

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\  
 Data File : BM018296.D  
 Acq On : 19 Dec 2018 13:55  
 Operator : JU/SJ  
 Sample : J6319-12  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 19 14:32:10 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

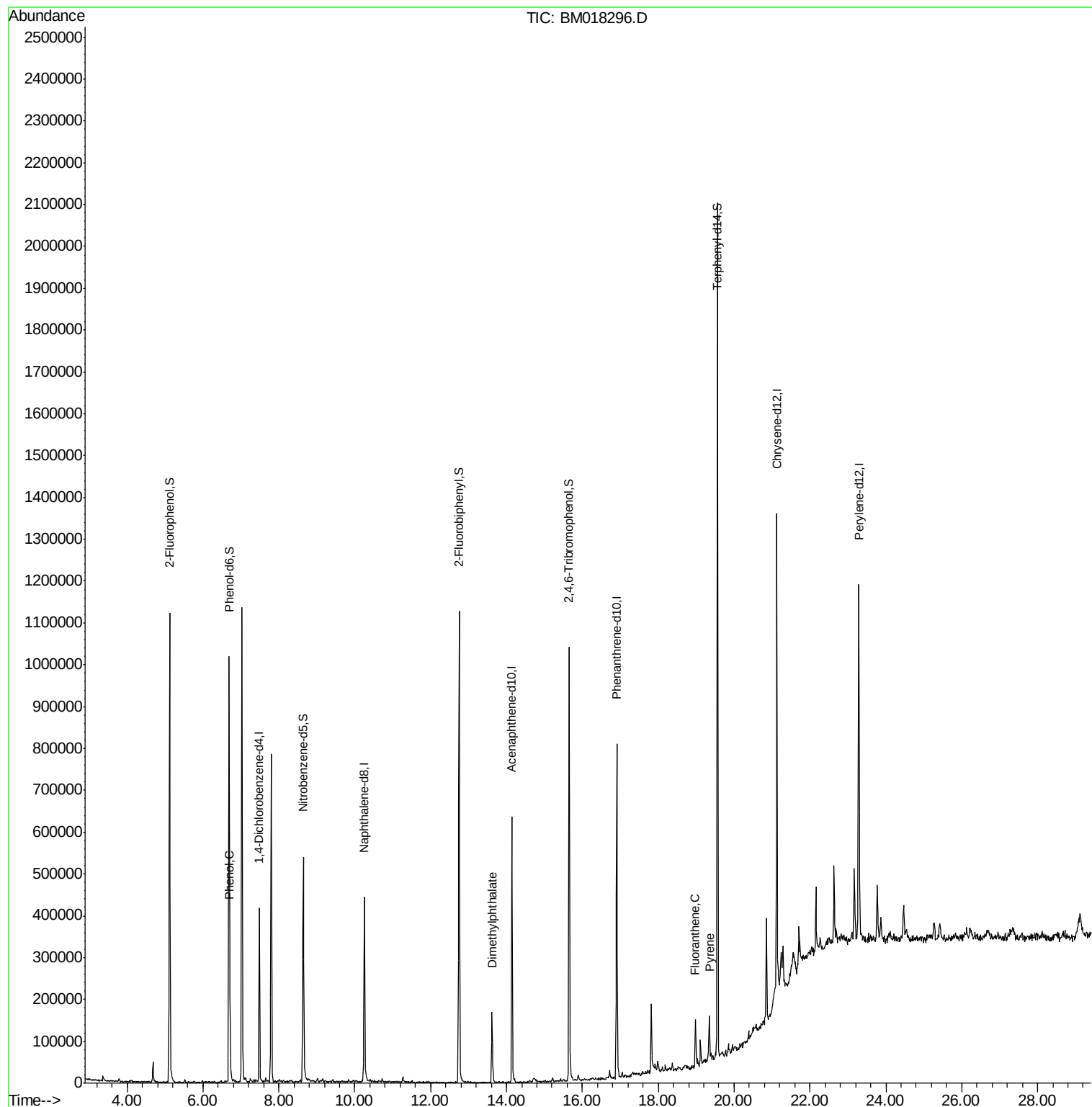
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.49  | 152  | 103227   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.25 | 136  | 380150   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.14 | 164  | 204553   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 16.91 | 188  | 444291   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.13 | 240  | 520772   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 23.29 | 264  | 587451   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.12  | 112  | 441773   | 71.49 | ng    | 0.00     |
| 7) Phenol-d6                | 6.69  | 99   | 573673   | 66.79 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.65  | 82   | 354925   | 47.89 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.66 | 330  | 183771   | 61.21 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.75 | 172  | 588457   | 37.26 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.56 | 244  | 893911   | 38.82 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.71  | 94   | 44715    | 4.916 | ng    | 88       |
| 50) Dimethylphthalate       | 13.62 | 163  | 118702   | 6.980 | ng    | 98       |
| 75) Fluoranthene            | 18.99 | 202  | 62342    | 2.222 | ng    | 98       |
| 78) Pyrene                  | 19.35 | 202  | 62221    | 2.005 | ng    | 97       |

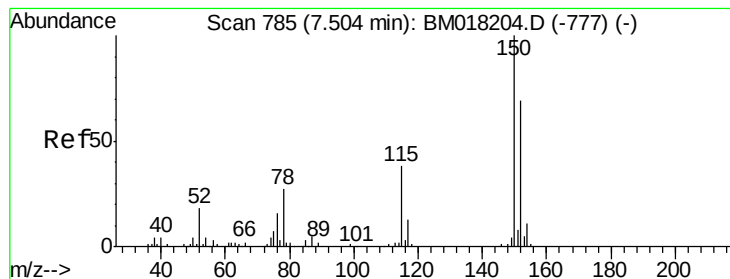
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\  
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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Dec 19 14:32:10 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



