

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011819\  
 Data File : BM018641.D  
 Acq On : 18 Jan 2019 17:37  
 Operator : JU/SJ  
 Sample : K1180-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OILY-STONES

Quant Time: Jan 18 22:06:37 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

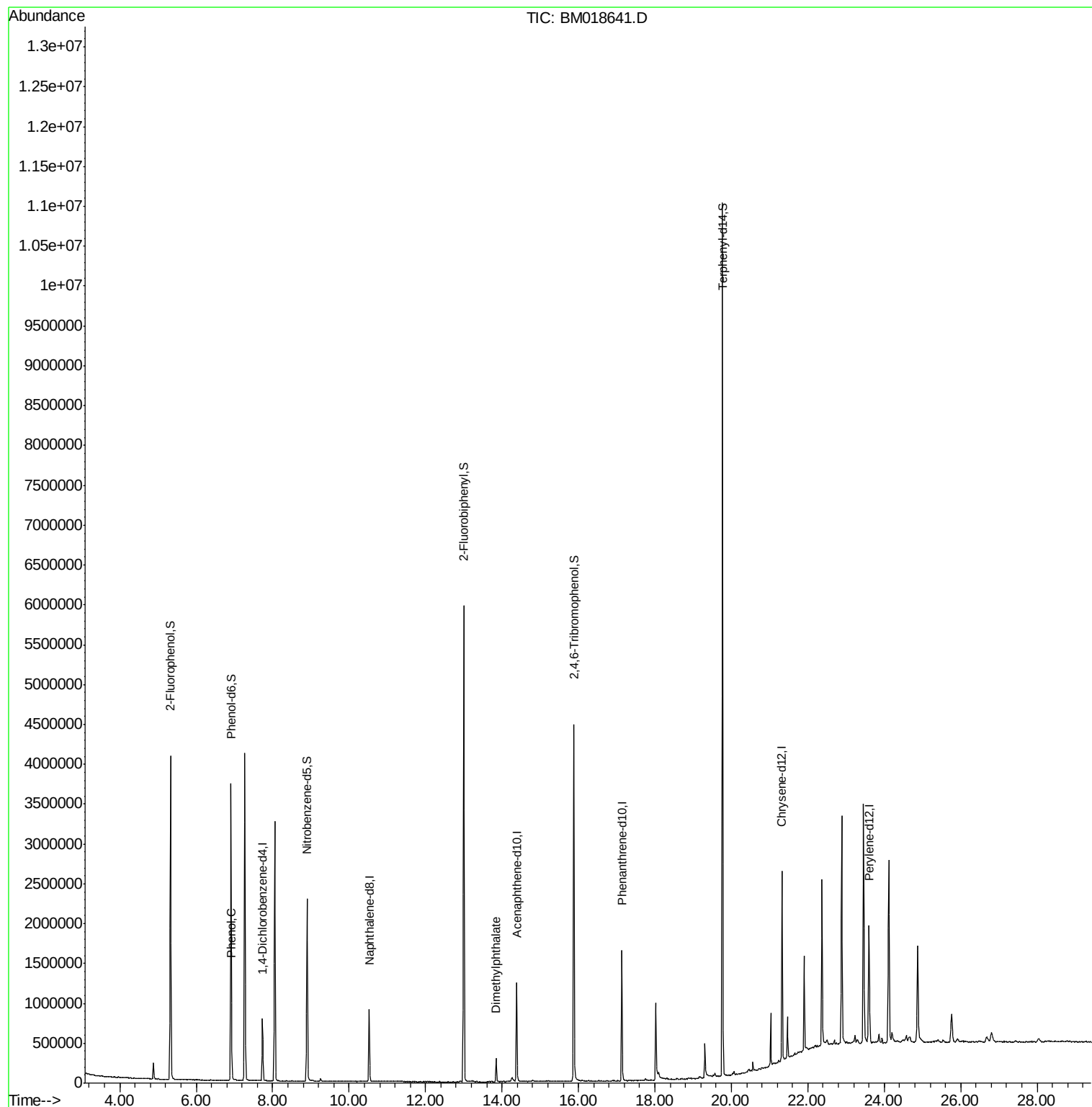
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.73  | 152  | 212766   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.53 | 136  | 784158   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.39 | 164  | 421018   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.13 | 188  | 951532   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 21.33 | 240  | 1056229  | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 23.60 | 264  | 1068390  | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.33  | 112  | 1689992  | 146.67 | ng    | 0.00        |
| 7) Phenol-d6                | 6.91  | 99   | 2062987  | 140.96 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 8.90  | 82   | 1268801  | 93.80  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 15.88 | 330  | 827546   | 154.37 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 13.00 | 172  | 3107651  | 96.32  | ng    | 0.00        |
| 79) Terphenyl-d14           | 19.77 | 244  | 4847274  | 96.74  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.93  | 94   | 31687    | 2.131  | ng    | Qvalue # 69 |
| 50) Dimethylphthalate       | 13.84 | 163  | 201323   | 5.822  | ng    | 99          |

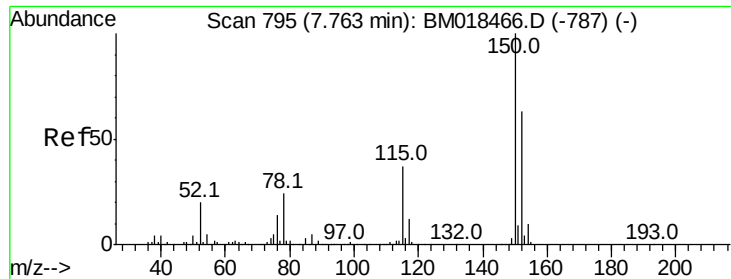
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_M  
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OILY-STONES

