

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121518\  
 Data File : BM018209.D  
 Acq On : 15 Dec 2018 18:18  
 Operator : JU/SJ  
 Sample : J6397-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SODUP01\_121218

Quant Time: Dec 15 21:46:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 15 21:39:37 2018  
 Response via : Initial Calibration

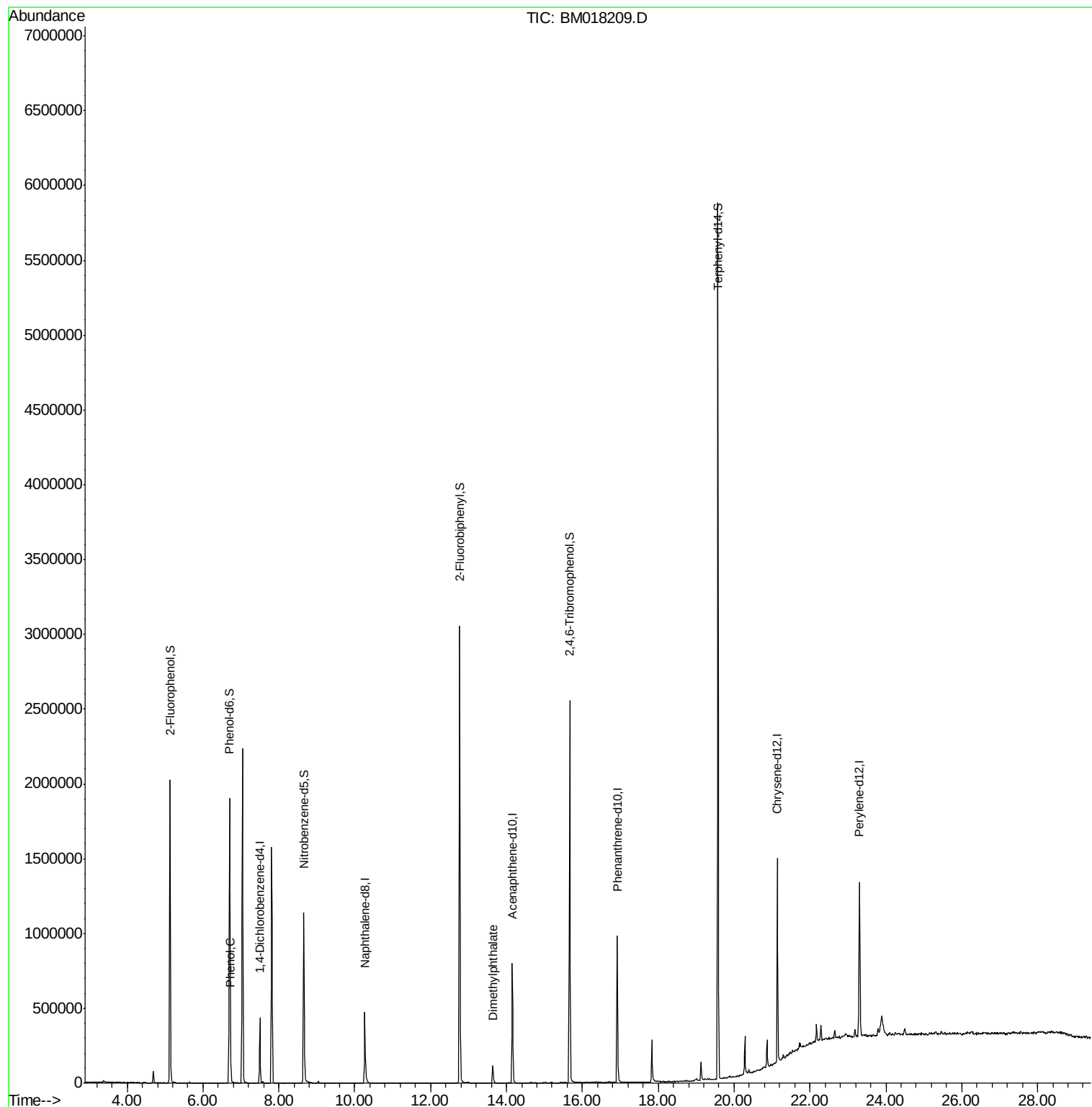
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 112898   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.27 | 136  | 441532   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.16 | 164  | 265920   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.92 | 188  | 600722   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.14 | 240  | 682784   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.30 | 264  | 691305   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.13  | 112  | 857422   | 126.87 | ng    | 0.00     |
| 7) Phenol-d6                | 6.70  | 99   | 1136112  | 120.94 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.66  | 82   | 715790   | 83.15  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.67 | 330  | 482137   | 123.53 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.77 | 172  | 1631948  | 79.49  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.57 | 244  | 2634591  | 87.27  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.73  | 94   | 77768    | 7.817  | ng    | 98       |
| 50) Dimethylphthalate       | 13.64 | 163  | 100218   | 4.533  | ng    | 98       |

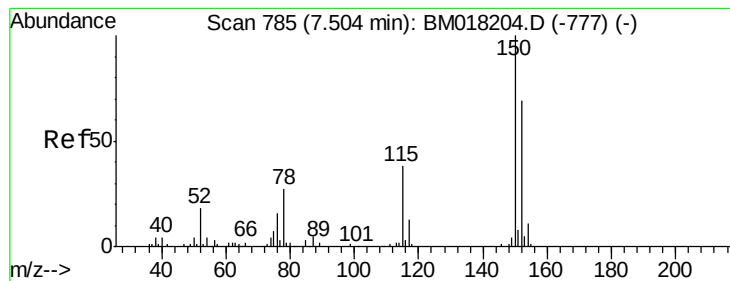
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121518\  
Data File : BM018209.D  
Acq On : 15 Dec 2018 18:18  
Operator : JU/SJ  
Sample : J6397-05  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SODUP01\_121218

