

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071717\  
 Data File : BM010868.D  
 Acq On : 18 Jul 2017 11:19  
 Operator : SJ/JU  
 Sample : I4185-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 HDD-PILWC1

Quant Time: Jul 18 14:45:23 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   | 7.44  | 152  | 205141   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.20 | 136  | 814245   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.09 | 164  | 503754   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.84 | 188  | 1234371  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.06 | 240  | 1072814  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.19 | 264  | 522335   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.09  | 112  | 1850460  | 149.42 | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 2248168  | 131.68 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.59  | 82   | 2087603  | 98.55  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.60 | 330  | 1238998  | 160.94 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.70 | 172  | 4148376  | 102.44 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.51 | 244  | 5702713  | 102.81 | ng    | 0.00     |

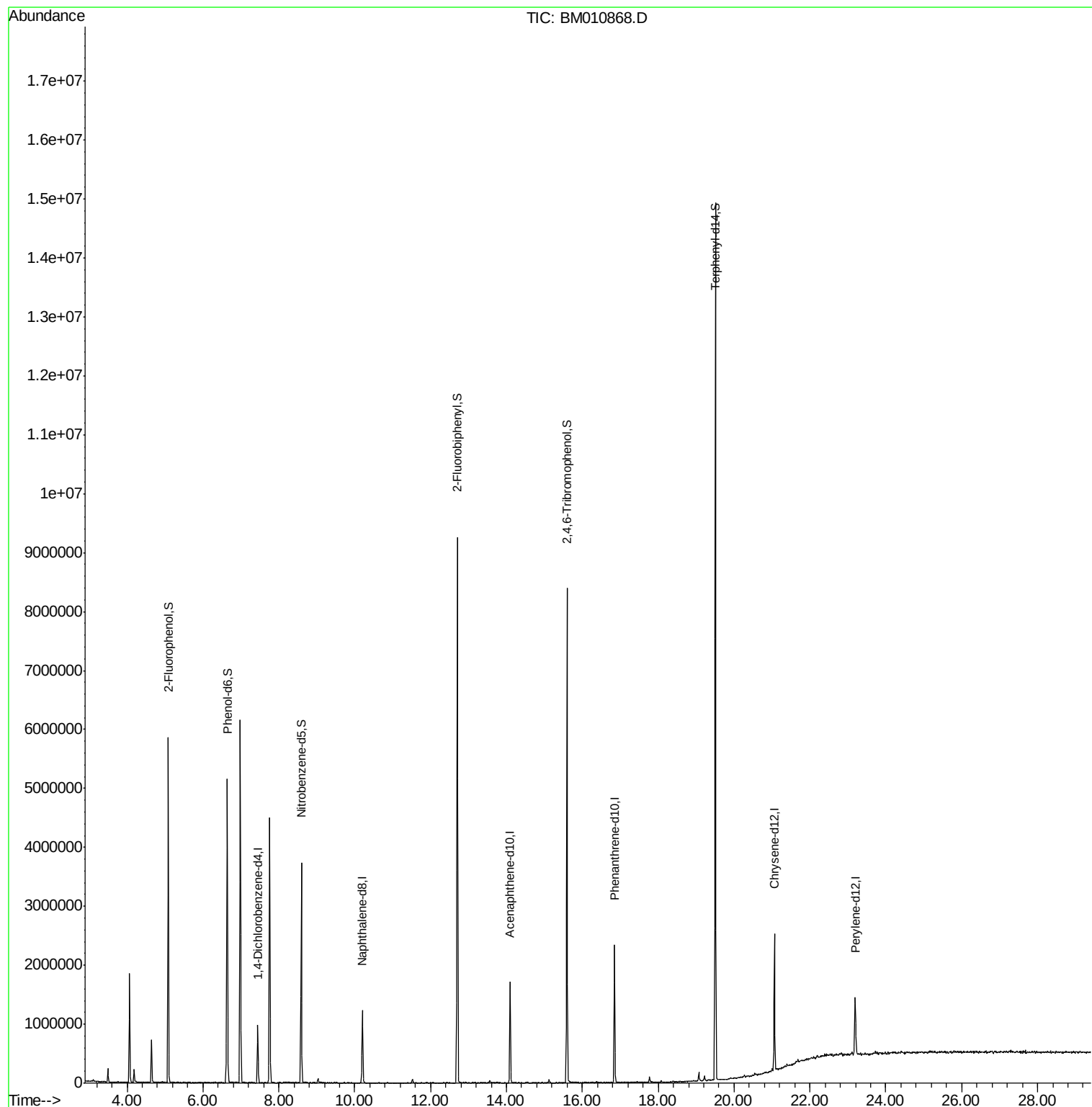
Target Compounds Qvalue

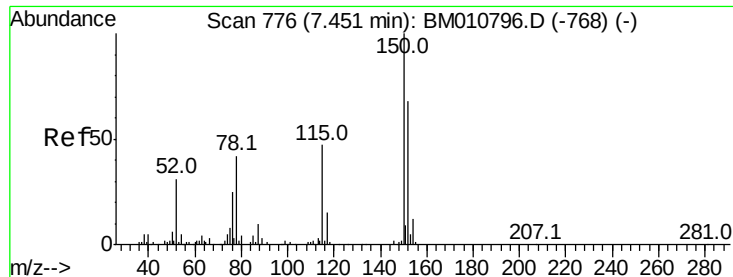
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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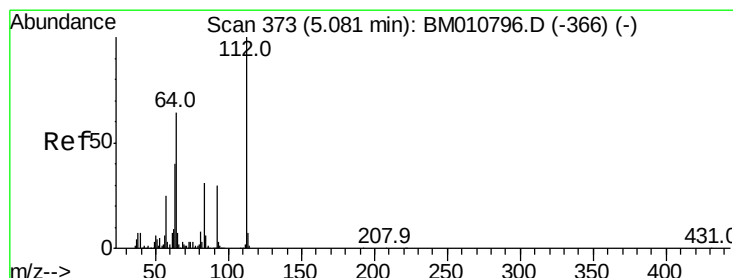
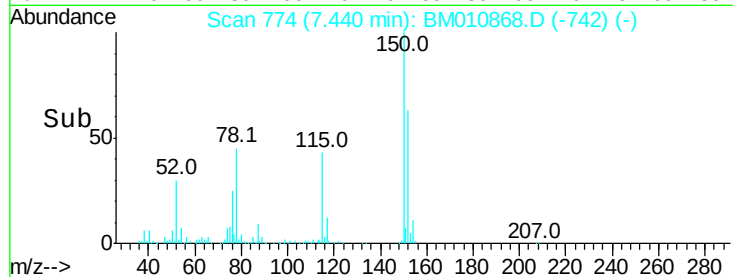
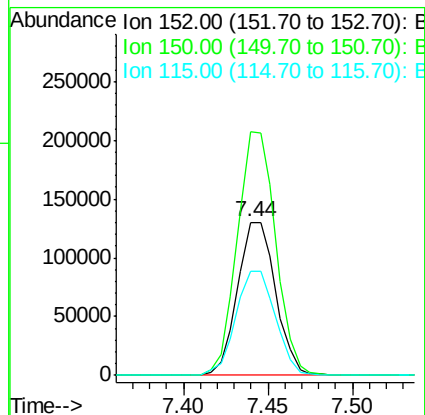
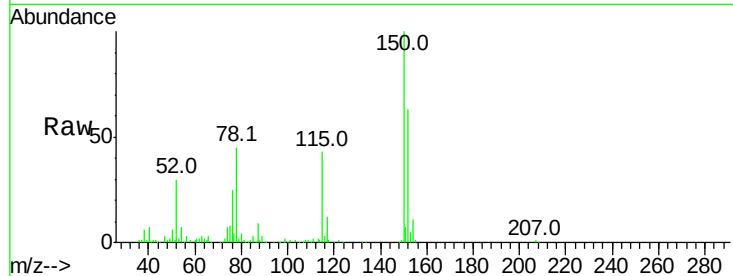


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM010868.D  
Acq: 18 Jul 2017 11:19

Instrument :  
BNA\_M  
ClientSampleId :  
HDD-PILWC1

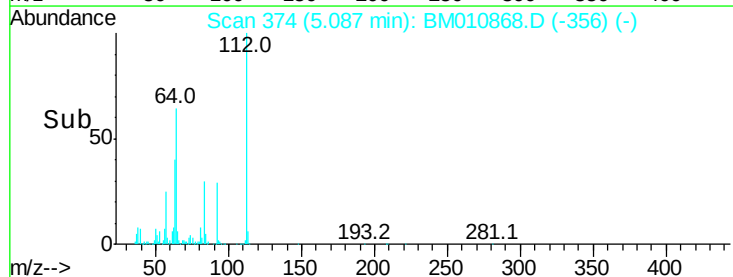
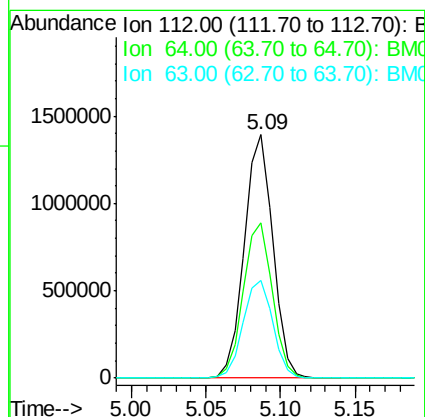
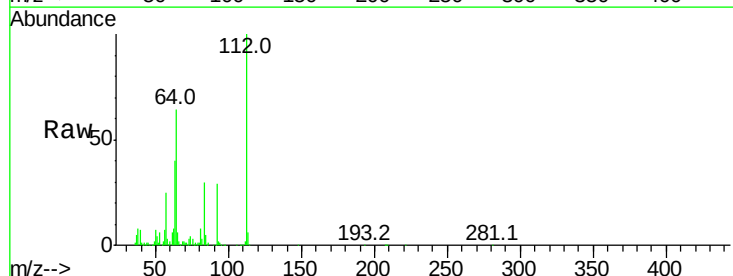
Tot Ion:152 Resp: 205141  
Ion Ratio Lower Upper  
152 100  
150 159.4 119.5 179.3  
115 68.4 43.0 64.4#

