

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\  
 Data File : BM018496.D  
 Acq On : 10 Jan 2019 06:21  
 Operator : JU/SJ  
 Sample : K1008-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 HD-02-010819

Quant Time: Jan 10 08:25:04 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   | 7.76  | 152  | 554779   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.56 | 136  | 2312978  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.41 | 164  | 1330869  | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.16 | 188  | 2874194  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.35 | 240  | 2104029  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.64 | 264  | 2048617  | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 3994330  | 132.94 | ng    | 0.00     |
| 7) Phenol-d6                | 6.95  | 99   | 4726049  | 123.85 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.93  | 82   | 3692508  | 92.55  | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol    | 15.91 | 330  | 2561855  | 151.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.03 | 172  | 9555836  | 93.69  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.79 | 244  | 11431786 | 114.54 | ng    | 0.00     |

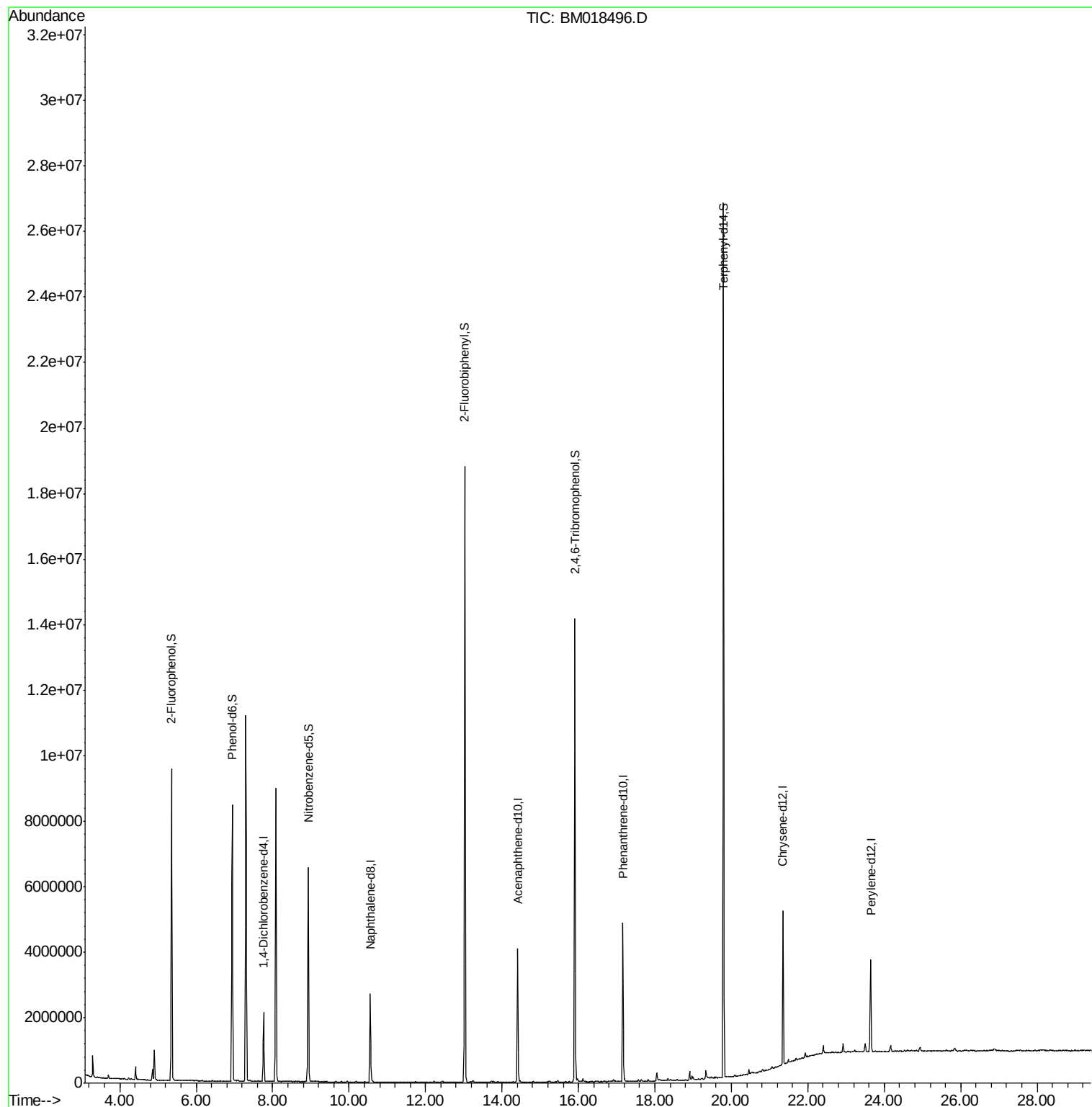
Target Compounds Qvalue

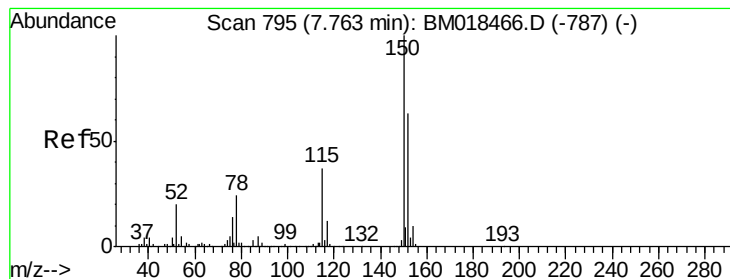
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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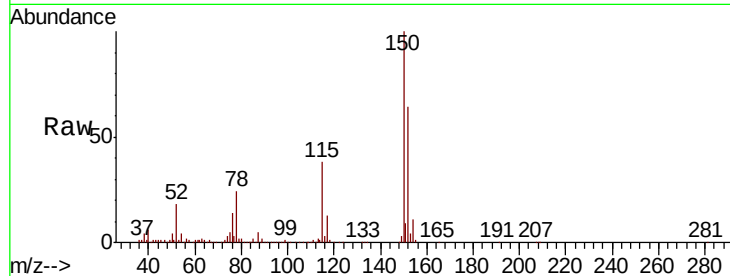


#1

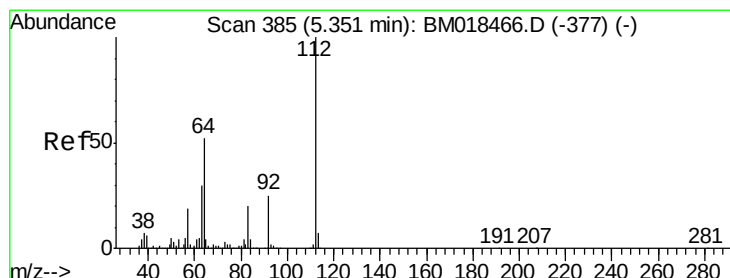
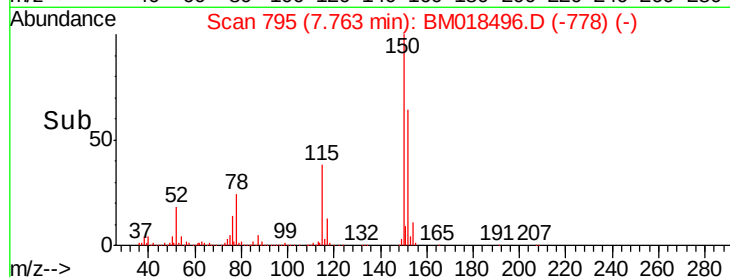
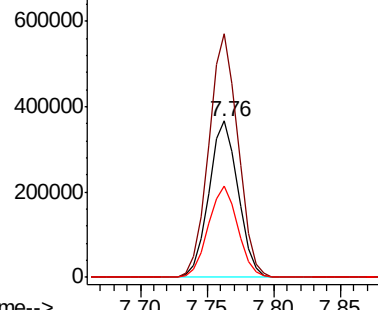
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.76 min Scan# 795  
Delta R.T. -0.00 min  
Lab File: BM018496.D  
Acq: 10 Jan 2019 06:21

Instrument :  
BNA\_M  
ClientSampleId :  
HD-02-010819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 126.9 | 190.3 |
| 115     | 58.9  | 45.5  | 68.3  |



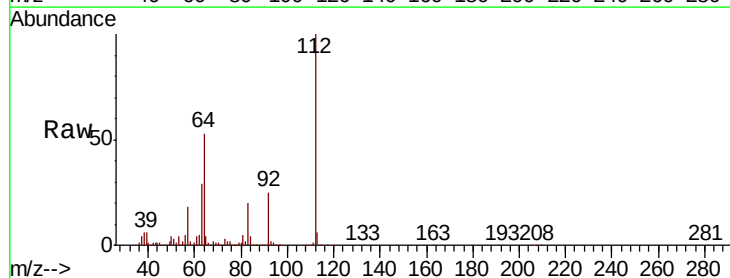
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



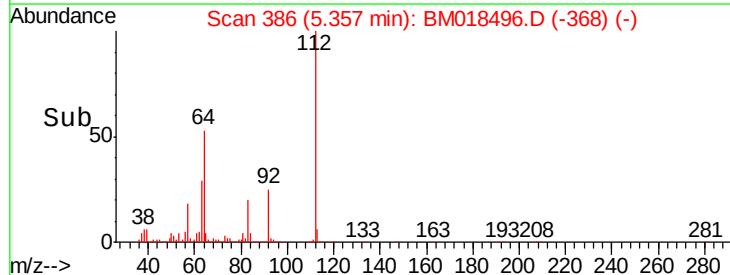
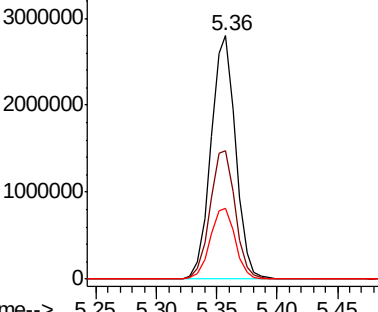
#5

