

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\  
 Data File : BM018737.D  
 Acq On : 07 Feb 2019 14:53  
 Operator : JU/SJ  
 Sample : K1389-15  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M-5-D

Quant Time: Feb 08 10:05:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 04 15:10:38 2019  
 Response via : Initial Calibration

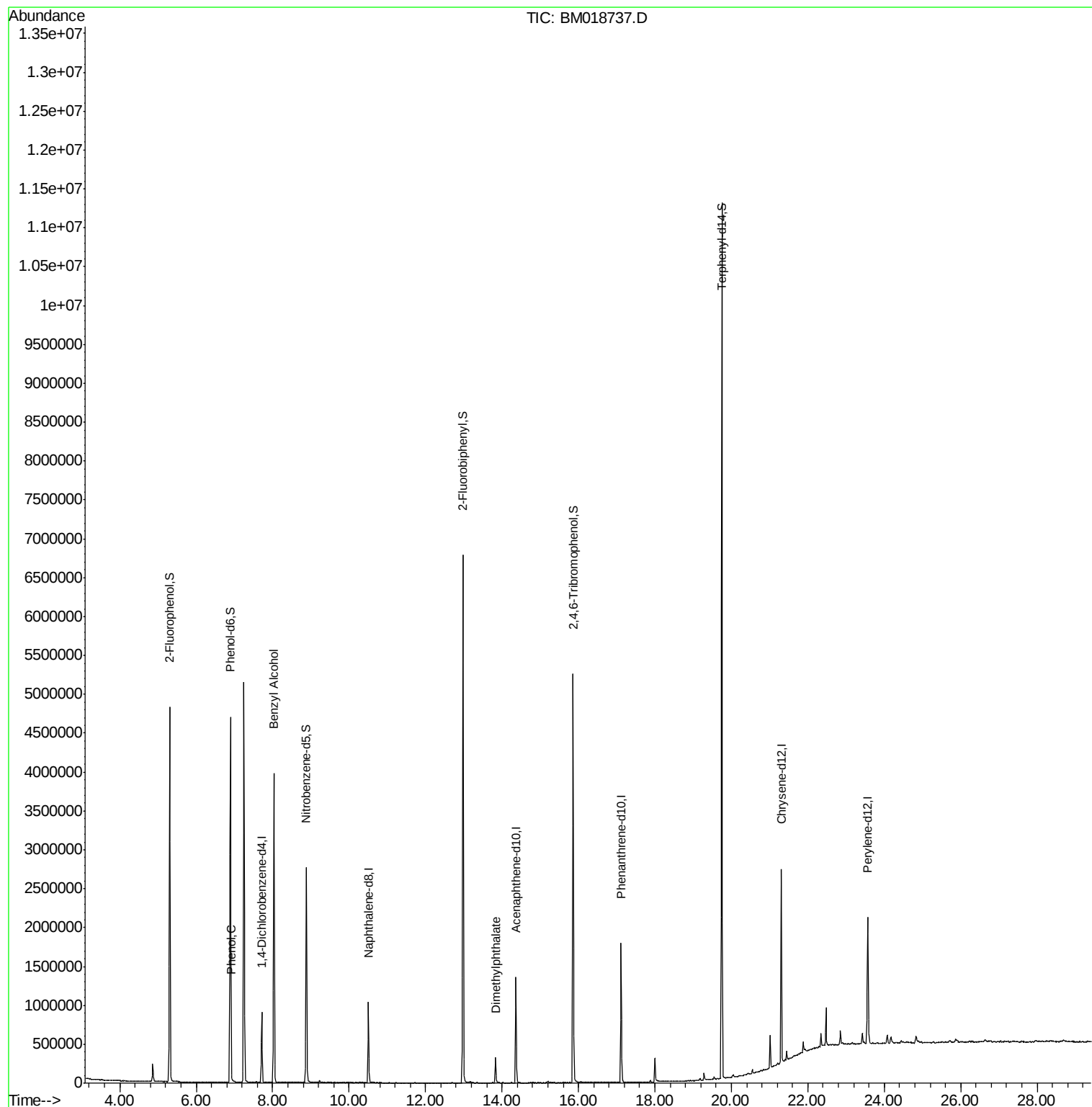
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 236617   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.50 | 136  | 882211   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.36 | 164  | 455378   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.12 | 188  | 1026313  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.31 | 240  | 1113345  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.57 | 264  | 1153198  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.31  | 112  | 2048435  | 159.85 | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 2574288  | 158.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.88  | 82   | 1546330  | 101.61 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.86 | 330  | 947991   | 163.50 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.98 | 172  | 3393044  | 97.23  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.75 | 244  | 5041914  | 95.46  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.92  | 94   | 47012    | 2.84   | ng    | 89       |
| 15) Benzyl Alcohol          | 8.03  | 79   | 26695    | 2.27   | ng    | # 47     |
| 50) Dimethylphthalate       | 13.83 | 163  | 238517   | 6.38   | ng    | 99       |

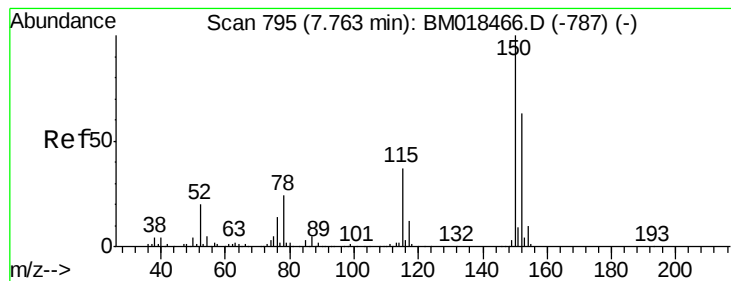
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 07 Feb 2019 14:53  
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Sample : K1389-15  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
M-5-D

