

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
 Data File : BM018588.D  
 Acq On : 16 Jan 2019 18:02  
 Operator : JU/SJ  
 Sample : K1149-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SW002-190114-01

Quant Time: Jan 17 01:23:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 10 05:57:41 2019  
 Response via : Initial Calibration

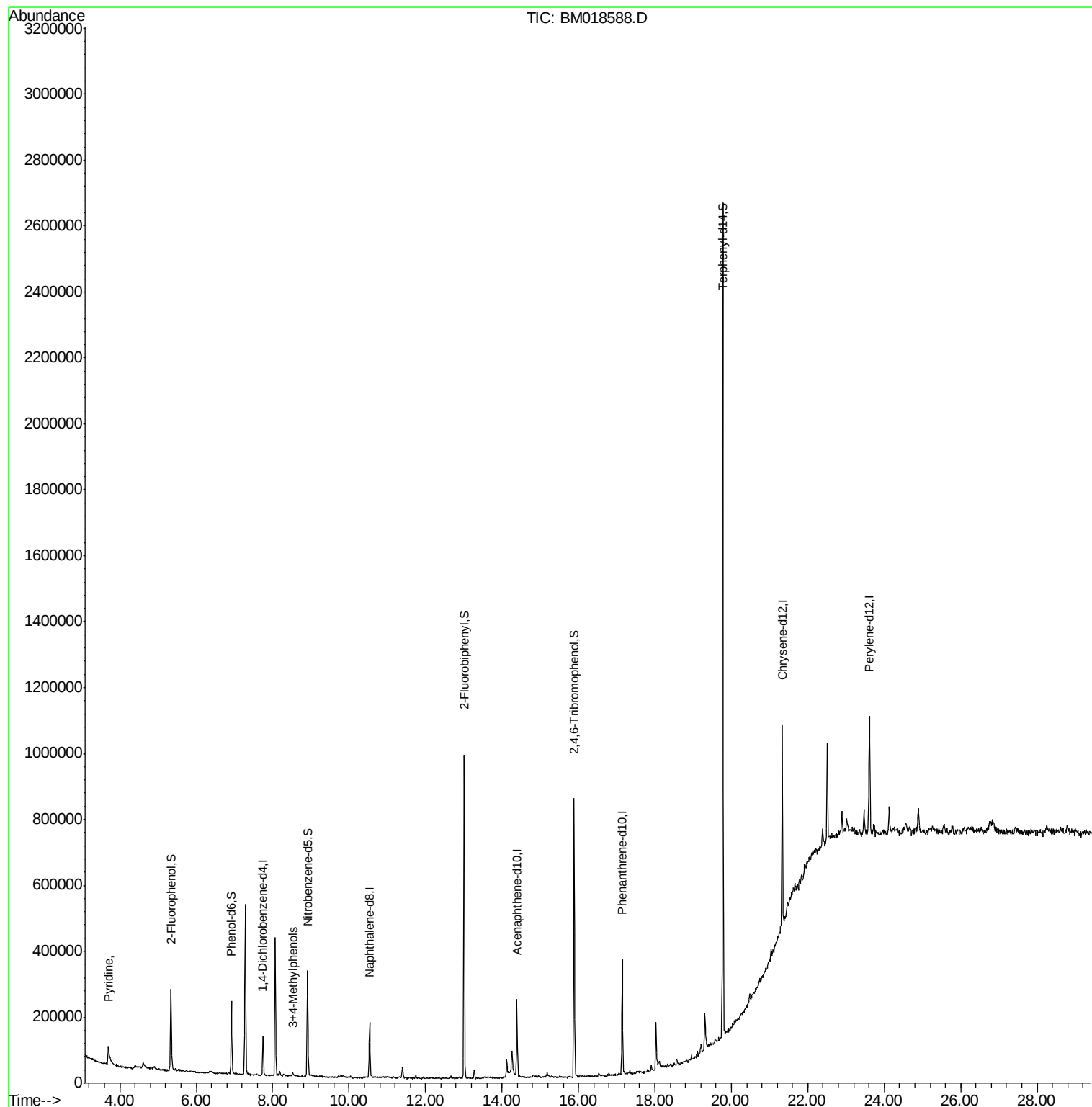
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.75  | 152  | 35366    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.54 | 136  | 136706   | 20.00  | ng    | -0.01     |
| 39) Acenaphthene-d10        | 14.39 | 164  | 76758    | 20.00  | ng    | -0.02     |
| 64) Phenanthrene-d10        | 17.14 | 188  | 197769   | 20.00  | ng    | -0.01     |
| 76) Chrysene-d12            | 21.33 | 240  | 274824   | 20.00  | ng    | -0.02     |
| 87) Perylene-d12            | 23.61 | 264  | 266315   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.34  | 112  | 123412   | 64.43  | ng    | -0.01     |
| 7) Phenol-d6                | 6.92  | 99   | 128316   | 52.75  | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 8.91  | 82   | 184051   | 78.05  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 15.89 | 330  | 146198   | 149.59 | ng    | -0.02     |
| 45) 2-Fluorobiphenyl        | 13.01 | 172  | 491857   | 83.61  | ng    | -0.01     |
| 79) Terphenyl-d14           | 19.77 | 244  | 1059135  | 81.24  | ng    | -0.01     |
| Target Compounds            |       |      |          |        |       |           |
| 3) Pyridine                 | 3.70  | 79   | 59353    | 30.496 | ng    | Qvalue 90 |
| 20) 3+4-Methylphenols       | 8.52  | 107  | 5018     | 2.166  | ng    | 94        |