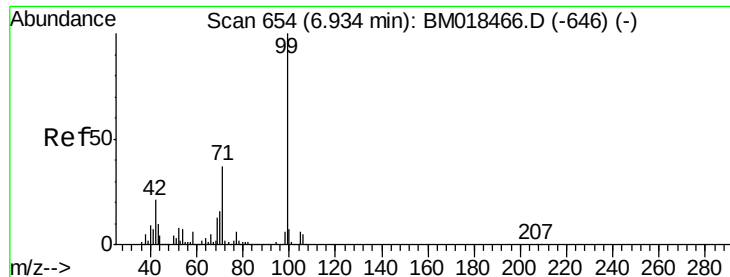
2-Fluorophenol  
Concen: 132.945 ng  
RT: 5.36 min Scan# 386  
Delta R.T. 0.01 min  
Lab File: BM018496.D  
Acq: 10 Jan 2019 06:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.9  | 46.5  | 69.7  |
| 63      | 29.1  | 25.2  | 37.8  |



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: 123.846 ng

RT: 6.95 min Scan# 656

Delta R.T. 0.01 min

Lab File: BM018496.D

Acq: 10 Jan 2019 06:21

Instrument :

BNA\_M

ClientSampleId :

HD-02-010819

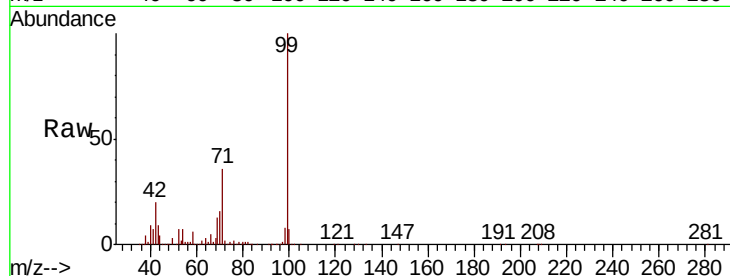
Tot Ion: 99 Resp: 4726049

Ion Ratio Lower Upper

99 100

42 19.6 17.3 25.9

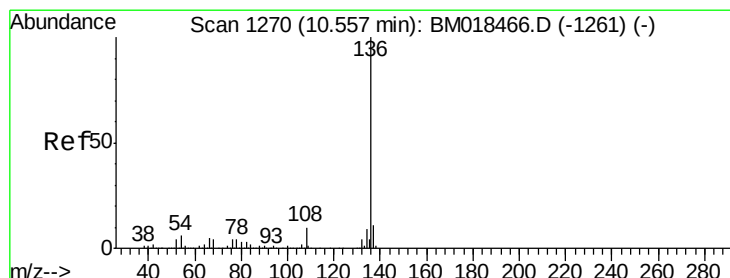
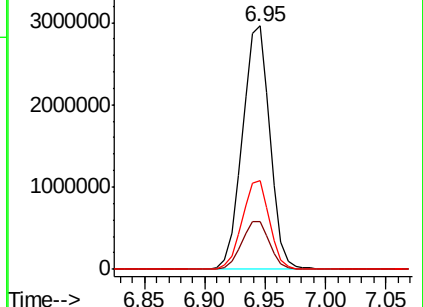
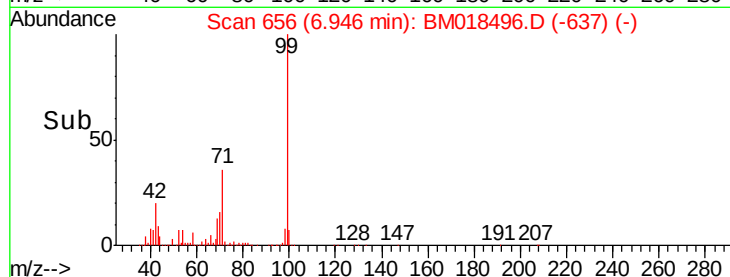
71 36.4 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018496.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018496.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018496.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BM018496.D

Acq: 10 Jan 2019 06:21

Tgt Ion: 136 Resp: 2312978

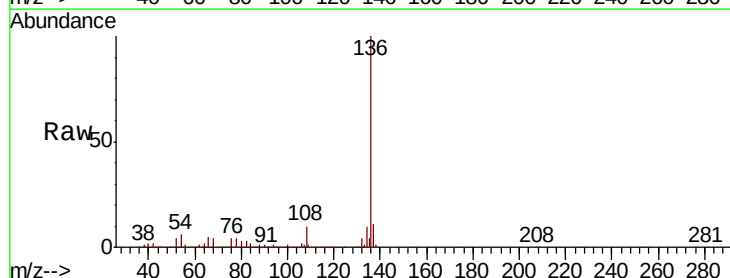
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.3 6.0 9.0

