

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072717\  
 Data File : BM011014.D  
 Acq On : 27 Jul 2017 17:11  
 Operator : SJ/JU  
 Sample : I4432-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 28 01:05:38 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

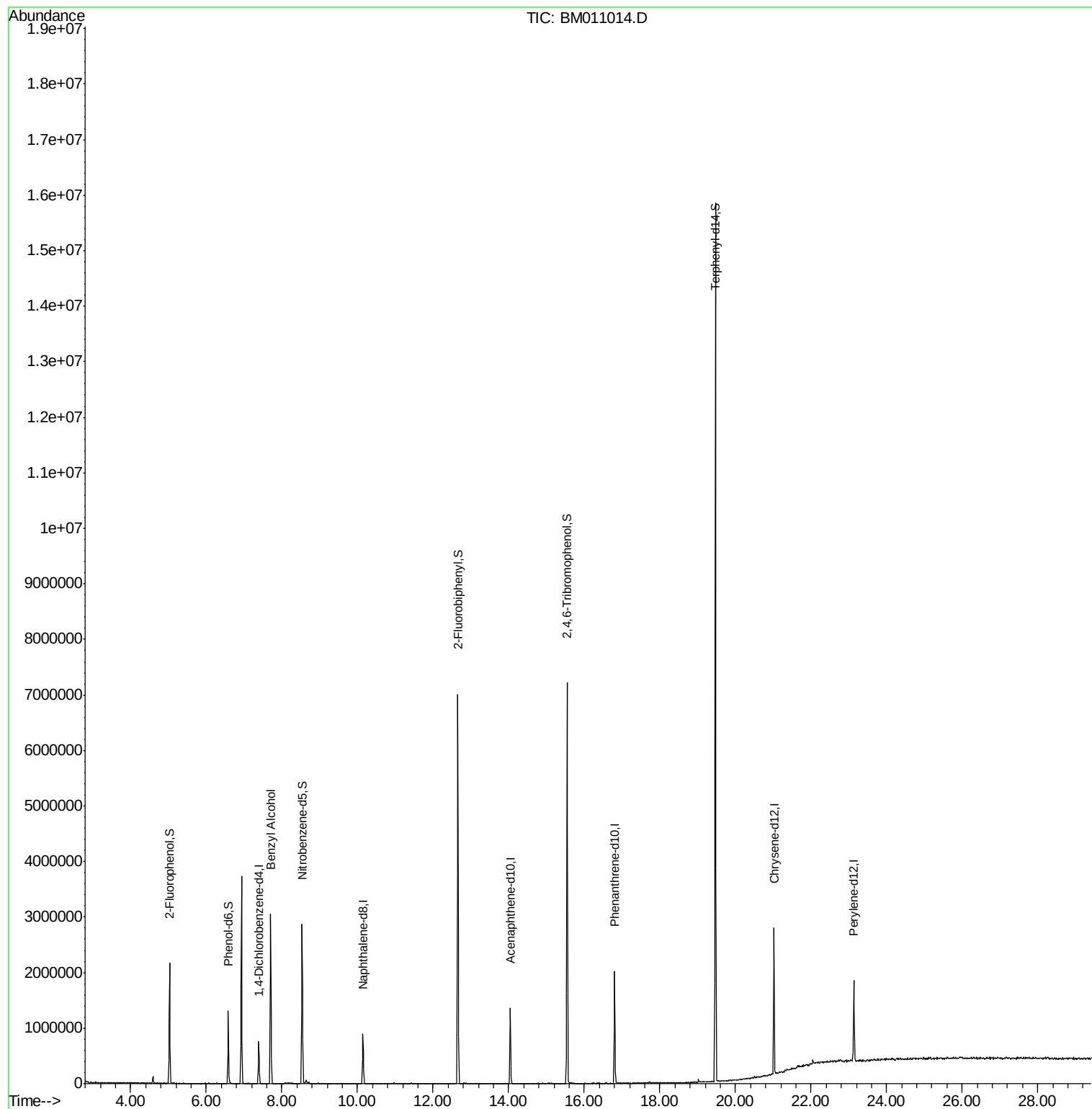
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 150268   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.15 | 136  | 566752   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.04 | 164  | 367261   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 16.80 | 188  | 1027826  | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.02 | 240  | 1208352  | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 23.13 | 264  | 971641   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.03  | 112  | 626996   | 70.53  | ng    | 0.00           |
| 7) Phenol-d6                | 6.58  | 99   | 541110   | 42.84  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1559697  | 103.29 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 15.55 | 330  | 948594   | 161.15 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 12.66 | 172  | 3013077  | 102.89 | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.47 | 244  | 5666383  | 92.89  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 15) Benzyl Alcohol          | 7.70  | 79   | 28063    | 2.32   | ng    | Qvalue<br># 36 |

