

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021219\  
 Data File : BM018797.D  
 Acq On : 13 Feb 2019 06:06  
 Operator : JU/SJ  
 Sample : K1462-08  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1-D

Quant Time: Feb 13 06:49:16 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   | 7.71  | 152  | 312713   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.50 | 136  | 1231292  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.36 | 164  | 678913   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.12 | 188  | 1543001  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.30 | 240  | 1452163  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.57 | 264  | 1267395  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.31  | 112  | 2662424  | 139.50 | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 3294607  | 122.54 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.88  | 82   | 2639465  | 99.12  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.86 | 330  | 1415987  | 144.69 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.98 | 172  | 4949289  | 96.77  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.75 | 244  | 8103656  | 115.12 | ng    | 0.00     |

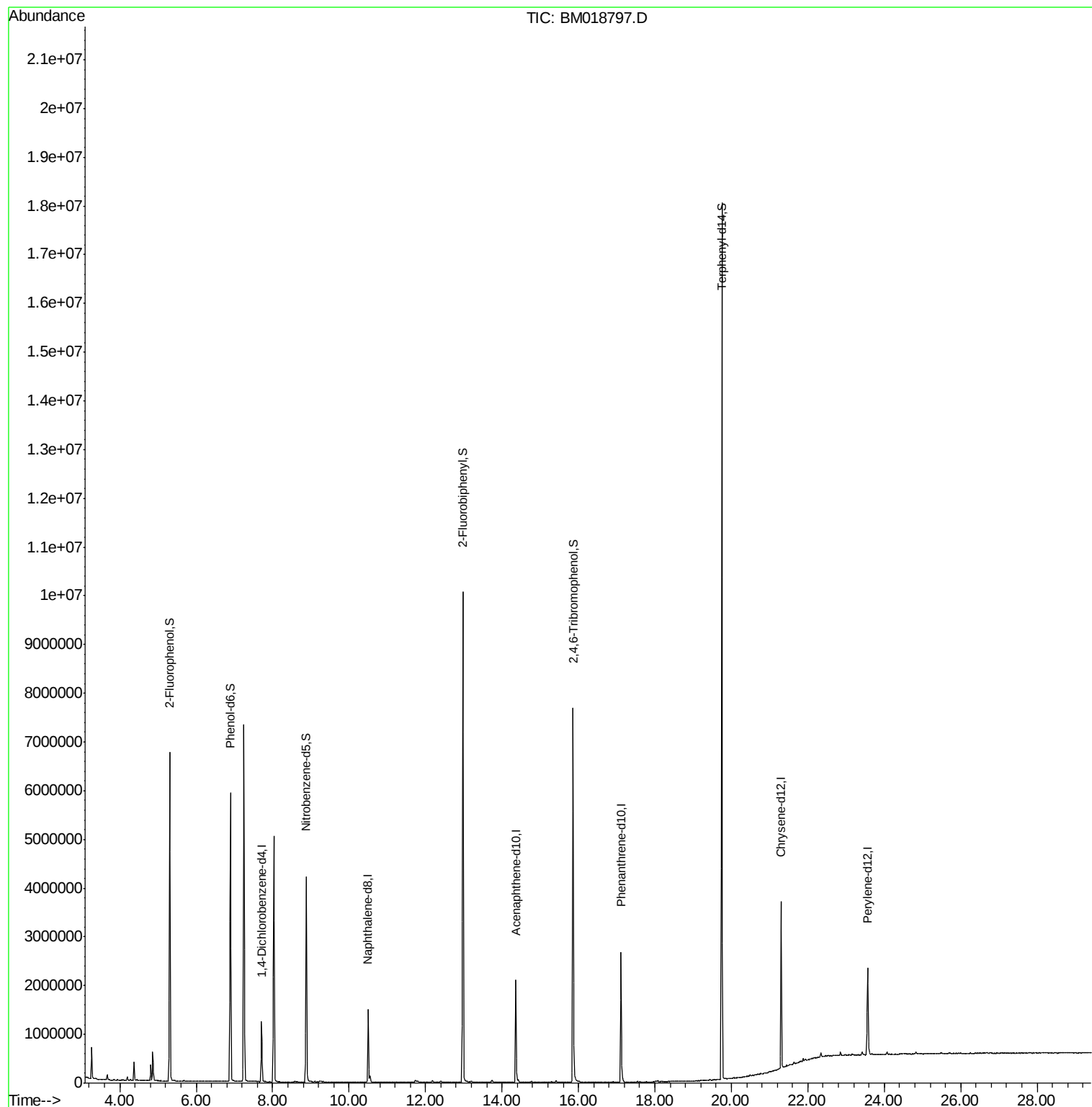
Target Compounds Qvalue

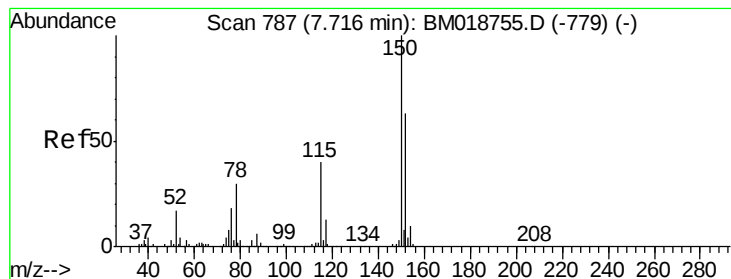
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K1462-08  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_M  
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TP-1-D

