

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101918\  
 Data File : BM017232.D  
 Acq On : 19 Oct 2018 16:27  
 Operator : MJ/SJ  
 Sample : PB113946BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 20 03:51:25 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 | 7.67  | 152  | 313212   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.44 | 136  | 1242535  | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.30 | 164  | 727876   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.06 | 188  | 1602822  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.25 | 240  | 1327800  | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.46 | 264  | 1100698  | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.28  | 112  | 2122469  | 114.61 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 2803696  | 111.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 1677750  | 78.97  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 1082884  | 110.01 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 4079206  | 74.57  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.70 | 244  | 5240893  | 88.97  | ng    | 0.00     |

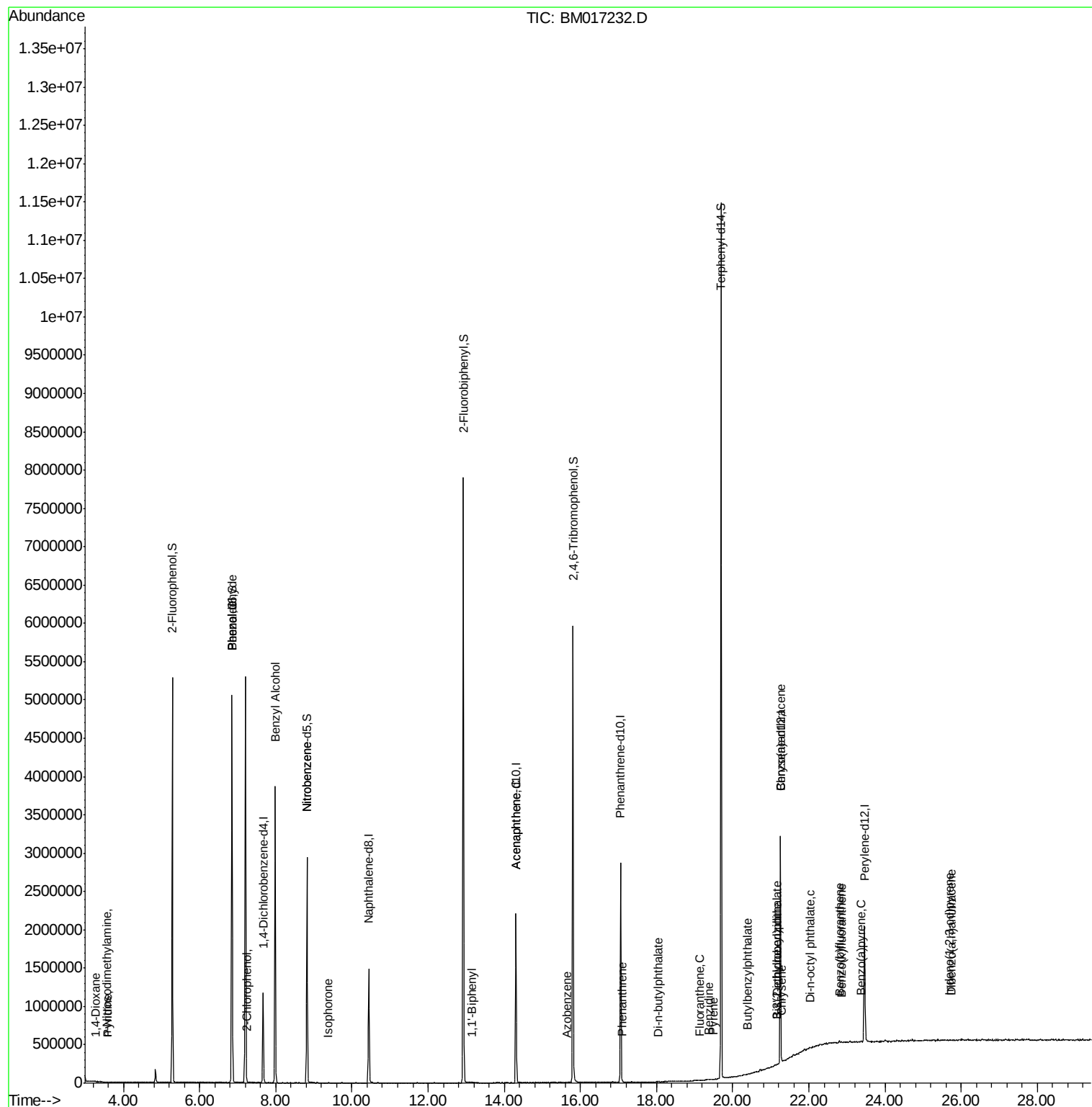
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88   | 127      | 0.013 | ng    | # 1    |
| 3) Pyridine                    | 3.60  | 79   | 110      | 0.005 | ng    | # 1    |
| 4) n-Nitrosodimethylamine      | 3.56  | 42   | 164      | 0.019 | ng    | # 1    |
| 8) 2-Chlorophenol              | 7.24  | 128  | 422      | 0.020 | ng    | # 14   |
| 9) Benzaldehyde                | 6.85  | 77   | 5770     | 0.359 | ng    | # 1    |
| 10) Phenol                     | 6.85  | 94   | 241      | 0.009 | ng    | # 1    |
| 15) Benzyl Alcohol             | 7.99  | 79   | 26918    | 1.460 | ng    | # 47   |
| 24) Nitrobenzene               | 8.82  | 77   | 6018     | 0.268 | ng    | # 31   |
| 25) Isophorone                 | 9.36  | 82   | 111      | 0.003 | ng    | # 63   |
| 46) 1,1'-Biphenyl              | 13.14 | 154  | 5291     | 0.081 | ng    | # 96   |
| 52) Acenaphthene               | 14.30 | 154  | 2621     | 0.060 | ng    | # 4    |
| 63) Azobenzene                 | 15.63 | 77   | 110      | 0.002 | ng    | # 48   |
| 71) Phenanthrene               | 17.10 | 178  | 558      | 0.006 | ng    | # 60   |
| 74) Di-n-butylphthalate        | 18.05 | 149  | 1078     | 0.012 | ng    | # 78   |
| 75) Fluoranthene               | 19.14 | 202  | 383      | 0.004 | ng    | # 65   |
| 77) Benzidine                  | 19.36 | 184  | 820      | 0.024 | ng    | # 66   |
| 78) Pyrene                     | 19.49 | 202  | 685      | 0.009 | ng    | # 58   |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 181      | 7.181 | ng    | # 82   |
| 81) Benzo(a)anthracene         | 21.24 | 228  | 4381     | 0.059 | ng    | # 80   |
| 82) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 594      | 0.021 | ng    | # 25   |
| 83) Chrysene                   | 21.29 | 228  | 1160     | 0.016 | ng    | # 72   |
| 84) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 468      | 5.318 | ng    | # 52   |
| 85) Di-n-octyl phthalate       | 22.04 | 149  | 885      | 5.582 | ng    | # 1    |
| 86) Indeno(1,2,3-cd)pyrene     | 25.70 | 276  | 114      | 0.001 | ng    | # 50   |
| 88) Benzo(b)fluoranthene       | 22.80 | 252  | 1420     | 0.024 | ng    | # 1    |
| 89) Benzo(k)fluoranthene       | 22.85 | 252  | 749      | 0.012 | ng    | # 1    |
| 90) Benzo(a)pyrene             | 23.37 | 252  | 902      | 0.016 | ng    | # 1    |
| 91) Dibenzo(a,h)anthracene     | 25.74 | 278  | 131      | 0.002 | ng    | # 1    |

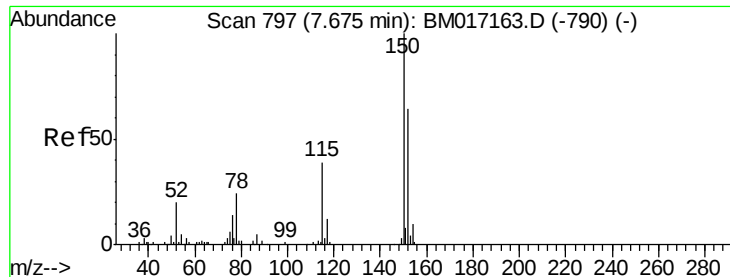
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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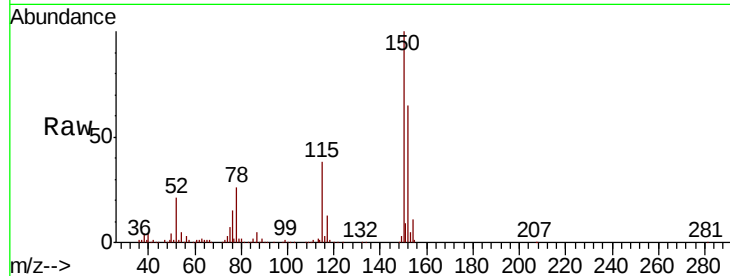


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.67 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.9 | 124.3 | 186.5 |
| 115     | 58.6  | 48.1  | 72.1  |

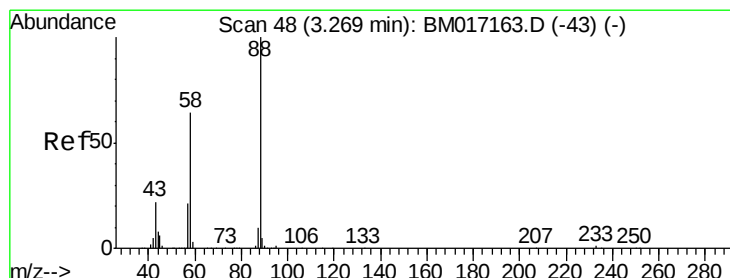
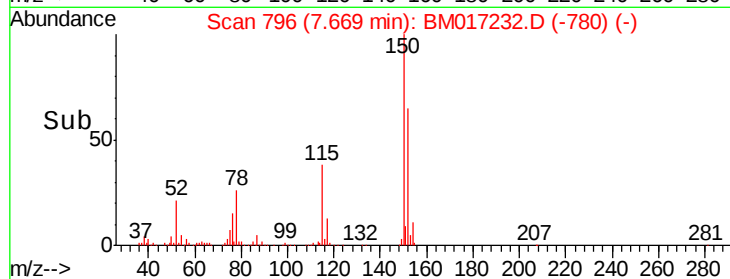
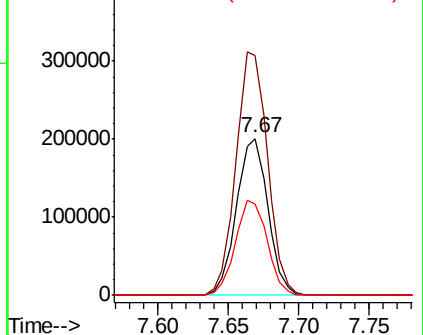


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

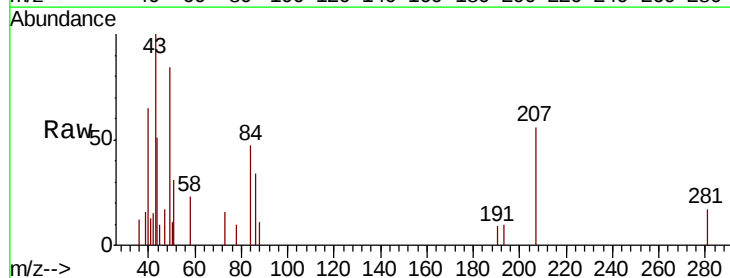
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.013 ng  
RT: 3.27 min Scan# 48  
Delta R.T. -0.00 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 88      | 100    |       |       |
| 58      | 191.3  | 50.2  | 75.4# |
| 43      | 1443.3 | 19.3  | 28.9# |

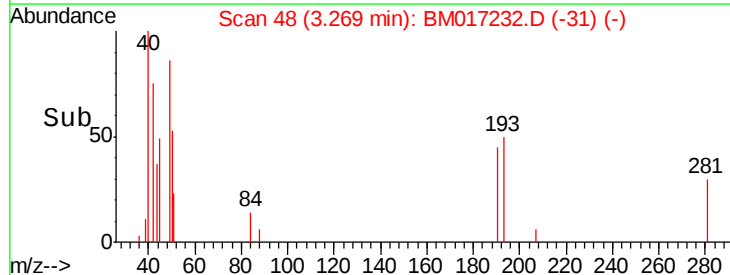
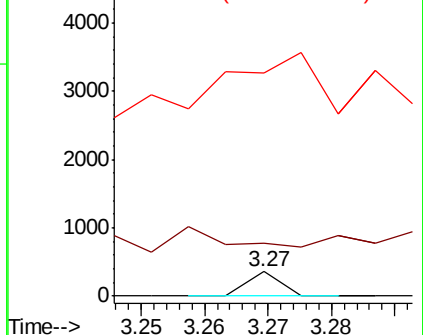


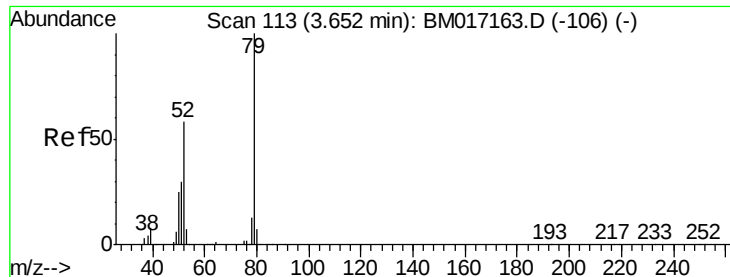
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 0.005 ng

RT: 3.60 min Scan# 104

Delta R.T. -0.05 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampled :

