

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080217\  
 Data File : BM011105.D  
 Acq On : 03 Aug 2017 01:09  
 Operator : SJ/JU  
 Sample : I4540-15  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-11942

Quant Time: Aug 03 04:41:31 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  | 167274   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.13 | 136  | 626497   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.04 | 164  | 421076   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 16.79 | 188  | 1081290  | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.02 | 240  | 1021082  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.12 | 264  | 934698   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.02  | 112  | 1339586  | 135.38 | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 1724043  | 122.63 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1761026  | 105.50 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.54 | 330  | 998997   | 148.02 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 12.65 | 172  | 3284243  | 97.82  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.46 | 244  | 4985639  | 96.72  | ng    | 0.00     |

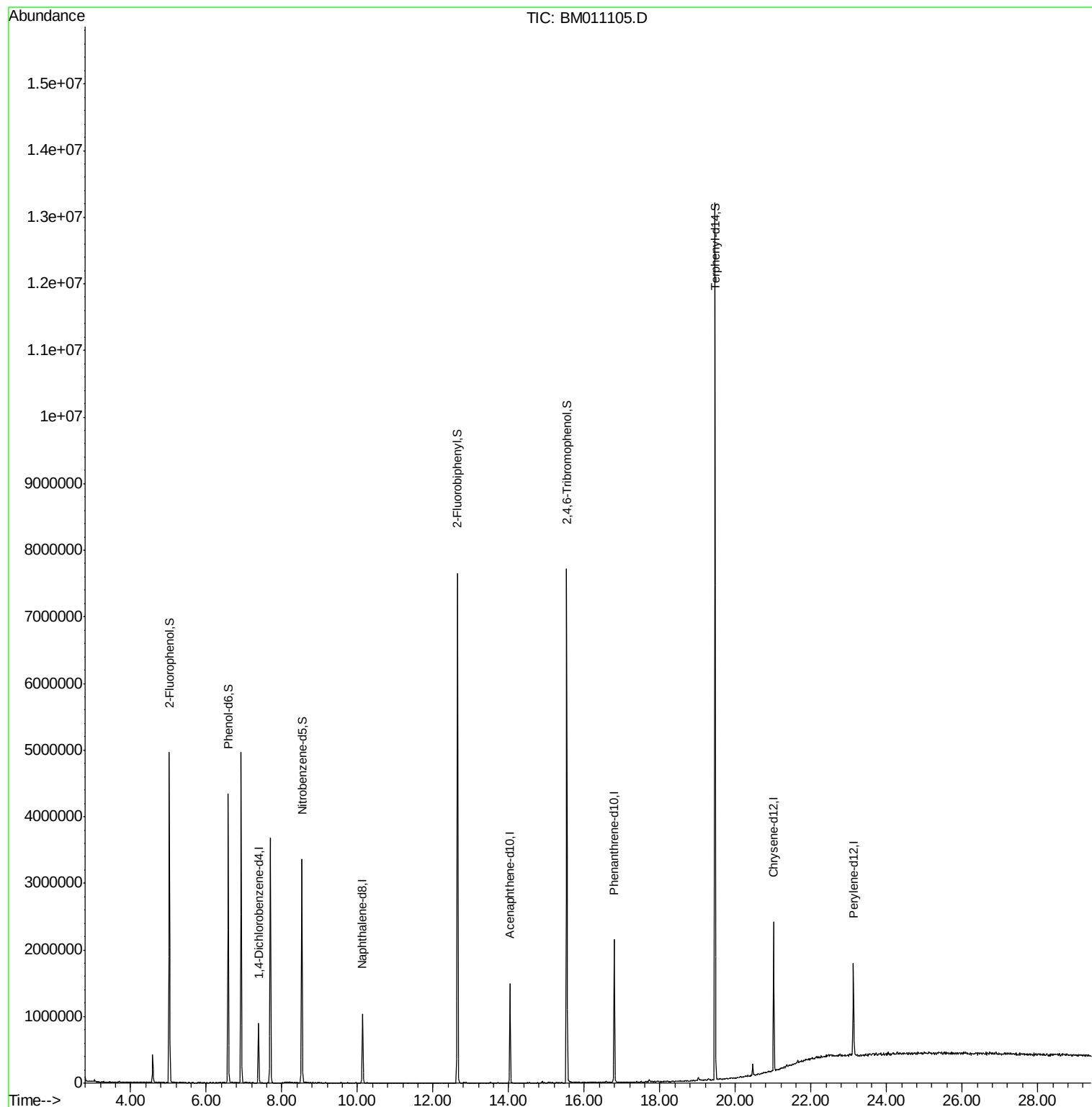
Target Compounds Qvalue

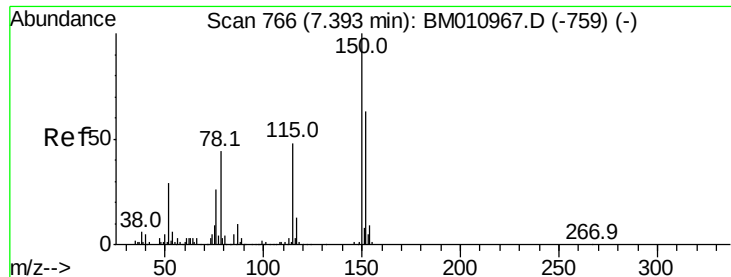
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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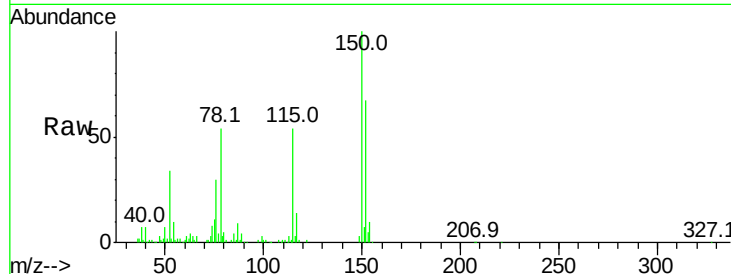


#1

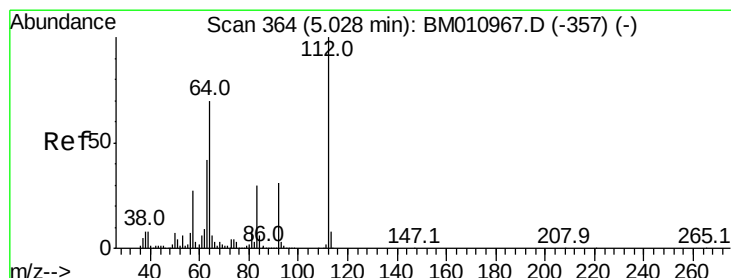
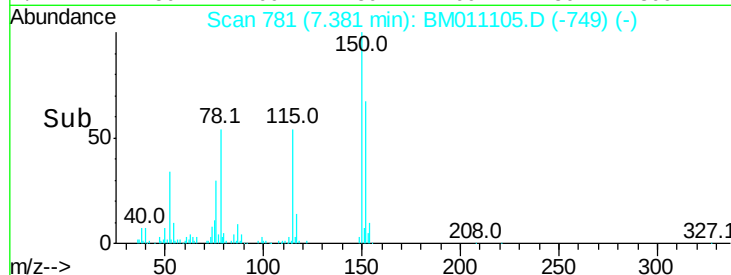
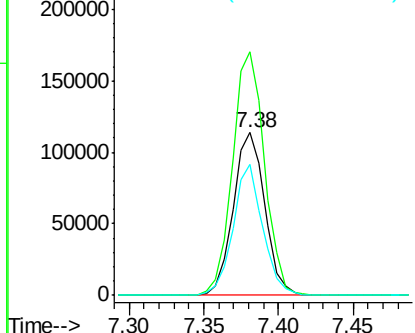
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.38 min Scan# 781  
Delta R.T. -0.01 min  
Lab File: BM011105.D  
Acq: 03 Aug 2017 01:09

Instrument :  
BNA\_M  
ClientSampleId :  
72-11942

Tot Ion:152 Resp: 167274  
Ion Ratio Lower Upper  
152 100  
150 149.8 119.5 179.3  
115 80.3 43.0 64.4#



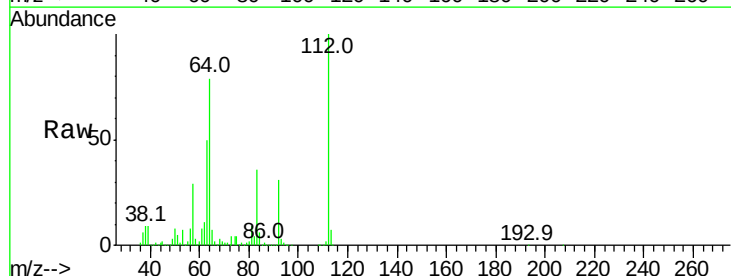
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



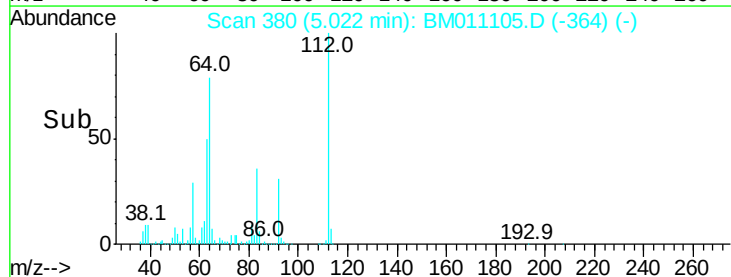
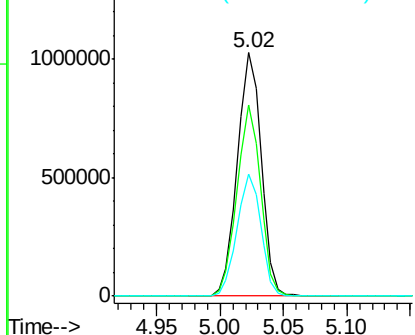
#5

