

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021919\  
 Data File : BM018873.D  
 Acq On : 20 Feb 2019 03:01  
 Operator : JU/SJ  
 Sample : K1525-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M-14-D

Quant Time: Feb 20 05:44:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.70  | 152  | 222085   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.49 | 136  | 867136   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.35 | 164  | 481394   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.10 | 188  | 1180958  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.29 | 240  | 1228951  | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.54 | 264  | 1053097  | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 1703490  | 125.68 | ng    | -0.01    |
| 7) Phenol-d6                | 6.87  | 99   | 2042926  | 106.99 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.87  | 82   | 1719178  | 91.67  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.85 | 330  | 925759   | 133.41 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.97 | 172  | 3275596  | 90.33  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.74 | 244  | 5893233  | 98.92  | ng    | 0.00     |

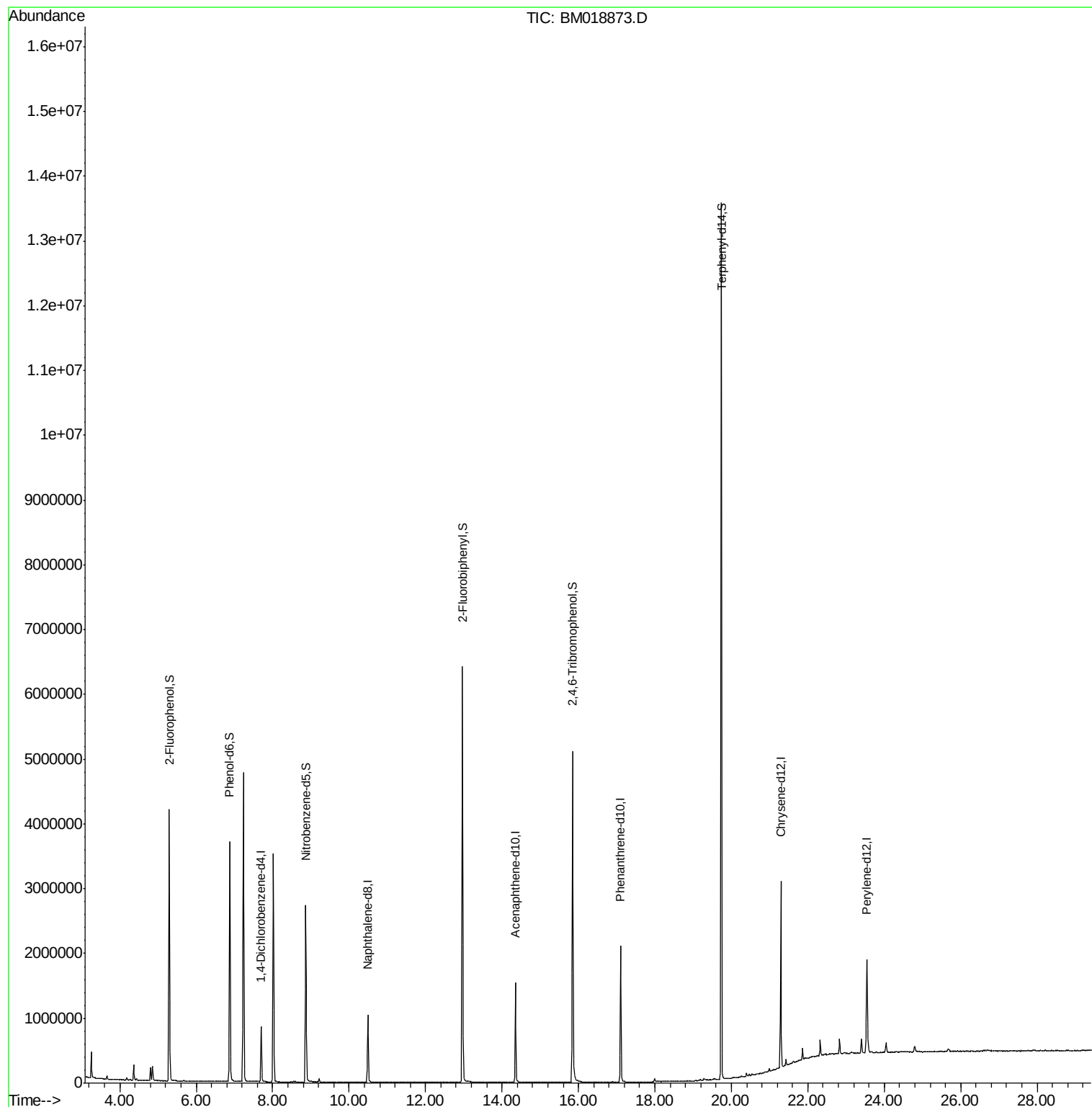
Target Compounds Qvalue

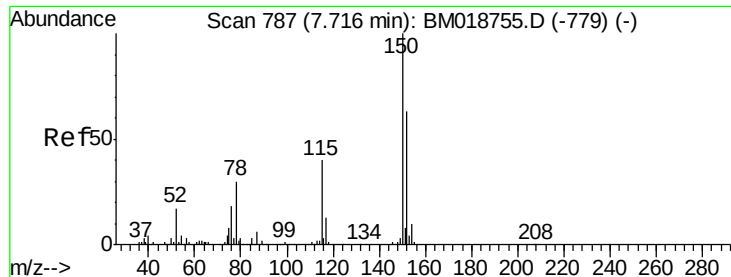
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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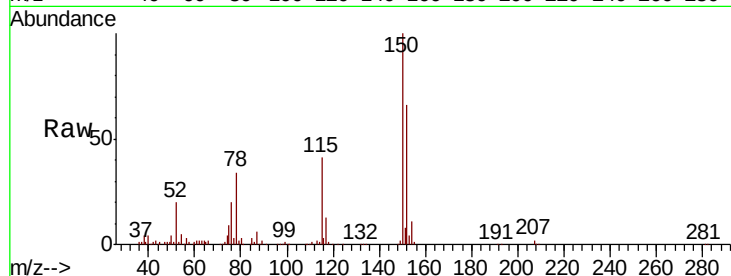


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.70 min Scan# 784  
Delta R.T. -0.02 min  
Lab File: BM018873.D  
Acq: 20 Feb 2019 03:01

Instrument :  
BNA\_M  
ClientSampleId :  
M-14-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.5 | 127.3 | 190.9 |
| 115     | 62.8  | 50.8  | 76.2  |

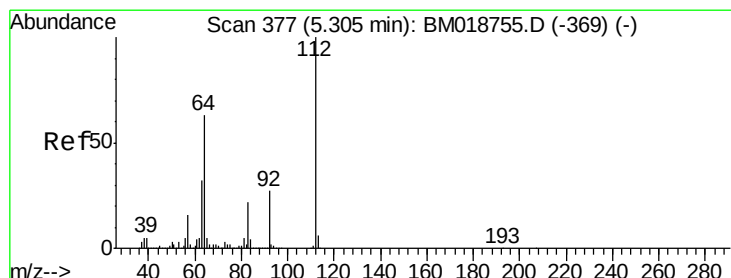
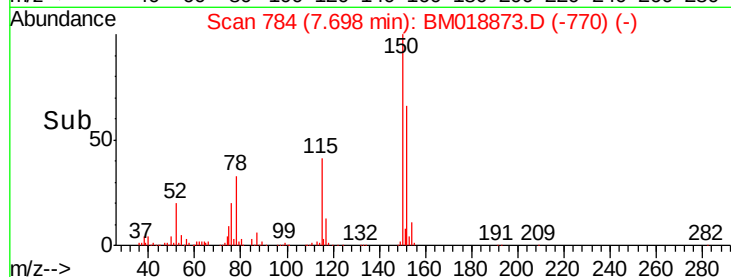
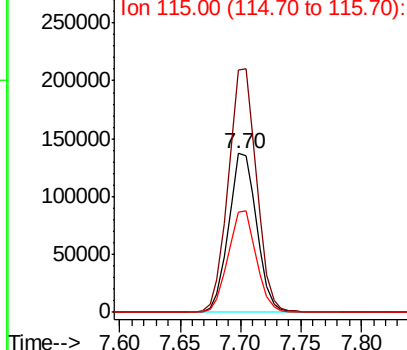


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

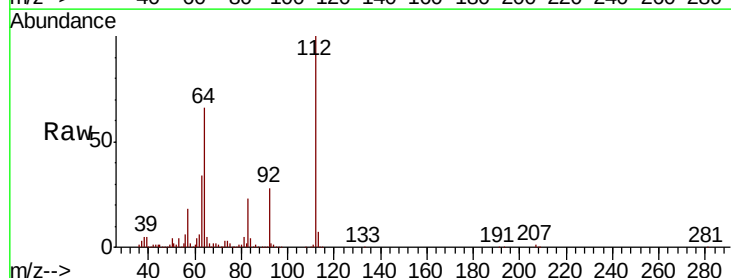
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 125.678 ng  
RT: 5.29 min Scan# 375  
Delta R.T. -0.01 min  
Lab File: BM018873.D  
Acq: 20 Feb 2019 03:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.0  | 50.6  | 75.8  |
| 63      | 34.4  | 25.7  | 38.5  |