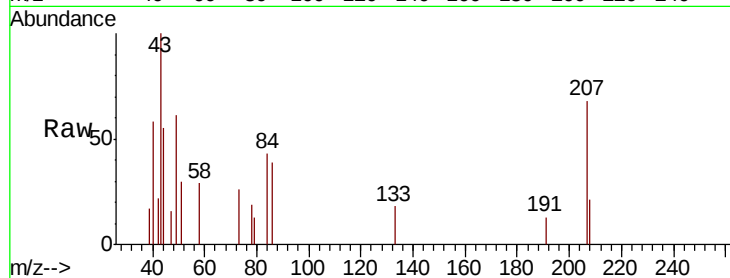
Tot Ion: 79 Resp: 110

Ion Ratio Lower Upper

79 100

52 0.0 46.5 69.7#

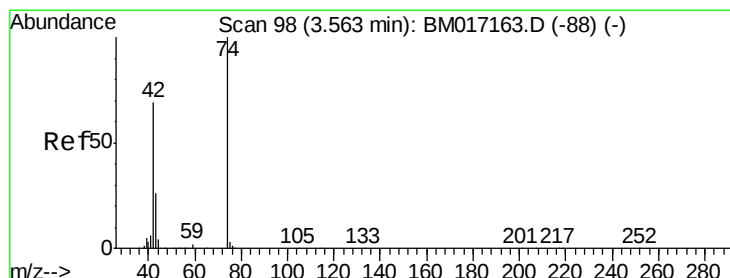
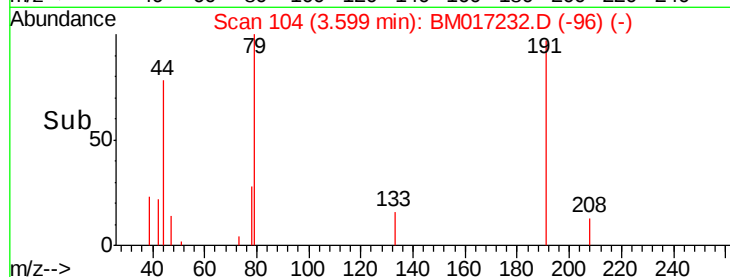
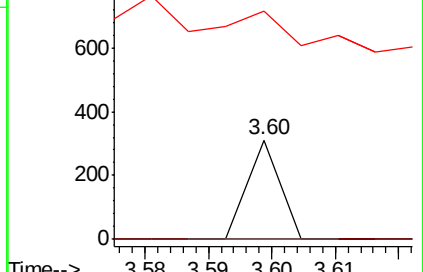
51 230.5 24.6 37.0#



Abundance Ion 79.00 (78.70 to 79.70): BM017163.D (-106) (-)

Ion 52.00 (51.70 to 52.70): BM017163.D (-106) (-)

Ion 51.00 (50.70 to 51.70): BM017163.D (-106) (-)



#4

n-Nitrosodimethylamine

Concen: 0.019 ng

RT: 3.56 min Scan# 98

Delta R.T. -0.00 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

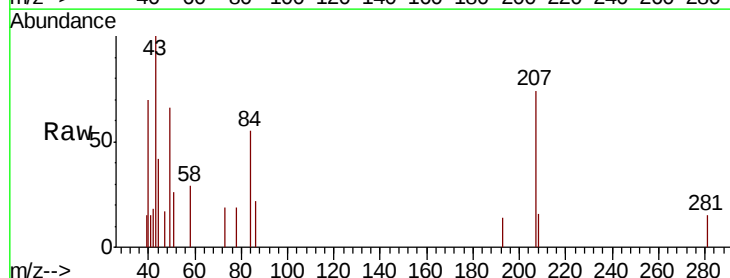
Tgt Ion: 42 Resp: 164

Ion Ratio Lower Upper

42 100

74 0.0 114.4 171.6#

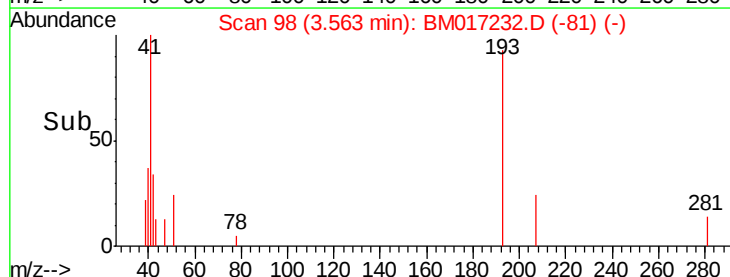
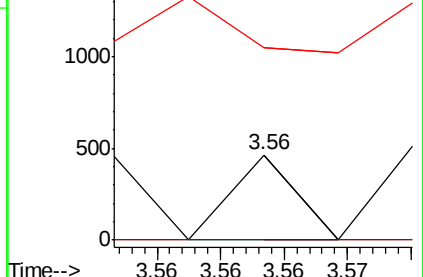
44 226.7 48.6 73.0#

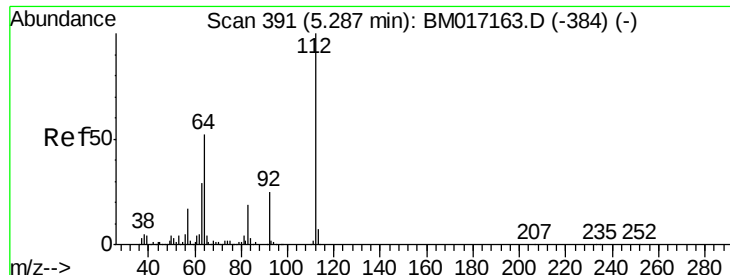


Abundance Ion 42.00 (41.70 to 42.70): BM017163.D (-88) (-)

Ion 74.00 (73.70 to 74.70): BM017163.D (-88) (-)

Ion 44.00 (43.70 to 44.70): BM017163.D (-88) (-)





#5

2-Fluorophenol

Concen: 114.613 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

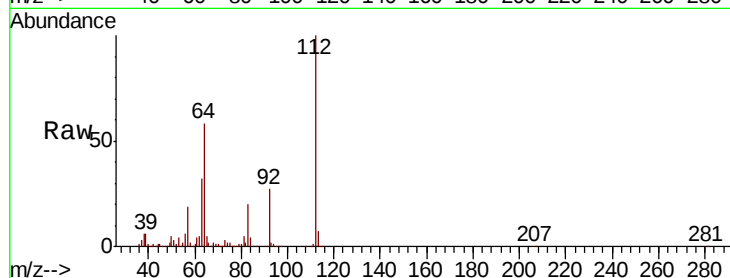
Tot Ion:112 Resp: 2122469

Ion Ratio Lower Upper

112 100

64 58.0 41.7 62.5

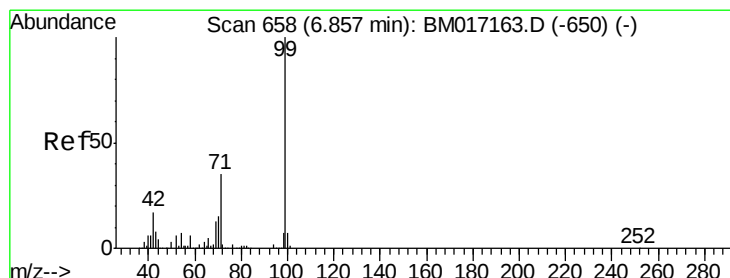
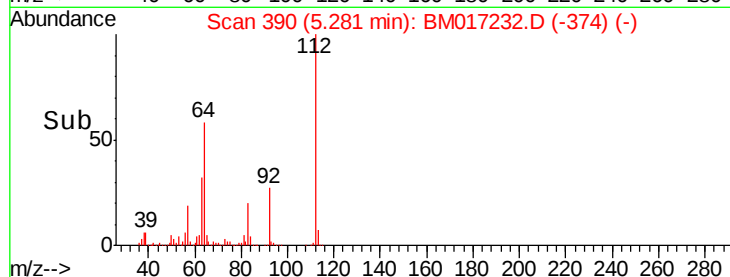
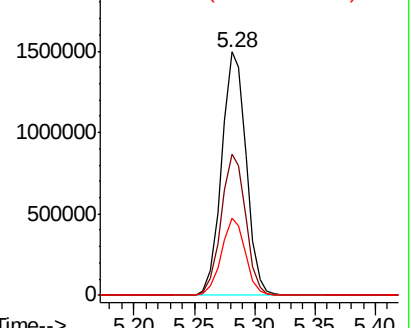
63 31.5 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 111.164 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

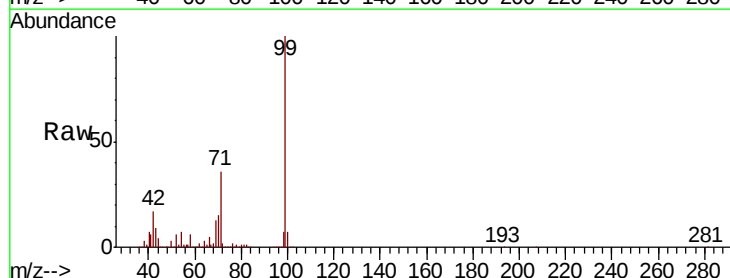
Tgt Ion: 99 Resp: 2803696

Ion Ratio Lower Upper

99 100

42 17.1 13.3 19.9

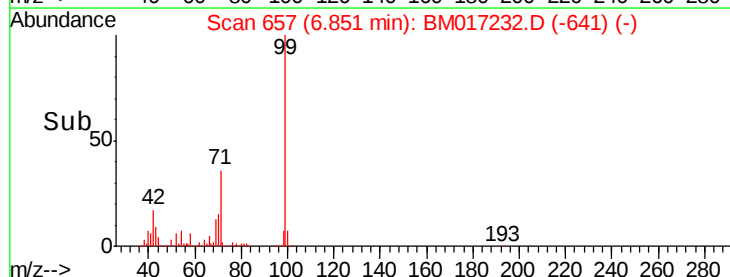
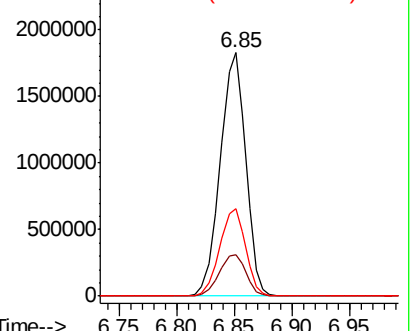
71 35.7 28.0 42.0

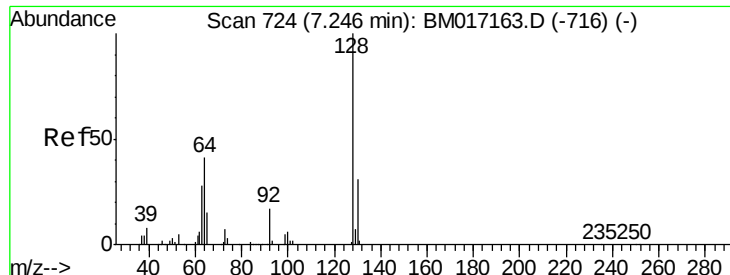


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#8

2-Chlorophenol

Concen: 0.020 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

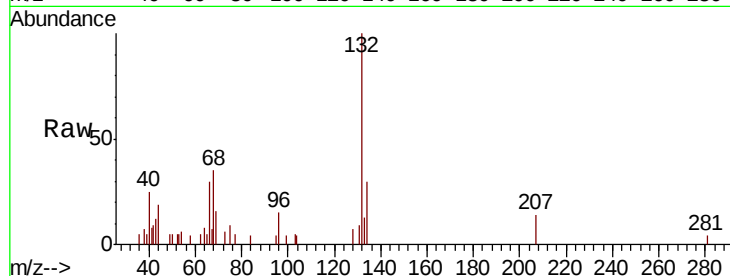
Tot Ion:128 Resp: 422

Ion Ratio Lower Upper

128 100

130 0.0 11.0 51.0#

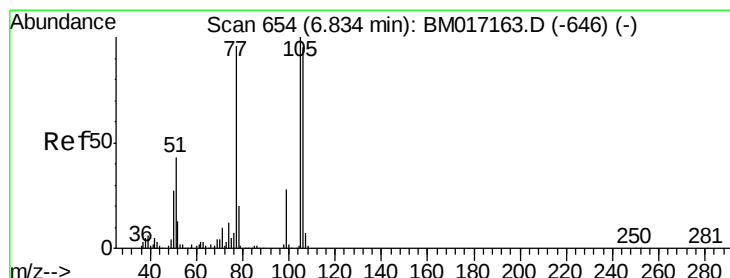
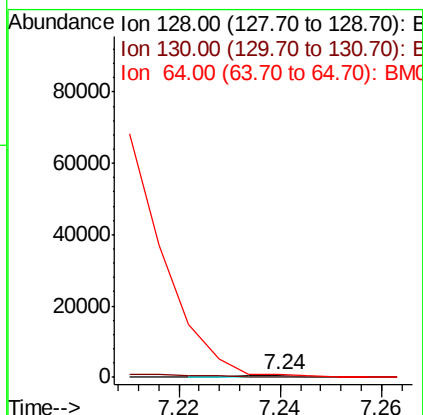
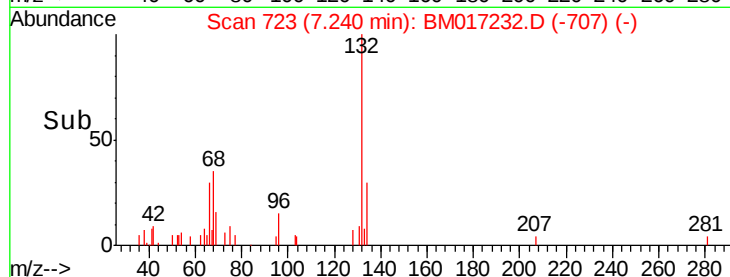
64 113.2 24.1 64.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 0.359 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

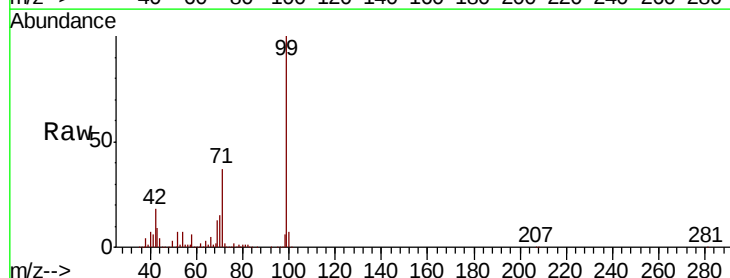
Tgt Ion: 77 Resp: 5770

Ion Ratio Lower Upper

77 100

105 0.0 83.9 123.9#

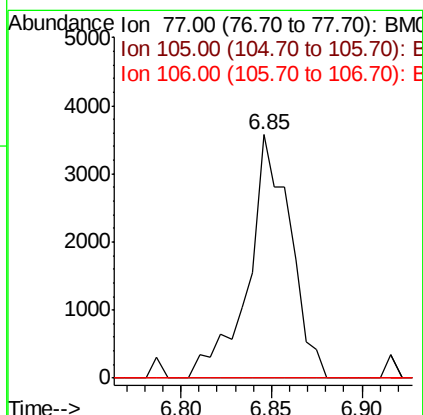
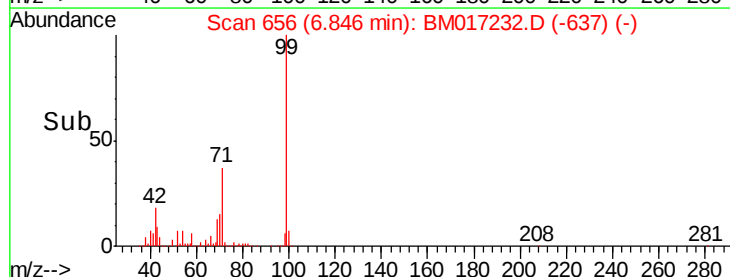
106 0.0 78.2 118.2#

