

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\  
 Data File : BM010989.D  
 Acq On : 27 Jul 2017 02:12  
 Operator : SJ/JU  
 Sample : PB100967BL  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB100967BL

Quant Time: Jul 27 10:07:16 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  | 233203   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.15 | 136  | 867389   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.04 | 164  | 586561   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.80 | 188  | 1436620  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.02 | 240  | 1227895  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.14 | 264  | 815016   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 2046399  | 148.34 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 2767591  | 141.20 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.54  | 82   | 2222802  | 96.18  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.55 | 330  | 1365878  | 145.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.66 | 172  | 4574140  | 97.80  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.47 | 244  | 6413093  | 103.46 | ng    | 0.00     |

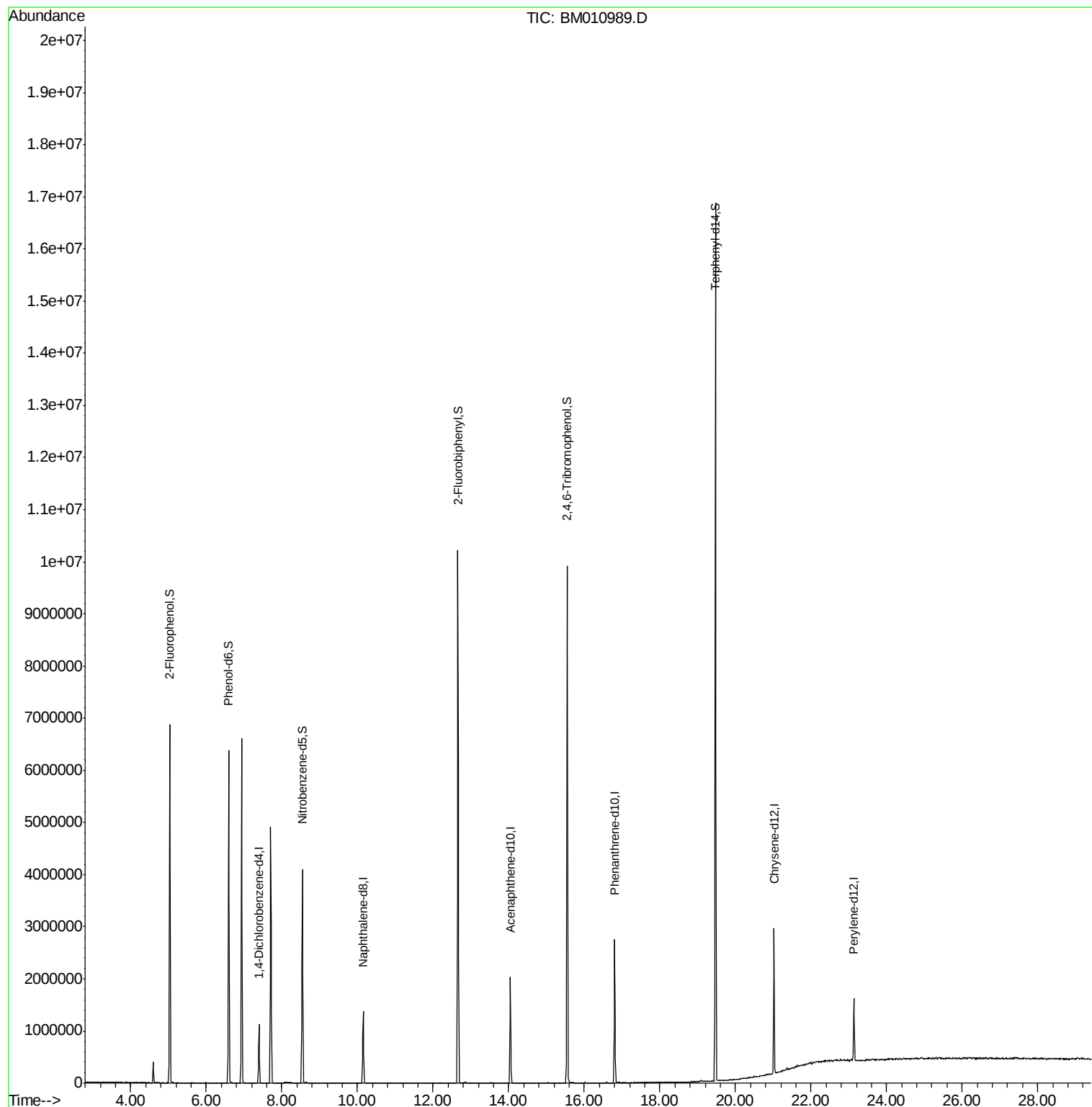
Target Compounds Qvalue

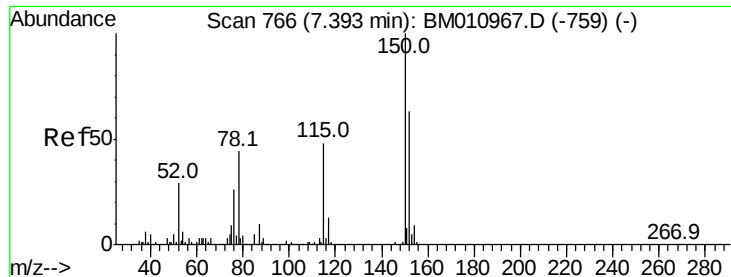
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\  
Data File : BM010989.D  
Acq On : 27 Jul 2017 02:12  
Operator : SJ/JU  
Sample : PB100967BL  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB100967BL

Quant Time: Jul 27 10:07:16 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



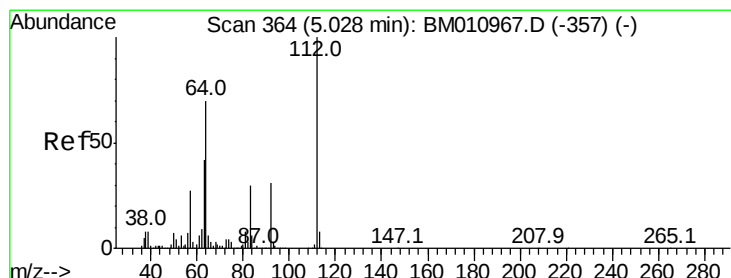
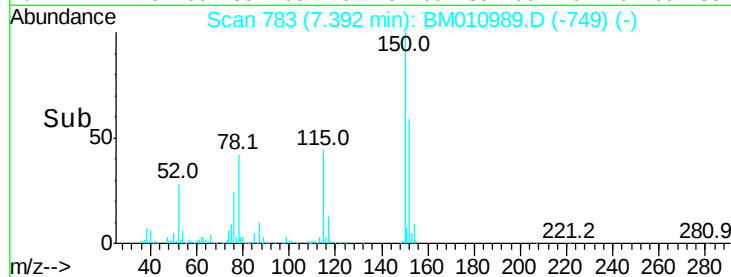
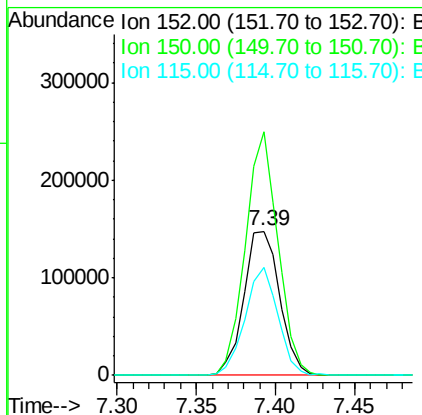
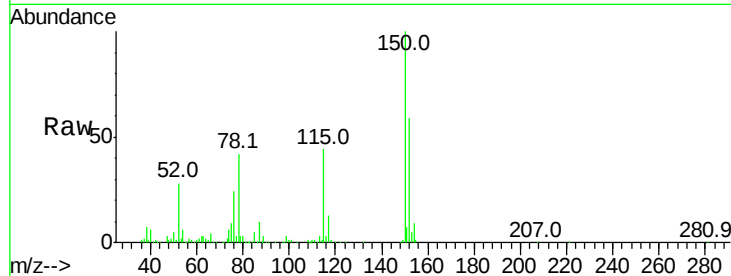


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BM010989.D  
Acq: 27 Jul 2017 02:12

Instrument :  
BNA\_M  
ClientSampleId :  
PB100967BL

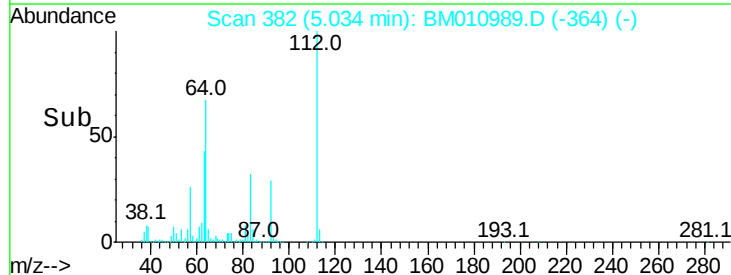
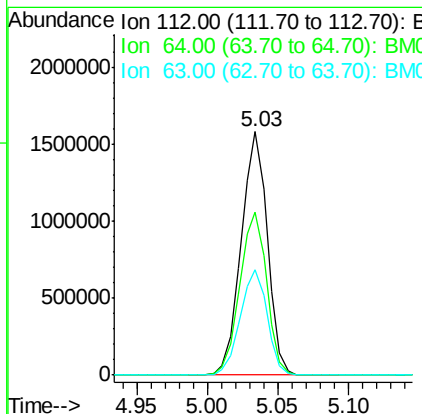
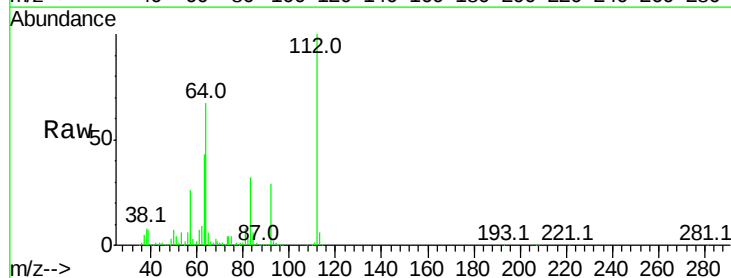
Tot Ion:152 Resp: 233203  
Ion Ratio Lower Upper  
152 100  
150 168.9 119.5 179.3  
115 74.6 43.0 64.4#



