

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033117\  
 Data File : BM009481.D  
 Acq On : 31 Mar 2017 19:35  
 Operator : SJ/MA  
 Sample : I2462-03  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-2

Quant Time: Mar 31 23:00:09 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 12:10:26 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.85  | 152  | 106439   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.65 | 136  | 413712   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.49 | 164  | 239311   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.24 | 188  | 575103   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.42 | 240  | 784817   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.74 | 264  | 769191   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 504842   | 79.06  | ng    | -0.01    |
| 7) Phenol-d6                | 7.00  | 99   | 414763   | 47.63  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.01  | 82   | 1101774  | 99.85  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.99 | 330  | 501520   | 168.69 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.11 | 172  | 2062085  | 103.83 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.86 | 244  | 2881806  | 76.73  | ng    | -0.01    |

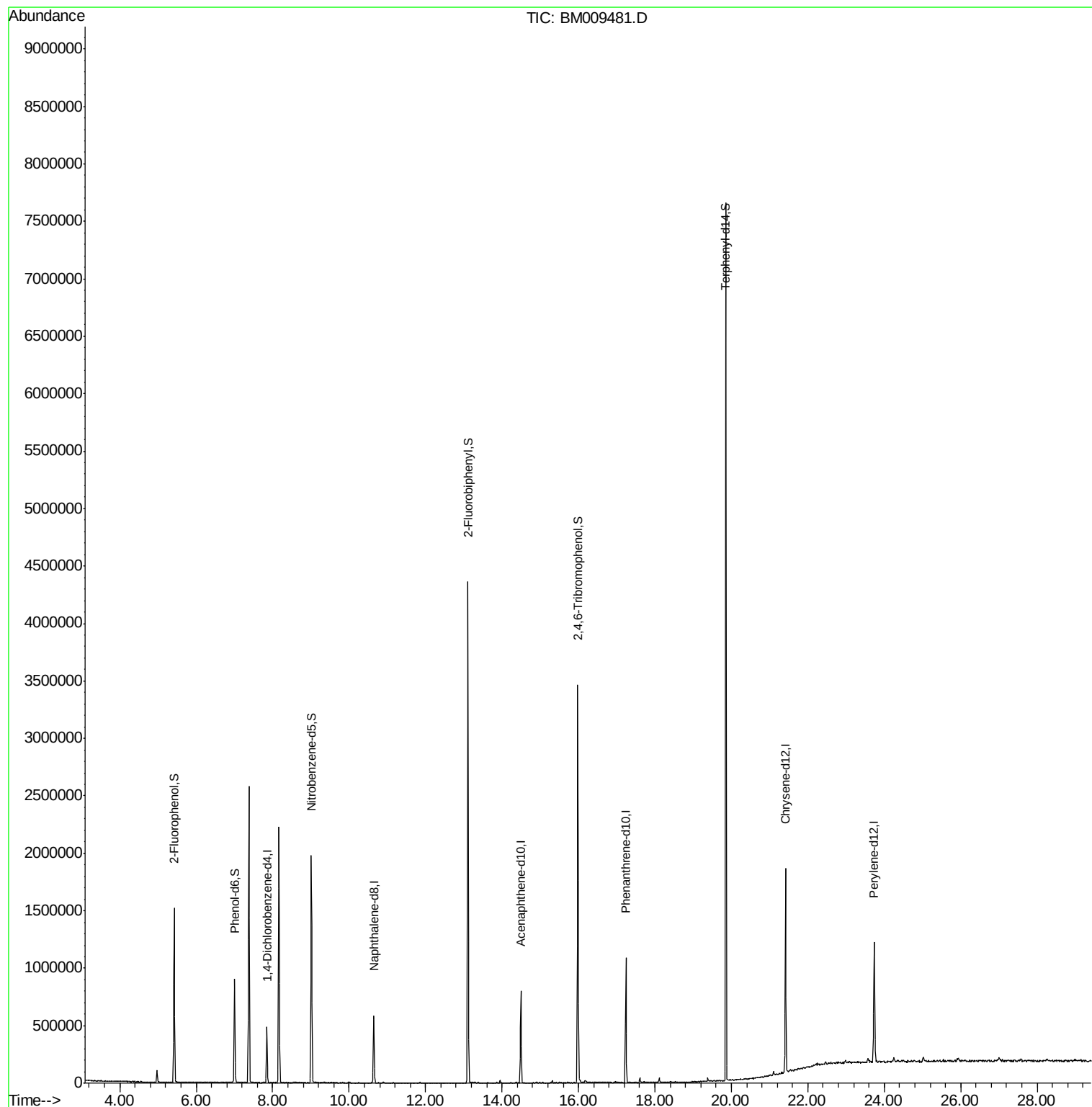
Target Compounds Qvalue

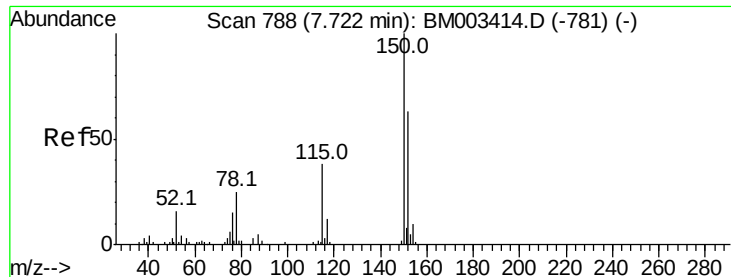
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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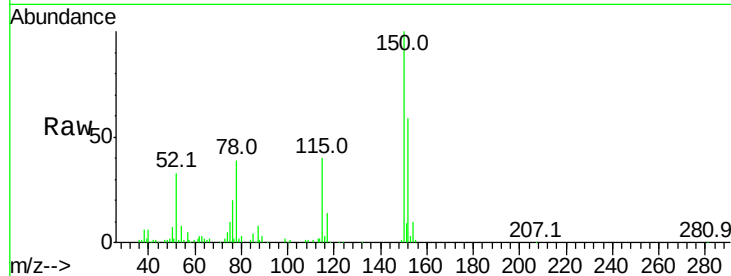


#1

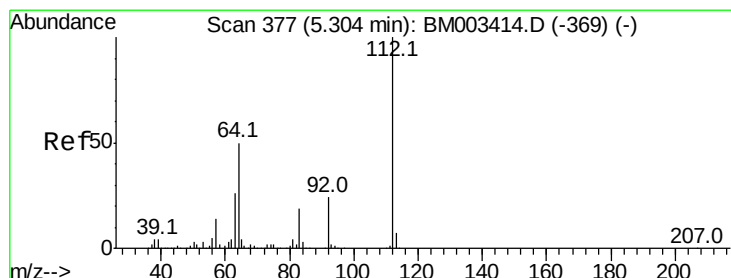
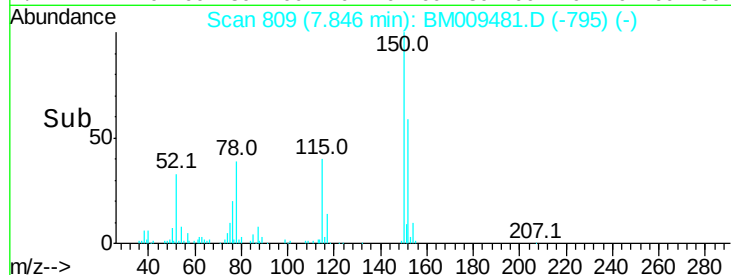
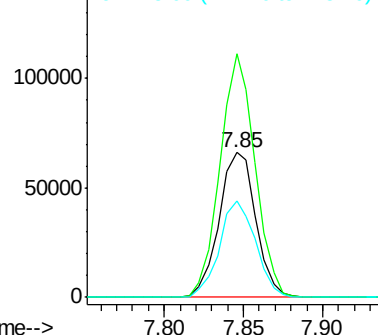
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.85 min Scan# 809  
Delta R.T. -0.02 min  
Lab File: BM009481.D  
Acq: 31 Mar 2017 19:35

Instrument :  
BNA\_M  
ClientSampleId :  
MW-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 168.5 | 119.5 | 179.3 |
| 115     | 66.6  | 43.0  | 64.4# |



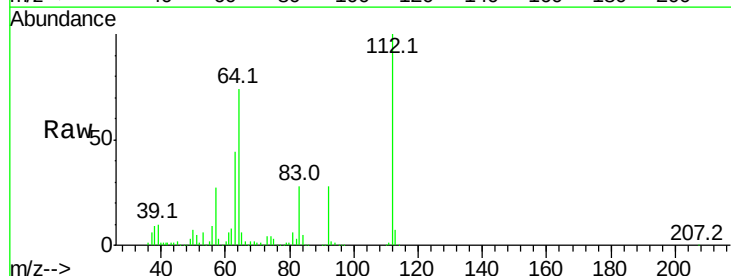
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



