

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073117\  
 Data File : BM011065.D  
 Acq On : 31 Jul 2017 13:30  
 Operator : SJ/JU  
 Sample : I4472-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-04-072617

Quant Time: Jul 31 14:36:19 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  | 205759   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.14 | 136  | 792977   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.04 | 164  | 511219   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 16.80 | 188  | 1213558  | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.02 | 240  | 1059551  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.13 | 264  | 866354   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 1557089  | 127.92 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 1968910  | 113.85 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 2023920  | 95.79  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.54 | 330  | 1068625  | 130.42 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 12.65 | 172  | 3681316  | 90.31  | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.46 | 244  | 4980788  | 93.12  | ng    | 0.00     |

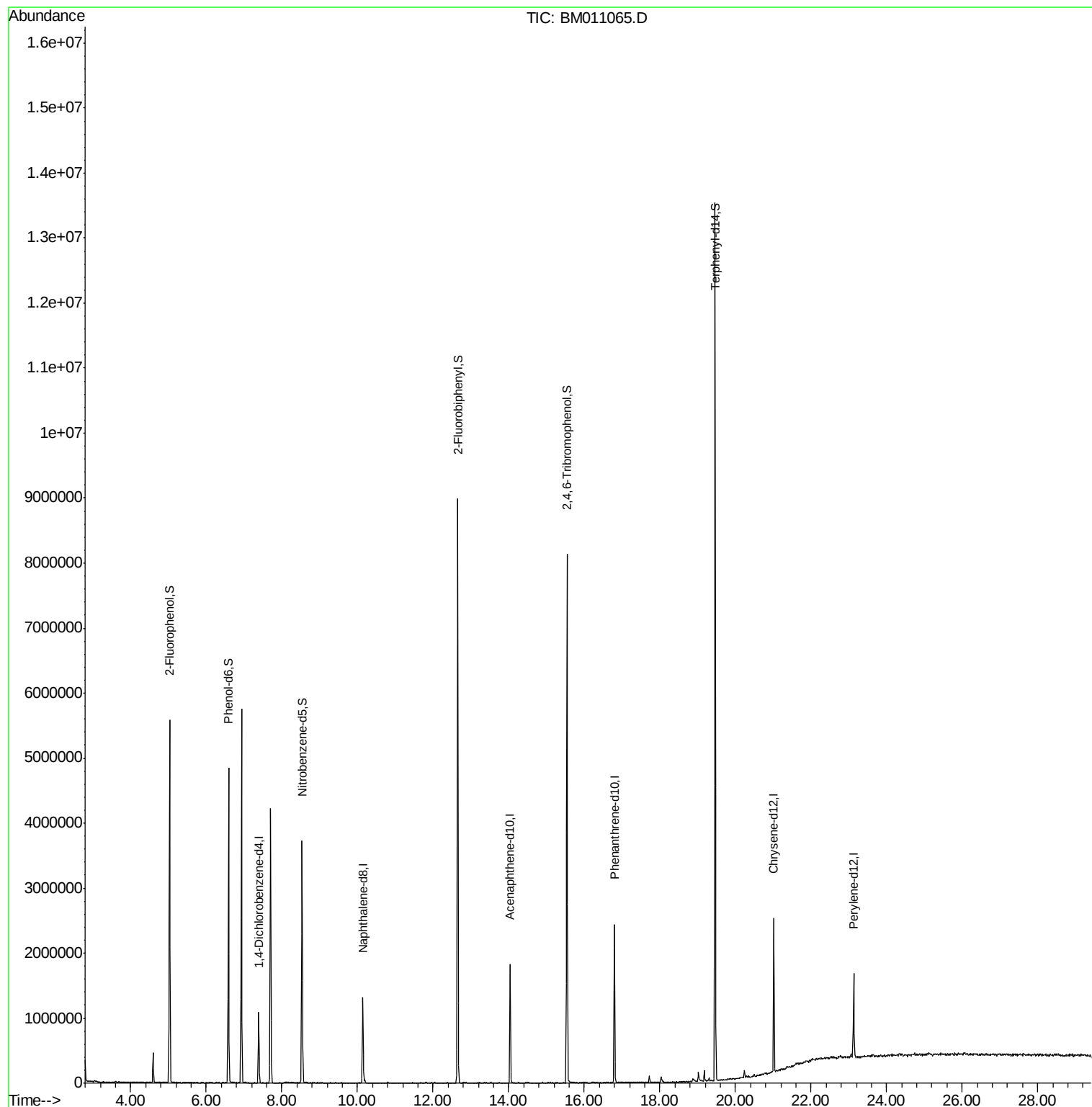
Target Compounds Qvalue

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

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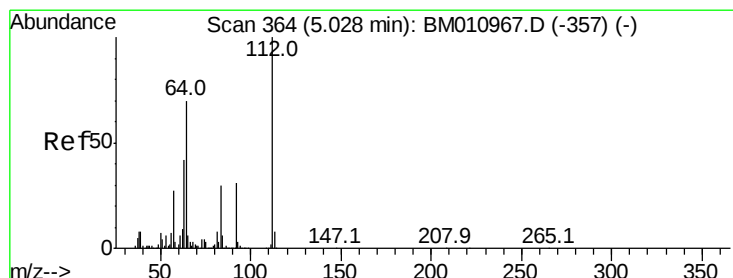
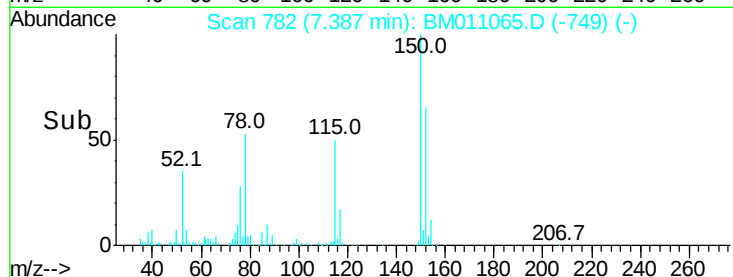
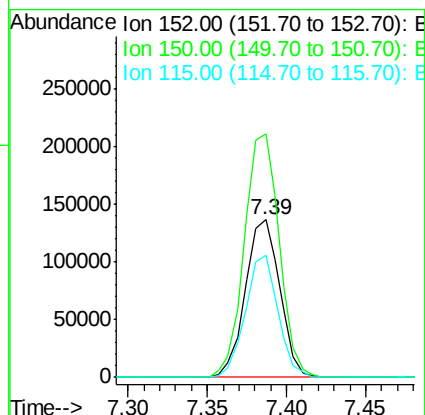
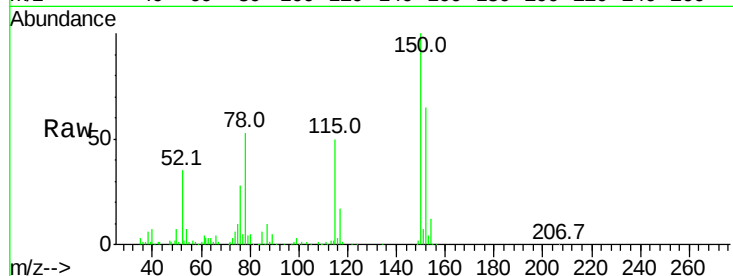


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011065.D  
Acq: 31 Jul 2017 13:30

Instrument :  
BNA\_M  
ClientSampled :  
TR-04-072617

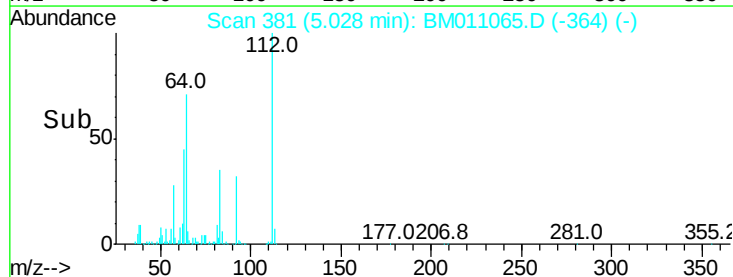
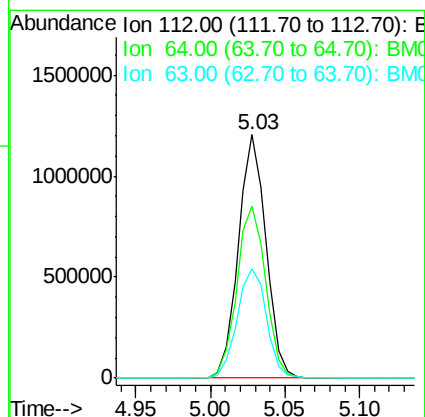
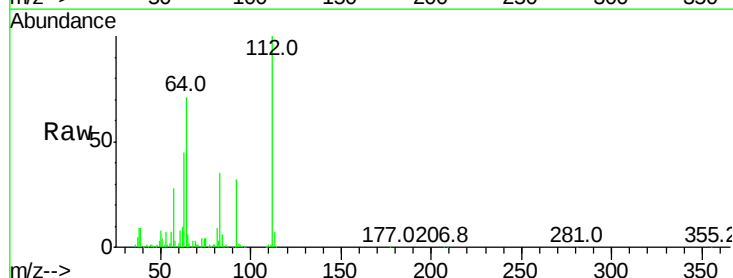
Tot Ion:152 Resp: 205759  
Ion Ratio Lower Upper  
152 100  
150 154.7 119.5 179.3  
115 77.5 43.0 64.4#

