

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102618\  
 Data File : BM017365.D  
 Acq On : 27 Oct 2018 01:23  
 Operator : MJ/SJ  
 Sample : J5686-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 27 04:15:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

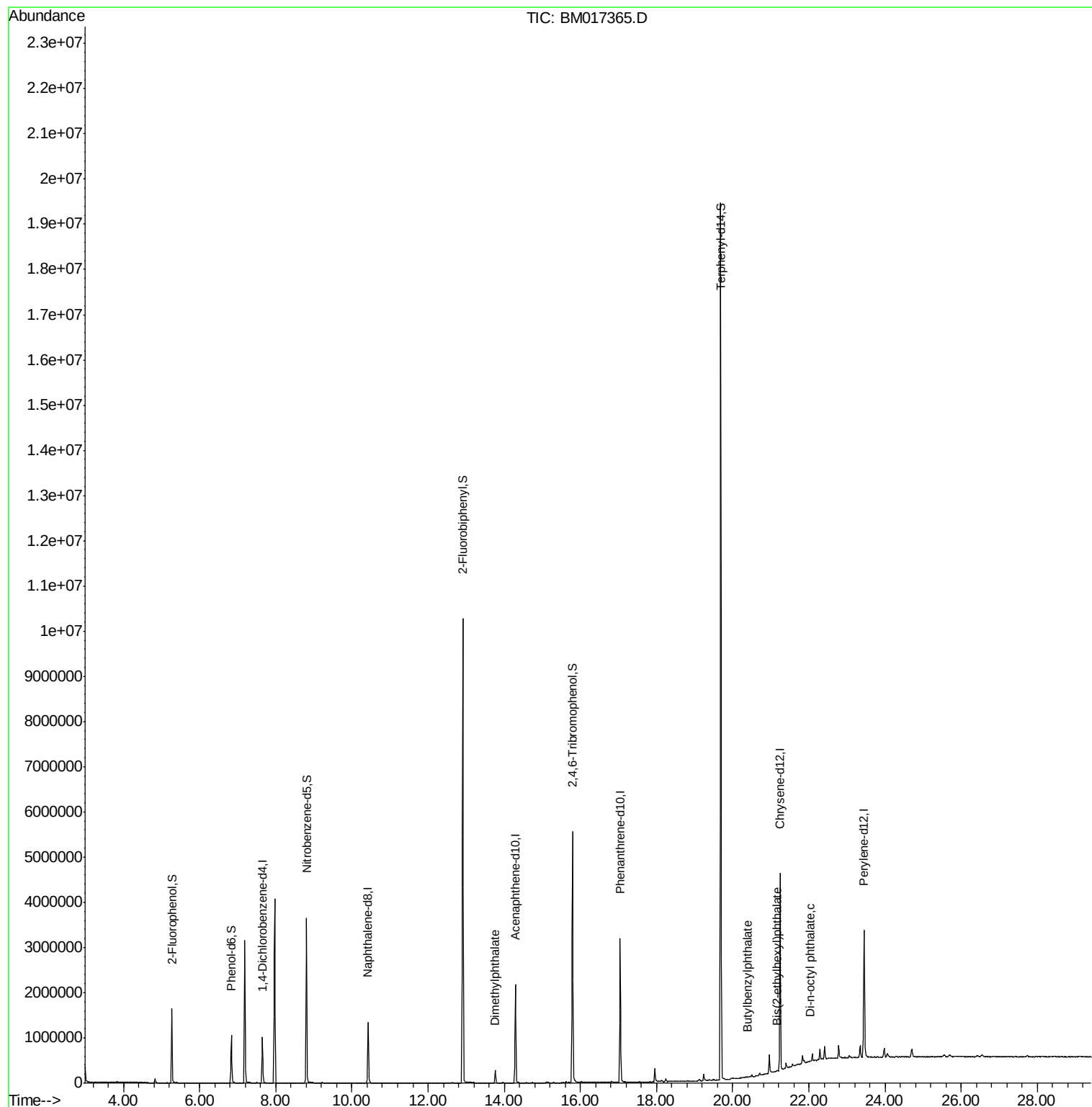
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.65  | 152  | 264834   | 20.00  | ng    | -0.02      |
| 21) Naphthalene-d8             | 10.42 | 136  | 1158733  | 20.00  | ng    | -0.03      |
| 39) Acenaphthene-d10           | 14.29 | 164  | 748897   | 20.00  | ng    | -0.02      |
| 64) Phenanthrene-d10           | 17.05 | 188  | 1859757  | 20.00  | ng    | -0.02      |
| 76) Chrysene-d12               | 21.24 | 240  | 2126106  | 20.00  | ng    | -0.02      |
| 87) Perylene-d12               | 23.45 | 264  | 2009162  | 20.00  | ng    | -0.03      |
| System Monitoring Compounds    |       |      |          |        |       |            |
| 5) 2-Fluorophenol              | 5.27  | 112  | 690447   | 44.09  | ng    | -0.02      |
| 7) Phenol-d6                   | 6.83  | 99   | 594329   | 27.87  | ng    | -0.02      |
| 23) Nitrobenzene-d5            | 8.80  | 82   | 2114208  | 106.71 | ng    | -0.03      |
| 42) 2,4,6-Tribromophenol       | 15.79 | 330  | 1082673  | 106.90 | ng    | -0.02      |
| 45) 2-Fluorobiphenyl           | 12.91 | 172  | 5263830  | 93.52  | ng    | -0.02      |
| 79) Terphenyl-d14              | 19.69 | 244  | 9378366  | 99.43  | ng    | -0.01      |
| Target Compounds               |       |      |          |        |       |            |
| 50) Dimethylphthalate          | 13.76 | 163  | 196708   | 3.405  | ng    | Qvalue 100 |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 1563     | 7.205  | ng    | # 91       |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 6839     | 5.396  | ng    | # 88       |
| 85) Di-n-octyl phthalate       | 22.03 | 149  | 1436     | 5.582  | ng    | # 2        |

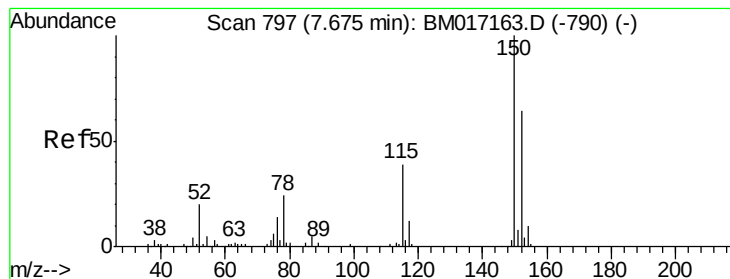
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102618\  
Data File : BM017365.D  
Acq On : 27 Oct 2018 01:23  
Operator : MJ/SJ  
Sample : J5686-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Oct 27 04:15:04 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 17 14:23:17 2018  
Response via : Initial Calibration



