

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\  
 Data File : BM018227.D  
 Acq On : 16 Dec 2018 15:27  
 Operator : JU/SJ  
 Sample : J6377-10  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 17 03:54:59 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

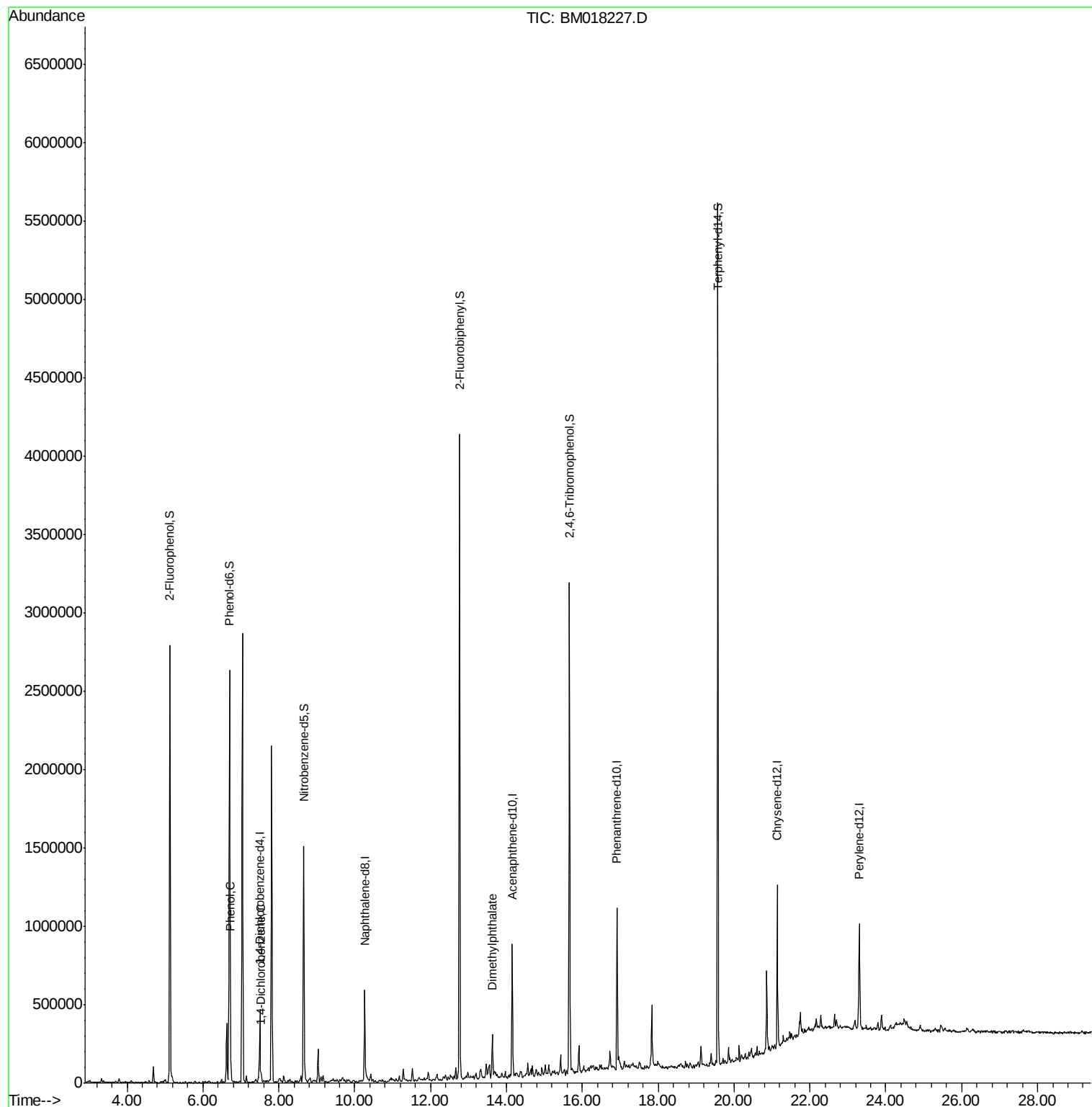
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 121491   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.26 | 136  | 489216   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.16 | 164  | 267694   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.92 | 188  | 568462   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.14 | 240  | 483089   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.30 | 264  | 445849   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.13  | 112  | 1114026  | 153.18 | ng    | 0.00     |
| 7) Phenol-d6                | 6.70  | 99   | 1481966  | 146.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.66  | 82   | 890794   | 93.40  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.66 | 330  | 528212   | 134.44 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.76 | 172  | 2004692  | 97.00  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.57 | 244  | 2453642  | 114.87 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.72  | 94   | 92642    | 8.654  | ng    | 95       |
| 13) 1,4-Dichlorobenzene     | 7.53  | 146  | 27793    | 2.852  | ng    | 97       |
| 50) Dimethylphthalate       | 13.63 | 163  | 117811   | 5.294  | ng    | 99       |

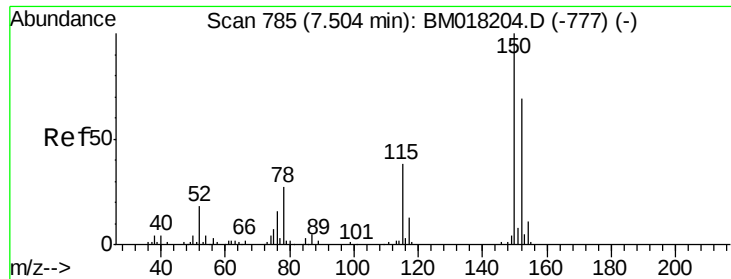
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