Quant Time: Feb 08 10:05:20 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 04 15:10:38 2019  
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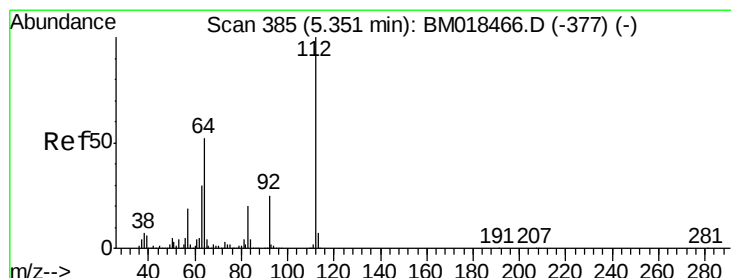
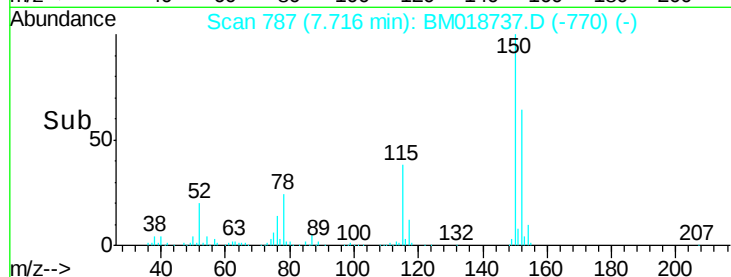
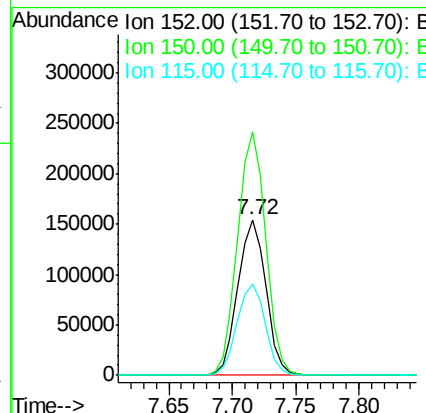
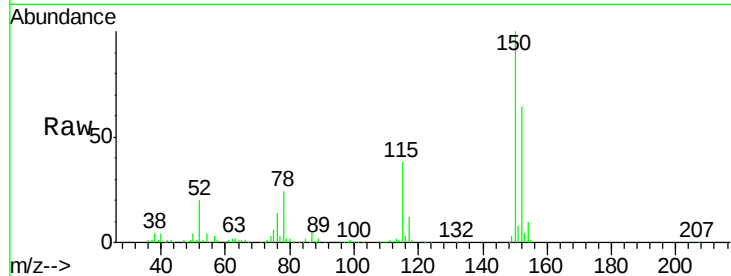


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BM018737.D  
Acq: 07 Feb 2019 14:53

Instrument :  
BNA\_M  
ClientSampled :  
M-5-D

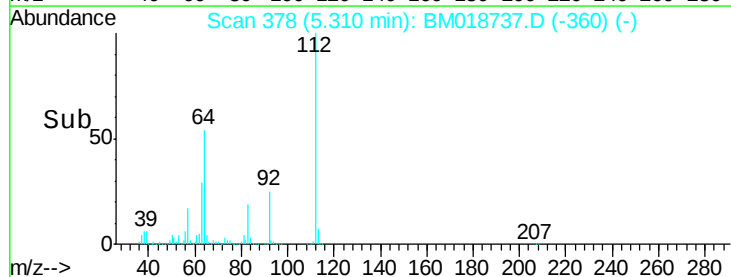
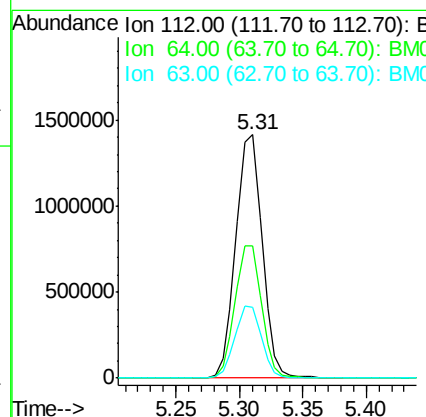
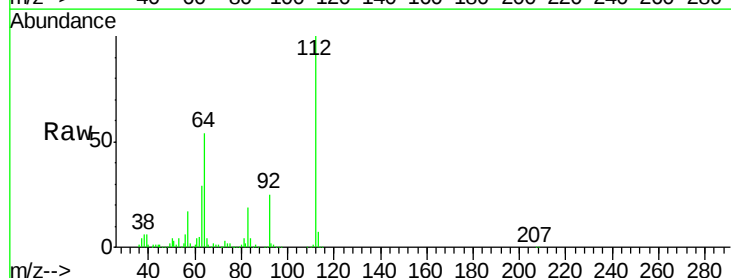
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.5 | 126.9 | 190.3 |
| 115     | 58.8  | 45.5  | 68.3  |

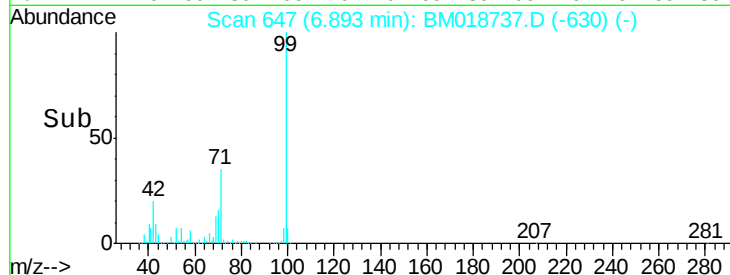
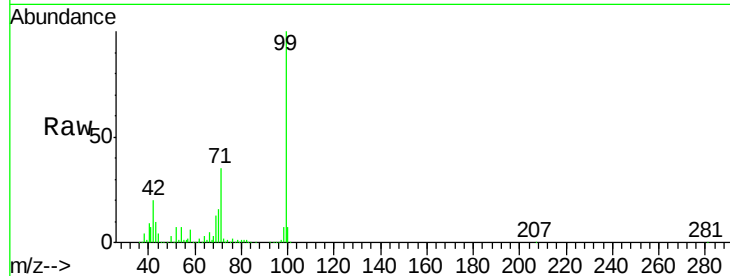
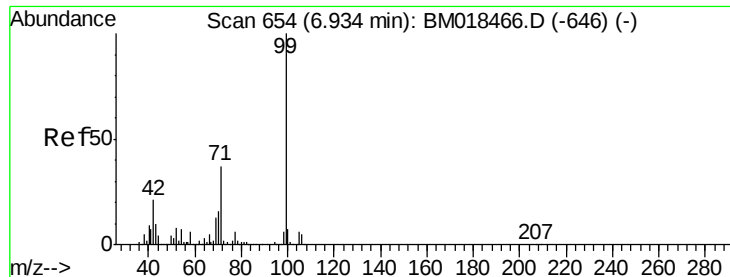


