

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080117\  
 Data File : BM011078.D  
 Acq On : 01 Aug 2017 12:36  
 Operator : SJ/JU  
 Sample : PB101132TB  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB101132TB

Quant Time: Aug 01 16:15:11 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   | 7.38  | 152  | 200789   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.14 | 136  | 747443   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.04 | 164  | 487865   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 16.80 | 188  | 1069354  | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.02 | 240  | 800464   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.13 | 264  | 684726   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.02  | 112  | 1448674  | 121.96 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 1986737  | 117.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1670556  | 83.88  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.54 | 330  | 813523   | 104.04 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 12.65 | 172  | 3133880  | 80.56  | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.46 | 244  | 3348229  | 82.86  | ng    | 0.00     |

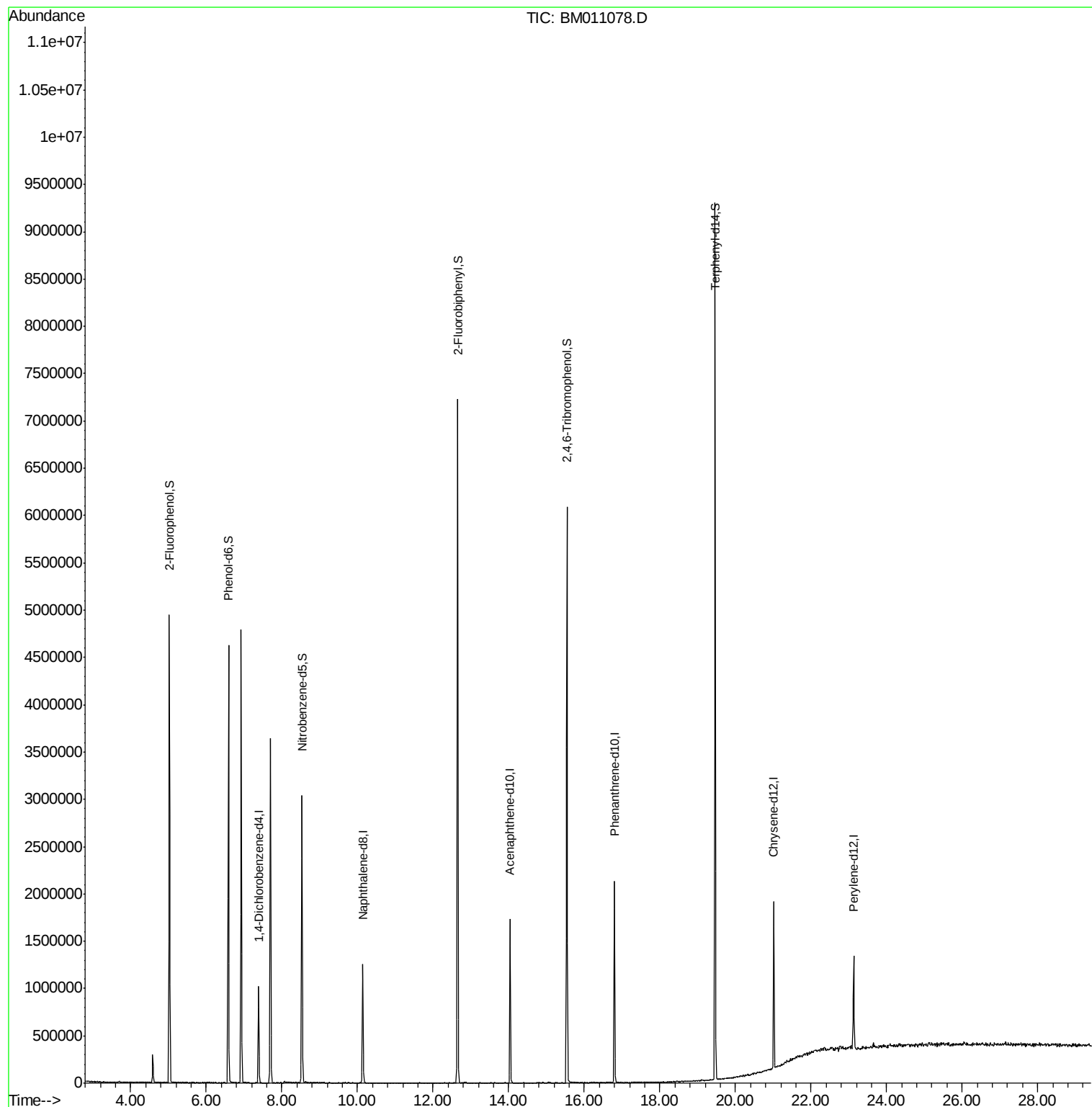
Target Compounds Qvalue

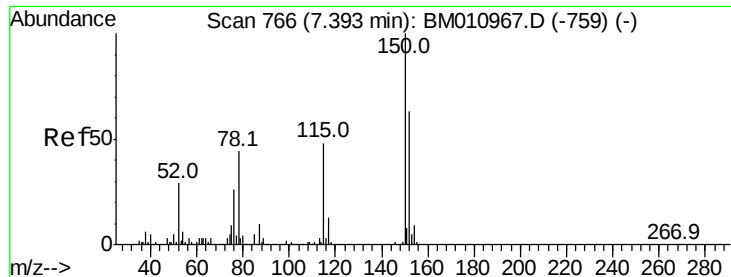
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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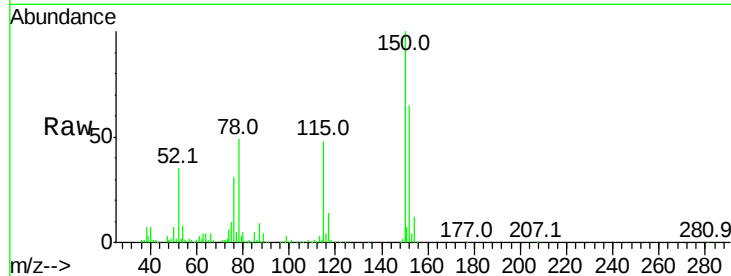


#1

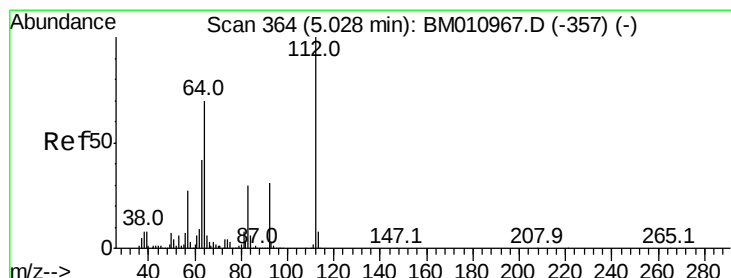
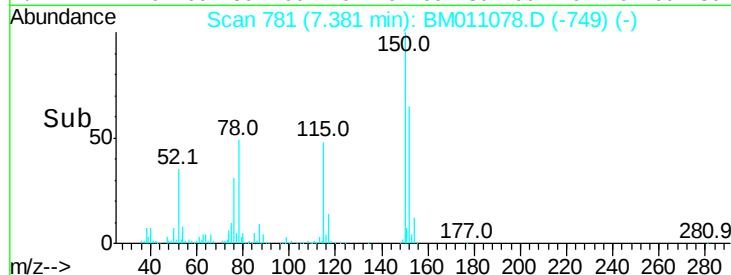
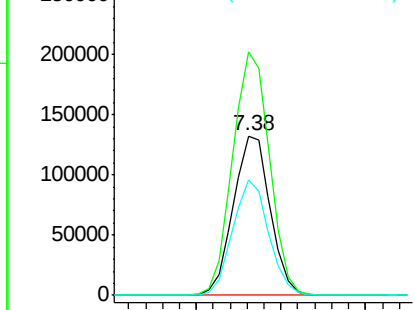
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.38 min Scan# 781  
Delta R.T. -0.01 min  
Lab File: BM011078.D  
Acq: 01 Aug 2017 12:36

Instrument :  
BNA\_M  
ClientSampleId :  
PB101132TB

Tot Ion:152 Resp: 200789  
Ion Ratio Lower Upper  
152 100  
150 152.7 119.5 179.3  
115 72.7 43.0 64.4#



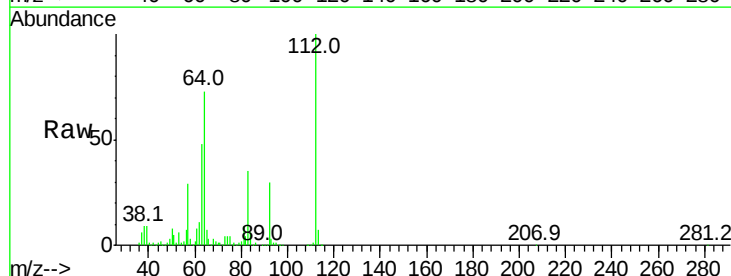
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