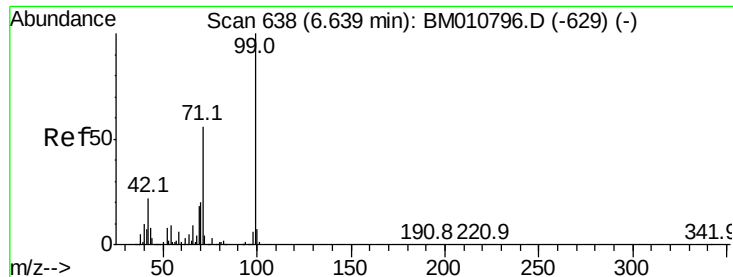


#5

2-Fluorophenol  
Concen: 149.423 ng  
RT: 5.09 min Scan# 374  
Delta R.T. 0.01 min  
Lab File: BM010868.D  
Acq: 18 Jul 2017 11:19

Tgt Ion:112 Resp: 1850460  
Ion Ratio Lower Upper  
112 100  
64 64.0 38.6 57.8#  
63 40.1 19.3 28.9#





#7

Phenol-d6

Concen: 131.683 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010868.D

Acq: 18 Jul 2017 11:19

Instrument :

BNA\_M

ClientSampleId :

HDD-PILWC1

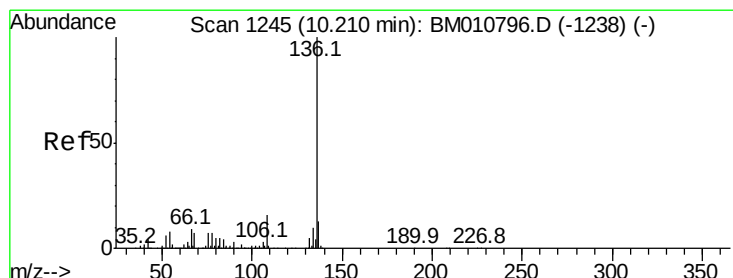
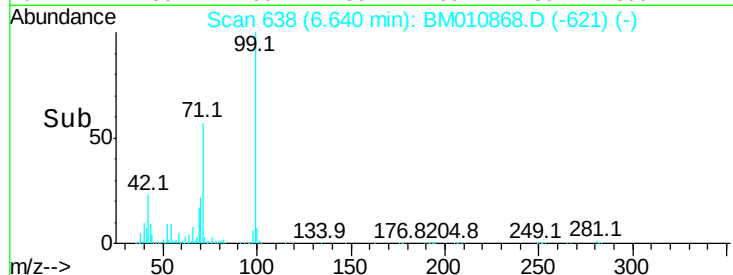
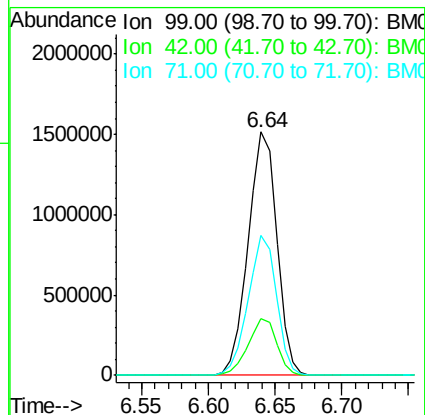
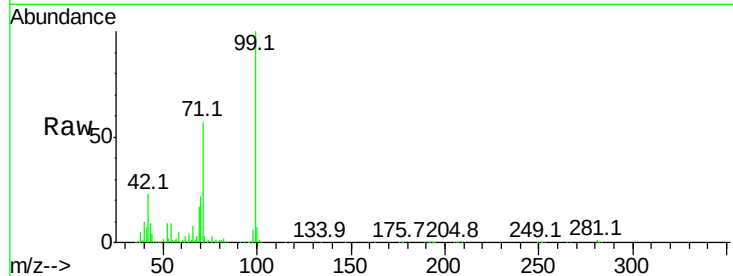
Tot Ion: 99 Resp: 2248168