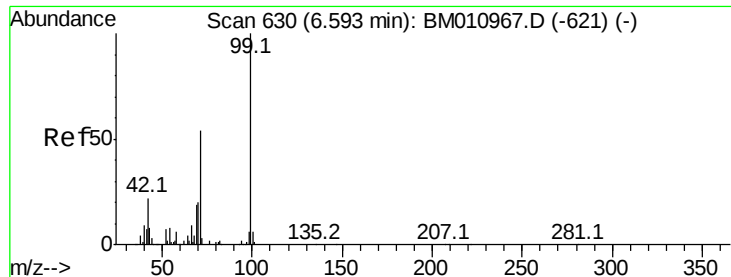


#5

2-Fluorophenol  
Concen: 127.925 ng  
RT: 5.03 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: BM011065.D  
Acq: 31 Jul 2017 13:30

Tgt Ion:112 Resp: 1557089  
Ion Ratio Lower Upper  
112 100  
64 70.7 38.6 57.8#  
63 45.1 19.3 28.9#





#7

Phenol-d6

Concen: 113.849 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011065.D

Acq: 31 Jul 2017 13:30

Instrument :

BNA\_M

ClientSampleId :

TR-04-072617

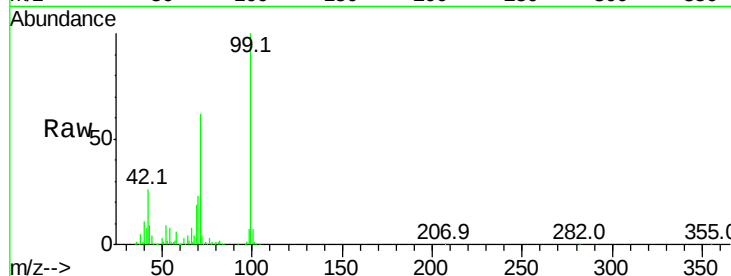
Tot Ion: 99 Resp: 1968910

Ion Ratio Lower Upper

99 100

42 25.6 11.0 16.4#

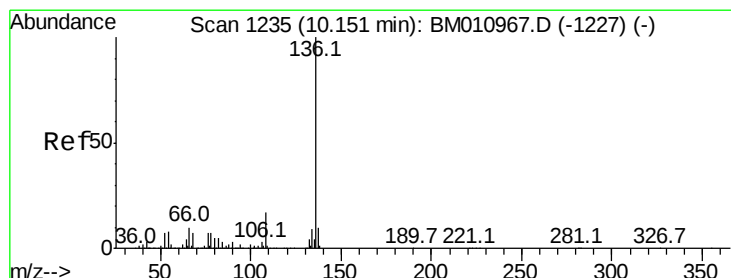
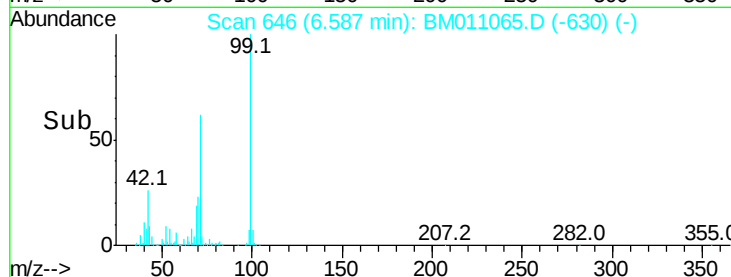
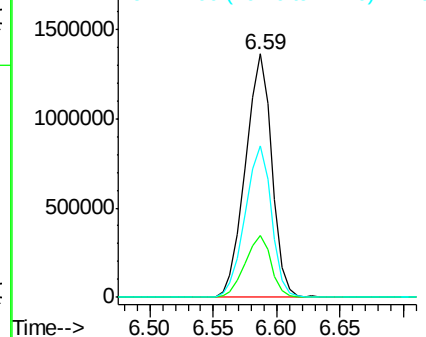
71 62.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM0110967.D (-621) (-)

