

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080217\  
 Data File : BM011113.D  
 Acq On : 03 Aug 2017 06:42  
 Operator : SJ/JU  
 Sample : I4539-08  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 03 13:43:22 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

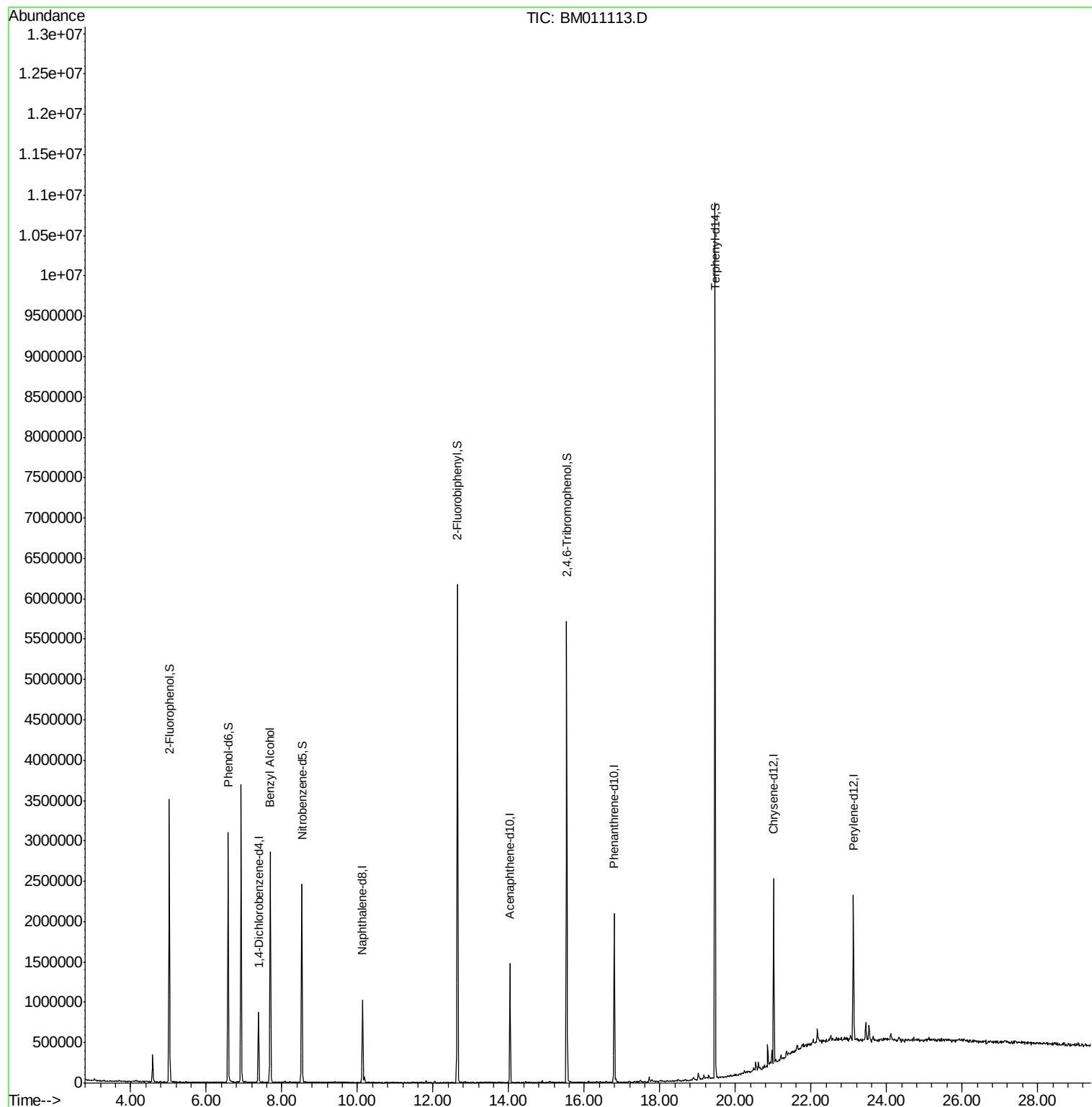
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.38  | 152  | 165565   | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 10.13 | 136  | 612873   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 14.03 | 164  | 417210   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 16.79 | 188  | 1062401  | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 21.02 | 240  | 1096838  | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 23.12 | 264  | 1181806  | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.02  | 112  | 982380   | 100.30 | ng    | 0.00           |
| 7) Phenol-d6                | 6.57  | 99   | 1255974  | 90.26  | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1356902  | 83.10  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 15.54 | 330  | 760725   | 113.76 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 12.65 | 172  | 2540793  | 76.38  | ng    | -0.02          |
| 78) Terphenyl-d14           | 19.46 | 244  | 4016592  | 72.54  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 15) Benzyl Alcohol          | 7.69  | 79   | 27736    | 2.078  | ng    | Qvalue<br># 51 |