Ion Ratio Lower Upper

99 100

42 23.2 11.0 16.4#

71 57.5 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BM010868.D

Acq: 18 Jul 2017 11:19

Tgt Ion: 136 Resp: 814245

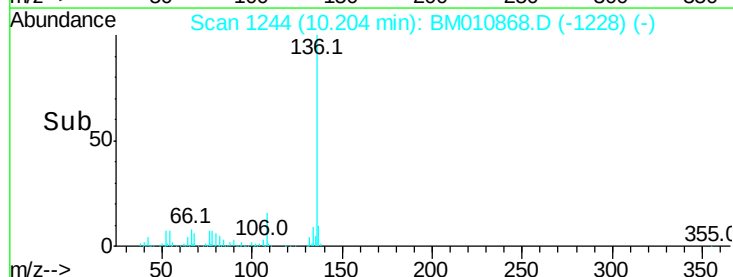
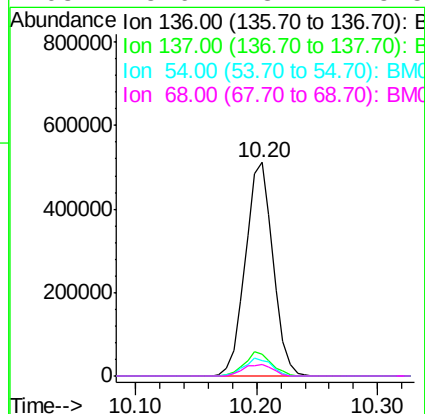
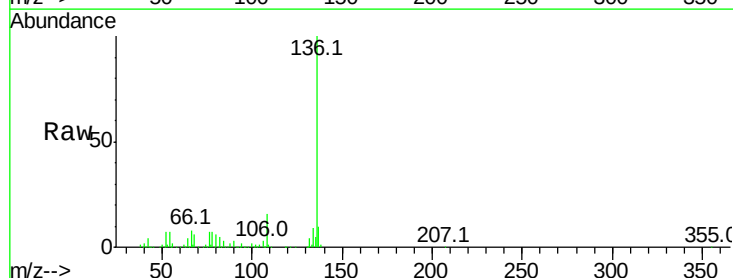
Ion Ratio Lower Upper

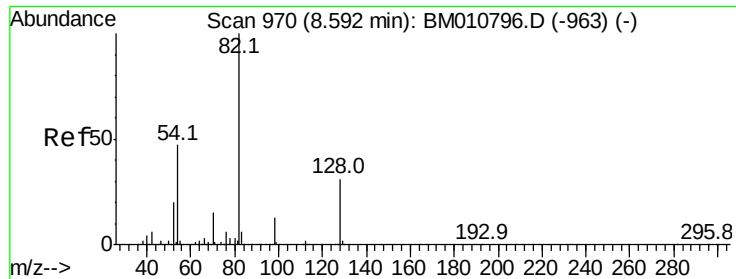
136 100

137 10.3 8.7 13.1

54 7.5 4.6 6.8#

68 5.6 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 98.548 ng

RT: 8.59 min Scan# 970

Delta R.T. 0.00 min

Lab File: BM010868.D

Acq: 18 Jul 2017 11:19

Instrument :

BNA\_M

ClientSampleId :

HDD-PILWC1

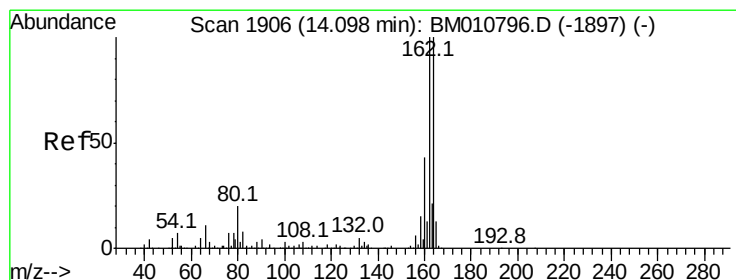
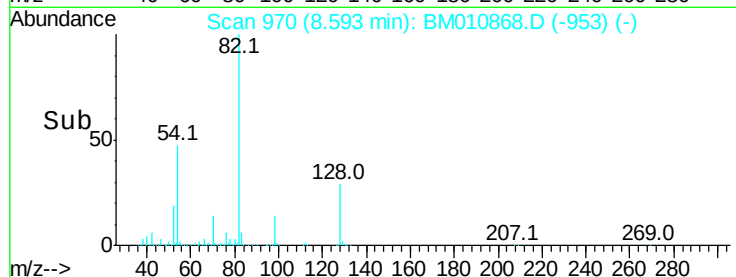
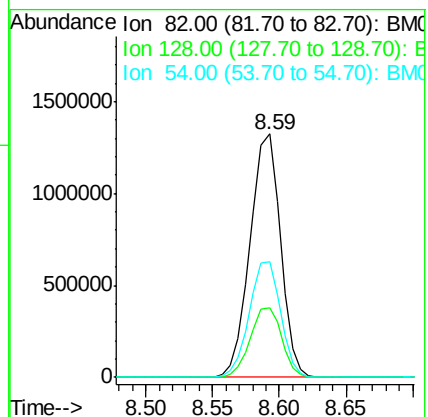
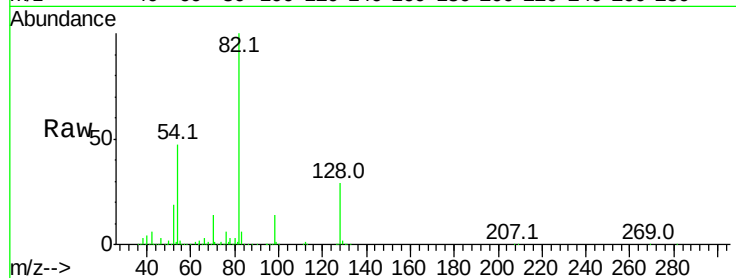
Tot Ion: 82 Resp: 2087603

