

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071917\  
 Data File : BM010904.D  
 Acq On : 19 Jul 2017 21:40  
 Operator : SJ/JU  
 Sample : I4246-14  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 20 01:12:29 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

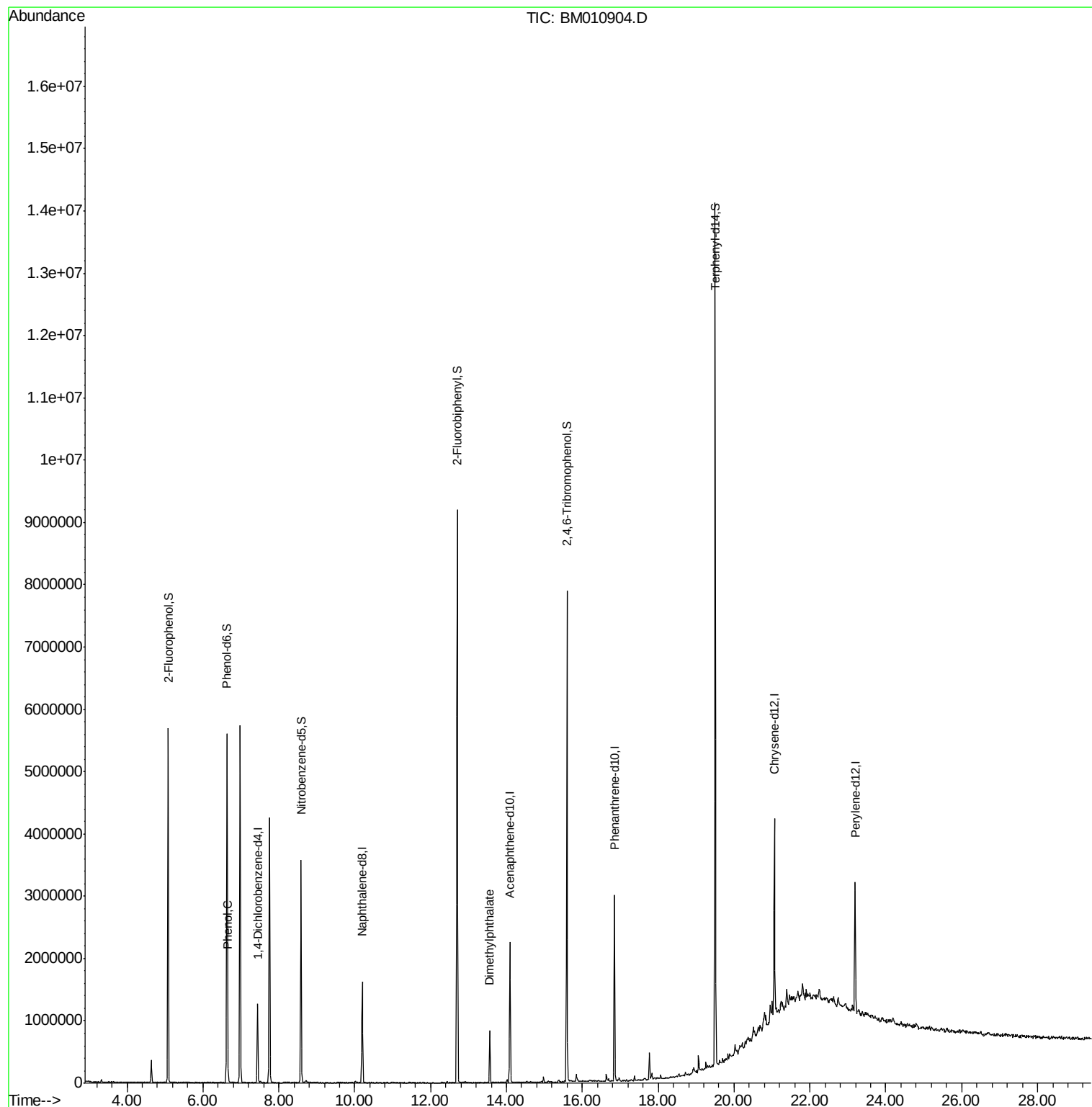
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.44  | 152  | 267063   | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.20 | 136  | 1079806  | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10        | 14.09 | 164  | 689434   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 16.84 | 188  | 1575264  | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.06 | 240  | 1535578  | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 23.19 | 264  | 1449608  | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.08  | 112  | 1835749  | 113.86 | ng    | 0.00      |
| 7) Phenol-d6                | 6.63  | 99   | 2541572  | 114.35 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.59  | 82   | 2002183  | 71.27  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 15.59 | 330  | 1142943  | 108.48 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 12.70 | 172  | 4230089  | 76.33  | ng    | 0.00      |
| 78) Terphenyl-d14           | 19.50 | 244  | 5317494  | 66.98  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.66  | 94   | 64736    | 2.75   | ng    | Qvalue 82 |
| 49) Dimethylphthalate       | 13.56 | 163  | 435756   | 7.43   | ng    | # 99      |

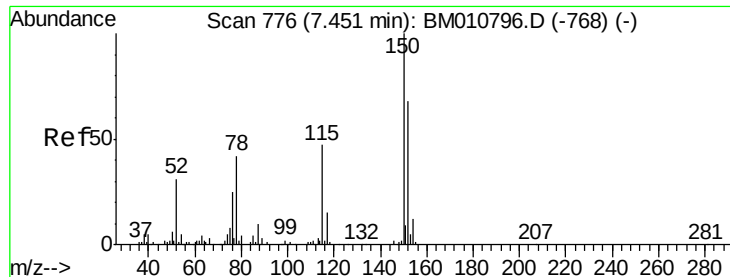
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071917\  
Data File : BM010904.D  
Acq On : 19 Jul 2017 21:40  
Operator : SJ/JU  
Sample : I4246-14  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Jul 20 01:12:29 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 12 14:21:16 2017  
Response via : Initial Calibration