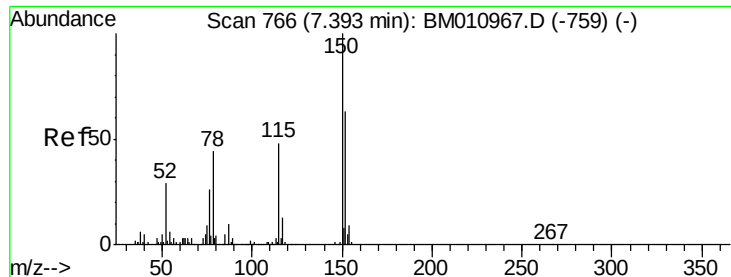
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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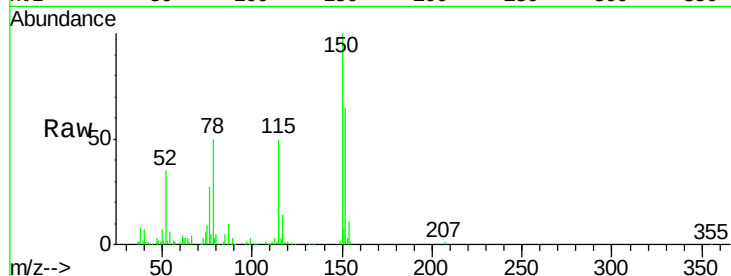


#1

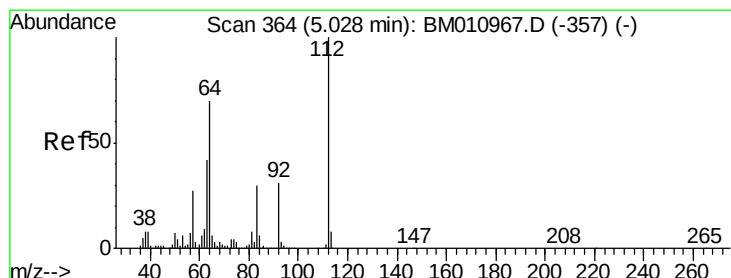
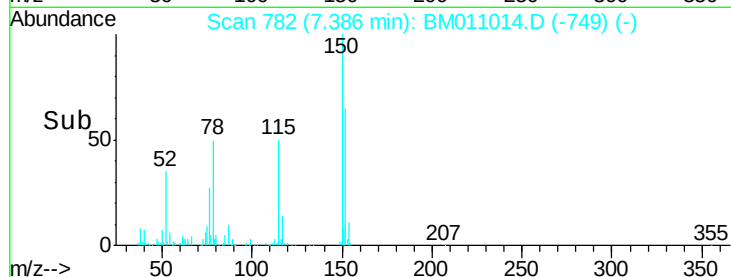
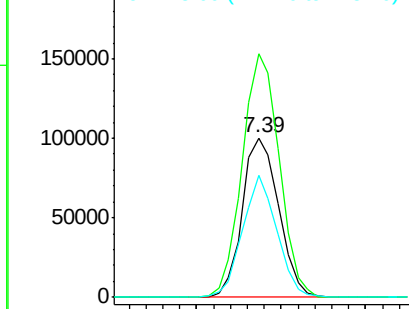
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011014.D  
Acq: 27 Jul 2017 17:11

Instrument :  
BNA\_M  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.8 | 119.5 | 179.3 |
| 115     | 76.3  | 43.0  | 64.4  |



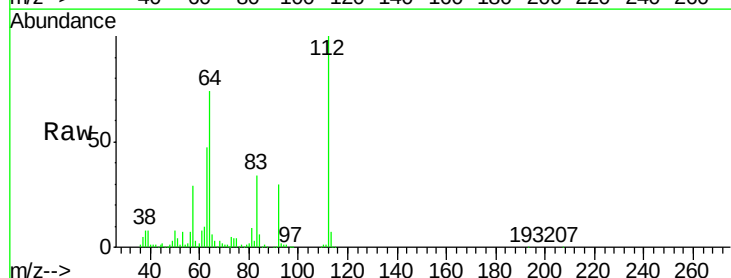
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



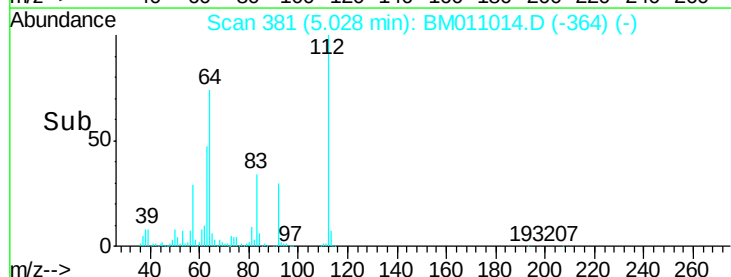
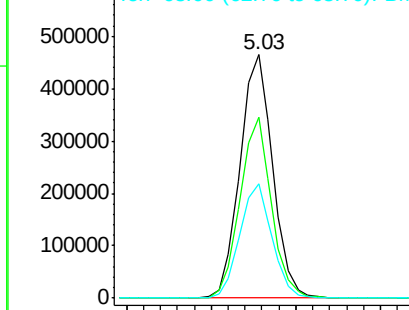
#5