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QLast Update : Mon Feb 11 16:02:12 2019  
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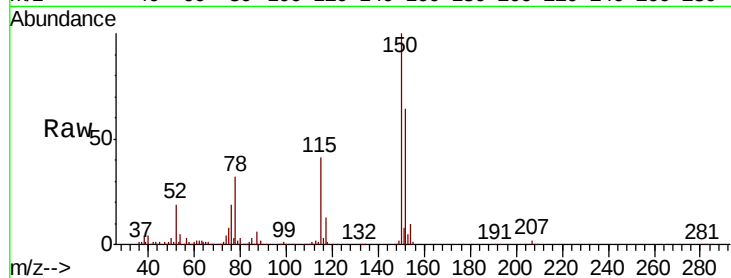


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.71 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BM018797.D  
Acq: 13 Feb 2019 06:06

Instrument :  
BNA\_M  
ClientSampleId :  
TP-1-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 127.3 | 190.9 |
| 115     | 64.2  | 50.8  | 76.2  |

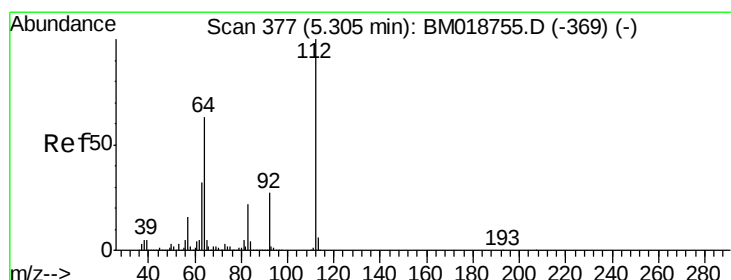
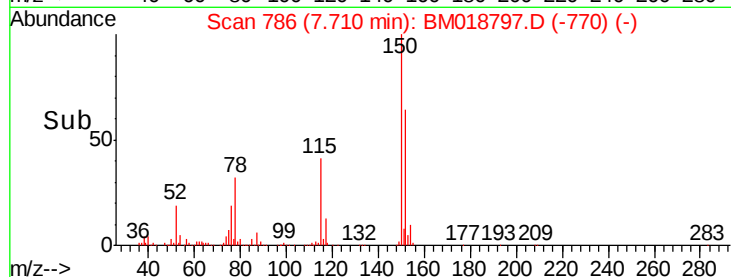
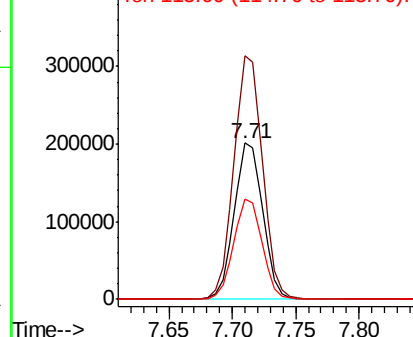


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

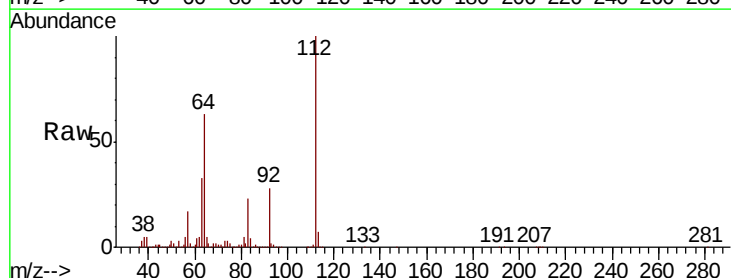
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 139.499 ng  
RT: 5.31 min Scan# 378  
Delta R.T. 0.01 min  
Lab File: BM018797.D  
Acq: 13 Feb 2019 06:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.4  | 50.6  | 75.8  |
| 63      | 32.7  | 25.7  | 38.5  |