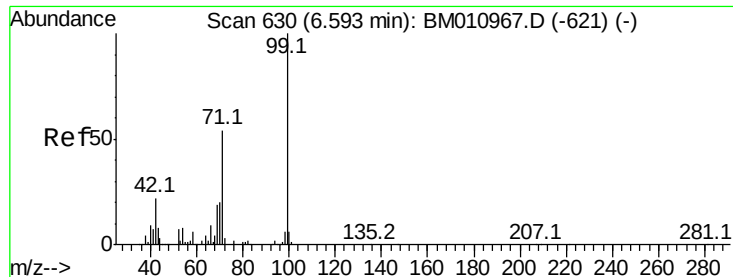
2-Fluorophenol  
Concen: 135.376 ng  
RT: 5.02 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: BM011105.D  
Acq: 03 Aug 2017 01:09

Tgt Ion:112 Resp: 1339586  
Ion Ratio Lower Upper  
112 100  
64 78.7 38.6 57.8#  
63 50.0 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: 122.626 ng

RT: 6.58 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

Instrument :

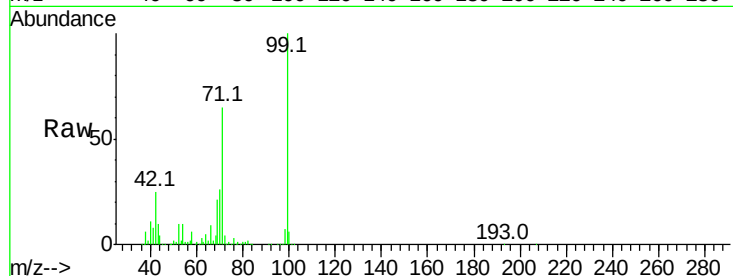
BNA\_M

ClientSampleId :

72-11942

Tot Ion: 99 Resp: 1724043

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 25.4  | 11.0  | 16.4# |
| 71  | 64.6  | 23.4  | 35.2# |

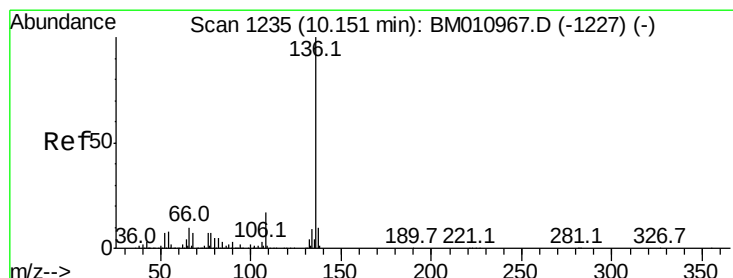
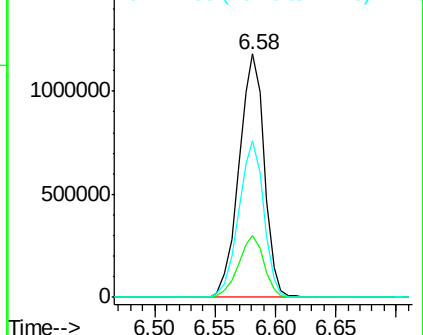
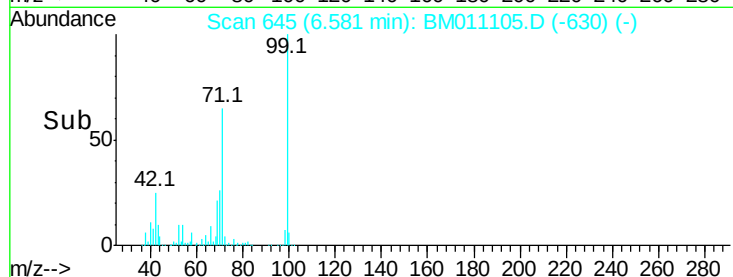


Abundance

Ion 99.00 (98.70 to 99.70): BM011105.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011105.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011105.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.13 min Scan# 1249