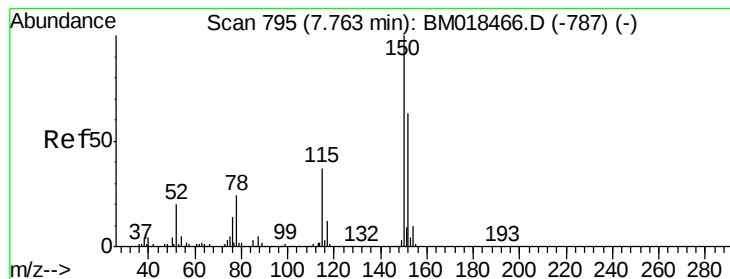
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018588.D  
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Sample : K1149-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SW002-190114-01

Quant Time: Jan 17 01:23:35 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 10 05:57:41 2019  
Response via : Initial Calibration



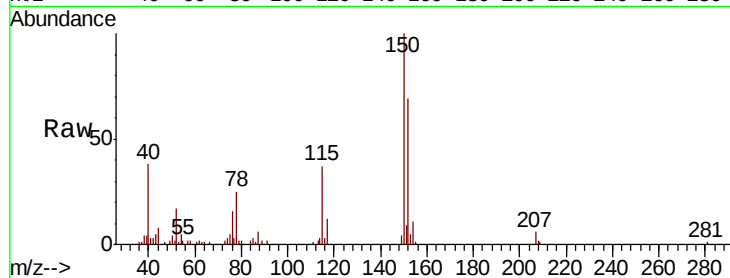


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.75 min Scan# 793  
 Delta R.T. -0.01 min  
 Lab File: BM018588.D  
 Acq: 16 Jan 2019 18:02

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SW002-190114-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.4 | 126.9 | 190.3 |
| 115     | 53.7  | 45.5  | 68.3  |

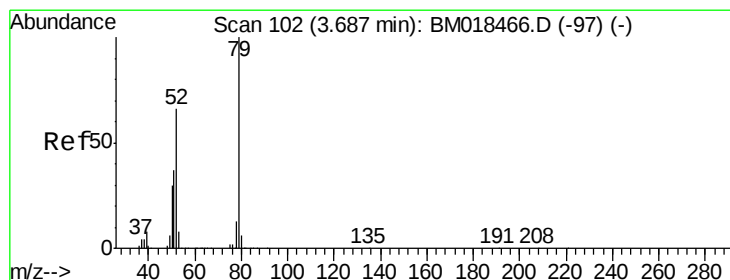
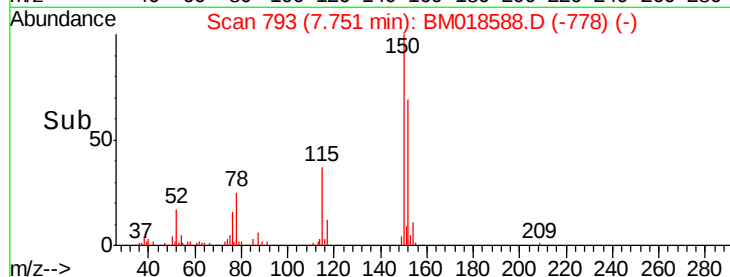
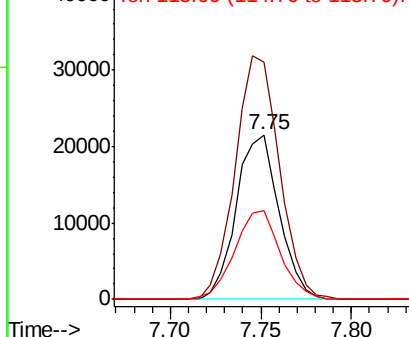


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

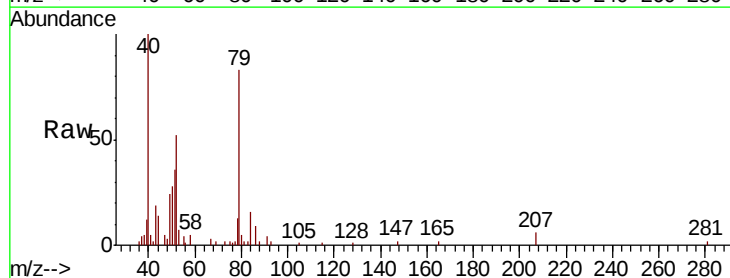
Ion 115.00 (114.70 to 115.70): E



#3

Pyridine  
 Concen: 30.496 ng  
 RT: 3.70 min Scan# 104  
 Delta R.T. -0.01 min  
 Lab File: BM018588.D  
 Acq: 16 Jan 2019 18:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 62.1  | 56.4  | 84.6  |
| 51      | 43.8  | 31.0  | 46.4  |

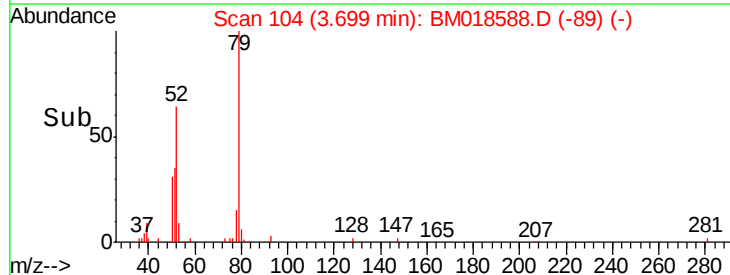
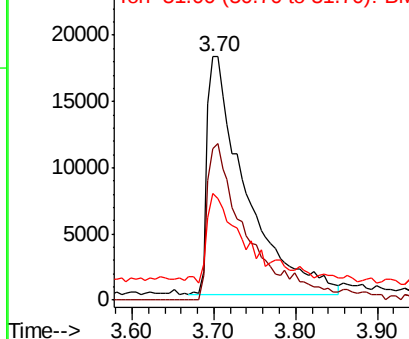


