

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\  
 Data File : BM018820.D  
 Acq On : 15 Feb 2019 17:06  
 Operator : JU/SJ  
 Sample : K1484-15  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M-3-D

Quant Time: Feb 18 12:12:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

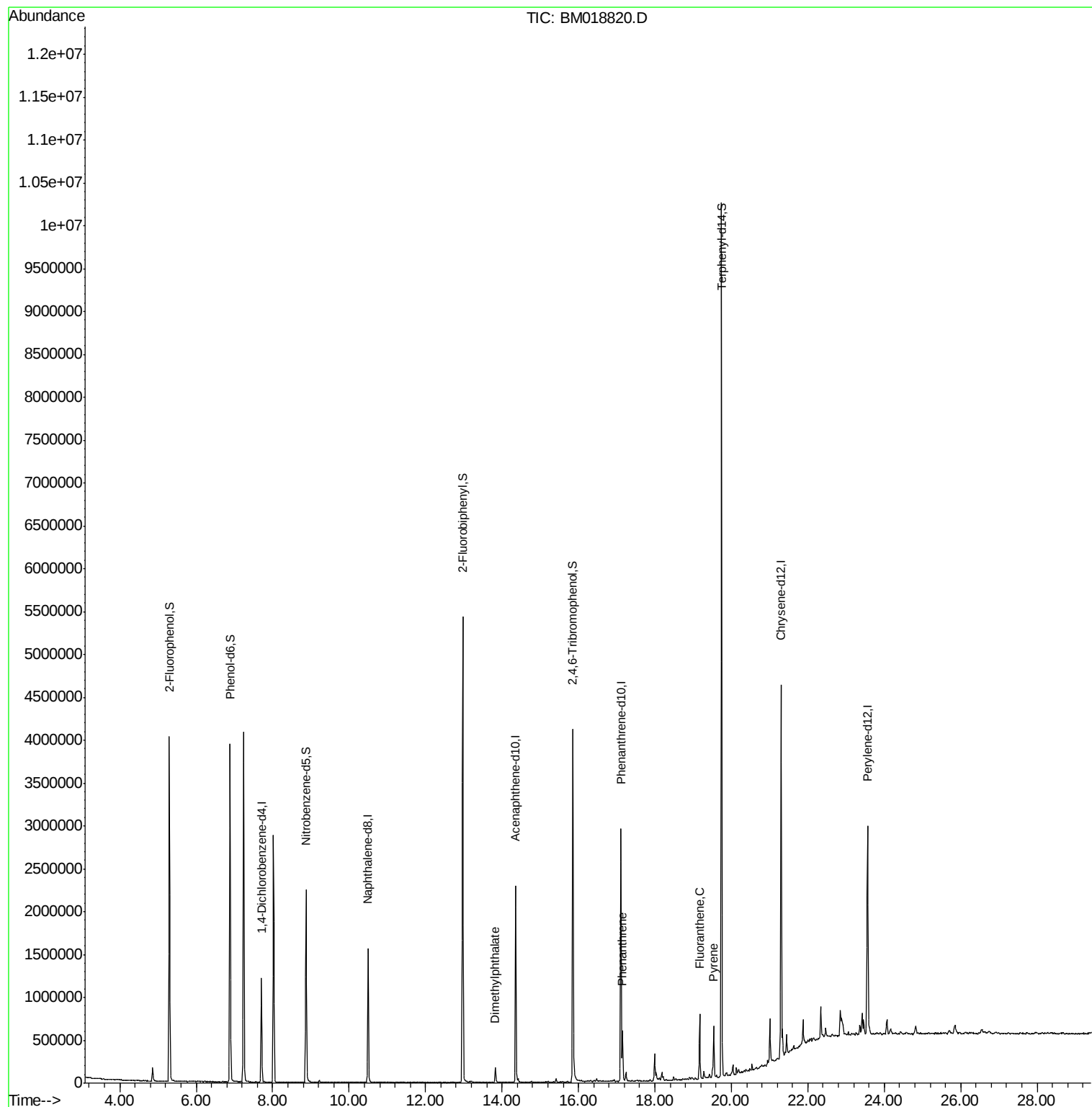
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.71  | 152  | 314099   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.50 | 136  | 1297321  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.36 | 164  | 731804   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.11 | 188  | 1693414  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.30 | 240  | 1768049  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 23.56 | 264  | 1652521  | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 1609416  | 83.95 | ng    | 0.00     |
| 7) Phenol-d6                | 6.88  | 99   | 2234874  | 82.75 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.87  | 82   | 1431449  | 51.02 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.86 | 330  | 774196   | 73.39 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.97 | 172  | 2723854  | 49.41 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.74 | 244  | 4283493  | 49.98 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 13.82 | 163  | 126232   | 2.070 | ng    | 97       |
| 71) Phenanthrene            | 17.15 | 178  | 309240   | 3.398 | ng    | 99       |
| 75) Fluoranthene            | 19.17 | 202  | 419391   | 3.989 | ng    | 99       |
| 78) Pyrene                  | 19.54 | 202  | 345070   | 3.360 | ng    | 100      |

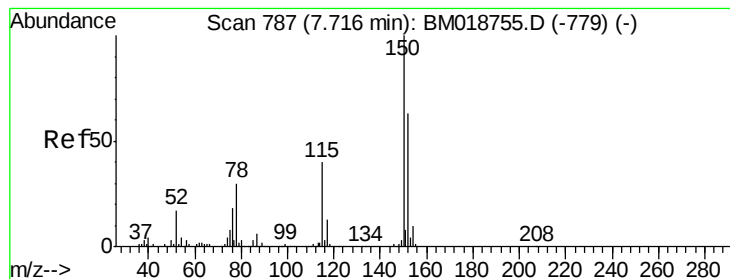
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
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M-3-D

Quant Time: Feb 18 12:12:37 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 16:02:12 2019  
Response via : Initial Calibration