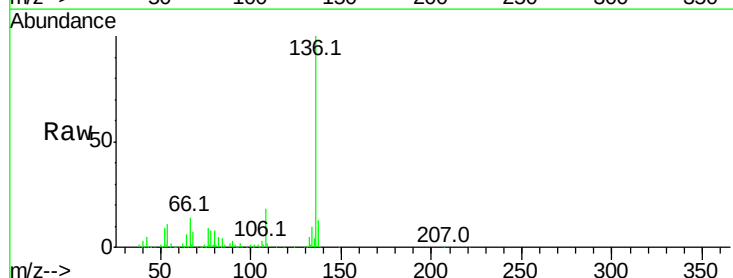
Delta R.T. -0.02 min

Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

Tgt Ion: 136 Resp: 626497

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 12.7  | 8.7   | 13.1  |
| 54  | 11.2  | 4.6   | 6.8#  |
| 68  | 7.2   | 3.7   | 5.5#  |



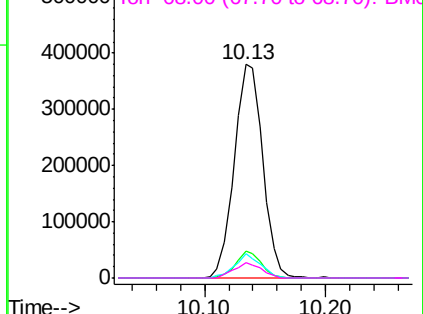
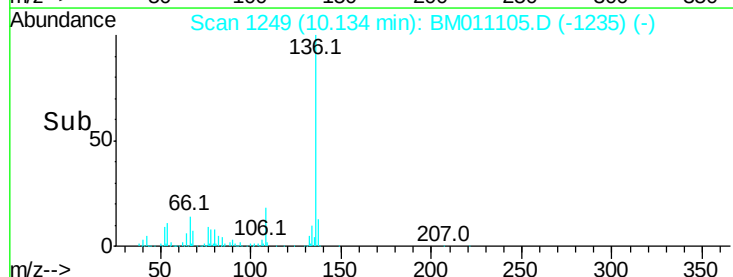
Abundance

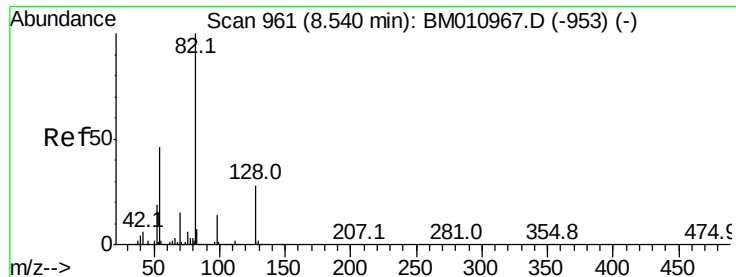
Ion 136.00 (135.70 to 136.70): BM011105.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM011105.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM011105.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM011105.D (-1235) (-)





#23

Nitrobenzene-d5

Concen: 105.498 ng

RT: 8.53 min Scan# 976

Delta R.T. -0.01 min

Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

Instrument :

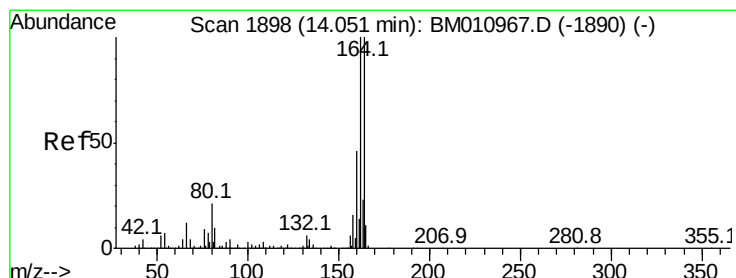
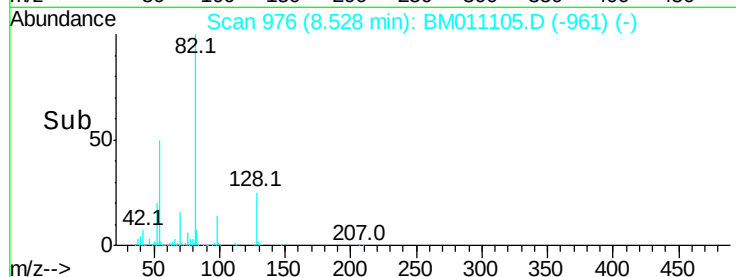
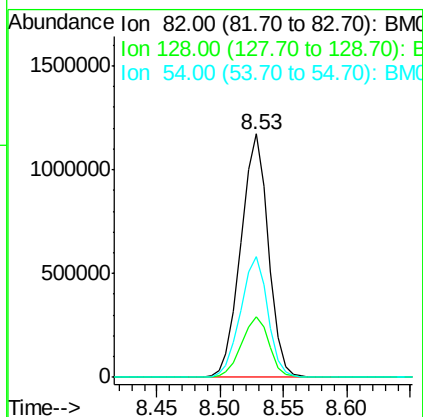
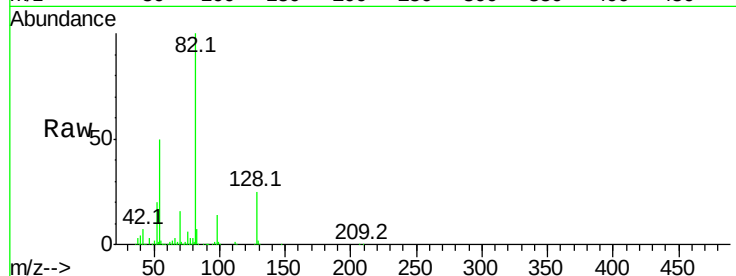
BNA\_M