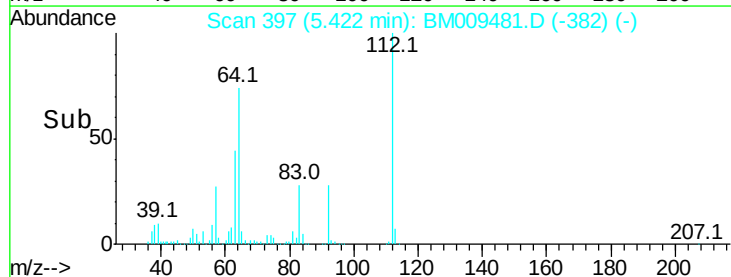
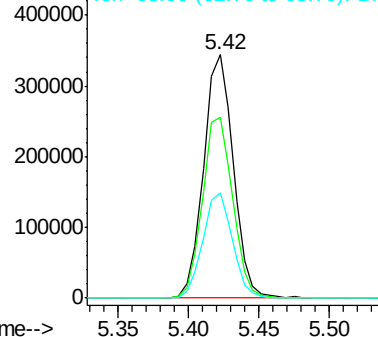
#5

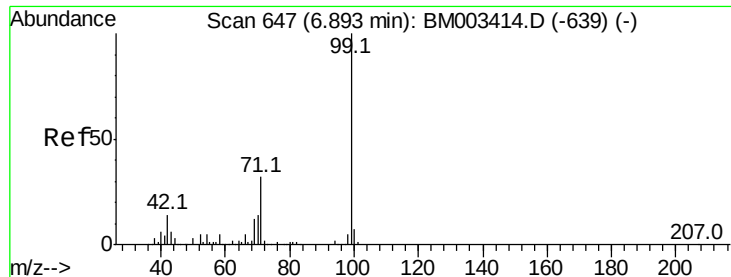
2-Fluorophenol  
Concen: 79.06 ng  
RT: 5.42 min Scan# 397  
Delta R.T. -0.01 min  
Lab File: BM009481.D  
Acq: 31 Mar 2017 19:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 74.2  | 38.6  | 57.8# |
| 63      | 43.5  | 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: 47.63 ng

RT: 7.00 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM009481.D

Acq: 31 Mar 2017 19:35

Instrument :

BNA\_M

ClientSampleId :

MW-2

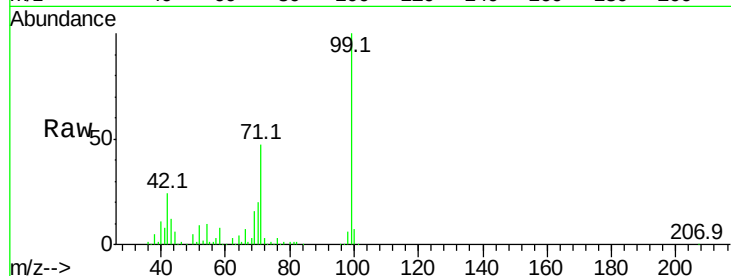
Tot Ion: 99 Resp: 414763

Ion Ratio Lower Upper

99 100

42 24.3 11.0 16.4#

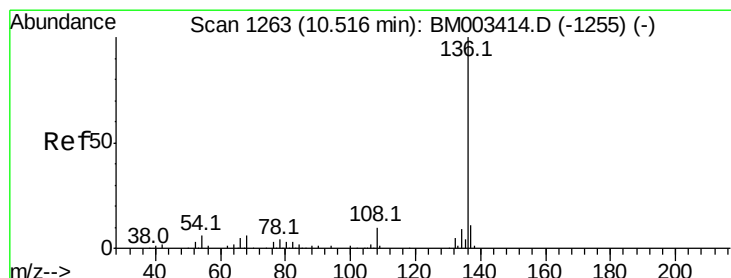
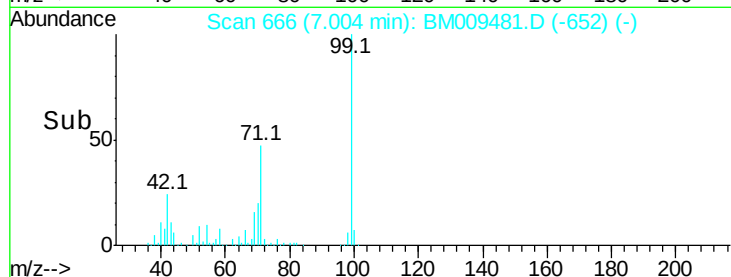
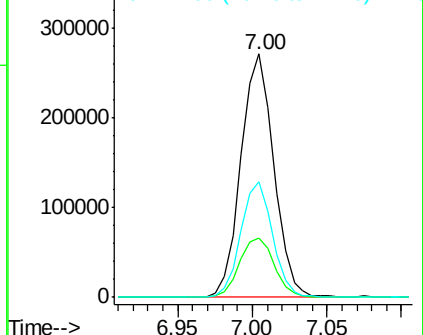
71 47.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BM009481.D