Ion 42.00 (41.70 to 42.70): BM0110967.D (-621) (-)

Ion 71.00 (70.70 to 71.70): BM0110967.D (-621) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.14 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM011065.D

Acq: 31 Jul 2017 13:30

Tgt Ion: 136 Resp: 792977

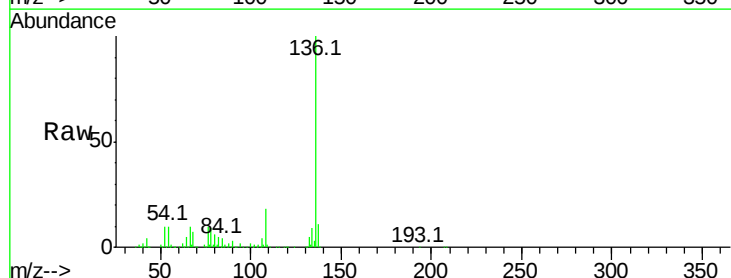
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.5 4.6 6.8#

68 7.2 3.7 5.5#

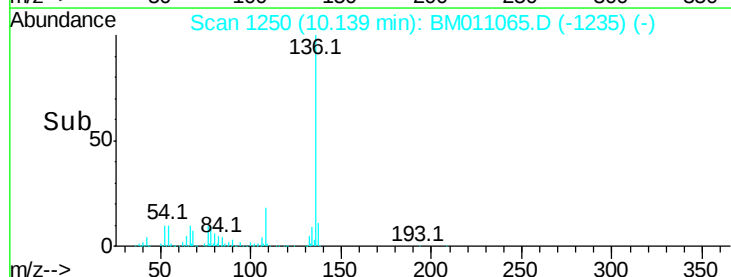
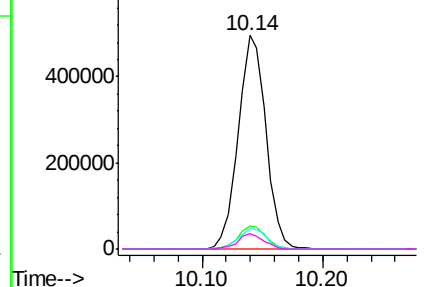


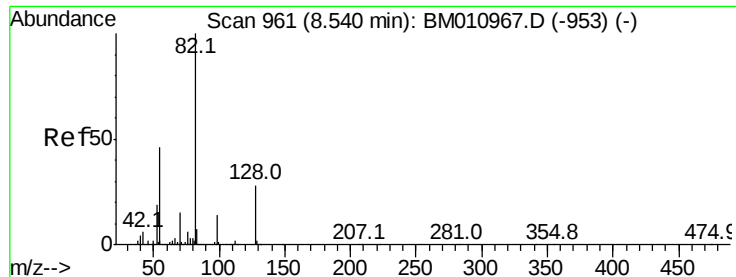
Abundance Ion 136.00 (135.70 to 136.70): BM0110967.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM0110967.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM0110967.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM0110967.D (-1227) (-)

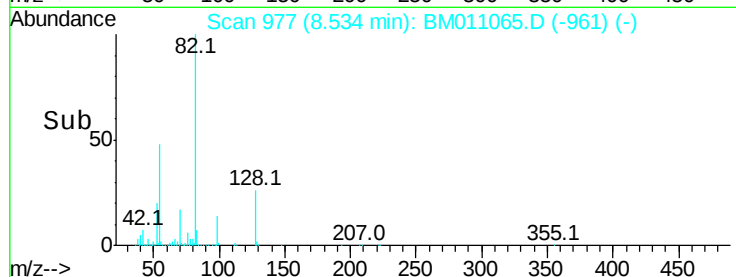
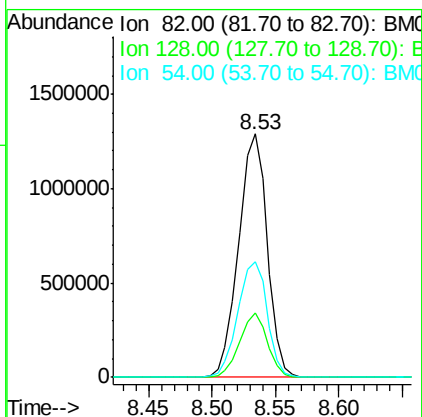
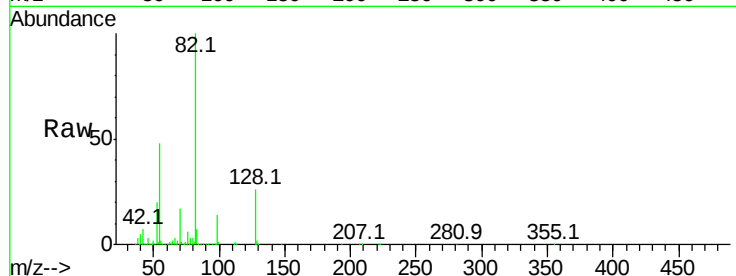




