

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072717\  
 Data File : BM011011.D  
 Acq On : 27 Jul 2017 15:24  
 Operator : SJ/JU  
 Sample : I4422-11  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-12018-COMP

Quant Time: Jul 28 03:24:33 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  | 151757   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.15 | 136  | 550800   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.04 | 164  | 323904   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.80 | 188  | 845131   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.02 | 240  | 768924   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.13 | 264  | 646653   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 1119927  | 124.75 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 1351503  | 105.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1377586  | 93.87  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.55 | 330  | 750114   | 144.49 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.66 | 172  | 2553532  | 98.87  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.47 | 244  | 3677733  | 94.74  | ng    | 0.00     |

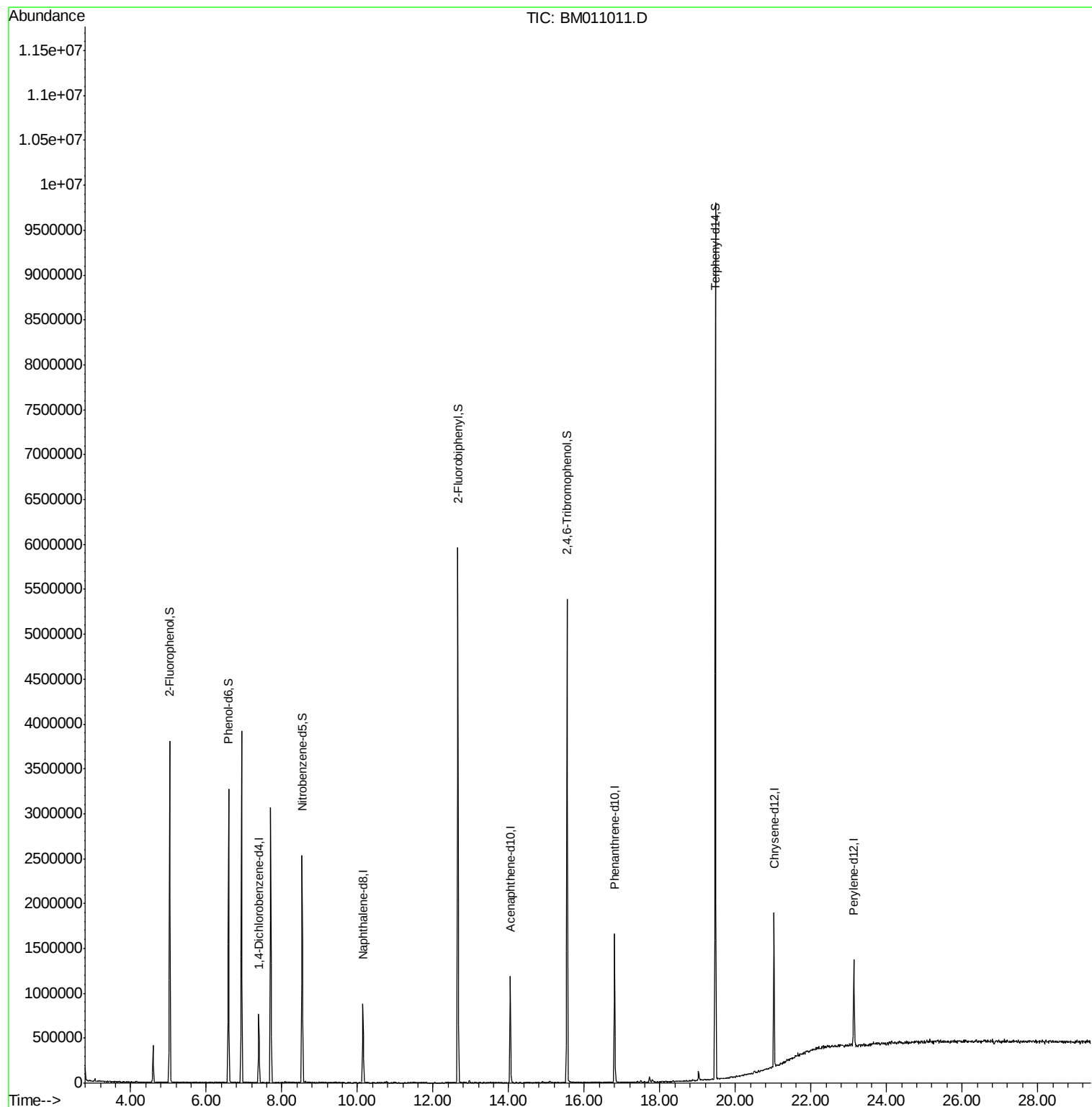
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