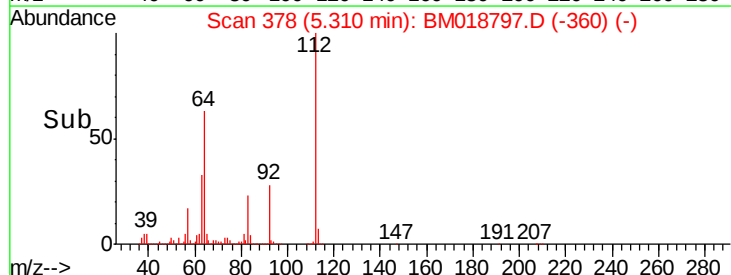
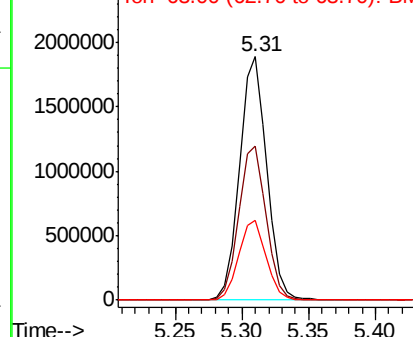


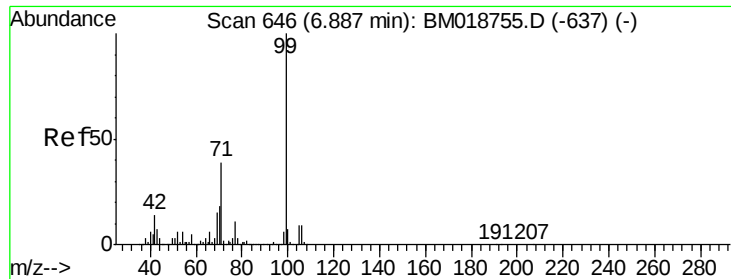
Abundance

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: 122.536 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.01 min

Lab File: BM018797.D

Acq: 13 Feb 2019 06:06

Instrument :

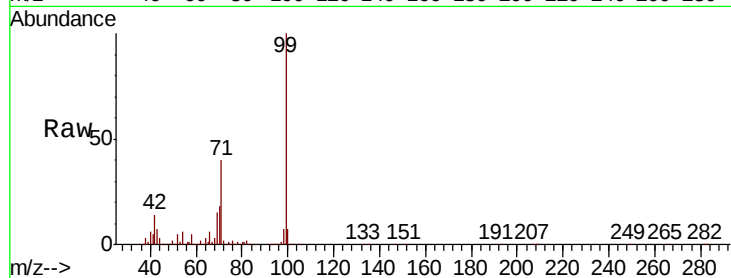
BNA\_M

ClientSampled :

TP-1-D

Tot Ion: 99 Resp: 3294607

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.1  | 11.0  | 16.6  |
| 71  | 39.9  | 31.3  | 46.9  |

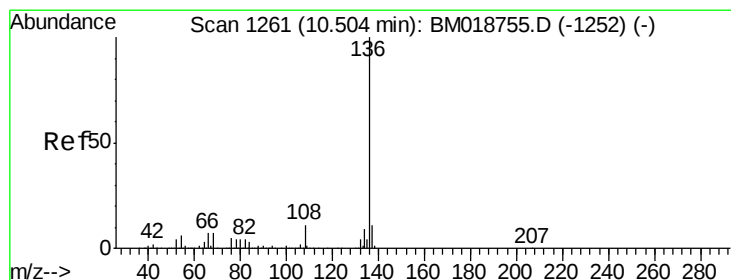
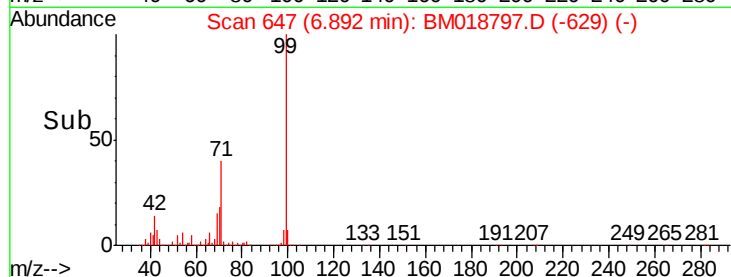
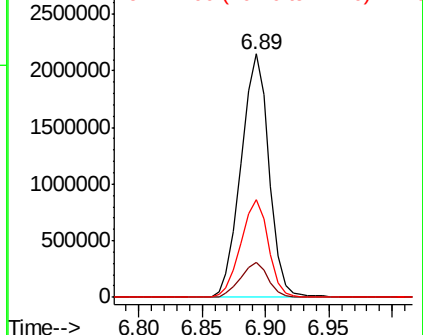