Quant Time: Jan 18 22:06:37 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



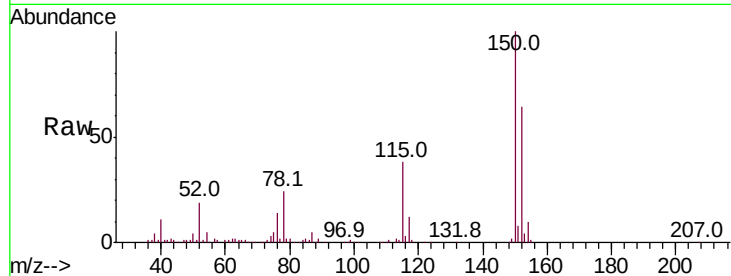


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.73 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BM018641.D  
Acq: 18 Jan 2019 17:37

Instrument :  
BNA\_M  
ClientSampleId :  
OILY-STONES

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.6 | 126.9 | 190.3 |
| 115     | 59.3  | 45.5  | 68.3  |

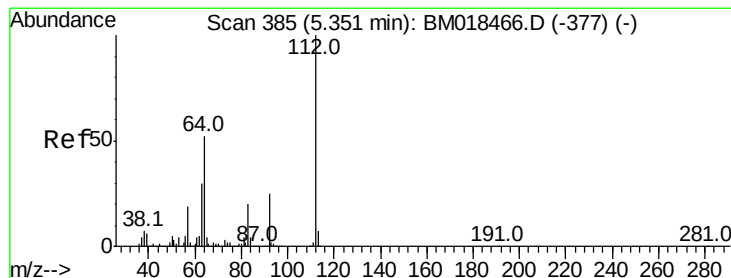
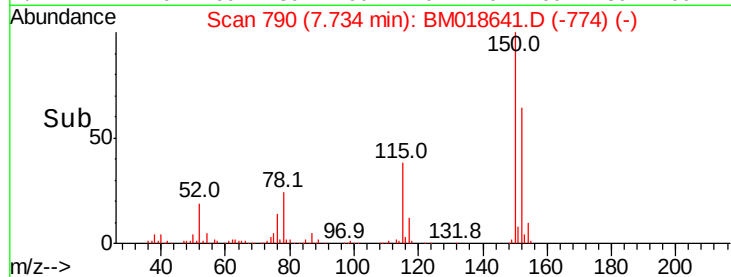
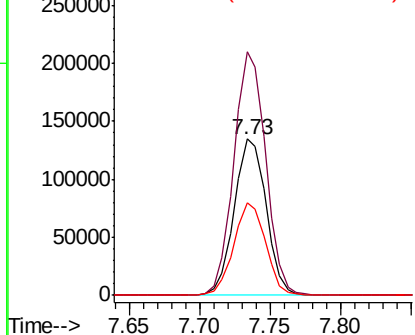


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

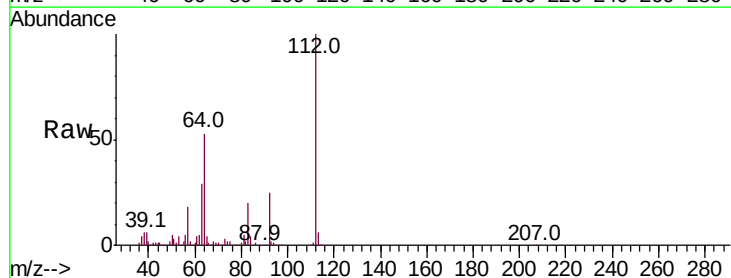
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 146.666 ng  
RT: 5.33 min Scan# 381  
Delta R.T. -0.00 min  
Lab File: BM018641.D  
Acq: 18 Jan 2019 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.4  | 46.5  | 69.7  |
| 63      | 29.0  | 25.2  | 37.8  |

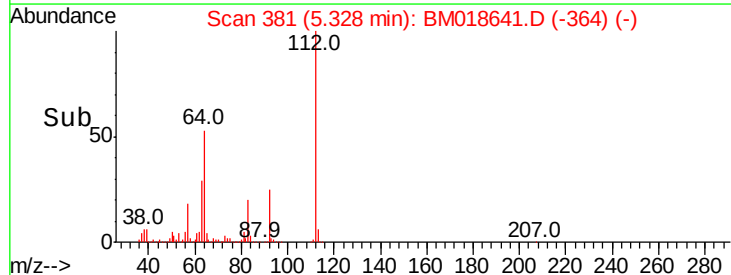
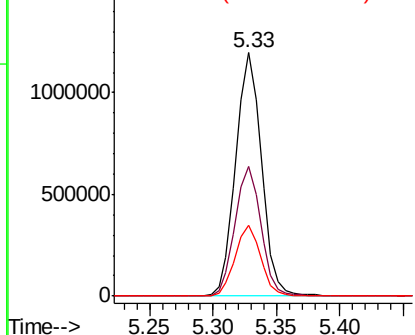


