

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073117\  
 Data File : BM011064.D  
 Acq On : 31 Jul 2017 12:54  
 Operator : SJ/JU  
 Sample : I4465-03  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-A

Quant Time: Jul 31 14:35:10 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  | 190525   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.14 | 136  | 737719   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.04 | 164  | 455578   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 16.80 | 188  | 1198423  | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.02 | 240  | 1193597  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.13 | 264  | 422519   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 1697668  | 150.63 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 2266378  | 141.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1981789  | 100.82 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.54 | 330  | 1112177  | 152.31 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 12.65 | 172  | 3542921  | 97.53  | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.46 | 244  | 5819070  | 96.57  | ng    | 0.00     |

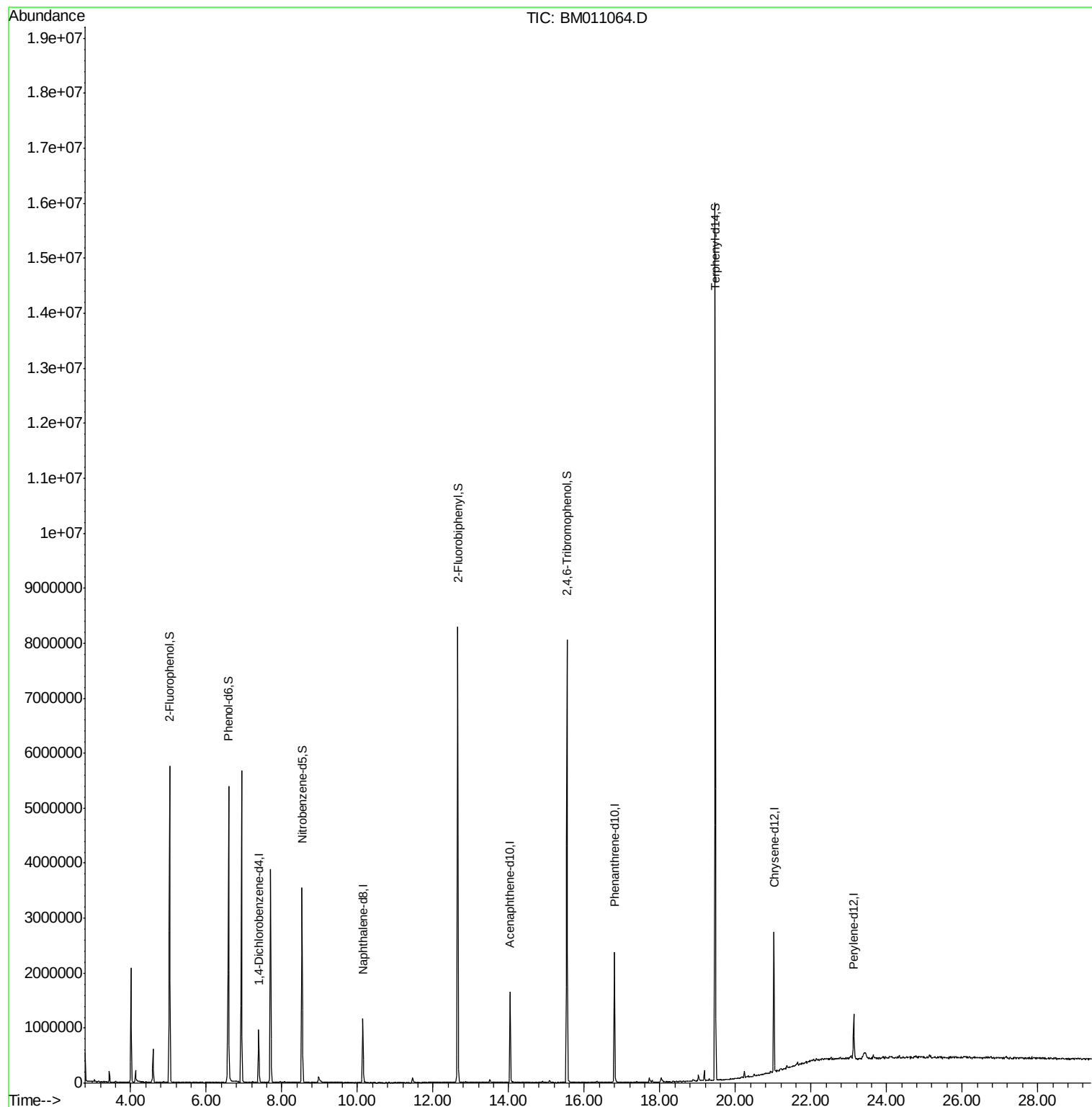
Target Compounds Qvalue

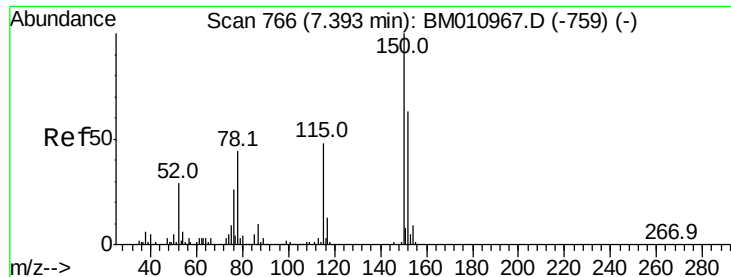
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073117\  
Data File : BM011064.D  
Acq On : 31 Jul 2017 12:54  
Operator : SJ/JU  
Sample : I4465-03  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-A