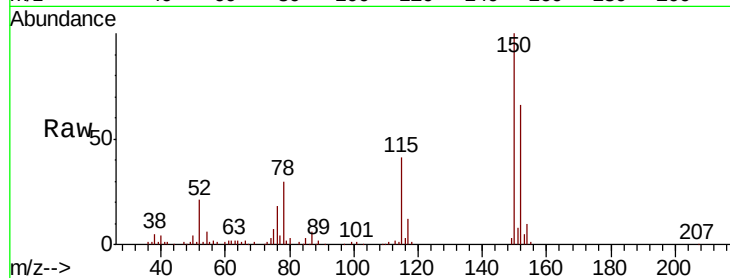


#1

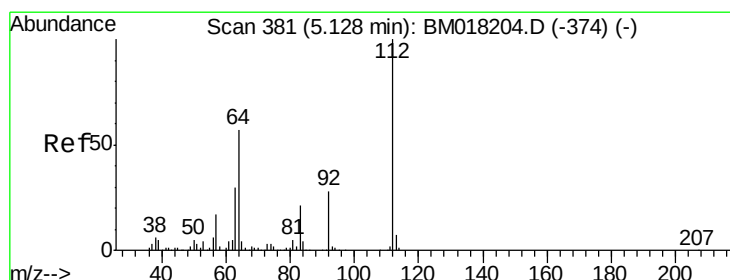
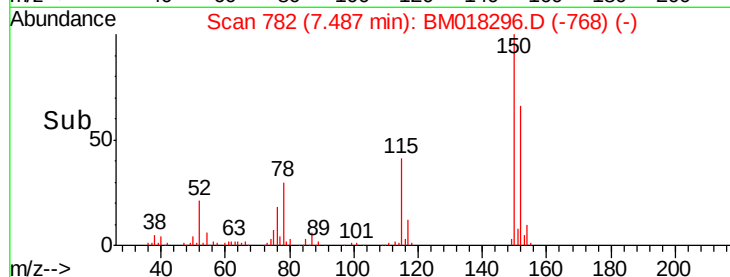
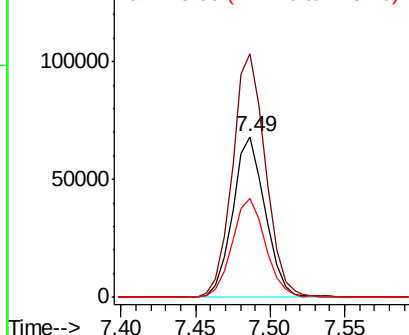
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.49 min Scan# 782  
Delta R.T. -0.02 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.6 | 116.1 | 174.1 |
| 115     | 61.4  | 44.6  | 67.0  |



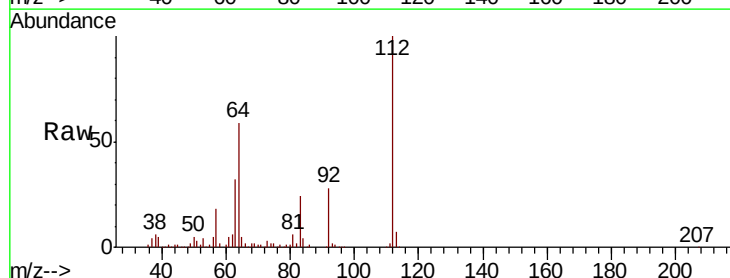
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



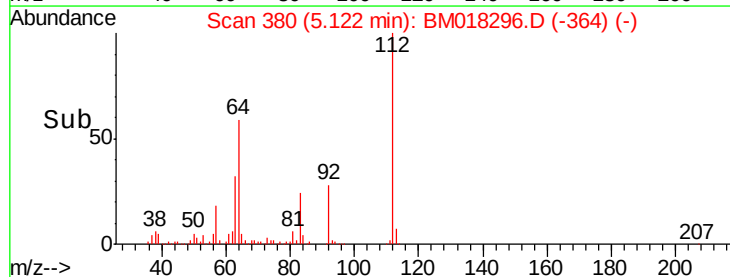
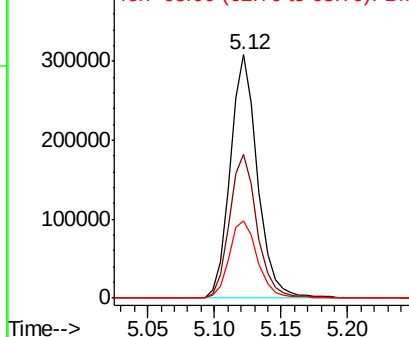
#5

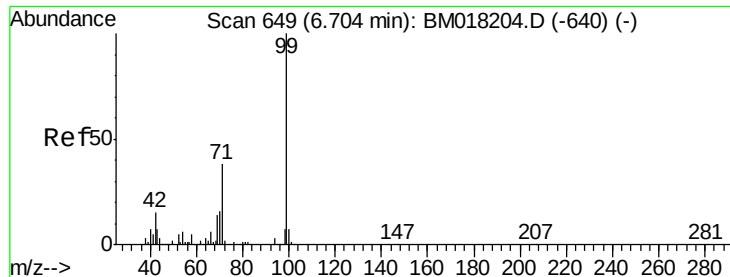
2-Fluorophenol  
Concen: 71.490 ng  
RT: 5.12 min Scan# 380  
Delta R.T. -0.01 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.1  | 45.4  | 68.2  |
| 63      | 31.5  | 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: 66.792 ng

RT: 6.69 min Scan# 646

Delta R.T. -0.02 min

Lab File: BM018296.D

Acq: 19 Dec 2018 13:55

Instrument :

BNA\_M

ClientSampleId :

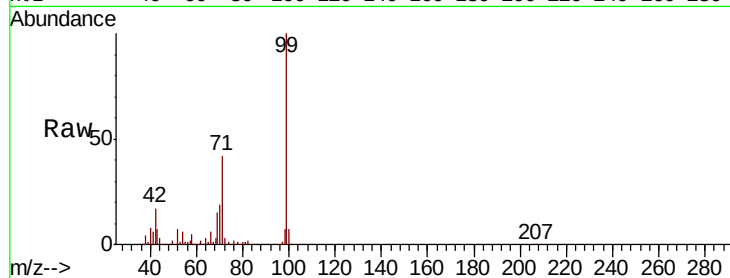
Tot Ion: 99 Resp: 573673

Ion Ratio Lower Upper

99 100

42 17.5 12.3 18.5

71 41.6 30.2 45.2

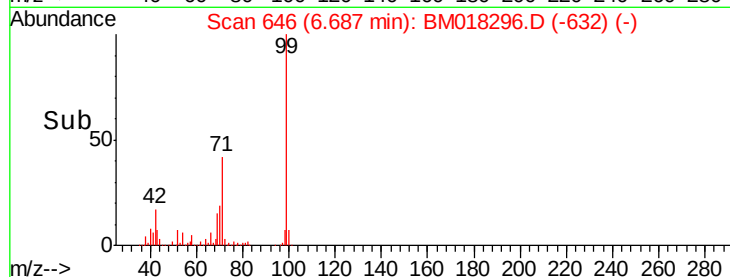


Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM018204.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM018204.D (-640) (-)