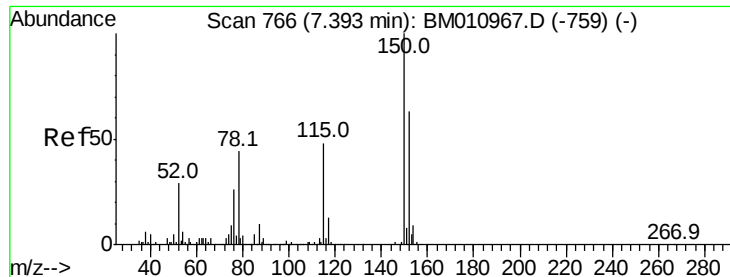
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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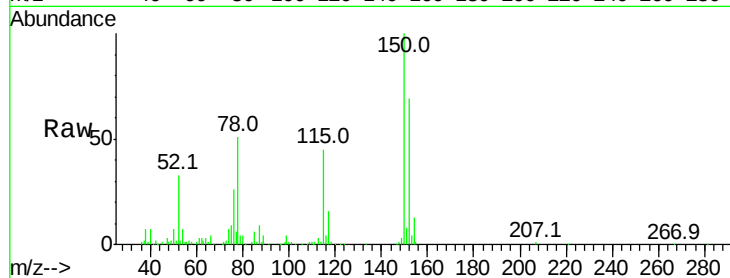


#1

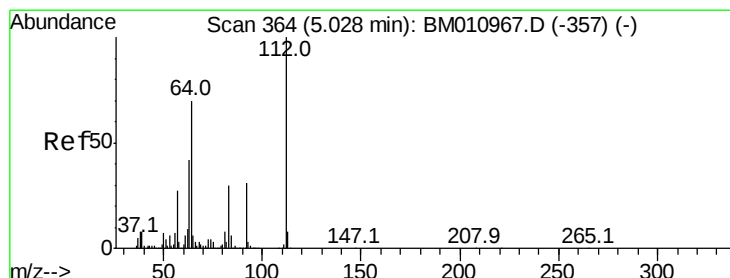
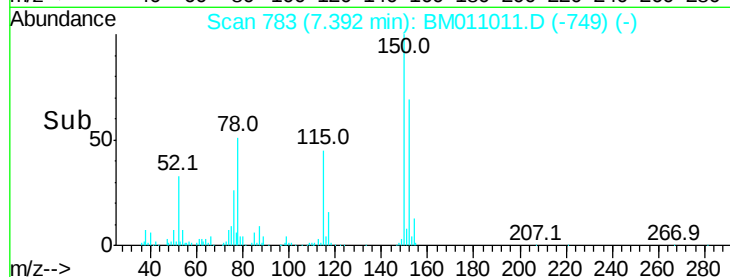
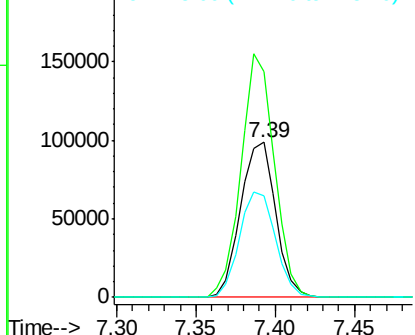
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BM011011.D  
Acq: 27 Jul 2017 15:24

Instrument :  
BNA\_M  
ClientSampleId :  
72-12018-COMP

Tot Ion:152 Resp: 151757  
Ion Ratio Lower Upper  
152 100  
150 145.4 119.5 179.3  
115 65.7 43.0 64.4#



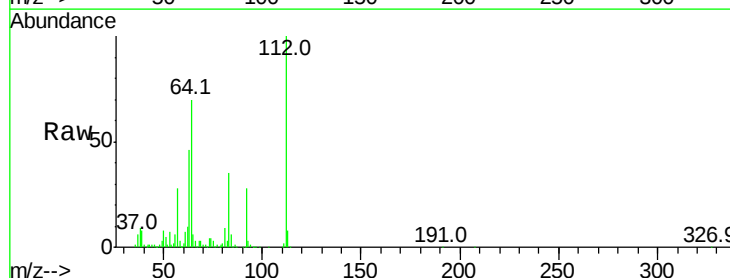
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