#5

2-Fluorophenol  
Concen: 159.85 ng  
RT: 5.31 min Scan# 378  
Delta R.T. 0.01 min  
Lab File: BM018737.D  
Acq: 07 Feb 2019 14:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.2  | 46.5  | 69.7  |
| 63      | 28.9  | 25.2  | 37.8  |





#7

Phenol-d6

Concen: 158.17 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM018737.D

Acq: 07 Feb 2019 14:53

Instrument :

BNA\_M

ClientSampleId :

M-5-D

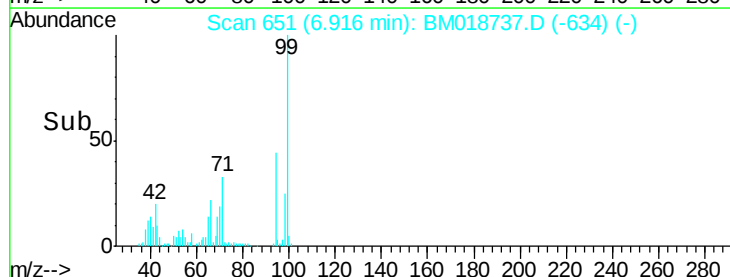
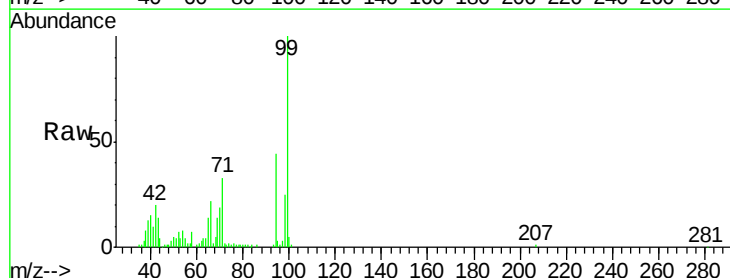
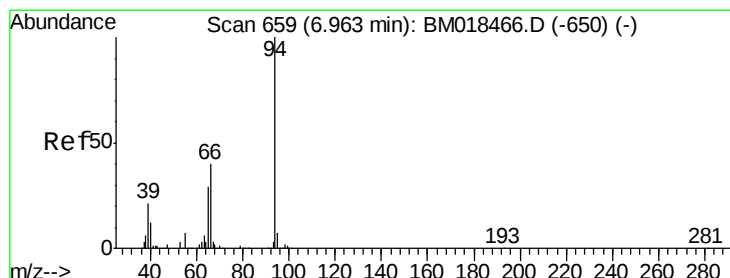
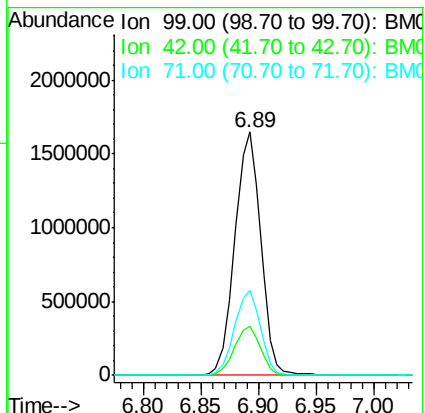
Tot Ion: 99 Resp: 2574288

Ion Ratio Lower Upper

99 100

42 20.0 17.3 25.9

71 35.0 28.0 42.0



#10

Phenol

Concen: 2.84 ng

RT: 6.92 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM018737.D

Acq: 07 Feb 2019 14:53

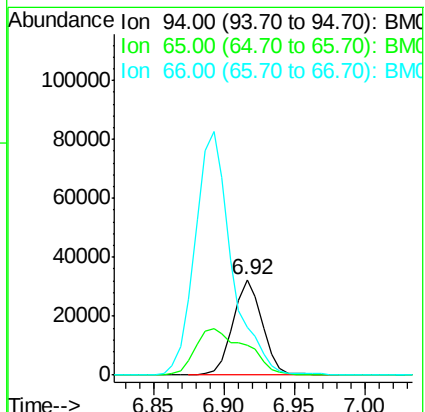
Tgt Ion: 94 Resp: 47012

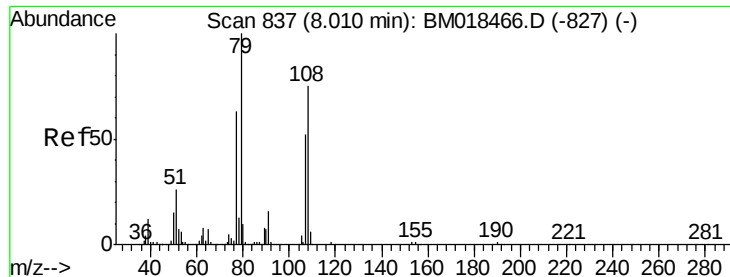
Ion Ratio Lower Upper

94 100

65 31.1 9.4 49.4

66 49.8 19.1 59.1





#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 8.03 min Scan# 841

Delta R.T. 0.06 min

Lab File: BM018737.D

Acq: 07 Feb 2019 14:53

Instrument :