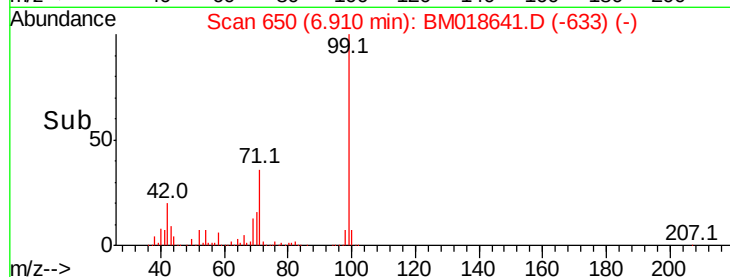
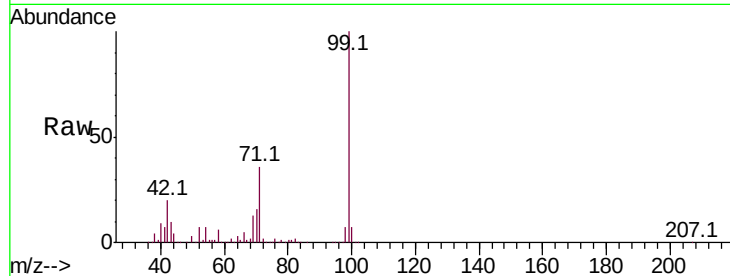
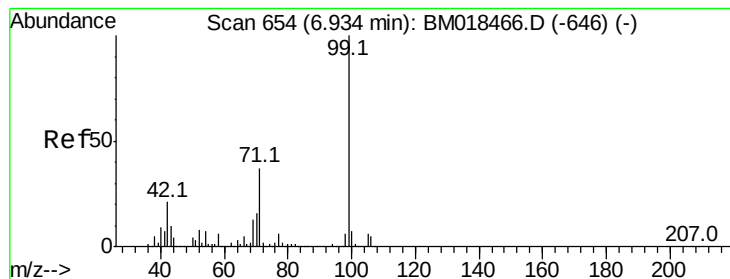
Abundance

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: 140.960 ng

RT: 6.91 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM018641.D

Acq: 18 Jan 2019 17:37

Instrument :

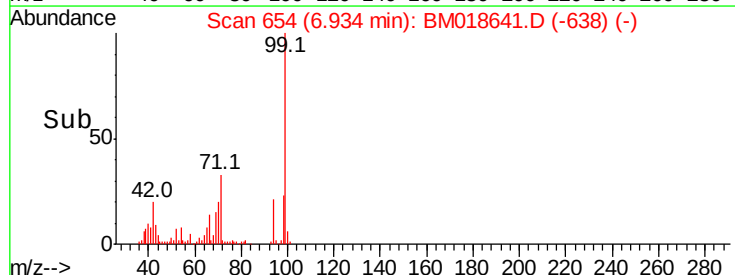
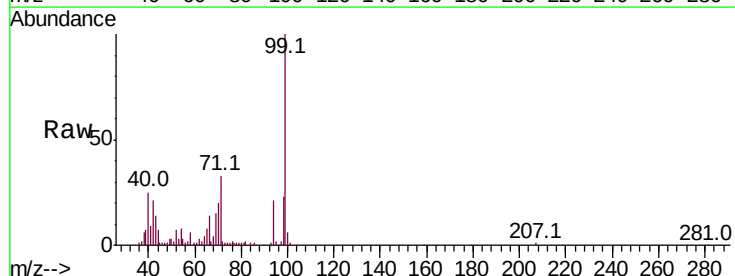
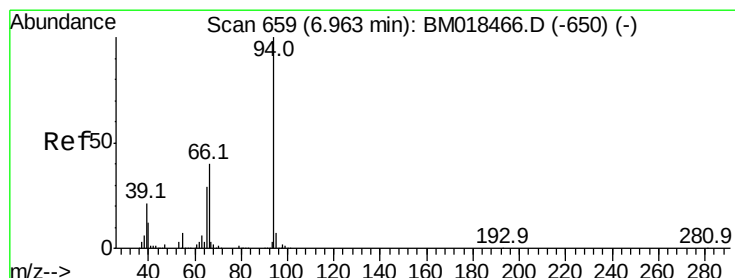
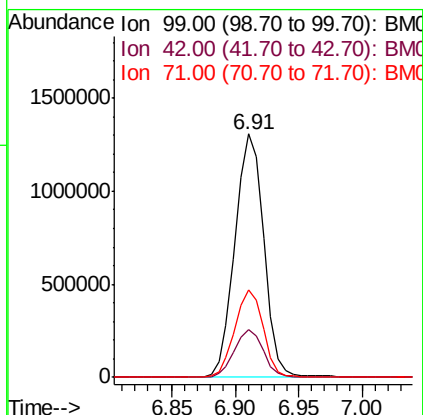
BNA\_M

ClientSampleId :

OILY-STONES

Tot Ion: 99 Resp: 2062987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.7  | 17.3  | 25.9  |
| 71  | 36.0  | 28.0  | 42.0  |



#10

Phenol

Concen: 2.131 ng

RT: 6.93 min Scan# 654

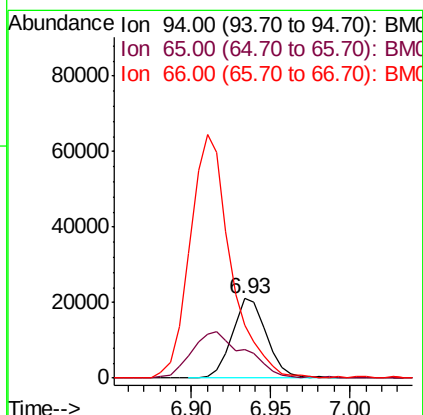
Delta R.T. -0.01 min

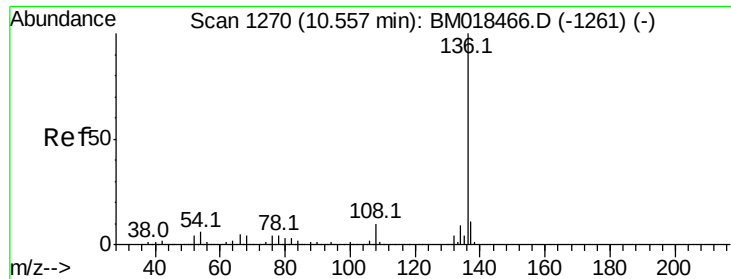
Lab File: BM018641.D

Acq: 18 Jan 2019 17:37

Tgt Ion: 94 Resp: 31687

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 36.1  | 9.4   | 49.4  |
| 66  | 66.2  | 19.1  | 59.1  |