Quant Time: Jul 31 14:35:10 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



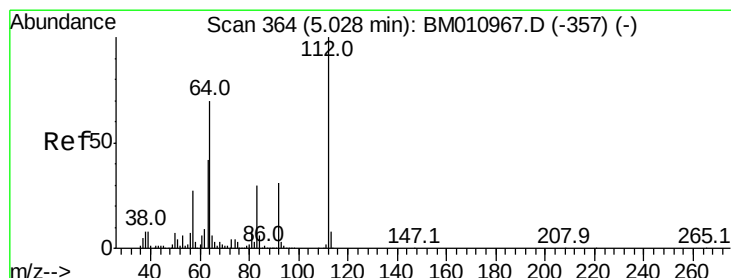
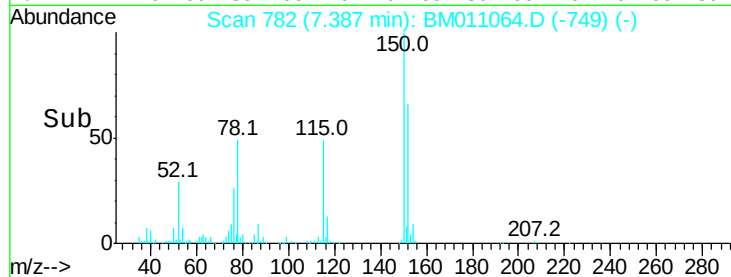
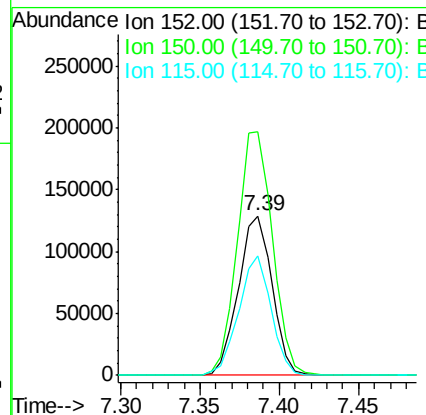
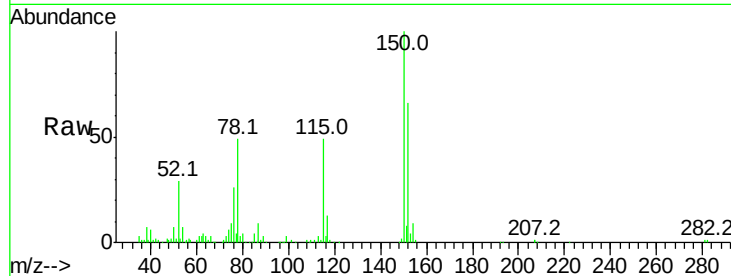


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011064.D  
Acq: 31 Jul 2017 12:54

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-A

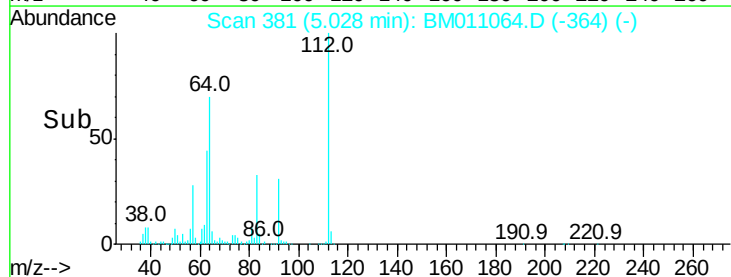
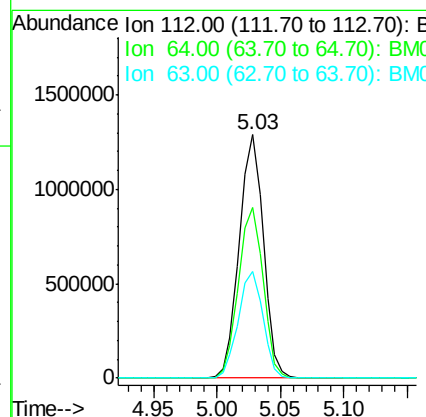
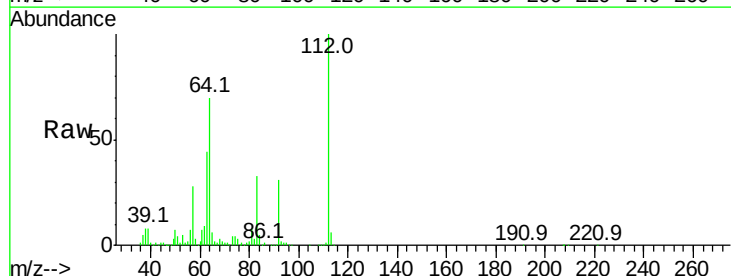
Tot Ion:152 Resp: 190525  
Ion Ratio Lower Upper  
152 100  
150 152.5 119.5 179.3  
115 74.7 43.0 64.4#

