

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\  
 Data File : BM018742.D  
 Acq On : 07 Feb 2019 17:53  
 Operator : JU/SJ  
 Sample : K1390-01MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-01(12-13)MSD

Quant Time: Feb 08 10:06:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 04 15:10:38 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 220805   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 813818   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.37 | 164  | 422684   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.12 | 188  | 833168   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.31 | 240  | 854129   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.57 | 264  | 974610   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.30  | 112 | 1783119 | 149.11 | ng | 0.00 |
| 7) Phenol-d6             | 6.89  | 99  | 2257498 | 148.64 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.89  | 82  | 1341543 | 95.56  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.86 | 330 | 739452  | 137.39 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.98 | 172 | 2873266 | 88.70  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.74 | 244 | 3465476 | 85.53  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 189366  | 38.85 | ng | 98     |
| 3) Pyridine                    | 3.65  | 79  | 503216  | 41.41 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.57  | 42  | 287497  | 57.22 | ng | # 91   |
| 6) Aniline                     | 7.06  | 93  | 635224  | 37.49 | ng | 99     |
| 8) 2-Chlorophenol              | 7.28  | 128 | 693054  | 49.62 | ng | 97     |
| 9) Benzaldehyde                | 6.88  | 77  | 315449  | 34.78 | ng | 94     |
| 10) Phenol                     | 6.92  | 94  | 794886  | 51.50 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.15  | 93  | 561566  | 46.31 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.60  | 146 | 743705  | 44.71 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.75  | 146 | 758844  | 45.01 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.06  | 146 | 732017  | 45.79 | ng | 99     |
| 15) Benzyl Alcohol             | 7.96  | 79  | 544631  | 49.65 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 720367  | 46.48 | ng | # 19   |
| 17) 2-Methylphenol             | 8.16  | 107 | 528574  | 50.45 | ng | 99     |
| 18) Hexachloroethane           | 8.78  | 117 | 423420  | 70.45 | ng | 87     |
| 19) n-Nitroso-di-n-propylamine | 8.53  | 70  | 464998  | 47.05 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.49  | 107 | 704613  | 48.72 | ng | 98     |
| 22) Acetophenone               | 8.55  | 105 | 891406  | 44.28 | ng | # 98   |
| 24) Nitrobenzene               | 8.93  | 77  | 680672  | 49.28 | ng | 96     |
| 25) Isophorone                 | 9.45  | 82  | 1205428 | 56.70 | ng | # 95   |
| 26) 2-Nitrophenol              | 9.63  | 139 | 370710  | 55.50 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 9.69  | 122 | 579242  | 57.86 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 9.93  | 93  | 727644  | 49.55 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.16 | 162 | 621260  | 52.12 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.37 | 180 | 678788  | 45.88 | ng | 99     |
| 31) Naphthalene                | 10.56 | 128 | 2045040 | 52.18 | ng | 97     |
| 32) Benzoic acid               | 9.77  | 122 | 78665   | 16.59 | ng | # 35   |
| 33) 4-Chloroaniline            | 10.68 | 127 | 490668  | 31.79 | ng | # 96   |
| 34) Hexachlorobutadiene        | 10.82 | 225 | 402760  | 43.09 | ng | 99     |
| 35) Caprolactam                | 11.50 | 113 | 298796  | 73.72 | ng | # 53   |
| 36) 4-Chloro-3-methylphenol    | 11.80 | 107 | 593878  | 47.49 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.17 | 142 | 1524507 | 55.05 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.39 | 142 | 1376424 | 51.37 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.55 | 216 | 704598  | 47.67 | ng | 99     |

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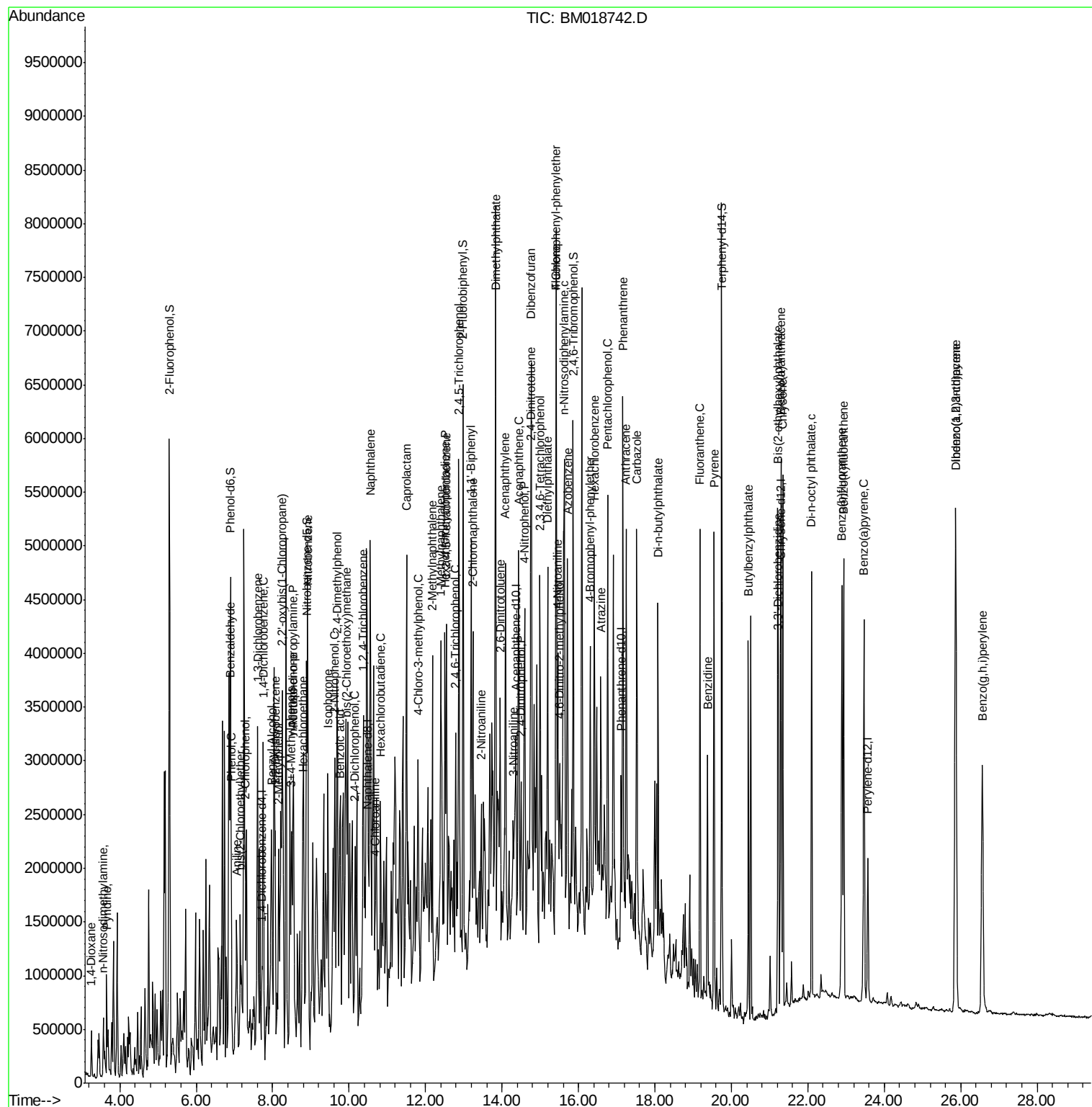
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.51 | 237  | 804193   | 99.13  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.79 | 196  | 474726   | 52.89  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.86 | 196  | 487401   | 51.63  | nq #  | 94       |
| 46) 1,1'-Biphenyl              | 13.20 | 154  | 1774797  | 48.09  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.24 | 162  | 1320161  | 46.13  | nq    | 99       |
| 48) 2-Nitroaniline             | 13.46 | 65   | 342083   | 48.58  | nq #  | 90       |
| 49) Acenaphthylene             | 14.09 | 152  | 2096591  | 50.27  | nq    | 97       |
| 50) Dimethylphthalate          | 13.83 | 163  | 1677517  | 48.32  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.96 | 165  | 344892   | 46.90  | nq    | 92       |
| 52) Acenaphthene               | 14.43 | 154  | 1233522  | 48.34  | nq    | 98       |
| 53) 3-Nitroaniline             | 14.29 | 138  | 323360   | 43.62  | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 14.50 | 184  | 210087   | 55.23  | nq    | 95       |
| 55) Dibenzofuran               | 14.77 | 168  | 1910340  | 45.31  | nq #  | 94       |
| 56) 4-Nitrophenol              | 14.60 | 139  | 692112   | 108.07 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 14.75 | 165  | 519076   | 49.89  | nq #  | 99       |
| 58) Fluorene                   | 15.42 | 166  | 1643503  | 52.32  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 422635   | 50.51  | nq #  | 90       |
| 60) Diethylphthalate           | 15.20 | 149  | 1494142  | 42.64  | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.42 | 204  | 748053   | 41.32  | nq    | 98       |
| 62) 4-Nitroaniline             | 15.46 | 138  | 291972   | 36.11  | nq    | 96       |
| 63) Azobenzene                 | 15.71 | 77   | 1262178  | 44.18  | nq    | 88       |
| 65) 4,6-Dinitro-2-methylphenol | 15.51 | 198  | 208996   | 40.33  | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 15.63 | 169  | 1580090  | 61.14  | nq    | 92       |
| 67) 4-Bromophenyl-phenylether  | 16.31 | 248  | 441501   | 47.35  | nq    | 97       |
| 68) Hexachlorobenzene          | 16.42 | 284  | 478583   | 45.85  | nq    | 98       |
| 69) Atrazine                   | 16.59 | 200  | 464709   | 49.74  | nq    | 100      |
| 70) Pentachlorophenol          | 16.76 | 266  | 617309   | 90.30  | nq    | 98       |
| 71) Phenanthrene               | 17.16 | 178  | 2805202  | 63.30  | nq    | 99       |
| 72) Anthracene                 | 17.25 | 178  | 2329459  | 54.66  | nq    | 99       |
| 73) Carbazole                  | 17.53 | 167  | 2068098  | 47.24  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.08 | 149  | 2378262  | 49.59  | nq    | 99       |
| 75) Fluoranthene               | 19.18 | 202  | 2500076  | 48.93  | nq    | 99       |
| 77) Benzidine                  | 19.38 | 184  | 1355248  | 64.26  | nq    | 99       |
| 78) Pyrene                     | 19.54 | 202  | 2630316  | 51.95  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.44 | 149  | 1041320  | 48.20  | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.29 | 228  | 2569604  | 51.07  | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.23 | 252  | 829670   | 43.60  | nq    | 98       |
| 83) Chrysene                   | 21.34 | 228  | 2413034  | 49.66  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 1465468  | 46.98  | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.10 | 149  | 2682813  | 51.13  | nq    | 95       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.87 | 276  | 3394972  | 60.59  | nq    | 98       |
| 88) Benzo(b)fluoranthene       | 22.89 | 252  | 2699857  | 48.79  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 22.93 | 252  | 2738053  | 49.10  | nq    | 98       |
| 90) Benzo(a)pyrene             | 23.47 | 252  | 2734936  | 51.63  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 25.88 | 278  | 2852112  | 53.14  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.57 | 276  | 2865577  | 54.86  | nq    | 98       |

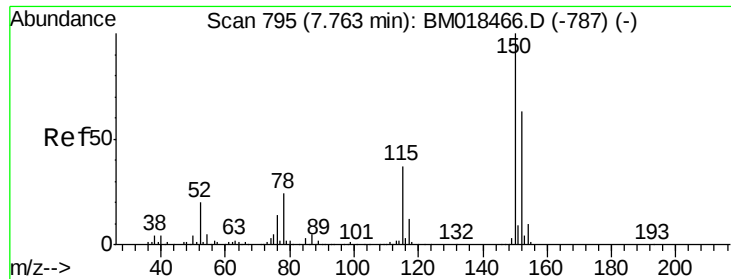
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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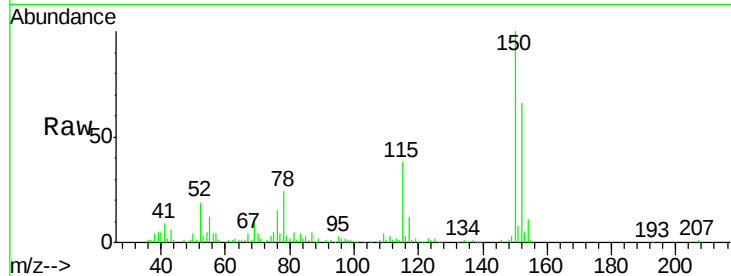


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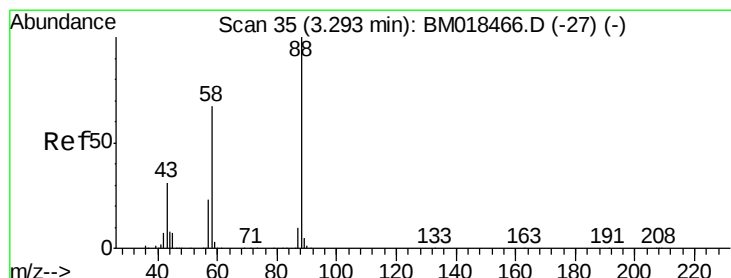
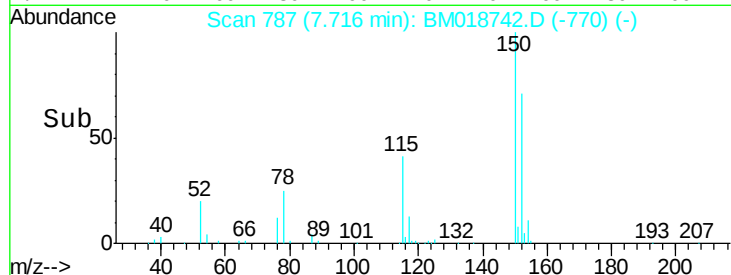
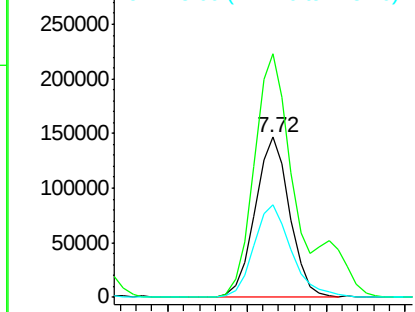
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.4 | 126.9 | 190.3 |
| 115     | 58.1  | 45.5  | 68.3  |



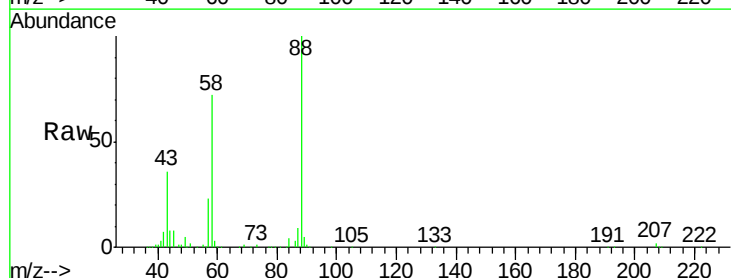
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



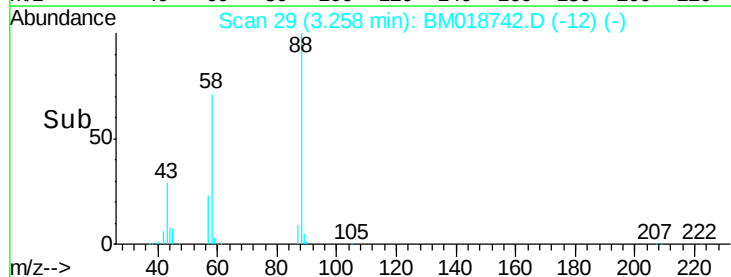
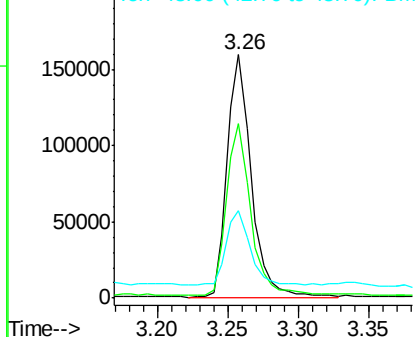
#2

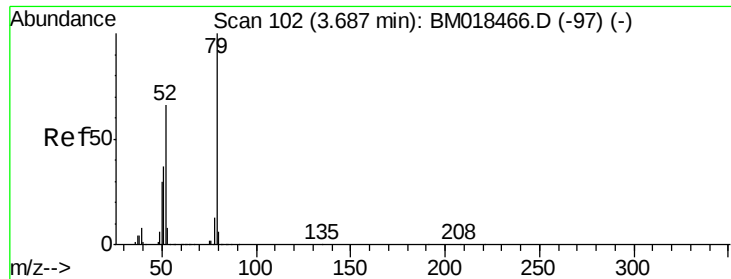
1,4-Dioxane  
Concen: 38.85 ng  
RT: 3.26 min Scan# 29  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 72.3  | 58.4  | 87.6  |
| 43      | 30.6  | 26.2  | 39.4  |



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: 41.41 ng

RT: 3.65 min Scan# 96

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

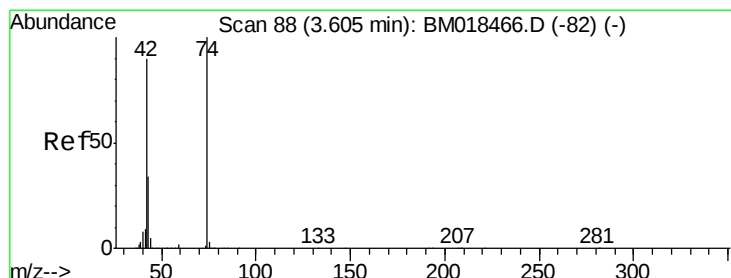
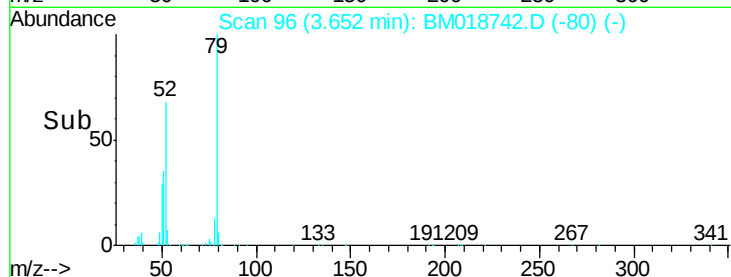
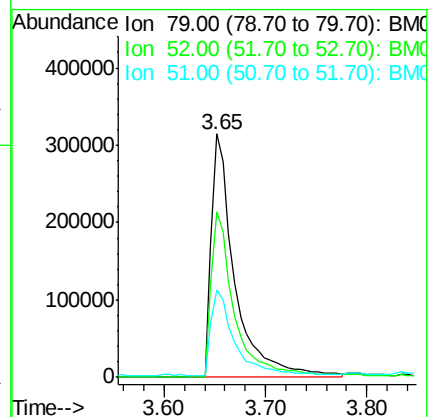
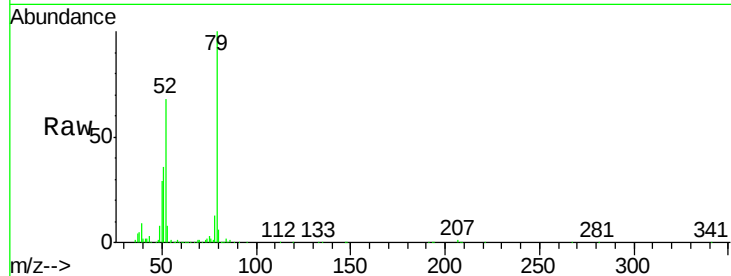
Tot Ion: 79 Resp: 503216

Ion Ratio Lower Upper

79 100

52 68.2 56.4 84.6

51 35.9 31.0 46.4



#4

n-Nitrosodimethylamine

Concen: 57.22 ng

RT: 3.57 min Scan# 82

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

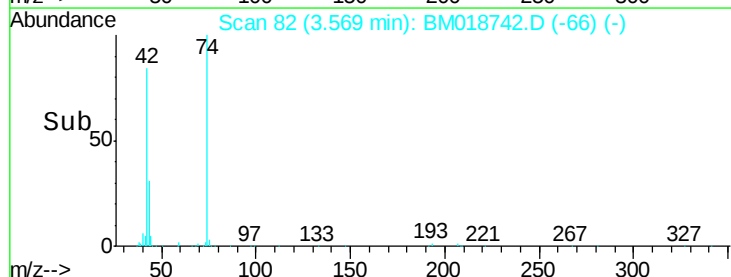
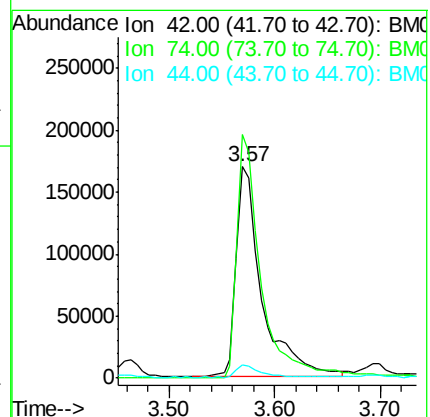
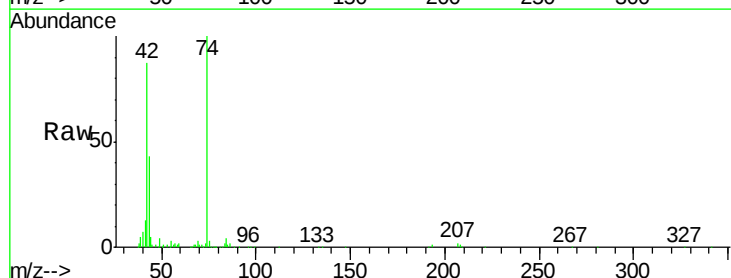
Tgt Ion: 42 Resp: 287497

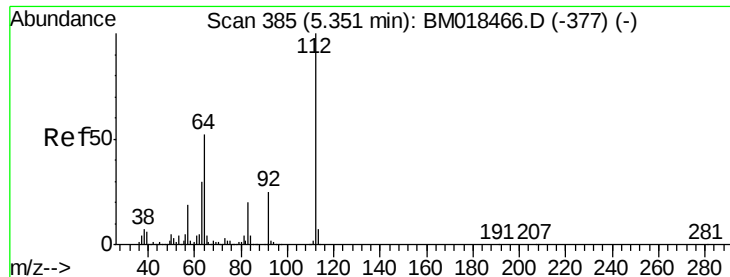
Ion Ratio Lower Upper

42 100

74 115.4 88.6 132.8

44 6.1 16.9 25.3#





#5

2-Fluorophenol

Concen: 149.11 ng

RT: 5.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

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ClientSampleId :

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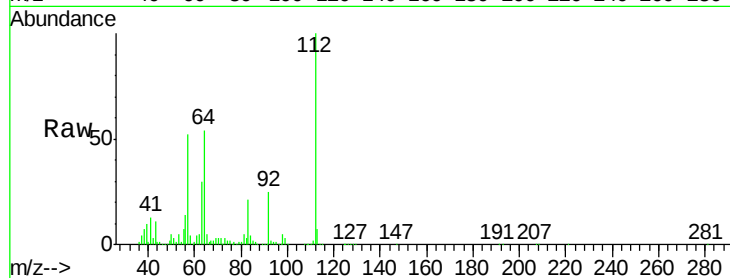
Tot Ion:112 Resp: 1783119

Ion Ratio Lower Upper

112 100

64 54.4 46.5 69.7

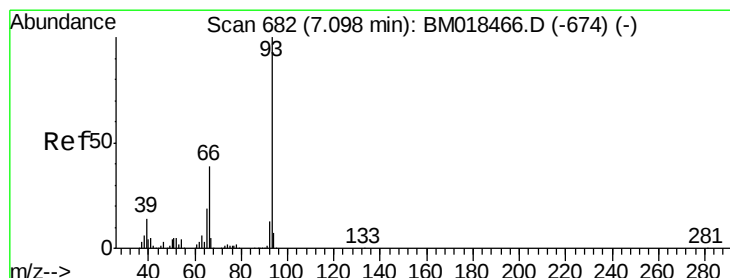
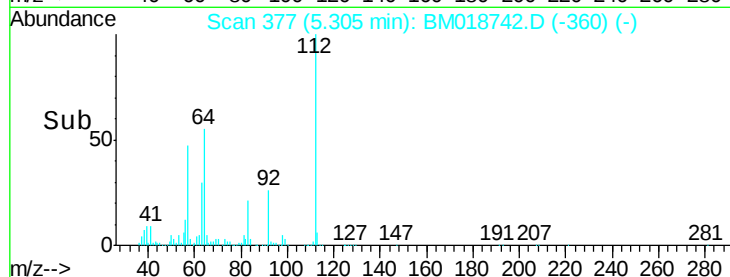
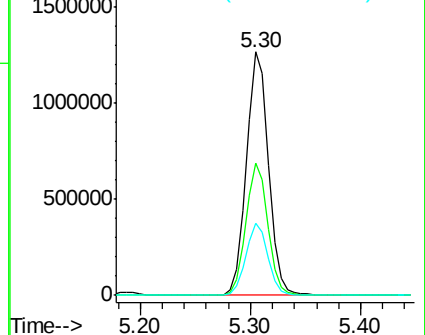
63 29.8 25.2 37.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 37.49 ng

