

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072717\  
 Data File : BM011002.D  
 Acq On : 27 Jul 2017 10:01  
 Operator : SJ/JU  
 Sample : I4424-03  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-06-072417-A

Quant Time: Jul 28 02:37:17 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  | 227363   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.15 | 136  | 893120   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.04 | 164  | 266746   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.80 | 188  | 1138691  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.02 | 240  | 407711   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.14 | 264  | 7819     | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 2063298  | 153.41 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 1787433  | 93.53  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.54  | 82   | 2320325  | 97.51  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.55 | 330  | 1309858  | 306.37 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.66 | 172  | 4447243  | 209.09 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.47 | 244  | 5096954  | 247.64 | ng    | 0.00     |

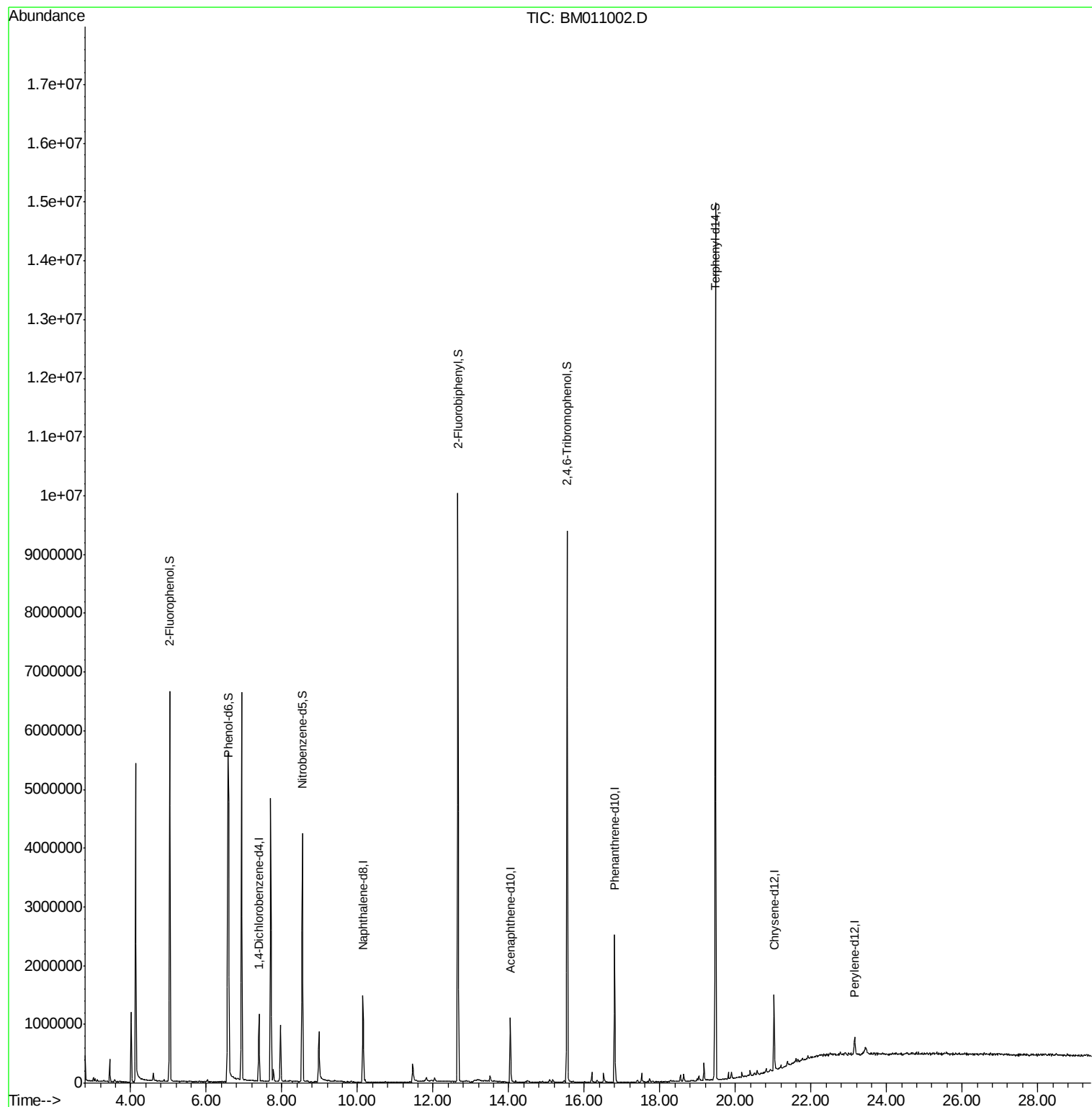
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