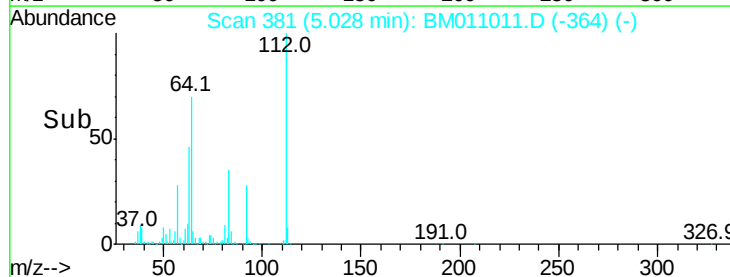
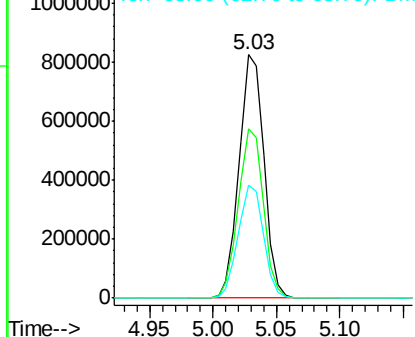
#5

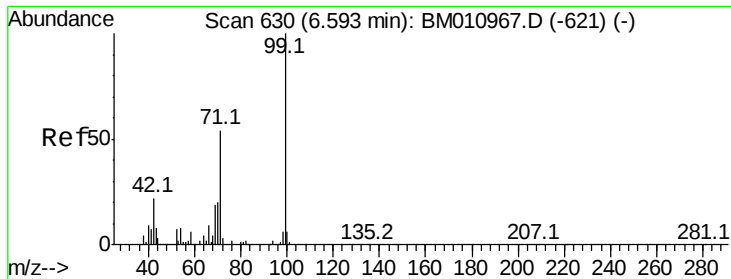
2-Fluorophenol  
Concen: 124.750 ng  
RT: 5.03 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: BM011011.D  
Acq: 27 Jul 2017 15:24

Tgt Ion:112 Resp: 1119927  
Ion Ratio Lower Upper  
112 100  
64 69.8 38.6 57.8#  
63 46.3 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: 105.957 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011011.D

Acq: 27 Jul 2017 15:24

Instrument :

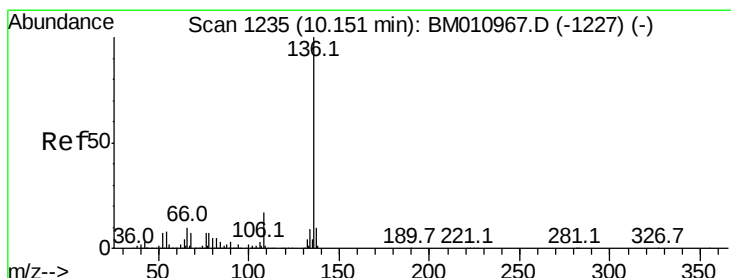
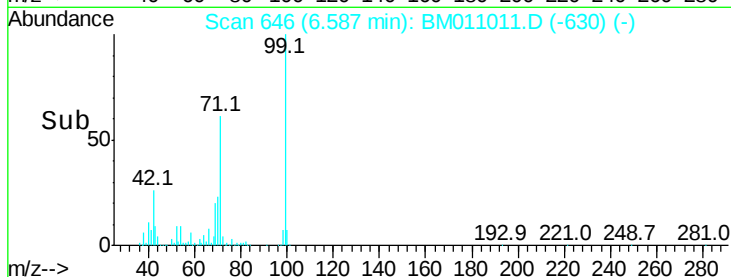
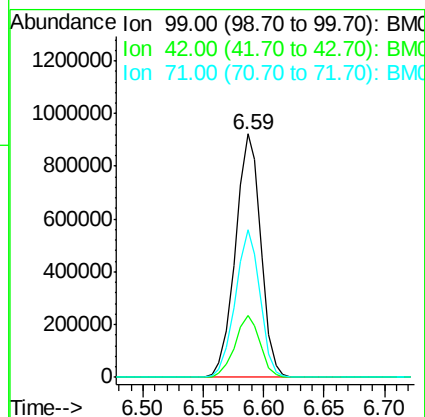
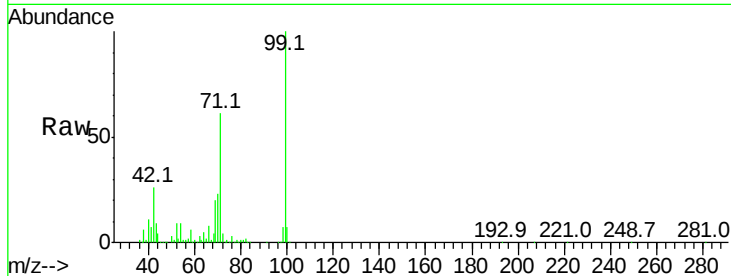
BNA\_M

ClientSampleId :