RT: 7.06 min Scan# 675

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

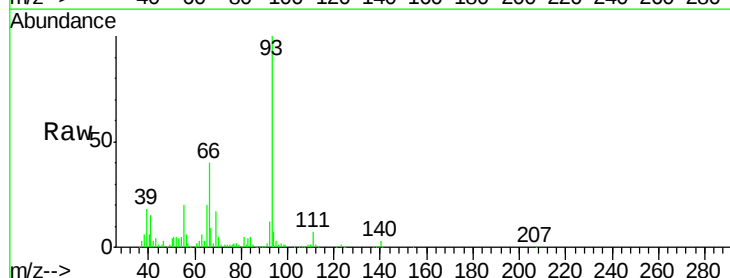
Tgt Ion: 93 Resp: 635224

Ion Ratio Lower Upper

93 100

66 39.8 31.7 47.5

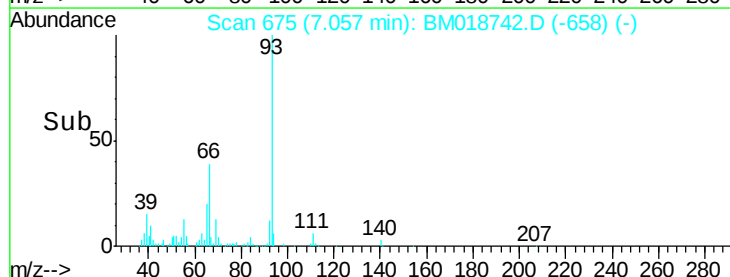
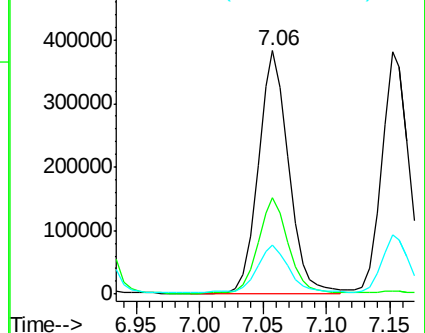
65 20.3 15.9 23.9

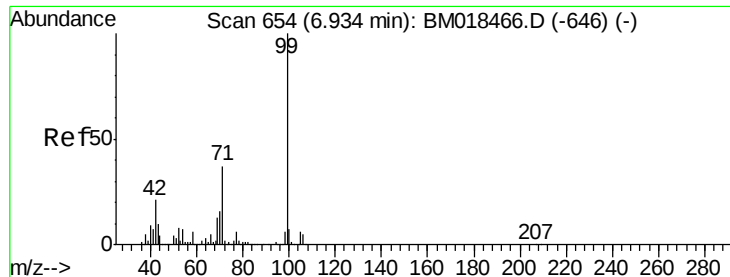


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 148.64 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

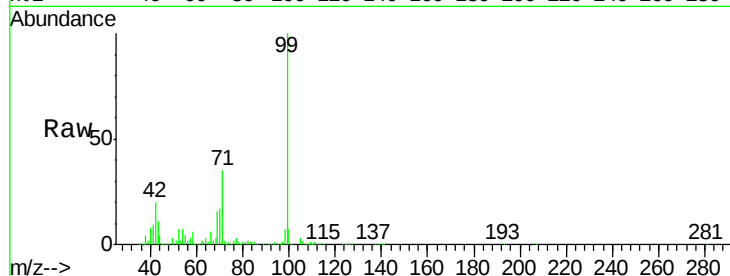
Tot Ion: 99 Resp: 2257498

Ion Ratio Lower Upper

99 100

42 19.8 17.3 25.9

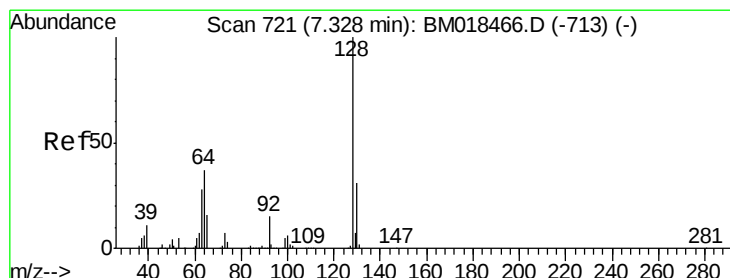
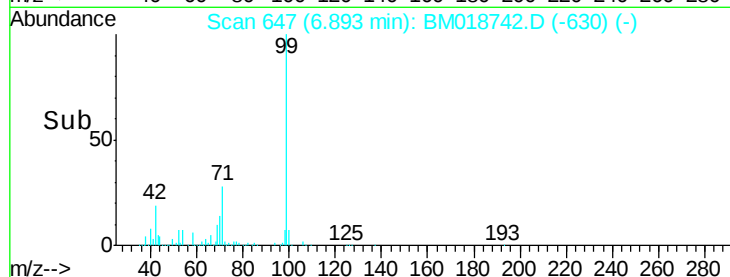
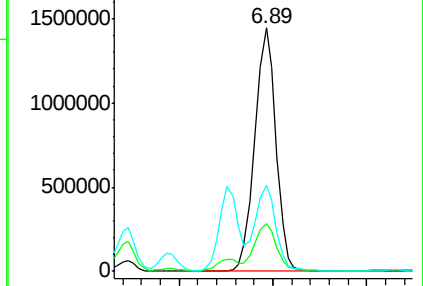
71 35.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#8

2-Chlorophenol

Concen: 49.62 ng

RT: 7.28 min Scan# 713

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

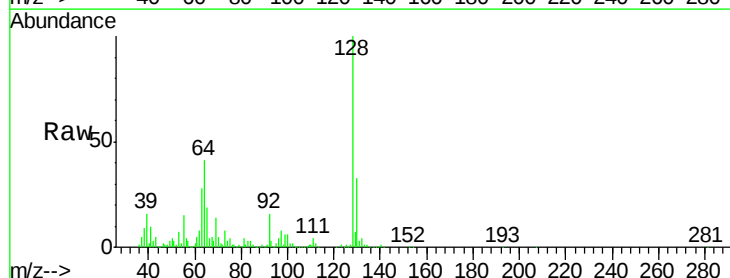
Tgt Ion:128 Resp: 693054

Ion Ratio Lower Upper

128 100

130 33.1 13.6 53.6

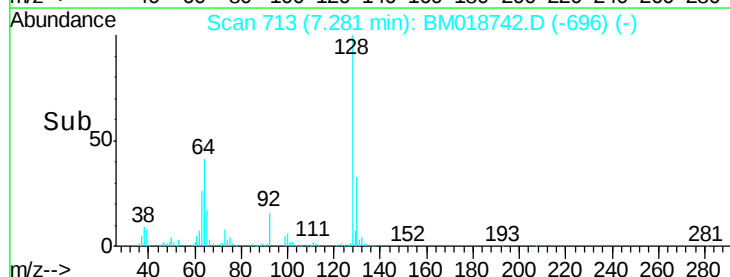
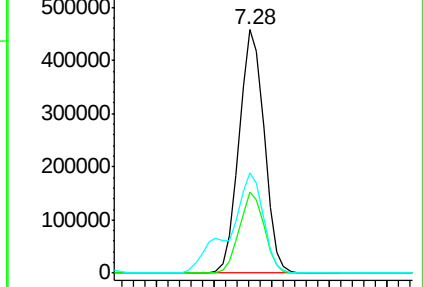
64 41.4 24.8 64.8

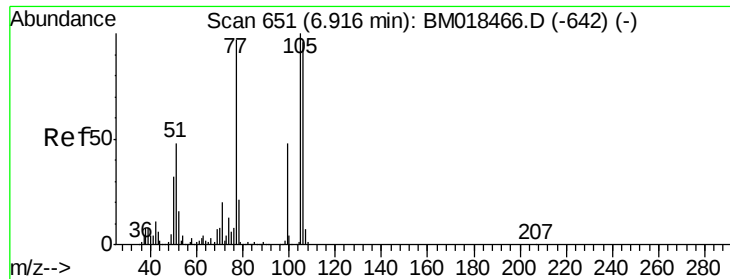


Abundance Ion 128.00 (127.70 to 128.70): BM018466.D (-713) (-)

Ion 130.00 (129.70 to 130.70): BM018466.D (-713) (-)

Ion 64.00 (63.70 to 64.70): BM018466.D (-713) (-)





#9

Benzaldehyde

Concen: 34.78 ng

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

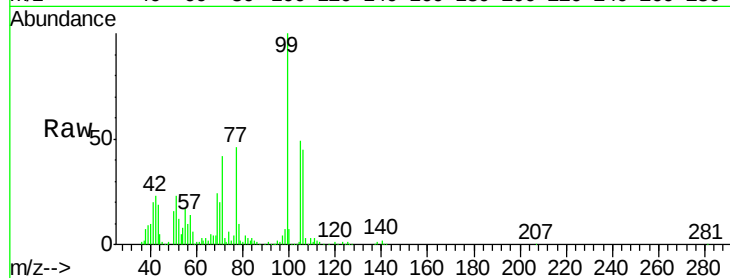
Tot Ion: 77 Resp: 315449

Ion Ratio Lower Upper

77 100

105 107.7 79.7 119.7

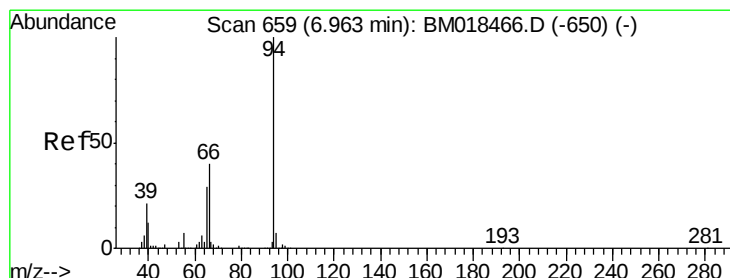
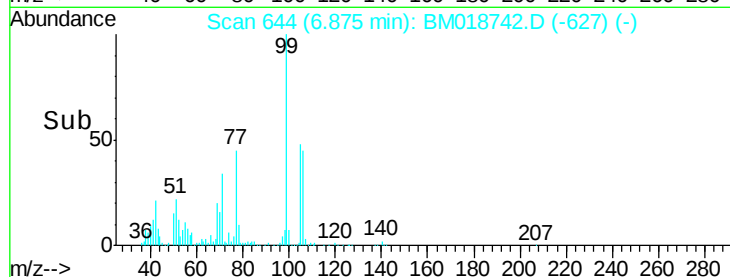
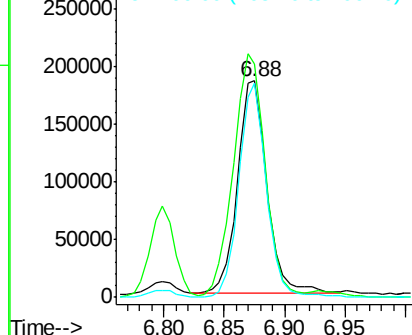
106 98.6 75.2 115.2



Abundance Ion 77.00 (76.70 to 77.70): BM018742.D (-627) (-)

Ion 105.00 (104.70 to 105.70): BM018742.D (-627) (-)

Ion 106.00 (105.70 to 106.70): BM018742.D (-627) (-)



#10

Phenol

Concen: 51.50 ng

RT: 6.92 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

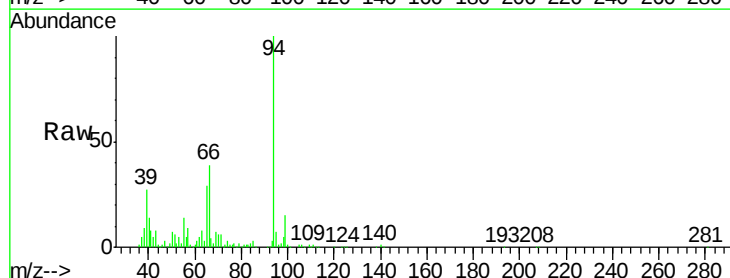
Tgt Ion: 94 Resp: 794886

Ion Ratio Lower Upper

94 100

65 28.8 9.4 49.4

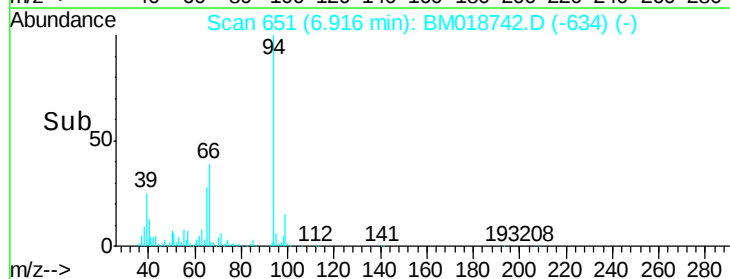
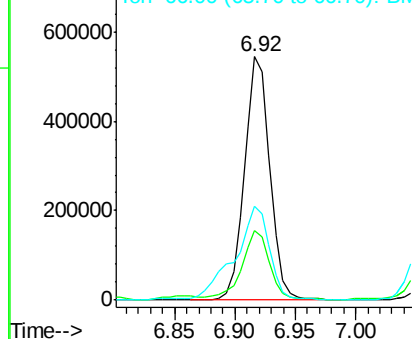
66 38.7 19.1 59.1

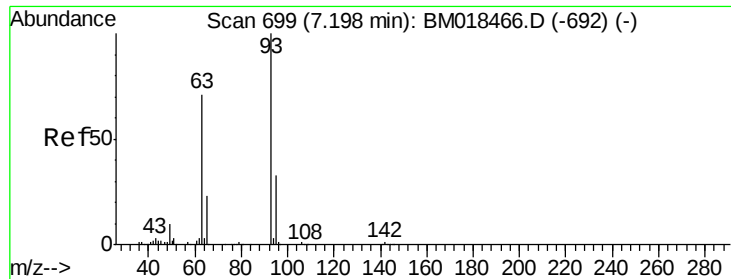


Abundance Ion 94.00 (93.70 to 94.70): BM018742.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018742.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018742.D (-634) (-)

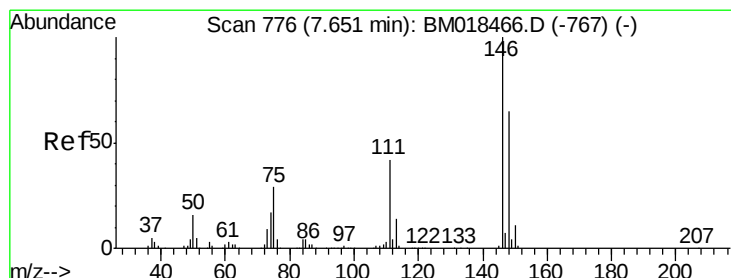
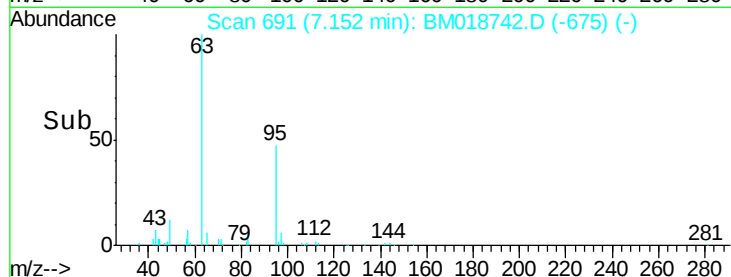
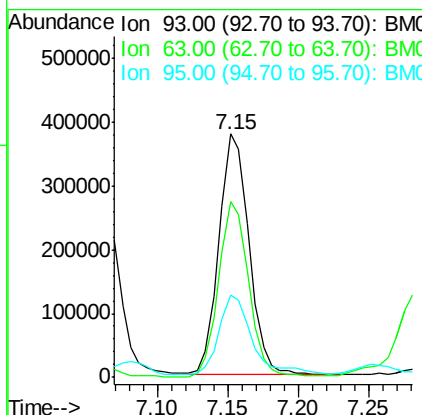
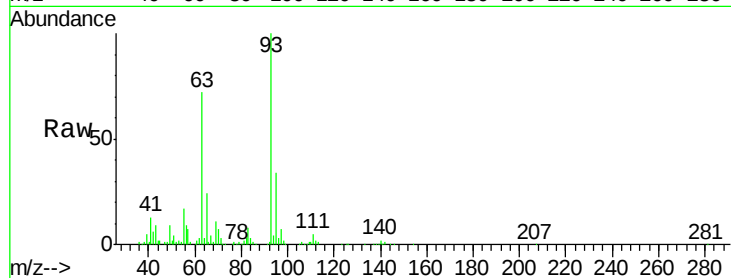




#11  
bis(2-Chloroethyl)ether  
Concen: 46.31 ng  
RT: 7.15 min Scan# 691  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

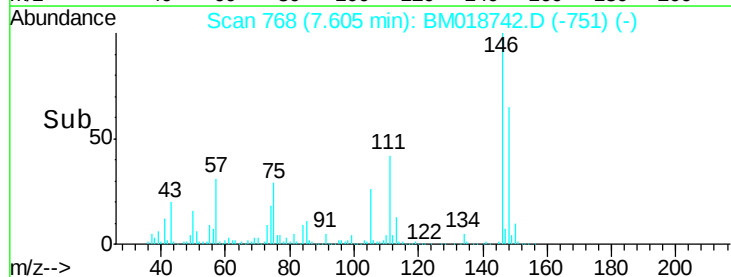
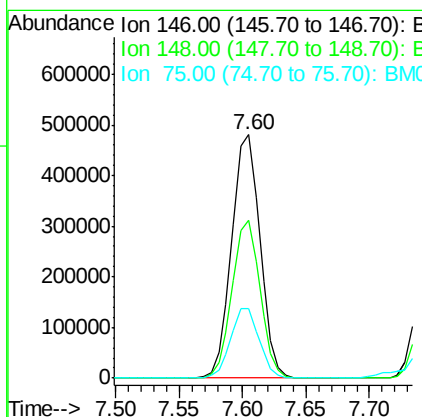
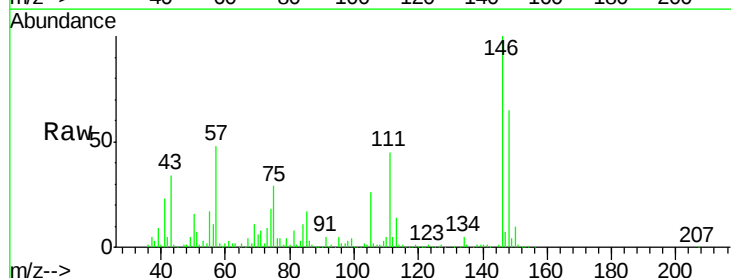
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

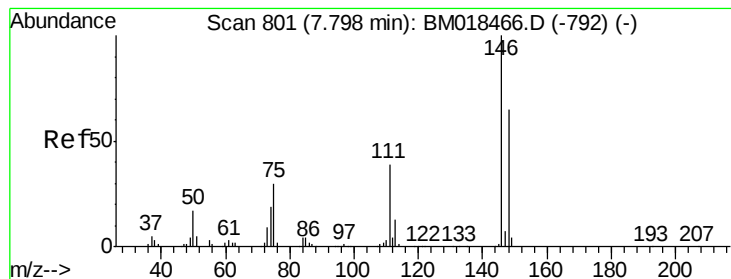
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 561566 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 72.0  | 56.4  | 96.4   |
| 95       | 33.6  | 12.7  | 52.7   |



#12  
1,3-Dichlorobenzene  
Concen: 44.71 ng  
RT: 7.60 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 743705 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 64.7  | 50.5  | 75.7   |
| 75       | 28.7  | 23.0  | 34.6   |





#13

1,4-Dichlorobenzene

Concen: 45.01 ng

RT: 7.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

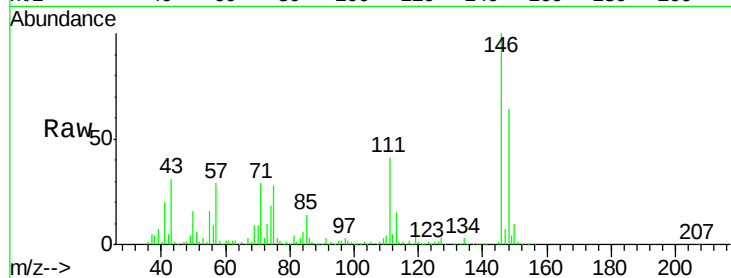
Tot Ion:146 Resp: 758844

Ion Ratio Lower Upper

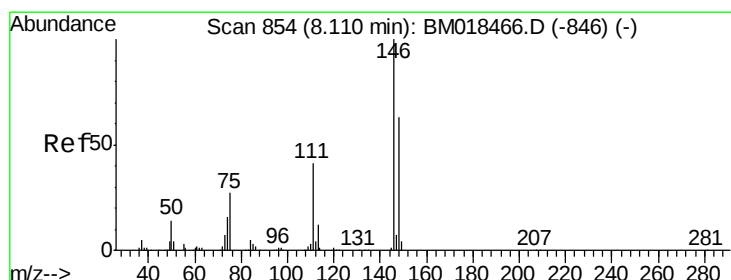
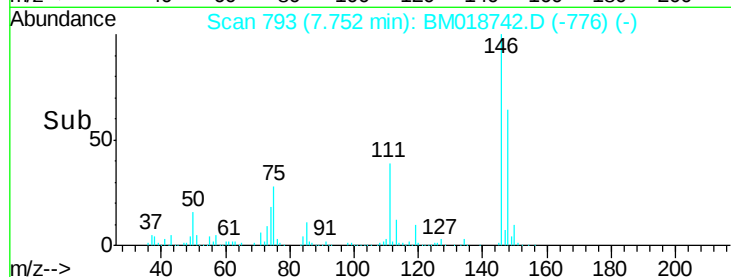
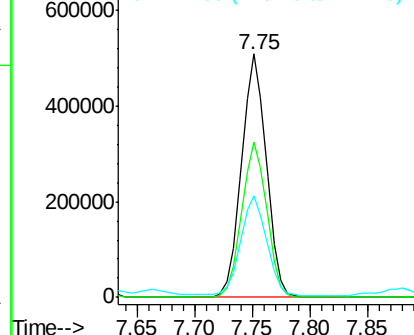
146 100

148 63.6 50.8 76.2

111 41.5 32.2 48.2



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 45.79 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

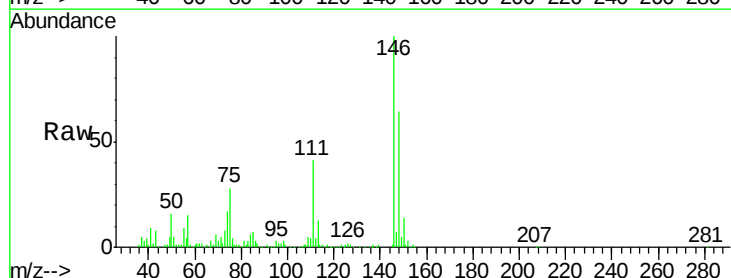
Tgt Ion:146 Resp: 732017

Ion Ratio Lower Upper

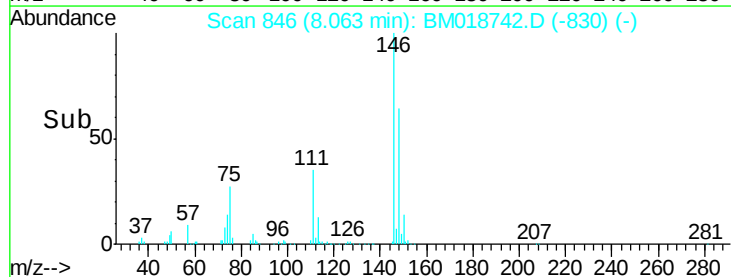
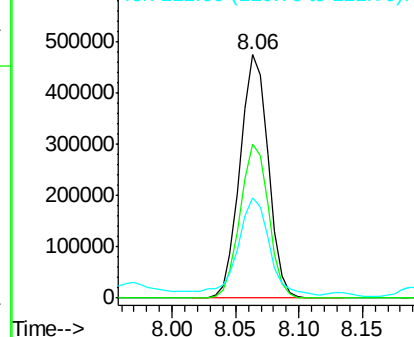
146 100

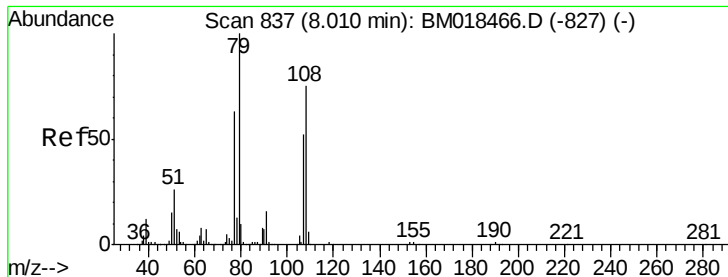
148 63.5 51.0 76.6

111 41.3 33.8 50.6



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 49.65 ng

RT: 7.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

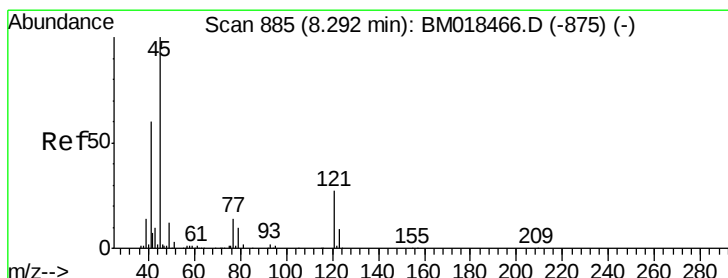
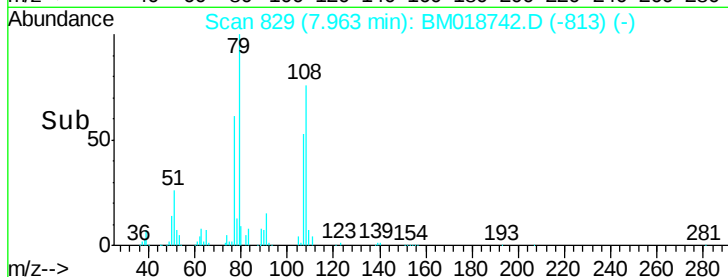
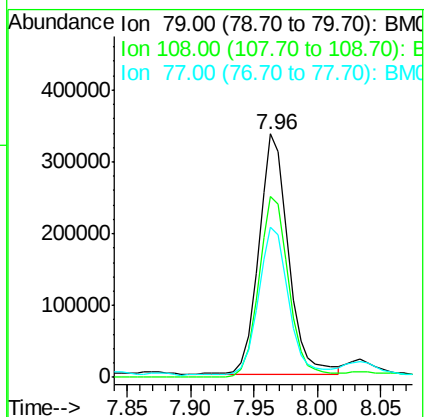
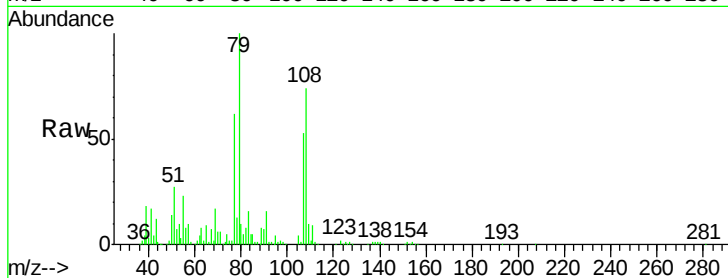
Tot Ion: 79 Resp: 544631