#5

2-Fluorophenol  
Concen: 148.339 ng  
RT: 5.03 min Scan# 382  
Delta R.T. 0.01 min  
Lab File: BM010989.D  
Acq: 27 Jul 2017 02:12

Tgt Ion:112 Resp: 2046399  
Ion Ratio Lower Upper  
112 100  
64 66.8 38.6 57.8#  
63 43.2 19.3 28.9#





#7

Phenol-d6

Concen: 141.198 ng

RT: 6.59 min Scan# 647

Delta R.T. -0.00 min

Lab File: BM010989.D

Acq: 27 Jul 2017 02:12

Instrument :

BNA\_M

ClientSampleId :

PB100967BL

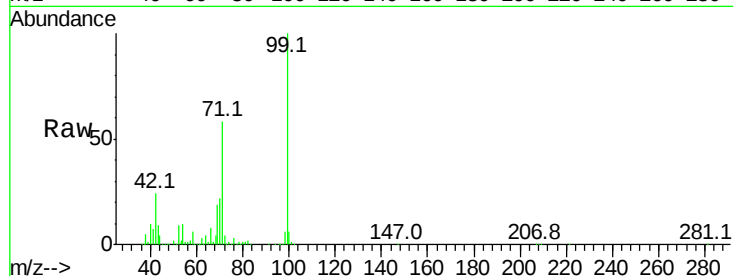
Tot Ion: 99 Resp: 2767591

Ion Ratio Lower Upper

99 100

42 24.0 11.0 16.4#

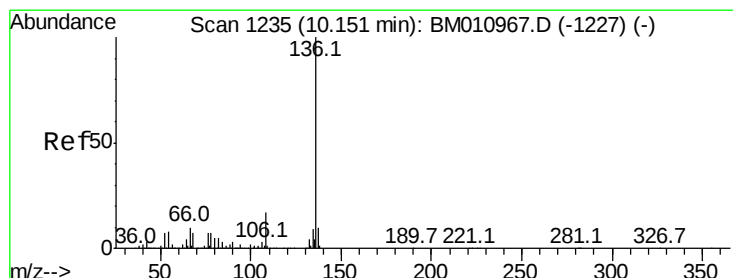
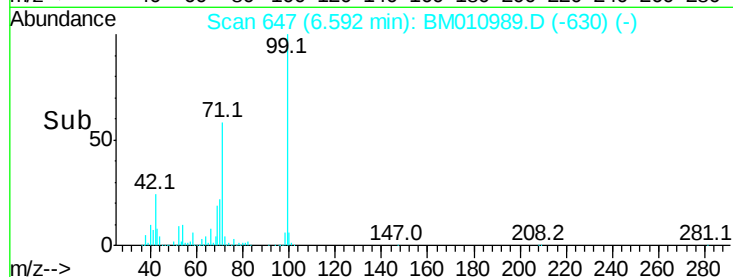
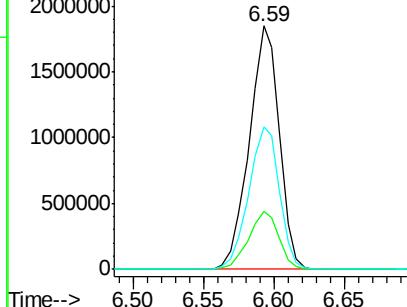
71 58.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010967.D (-621) (-)

Ion 42.00 (41.70 to 42.70): BM010967.D (-621) (-)

Ion 71.00 (70.70 to 71.70): BM010967.D (-621) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.15 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM010989.D

