

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102918\  
 Data File : BM017418.D  
 Acq On : 29 Oct 2018 21:52  
 Operator : MJ/SJ  
 Sample : J5706-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 30 02:54:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 29 15:08:36 2018  
 Response via : Initial Calibration

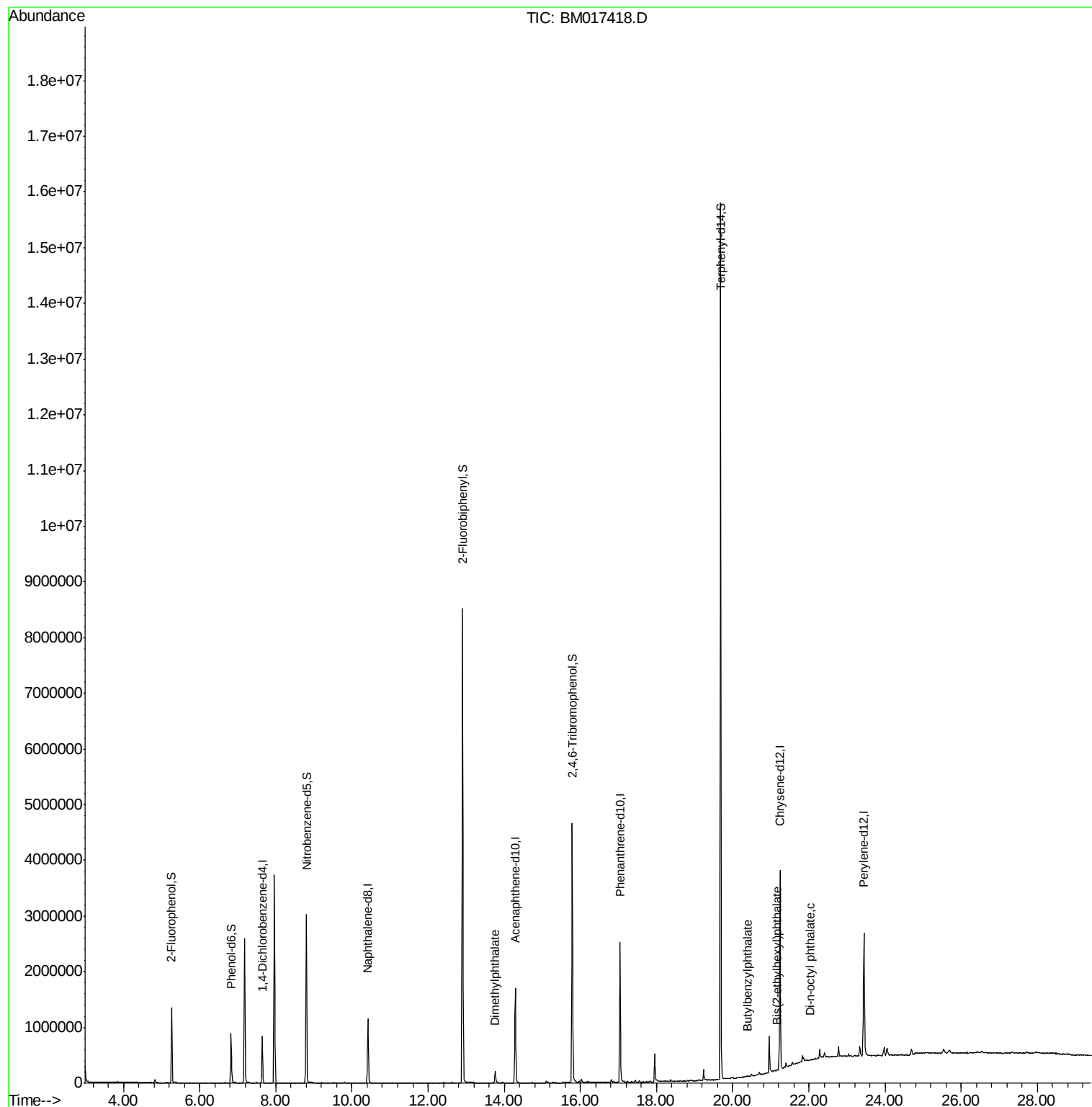
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.65  | 152  | 224651   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.42 | 136  | 995247   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.29 | 164  | 621728   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.04 | 188  | 1528347  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.24 | 240  | 1728857  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 23.44 | 264  | 1639249  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.26  | 112  | 571788   | 43.05  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.83  | 99   | 491221   | 27.15  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.80  | 82   | 1771459  | 104.10 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.79 | 330  | 903235   | 107.43 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.90 | 172  | 4538818  | 97.13  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.69 | 244  | 7365535  | 96.03  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 50) Dimethylphthalate          | 13.76 | 163  | 177232   | 3.695  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 384      | 7.185  | ng    | # 71     |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 6155     | 5.405  | ng    | # 91     |
| 85) Di-n-octyl phthalate       | 22.03 | 149  | 1034     | 5.581  | ng    | # 69     |

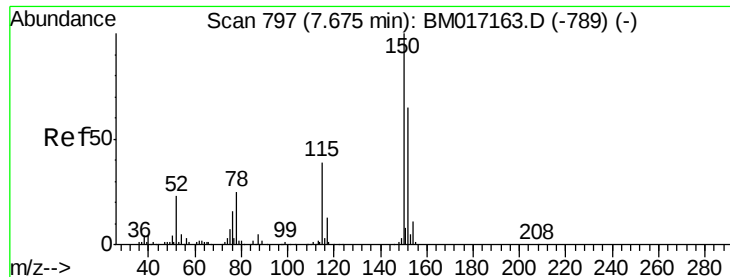
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5706-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Oct 30 02:54:10 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 29 15:08:36 2018  
Response via : Initial Calibration



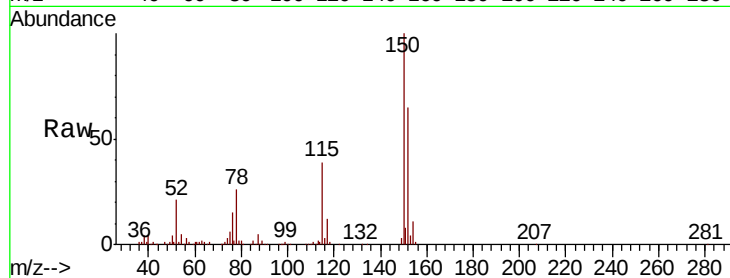


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 792  
Delta R.T. -0.00 min  
Lab File: BM017418.D  
Acq: 29 Oct 2018 21:52

