

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071917\  
 Data File : BM010893.D  
 Acq On : 19 Jul 2017 15:01  
 Operator : SJ/JU  
 Sample : I4234-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 20 01:08:21 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.44  | 152  | 190063   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.20 | 136  | 714656   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.09 | 164  | 470580   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.84 | 188  | 1223557  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.06 | 240  | 1373827  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.19 | 264  | 1086268  | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.07  | 112  | 260809   | 22.73 | ng    | 0.00     |
| 7) Phenol-d6                | 6.63  | 99   | 336235   | 21.26 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.58  | 82   | 286057   | 15.39 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.59 | 330  | 181747   | 25.27 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.70 | 172  | 613877   | 16.23 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.50 | 244  | 1163839  | 16.38 | ng    | 0.00     |

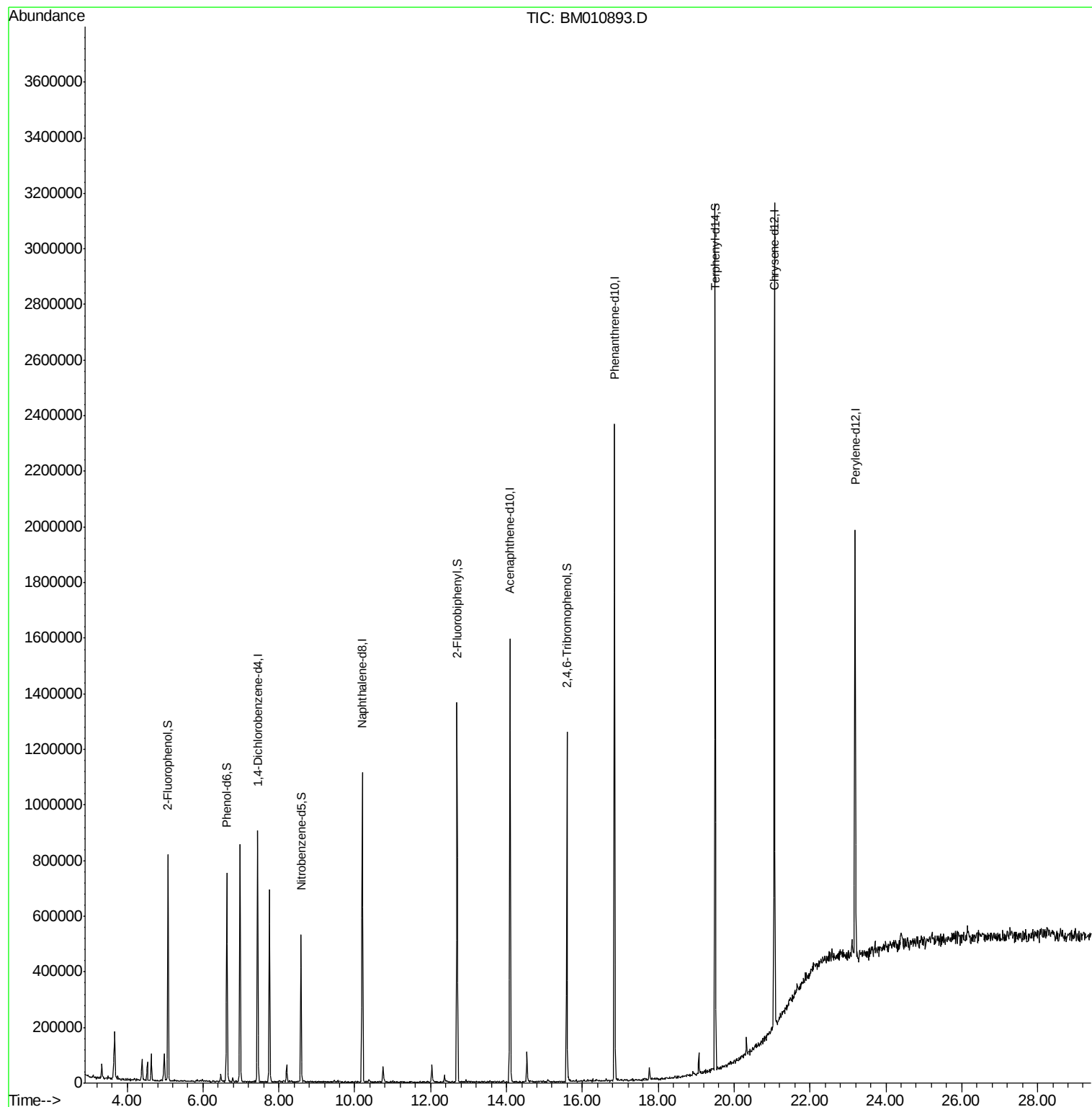
Target Compounds Qvalue

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

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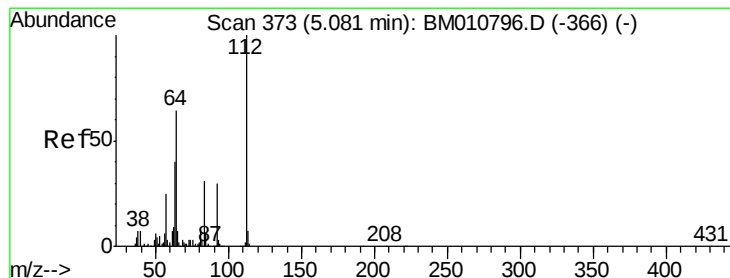
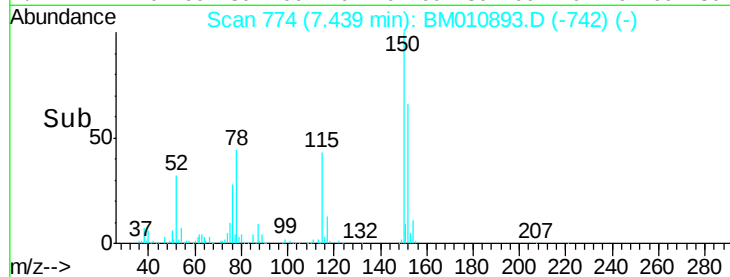
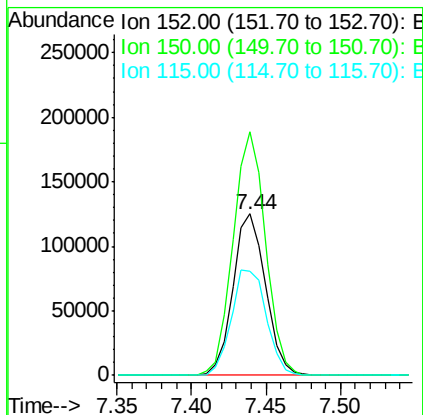
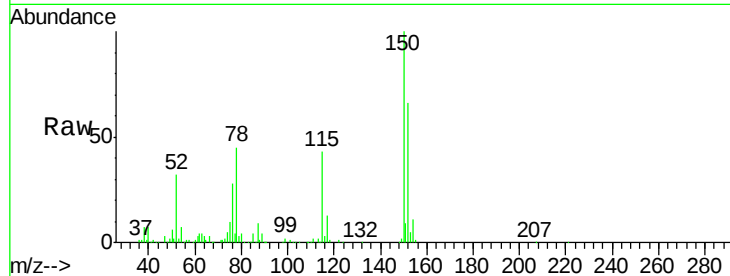


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM010893.D  
Acq: 19 Jul 2017 15:01

Instrument :  
BNA\_M  
ClientSampleId :

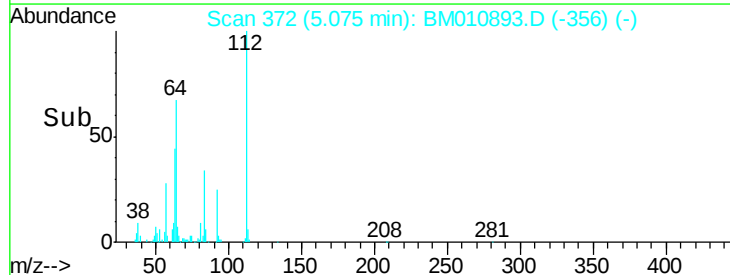
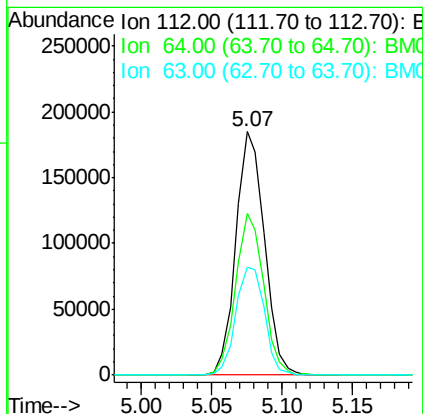
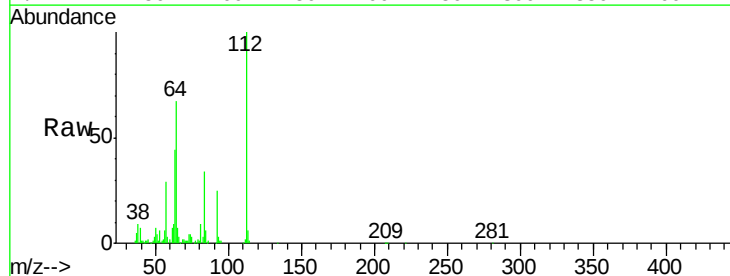
| Tot Ion | 152   | Resp  | 190063 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 152     | 100   |       |        |
| 150     | 151.1 | 119.5 | 179.3  |
| 115     | 64.7  | 43.0  | 64.4#  |