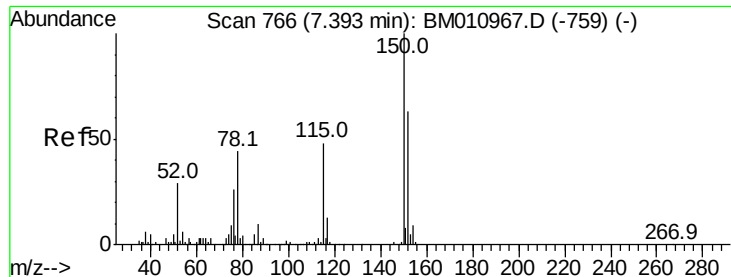
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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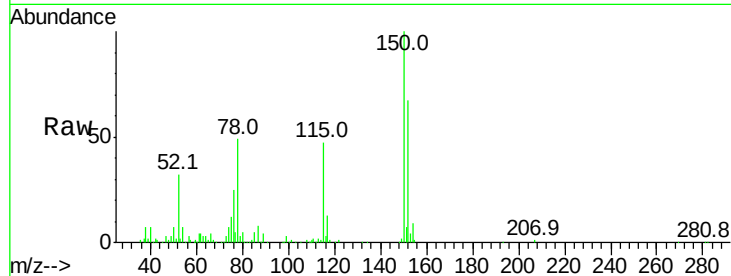


#1

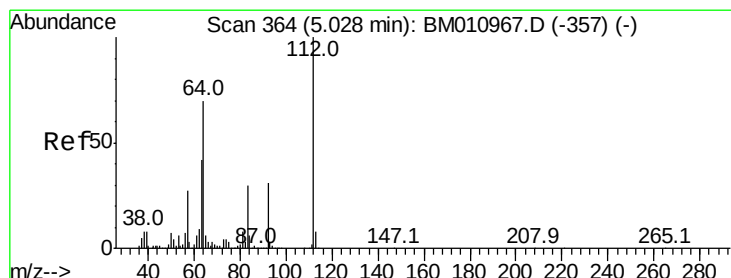
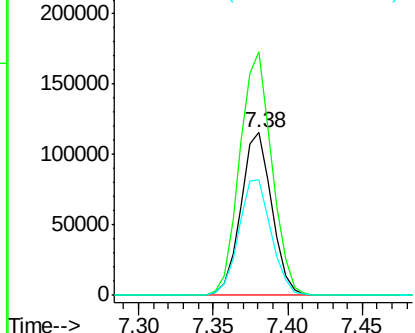
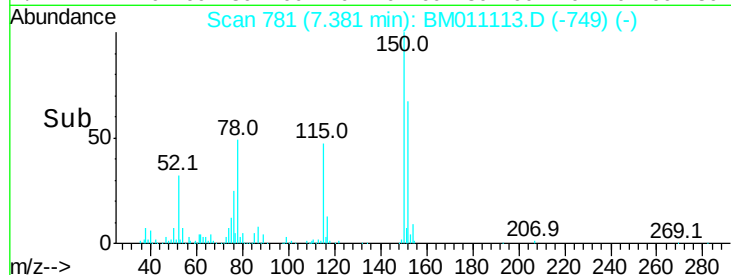
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.38 min Scan# 781  
Delta R.T. -0.01 min  
Lab File: BM011113.D  
Acq: 03 Aug 2017 06:42

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 165565  
Ion Ratio Lower Upper  
152 100  
150 149.5 119.5 179.3  
115 71.0 43.0 64.4#



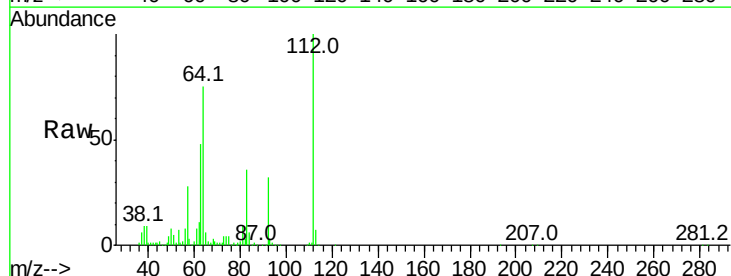
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



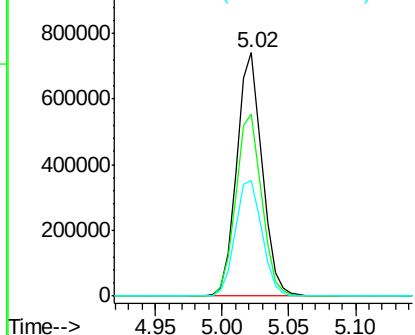
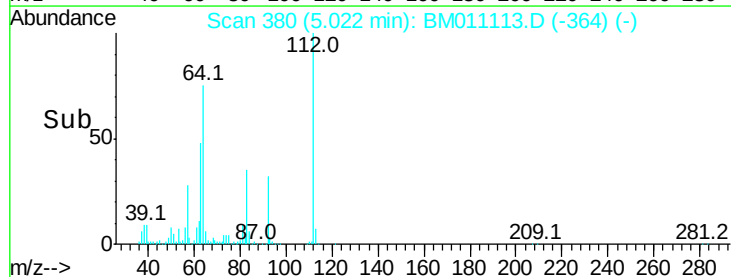
#5