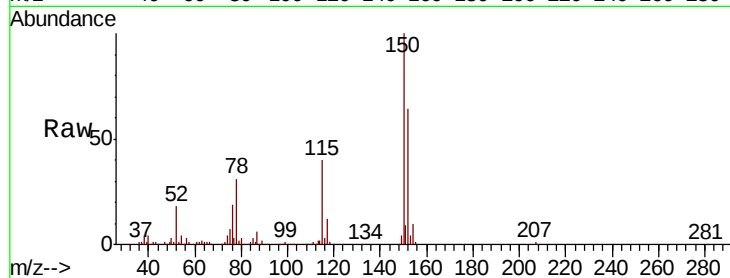


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.71 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

Instrument :  
BNA\_M  
ClientSampleId :  
M-3-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 127.3 | 190.9 |
| 115     | 62.0  | 50.8  | 76.2  |

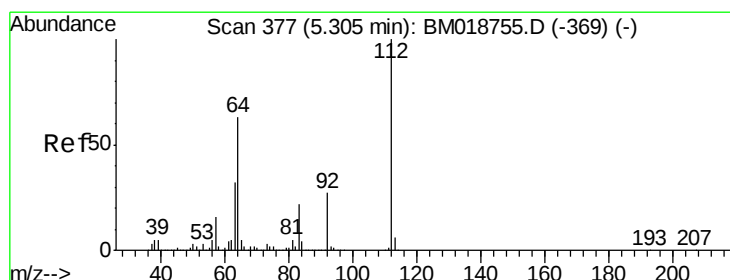
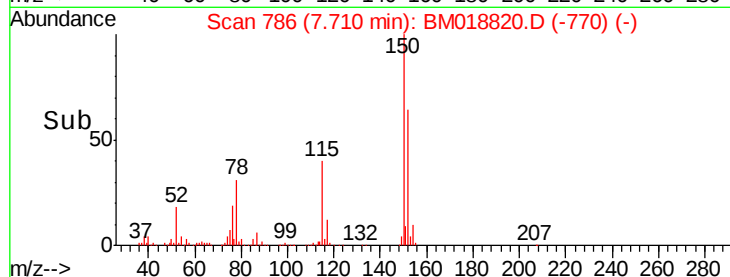
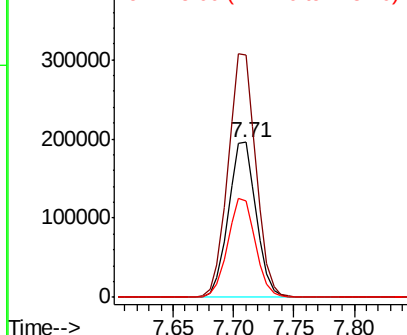


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

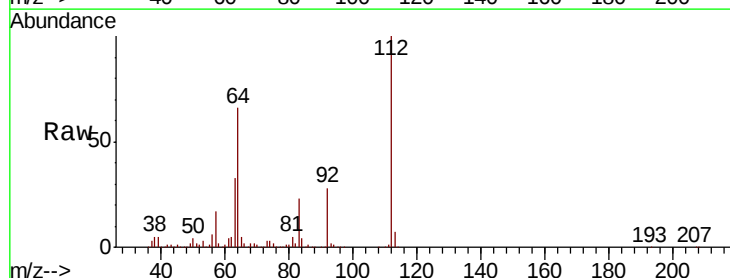
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 83.954 ng  
RT: 5.30 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.7  | 50.6  | 75.8  |
| 63      | 33.5  | 25.7  | 38.5  |

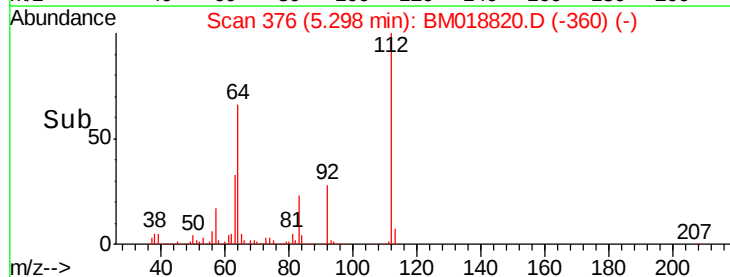
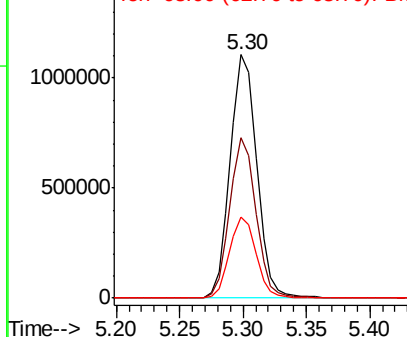


Abundance

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: 82.754 ng

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

Instrument :

BNA\_M

ClientSampleId :