ClientSampleId :

72-11942

Tot Ion: 82 Resp: 1761026

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 25.0  | 32.8  | 49.2# |
| 54  | 49.7  | 40.6  | 60.8  |



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1913

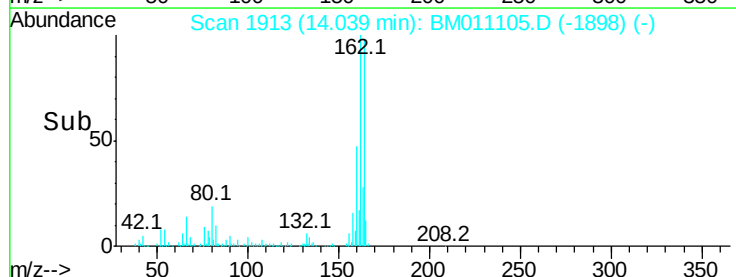
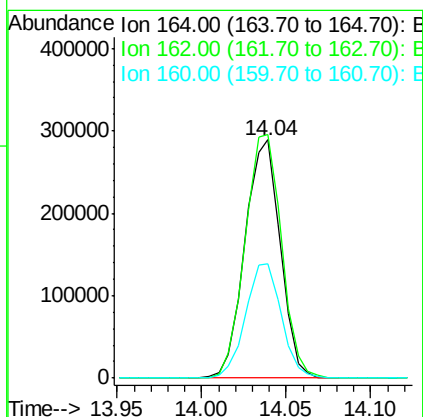
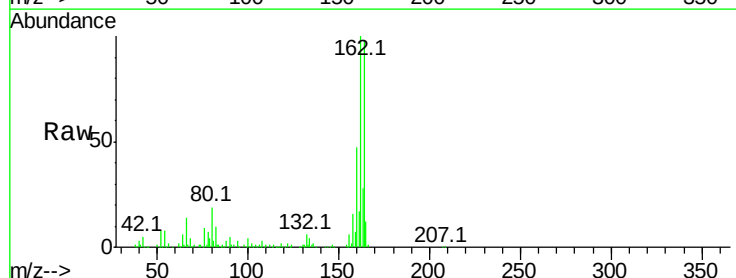
Delta R.T. -0.01 min

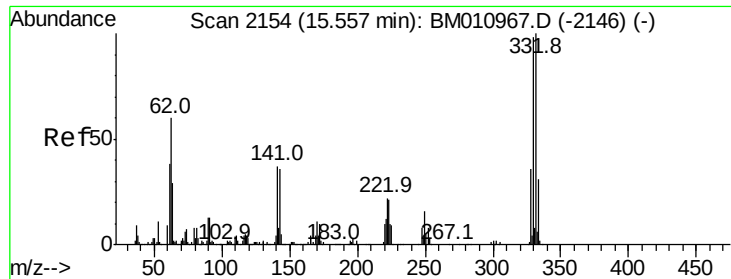
Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

Tgt Ion:164 Resp: 421076

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.3 | 82.4  | 123.6 |
| 160 | 48.2  | 35.8  | 53.6  |





#41

2,4,6-Tribromophenol

Concen: 148.022 ng

RT: 15.54 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

Instrument :

BNA\_M

ClientSampled :