BNA\_M

ClientSampled :

M-5-D

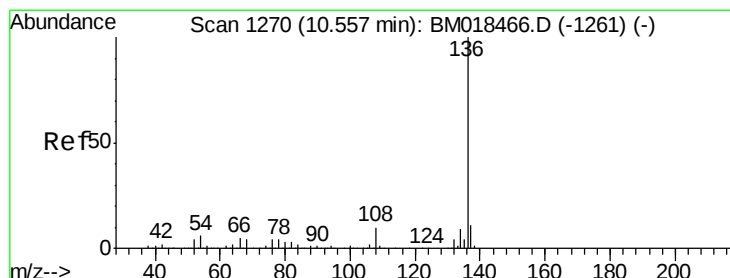
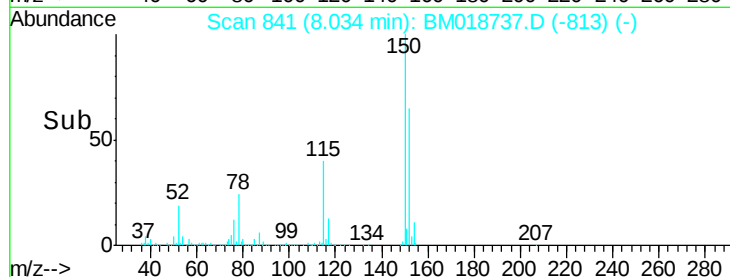
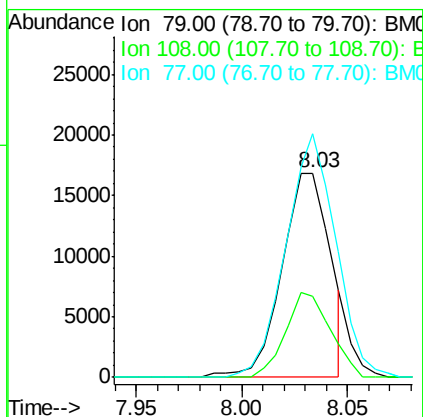
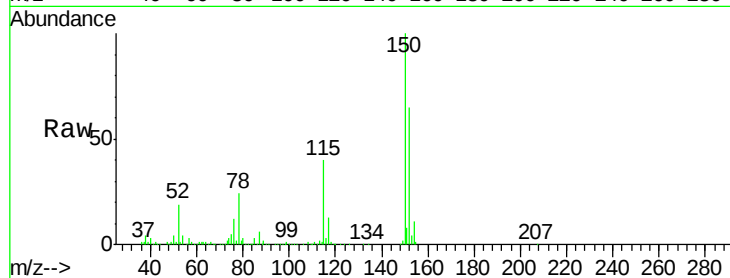
Tot Ion: 79 Resp: 26695

Ion Ratio Lower Upper

79 100

108 40.1 60.4 90.6#

77 119.4 53.4 80.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM018737.D

Acq: 07 Feb 2019 14:53

Tgt Ion: 136 Resp: 882211

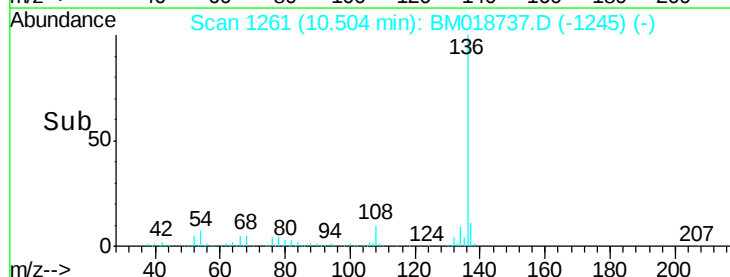
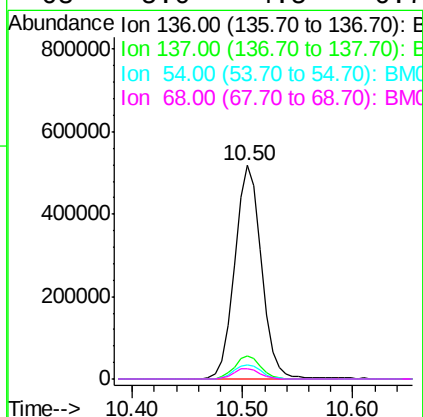
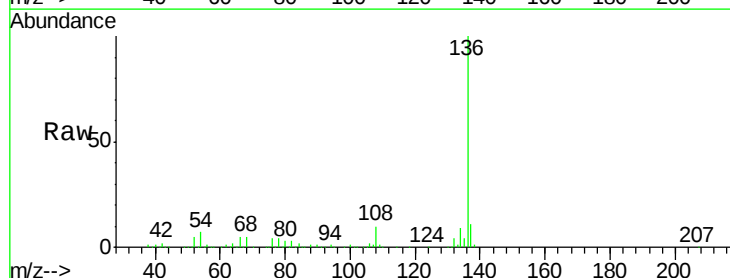
Ion Ratio Lower Upper