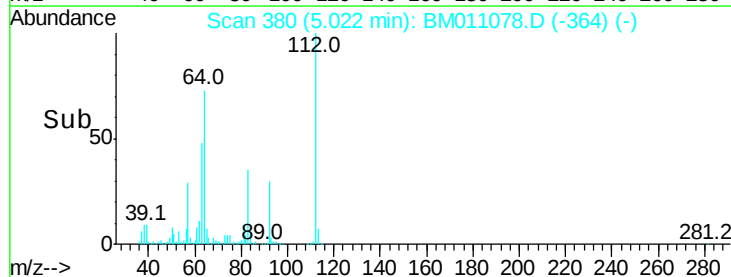
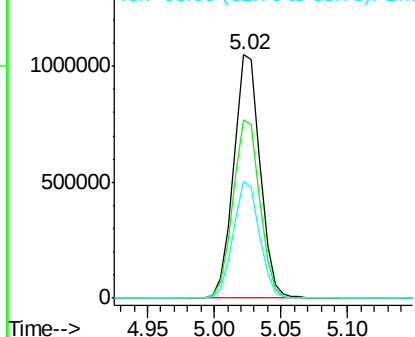
#5

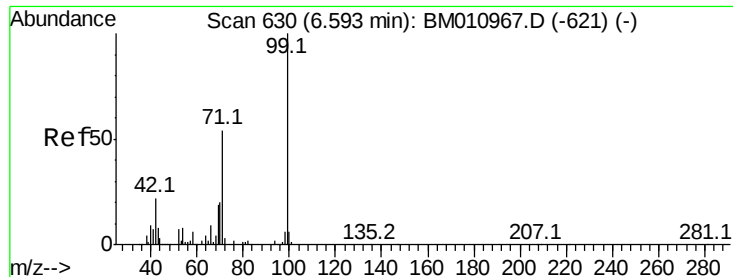
2-Fluorophenol  
Concen: 121.964 ng  
RT: 5.02 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: BM011078.D  
Acq: 01 Aug 2017 12:36

Tgt Ion:112 Resp: 1448674  
Ion Ratio Lower Upper  
112 100  
64 73.4 38.6 57.8#  
63 47.9 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: 117.723 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011078.D

Acq: 01 Aug 2017 12:36

Instrument :

BNA\_M

ClientSampleId :

PB101132TB

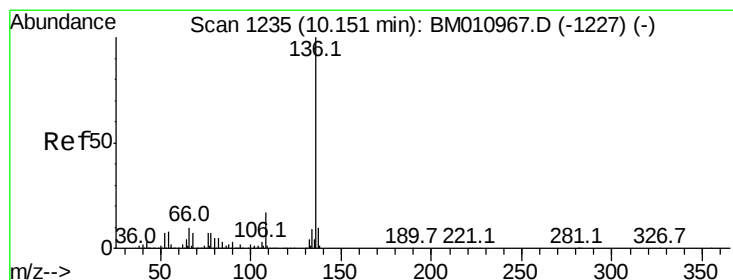
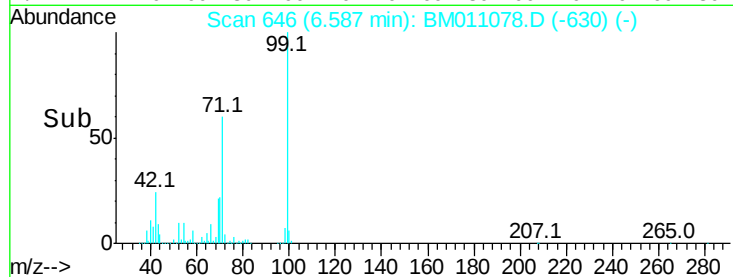
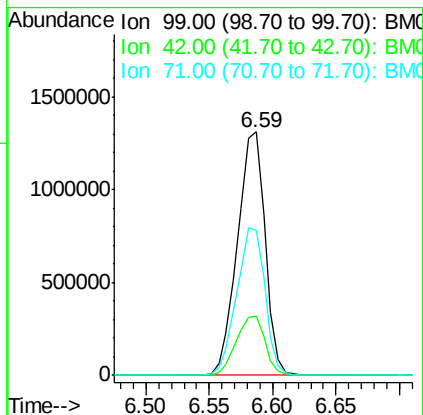
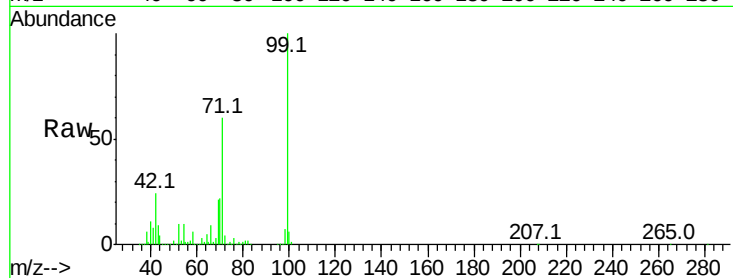
Tot Ion: 99 Resp: 1986737