Quant Time: Dec 15 21:46:28 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 15 21:39:37 2018  
Response via : Initial Calibration



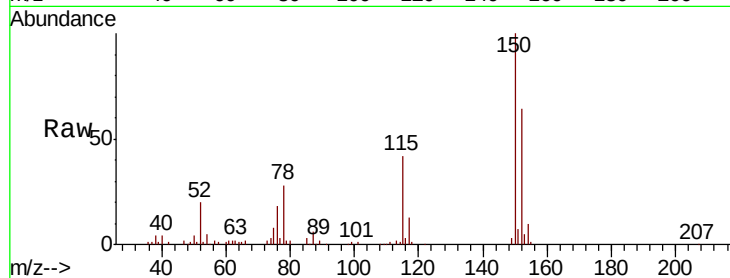


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BM018209.D  
Acq: 15 Dec 2018 18:18

Instrument :  
BNA\_M  
ClientSampleId :  
SODUP01\_121218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 116.1 | 174.1 |
| 115     | 65.5  | 44.6  | 67.0  |

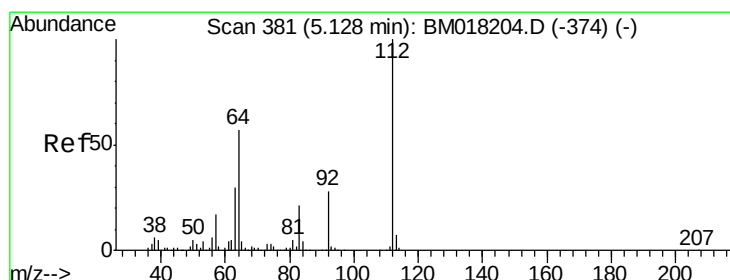
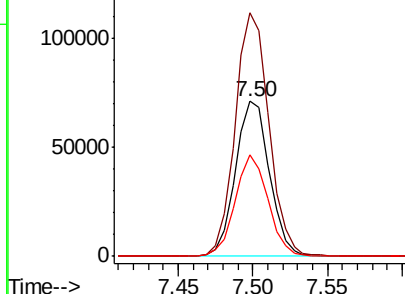
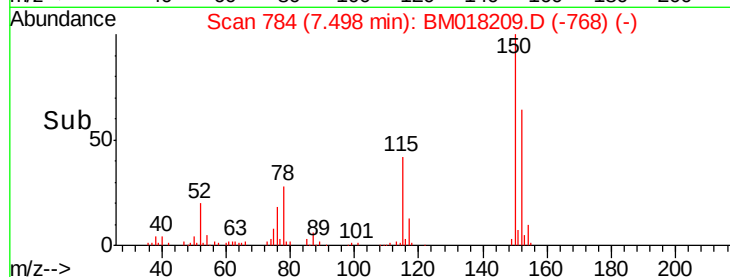


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

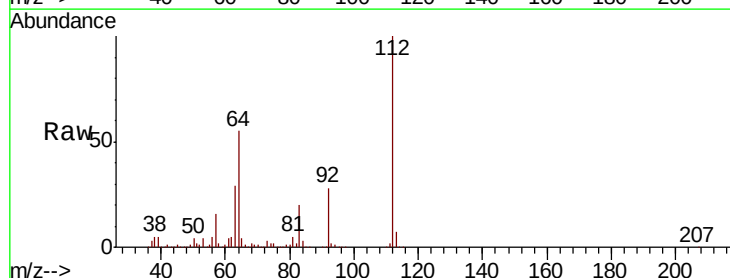
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 126.868 ng  
RT: 5.13 min Scan# 382  
Delta R.T. 0.01 min  
Lab File: BM018209.D  
Acq: 15 Dec 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.3  | 45.4  | 68.2  |
| 63      | 29.5  | 24.0  | 36.0  |

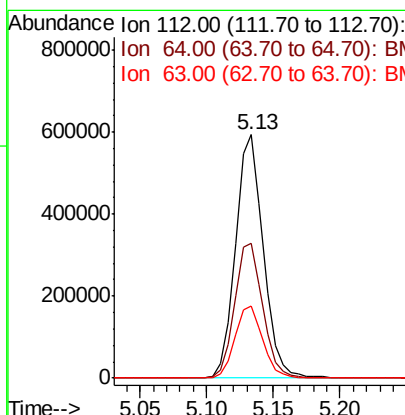
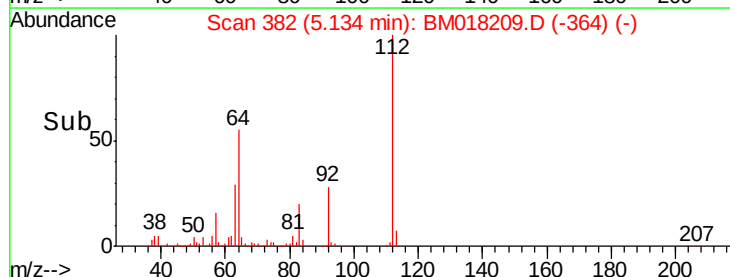