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.0 | 124.3 | 186.5 |
| 115     | 59.9  | 48.1  | 72.1  |

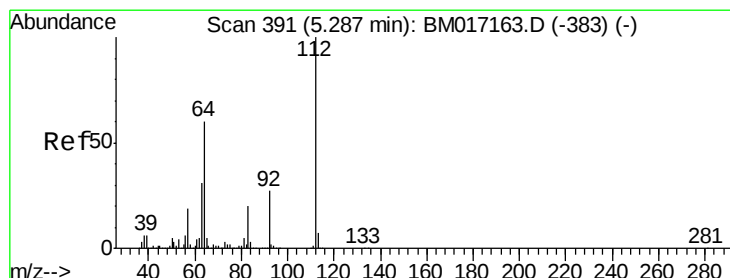
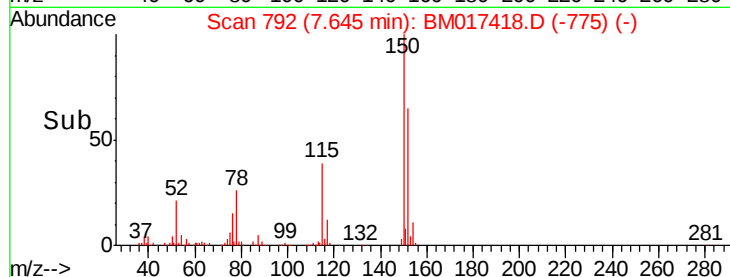
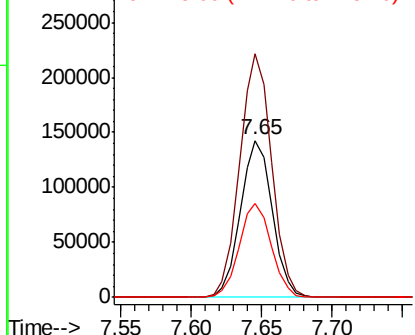


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

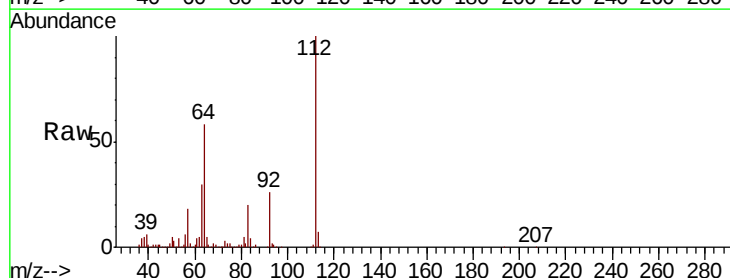
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 43.048 ng  
RT: 5.26 min Scan# 387  
Delta R.T. -0.00 min  
Lab File: BM017418.D  
Acq: 29 Oct 2018 21:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.8  | 41.7  | 62.5  |
| 63      | 29.8  | 23.0  | 34.4  |

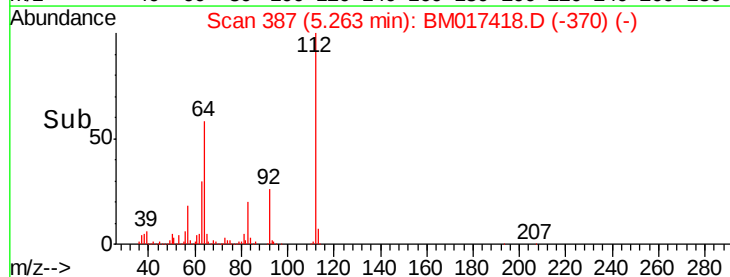
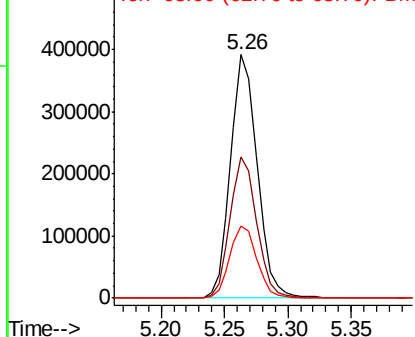


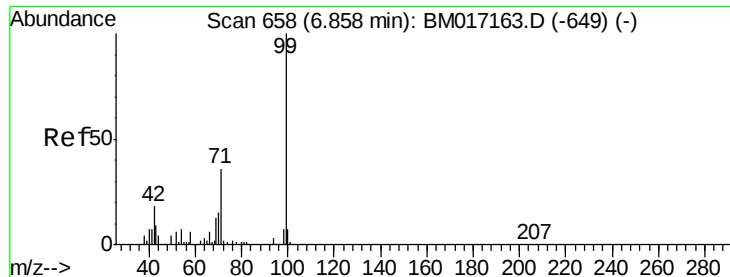
Abundance

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: 27.154 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

Instrument :

BNA\_M

ClientSampleId :

