

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072117\  
 Data File : BM010957.D  
 Acq On : 22 Jul 2017 03:59  
 Operator : SJ/JU  
 Sample : PB100830TB  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB100830TB

Quant Time: Jul 22 05:03:57 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 240146   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.18 | 136  | 877277   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.07 | 164  | 579077   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 16.83 | 188  | 1410847  | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.05 | 240  | 1129580  | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 23.17 | 264  | 453142   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.06  | 112  | 2034328  | 140.32 | ng    | -0.02    |
| 7) Phenol-d6                | 6.62  | 99   | 2686373  | 134.41 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.57  | 82   | 2116989  | 92.76  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.58 | 330  | 1307642  | 147.77 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 12.69 | 172  | 4300086  | 92.38  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.49 | 244  | 5834581  | 99.90  | ng    | -0.02    |

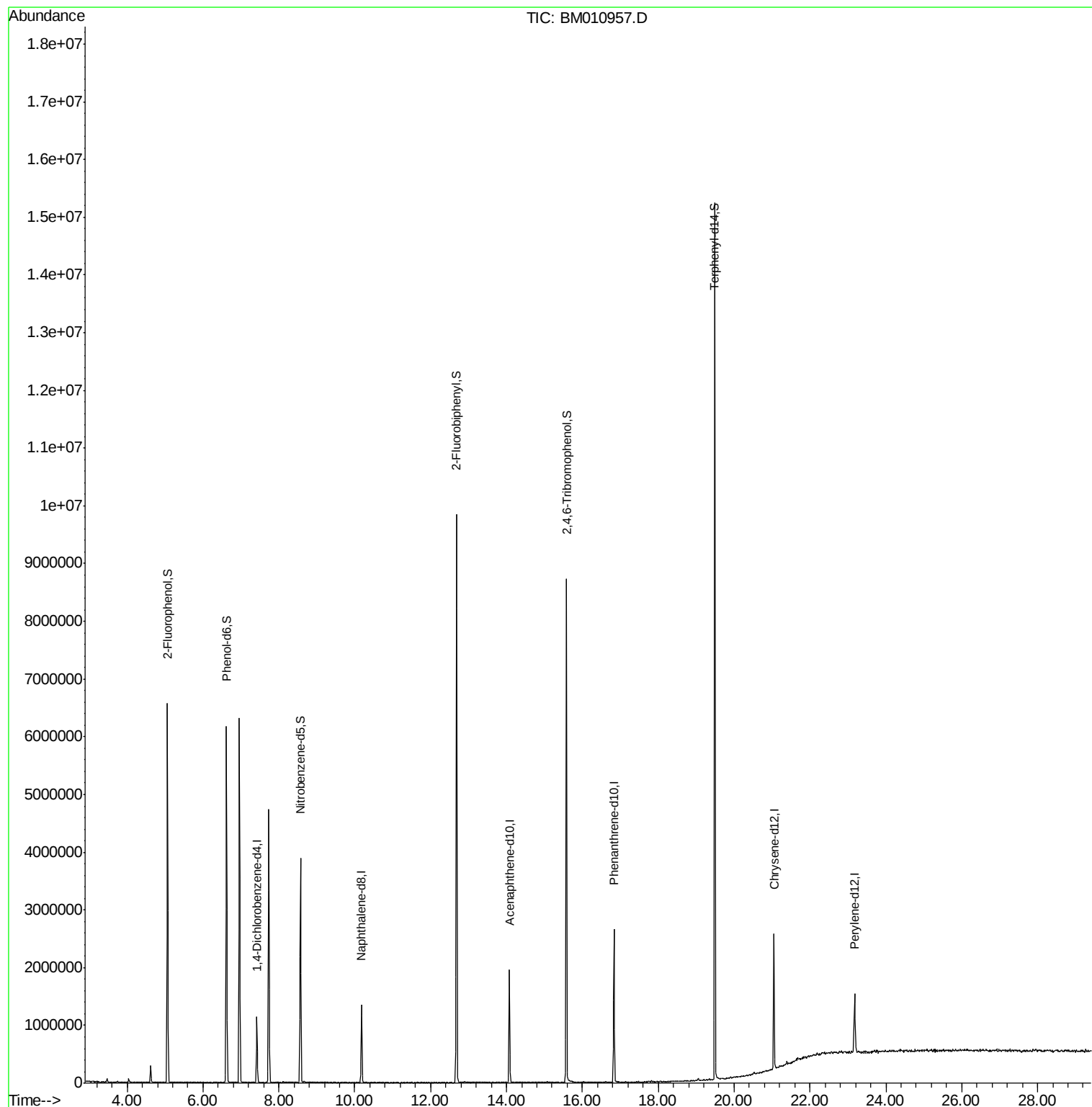
Target Compounds Qvalue

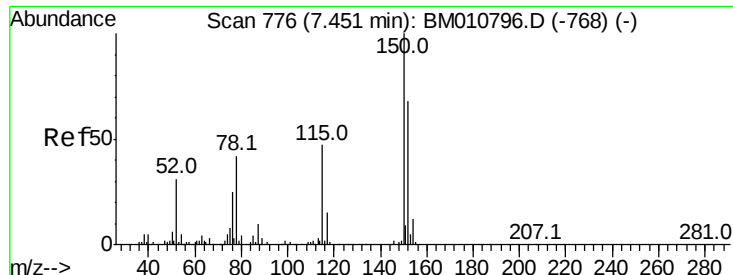
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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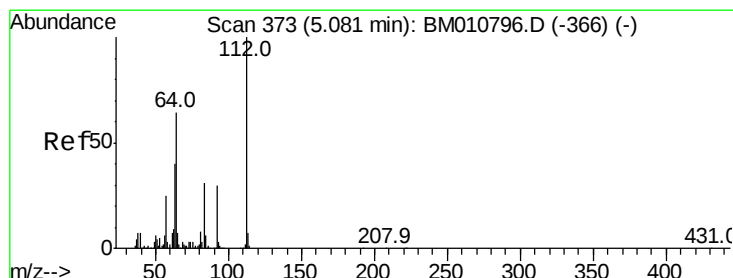
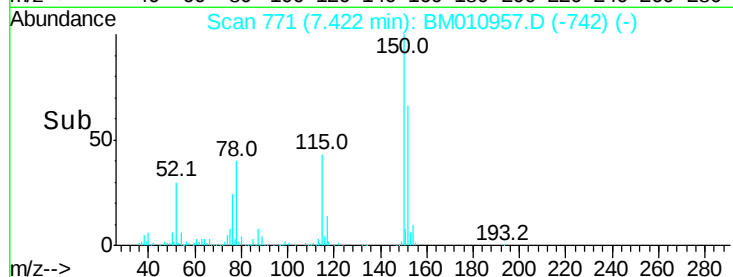
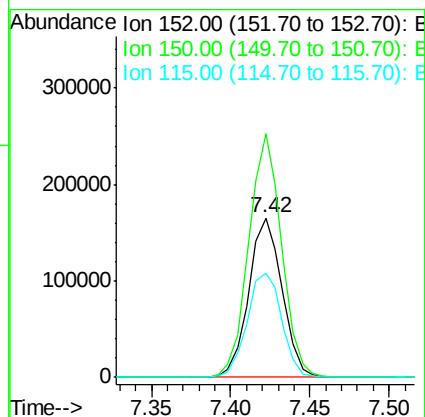
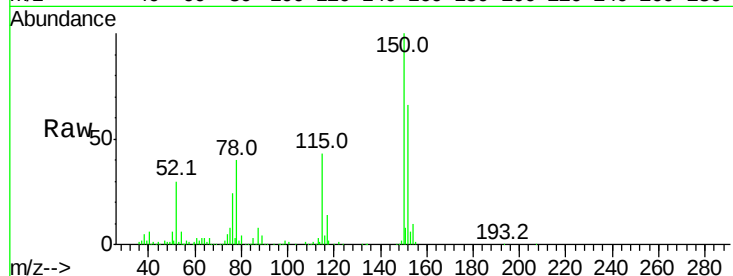


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.42 min Scan# 771  
Delta R.T. -0.03 min  
Lab File: BM010957.D  
Acq: 22 Jul 2017 03:59

Instrument :  
BNA\_M  
ClientSampleId :  
PB100830TB

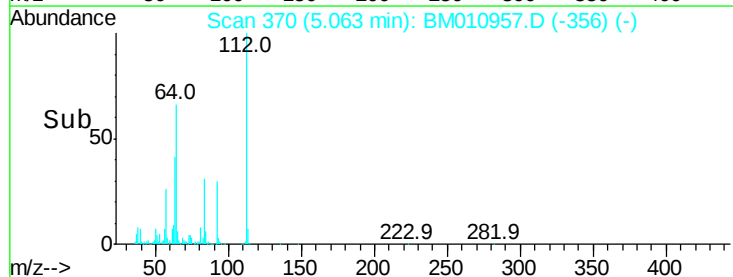
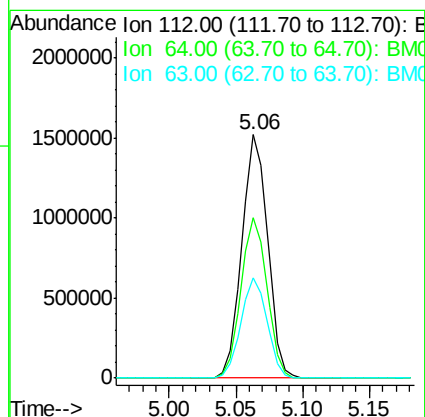
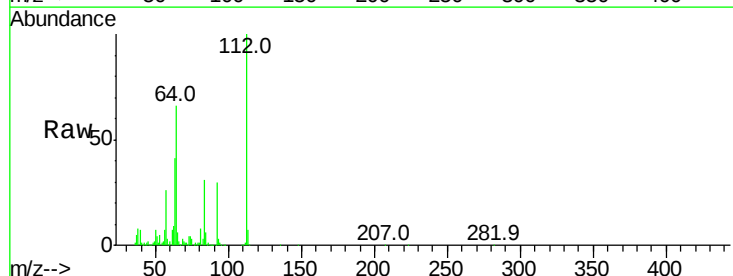
Tot Ion:152 Resp: 240146  
Ion Ratio Lower Upper  
152 100  
150 152.6 119.5 179.3  
115 65.4 43.0 64.4#

