

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102918\  
 Data File : BM017419.D  
 Acq On : 29 Oct 2018 22:28  
 Operator : MJ/SJ  
 Sample : J5706-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 30 02:54:18 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

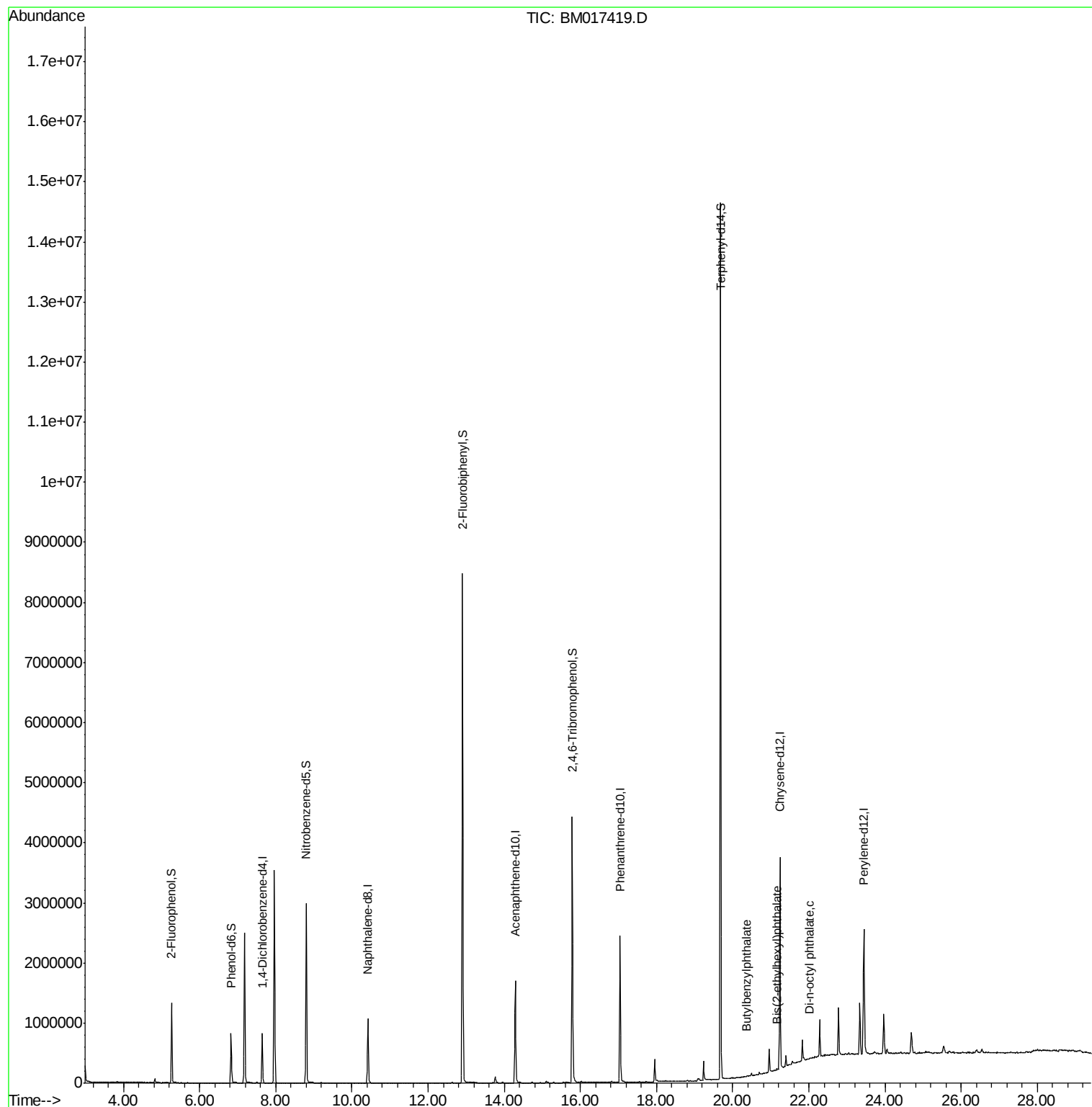
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.65  | 152  | 219259   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.42 | 136  | 945363   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.29 | 164  | 605758   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.04 | 188  | 1531654  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.24 | 240  | 1692961  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 23.44 | 264  | 1590452  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.26  | 112  | 553579   | 42.70  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.83  | 99   | 472712   | 26.77  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.80  | 82   | 1715612  | 106.14 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.79 | 330  | 874438   | 106.74 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.90 | 172  | 4454449  | 97.84  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.69 | 244  | 7114247  | 94.72  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 80) Butylbenzylphthalate       | 20.37 | 149  | 783      | 7.194  | ng    | # 89     |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 5758     | 5.401  | ng    | # 95     |
| 85) Di-n-octyl phthalate       | 22.02 | 149  | 3088     | 5.601  | ng    | # 85     |

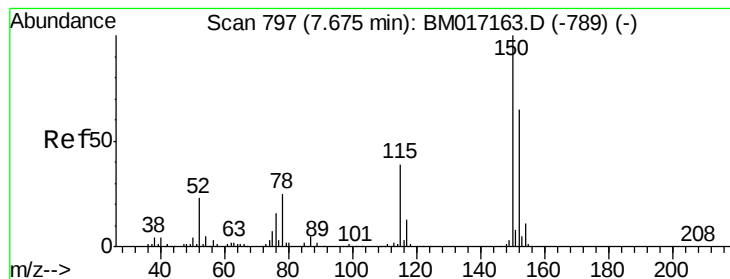
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102918\  
Data File : BM017419.D  
Acq On : 29 Oct 2018 22:28  
Operator : MJ/SJ  
Sample : J5706-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Oct 30 02:54:18 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