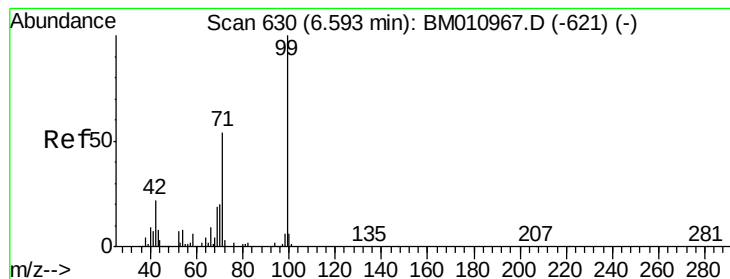
2-Fluorophenol  
Concen: 70.53 ng  
RT: 5.03 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: BM011014.D  
Acq: 27 Jul 2017 17:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.3  | 38.6  | 57.8  |
| 63      | 46.8  | 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





#7

Phenol-d6

Concen: 42.84 ng

RT: 6.58 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM011014.D

Acq: 27 Jul 2017 17:11

Instrument :

BNA\_M

ClientSampled :

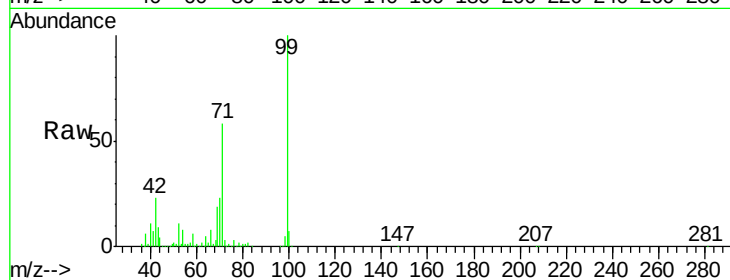
Tot Ion: 99 Resp: 541110

Ion Ratio Lower Upper

99 100

42 23.0 11.0 16.4#

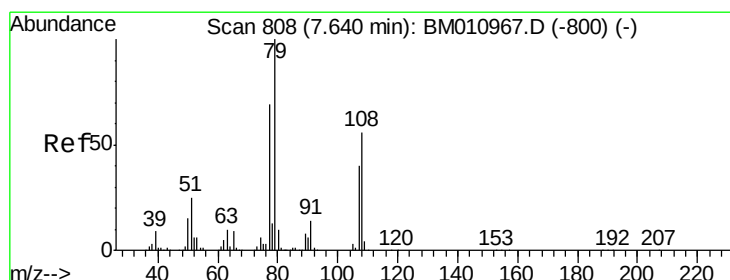
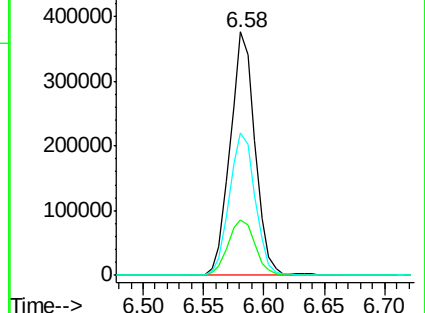
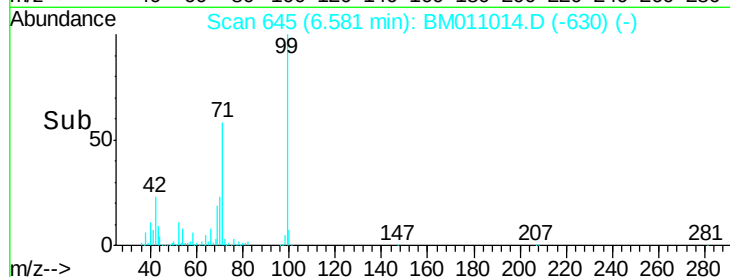
71 58.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011014.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011014.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011014.D (-630) (-)



#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 7.70 min Scan# 836

Delta R.T. 0.06 min

Lab File: BM011014.D

Acq: 27 Jul 2017 17:11

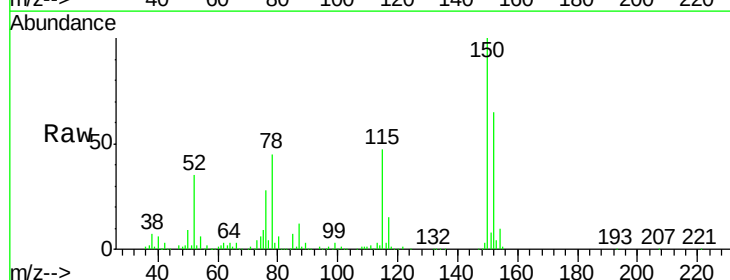
Tgt Ion: 79 Resp: 28063

Ion Ratio Lower Upper

79 100

108 44.7 65.0 97.4#

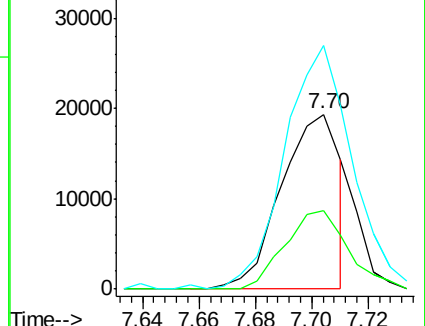
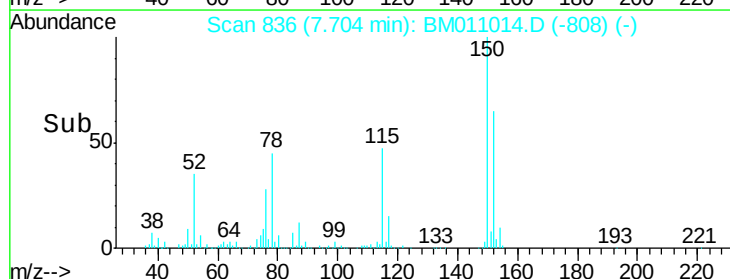
77 139.4 53.0 79.6#