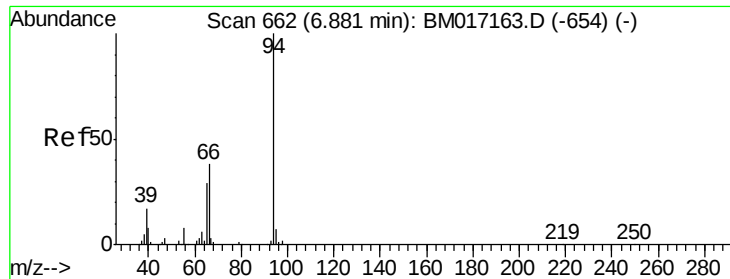


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.009 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.03 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

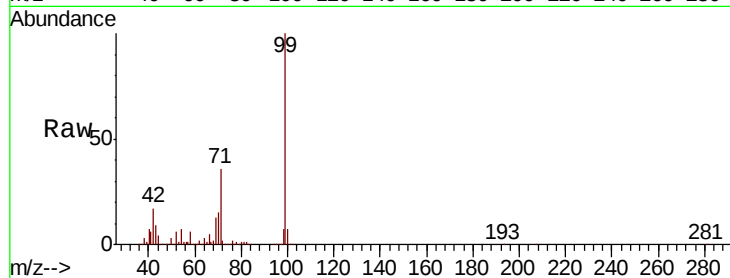
Tot Ion: 94 Resp: 241

Ion Ratio Lower Upper

94 100

65 4822.7 9.4 49.4#

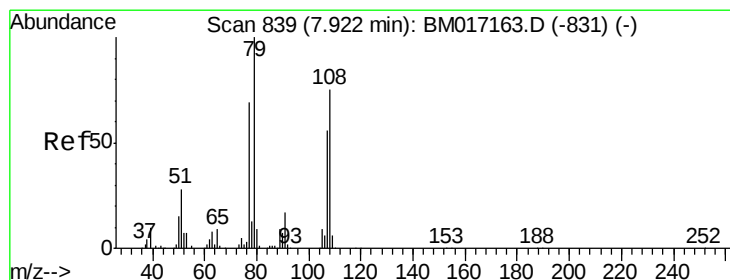
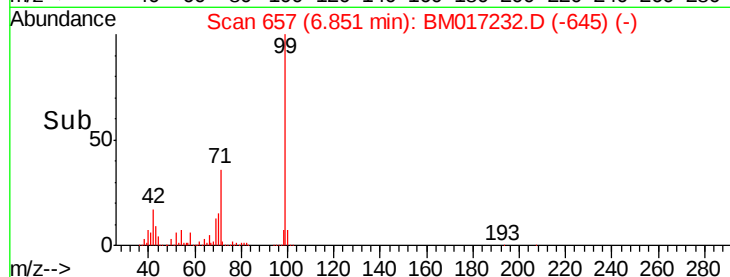
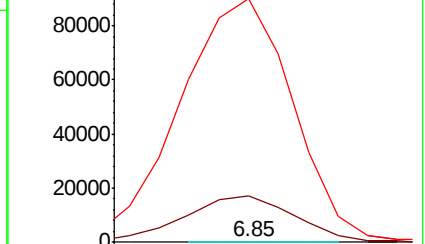
66 25477.6 19.0 59.0#



Abundance Ion 94.00 (93.70 to 94.70): BM017163.D (-654) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-654) (-)

Ion 66.00 (65.70 to 66.70): BM017163.D (-654) (-)



#15

Benzyl Alcohol

Concen: 1.460 ng

RT: 7.99 min Scan# 850

Delta R.T. 0.06 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

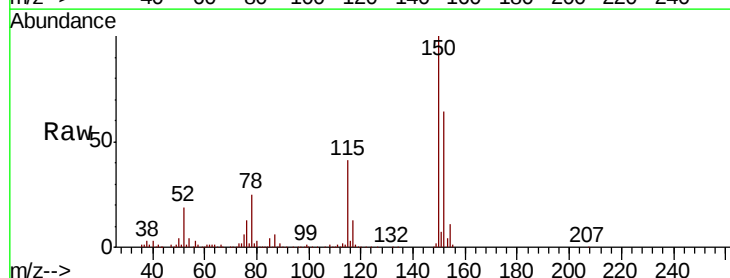
Tgt Ion: 79 Resp: 26918

Ion Ratio Lower Upper

79 100

108 32.2 60.3 90.5#

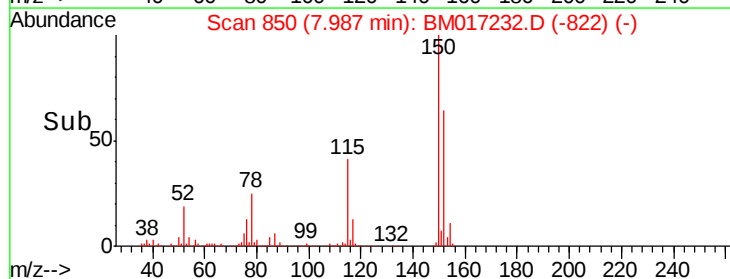
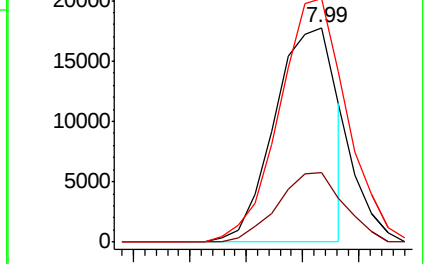
77 113.7 54.8 82.2#

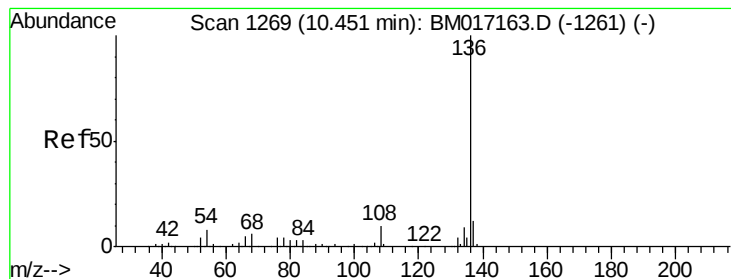


Abundance Ion 79.00 (78.70 to 79.70): BM017163.D (-831) (-)

Ion 108.00 (107.70 to 108.70): BM017163.D (-831) (-)

Ion 77.00 (76.70 to 77.70): BM017163.D (-831) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:136 Resp: 1242535

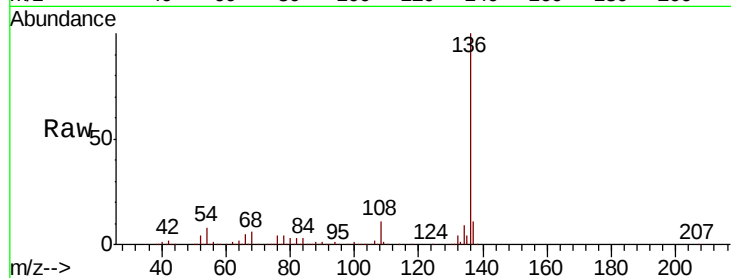
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 7.8 6.7 10.1

68 5.5 4.7 7.1

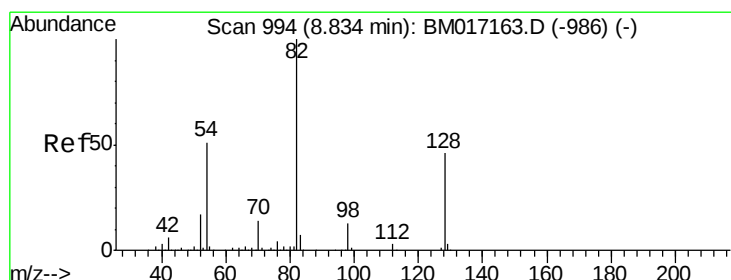
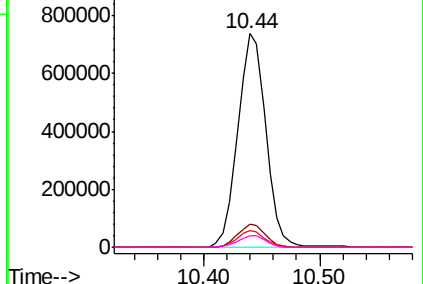
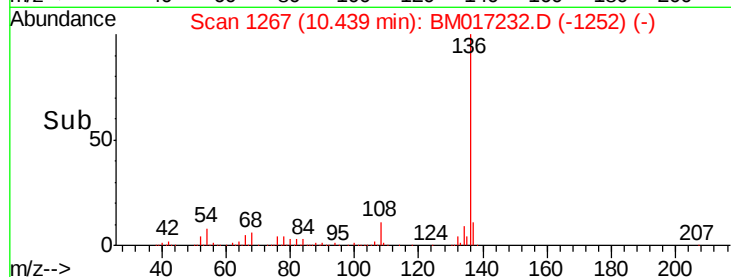


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 78.971 ng

RT: 8.82 min Scan# 992

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

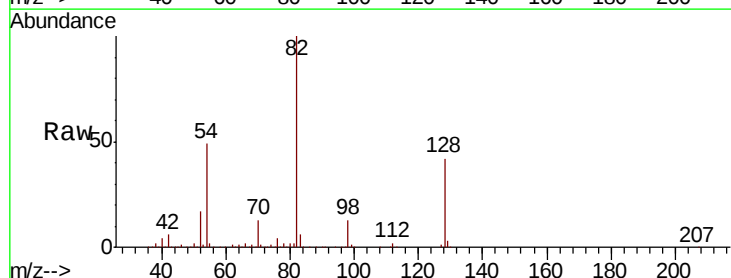
Tgt Ion: 82 Resp: 1677750

Ion Ratio Lower Upper

82 100

128 42.3 37.0 55.6

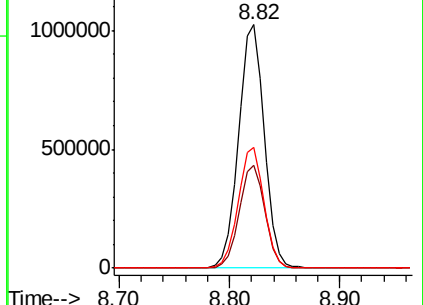
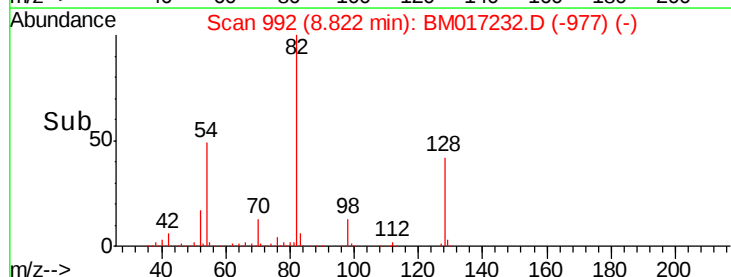
54 49.3 40.7 61.1

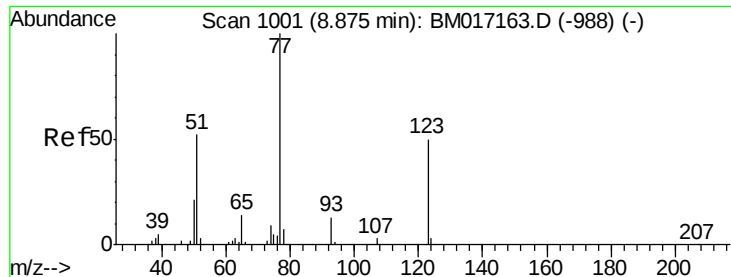


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

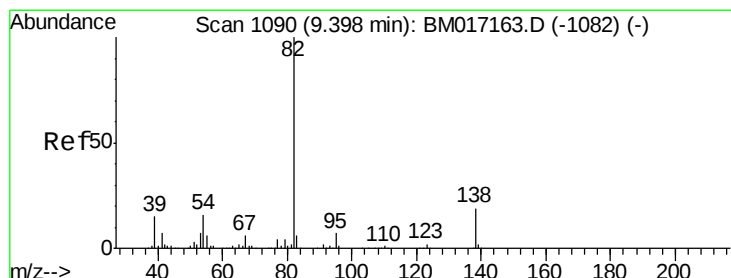
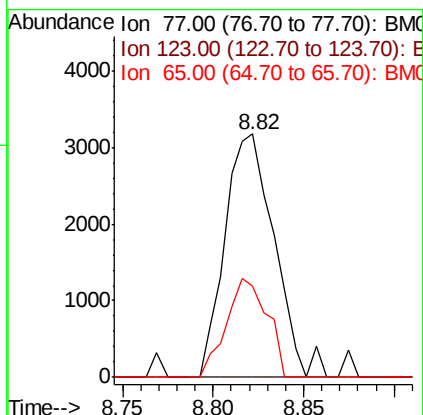
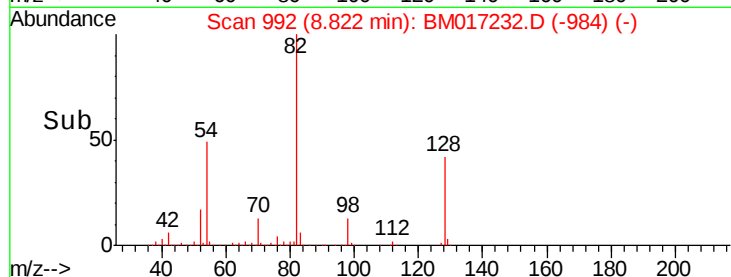
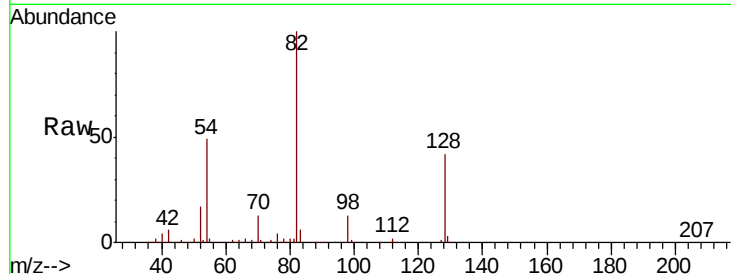