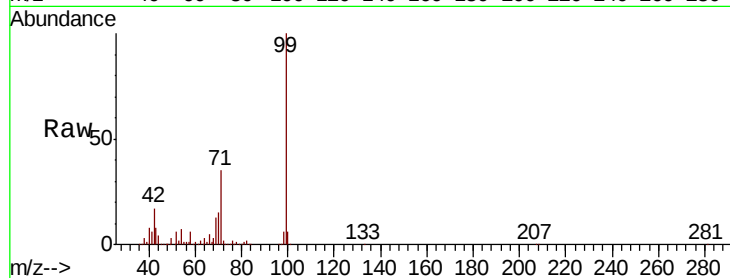
Tot Ion: 99 Resp: 491221

Ion Ratio Lower Upper

99 100

42 17.3 13.3 19.9

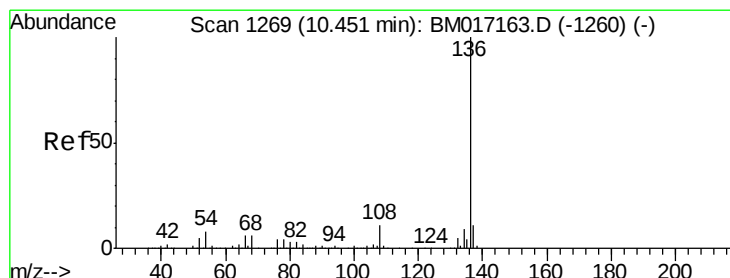
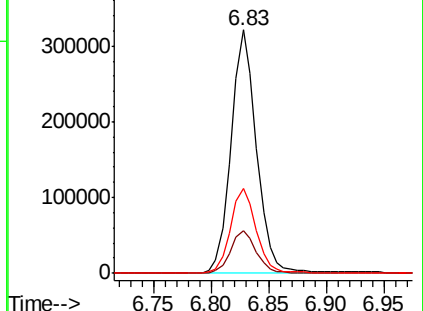
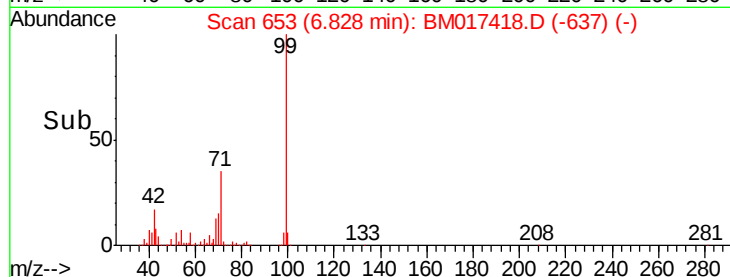
71 34.8 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017418.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM017418.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM017418.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

Tgt Ion: 136 Resp: 995247

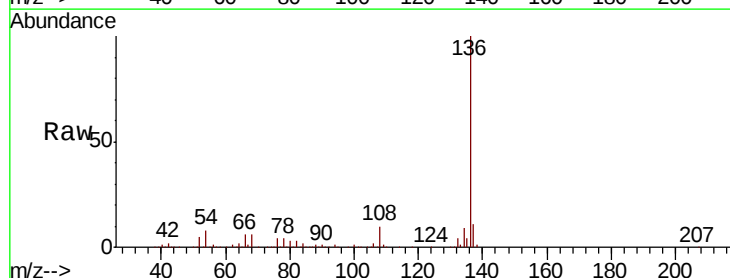
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 7.7 6.7 10.1

68 6.0 4.7 7.1

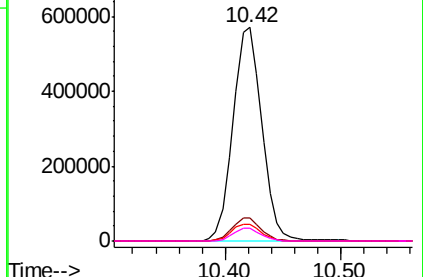
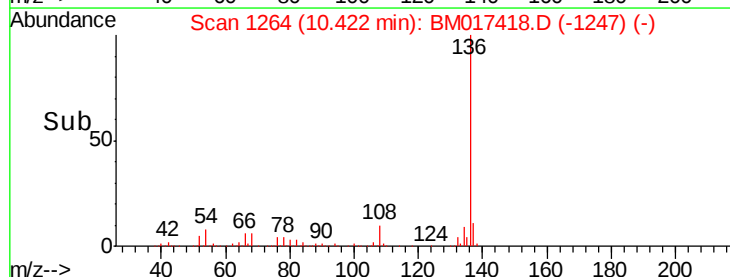


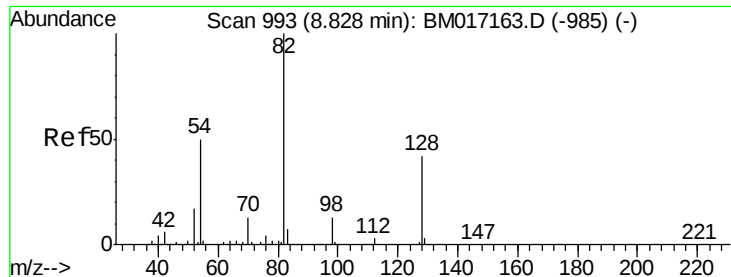
Abundance Ion 136.00 (135.70 to 136.70): BM017418.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM017418.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM017418.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM017418.D (-1247) (-)



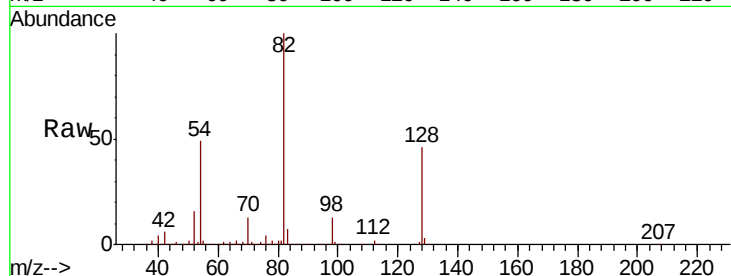


#23  
 Nitrobenzene-d5  
 Concen: 104.100 ng  
 RT: 8.80 min Scan# 989  
 Delta R.T. -0.00 min  
 Lab File: BM017418.D  
 Acq: 29 Oct 2018 21:52