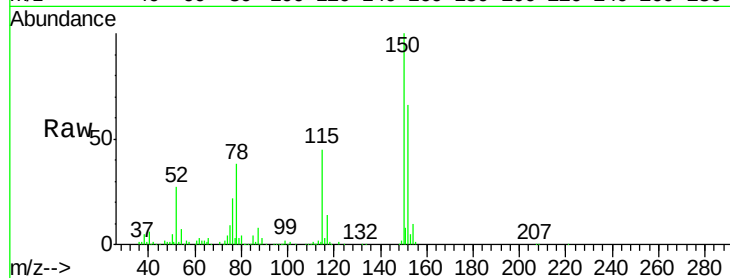


#1

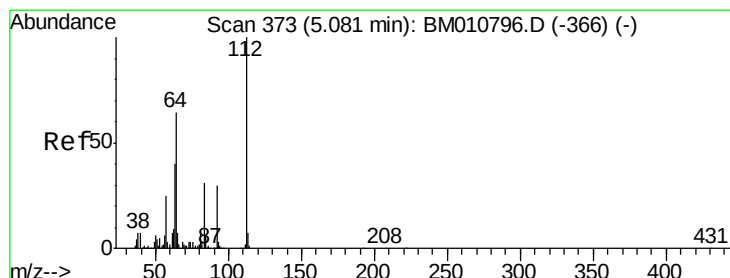
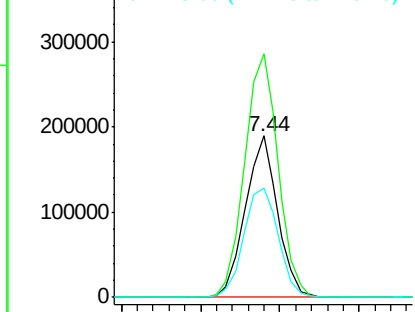
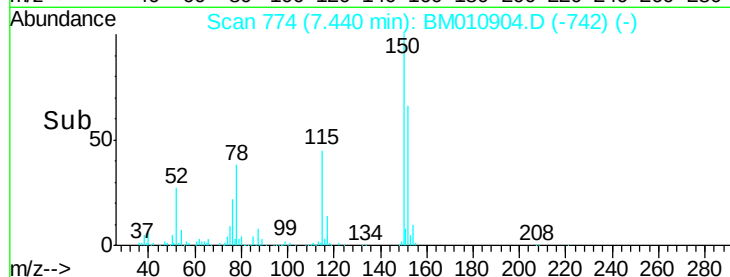
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

Instrument :  
BNA\_M  
ClientSampled :

| Tot Ion | 152   | Resp  | 267063 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 152     | 100   |       |        |
| 150     | 150.6 | 119.5 | 179.3  |
| 115     | 67.5  | 43.0  | 64.4   |



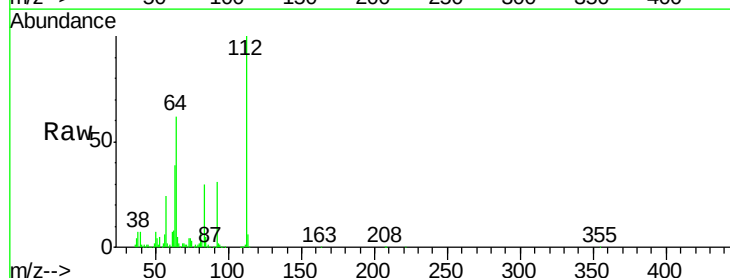
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



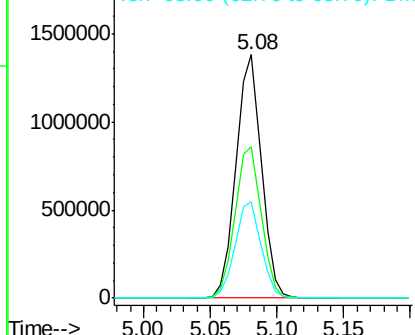
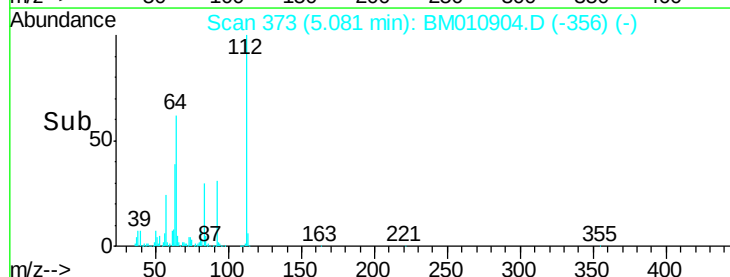
#5