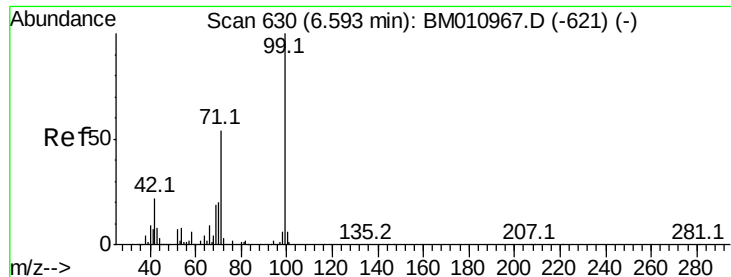


#5

2-Fluorophenol  
Concen: 150.626 ng  
RT: 5.03 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: BM011064.D  
Acq: 31 Jul 2017 12:54

Tgt Ion:112 Resp: 1697668  
Ion Ratio Lower Upper  
112 100  
64 70.1 38.6 57.8#  
63 43.9 19.3 28.9#





#7

Phenol-d6

Concen: 141.528 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011064.D

Acq: 31 Jul 2017 12:54

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-A

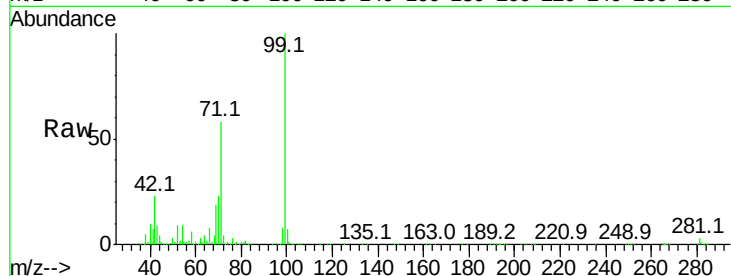
Tot Ion: 99 Resp: 2266378

Ion Ratio Lower Upper

99 100

42 23.5 11.0 16.4#

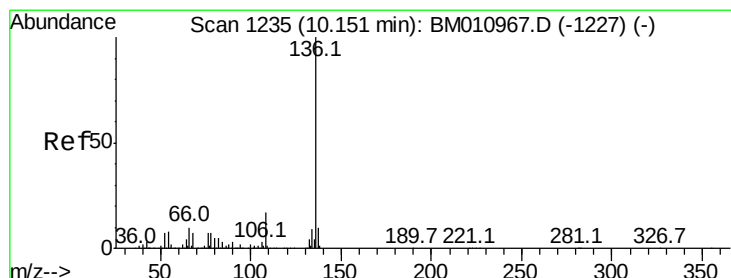
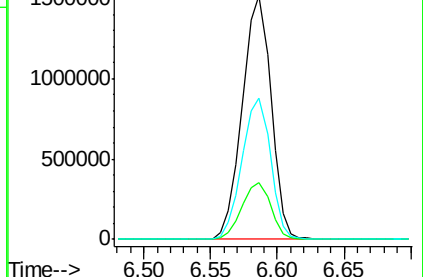
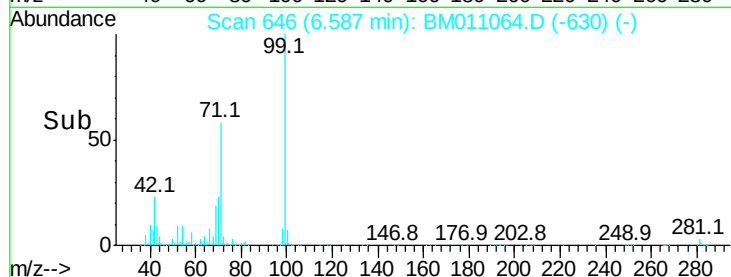
71 57.8 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011064.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011064.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011064.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.14 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM011064.D