#24  
Nitrobenzene  
Concen: 0.268 ng  
RT: 8.82 min Scan# 992  
Delta R.T. -0.05 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

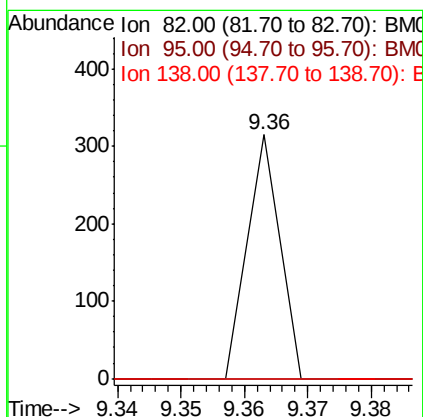
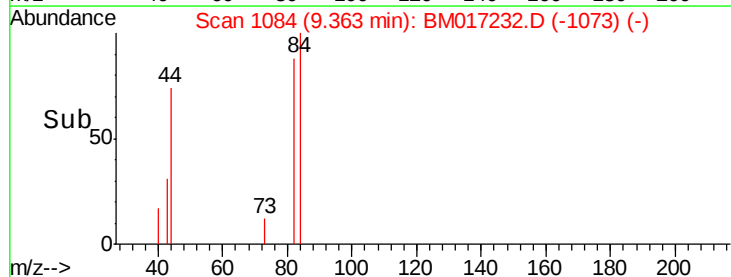
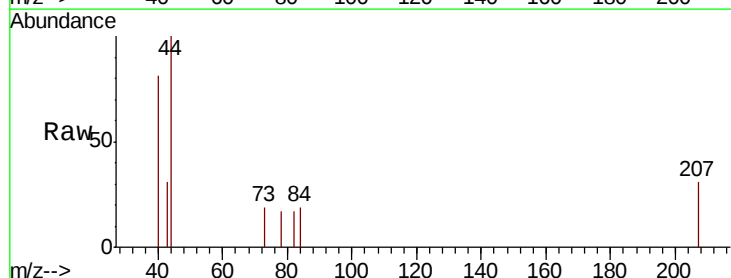
Instrument :  
BNA\_M  
ClientSampleId :

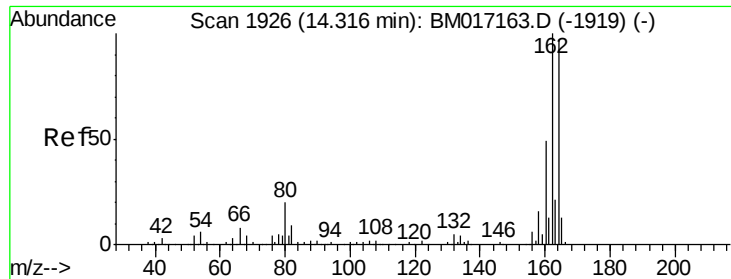
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 0.0   | 40.2  | 60.4# |
| 65      | 37.5  | 11.4  | 17.0# |



#25  
Isophorone  
Concen: 0.003 ng  
RT: 9.36 min Scan# 1084  
Delta R.T. -0.04 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 6.0   | 9.0#  |
| 138     | 0.0   | 15.4  | 23.2# |

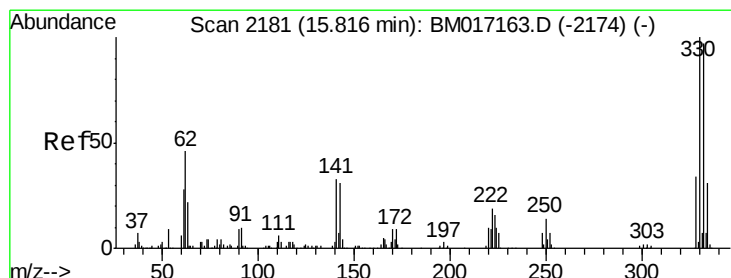
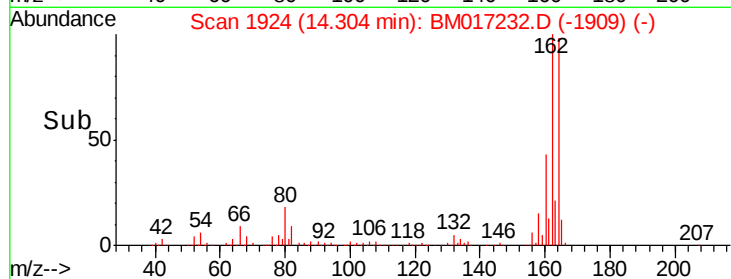
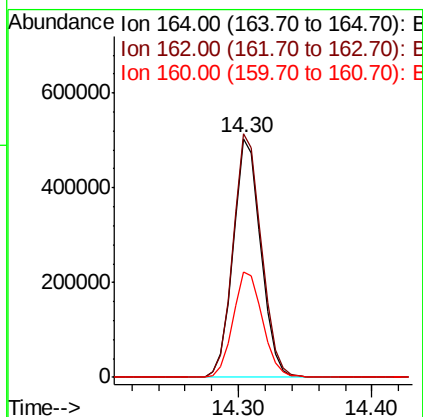
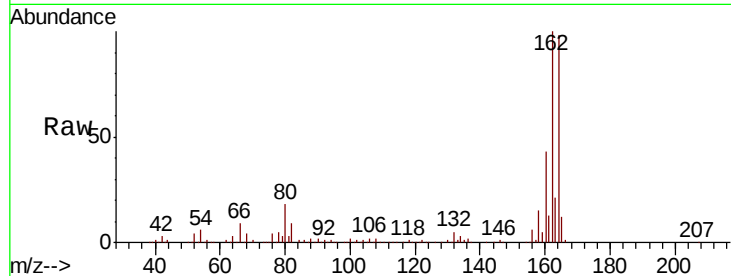




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.30 min Scan# 1924  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

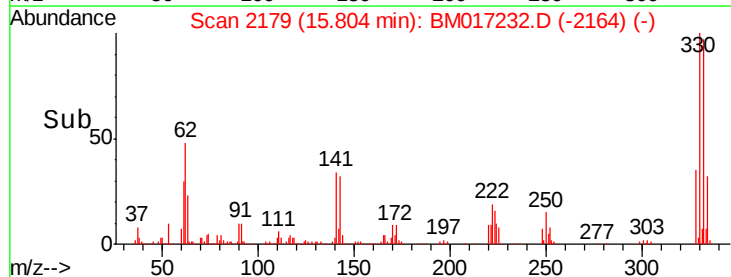
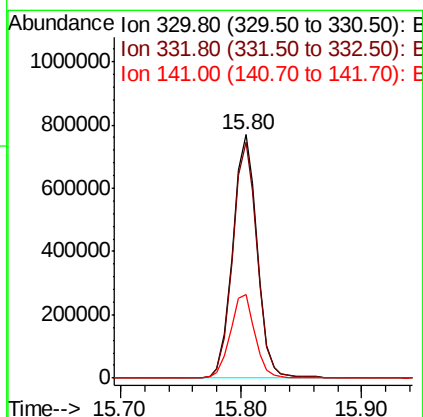
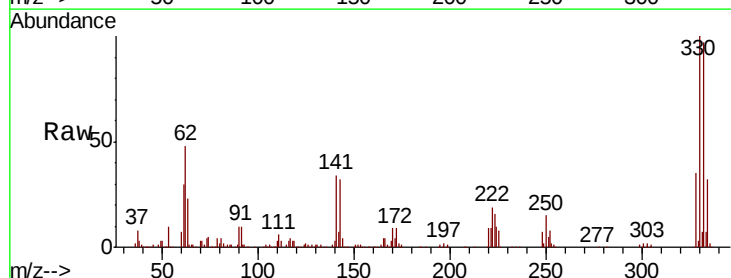
Instrument :  
BNA\_M  
ClientSampleId :

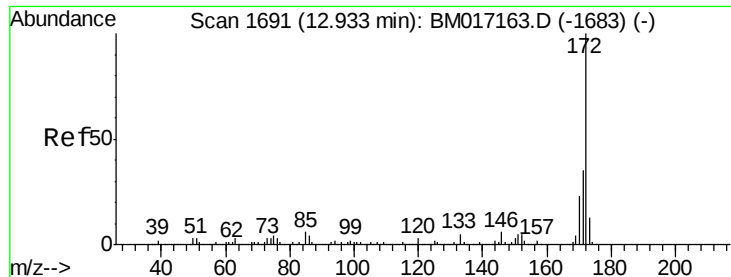
Tot Ion:164 Resp: 727876  
Ion Ratio Lower Upper  
164 100  
162 101.9 82.1 123.1  
160 44.2 40.2 60.2



#42  
2,4,6-Tribromophenol  
Concen: 110.011 ng  
RT: 15.80 min Scan# 2179  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Tgt Ion:330 Resp: 1082884  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.3 115.9  
141 34.6 27.4 41.0

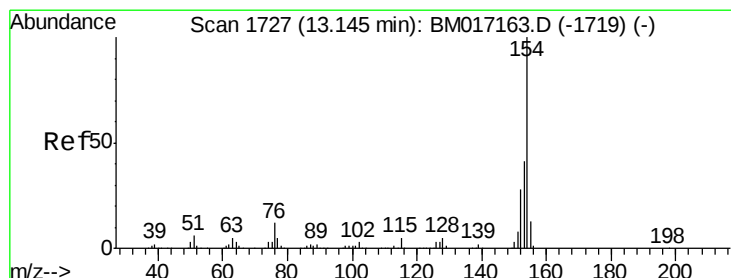
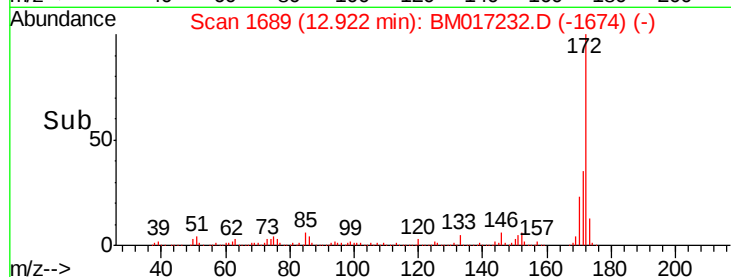
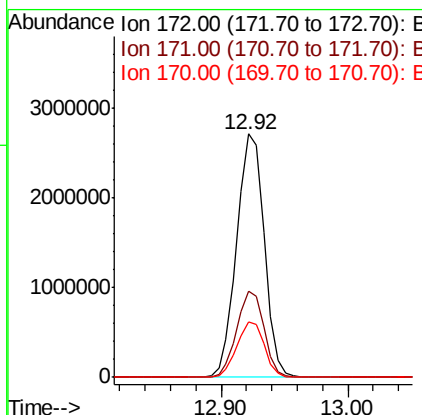
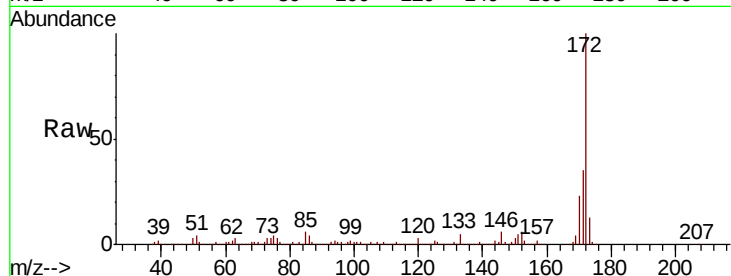




#45  
2-Fluorobiphenyl  
Concen: 74.567 ng  
RT: 12.92 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

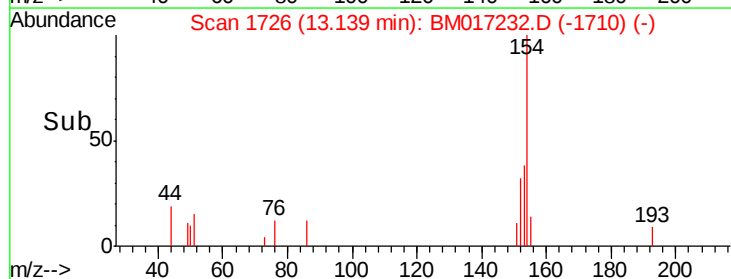
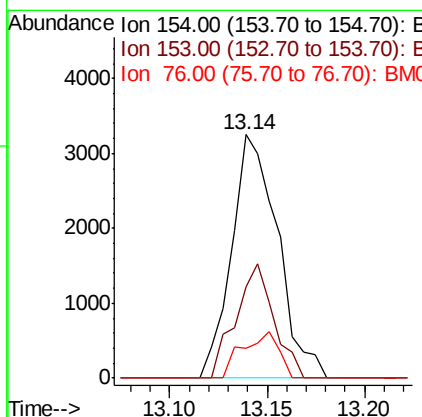
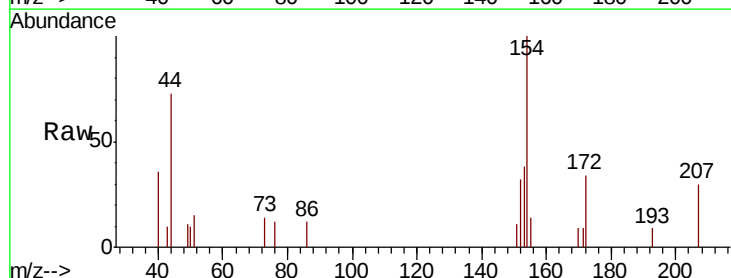
Instrument :  
BNA\_M  
ClientSampleId :

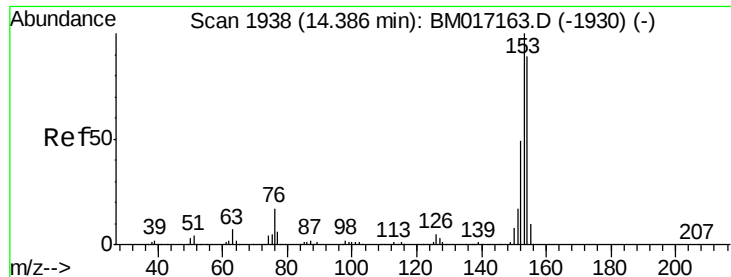
Tot Ion:172 Resp: 4079206  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.3 42.5  
170 22.8 18.3 27.5



#46  
1,1'-Biphenyl  
Concen: 0.081 ng  
RT: 13.14 min Scan# 1726  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Tgt Ion:154 Resp: 5291  
Ion Ratio Lower Upper  
154 100  
153 37.6 20.5 60.5  
76 12.1 0.0 31.8





