

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072817\  
 Data File : BM011044.D  
 Acq On : 28 Jul 2017 16:30  
 Operator : SJ/JU  
 Sample : I4432-09  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-4

Quant Time: Jul 28 22:51:28 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 207216   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.15 | 136  | 814644   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.04 | 164  | 576222   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 16.80 | 188  | 1503272  | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 21.02 | 240  | 1763938  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.13 | 264  | 1423465  | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.02  | 112  | 229822   | 18.75 | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 205124   | 11.78 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 839178   | 38.66 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.55 | 330  | 383505   | 41.52 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 12.65 | 172  | 1674080  | 36.44 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.46 | 244  | 3047356  | 34.22 | ng    | 0.00     |

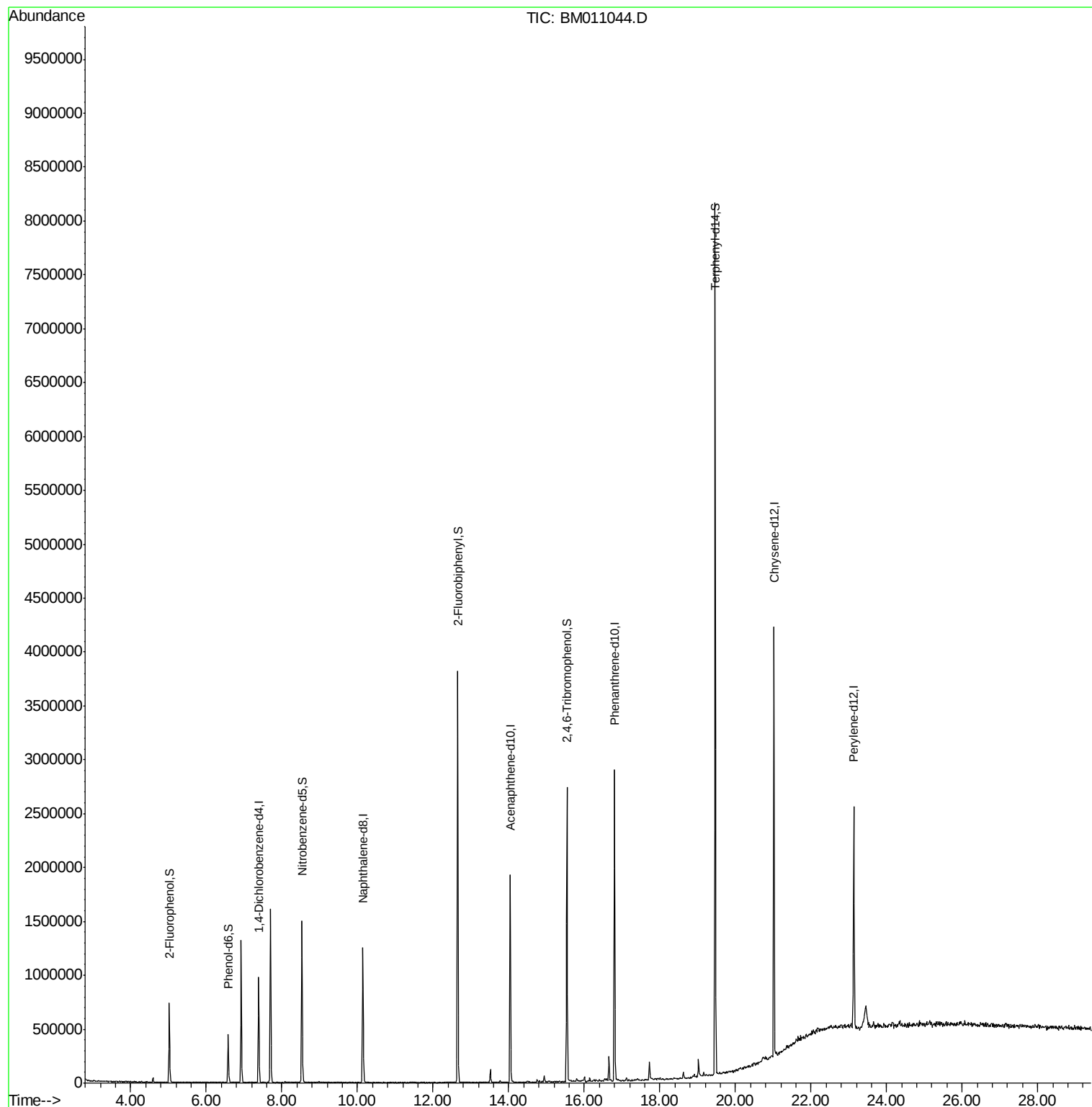
Target Compounds Qvalue

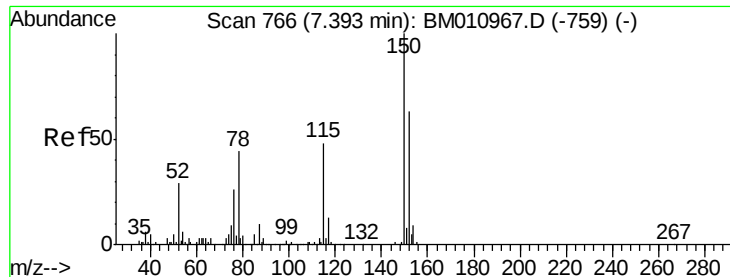
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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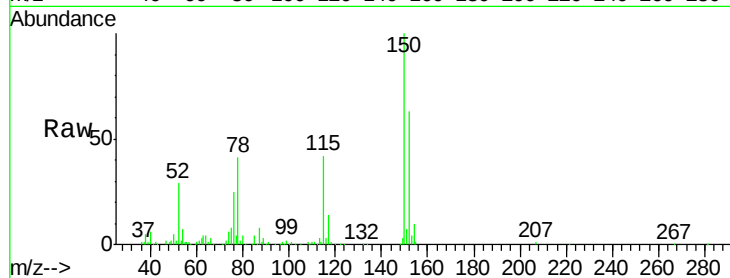


#1

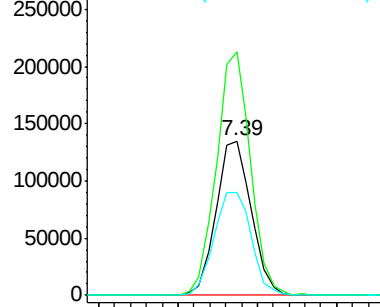
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011044.D  
Acq: 28 Jul 2017 16:30

Instrument :  
BNA\_M  
ClientSampleId :  
MW-4

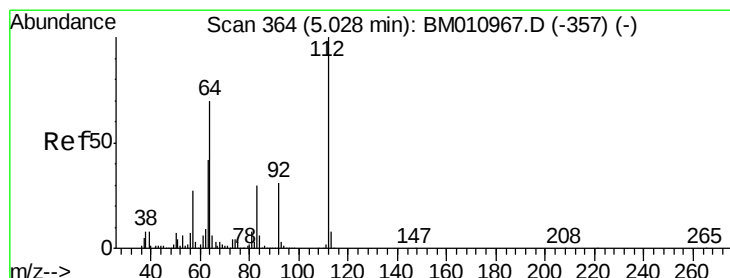
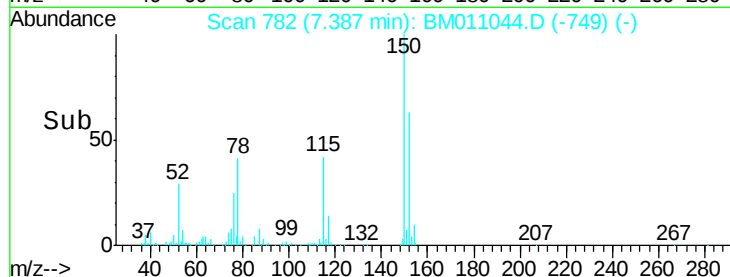
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 119.5 | 179.3 |
| 115     | 66.3  | 43.0  | 64.4  |



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



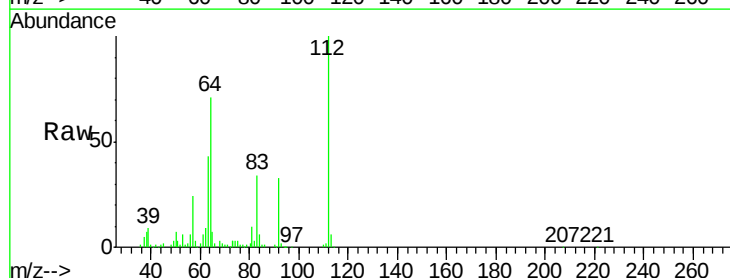
Time-->



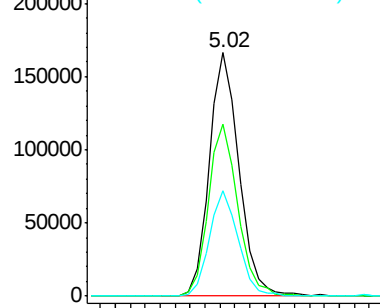
#5

2-Fluorophenol  
Concen: 18.75 ng  
RT: 5.02 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: BM011044.D  
Acq: 28 Jul 2017 16:30