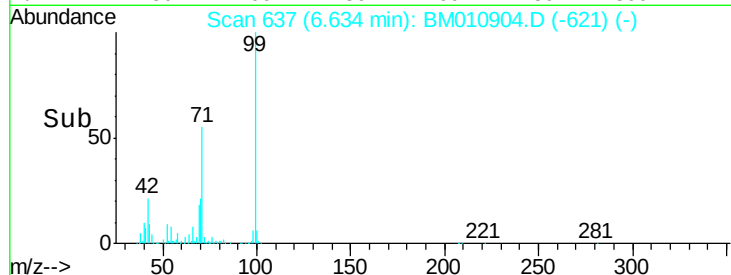
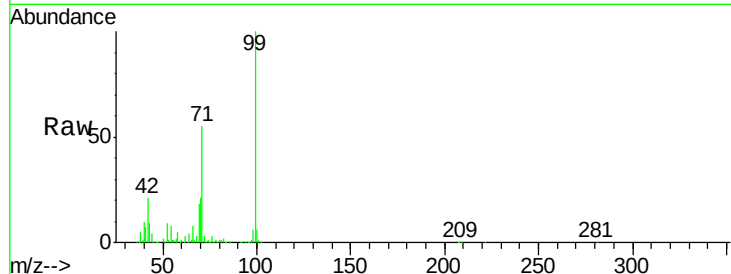
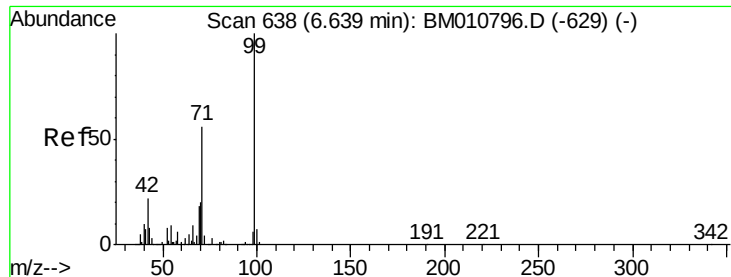
2-Fluorophenol  
Concen: 113.86 ng  
RT: 5.08 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

| Tgt Ion | 112   | Resp  | 1835749 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 112     | 100   |       |         |
| 64      | 62.1  | 38.6  | 57.8    |
| 63      | 39.4  | 19.3  | 28.9    |



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: 114.35 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010904.D

Acq: 19 Jul 2017 21:40

Instrument :

BNA\_M

ClientSampled :

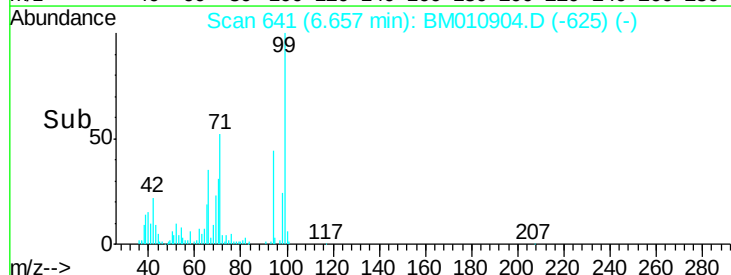
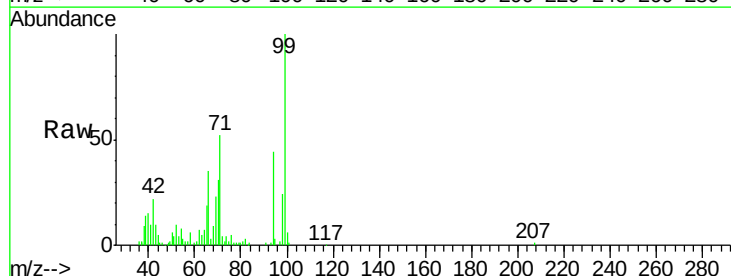
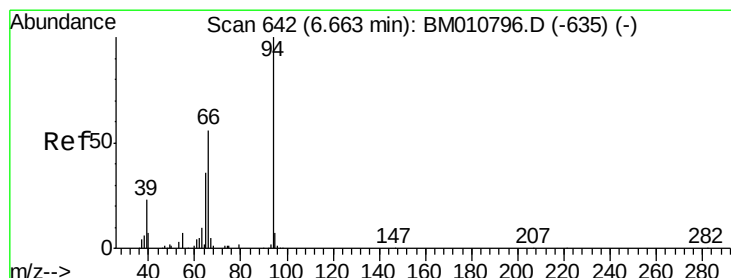
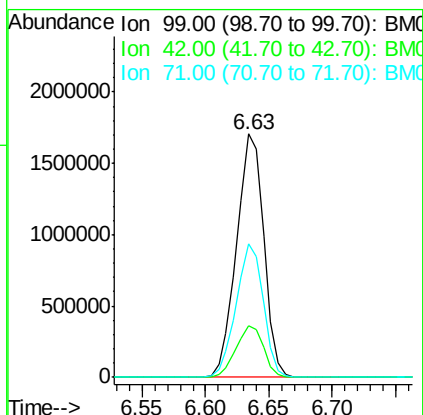
Tot Ion: 99 Resp: 2541572