#52

Acenaphthene

Concen: 0.060 ng

RT: 14.30 min Scan# 1924

Delta R.T. -0.08 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

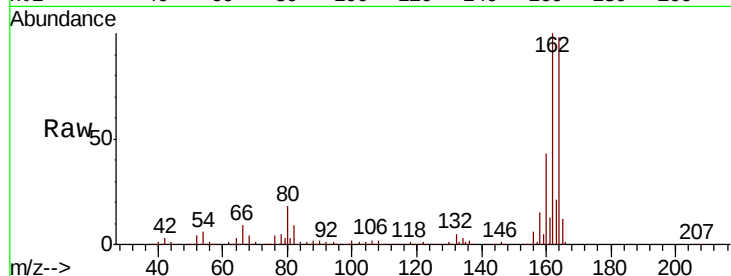
Tot Ion:154 Resp: 2621

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.2#

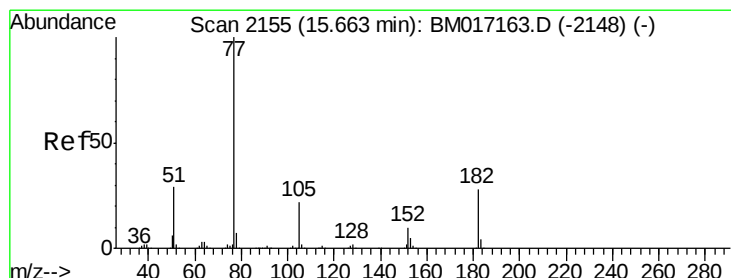
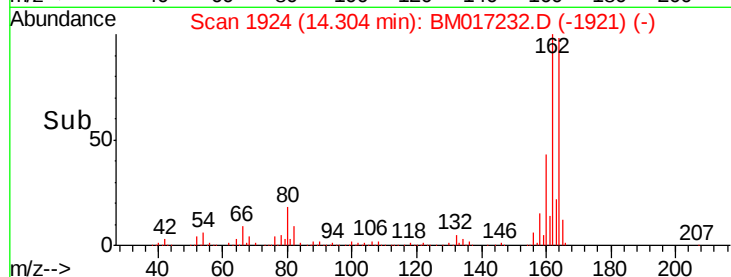
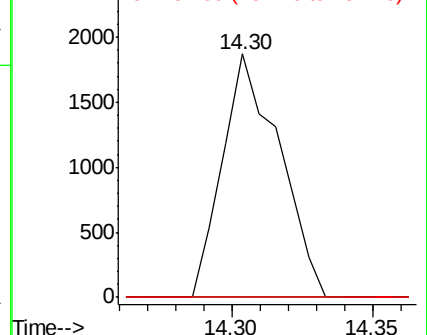
152 0.0 44.2 66.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Azobenzene

Concen: 0.002 ng

RT: 15.63 min Scan# 2149

Delta R.T. -0.04 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Tgt Ion: 77 Resp: 110

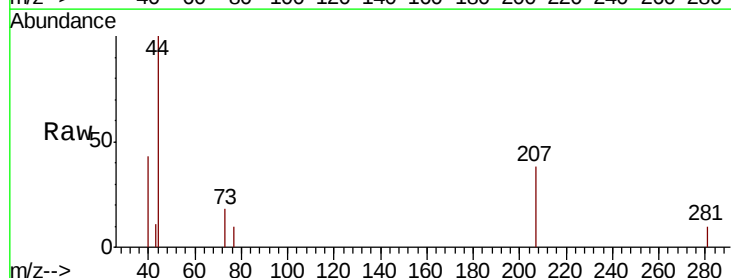
Ion Ratio Lower Upper

77 100

182 0.0 8.3 48.3#

105 0.0 1.5 41.5#

51 0.0 8.8 48.8#

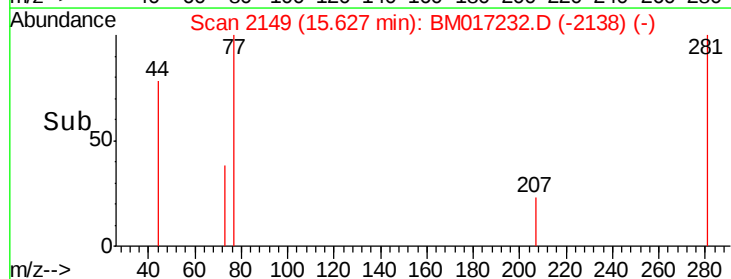
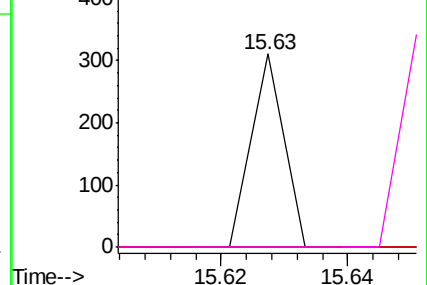


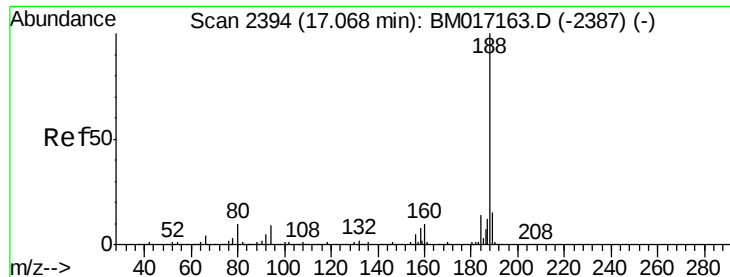
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0

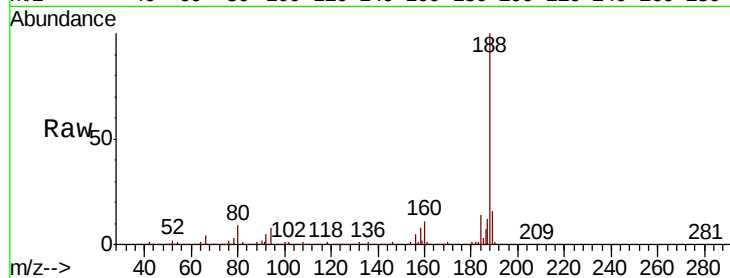




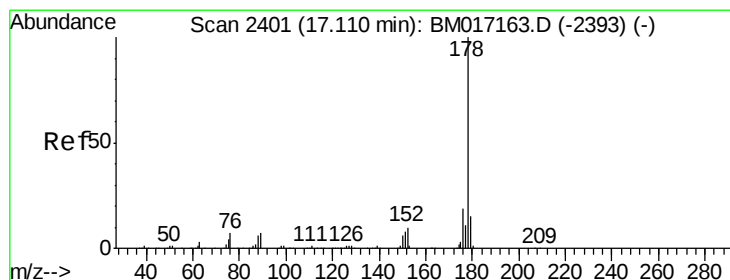
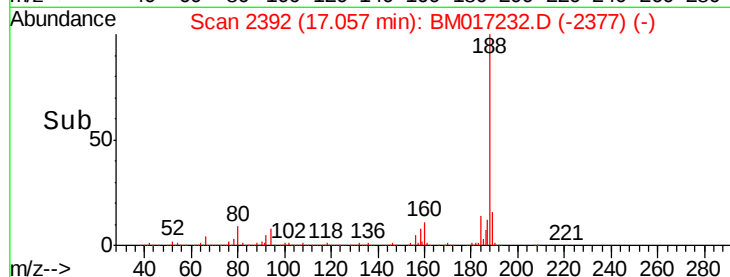
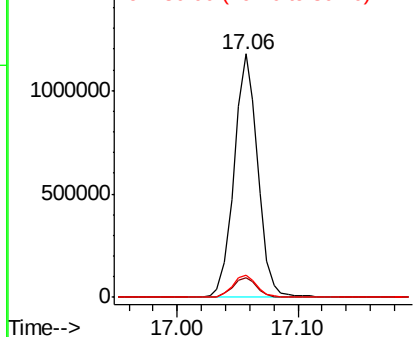
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.06 min Scan# 2392  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:188 Resp: 1602822  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.0 10.4  
80 9.2 7.7 11.5

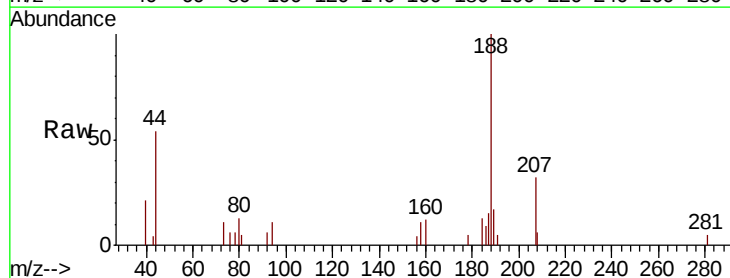


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

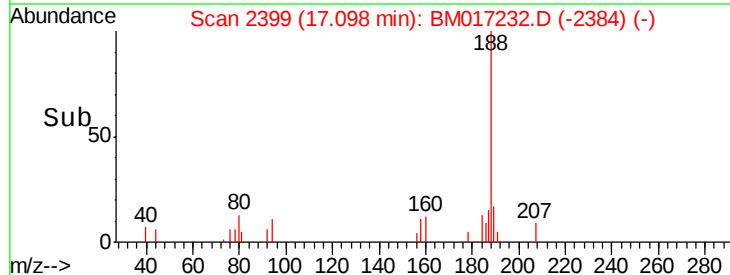
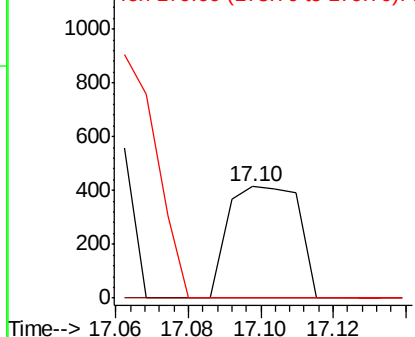


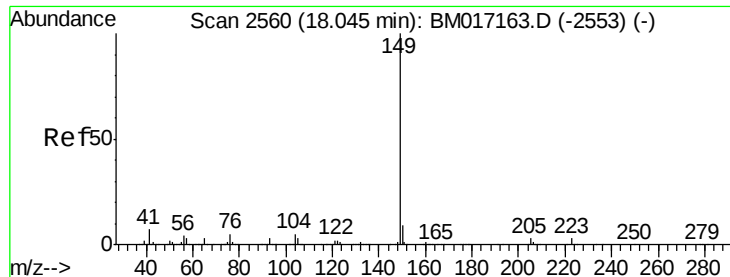
#71  
Phenanthrene  
Concen: 0.006 ng  
RT: 17.10 min Scan# 2399  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Tgt Ion:178 Resp: 558  
Ion Ratio Lower Upper  
178 100  
176 0.0 15.0 22.6#  
179 0.0 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

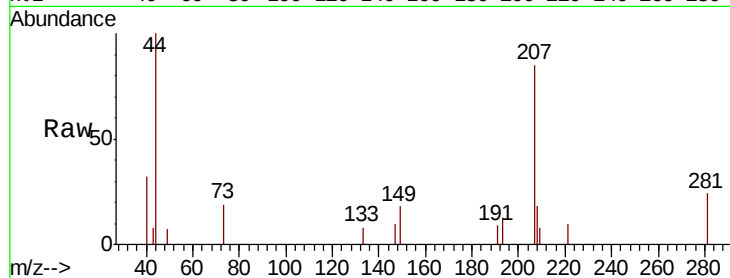




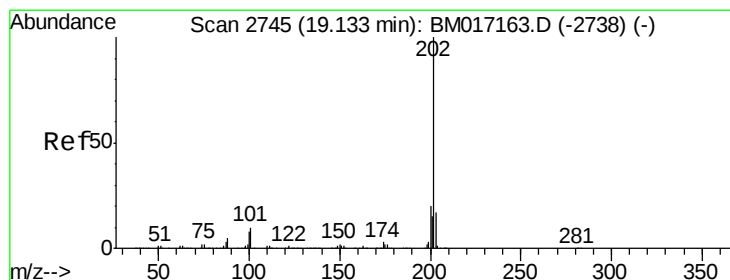
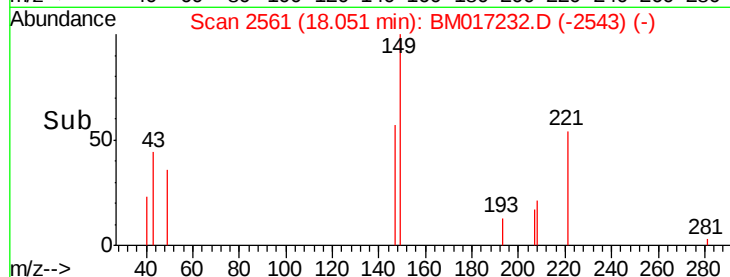
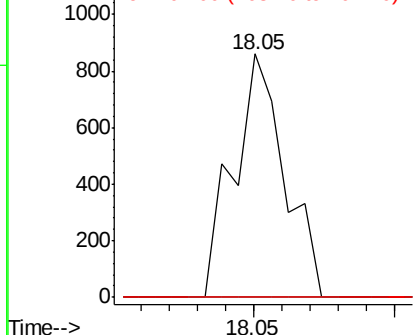
#74  
Di-n-butylphthalate  
Concen: 0.012 ng  
RT: 18.05 min Scan# 2561  
Delta R.T. 0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Instrument :  
BNA\_M  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 0.0   | 7.4   | 11.0# |
| 104     | 0.0   | 4.3   | 6.5#  |

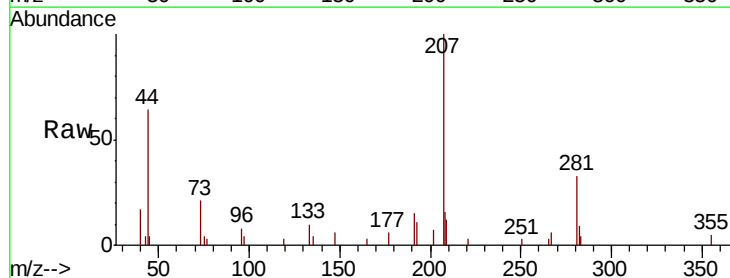


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E

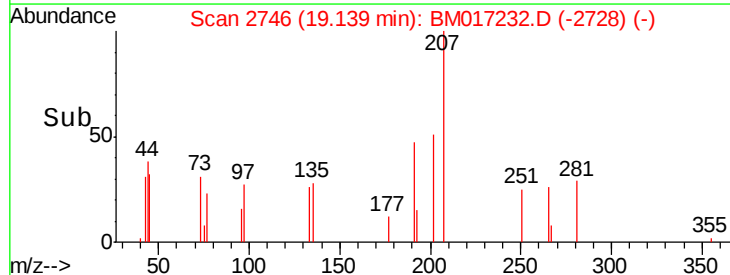
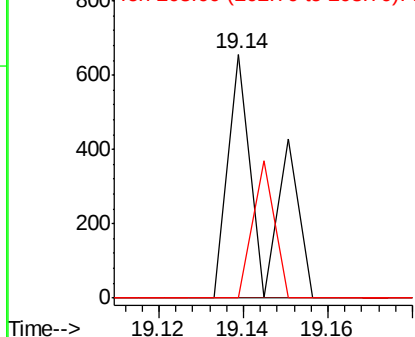