72-11942

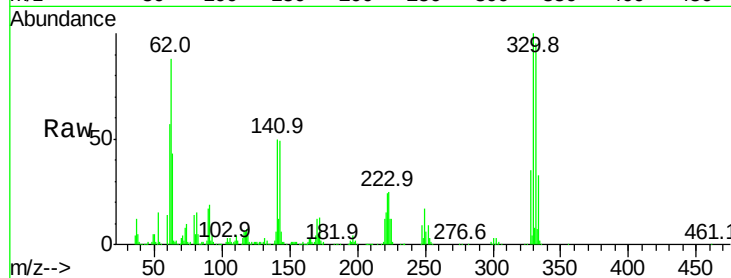
Tot Ion:330 Resp: 998997

Ion Ratio Lower Upper

330 100

332 96.1 0.0 0.0#

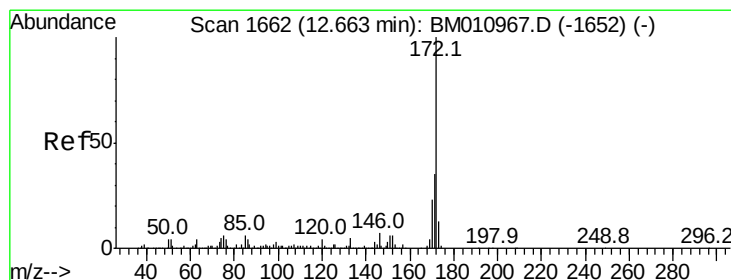
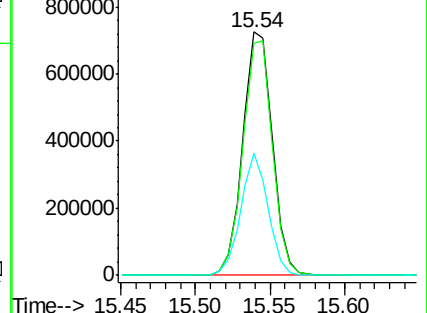
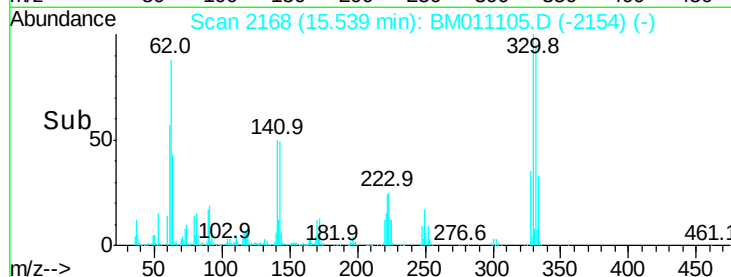
141 46.1 0.0 0.0#



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: 97.818 ng

RT: 12.65 min Scan# 1676

Delta R.T. -0.02 min

Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

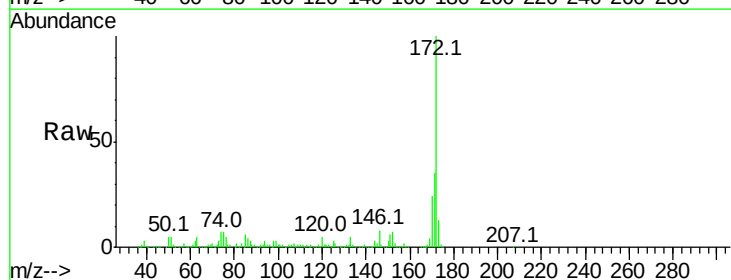
Tgt Ion:172 Resp: 3284243

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

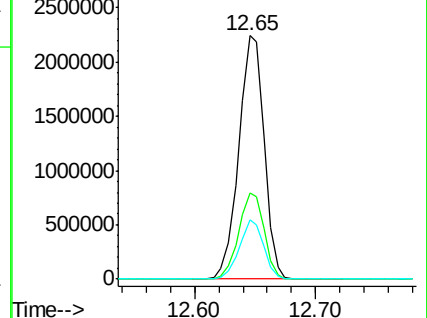
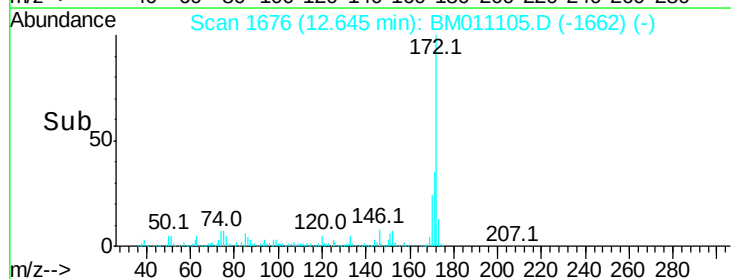
170 24.1 18.8 28.2