Ion Ratio Lower Upper

82 100

128 28.5 32.8 49.2#

54 47.5 40.6 60.8



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.09 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BM010868.D

Acq: 18 Jul 2017 11:19

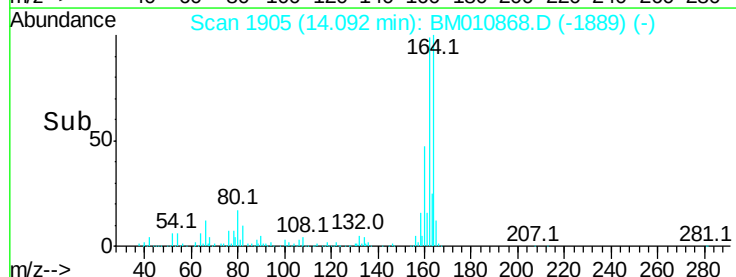
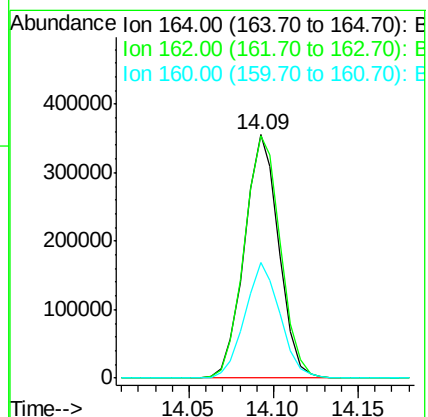
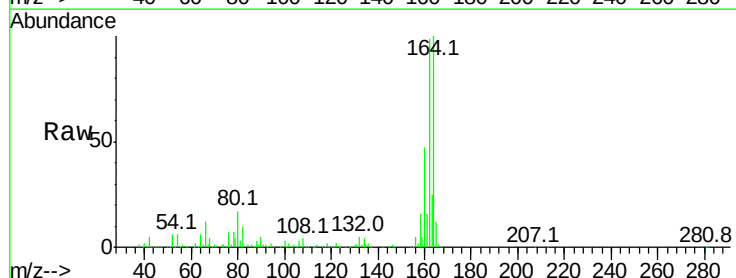
Tgt Ion: 164 Resp: 503754