Ion Ratio Lower Upper

99 100

42 24.5 11.0 16.4#

71 59.8 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.14 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM011078.D

Acq: 01 Aug 2017 12:36

Tgt Ion: 136 Resp: 747443

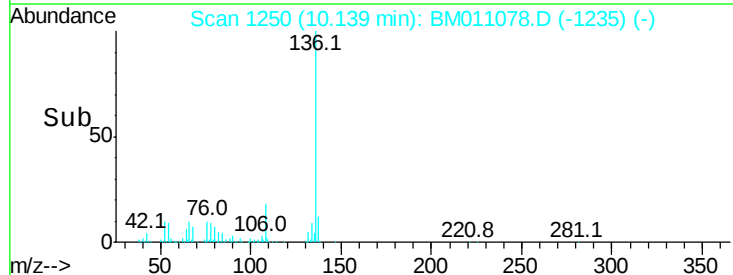
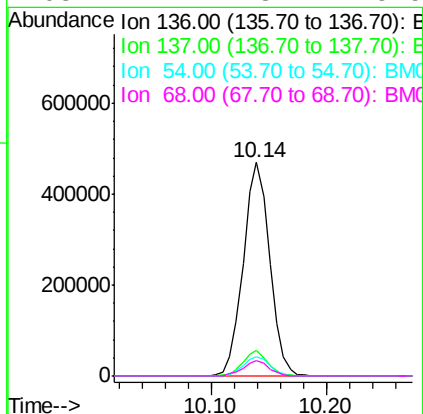
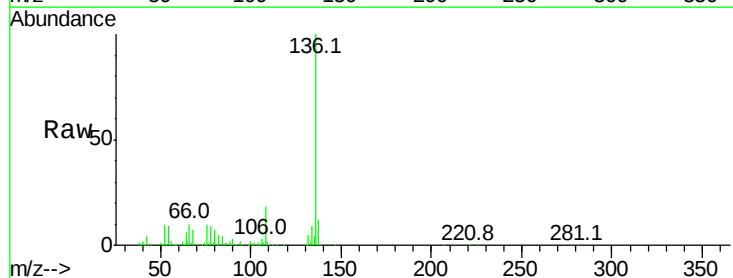
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 8.8 4.6 6.8#

68 7.1 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 83.884 ng

RT: 8.53 min Scan# 976

Delta R.T. -0.01 min

Lab File: BM011078.D

Acq: 01 Aug 2017 12:36

Instrument :

BNA\_M

ClientSampleId :

PB101132TB

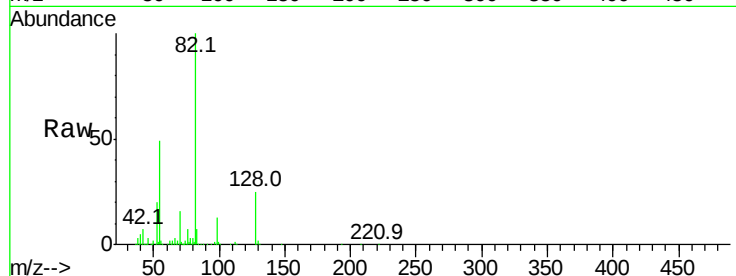
Tot Ion: 82 Resp: 1670556

Ion Ratio Lower Upper

82 100

128 25.5 32.8 49.2#

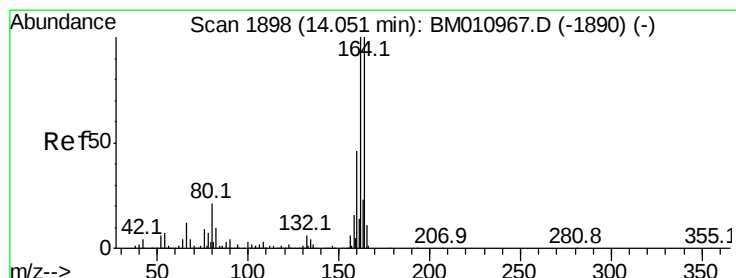
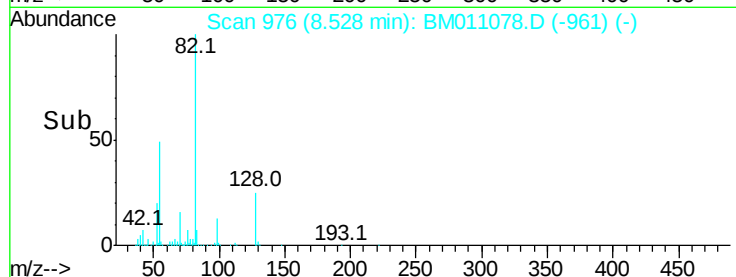
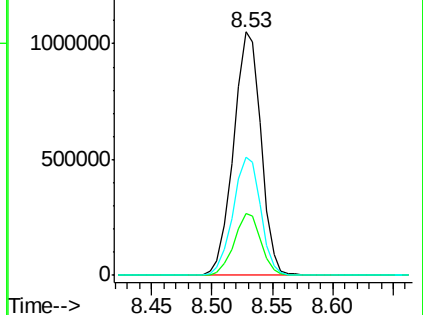
54 48.7 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM011078.D (-961) (-)