Time-->

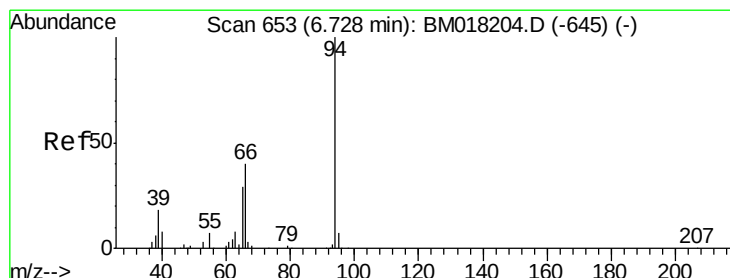


Abundance Ion 99.00 (98.70 to 99.70): BM018296.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018296.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018296.D (-632) (-)

Time-->



#10

Phenol

Concen: 4.916 ng

RT: 6.71 min Scan# 650

Delta R.T. -0.02 min

Lab File: BM018296.D

Acq: 19 Dec 2018 13:55

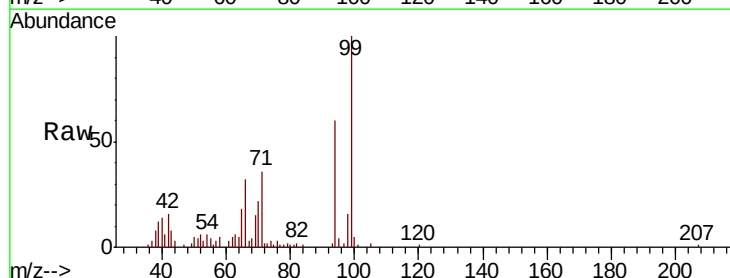
Tgt Ion: 94 Resp: 44715

Ion Ratio Lower Upper

94 100

65 30.3 9.5 49.5

66 53.5 21.3 61.3

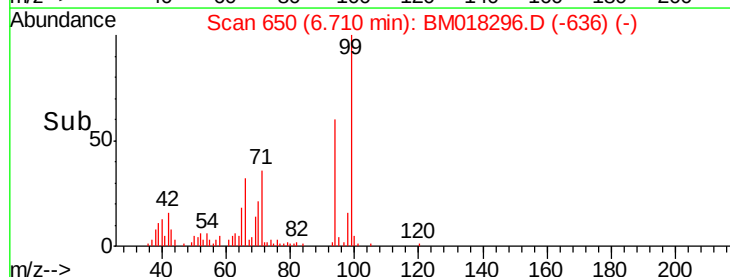


Abundance Ion 94.00 (93.70 to 94.70): BM018204.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM018204.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM018204.D (-645) (-)

Time-->

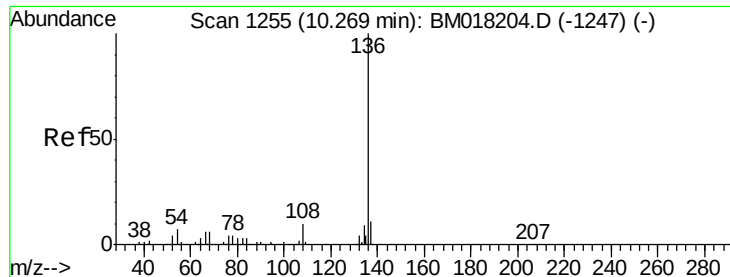


Abundance Ion 94.00 (93.70 to 94.70): BM018296.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018296.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018296.D (-636) (-)

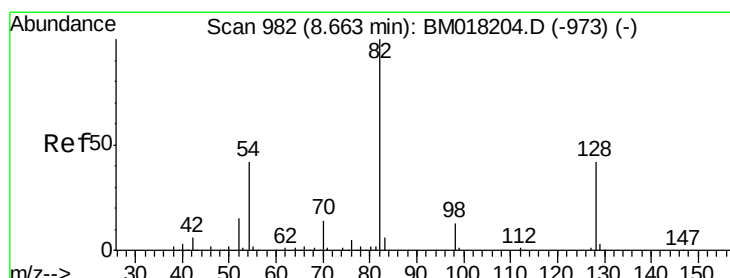
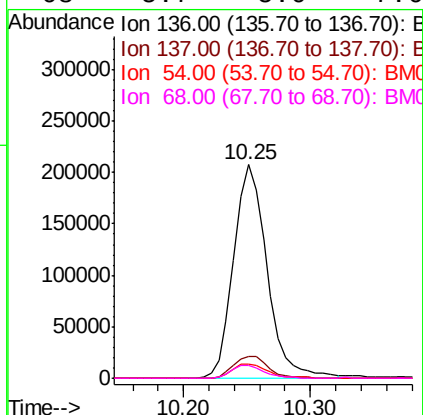
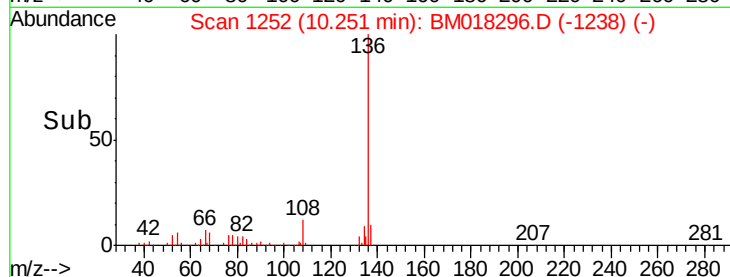
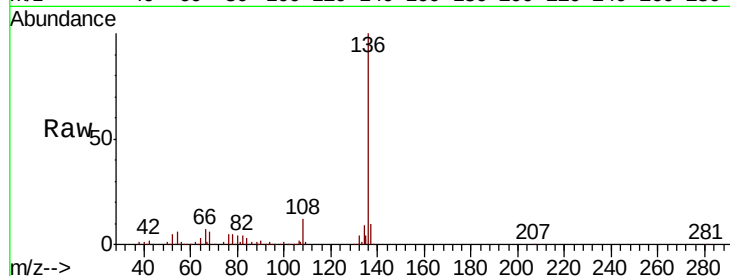
Time-->