Abundance

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: 10.50 min Scan# 1260

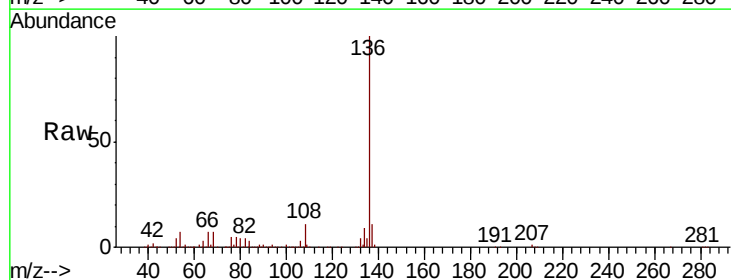
Delta R.T. -0.01 min

Lab File: BM018797.D

Acq: 13 Feb 2019 06:06

Tgt Ion: 136 Resp: 1231292

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 6.9   | 5.0   | 7.6   |
| 68  | 7.3   | 5.5   | 8.3   |



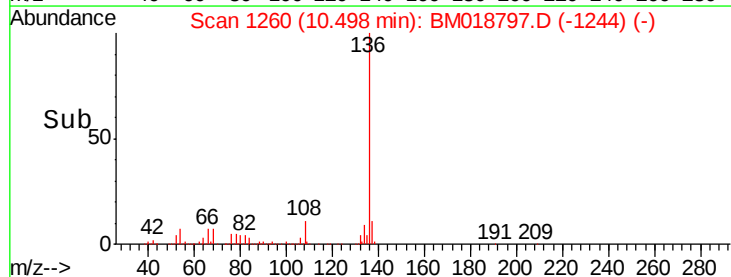
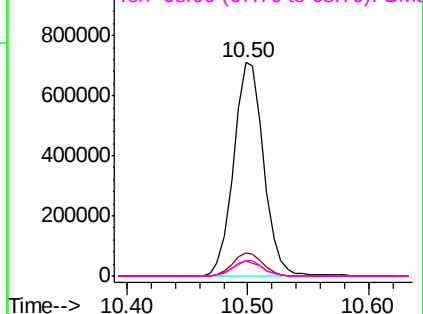
Abundance

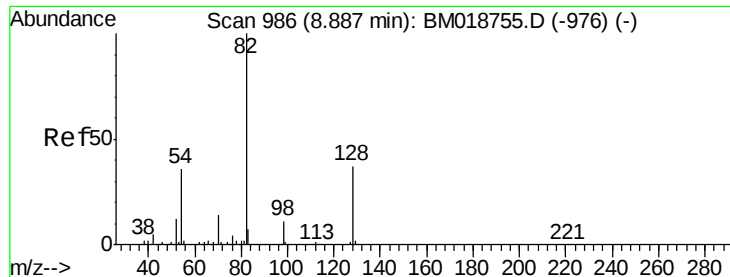
Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

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) (-)

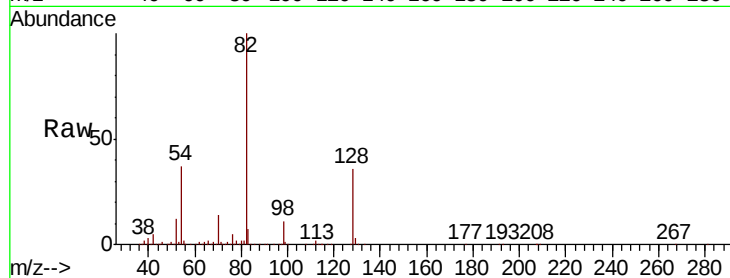




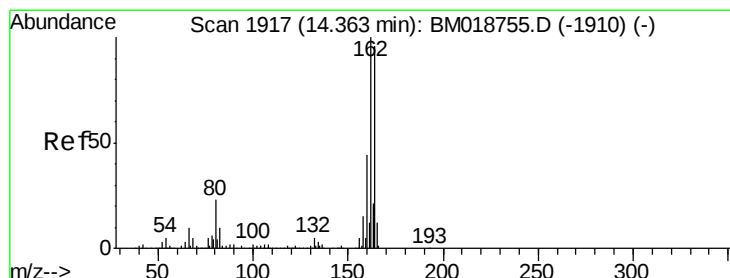
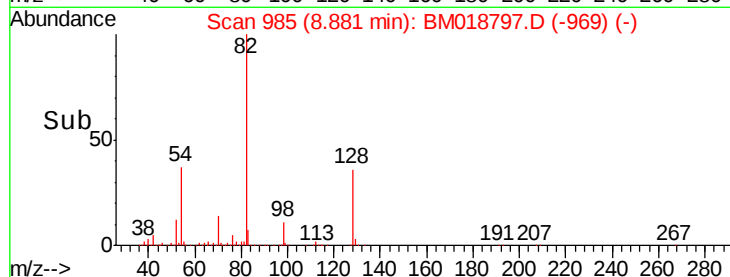
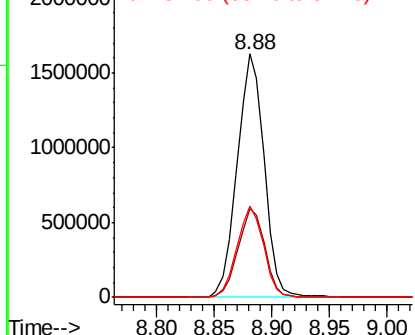
#23  
Nitrobenzene-d5  
Concen: 99.120 ng  
RT: 8.88 min Scan# 985  
Delta R.T. -0.01 min  
Lab File: BM018797.D  
Acq: 13 Feb 2019 06:06