Ion 128.00 (127.70 to 128.70): BM011078.D (-961) (-)

Ion 54.00 (53.70 to 54.70): BM011078.D (-961) (-)



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM011078.D

Acq: 01 Aug 2017 12:36

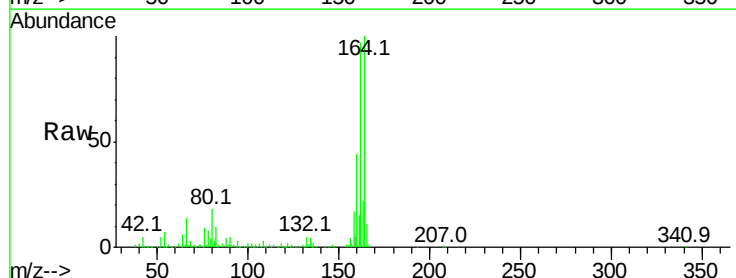
Tgt Ion:164 Resp: 487865

Ion Ratio Lower Upper

164 100

162 96.7 82.4 123.6

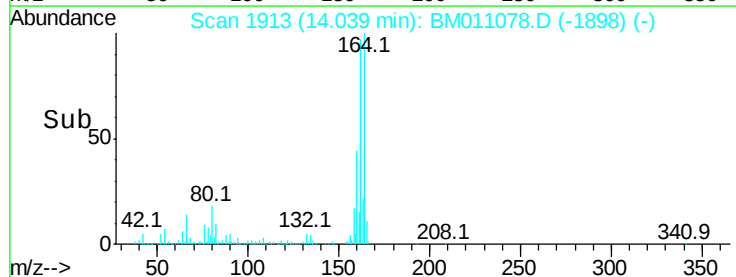
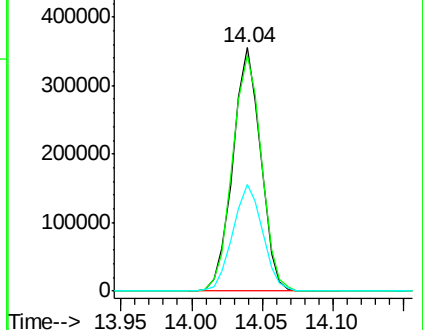
160 43.6 35.8 53.6

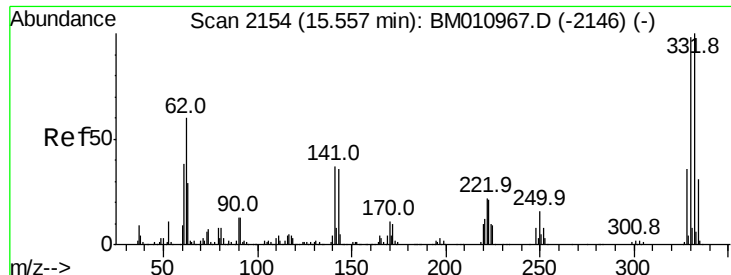


Abundance Ion 164.00 (163.70 to 164.70): BM011078.D (-1898) (-)

Ion 162.00 (161.70 to 162.70): BM011078.D (-1898) (-)

Ion 160.00 (159.70 to 160.70): BM011078.D (-1898) (-)