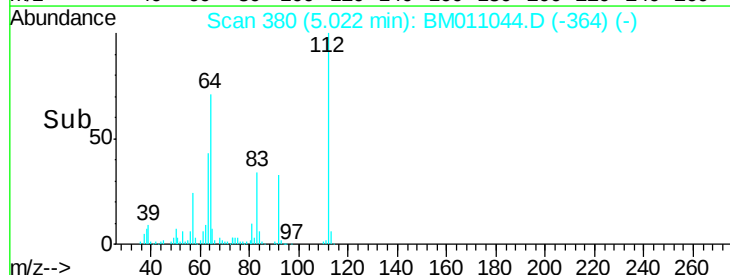
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.7  | 38.6  | 57.8  |
| 63      | 43.1  | 19.3  | 28.9  |

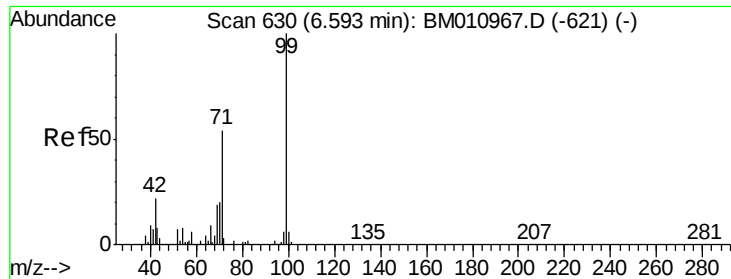


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0



Time-->





#7

Phenol-d6

Concen: 11.78 ng

RT: 6.58 min Scan# 644

Delta R.T. -0.02 min

Lab File: BM011044.D

Acq: 28 Jul 2017 16:30

Instrument :

BNA\_M

ClientSampleId :

MW-4

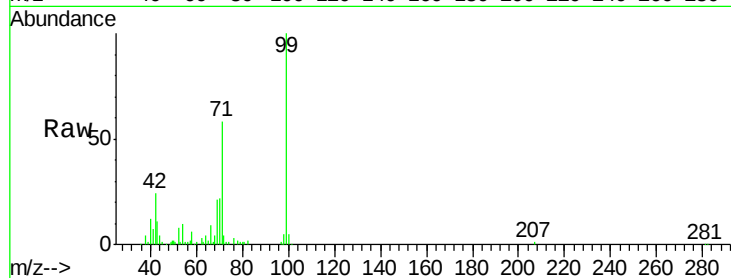
Tot Ion: 99 Resp: 205124

Ion Ratio Lower Upper

99 100

42 24.0 11.0 16.4#

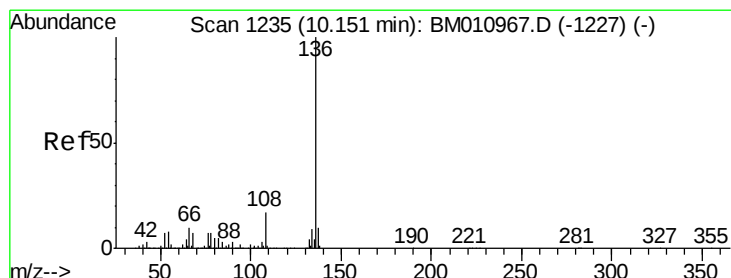
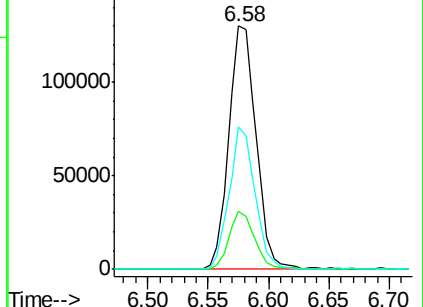
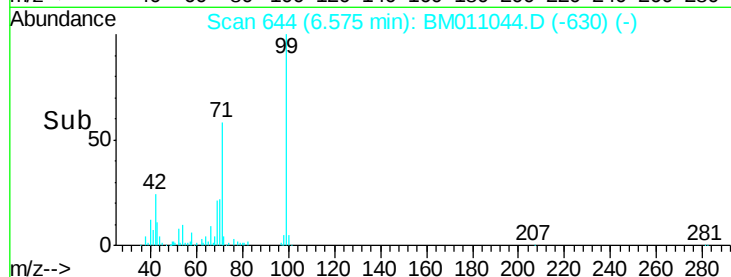
71 58.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011044.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011044.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011044.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.15 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BM011044.D

Acq: 28 Jul 2017 16:30

Tgt Ion: 136 Resp: 814644

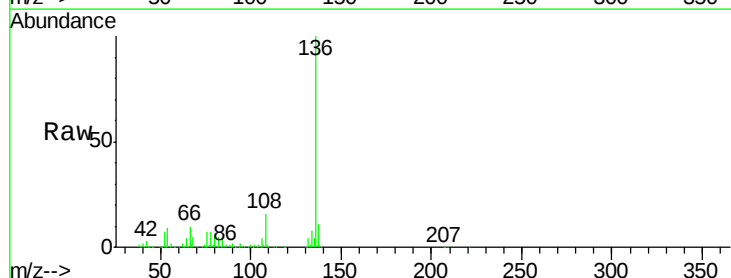
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 8.7 4.6 6.8#