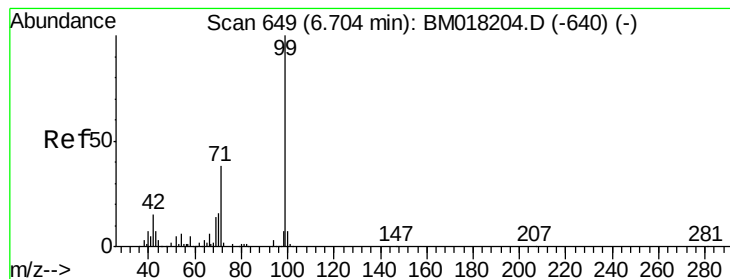
Abundance

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: 120.945 ng

RT: 6.70 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM018209.D

Acq: 15 Dec 2018 18:18

Instrument :

BNA\_M

ClientSampleId :

SODUP01\_121218

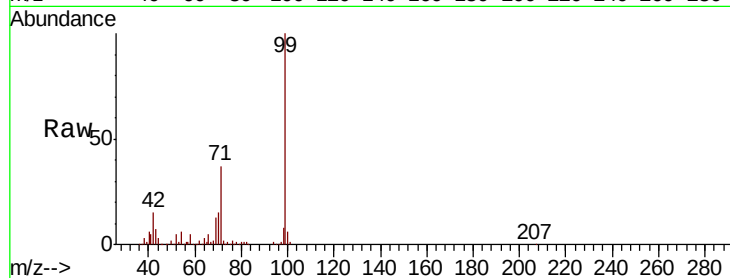
Tot Ion: 99 Resp: 1136112

Ion Ratio Lower Upper

99 100

42 14.7 12.3 18.5

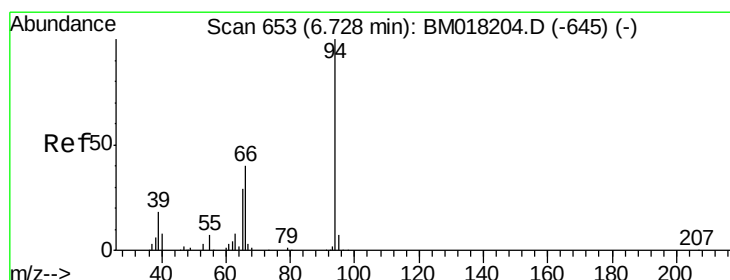
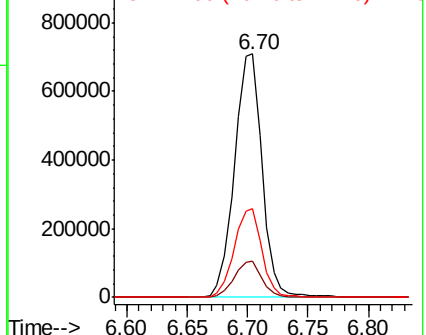
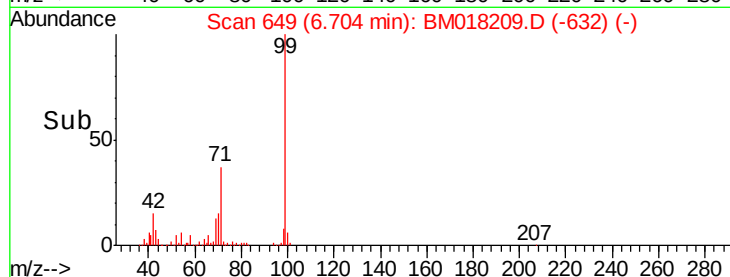
71 36.5 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018209.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018209.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018209.D (-632) (-)



#10

Phenol

Concen: 7.817 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018209.D

Acq: 15 Dec 2018 18:18

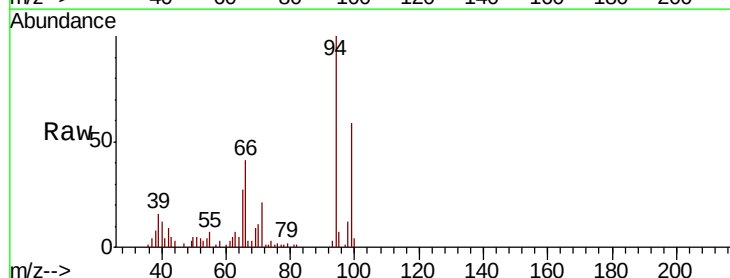
Tgt Ion: 94 Resp: 77768

Ion Ratio Lower Upper

94 100

65 27.3 9.5 49.5

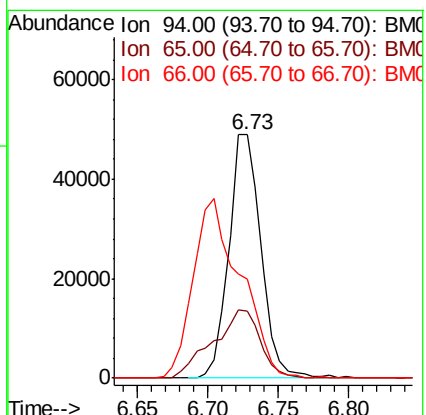
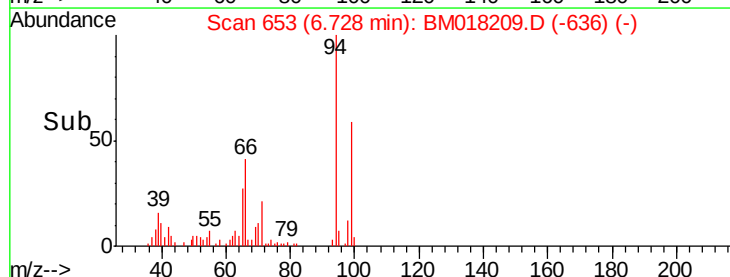
66 40.8 21.3 61.3