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BNA\_M  
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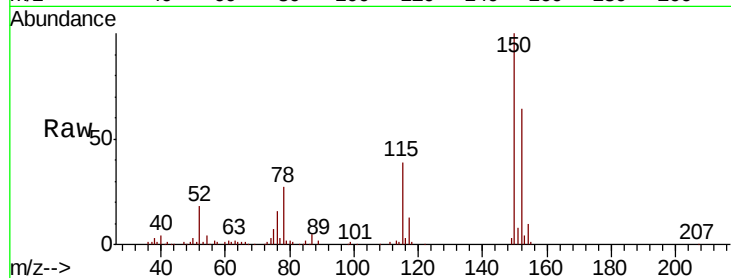


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BM018227.D  
Acq: 16 Dec 2018 15:27

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 116.1 | 174.1 |
| 115     | 60.5  | 44.6  | 67.0  |

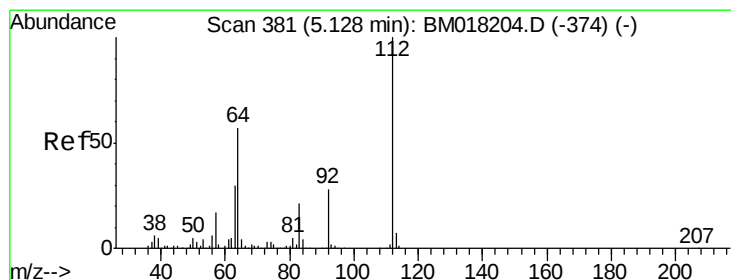
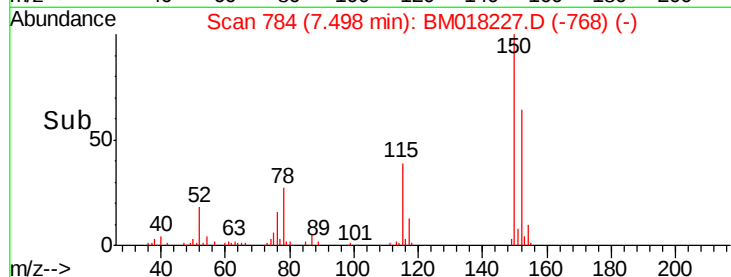
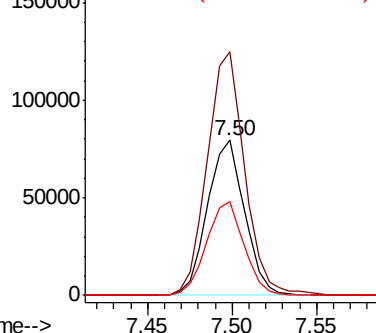


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

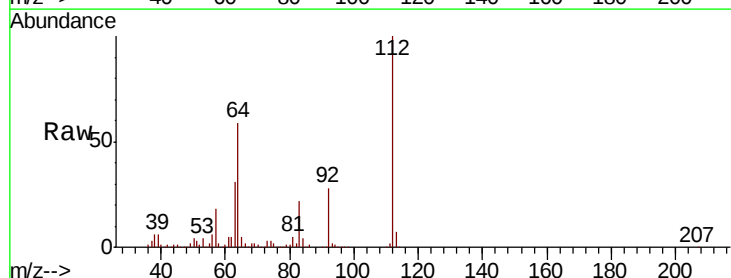
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 153.177 ng  
RT: 5.13 min Scan# 381  
Delta R.T. -0.00 min  
Lab File: BM018227.D  
Acq: 16 Dec 2018 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.5  | 45.4  | 68.2  |
| 63      | 31.1  | 24.0  | 36.0  |

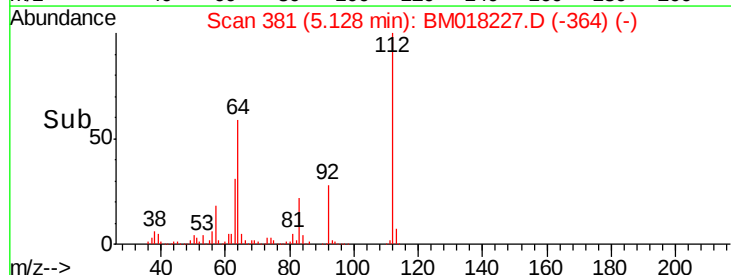
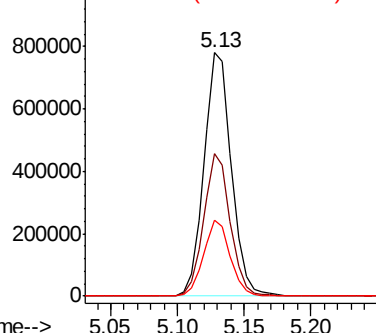


Abundance

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: 146.604 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018227.D

Acq: 16 Dec 2018 15:27

Instrument :

BNA\_M

ClientSampleId :