Ion Ratio Lower Upper

79 100

108 74.5 60.4 90.6

77 61.6 53.4 80.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.48 ng

RT: 8.25 min Scan# 878

Delta R.T. 0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

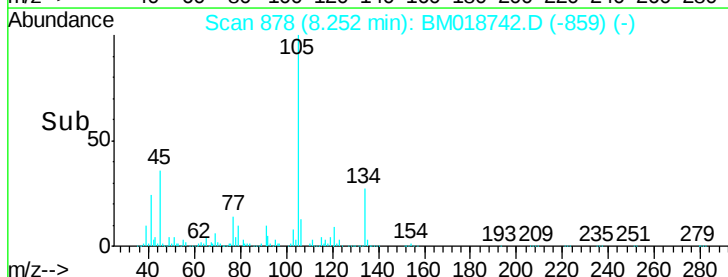
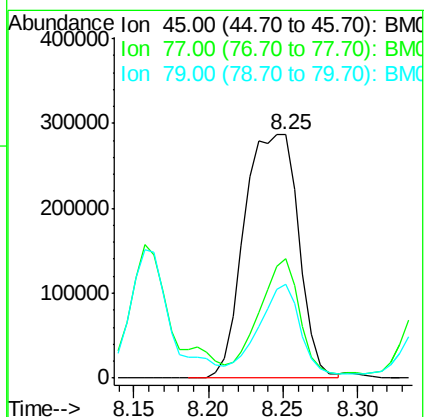
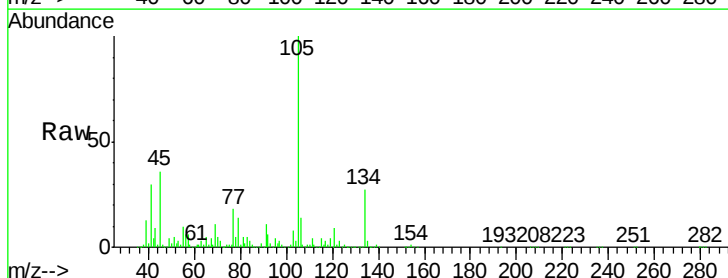
Tgt Ion: 45 Resp: 720367

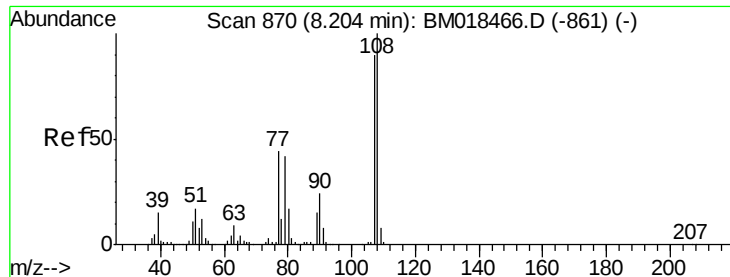
Ion Ratio Lower Upper

45 100

77 49.1 0.0 33.4#

79 38.5 0.0 31.1#

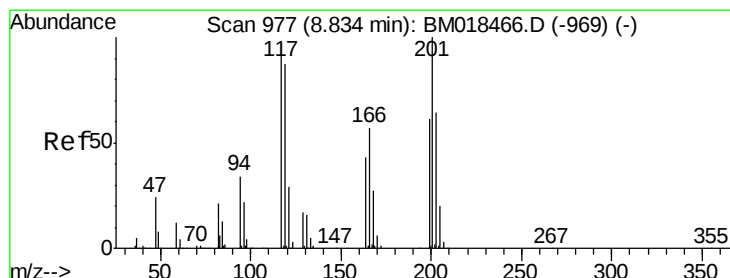
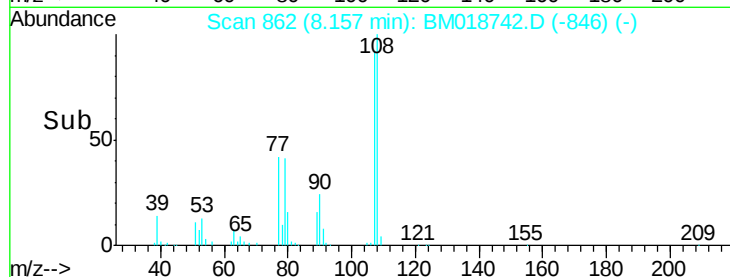
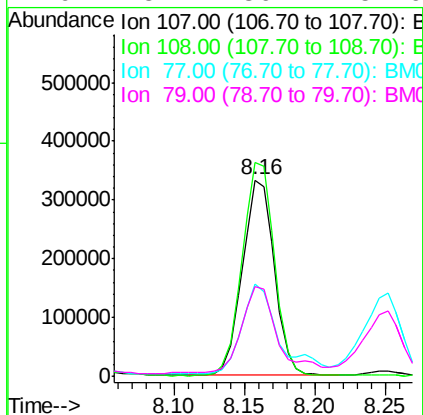
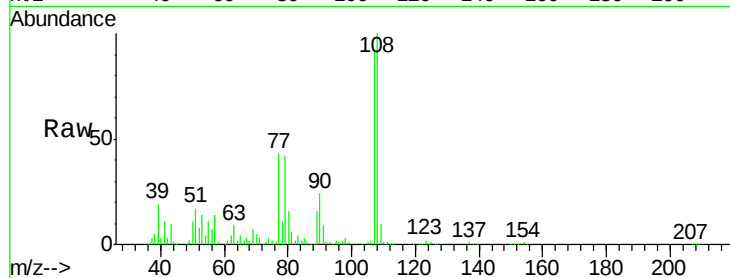




#17  
2-Methylphenol  
Concen: 50.45 ng  
RT: 8.16 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

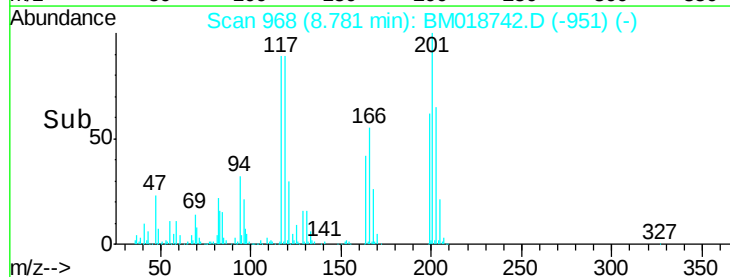
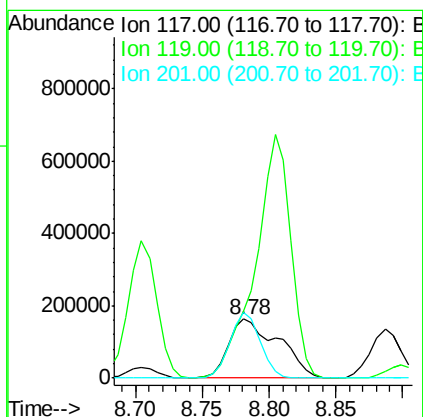
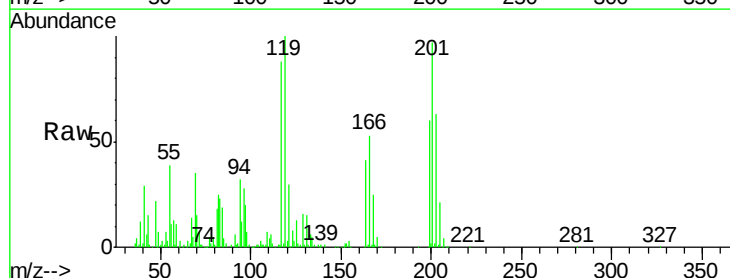
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

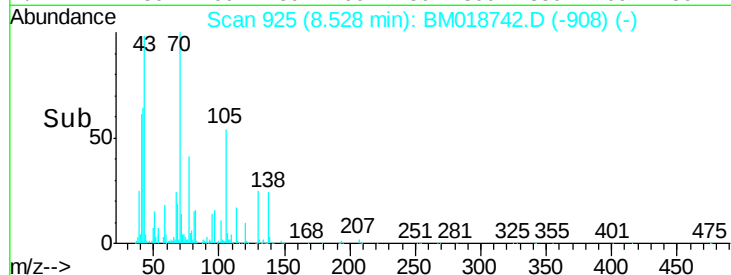
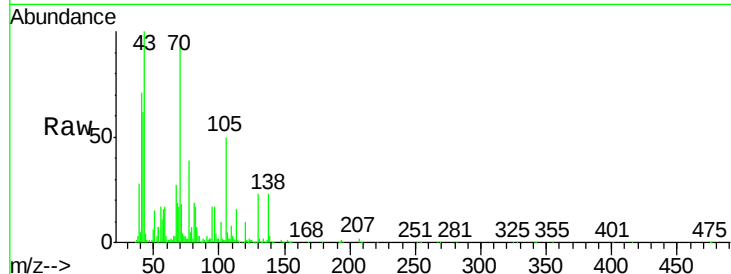
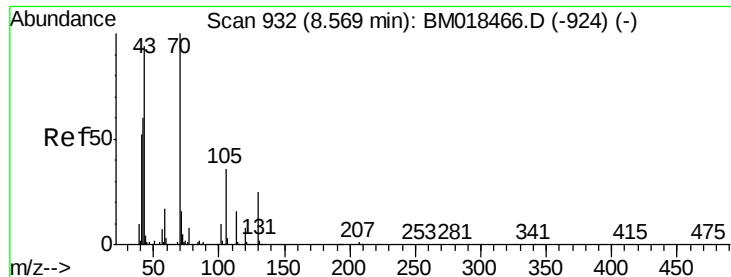
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 108.7 | 87.5  | 131.3 |
| 77      | 47.0  | 37.3  | 55.9  |
| 79      | 45.4  | 36.4  | 54.6  |



#18  
Hexachloroethane  
Concen: 70.45 ng  
RT: 8.78 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 114.1 | 78.3  | 117.5 |
| 201     | 111.0 | 81.4  | 122.0 |

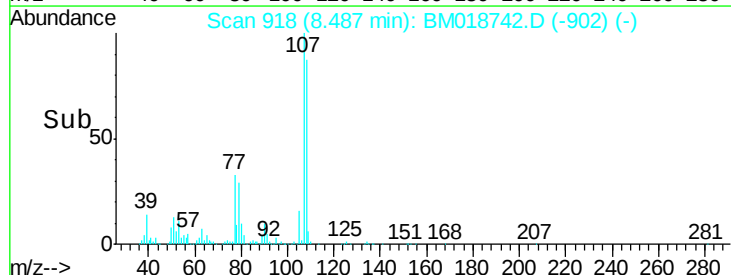
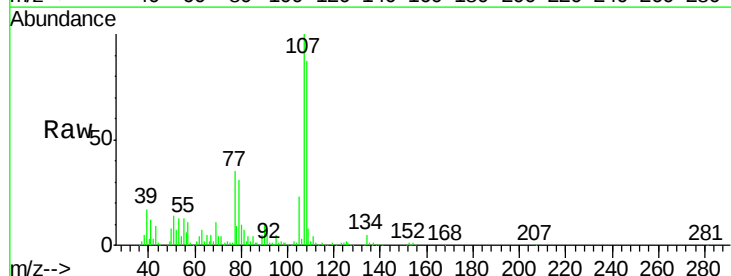
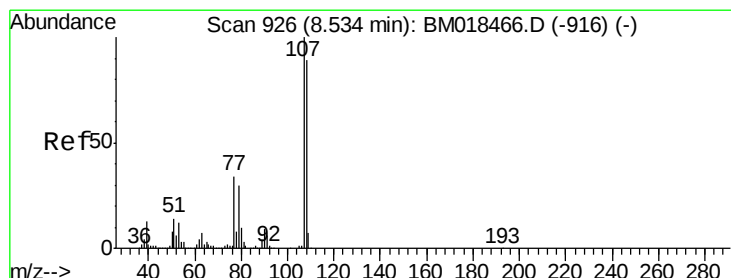
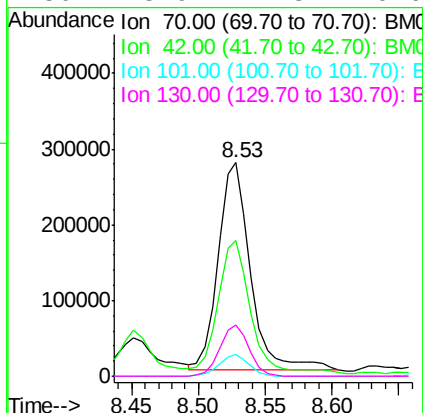




#19  
n-Nitroso-di-n-propylamine  
Concen: 47.05 ng  
RT: 8.53 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

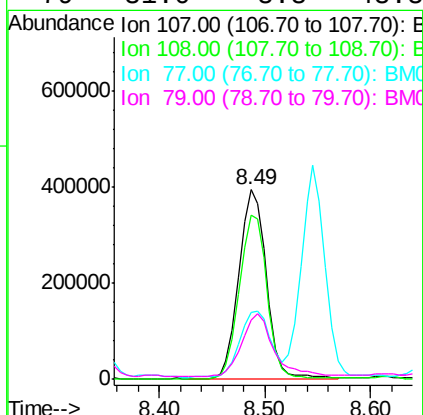
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

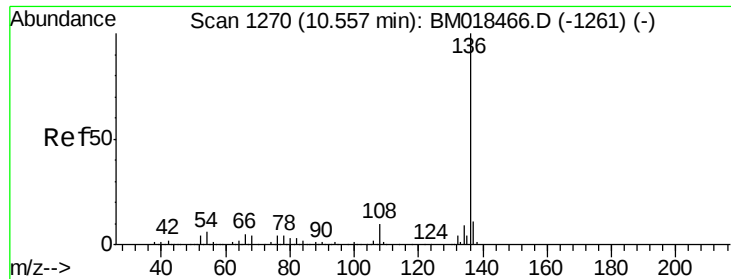
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 464998 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 63.4  | 54.0  | 81.0   |
| 101      | 10.5  | 8.1   | 12.1   |
| 130      | 23.9  | 17.8  | 26.6   |



#20  
3+4-Methylphenols  
Concen: 48.72 ng  
RT: 8.49 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 704613 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.8  | 66.8  | 106.8  |
| 77       | 35.3  | 13.3  | 53.3   |
| 79       | 31.0  | 8.8   | 48.8   |

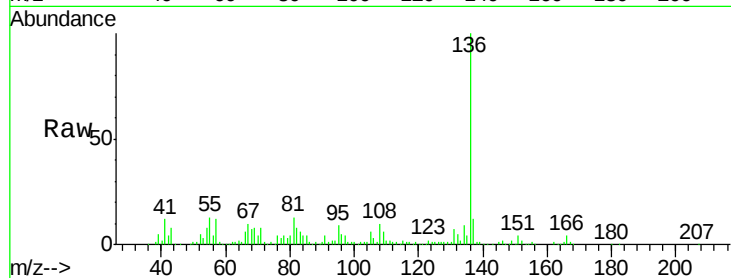




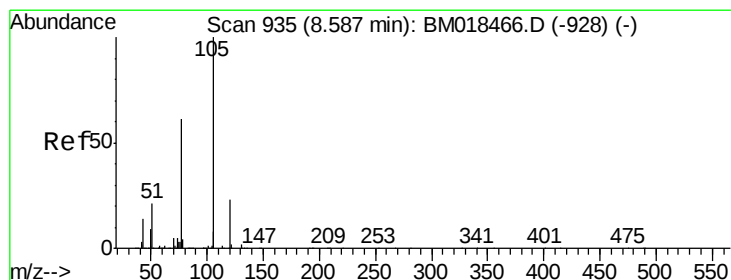
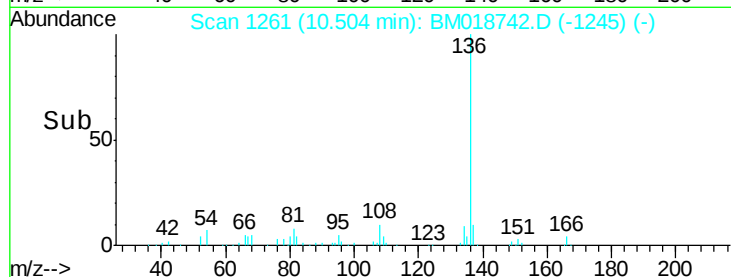
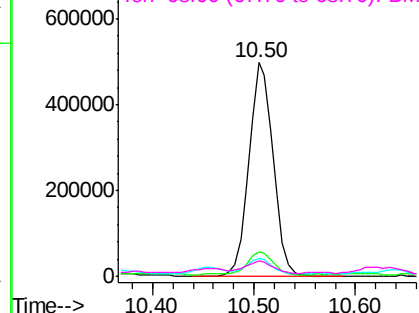
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.50 min Scan# 1261  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 813818 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.6    | 8.5   | 12.7   |
| 54 8.3      | 6.0   | 9.0    |
| 68 6.9      | 4.5   | 6.7#   |

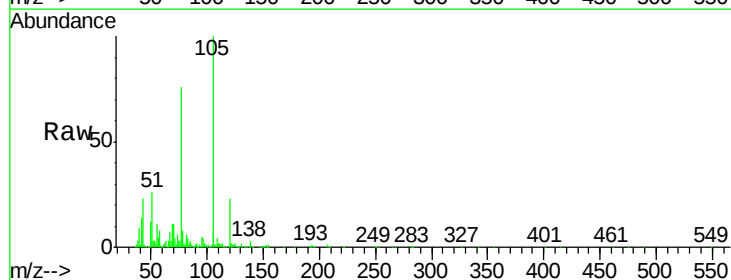


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM0  
Ion 68.00 (67.70 to 68.70): BM0

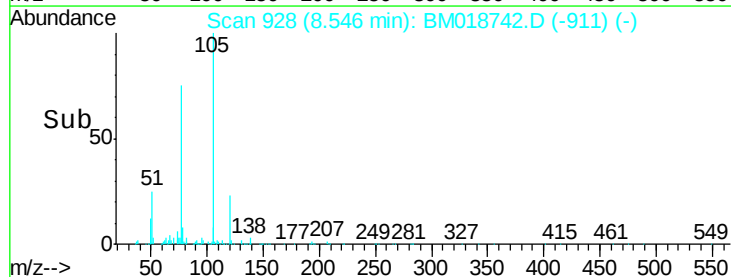
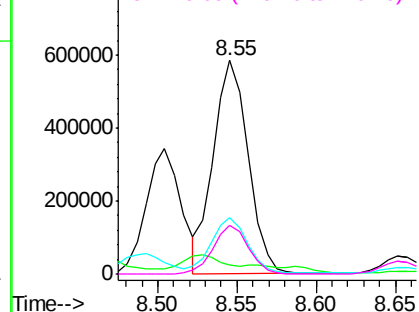


#22  
Acetophenone  
Concen: 44.28 ng  
RT: 8.55 min Scan# 928  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 891406 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 4.1     | 1.7   | 2.5#   |
| 51  | 26.2    | 22.6  | 34.0   |
| 120 | 23.1    | 18.3  | 27.5   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BM0  
Ion 51.00 (50.70 to 51.70): BM0  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 95.56 ng

RT: 8.89 min Scan# 986

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

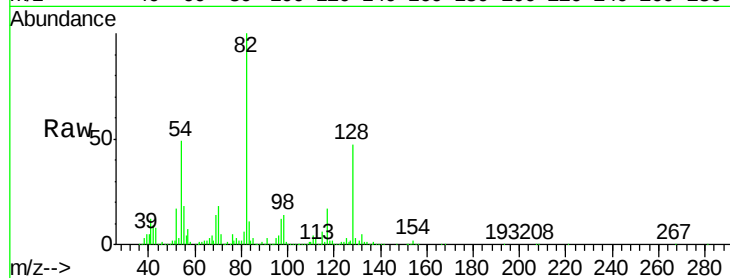
Tot Ion: 82 Resp: 1341543

Ion Ratio Lower Upper

82 100

128 46.7 36.3 54.5

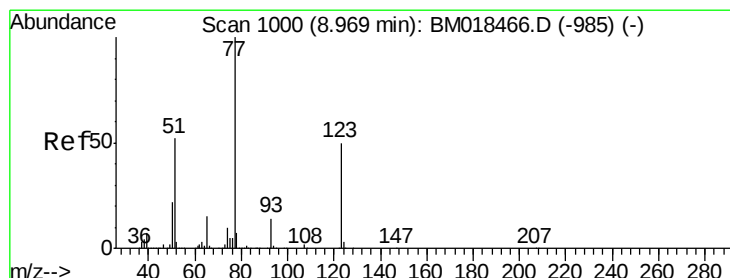
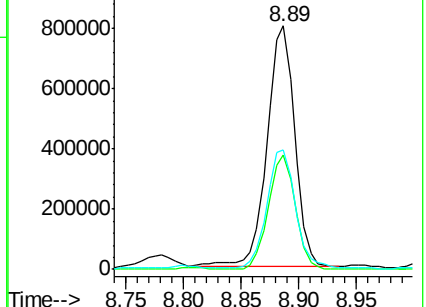
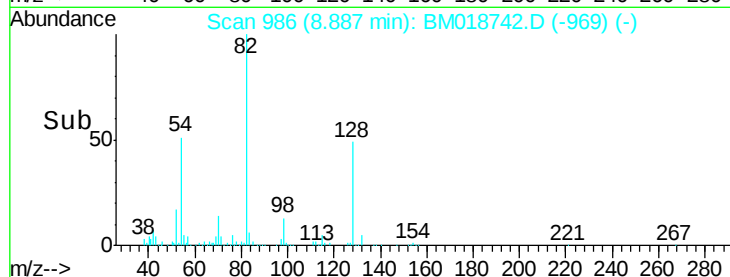
54 49.1 41.7 62.5



Abundance Ion 82.00 (81.70 to 82.70): BM018466.D (-985) (-)

Ion 128.00 (127.70 to 128.70): BM018466.D (-985) (-)

Ion 54.00 (53.70 to 54.70): BM018466.D (-985) (-)



#24

Nitrobenzene

Concen: 49.28 ng

RT: 8.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

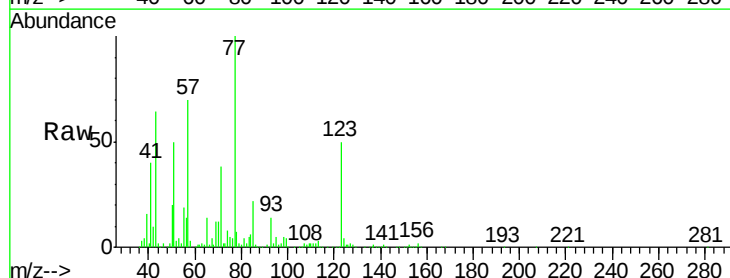
Tgt Ion: 77 Resp: 680672

Ion Ratio Lower Upper

77 100

123 50.4 37.7 56.5

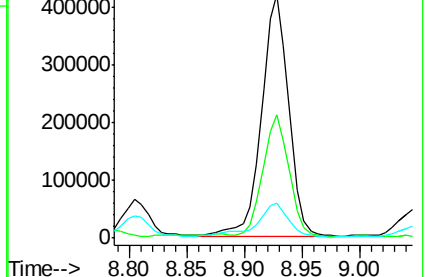
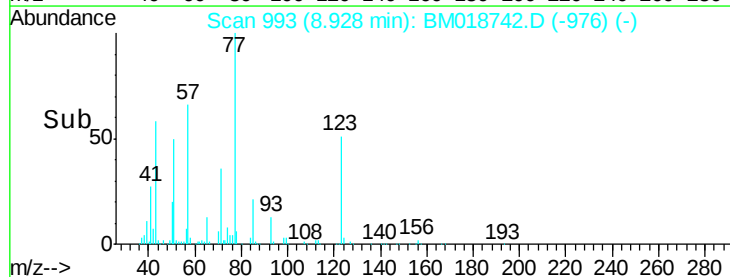
65 14.4 11.0 16.6

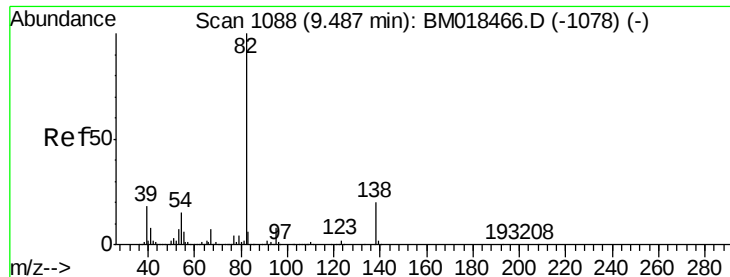


Abundance Ion 77.00 (76.70 to 77.70): BM018466.D (-985) (-)

Ion 123.00 (122.70 to 123.70): BM018466.D (-985) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-985) (-)