Instrument :  
BNA\_M  
ClientSampleId :  
TP-1-D

Tot Ion: 82 Resp: 2639465  
Ion Ratio Lower Upper  
82 100  
128 36.3 29.9 44.9  
54 37.3 29.1 43.7

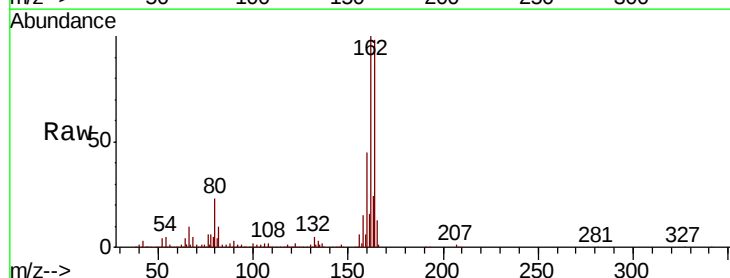


Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-976) (-)  
Ion 128.00 (127.70 to 128.70): BM018755.D (-976) (-)  
Ion 54.00 (53.70 to 54.70): BM018755.D (-976) (-)

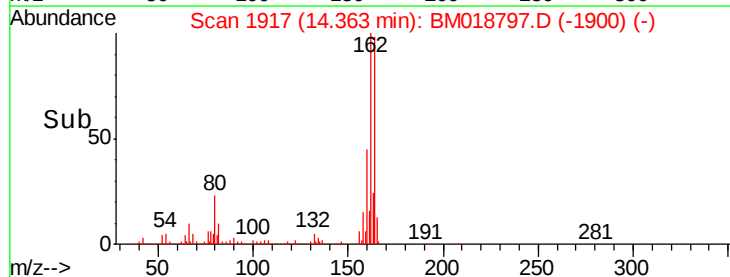
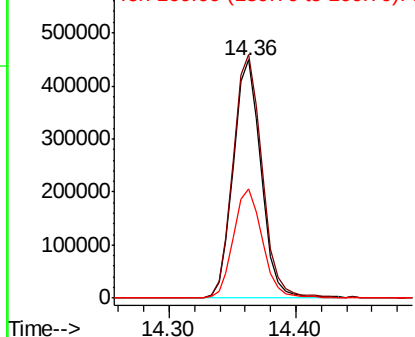


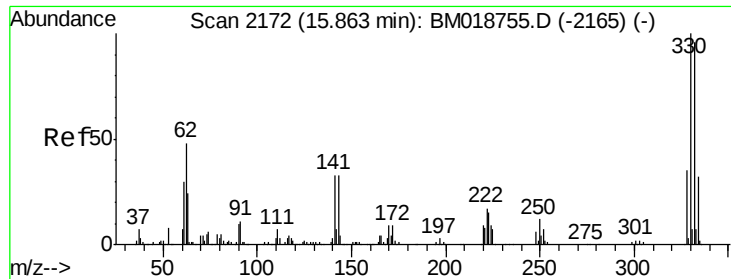
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.36 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: BM018797.D  
Acq: 13 Feb 2019 06:06

Tgt Ion:164 Resp: 678913  
Ion Ratio Lower Upper  
164 100  
162 102.1 83.4 125.0  
160 45.7 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): BM018755.D (-1910) (-)  
Ion 162.00 (161.70 to 162.70): BM018755.D (-1910) (-)  
Ion 160.00 (159.70 to 160.70): BM018755.D (-1910) (-)



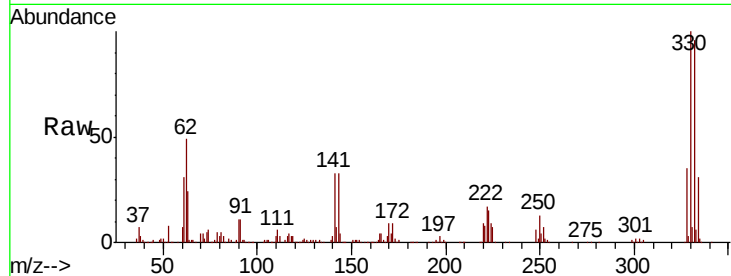


#42  
 2,4,6-Tribromophenol  
 Concen: 144.690 ng  
 RT: 15.86 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: BM018797.D  
 Acq: 13 Feb 2019 06:06