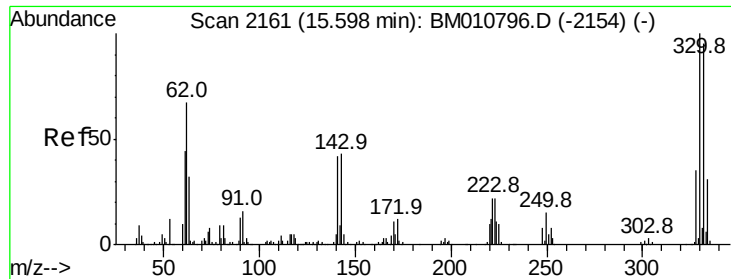
Ion Ratio Lower Upper

164 100

162 99.5 82.4 123.6

160 47.4 35.8 53.6

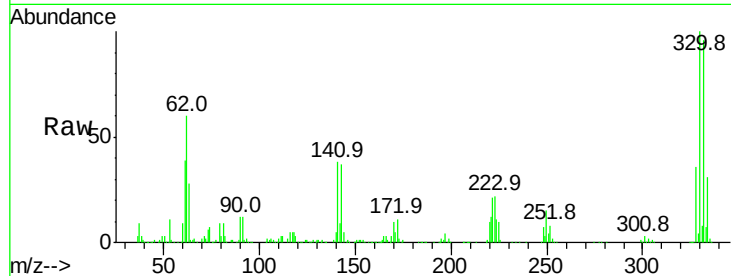




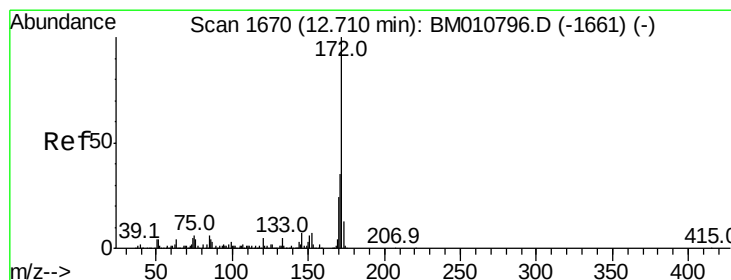
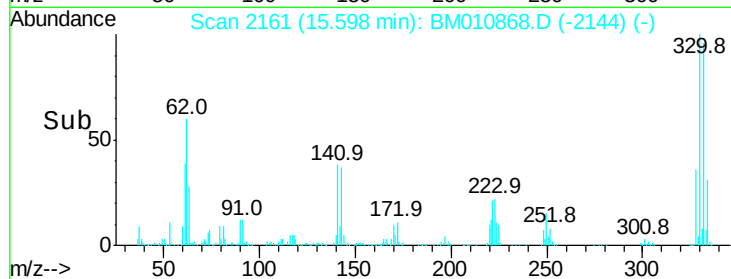
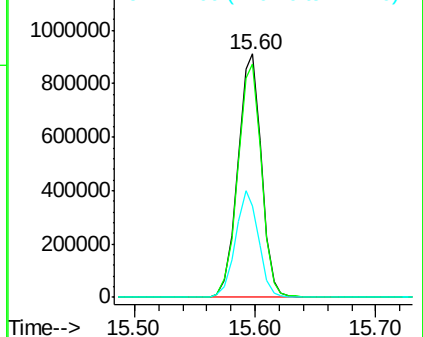
#41  
 2,4,6-Tribromophenol  
 Concen: 160.944 ng  
 RT: 15.60 min Scan# 2161  
 Delta R.T. 0.00 min  
 Lab File: BM010868.D  
 Acq: 18 Jul 2017 11:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 HDD-PILWC1

Tot Ion:330 Resp: 1238998  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 0.0 0.0#  
 141 42.8 0.0 0.0#

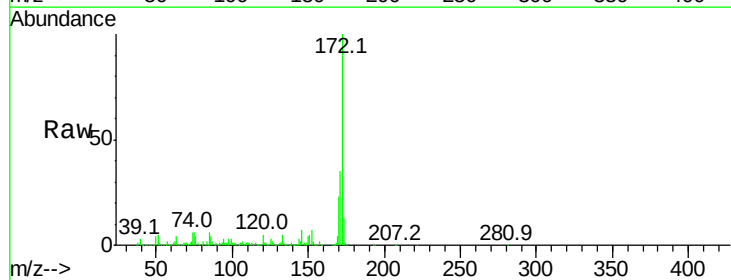


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

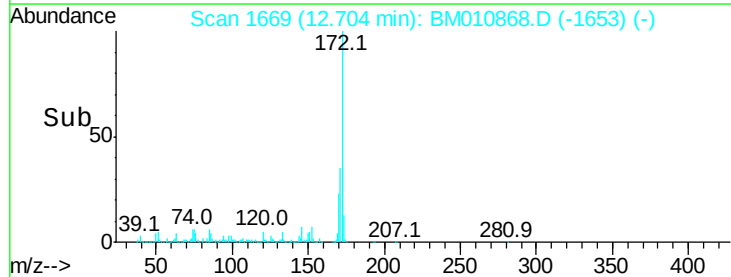
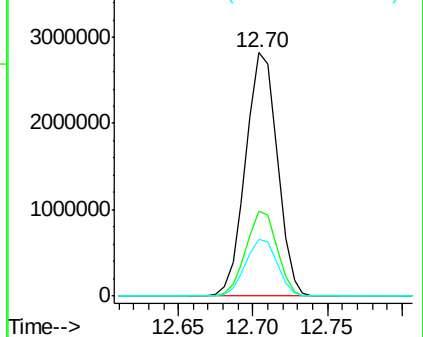


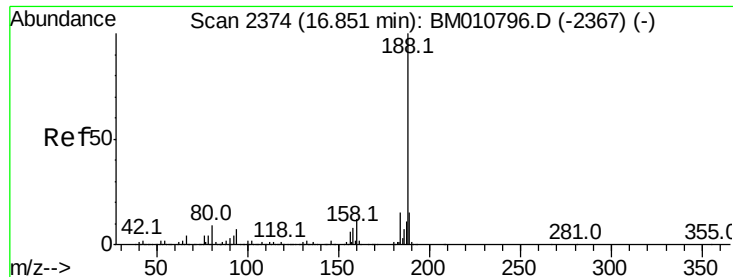
#44  
 2-Fluorobiphenyl  
 Concen: 102.444 ng  
 RT: 12.70 min Scan# 1669  
 Delta R.T. -0.01 min  
 Lab File: BM010868.D  
 Acq: 18 Jul 2017 11:19

Tgt Ion:172 Resp: 4148376  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 28.5 42.7  
 170 23.4 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