Acq: 31 Jul 2017 12:54

Tgt Ion: 136 Resp: 737719

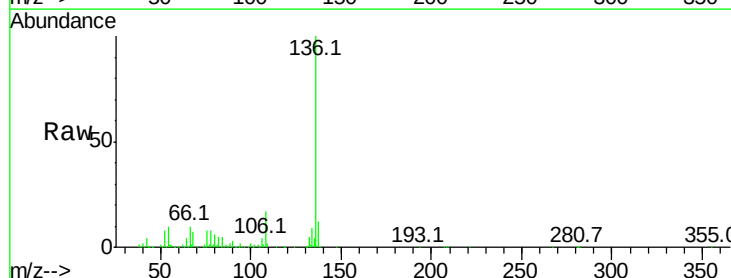
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 10.4 4.6 6.8#

68 6.6 3.7 5.5#

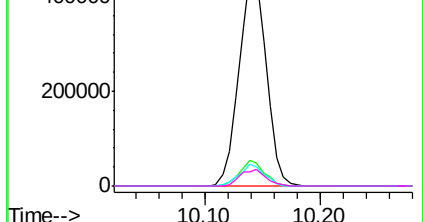
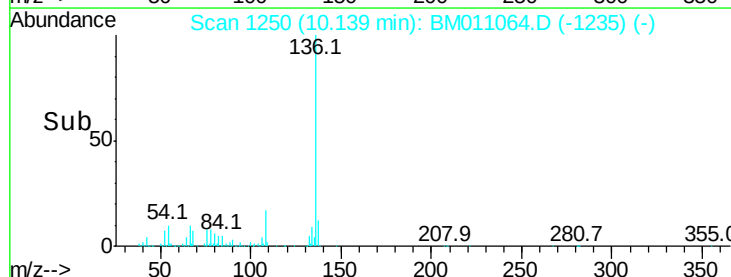


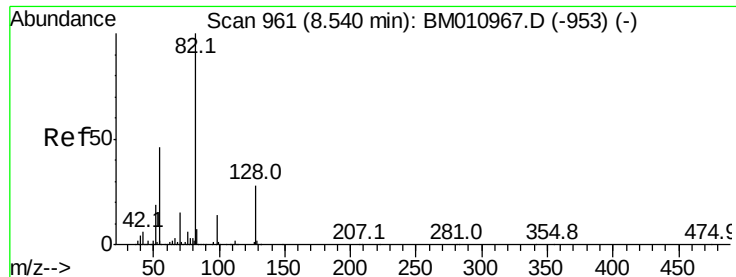
Abundance Ion 136.00 (135.70 to 136.70): BM011064.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM011064.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM011064.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM011064.D (-1235) (-)

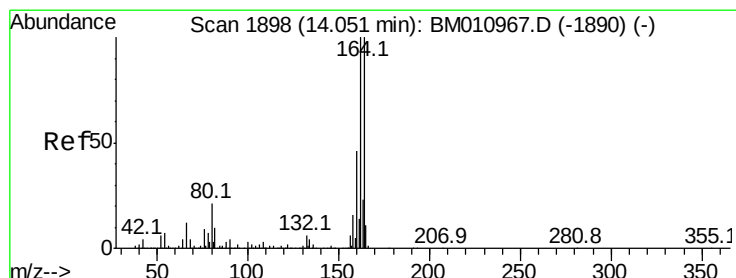
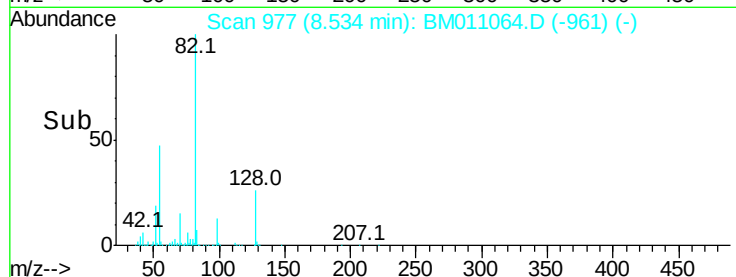
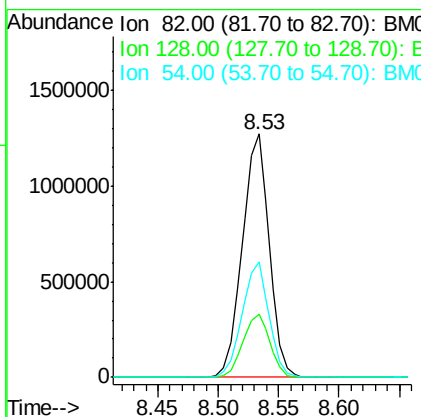
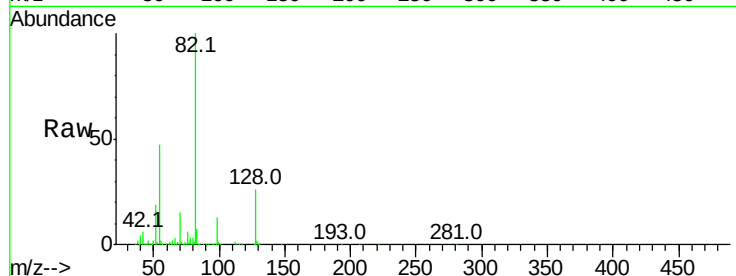