72-12018-COMP

Tot Ion: 99 Resp: 1351503

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 25.5  | 11.0  | 16.4# |
| 71  | 60.9  | 23.4  | 35.2# |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.15 min Scan# 1251

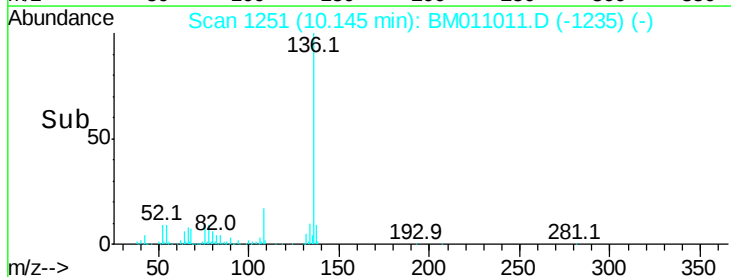
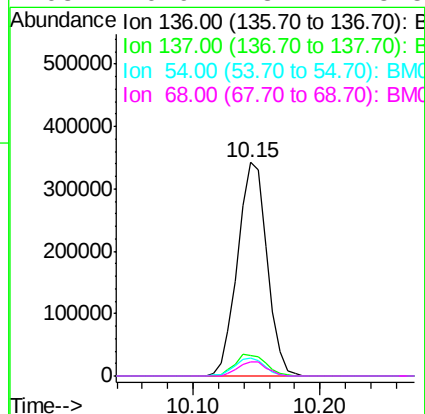
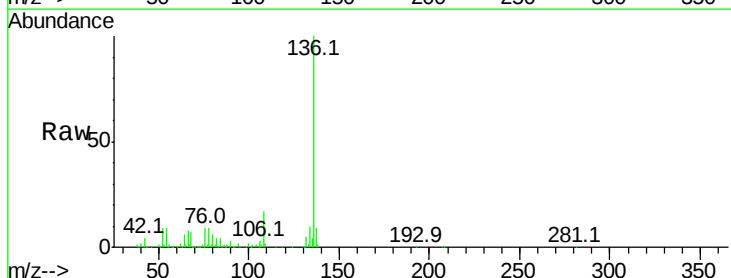
Delta R.T. -0.01 min

Lab File: BM011011.D

Acq: 27 Jul 2017 15:24

Tgt Ion: 136 Resp: 550800

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 9.3   | 8.7   | 13.1  |
| 54  | 8.7   | 4.6   | 6.8#  |
| 68  | 6.9   | 3.7   | 5.5#  |





#23

Nitrobenzene-d5

Concen: 93.869 ng

RT: 8.53 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM011011.D

Acq: 27 Jul 2017 15:24

Instrument :

BNA\_M

ClientSampleId :

72-12018-COMP

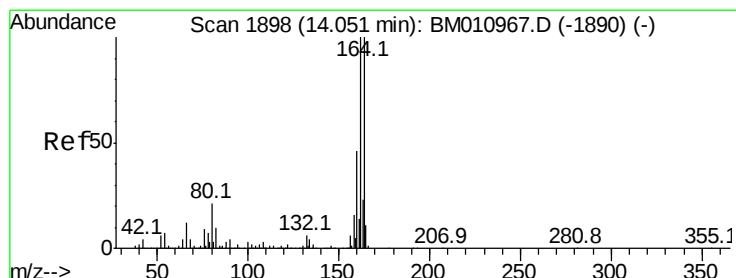
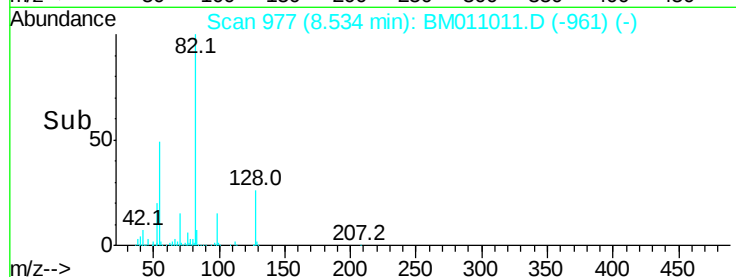
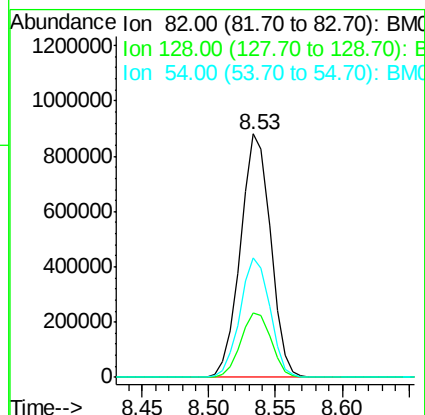
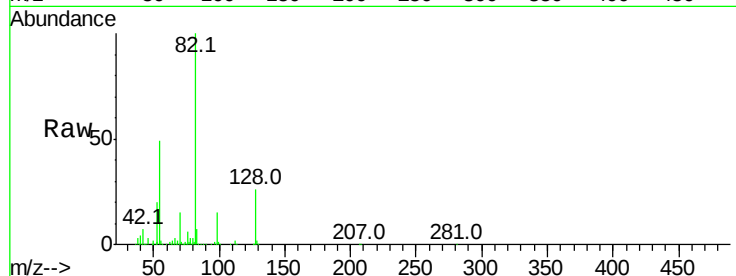
Tot Ion: 82 Resp: 1377586