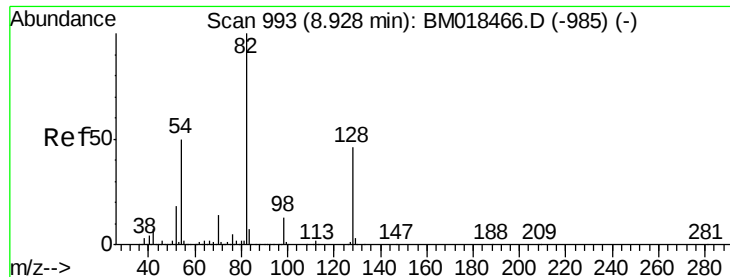
136 100

137 10.8 8.5 12.7

54 6.7 6.0 9.0

68 5.0 4.5 6.7



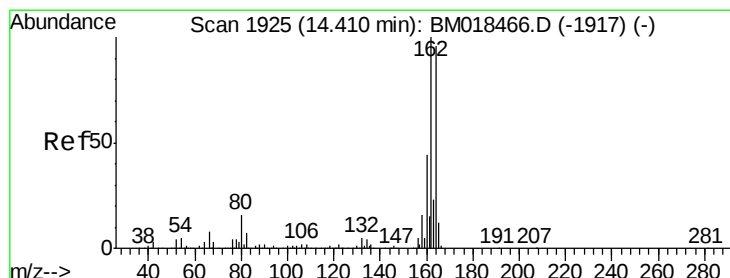
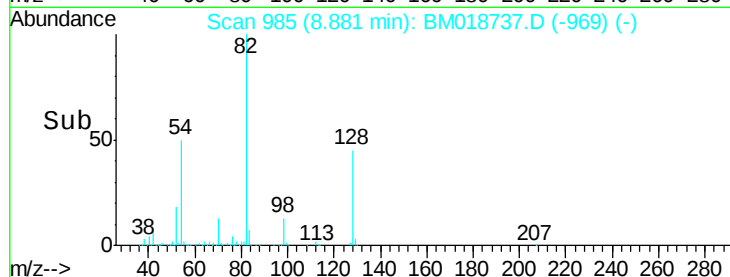
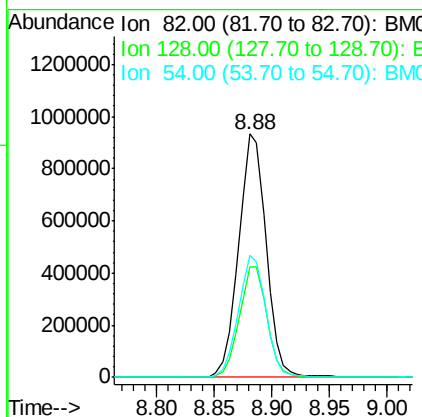
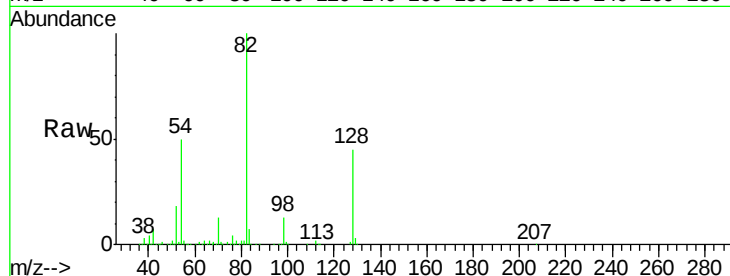


#23  
 Nitrobenzene-d5  
 Concen: 101.61 ng  
 RT: 8.88 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: BM018737.D  
 Acq: 07 Feb 2019 14:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M-5-D

Tot Ion: 82 Resp: 1546330  

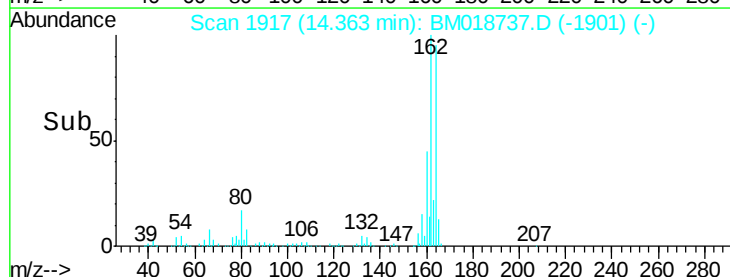
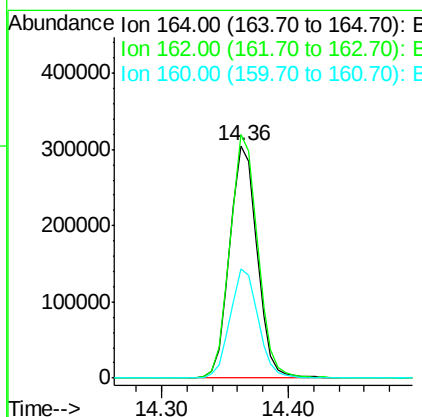
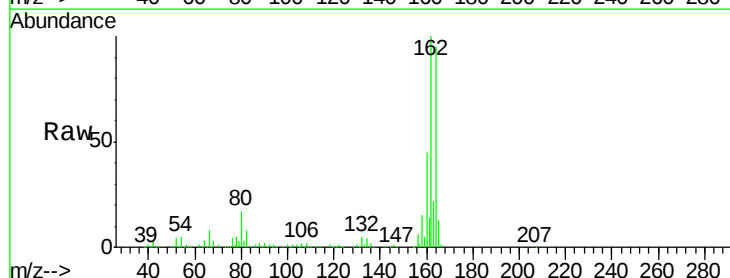
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.4  | 36.3  | 54.5  |
| 54  | 49.9  | 41.7  | 62.5  |

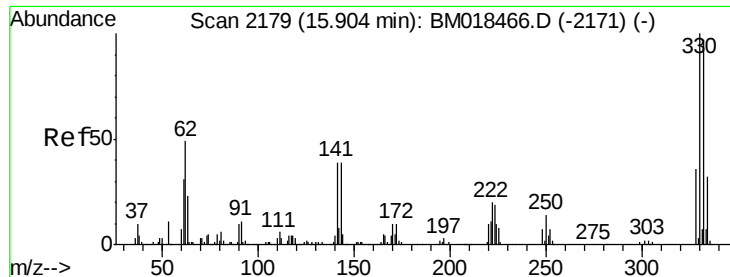


#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.36 min Scan# 1917  
 Delta R.T. -0.01 min  
 Lab File: BM018737.D  
 Acq: 07 Feb 2019 14:53

Tgt Ion: 164 Resp: 455378  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.8 | 83.0  | 124.4 |
| 160 | 47.0  | 37.1  | 55.7  |