#23  
 Nitrobenzene-d5  
 Concen: 100.824 ng  
 RT: 8.53 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: BM011064.D  
 Acq: 31 Jul 2017 12:54

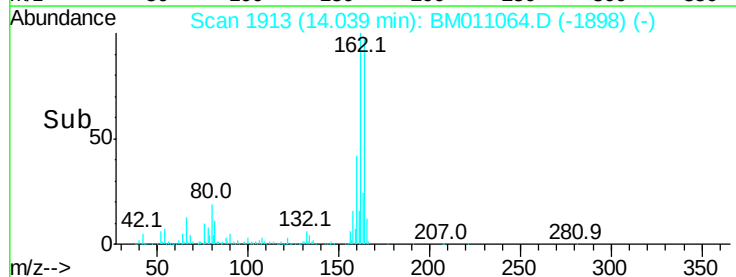
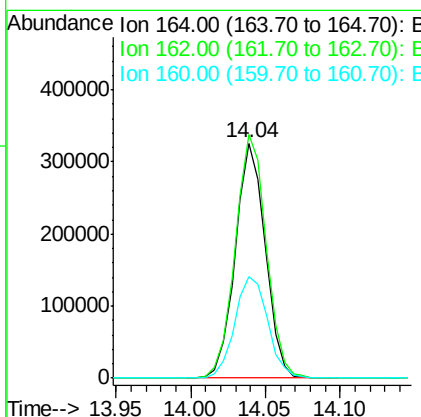
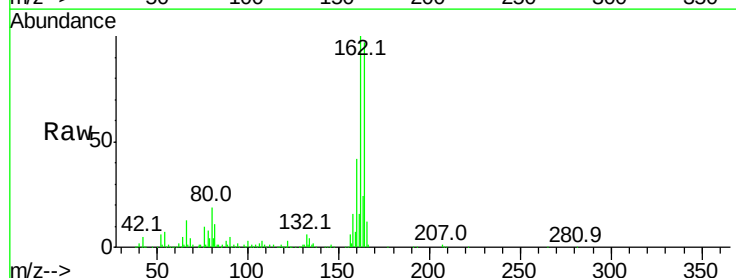
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-A

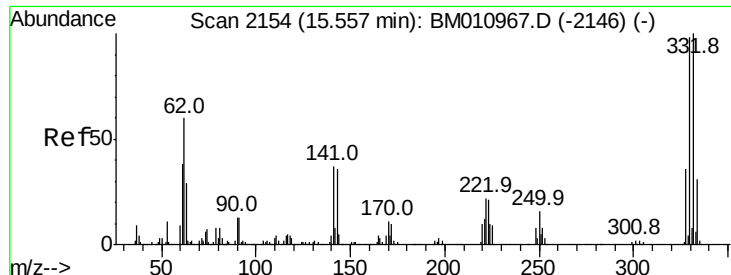
Tot Ion: 82 Resp: 1981789  
 Ion Ratio Lower Upper  
 82 100  
 128 25.9 32.8 49.2#  
 54 47.3 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.04 min Scan# 1913  
 Delta R.T. -0.01 min  
 Lab File: BM011064.D  
 Acq: 31 Jul 2017 12:54

Tgt Ion:164 Resp: 455578  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 82.4 123.6  
 160 43.4 35.8 53.6