#23  
 Nitrobenzene-d5  
 Concen: 95.792 ng  
 RT: 8.53 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: BM011065.D  
 Acq: 31 Jul 2017 13:30

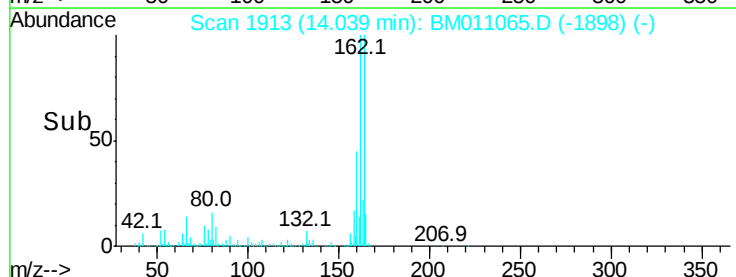
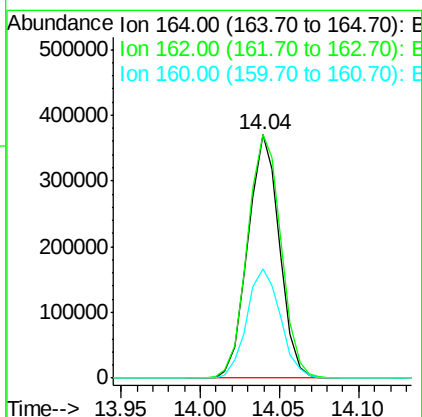
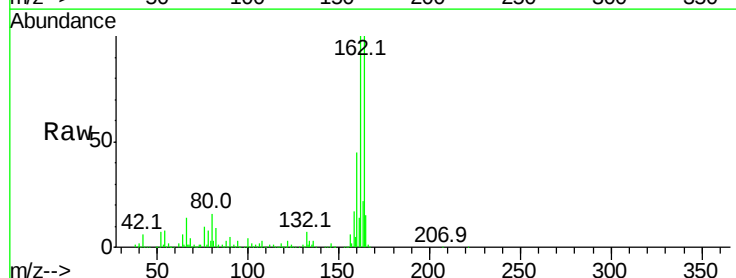
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-04-072617

Tot Ion: 82 Resp: 2023920  
 Ion Ratio Lower Upper  
 82 100  
 128 26.5 32.8 49.2#  
 54 47.7 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: BM011065.D  
 Acq: 31 Jul 2017 13:30

Tgt Ion:164 Resp: 511219  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 82.4 123.6  
 160 45.1 35.8 53.6