68 5.2 3.7 5.5

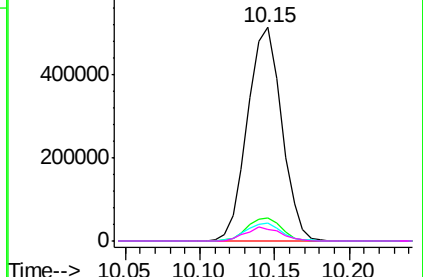
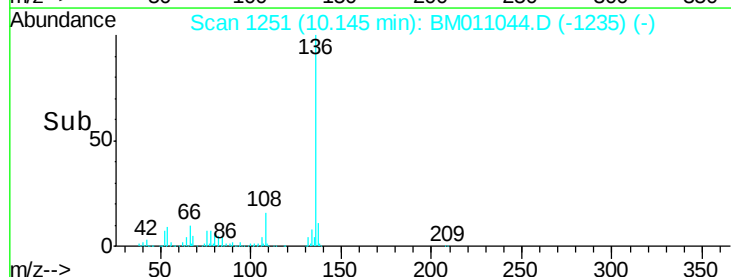


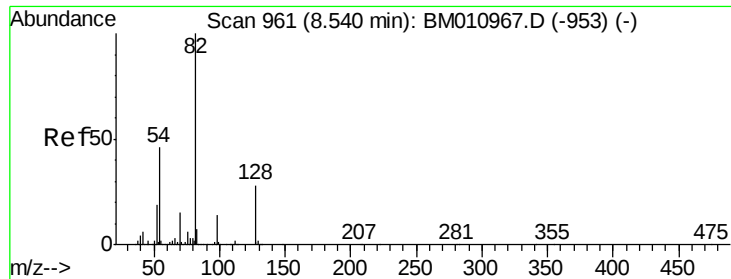
Abundance Ion 136.00 (135.70 to 136.70): BM011044.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM011044.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM011044.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM011044.D (-1235) (-)

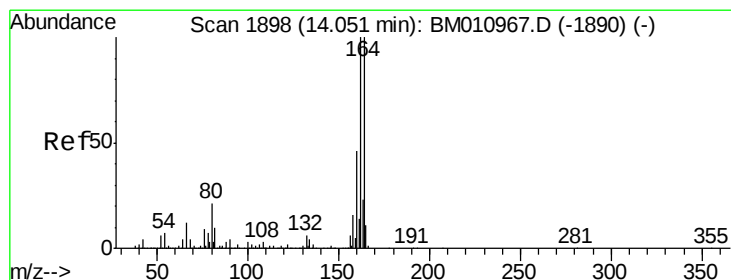
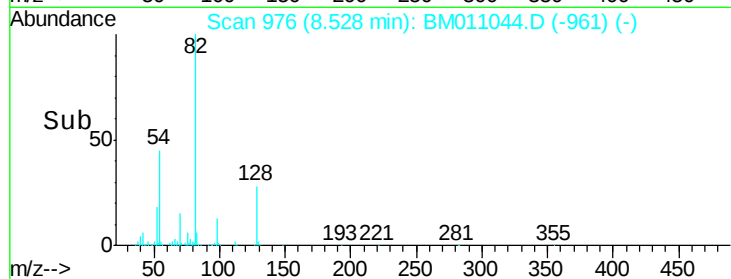
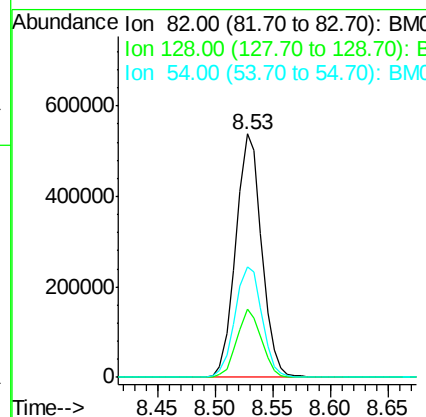
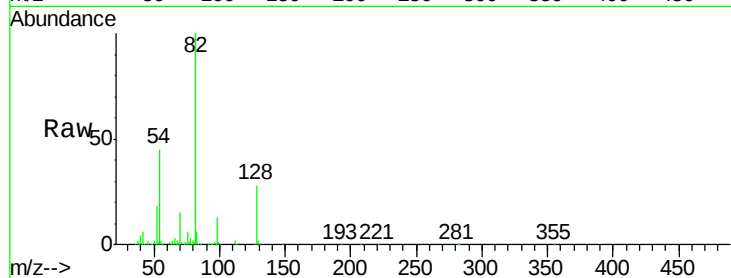