Ion Ratio Lower Upper

82 100

128 26.4 32.8 49.2#

54 49.1 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: BM011011.D

Acq: 27 Jul 2017 15:24

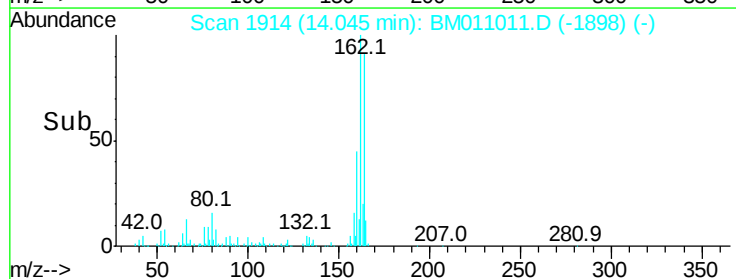
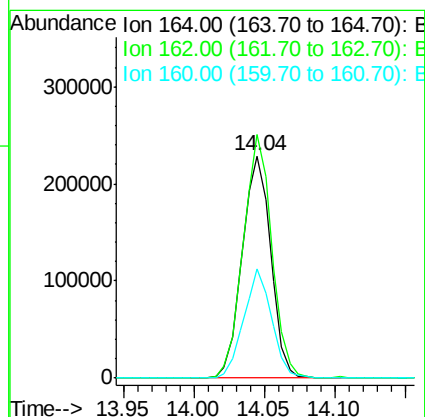
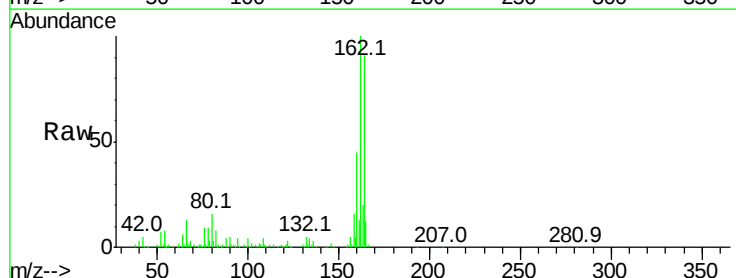
Tgt Ion:164 Resp: 323904

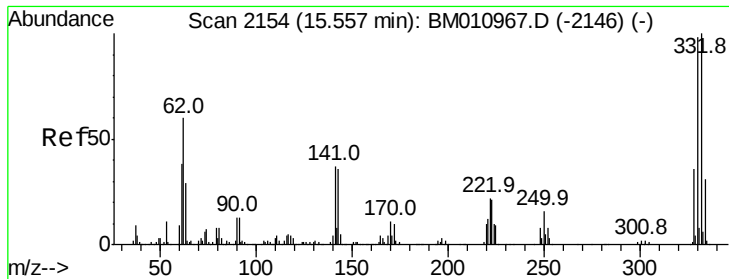
Ion Ratio Lower Upper

164 100

162 109.5 82.4 123.6

160 49.2 35.8 53.6

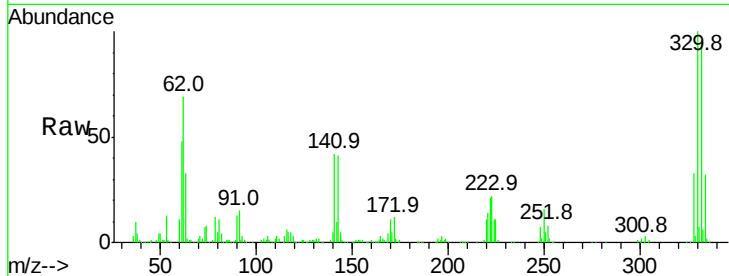




#41  
 2,4,6-Tribromophenol  
 Concen: 144.489 ng  
 RT: 15.55 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM011011.D  
 Acq: 27 Jul 2017 15:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-12018-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 0.0   | 0.0#  |
| 141     | 46.1  | 0.0   | 0.0#  |

