

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081517\  
 Data File : BM011244.D  
 Acq On : 15 Aug 2017 21:51  
 Operator : SJ/JU  
 Sample : I4793-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EO-02-081417-C

Quant Time: Aug 16 14:36:13 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 01:32:19 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.29  | 152  | 90793    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.05 | 136  | 320440   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 13.96 | 164  | 131310   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.72 | 188  | 428406   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 20.94 | 240  | 302699   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.04 | 264  | 27443    | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.93  | 112  | 727629   | 135.47 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 758466   | 99.39  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.43  | 82   | 1013913  | 118.75 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.46 | 330  | 394257   | 187.33 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.56 | 172  | 1515968  | 144.79 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.39 | 244  | 2112392  | 138.24 | ng    | 0.00     |

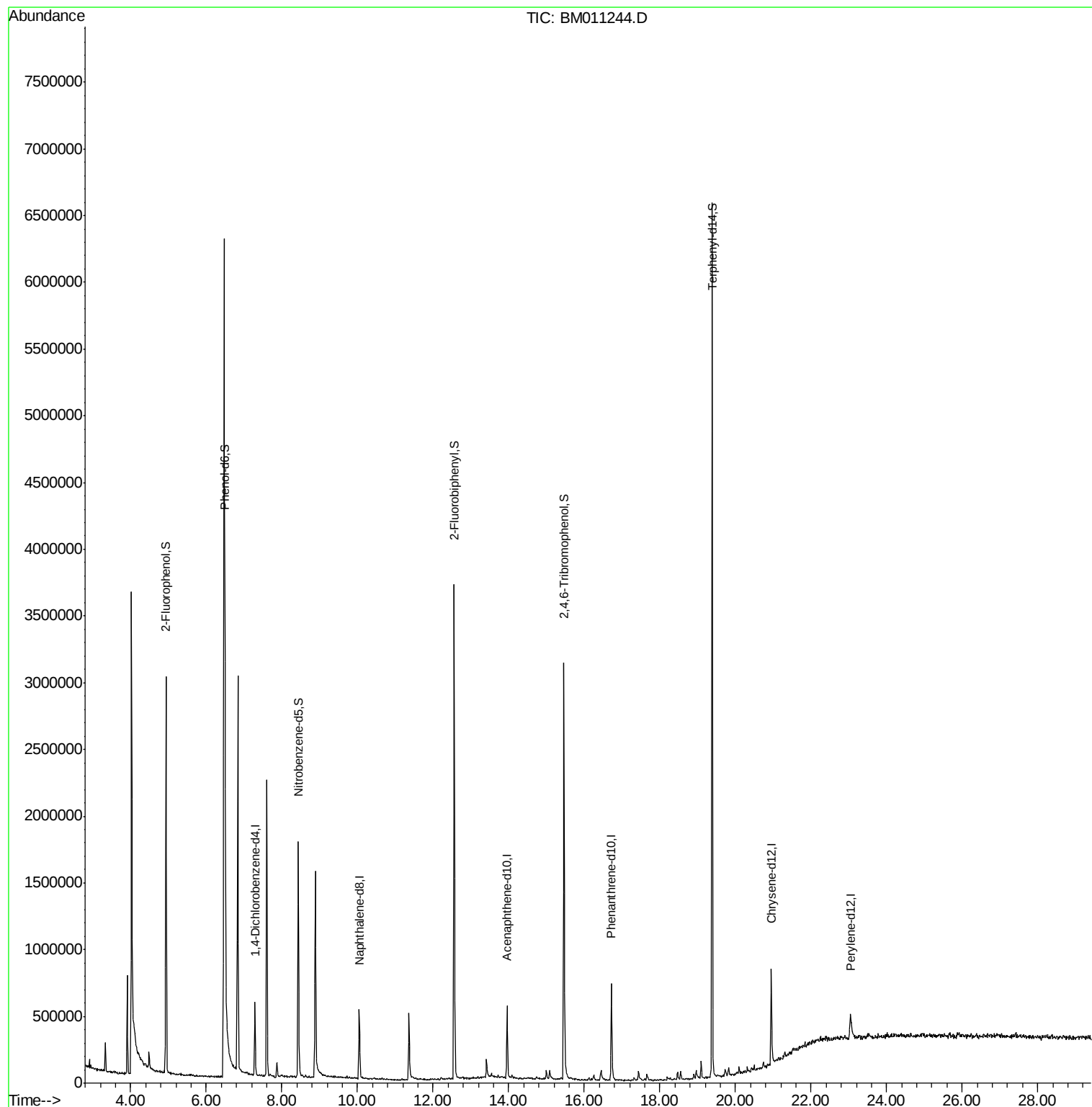
Target Compounds Qvalue

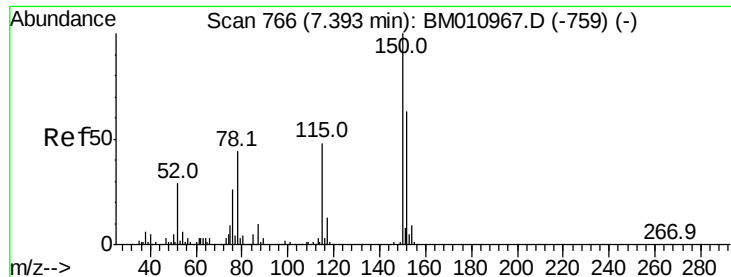
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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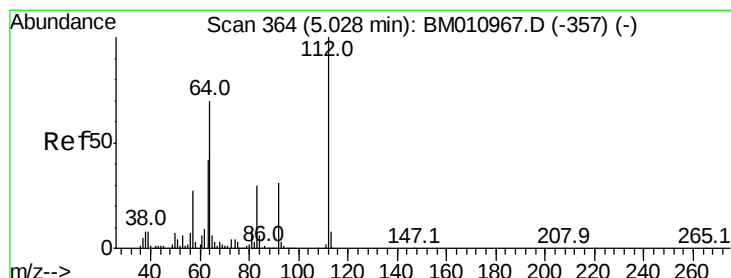
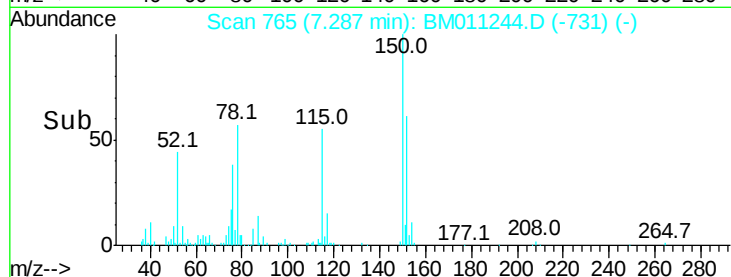
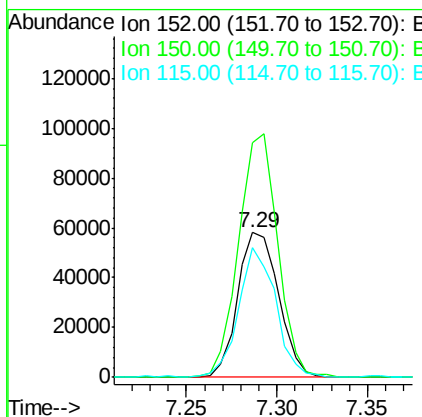
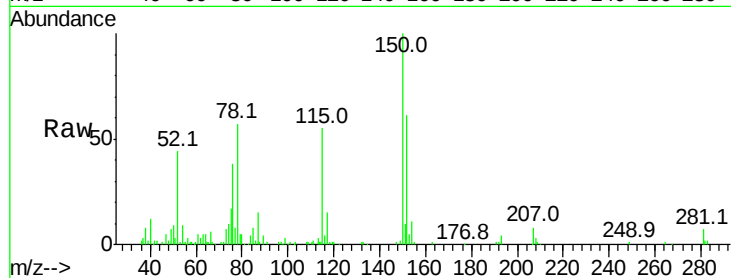


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.29 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: BM011244.D  
Acq: 15 Aug 2017 21:51

Instrument :  
BNA\_M  
ClientSampleId :  
EO-02-081417-C

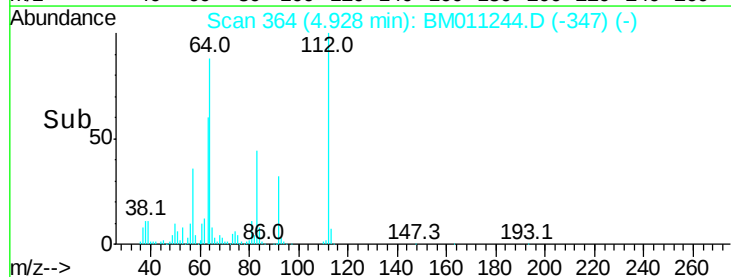
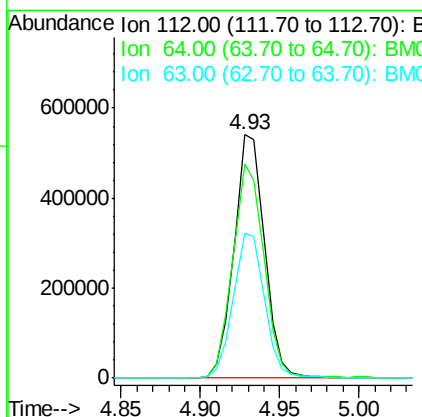
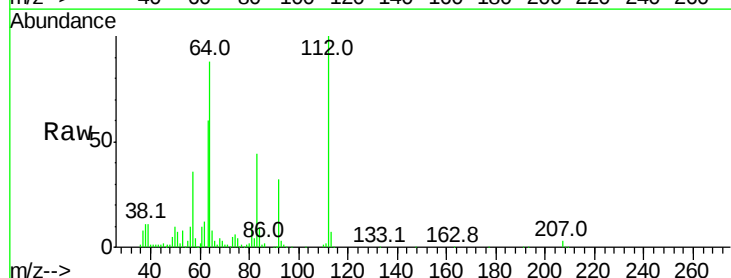
Tot Ion:152 Resp: 90793  
Ion Ratio Lower Upper  
152 100  
150 162.8 119.5 179.3  
115 89.3 43.0 64.4#