Ion Ratio Lower Upper

99 100

42 21.4 11.0 16.4#

71 54.8 23.4 35.2#



#10

Phenol

Concen: 2.75 ng

RT: 6.66 min Scan# 641

Delta R.T. -0.01 min

Lab File: BM010904.D

Acq: 19 Jul 2017 21:40

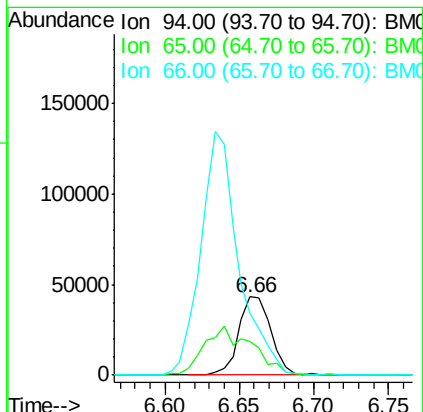
Tgt Ion: 94 Resp: 64736

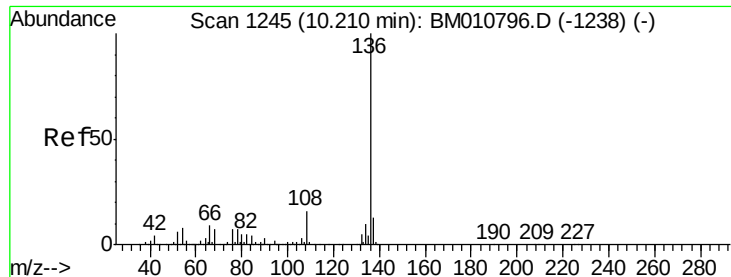
Ion Ratio Lower Upper

94 100

65 43.1 18.8 58.8

66 79.2 39.9 79.9

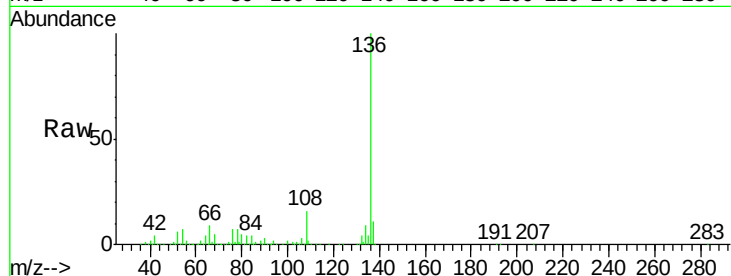




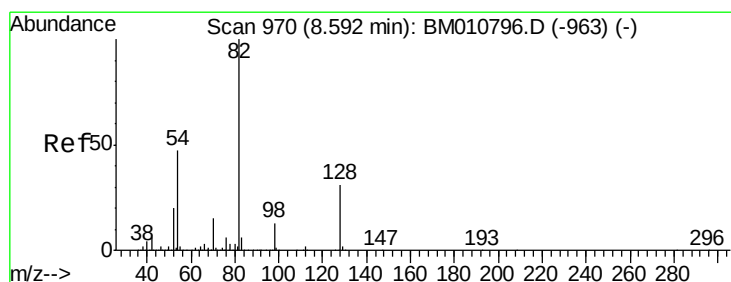
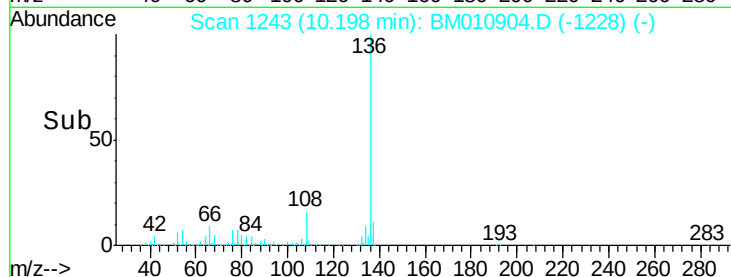
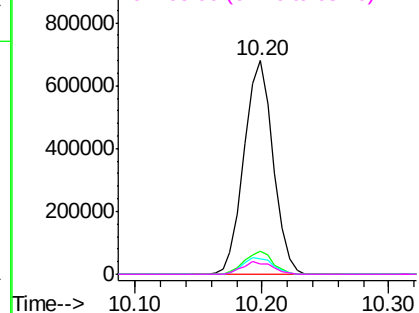
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.20 min Scan# 1243  
Delta R.T. -0.01 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:136 Resp: 1079806  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.7 13.1  
54 7.5 4.6 6.8#  
68 4.7 3.7 5.5

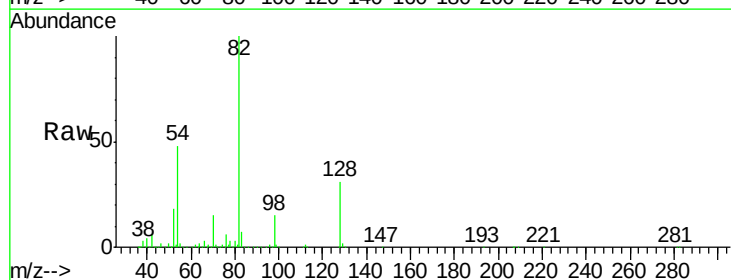


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

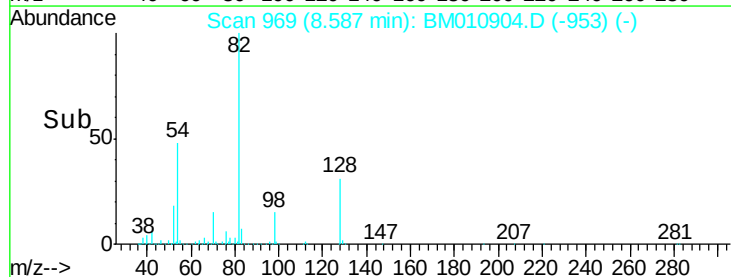
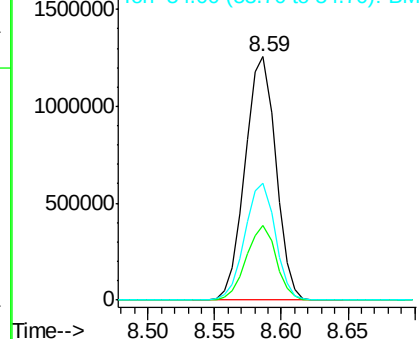


