

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012919\  
 Data File : BM018687.D  
 Acq On : 29 Jan 2019 21:02  
 Operator : JU/SJ  
 Sample : K1010-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jan 30 00:12:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 18 22:01:30 2019  
 Response via : Initial Calibration

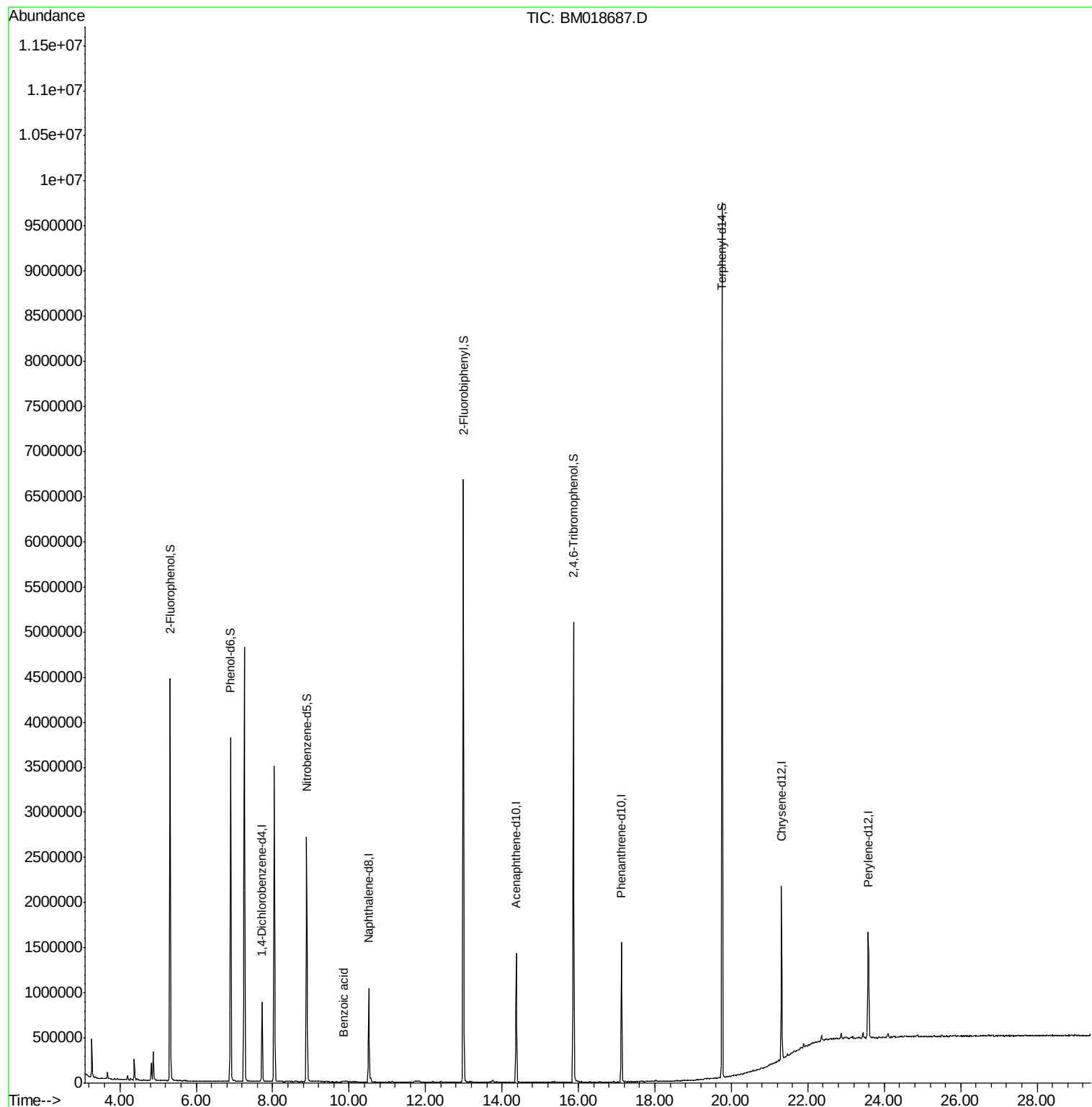
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 236967   | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 10.52 | 136  | 884220   | 20.00  | ng    | -0.01          |
| 39) Acenaphthene-d10        | 14.37 | 164  | 457840   | 20.00  | ng    | -0.01          |
| 64) Phenanthrene-d10        | 17.12 | 188  | 951841   | 20.00  | ng    | -0.02          |
| 76) Chrysene-d12            | 21.32 | 240  | 849903   | 20.00  | ng    | -0.02          |
| 87) Perylene-d12            | 23.59 | 264  | 845381   | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.32  | 112  | 1829467  | 142.56 | ng    | -0.01          |
| 7) Phenol-d6                | 6.90  | 99   | 2131103  | 130.74 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 8.89  | 82   | 1663185  | 109.04 | ng    | -0.01          |
| 42) 2,4,6-Tribromophenol    | 15.87 | 330  | 836067   | 143.42 | ng    | -0.02          |
| 45) 2-Fluorobiphenyl        | 12.99 | 172  | 3439398  | 98.02  | ng    | -0.01          |
| 79) Terphenyl-d14           | 19.76 | 244  | 4283181  | 106.24 | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 32) Benzoic acid            | 9.85  | 122  | 4215     | 7.000  | ng    | Qvalue<br># 82 |