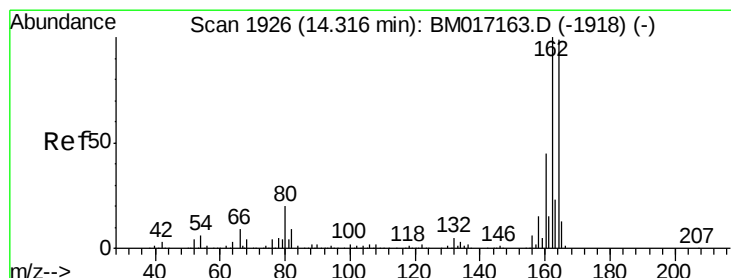
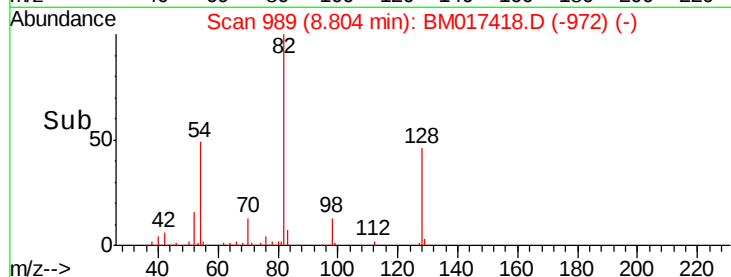
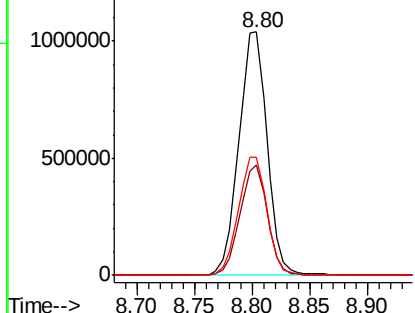
Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion: 82 Resp: 1771459  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.6  | 37.0  | 55.6  |
| 54  | 48.5  | 40.7  | 61.1  |



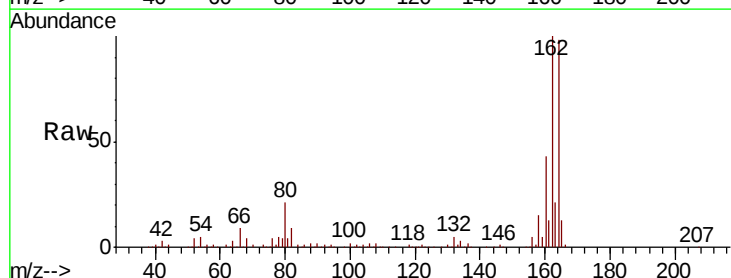
Abundance Ion 82.00 (81.70 to 82.70): BM017163.D (-985) (-)  
 Ion 128.00 (127.70 to 128.70): BM017163.D (-985) (-)  
 Ion 54.00 (53.70 to 54.70): BM017163.D (-985) (-)



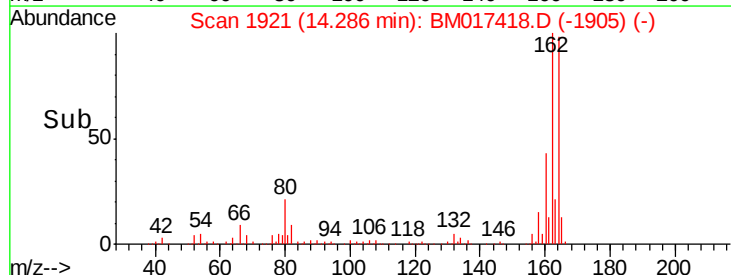
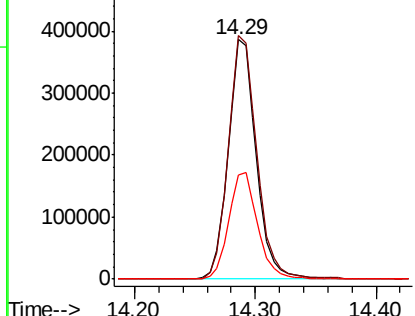
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.29 min Scan# 1921  
 Delta R.T. -0.01 min  
 Lab File: BM017418.D  
 Acq: 29 Oct 2018 21:52

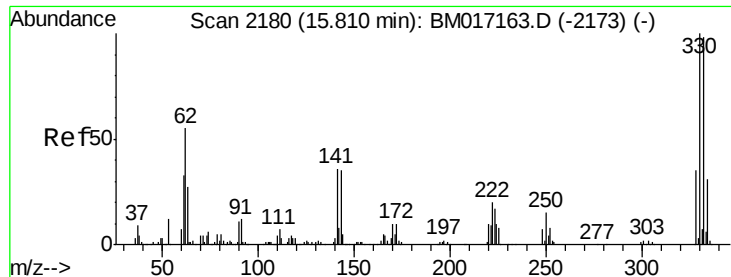
Tgt Ion:164 Resp: 621728  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.7 | 82.1  | 123.1 |
| 160 | 43.2  | 40.2  | 60.2  |



Abundance Ion 164.00 (163.70 to 164.70): BM017163.D (-1918) (-)  
 Ion 162.00 (161.70 to 162.70): BM017163.D (-1918) (-)  
 Ion 160.00 (159.70 to 160.70): BM017163.D (-1918) (-)





#42

2,4,6-Tribromophenol

Concen: 107.426 ng

RT: 15.79 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

Instrument :

BNA\_M

ClientSampleId :