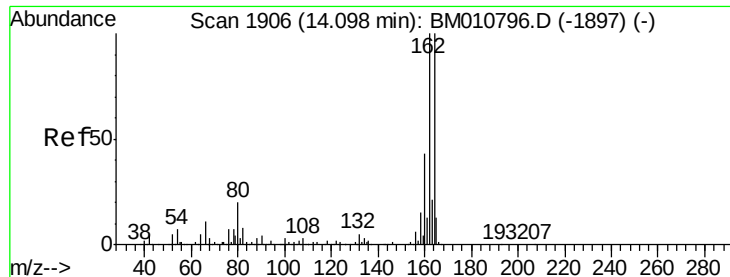
#23  
Nitrobenzene-d5  
Concen: 71.27 ng  
RT: 8.59 min Scan# 969  
Delta R.T. -0.01 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

Tgt Ion: 82 Resp: 2002183  
Ion Ratio Lower Upper  
82 100  
128 30.7 32.8 49.2#  
54 47.8 40.6 60.8



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

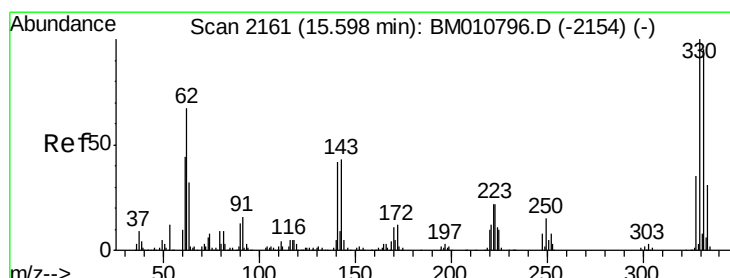
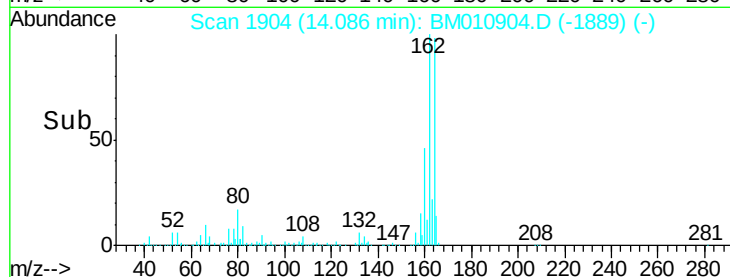
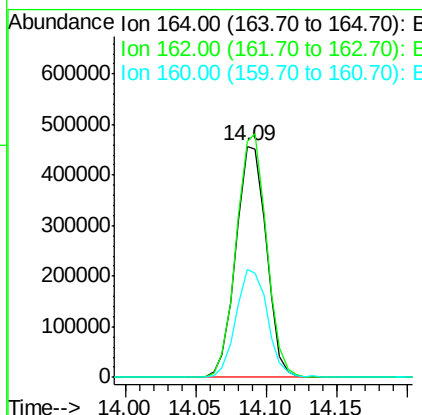
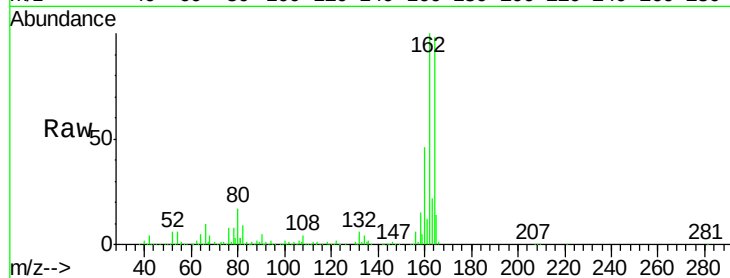




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.09 min Scan# 1904  
 Delta R.T. -0.01 min  
 Lab File: BM010904.D  
 Acq: 19 Jul 2017 21:40

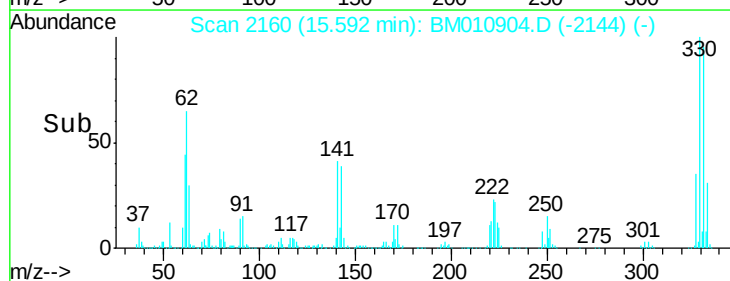
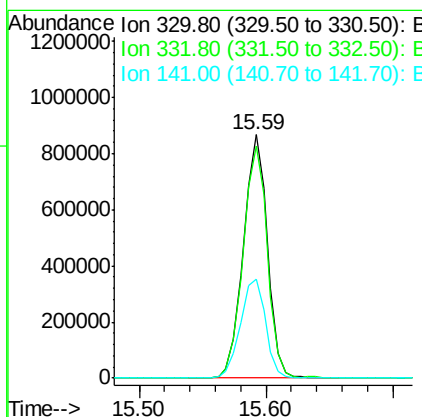
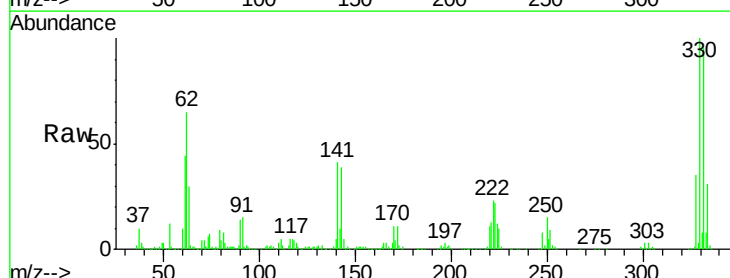
Instrument :  
 BNA\_M  
 ClientSampleId :