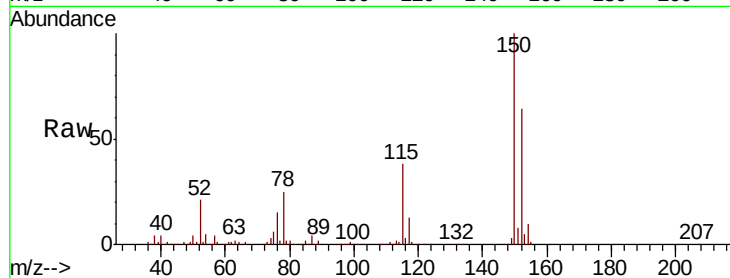


#1

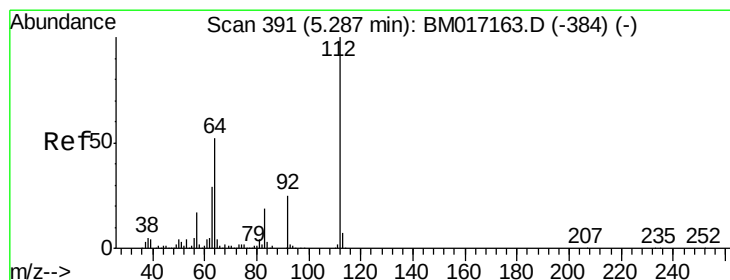
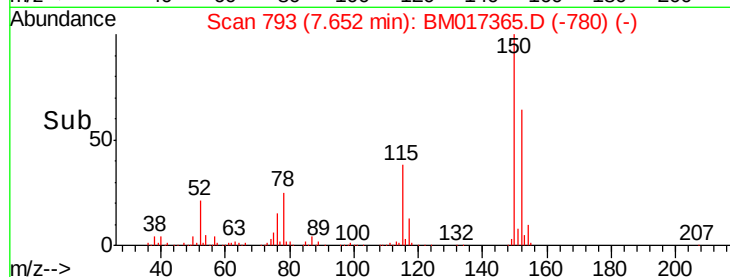
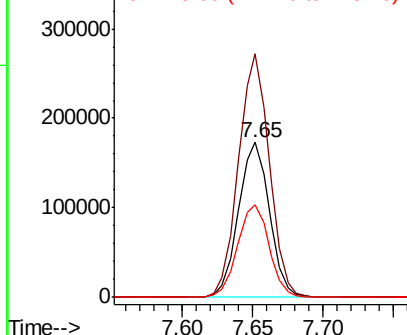
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 793  
Delta R.T. -0.02 min  
Lab File: BM017365.D  
Acq: 27 Oct 2018 01:23

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 124.3 | 186.5 |
| 115     | 59.6  | 48.1  | 72.1  |



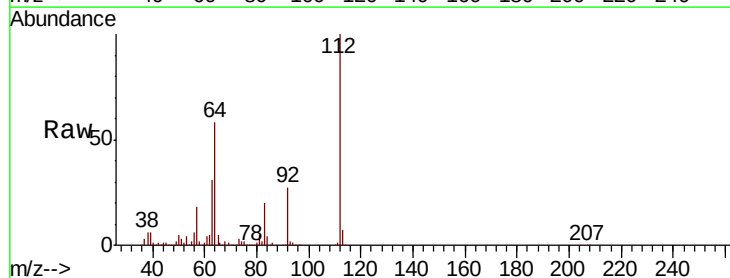
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



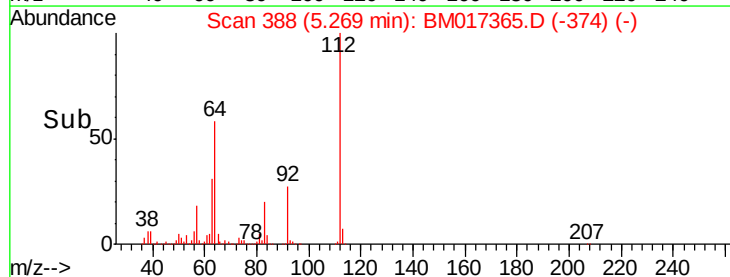
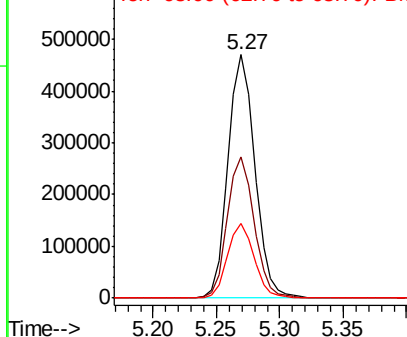
#5

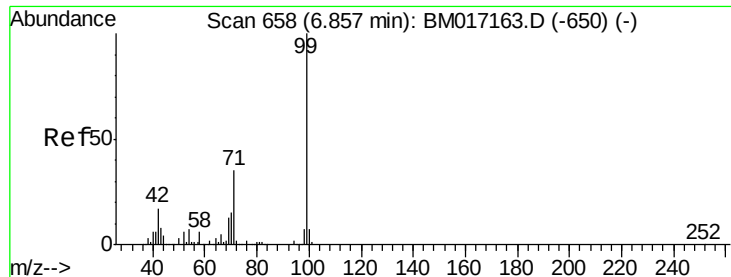
2-Fluorophenol  
Concen: 44.095 ng  
RT: 5.27 min Scan# 388  
Delta R.T. -0.02 min  
Lab File: BM017365.D  
Acq: 27 Oct 2018 01:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.2  | 41.7  | 62.5  |
| 63      | 30.5  | 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: 27.869 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

Lab File: BM017365.D

Acq: 27 Oct 2018 01:23

Instrument :

BNA\_M

ClientSampled :