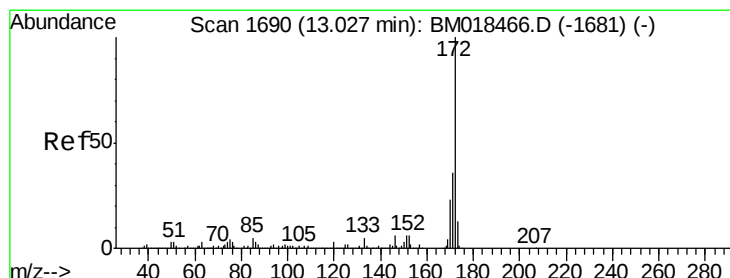
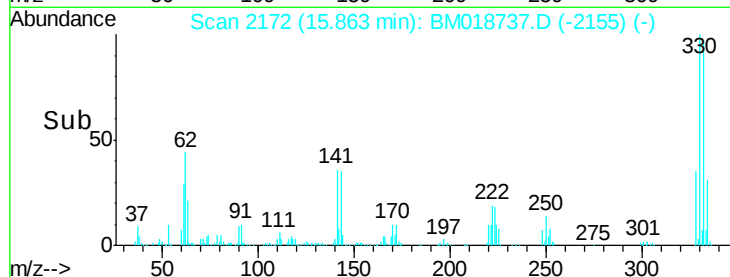
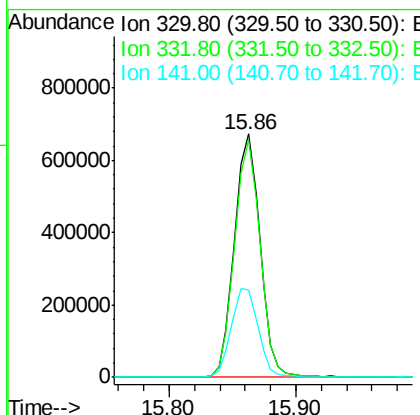
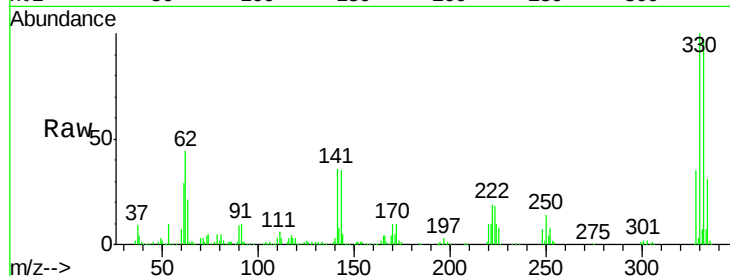




#42  
 2,4,6-Tribromophenol  
 Concen: 163.50 ng  
 RT: 15.86 min Scan# 2172  
 Delta R.T. 0.00 min  
 Lab File: BM018737.D  
 Acq: 07 Feb 2019 14:53

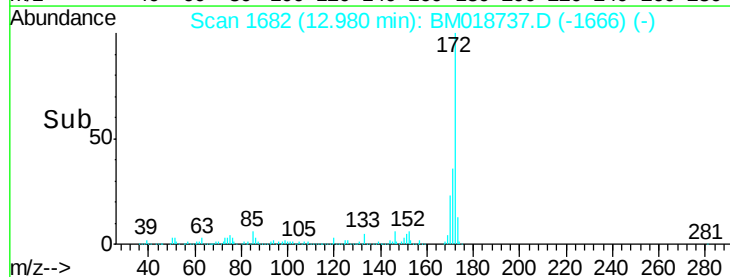
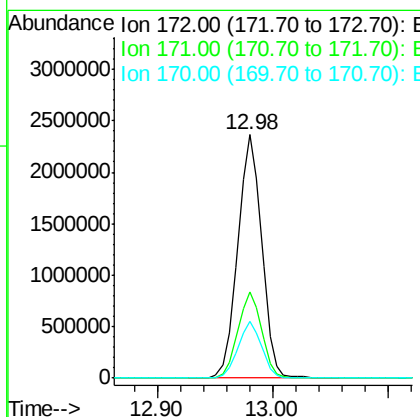
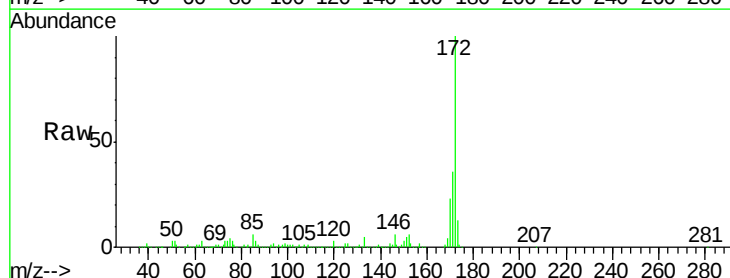
Instrument :  
 BNA\_M  
 ClientSampled :  
 M-5-D

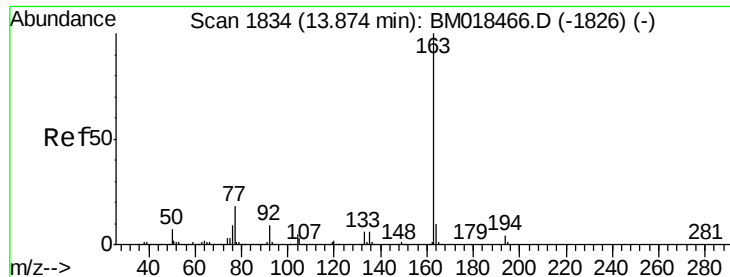
Tot Ion:330 Resp: 947991  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.6 116.4  
 141 38.1 31.7 47.5



#45  
 2-Fluorobiphenyl  
 Concen: 97.23 ng  
 RT: 12.98 min Scan# 1682  
 Delta R.T. -0.01 min  
 Lab File: BM018737.D  
 Acq: 07 Feb 2019 14:53

Tgt Ion:172 Resp: 3393044  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.2 42.4  
 170 23.1 18.9 28.3