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.25 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

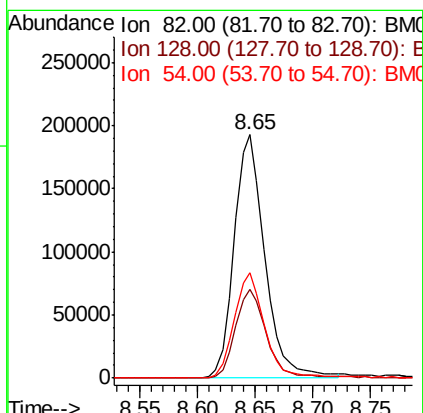
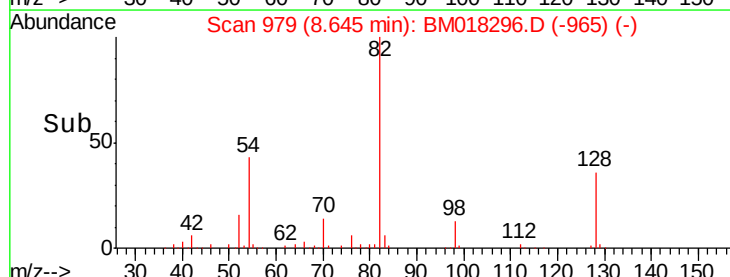
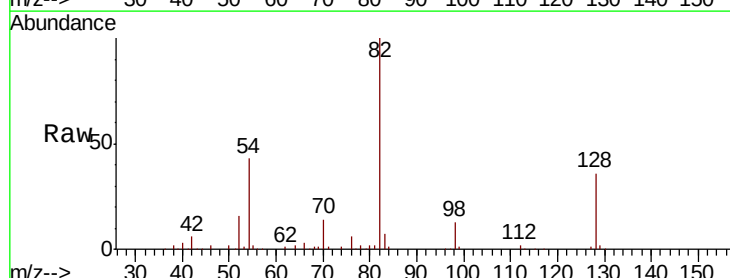
Instrument :  
BNA\_M  
ClientSampleId :

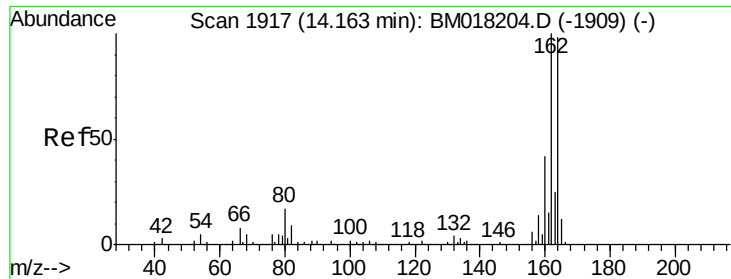
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 380150 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 9.2   | 13.8   |
| 54       | 6.3   | 5.2   | 7.8    |
| 68       | 5.7   | 5.0   | 7.6    |



#23  
Nitrobenzene-d5  
Concen: 47.890 ng  
RT: 8.65 min Scan# 979  
Delta R.T. -0.02 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 354925 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.4  | 33.4  | 50.2   |
| 54       | 43.4  | 33.4  | 50.2   |

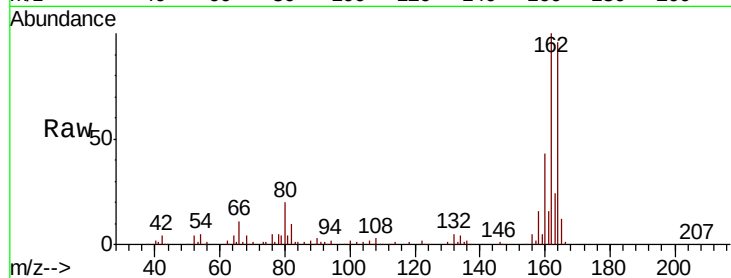




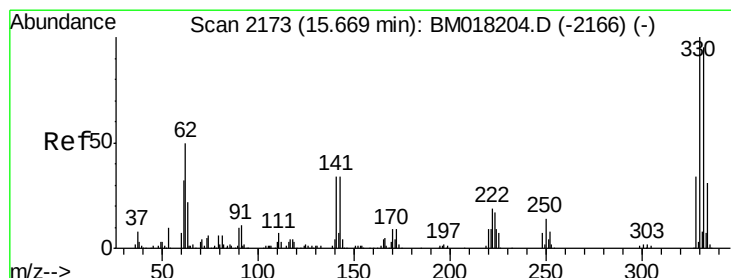
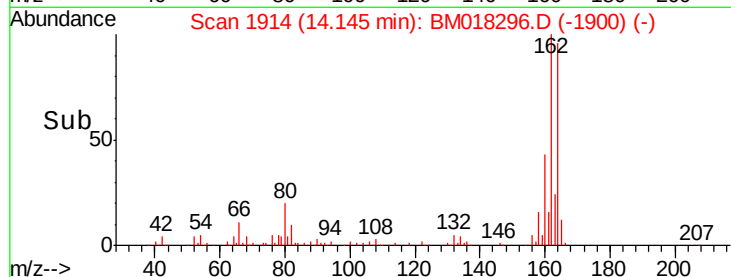
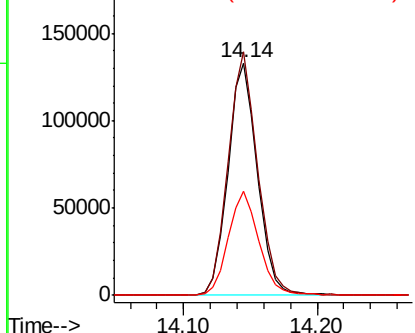
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.14 min Scan# 1914  
Delta R.T. -0.02 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:164 Resp: 204553  
Ion Ratio Lower Upper  
164 100  
162 104.6 81.8 122.6  
160 44.8 34.6 51.8