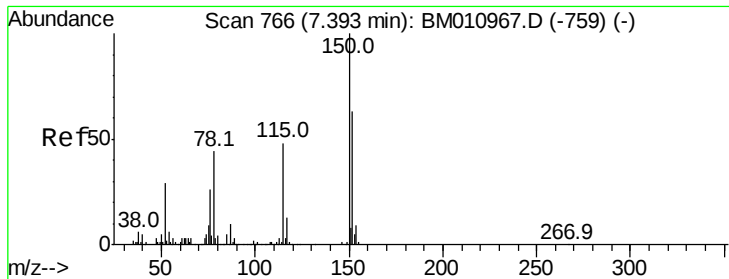
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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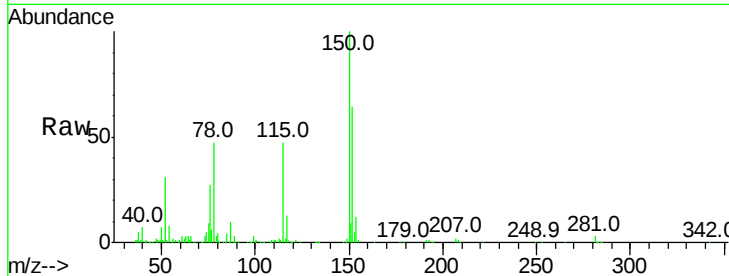


#1

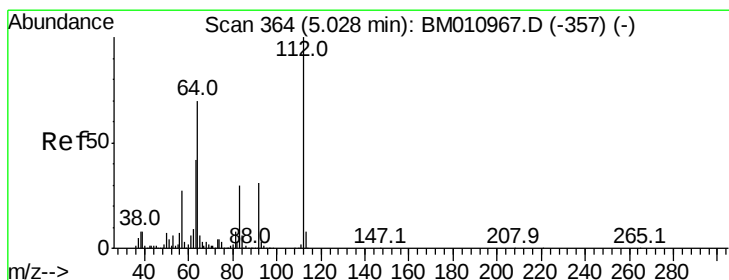
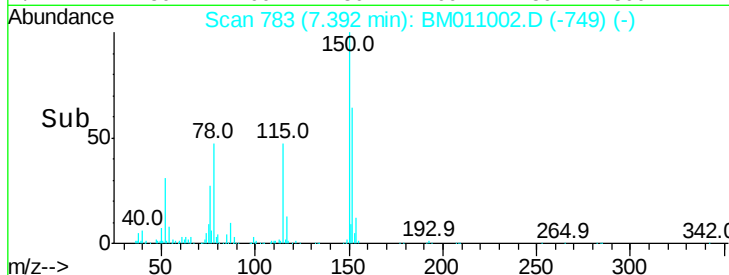
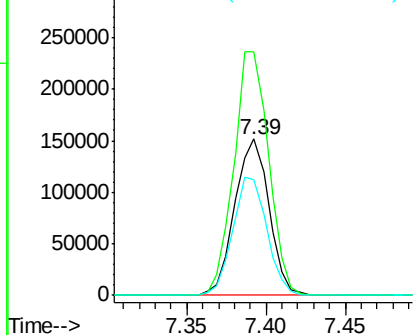
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BM011002.D  
Acq: 27 Jul 2017 10:01

Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-072417-A

Tot Ion:152 Resp: 227363  
Ion Ratio Lower Upper  
152 100  
150 155.9 119.5 179.3  
115 73.6 43.0 64.4#



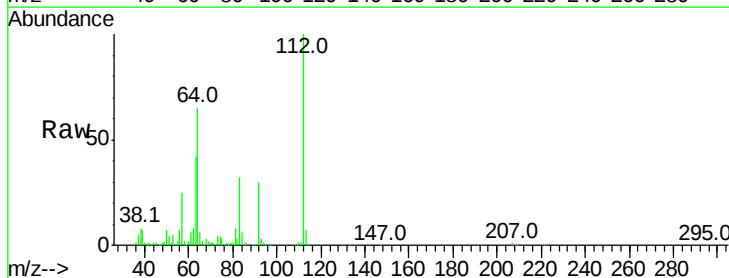
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



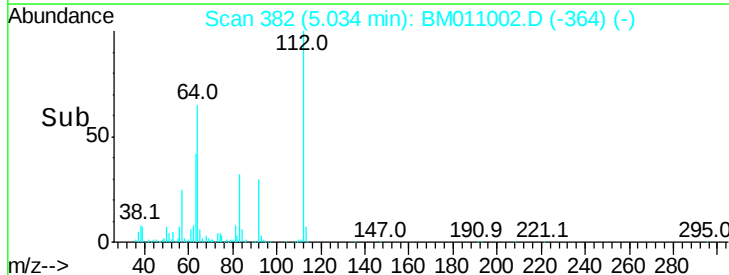
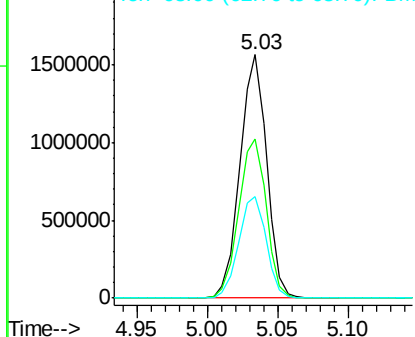
#5