#23  
 Nitrobenzene-d5  
 Concen: 38.66 ng  
 RT: 8.53 min Scan# 976  
 Delta R.T. -0.01 min  
 Lab File: BM011044.D  
 Acq: 28 Jul 2017 16:30

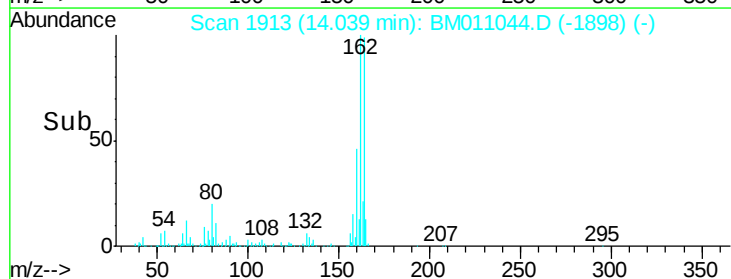
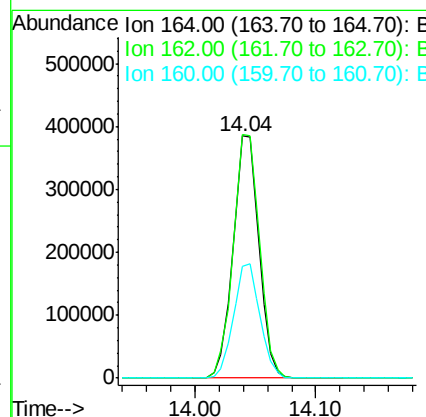
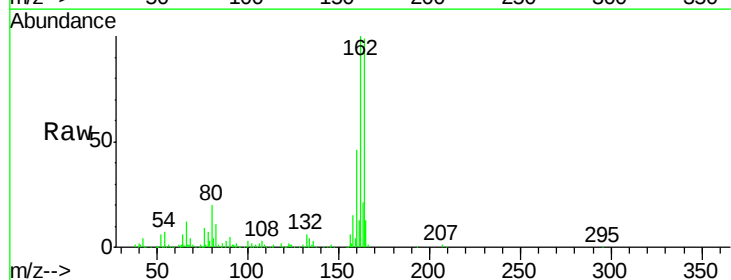
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-4

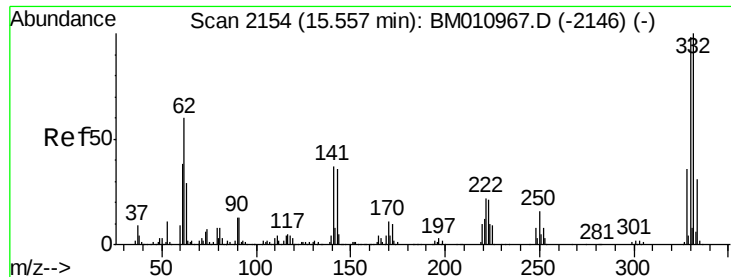
| Tot Ion   | 82    | Resp  | 839178 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 28.0  | 32.8  | 49.2#  |
| 54        | 45.4  | 40.6  | 60.8   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.04 min Scan# 1913  
 Delta R.T. -0.01 min  
 Lab File: BM011044.D  
 Acq: 28 Jul 2017 16:30

| Tgt Ion   | 164   | Resp  | 576222 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.7 | 82.4  | 123.6  |
| 160       | 46.1  | 35.8  | 53.6   |