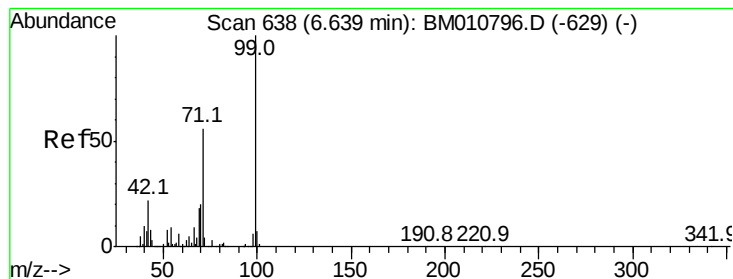


#5

2-Fluorophenol  
Concen: 140.325 ng  
RT: 5.06 min Scan# 370  
Delta R.T. -0.02 min  
Lab File: BM010957.D  
Acq: 22 Jul 2017 03:59

Tgt Ion:112 Resp: 2034328  
Ion Ratio Lower Upper  
112 100  
64 65.7 38.6 57.8#  
63 41.2 19.3 28.9#





#7

Phenol-d6

Concen: 134.414 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.02 min

Lab File: BM010957.D

Acq: 22 Jul 2017 03:59

Instrument :

BNA\_M

ClientSampleId :

PB100830TB

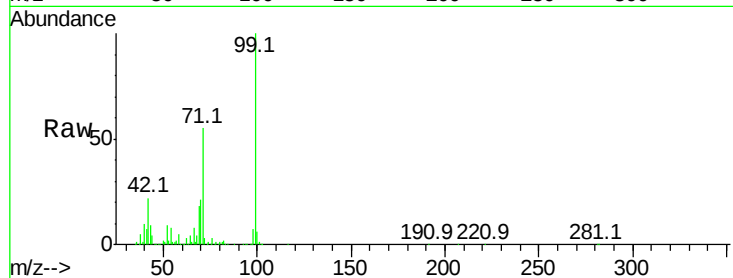
Tot Ion: 99 Resp: 2686373

Ion Ratio Lower Upper

99 100

42 22.0 11.0 16.4#

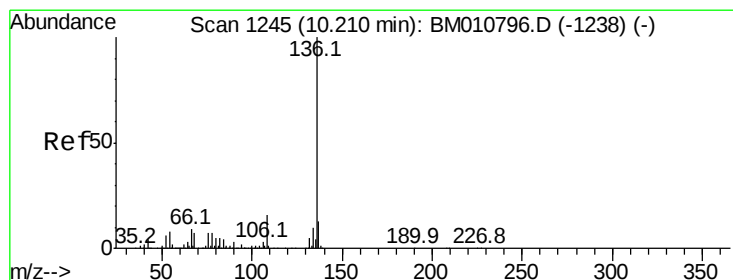
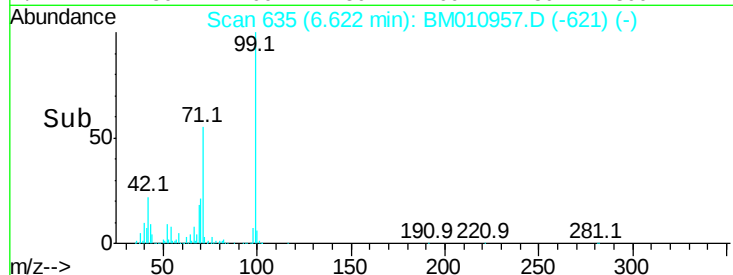
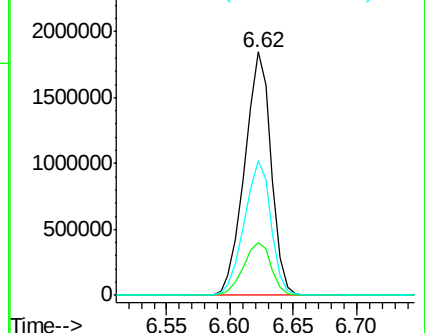
71 55.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010796.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM010796.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM010796.D (-629) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.03 min