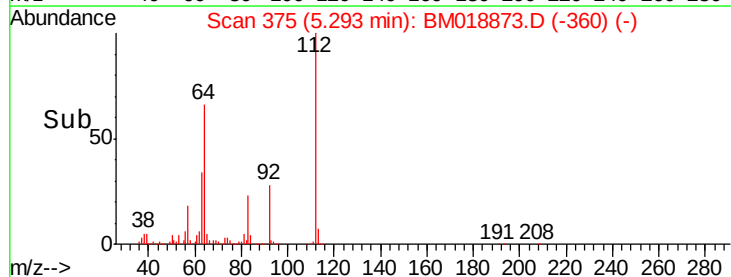
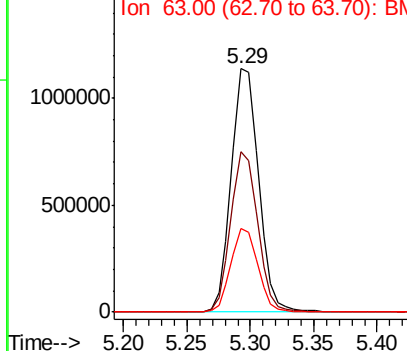


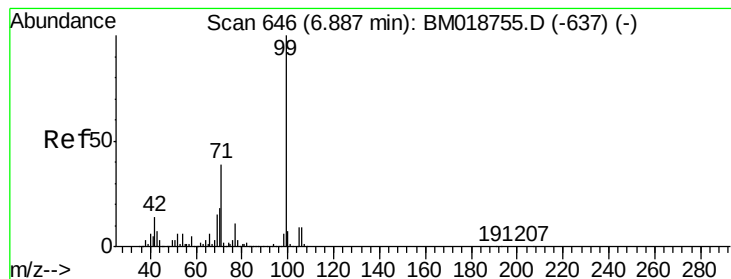
Abundance

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: 106.989 ng

RT: 6.87 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM018873.D

Acq: 20 Feb 2019 03:01

Instrument :

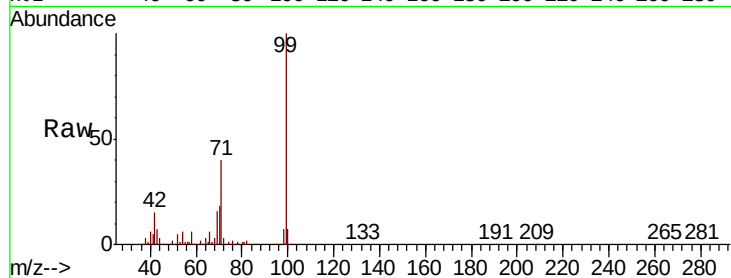
BNA\_M

ClientSampleId :

M-14-D

Tot Ion: 99 Resp: 2042926

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.0  | 11.0  | 16.6  |
| 71  | 40.0  | 31.3  | 46.9  |

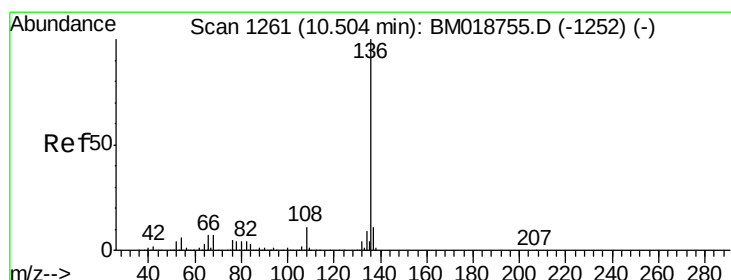
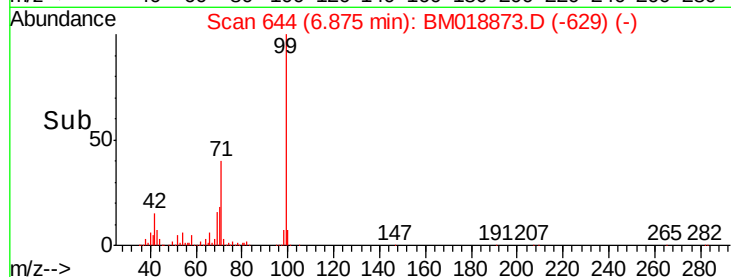
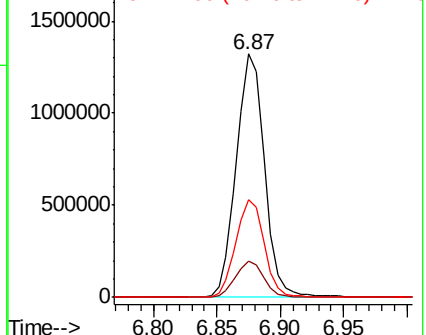


Abundance

Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.49 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BM018873.D

Acq: 20 Feb 2019 03:01

Tgt Ion: 136 Resp: 867136

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 7.1   | 5.0   | 7.6   |
| 68  | 7.2   | 5.5   | 8.3   |