#25

Isophorone

Concen: 56.70 ng

RT: 9.45 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

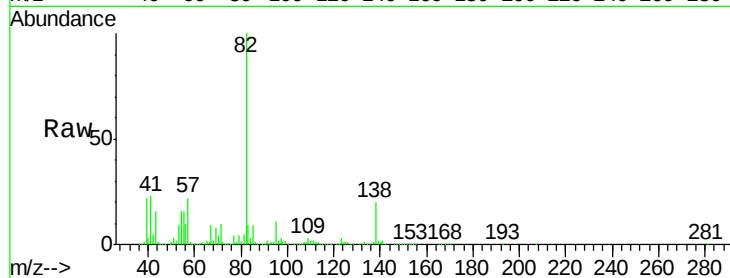
Tot Ion: 82 Resp: 1205428

Ion Ratio Lower Upper

82 100

95 11.2 6.1 9.1#

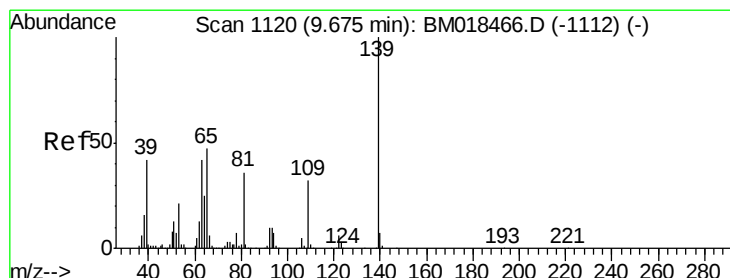
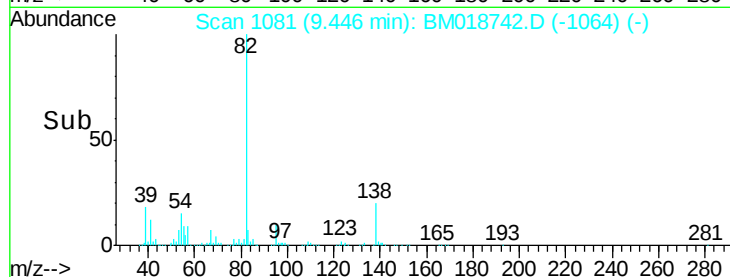
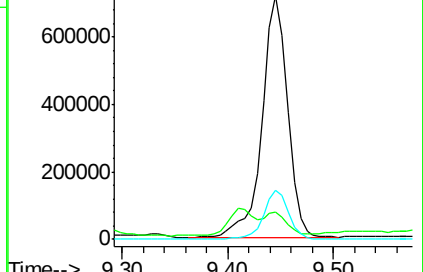
138 20.2 15.1 22.7



Abundance Ion 82.00 (81.70 to 82.70): BM018466.D (-1078) (-)

Ion 95.00 (94.70 to 95.70): BM018466.D (-1078) (-)

Ion 138.00 (137.70 to 138.70): BM018466.D (-1078) (-)



#26

2-Nitrophenol

Concen: 55.50 ng

RT: 9.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

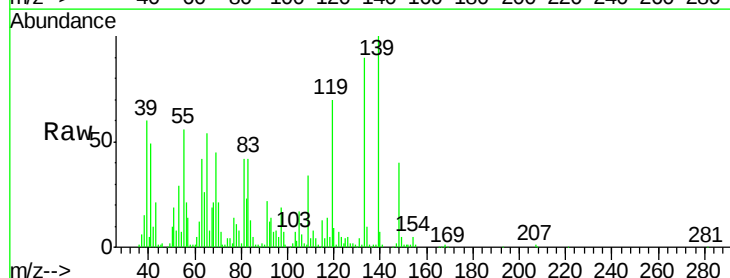
Tgt Ion: 139 Resp: 370710

Ion Ratio Lower Upper

139 100

109 33.8 23.4 35.2

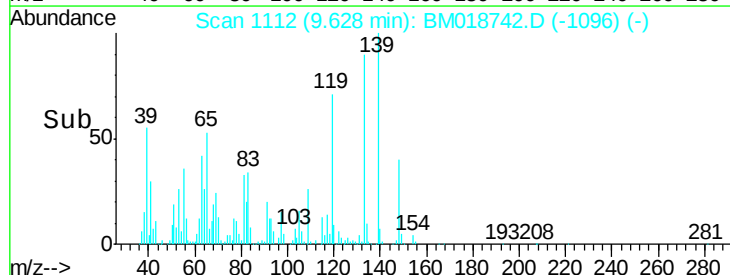
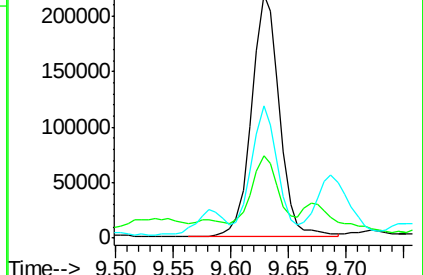
65 54.1 39.4 59.2



Abundance Ion 139.00 (138.70 to 139.70): BM018466.D (-1112) (-)

Ion 109.00 (108.70 to 109.70): BM018466.D (-1112) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-1112) (-)

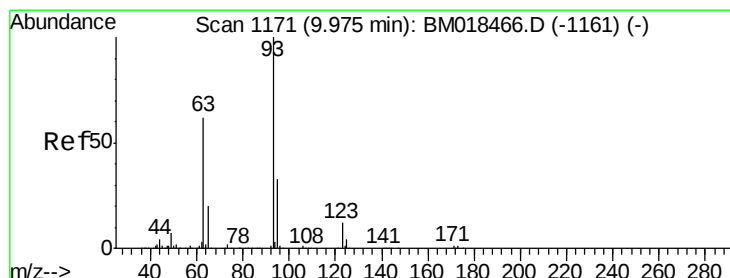
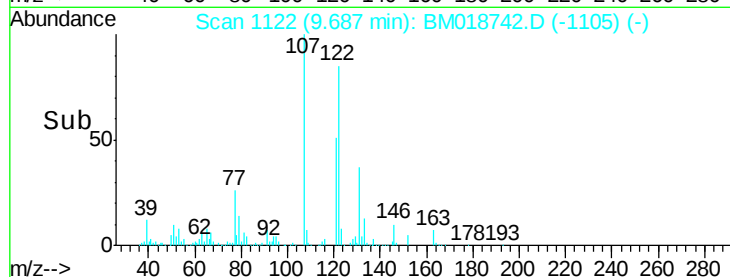
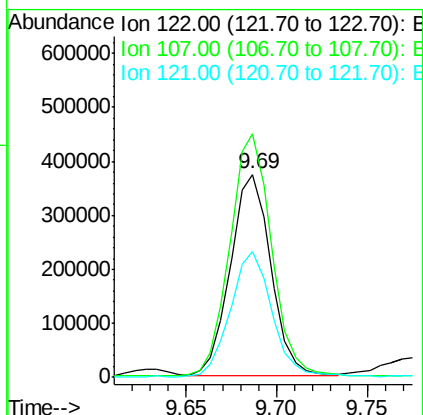
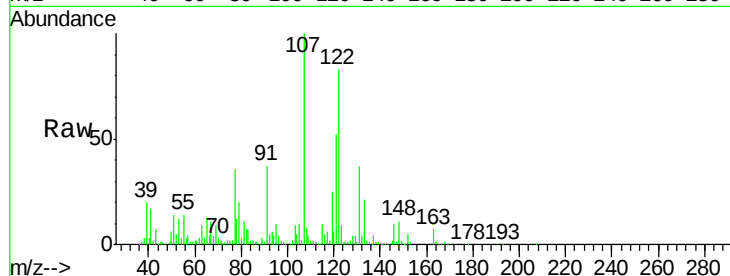




#27  
2,4-Dimethylphenol  
Concen: 57.86 ng  
RT: 9.69 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

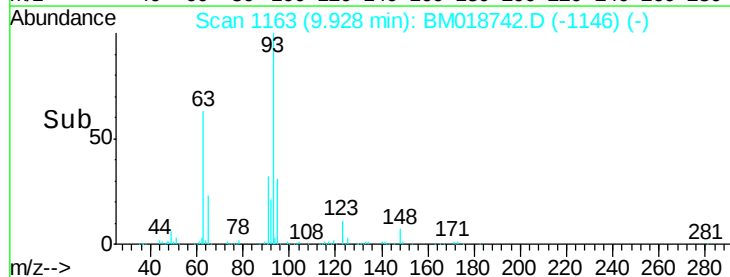
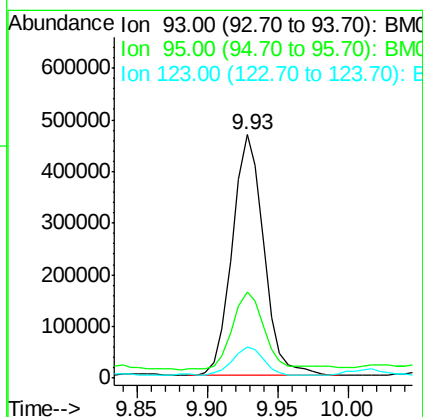
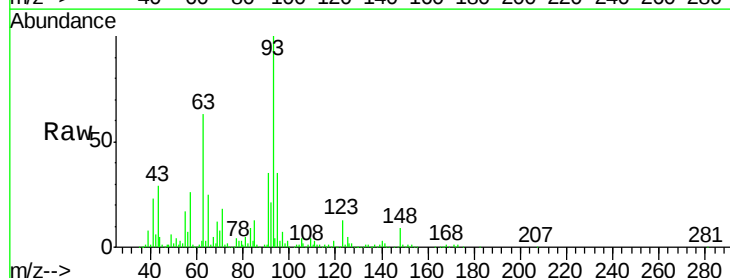
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

Tot Ion:122 Resp: 579242  
Ion Ratio Lower Upper  
122 100  
107 120.1 91.9 137.9  
121 62.0 47.5 71.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.55 ng  
RT: 9.93 min Scan# 1163  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion: 93 Resp: 727644  
Ion Ratio Lower Upper  
93 100  
95 35.5 26.6 39.8  
123 12.7 9.9 14.9

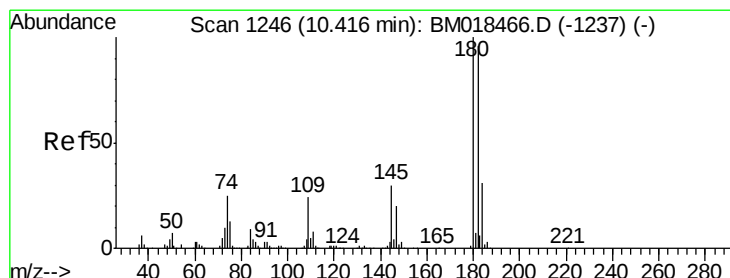
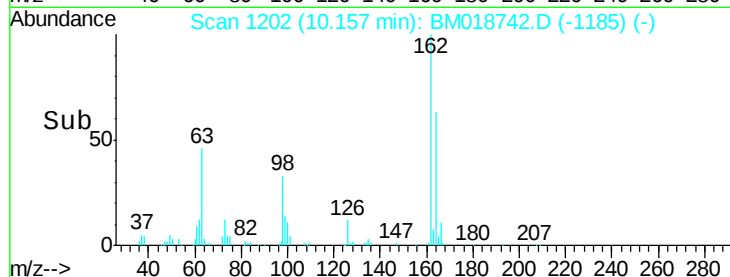
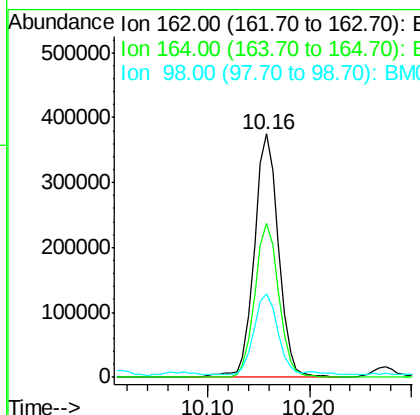
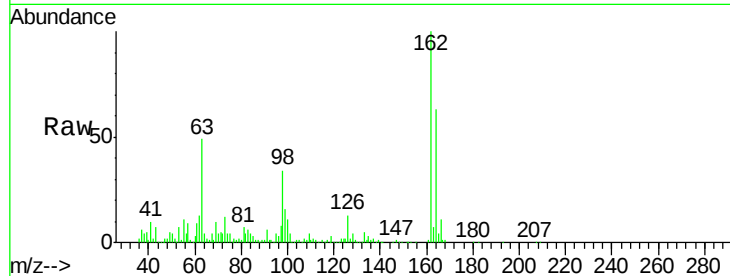




#29  
 2,4-Dichlorophenol  
 Concen: 52.12 ng  
 RT: 10.16 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: BM018742.D  
 Acq: 07 Feb 2019 17:53

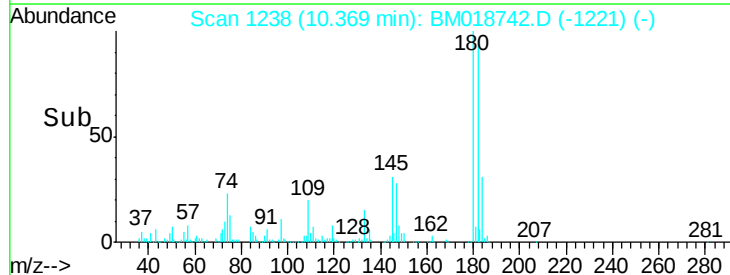
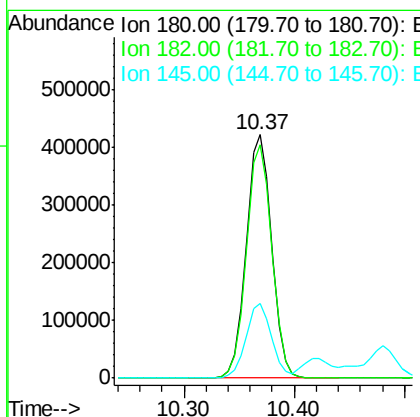
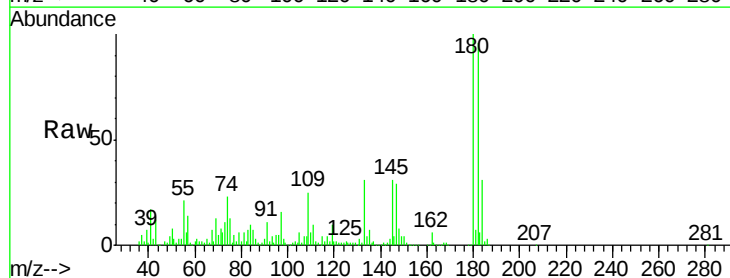
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-01(12-13)MSD

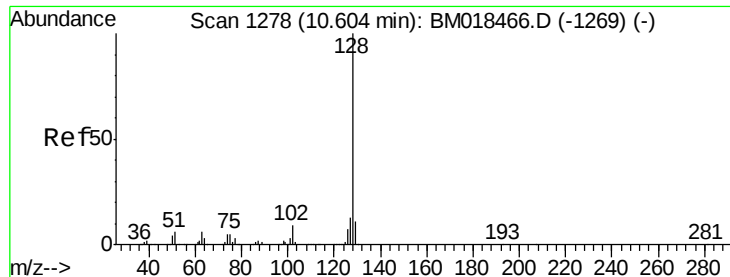
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.3  | 45.6  | 85.6  |
| 98      | 34.5  | 14.7  | 54.7  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.88 ng  
 RT: 10.37 min Scan# 1238  
 Delta R.T. 0.00 min  
 Lab File: BM018742.D  
 Acq: 07 Feb 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 77.4  | 116.2 |
| 145     | 30.6  | 24.6  | 37.0  |

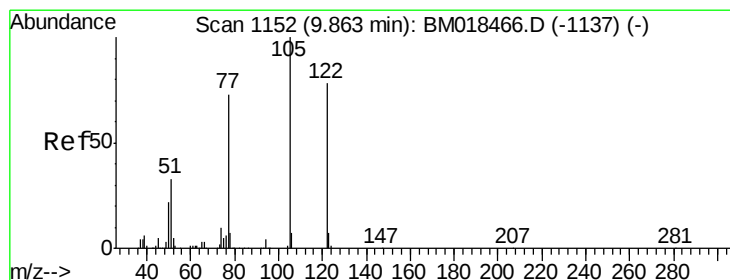
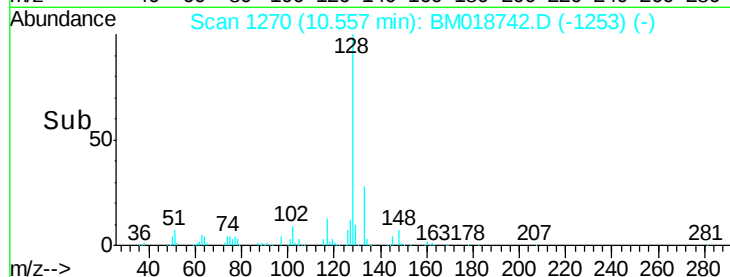
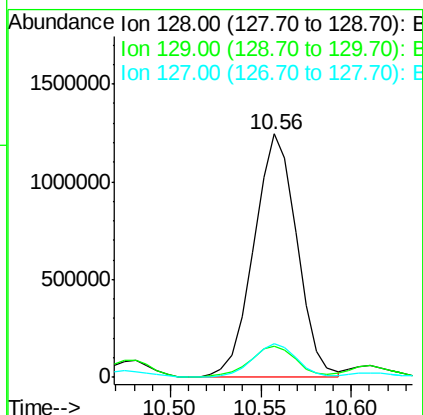
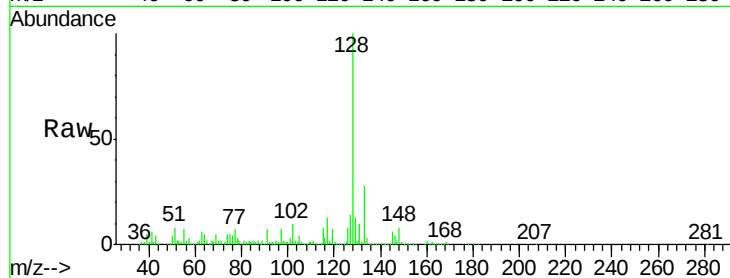




#31  
Naphthalene  
Concen: 52.18 ng  
RT: 10.56 min Scan# 1270  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

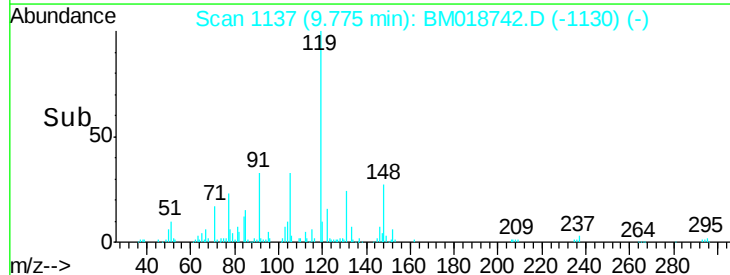
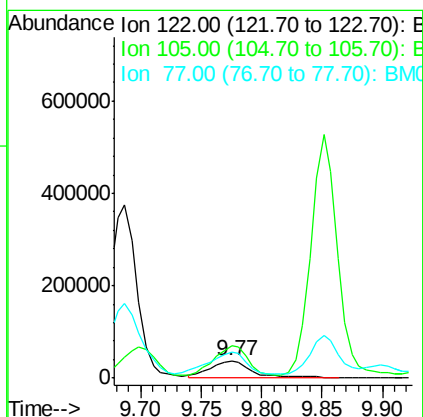
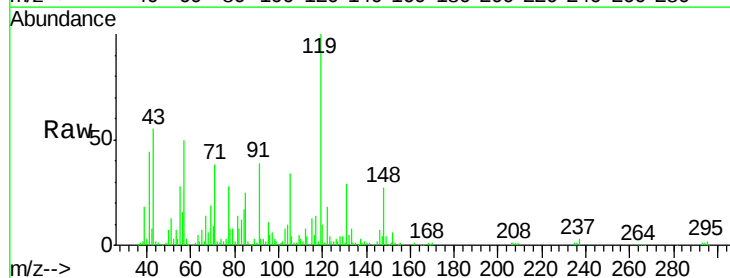
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

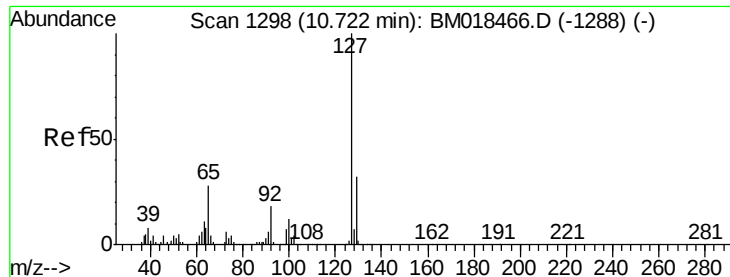
Tot Ion:128 Resp: 2045040  
Ion Ratio Lower Upper  
128 100  
129 12.9 8.7 13.1  
127 13.9 10.8 16.2



#32  
Benzoic acid  
Concen: 16.59 ng  
RT: 9.77 min Scan# 1137  
Delta R.T. -0.06 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:122 Resp: 78665  
Ion Ratio Lower Upper  
122 100  
105 191.4 100.4 140.4#  
77 154.6 71.7 111.7#

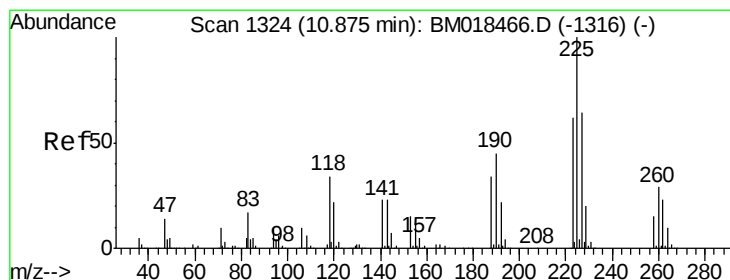
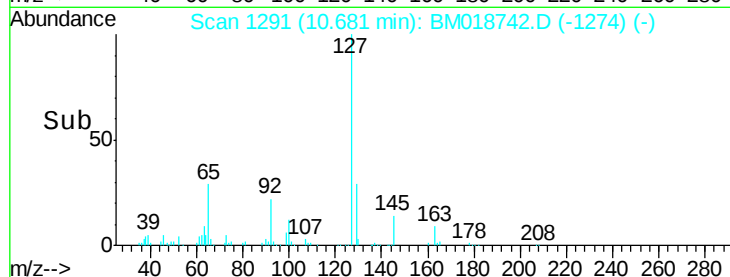
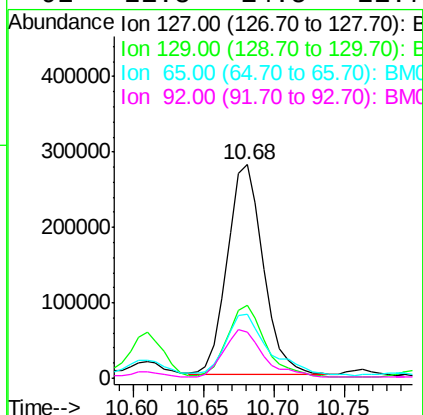
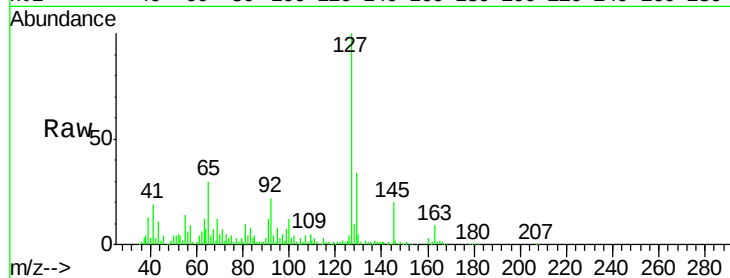




#33  
4-Chloroaniline  
Concen: 31.79 ng  
RT: 10.68 min Scan# 1291  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

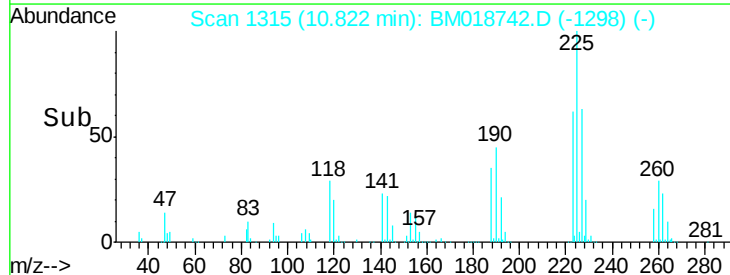
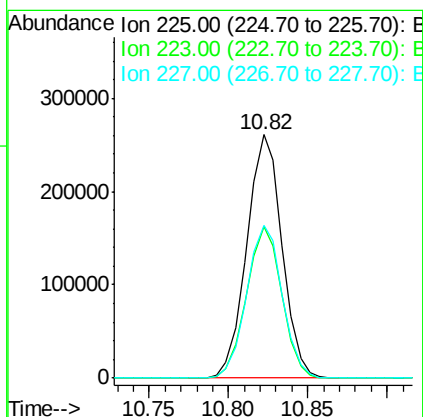
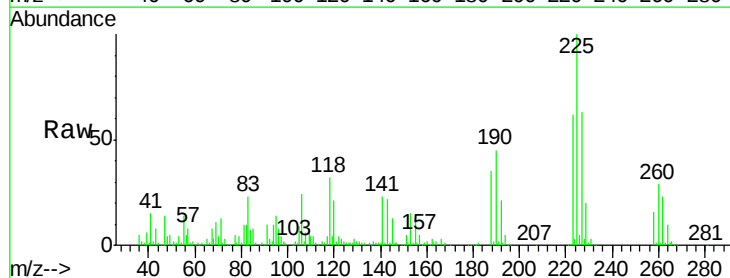
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

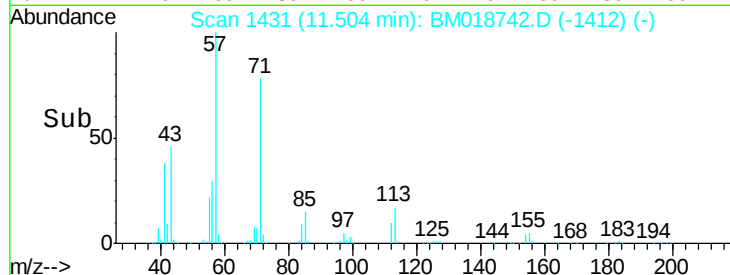
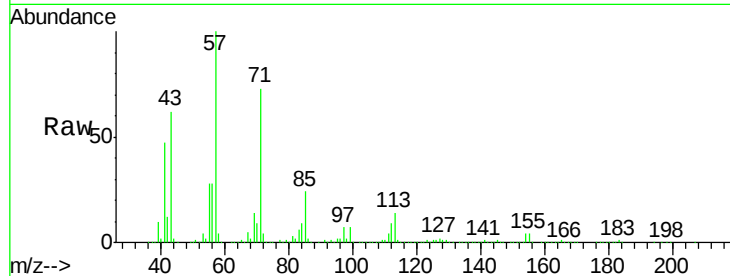
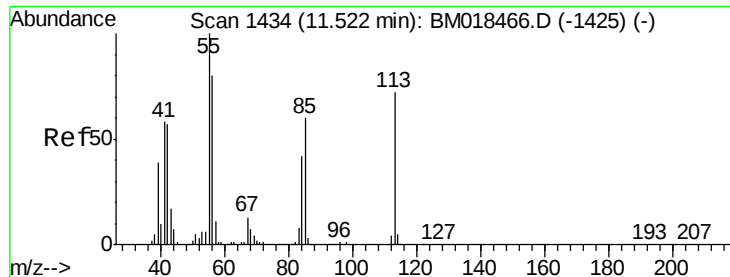
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 490668 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 34.0  | 25.9  | 38.9   |
| 65       | 30.0  | 23.4  | 35.2   |
| 92       | 21.8  | 14.5  | 21.7#  |