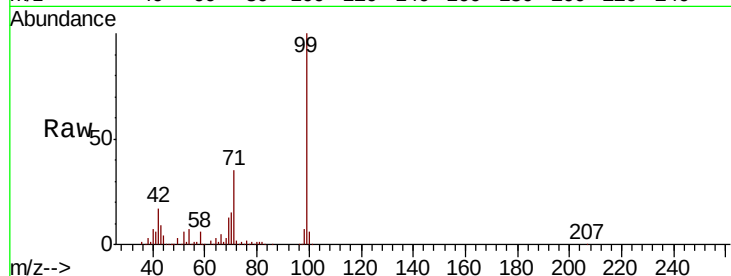
Tot Ion: 99 Resp: 594329

Ion Ratio Lower Upper

99 100

42 17.2 13.3 19.9

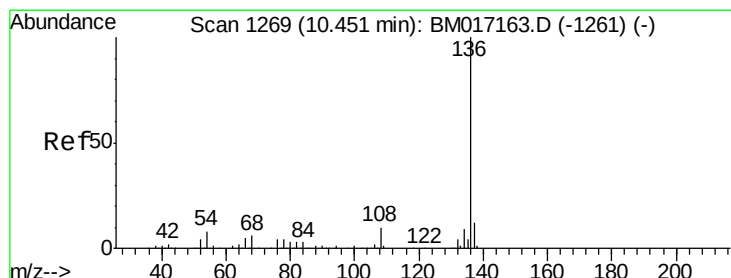
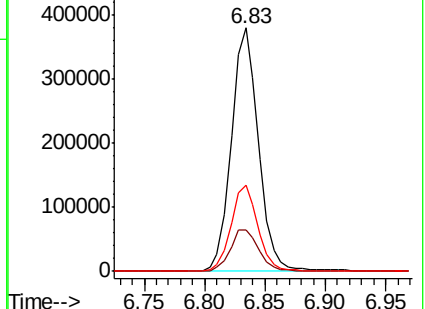
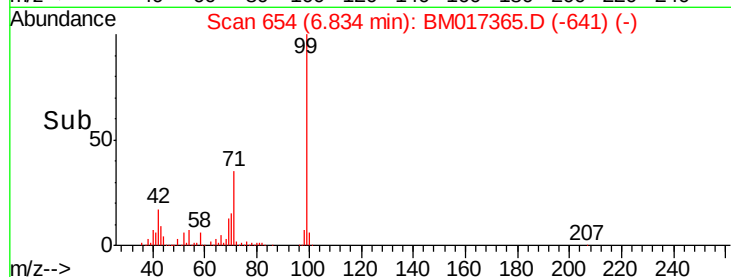
71 35.4 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017163.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-650) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.03 min

Lab File: BM017365.D

Acq: 27 Oct 2018 01:23

Tgt Ion: 136 Resp: 1158733

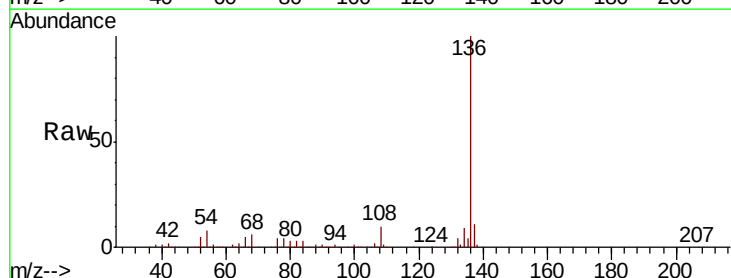
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 8.3 6.7 10.1

68 6.1 4.7 7.1

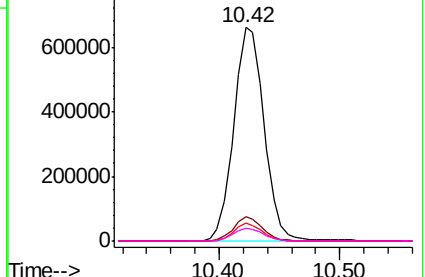
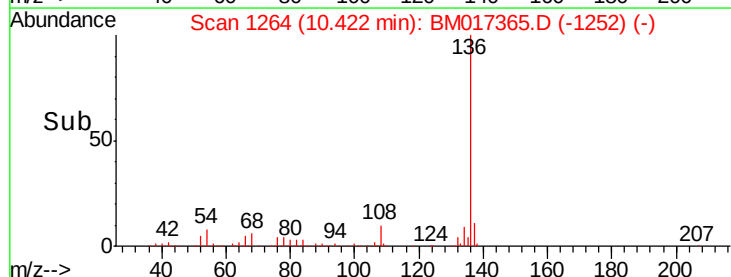


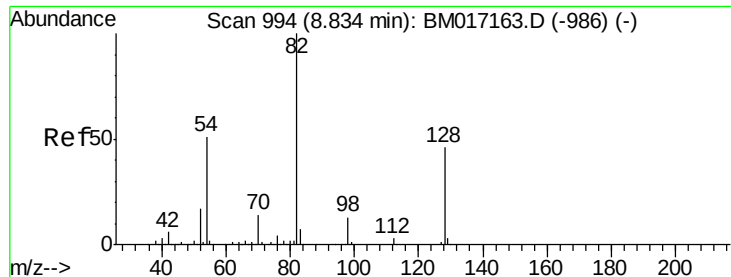
Abundance Ion 136.00 (135.70 to 136.70): BM017163.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM017163.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM017163.D (-1261) (-)