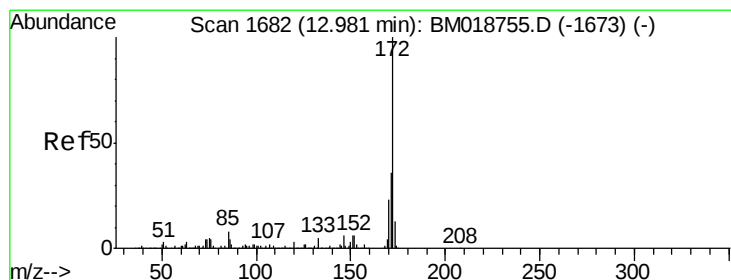
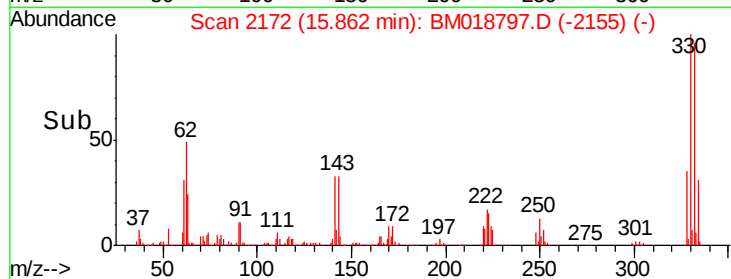
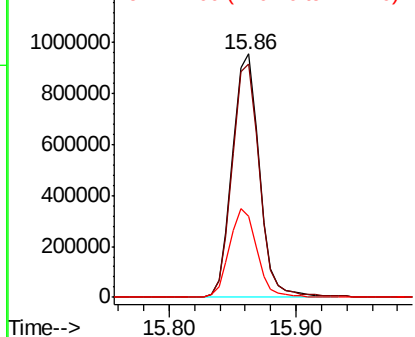
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1-D

Tot Ion:330 Resp: 1415987  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.7  | 76.9  | 115.3 |
| 141 | 37.1  | 28.7  | 43.1  |



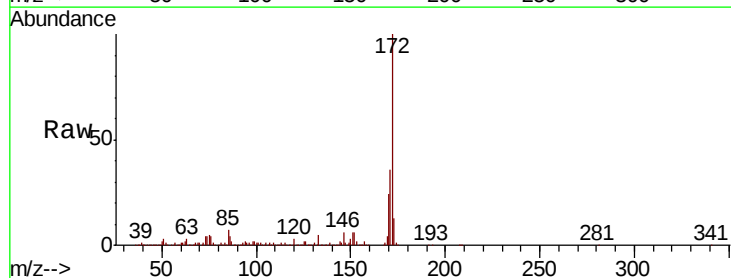
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



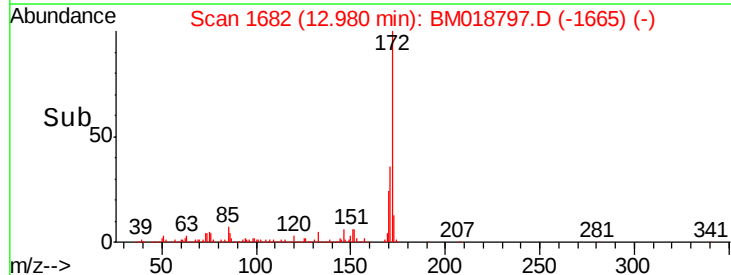
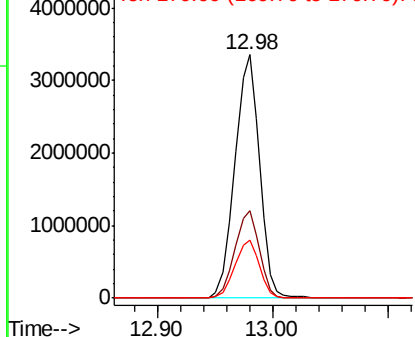
#45  
 2-Fluorobiphenyl  
 Concen: 96.773 ng  
 RT: 12.98 min Scan# 1682  
 Delta R.T. -0.00 min  
 Lab File: BM018797.D  
 Acq: 13 Feb 2019 06:06

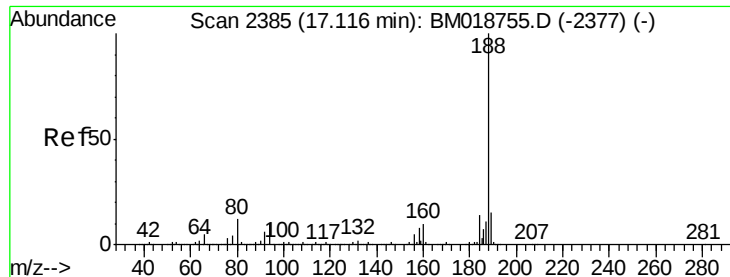
Tgt Ion:172 Resp: 4949289  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.2  | 29.0  | 43.6  |
| 170 | 24.0  | 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: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM018797.D