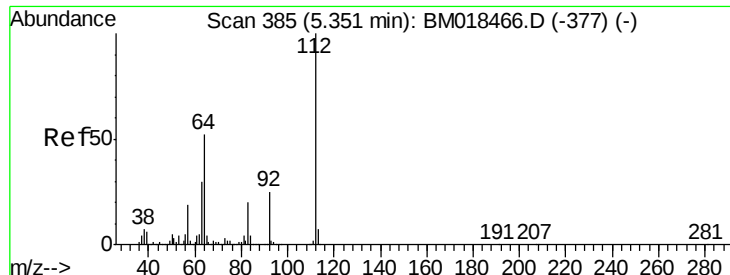
Abundance

Ion 79.00 (78.70 to 79.70): BM0

Ion 52.00 (51.70 to 52.70): BM0

Ion 51.00 (50.70 to 51.70): BM0





#5

2-Fluorophenol

Concen: 64.435 ng

RT: 5.34 min Scan# 383

Delta R.T. -0.01 min

Lab File: BM018588.D

Acq: 16 Jan 2019 18:02

Instrument :

BNA\_M

ClientSampleId :

SW002-190114-01

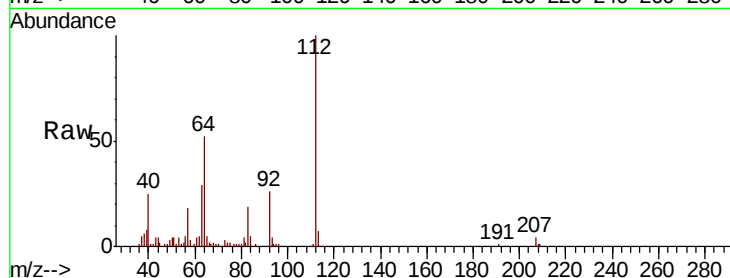
Tot Ion: 112 Resp: 123412

Ion Ratio Lower Upper

112 100

64 52.4 46.5 69.7

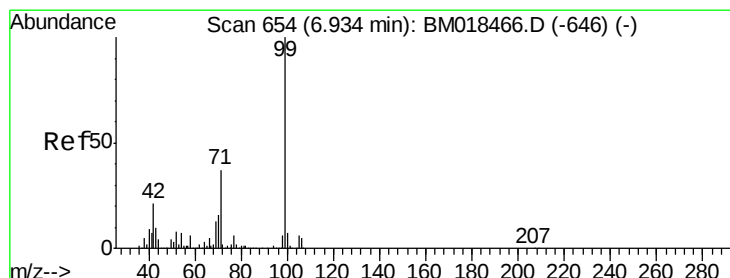
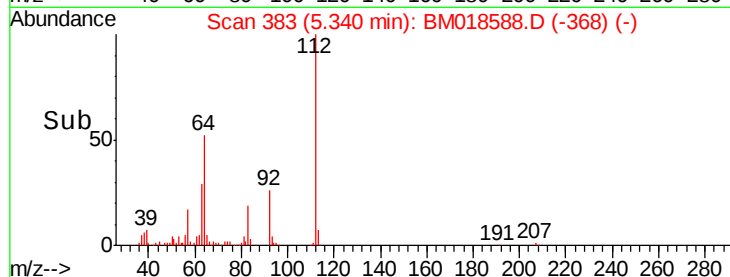
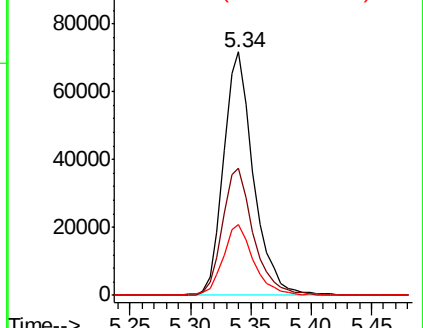
63 29.2 25.2 37.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 52.747 ng

RT: 6.92 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM018588.D

Acq: 16 Jan 2019 18:02

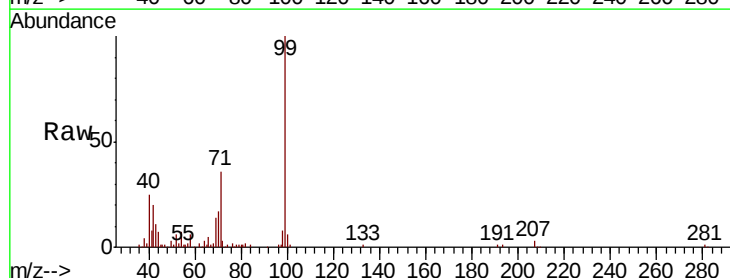
Tgt Ion: 99 Resp: 128316

Ion Ratio Lower Upper

99 100

42 19.8 17.3 25.9

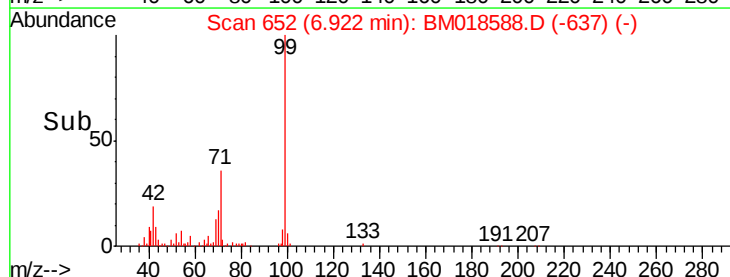
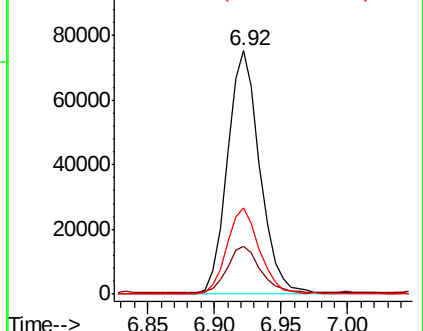
71 35.7 28.0 42.0