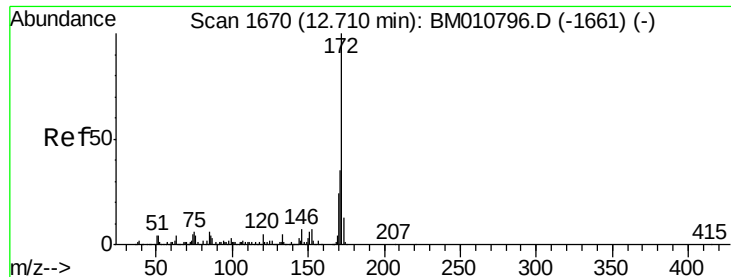
Tot Ion:164 Resp: 689434  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 82.4 123.6  
 160 47.0 35.8 53.6



#41  
 2,4,6-Tribromophenol  
 Concen: 108.48 ng  
 RT: 15.59 min Scan# 2160  
 Delta R.T. -0.01 min  
 Lab File: BM010904.D  
 Acq: 19 Jul 2017 21:40

Tgt Ion:330 Resp: 1142943  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 0.0 0.0#  
 141 42.6 0.0 0.0#

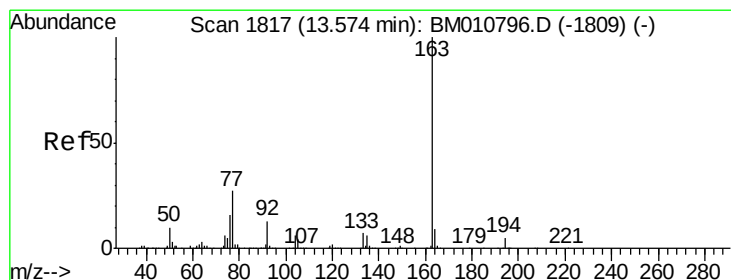
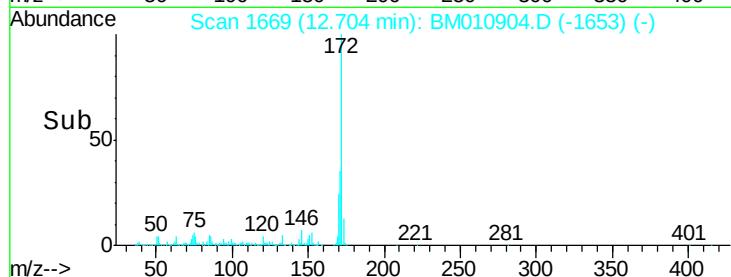
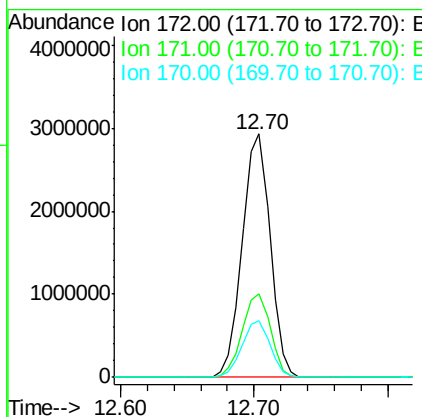
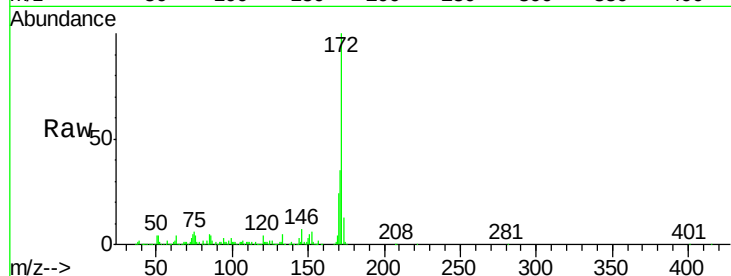




#44  
2-Fluorobiphenyl  
Concen: 76.33 ng  
RT: 12.70 min Scan# 1669  
Delta R.T. -0.01 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

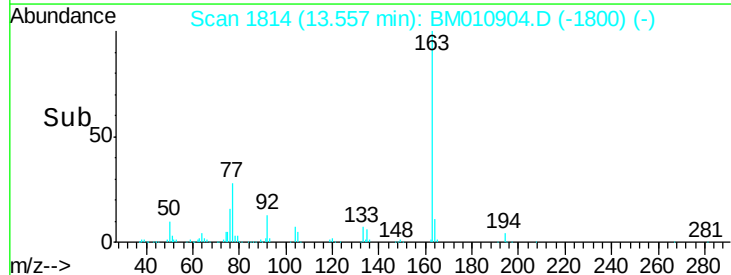
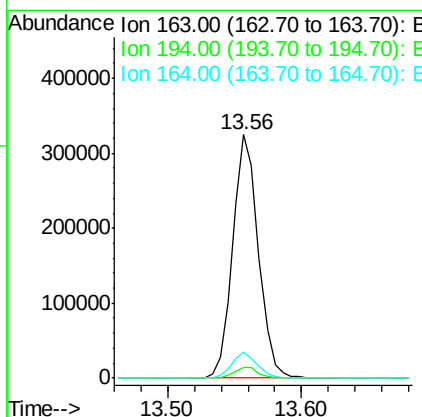
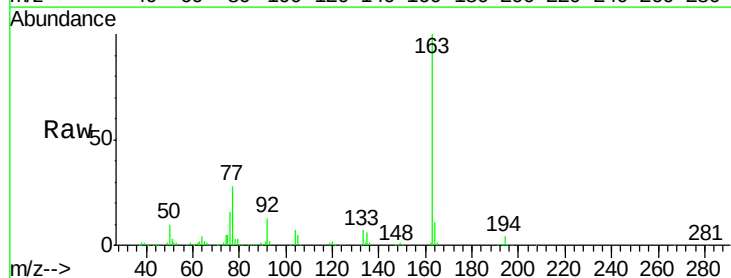
Instrument :  
BNA\_M  
ClientSampleId :