Acq: 31 Mar 2017 19:35

Tgt Ion: 136 Resp: 413712

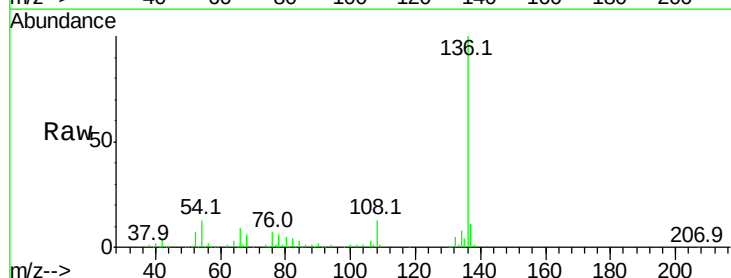
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 12.7 4.6 6.8#

68 6.4 3.7 5.5#

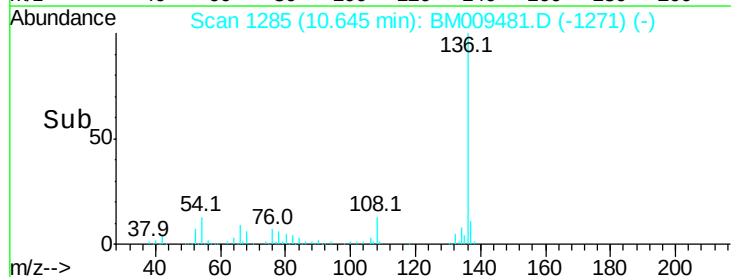
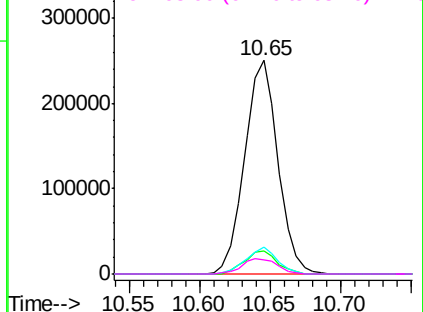


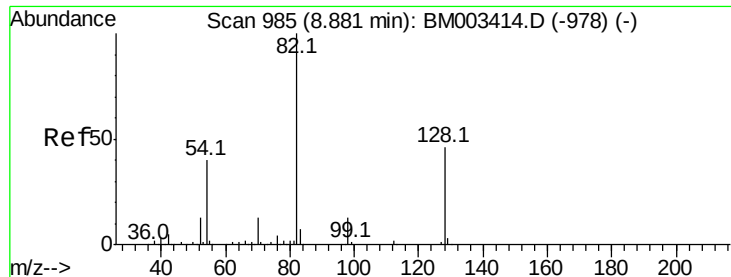
Abundance Ion 136.00 (135.70 to 136.70): BM003414.D (-1255) (-)

Ion 137.00 (136.70 to 137.70): BM003414.D (-1255) (-)

Ion 54.00 (53.70 to 54.70): BM003414.D (-1255) (-)

Ion 68.00 (67.70 to 68.70): BM003414.D (-1255) (-)



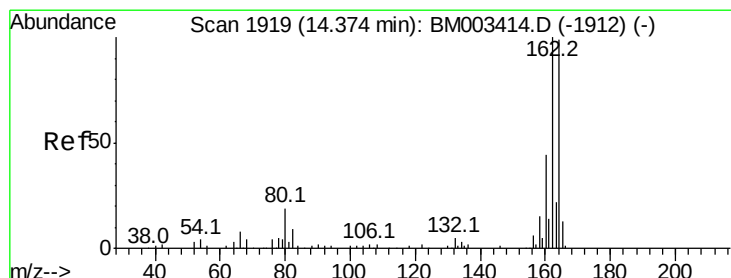
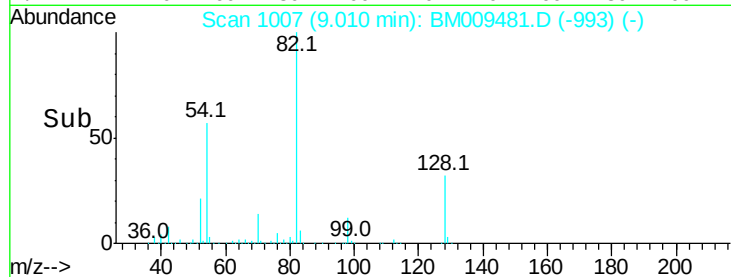
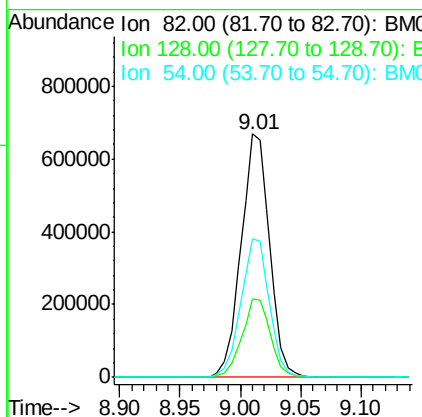
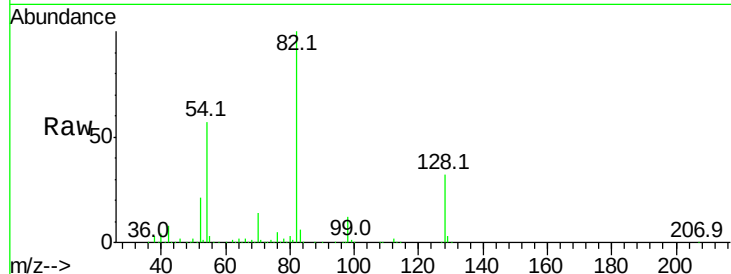