Acq: 27 Jul 2017 02:12

Tgt Ion:136 Resp: 867389

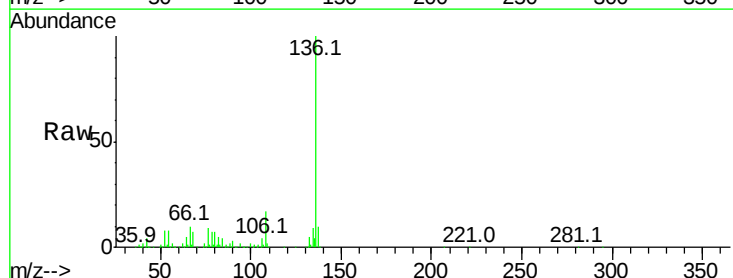
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 8.4 4.6 6.8#

68 6.9 3.7 5.5#

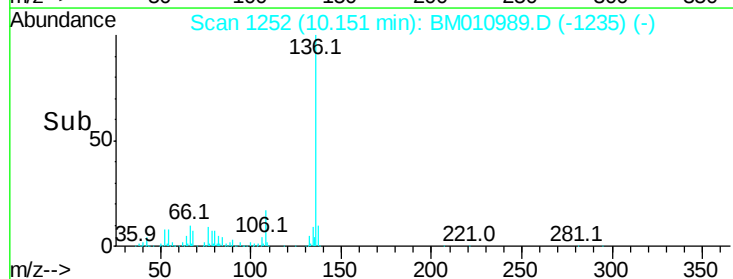
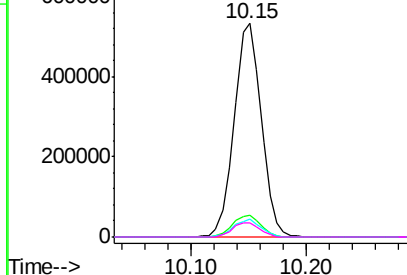


Abundance Ion 136.00 (135.70 to 136.70): BM010967.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM010967.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM010967.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM010967.D (-1227) (-)





#23

Nitrobenzene-d5

Concen: 96.180 ng

RT: 8.54 min Scan# 978

Delta R.T. -0.00 min

Lab File: BM010989.D

Acq: 27 Jul 2017 02:12

Instrument :

BNA\_M

ClientSampleId :

PB100967BL

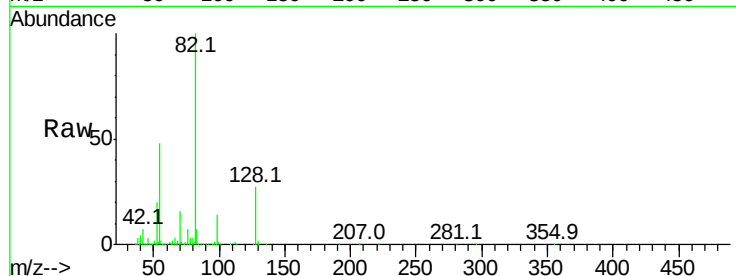
Tot Ion: 82 Resp: 2222802

Ion Ratio Lower Upper

82 100

128 27.4 32.8 49.2#

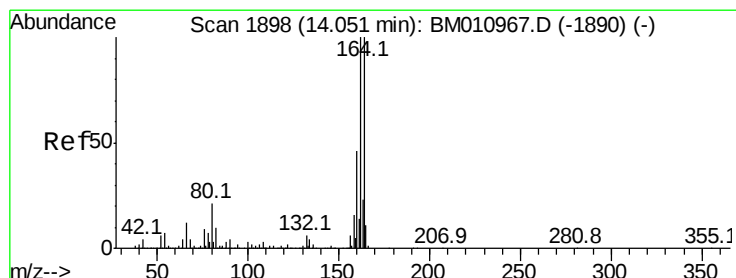
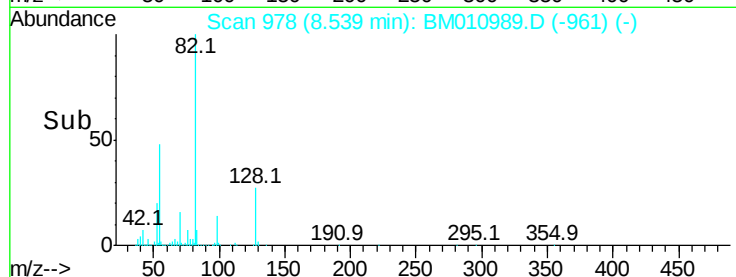
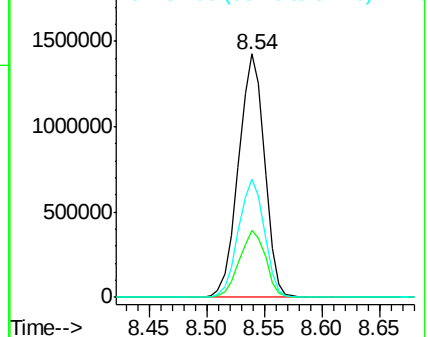
54 48.4 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM010967.D (-953) (-)