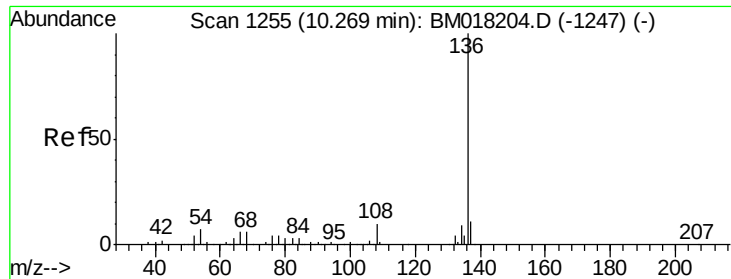


Abundance Ion 94.00 (93.70 to 94.70): BM018209.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018209.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018209.D (-636) (-)

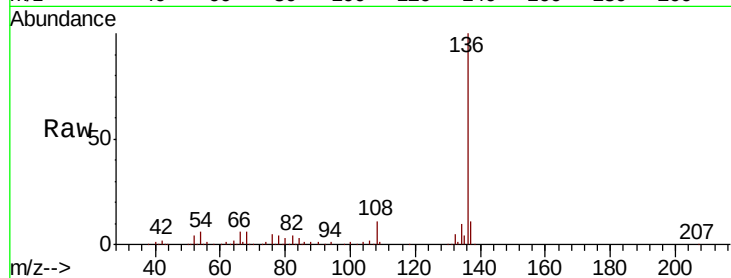




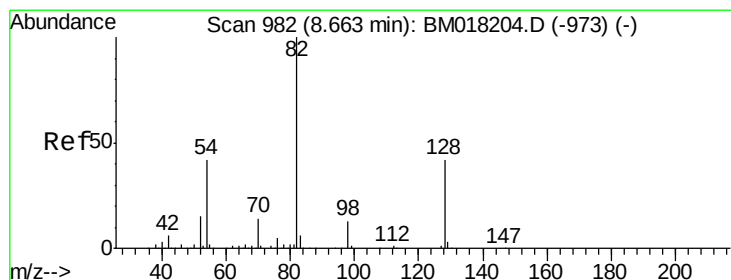
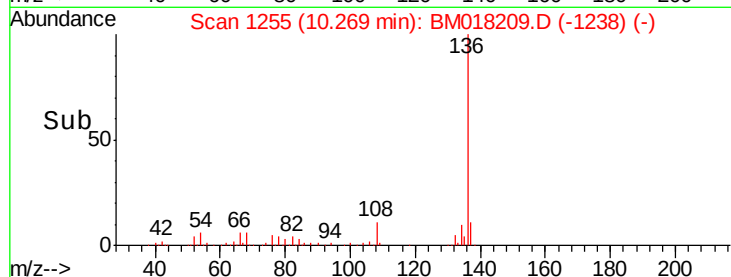
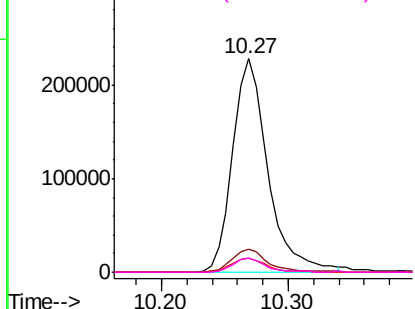
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.27 min Scan# 1255  
Delta R.T. -0.00 min  
Lab File: BM018209.D  
Acq: 15 Dec 2018 18:18

Instrument :  
BNA\_M  
ClientSampleId :  
SODUP01\_121218

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 441532 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.6    | 9.2   | 13.8   |
| 54 6.3      | 5.2   | 7.8    |
| 68 6.5      | 5.0   | 7.6    |

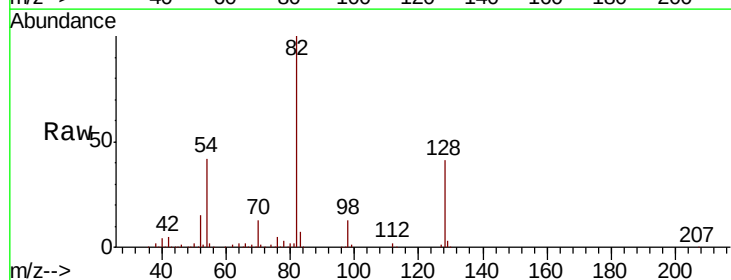


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

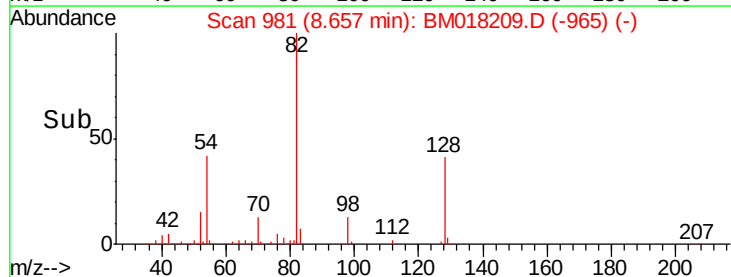
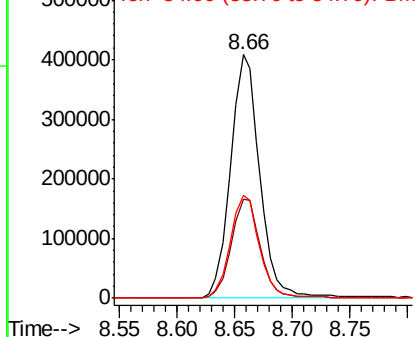