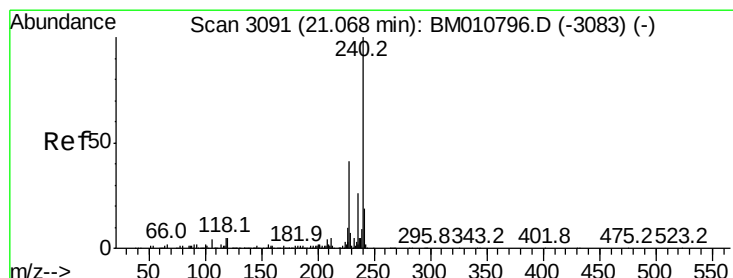
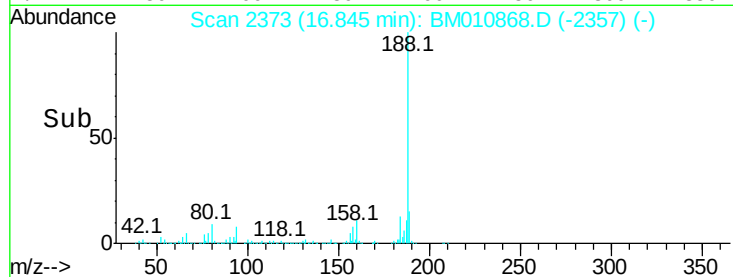
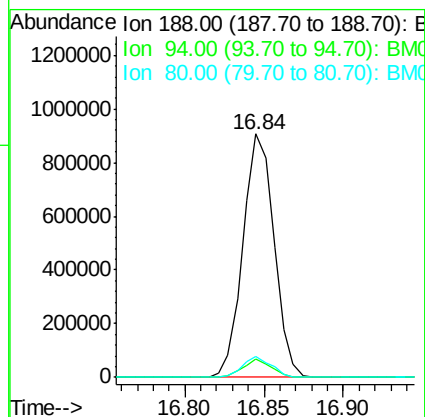
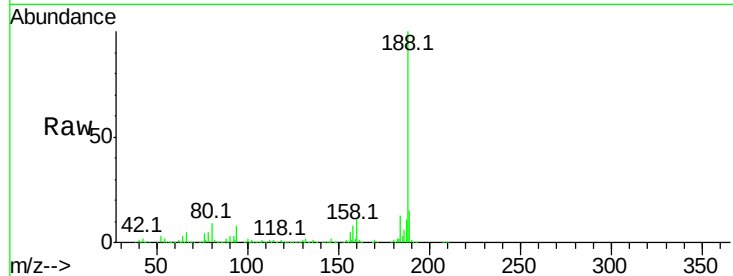




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.84 min Scan# 2373  
Delta R.T. -0.01 min  
Lab File: BM010868.D  
Acq: 18 Jul 2017 11:19

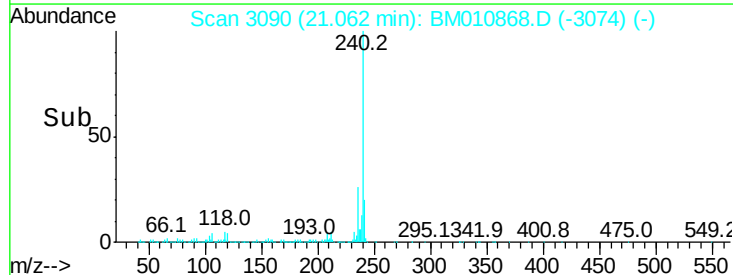
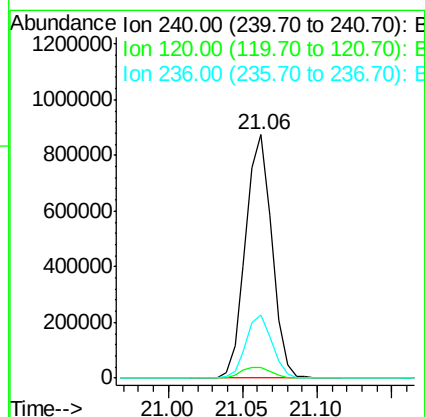
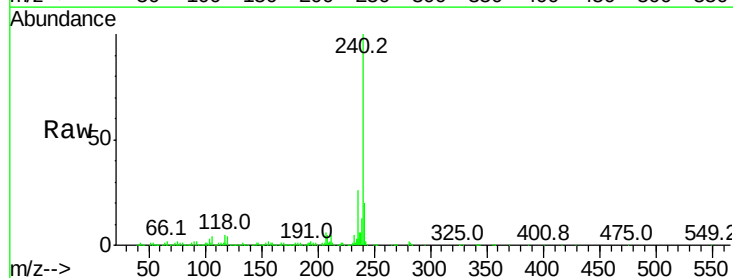
Instrument :  
BNA\_M  
ClientSampleId :  
HDD-PILWC1