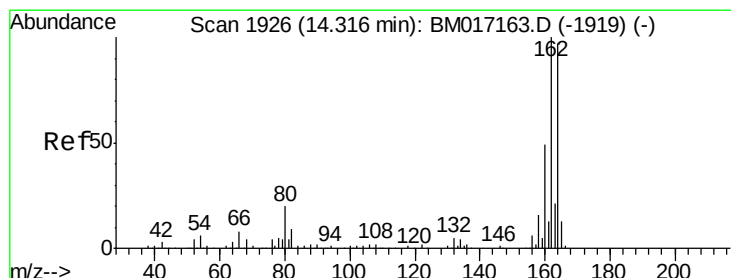
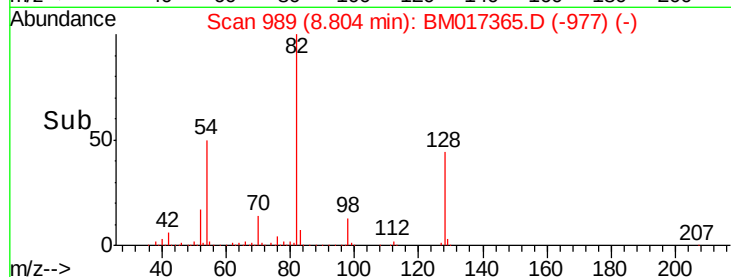
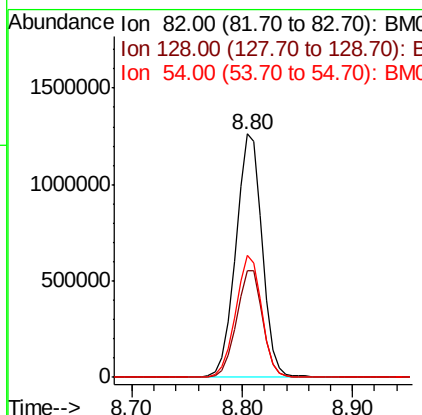
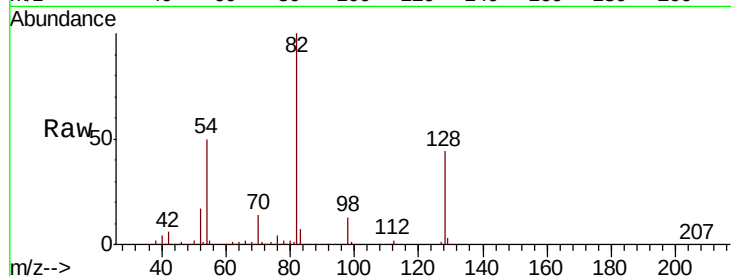




#23  
Nitrobenzene-d5  
Concen: 106.712 ng  
RT: 8.80 min Scan# 989  
Delta R.T. -0.03 min  
Lab File: BM017365.D  
Acq: 27 Oct 2018 01:23

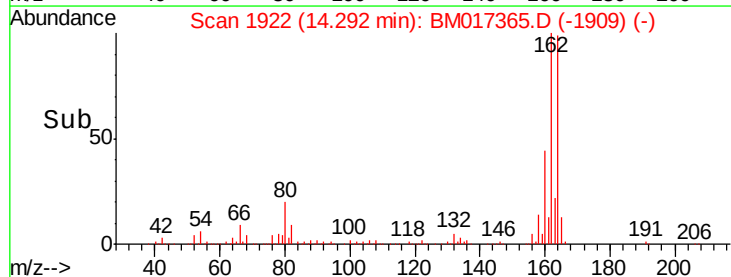
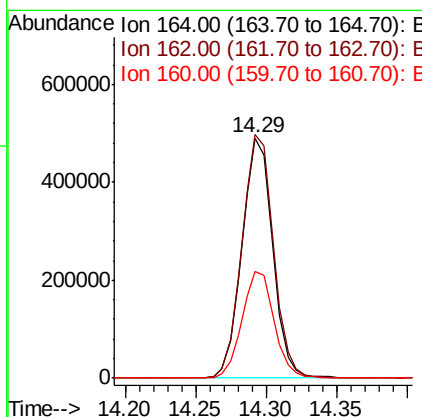
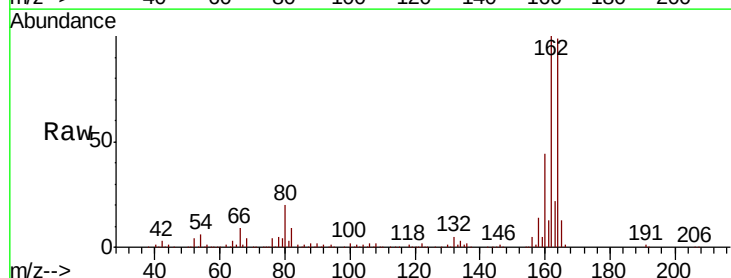
Instrument :  
BNA\_M  
ClientSampleId :

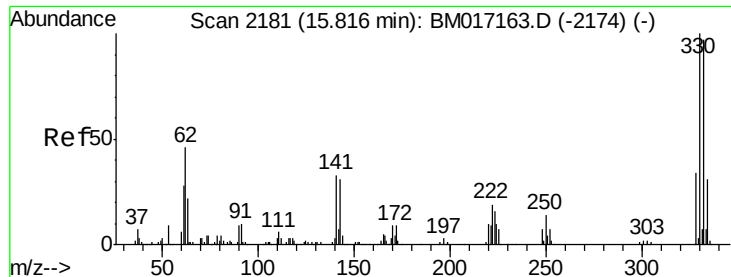
Tot Ion: 82 Resp: 2114208  
Ion Ratio Lower Upper  
82 100  
128 43.6 37.0 55.6  
54 49.9 40.7 61.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.29 min Scan# 1922  
Delta R.T. -0.02 min  
Lab File: BM017365.D  
Acq: 27 Oct 2018 01:23

Tgt Ion:164 Resp: 748897  
Ion Ratio Lower Upper  
164 100  
162 101.4 82.1 123.1  
160 44.4 40.2 60.2