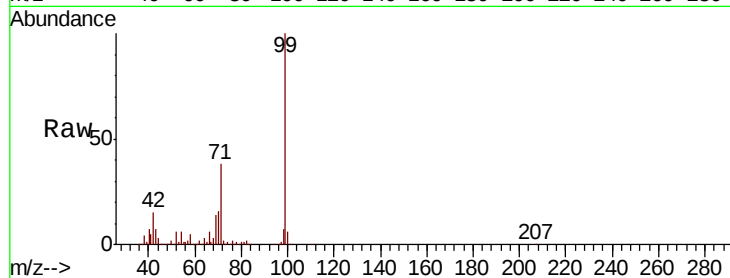
Tot Ion: 99 Resp: 1481966

Ion Ratio Lower Upper

99 100

42 15.5 12.3 18.5

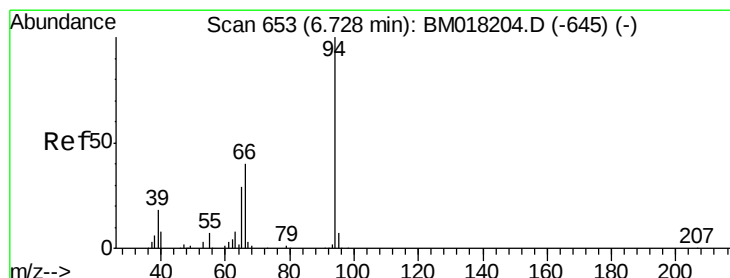
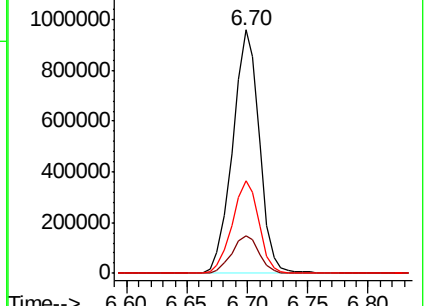
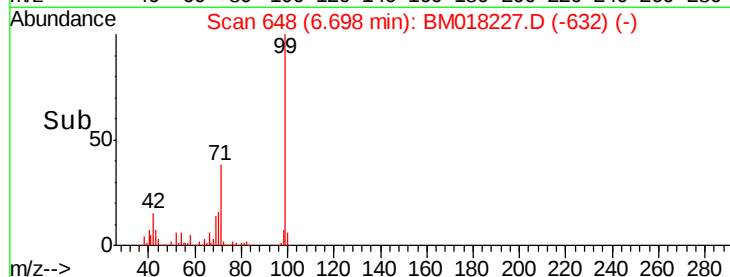
71 37.9 30.2 45.2



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) (-)



#10

Phenol

Concen: 8.654 ng

RT: 6.72 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM018227.D

Acq: 16 Dec 2018 15:27

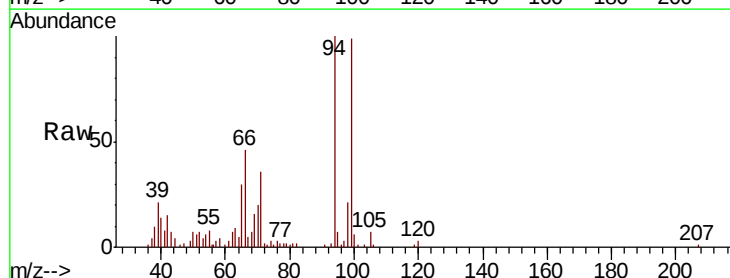
Tgt Ion: 94 Resp: 92642

Ion Ratio Lower Upper

94 100

65 29.6 9.5 49.5

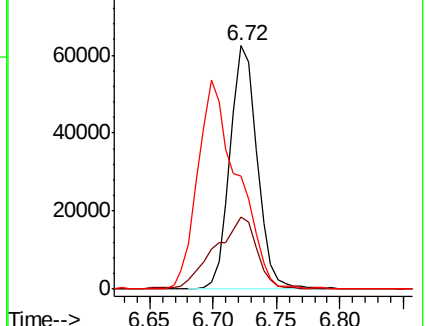
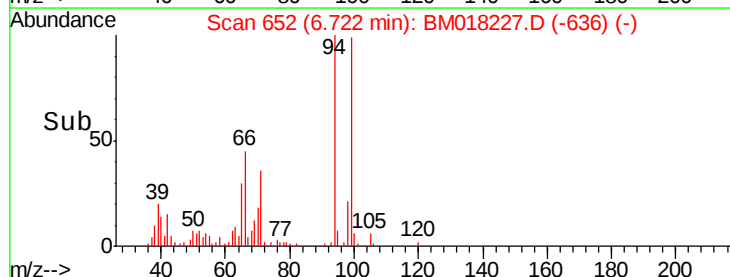
66 46.2 21.3 61.3

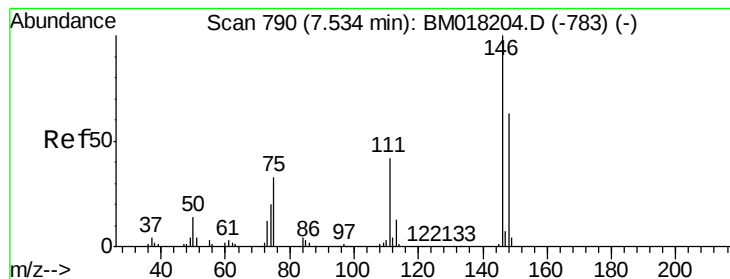


Abundance Ion 94.00 (93.70 to 94.70): BM018204.D (-645) (-)

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

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





#13

1,4-Dichlorobenzene

Concen: 2.852 ng

RT: 7.53 min Scan# 790

Delta R.T. -0.00 min

Lab File: BM018227.D

Acq: 16 Dec 2018 15:27

Instrument :

BNA\_M

ClientSampleId :