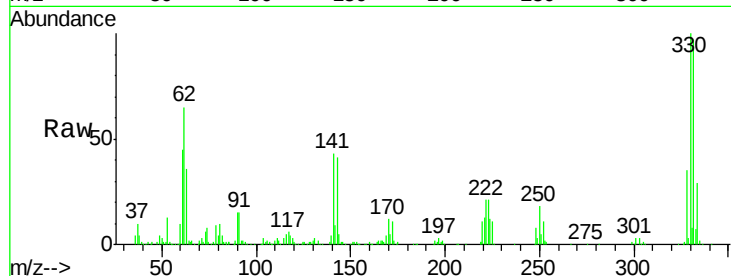




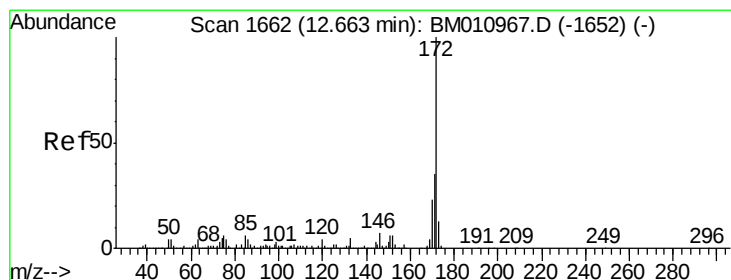
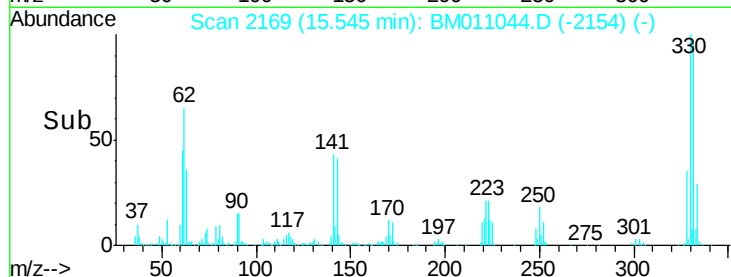
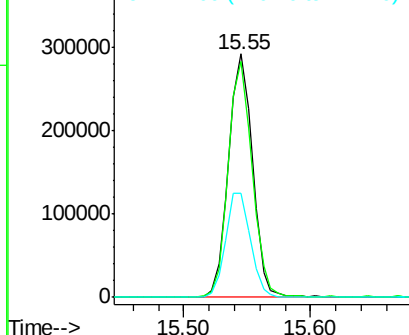
#41  
 2,4,6-Tribromophenol  
 Concen: 41.52 ng  
 RT: 15.55 min Scan# 2169  
 Delta R.T. -0.01 min  
 Lab File: BM011044.D  
 Acq: 28 Jul 2017 16:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 0.0   | 0.0#  |
| 141     | 44.1  | 0.0   | 0.0#  |

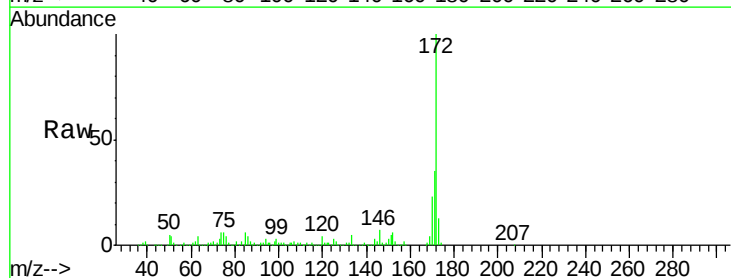


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

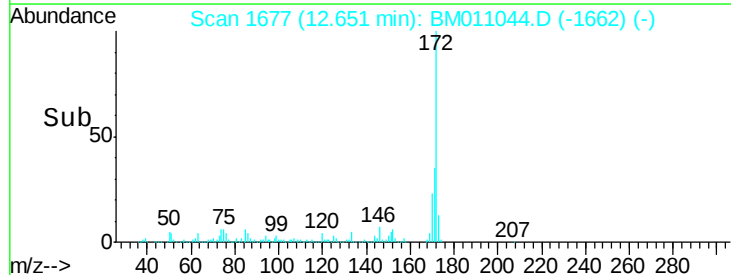
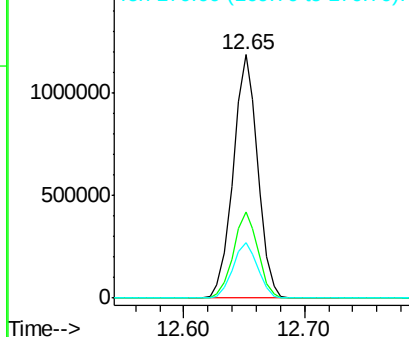


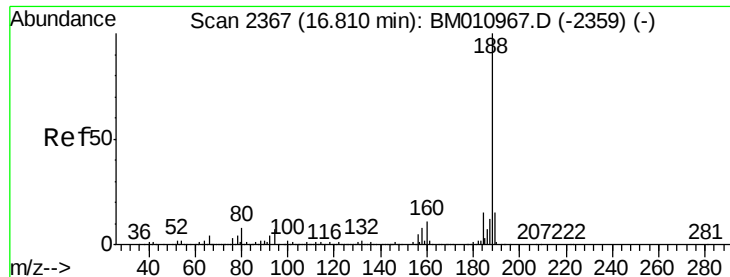
#44  
 2-Fluorobiphenyl  
 Concen: 36.44 ng  
 RT: 12.65 min Scan# 1677  
 Delta R.T. -0.01 min  
 Lab File: BM011044.D  
 Acq: 28 Jul 2017 16:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.5  | 42.7  |
| 170     | 22.9  | 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