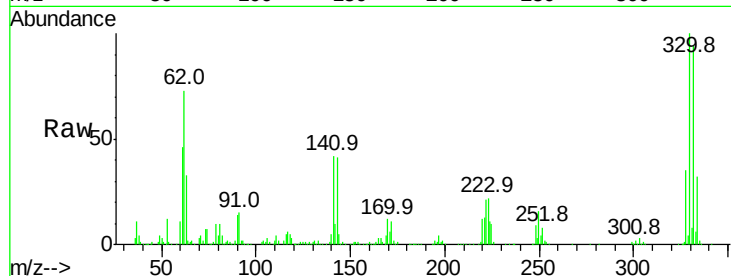




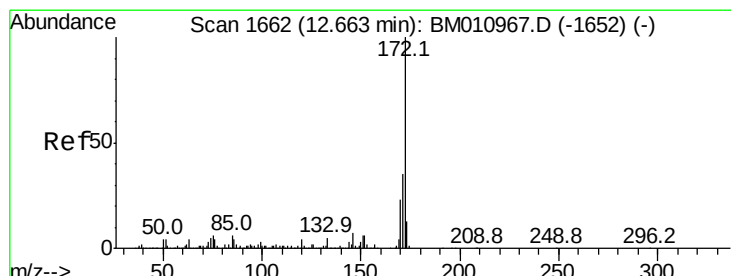
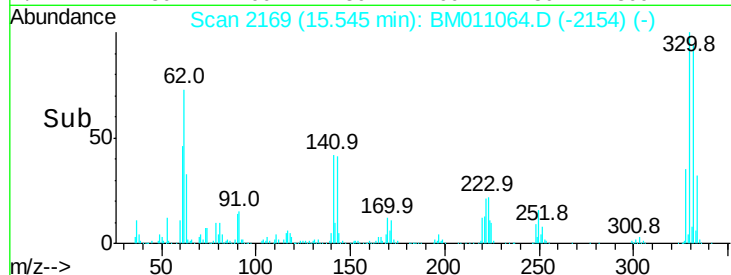
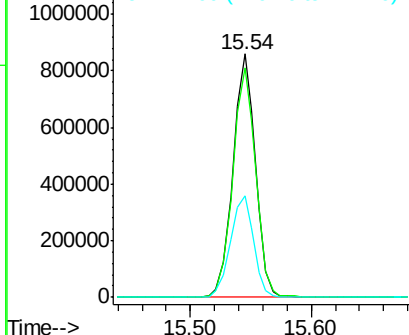
#41  
 2,4,6-Tribromophenol  
 Concen: 152.312 ng  
 RT: 15.54 min Scan# 2169  
 Delta R.T. -0.01 min  
 Lab File: BM011064.D  
 Acq: 31 Jul 2017 12:54

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-A

Tot Ion:330 Resp: 1112177  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 0.0 0.0#  
 141 43.4 0.0 0.0#

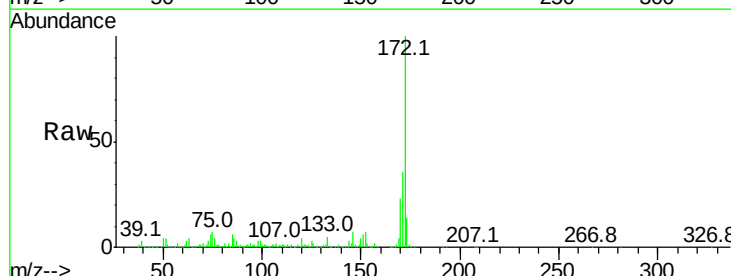


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

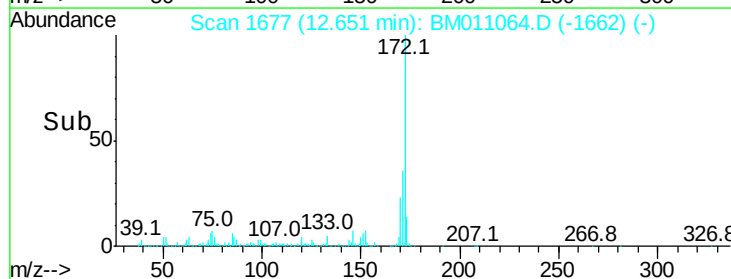
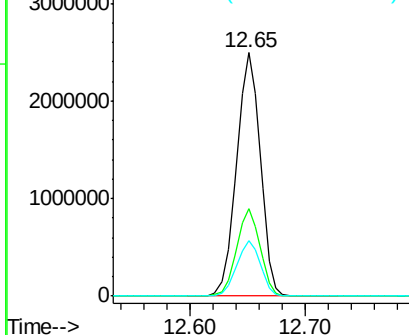


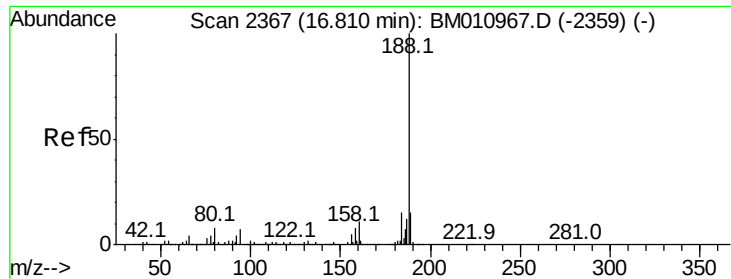
#44  
 2-Fluorobiphenyl  
 Concen: 97.531 ng  
 RT: 12.65 min Scan# 1677  
 Delta R.T. -0.01 min  
 Lab File: BM011064.D  
 Acq: 31 Jul 2017 12:54

Tgt Ion:172 Resp: 3542921  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.5 42.7  
 170 22.8 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