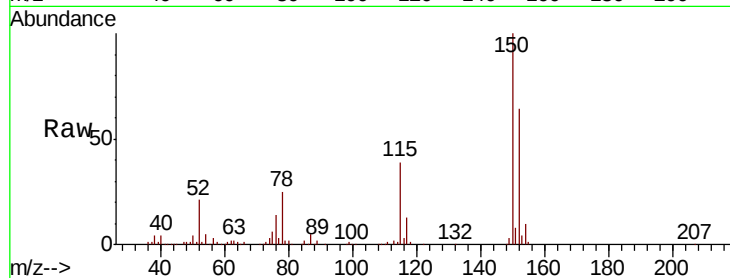


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 792  
Delta R.T. -0.00 min  
Lab File: BM017419.D  
Acq: 29 Oct 2018 22:28

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.1 | 124.3 | 186.5 |
| 115     | 59.9  | 48.1  | 72.1  |

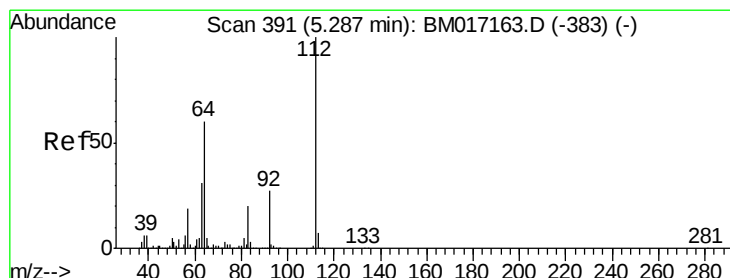
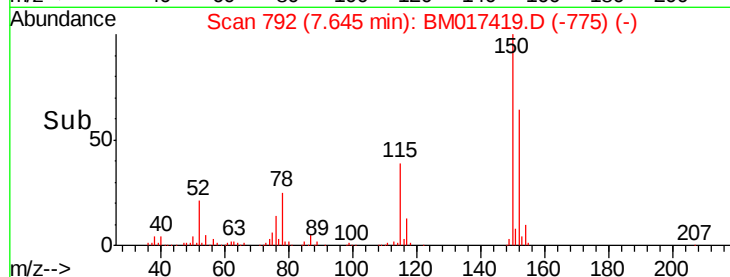
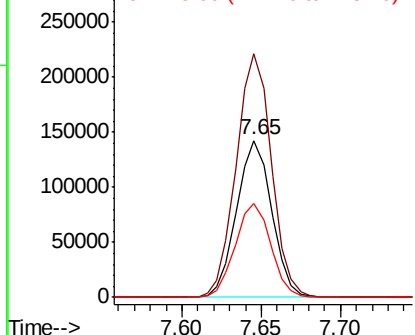


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

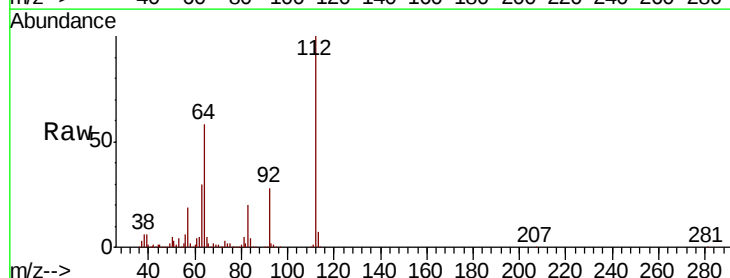
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 42.702 ng  
RT: 5.26 min Scan# 387  
Delta R.T. -0.00 min  
Lab File: BM017419.D  
Acq: 29 Oct 2018 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.3  | 41.7  | 62.5  |
| 63      | 30.2  | 23.0  | 34.4  |

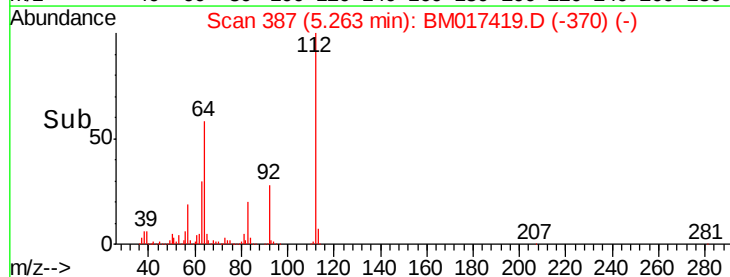
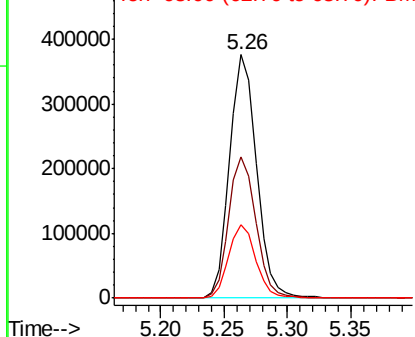


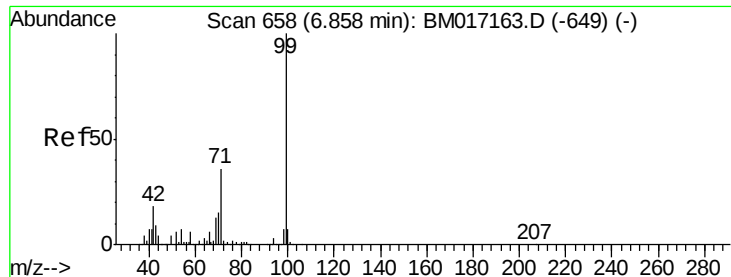
Abundance

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: 26.774 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM017419.D

Acq: 29 Oct 2018 22:28

Instrument :

BNA\_M

ClientSampleId :