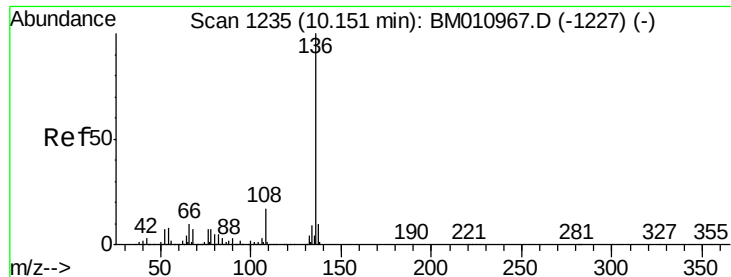


Abundance Ion 79.00 (78.70 to 79.70): BM011014.D (-808) (-)

Ion 108.00 (107.70 to 108.70): BM011014.D (-808) (-)

Ion 77.00 (76.70 to 77.70): BM011014.D (-808) (-)

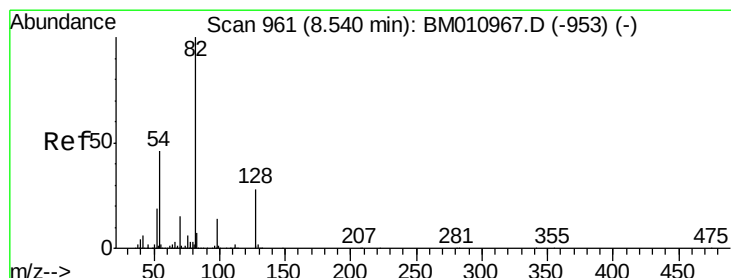
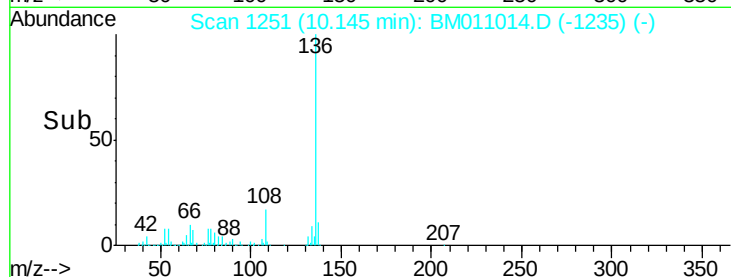
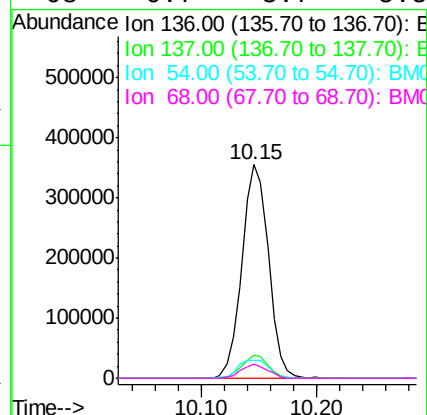
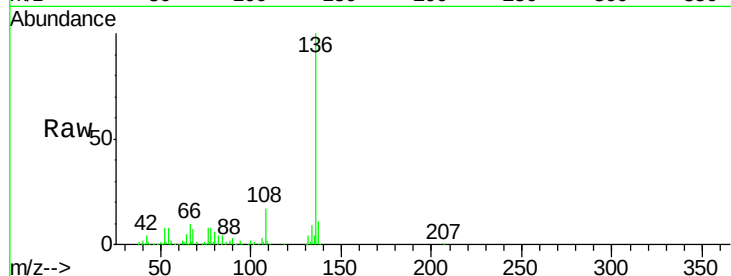




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.15 min Scan# 1251  
Delta R.T. -0.01 min  
Lab File: BM011014.D  
Acq: 27 Jul 2017 17:11