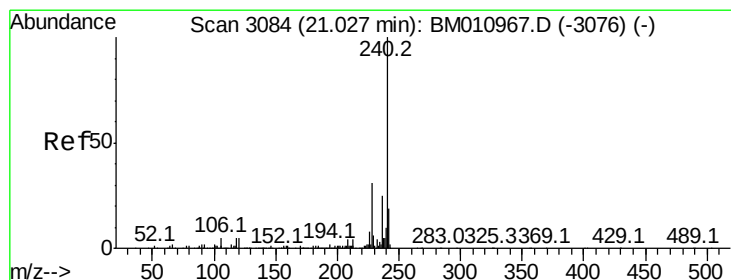
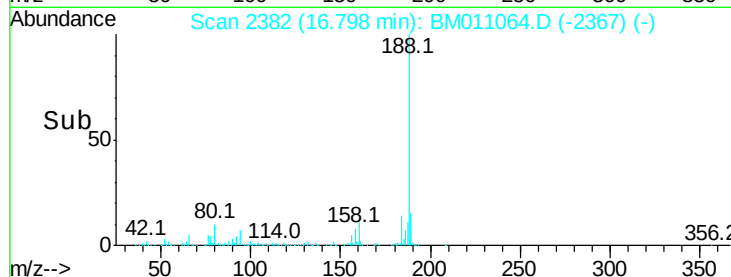
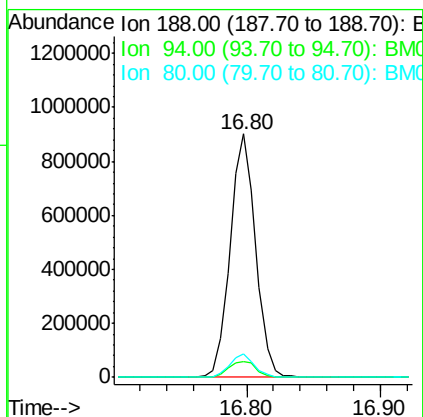
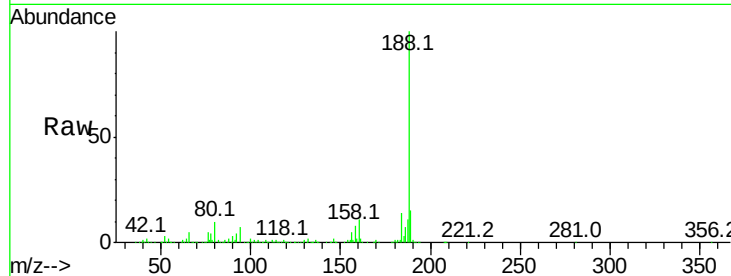




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.80 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BM011064.D  
Acq: 31 Jul 2017 12:54

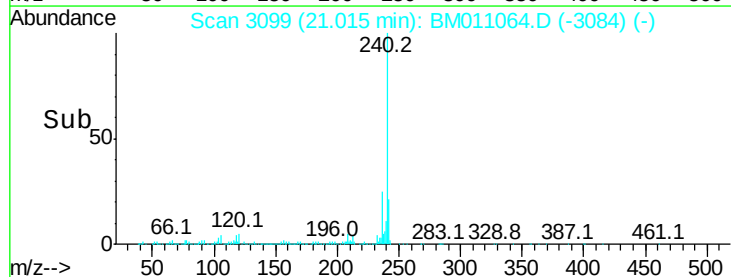
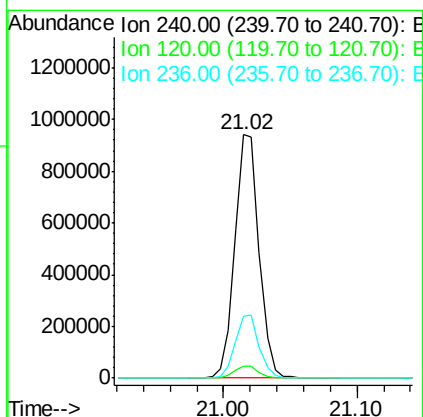
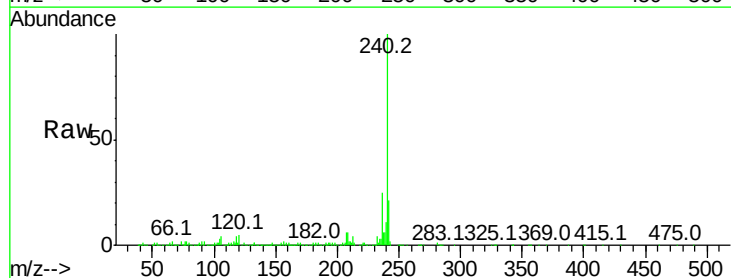
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-A