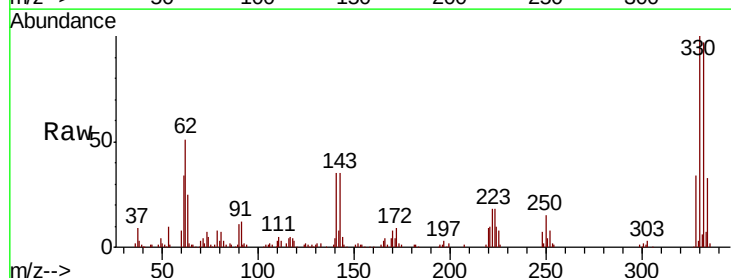


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

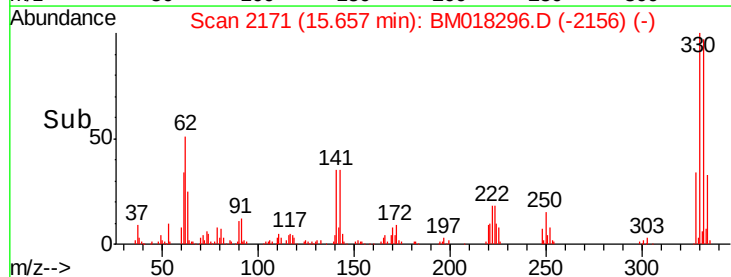
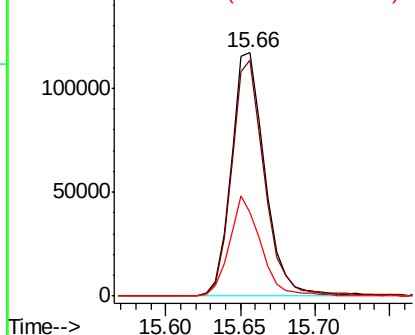


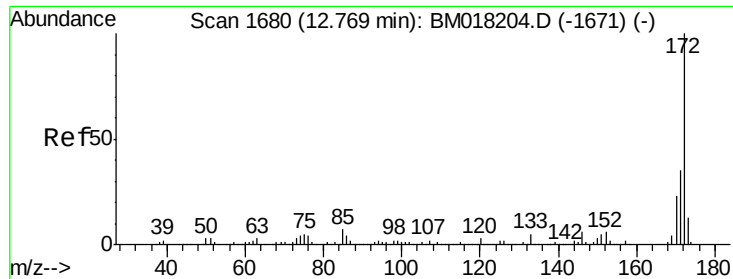
#42  
2,4,6-Tribromophenol  
Concen: 61.211 ng  
RT: 15.66 min Scan# 2171  
Delta R.T. -0.01 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

Tgt Ion:330 Resp: 183771  
Ion Ratio Lower Upper  
330 100  
332 95.2 78.6 118.0  
141 38.5 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

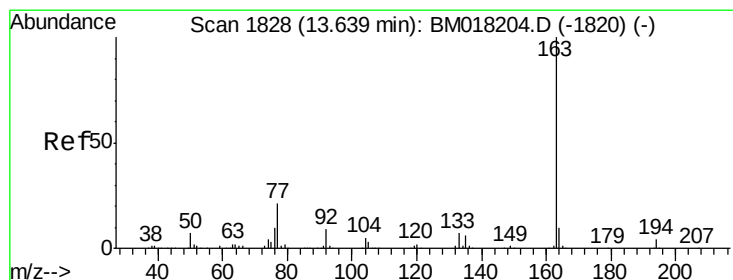
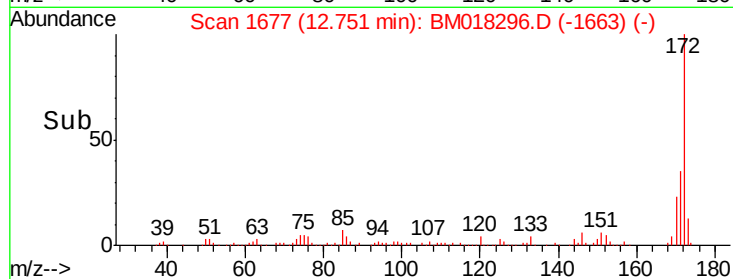
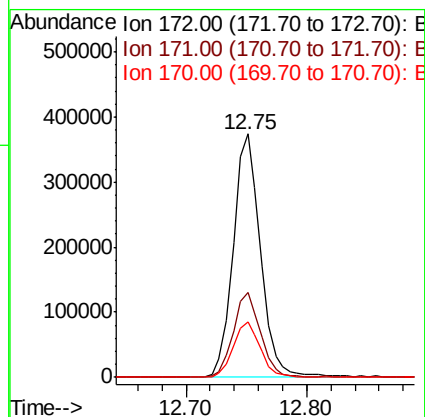
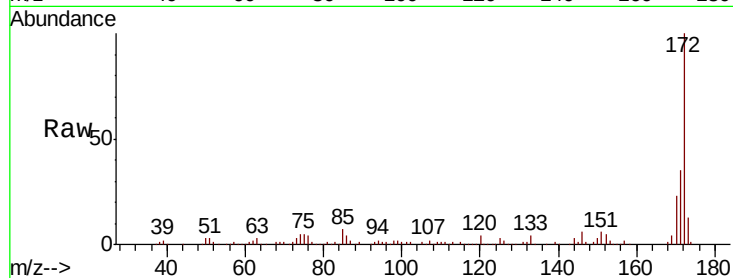




#45  
 2-Fluorobiphenyl  
 Concen: 37.261 ng  
 RT: 12.75 min Scan# 1677  
 Delta R.T. -0.02 min  
 Lab File: BM018296.D  
 Acq: 19 Dec 2018 13:55