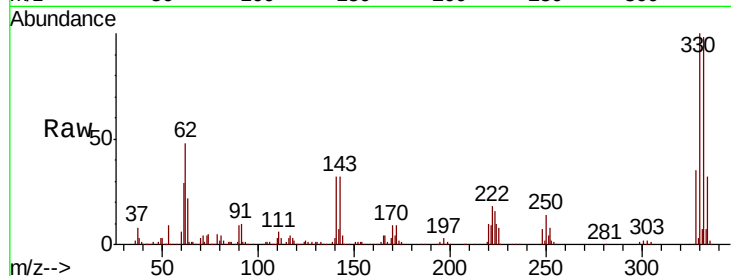




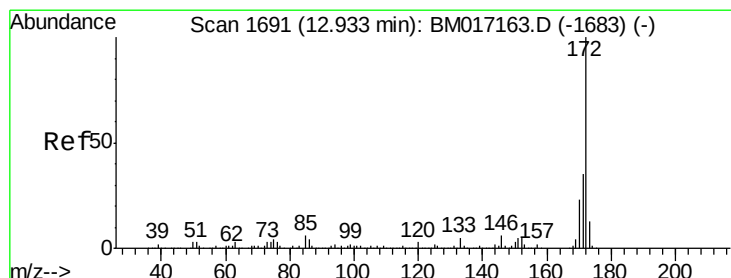
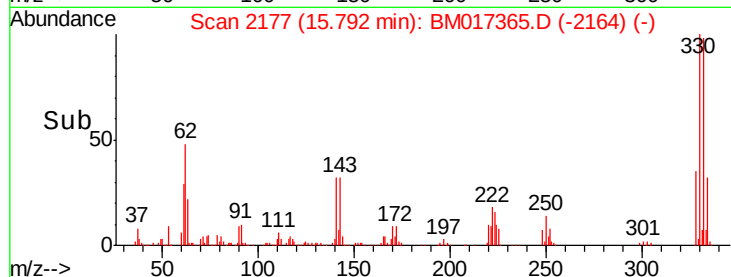
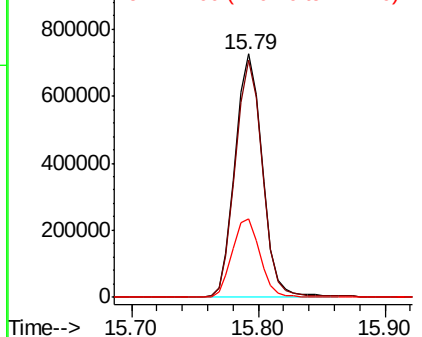
#42  
 2,4,6-Tribromophenol  
 Concen: 106.902 ng  
 RT: 15.79 min Scan# 2177  
 Delta R.T. -0.02 min  
 Lab File: BM017365.D  
 Acq: 27 Oct 2018 01:23

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:330 Resp: 1082673  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.3 115.9  
 141 33.0 27.4 41.0

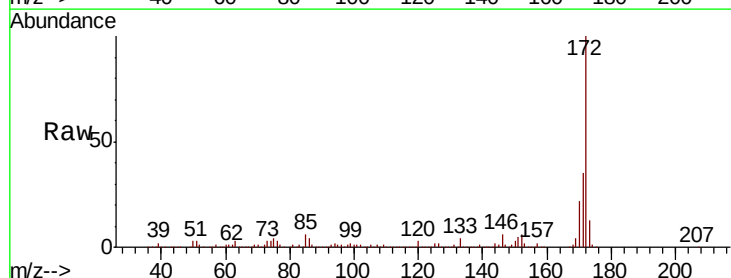


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

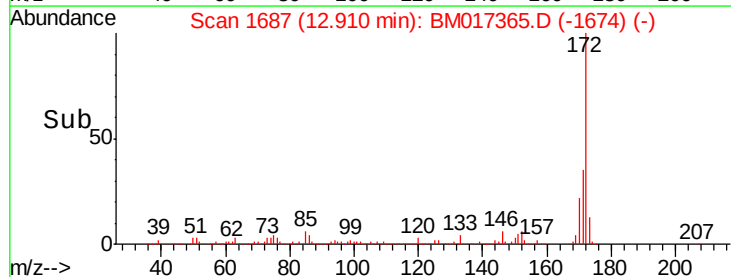
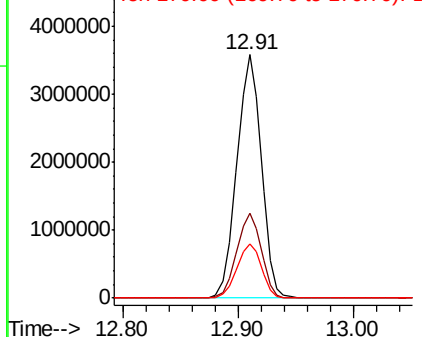


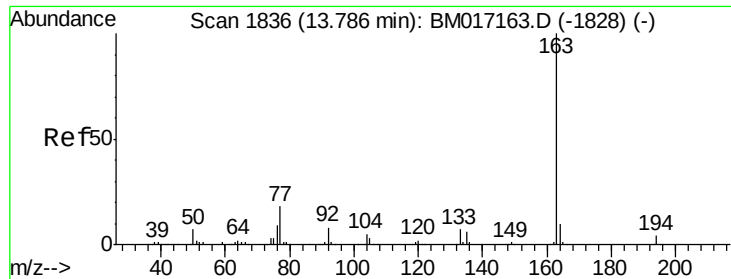
#45  
 2-Fluorobiphenyl  
 Concen: 93.521 ng  
 RT: 12.91 min Scan# 1687  
 Delta R.T. -0.02 min  
 Lab File: BM017365.D  
 Acq: 27 Oct 2018 01:23

Tgt Ion:172 Resp: 5263830  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.3 42.5  
 170 22.5 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: 3.405 ng

RT: 13.76 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BM017365.D

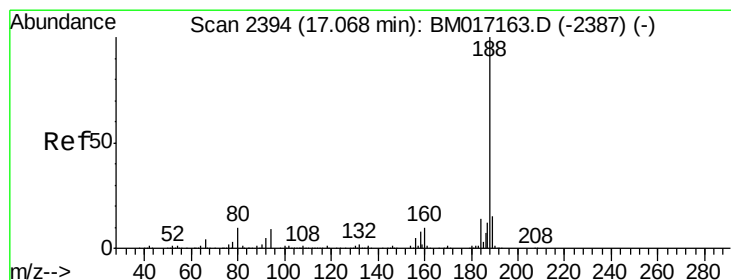
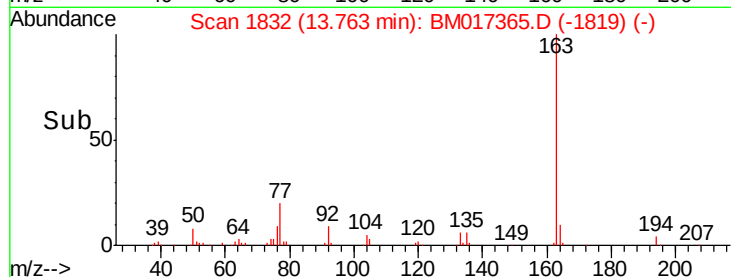
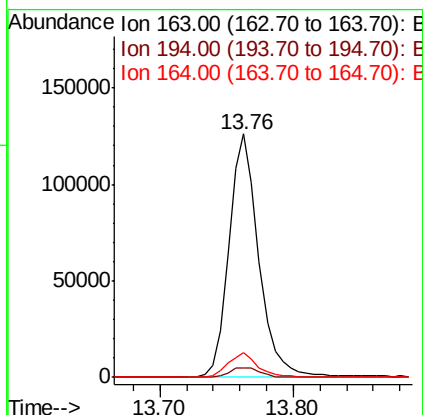
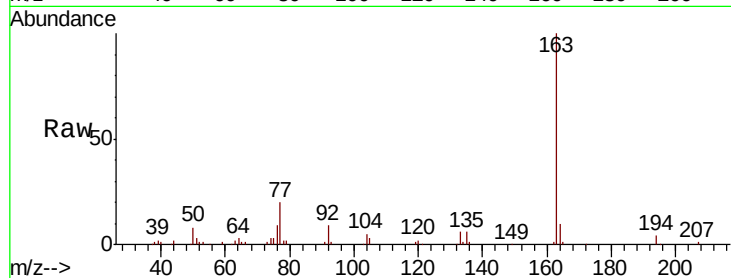
Acq: 27 Oct 2018 01:23