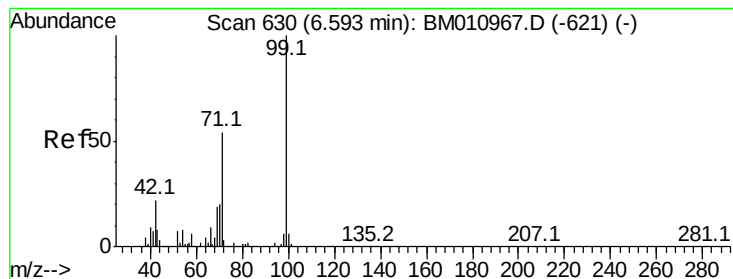
2-Fluorophenol  
Concen: 100.302 ng  
RT: 5.02 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: BM011113.D  
Acq: 03 Aug 2017 06:42

Tgt Ion:112 Resp: 982380  
Ion Ratio Lower Upper  
112 100  
64 74.7 38.6 57.8#  
63 47.7 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: 90.256 ng

RT: 6.57 min Scan# 644

Delta R.T. -0.02 min

Lab File: BM011113.D

Acq: 03 Aug 2017 06:42

Instrument :

BNA\_M

ClientSampleId :

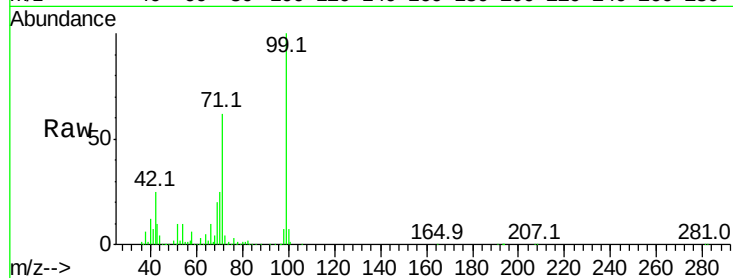
Tot Ion: 99 Resp: 1255974

Ion Ratio Lower Upper

99 100

42 25.1 11.0 16.4#

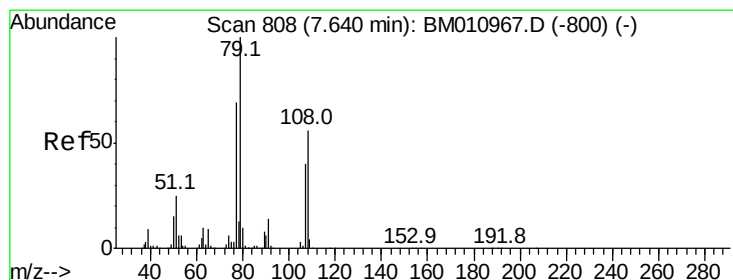
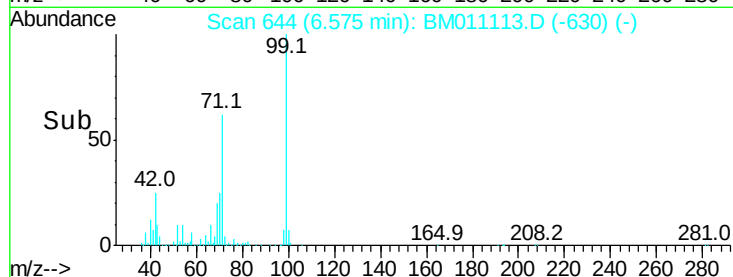
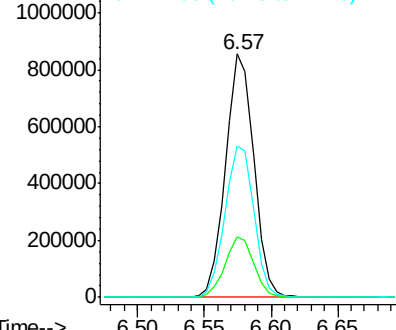
71 62.3 23.4 35.2#



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) (-)