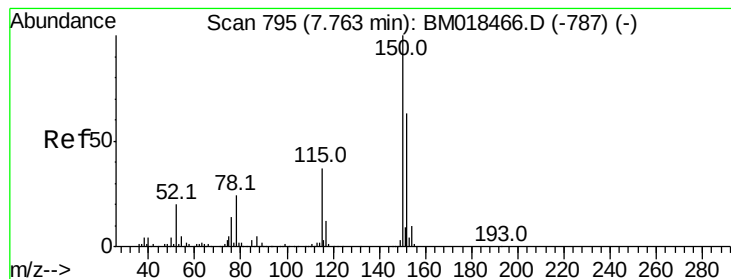
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012919\  
Data File : BM018687.D  
Acq On : 29 Jan 2019 21:02  
Operator : JU/SJ  
Sample : K1010-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Jan 30 00:12:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 18 22:01:30 2019  
Response via : Initial Calibration



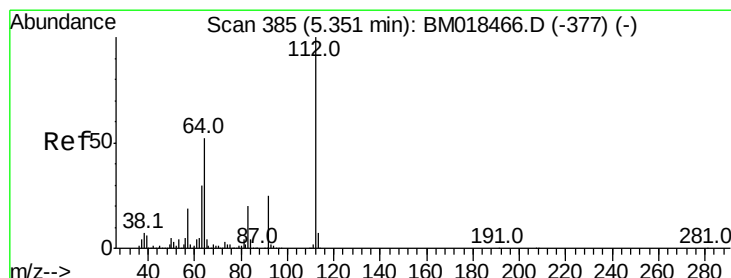
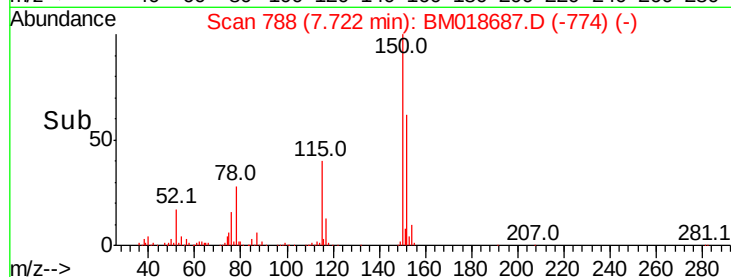
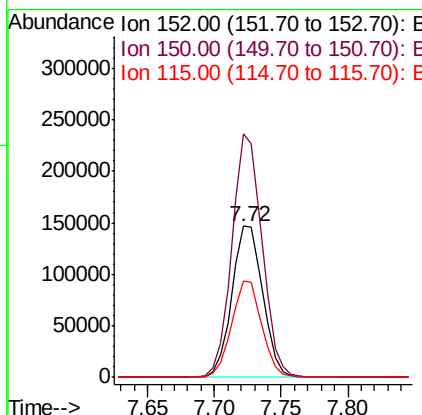
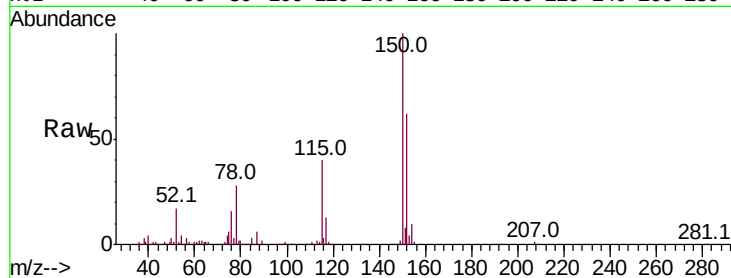


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.72 min Scan# 788  
Delta R.T. -0.02 min  
Lab File: BM018687.D  
Acq: 29 Jan 2019 21:02

Instrument :  
BNA\_M  
ClientSampleId :