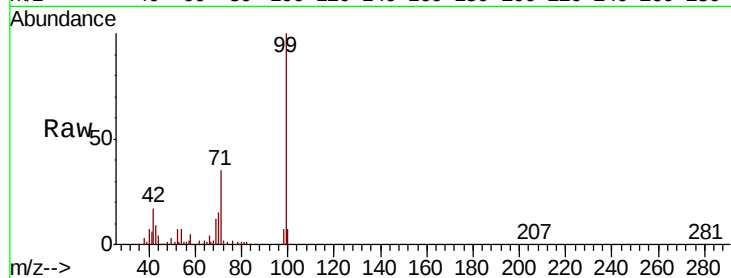
Tot Ion: 99 Resp: 472712

Ion Ratio Lower Upper

99 100

42 16.9 13.3 19.9

71 34.7 28.0 42.0

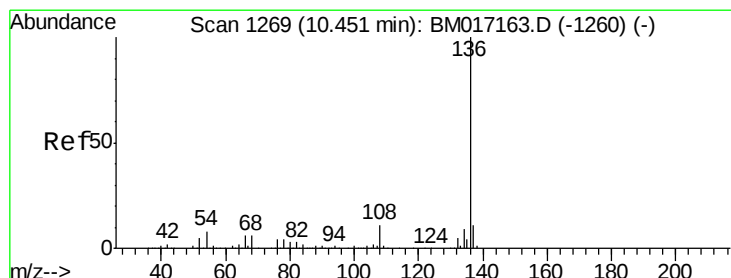
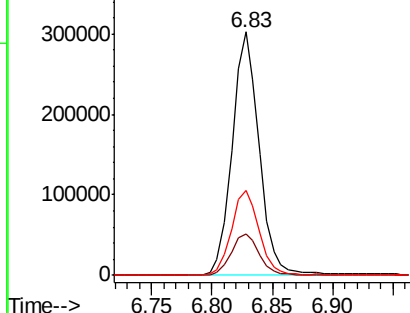
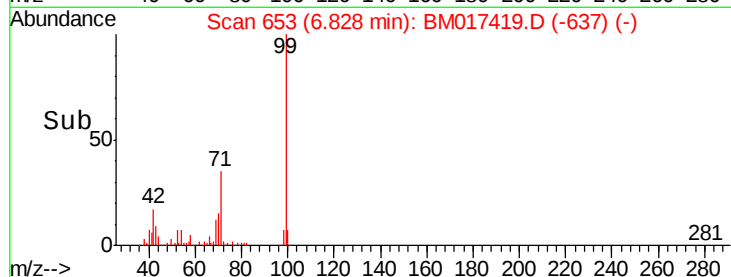


Abundance

Ion 99.00 (98.70 to 99.70): BM017163.D (-649) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-649) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-649) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM017419.D

Acq: 29 Oct 2018 22:28

Tgt Ion: 136 Resp: 945363

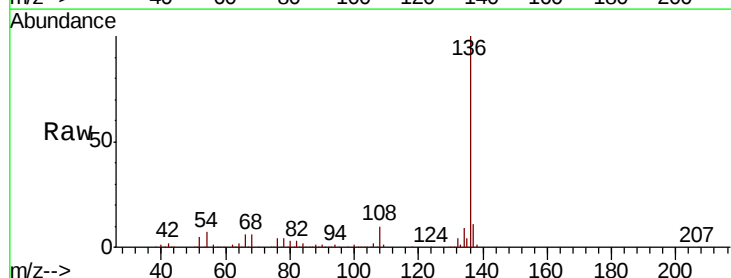
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 7.4 6.7 10.1

68 5.9 4.7 7.1



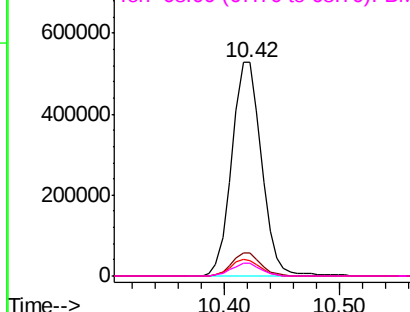
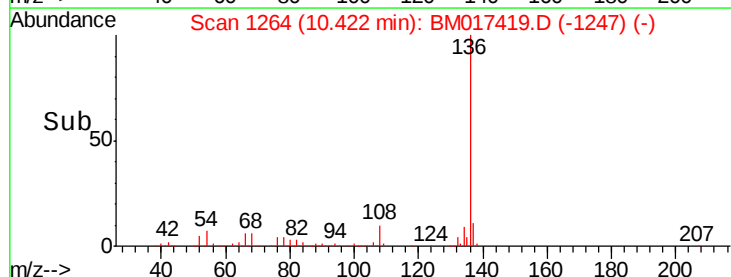
Abundance

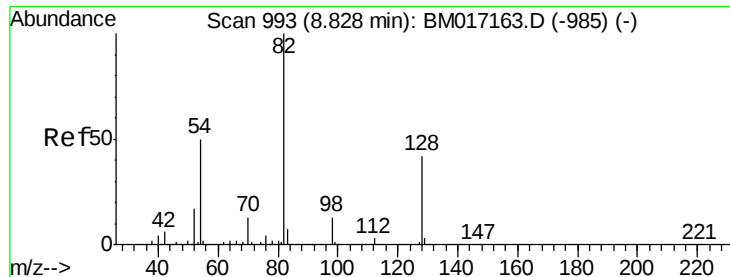
Ion 136.00 (135.70 to 136.70): BM017163.D (-1260) (-)

Ion 137.00 (136.70 to 137.70): BM017163.D (-1260) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-1260) (-)

Ion 68.00 (67.70 to 68.70): BM017163.D (-1260) (-)