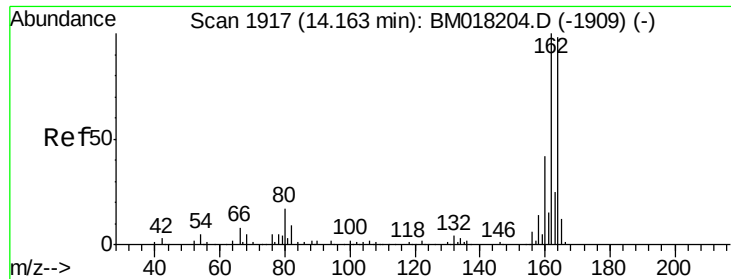
#23  
Nitrobenzene-d5  
Concen: 83.155 ng  
RT: 8.66 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: BM018209.D  
Acq: 15 Dec 2018 18:18

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 715790 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 40.7    | 33.4 50.2    |
| 54 42.3     | 33.4 50.2    |



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

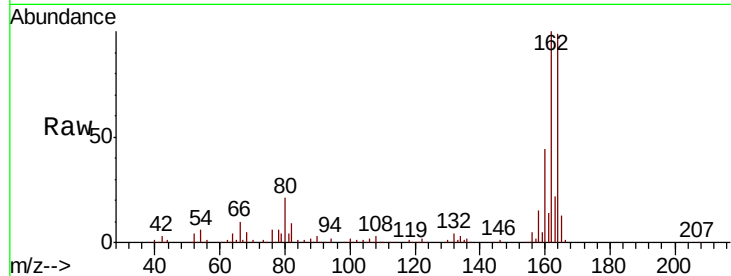




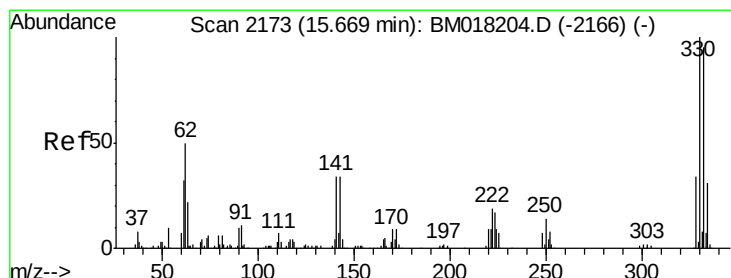
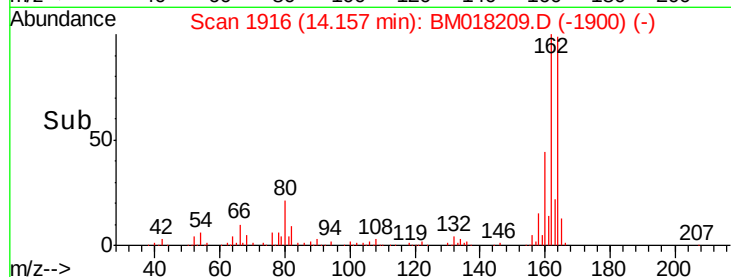
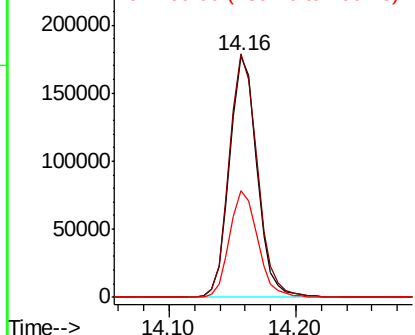
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.16 min Scan# 1916  
 Delta R.T. -0.01 min  
 Lab File: BM018209.D  
 Acq: 15 Dec 2018 18:18

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SODUP01\_121218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.8 | 81.8  | 122.6 |
| 160     | 44.2  | 34.6  | 51.8  |

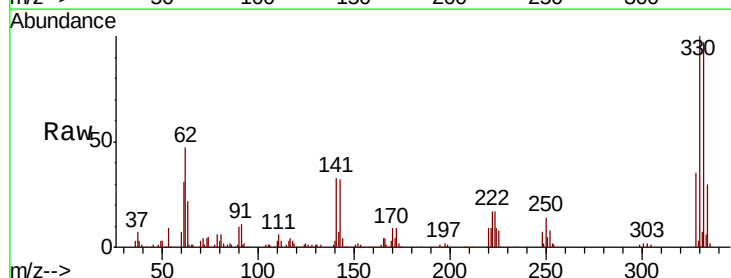


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

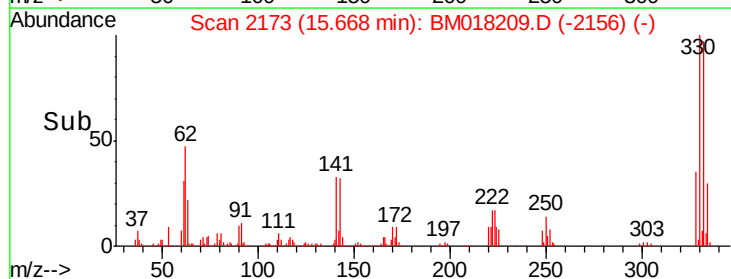
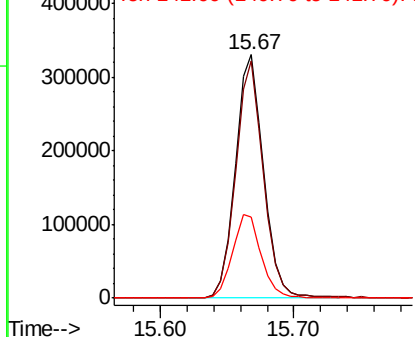