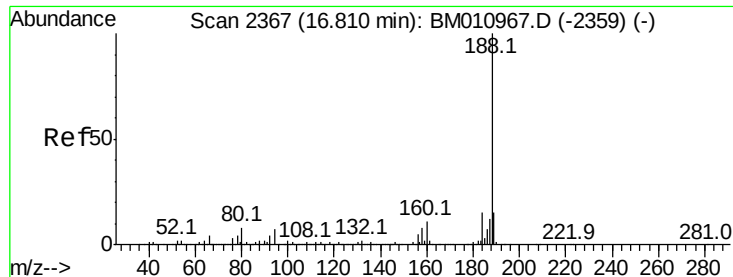


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

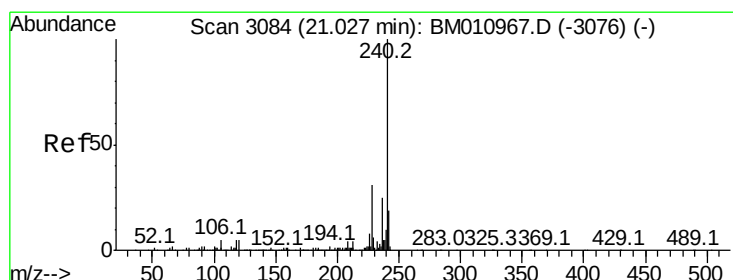
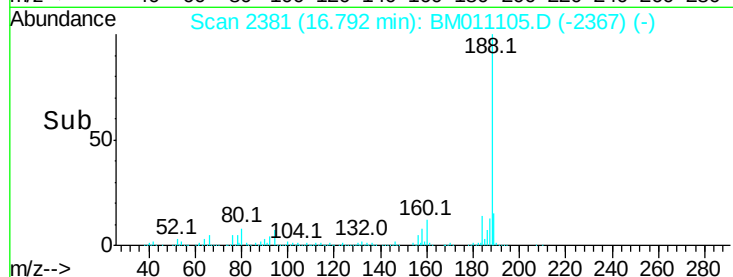
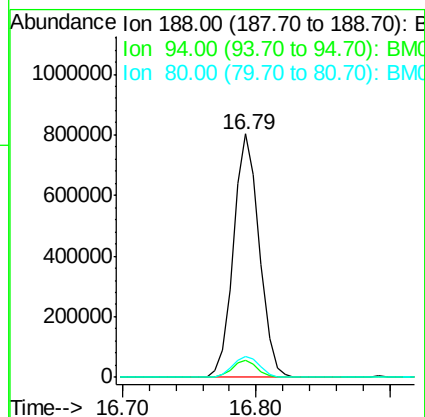
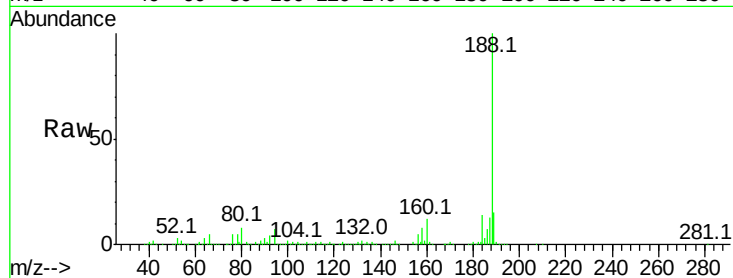




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.79 min Scan# 2381  
Delta R.T. -0.02 min  
Lab File: BM011105.D  
Acq: 03 Aug 2017 01:09

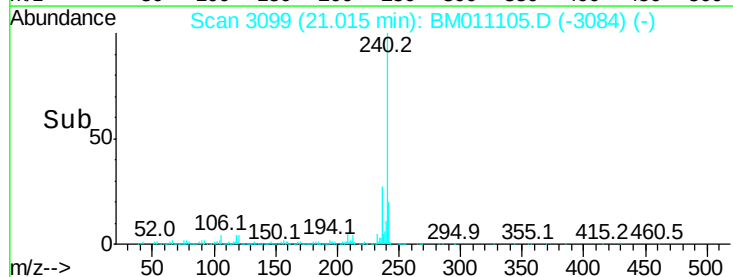
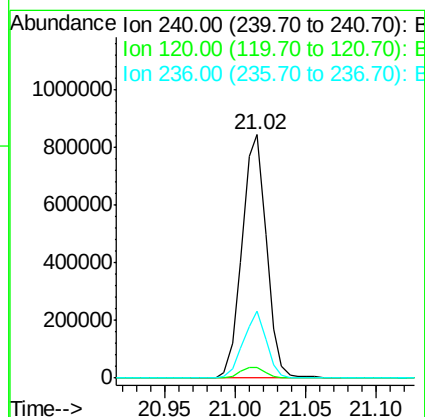
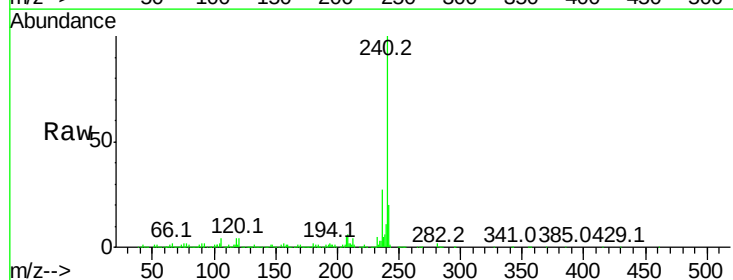
Instrument :  
BNA\_M  
ClientSampled :  
72-11942