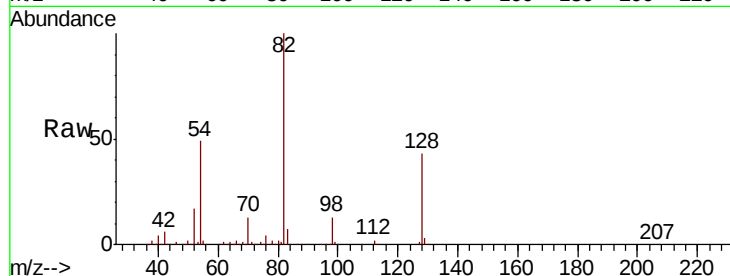




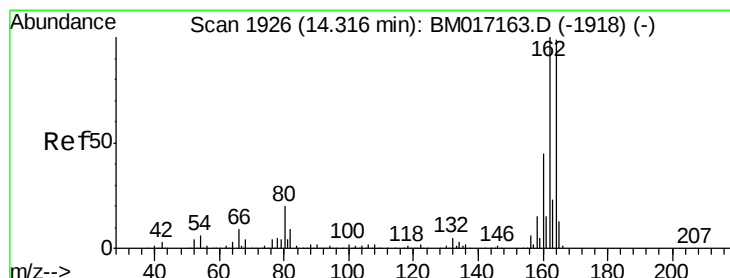
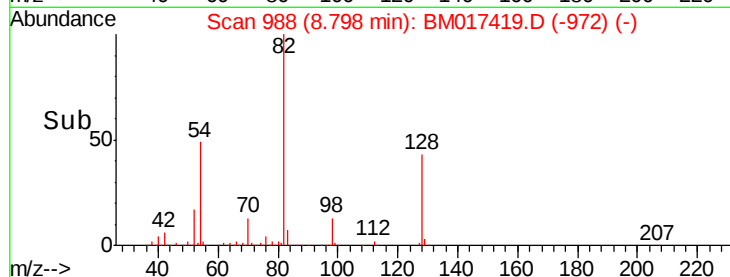
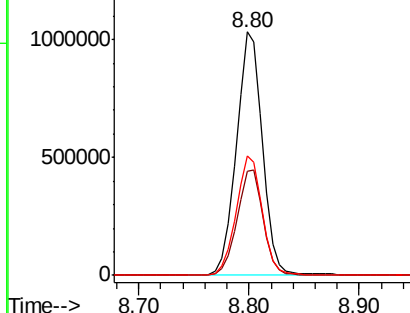
#23  
Nitrobenzene-d5  
Concen: 106.138 ng  
RT: 8.80 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BM017419.D  
Acq: 29 Oct 2018 22:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion: 82 Resp: 1715612  
Ion Ratio Lower Upper  
82 100  
128 42.9 37.0 55.6  
54 49.1 40.7 61.1

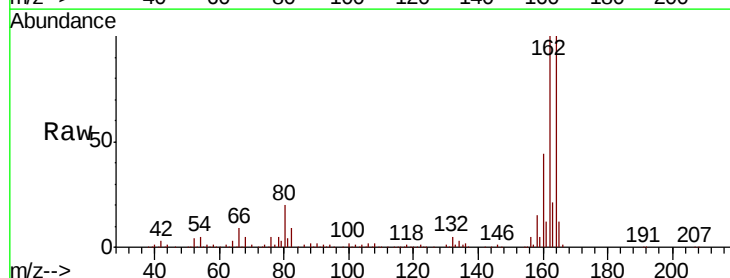


Abundance Ion 82.00 (81.70 to 82.70): BM017163.D (-985) (-)  
Ion 128.00 (127.70 to 128.70): BM017163.D (-985) (-)  
Ion 54.00 (53.70 to 54.70): BM017163.D (-985) (-)

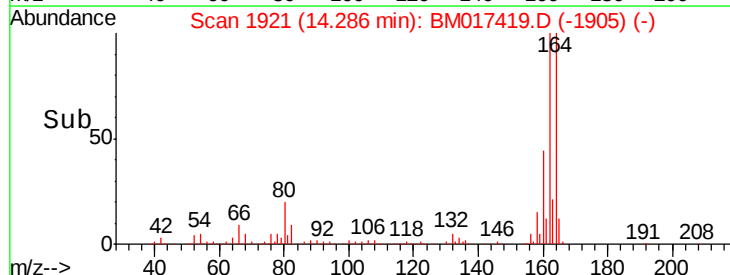
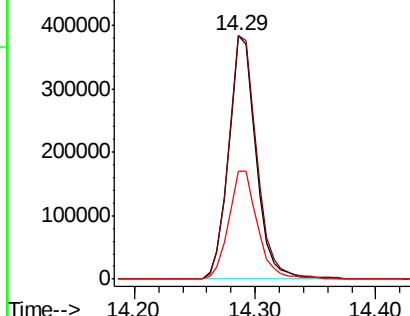


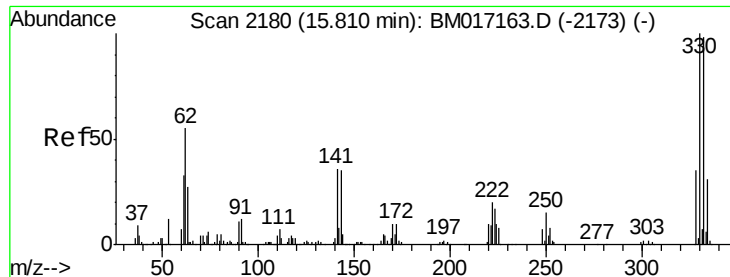
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.29 min Scan# 1921  
Delta R.T. -0.01 min  
Lab File: BM017419.D  
Acq: 29 Oct 2018 22:28

Tgt Ion:164 Resp: 605758  
Ion Ratio Lower Upper  
164 100  
162 100.1 82.1 123.1  
160 44.5 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) (-)

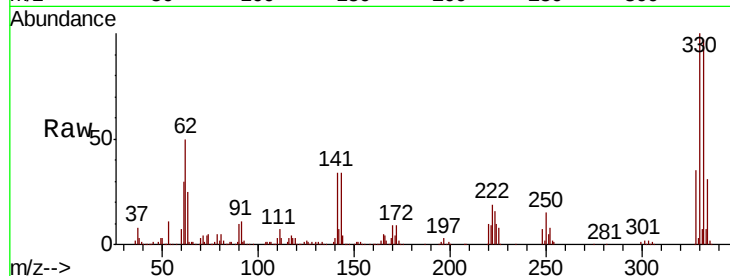




#42  
 2,4,6-Tribromophenol  
 Concen: 106.743 ng  
 RT: 15.79 min Scan# 2176  
 Delta R.T. -0.01 min  
 Lab File: BM017419.D  
 Acq: 29 Oct 2018 22:28