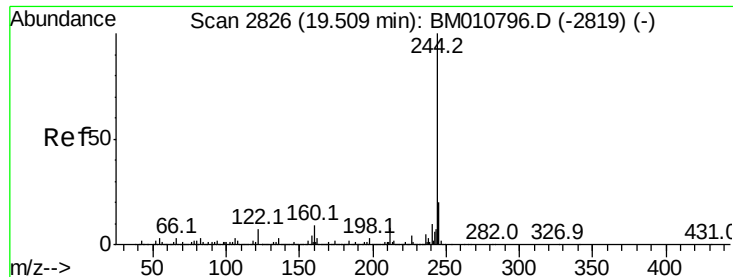
Tot Ion:188 Resp: 1234371  
Ion Ratio Lower Upper  
188 100  
94 7.6 8.7 13.1#  
80 8.8 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.06 min Scan# 3090  
Delta R.T. -0.01 min  
Lab File: BM010868.D  
Acq: 18 Jul 2017 11:19

Tgt Ion:240 Resp: 1072814  
Ion Ratio Lower Upper  
240 100  
120 4.2 8.2 12.2#  
236 25.7 20.0 30.0





#78

Terphenyl-d14

Concen: 102.810 ng

RT: 19.51 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BM010868.D

Acq: 18 Jul 2017 11:19

Instrument :

BNA\_M

ClientSampleId :

HDD-PILWC1

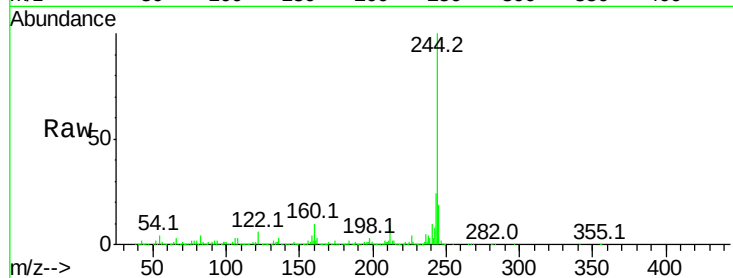
Tot Ion:244 Resp: 5702713

Ion Ratio Lower Upper

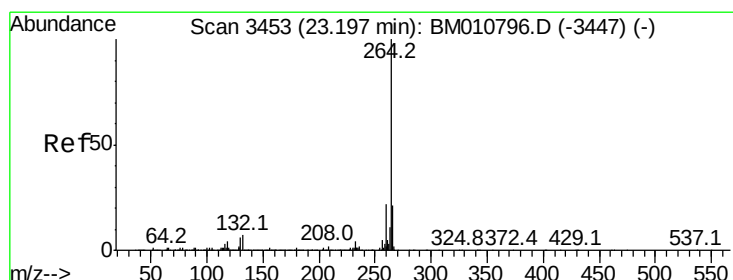
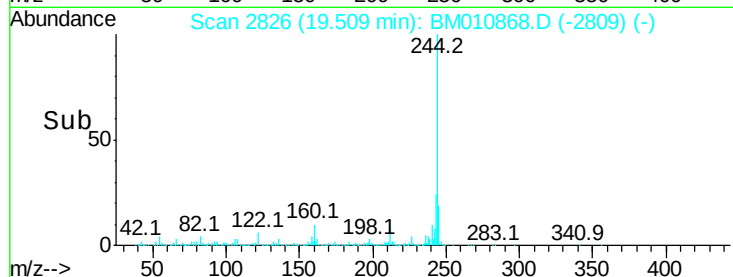
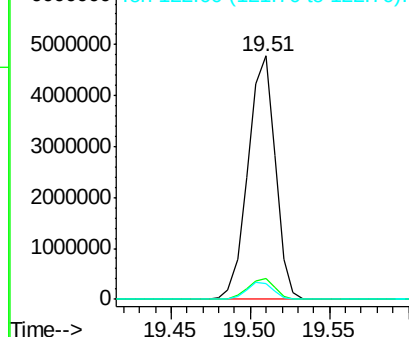
244 100

212 8.6 4.9 7.3#

122 6.3 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: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM010868.D

Acq: 18 Jul 2017 11:19

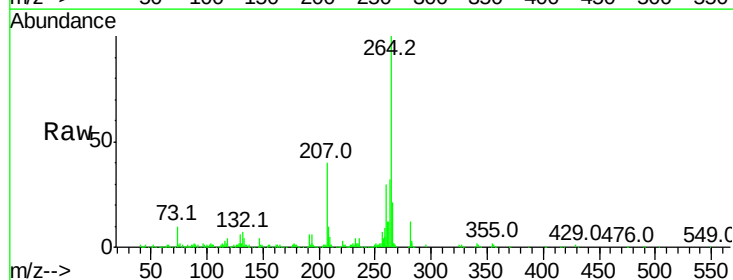
Tgt Ion:264 Resp: 522335

Ion Ratio Lower Upper

264 100

260 29.6 18.6 27.8#

265 20.6 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