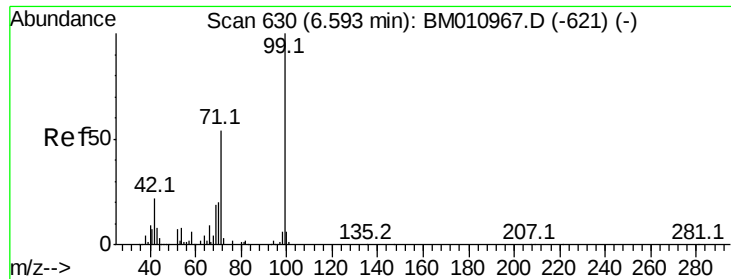
2-Fluorophenol  
Concen: 153.406 ng  
RT: 5.03 min Scan# 382  
Delta R.T. 0.01 min  
Lab File: BM011002.D  
Acq: 27 Jul 2017 10:01

Tgt Ion:112 Resp: 2063298  
Ion Ratio Lower Upper  
112 100  
64 65.4 38.6 57.8#  
63 41.5 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: 93.534 ng

RT: 6.59 min Scan# 647

Delta R.T. -0.00 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

Instrument :

BNA\_M

ClientSampleId :

AU-06-072417-A

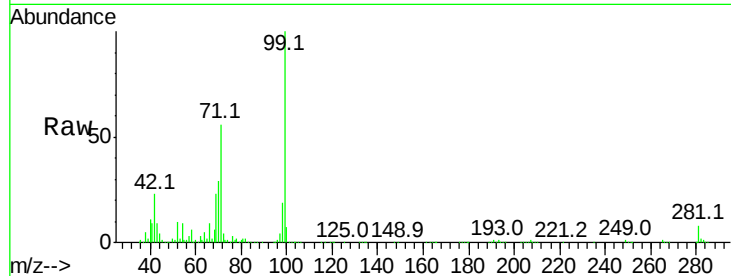
Tot Ion: 99 Resp: 1787433

Ion Ratio Lower Upper

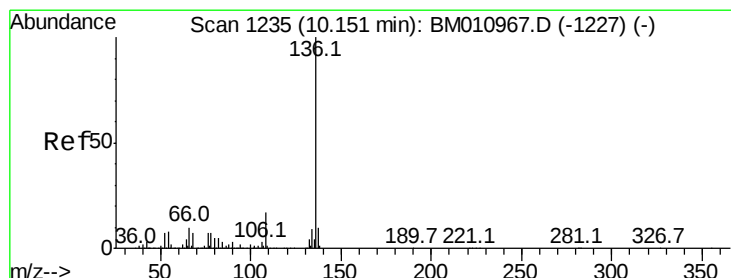
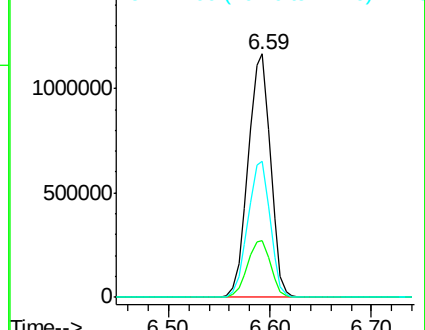
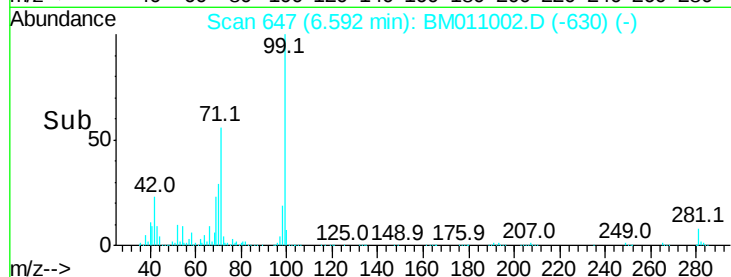
99 100

42 23.5 11.0 16.4#

71 56.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011002.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.15 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