Lab File: BM010957.D

Acq: 22 Jul 2017 03:59

Tgt Ion: 136 Resp: 877277

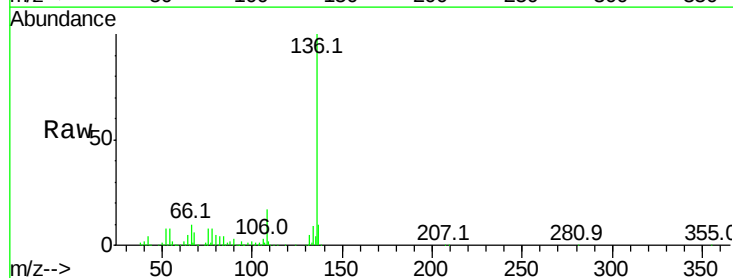
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 7.8 4.6 6.8#

68 6.3 3.7 5.5#

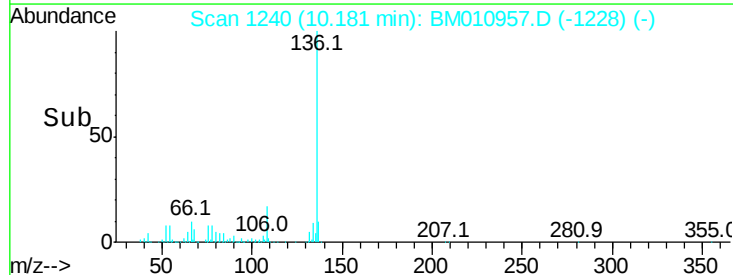
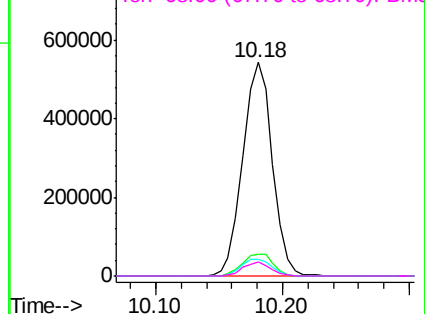


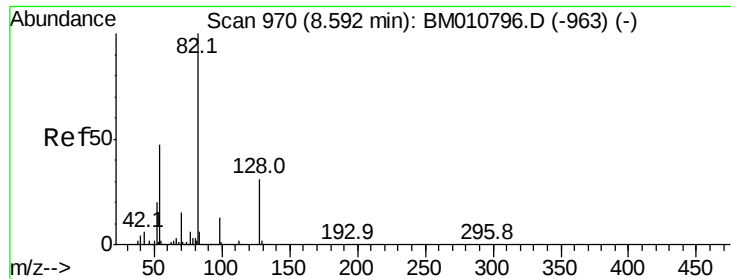
Abundance Ion 136.00 (135.70 to 136.70): BM010796.D (-1238) (-)

Ion 137.00 (136.70 to 137.70): BM010796.D (-1238) (-)

Ion 54.00 (53.70 to 54.70): BM010796.D (-1238) (-)

Ion 68.00 (67.70 to 68.70): BM010796.D (-1238) (-)

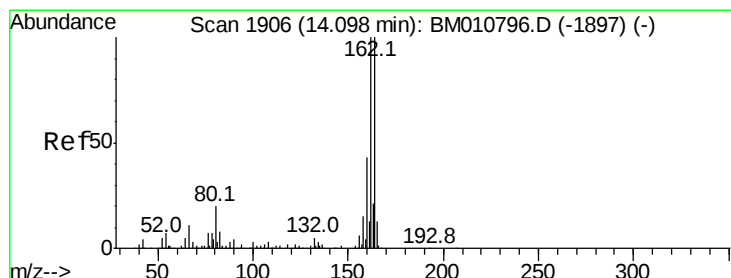
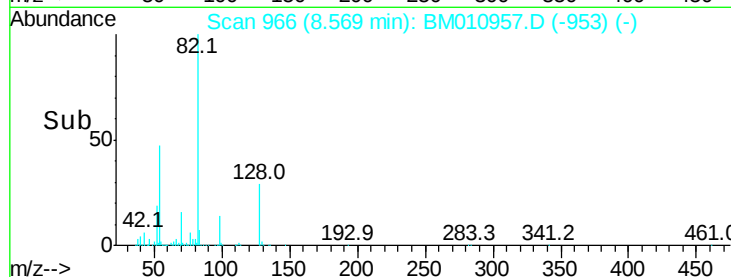
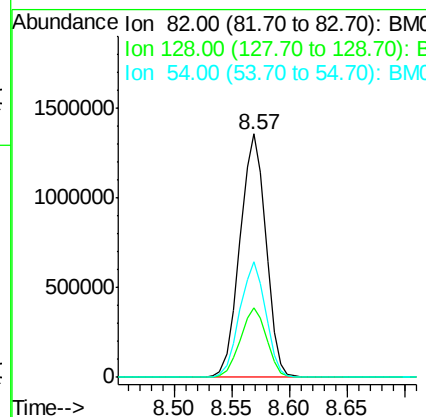
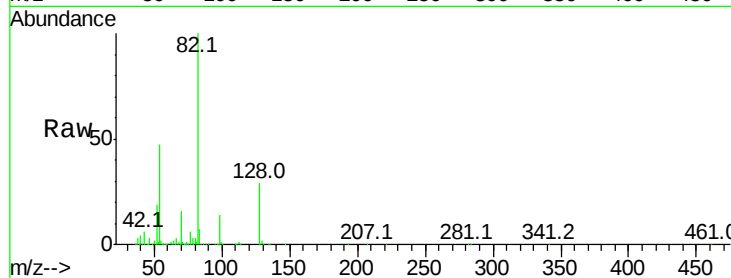