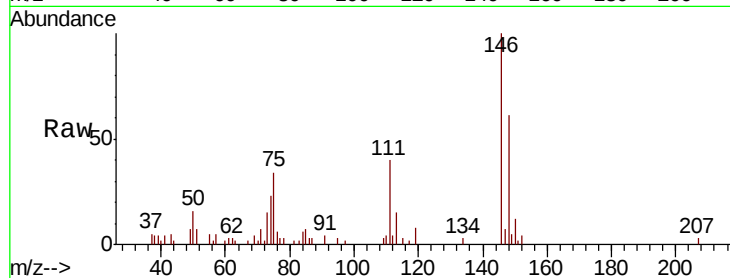
Tot Ion:146 Resp: 27793

Ion Ratio Lower Upper

146 100

148 61.1 50.7 76.1

111 40.5 34.2 51.2

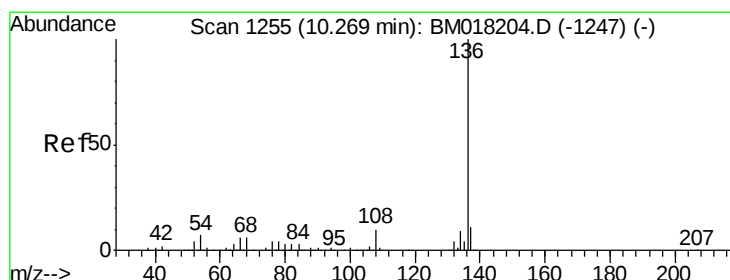
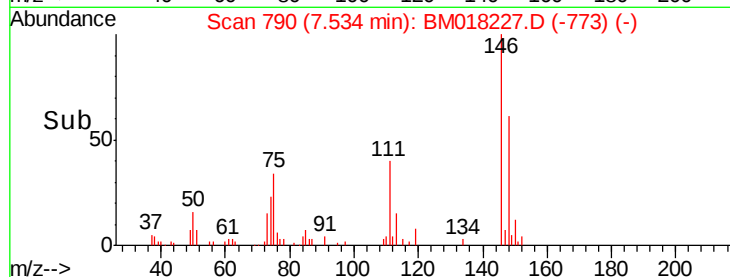
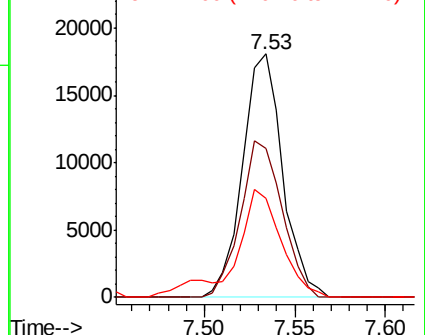


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.26 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BM018227.D

Acq: 16 Dec 2018 15:27

Tgt Ion:136 Resp: 489216

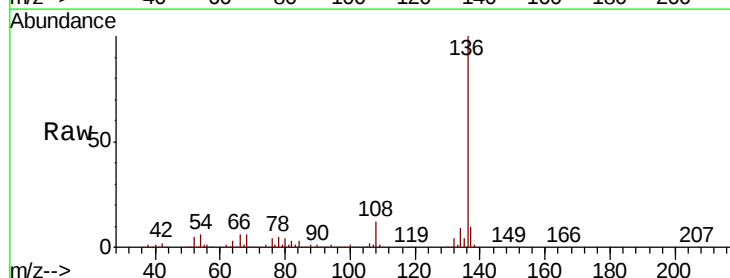
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 6.5 5.2 7.8

68 6.0 5.0 7.6



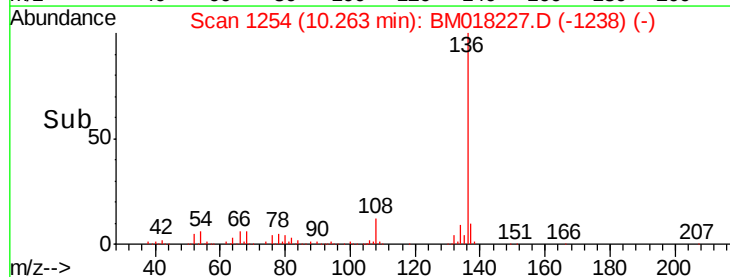
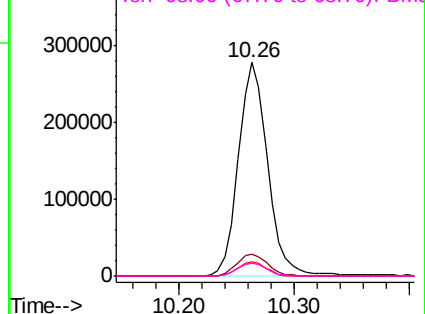
Abundance

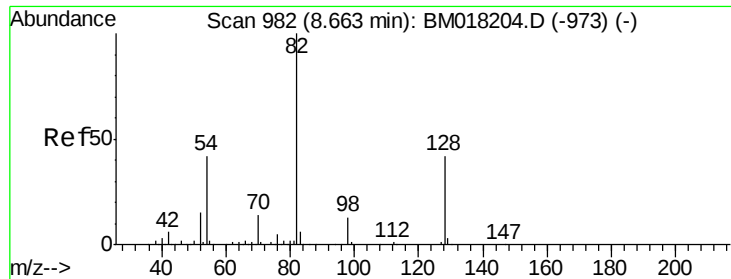
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