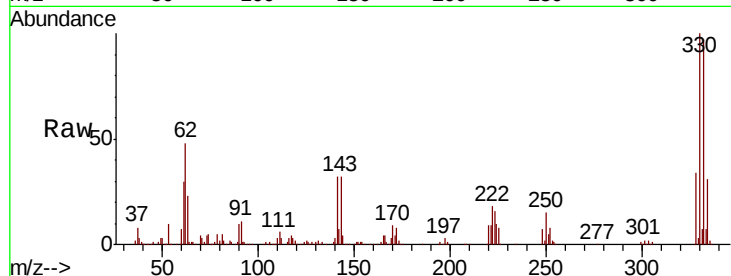
Tot Ion:330 Resp: 903235

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

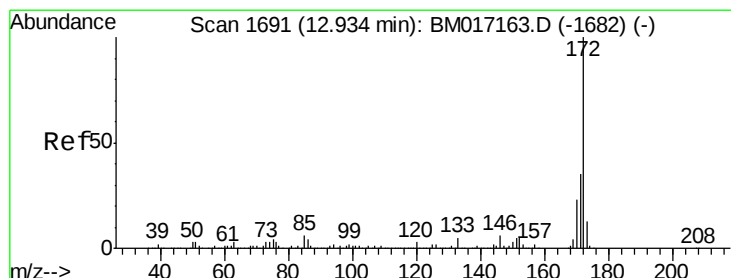
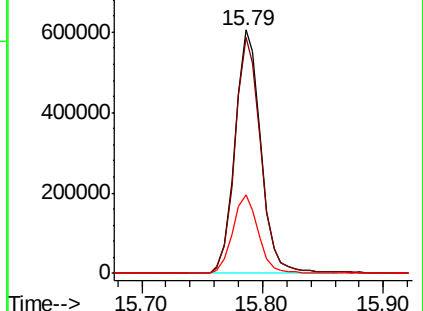
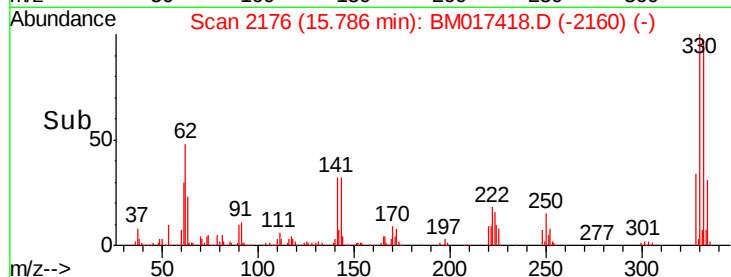
141 32.4 27.4 41.0



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: 97.134 ng

RT: 12.90 min Scan# 1686

Delta R.T. -0.00 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

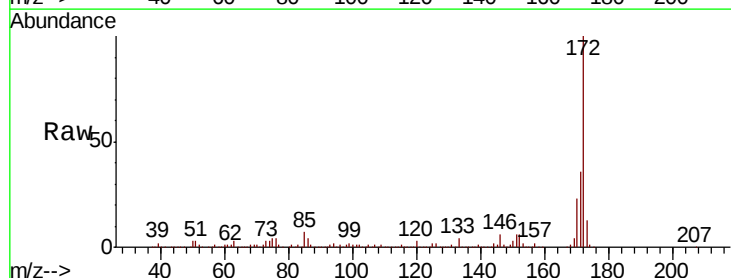
Tgt Ion:172 Resp: 4538818

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

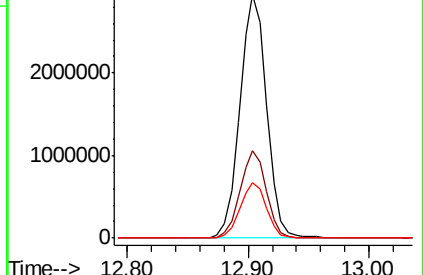
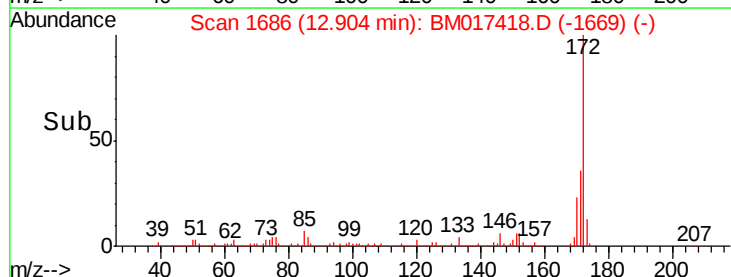
170 22.8 18.3 27.5

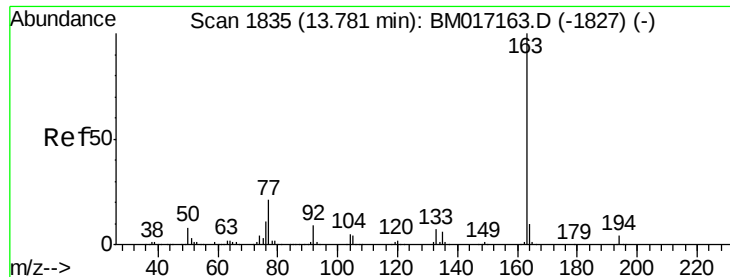


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.695 ng

RT: 13.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

Instrument :

BNA\_M

ClientSampleId :

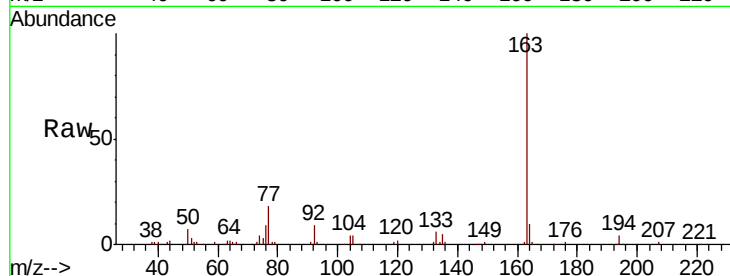
Tot Ion:163 Resp: 177232

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

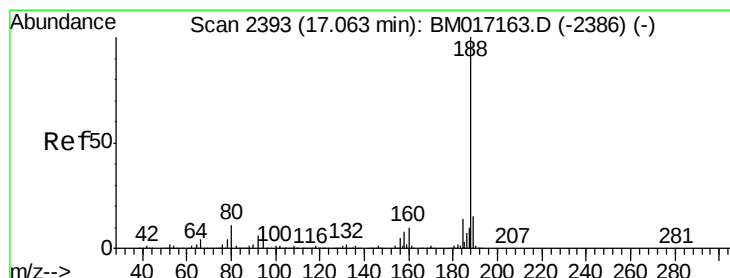
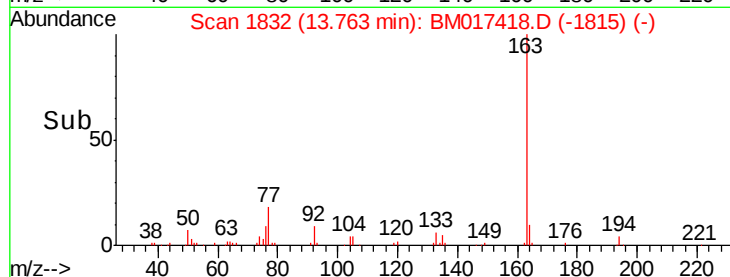
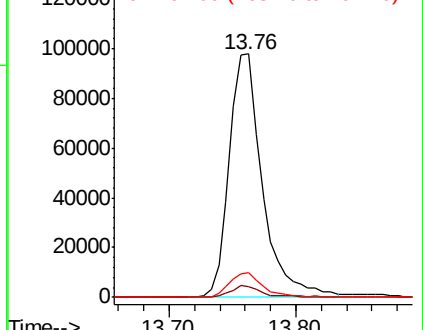
164 10.2 7.8 11.8