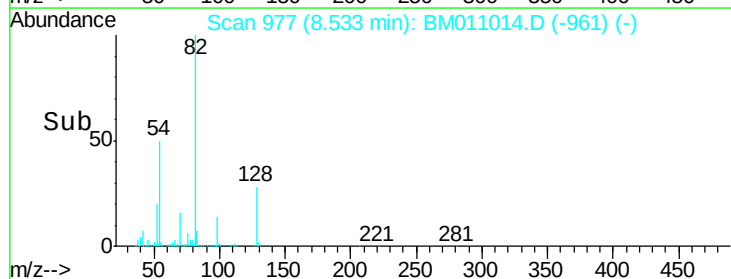
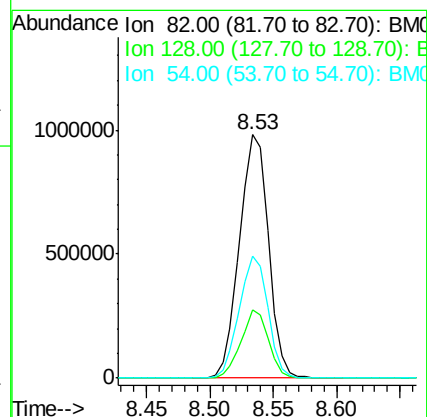
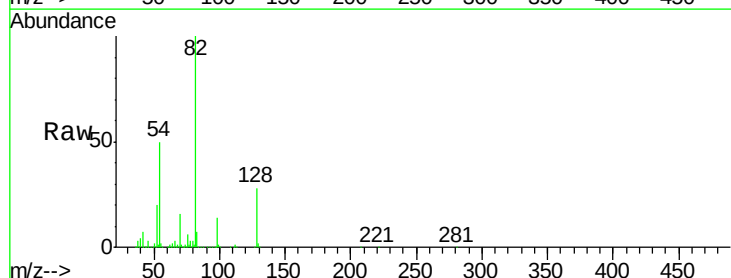
Instrument :  
BNA\_M  
ClientSampleId :

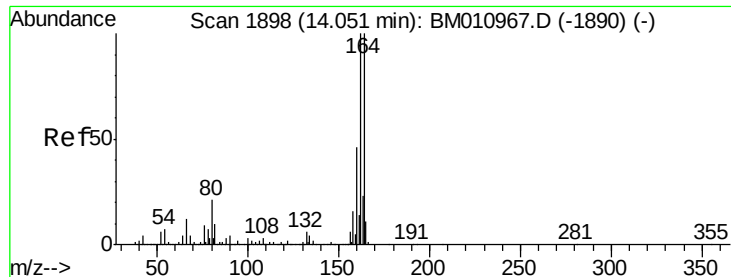
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 566752      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 8.7 13.1    |
| 54          | 8.2   | 4.6 6.8#    |
| 68          | 6.7   | 3.7 5.5#    |



#23  
Nitrobenzene-d5  
Concen: 103.29 ng  
RT: 8.53 min Scan# 977  
Delta R.T. -0.01 min  
Lab File: BM011014.D  
Acq: 27 Jul 2017 17:11

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 1559697     |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 28.0  | 32.8 49.2#  |
| 54          | 49.9  | 40.6 60.8   |

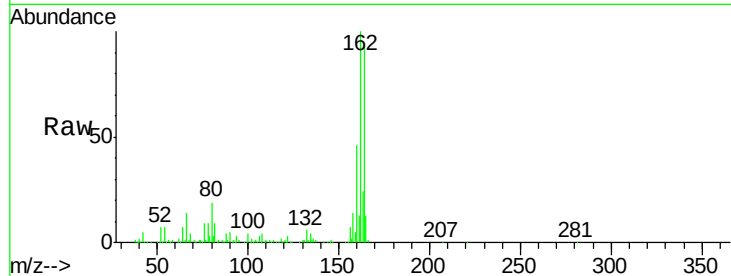




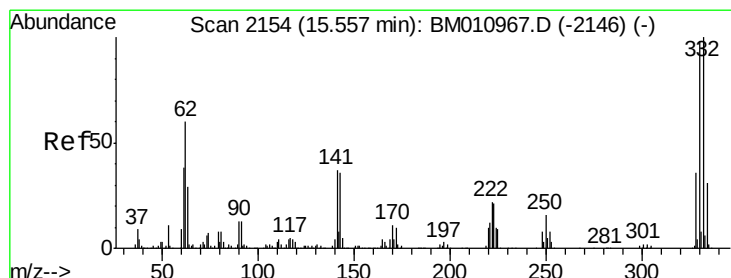
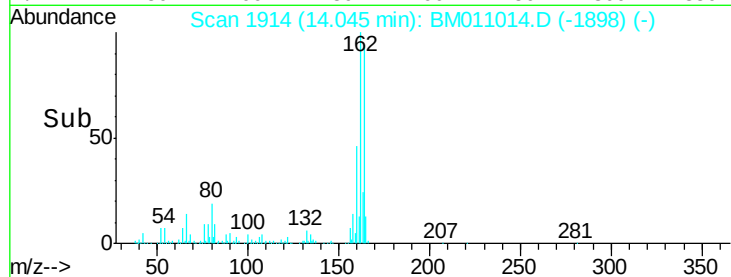
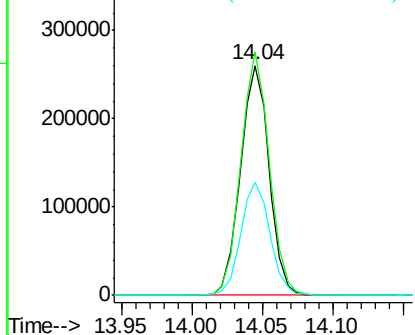
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.04 min Scan# 1914  
Delta R.T. -0.01 min  
Lab File: BM011014.D  
Acq: 27 Jul 2017 17:11