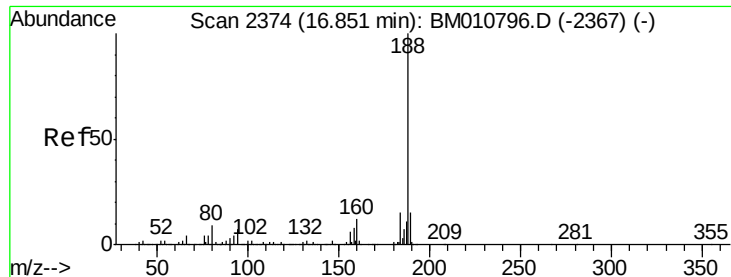
Tot Ion:172 Resp: 4230089  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.5 42.7  
170 23.5 18.8 28.2



#49  
Dimethylphthalate  
Concen: 7.43 ng  
RT: 13.56 min Scan# 1814  
Delta R.T. -0.02 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

Tgt Ion:163 Resp: 435756  
Ion Ratio Lower Upper  
163 100  
194 4.4 2.7 4.1#  
164 10.5 8.2 12.2

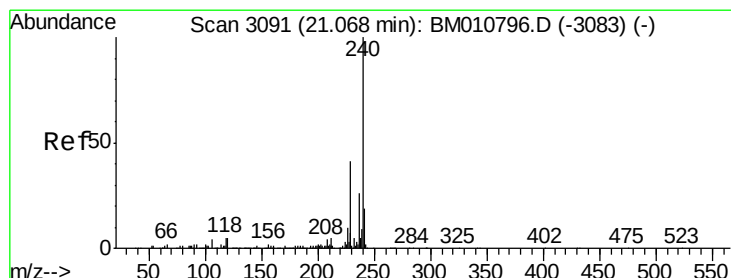
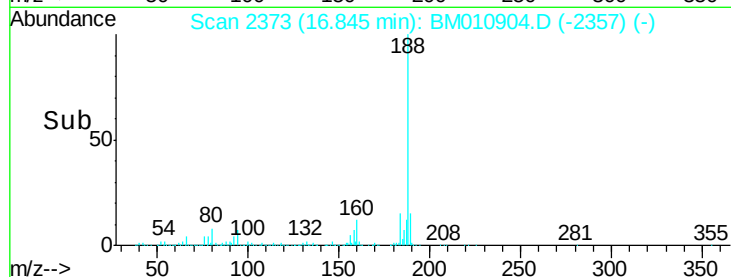
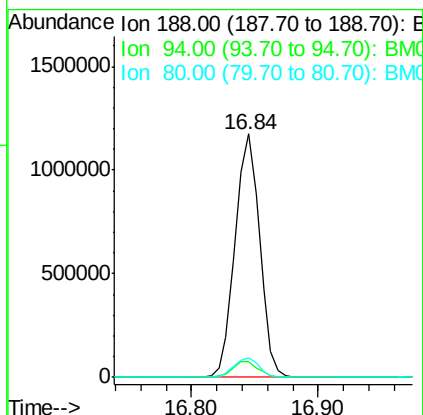
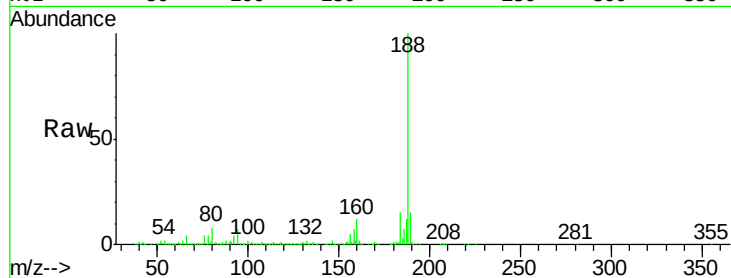




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.84 min Scan# 2373  
Delta R.T. -0.01 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

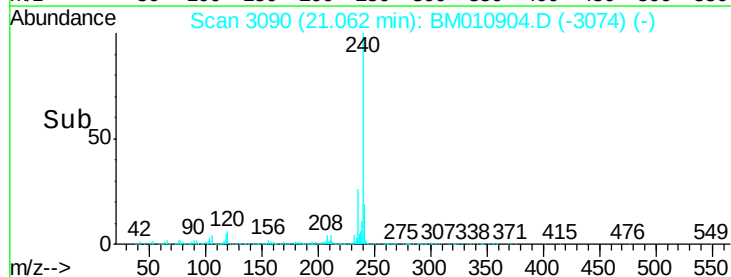
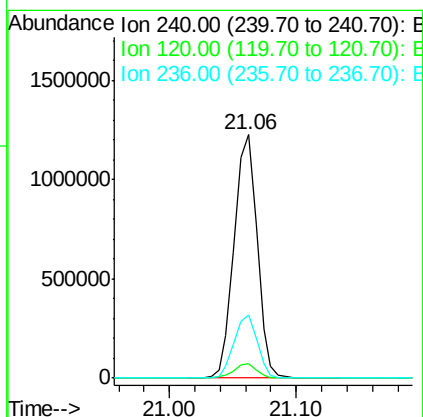
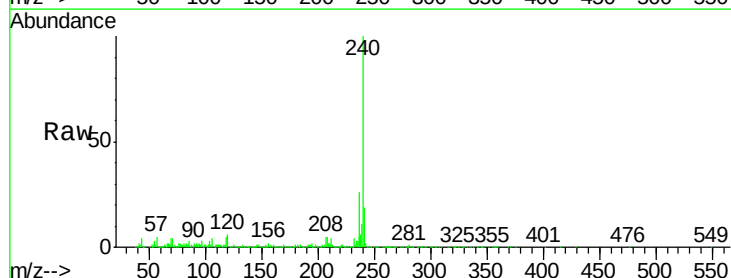
Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:188 Resp: 1575264  
Ion Ratio Lower Upper  
188 100  
94 6.7 8.7 13.1#  
80 8.0 9.3 13.9#