#15

Benzyl Alcohol

Concen: 2.078 ng

RT: 7.69 min Scan# 833

Delta R.T. 0.05 min

Lab File: BM011113.D

Acq: 03 Aug 2017 06:42

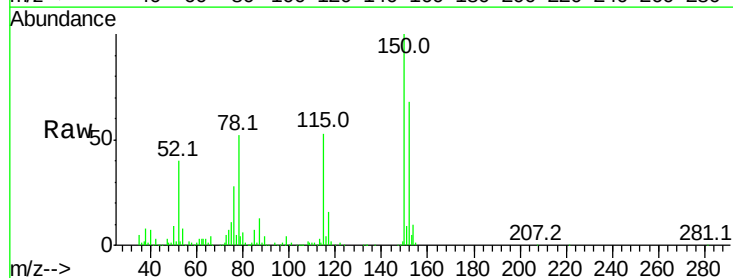
Tgt Ion: 79 Resp: 27736

Ion Ratio Lower Upper

79 100

108 43.7 65.0 97.4#

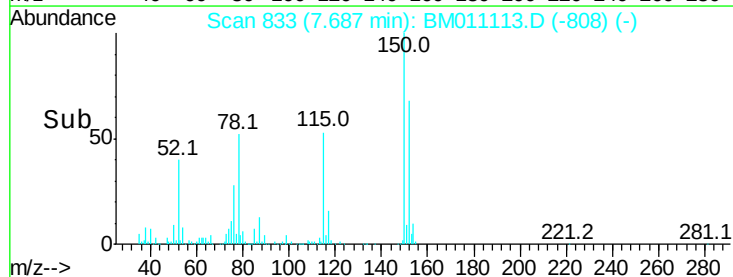
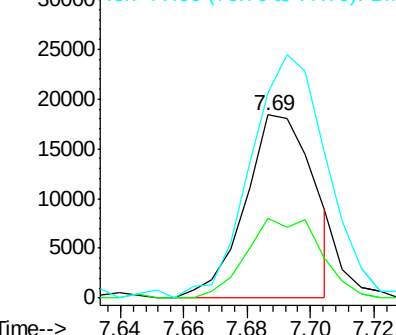
77 112.2 53.0 79.6#

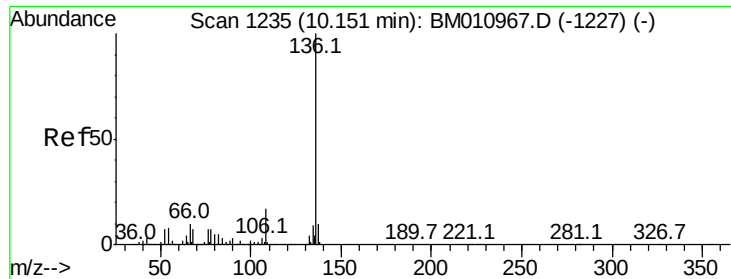


Abundance Ion 79.00 (78.70 to 79.70): BM010967.D (-800) (-)

Ion 108.00 (107.70 to 108.70): BM010967.D (-800) (-)

Ion 77.00 (76.70 to 77.70): BM010967.D (-800) (-)

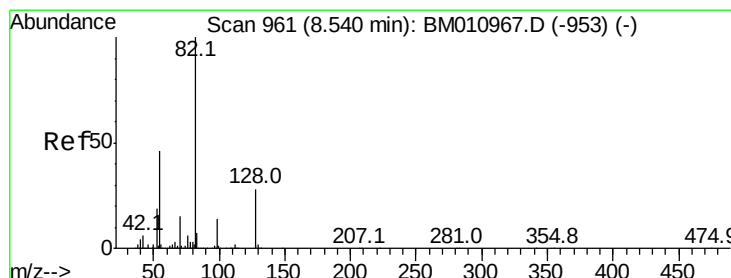
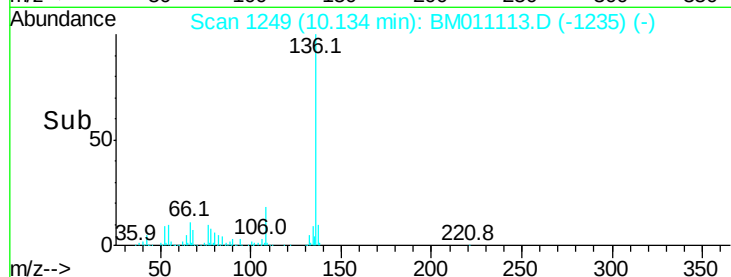
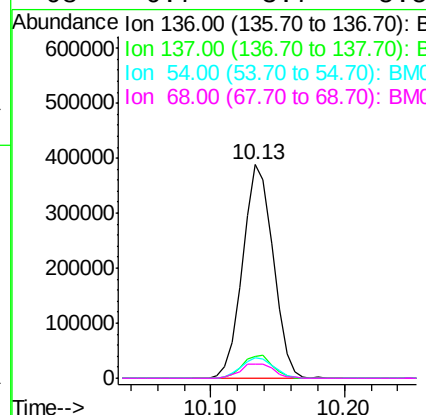
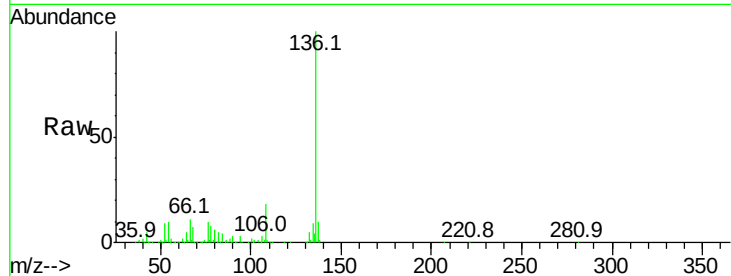




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.13 min Scan# 1249  
Delta R.T. -0.02 min  
Lab File: BM011113.D  
Acq: 03 Aug 2017 06:42