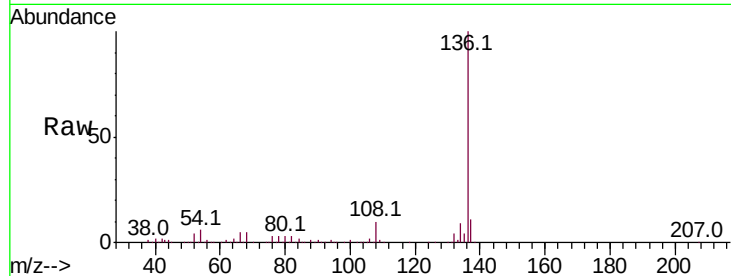




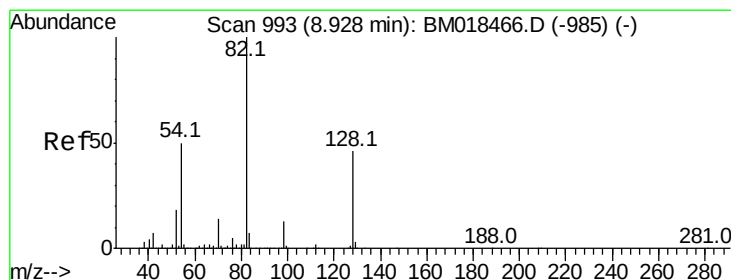
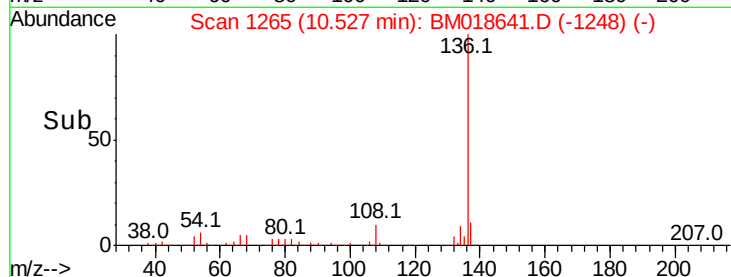
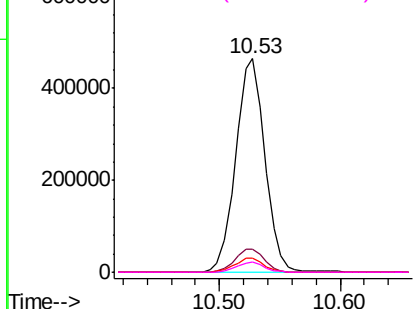
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.53 min Scan# 1265  
Delta R.T. -0.00 min  
Lab File: BM018641.D  
Acq: 18 Jan 2019 17:37

Instrument :  
BNA\_M  
ClientSampleId :  
OILY-STONES

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 784158   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.5 12.7 |
| 54          | 6.4   | 6.0 9.0  |
| 68          | 4.5   | 4.5 6.7  |

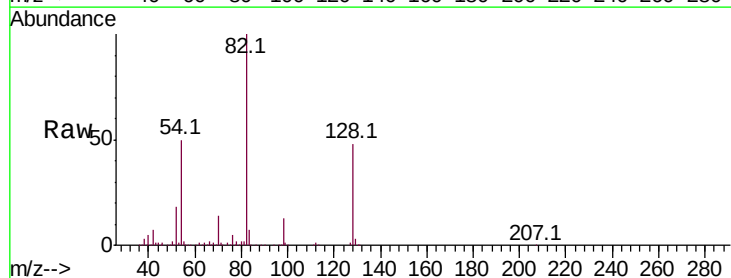


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

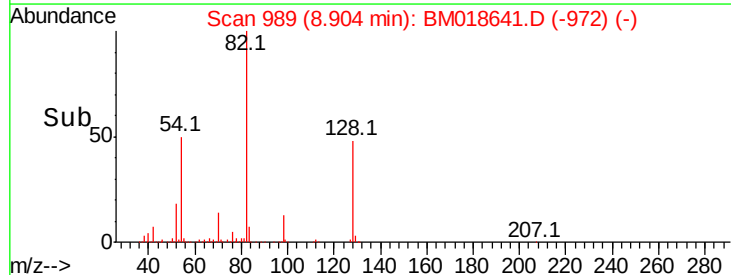
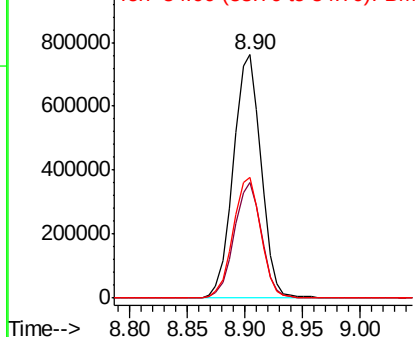