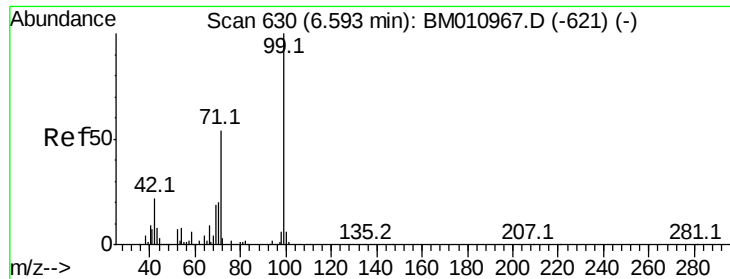


#5

2-Fluorophenol  
Concen: 135.474 ng  
RT: 4.93 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: BM011244.D  
Acq: 15 Aug 2017 21:51

Tgt Ion:112 Resp: 727629  
Ion Ratio Lower Upper  
112 100  
64 88.2 38.6 57.8#  
63 59.5 19.3 28.9#





#7

Phenol-d6

Concen: 99.391 ng

RT: 6.49 min Scan# 630

Delta R.T. 0.00 min

Lab File: BM011244.D

Acq: 15 Aug 2017 21:51

Instrument :

BNA\_M

ClientSampleId :

EO-02-081417-C

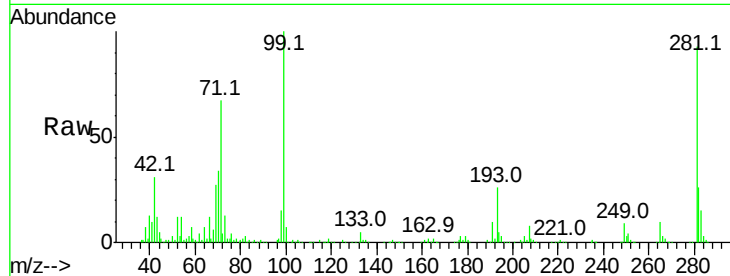
Tot Ion: 99 Resp: 758466

Ion Ratio Lower Upper

99 100

42 31.3 11.0 16.4#

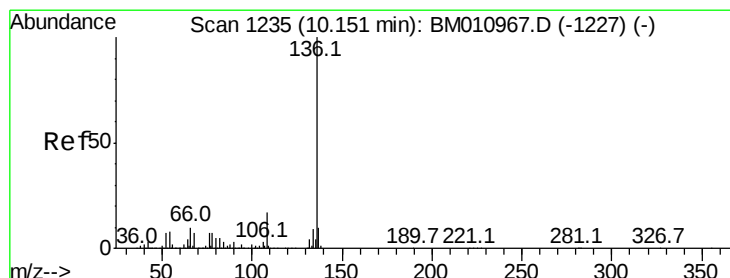
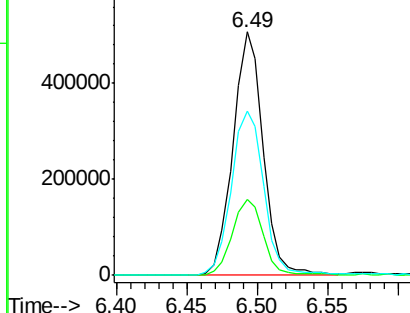
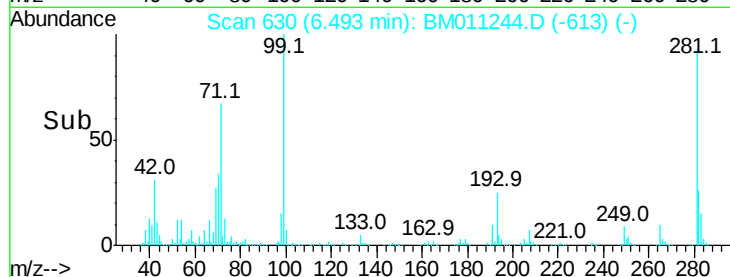
71 67.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011244.D (-613) (-)

Ion 42.00 (41.70 to 42.70): BM011244.D (-613) (-)