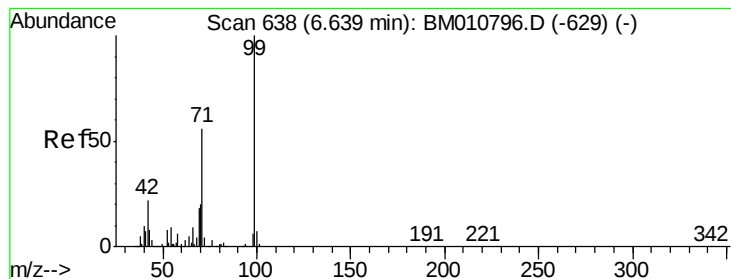


#5

2-Fluorophenol  
Concen: 22.73 ng  
RT: 5.07 min Scan# 372  
Delta R.T. -0.01 min  
Lab File: BM010893.D  
Acq: 19 Jul 2017 15:01

| Tgt Ion | 112   | Resp  | 260809 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 112     | 100   |       |        |
| 64      | 66.6  | 38.6  | 57.8#  |
| 63      | 44.4  | 19.3  | 28.9#  |





#7

Phenol-d6

Concen: 21.26 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.01 min

Lab File: BM010893.D

Acq: 19 Jul 2017 15:01

Instrument :

BNA\_M

ClientSampled :

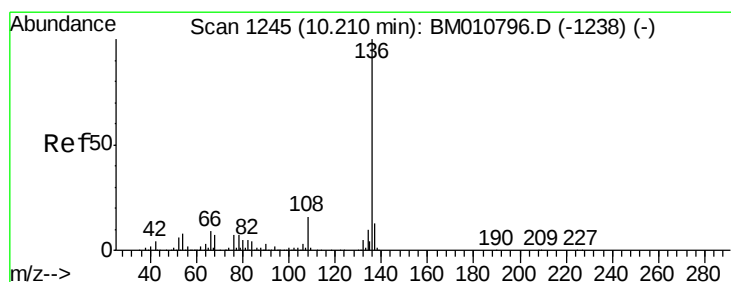
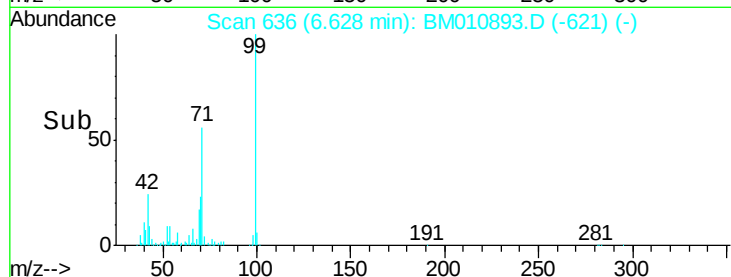
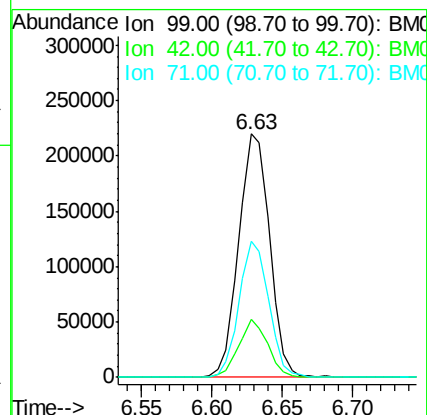
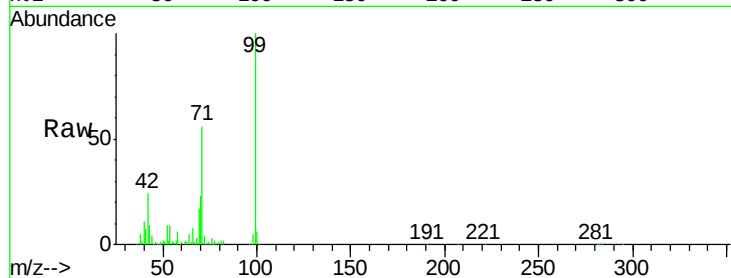
Tot Ion: 99 Resp: 336235