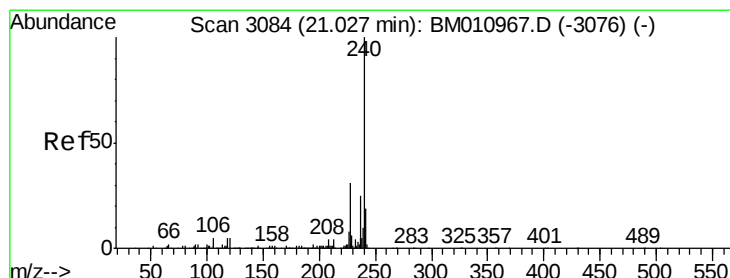
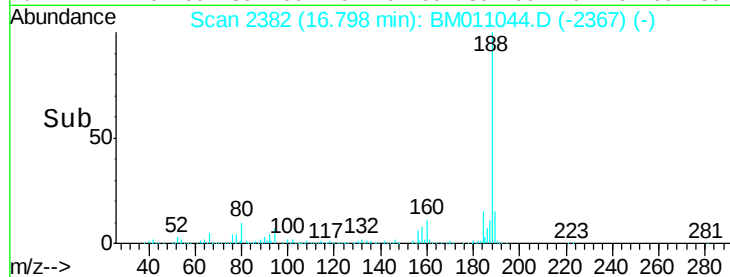
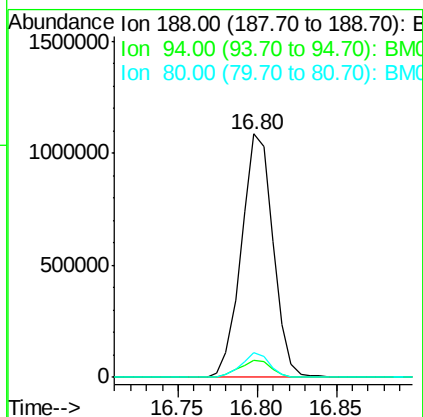
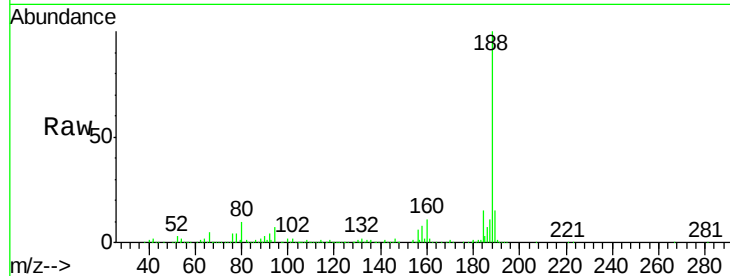




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.80 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BM011044.D  
Acq: 28 Jul 2017 16:30

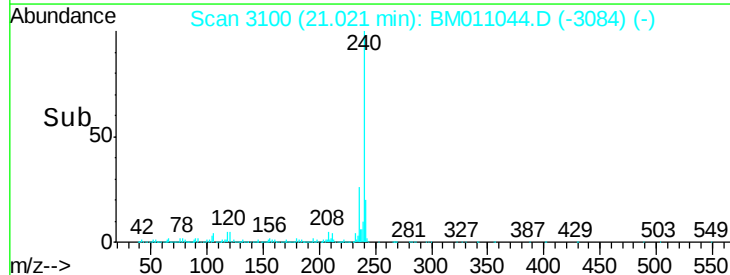
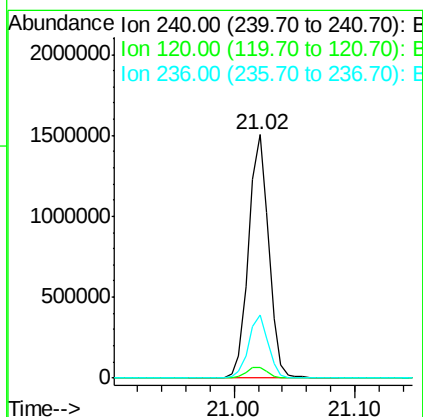
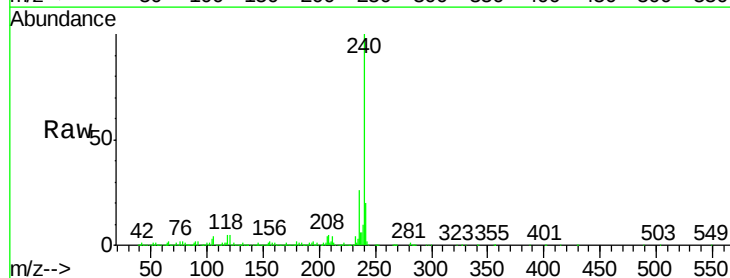
Instrument :  
BNA\_M  
ClientSampleId :  
MW-4

