: 1170165  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.6 43.0  
 170 24.3 19.2 28.8

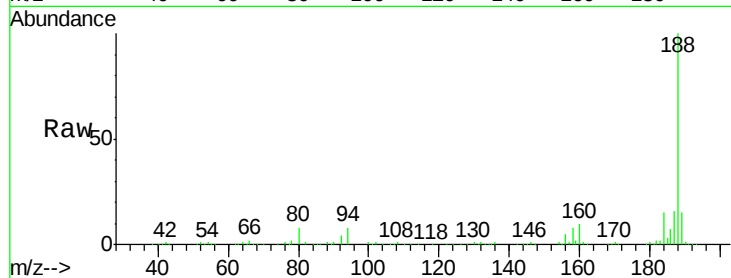




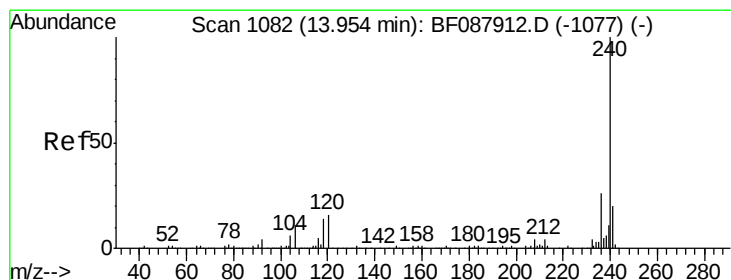
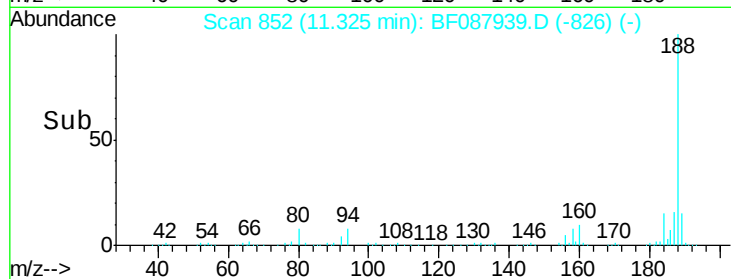
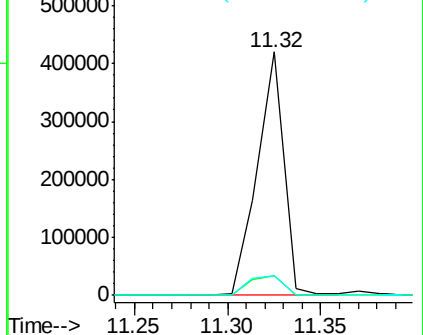
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: BF087939.D  
Acq: 12 Jun 2016 10:14

Instrument :  
BNA\_F  
ClientSampleId :  
SP16-JMW0801B

Tot Ion:188 Resp: 416268  
Ion Ratio Lower Upper  
188 100  
94 7.8 9.0 13.6#  
80 7.8 10.0 15.0#

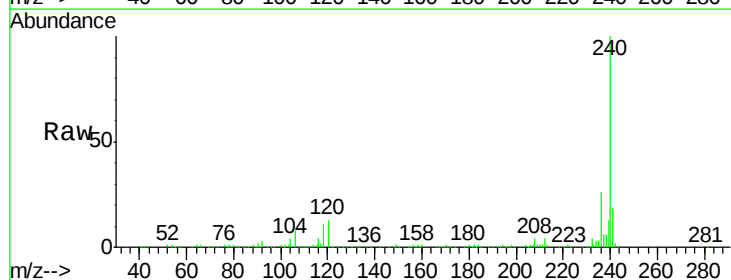


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

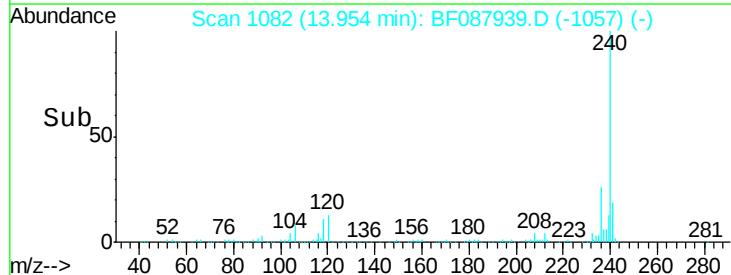
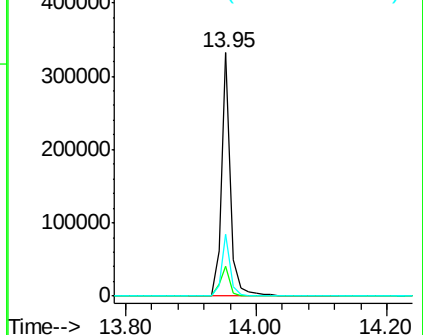