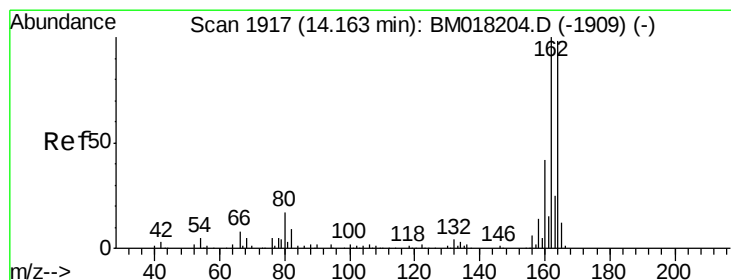
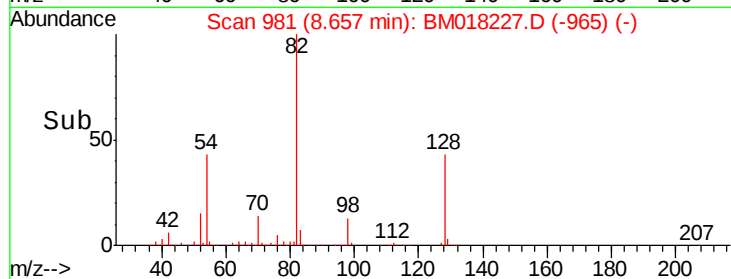
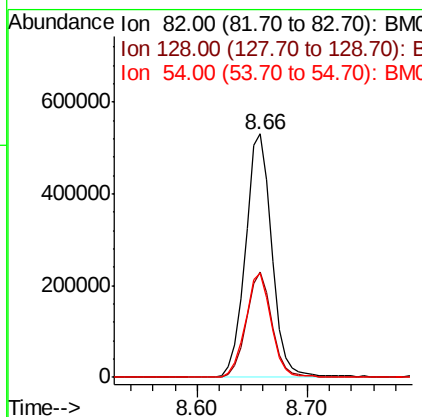
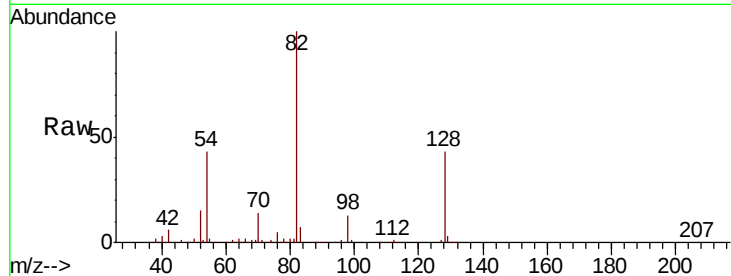




#23  
Nitrobenzene-d5  
Concen: 93.398 ng  
RT: 8.66 min Scan# 981  
Delta R.T. -0.01 min  
Lab File: BM018227.D  
Acq: 16 Dec 2018 15:27

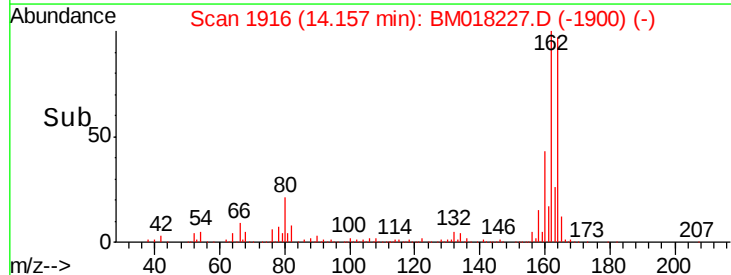
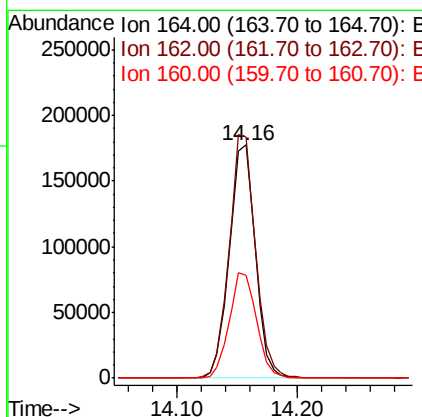
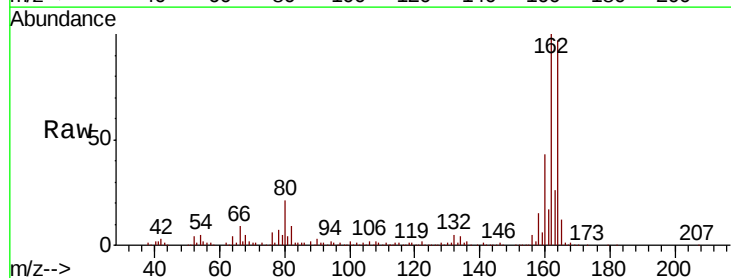
Instrument :  
BNA\_M  
ClientSampleId :

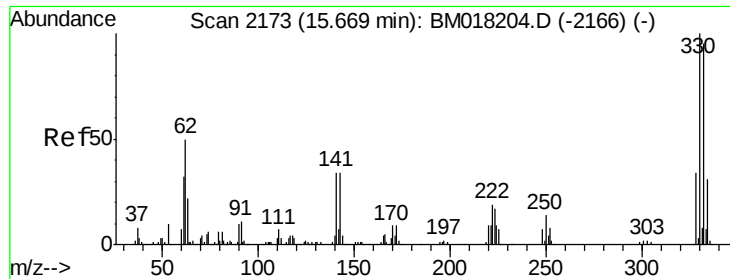
| Tot Ion   | 82    | Resp  | 890794 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.2  | 33.4  | 50.2   |
| 54        | 42.5  | 33.4  | 50.2   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.16 min Scan# 1916  
Delta R.T. -0.01 min  
Lab File: BM018227.D  
Acq: 16 Dec 2018 15:27

| Tgt Ion   | 164   | Resp  | 267694 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.4 | 81.8  | 122.6  |
| 160       | 44.1  | 34.6  | 51.8   |