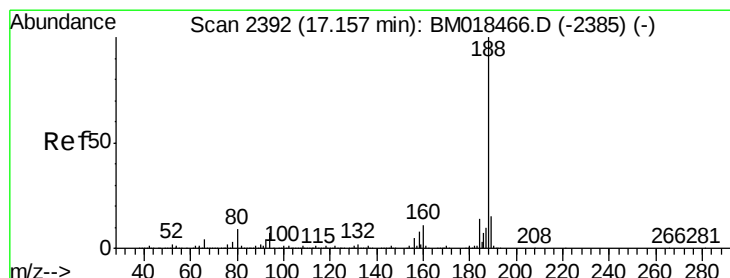
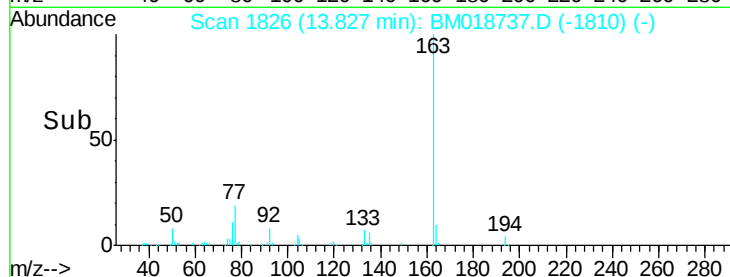
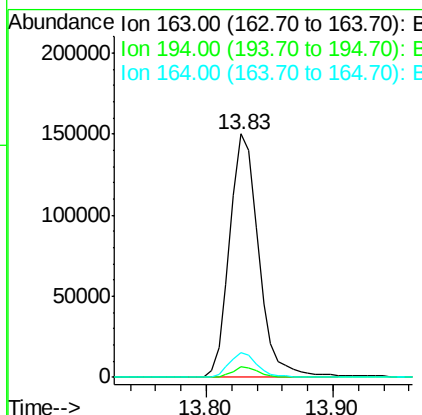
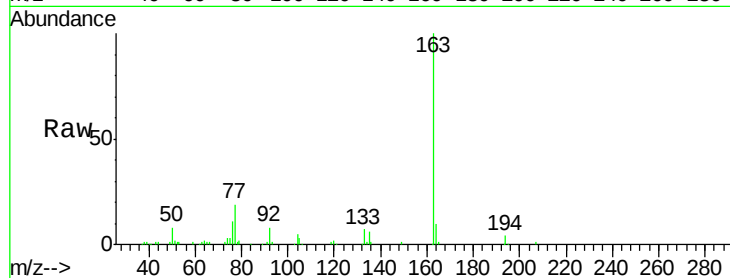




#50  
Dimethylphthalate  
Concen: 6.38 ng  
RT: 13.83 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BM018737.D  
Acq: 07 Feb 2019 14:53

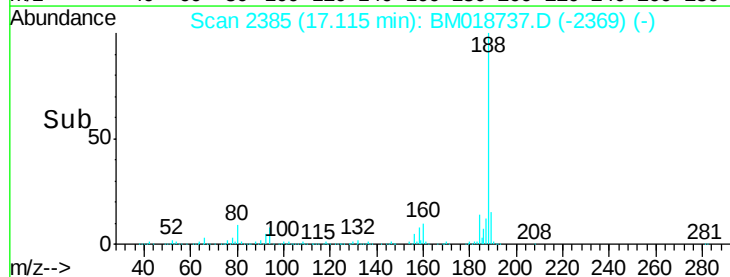
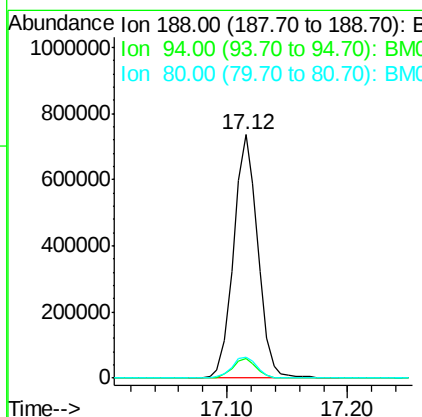
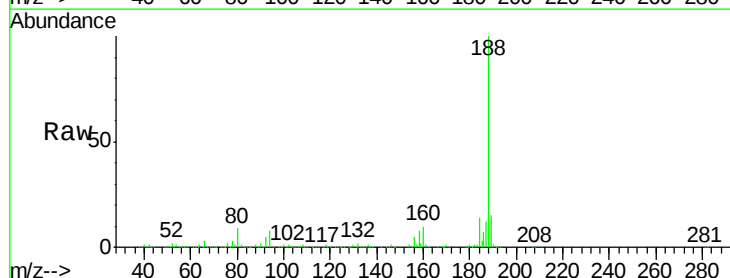
Instrument :  
BNA\_M  
ClientSampleId :  
M-5-D

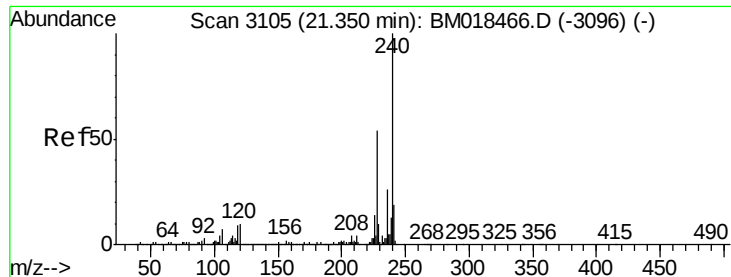
Tot Ion:163 Resp: 238517  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.0 4.6  
164 10.2 7.8 11.8



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.12 min Scan# 2385  
Delta R.T. -0.01 min  
Lab File: BM018737.D  
Acq: 07 Feb 2019 14:53

Tgt Ion:188 Resp: 1026313  
Ion Ratio Lower Upper  
188 100  
94 7.8 7.1 10.7  
80 8.7 7.6 11.4





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM018737.D

Acq: 07 Feb 2019 14:53

Instrument :