Tgt Ion: 136 Resp: 893120

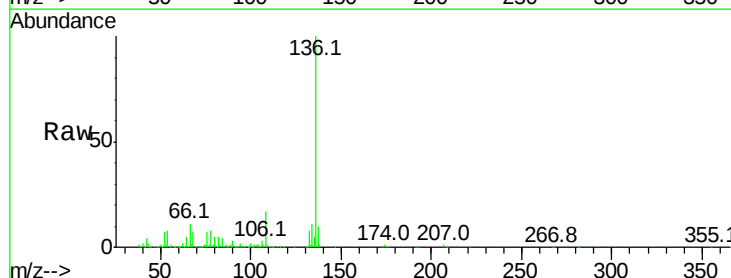
Ion Ratio Lower Upper

136 100

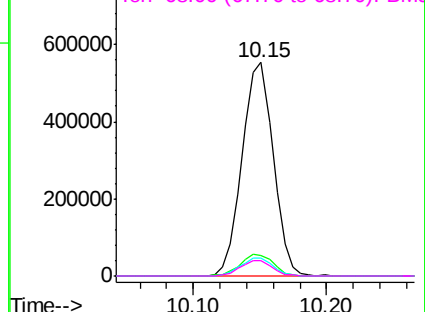
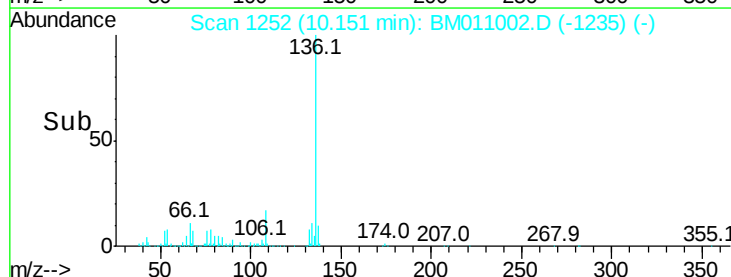
137 9.7 8.7 13.1

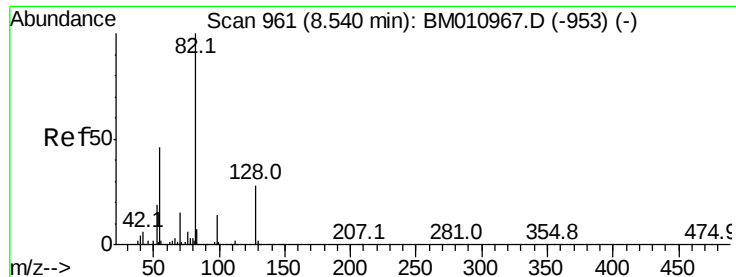
54 8.3 4.6 6.8#

68 6.9 3.7 5.5#



Abundance Ion 136.00 (135.70 to 136.70): BM011002.D (-1235) (-)





#23

Nitrobenzene-d5

Concen: 97.507 ng

RT: 8.54 min Scan# 978

Delta R.T. -0.00 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

Instrument :

BNA\_M

ClientSampleId :

AU-06-072417-A

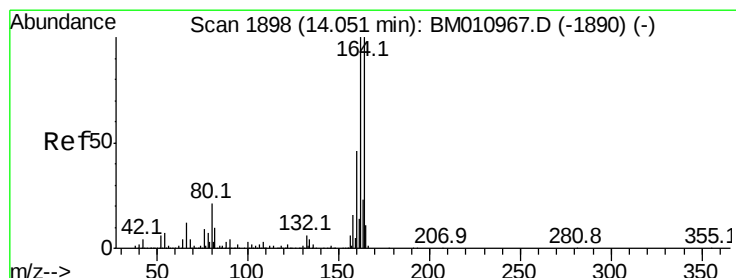
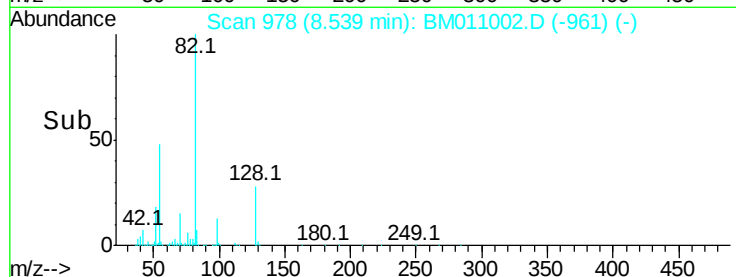
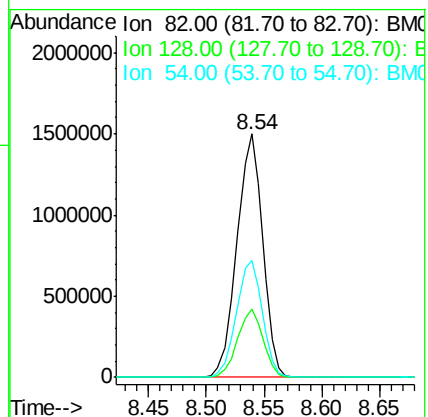
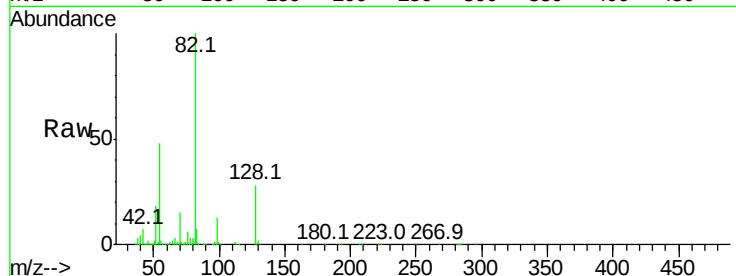
Tot Ion: 82 Resp: 2320325