M-3-D

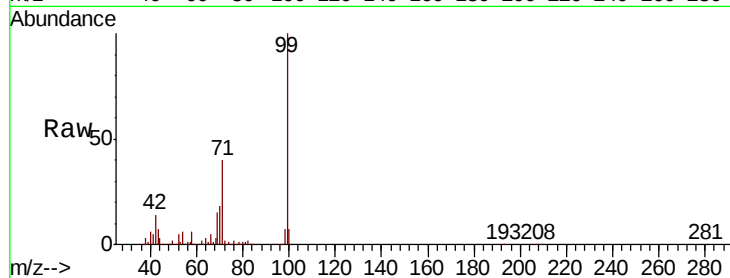
Tot Ion: 99 Resp: 2234874

Ion Ratio Lower Upper

99 100

42 14.4 11.0 16.6

71 39.7 31.3 46.9

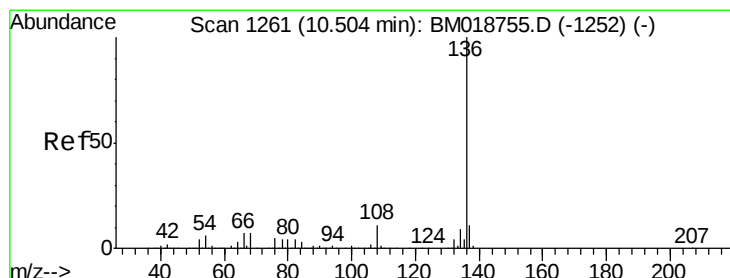
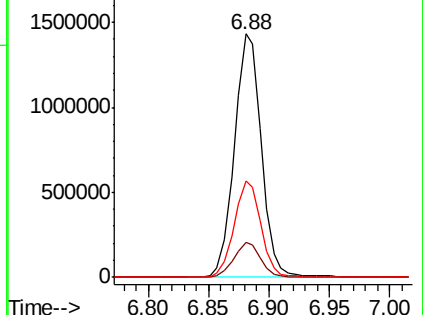
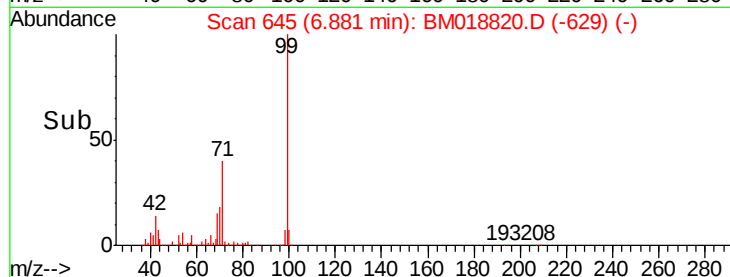


Abundance

Ion 99.00 (98.70 to 99.70): BM018820.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM018820.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM018820.D (-629) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

Tgt Ion: 136 Resp: 1297321

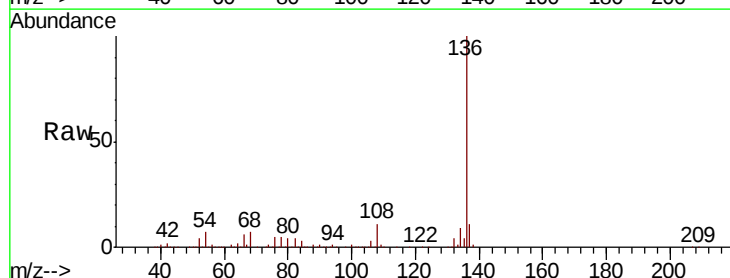
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.7 5.0 7.6

68 7.1 5.5 8.3



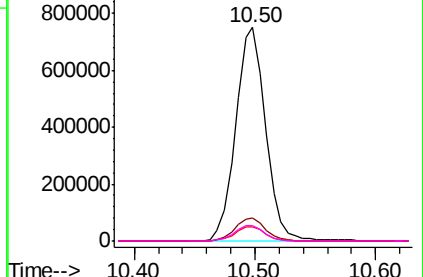
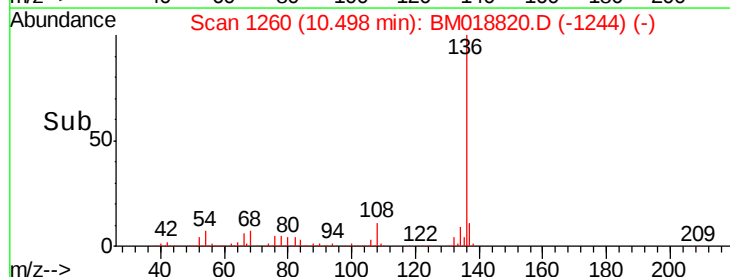
Abundance

Ion 136.00 (135.70 to 136.70): BM018820.D (-1244) (-)

Ion 137.00 (136.70 to 137.70): BM018820.D (-1244) (-)

Ion 54.00 (53.70 to 54.70): BM018820.D (-1244) (-)

Ion 68.00 (67.70 to 68.70): BM018820.D (-1244) (-)

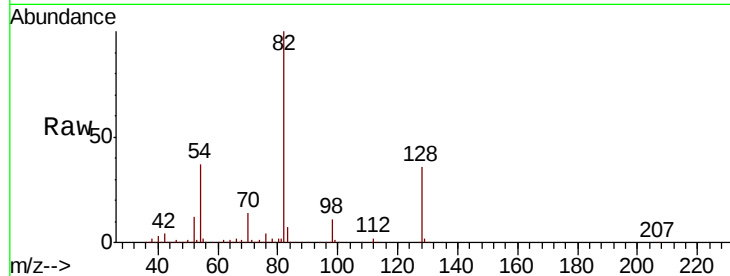




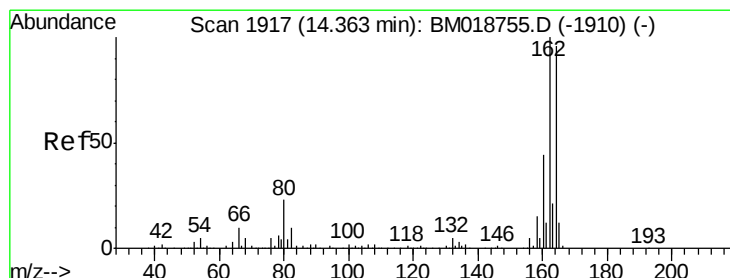
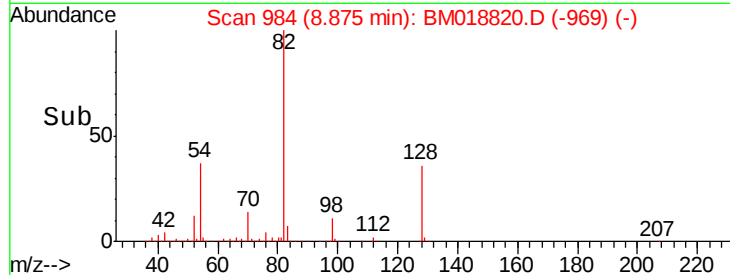
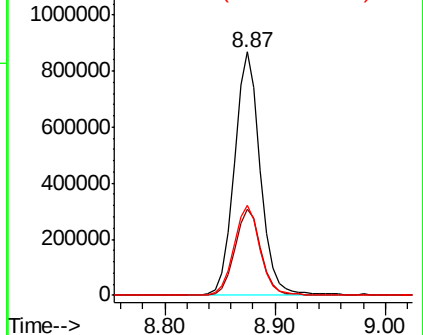
#23  
Nitrobenzene-d5  
Concen: 51.019 ng  
RT: 8.87 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