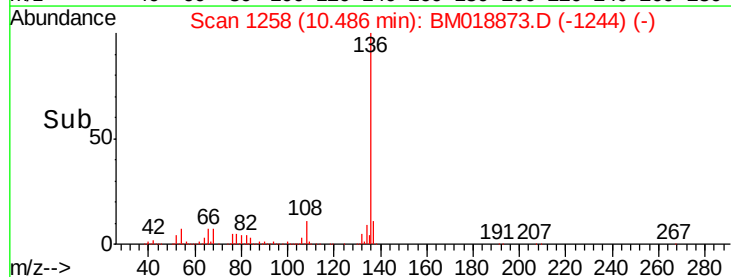
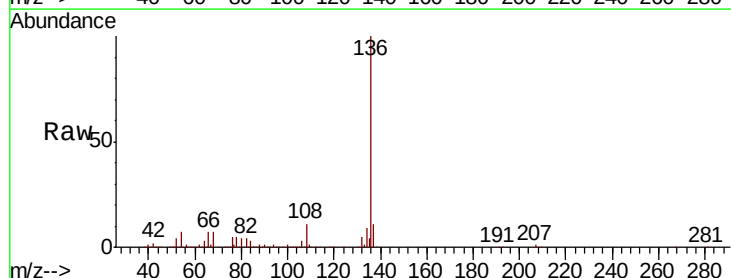
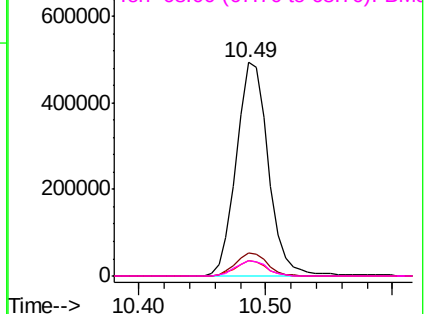
Abundance

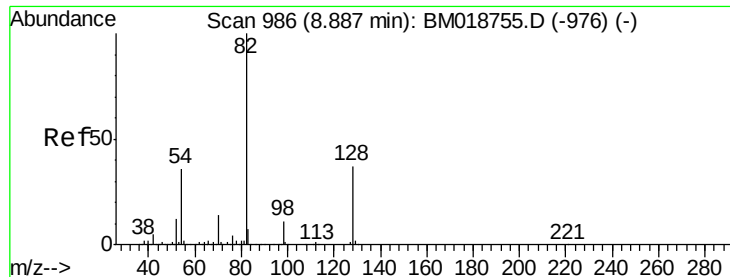
Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)





#23

Nitrobenzene-d5

Concen: 91.672 ng

RT: 8.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BM018873.D

Acq: 20 Feb 2019 03:01

Instrument :

BNA\_M

ClientSampleId :

M-14-D

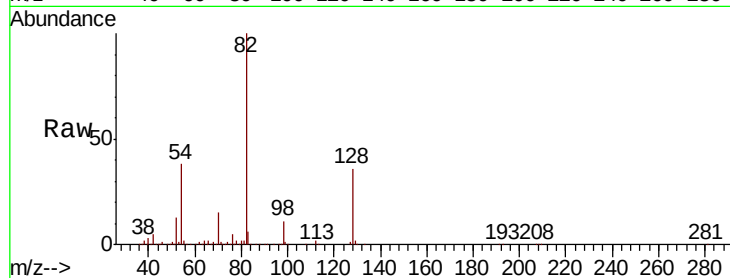
Tot Ion: 82 Resp: 1719178

Ion Ratio Lower Upper

82 100

128 35.8 29.9 44.9

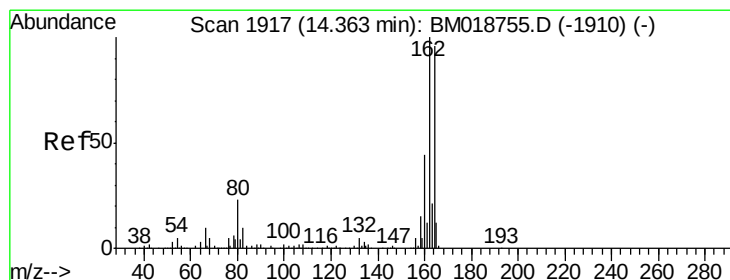
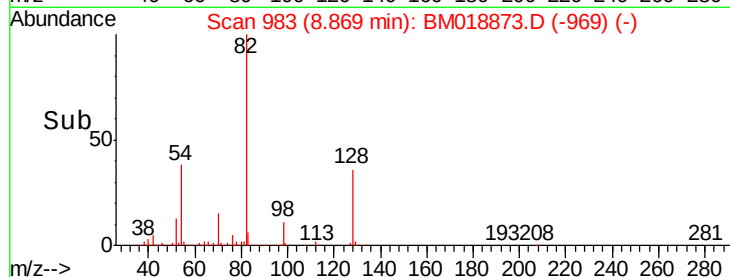
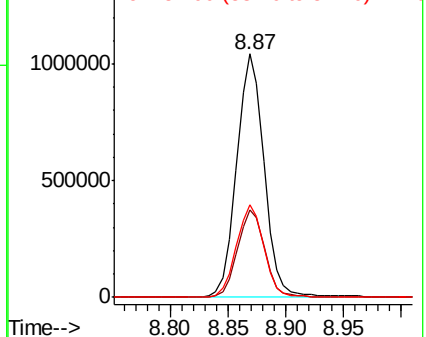
54 37.8 29.1 43.7