Ion 71.00 (70.70 to 71.70): BM011244.D (-613) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.05 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BM011244.D

Acq: 15 Aug 2017 21:51

Tgt Ion: 136 Resp: 320440

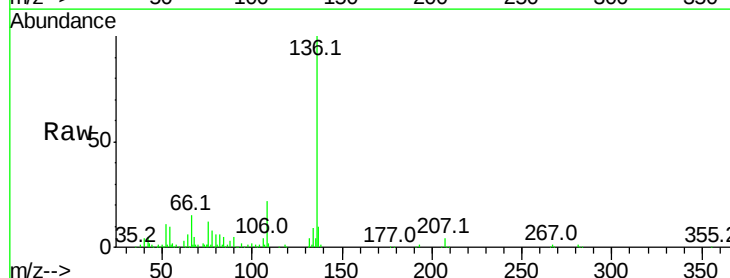
Ion Ratio Lower Upper

136 100

137 9.8 8.7 13.1

54 9.7 4.6 6.8#

68 5.4 3.7 5.5

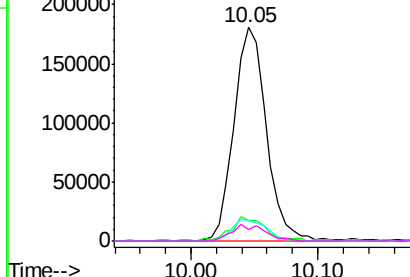
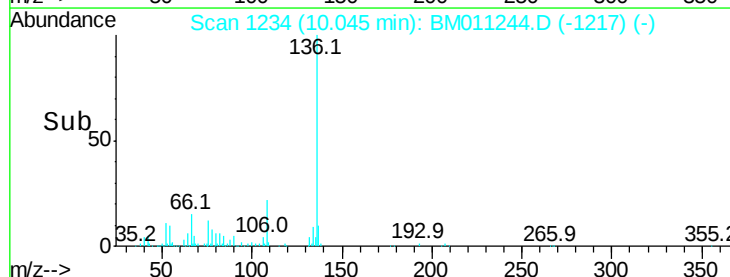


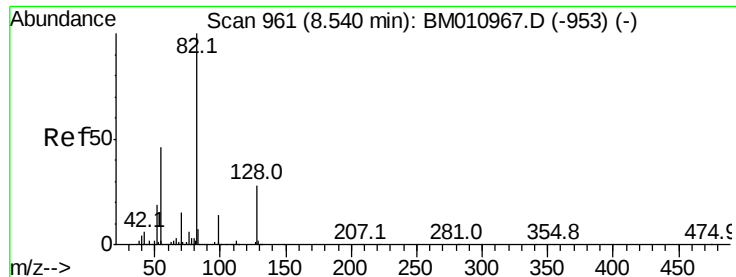
Abundance Ion 136.00 (135.70 to 136.70): BM011244.D (-1217) (-)

Ion 137.00 (136.70 to 137.70): BM011244.D (-1217) (-)

Ion 54.00 (53.70 to 54.70): BM011244.D (-1217) (-)

Ion 68.00 (67.70 to 68.70): BM011244.D (-1217) (-)

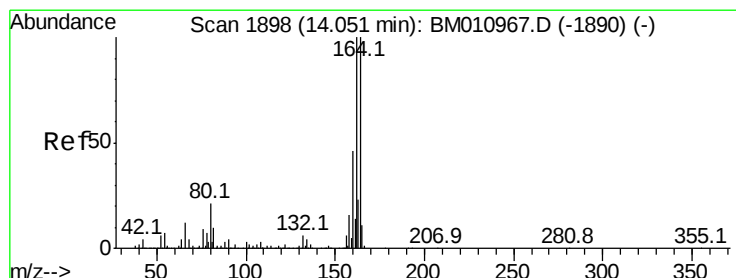
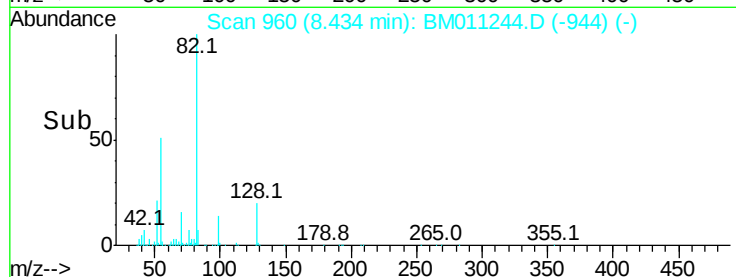
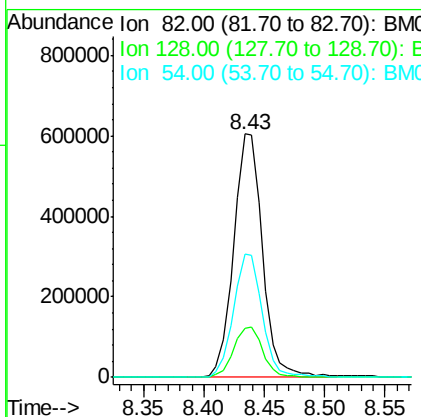
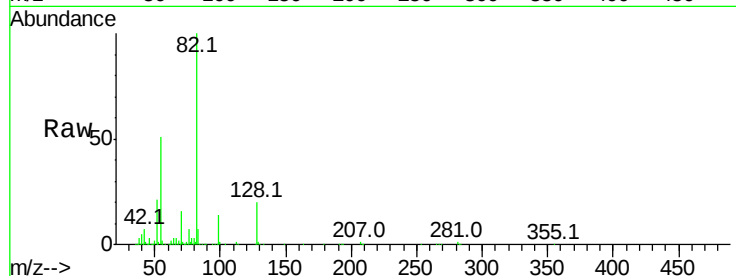