Ion Ratio Lower Upper

82 100

128 28.1 32.8 49.2#

54 48.0 40.6 60.8



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

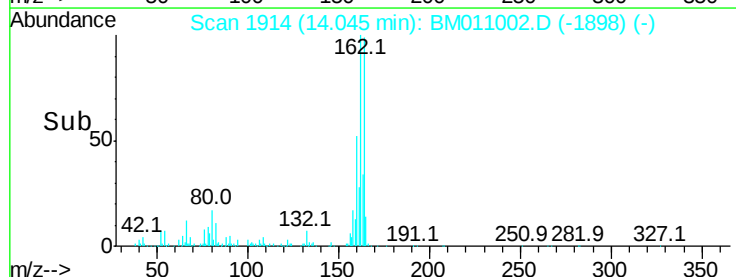
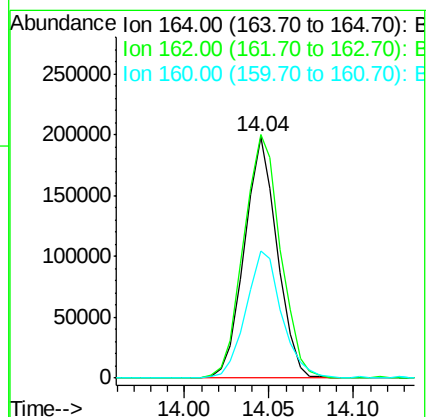
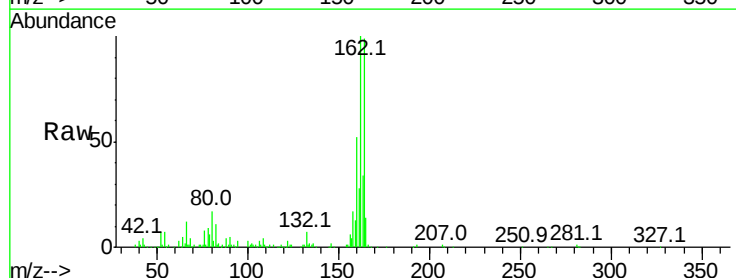
Tgt Ion:164 Resp: 266746