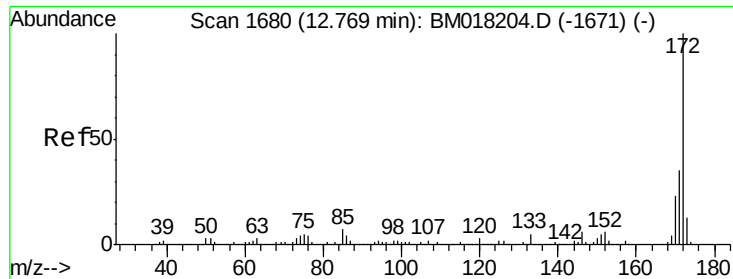
#42  
 2,4,6-Tribromophenol  
 Concen: 123.531 ng  
 RT: 15.67 min Scan# 2173  
 Delta R.T. -0.00 min  
 Lab File: BM018209.D  
 Acq: 15 Dec 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 78.6  | 118.0 |
| 141     | 35.4  | 27.1  | 40.7  |



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

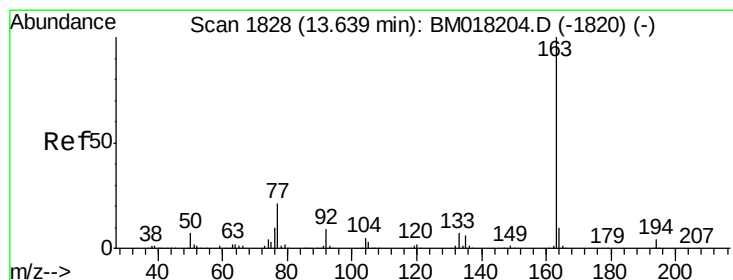
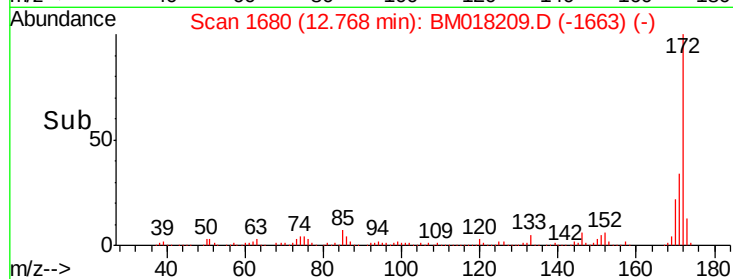
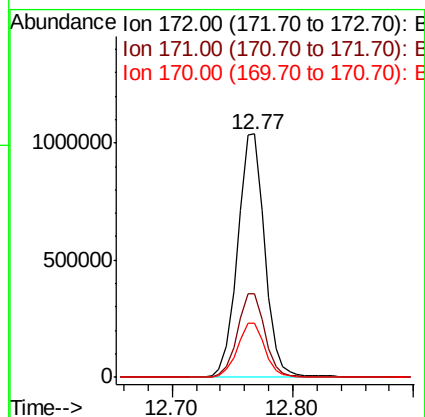
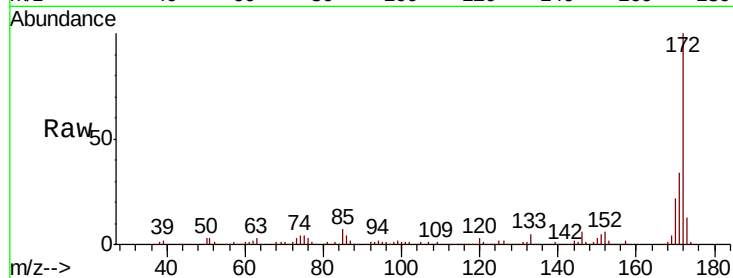




#45  
2-Fluorobiphenyl  
Concen: 79.488 ng  
RT: 12.77 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: BM018209.D  
Acq: 15 Dec 2018 18:18

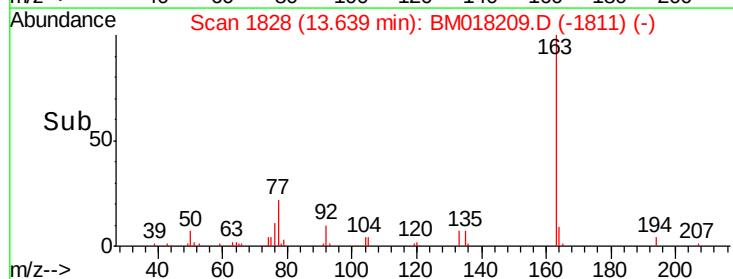
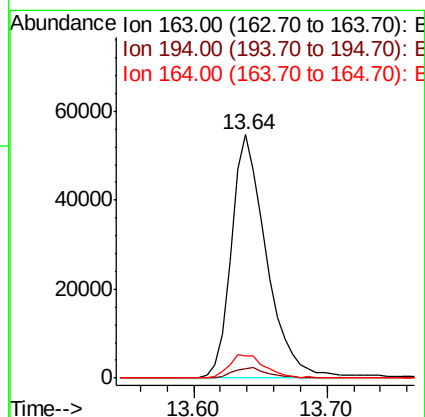
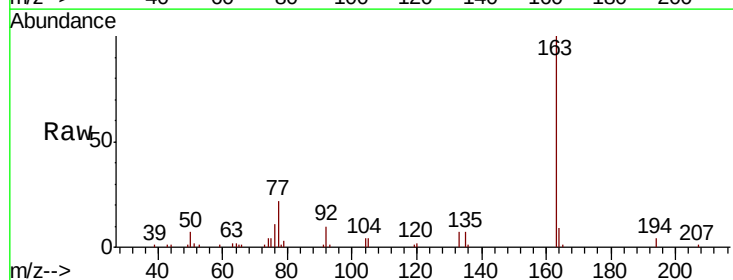
Instrument :  
BNA\_M  
ClientSampleId :  
SODUP01\_121218