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: 17.04 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

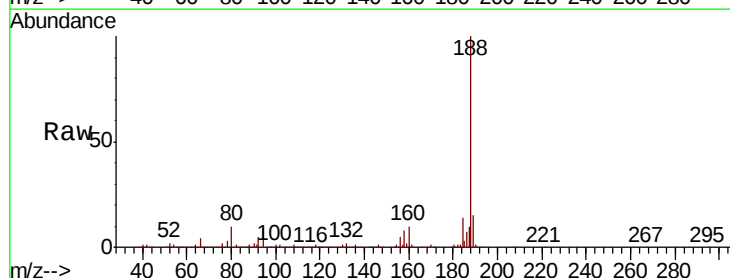
Tgt Ion:188 Resp: 1528347

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

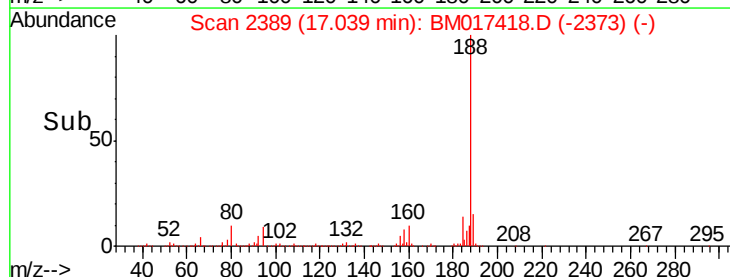
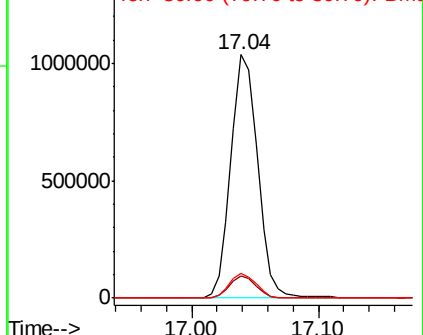
80 10.0 7.7 11.5

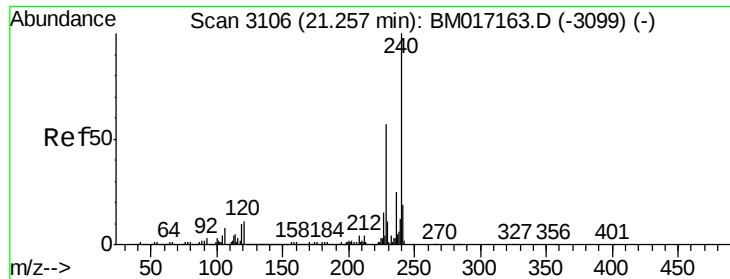


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



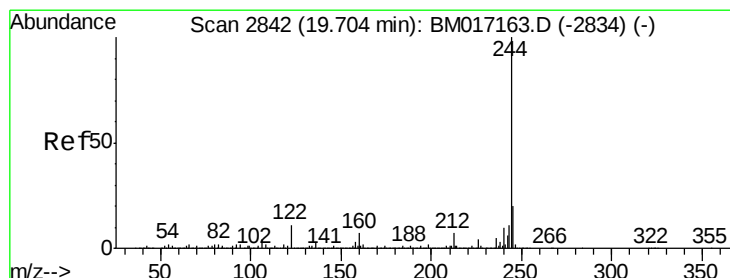
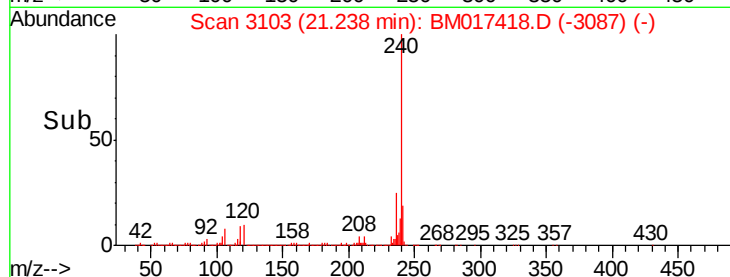
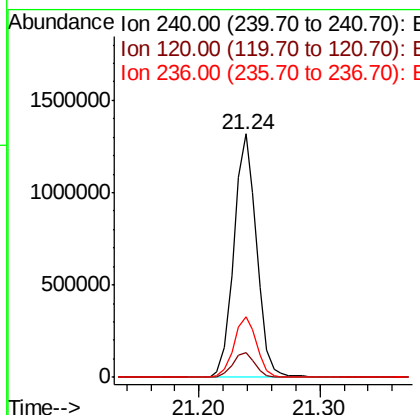
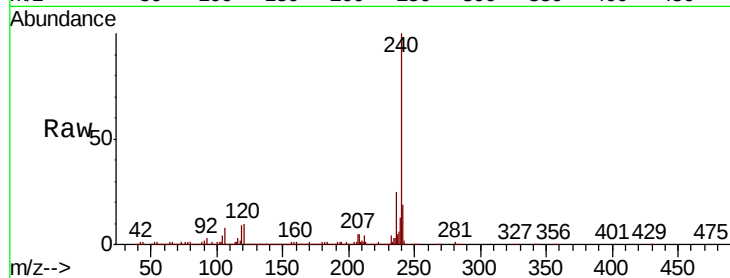


#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.24 min Scan# 3103  
 Delta R.T. -0.01 min  
 Lab File: BM017418.D  
 Acq: 29 Oct 2018 21:52