Ion Ratio Lower Upper

99 100

42 24.0 11.0 16.4#

71 56.1 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM010893.D

Acq: 19 Jul 2017 15:01

Tgt Ion: 136 Resp: 714656

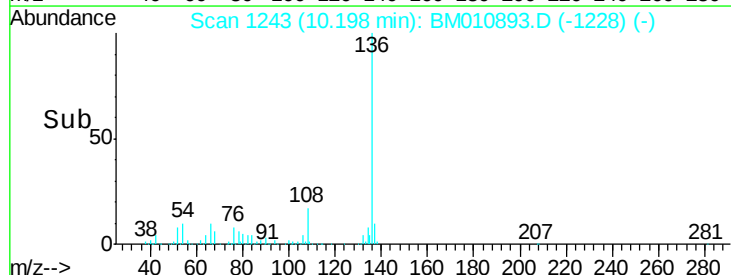
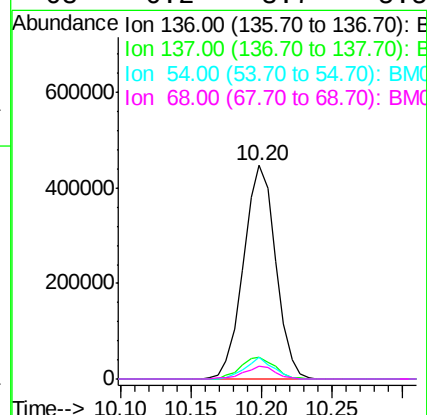
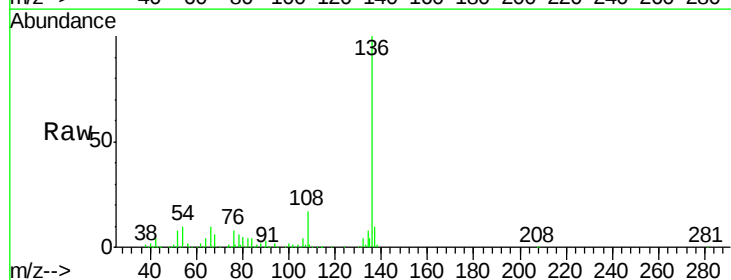
Ion Ratio Lower Upper

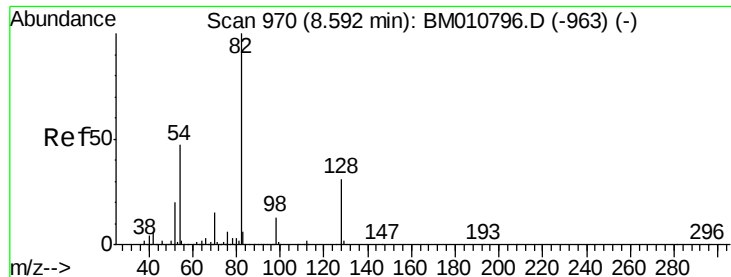
136 100

137 10.2 8.7 13.1

54 10.2 4.6 6.8#

68 6.2 3.7 5.5#

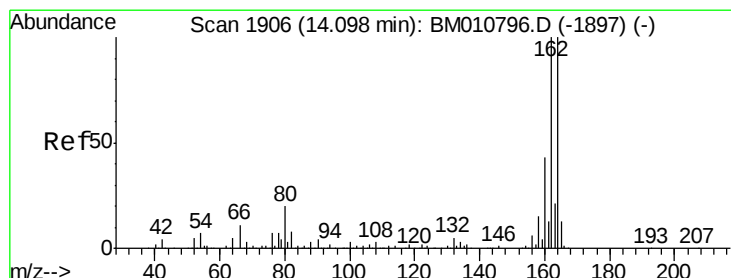
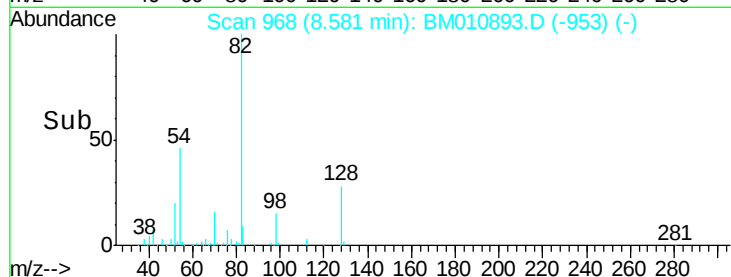
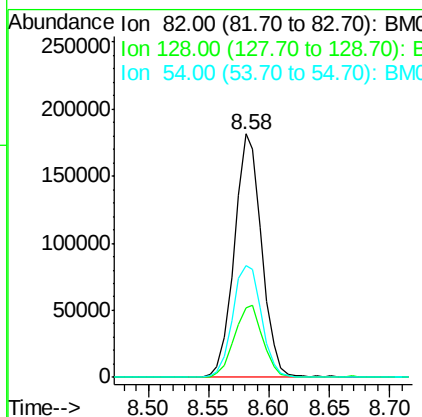
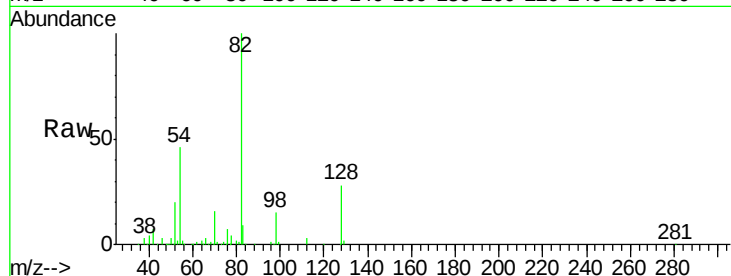