68 4.1 4.5 6.7#

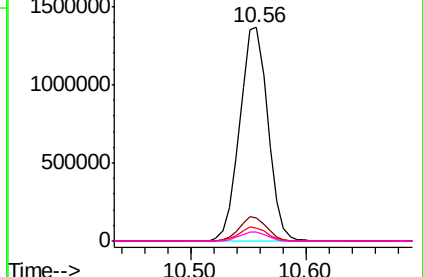
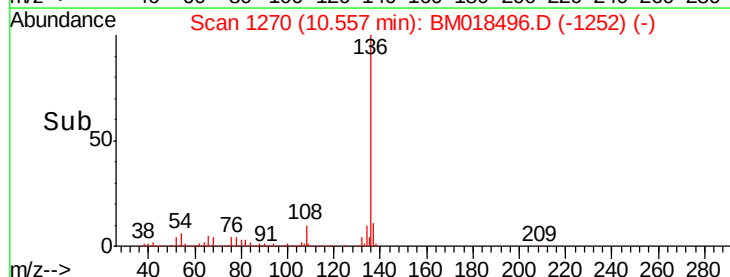


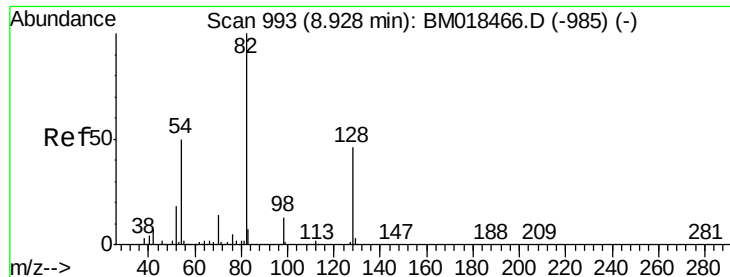
Abundance Ion 136.00 (135.70 to 136.70): BM018496.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018496.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018496.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018496.D (-1252) (-)



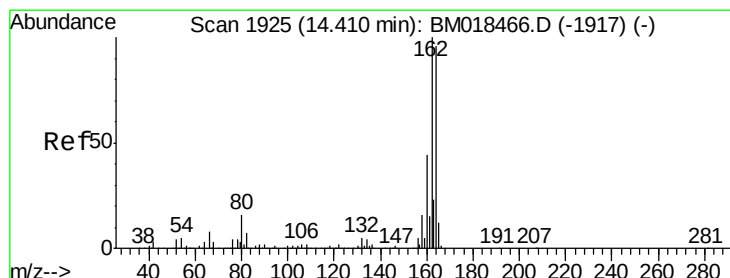
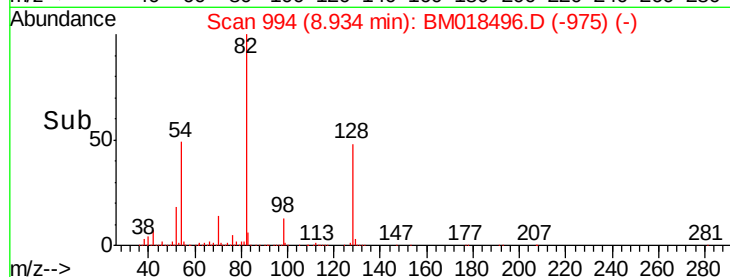
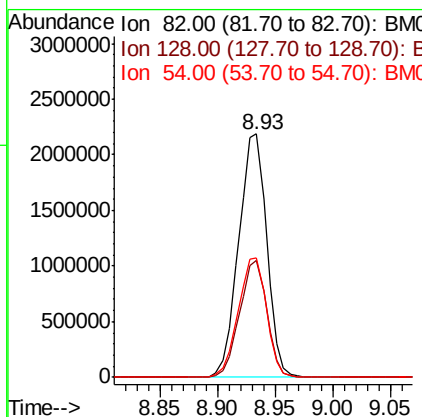
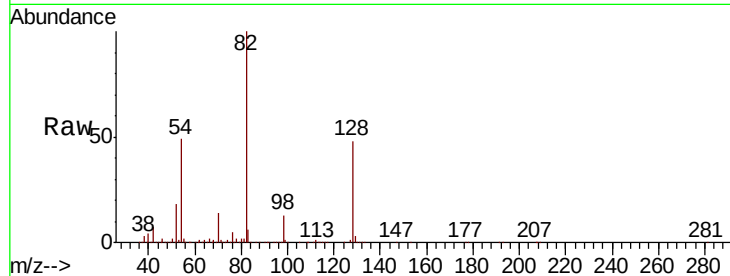