Acq: 13 Feb 2019 06:06

Instrument :

BNA\_M

ClientSampled :

TP-1-D

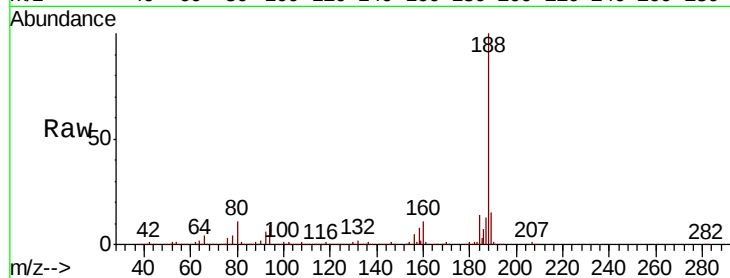
Tot Ion:188 Resp: 1543001

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

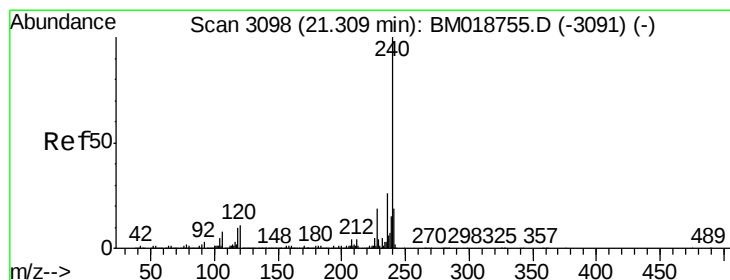
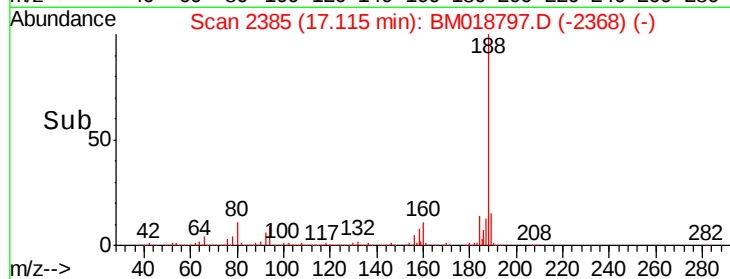
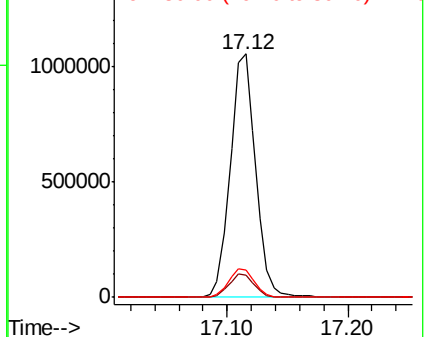
80 11.4 9.7 14.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM018797.D

Acq: 13 Feb 2019 06:06

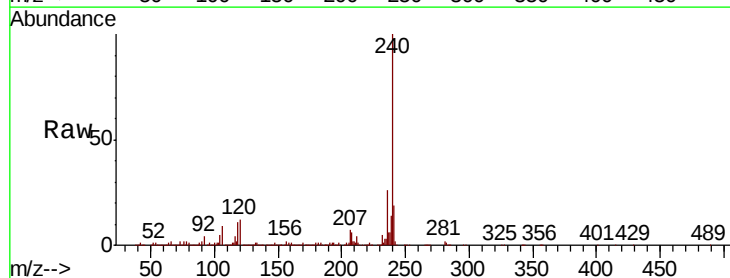
Tgt Ion:240 Resp: 1452163

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

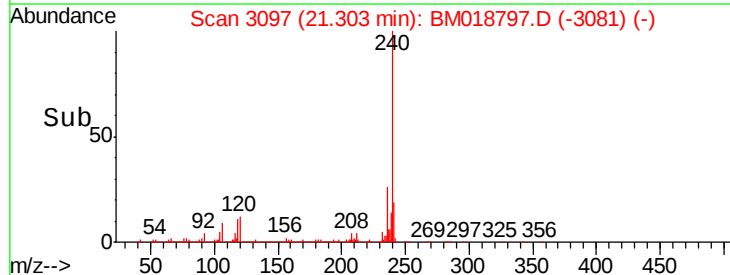
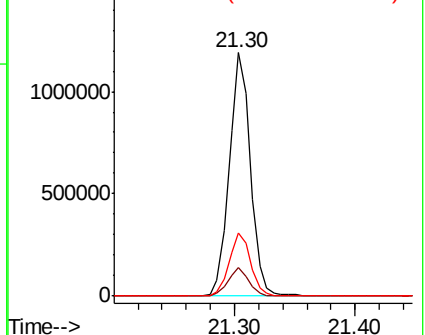
236 26.1 20.9 31.3