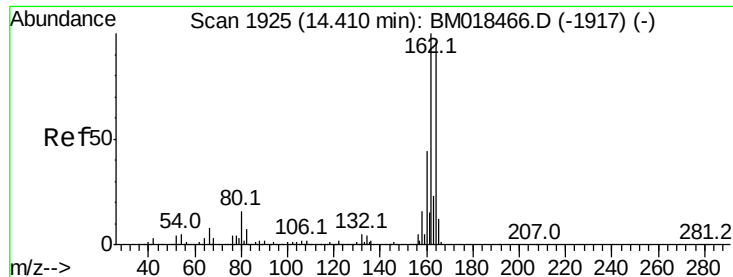
#23  
Nitrobenzene-d5  
Concen: 93.799 ng  
RT: 8.90 min Scan# 989  
Delta R.T. -0.00 min  
Lab File: BM018641.D  
Acq: 18 Jan 2019 17:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 1268801   |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 47.6  | 36.3 54.5 |
| 54          | 49.7  | 41.7 62.5 |



Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM

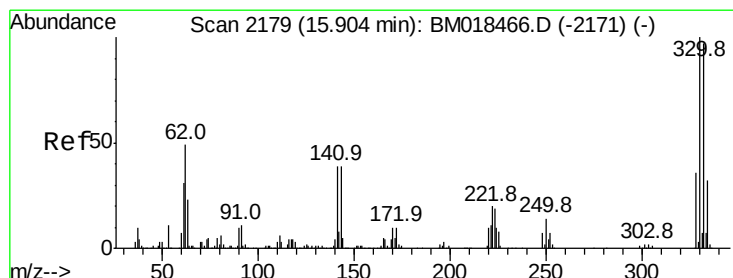
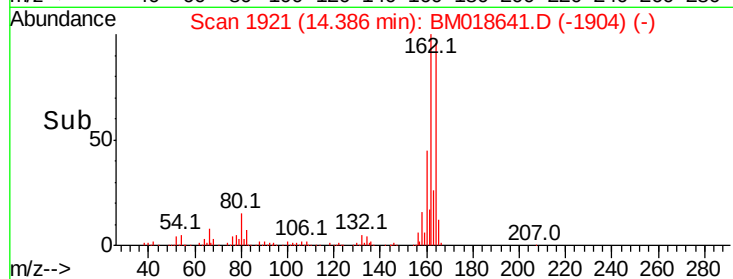
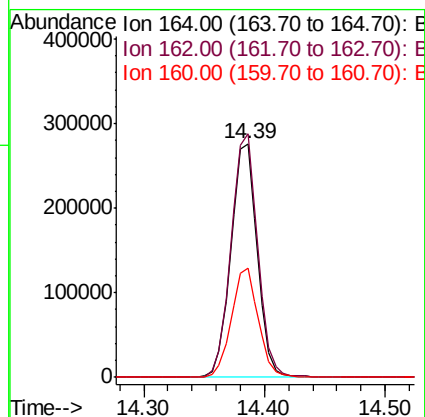
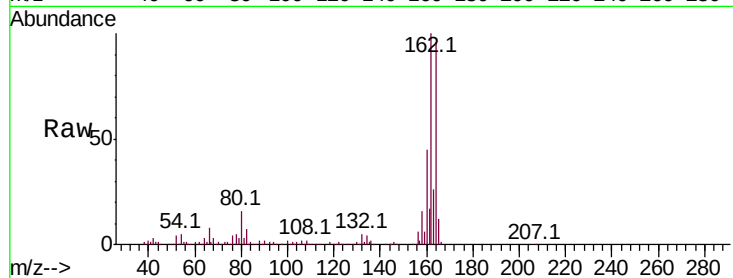




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.39 min Scan# 1921  
 Delta R.T. -0.00 min  
 Lab File: BM018641.D  
 Acq: 18 Jan 2019 17:37

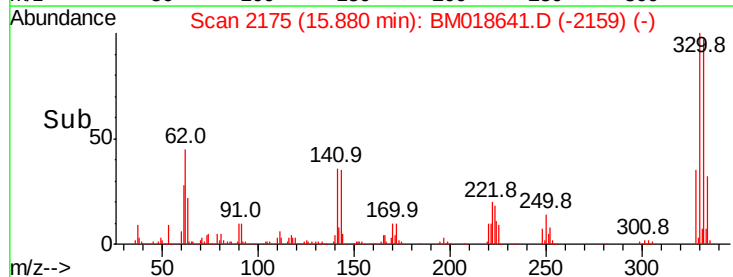
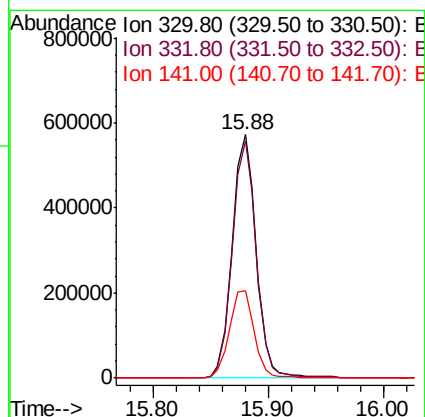
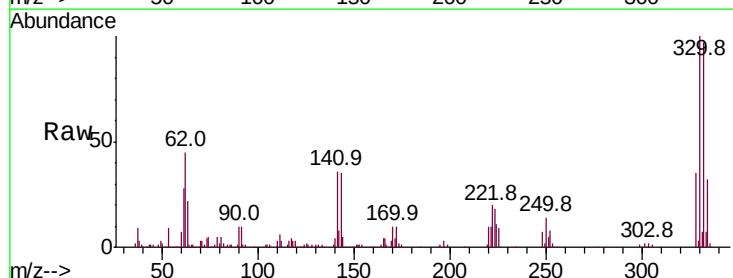
Instrument :  
 BNA\_M  
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 OILY-STONES