Ion 128.00 (127.70 to 128.70): BM010967.D (-953) (-)

Ion 54.00 (53.70 to 54.70): BM010967.D (-953) (-)



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM010989.D

Acq: 27 Jul 2017 02:12

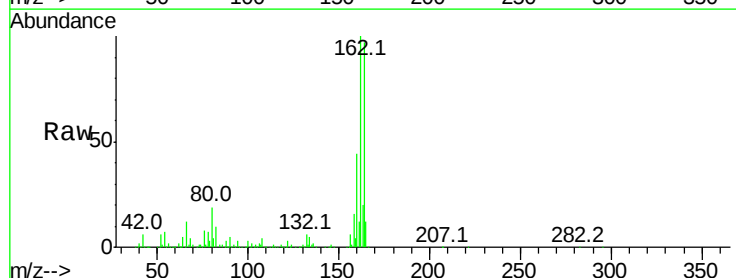
Tgt Ion:164 Resp: 586561

Ion Ratio Lower Upper

164 100

162 103.0 82.4 123.6

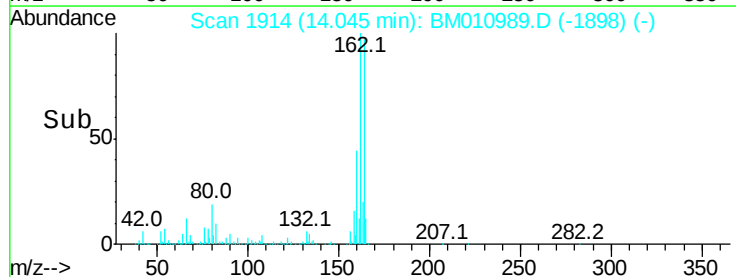
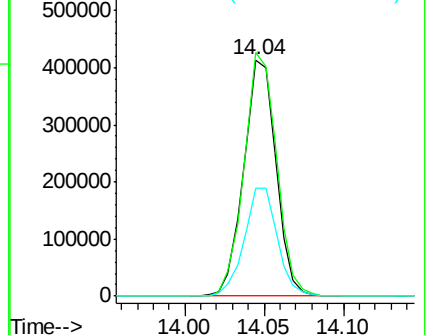
160 45.6 35.8 53.6

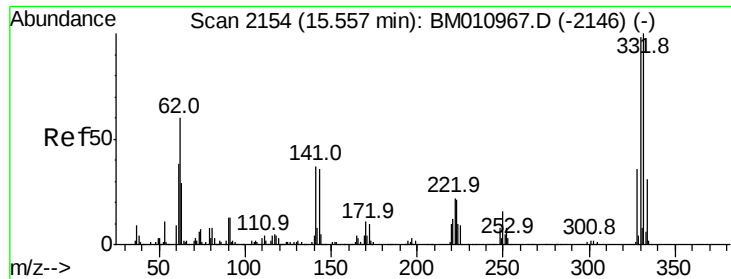


Abundance Ion 164.00 (163.70 to 164.70): BM010967.D (-1890) (-)

Ion 162.00 (161.70 to 162.70): BM010967.D (-1890) (-)

Ion 160.00 (159.70 to 160.70): BM010967.D (-1890) (-)



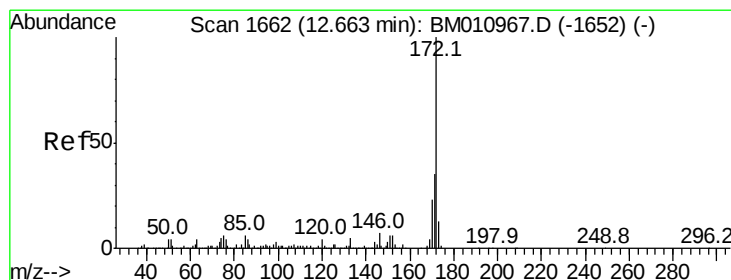
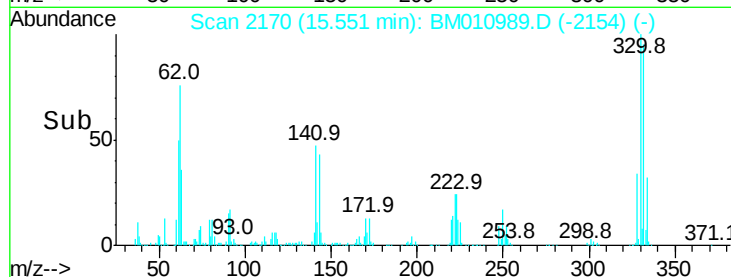
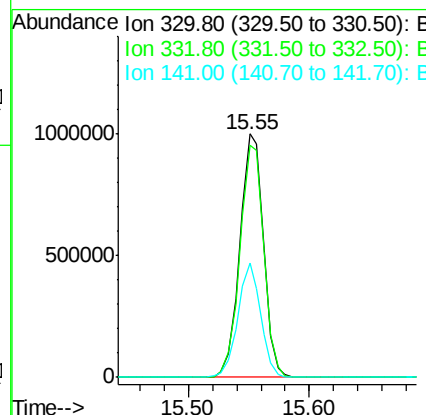
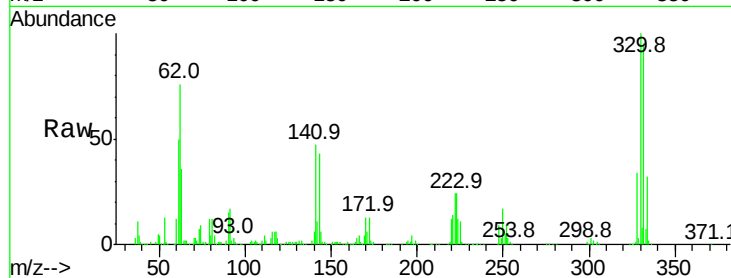