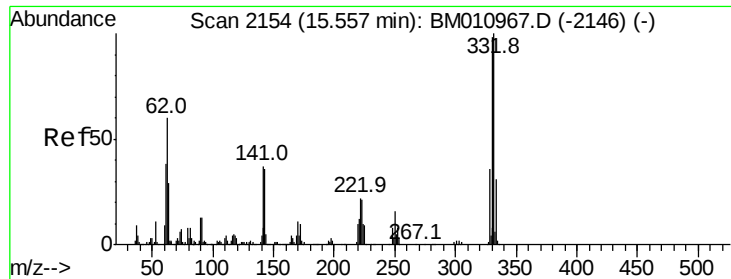
Ion Ratio Lower Upper

164 100

162 100.9 82.4 123.6

160 52.8 35.8 53.6

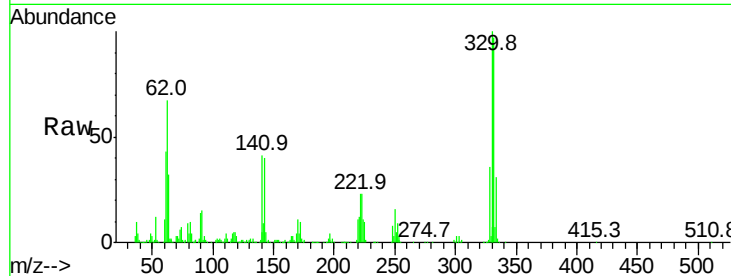




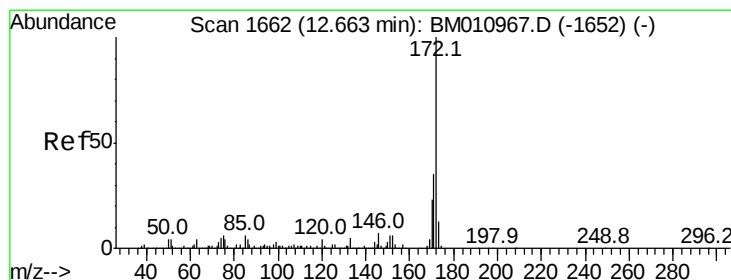
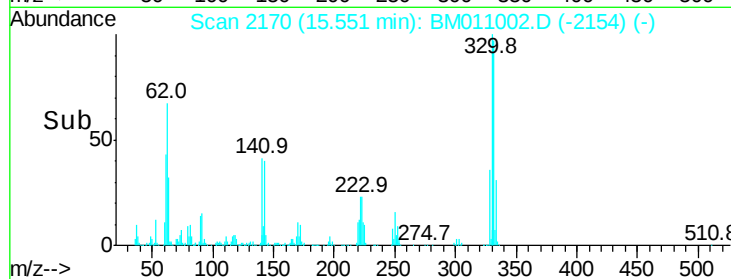
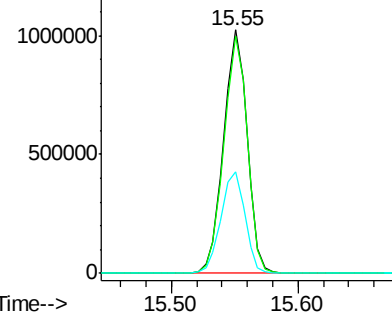
#41  
 2,4,6-Tribromophenol  
 Concen: 306.372 ng  
 RT: 15.55 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM011002.D  
 Acq: 27 Jul 2017 10:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-06-072417-A

Tot Ion:330 Resp: 1309858  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 0.0 0.0#  
 141 42.4 0.0 0.0#

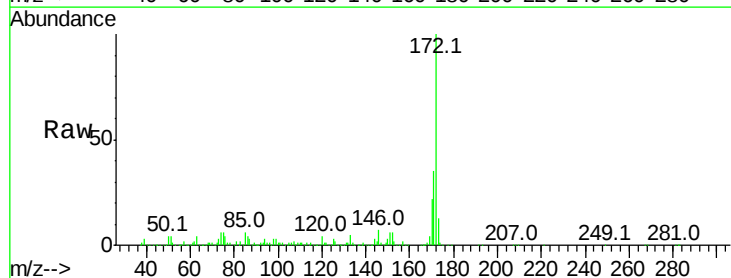


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

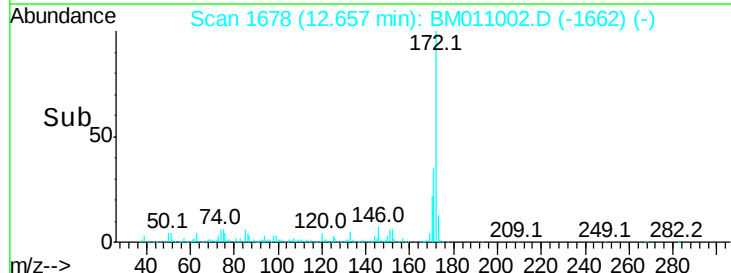
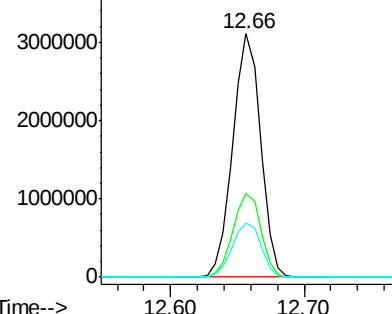


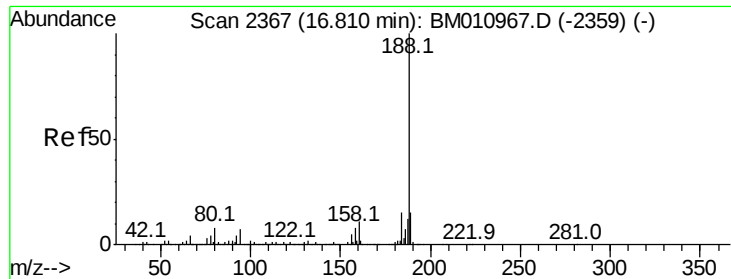
#44  
 2-Fluorobiphenyl  
 Concen: 209.092 ng  
 RT: 12.66 min Scan# 1678  
 Delta R.T. -0.01 min  
 Lab File: BM011002.D  
 Acq: 27 Jul 2017 10:01

Tgt Ion:172 Resp: 4447243  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 28.5 42.7  
 170 22.4 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: 16.80 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

Instrument :

BNA\_M

ClientSampleId :