Abundance Ion 82.00 (81.70 to 82.70): BM018873.D (-969) (-)

Ion 128.00 (127.70 to 128.70): BM018873.D (-969) (-)

Ion 54.00 (53.70 to 54.70): BM018873.D (-969) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.35 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BM018873.D

Acq: 20 Feb 2019 03:01

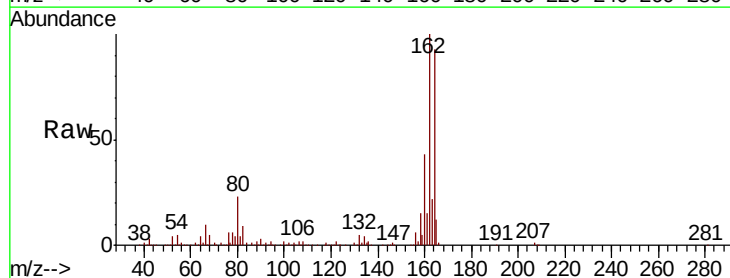
Tgt Ion:164 Resp: 481394

Ion Ratio Lower Upper

164 100

162 107.5 83.4 125.0

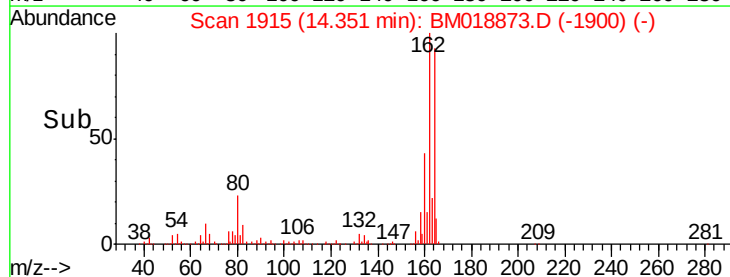
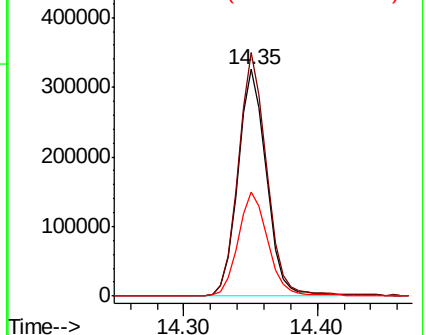
160 46.2 36.6 55.0

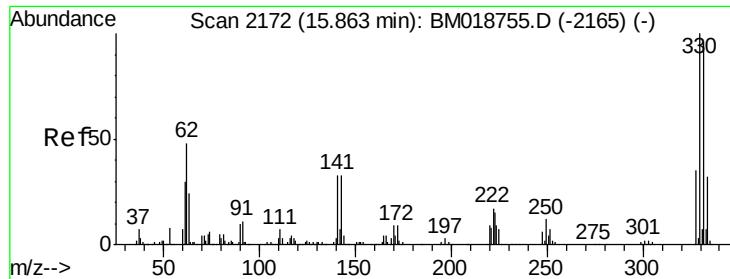


Abundance Ion 164.00 (163.70 to 164.70): BM018873.D (-1900) (-)

Ion 162.00 (161.70 to 162.70): BM018873.D (-1900) (-)

Ion 160.00 (159.70 to 160.70): BM018873.D (-1900) (-)

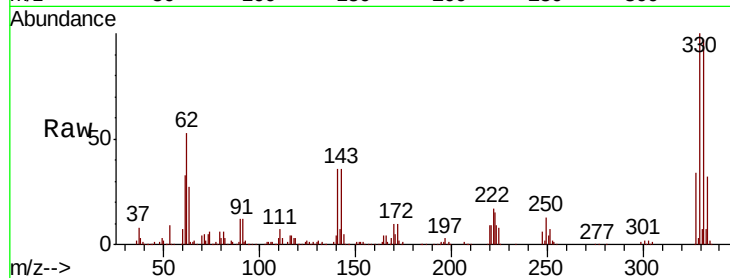




#42  
 2,4,6-Tribromophenol  
 Concen: 133.411 ng  
 RT: 15.85 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM018873.D  
 Acq: 20 Feb 2019 03:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M-14-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 76.9  | 115.3 |
| 141     | 39.1  | 28.7  | 43.1  |