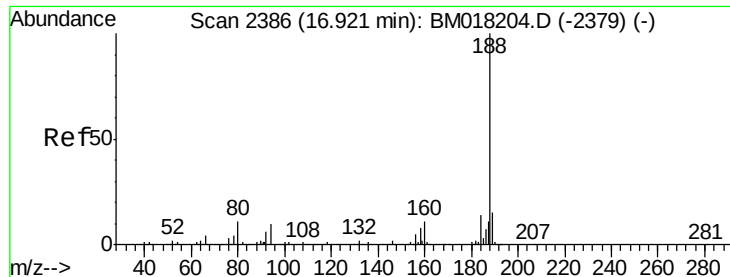
Tot Ion:172 Resp: 1631948  
Ion Ratio Lower Upper  
172 100  
171 34.2 28.3 42.5  
170 22.3 18.1 27.1



#50  
Dimethylphthalate  
Concen: 4.533 ng  
RT: 13.64 min Scan# 1828  
Delta R.T. -0.00 min  
Lab File: BM018209.D  
Acq: 15 Dec 2018 18:18

Tgt Ion:163 Resp: 100218  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.1 4.7  
164 9.0 7.9 11.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.92 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BM018209.D

Acq: 15 Dec 2018 18:18

Instrument :

BNA\_M

ClientSampleId :

SODUP01\_121218

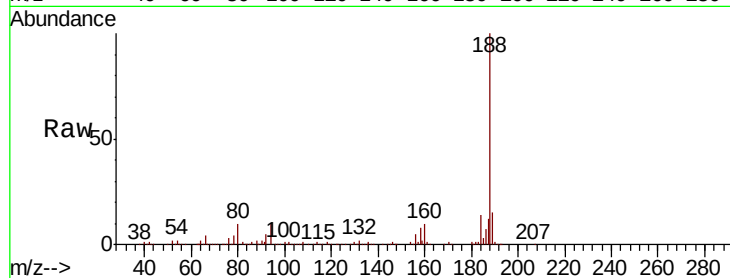
Tot Ion:188 Resp: 600722

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

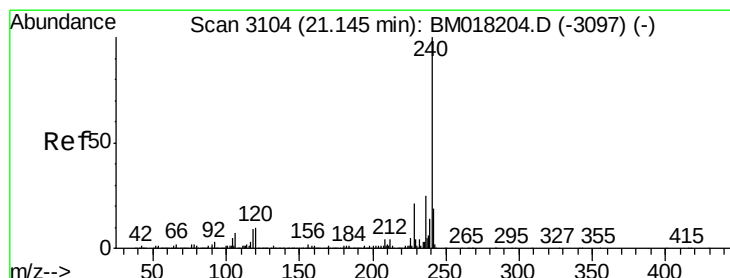
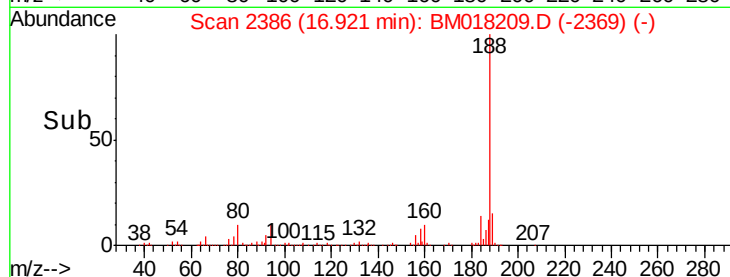
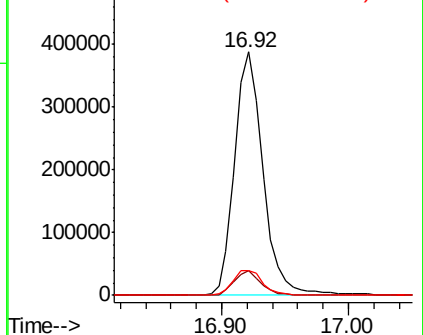
80 10.1 9.0 13.6



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: 21.14 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM018209.D