#34  
Hexachlorobutadiene  
Concen: 43.09 ng  
RT: 10.82 min Scan# 1315  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 402760 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.0  | 50.8  | 76.2   |
| 227      | 62.9  | 50.4  | 75.6   |





#35

Caprolactam

Concen: 73.72 ng

RT: 11.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

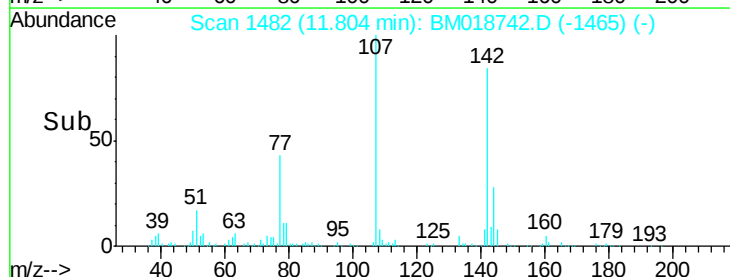
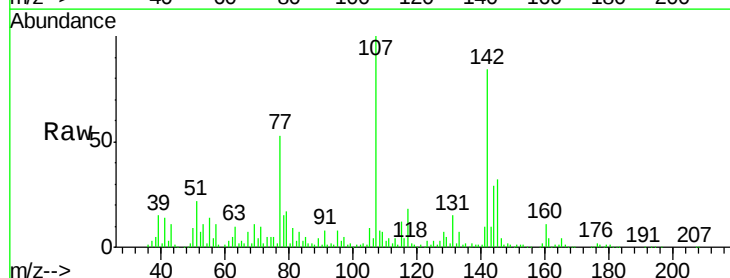
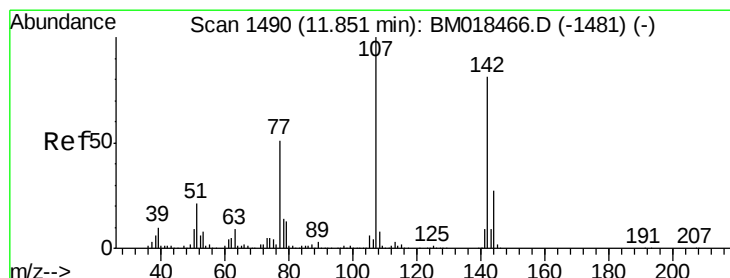
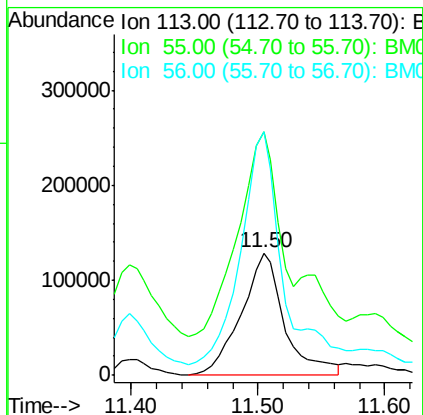
Tot Ion:113 Resp: 298796

Ion Ratio Lower Upper

113 100

55 199.0 139.3 179.3#

56 199.1 101.4 141.4#



#36

4-Chloro-3-methylphenol

Concen: 47.49 ng

RT: 11.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

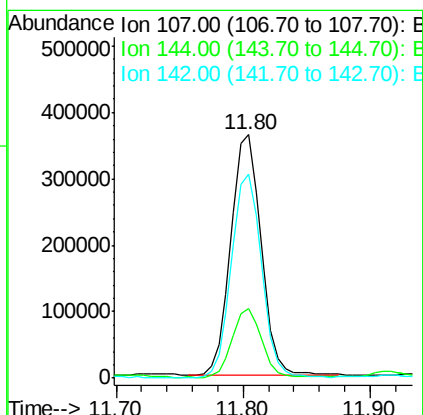
Tgt Ion:107 Resp: 593878

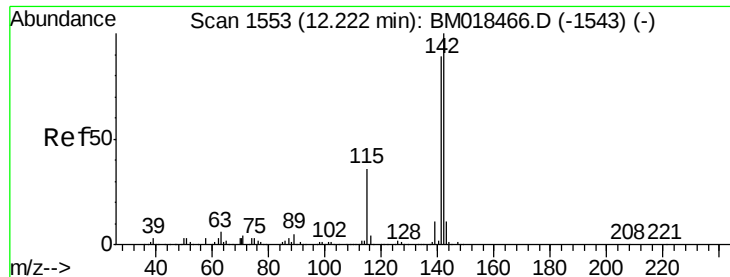
Ion Ratio Lower Upper

107 100

144 28.6 21.9 32.9

142 84.0 67.9 101.9

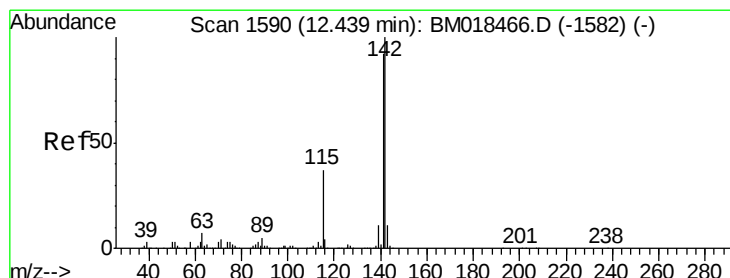
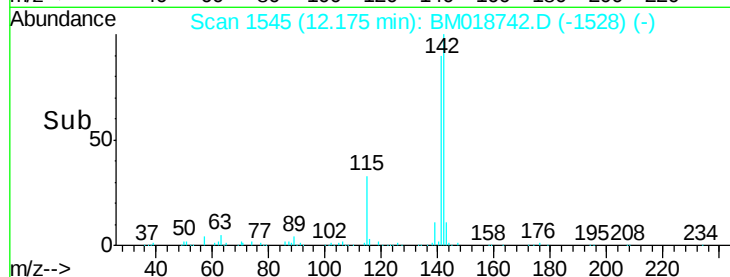
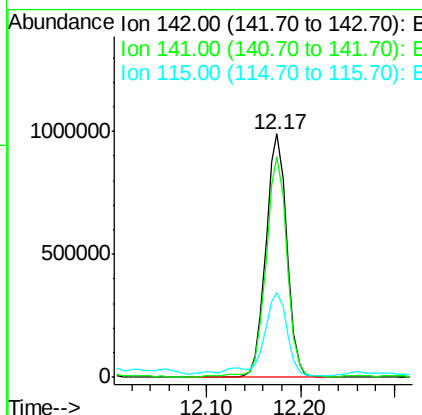
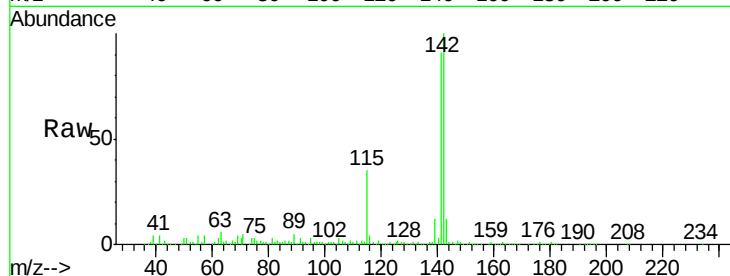




#37  
2-Methylnaphthalene  
Concen: 55.05 ng  
RT: 12.17 min Scan# 1545  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

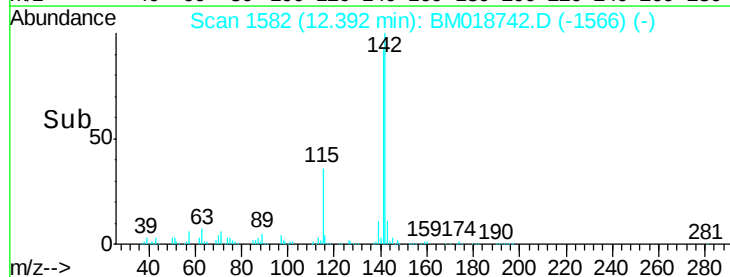
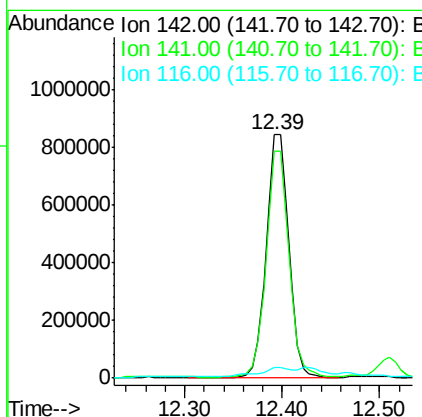
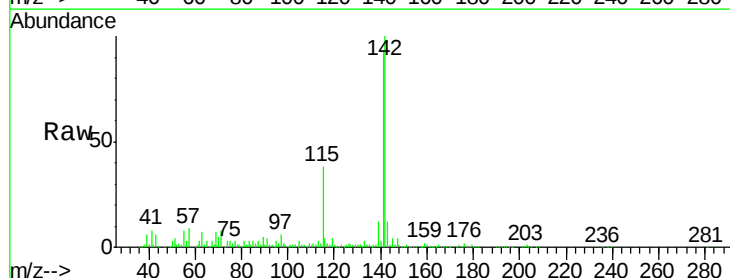
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

Tot Ion:142 Resp: 1524507  
Ion Ratio Lower Upper  
142 100  
141 90.6 71.4 107.2  
115 34.7 28.0 42.0



#38  
1-Methylnaphthalene  
Concen: 51.37 ng  
RT: 12.39 min Scan# 1582  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:142 Resp: 1376424  
Ion Ratio Lower Upper  
142 100  
141 93.4 75.6 113.4  
116 4.3 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.37 min Scan# 1918

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

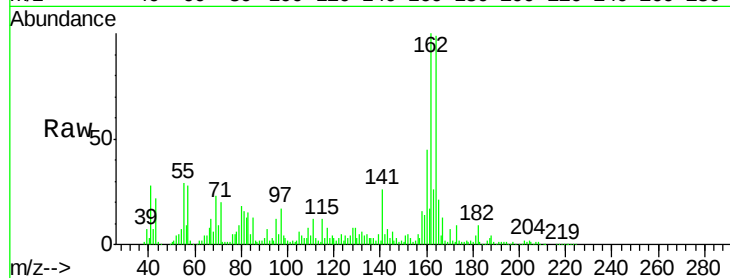
Tot Ion:164 Resp: 422684

Ion Ratio Lower Upper

164 100

162 101.2 83.0 124.4

160 45.5 37.1 55.7

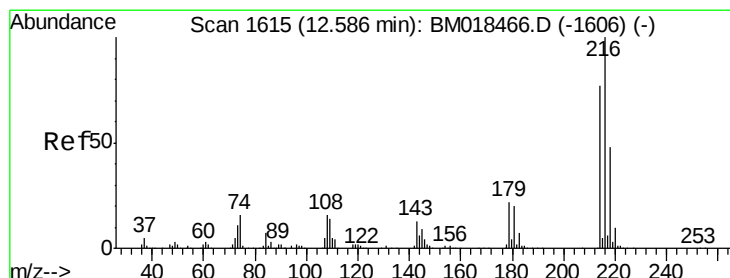
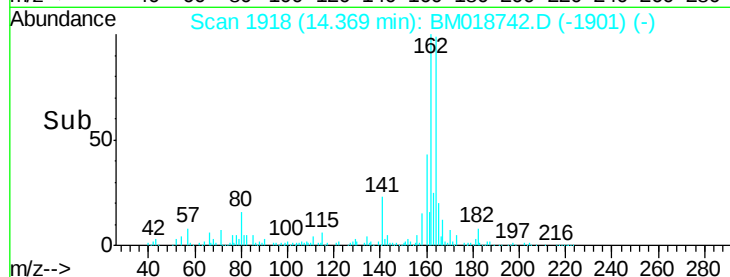
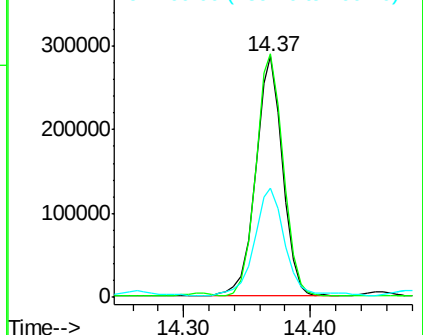


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.67 ng

RT: 12.55 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Tgt Ion:216 Resp: 704598

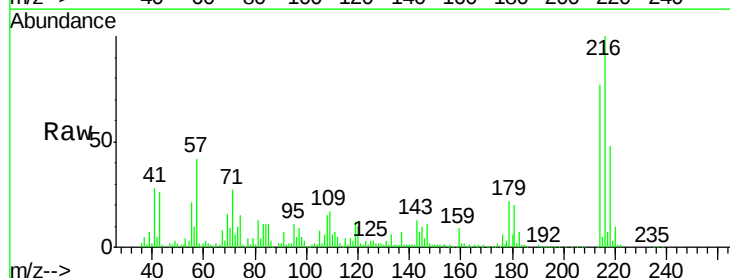
Ion Ratio Lower Upper

216 100

214 77.9 63.4 95.0

179 22.5 17.9 26.9

108 19.3 15.8 23.6



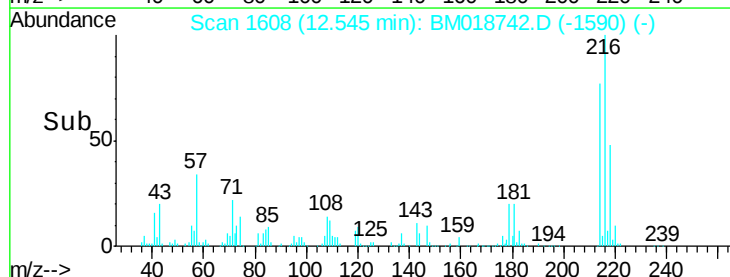
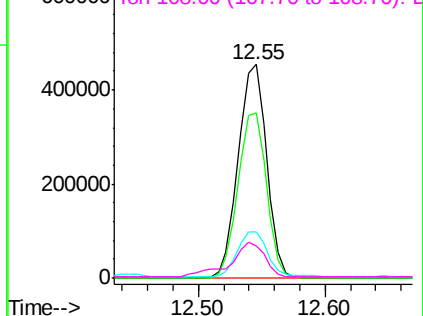
Abundance

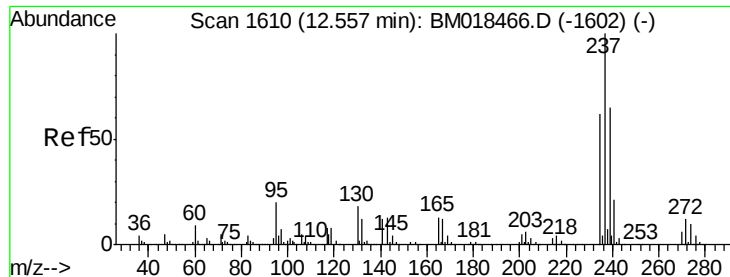
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 99.13 ng

RT: 12.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

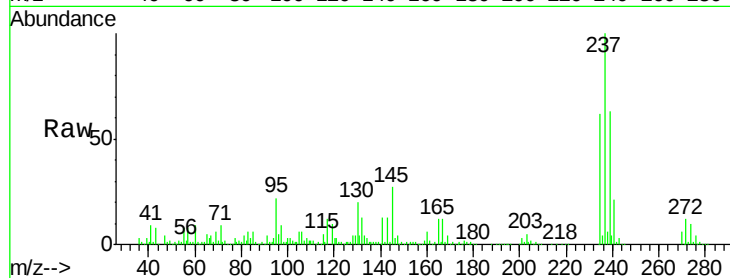
Tot Ion:237 Resp: 804193

Ion Ratio Lower Upper

237 100

235 62.5 42.8 82.8

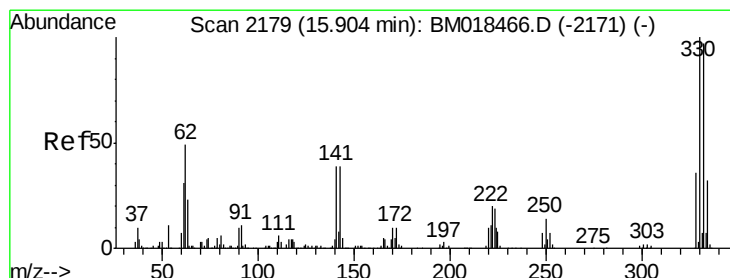
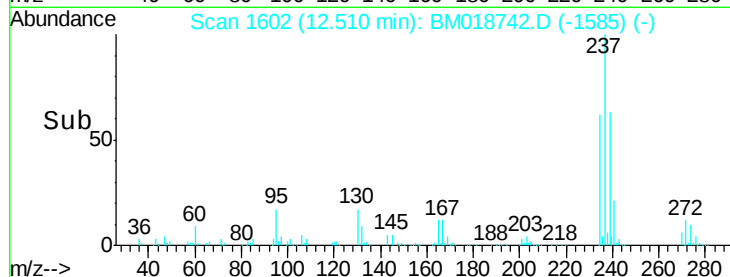
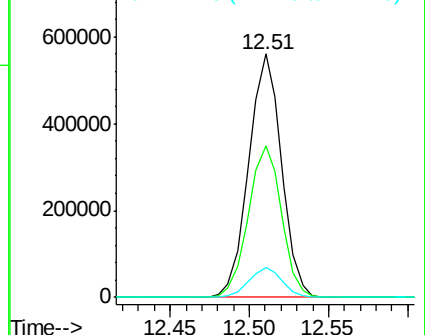
272 12.3 0.0 31.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 137.39 ng

RT: 15.86 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

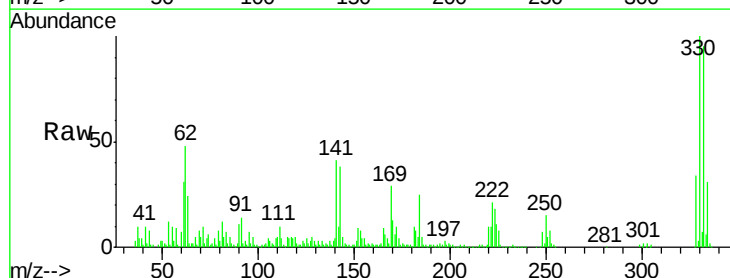
Tgt Ion:330 Resp: 739452

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

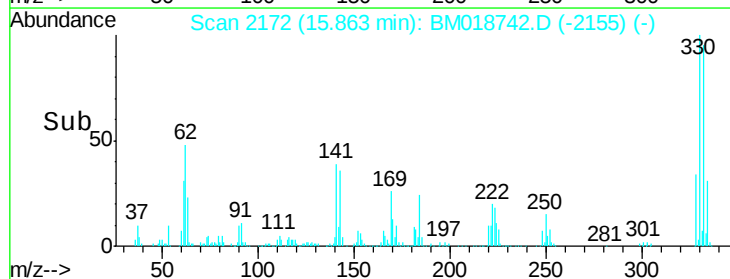
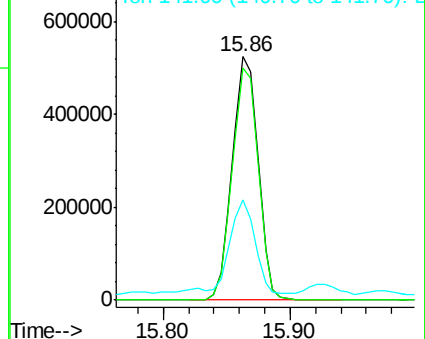
141 38.5 31.7 47.5

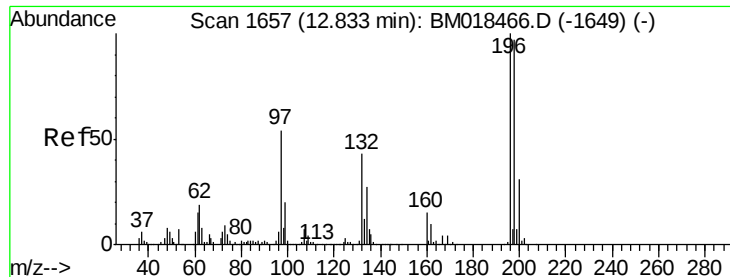


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

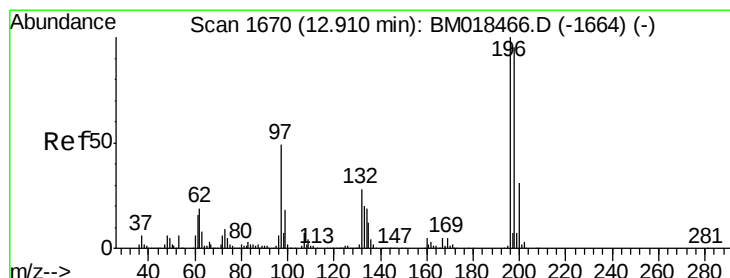
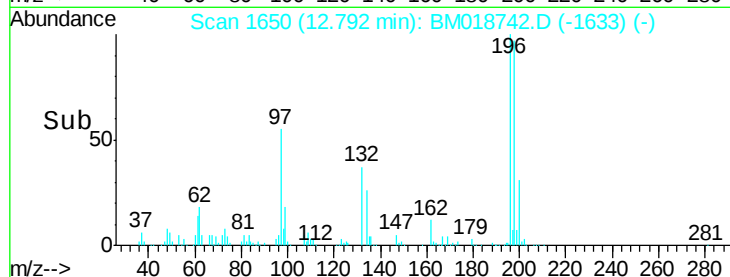
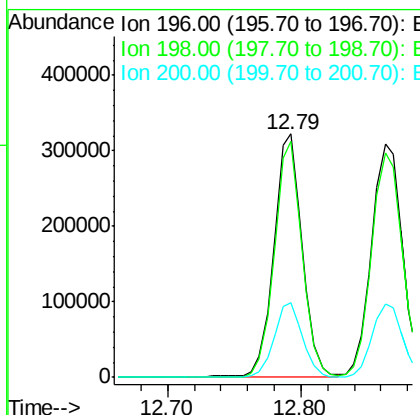
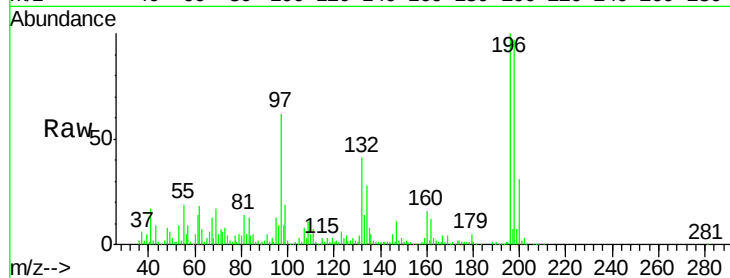




#43  
2,4,6-Trichlorophenol  
Concen: 52.89 ng  
RT: 12.79 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

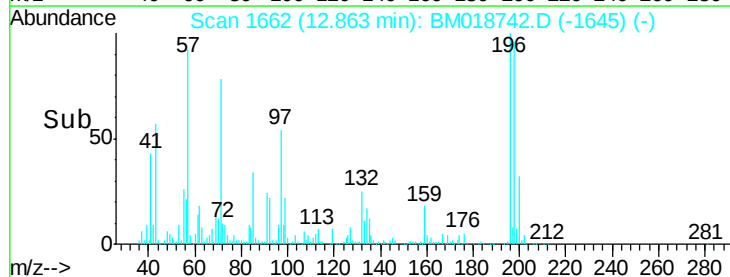
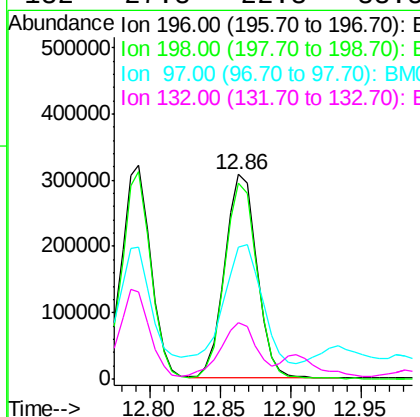
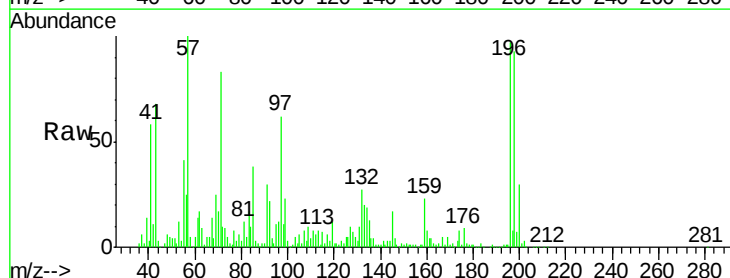
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

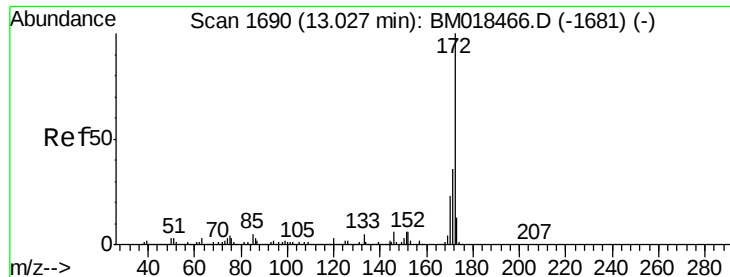
Tot Ion:196 Resp: 474726  
Ion Ratio Lower Upper  
196 100  
198 96.9 76.6 115.0  
200 30.7 24.2 36.4