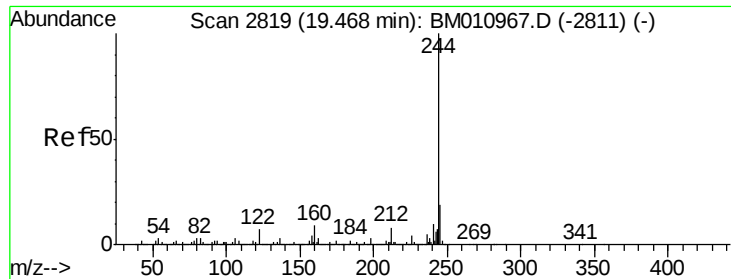
Tot Ion:188 Resp: 1503272  
Ion Ratio Lower Upper  
188 100  
94 7.0 8.7 13.1#  
80 9.9 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.02 min Scan# 3100  
Delta R.T. -0.01 min  
Lab File: BM011044.D  
Acq: 28 Jul 2017 16:30

Tgt Ion:240 Resp: 1763938  
Ion Ratio Lower Upper  
240 100  
120 4.6 8.2 12.2#  
236 25.7 20.0 30.0





#78

Terphenyl-d14

Concen: 34.22 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011044.D

Acq: 28 Jul 2017 16:30

Instrument :

BNA\_M

ClientSampleId :

MW-4

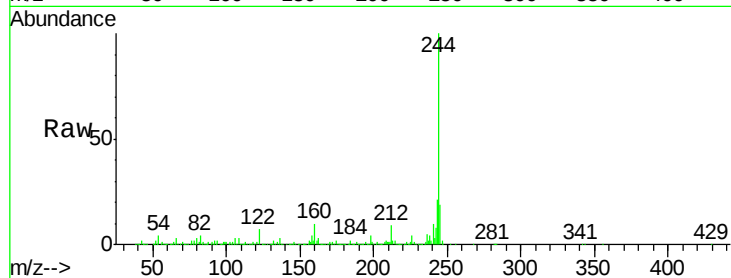
Tot Ion:244 Resp: 3047356

Ion Ratio Lower Upper

244 100

212 9.5 4.9 7.3#

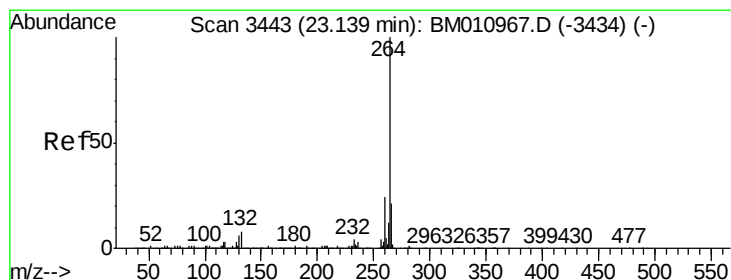
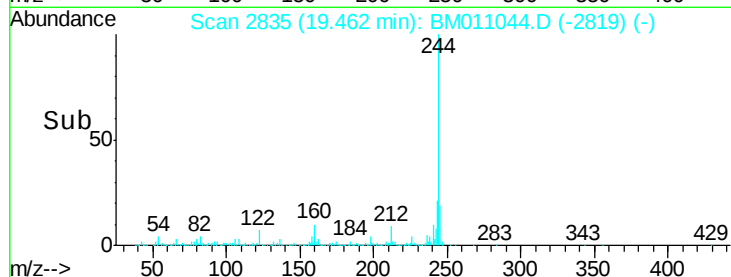
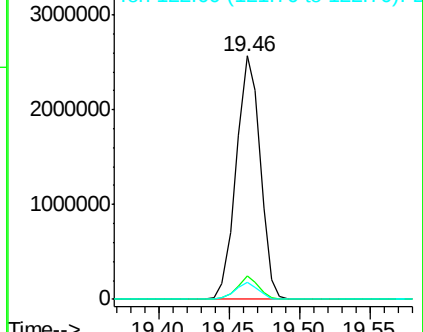
122 7.1 6.2 9.4



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: 23.13 min Scan# 3459

Delta R.T. -0.01 min

Lab File: BM011044.D

Acq: 28 Jul 2017 16:30

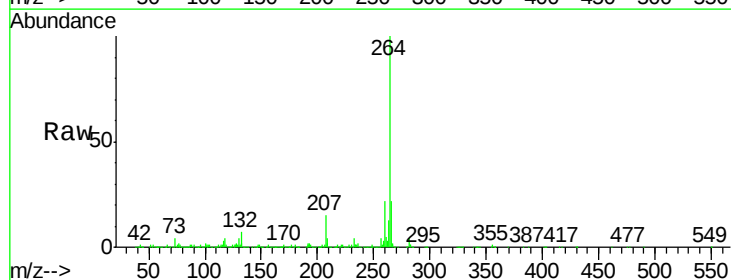
Tgt Ion:264 Resp: 1423465

Ion Ratio Lower Upper

264 100

260 22.3 18.6 27.8

265 22.4 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