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.8 | 82.4  | 123.6 |
| 160     | 49.0  | 35.8  | 53.6  |

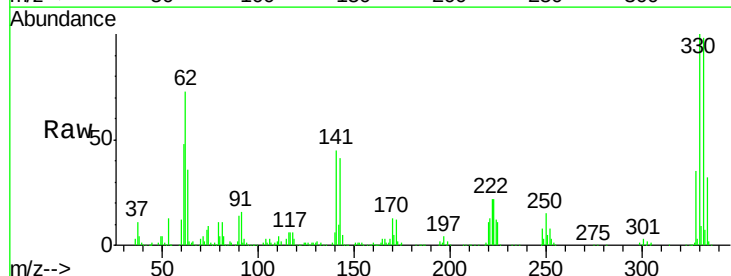


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

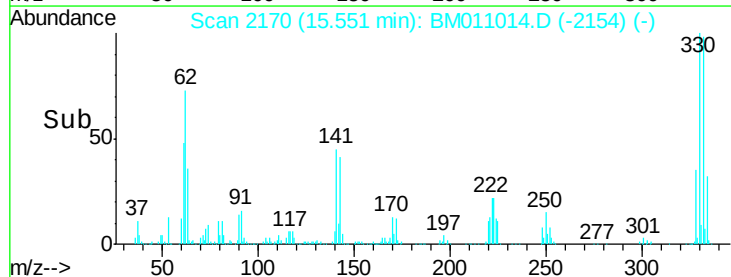
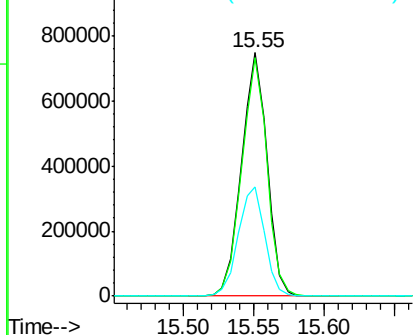


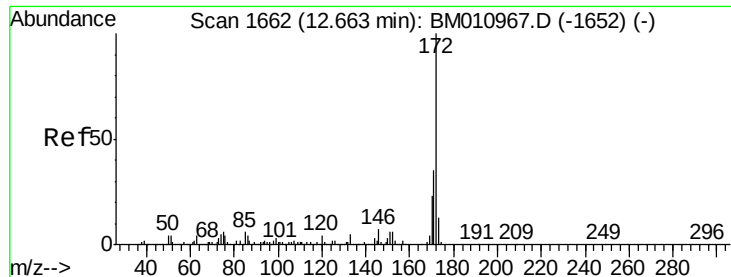
#41  
2,4,6-Tribromophenol  
Concen: 161.15 ng  
RT: 15.55 min Scan# 2170  
Delta R.T. -0.01 min  
Lab File: BM011014.D  
Acq: 27 Jul 2017 17:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 0.0   | 0.0#  |
| 141     | 46.4  | 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



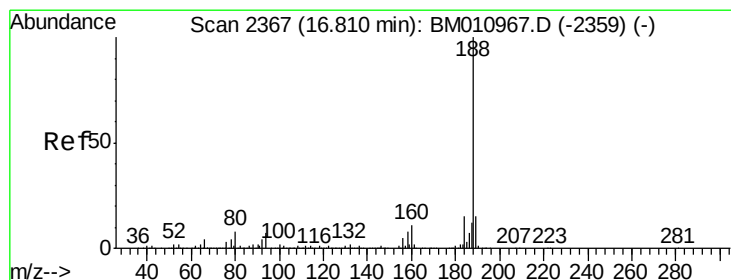
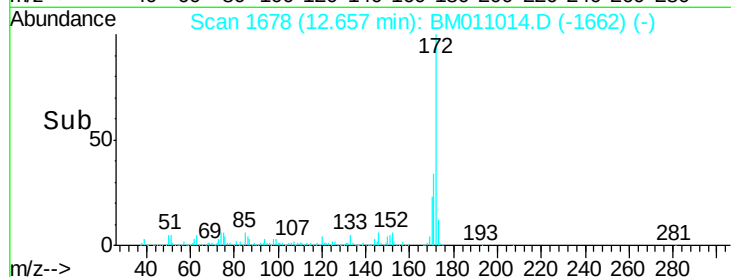
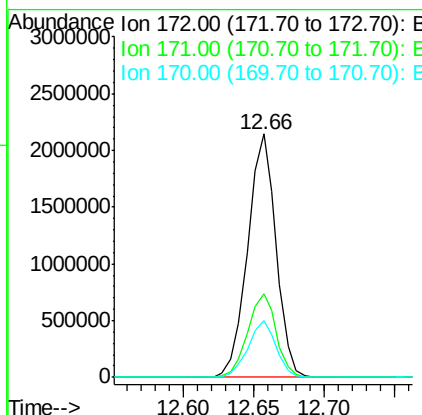
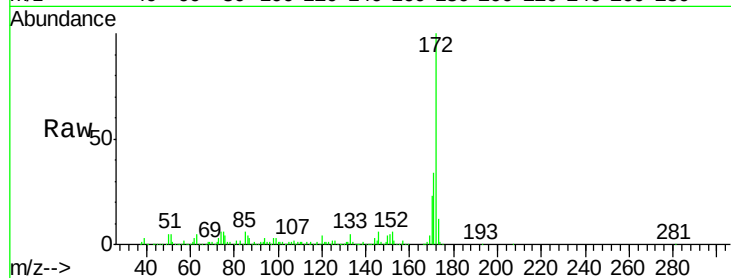