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.3  | 115.9 |
| 141     | 32.8  | 27.4  | 41.0  |

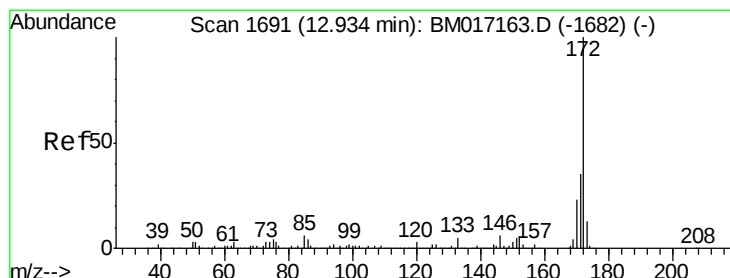
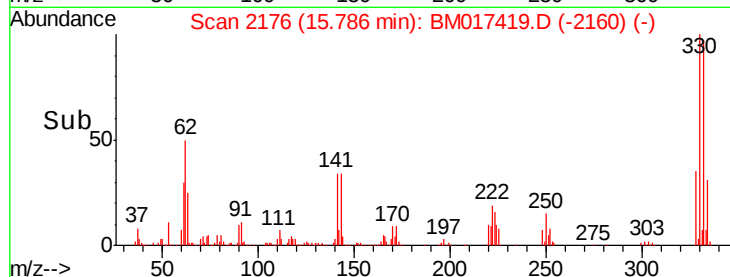
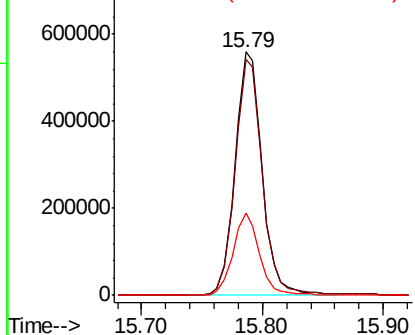


Abundance

Ion 329.80 (329.50 to 330.50): E

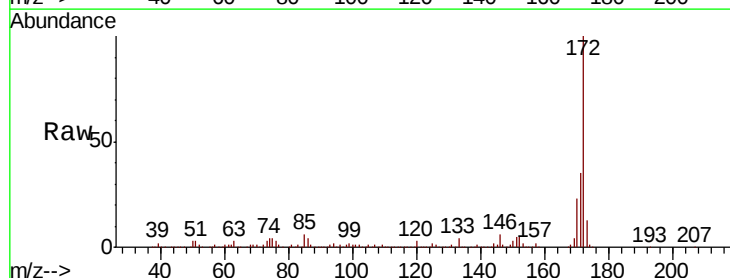
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 97.842 ng  
 RT: 12.90 min Scan# 1686  
 Delta R.T. -0.00 min  
 Lab File: BM017419.D  
 Acq: 29 Oct 2018 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 28.3  | 42.5  |
| 170     | 22.9  | 18.3  | 27.5  |

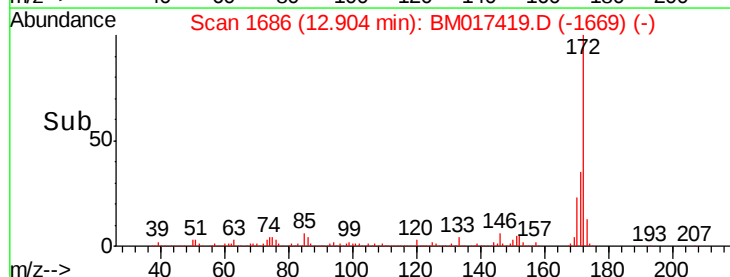
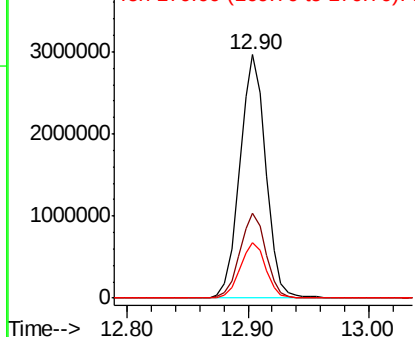