#23  
 Nitrobenzene-d5  
 Concen: 99.85 ng  
 RT: 9.01 min Scan# 1007  
 Delta R.T. -0.02 min  
 Lab File: BM009481.D  
 Acq: 31 Mar 2017 19:35

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-2

Tot Ion: 82 Resp: 1101774  

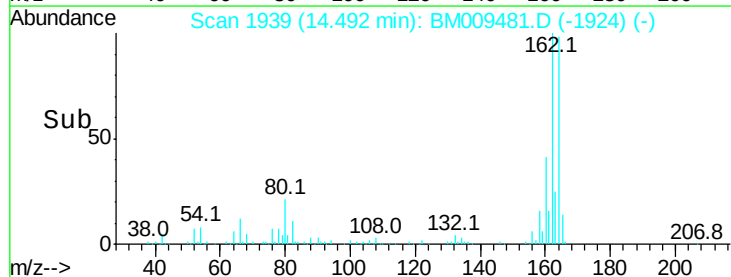
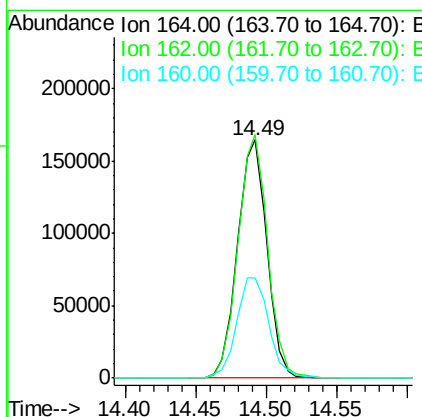
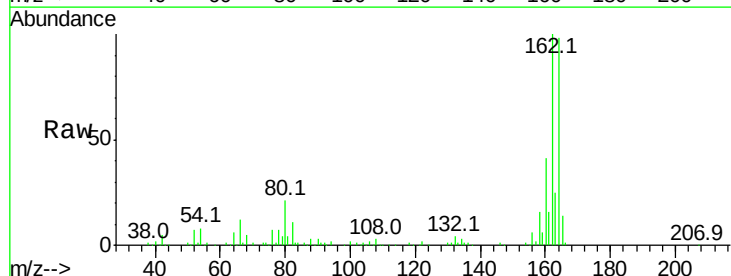
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 32.3  | 32.8  | 49.2# |
| 54  | 57.0  | 40.6  | 60.8  |

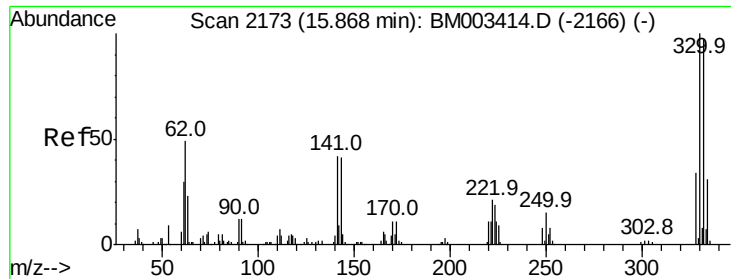


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.49 min Scan# 1939  
 Delta R.T. -0.01 min  
 Lab File: BM009481.D  
 Acq: 31 Mar 2017 19:35

Tgt Ion:164 Resp: 239311  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.1 | 82.4  | 123.6 |
| 160 | 41.9  | 35.8  | 53.6  |