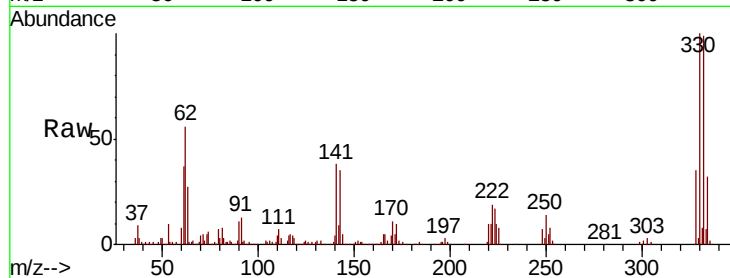




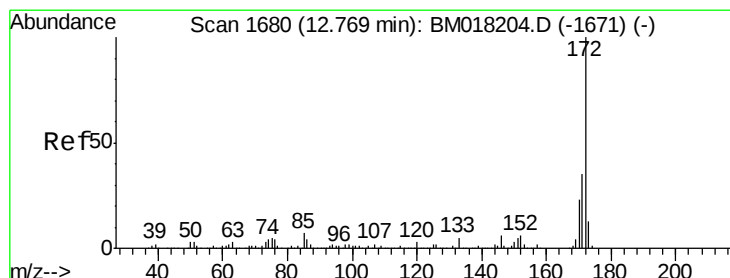
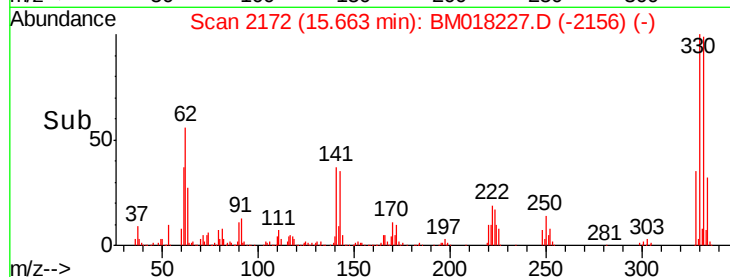
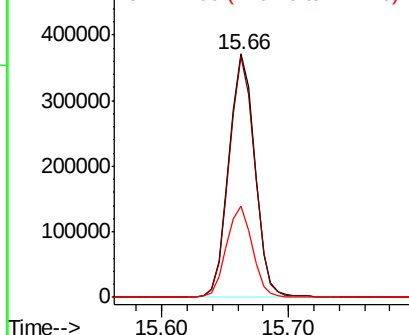
#42  
 2,4,6-Tribromophenol  
 Concen: 134.439 ng  
 RT: 15.66 min Scan# 2172  
 Delta R.T. -0.01 min  
 Lab File: BM018227.D  
 Acq: 16 Dec 2018 15:27

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:330 Resp: 528212  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 78.6 118.0  
 141 37.0 27.1 40.7

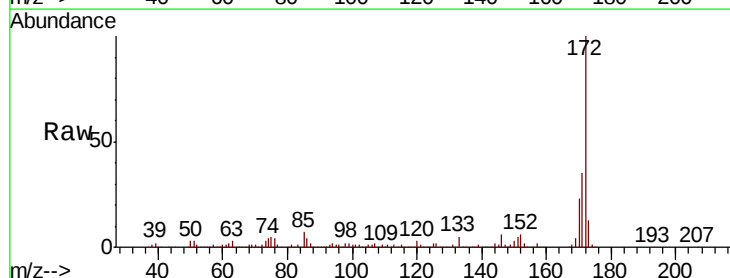


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

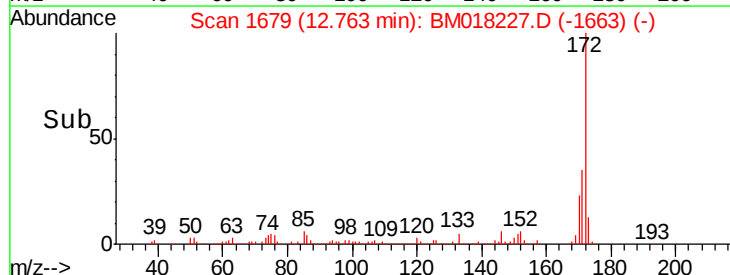
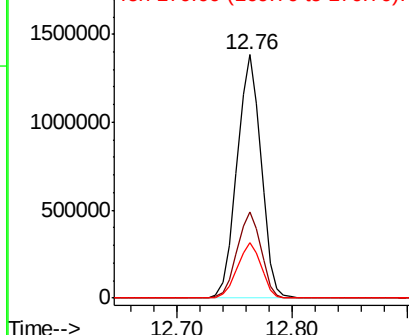


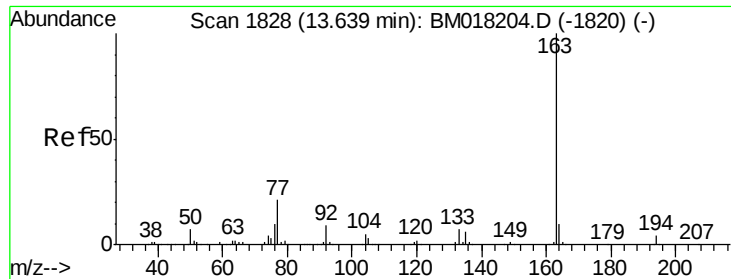
#45  
 2-Fluorobiphenyl  
 Concen: 96.997 ng  
 RT: 12.76 min Scan# 1679  
 Delta R.T. -0.01 min  
 Lab File: BM018227.D  
 Acq: 16 Dec 2018 15:27

Tgt Ion:172 Resp: 2004692  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.3 42.5  
 170 23.0 18.1 27.1