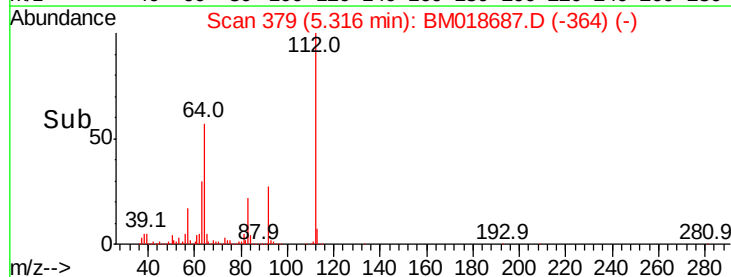
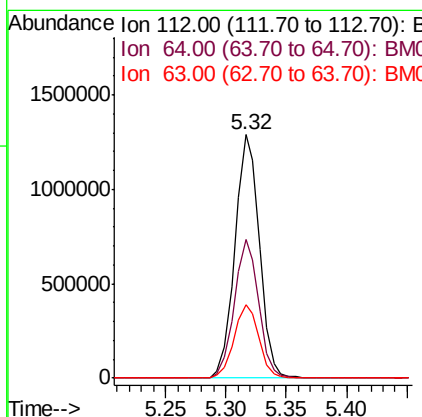
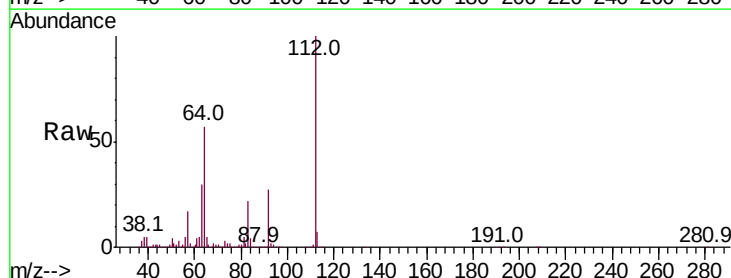
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.0 | 126.9 | 190.3 |
| 115     | 63.6  | 45.5  | 68.3  |

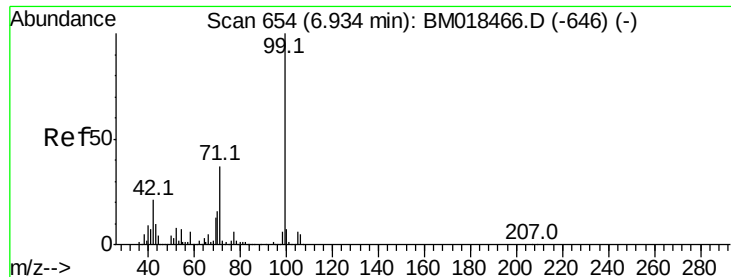


#5

2-Fluorophenol  
Concen: 142.556 ng  
RT: 5.32 min Scan# 379  
Delta R.T. -0.01 min  
Lab File: BM018687.D  
Acq: 29 Jan 2019 21:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.7  | 46.5  | 69.7  |
| 63      | 30.4  | 25.2  | 37.8  |





#7

Phenol-d6

Concen: 130.743 ng

RT: 6.90 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018687.D

Acq: 29 Jan 2019 21:02

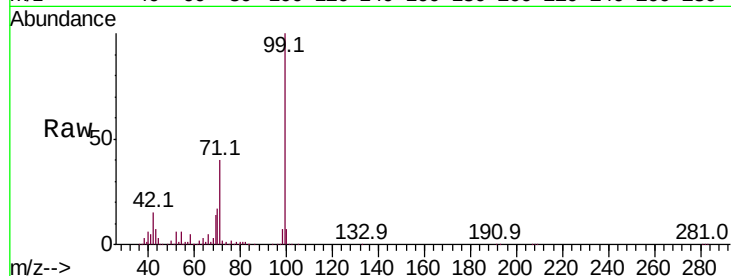
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 99 Resp: 2131103

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.0  | 17.3  | 25.9# |
| 71  | 39.6  | 28.0  | 42.0  |

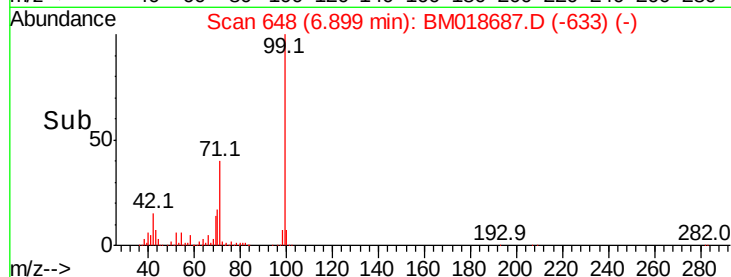


Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

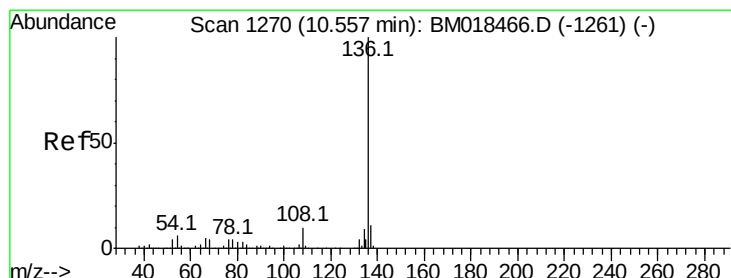
Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.52 min Scan# 1263

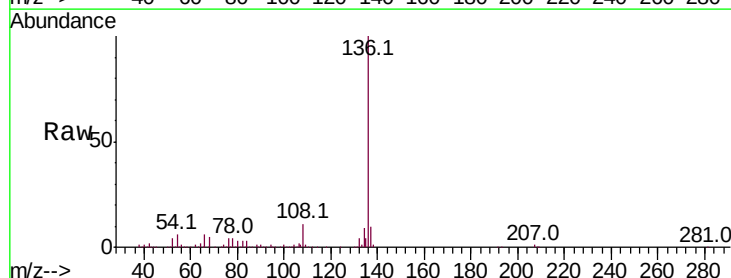
Delta R.T. -0.01 min

Lab File: BM018687.D

Acq: 29 Jan 2019 21:02

Tgt Ion: 136 Resp: 884220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.3  | 8.5   | 12.7  |
| 54  | 5.9   | 6.0   | 9.0#  |
| 68  | 5.5   | 4.5   | 6.7   |