#44  
2,4,5-Trichlorophenol  
Concen: 51.63 ng  
RT: 12.86 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:196 Resp: 487401  
Ion Ratio Lower Upper  
196 100  
198 96.0 76.7 115.1  
97 64.3 39.2 58.8#  
132 27.8 22.3 33.5

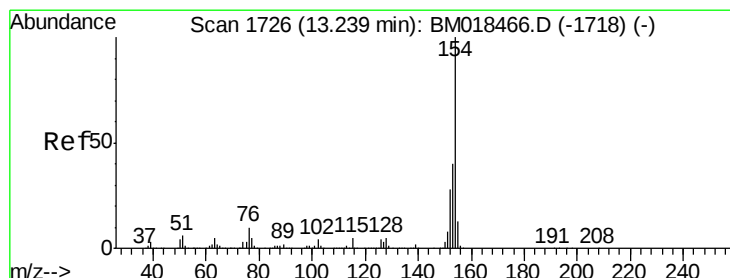
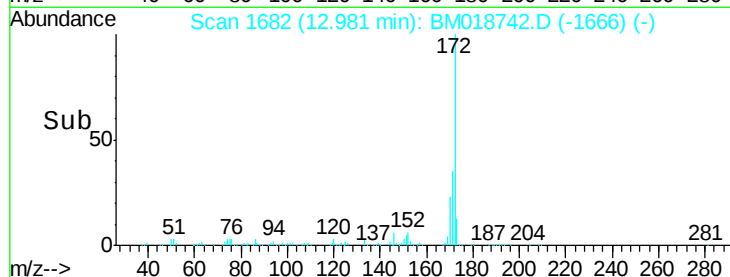
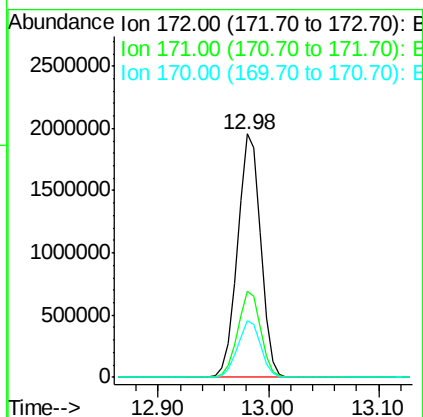
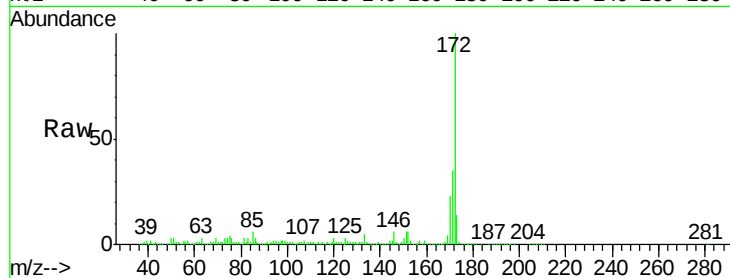




#45  
2-Fluorobiphenyl  
Concen: 88.70 ng  
RT: 12.98 min Scan# 1682  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

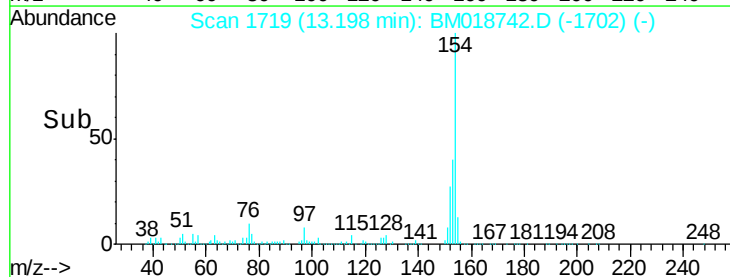
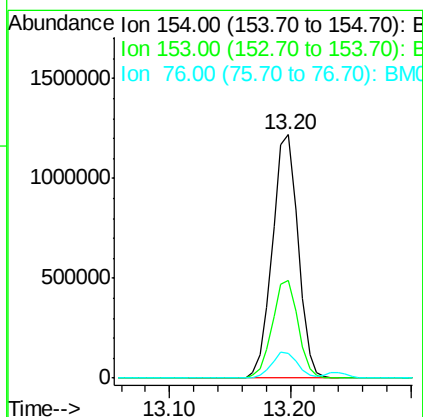
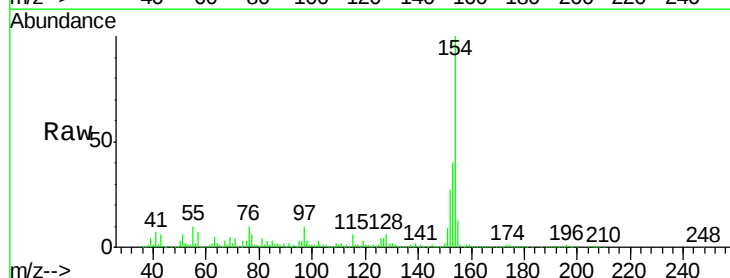
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

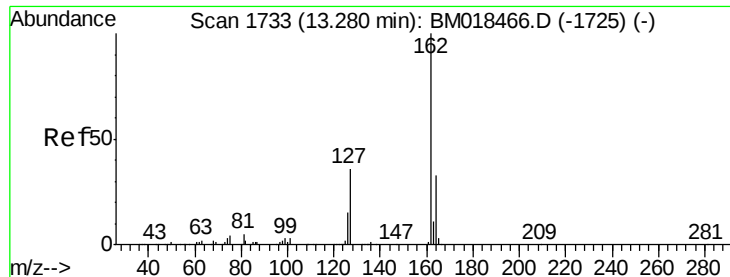
Tot Ion:172 Resp: 2873266  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.2 42.4  
170 23.1 18.9 28.3



#46  
1,1'-Biphenyl  
Concen: 48.09 ng  
RT: 13.20 min Scan# 1719  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:154 Resp: 1774797  
Ion Ratio Lower Upper  
154 100  
153 40.1 20.5 60.5  
76 10.3 0.0 31.9





#47

2-Chloronaphthalene

Concen: 46.13 ng

RT: 13.24 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

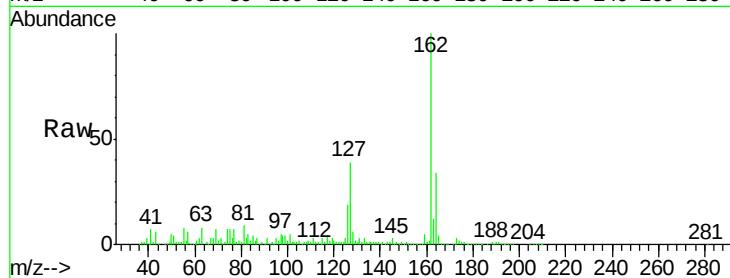
Tot Ion:162 Resp: 1320161

Ion Ratio Lower Upper

162 100

127 39.3 31.4 47.0

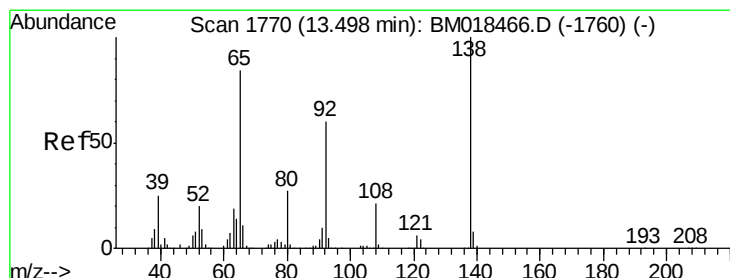
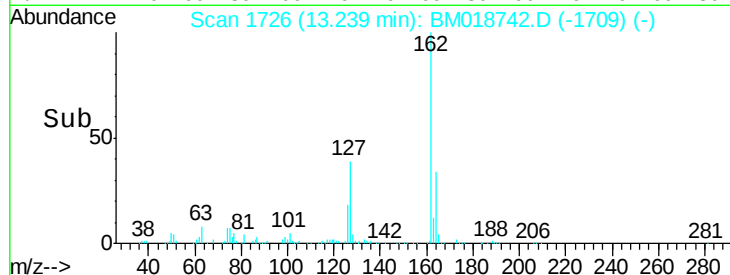
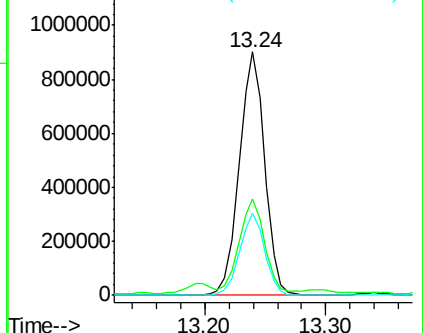
164 33.8 26.2 39.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 48.58 ng

RT: 13.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

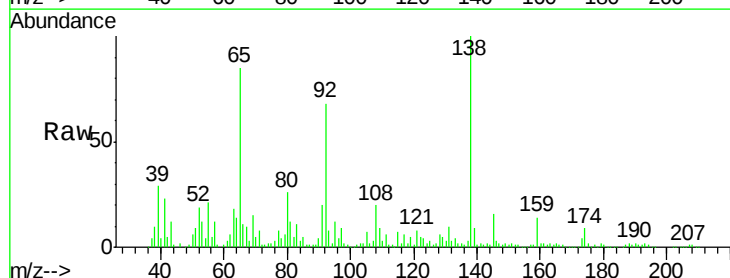
Tgt Ion: 65 Resp: 342083

Ion Ratio Lower Upper

65 100

92 80.4 53.4 80.2#

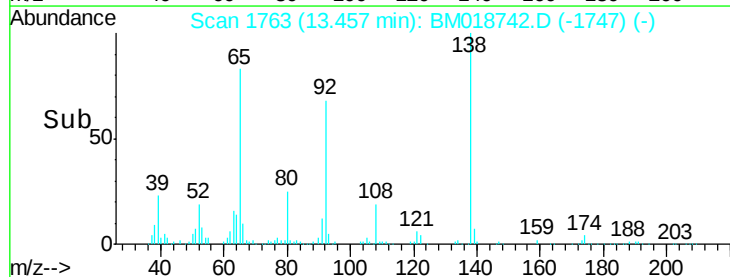
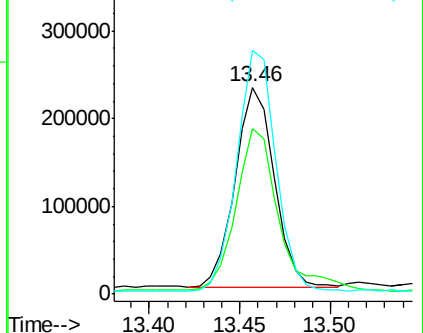
138 117.8 88.9 133.3

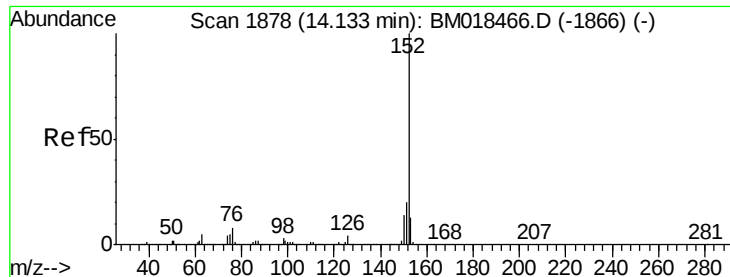


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 50.27 ng

RT: 14.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

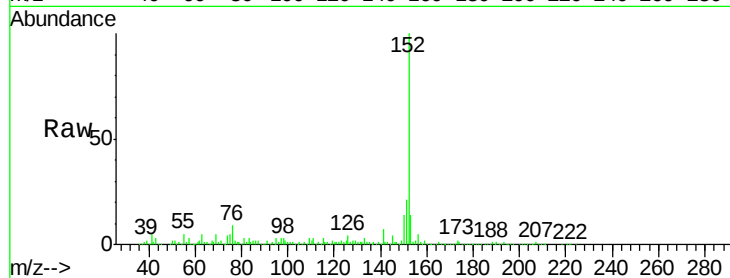
BNA\_M

ClientSampleId :

SB-01(12-13)MSD

Tot Ion:152 Resp: 2096591

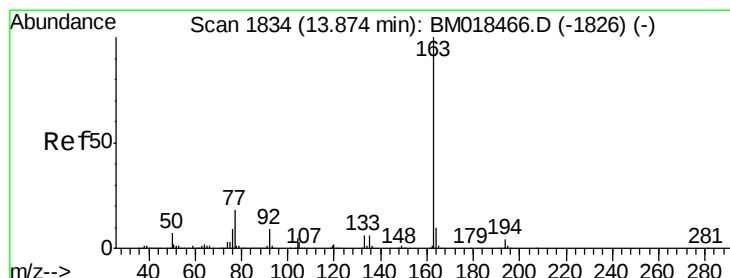
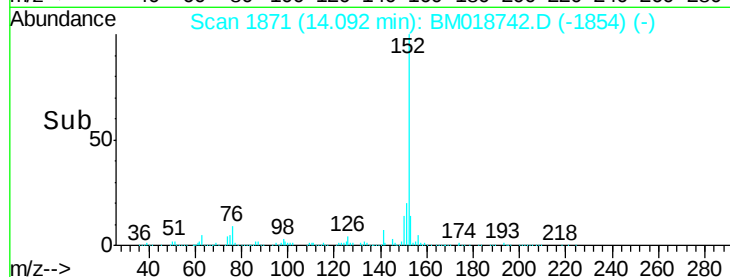
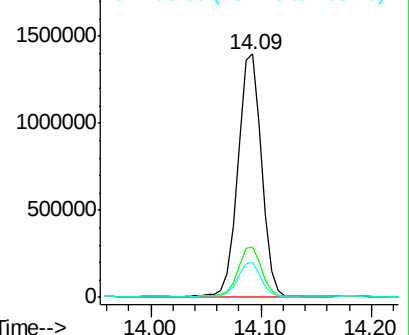
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.7  | 15.7  | 23.5  |
| 153 | 14.3  | 10.5  | 15.7  |



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 48.32 ng

RT: 13.83 min Scan# 1827

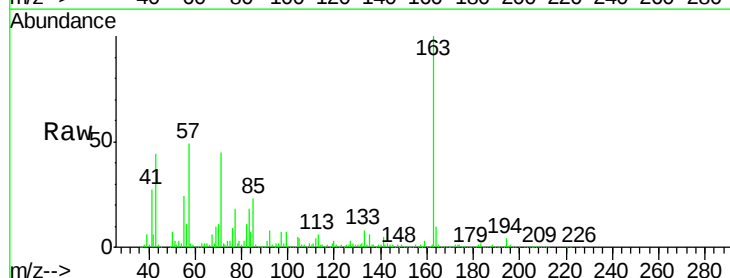
Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Tgt Ion:163 Resp: 1677517

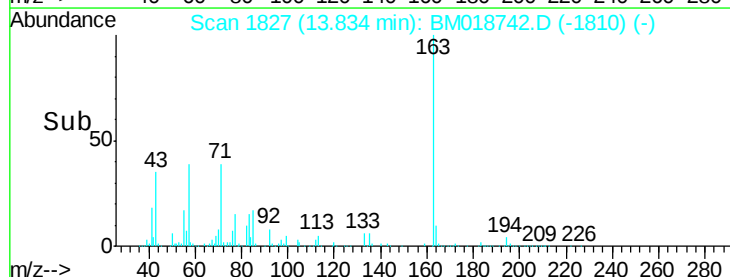
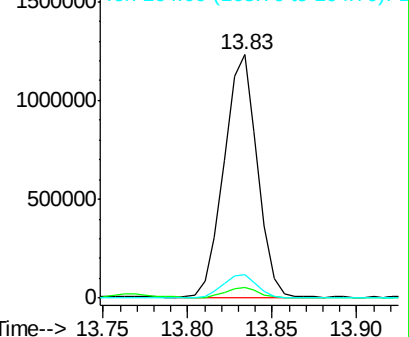
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.2   | 3.0   | 4.6   |
| 164 | 9.8   | 7.8   | 11.8  |

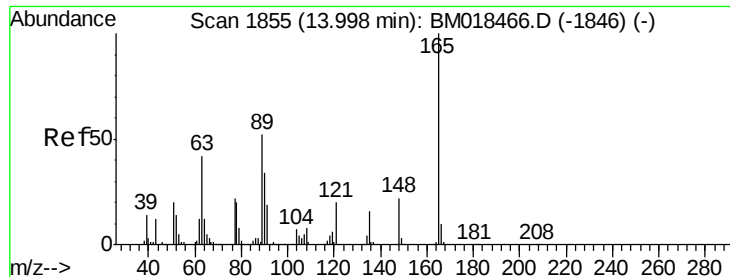


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

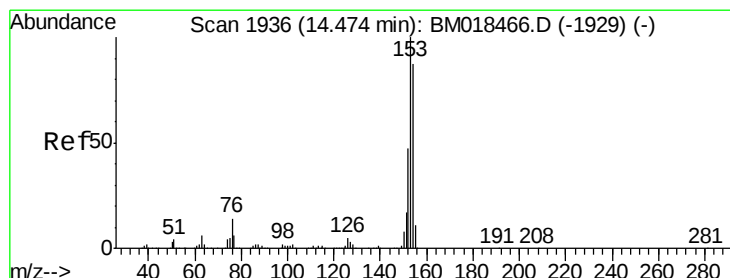
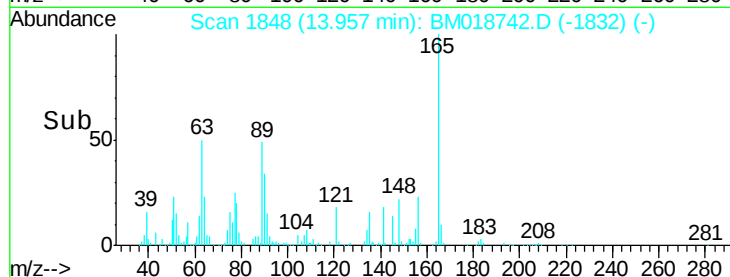
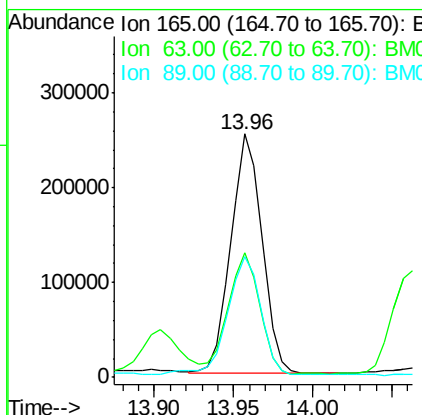
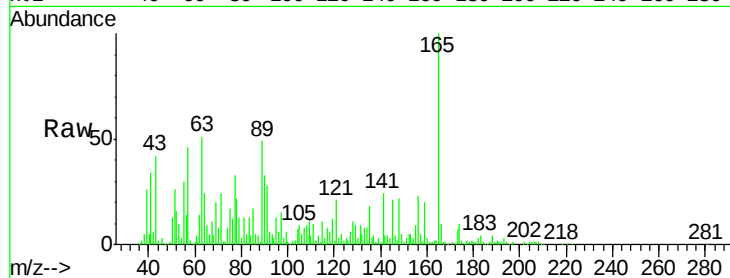




#51  
2,6-Dinitrotoluene  
Concen: 46.90 ng  
RT: 13.96 min Scan# 1848  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

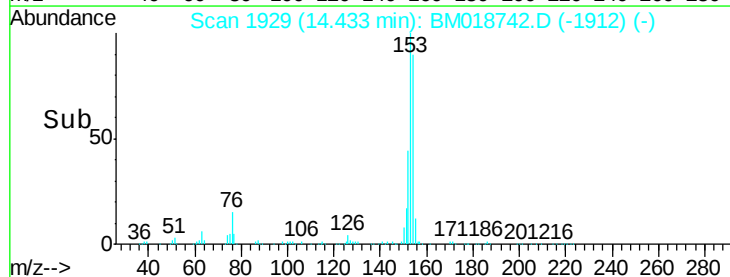
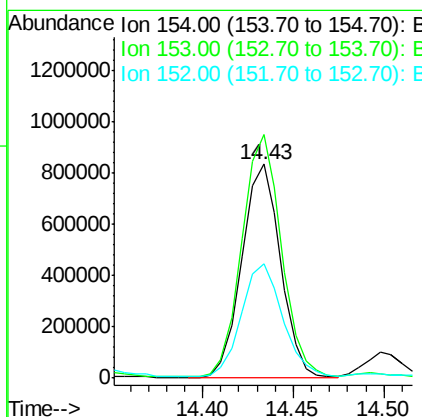
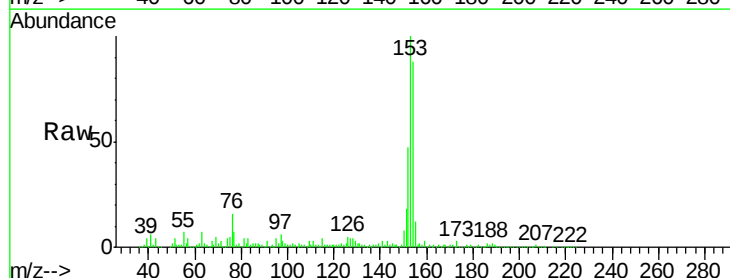
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

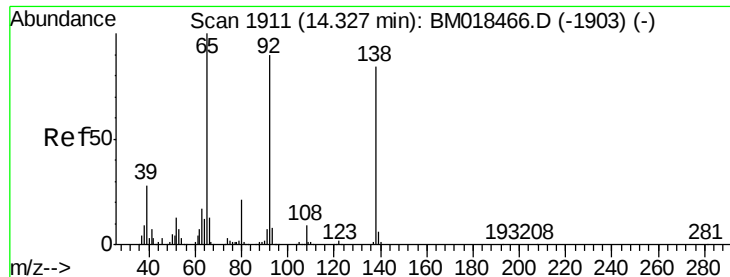
Tot Ion:165 Resp: 344892  
Ion Ratio Lower Upper  
165 100  
63 51.4 45.6 68.4  
89 49.4 44.6 66.8



#52  
Acenaphthene  
Concen: 48.34 ng  
RT: 14.43 min Scan# 1929  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:154 Resp: 1233522  
Ion Ratio Lower Upper  
154 100  
153 113.7 92.3 138.5  
152 53.6 43.8 65.6

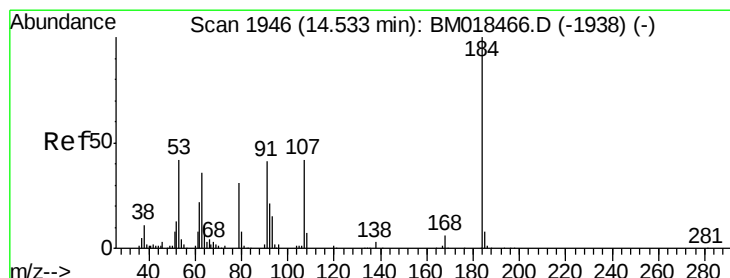
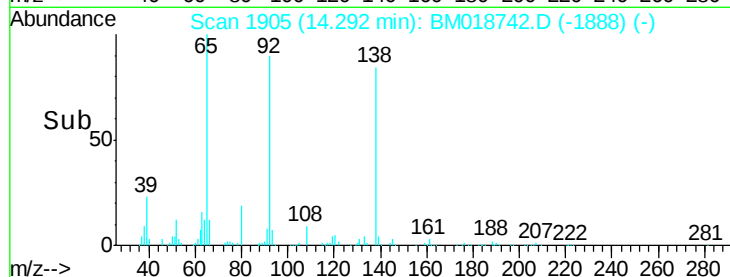
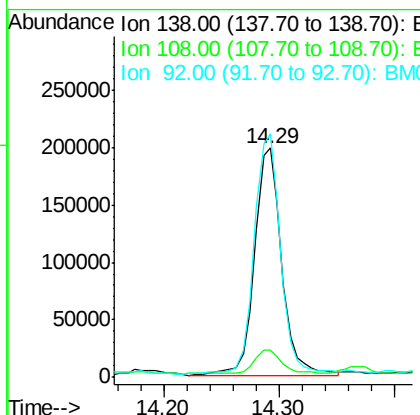
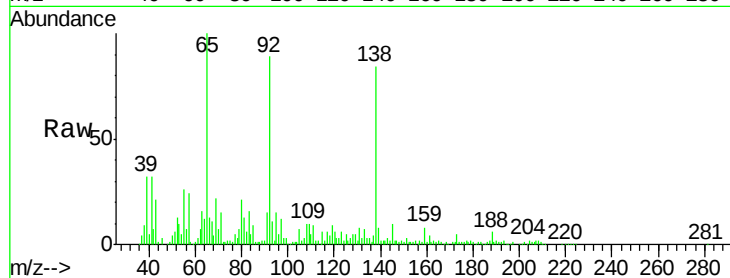




#53  
3-Nitroaniline  
Concen: 43.62 ng  
RT: 14.29 min Scan# 1905  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

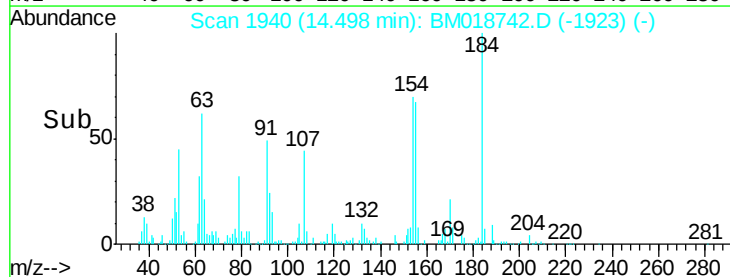
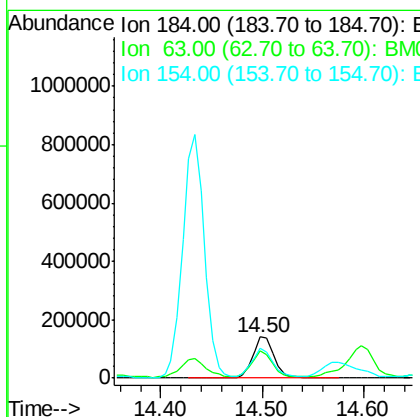
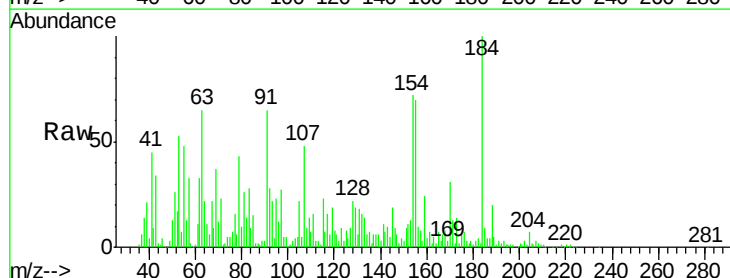
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