#23  
 Nitrobenzene-d5  
 Concen: 118.755 ng  
 RT: 8.43 min Scan# 960  
 Delta R.T. -0.01 min  
 Lab File: BM011244.D  
 Acq: 15 Aug 2017 21:51

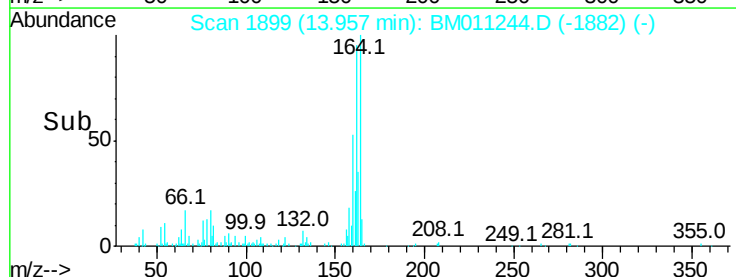
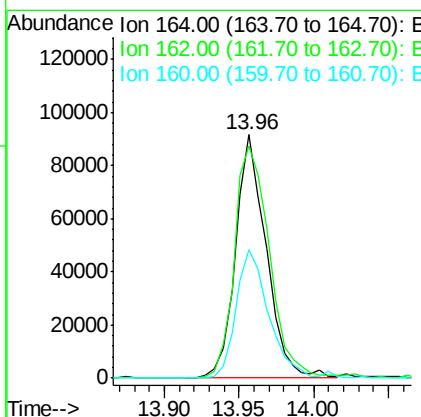
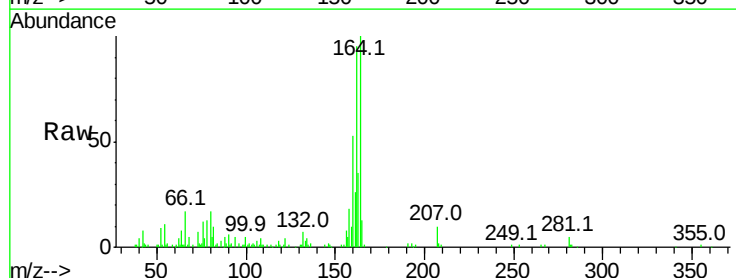
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EO-02-081417-C

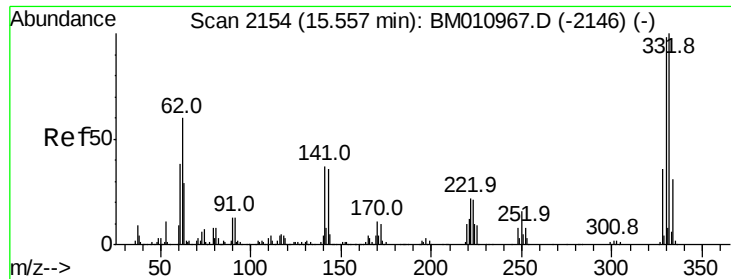
| Tot Ion   | 82    | Resp  | 1013913 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 128       | 20.2  | 32.8  | 49.2#   |
| 54        | 50.7  | 40.6  | 60.8    |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 13.96 min Scan# 1899  
 Delta R.T. 0.00 min  
 Lab File: BM011244.D  
 Acq: 15 Aug 2017 21:51

| Tgt Ion   | 164   | Resp  | 131310 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 95.4  | 82.4  | 123.6  |
| 160       | 53.0  | 35.8  | 53.6   |