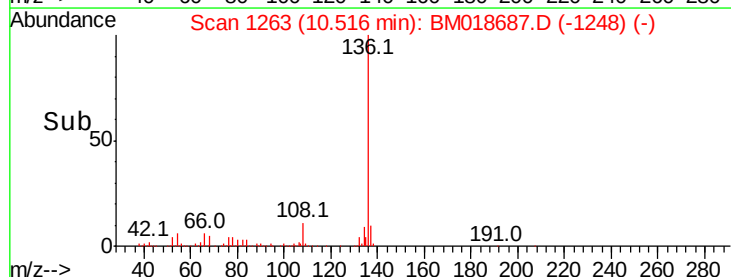
Abundance Ion 136.00 (135.70 to 136.70): BM018466.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM018466.D (-1261) (-)

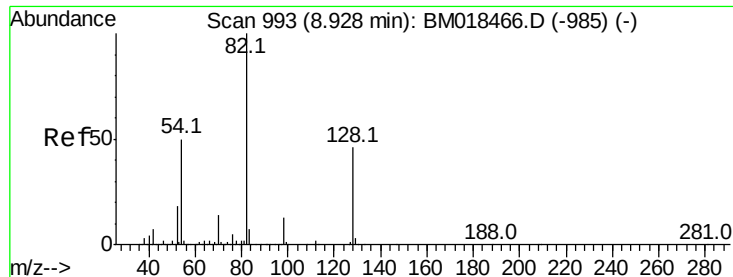
Ion 54.00 (53.70 to 54.70): BM018466.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM018466.D (-1261) (-)

Time-->



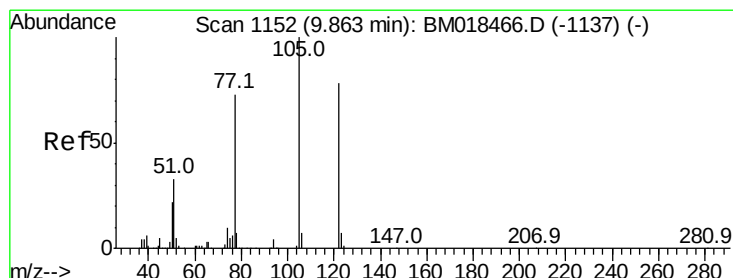
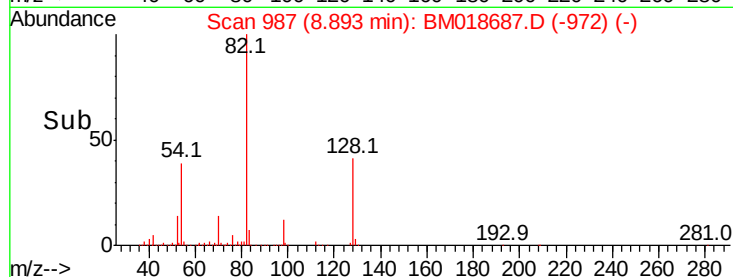
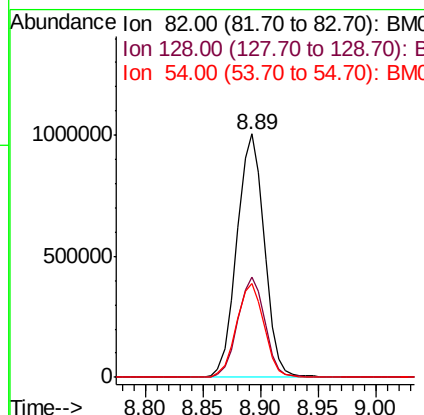
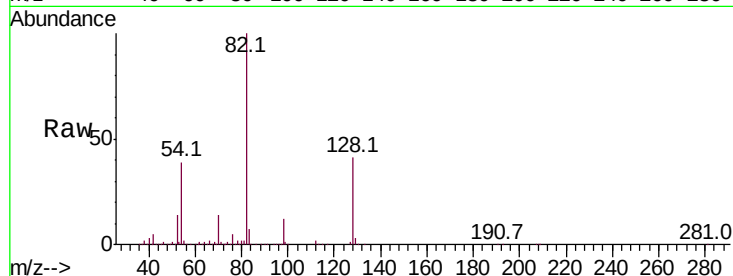
Time-->



#23  
Nitrobenzene-d5  
Concen: 109.041 ng  
RT: 8.89 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BM018687.D  
Acq: 29 Jan 2019 21:02