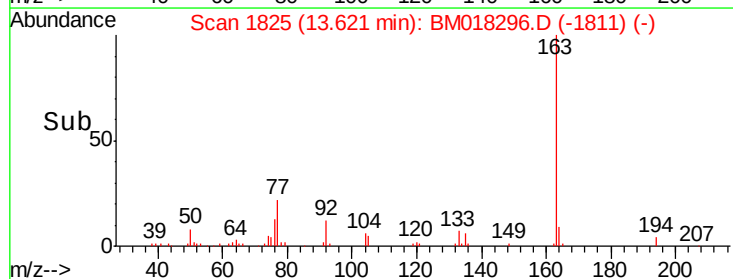
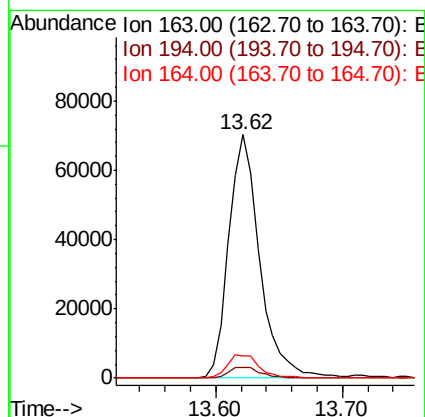
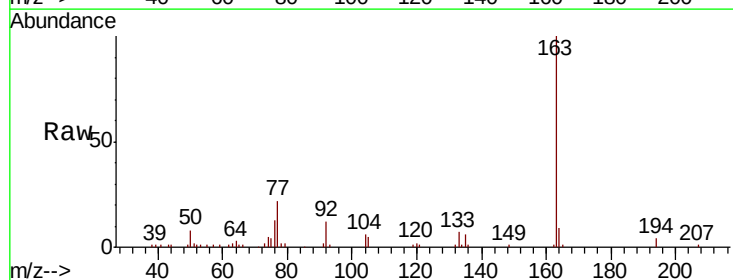
Instrument :  
 BNA\_M  
 ClientSampled :

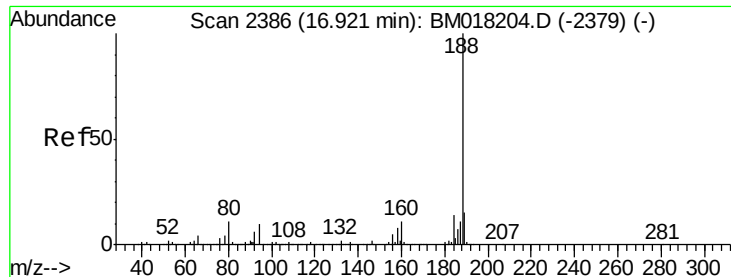
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 172   | Resp: | 588457 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 35.1  | 28.3  | 42.5   |
| 170      | 22.9  | 18.1  | 27.1   |



#50  
 Dimethylphthalate  
 Concen: 6.980 ng  
 RT: 13.62 min Scan# 1825  
 Delta R.T. -0.02 min  
 Lab File: BM018296.D  
 Acq: 19 Dec 2018 13:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 118702 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.3   | 3.1   | 4.7    |
| 164      | 9.2   | 7.9   | 11.9   |

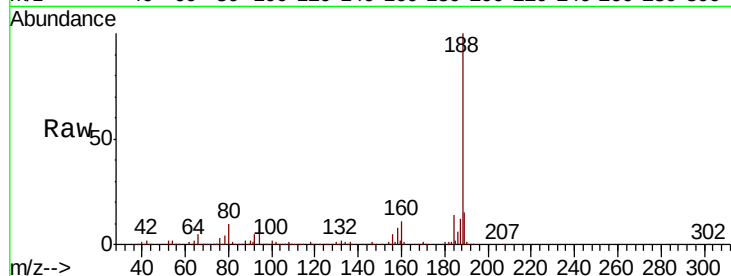




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.91 min Scan# 2384  
Delta R.T. -0.01 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.7   | 8.0   | 12.0  |
| 80      | 10.2  | 9.0   | 13.6  |

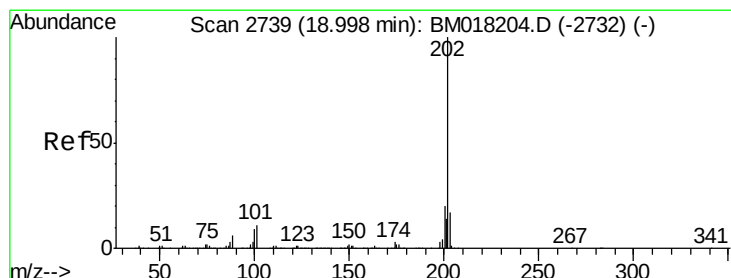
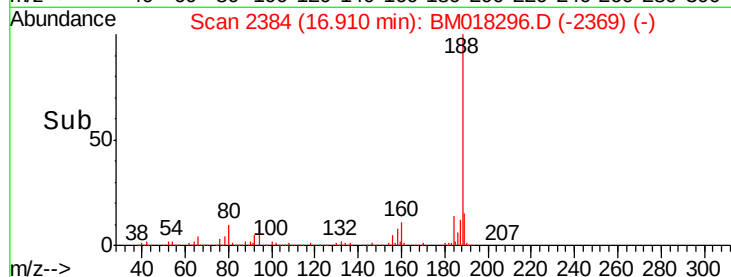
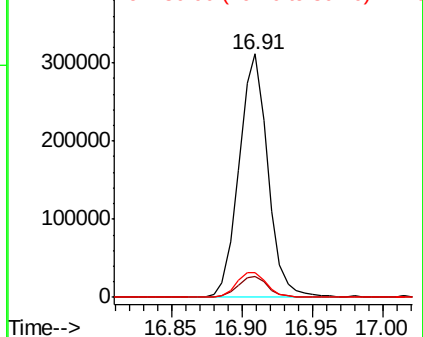