AU-06-072417-A

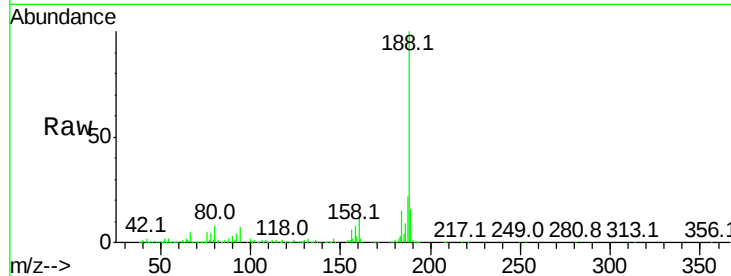
Tot Ion:188 Resp: 1138691

Ion Ratio Lower Upper

188 100

94 7.0 8.7 13.1#

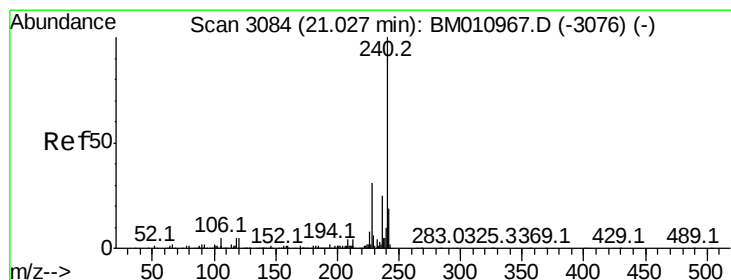
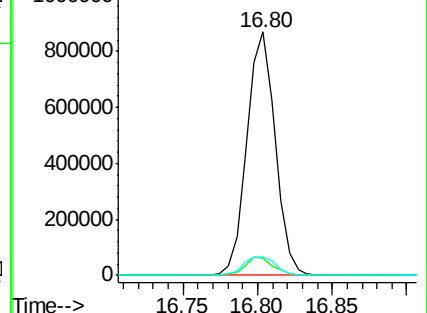
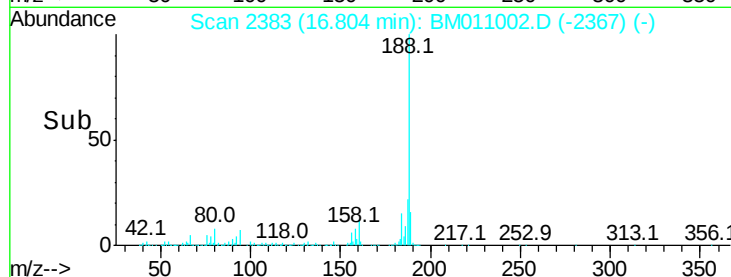
80 7.8 9.3 13.9#



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: 21.02 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

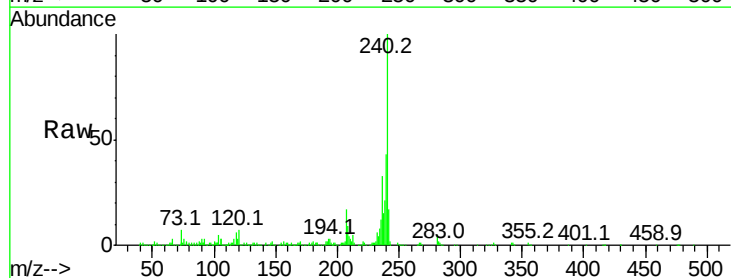
Tgt Ion:240 Resp: 407711

Ion Ratio Lower Upper

240 100

120 6.6 8.2 12.2#

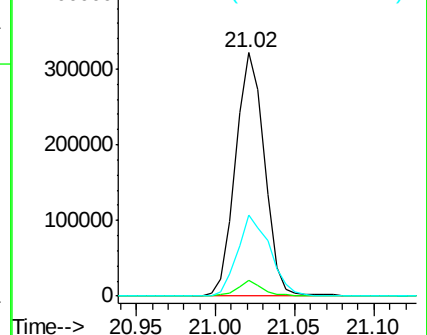
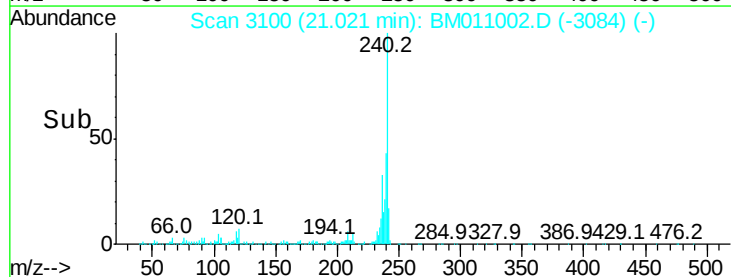
236 33.2 20.0 30.0#