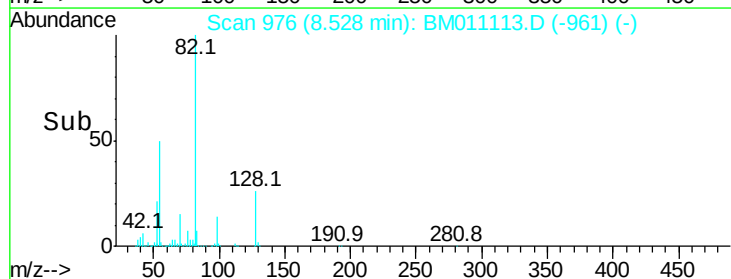
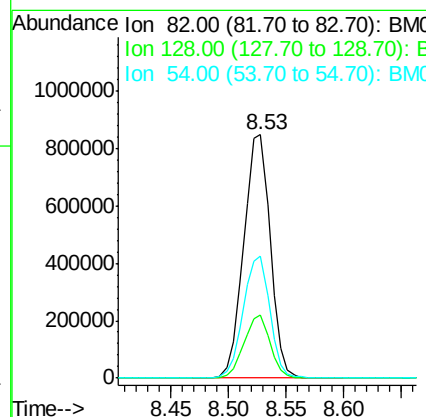
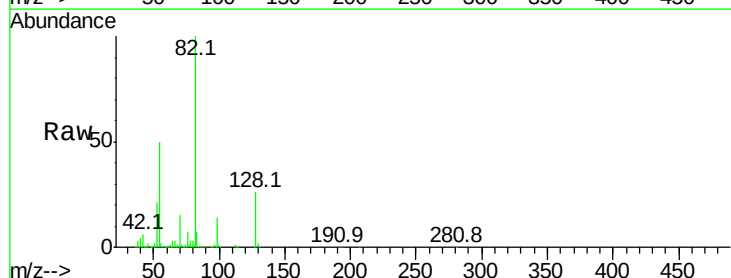
Instrument :  
BNA\_M  
ClientSampleId :

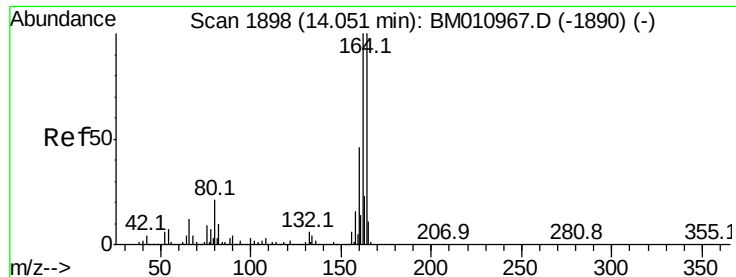
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 612873 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.9   | 8.7   | 13.1   |
| 54       | 9.5   | 4.6   | 6.8#   |
| 68       | 6.7   | 3.7   | 5.5#   |



#23  
Nitrobenzene-d5  
Concen: 83.095 ng  
RT: 8.53 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BM011113.D  
Acq: 03 Aug 2017 06:42

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1356902 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 26.2  | 32.8  | 49.2#   |
| 54       | 49.9  | 40.6  | 60.8    |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.03 min Scan# 1912

Delta R.T. -0.02 min

Lab File: BM011113.D

Acq: 03 Aug 2017 06:42

Instrument :

BNA\_M

ClientSampleId :

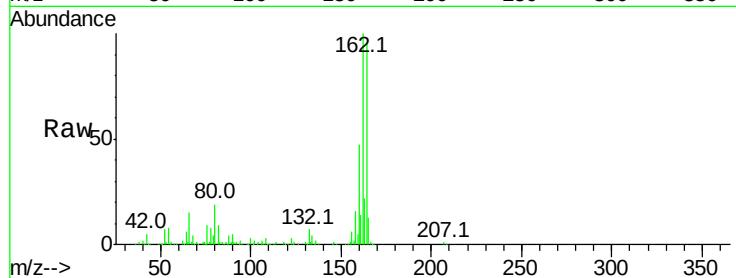
Tot Ion:164 Resp: 417210

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.3 | 82.4  | 123.6 |
| 160 | 48.7  | 35.8  | 53.6  |

164 100

162 104.3 82.4 123.6

160 48.7 35.8 53.6



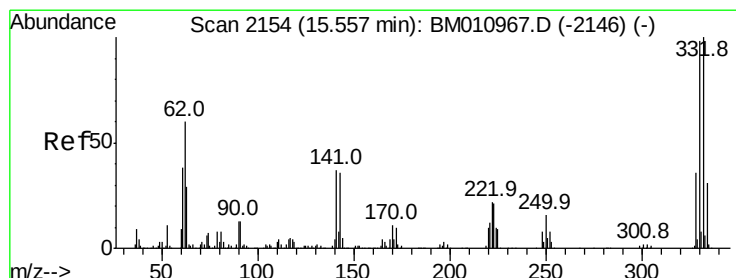
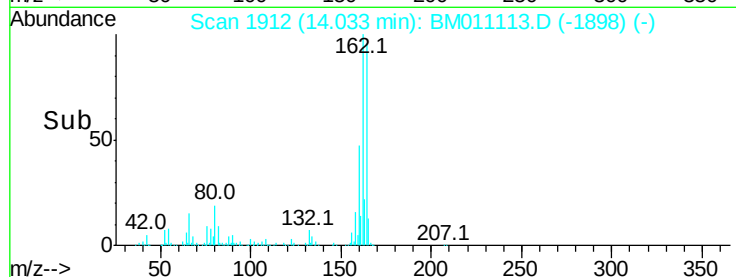
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.03