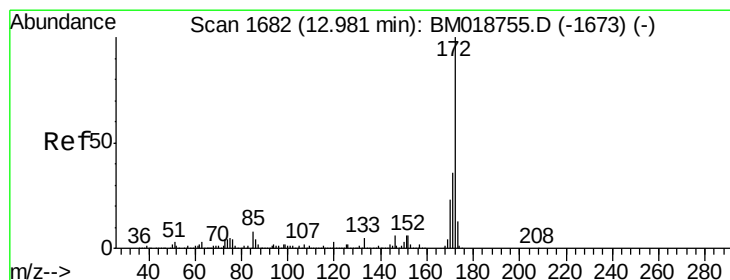
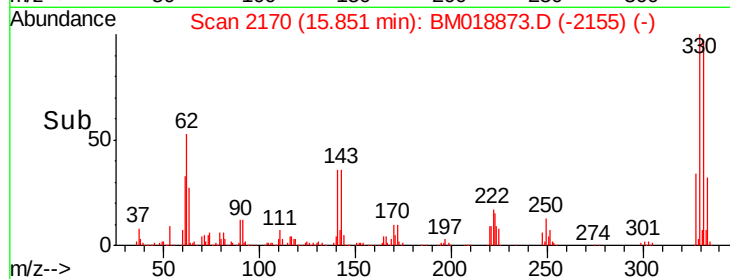
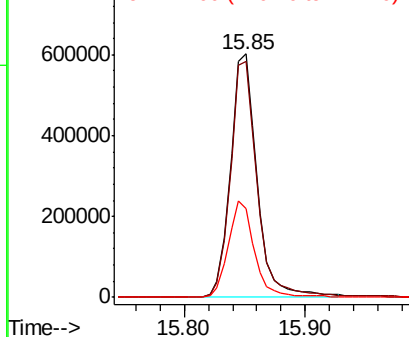


Abundance

Ion 329.80 (329.50 to 330.50): E

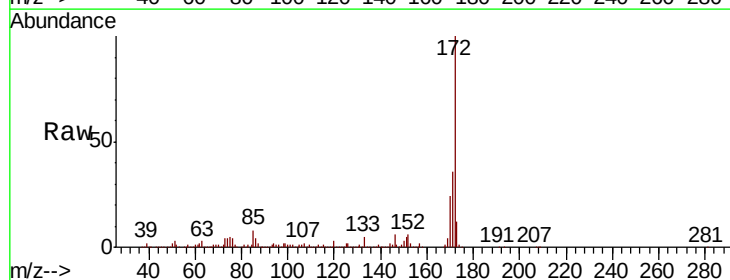
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 90.327 ng  
 RT: 12.97 min Scan# 1680  
 Delta R.T. -0.01 min  
 Lab File: BM018873.D  
 Acq: 20 Feb 2019 03:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.0  | 43.6  |
| 170     | 23.8  | 18.6  | 28.0  |

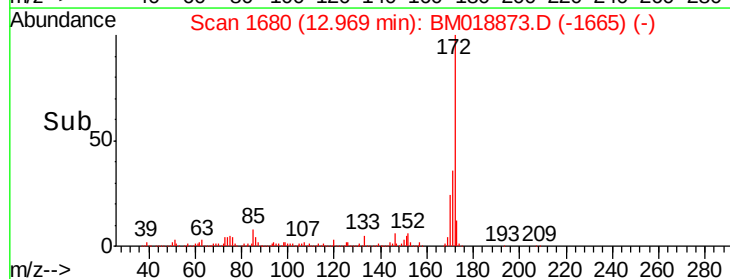
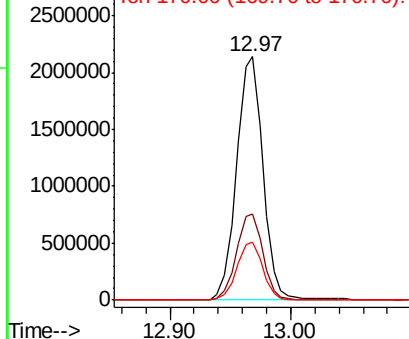