#23  
 Nitrobenzene-d5  
 Concen: 15.39 ng  
 RT: 8.58 min Scan# 968  
 Delta R.T. -0.01 min  
 Lab File: BM010893.D  
 Acq: 19 Jul 2017 15:01

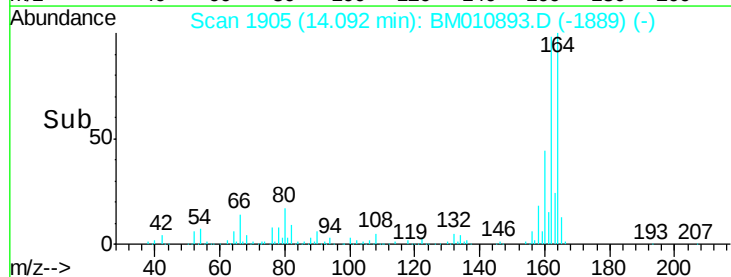
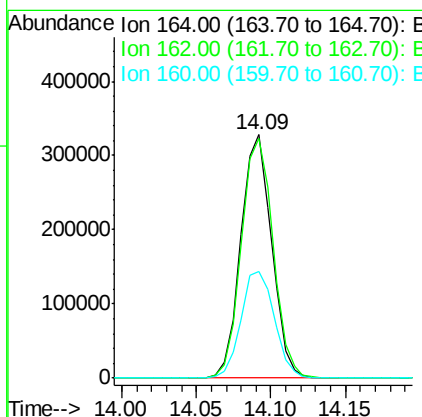
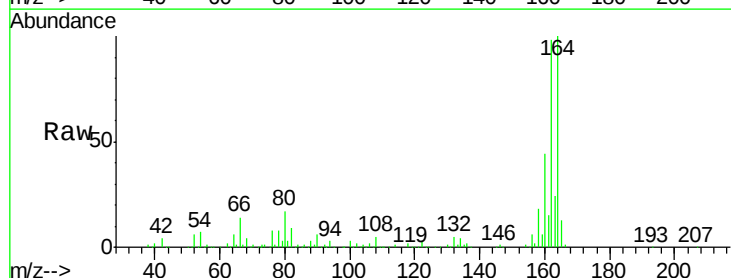
Instrument :  
 BNA\_M  
 ClientSampleID :

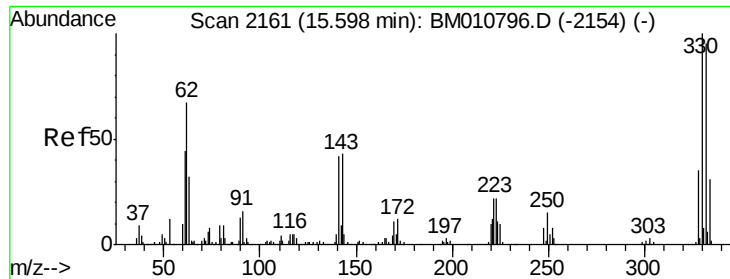
| Tot Ion   | 82   | Resp  | 286057 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 28.4 | 32.8  | 49.2#  |
| 54        | 45.9 | 40.6  | 60.8   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.09 min Scan# 1905  
 Delta R.T. -0.01 min  
 Lab File: BM010893.D  
 Acq: 19 Jul 2017 15:01

| Tgt Ion   | 164  | Resp  | 470580 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 162       | 98.4 | 82.4  | 123.6  |
| 160       | 44.1 | 35.8  | 53.6   |