#41  
 2,4,6-Tribromophenol  
 Concen: 145.285 ng  
 RT: 15.55 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM010989.D  
 Acq: 27 Jul 2017 02:12

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB100967BL

Tot Ion:330 Resp: 1365878  

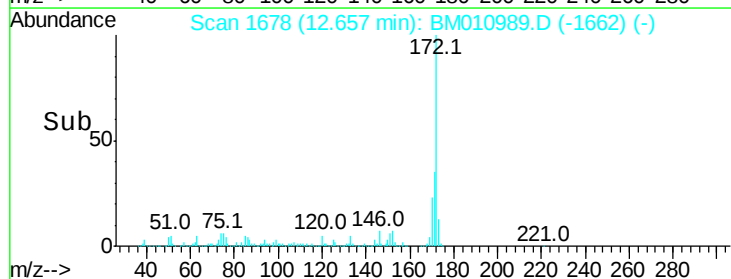
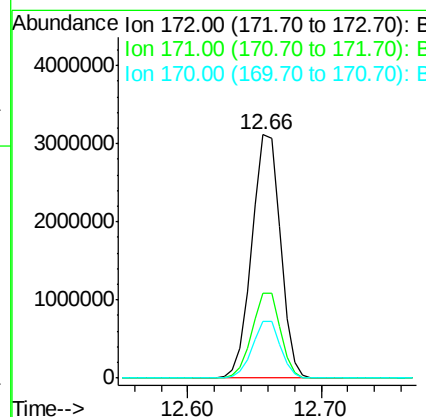
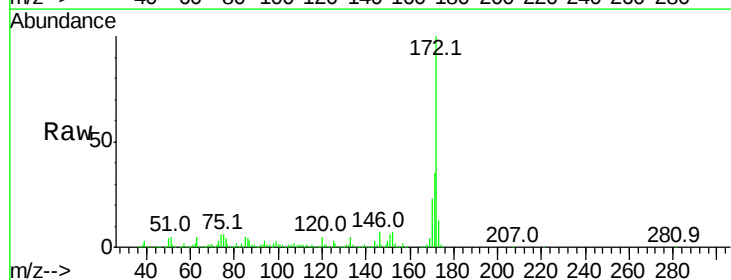
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.8  | 0.0   | 0.0#  |
| 141 | 45.1  | 0.0   | 0.0#  |

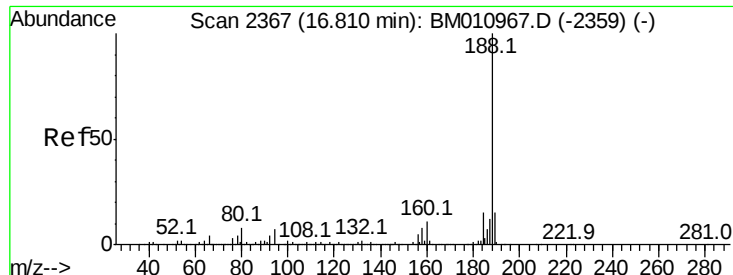


#44  
 2-Fluorobiphenyl  
 Concen: 97.800 ng  
 RT: 12.66 min Scan# 1678  
 Delta R.T. -0.01 min  
 Lab File: BM010989.D  
 Acq: 27 Jul 2017 02:12

Tgt Ion:172 Resp: 4574140  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 34.9  | 28.5  | 42.7  |
| 170 | 23.4  | 18.8  | 28.2  |