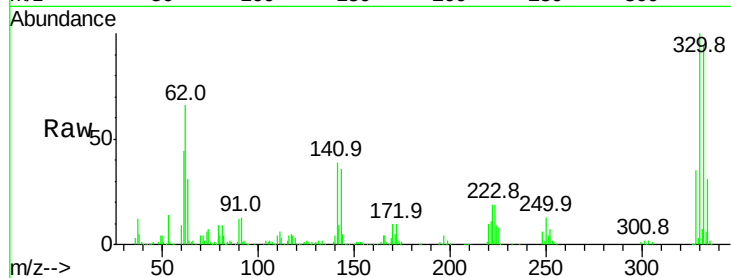




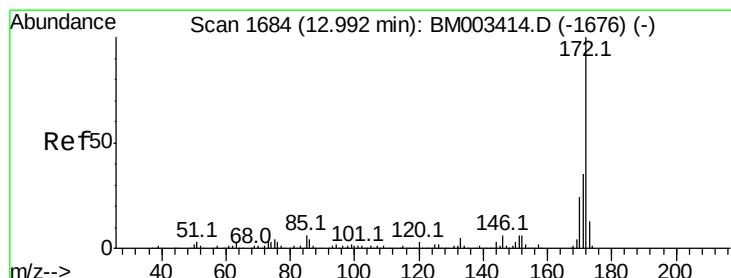
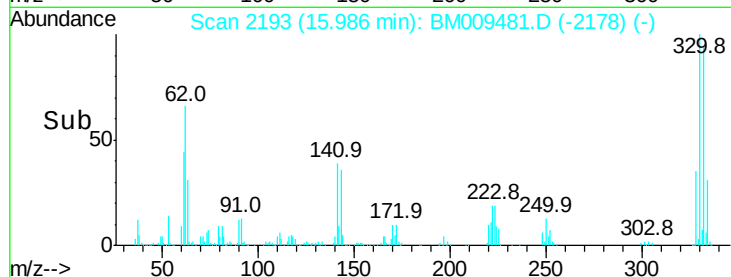
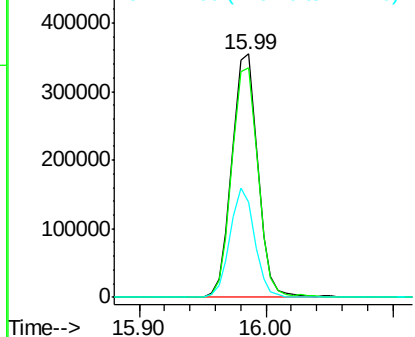
#41  
 2,4,6-Tribromophenol  
 Concen: 168.69 ng  
 RT: 15.99 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BM009481.D  
 Acq: 31 Mar 2017 19:35

Instrument :  
 BNA\_M  
 ClientSampled :  
 MW-2

Tot Ion:330 Resp: 501520  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 0.0 0.0#  
 141 42.5 0.0 0.0#

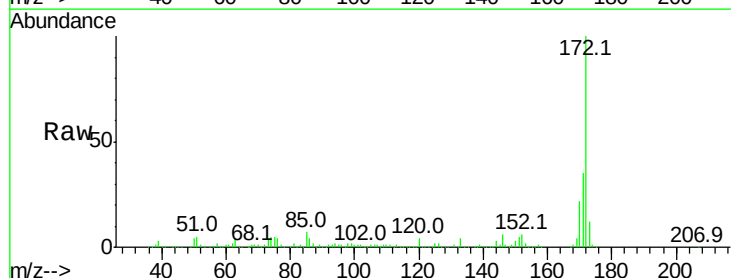


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

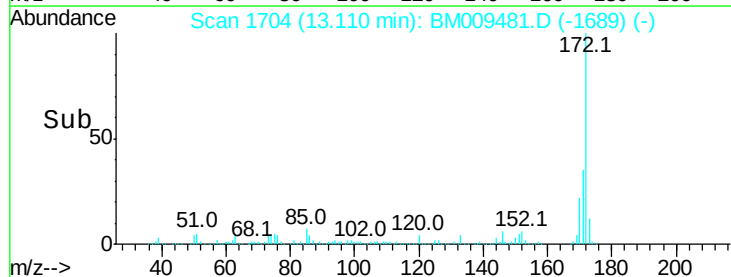
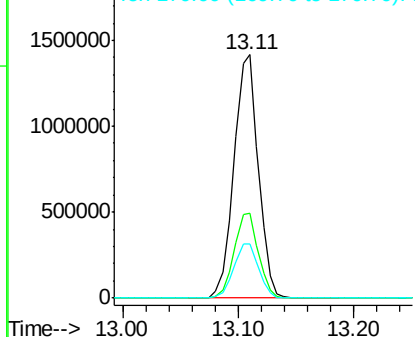


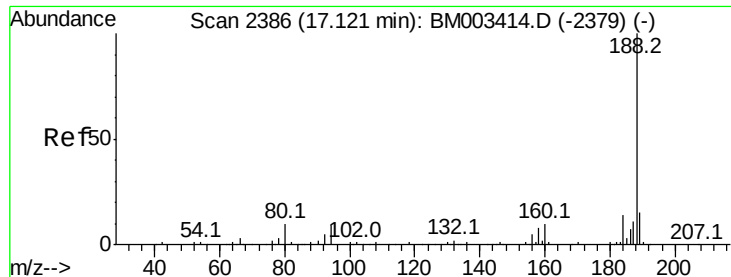
#44  
 2-Fluorobiphenyl  
 Concen: 103.83 ng  
 RT: 13.11 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BM009481.D  
 Acq: 31 Mar 2017 19:35