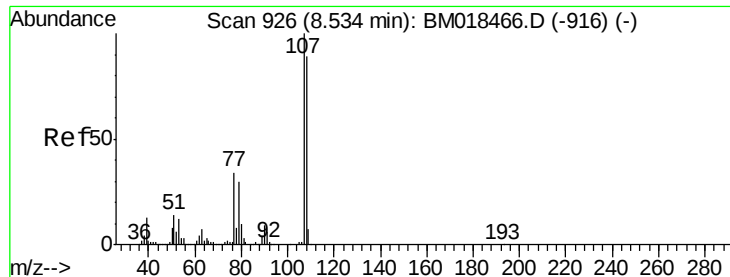


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM

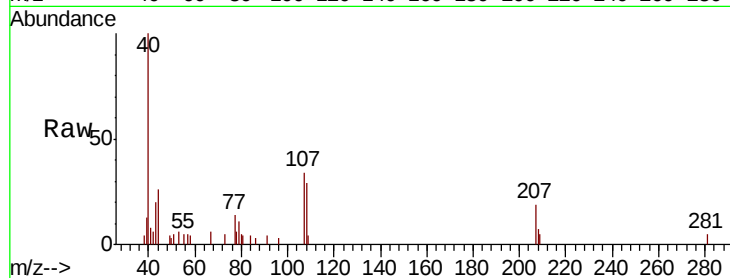




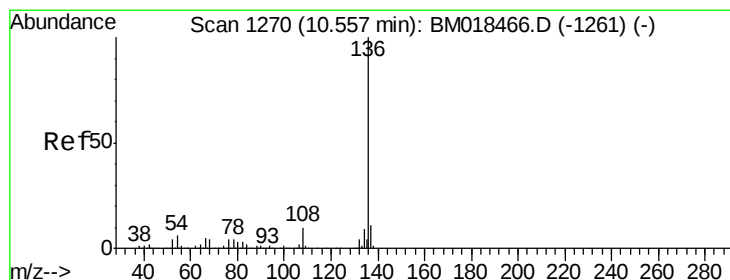
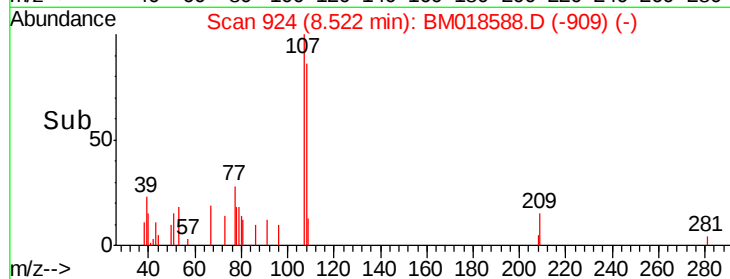
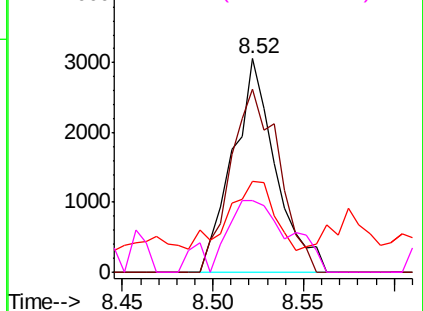
#20  
3+4-Methylphenols  
Concen: 2.166 ng  
RT: 8.52 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: BM018588.D  
Acq: 16 Jan 2019 18:02

Instrument :  
BNA\_M  
ClientSampleId :  
SW002-190114-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 5018  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 85.8  | 66.8  | 106.8 |
| 77       | 42.4  | 13.3  | 53.3  |
| 79       | 33.6  | 8.8   | 48.8  |

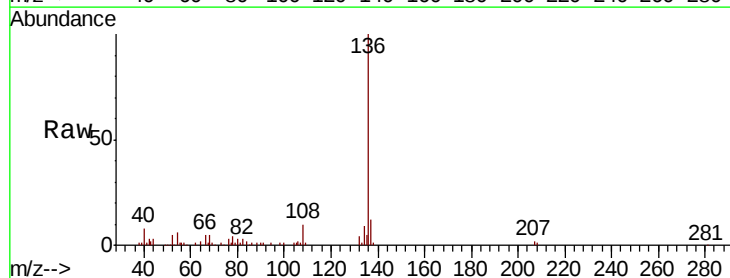


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BM0  
Ion 79.00 (78.70 to 79.70): BM0

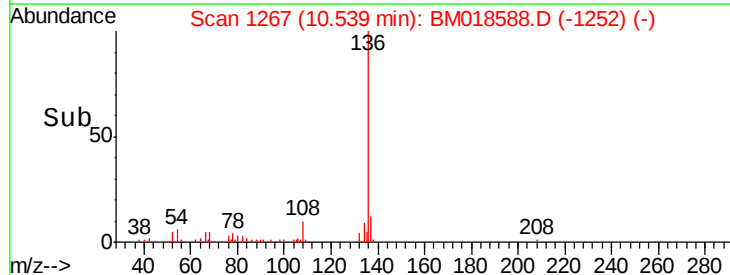
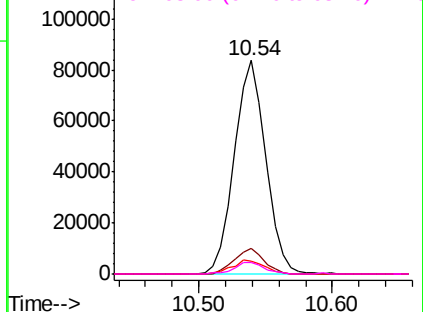