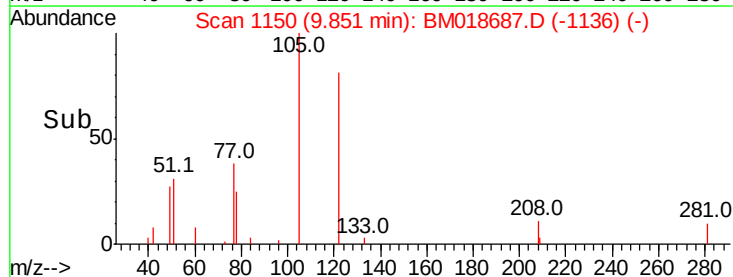
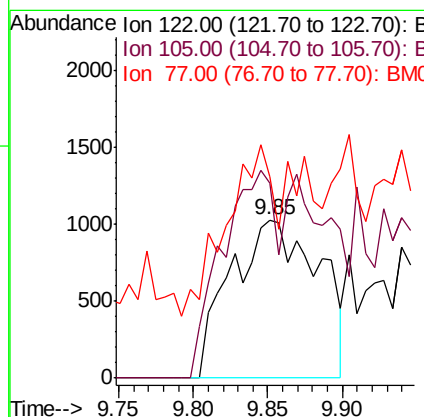
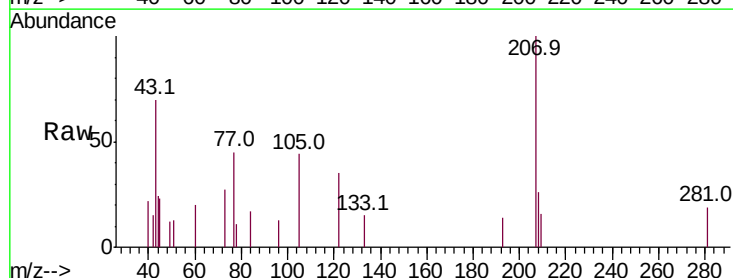
Instrument :  
BNA\_M  
ClientSampled :

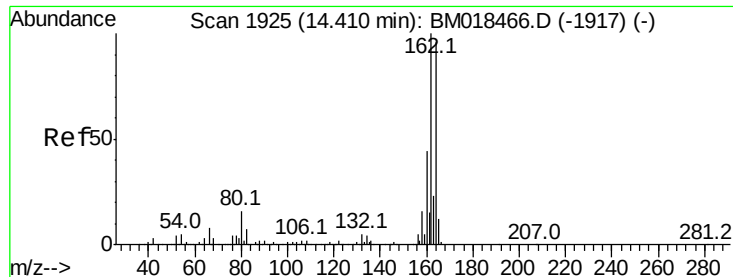
Tot Ion: 82 Resp: 1663185  
Ion Ratio Lower Upper  
82 100  
128 41.1 36.3 54.5  
54 38.5 41.7 62.5#



#32  
Benzoic acid  
Concen: 7.000 ng  
RT: 9.85 min Scan# 1150  
Delta R.T. -0.02 min  
Lab File: BM018687.D  
Acq: 29 Jan 2019 21:02

Tgt Ion:122 Resp: 4215  
Ion Ratio Lower Upper  
122 100  
105 123.8 100.4 140.4  
77 127.3 71.7 111.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM018687.D

Acq: 29 Jan 2019 21:02

Instrument :

BNA\_M

ClientSampleId :

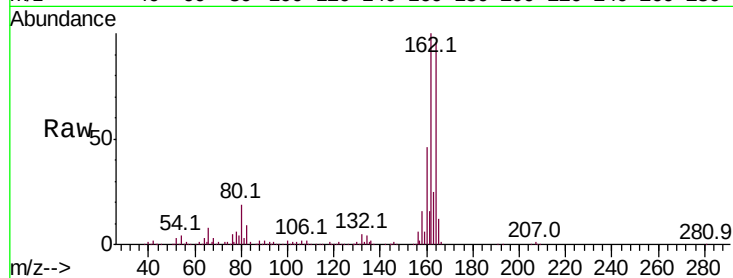
Tot Ion:164 Resp: 457840

Ion Ratio Lower Upper

164 100

162 104.3 83.0 124.4

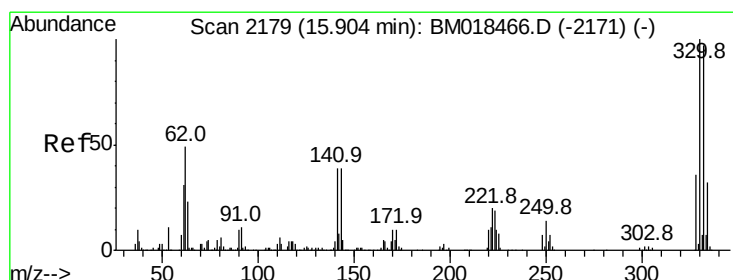
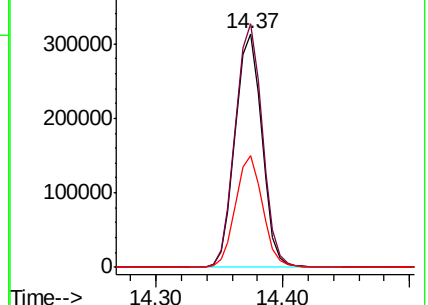
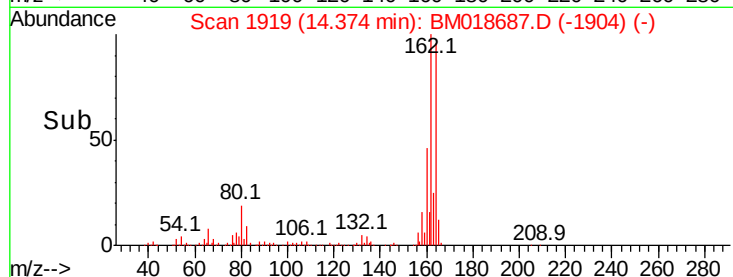
160 47.7 37.1 55.7