#23  
 Nitrobenzene-d5  
 Concen: 92.547 ng  
 RT: 8.93 min Scan# 994  
 Delta R.T. 0.01 min  
 Lab File: BM018496.D  
 Acq: 10 Jan 2019 06:21

Instrument :  
 BNA\_M  
 ClientSampleId :  
 HD-02-010819

Tot Ion: 82 Resp: 3692508  

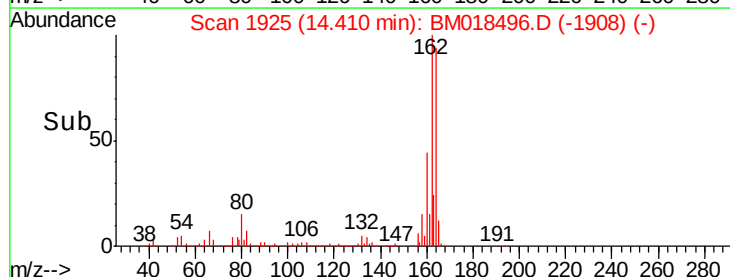
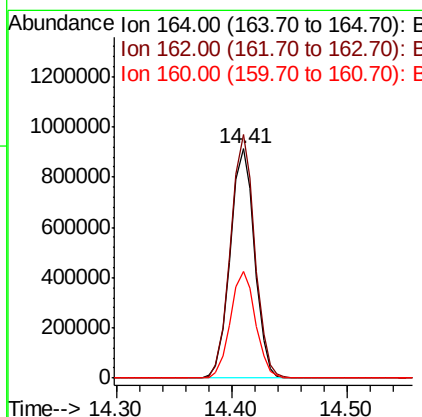
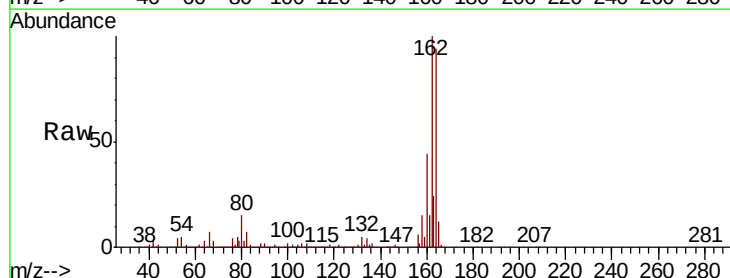
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.1  | 36.3  | 54.5  |
| 54  | 48.9  | 41.7  | 62.5  |

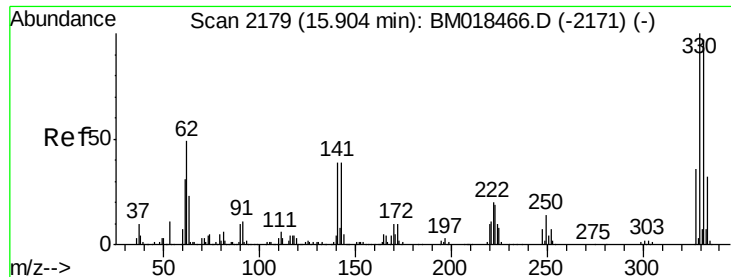


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.41 min Scan# 1925  
 Delta R.T. -0.00 min  
 Lab File: BM018496.D  
 Acq: 10 Jan 2019 06:21

Tgt Ion: 164 Resp: 1330869  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 106.2 | 83.0  | 124.4 |
| 160 | 46.6  | 37.1  | 55.7  |





#42

2,4,6-Tribromophenol

Concen: 151.180 ng

RT: 15.91 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BM018496.D

Acq: 10 Jan 2019 06:21

Instrument :

BNA\_M

ClientSampleId :