Time--> 13.95 14.00 14.05 14.10



#41

2,4,6-Tribromophenol

Concen: 113.762 ng

RT: 15.54 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BM011113.D

Acq: 03 Aug 2017 06:42

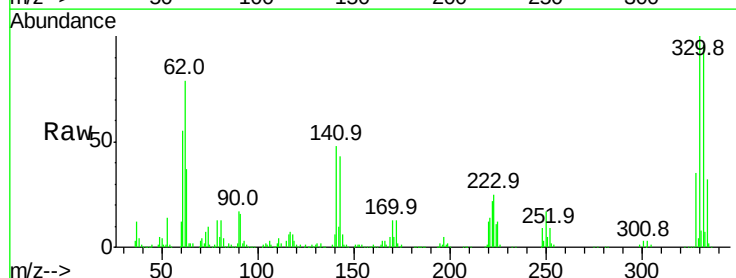
Tgt Ion:330 Resp: 760725

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.9  | 0.0   | 0.0#  |
| 141 | 45.3  | 0.0   | 0.0#  |

330 100

332 95.9 0.0 0.0#

141 45.3 0.0 0.0#



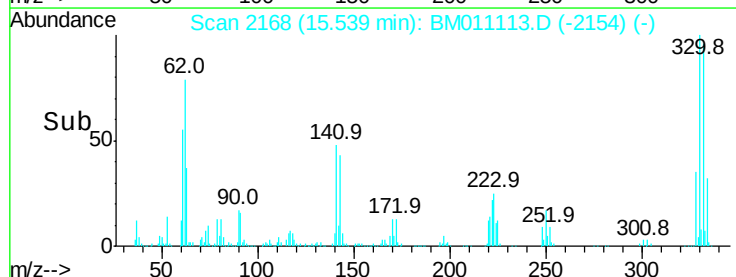
Abundance Ion 329.80 (329.50 to 330.50): E

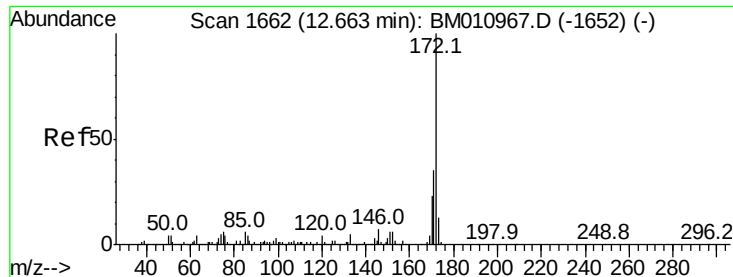
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

15.54

Time--> 15.50 15.55 15.60

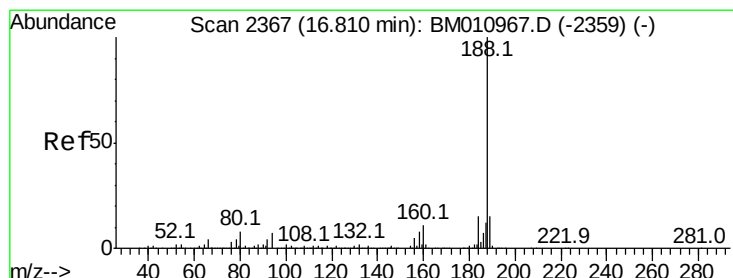
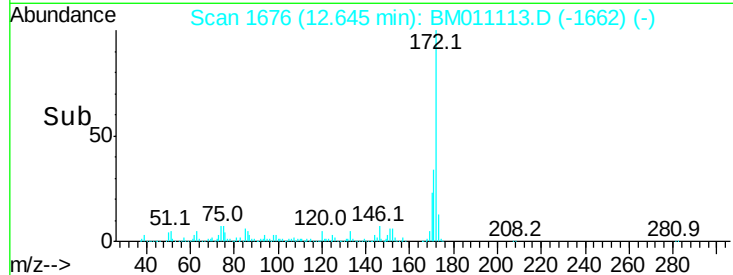
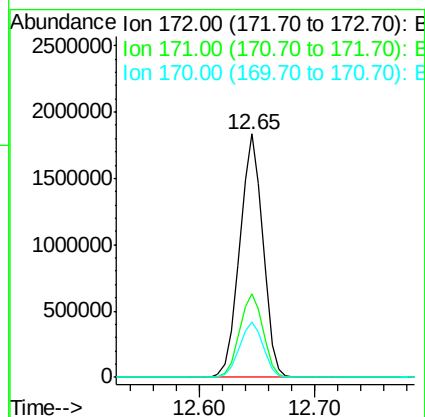
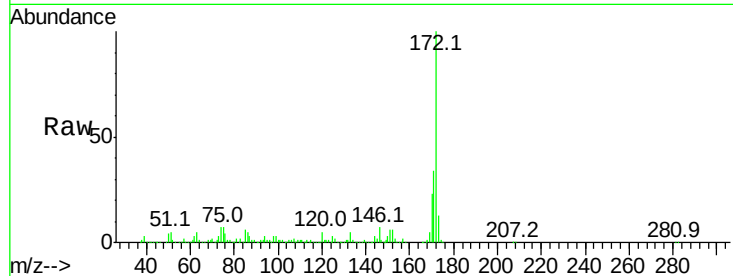