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:240 Resp: 1728857  

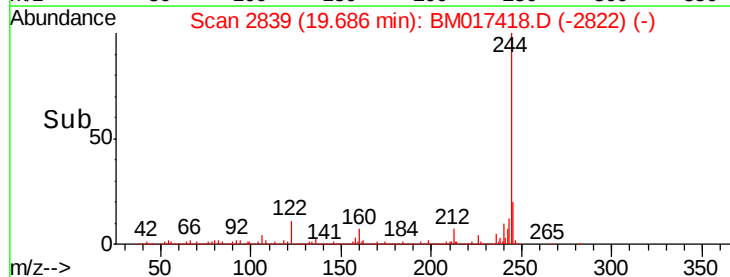
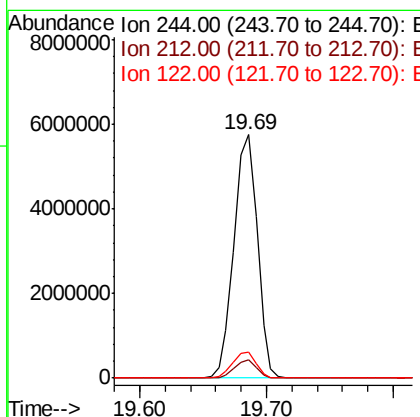
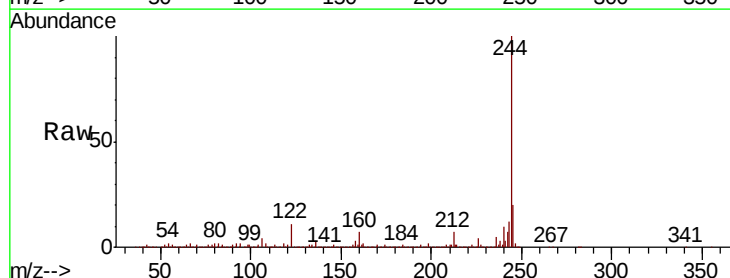
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.3  | 8.1   | 12.1  |
| 236 | 25.1  | 19.9  | 29.9  |

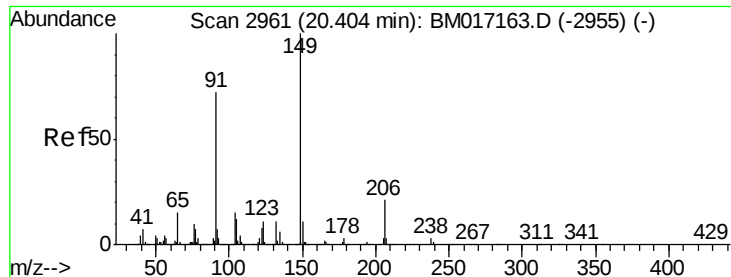


#79  
 Terphenyl-d14  
 Concen: 96.028 ng  
 RT: 19.69 min Scan# 2839  
 Delta R.T. -0.00 min  
 Lab File: BM017418.D  
 Acq: 29 Oct 2018 21:52

Tgt Ion:244 Resp: 7365535  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 5.5   | 8.3   |
| 122 | 10.5  | 8.4   | 12.6  |

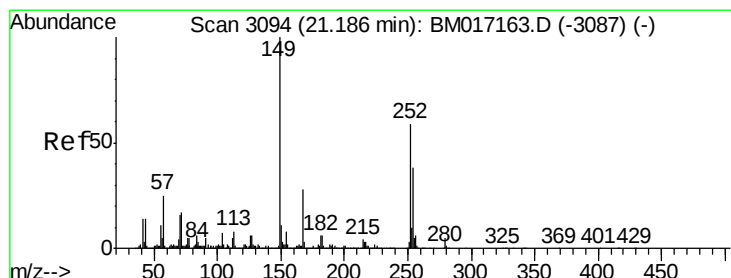
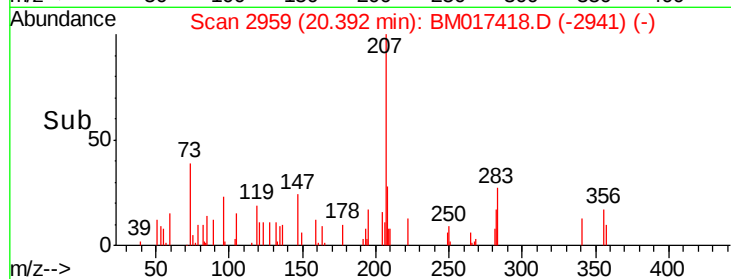
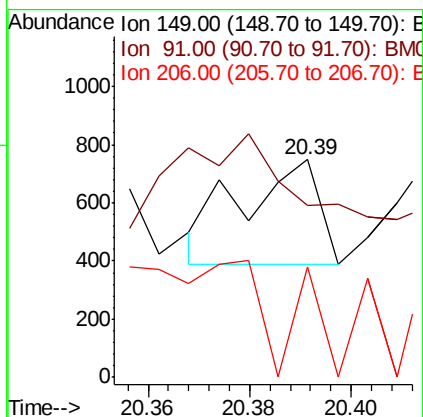
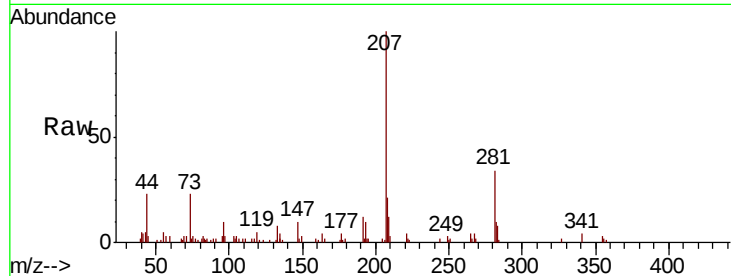




#80  
 Butylbenzylphthalate  
 Concen: 7.185 ng  
 RT: 20.39 min Scan# 2959  
 Delta R.T. 0.01 min  
 Lab File: BM017418.D  
 Acq: 29 Oct 2018 21:52