Instrument :

BNA\_M

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:163 | Resp: | 196708   |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.0   | 3.3 4.9  |
| 164         | 10.0  | 7.8 11.8 |



#64

Phenanthrene-d10

Concen: 20.000 ng

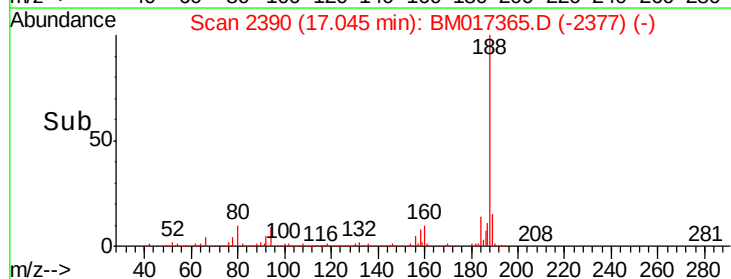
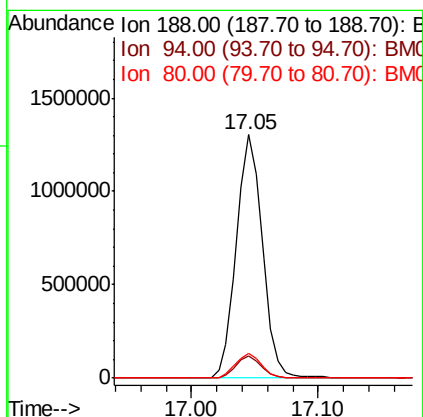
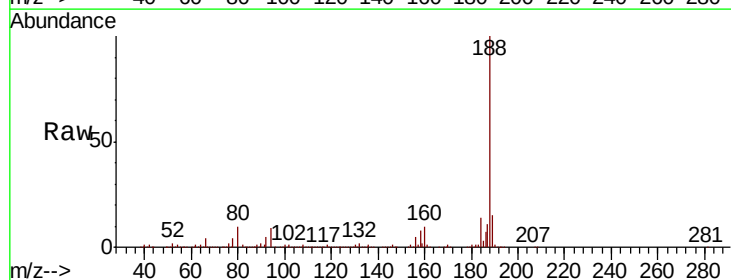
RT: 17.05 min Scan# 2390

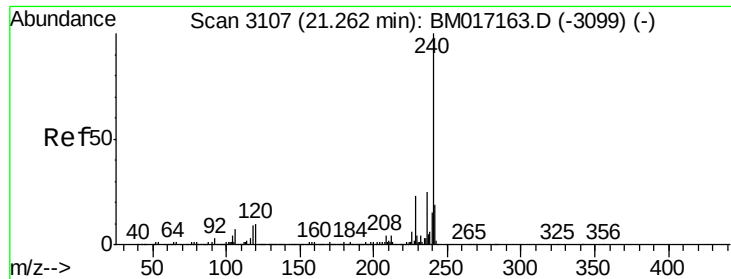
Delta R.T. -0.02 min

Lab File: BM017365.D

Acq: 27 Oct 2018 01:23

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 1859757  |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 9.3   | 7.0 10.4 |
| 80          | 9.9   | 7.7 11.5 |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.24 min Scan# 3103

Delta R.T. -0.02 min

Lab File: BM017365.D

Acq: 27 Oct 2018 01:23

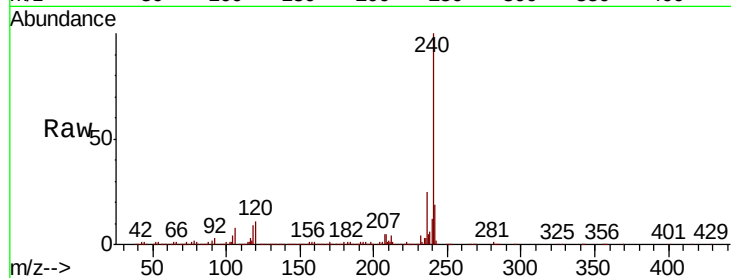
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:240 Resp: 2126106

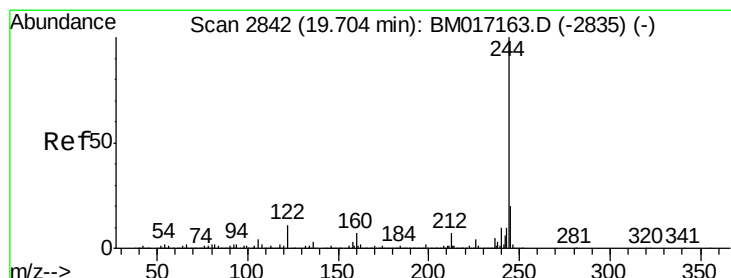
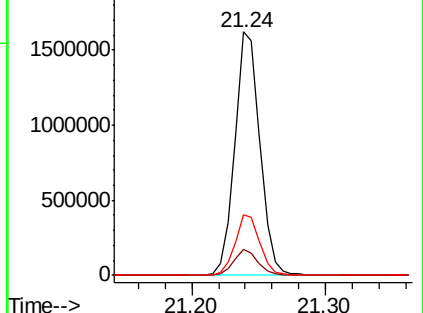
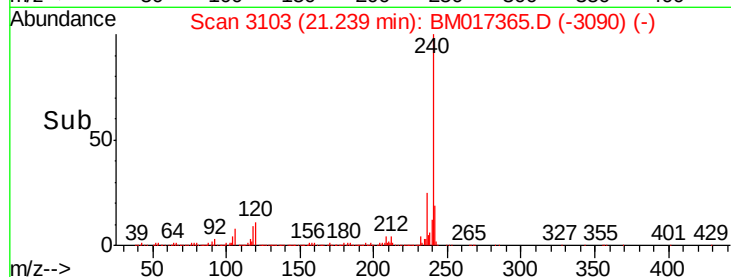
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.7  | 8.1   | 12.1  |
| 236 | 25.0  | 19.9  | 29.9  |