Instrument :  
BNA\_M  
ClientSampled :  
M-3-D

Tot Ion: 82 Resp: 1431449  
Ion Ratio Lower Upper  
82 100  
128 35.6 29.9 44.9  
54 36.9 29.1 43.7

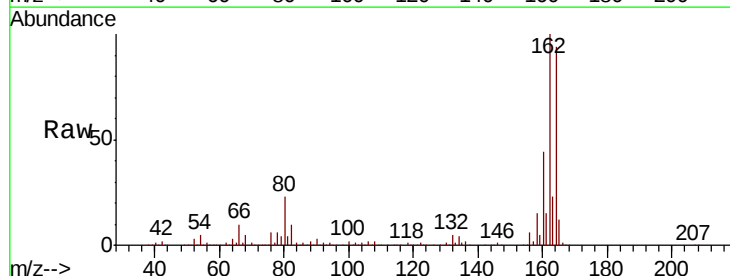


Abundance Ion 82.00 (81.70 to 82.70): BM018820.D (-969) (-)  
Ion 128.00 (127.70 to 128.70): BM018820.D (-969) (-)  
Ion 54.00 (53.70 to 54.70): BM018820.D (-969) (-)

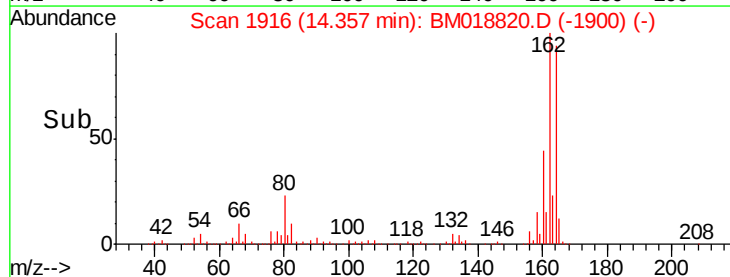
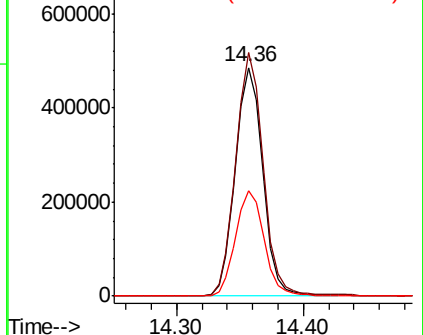


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.36 min Scan# 1916  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

Tgt Ion:164 Resp: 731804  
Ion Ratio Lower Upper  
164 100  
162 106.4 83.4 125.0  
160 46.3 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): BM018820.D (-1900) (-)  
Ion 162.00 (161.70 to 162.70): BM018820.D (-1900) (-)  
Ion 160.00 (159.70 to 160.70): BM018820.D (-1900) (-)





#42

2,4,6-Tribromophenol

Concen: 73.392 ng

RT: 15.86 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

Instrument :

BNA\_M

ClientSampleId :

M-3-D

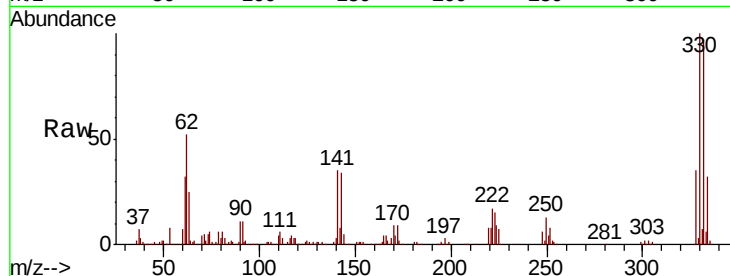
Tot Ion:330 Resp: 774196

Ion Ratio Lower Upper

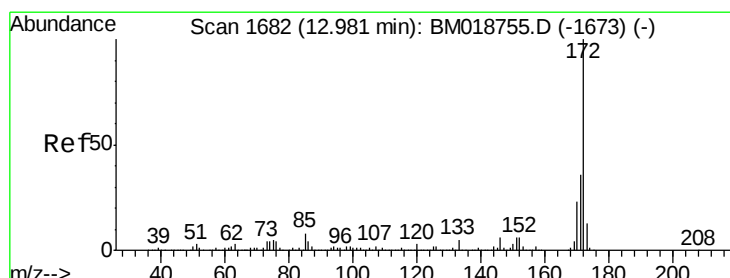
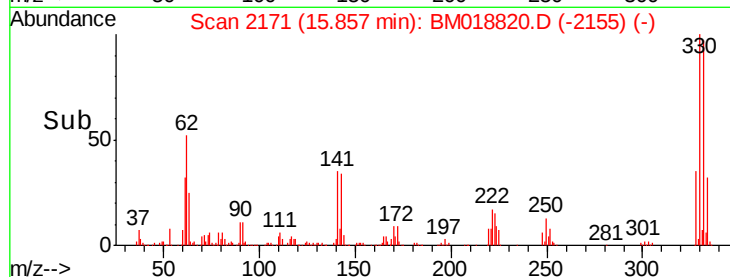
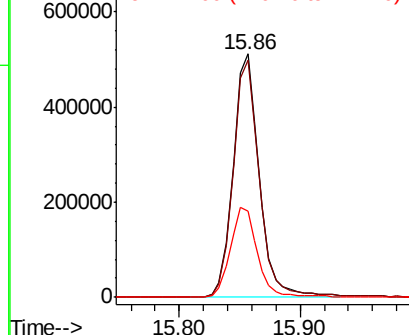
330 100