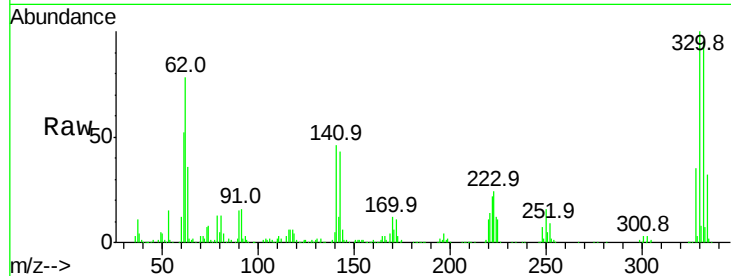




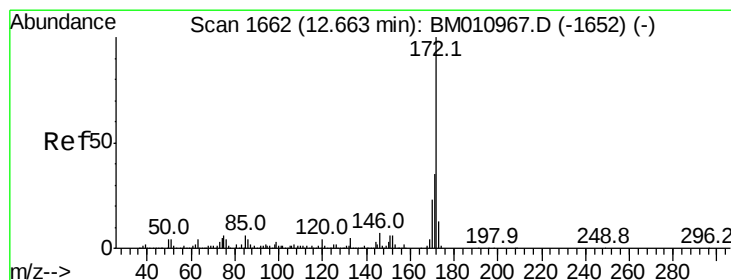
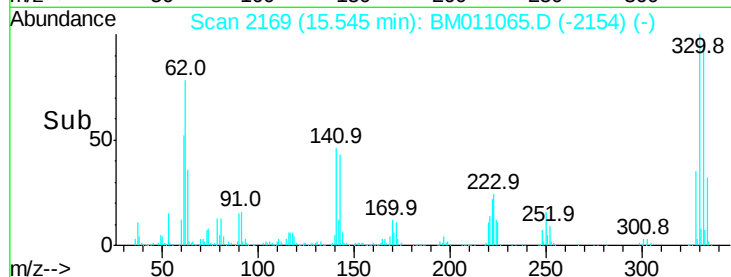
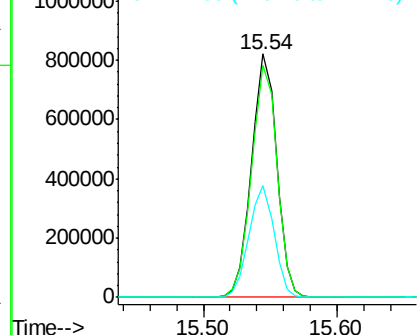
#41  
 2,4,6-Tribromophenol  
 Concen: 130.419 ng  
 RT: 15.54 min Scan# 2169  
 Delta R.T. -0.01 min  
 Lab File: BM011065.D  
 Acq: 31 Jul 2017 13:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-04-072617

Tot Ion:330 Resp: 1068625  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 0.0 0.0#  
 141 46.1 0.0 0.0#

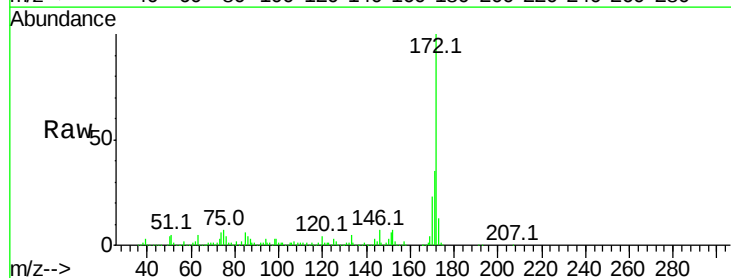


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

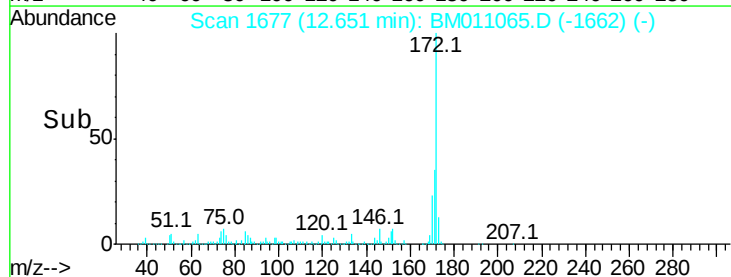
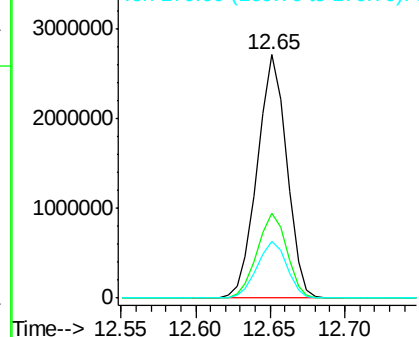


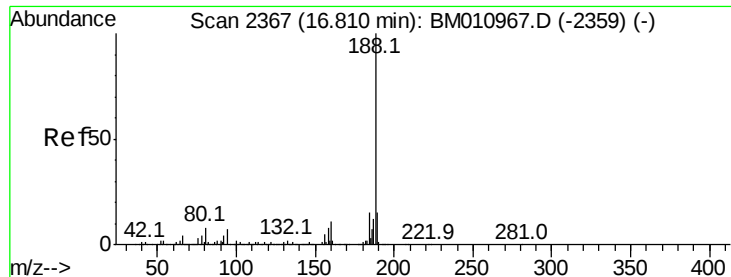
#44  
 2-Fluorobiphenyl  
 Concen: 90.311 ng  
 RT: 12.65 min Scan# 1677  
 Delta R.T. -0.01 min  
 Lab File: BM011065.D  
 Acq: 31 Jul 2017 13:30

Tgt Ion:172 Resp: 3681316  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.5 42.7  
 170 23.1 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: BM011065.D

Acq: 31 Jul 2017 13:30

Instrument :

BNA\_M

ClientSampleId :