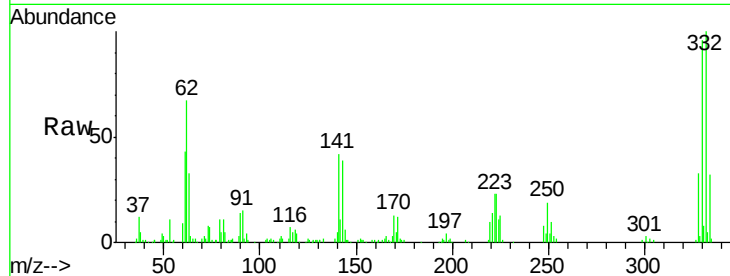




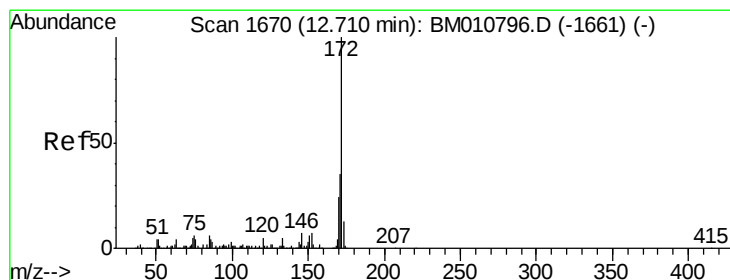
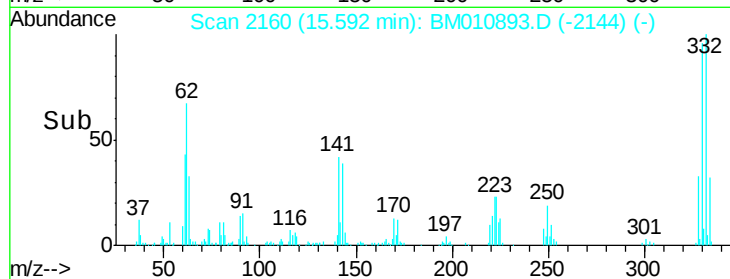
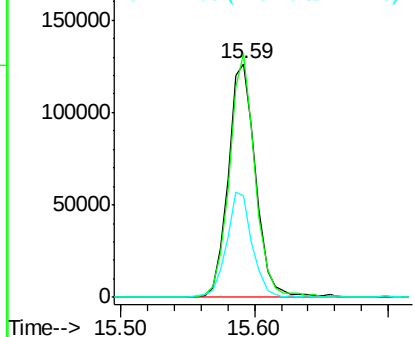
#41  
 2,4,6-Tribromophenol  
 Concen: 25.27 ng  
 RT: 15.59 min Scan# 2160  
 Delta R.T. -0.01 min  
 Lab File: BM010893.D  
 Acq: 19 Jul 2017 15:01

Instrument :  
 BNA\_M  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 0.0   | 0.0#  |
| 141     | 42.4  | 0.0   | 0.0#  |

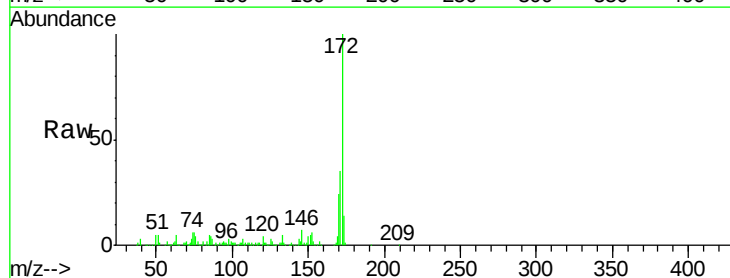


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

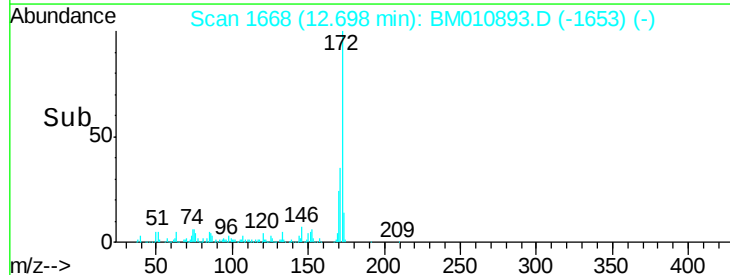
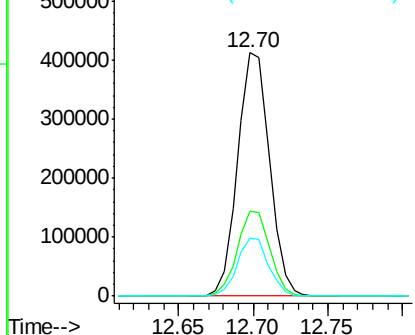