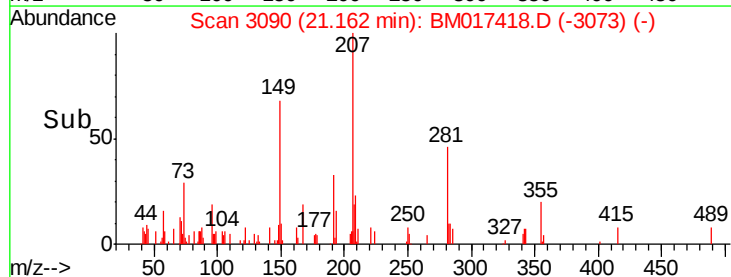
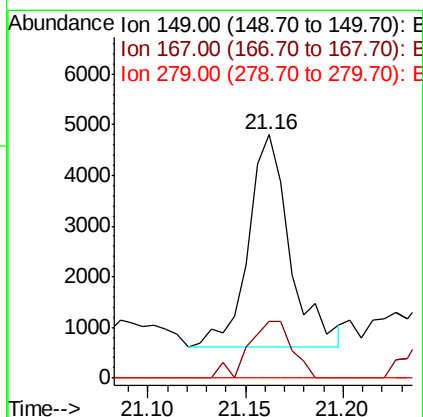
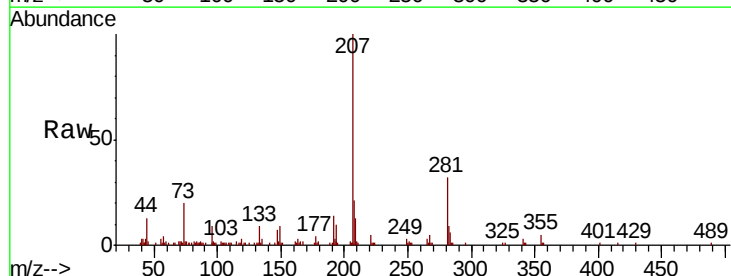
Instrument :  
 BNA\_M  
 ClientSampleId :

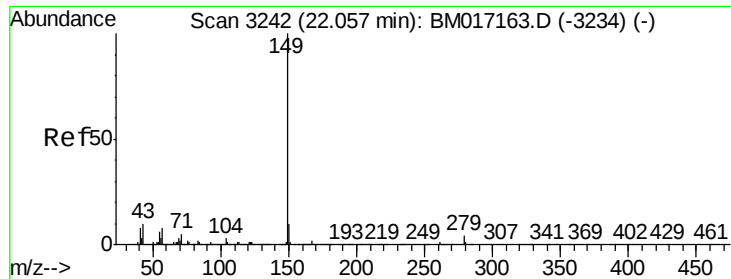
Tot Ion:149 Resp: 384  
 Ion Ratio Lower Upper  
 149 100  
 91 79.3 51.3 76.9#  
 206 50.5 18.0 27.0#



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.405 ng  
 RT: 21.16 min Scan# 3090  
 Delta R.T. -0.00 min  
 Lab File: BM017418.D  
 Acq: 29 Oct 2018 21:52

Tgt Ion:149 Resp: 6155  
 Ion Ratio Lower Upper  
 149 100  
 167 23.5 22.2 33.4  
 279 0.0 3.6 5.4#





#85

Di-n-octyl phthalate

Concen: 5.581 ng

RT: 22.03 min Scan# 3238

Delta R.T. -0.01 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

Instrument :

BNA\_M

ClientSampleId :

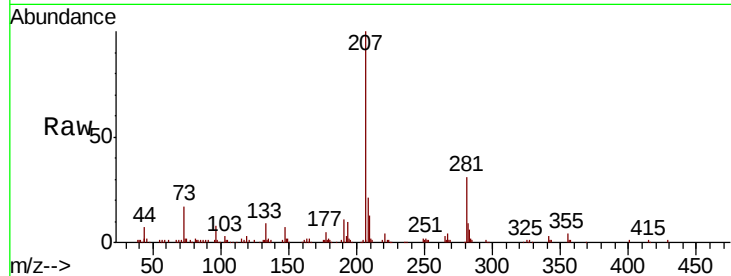
Tot Ion:149 Resp: 1034

Ion Ratio Lower Upper

149 100

167 25.7 1.4 2.0#

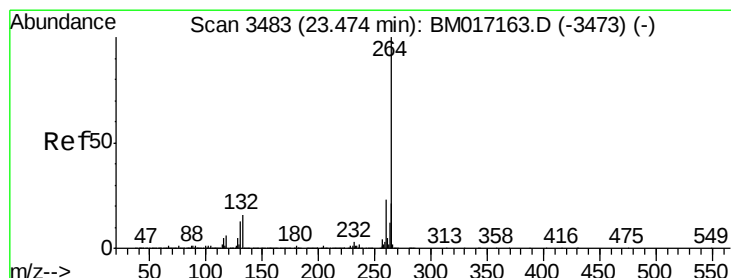
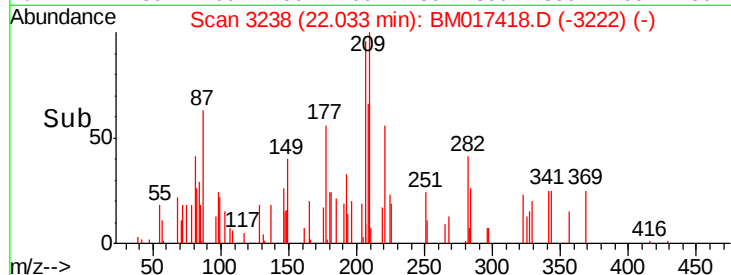
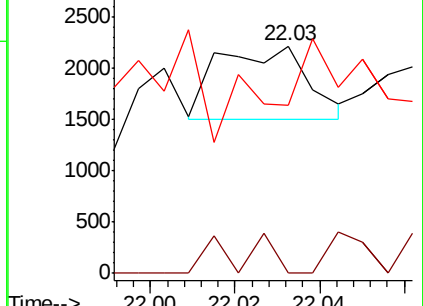
43 0.0 7.2 10.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.44 min Scan# 3478

Delta R.T. -0.01 min

Lab File: BM017418.D

Acq: 29 Oct 2018 21:52

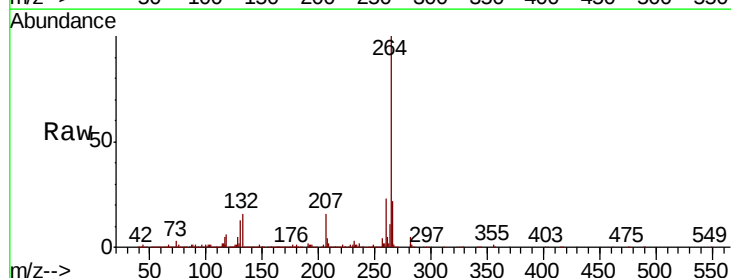
Tgt Ion:264 Resp: 1639249

Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

265 22.3 17.8 26.8



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