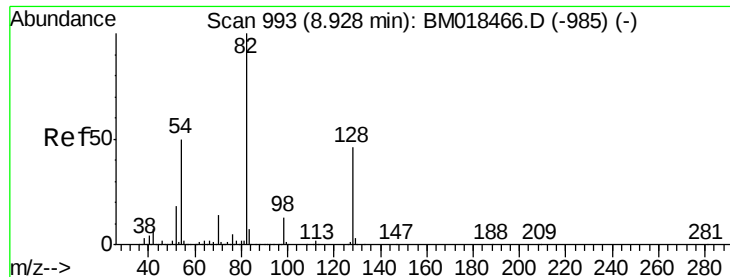
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.54 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BM018588.D  
Acq: 16 Jan 2019 18:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 136706 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.8  | 8.5   | 12.7   |
| 54       | 6.3   | 6.0   | 9.0    |
| 68       | 5.2   | 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): BM0  
Ion 68.00 (67.70 to 68.70): BM0

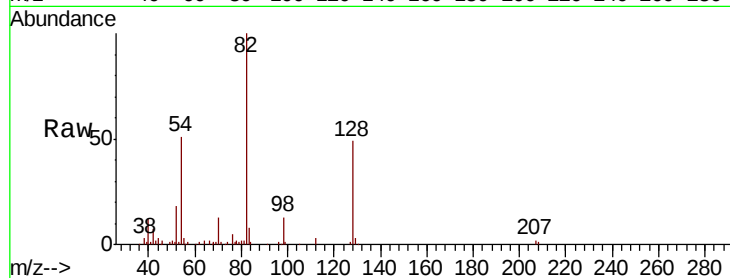




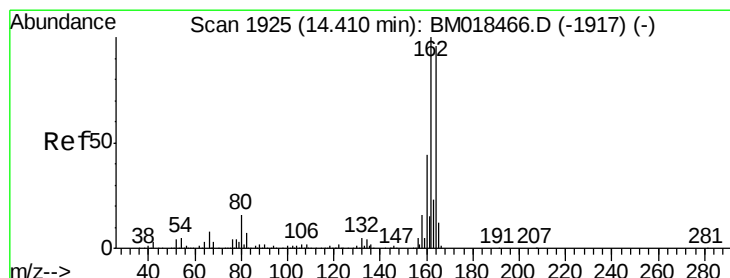
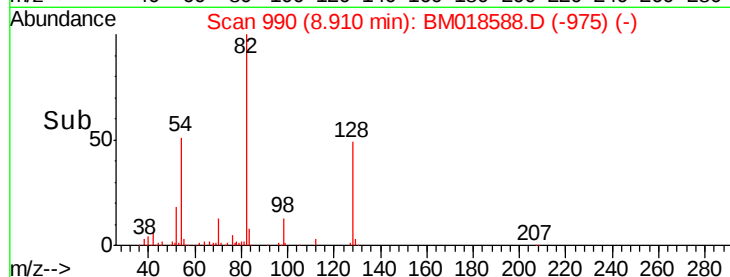
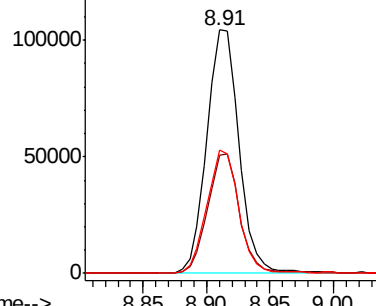
#23  
 Nitrobenzene-d5  
 Concen: 78.048 ng  
 RT: 8.91 min Scan# 990  
 Delta R.T. -0.01 min  
 Lab File: BM018588.D  
 Acq: 16 Jan 2019 18:02

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SW002-190114-01

| Tot Ion   | 82    | Resp  | 184051 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.7  | 36.3  | 54.5   |
| 54        | 50.7  | 41.7  | 62.5   |

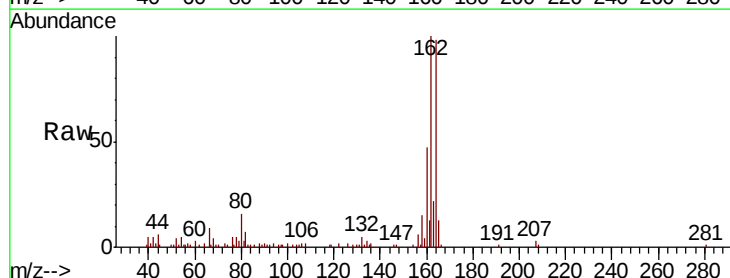


Abundance Ion 82.00 (81.70 to 82.70): BM018466.D (-985) (-)

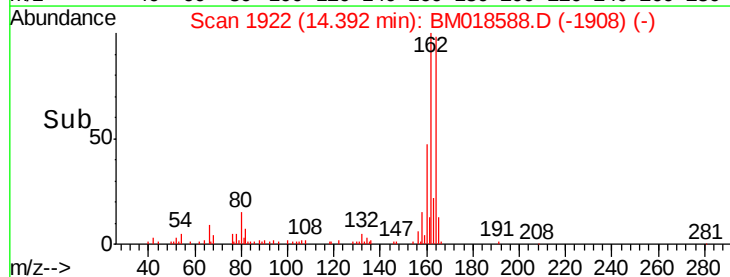
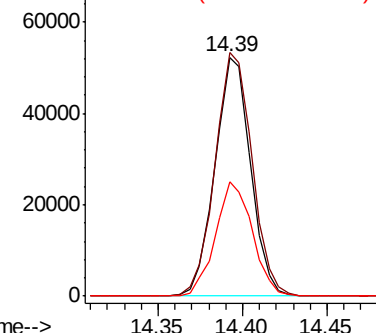