Abundance

Ion 188.00 (187.70 to 188.70): E

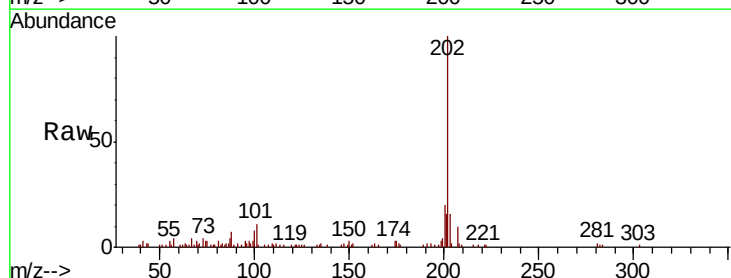
Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#75  
Fluoranthene  
Concen: 2.222 ng  
RT: 18.99 min Scan# 2737  
Delta R.T. -0.01 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.0  | 0.0   | 30.5  |
| 203     | 16.3  | 0.0   | 37.5  |

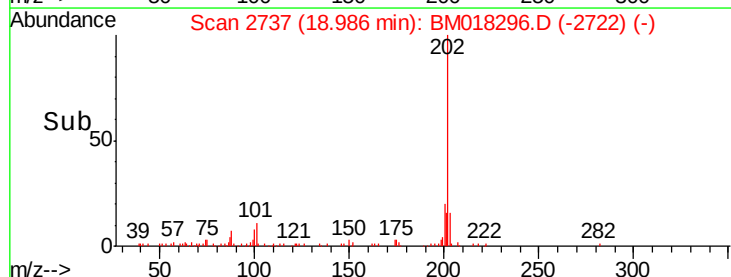
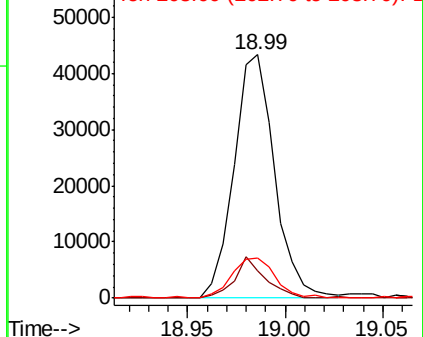


Abundance

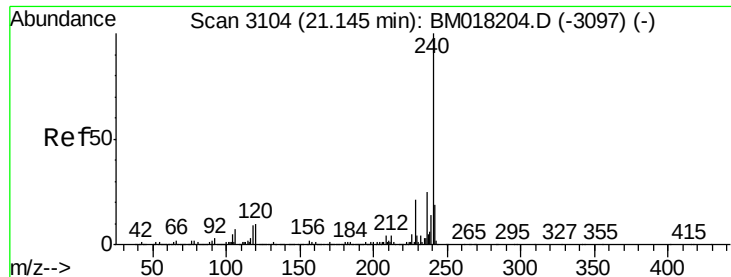
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



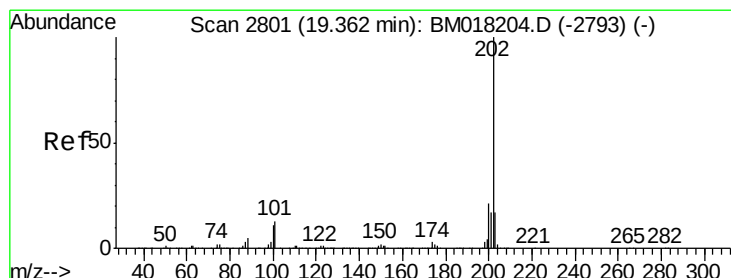
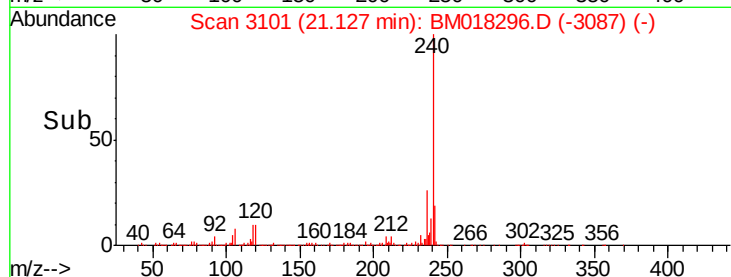
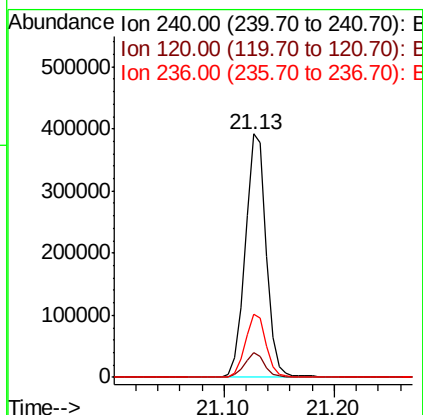
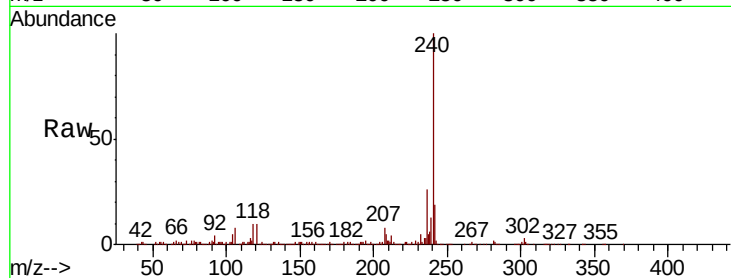




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.13 min Scan# 3101  
Delta R.T. -0.02 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