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



#42

2,4,6-Tribromophenol

Concen: 143.418 ng

RT: 15.87 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BM018687.D

Acq: 29 Jan 2019 21:02

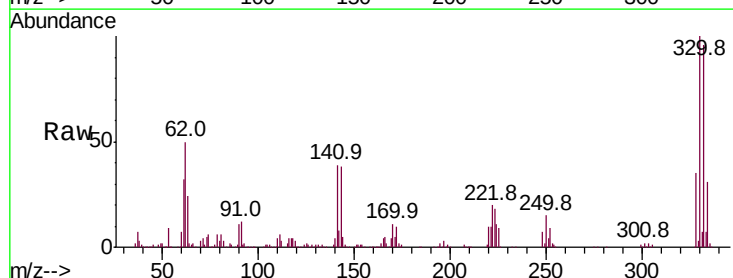
Tgt Ion:330 Resp: 836067

Ion Ratio Lower Upper

330 100

332 96.3 77.6 116.4

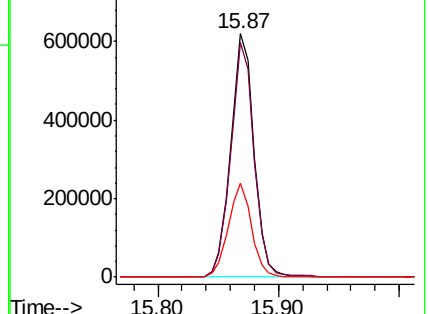
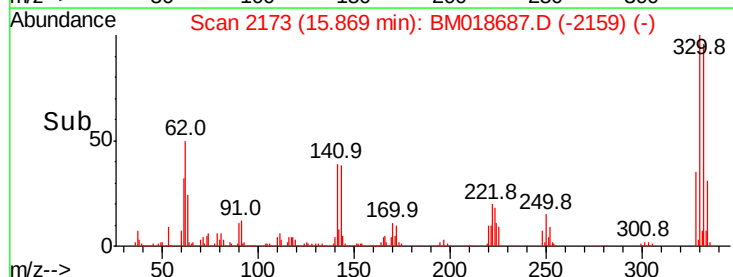
141 38.2 31.7 47.5

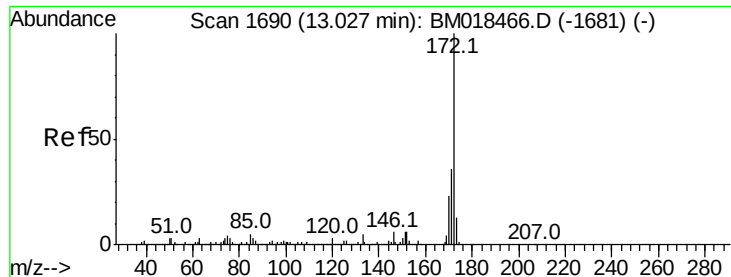


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

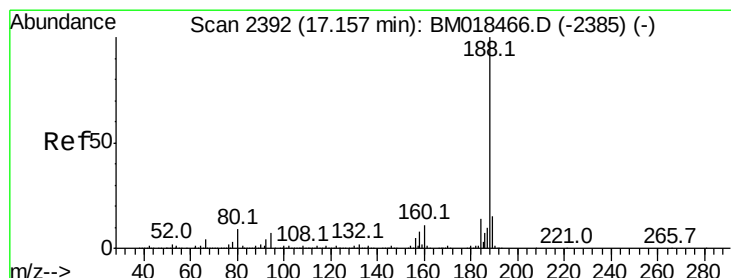
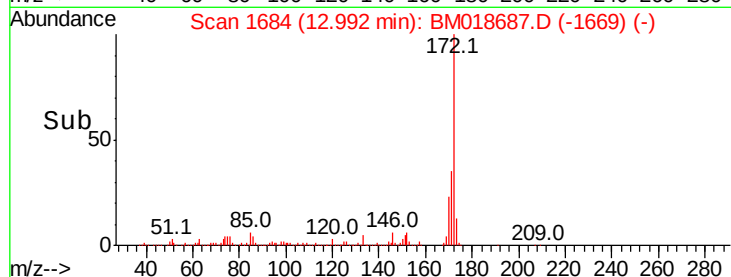
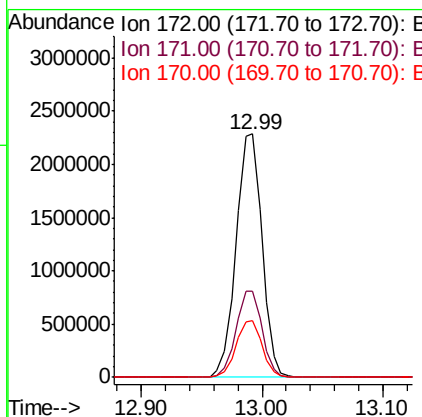
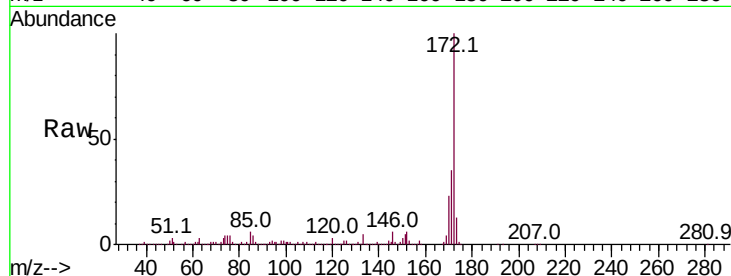