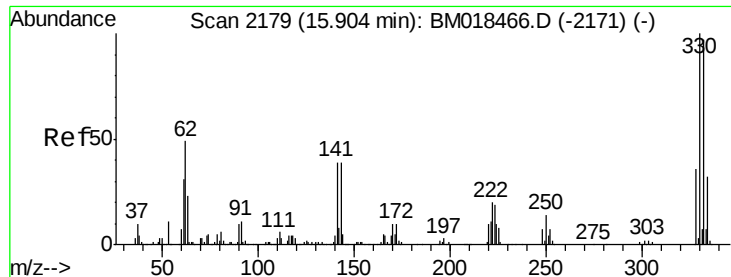
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.39 min Scan# 1922  
 Delta R.T. -0.02 min  
 Lab File: BM018588.D  
 Acq: 16 Jan 2019 18:02

| Tgt Ion   | 164   | Resp  | 76758 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.8 | 83.0  | 124.4 |
| 160       | 47.8  | 37.1  | 55.7  |



Abundance Ion 164.00 (163.70 to 164.70): BM018466.D (-1917) (-)





#42

2,4,6-Tribromophenol

Concen: 149.587 ng

RT: 15.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BM018588.D

Acq: 16 Jan 2019 18:02

Instrument :

BNA\_M

ClientSampleId :

SW002-190114-01

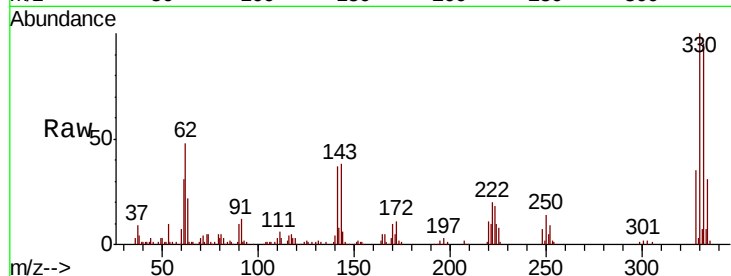
Tot Ion:330 Resp: 146198

Ion Ratio Lower Upper

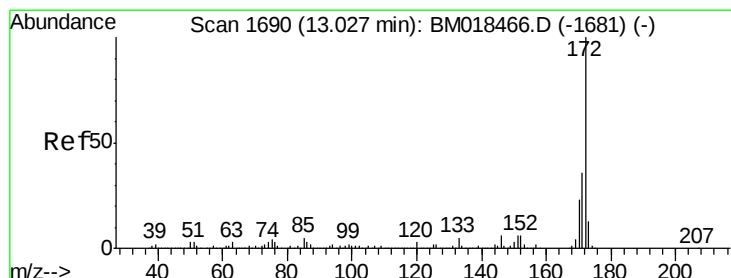
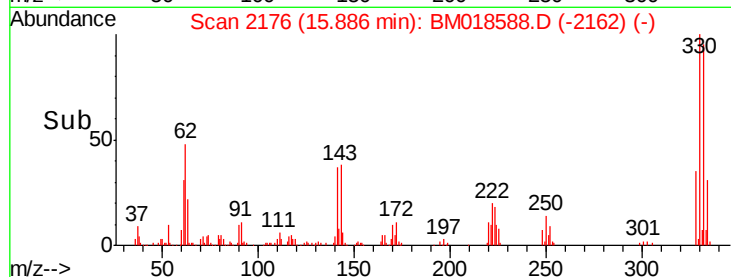
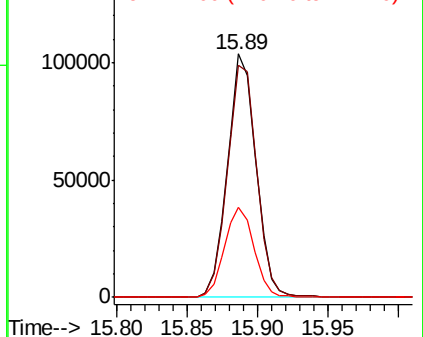
330 100

332 98.4 77.6 116.4

141 38.1 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: 83.614 ng

RT: 13.01 min Scan# 1687

Delta R.T. -0.01 min

Lab File: BM018588.D

Acq: 16 Jan 2019 18:02

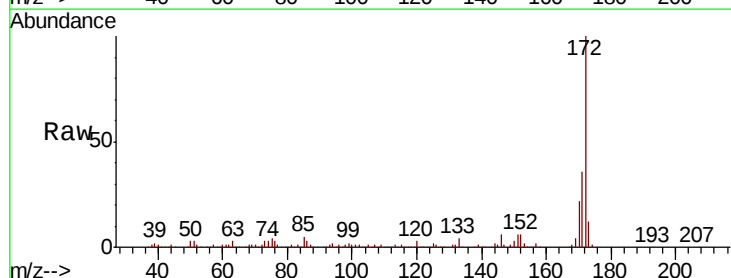
Tgt Ion:172 Resp: 491857

Ion Ratio Lower Upper

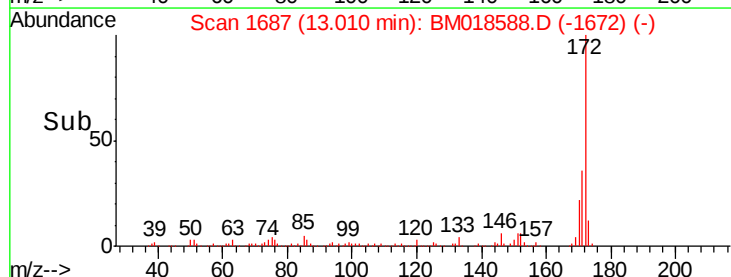
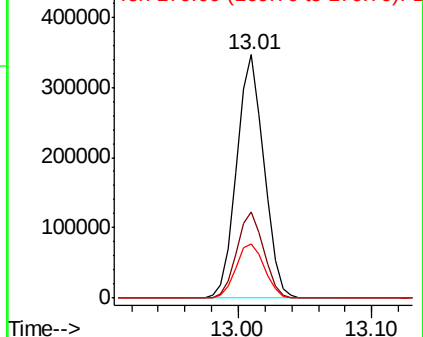
172 100