Tgt Ion:172 Resp: 2062085  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.5 42.7  
 170 22.2 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

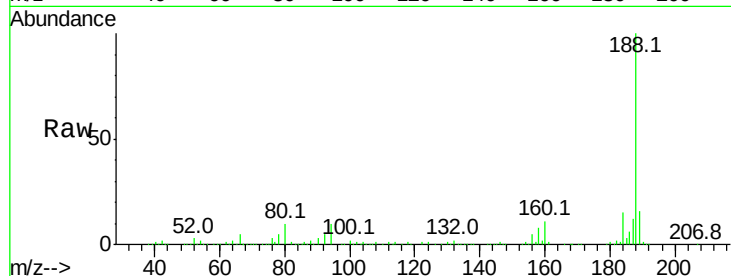




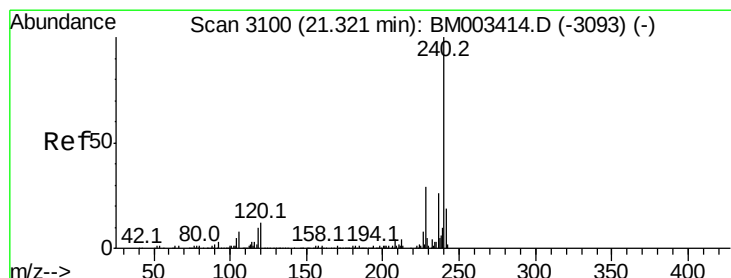
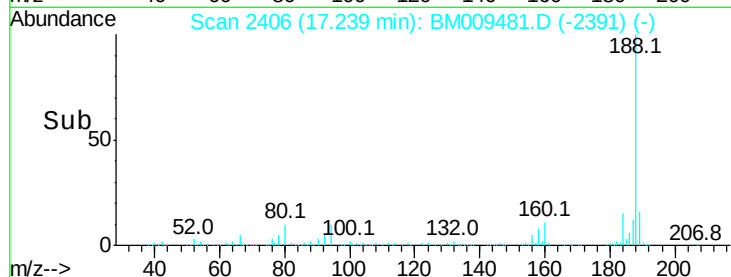
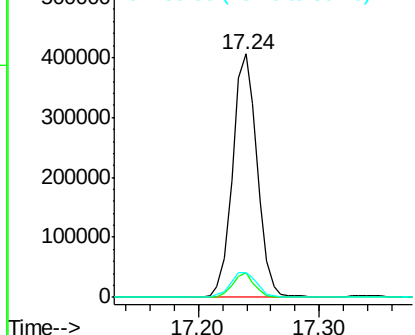
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.24 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BM009481.D  
Acq: 31 Mar 2017 19:35

Instrument :  
BNA\_M  
ClientSampled :  
MW-2

Tot Ion:188 Resp: 575103  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.7 13.1  
80 10.3 9.3 13.9

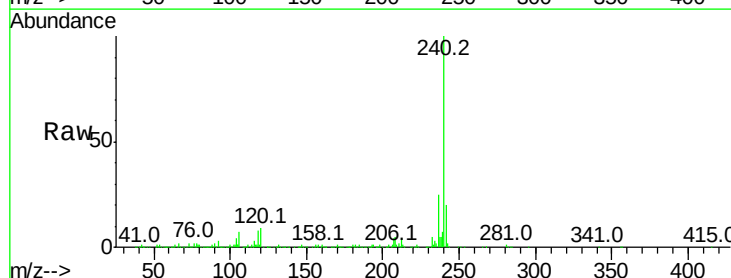


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

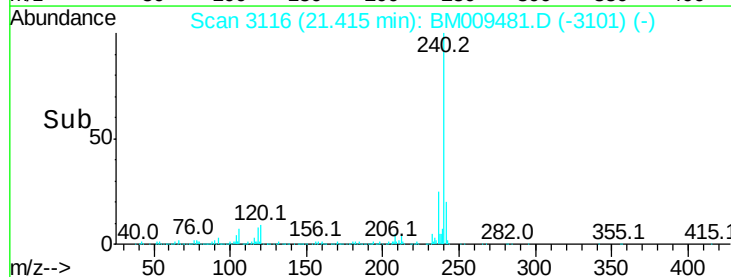
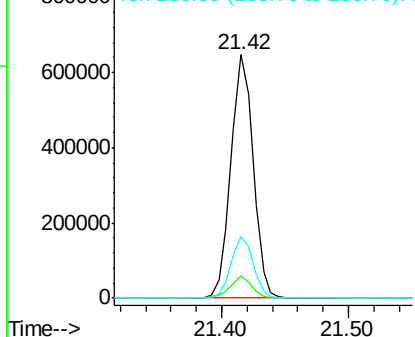