TR-04-072617

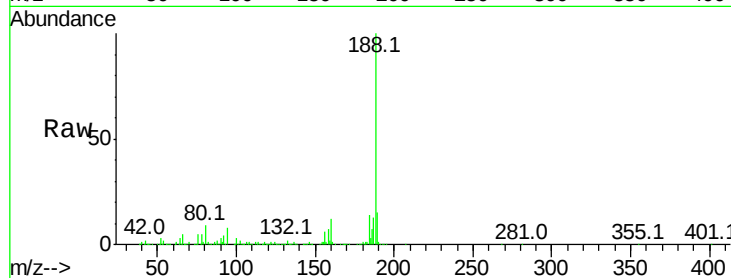
Tot Ion:188 Resp: 1213558

Ion Ratio Lower Upper

188 100

94 7.8 8.7 13.1#

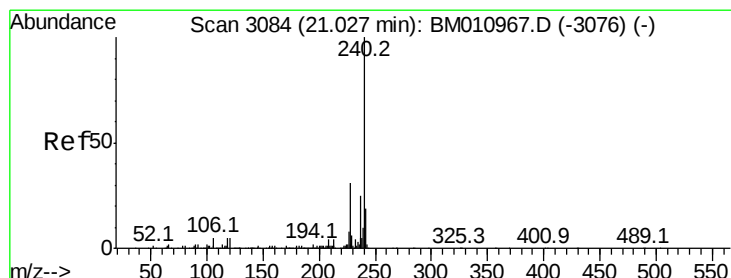
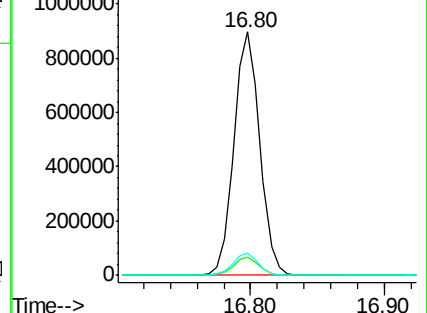
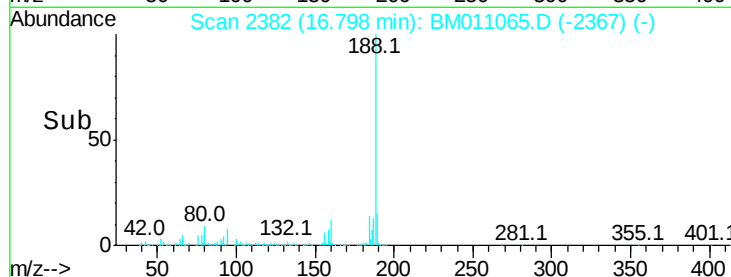
80 8.9 9.3 13.9#



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# 3099

Delta R.T. -0.01 min

Lab File: BM011065.D

Acq: 31 Jul 2017 13:30

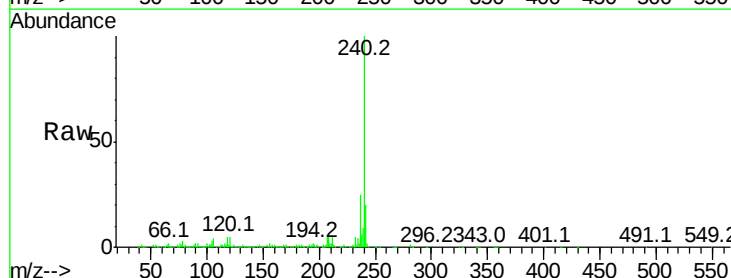
Tgt Ion:240 Resp: 1059551

Ion Ratio Lower Upper

240 100

120 4.6 8.2 12.2#

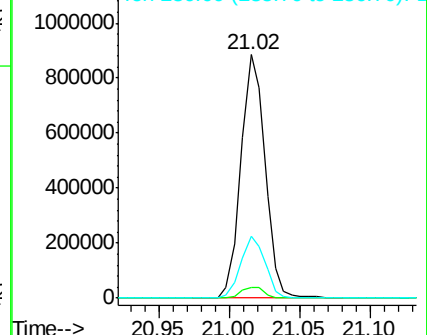
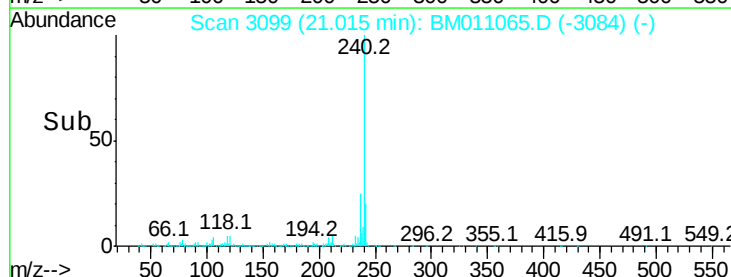
236 25.4 20.0 30.0