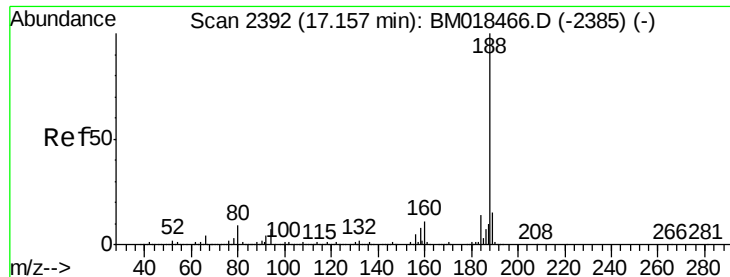
171 35.6 28.2 42.4

170 22.2 18.9 28.3



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

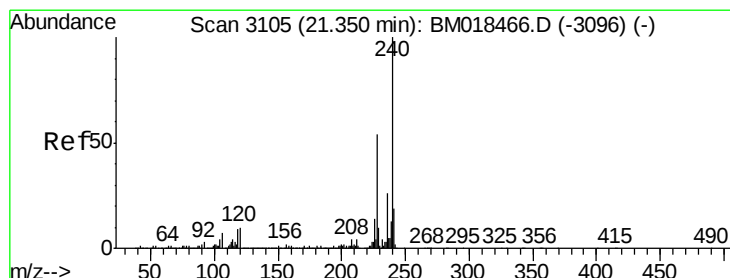
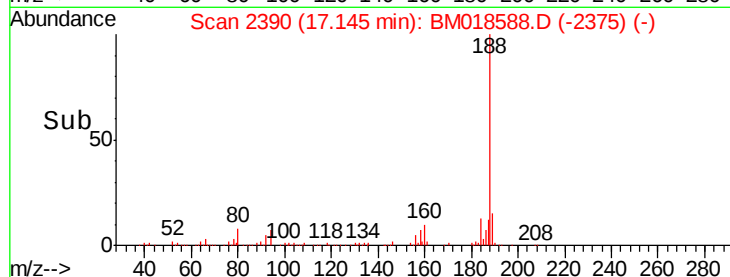
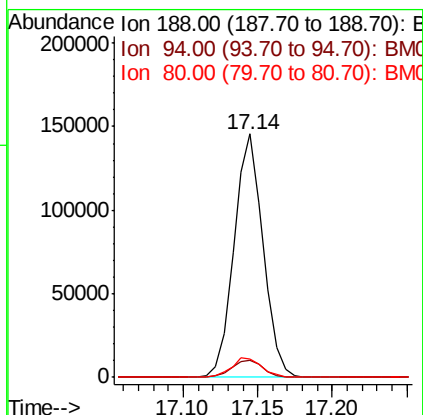
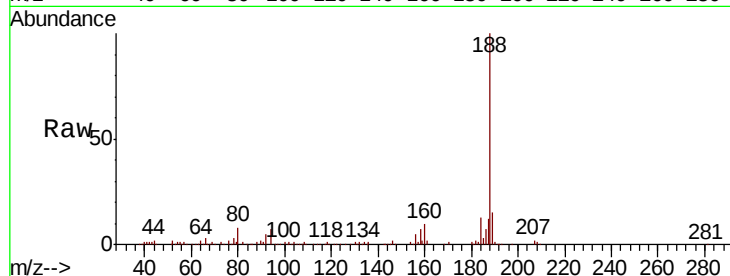




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.14 min Scan# 2390  
Delta R.T. -0.01 min  
Lab File: BM018588.D  
Acq: 16 Jan 2019 18:02

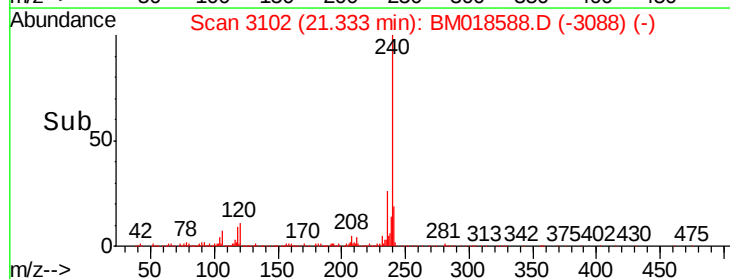
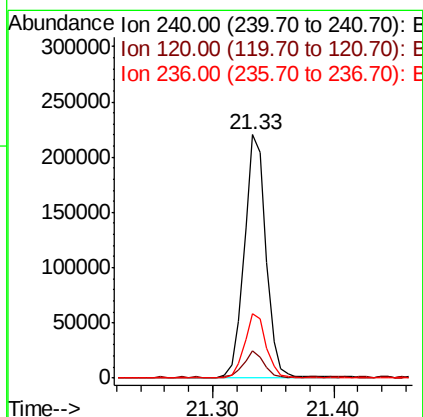
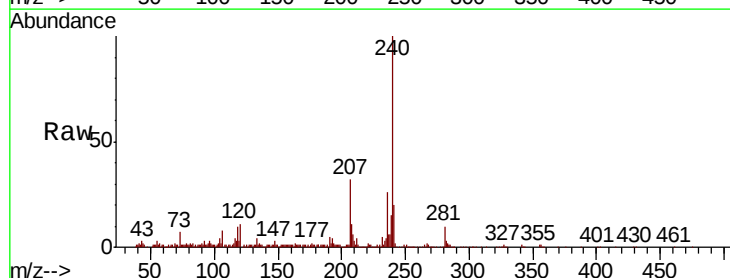
Instrument :  
BNA\_M  
ClientSampleId :  
SW002-190114-01