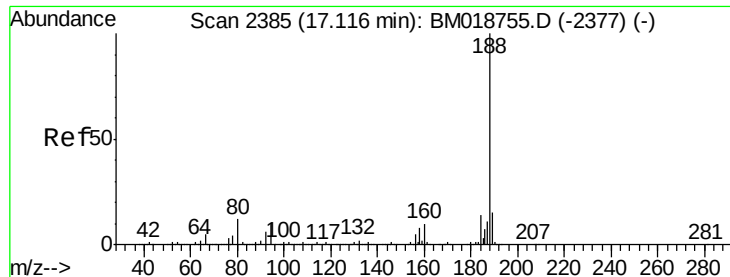
Abundance

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

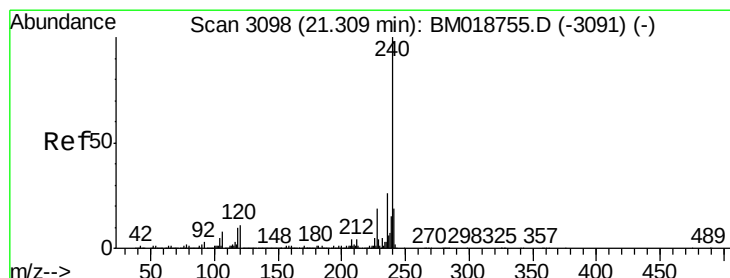
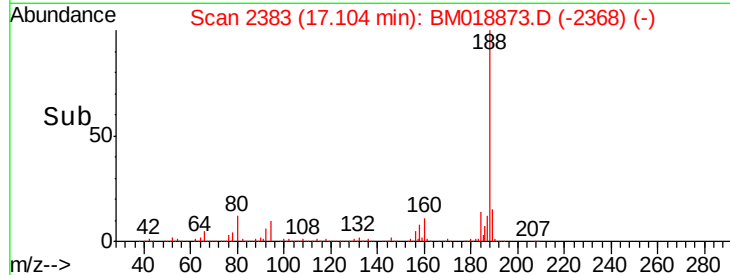
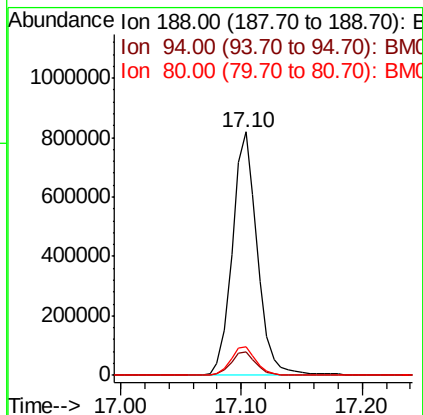
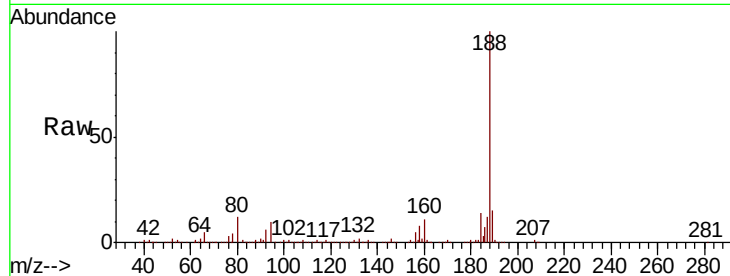




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.10 min Scan# 2383  
Delta R.T. -0.01 min  
Lab File: BM018873.D  
Acq: 20 Feb 2019 03:01

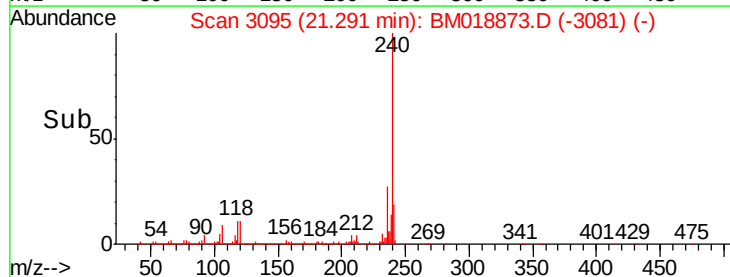
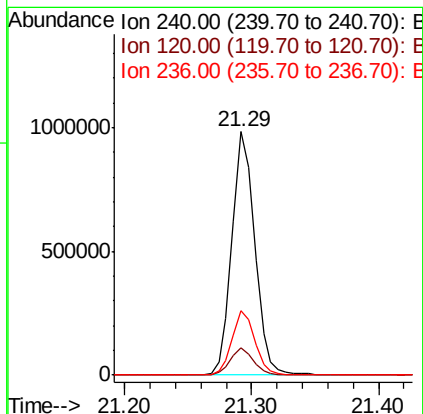
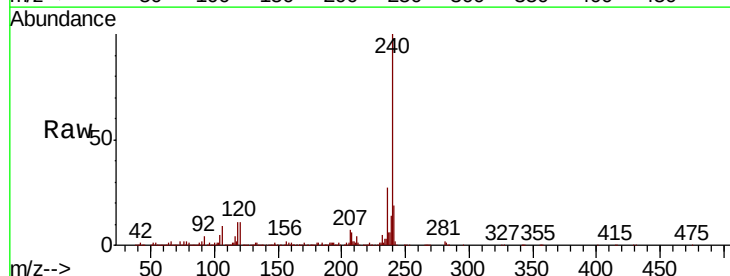
Instrument :  
BNA\_M  
ClientSampled :  
M-14-D