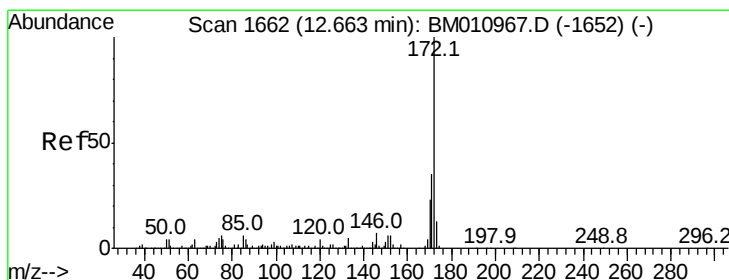
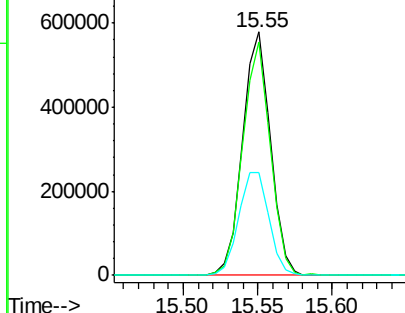
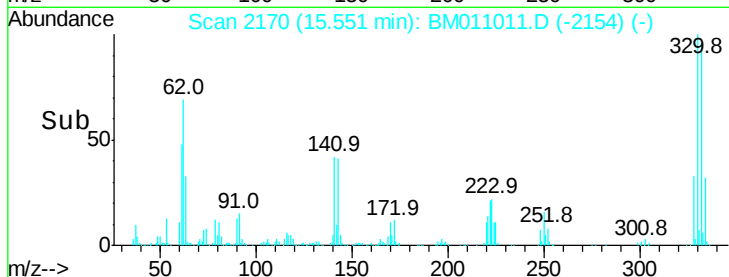


Abundance

Ion 329.80 (329.50 to 330.50): E

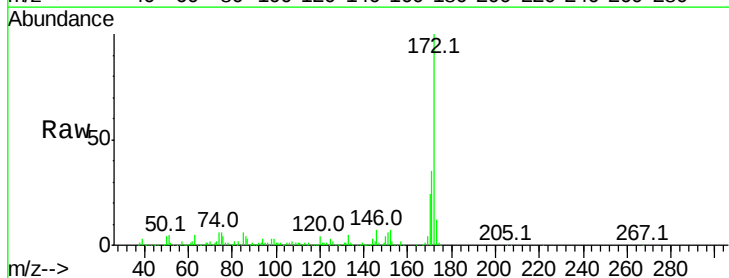
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 98.871 ng  
 RT: 12.66 min Scan# 1678  
 Delta R.T. -0.01 min  
 Lab File: BM011011.D  
 Acq: 27 Jul 2017 15:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 28.5  | 42.7  |
| 170     | 23.8  | 18.8  | 28.2  |

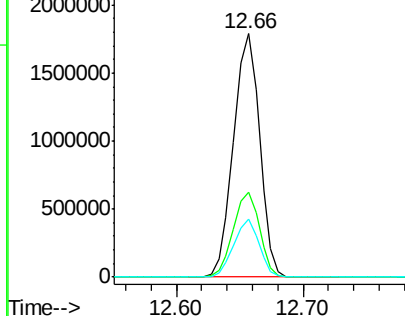
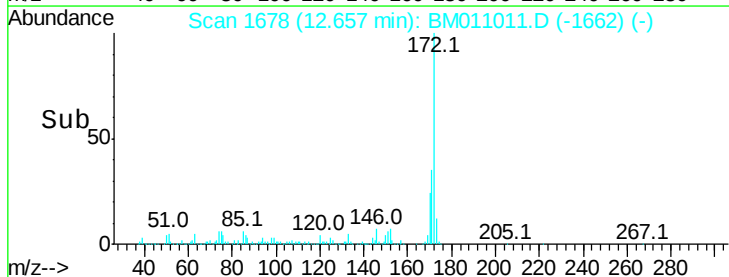


Abundance

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: BM011011.D

Acq: 27 Jul 2017 15:24

Instrument :

BNA\_M

ClientSampleId :