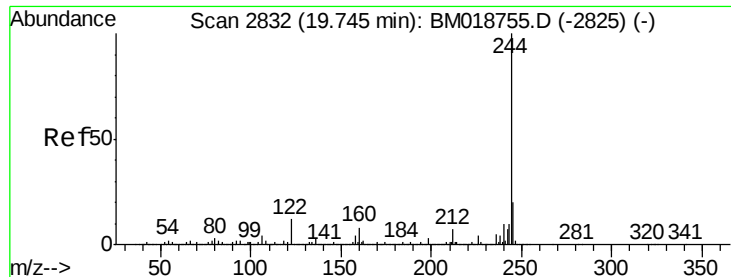


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 115.118 ng

RT: 19.75 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM018797.D

Acq: 13 Feb 2019 06:06

Instrument :

BNA\_M

ClientSampleId :

TP-1-D

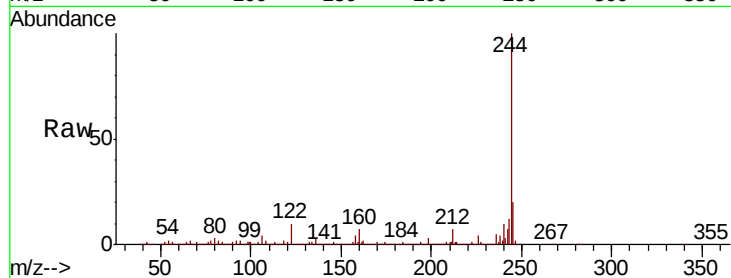
Tot Ion:244 Resp: 8103656

Ion Ratio Lower Upper

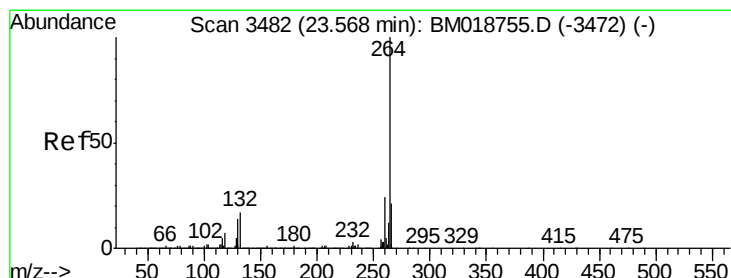
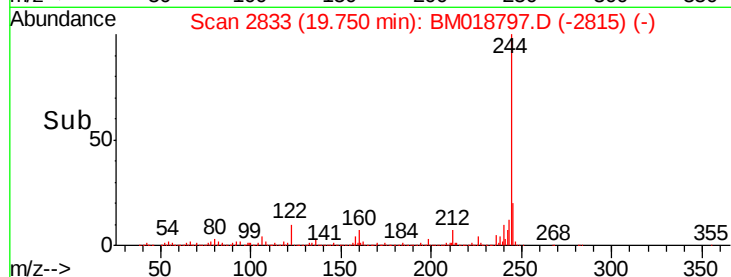
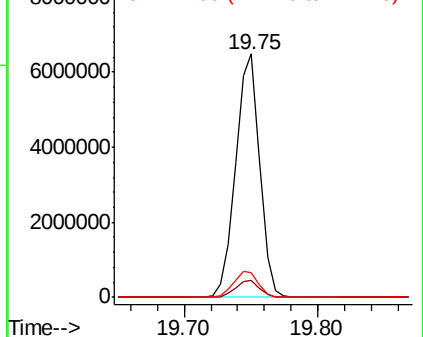
244 100

212 7.1 5.6 8.4

122 10.2 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: 23.57 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BM018797.D

Acq: 13 Feb 2019 06:06

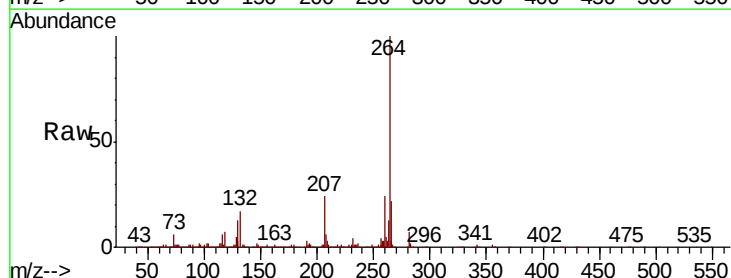
Tgt Ion:264 Resp: 1267395

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 22.2 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