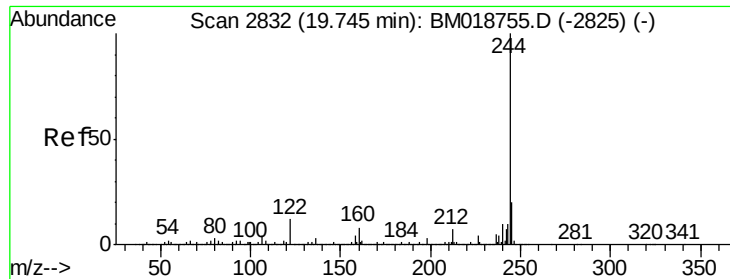
Tot Ion:188 Resp: 1180958  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.2 12.2  
80 11.7 9.7 14.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.29 min Scan# 3095  
Delta R.T. -0.02 min  
Lab File: BM018873.D  
Acq: 20 Feb 2019 03:01

Tgt Ion:240 Resp: 1228951  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.9 13.3  
236 26.6 20.9 31.3

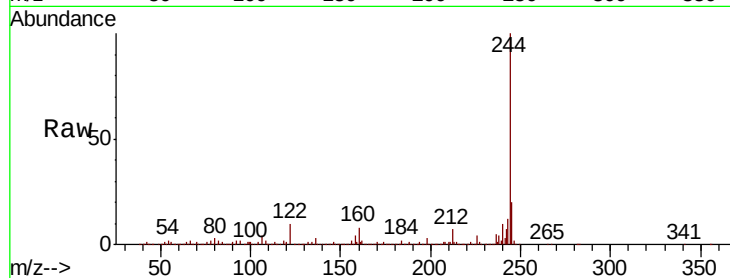




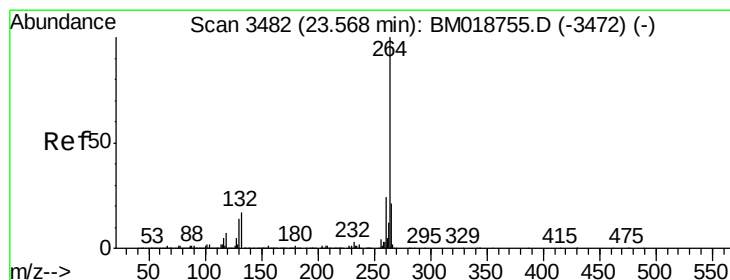
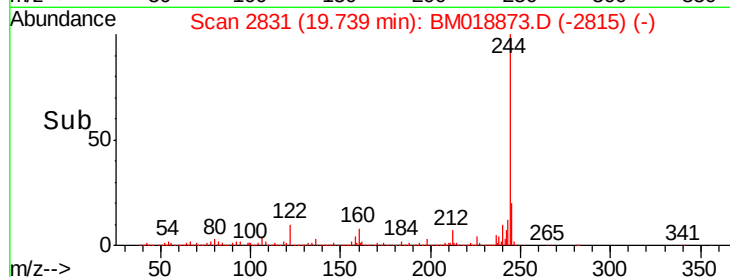
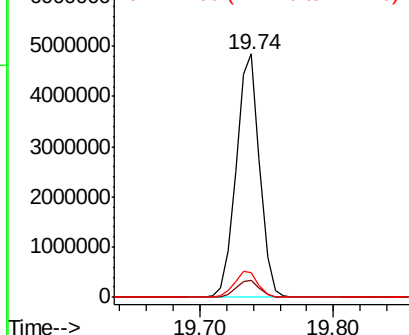
#79  
 Terphenyl-d14  
 Concen: 98.923 ng  
 RT: 19.74 min Scan# 2831  
 Delta R.T. -0.01 min  
 Lab File: BM018873.D  
 Acq: 20 Feb 2019 03:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M-14-D

Tot Ion:244 Resp: 5893233  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.6 8.4  
 122 10.4 9.3 13.9

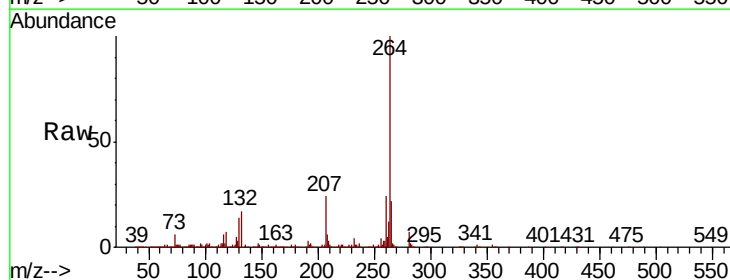


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.54 min Scan# 3478  
 Delta R.T. -0.02 min  
 Lab File: BM018873.D  
 Acq: 20 Feb 2019 03:01

Tgt Ion:264 Resp: 1053097  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.9 28.3  
 265 22.0 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