Acq: 15 Dec 2018 18:18

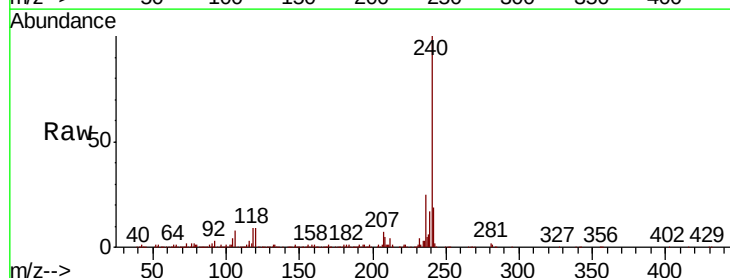
Tgt Ion:240 Resp: 682784

Ion Ratio Lower Upper

240 100

120 9.3 8.2 12.2

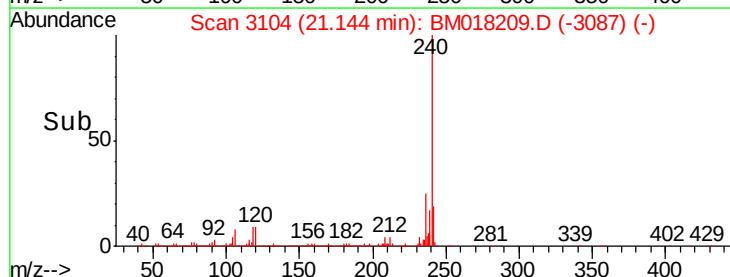
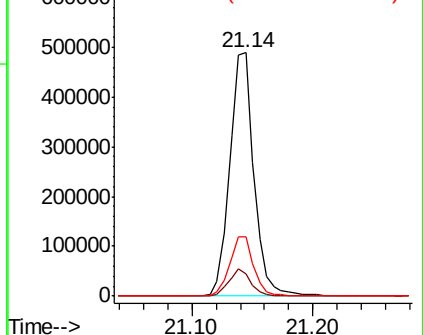
236 24.6 20.3 30.5



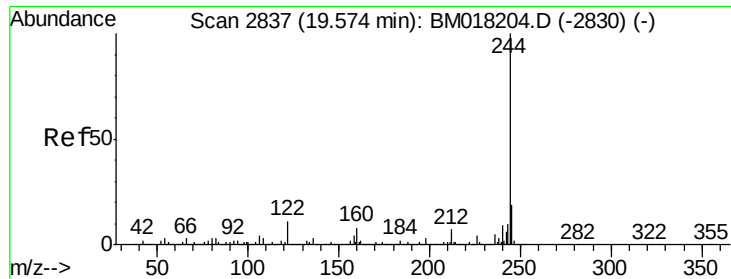
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 87.268 ng

RT: 19.57 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BM018209.D

Acq: 15 Dec 2018 18:18

Instrument :

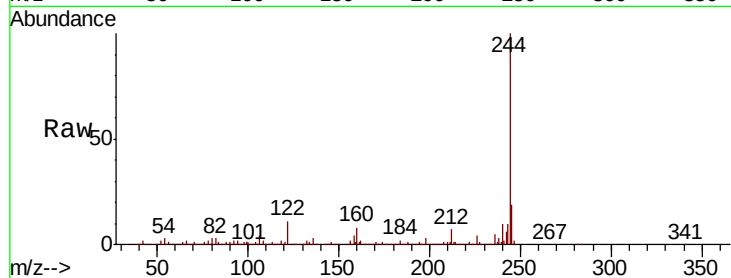
BNA\_M

ClientSampleId :

SODUP01\_121218

Tot Ion:244 Resp: 2634591

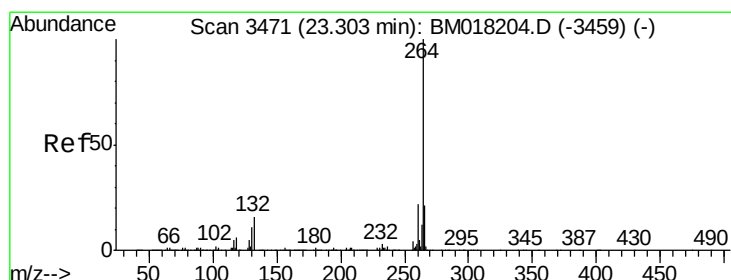
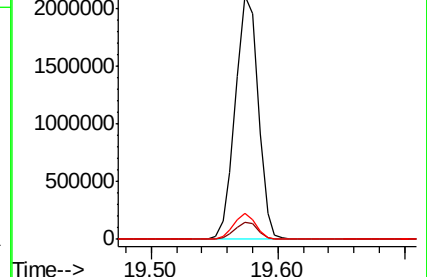
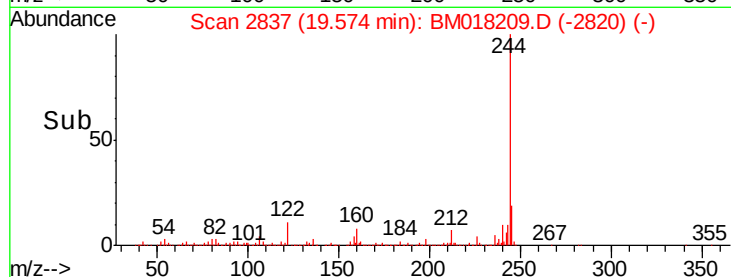
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.8   | 8.8   |
| 122 | 10.6  | 9.0   | 13.6  |



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: 23.30 min Scan# 3471

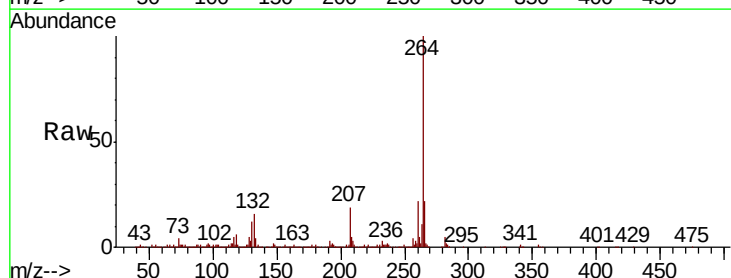
Delta R.T. -0.00 min

Lab File: BM018209.D

Acq: 15 Dec 2018 18:18

Tgt Ion:264 Resp: 691305

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.0  | 17.5  | 26.3  |
| 265 | 22.3  | 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