332 97.4 76.9 115.3

141 38.3 28.7 43.1



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: 49.410 ng

RT: 12.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

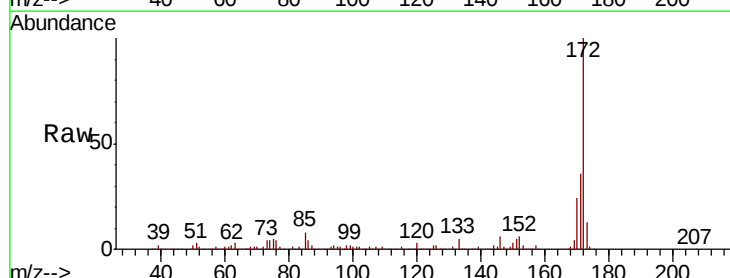
Tgt Ion:172 Resp: 2723854

Ion Ratio Lower Upper

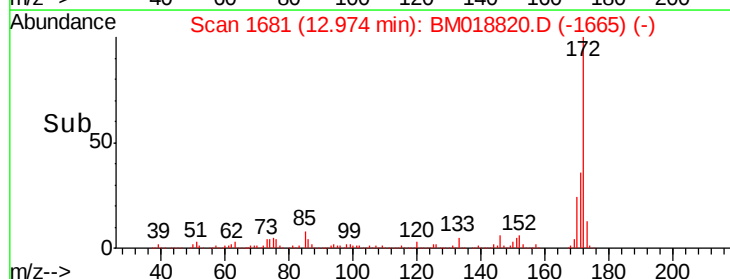
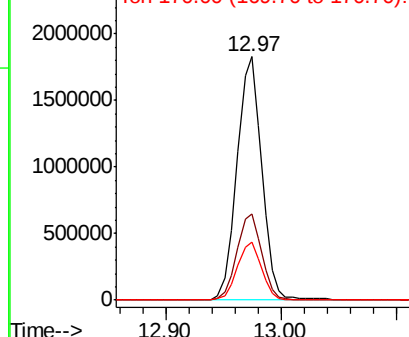
172 100

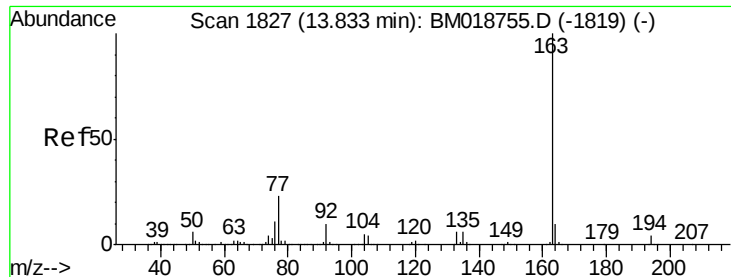
171 35.5 29.0 43.6

170 23.7 18.6 28.0



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: 2.070 ng

RT: 13.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

Instrument :

BNA\_M

ClientSampled :

M-3-D

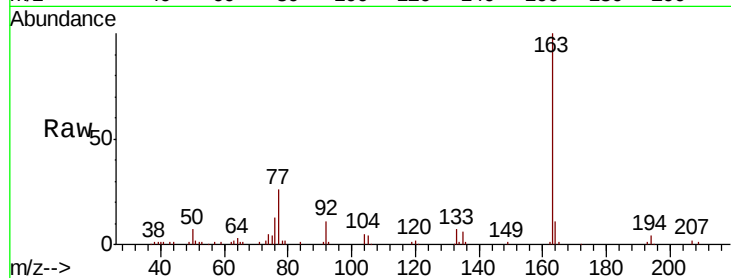
Tot Ion:163 Resp: 126232

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

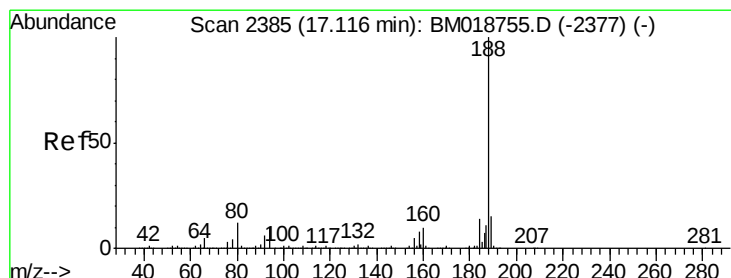
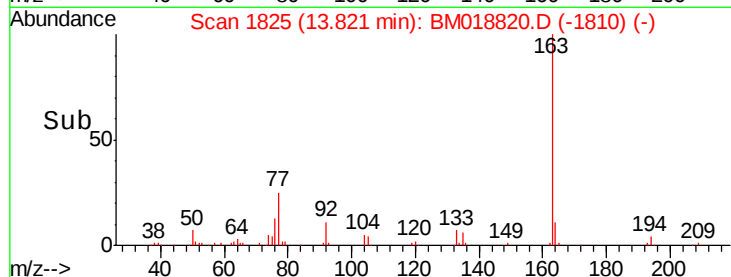
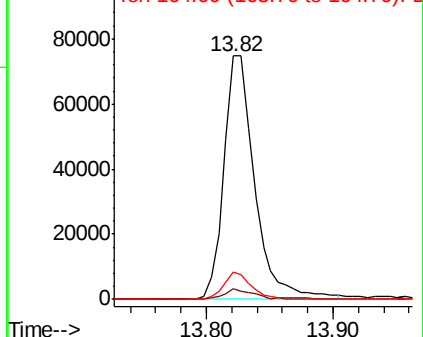
164 11.2 7.8 11.8



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: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