HD-02-010819

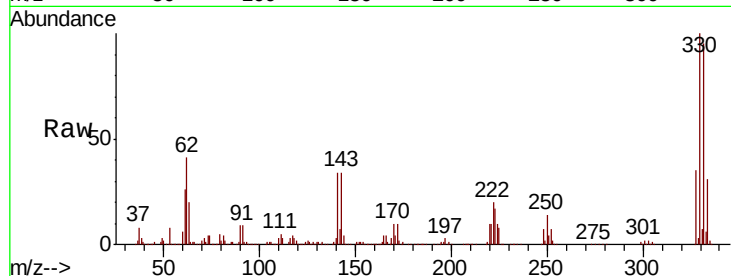
Tot Ion:330 Resp: 2561855

Ion Ratio Lower Upper

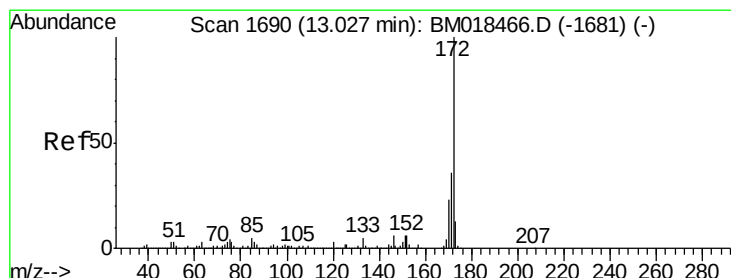
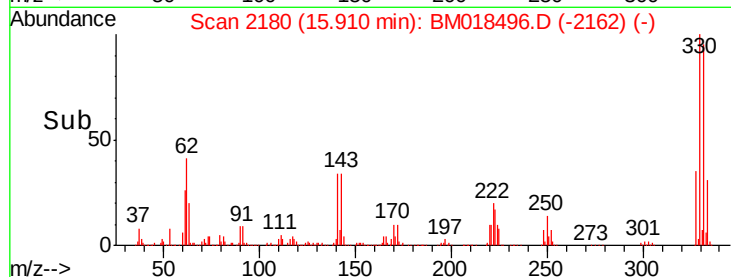
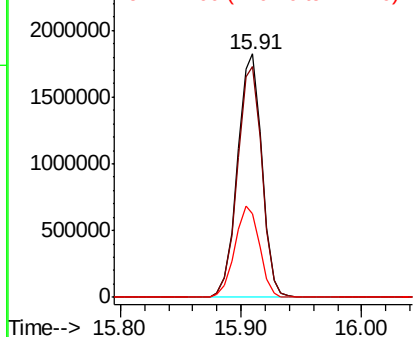
330 100

332 96.2 77.6 116.4

141 38.2 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: 93.691 ng

RT: 13.03 min Scan# 1690

Delta R.T. 0.01 min

Lab File: BM018496.D

Acq: 10 Jan 2019 06:21

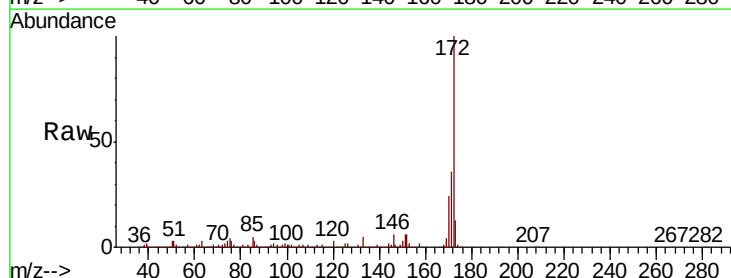
Tgt Ion:172 Resp: 9555836

Ion Ratio Lower Upper

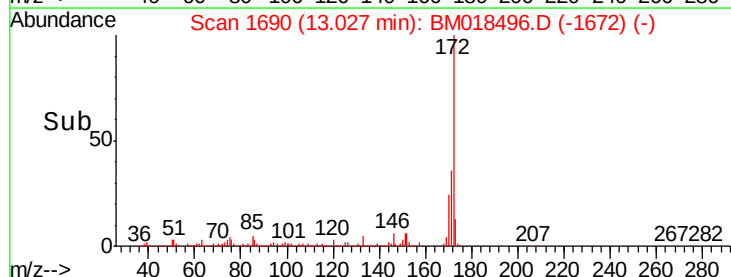
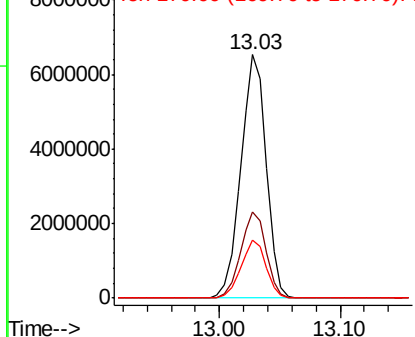
172 100