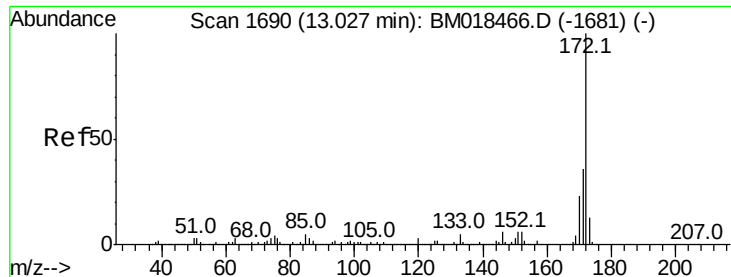
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 83.0  | 124.4 |
| 160     | 46.9  | 37.1  | 55.7  |



#42  
 2,4,6-Tribromophenol  
 Concen: 154.372 ng  
 RT: 15.88 min Scan# 2175  
 Delta R.T. -0.01 min  
 Lab File: BM018641.D  
 Acq: 18 Jan 2019 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.6  | 116.4 |
| 141     | 37.6  | 31.7  | 47.5  |

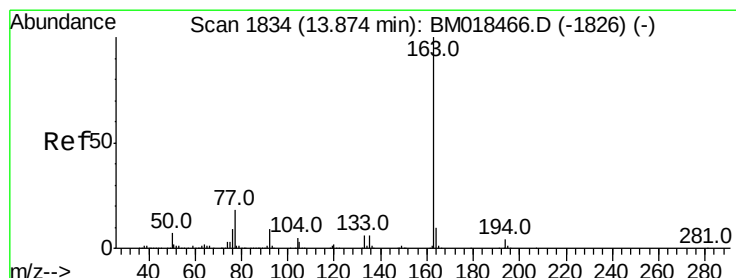
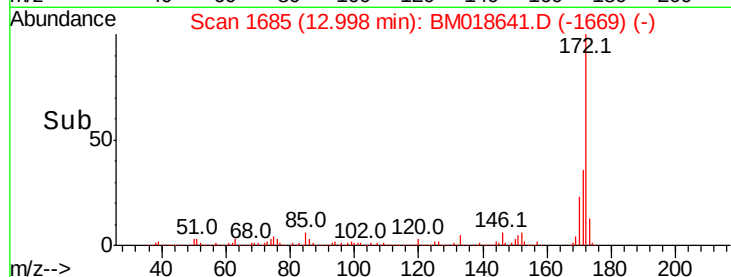
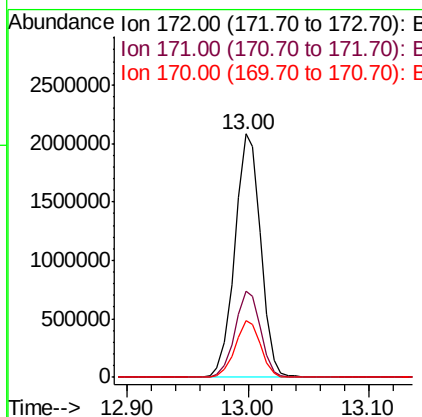
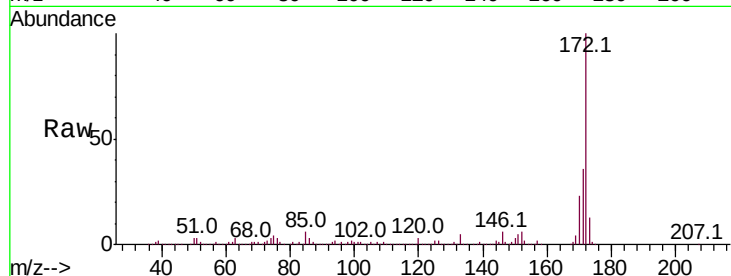




#45  
2-Fluorobiphenyl  
Concen: 96.316 ng  
RT: 13.00 min Scan# 1685  
Delta R.T. -0.01 min  
Lab File: BM018641.D  
Acq: 18 Jan 2019 17:37