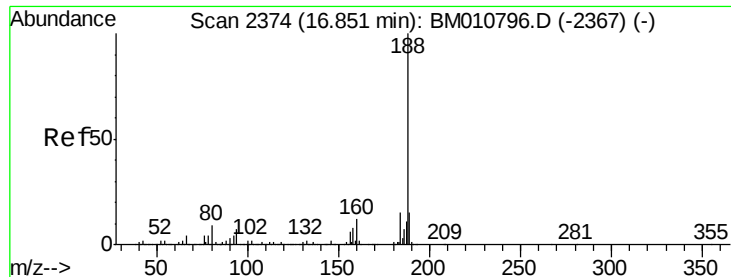
#44  
 2-Fluorobiphenyl  
 Concen: 16.23 ng  
 RT: 12.70 min Scan# 1668  
 Delta R.T. -0.01 min  
 Lab File: BM010893.D  
 Acq: 19 Jul 2017 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 28.5  | 42.7  |
| 170     | 23.6  | 18.8  | 28.2  |



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: 16.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BM010893.D

Acq: 19 Jul 2017 15:01

Instrument :

BNA\_M

ClientSampleId :

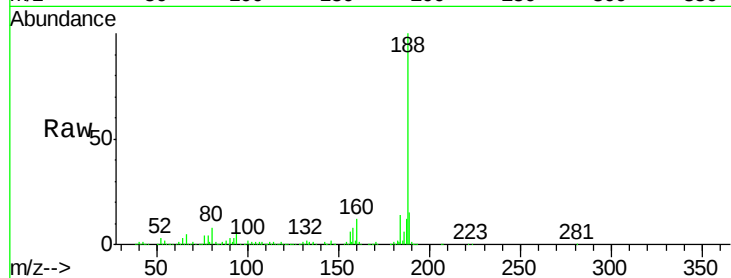
Tot Ion:188 Resp: 1223557

Ion Ratio Lower Upper

188 100

94 6.2 8.7 13.1#

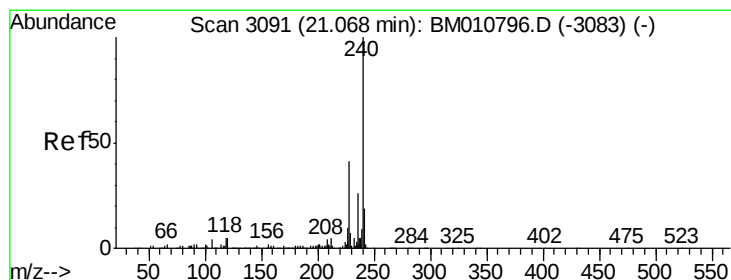
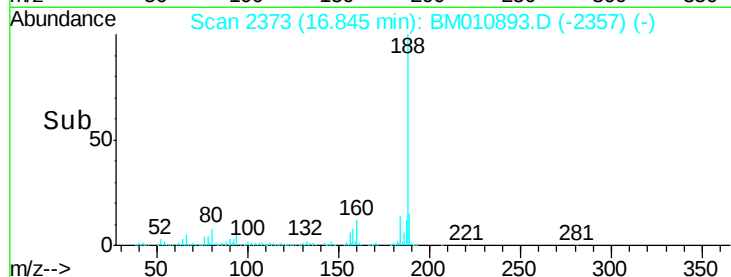
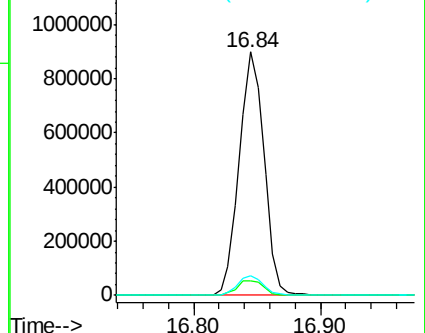
80 8.0 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010893.D