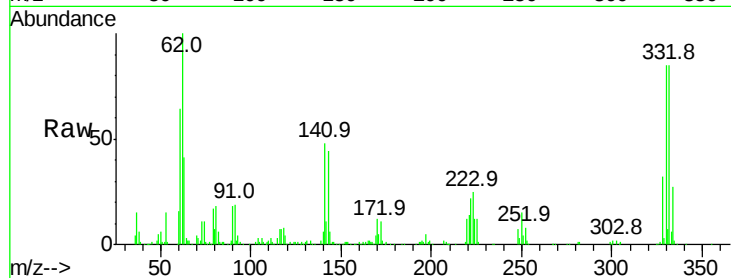




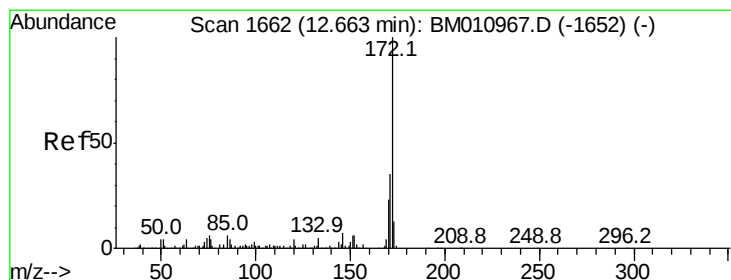
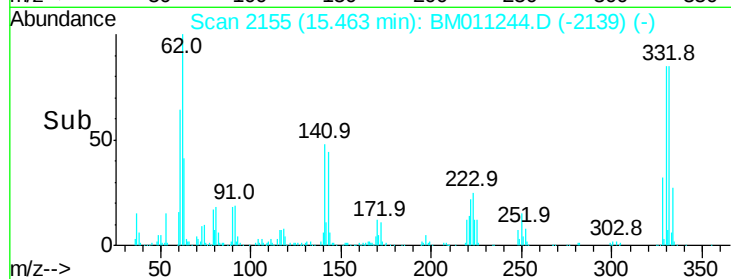
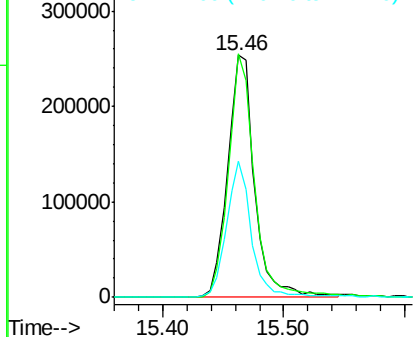
#41  
 2,4,6-Tribromophenol  
 Concen: 187.329 ng  
 RT: 15.46 min Scan# 2155  
 Delta R.T. -0.01 min  
 Lab File: BM011244.D  
 Acq: 15 Aug 2017 21:51

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EO-02-081417-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 0.0   | 0.0#  |
| 141     | 51.7  | 0.0   | 0.0#  |

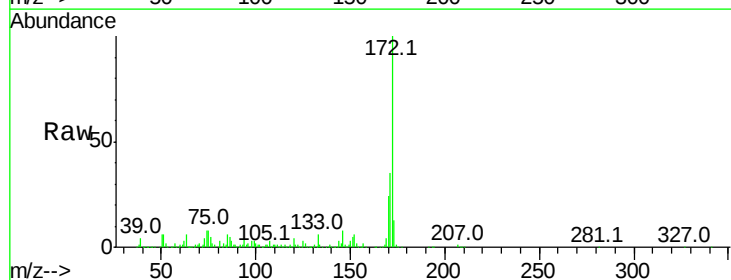


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

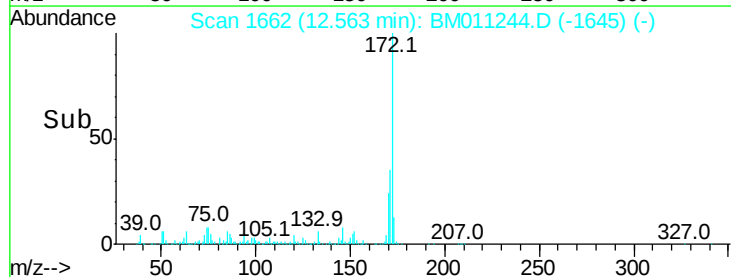
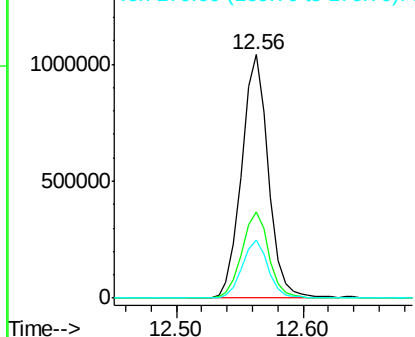


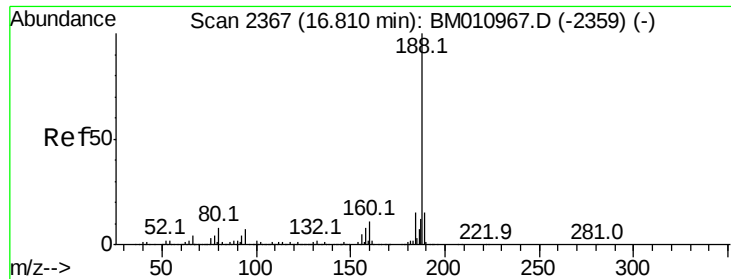
#44  
 2-Fluorobiphenyl  
 Concen: 144.789 ng  
 RT: 12.56 min Scan# 1662  
 Delta R.T. 0.00 min  
 Lab File: BM011244.D  
 Acq: 15 Aug 2017 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 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