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 99.425 ng

RT: 19.69 min Scan# 2840

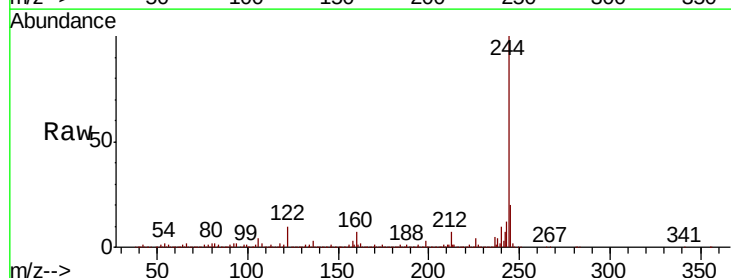
Delta R.T. -0.01 min

Lab File: BM017365.D

Acq: 27 Oct 2018 01:23

Tgt Ion:244 Resp: 9378366

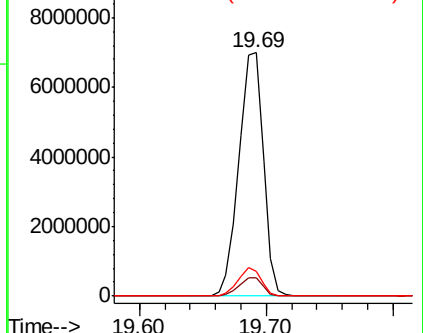
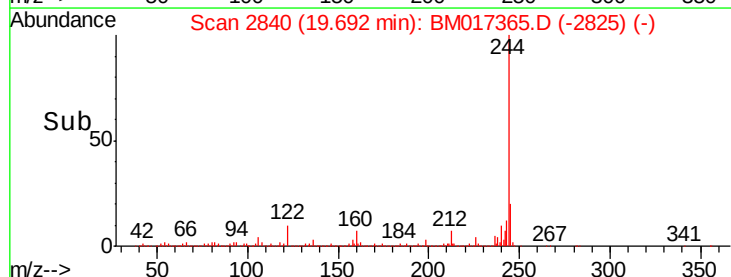
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 5.5   | 8.3   |
| 122 | 10.3  | 8.4   | 12.6  |



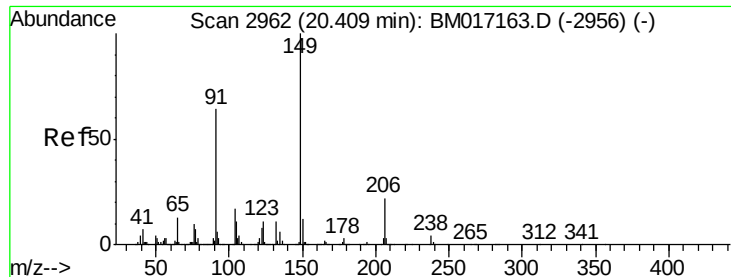
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



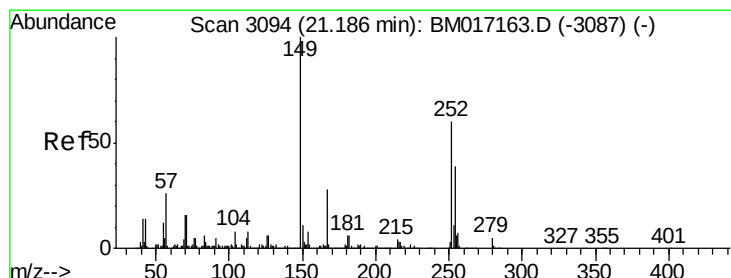
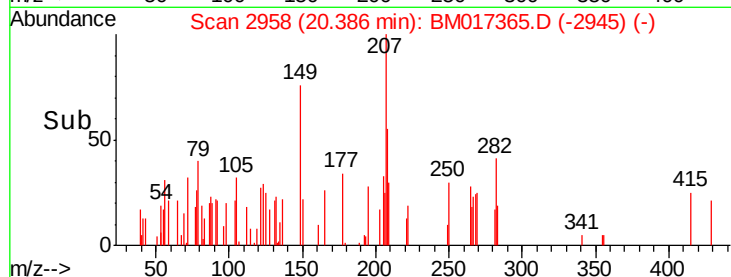
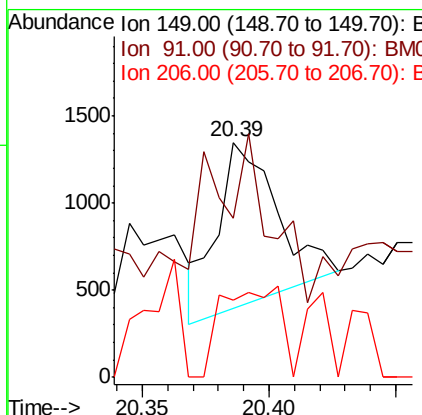
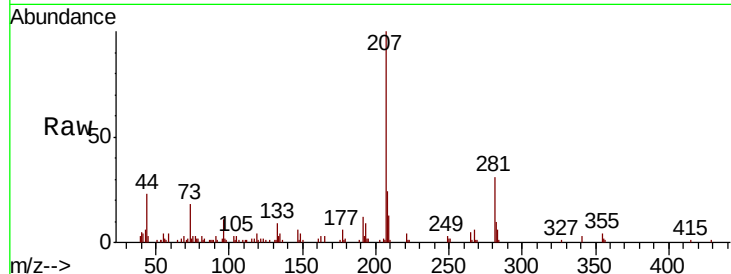




#80  
 Butylbenzylphthalate  
 Concen: 7.205 ng  
 RT: 20.39 min Scan# 2958  
 Delta R.T. -0.02 min  
 Lab File: BM017365.D  
 Acq: 27 Oct 2018 01:23