Acq: 19 Jul 2017 15:01

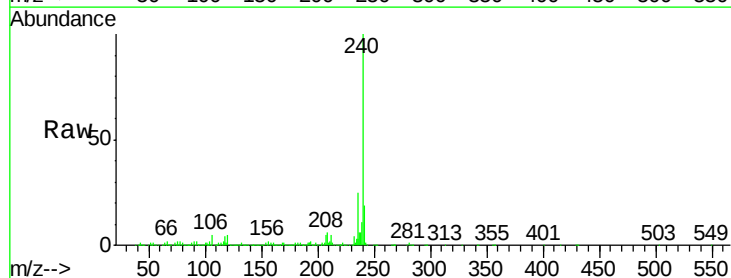
Tgt Ion:240 Resp: 1373827

Ion Ratio Lower Upper

240 100

120 4.9 8.2 12.2#

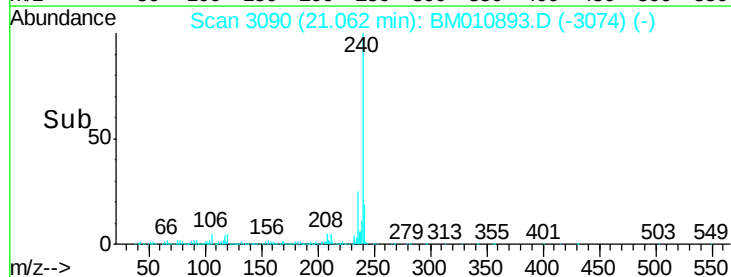
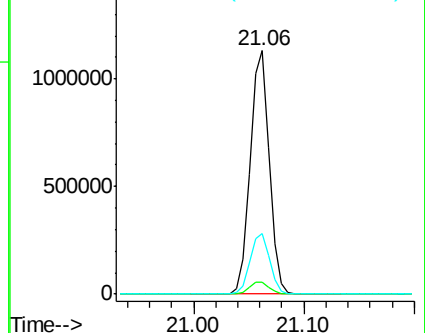
236 25.1 20.0 30.0



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: 16.38 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM010893.D

Acq: 19 Jul 2017 15:01

Instrument :

BNA\_M

ClientSampled :

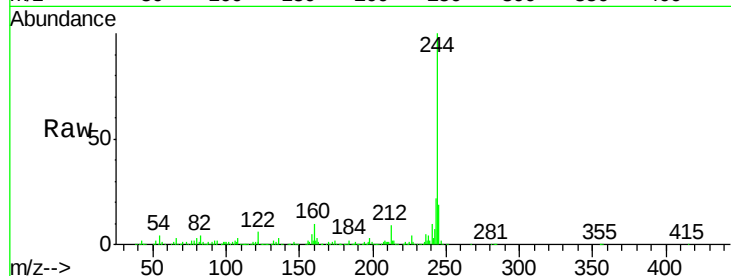
Tot Ion:244 Resp: 1163839

Ion Ratio Lower Upper

244 100

212 9.0 4.9 7.3#

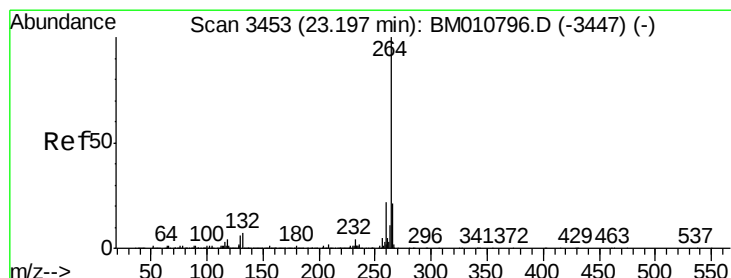
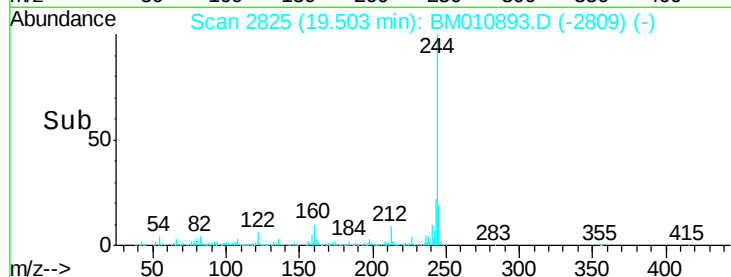
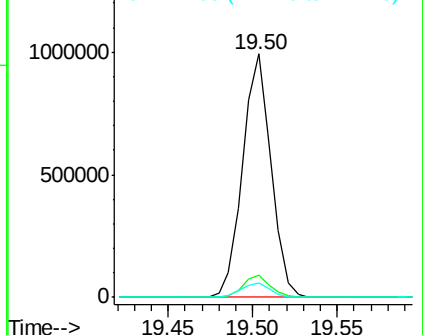
122 6.1 6.2 9.4#



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: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM010893.D

Acq: 19 Jul 2017 15:01

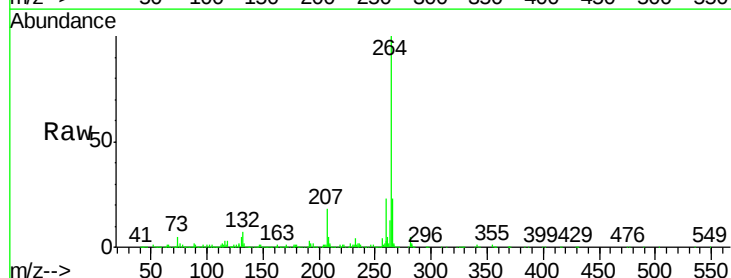
Tgt Ion:264 Resp: 1086268

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 23.1 17.3 25.9



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