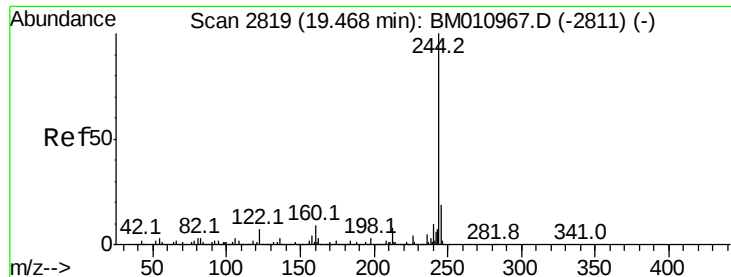


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 247.636 ng

RT: 19.47 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

Instrument :

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ClientSampleId :

AU-06-072417-A

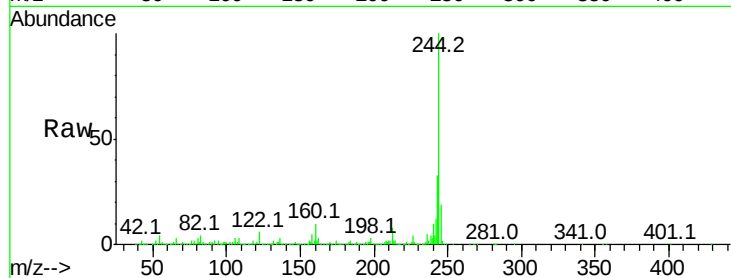
Tot Ion:244 Resp: 5096954

Ion Ratio Lower Upper

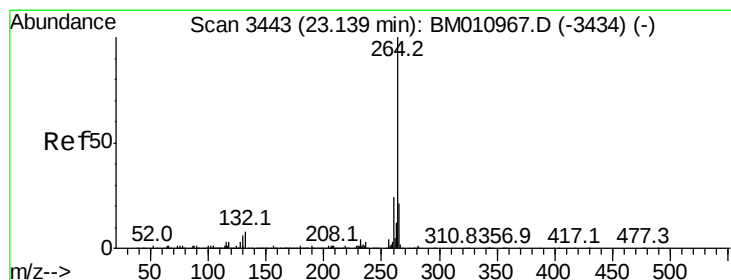
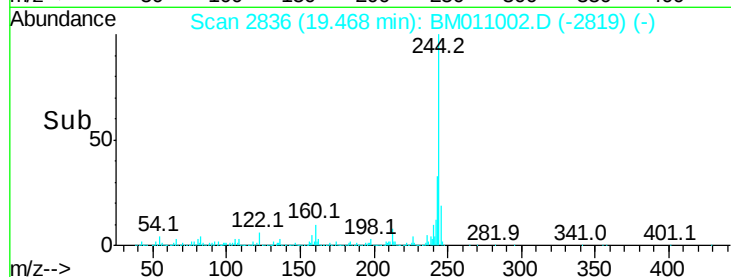
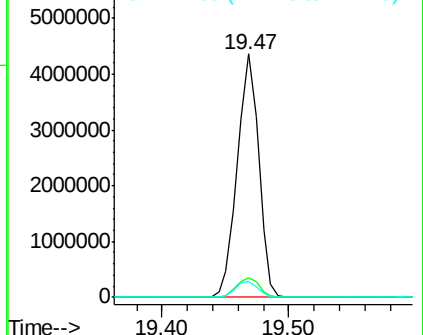
244 100

212 8.2 4.9 7.3#

122 6.5 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E  
6000000  
Ion 212.00 (211.70 to 212.70): E  
5000000  
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.14 min Scan# 3460

Delta R.T. -0.00 min

Lab File: BM011002.D

Acq: 27 Jul 2017 10:01

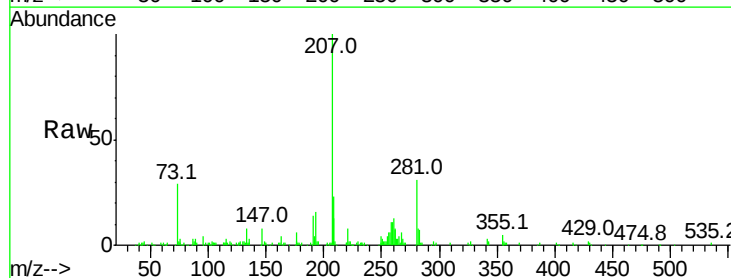
Tgt Ion:264 Resp: 7819

Ion Ratio Lower Upper

264 100

260 397.3 18.6 27.8#

265 132.2 17.3 25.9#



Abundance Ion 264.00 (263.70 to 264.70): E  
30000  
Ion 260.00 (259.70 to 260.70): E  
25000  
Ion 265.00 (264.70 to 265.70): E