#23  
 Nitrobenzene-d5  
 Concen: 92.755 ng  
 RT: 8.57 min Scan# 966  
 Delta R.T. -0.02 min  
 Lab File: BM010957.D  
 Acq: 22 Jul 2017 03:59

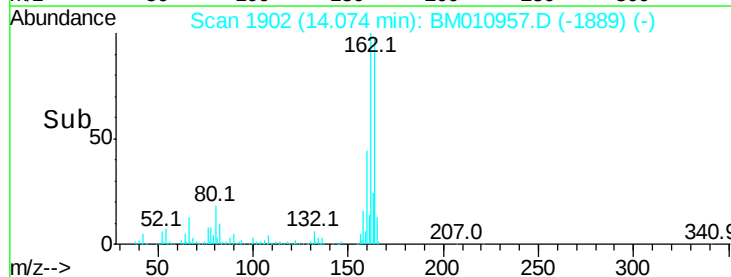
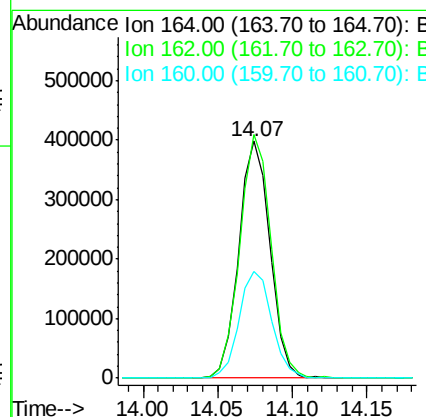
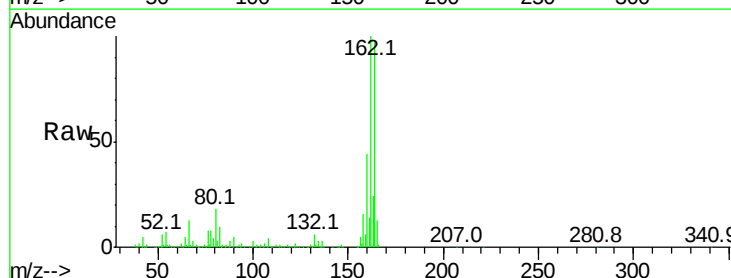
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB100830TB

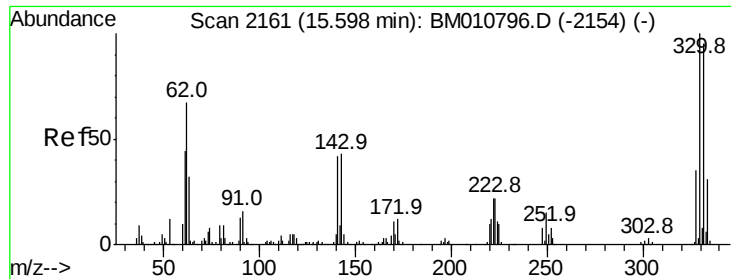
Tot Ion: 82 Resp: 2116989  
 Ion Ratio Lower Upper  
 82 100  
 128 28.6 32.8 49.2#  
 54 47.3 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.07 min Scan# 1902  
 Delta R.T. -0.02 min  
 Lab File: BM010957.D  
 Acq: 22 Jul 2017 03:59

Tgt Ion:164 Resp: 579077  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 82.4 123.6  
 160 44.8 35.8 53.6