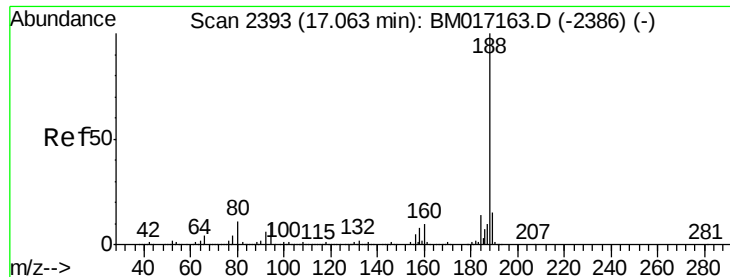
Abundance

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

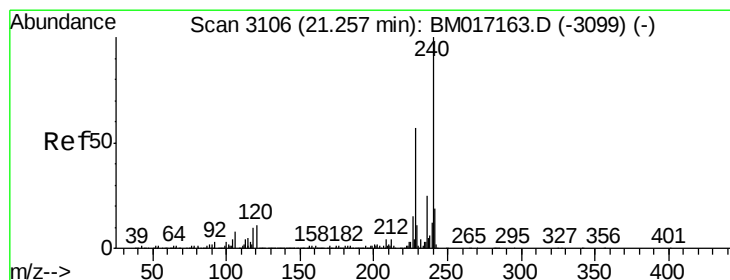
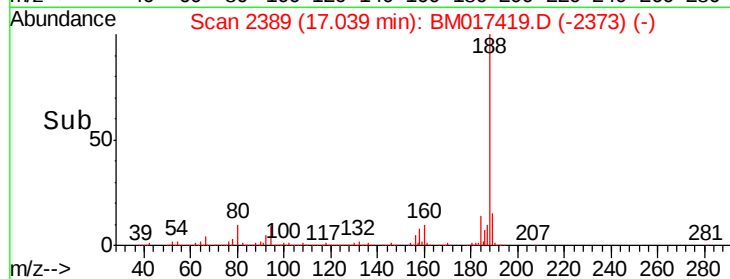
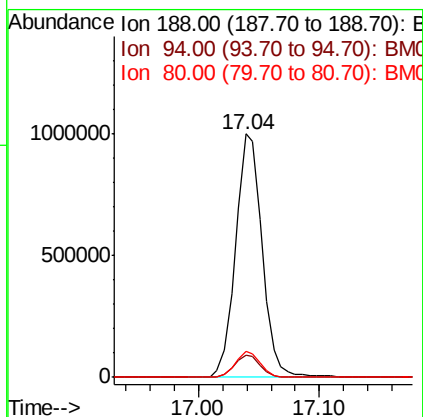
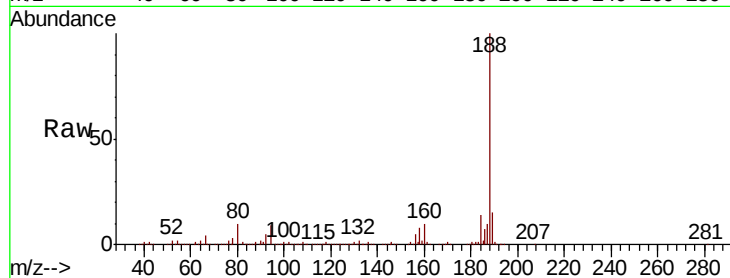




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.04 min Scan# 2389  
Delta R.T. -0.01 min  
Lab File: BM017419.D  
Acq: 29 Oct 2018 22:28

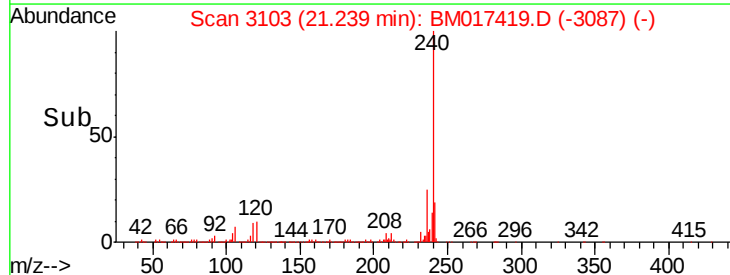
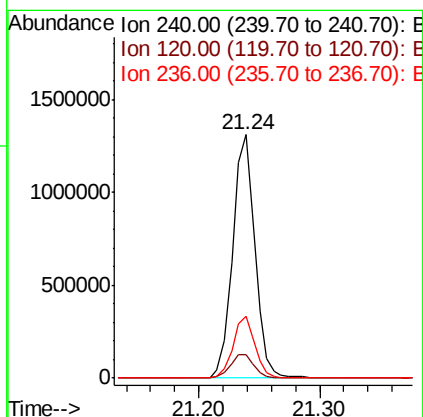
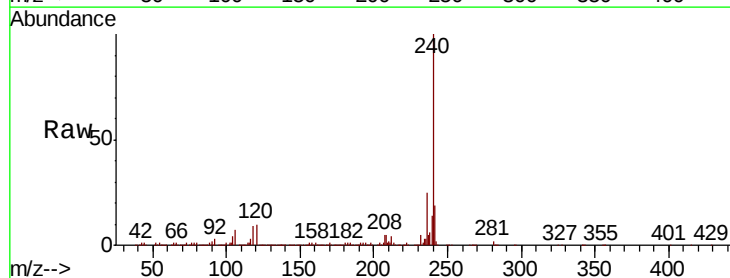
Instrument :  
BNA\_M  
ClientSampled :

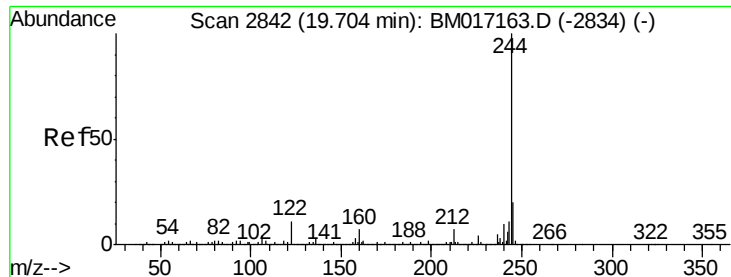
Tot Ion:188 Resp: 1531654  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.0 10.4  
80 10.4 7.7 11.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.24 min Scan# 3103  
Delta R.T. -0.01 min  
Lab File: BM017419.D  
Acq: 29 Oct 2018 22:28

Tgt Ion:240 Resp: 1692961  
Ion Ratio Lower Upper  
240 100  
120 9.8 8.1 12.1  
236 25.2 19.9 29.9





#79

Terphenyl-d14

Concen: 94.719 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BM017419.D

Acq: 29 Oct 2018 22:28

Instrument :

BNA\_M

ClientSampleId :