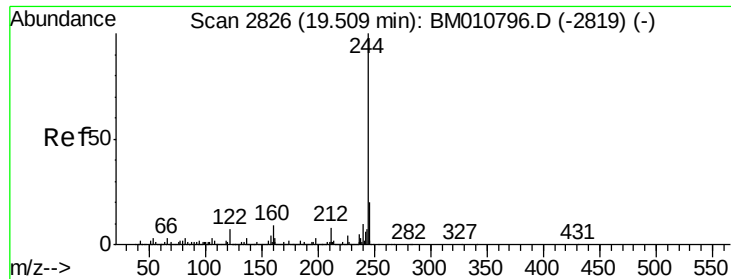


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.06 min Scan# 3090  
Delta R.T. -0.01 min  
Lab File: BM010904.D  
Acq: 19 Jul 2017 21:40

Tgt Ion:240 Resp: 1535578  
Ion Ratio Lower Upper  
240 100  
120 5.7 8.2 12.2#  
236 25.7 20.0 30.0







#78

Terphenyl-d14

Concen: 66.98 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM010904.D

Acq: 19 Jul 2017 21:40

Instrument :

BNA\_M

ClientSampled :

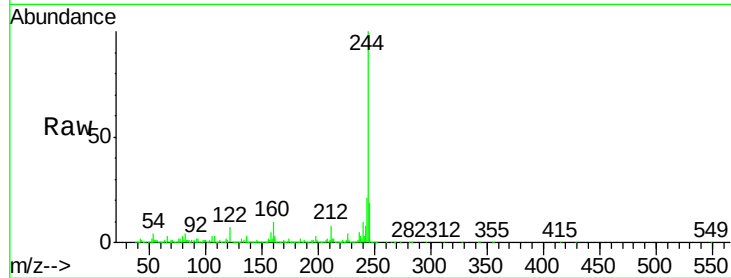
Tot Ion:244 Resp: 5317494

Ion Ratio Lower Upper

244 100

212 8.4 4.9 7.3#

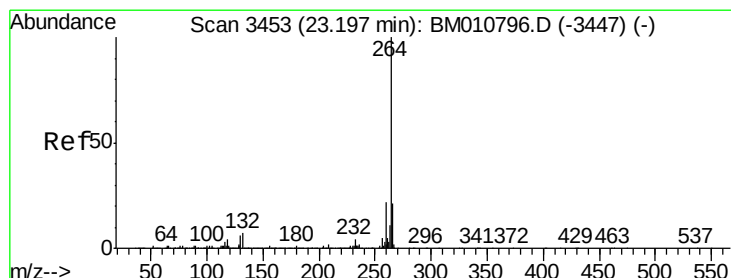
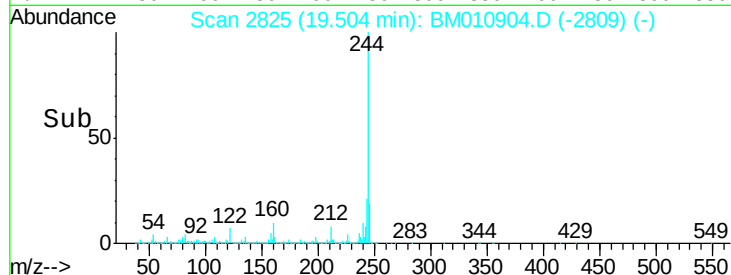
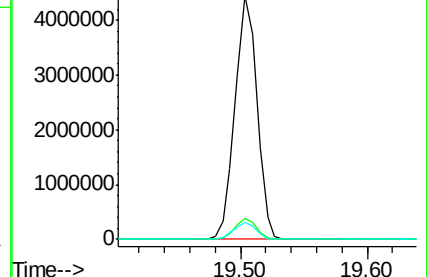
122 7.2 6.2 9.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM010904.D

Acq: 19 Jul 2017 21:40

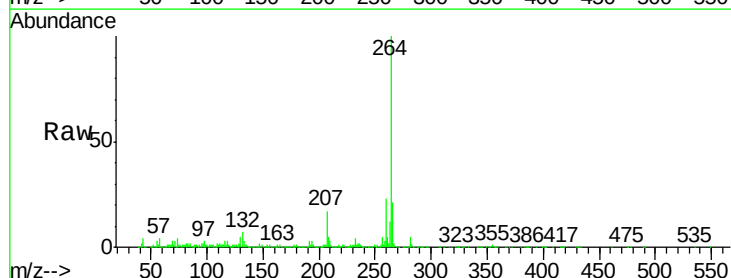
Tgt Ion:264 Resp: 1449608

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.1 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