#44  
 2-Fluorobiphenyl  
 Concen: 102.89 ng  
 RT: 12.66 min Scan# 1678  
 Delta R.T. -0.01 min  
 Lab File: BM011014.D  
 Acq: 27 Jul 2017 17:11

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:172 Resp: 3013077  

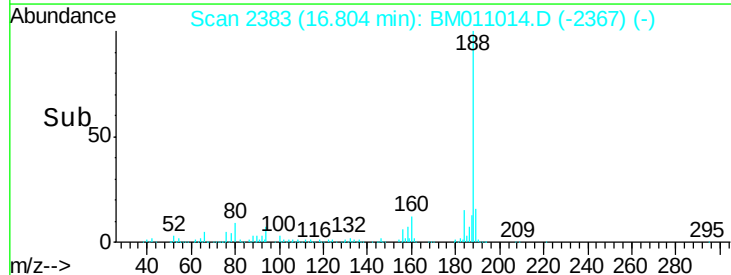
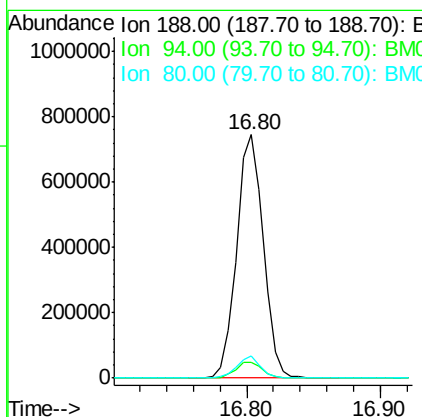
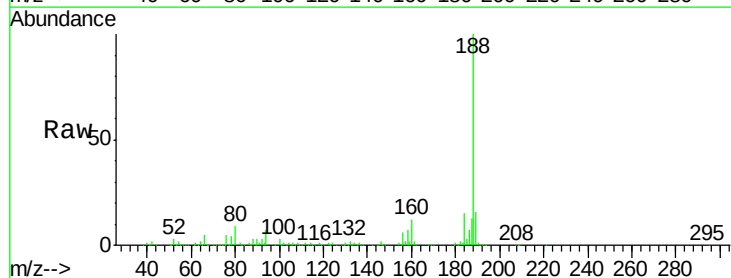
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 34.4  | 28.5  | 42.7  |
| 170 | 23.1  | 18.8  | 28.2  |

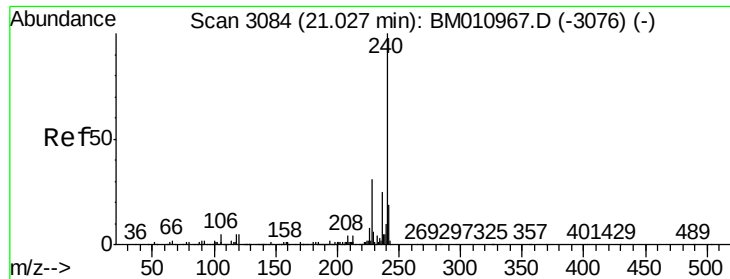


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 16.80 min Scan# 2383  
 Delta R.T. -0.01 min  
 Lab File: BM011014.D  
 Acq: 27 Jul 2017 17:11

Tgt Ion:188 Resp: 1027826  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 6.7   | 8.7   | 13.1# |
| 80  | 9.2   | 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: BM011014.D

Acq: 27 Jul 2017 17:11

Instrument :

BNA\_M

ClientSampled :