72-12018-COMP

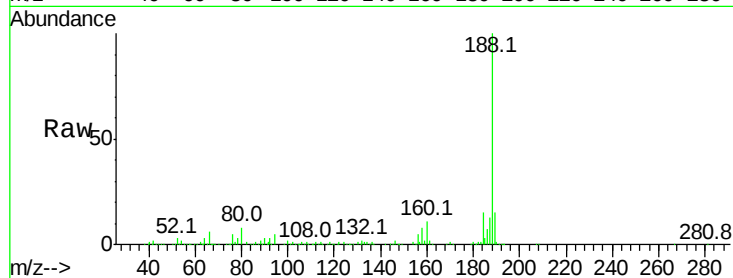
Tot Ion:188 Resp: 845131

Ion Ratio Lower Upper

188 100

94 5.4 8.7 13.1#

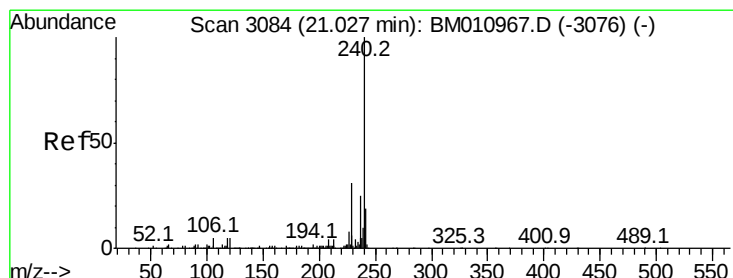
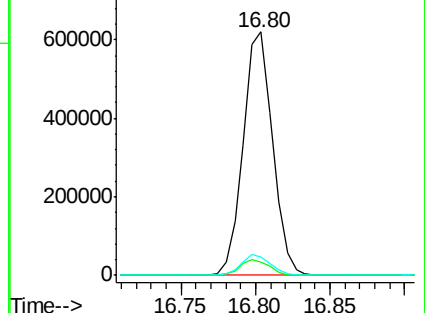
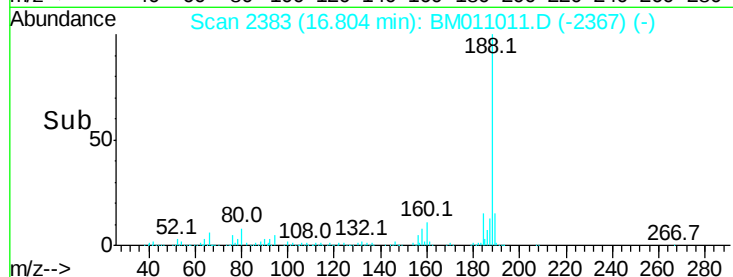
80 7.5 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM011011.D

Acq: 27 Jul 2017 15:24

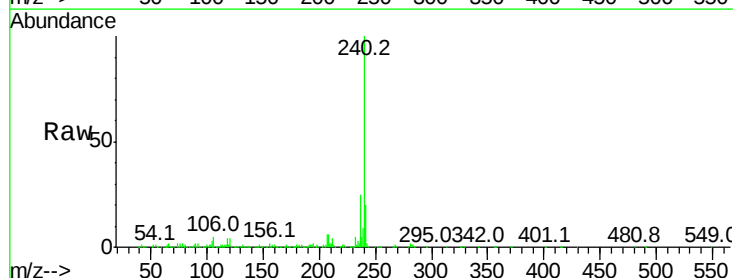
Tgt Ion:240 Resp: 768924

Ion Ratio Lower Upper

240 100

120 4.2 8.2 12.2#

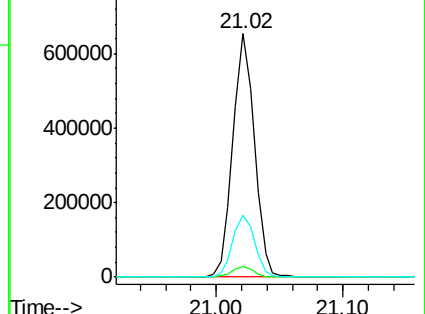
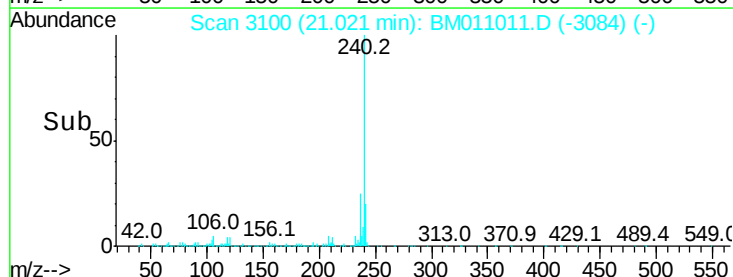
236 25.2 20.0 30.0