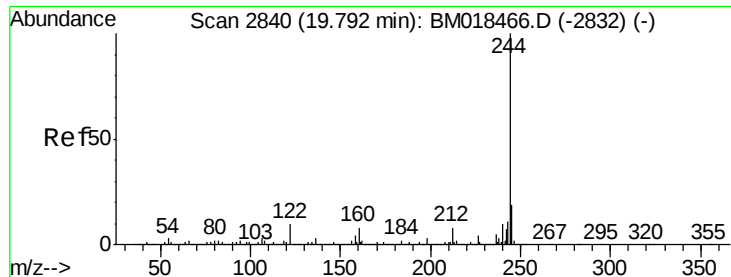
Tot Ion:188 Resp: 197769  
Ion Ratio Lower Upper  
188 100  
94 6.8 7.1 10.7#  
80 7.7 7.6 11.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.33 min Scan# 3102  
Delta R.T. -0.02 min  
Lab File: BM018588.D  
Acq: 16 Jan 2019 18:02

Tgt Ion:240 Resp: 274824  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.4 12.6  
236 26.3 20.7 31.1





#79

Terphenyl-d14

Concen: 81.241 ng

RT: 19.77 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BM018588.D

Acq: 16 Jan 2019 18:02

Instrument :

BNA\_M

ClientSampleId :

SW002-190114-01

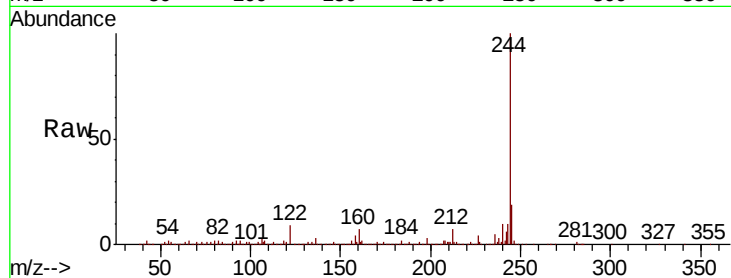
Tot Ion:244 Resp: 1059135

Ion Ratio Lower Upper

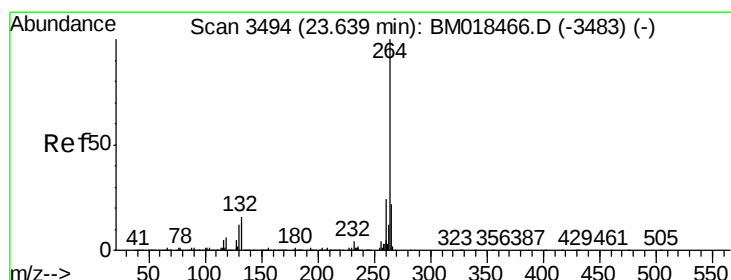
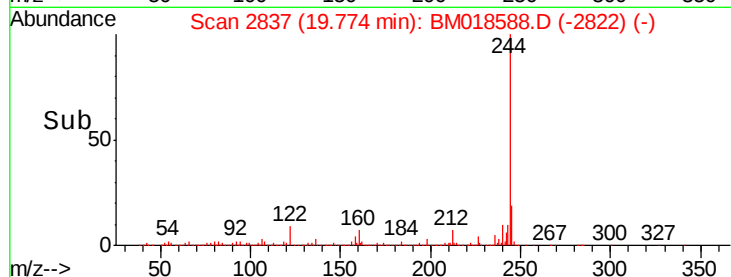
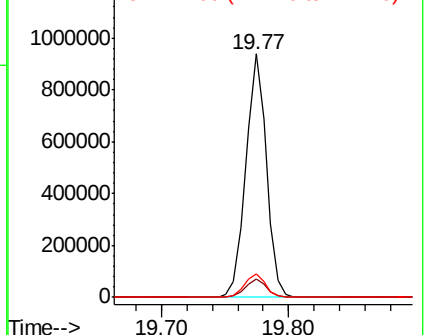
244 100

212 7.4 5.9 8.9

122 9.4 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: 23.61 min Scan# 3489

Delta R.T. -0.02 min

Lab File: BM018588.D

Acq: 16 Jan 2019 18:02

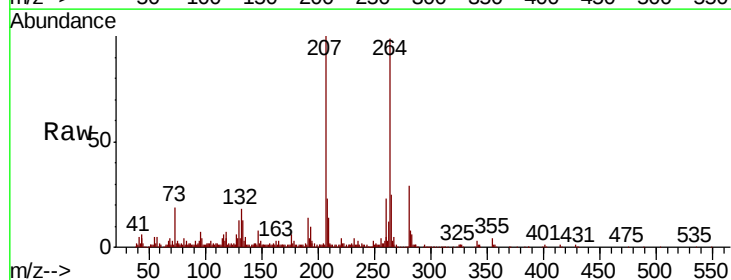
Tgt Ion:264 Resp: 266315

Ion Ratio Lower Upper

264 100

260 22.8 18.9 28.3

265 25.1 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