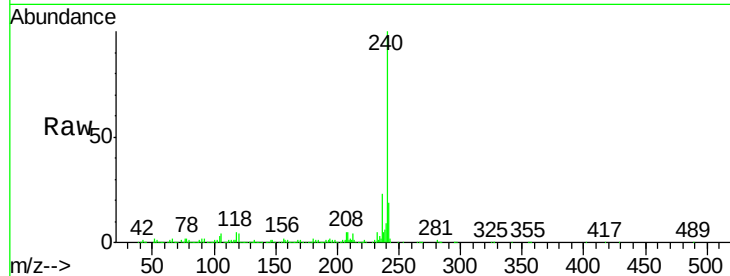
Tot Ion:240 Resp: 1208352

Ion Ratio Lower Upper

240 100

120 4.4 8.2 12.2#

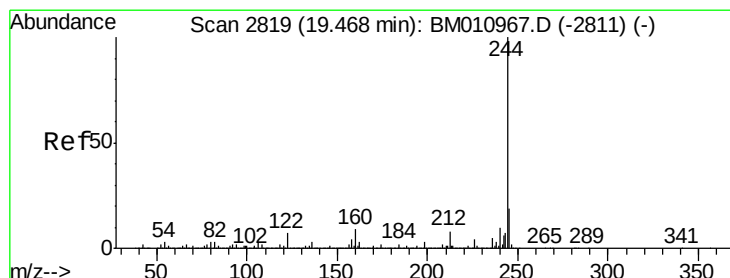
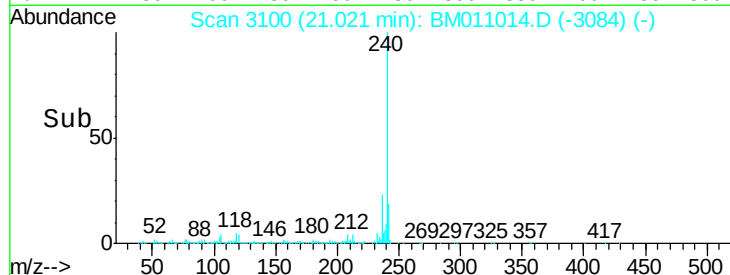
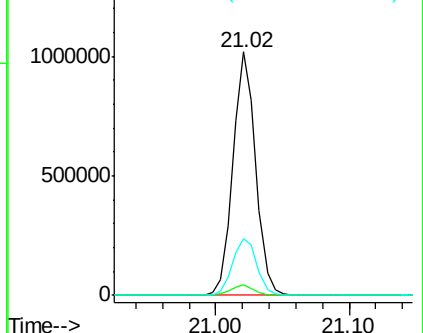
236 23.4 20.0 30.0



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: 92.89 ng

RT: 19.47 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BM011014.D

Acq: 27 Jul 2017 17:11

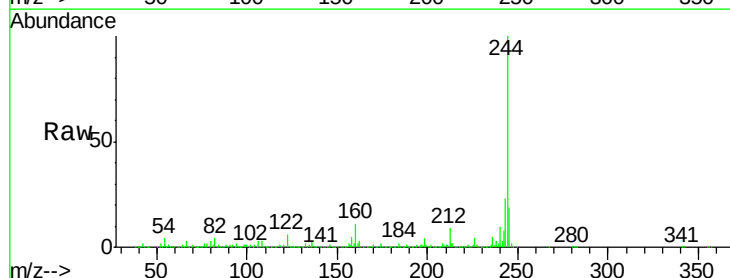
Tgt Ion:244 Resp: 5666383

Ion Ratio Lower Upper

244 100

212 8.7 4.9 7.3#

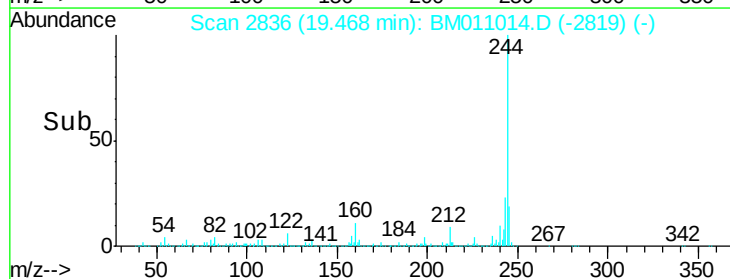
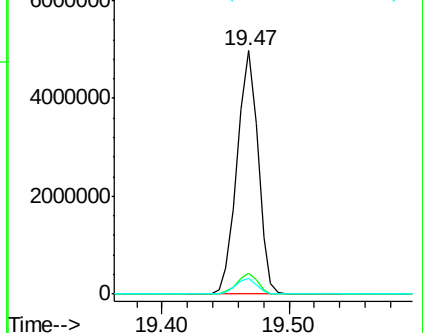
122 6.5 6.2 9.4



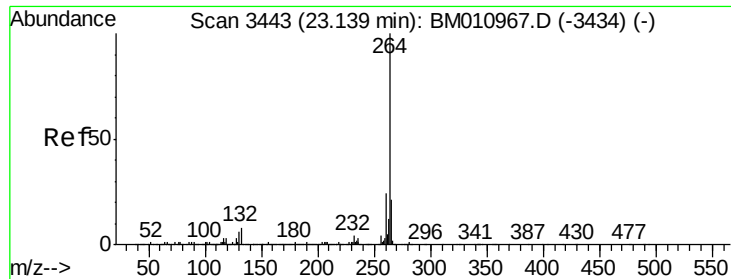
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



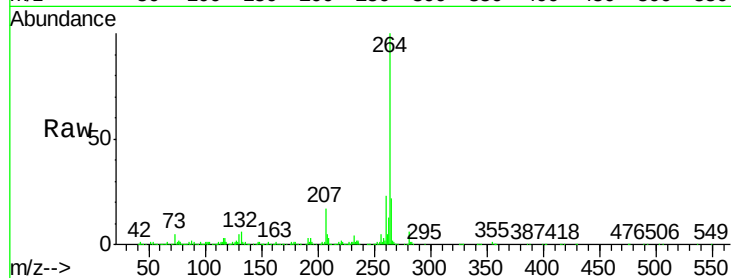




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 23.13 min Scan# 3459  
Delta R.T. -0.01 min  
Lab File: BM011014.D  
Acq: 27 Jul 2017 17:11

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.6  | 27.8  |
| 265     | 22.5  | 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