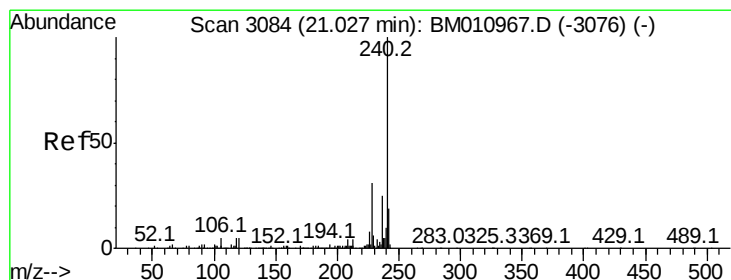
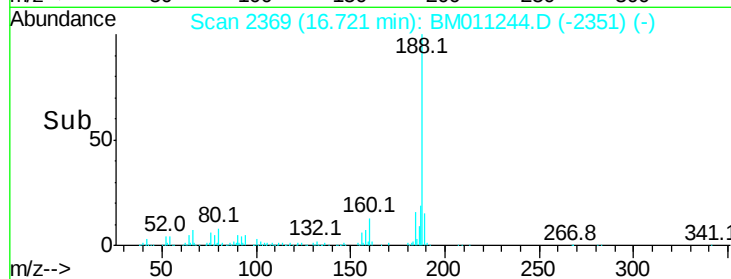
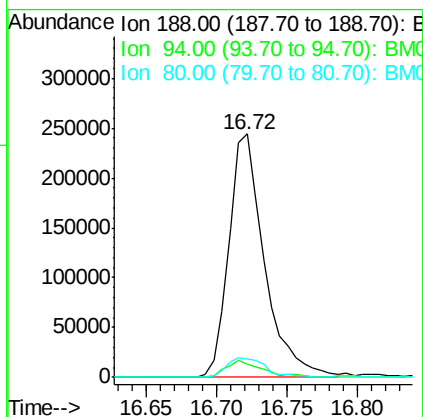
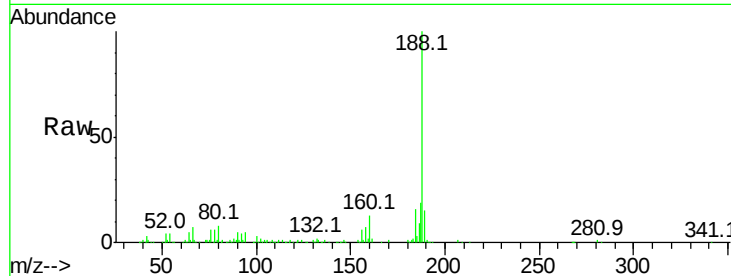




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.72 min Scan# 2369  
Delta R.T. 0.01 min  
Lab File: BM011244.D  
Acq: 15 Aug 2017 21:51

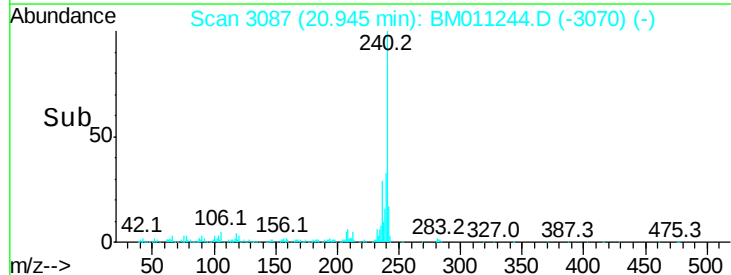
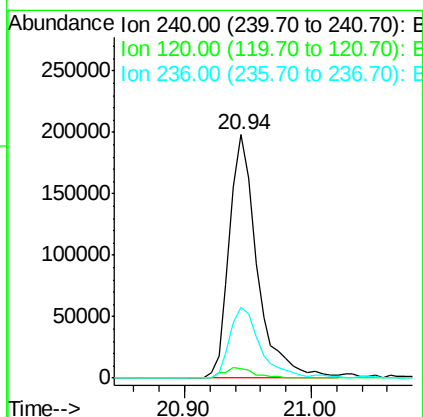
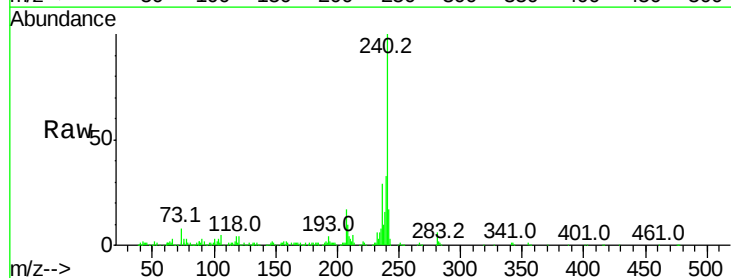
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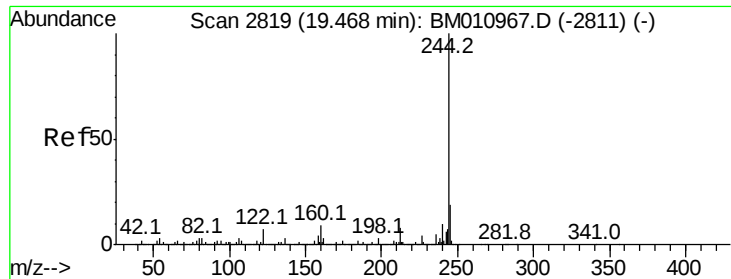
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.4   | 8.7   | 13.1# |
| 80      | 7.7   | 9.3   | 13.9# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 20.94 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: BM011244.D  
Acq: 15 Aug 2017 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 3.7   | 8.2   | 12.2# |
| 236     | 29.1  | 20.0  | 30.0  |