#44  
 2-Fluorobiphenyl  
 Concen: 76.376 ng  
 RT: 12.65 min Scan# 1676  
 Delta R.T. -0.02 min  
 Lab File: BM011113.D  
 Acq: 03 Aug 2017 06:42

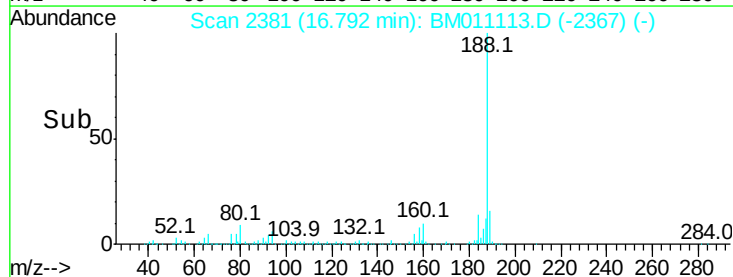
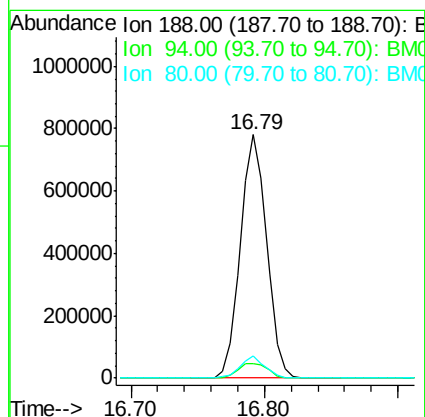
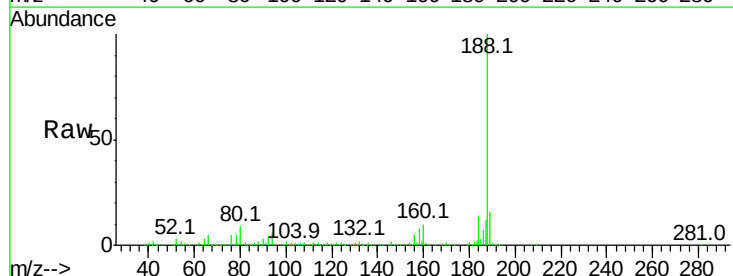
Instrument :  
 BNA\_M  
 ClientSampled :

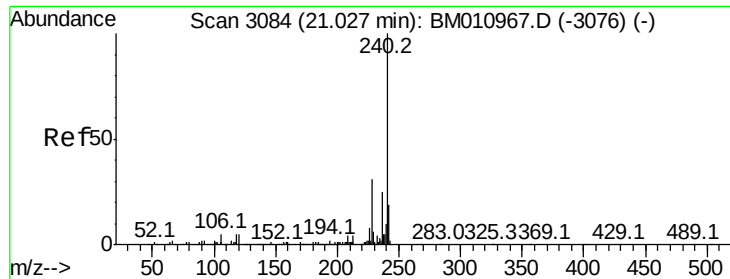
Tot Ion:172 Resp: 2540793  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 28.5 42.7  
 170 23.0 18.8 28.2



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.79 min Scan# 2381  
 Delta R.T. -0.02 min  
 Lab File: BM011113.D  
 Acq: 03 Aug 2017 06:42

Tgt Ion:188 Resp: 1062401  
 Ion Ratio Lower Upper  
 188 100  
 94 5.9 8.7 13.1#  
 80 9.3 9.3 13.9#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM011113.D

Acq: 03 Aug 2017 06:42

Instrument :

BNA\_M

ClientSampled :