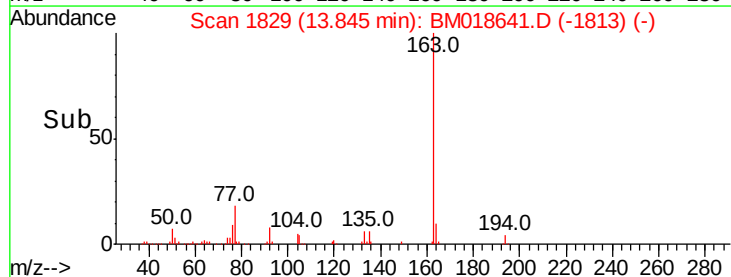
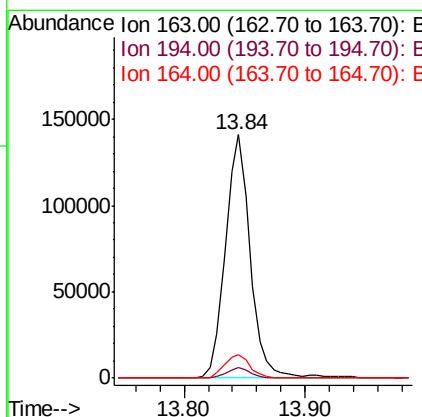
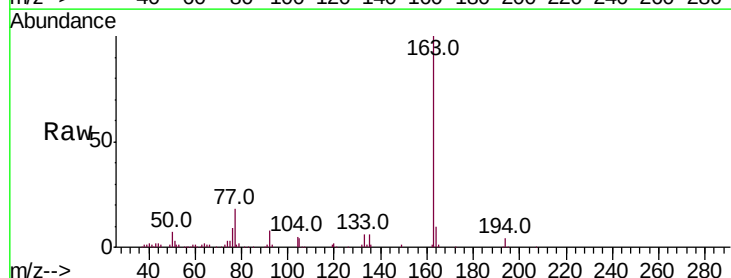
Instrument :  
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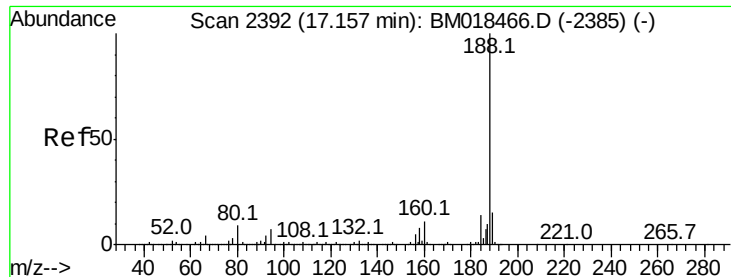
Tot Ion:172 Resp: 3107651  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.2 42.4  
170 23.3 18.9 28.3



#50  
Dimethylphthalate  
Concen: 5.822 ng  
RT: 13.84 min Scan# 1829  
Delta R.T. -0.01 min  
Lab File: BM018641.D  
Acq: 18 Jan 2019 17:37

Tgt Ion:163 Resp: 201323  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.0 4.6  
164 9.9 7.8 11.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.13 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BM018641.D

Acq: 18 Jan 2019 17:37

Instrument :

BNA\_M

ClientSampleId :

OILY-STONES

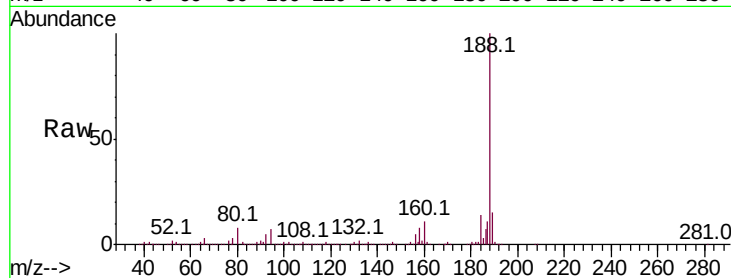
Tot Ion:188 Resp: 951532

Ion Ratio Lower Upper

188 100

94 7.4 7.1 10.7

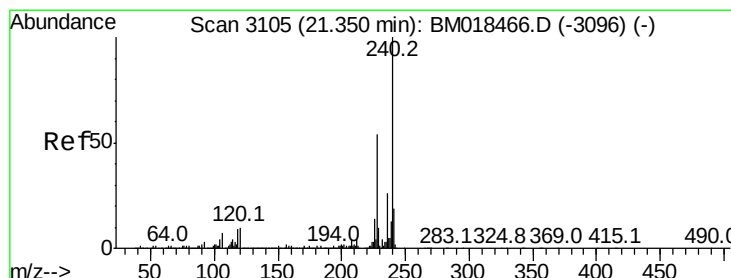
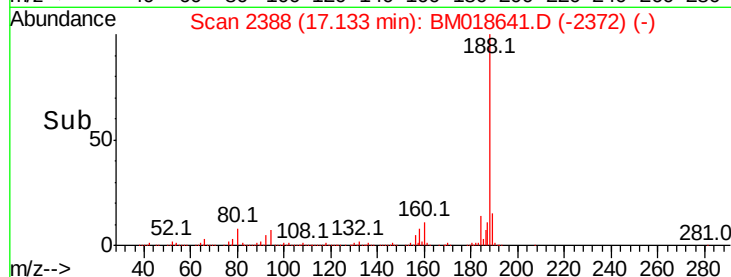
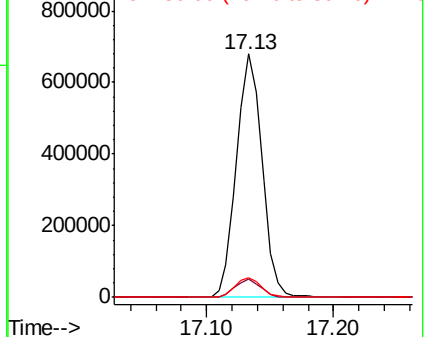
80 8.2 7.6 11.4



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: 21.33 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM018641.D