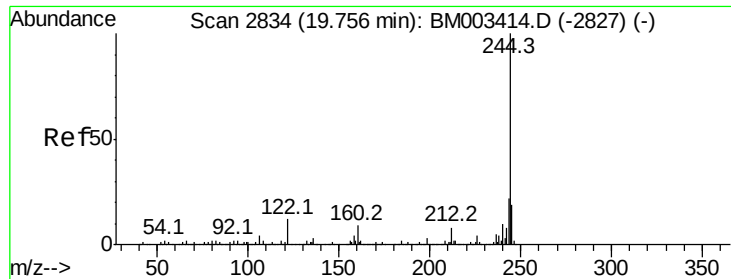
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.42 min Scan# 3116  
Delta R.T. -0.01 min  
Lab File: BM009481.D  
Acq: 31 Mar 2017 19:35

Tgt Ion:240 Resp: 784817  
Ion Ratio Lower Upper  
240 100  
120 9.1 8.2 12.2  
236 25.5 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

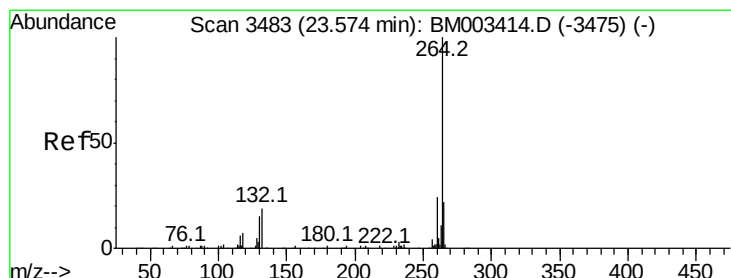
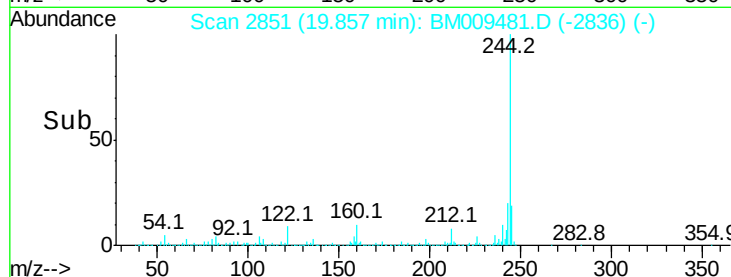
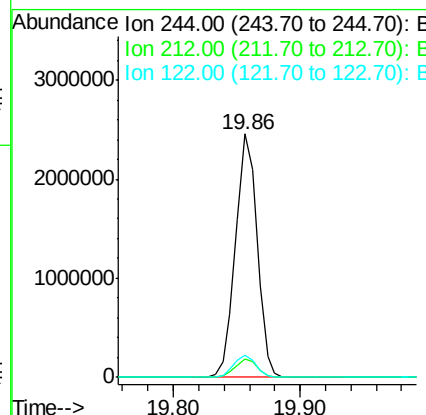
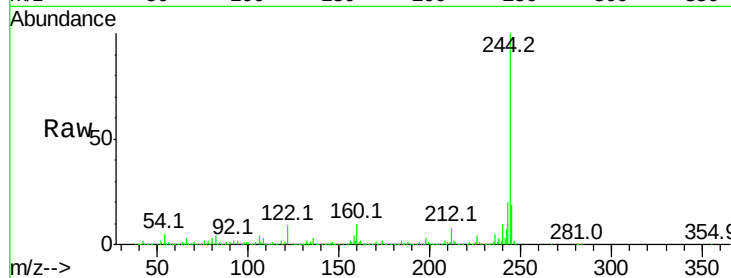




#78  
 Terphenyl-d14  
 Concen: 76.73 ng  
 RT: 19.86 min Scan# 2851  
 Delta R.T. -0.01 min  
 Lab File: BM009481.D  
 Acq: 31 Mar 2017 19:35

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-2

Tot Ion:244 Resp: 2881806  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 4.9 7.3#  
 122 9.2 6.2 9.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.74 min Scan# 3511  
 Delta R.T. -0.02 min  
 Lab File: BM009481.D  
 Acq: 31 Mar 2017 19:35

Tgt Ion:264 Resp: 769191  
 Ion Ratio Lower Upper  
 264 100  
 260 21.5 18.6 27.8  
 265 20.6 17.3 25.9