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

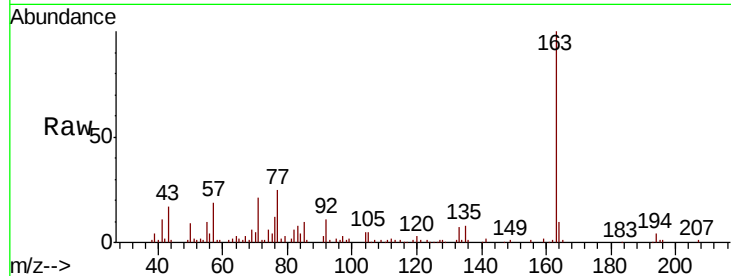




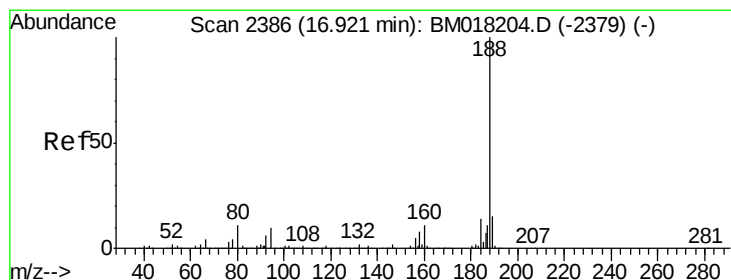
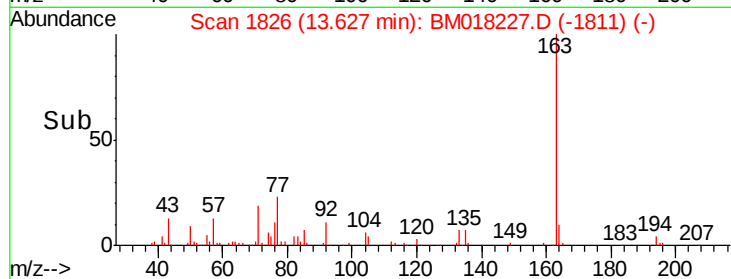
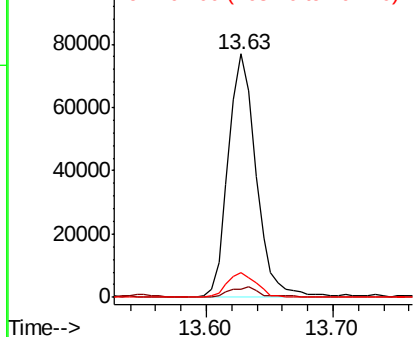
#50  
Dimethylphthalate  
Concen: 5.294 ng  
RT: 13.63 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BM018227.D  
Acq: 16 Dec 2018 15:27

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:163 Resp: 117811  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.1 4.7  
164 10.0 7.9 11.9

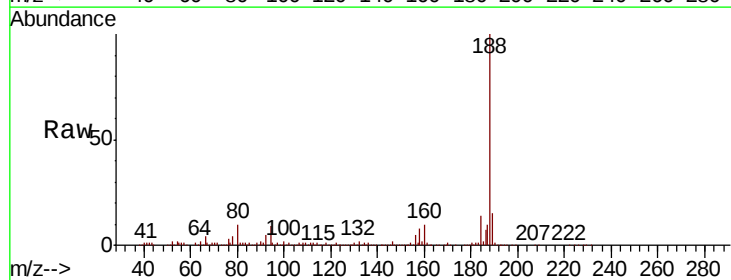


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

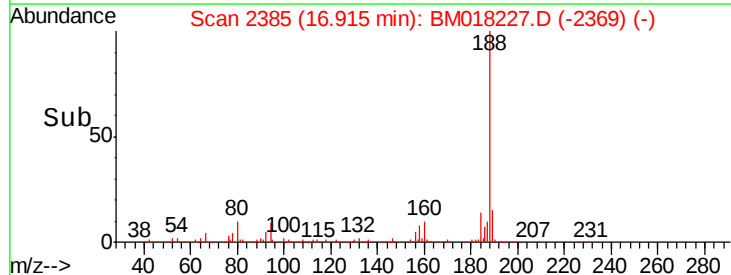
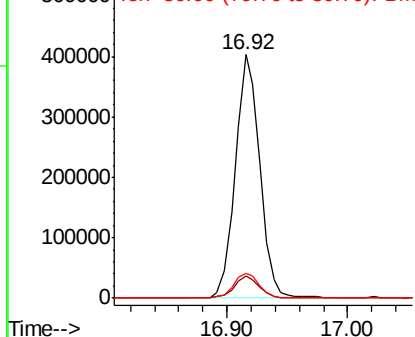


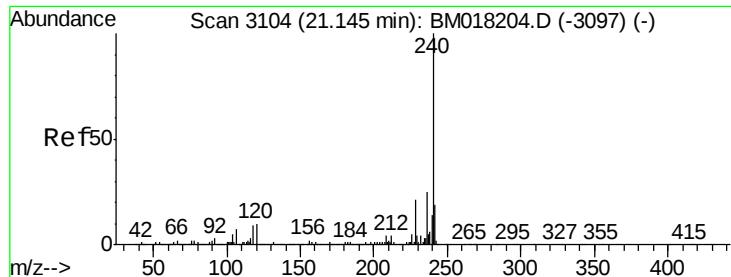
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.92 min Scan# 2385  
Delta R.T. -0.01 min  
Lab File: BM018227.D  
Acq: 16 Dec 2018 15:27

Tgt Ion:188 Resp: 568462  
Ion Ratio Lower Upper  
188 100  
94 9.4 8.0 12.0  
80 10.4 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0