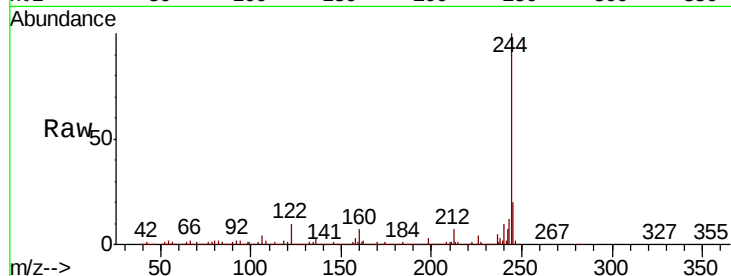
Tot Ion:244 Resp: 7114247

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

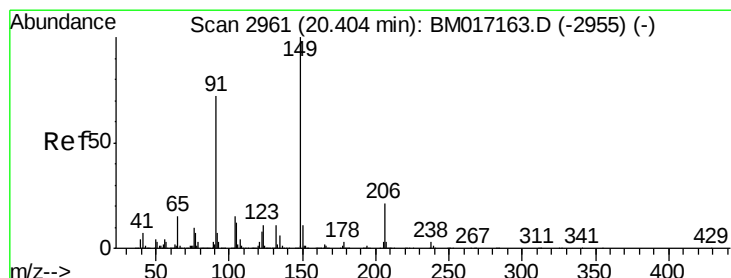
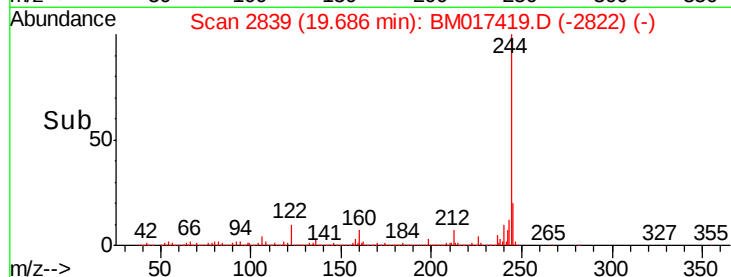
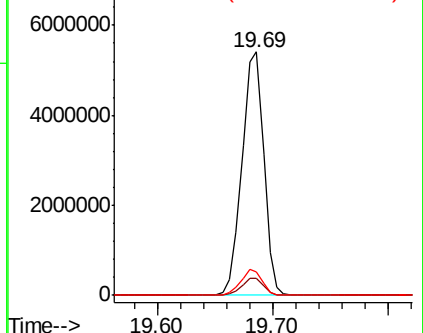
122 9.9 8.4 12.6



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



#80

Butylbenzylphthalate

Concen: 7.194 ng

RT: 20.37 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BM017419.D

Acq: 29 Oct 2018 22:28

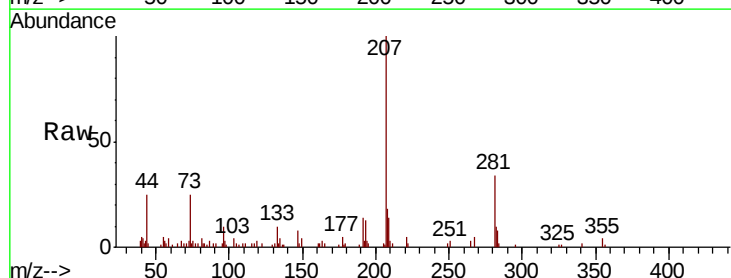
Tgt Ion:149 Resp: 783

Ion Ratio Lower Upper

149 100

91 66.6 51.3 76.9

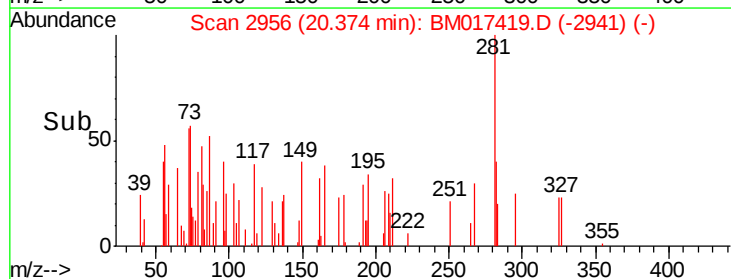
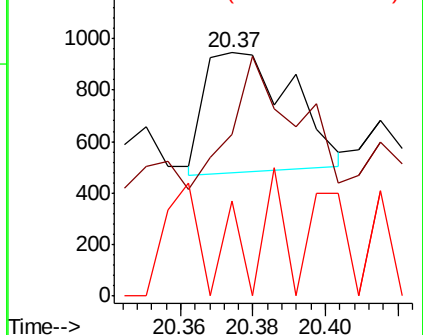
206 38.9 18.0 27.0#