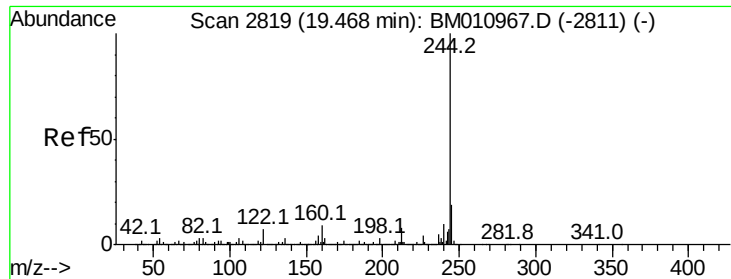
Tot Ion:188 Resp: 1081290  
Ion Ratio Lower Upper  
188 100  
94 7.0 8.7 13.1#  
80 8.4 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.02 min Scan# 3099  
Delta R.T. -0.01 min  
Lab File: BM011105.D  
Acq: 03 Aug 2017 01:09

Tgt Ion:240 Resp: 1021082  
Ion Ratio Lower Upper  
240 100  
120 4.2 8.2 12.2#  
236 27.4 20.0 30.0





#78

Terphenyl-d14

Concen: 96.720 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

Instrument :

BNA\_M

ClientSampleId :

72-11942

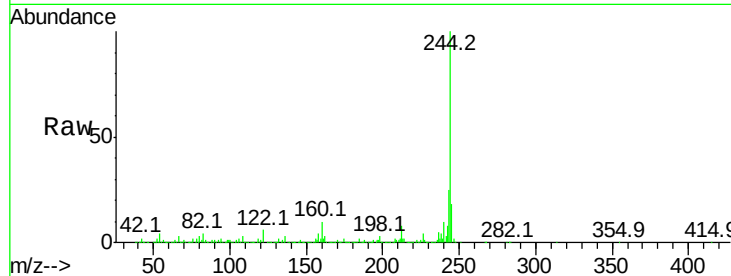
Tot Ion:244 Resp: 4985639

Ion Ratio Lower Upper

244 100

212 8.4 4.9 7.3#

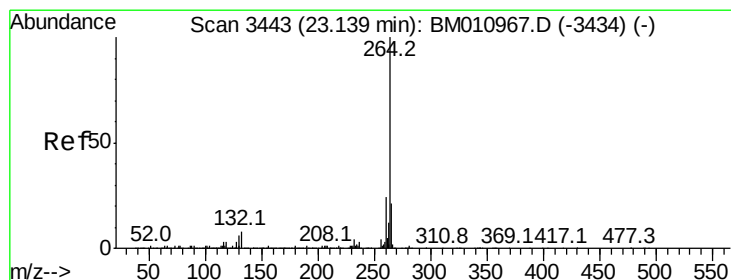
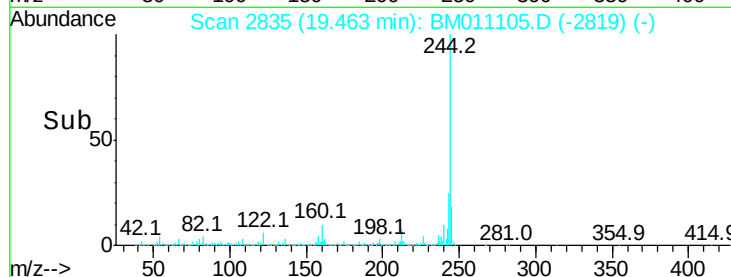
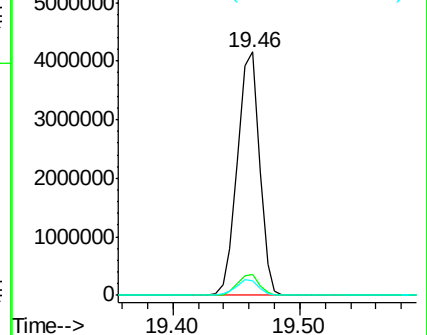
122 5.8 6.2 9.4#



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: 23.12 min Scan# 3457

Delta R.T. -0.02 min

Lab File: BM011105.D

Acq: 03 Aug 2017 01:09

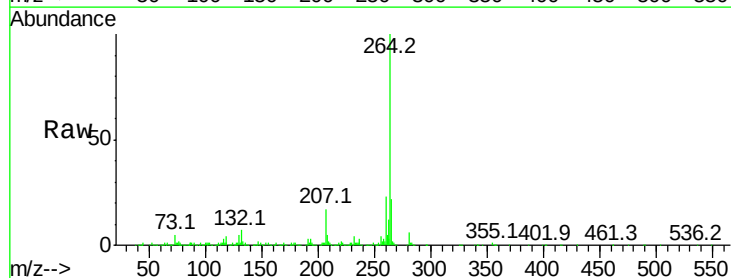
Tgt Ion:264 Resp: 934698

Ion Ratio Lower Upper

264 100

260 22.5 18.6 27.8

265 21.5 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