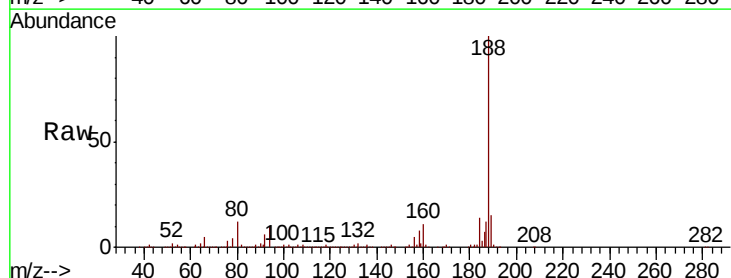
Tgt Ion:188 Resp: 1693414

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

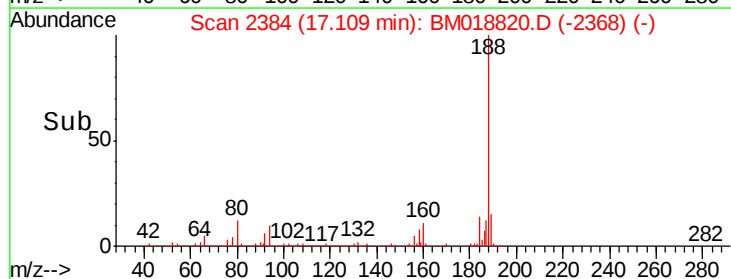
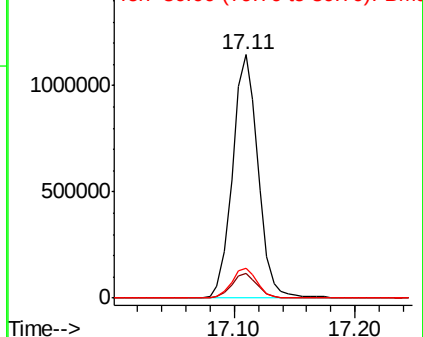
80 12.4 9.7 14.5

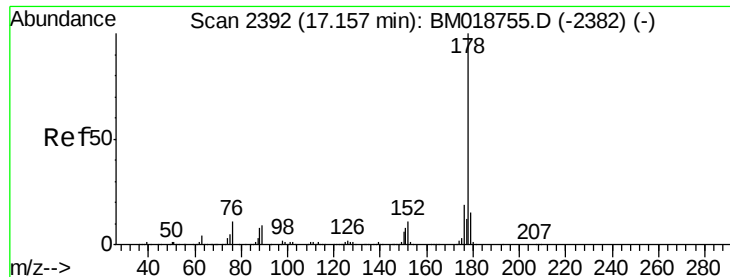


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

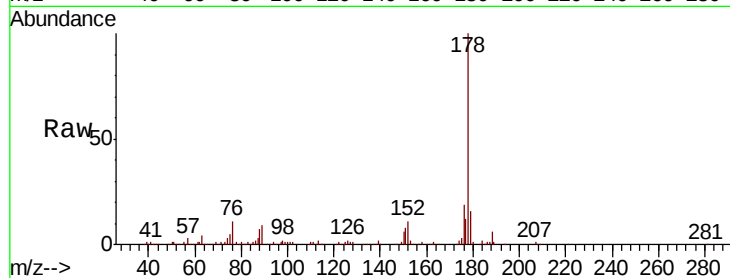




#71  
Phenanthrene  
Concen: 3.398 ng  
RT: 17.15 min Scan# 2391  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

Instrument :  
BNA\_M  
ClientSampleId :  
M-3-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 15.4  | 23.0  |
| 179     | 15.9  | 12.3  | 18.5  |

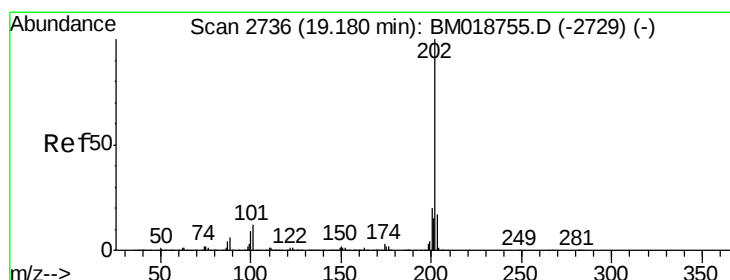
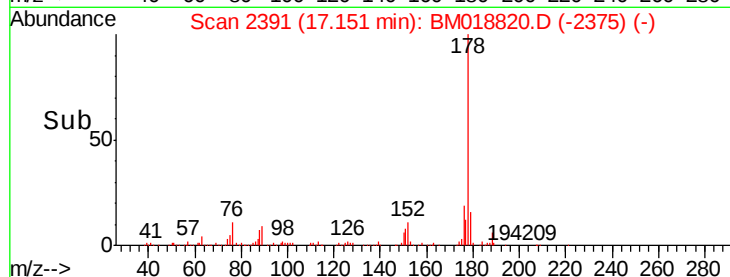
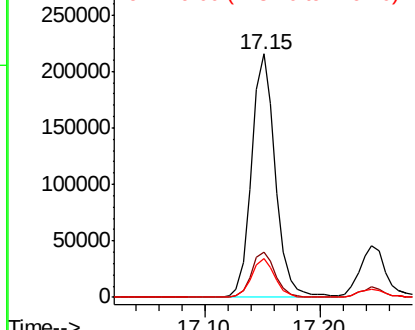


Abundance

Ion 178.00 (177.70 to 178.70): E

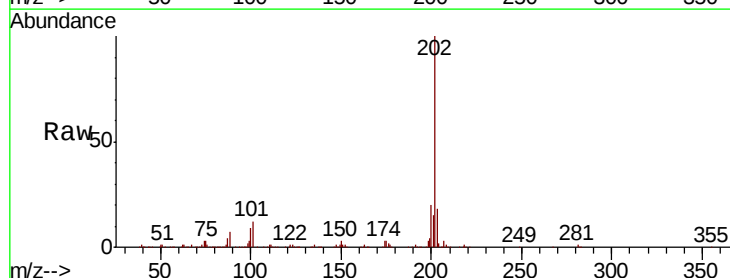
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75  
Fluoranthene  
Concen: 3.989 ng  
RT: 19.17 min Scan# 2735  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.1  | 0.0   | 31.5  |
| 203     | 17.5  | 0.0   | 37.3  |