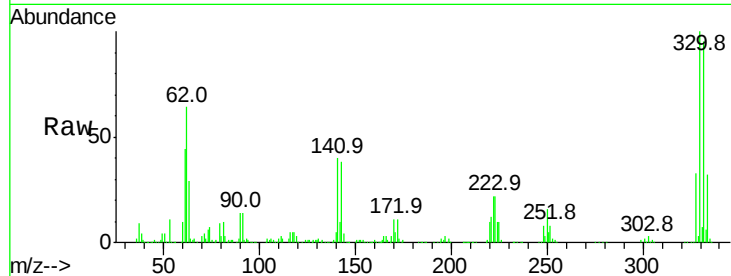




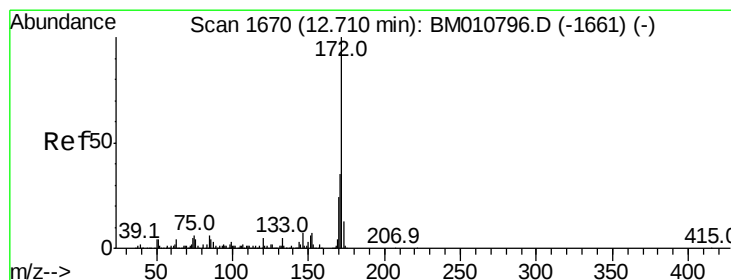
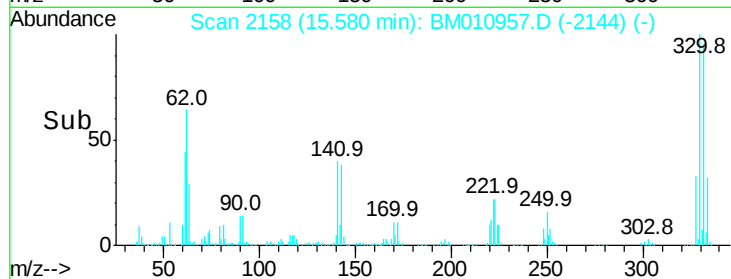
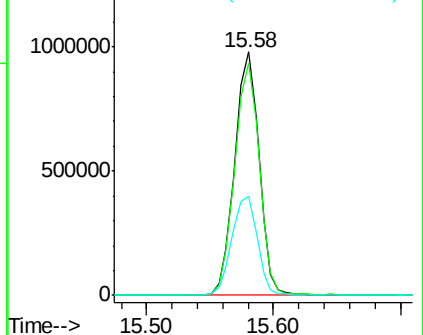
#41  
 2,4,6-Tribromophenol  
 Concen: 147.766 ng  
 RT: 15.58 min Scan# 2158  
 Delta R.T. -0.02 min  
 Lab File: BM010957.D  
 Acq: 22 Jul 2017 03:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB100830TB

Tot Ion:330 Resp: 1307642  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 0.0 0.0#  
 141 42.5 0.0 0.0#

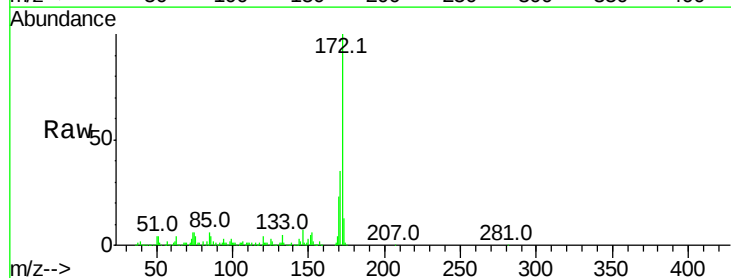


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

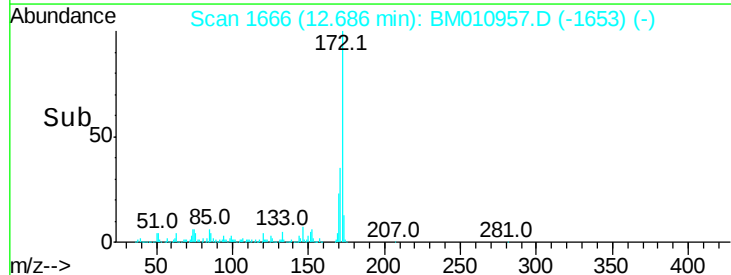
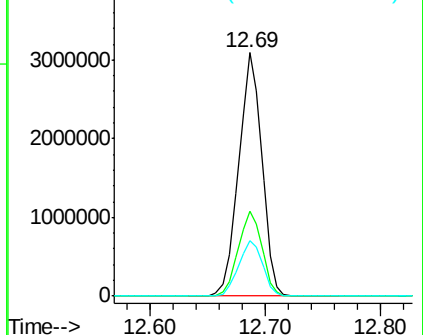


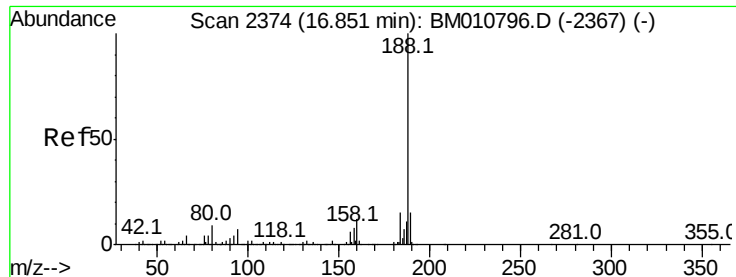
#44  
 2-Fluorobiphenyl  
 Concen: 92.378 ng  
 RT: 12.69 min Scan# 1666  
 Delta R.T. -0.02 min  
 Lab File: BM010957.D  
 Acq: 22 Jul 2017 03:59