#45  
2-Fluorobiphenyl  
Concen: 98.024 ng  
RT: 12.99 min Scan# 1684  
Delta R.T. -0.01 min  
Lab File: BM018687.D  
Acq: 29 Jan 2019 21:02

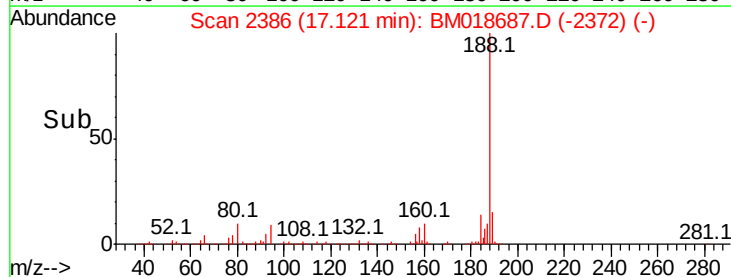
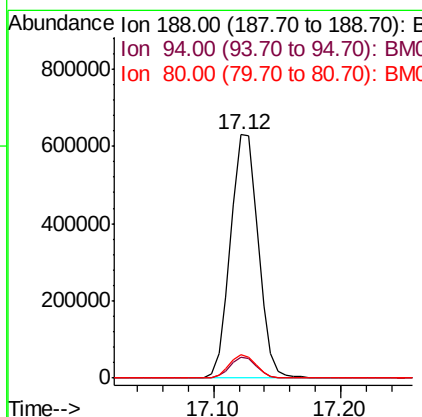
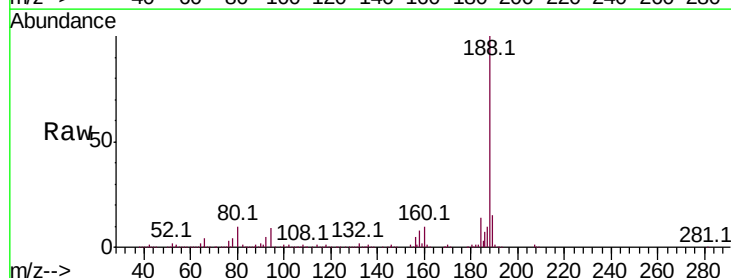
Instrument :  
BNA\_M  
ClientSampleId :

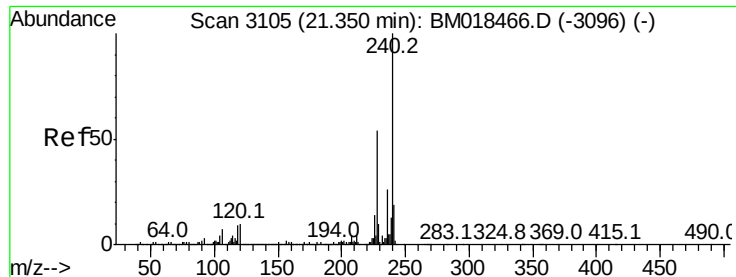
Tot Ion:172 Resp: 3439398  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.2 42.4  
170 23.4 18.9 28.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.12 min Scan# 2386  
Delta R.T. -0.02 min  
Lab File: BM018687.D  
Acq: 29 Jan 2019 21:02

Tgt Ion:188 Resp: 951841  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.1 10.7  
80 9.7 7.6 11.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.02 min

Lab File: BM018687.D

Acq: 29 Jan 2019 21:02

Instrument :

BNA\_M

ClientSampleId :