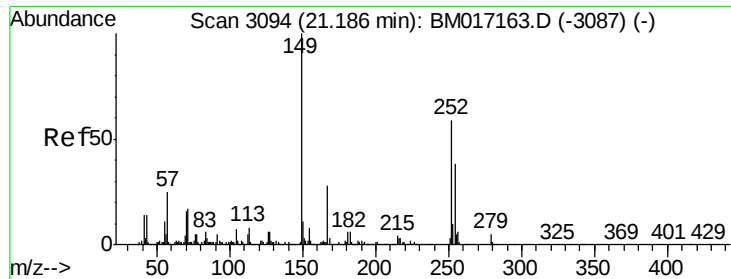


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

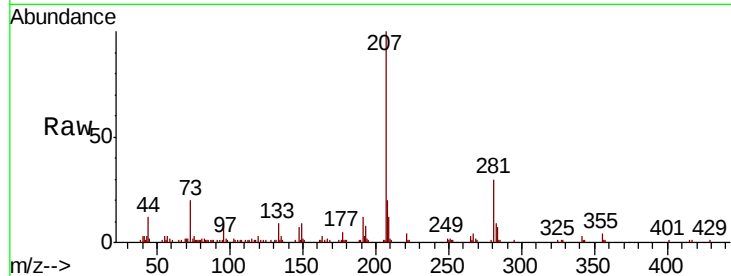




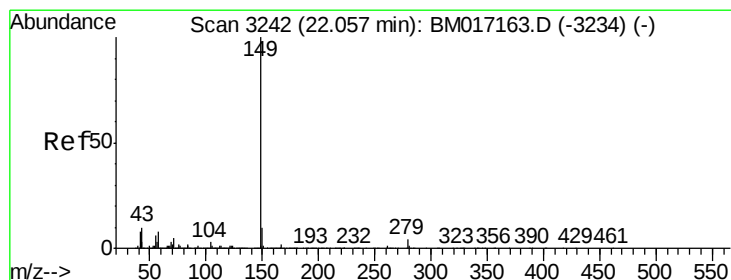
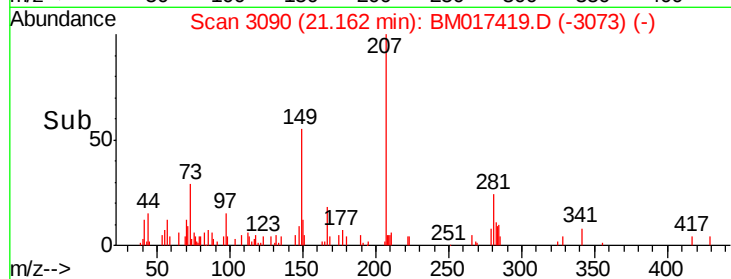
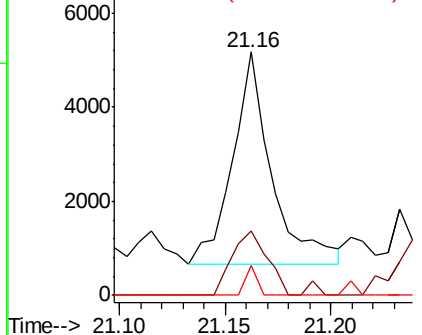
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.401 ng  
 RT: 21.16 min Scan# 3090  
 Delta R.T. -0.00 min  
 Lab File: BM017419.D  
 Acq: 29 Oct 2018 22:28

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:149 Resp: 5758  
 Ion Ratio Lower Upper  
 149 100  
 167 26.4 22.2 33.4  
 279 12.0 3.6 5.4#

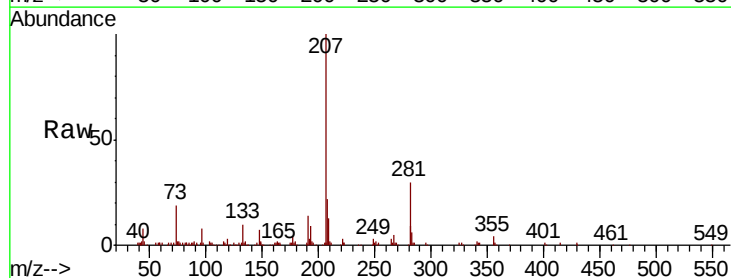


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

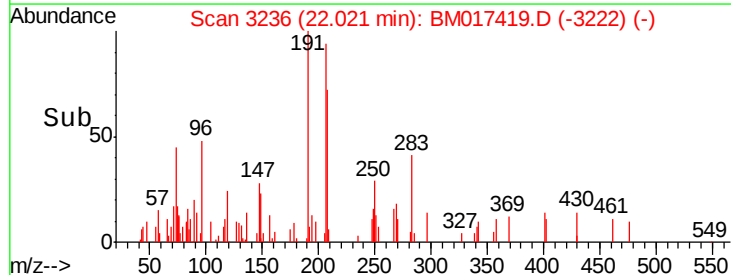
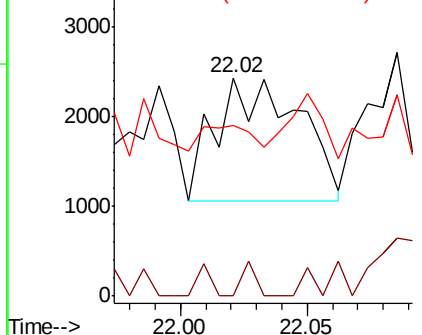


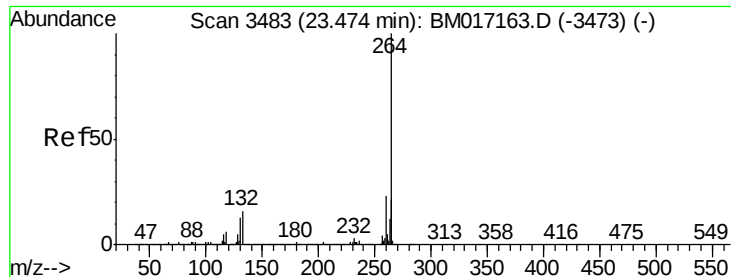
#85  
 Di-n-octyl phthalate  
 Concen: 5.601 ng  
 RT: 22.02 min Scan# 3236  
 Delta R.T. -0.02 min  
 Lab File: BM017419.D  
 Acq: 29 Oct 2018 22:28

Tgt Ion:149 Resp: 3088  
 Ion Ratio Lower Upper  
 149 100  
 167 4.5 1.4 2.0#  
 43 15.0 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



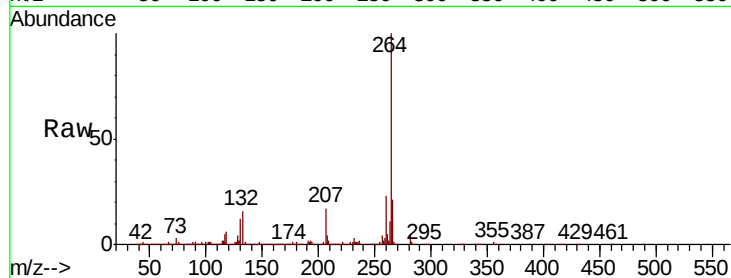


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.44 min Scan# 3478  
Delta R.T. -0.01 min  
Lab File: BM017419.D  
Acq: 29 Oct 2018 22:28

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:264 Resp: 1590452  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 18.6  | 27.8  |
| 265 | 21.4  | 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