Tgt Ion:172 Resp: 4300086  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 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: 16.83 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BM010957.D

Acq: 22 Jul 2017 03:59

Instrument :

BNA\_M

ClientSampleId :

PB100830TB

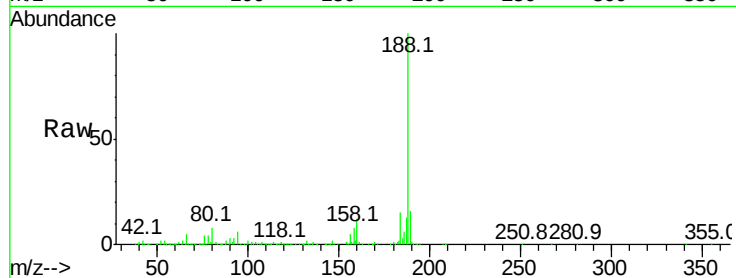
Tot Ion:188 Resp: 1410847

Ion Ratio Lower Upper

188 100

94 6.3 8.7 13.1#

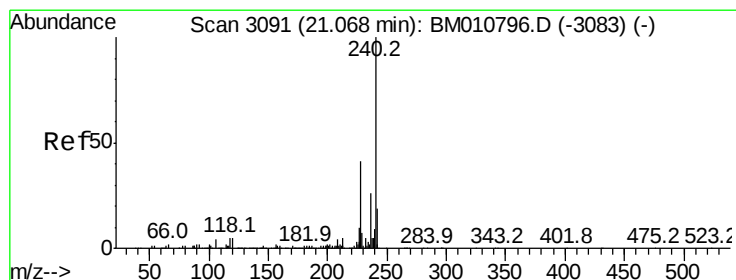
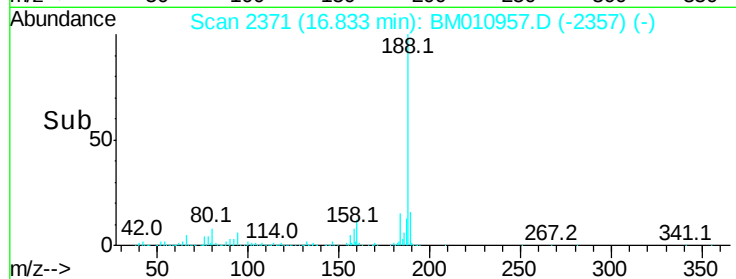
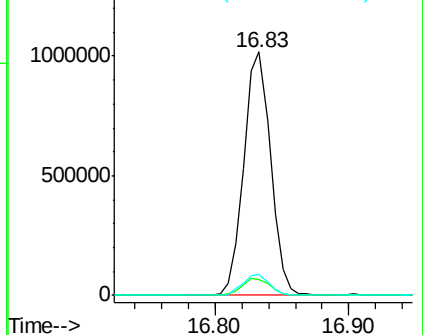
80 8.4 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.02 min

Lab File: BM010957.D

Acq: 22 Jul 2017 03:59

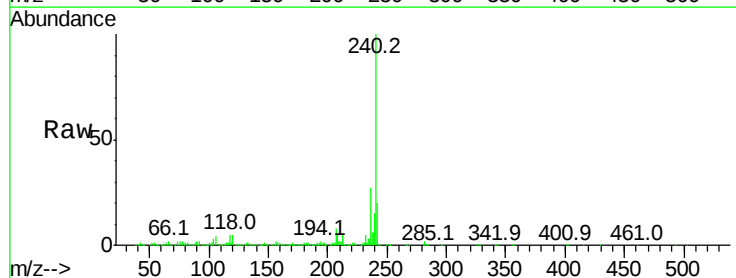
Tgt Ion:240 Resp: 1129580

Ion Ratio Lower Upper

240 100

120 5.1 8.2 12.2#

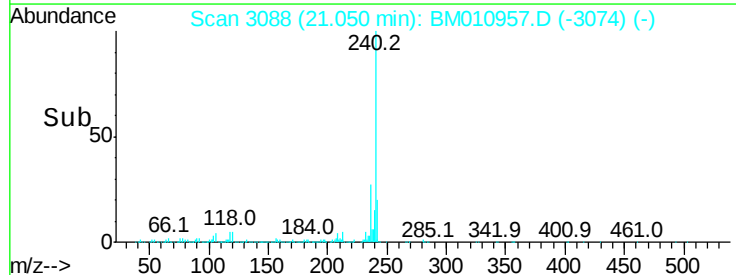
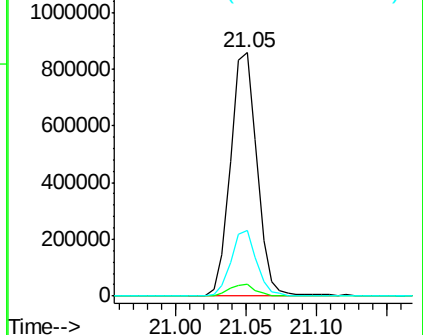
236 26.8 20.0 30.0