BNA\_M

ClientSampleId :

M-5-D

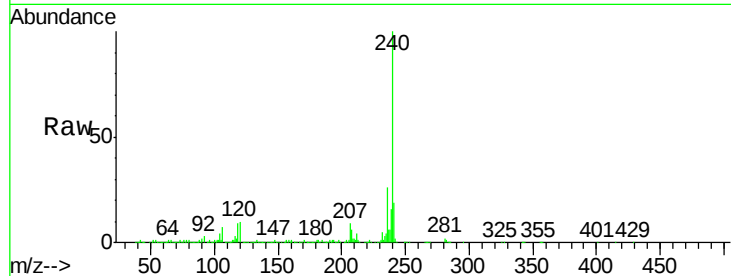
Tot Ion:240 Resp: 1113345

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

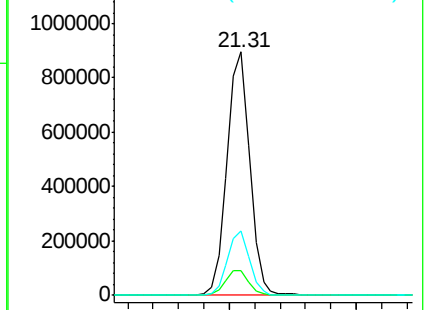
236 26.2 20.7 31.1



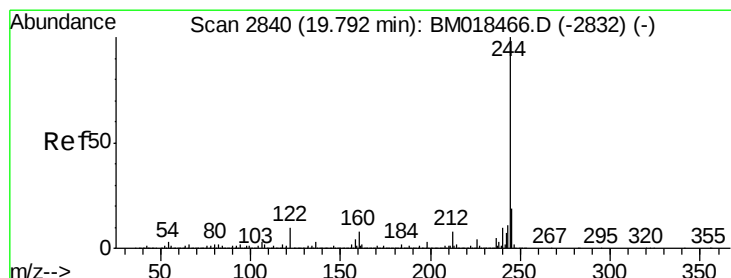
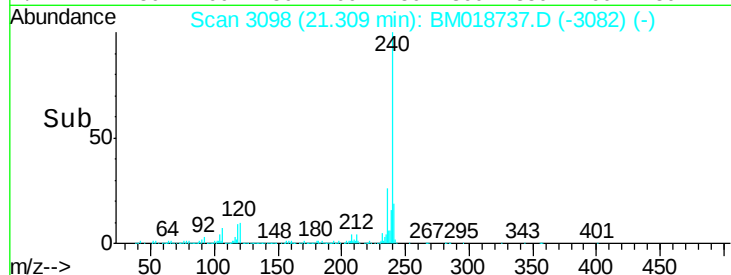
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#79

Terphenyl-d14

Concen: 95.46 ng

RT: 19.75 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM018737.D

Acq: 07 Feb 2019 14:53

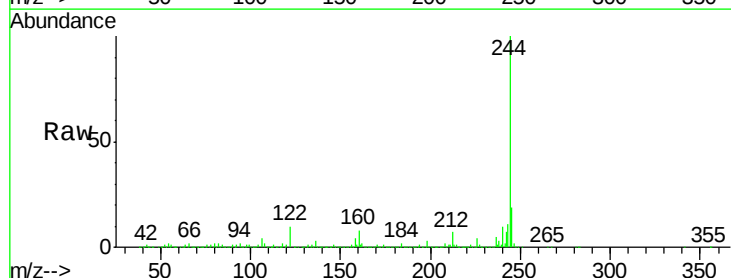
Tgt Ion:244 Resp: 5041914

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

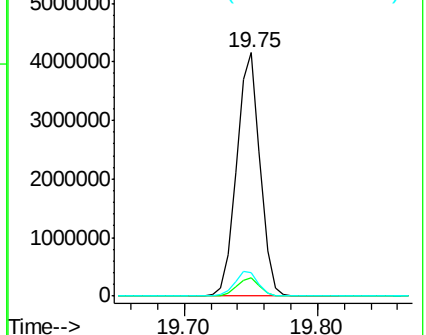
122 9.8 9.0 13.4



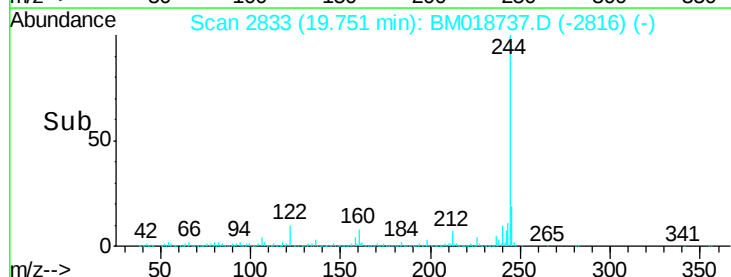
Abundance Ion 244.00 (243.70 to 244.70): E

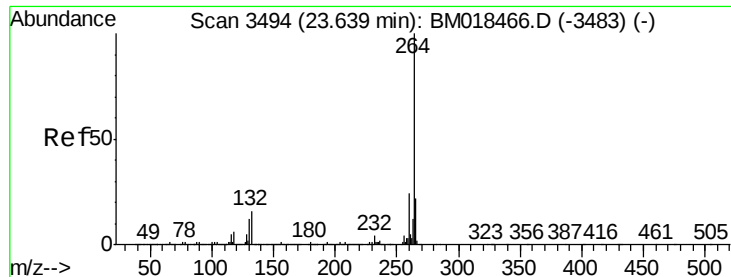
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#87  
Pervlene-d12  
Concen: 20.00 ng  
RT: 23.57 min Scan# 3482  
Delta R.T. -0.01 min  
Lab File: BM018737.D  
Acq: 07 Feb 2019 14:53

Instrument :  
BNA\_M  
ClientSampleId :  
M-5-D

Tot Ion:264 Resp: 1153198  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 18.9  | 28.3  |
| 265 | 21.7  | 16.8  | 25.2  |