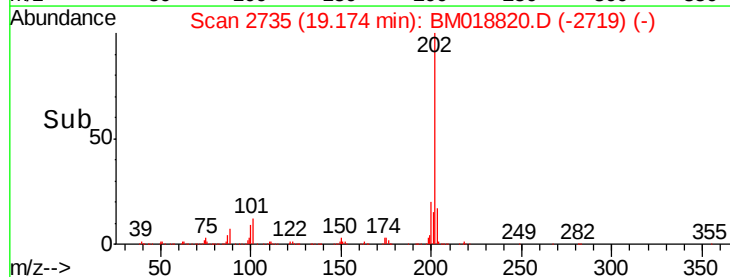
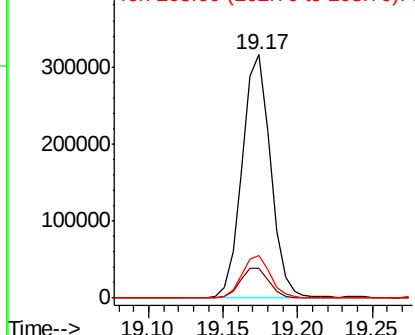


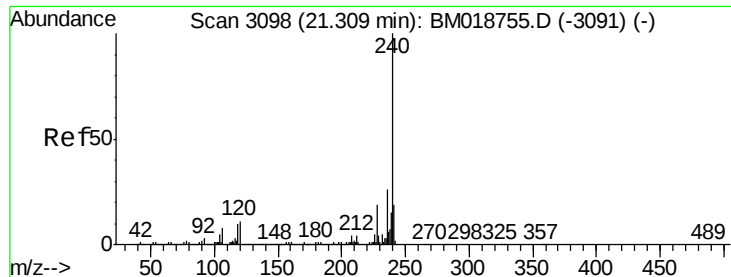
Abundance

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

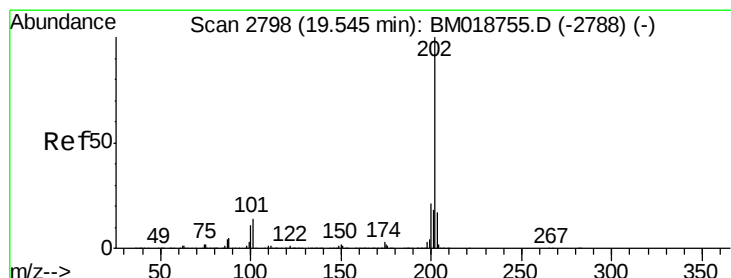
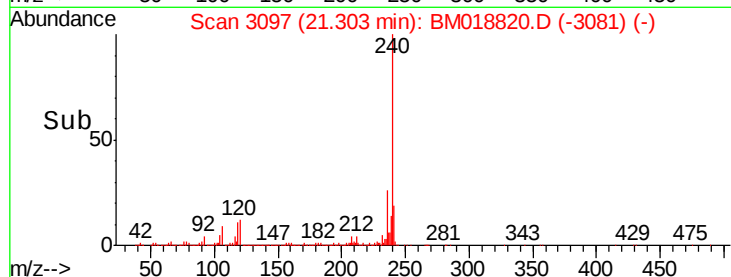
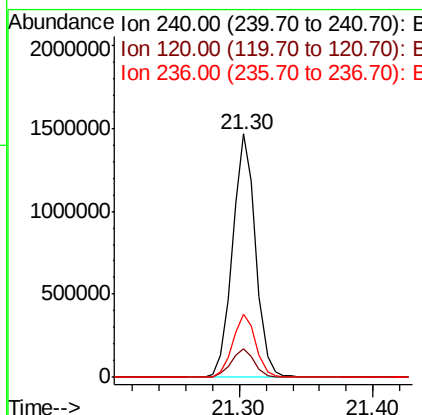
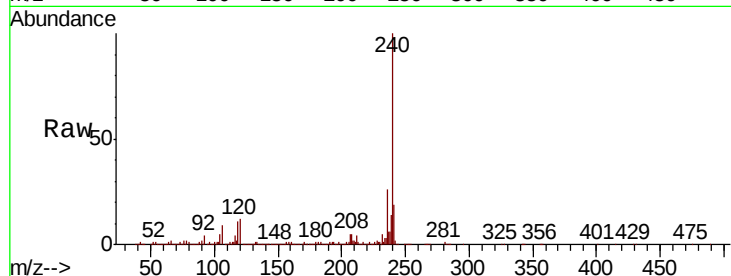




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.30 min Scan# 3097  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

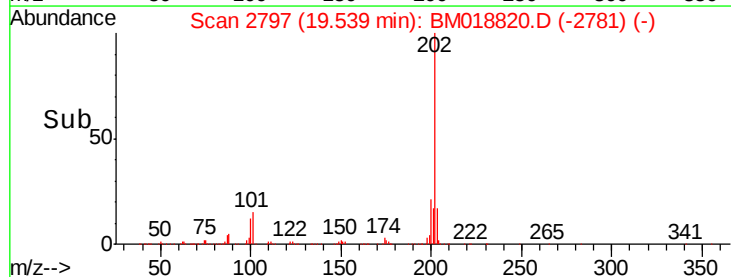
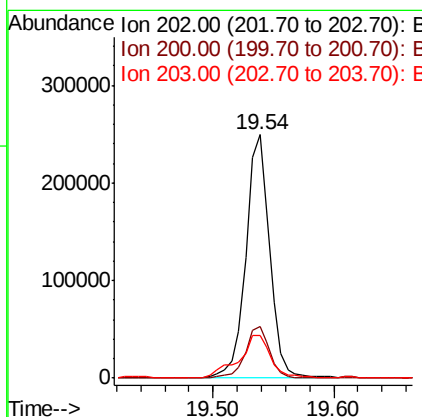
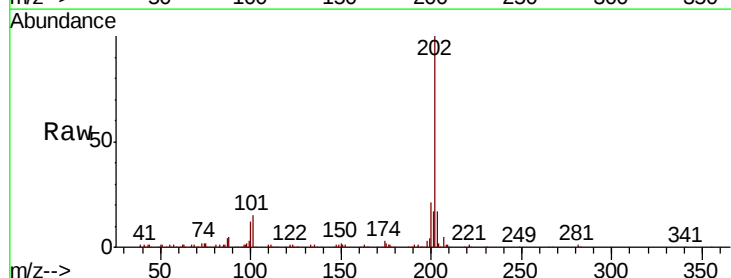
Instrument :  
BNA\_M  
ClientSampleId :  
M-3-D