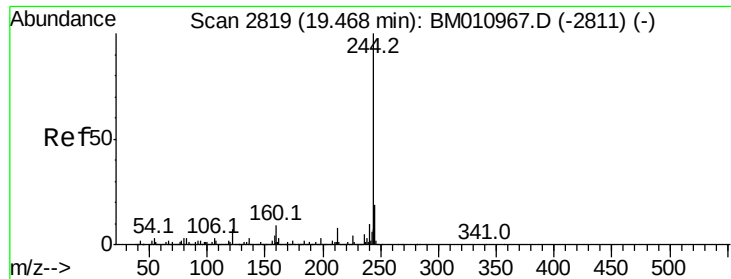
Tot Ion:188 Resp: 1198423  
Ion Ratio Lower Upper  
188 100  
94 6.7 8.7 13.1#  
80 9.7 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.02 min Scan# 3099  
Delta R.T. -0.01 min  
Lab File: BM011064.D  
Acq: 31 Jul 2017 12:54

Tgt Ion:240 Resp: 1193597  
Ion Ratio Lower Upper  
240 100  
120 4.6 8.2 12.2#  
236 25.4 20.0 30.0





#78

Terphenyl-d14

Concen: 96.572 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011064.D

Acq: 31 Jul 2017 12:54

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-A

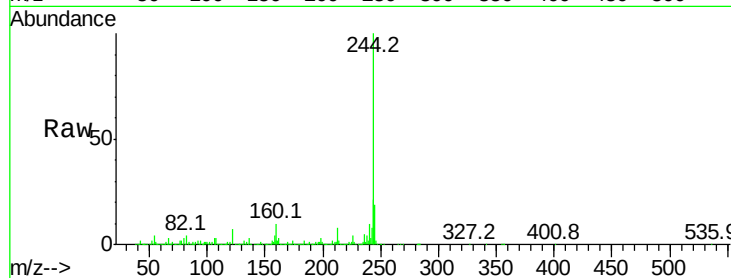
Tot Ion:244 Resp: 5819070

Ion Ratio Lower Upper

244 100

212 8.5 4.9 7.3#

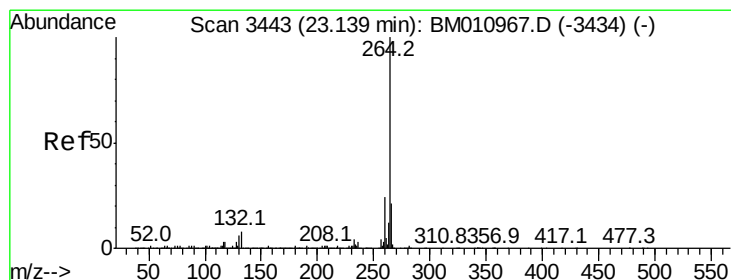
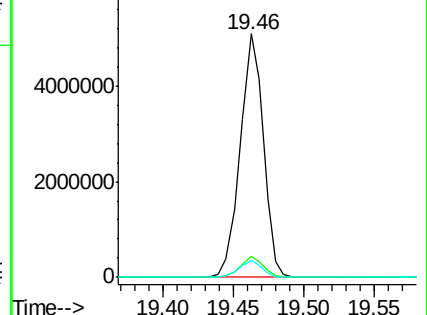
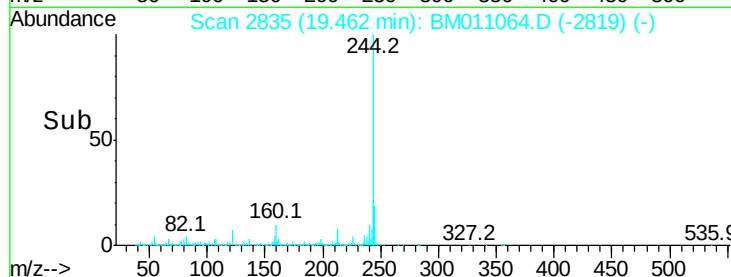
122 7.1 6.2 9.4



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: 20.000 ng

RT: 23.13 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BM011064.D

Acq: 31 Jul 2017 12:54

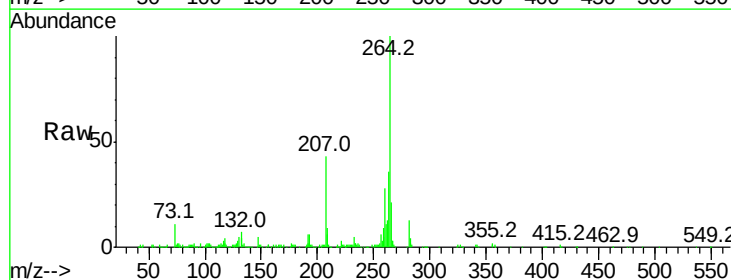
Tgt Ion:264 Resp: 422519

Ion Ratio Lower Upper

264 100

260 27.5 18.6 27.8

265 21.5 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