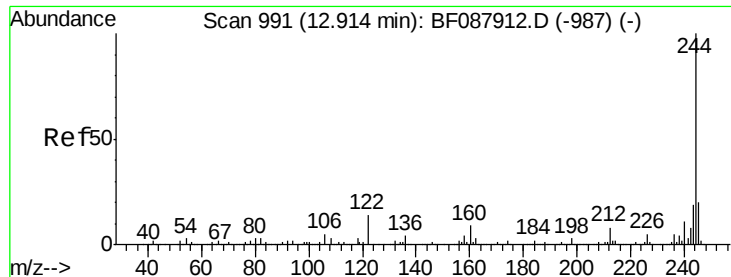
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 1082  
Delta R.T. -0.01 min  
Lab File: BF087939.D  
Acq: 12 Jun 2016 10:14

Tgt Ion:240 Resp: 324562  
Ion Ratio Lower Upper  
240 100  
120 12.5 6.8 10.2#  
236 25.6 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

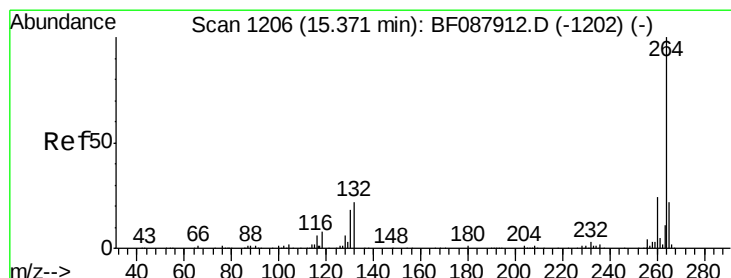
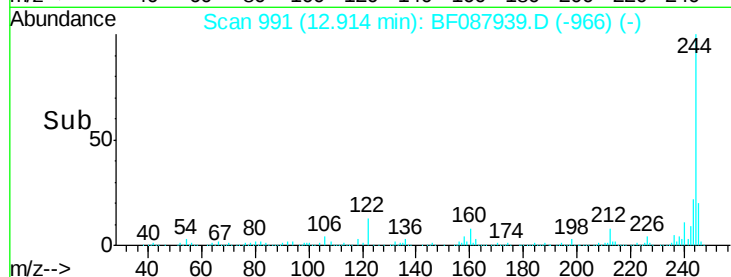
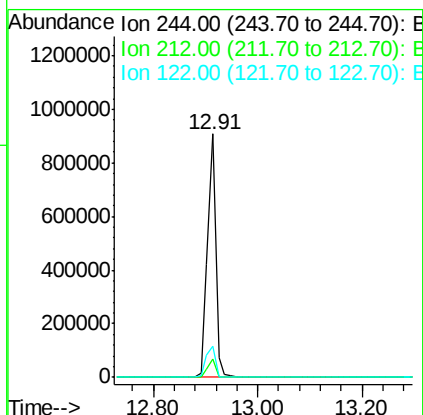
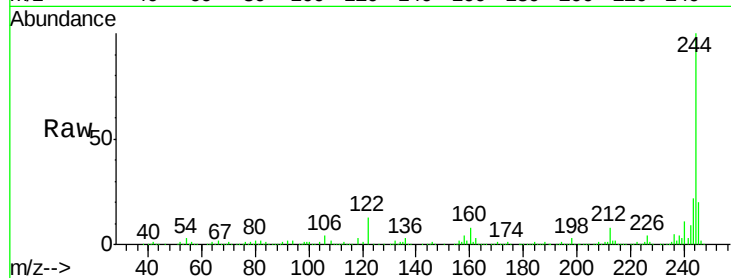




#78  
 Terphenyl-d14  
 Concen: 69.95 ng  
 RT: 12.91 min Scan# 991  
 Delta R.T. -0.01 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

Instrument :  
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Tot Ion:244 Resp: 997701  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.0 9.0  
 122 13.0 11.2 16.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.37 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: BF087939.D  
 Acq: 12 Jun 2016 10:14

Tgt Ion:264 Resp: 245854  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 21.3 16.9 25.3