Acq: 18 Jan 2019 17:37

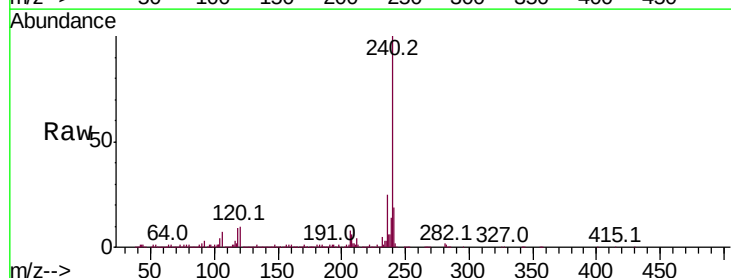
Tgt Ion:240 Resp: 1056229

Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

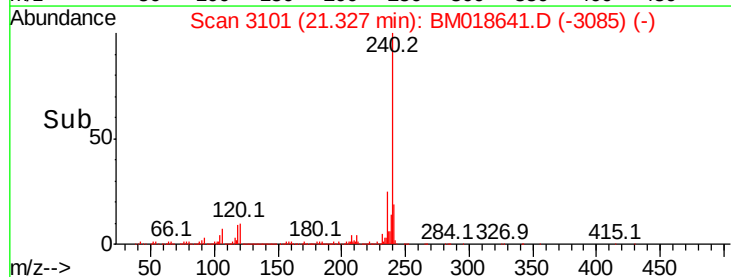
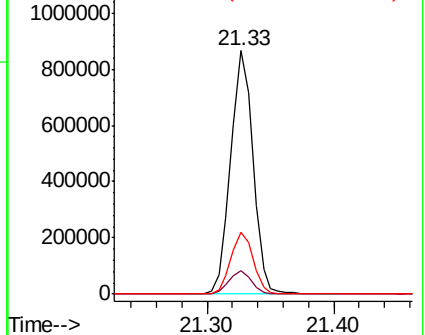
236 25.3 20.7 31.1



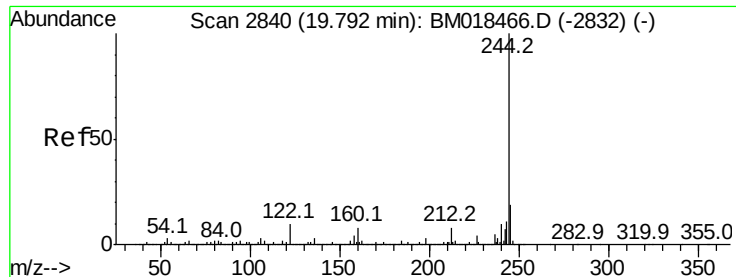
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 96.742 ng

RT: 19.77 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BM018641.D

Acq: 18 Jan 2019 17:37

Instrument :

BNA\_M

ClientSampleId :

OILY-STONES

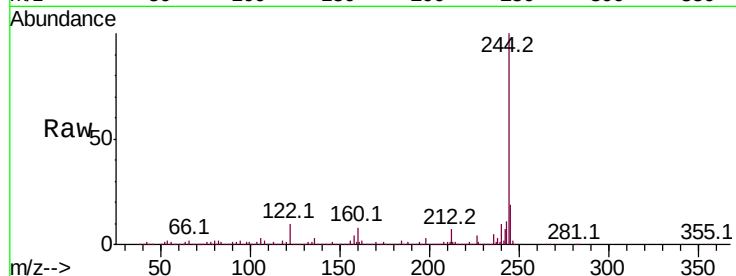
Tot Ion:244 Resp: 4847274

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

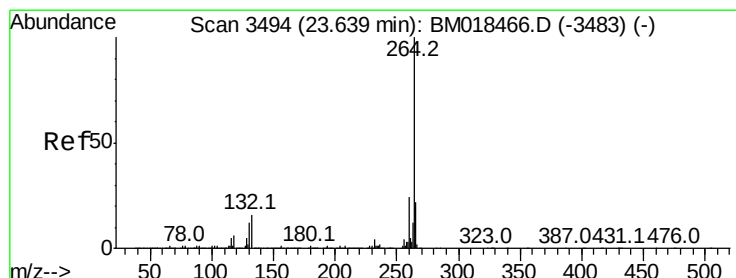
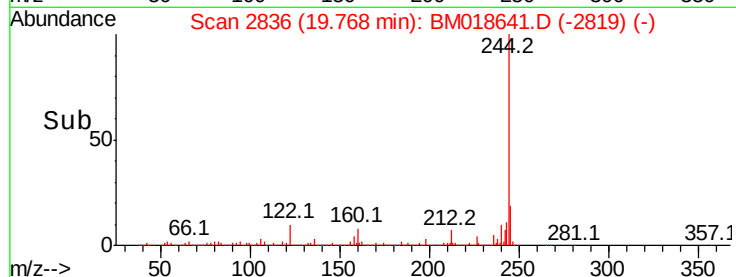
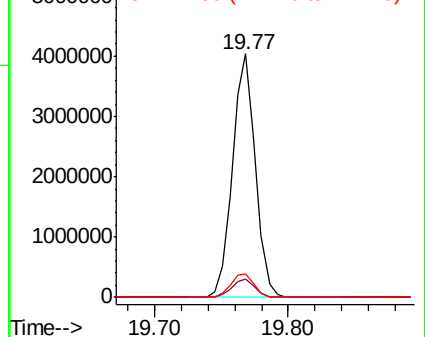
122 9.7 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 23.60 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM018641.D

Acq: 18 Jan 2019 17:37

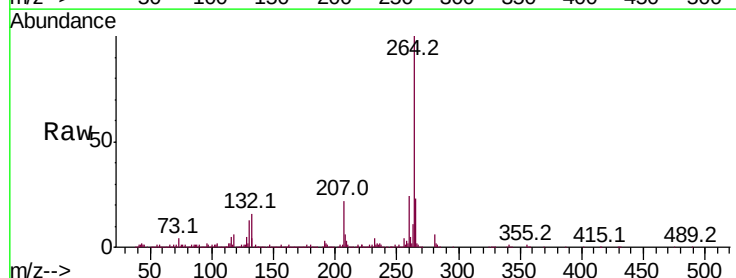
Tgt Ion:264 Resp: 1068390

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 22.5 16.8 25.2



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