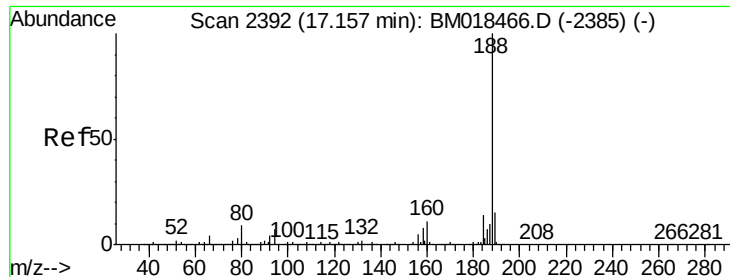
171 35.6 28.2 42.4

170 23.6 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

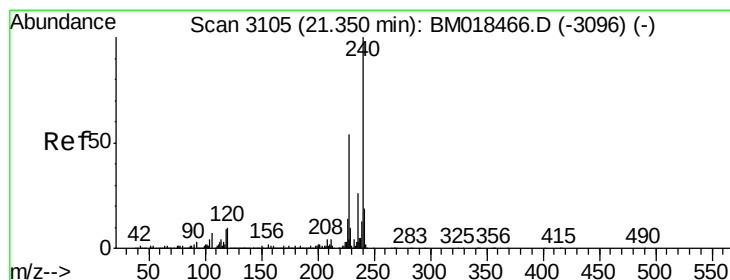
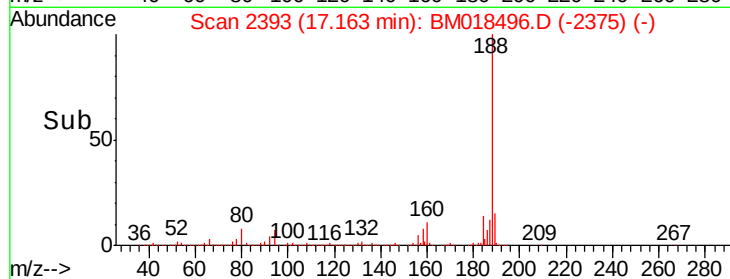
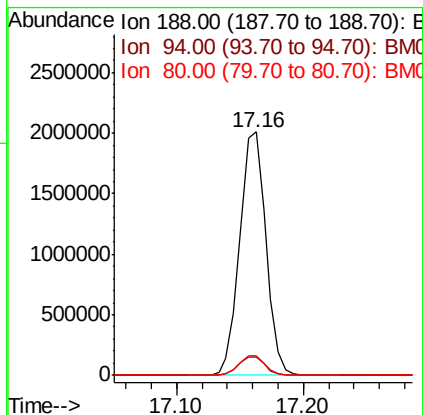
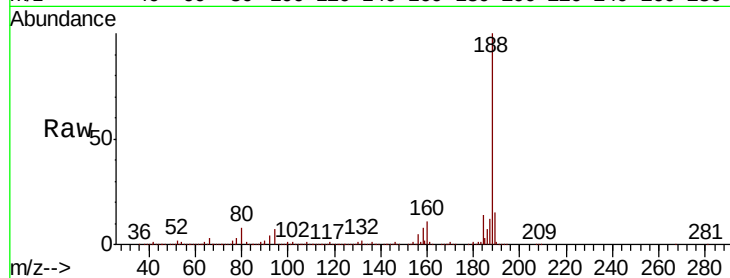




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.16 min Scan# 2393  
Delta R.T. 0.01 min  
Lab File: BM018496.D  
Acq: 10 Jan 2019 06:21

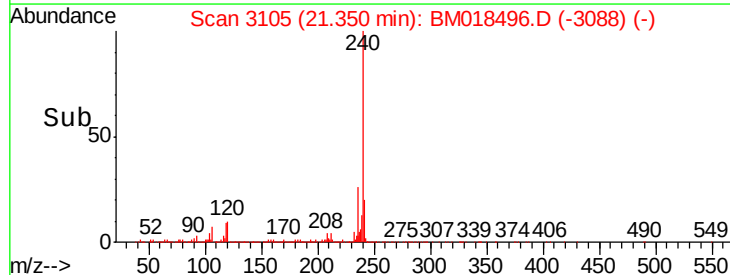
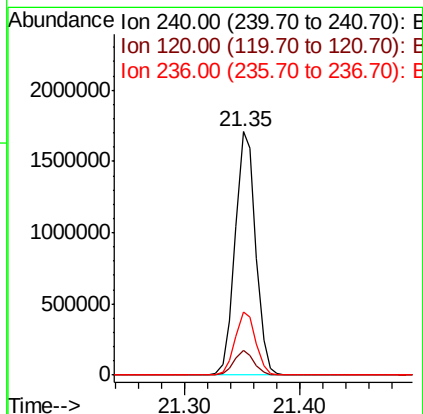
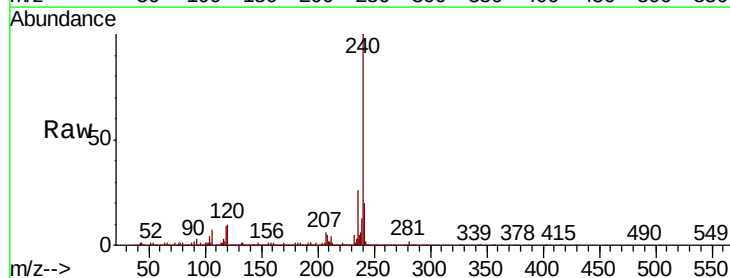
Instrument :  
BNA\_M  
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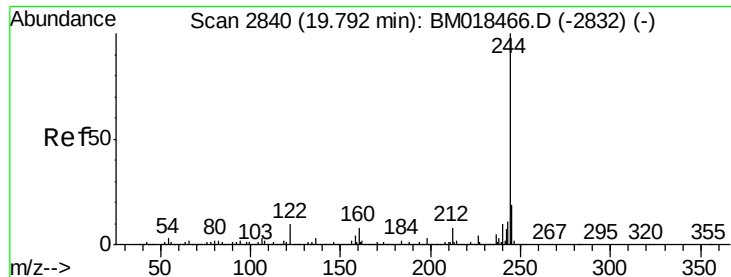
Tot Ion:188 Resp: 2874194  
Ion Ratio Lower Upper  
188 100  
94 7.4 7.1 10.7  
80 8.0 7.6 11.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.35 min Scan# 3105  
Delta R.T. -0.00 min  
Lab File: BM018496.D  
Acq: 10 Jan 2019 06:21