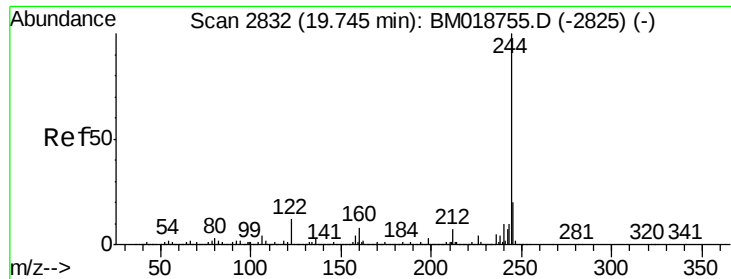
Tot Ion:240 Resp: 1768049  
Ion Ratio Lower Upper  
240 100  
120 11.8 8.9 13.3  
236 26.1 20.9 31.3



#78  
Pyrene  
Concen: 3.360 ng  
RT: 19.54 min Scan# 2797  
Delta R.T. -0.01 min  
Lab File: BM018820.D  
Acq: 15 Feb 2019 17:06

Tgt Ion:202 Resp: 345070  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.9 25.3  
203 17.4 13.8 20.8





#79

Terphenyl-d14

Concen: 49.978 ng

RT: 19.74 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

Instrument :

BNA\_M

ClientSampleId :

M-3-D

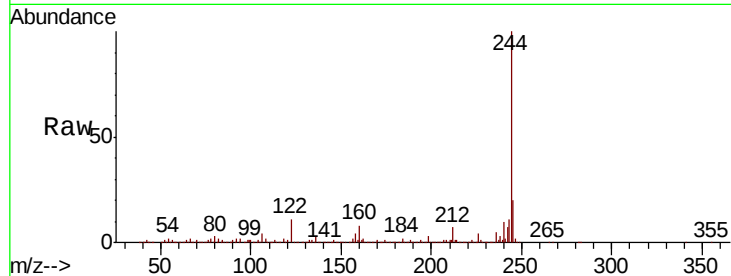
Tot Ion:244 Resp: 4283493

Ion Ratio Lower Upper

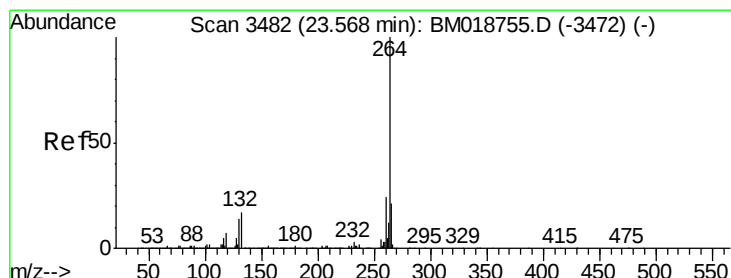
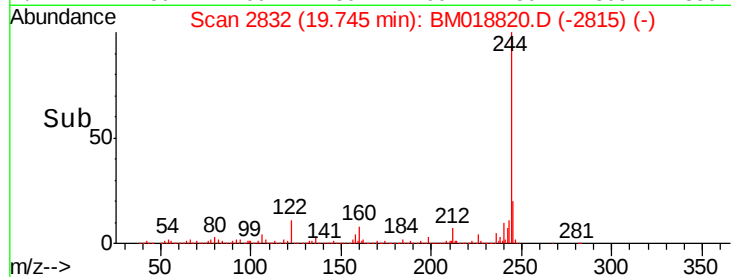
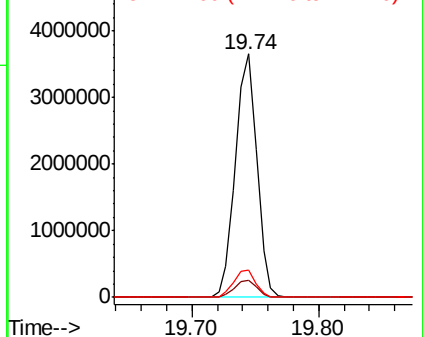
244 100

212 6.9 5.6 8.4

122 11.0 9.3 13.9



Abundance Ion 244.00 (243.70 to 244.70): E  
5000000  
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: 23.56 min Scan# 3481

Delta R.T. -0.01 min

Lab File: BM018820.D

Acq: 15 Feb 2019 17:06

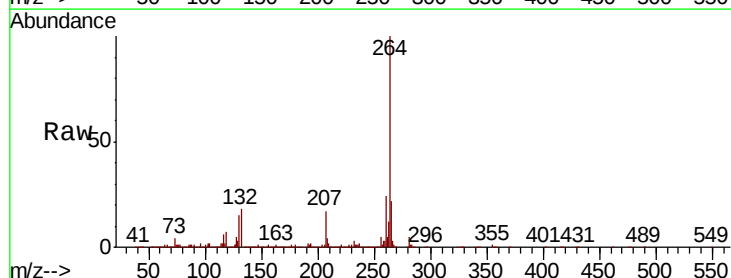
Tgt Ion:264 Resp: 1652521

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 22.1 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E  
1200000  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