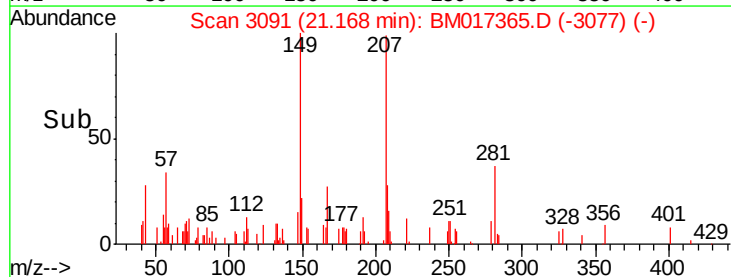
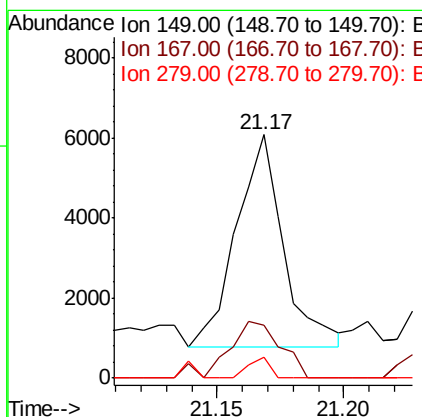
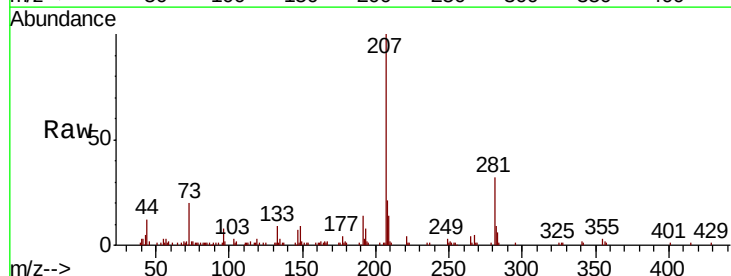
Instrument :  
 BNA\_M  
 ClientSampled :

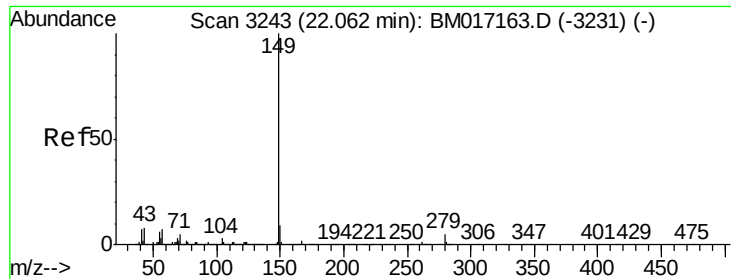
Tot Ion:149 Resp: 1563  
 Ion Ratio Lower Upper  
 149 100  
 91 67.8 51.3 76.9  
 206 32.6 18.0 27.0#



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.396 ng  
 RT: 21.17 min Scan# 3091  
 Delta R.T. -0.02 min  
 Lab File: BM017365.D  
 Acq: 27 Oct 2018 01:23

Tgt Ion:149 Resp: 6839  
 Ion Ratio Lower Upper  
 149 100  
 167 21.8 22.2 33.4#  
 279 8.6 3.6 5.4#





#85

Di-n-octyl phthalate

Concen: 5.582 ng

RT: 22.03 min Scan# 3238

Delta R.T. -0.03 min

Lab File: BM017365.D

Acq: 27 Oct 2018 01:23

Instrument :

BNA\_M

ClientSampleId :

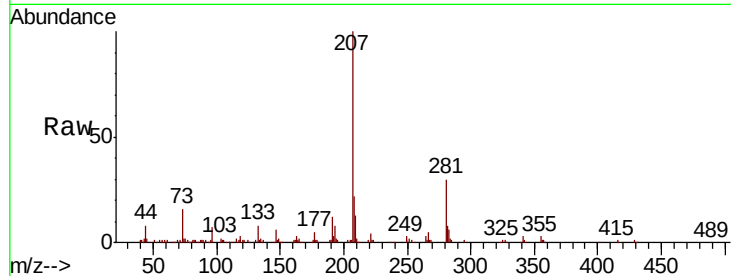
Tot Ion:149 Resp: 1436

Ion Ratio Lower Upper

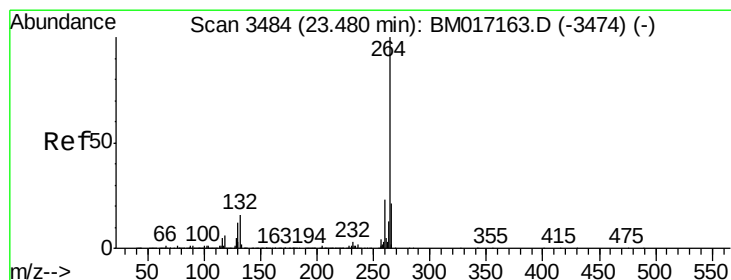
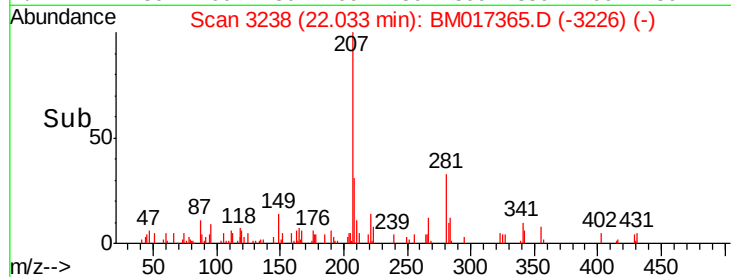
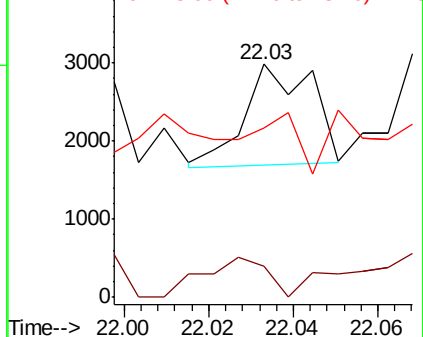
149 100

167 37.3 1.4 2.0#

43 44.6 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): BM0



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.45 min Scan# 3479

Delta R.T. -0.03 min

Lab File: BM017365.D

Acq: 27 Oct 2018 01:23

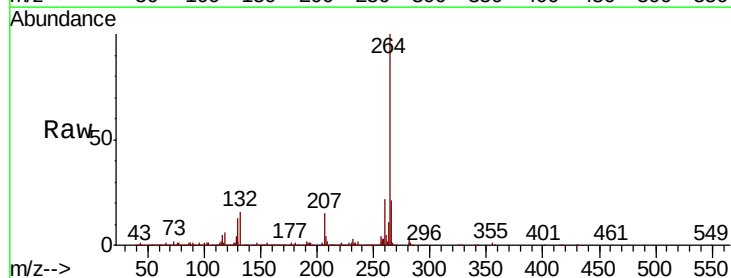
Tgt Ion:264 Resp: 2009162

Ion Ratio Lower Upper

264 100

260 22.5 18.6 27.8

265 21.3 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