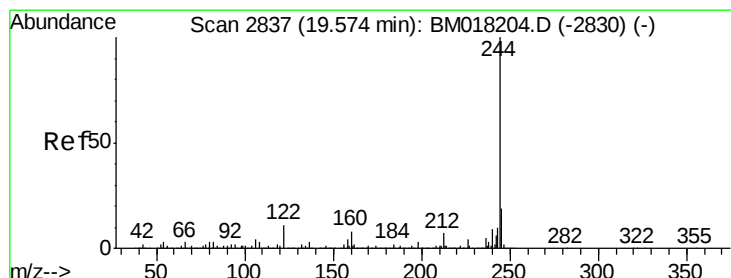
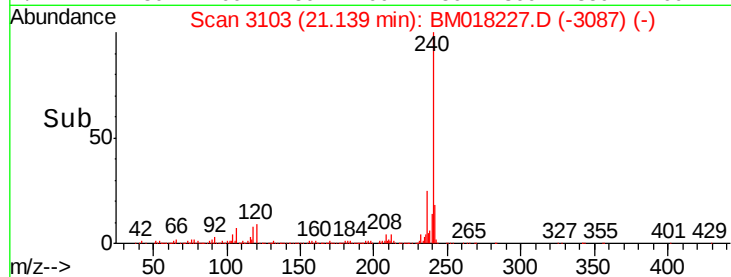
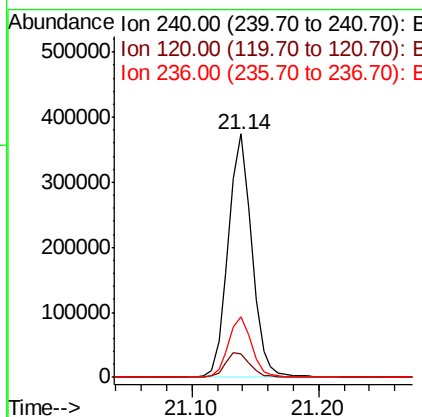
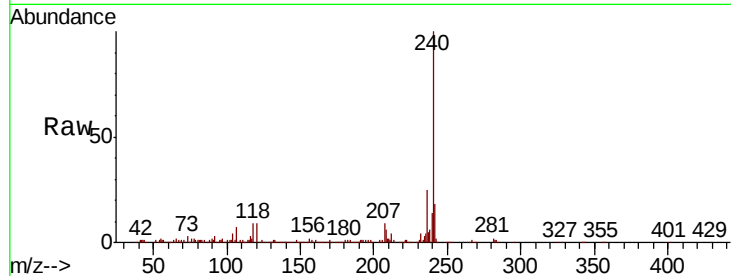




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.14 min Scan# 3103  
 Delta R.T. -0.01 min  
 Lab File: BM018227.D  
 Acq: 16 Dec 2018 15:27

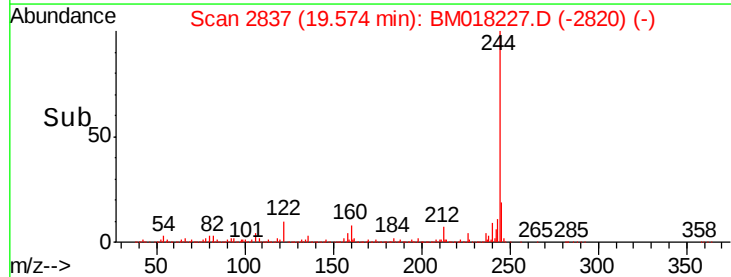
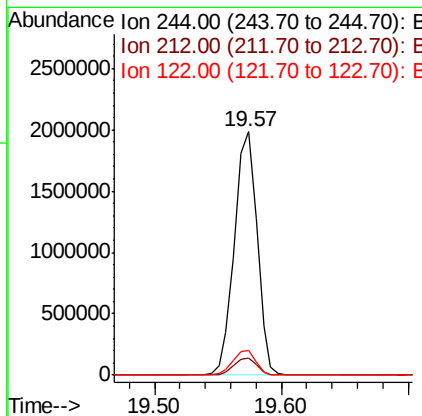
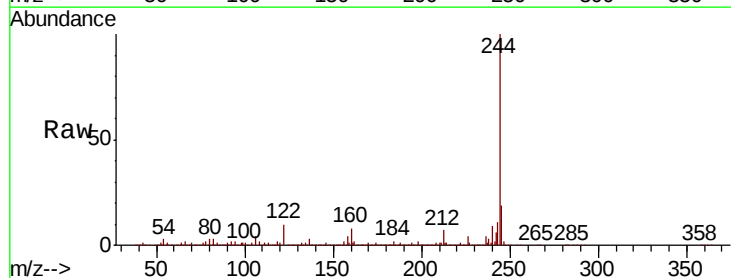
Instrument :  
 BNA\_M  
 ClientSampleId :

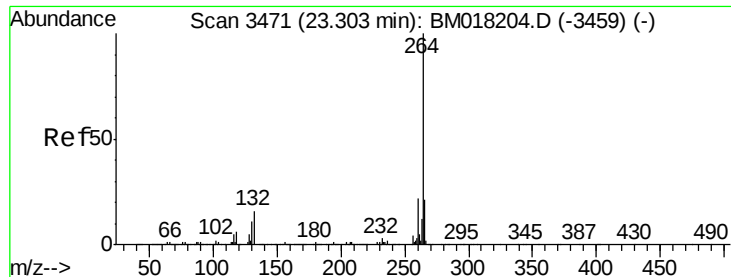
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.4   | 8.2   | 12.2  |
| 236     | 25.0  | 20.3  | 30.5  |



#79  
 Terphenyl-d14  
 Concen: 114.871 ng  
 RT: 19.57 min Scan# 2837  
 Delta R.T. -0.00 min  
 Lab File: BM018227.D  
 Acq: 16 Dec 2018 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.8   | 8.8   |
| 122     | 10.1  | 9.0   | 13.6  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.30 min Scan# 3470  
Delta R.T. -0.01 min  
Lab File: BM018227.D  
Acq: 16 Dec 2018 15:27

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 17.5  | 26.3  |
| 265     | 22.6  | 17.3  | 25.9  |