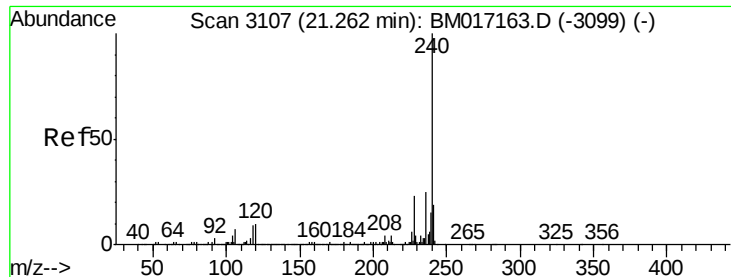
#75  
Fluoranthene  
Concen: 0.004 ng  
RT: 19.14 min Scan# 2746  
Delta R.T. 0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 0.0   | 0.0   | 30.0  |
| 203     | 0.0   | 0.0   | 37.2  |



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

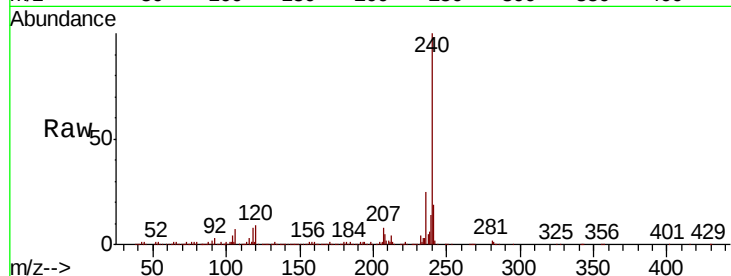




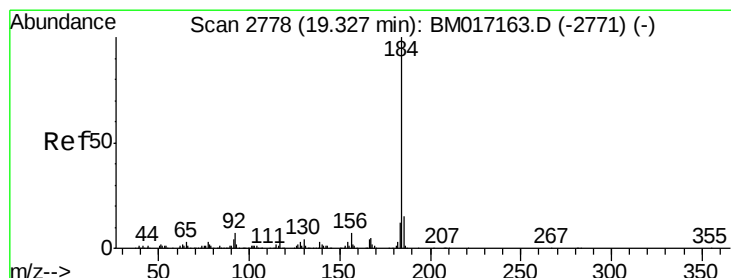
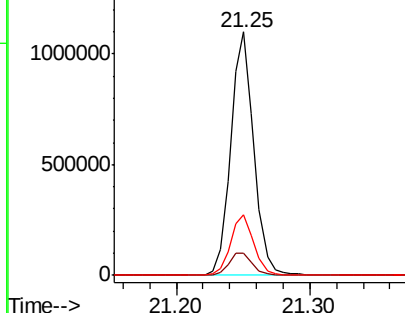
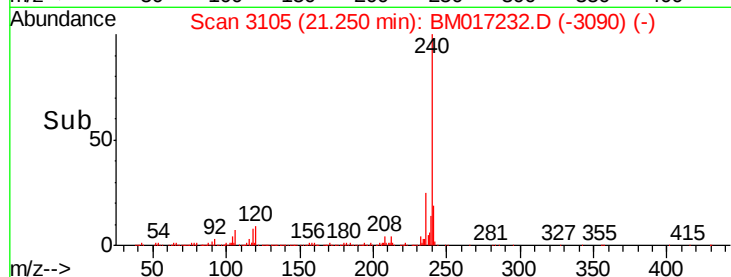
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.25 min Scan# 3105  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:240 Resp: 1327800  
Ion Ratio Lower Upper  
240 100  
120 9.0 8.1 12.1  
236 25.1 19.9 29.9

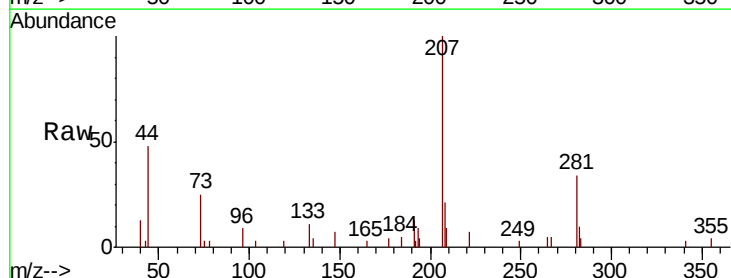


Abundance Ion 240.00 (239.70 to 240.70): E  
1500000 Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

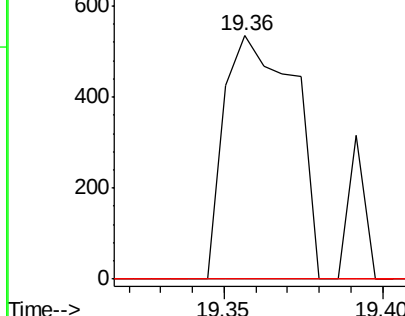
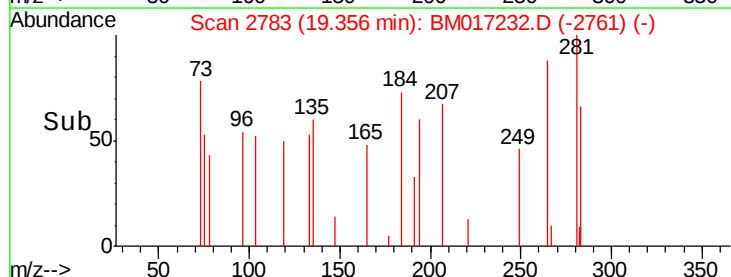


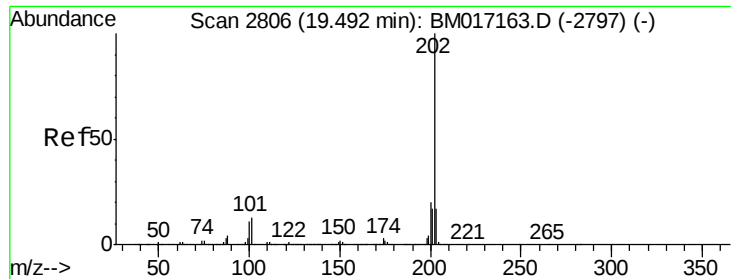
#77  
Benzidine  
Concen: 0.024 ng  
RT: 19.36 min Scan# 2783  
Delta R.T. 0.03 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Tgt Ion:184 Resp: 820  
Ion Ratio Lower Upper  
184 100  
185 0.0 11.8 17.8#  
183 0.0 9.7 14.5#



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E

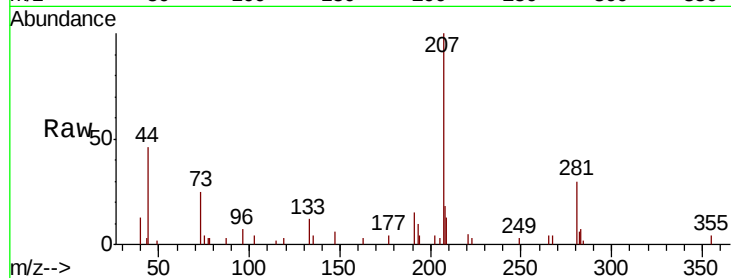




#78  
Pvrene  
Concen: 0.009 ng  
RT: 19.49 min Scan# 2806  
Delta R.T. -0.00 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 0.0   | 16.3  | 24.5# |
| 203     | 0.0   | 13.9  | 20.9# |

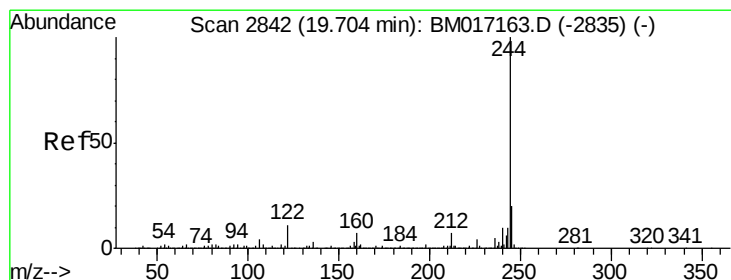
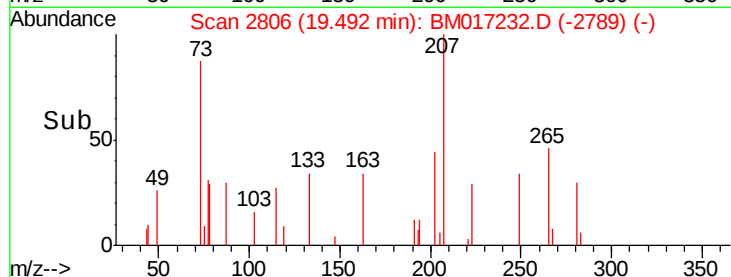
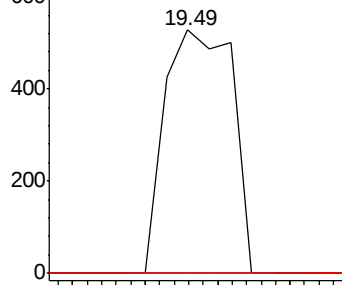


Abundance

Ion 202.00 (201.70 to 202.70): E

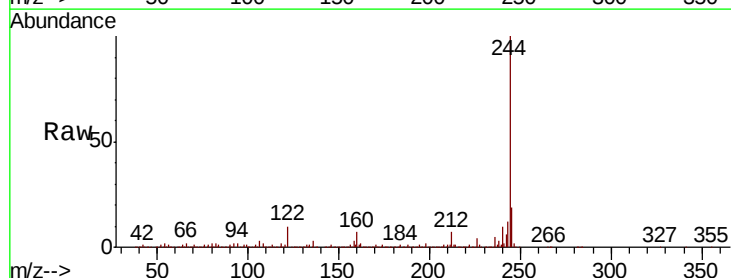
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79  
Terphenyl-d14  
Concen: 88.967 ng  
RT: 19.70 min Scan# 2841  
Delta R.T. -0.01 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.5   | 8.3   |
| 122     | 9.6   | 8.4   | 12.6  |

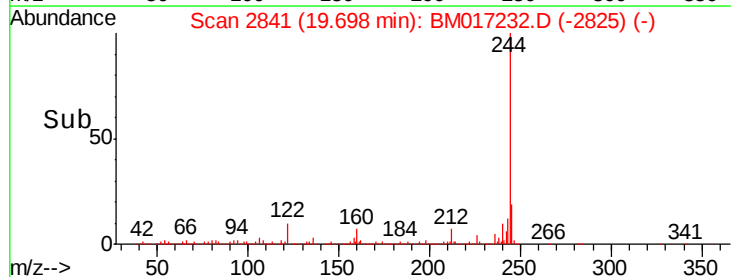
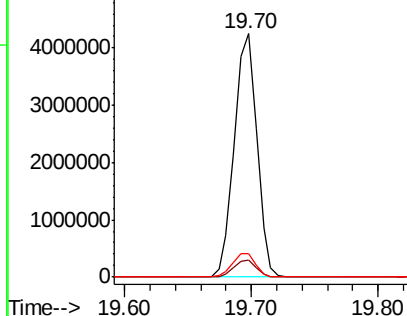


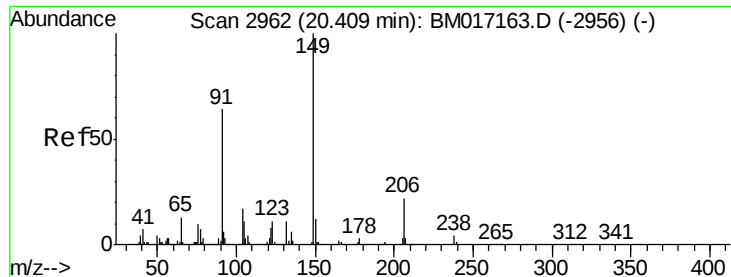
Abundance

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

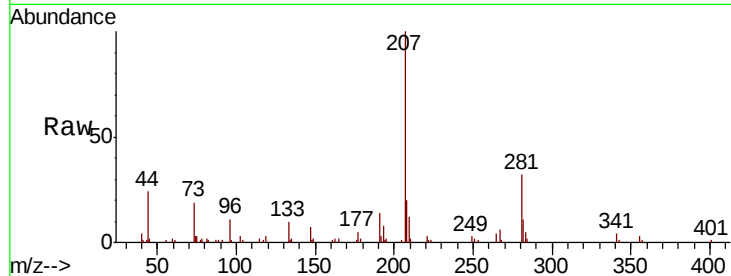




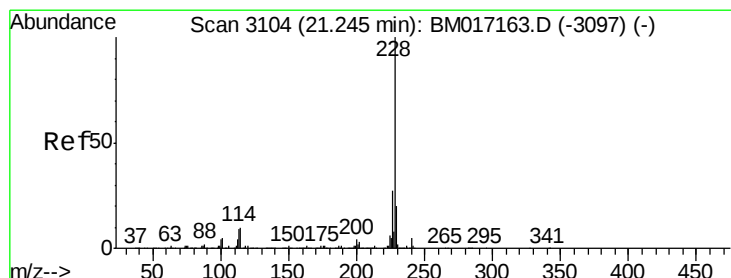
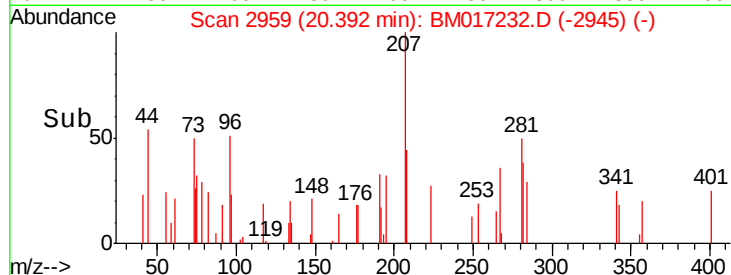
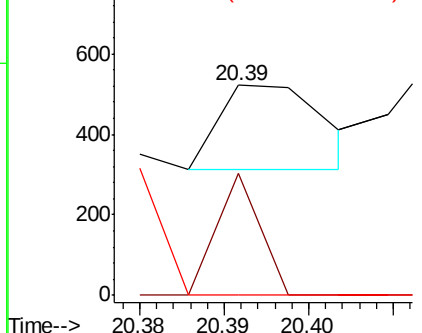
#80  
Butylbenzylphthalate  
Concen: 7.181 ng  
RT: 20.39 min Scan# 2959  
Delta R.T. -0.02 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:149 Resp: 181  
Ion Ratio Lower Upper  
149 100  
91 58.2 51.3 76.9  
206 0.0 18.0 27.0#