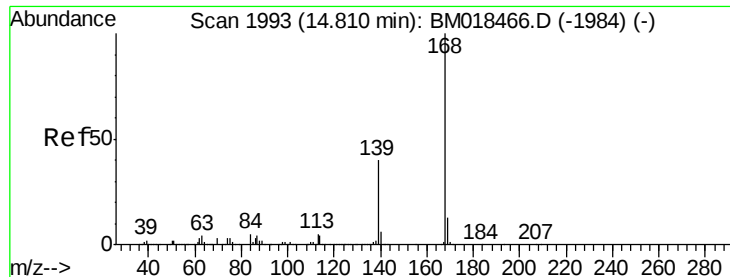
Tot Ion:138 Resp: 323360  
Ion Ratio Lower Upper  
138 100  
108 11.9 9.1 13.7  
92 106.4 88.2 132.2



#54  
2,4-Dinitrophenol  
Concen: 55.23 ng  
RT: 14.50 min Scan# 1940  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:184 Resp: 210087  
Ion Ratio Lower Upper  
184 100  
63 65.2 55.9 83.9  
154 72.0 54.2 81.4

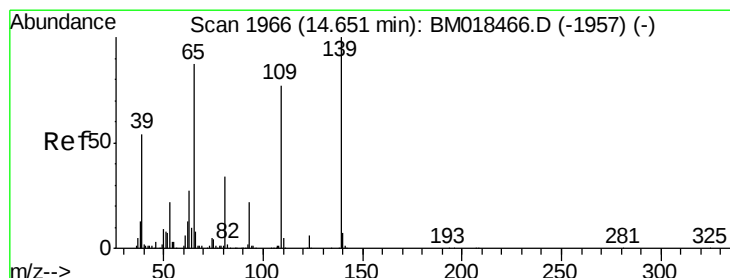
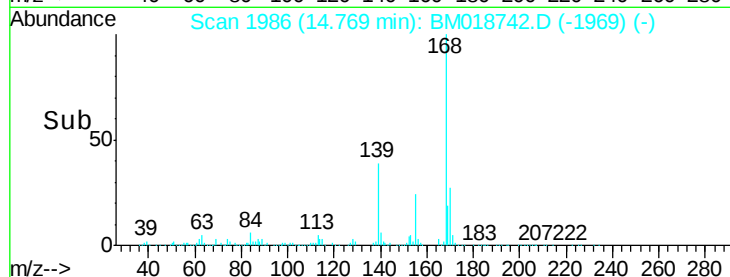
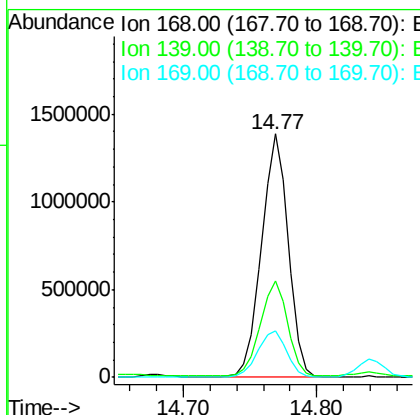
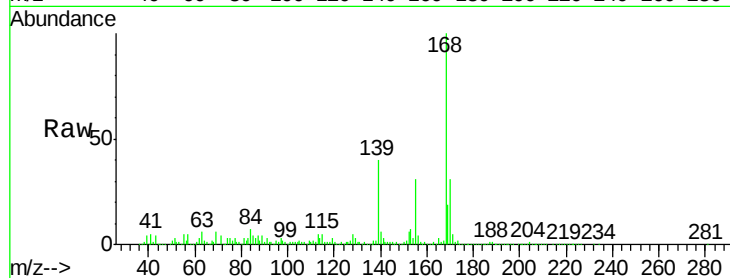




#55  
Dibenzofuran  
Concen: 45.31 ng  
RT: 14.77 min Scan# 1986  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

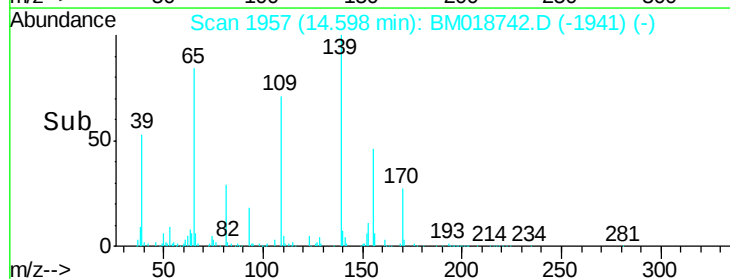
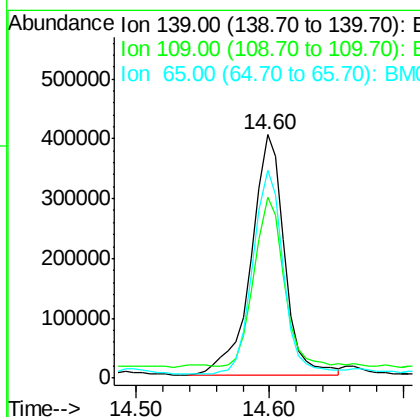
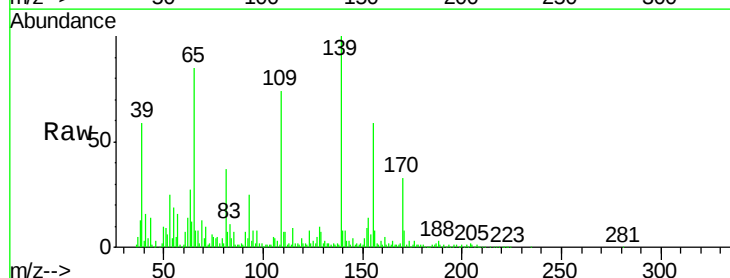
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

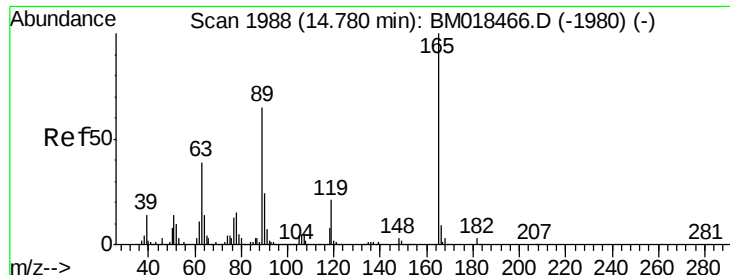
Tot Ion:168 Resp: 1910340  
Ion Ratio Lower Upper  
168 100  
139 39.7 30.3 45.5  
169 19.2 10.6 16.0#



#56  
4-Nitrophenol  
Concen: 108.07 ng  
RT: 14.60 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:139 Resp: 692112  
Ion Ratio Lower Upper  
139 100  
109 74.5 51.7 91.7  
65 85.4 71.4 111.4

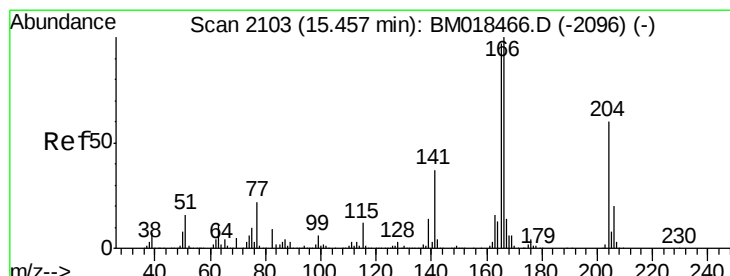
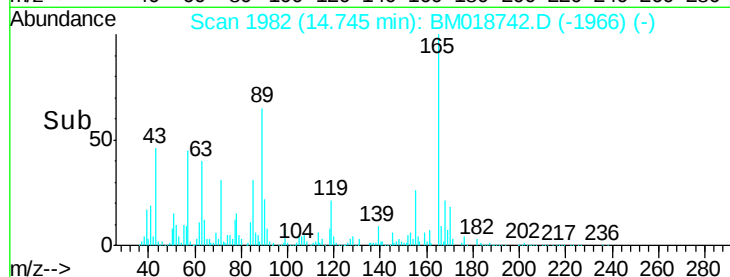
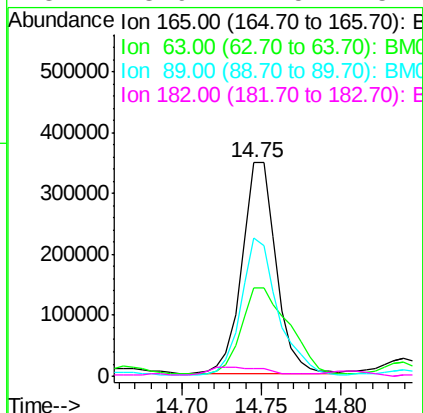
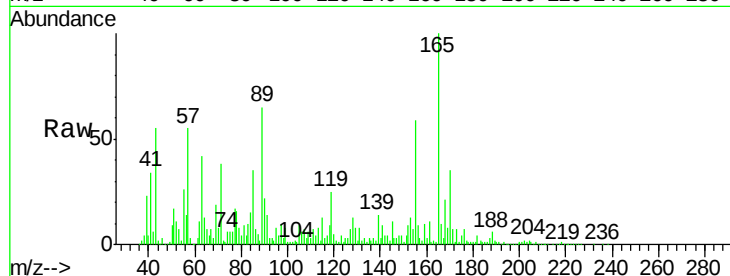




#57  
2,4-Dinitrotoluene  
Concen: 49.89 ng  
RT: 14.75 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

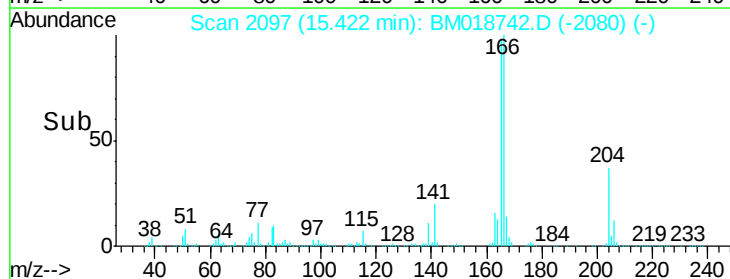
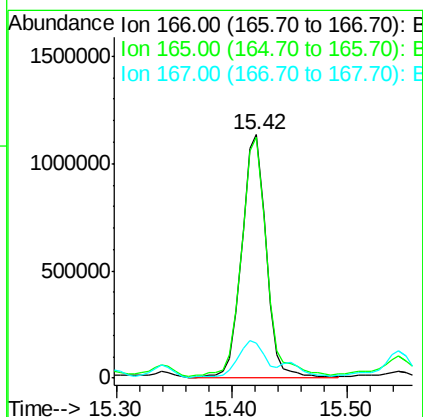
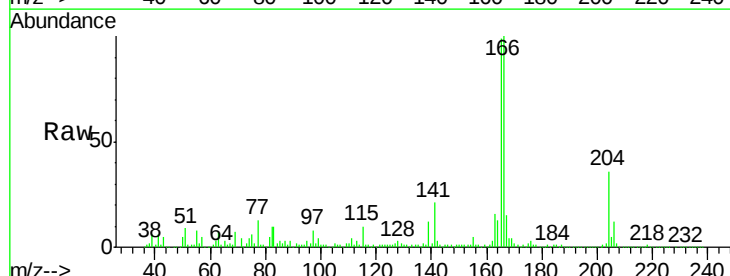
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

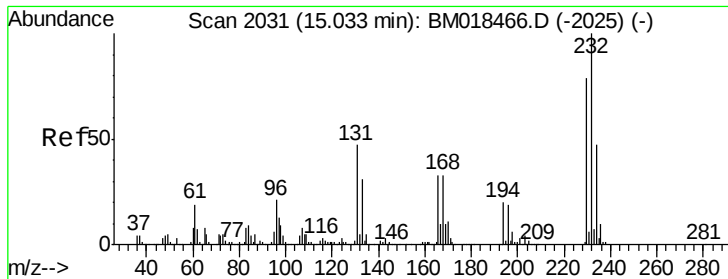
Tot Ion:165 Resp: 519076  
Ion Ratio Lower Upper  
165 100  
63 41.6 32.2 48.2  
89 64.7 52.1 78.1  
182 3.9 2.5 3.7#



#58  
Fluorene  
Concen: 52.32 ng  
RT: 15.42 min Scan# 2097  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:166 Resp: 1643503  
Ion Ratio Lower Upper  
166 100  
165 98.9 78.3 117.5  
167 14.5 10.9 16.3

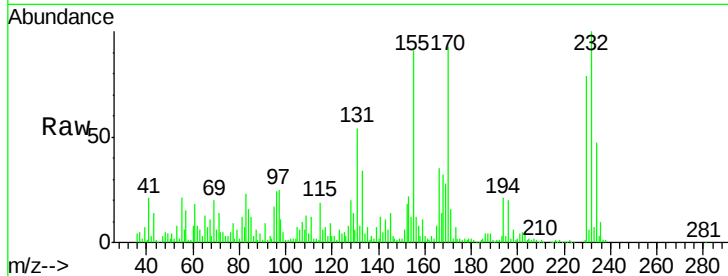




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.51 ng  
 RT: 14.99 min Scan# 2024  
 Delta R.T. -0.01 min  
 Lab File: BM018742.D  
 Acq: 07 Feb 2019 17:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-01(12-13)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 58.1  | 38.6  | 57.8# |
| 130     | 10.1  | 2.2   | 3.4#  |
| 166     | 33.2  | 27.2  | 40.8  |

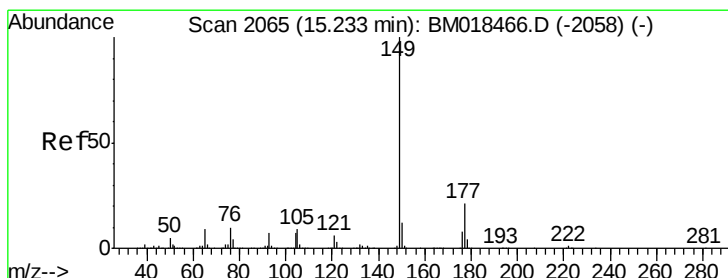
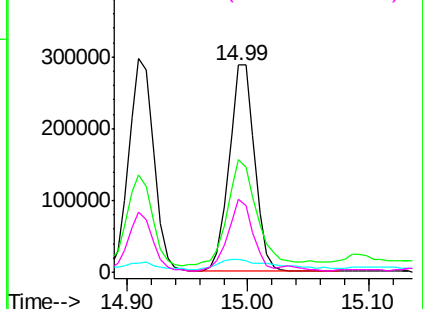
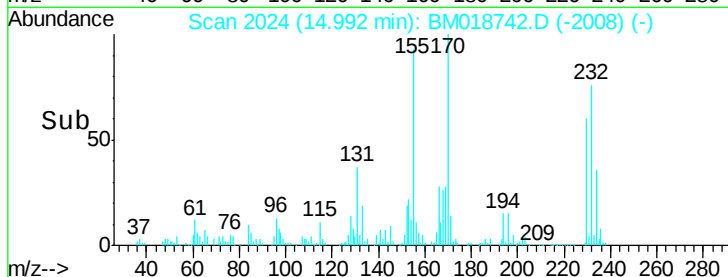


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

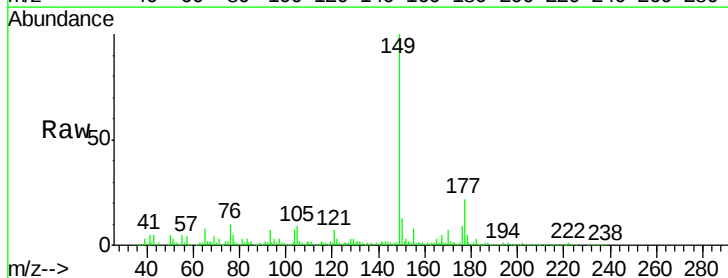
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 42.64 ng  
 RT: 15.20 min Scan# 2059  
 Delta R.T. 0.00 min  
 Lab File: BM018742.D  
 Acq: 07 Feb 2019 17:53

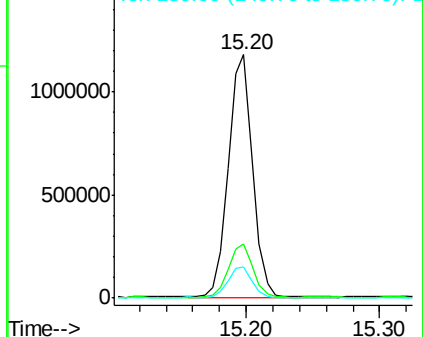
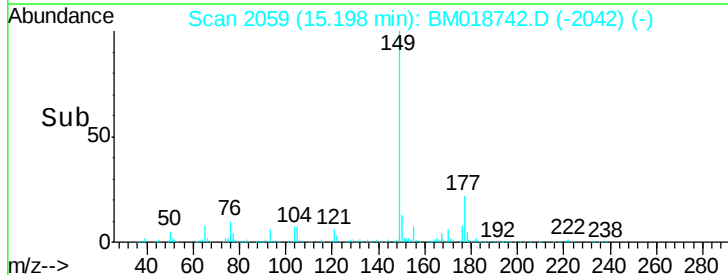
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.5  | 17.1  | 25.7  |
| 150     | 12.7  | 9.8   | 14.6  |

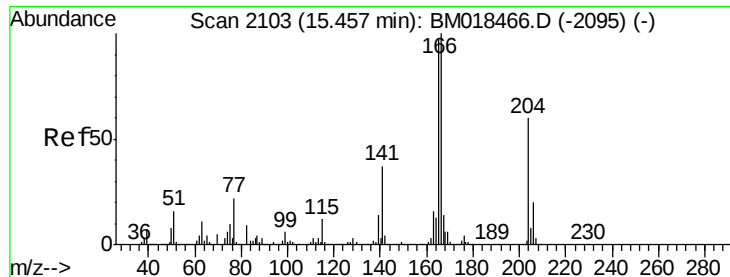


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

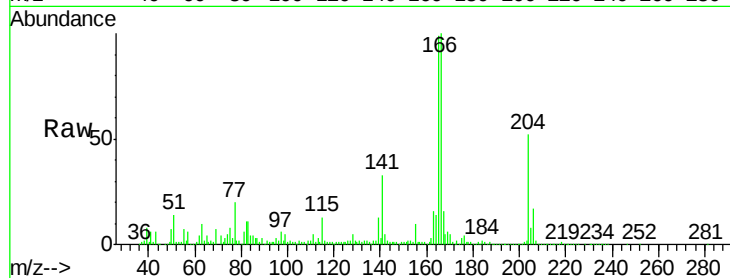




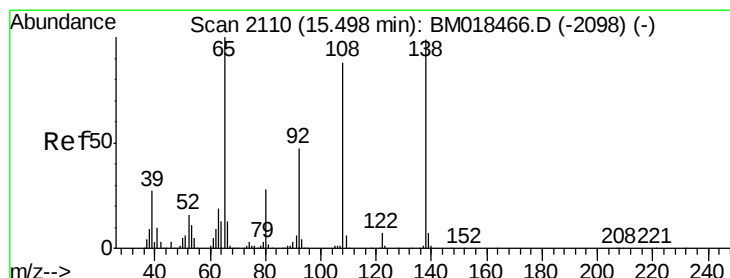
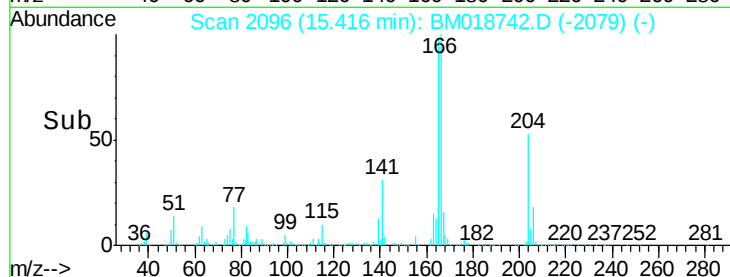
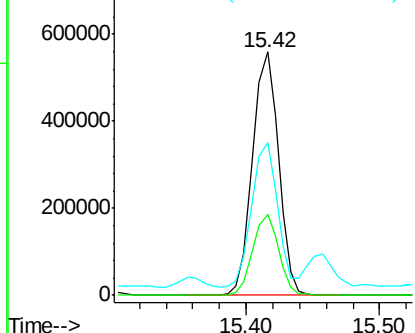
#61  
4-Chlorophenyl-phenylether  
Concen: 41.32 ng  
RT: 15.42 min Scan# 2096  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

Tot Ion:204 Resp: 748053  
Ion Ratio Lower Upper  
204 100  
206 33.5 25.8 38.6  
141 63.0 49.5 74.3

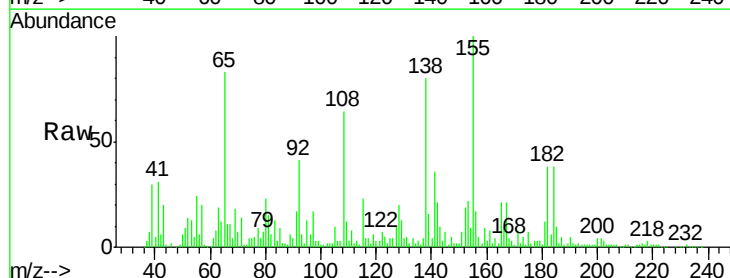


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

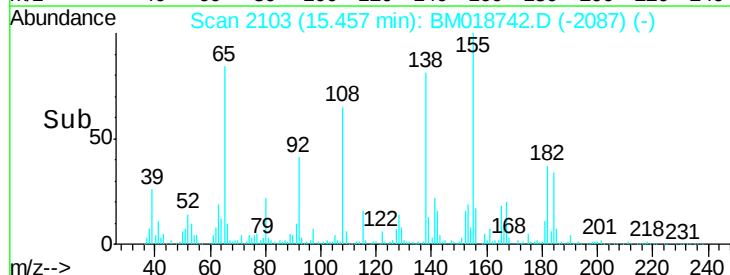
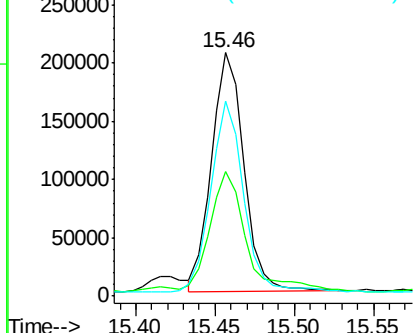


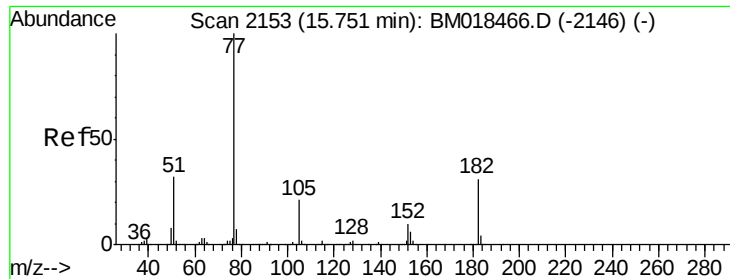
#62  
4-Nitroaniline  
Concen: 36.11 ng  
RT: 15.46 min Scan# 2103  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:138 Resp: 291972  
Ion Ratio Lower Upper  
138 100  
92 51.4 29.0 69.0  
108 80.3 63.9 103.9



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BM0  
Ion 108.00 (107.70 to 108.70): E

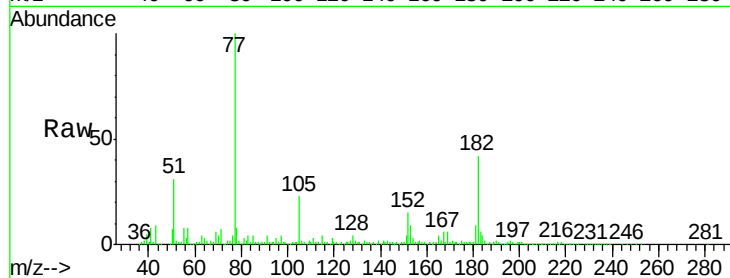




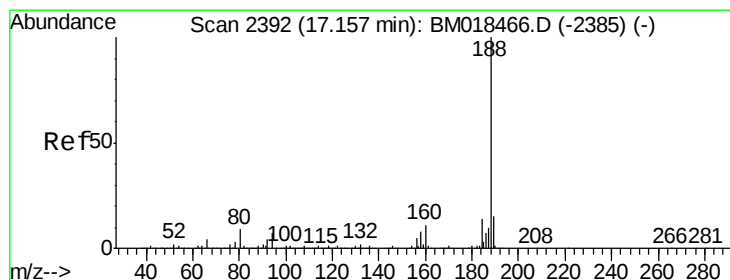
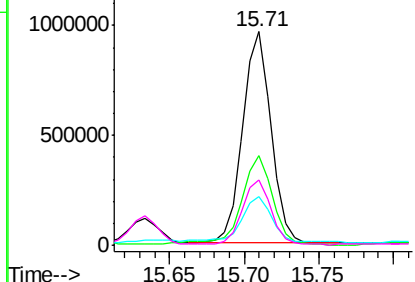
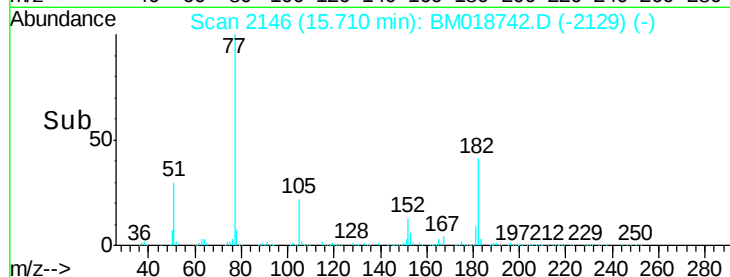
#63  
Azobenzene  
Concen: 44.18 ng  
RT: 15.71 min Scan# 2146  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