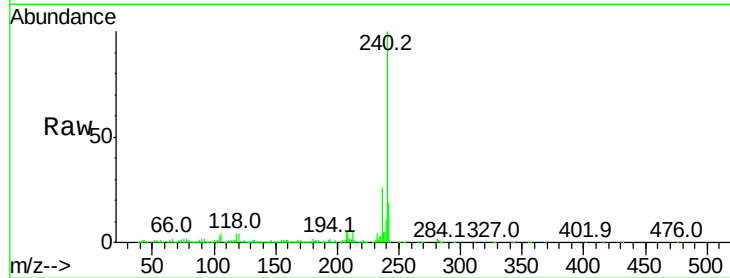
Tot Ion:240 Resp: 1096838

Ion Ratio Lower Upper

240 100

120 4.0 8.2 12.2#

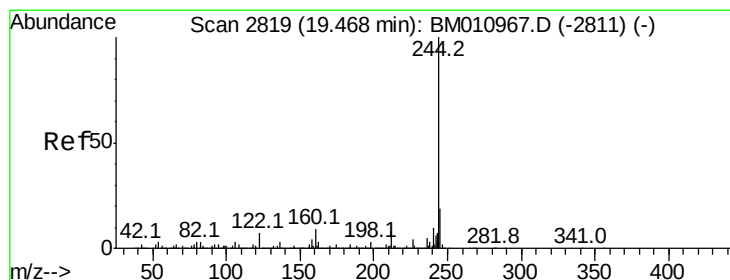
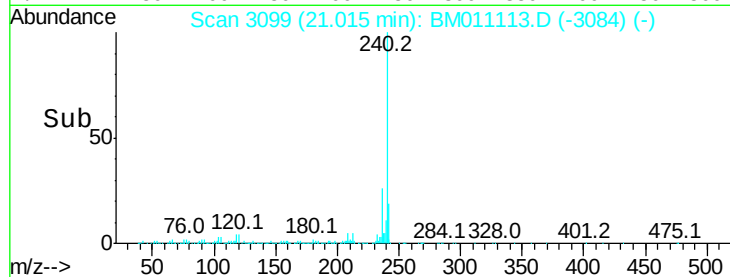
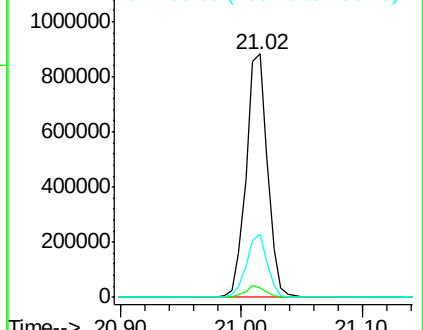
236 26.0 20.0 30.0



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: 72.539 ng

RT: 19.46 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BM011113.D

Acq: 03 Aug 2017 06:42

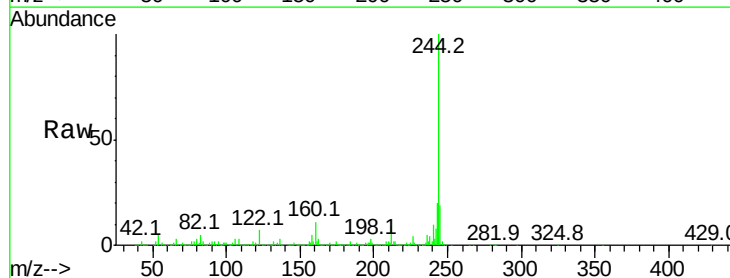
Tgt Ion:244 Resp: 4016592

Ion Ratio Lower Upper

244 100

212 9.0 4.9 7.3#

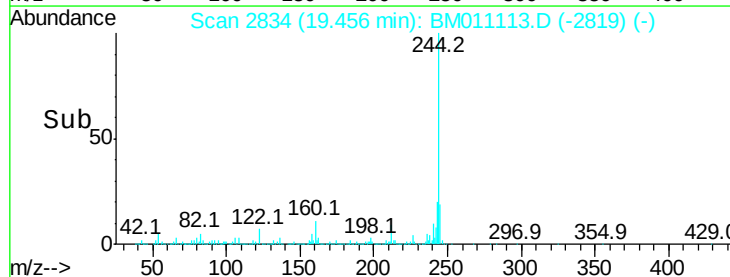
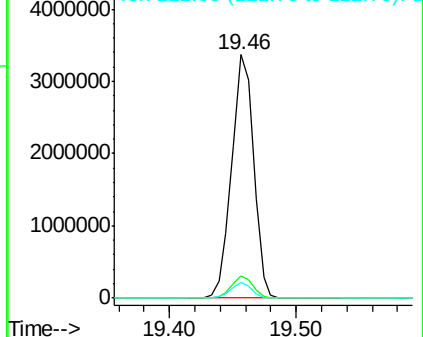
122 6.6 6.2 9.4



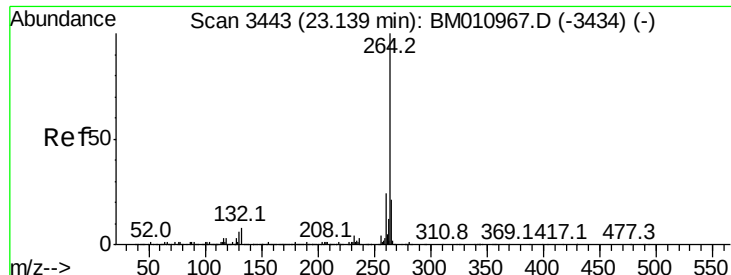
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





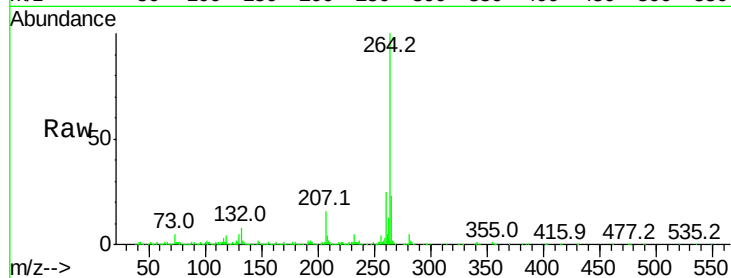


#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 23.12 min Scan# 3457  
 Delta R.T. -0.02 min  
 Lab File: BM011113.D  
 Acq: 03 Aug 2017 06:42

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:264 Resp: 1181806  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.4  | 18.6  | 27.8  |
| 265 | 23.4  | 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