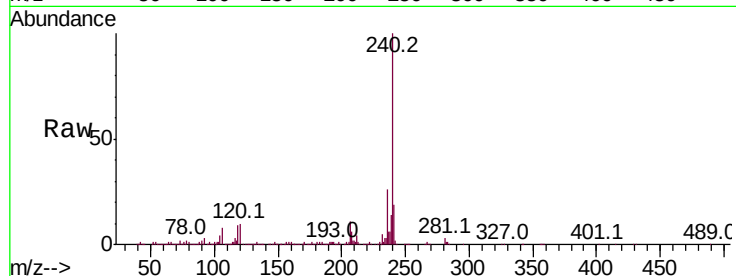
Tot Ion:240 Resp: 849903

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

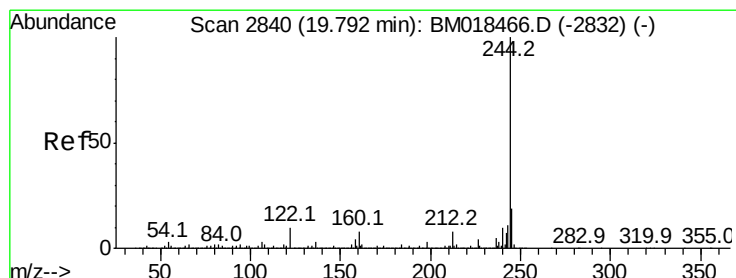
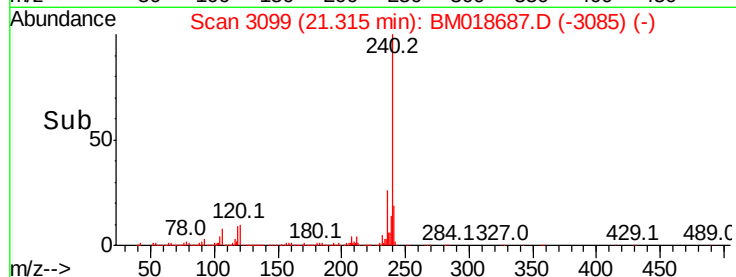
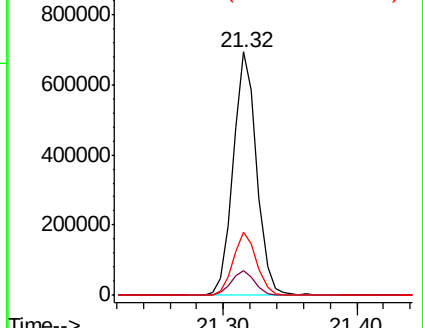
236 26.0 20.7 31.1



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



#79

Terphenyl-d14

Concen: 106.237 ng

RT: 19.76 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BM018687.D

Acq: 29 Jan 2019 21:02

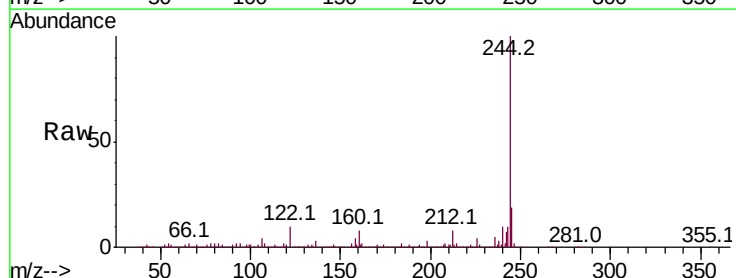
Tgt Ion:244 Resp: 4283181

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

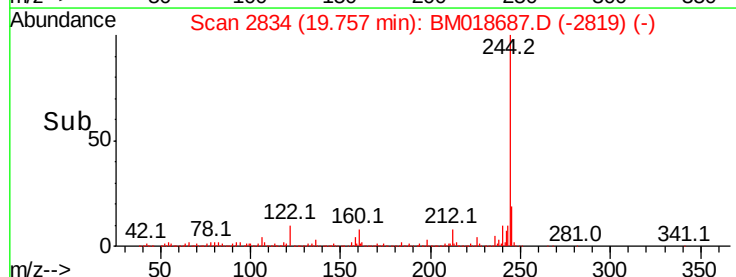
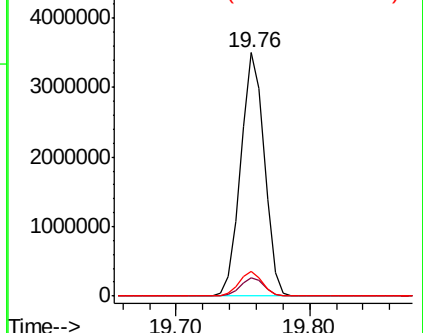
122 10.2 9.0 13.4



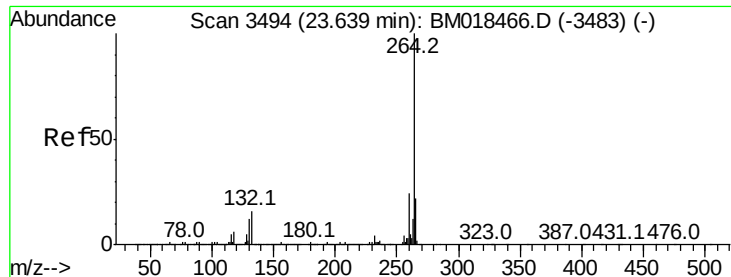
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.59 min Scan# 3485  
Delta R.T. -0.02 min  
Lab File: BM018687.D  
Acq: 29 Jan 2019 21:02

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 18.9  | 28.3  |
| 265     | 22.6  | 16.8  | 25.2  |