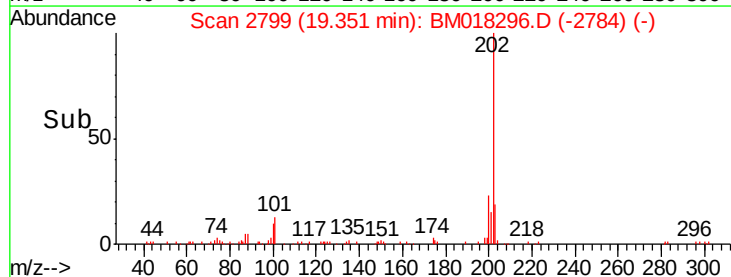
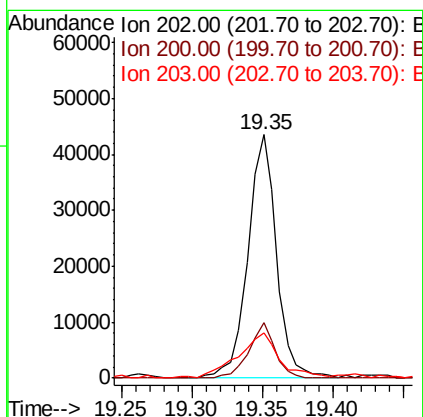
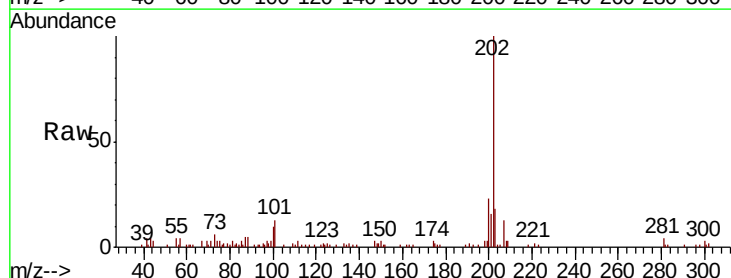
Instrument :  
BNA\_M  
ClientSampled :

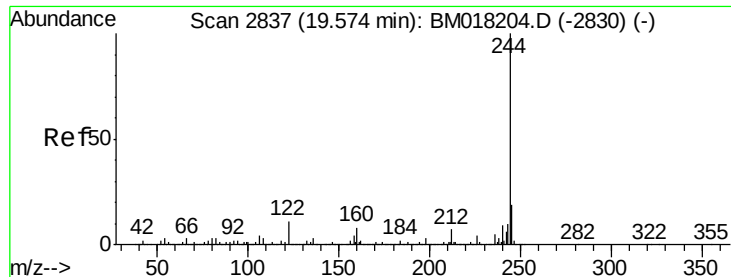
Tot Ion:240 Resp: 520772  
Ion Ratio Lower Upper  
240 100  
120 10.1 8.2 12.2  
236 25.7 20.3 30.5



#78  
Pyrene  
Concen: 2.005 ng  
RT: 19.35 min Scan# 2799  
Delta R.T. -0.01 min  
Lab File: BM018296.D  
Acq: 19 Dec 2018 13:55

Tgt Ion:202 Resp: 62221  
Ion Ratio Lower Upper  
202 100  
200 22.6 16.5 24.7  
203 18.5 14.0 21.0





#79

Terphenyl-d14

Concen: 38.821 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018296.D

Acq: 19 Dec 2018 13:55

Instrument :

BNA\_M

ClientSampled :

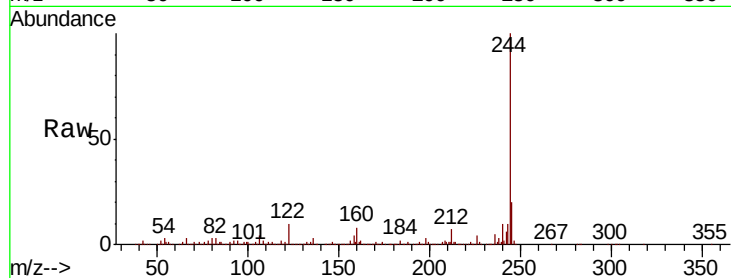
Tot Ion:244 Resp: 893911

Ion Ratio Lower Upper

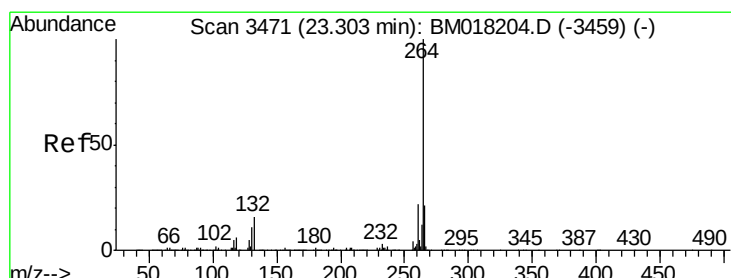
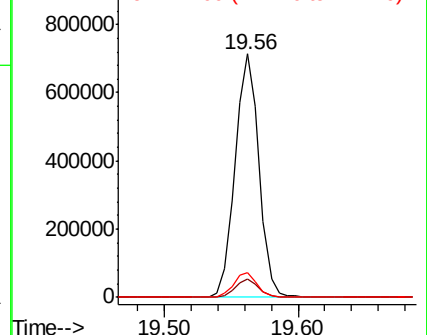
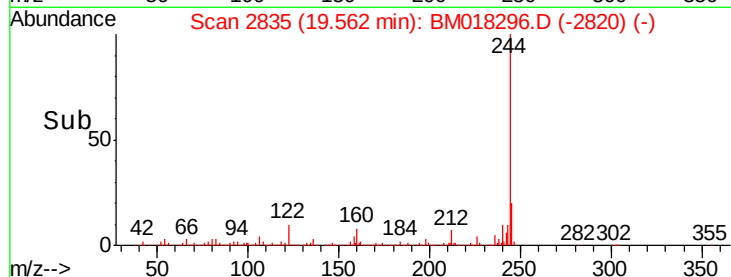
244 100

212 7.5 5.8 8.8

122 10.1 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: 23.29 min Scan# 3468

Delta R.T. -0.02 min

Lab File: BM018296.D

Acq: 19 Dec 2018 13:55

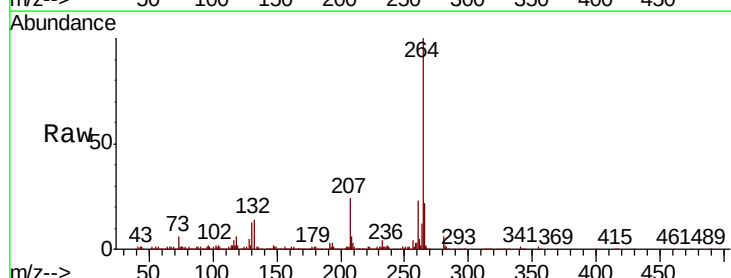
Tgt Ion:264 Resp: 587451

Ion Ratio Lower Upper

264 100

260 22.9 17.5 26.3

265 21.9 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