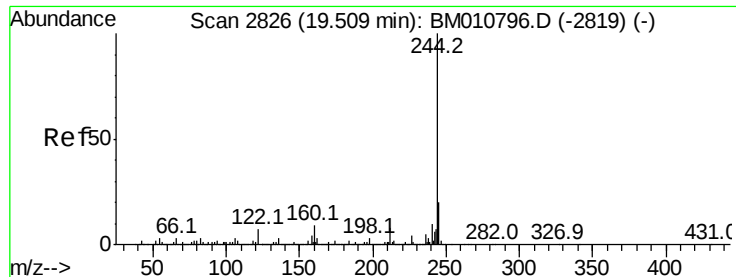


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 99.902 ng

RT: 19.49 min Scan# 2823

Delta R.T. -0.02 min

Lab File: BM010957.D

Acq: 22 Jul 2017 03:59

Instrument :

BNA\_M

ClientSampleId :

PB100830TB

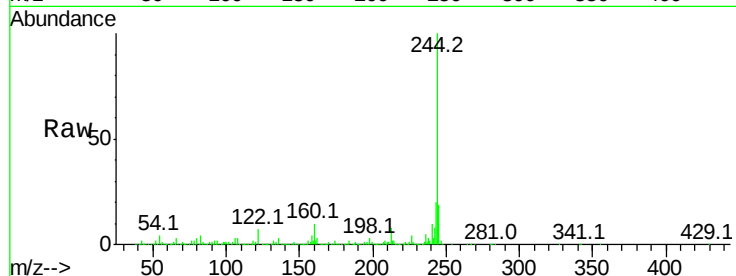
Tot Ion:244 Resp: 5834581

Ion Ratio Lower Upper

244 100

212 8.3 4.9 7.3#

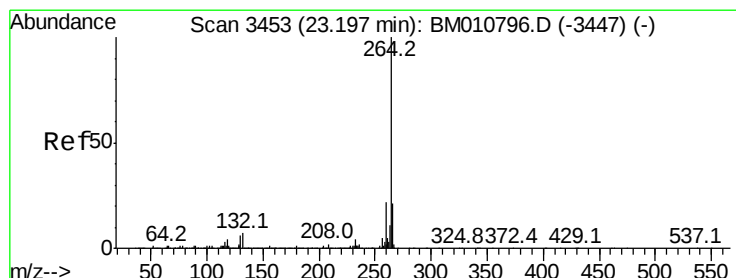
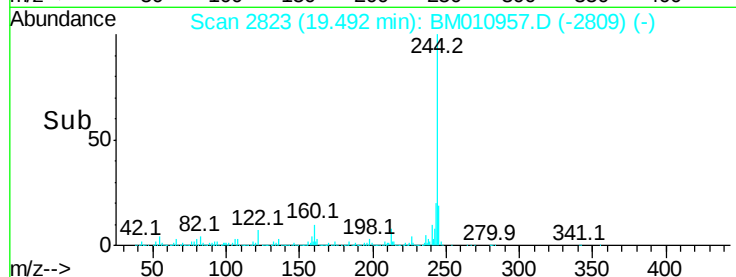
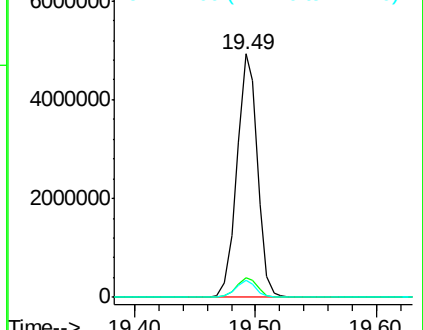
122 6.9 6.2 9.4



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: 23.17 min Scan# 3449

Delta R.T. -0.02 min

Lab File: BM010957.D

Acq: 22 Jul 2017 03:59

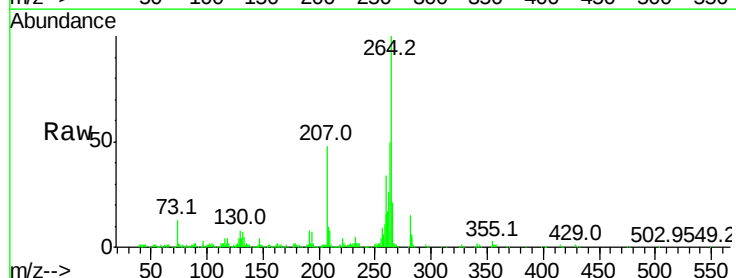
Tgt Ion:264 Resp: 453142

Ion Ratio Lower Upper

264 100

260 34.3 18.6 27.8#

265 21.1 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