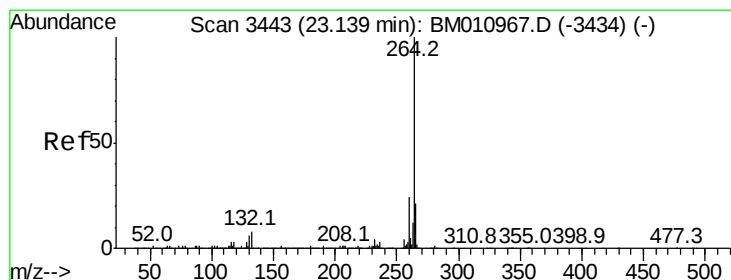
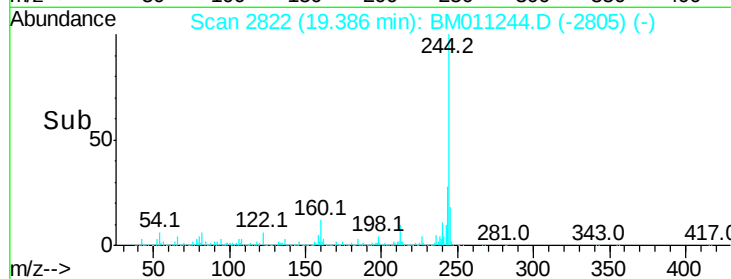
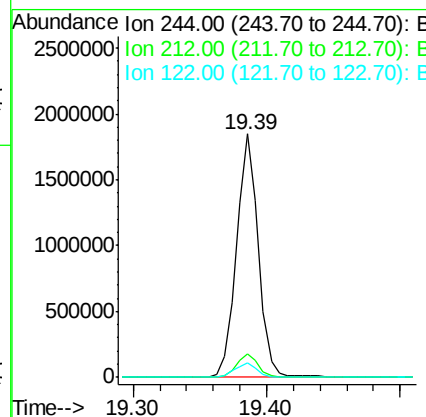
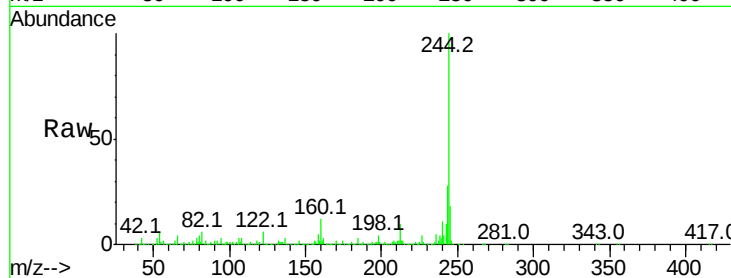




#78  
 Terphenyl-d14  
 Concen: 138.236 ng  
 RT: 19.39 min Scan# 2822  
 Delta R.T. 0.00 min  
 Lab File: BM011244.D  
 Acq: 15 Aug 2017 21:51

Instrument :  
 BNA\_M  
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Tot Ion:244 Resp: 2112392  
 Ion Ratio Lower Upper  
 244 100  
 212 9.6 4.9 7.3#  
 122 5.9 6.2 9.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.04 min Scan# 3443  
 Delta R.T. 0.02 min  
 Lab File: BM011244.D  
 Acq: 15 Aug 2017 21:51

Tgt Ion:264 Resp: 27443  
 Ion Ratio Lower Upper  
 264 100  
 260 110.7 18.6 27.8#  
 265 52.2 17.3 25.9#