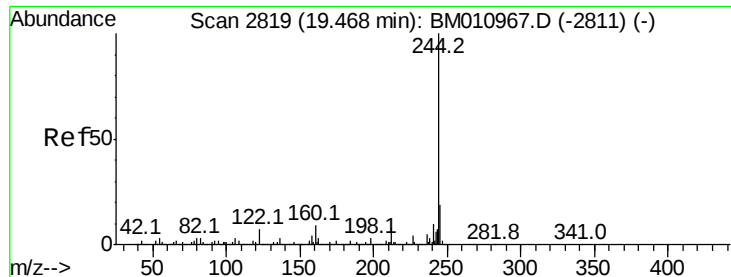


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 93.118 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011065.D

Acq: 31 Jul 2017 13:30

Instrument :

BNA\_M

ClientSampleId :

TR-04-072617

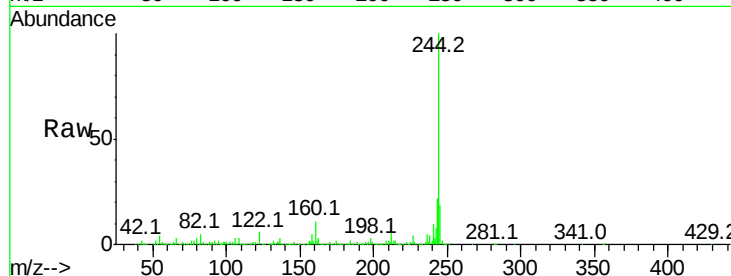
Tot Ion:244 Resp: 4980788

Ion Ratio Lower Upper

244 100

212 8.7 4.9 7.3#

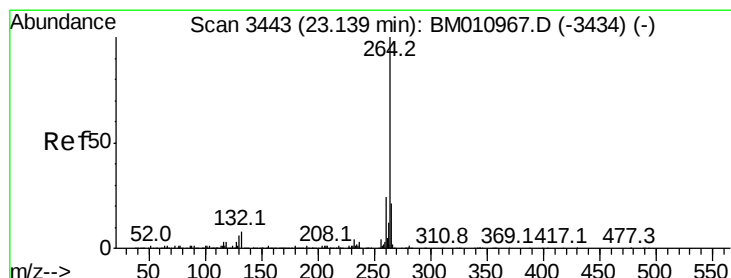
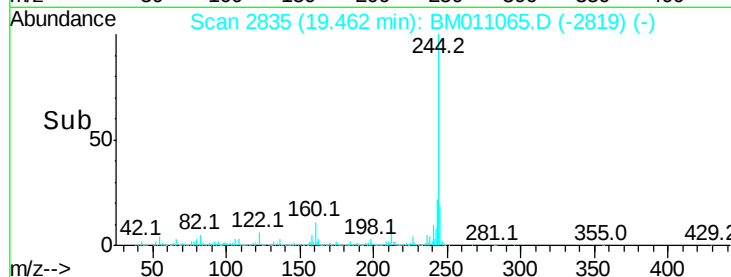
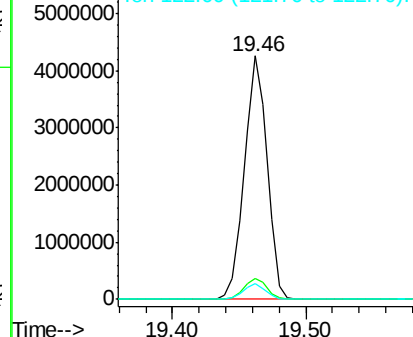
122 6.3 6.2 9.4



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: 23.13 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BM011065.D

Acq: 31 Jul 2017 13:30

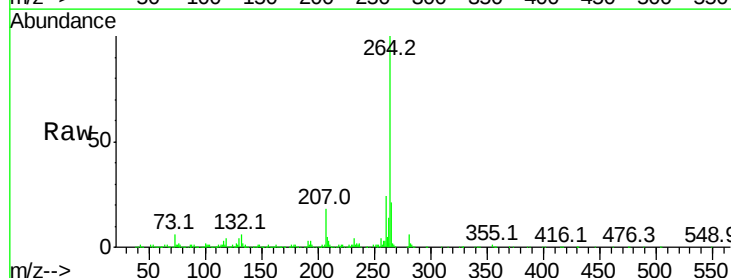
Tgt Ion:264 Resp: 866354

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.4 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