Tgt Ion:240 Resp: 2104029  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.4 12.6  
236 25.8 20.7 31.1





#79

Terphenyl-d14

Concen: 114.535 ng

RT: 19.79 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BM018496.D

Acq: 10 Jan 2019 06:21

Instrument :

BNA\_M

ClientSampleId :

HD-02-010819

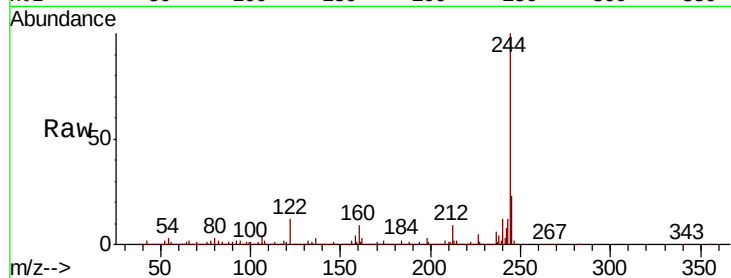
Tot Ion:244 Resp:11431786

Ion Ratio Lower Upper

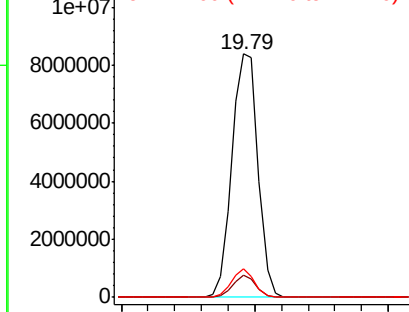
244 100

212 9.2 5.9 8.9#

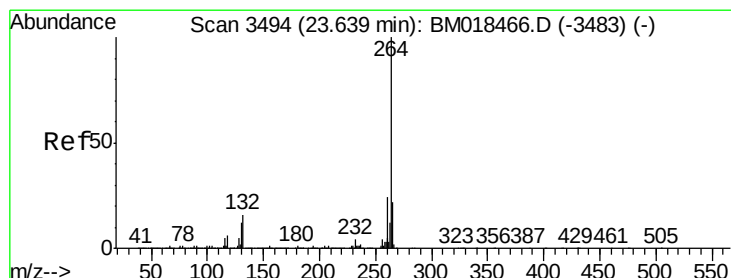
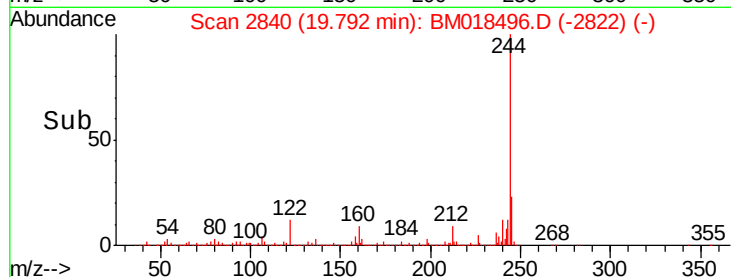
122 11.6 9.0 13.4



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



Time--> 19.70 19.80



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM018496.D

Acq: 10 Jan 2019 06:21

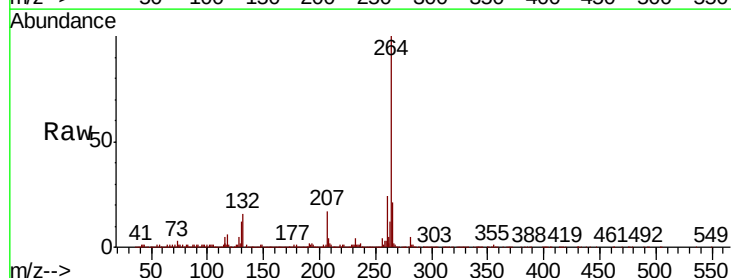
Tgt Ion:264 Resp: 2048617

Ion Ratio Lower Upper

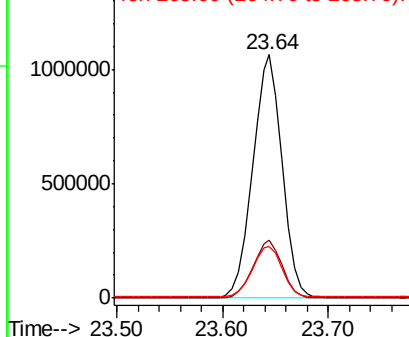
264 100

260 23.9 18.9 28.3

265 21.2 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



Time--> 23.50 23.60 23.70