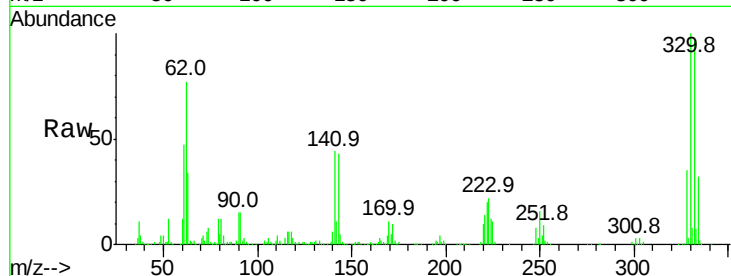




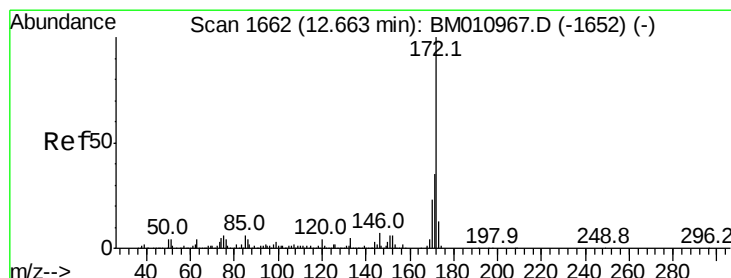
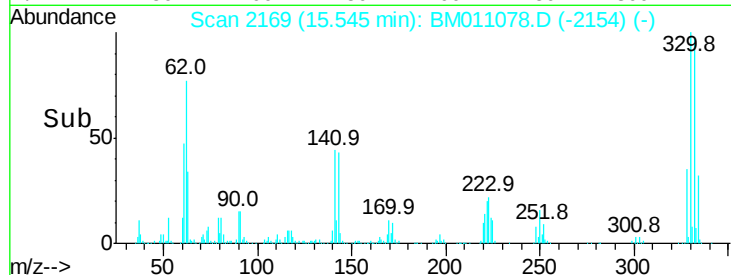
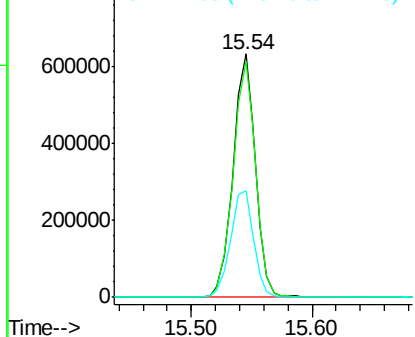
#41  
 2,4,6-Tribromophenol  
 Concen: 104.038 ng  
 RT: 15.54 min Scan# 2169  
 Delta R.T. -0.01 min  
 Lab File: BM011078.D  
 Acq: 01 Aug 2017 12:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB101132TB

Tot Ion:330 Resp: 813523  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 0.0 0.0#  
 141 45.7 0.0 0.0#

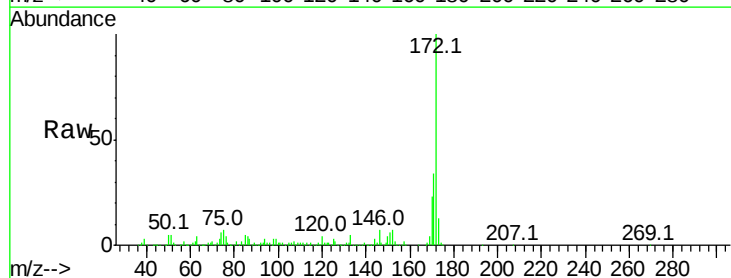


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

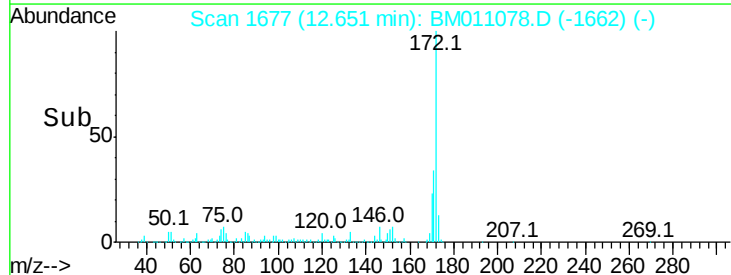
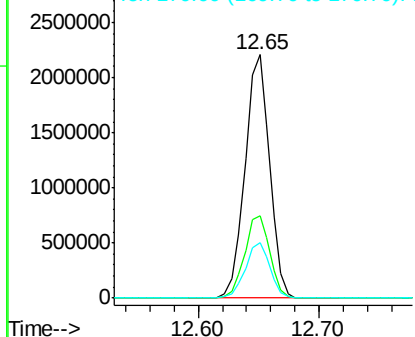


#44  
 2-Fluorobiphenyl  
 Concen: 80.561 ng  
 RT: 12.65 min Scan# 1677  
 Delta R.T. -0.01 min  
 Lab File: BM011078.D  
 Acq: 01 Aug 2017 12:36

Tgt Ion:172 Resp: 3133880  
 Ion Ratio Lower Upper  
 172 100  
 171 34.0 28.5 42.7  
 170 22.7 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