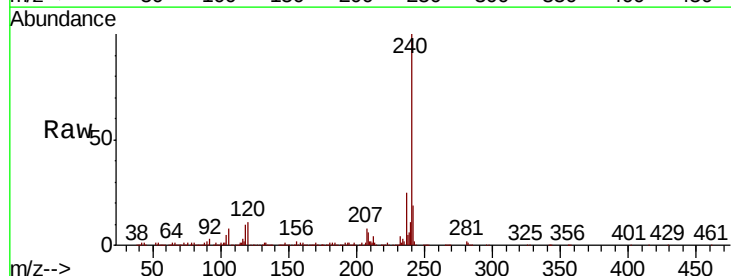


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM0  
Ion 206.00 (205.70 to 206.70): E

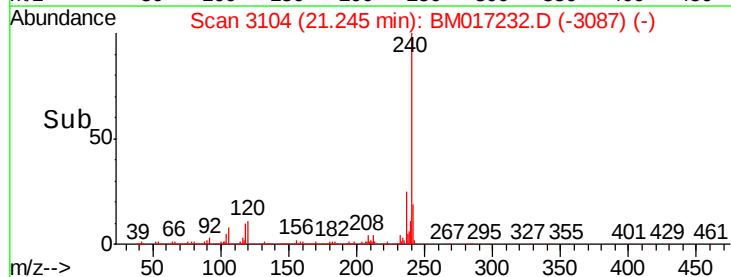
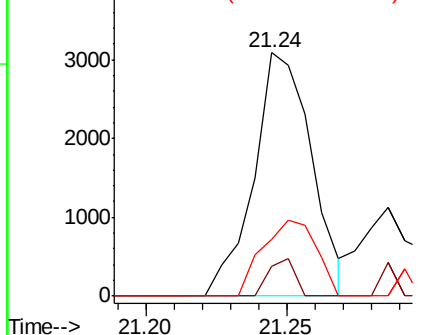


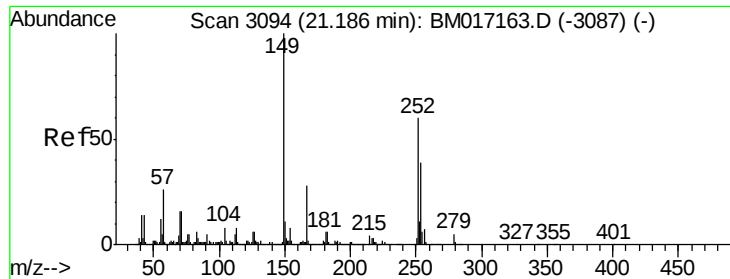
#81  
Benzo(a)anthracene  
Concen: 0.059 ng  
RT: 21.24 min Scan# 3104  
Delta R.T. -0.00 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Tgt Ion:228 Resp: 4381  
Ion Ratio Lower Upper  
228 100  
226 12.0 21.4 32.0#  
229 23.3 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

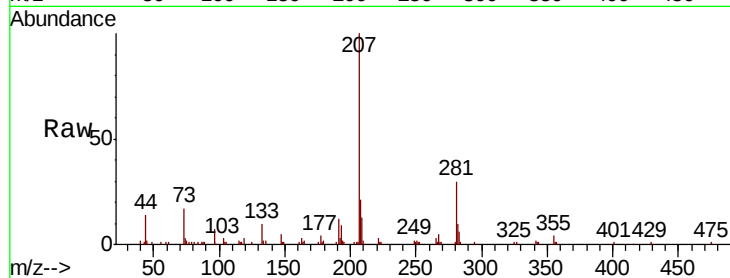




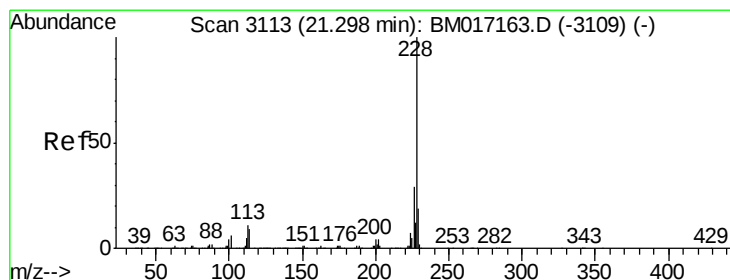
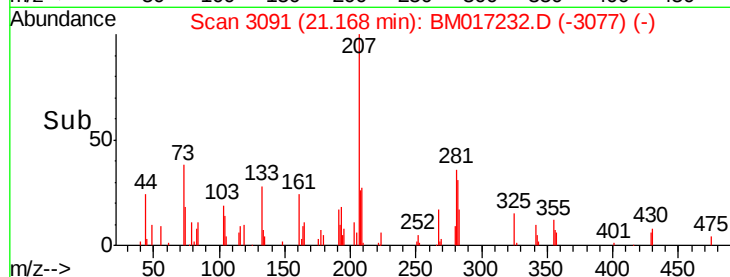
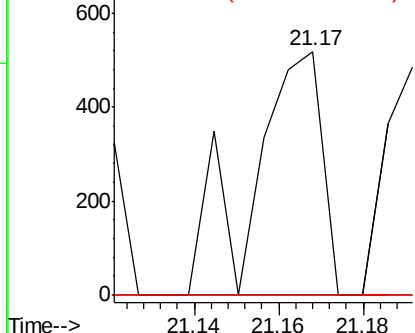
#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.021 ng  
 RT: 21.17 min Scan# 3091  
 Delta R.T. -0.02 min  
 Lab File: BM017232.D  
 Acq: 19 Oct 2018 16:27

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:252 Resp: 594  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 52.1 78.1#  
 126 0.0 8.6 12.8#

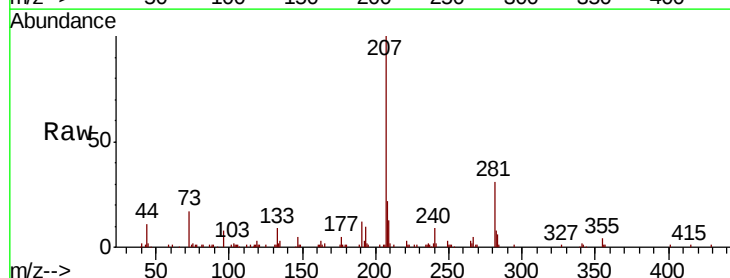


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

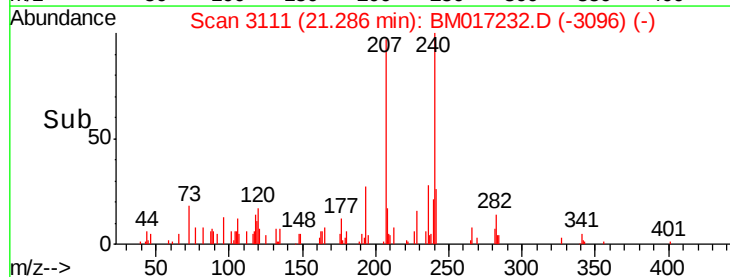
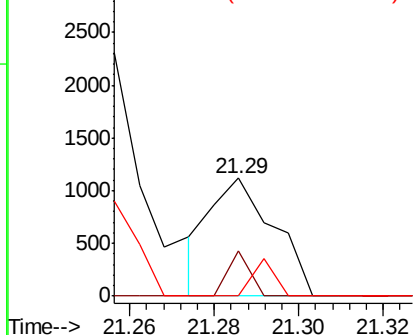


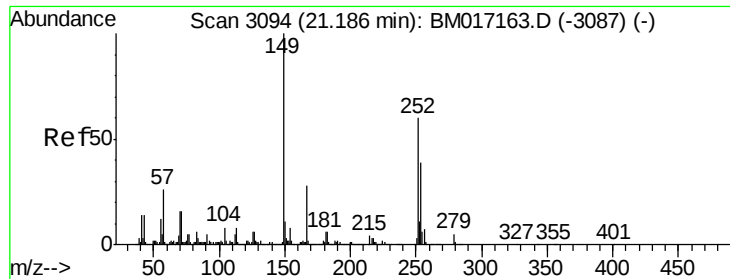
#83  
 Chrysene  
 Concen: 0.016 ng  
 RT: 21.29 min Scan# 3111  
 Delta R.T. -0.01 min  
 Lab File: BM017232.D  
 Acq: 19 Oct 2018 16:27

Tgt Ion:228 Resp: 1160  
 Ion Ratio Lower Upper  
 228 100  
 226 38.7 23.3 34.9#  
 229 0.0 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.318 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

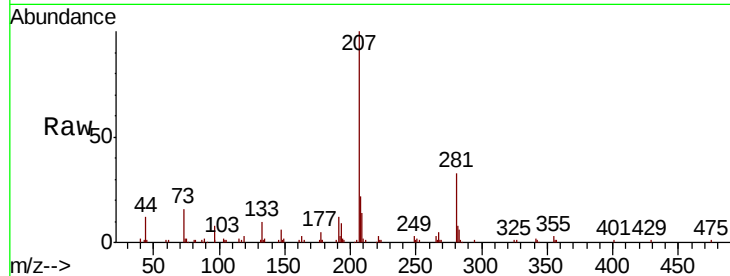
Tot Ion:149 Resp: 468

Ion Ratio Lower Upper

149 100

167 0.0 22.2 33.4#

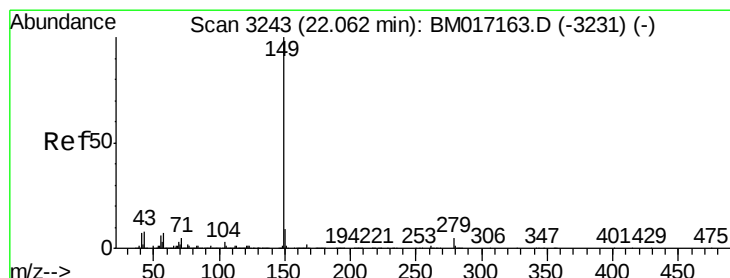
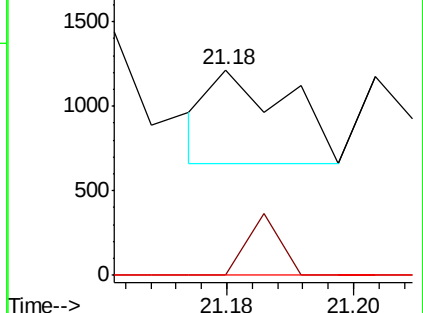
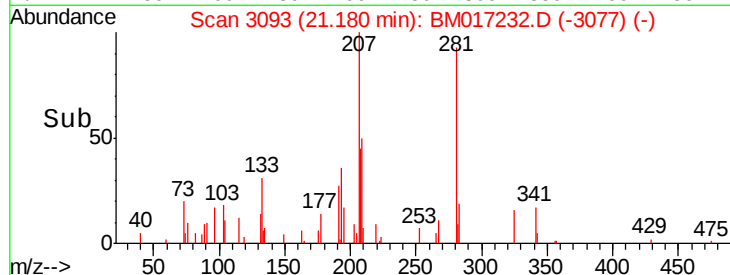
279 0.0 3.6 5.4#



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: 5.582 ng

RT: 22.04 min Scan# 3239

Delta R.T. -0.02 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

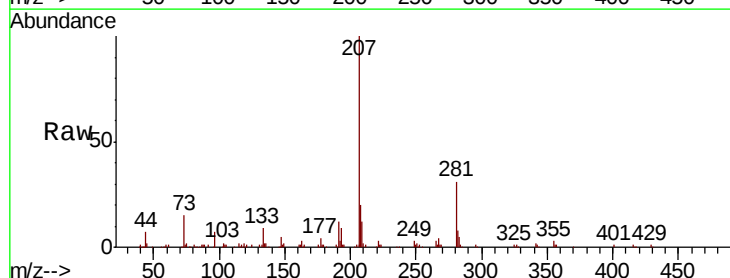
Tgt Ion:149 Resp: 885

Ion Ratio Lower Upper

149 100

167 37.9 1.4 2.0#

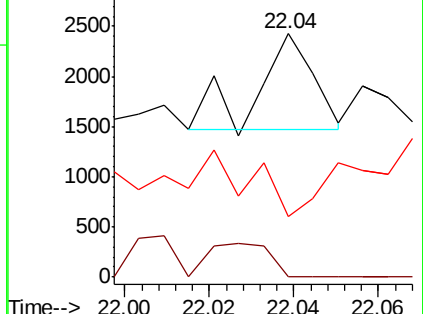
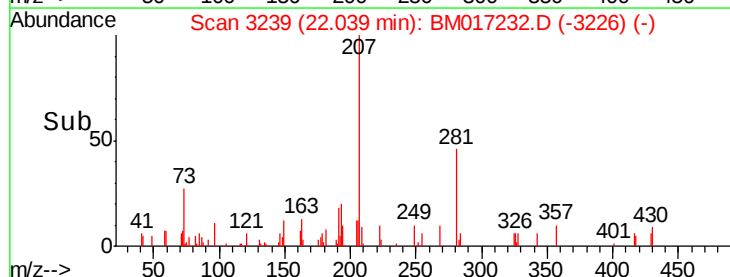
43 114.8 7.2 10.8#