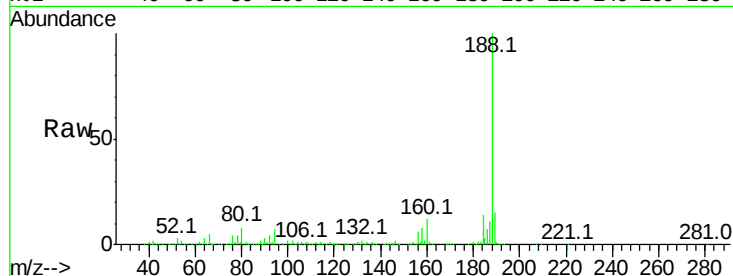




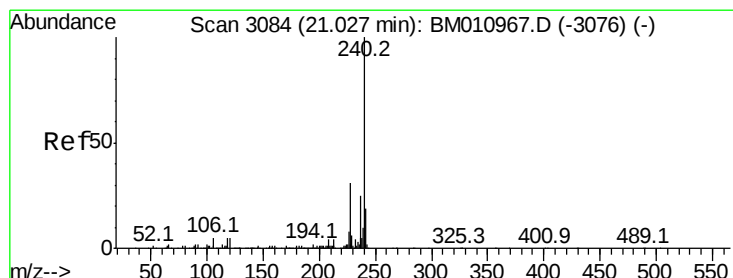
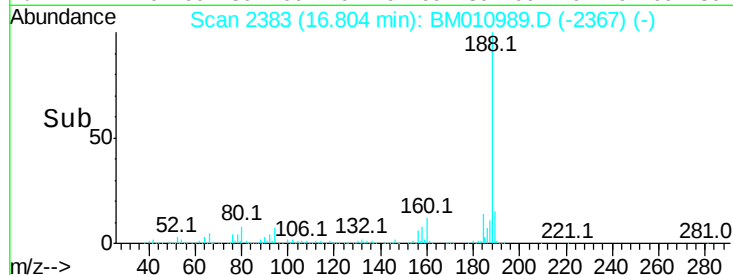
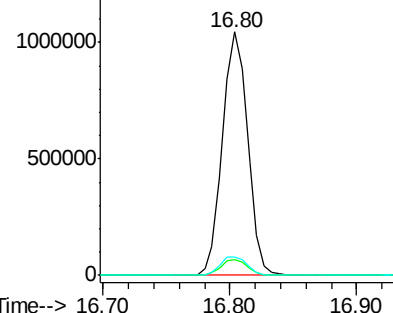
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.80 min Scan# 2383  
Delta R.T. -0.01 min  
Lab File: BM010989.D  
Acq: 27 Jul 2017 02:12

Instrument :  
BNA\_M  
ClientSampled :  
PB100967BL

Tot Ion:188 Resp: 1436620  
Ion Ratio Lower Upper  
188 100  
94 6.5 8.7 13.1#  
80 7.8 9.3 13.9#

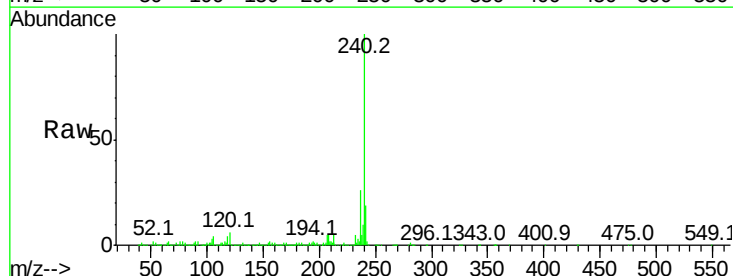


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0

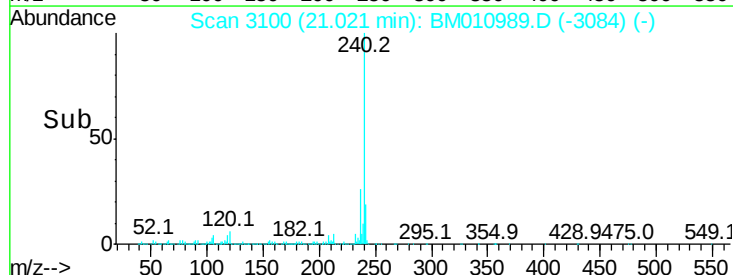
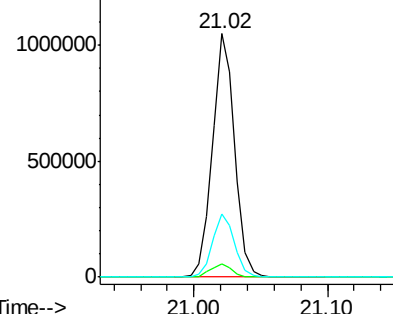