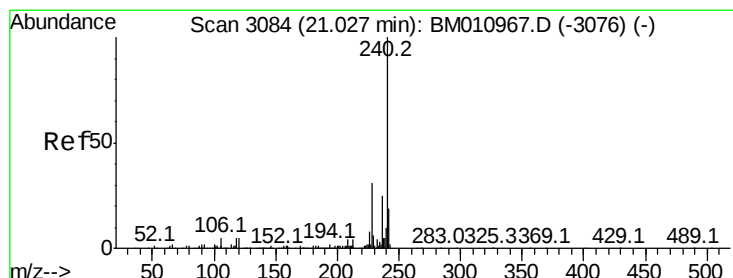
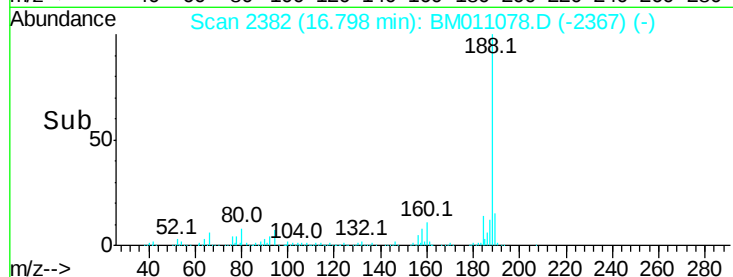
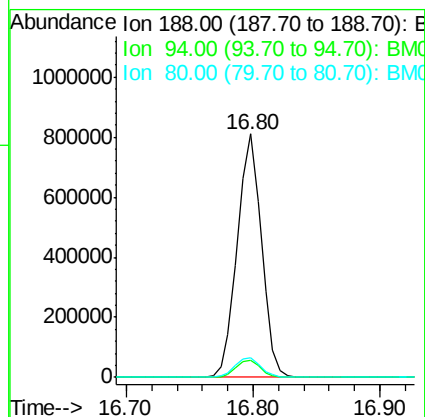
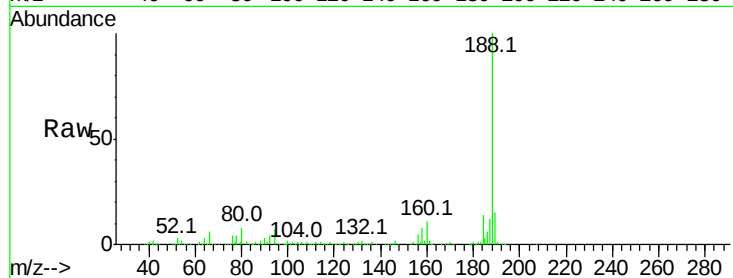




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.80 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BM011078.D  
Acq: 01 Aug 2017 12:36

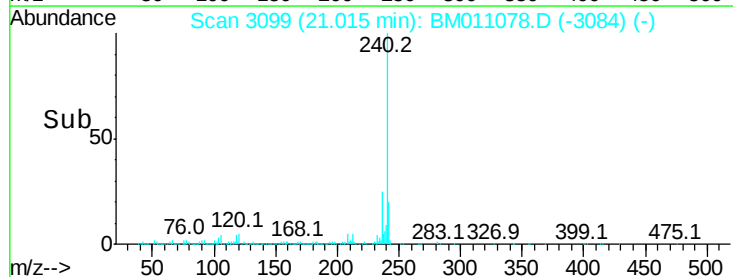
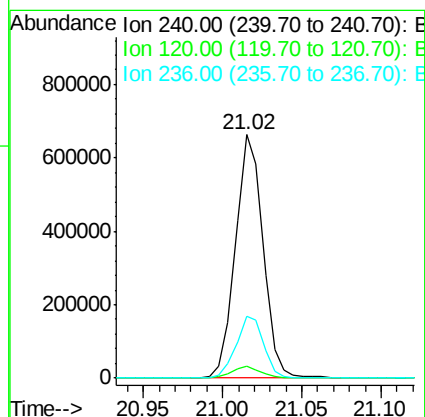
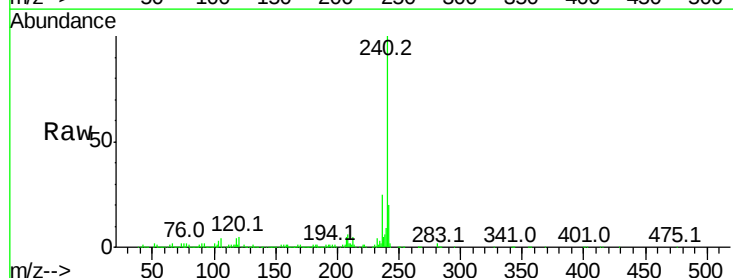
Instrument :  
BNA\_M  
ClientSampleId :  
PB101132TB