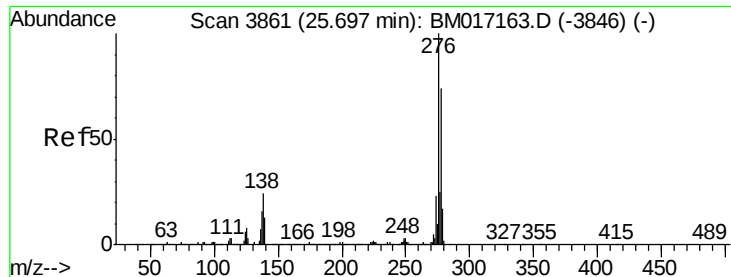


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

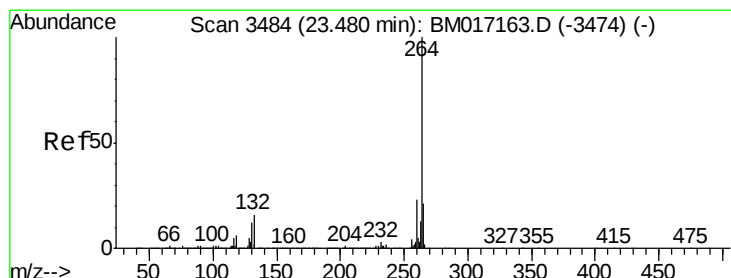
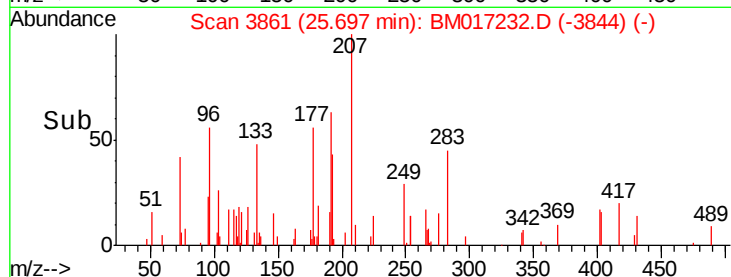
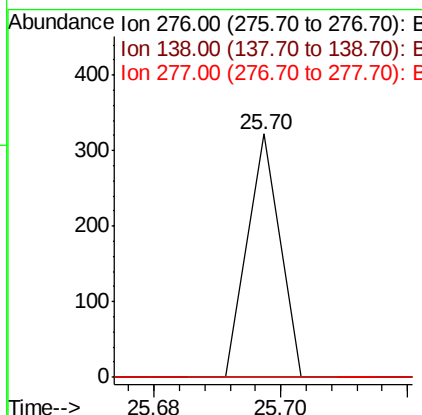
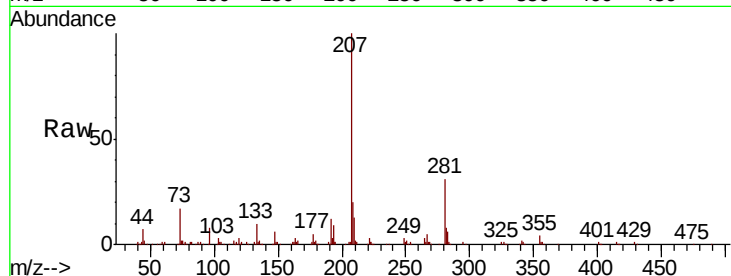




#86  
Indeno(1,2,3-cd)pyrene  
Concen: 0.001 ng  
RT: 25.70 min Scan# 3861  
Delta R.T. -0.00 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

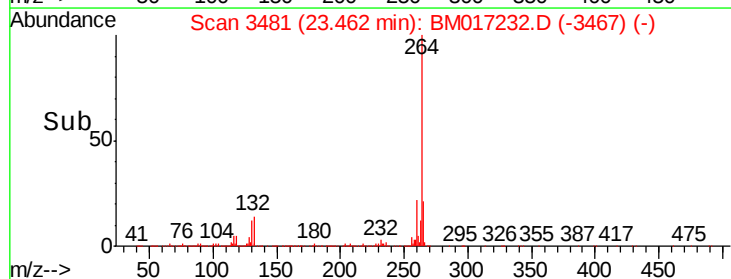
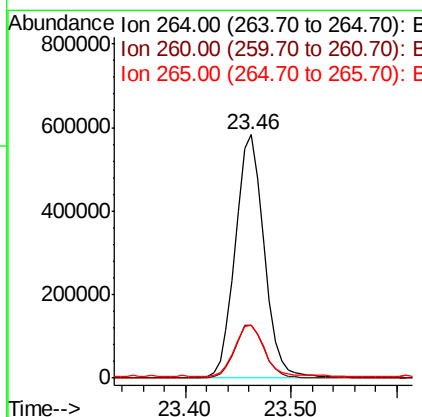
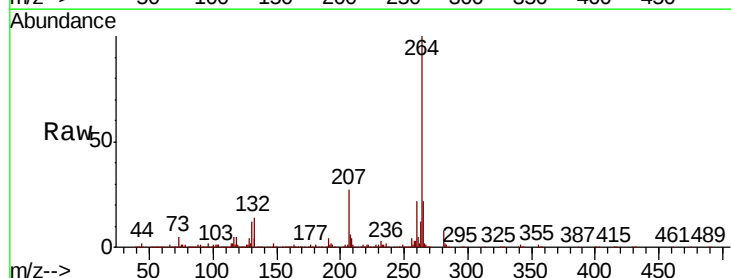
Instrument :  
BNA\_M  
ClientSampled :

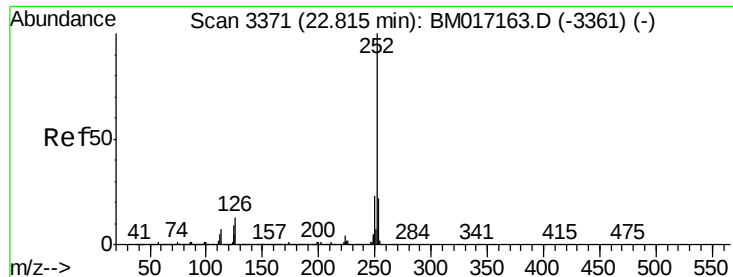
Tot Ion:276 Resp: 114  
Ion Ratio Lower Upper  
276 100  
138 0.0 19.5 29.3#  
277 0.0 20.1 30.1#



#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.46 min Scan# 3481  
Delta R.T. -0.02 min  
Lab File: BM017232.D  
Acq: 19 Oct 2018 16:27

Tgt Ion:264 Resp: 1100698  
Ion Ratio Lower Upper  
264 100  
260 21.8 18.6 27.8  
265 22.0 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 22.80 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

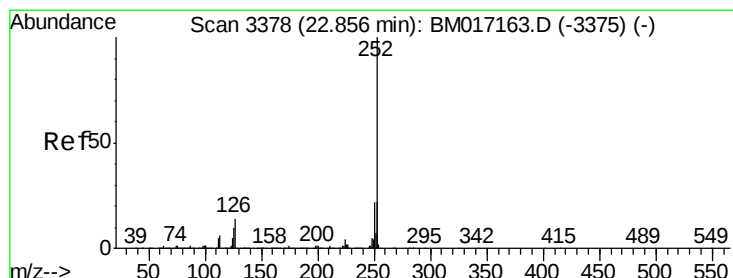
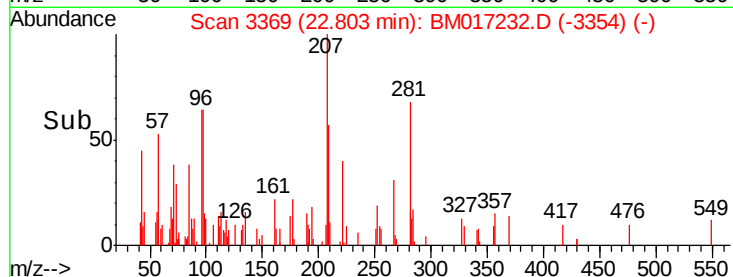
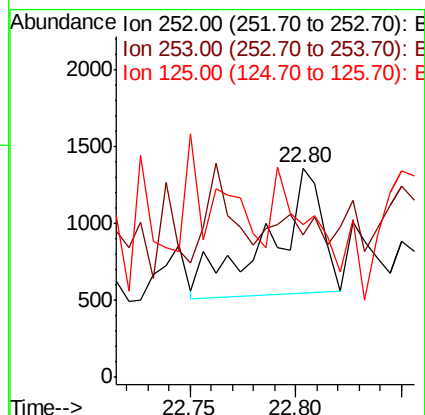
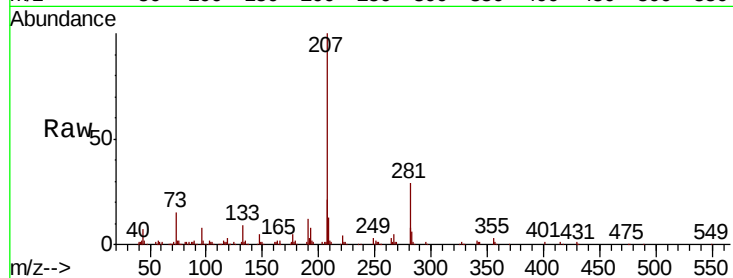
Tot Ion:252 Resp: 1420

Ion Ratio Lower Upper

252 100

253 67.9 17.4 26.2#

125 73.0 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 0.012 ng

RT: 22.85 min Scan# 3377

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

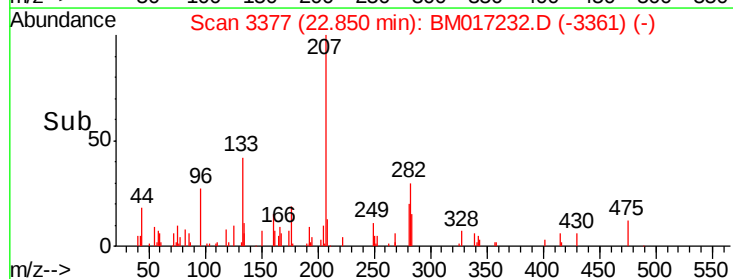
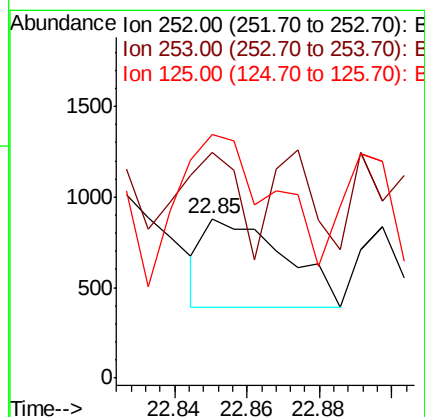
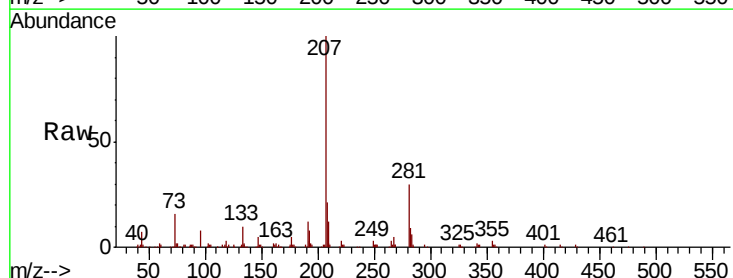
Tgt Ion:252 Resp: 749

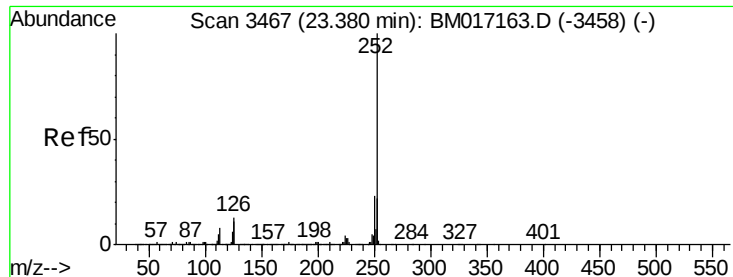
Ion Ratio Lower Upper

252 100

253 141.3 17.5 26.3#

125 152.4 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 0.016 ng

RT: 23.37 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Instrument :

BNA\_M

ClientSampleId :

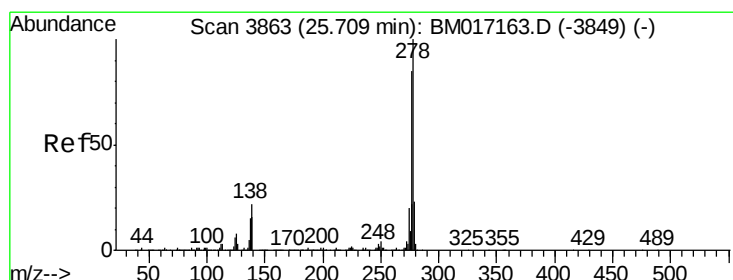
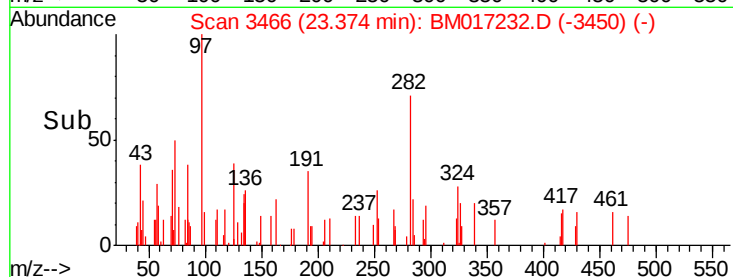
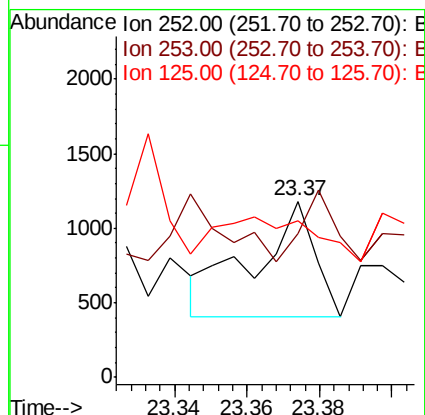
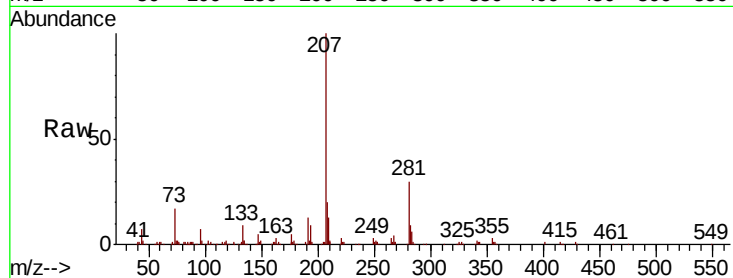
Tot Ion:252 Resp: 902

Ion Ratio Lower Upper

252 100

253 81.2 17.4 26.0#

125 89.0 8.6 13.0#



#91

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 25.74 min Scan# 3868

Delta R.T. 0.03 min

Lab File: BM017232.D

Acq: 19 Oct 2018 16:27

Tgt Ion:278 Resp: 131

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

279 155.8 18.7 28.1#