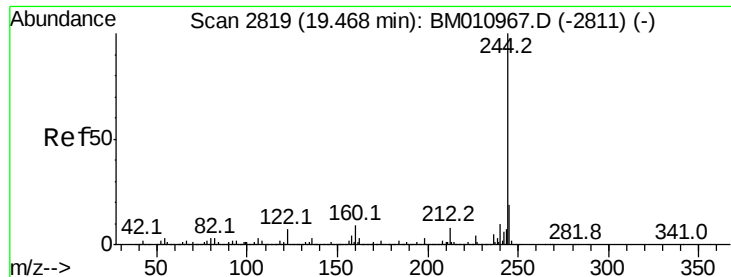


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 94.744 ng

RT: 19.47 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BM011011.D

Acq: 27 Jul 2017 15:24

Instrument :

BNA\_M

ClientSampleId :

72-12018-COMP

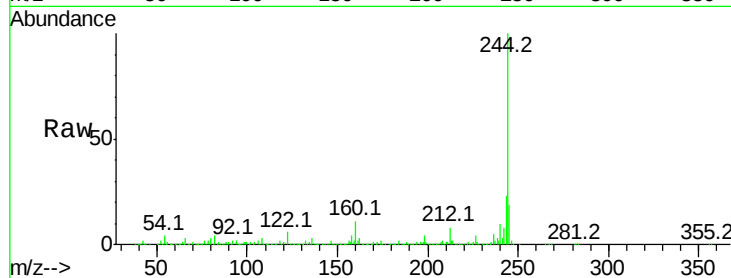
Tot Ion:244 Resp: 3677733

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.3   | 4.9   | 7.3#  |
| 122 | 6.2   | 6.2   | 9.4#  |

244 100

212 8.3 4.9 7.3#

122 6.2 6.2 9.4#

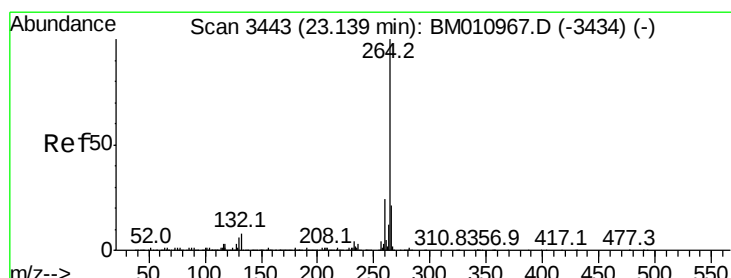
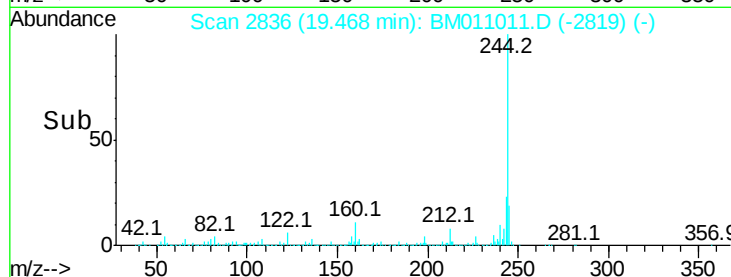
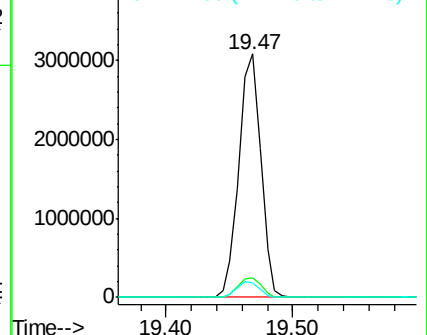


Abundance

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# 3459

Delta R.T. -0.01 min

Lab File: BM011011.D

Acq: 27 Jul 2017 15:24

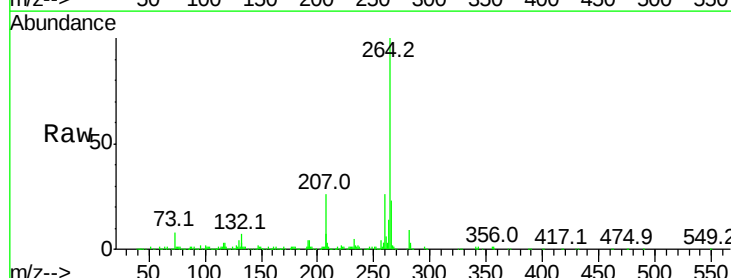
Tgt Ion:264 Resp: 646653

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.6  | 18.6  | 27.8  |
| 265 | 23.4  | 17.3  | 25.9  |

264 100

260 25.6 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