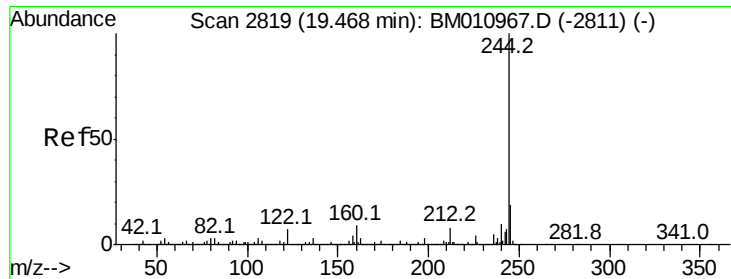
Tot Ion:188 Resp: 1069354  
Ion Ratio Lower Upper  
188 100  
94 7.2 8.7 13.1#  
80 8.2 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.02 min Scan# 3099  
Delta R.T. -0.01 min  
Lab File: BM011078.D  
Acq: 01 Aug 2017 12:36

Tgt Ion:240 Resp: 800464  
Ion Ratio Lower Upper  
240 100  
120 5.0 8.2 12.2#  
236 25.5 20.0 30.0





#78

Terphenyl-d14

Concen: 82.857 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011078.D

Acq: 01 Aug 2017 12:36

Instrument :

BNA\_M

ClientSampleId :

PB101132TB

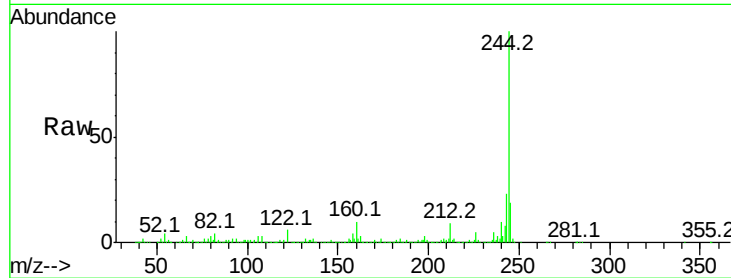
Tot Ion:244 Resp: 3348229

Ion Ratio Lower Upper

244 100

212 8.6 4.9 7.3#

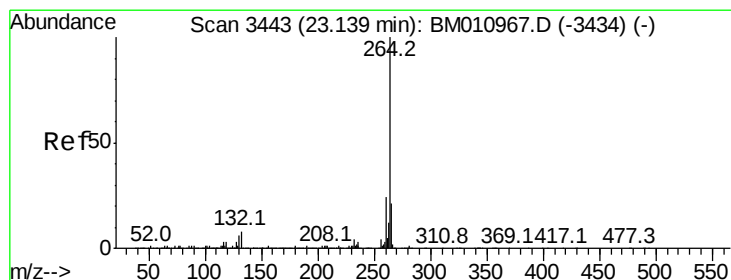
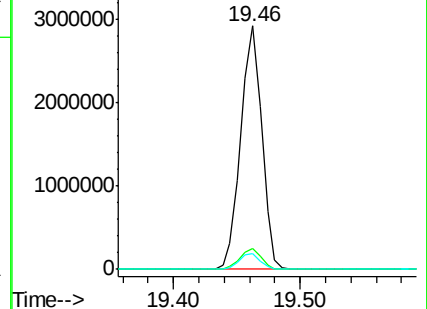
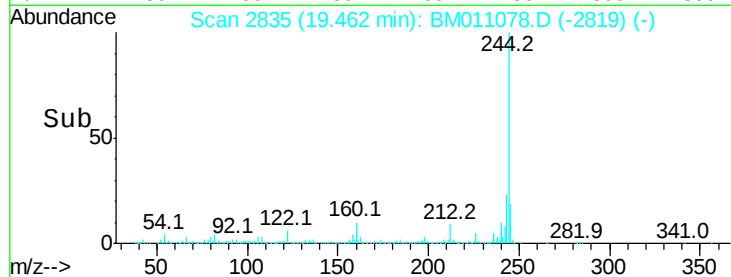
122 6.5 6.2 9.4



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

Perylene-d12

Concen: 20.000 ng

RT: 23.13 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BM011078.D

Acq: 01 Aug 2017 12:36

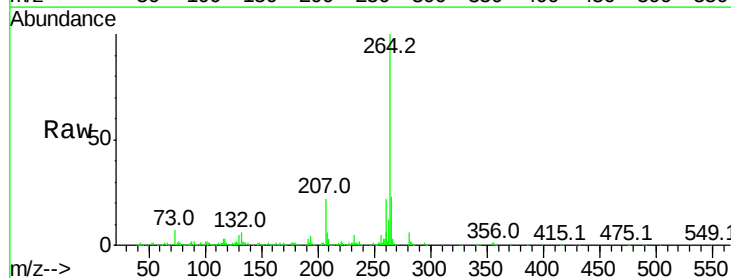
Tgt Ion:264 Resp: 684726

Ion Ratio Lower Upper

264 100

260 22.3 18.6 27.8

265 23.2 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