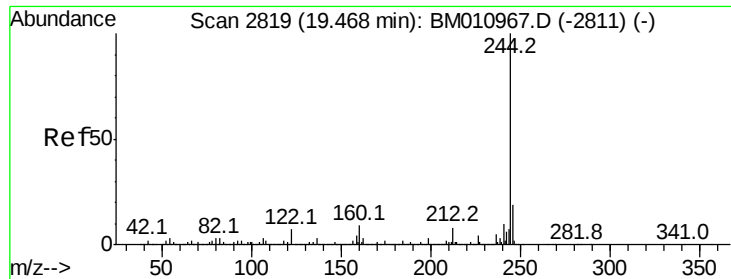
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.02 min Scan# 3100  
Delta R.T. -0.01 min  
Lab File: BM010989.D  
Acq: 27 Jul 2017 02:12

Tgt Ion:240 Resp: 1227895  
Ion Ratio Lower Upper  
240 100  
120 5.5 8.2 12.2#  
236 25.8 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: 103.458 ng

RT: 19.47 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BM010989.D

Acq: 27 Jul 2017 02:12

Instrument :

BNA\_M

ClientSampleId :

PB100967BL

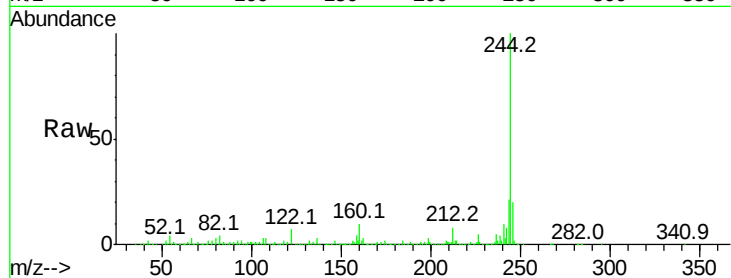
Tot Ion:244 Resp: 6413093

Ion Ratio Lower Upper

244 100

212 8.2 4.9 7.3#

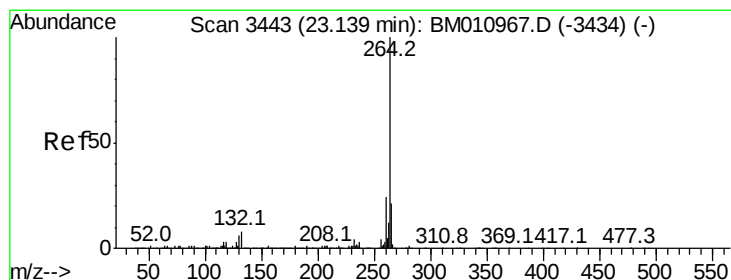
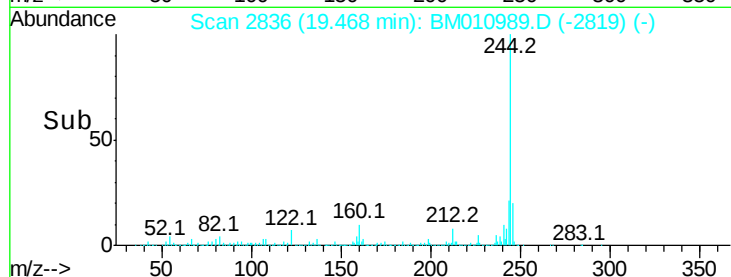
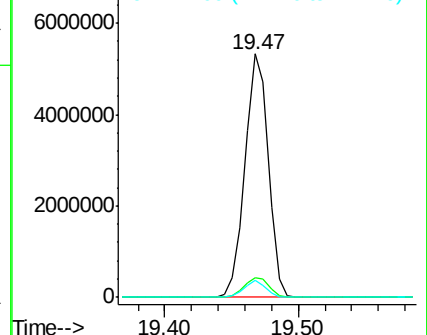
122 7.1 6.2 9.4



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: 23.14 min Scan# 3460

Delta R.T. -0.00 min

Lab File: BM010989.D

Acq: 27 Jul 2017 02:12

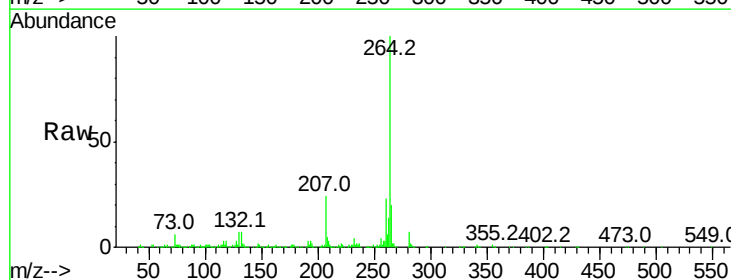
Tgt Ion:264 Resp: 815016

Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 19.9 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