Tot Ion: 77 Resp: 1262178  
Ion Ratio Lower Upper  
77 100  
182 41.7 7.4 47.4  
105 22.9 0.0 39.6  
51 30.7 12.0 52.0

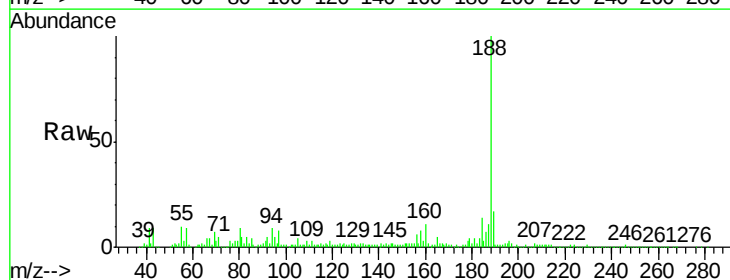


Abundance Ion 77.00 (76.70 to 77.70): BM018742.D (-2129) (-)  
Ion 182.00 (181.70 to 182.70): BM018742.D (-2129) (-)  
Ion 105.00 (104.70 to 105.70): BM018742.D (-2129) (-)  
Ion 51.00 (50.70 to 51.70): BM018742.D (-2129) (-)

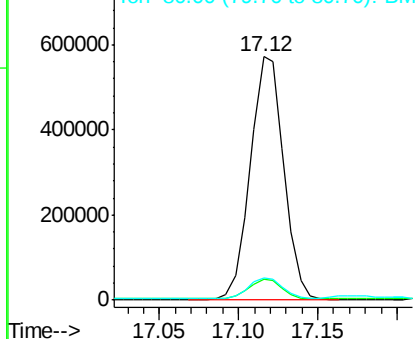
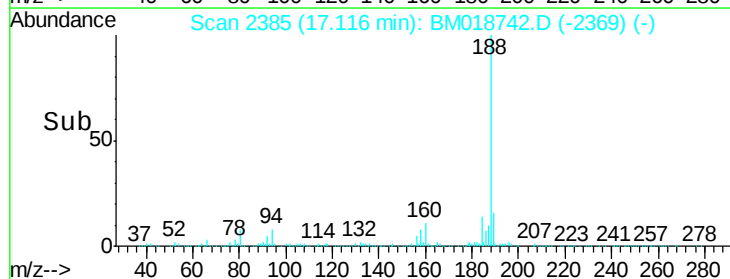


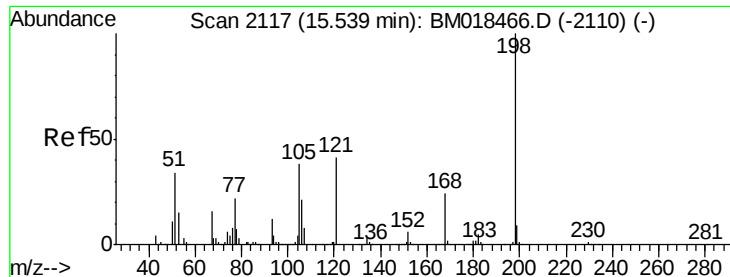
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.12 min Scan# 2385  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion: 188 Resp: 833168  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.1 10.7  
80 9.0 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): BM018742.D (-2369) (-)  
Ion 94.00 (93.70 to 94.70): BM018742.D (-2369) (-)  
Ion 80.00 (79.70 to 80.70): BM018742.D (-2369) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 40.33 ng

RT: 15.51 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

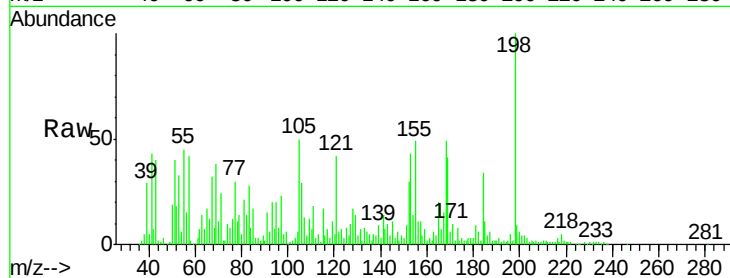
Tot Ion:198 Resp: 208996

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 39.6  | 29.6  | 69.6  |
| 105 | 49.7  | 25.5  | 65.5  |

198 100

51 39.6 29.6 69.6

105 49.7 25.5 65.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM018742.D (-2110) (-)

Ion 105.00 (104.70 to 105.70): E

15.51

150000

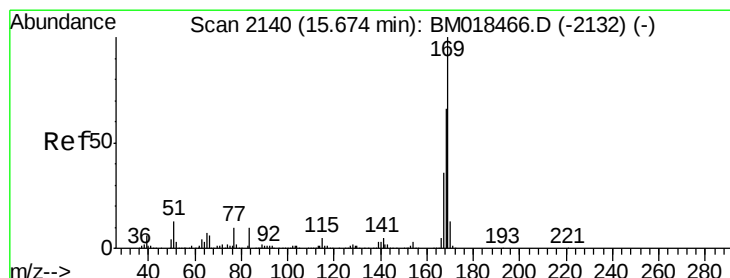
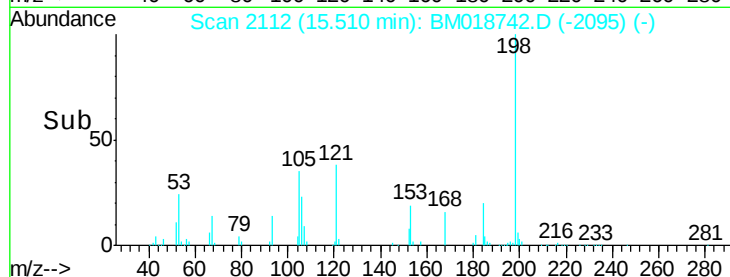
100000

50000

0

Time-->

15.45 15.50 15.55 15.60



#66

n-Nitrosodiphenylamine

Concen: 61.14 ng

RT: 15.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

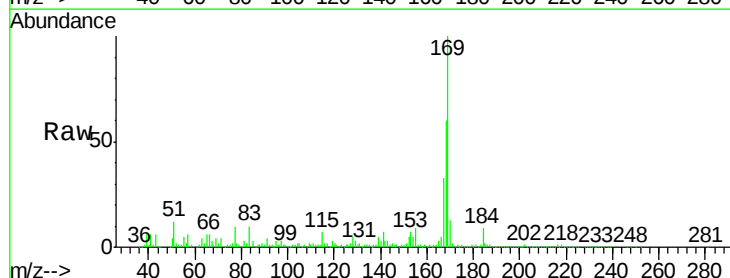
Tgt Ion:169 Resp: 1580090

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 60.4  | 54.1  | 81.1  |
| 167 | 32.9  | 28.6  | 42.8  |

169 100

168 60.4 54.1 81.1

167 32.9 28.6 42.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

15.63

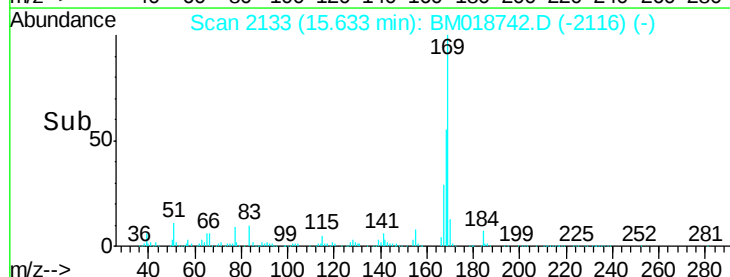
1000000

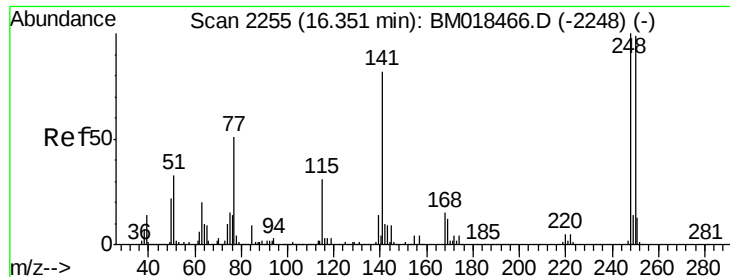
500000

0

Time-->

15.60 15.65

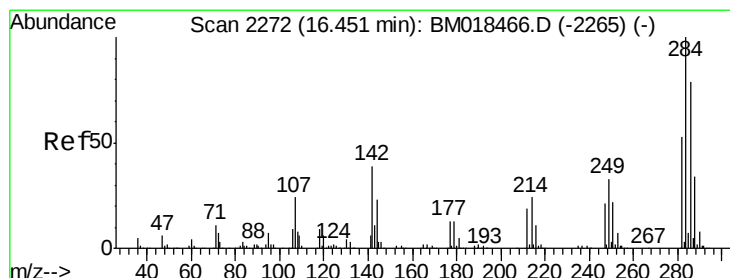
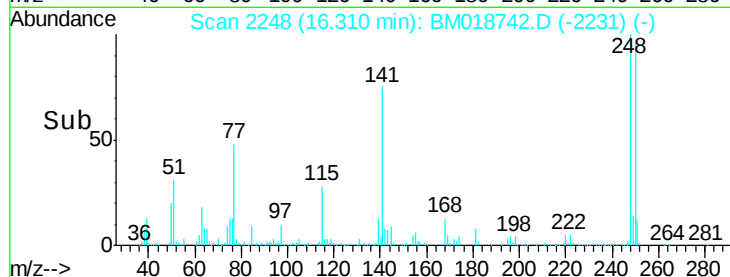
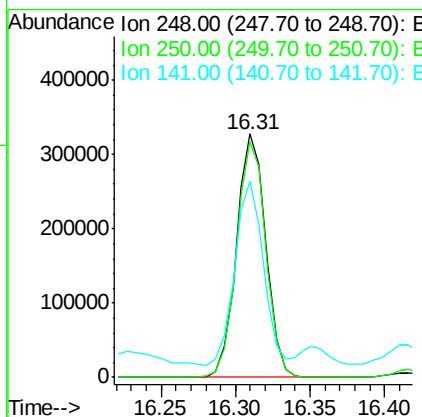
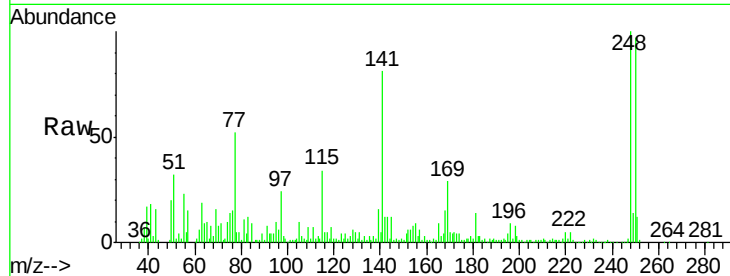




#67  
4-Bromophenyl-phenylether  
Concen: 47.35 ng  
RT: 16.31 min Scan# 2248  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

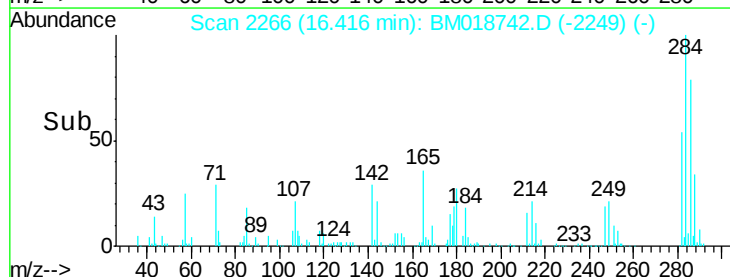
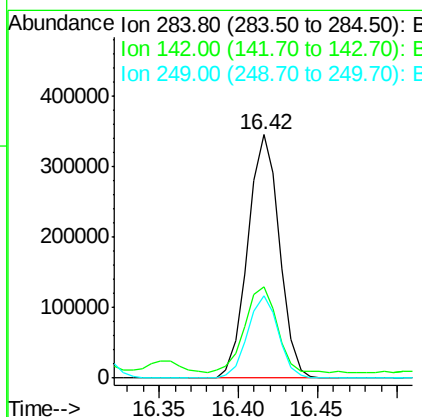
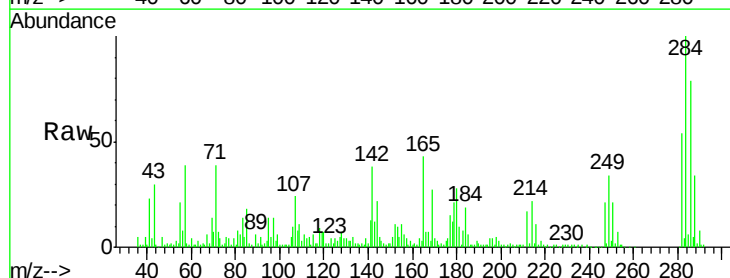
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

Tot Ion:248 Resp: 441501  
Ion Ratio Lower Upper  
248 100  
250 96.7 76.0 114.0  
141 80.6 61.5 92.3



#68  
Hexachlorobenzene  
Concen: 45.85 ng  
RT: 16.42 min Scan# 2266  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:284 Resp: 478583  
Ion Ratio Lower Upper  
284 100  
142 37.7 29.2 43.8  
249 33.6 26.1 39.1





#69

Atrazine

Concen: 49.74 ng

RT: 16.59 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

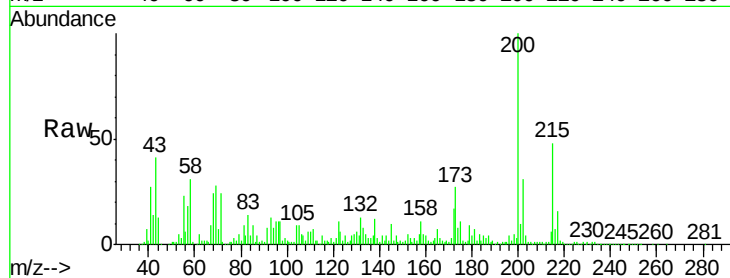
Tot Ion:200 Resp: 464709

Ion Ratio Lower Upper

200 100

173 26.9 7.2 47.2

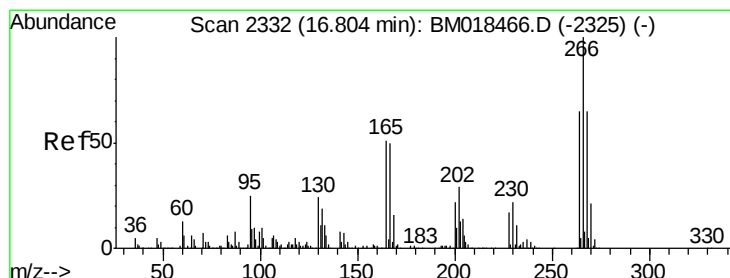
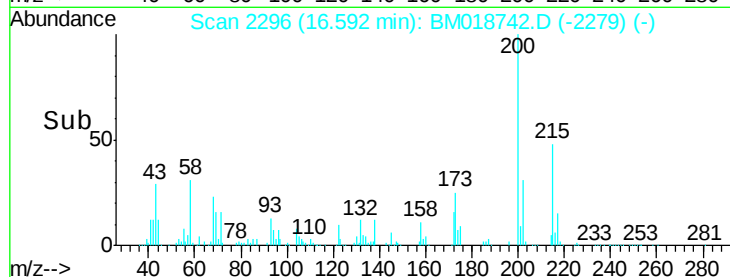
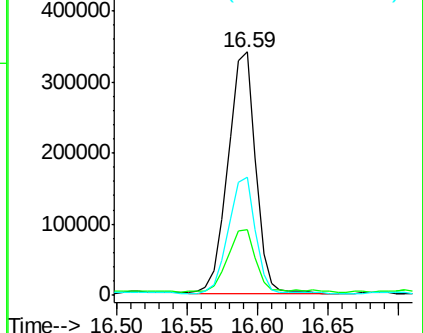
215 48.4 28.3 68.3



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 90.30 ng

RT: 16.76 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

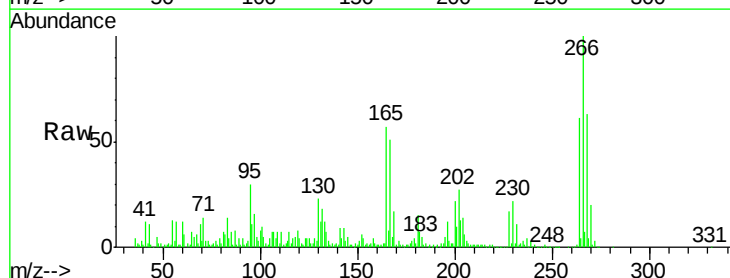
Tgt Ion:266 Resp: 617309

Ion Ratio Lower Upper

266 100

268 63.3 49.8 74.6

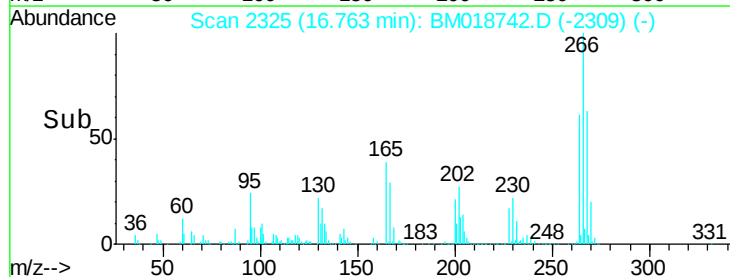
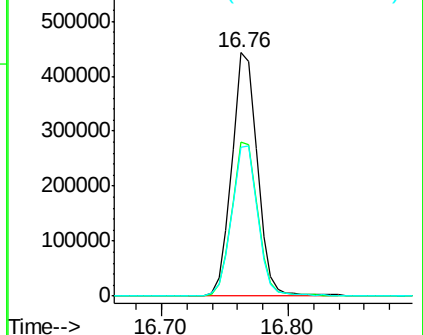
264 61.2 50.1 75.1

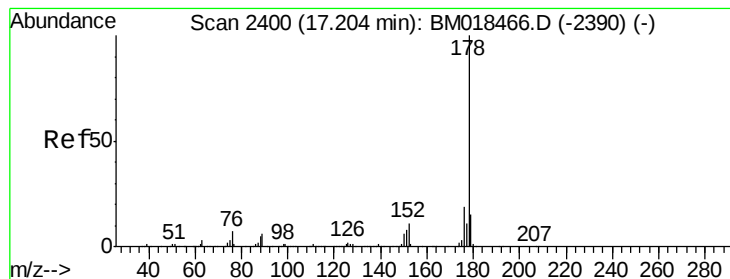


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 63.30 ng

RT: 17.16 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

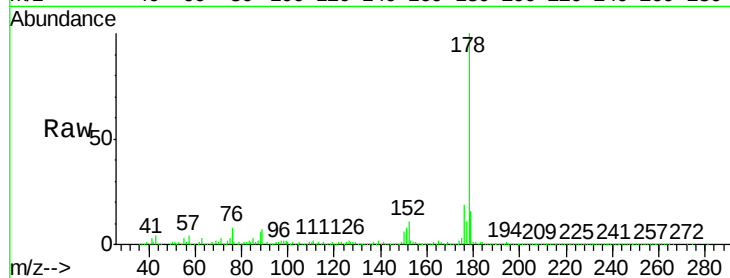
Tot Ion:178 Resp: 2805202

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

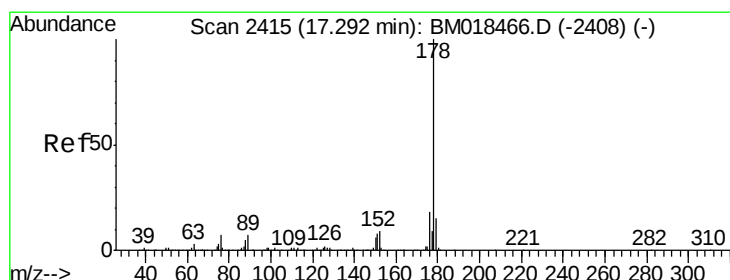
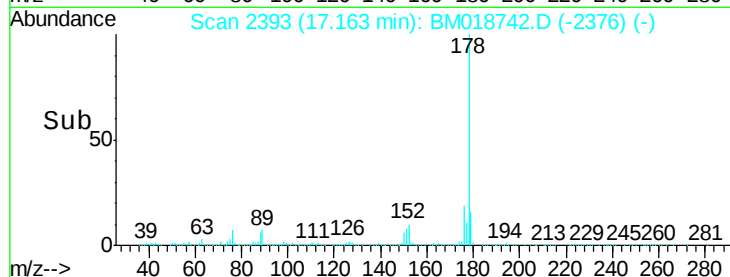
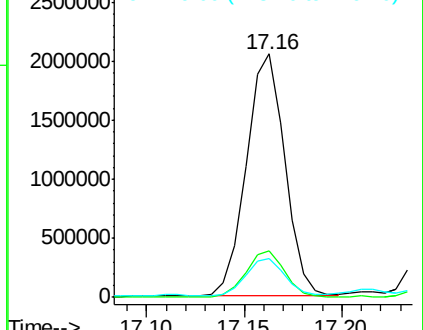
179 16.1 12.2 18.4



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



#72

Anthracene

Concen: 54.66 ng

RT: 17.25 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

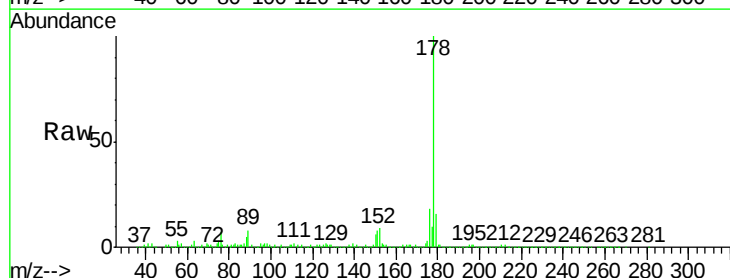
Tgt Ion:178 Resp: 2329459

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

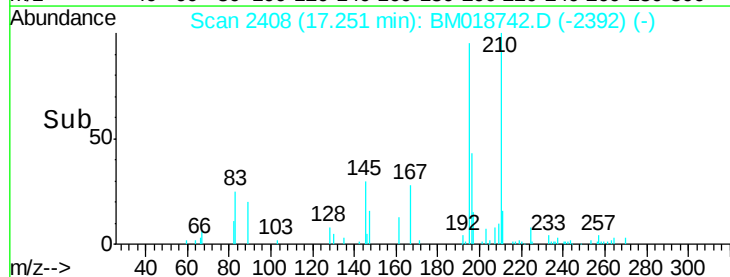
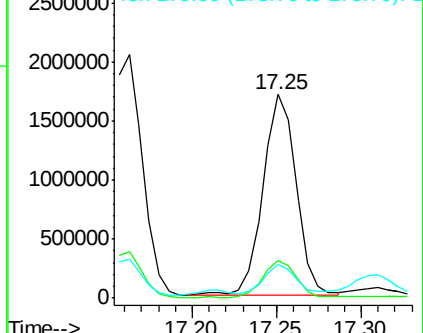
179 16.2 12.2 18.4

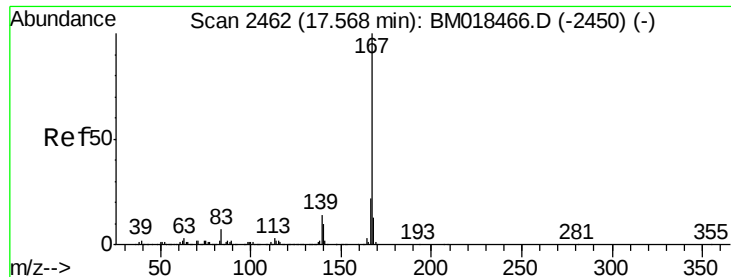


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

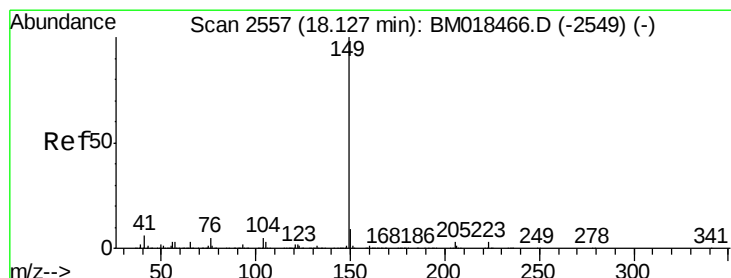
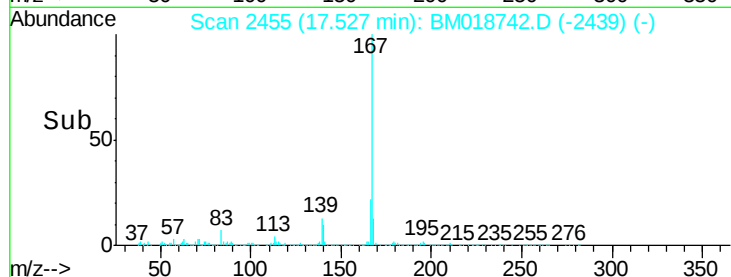
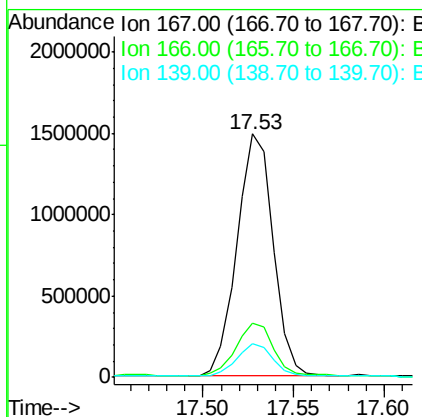
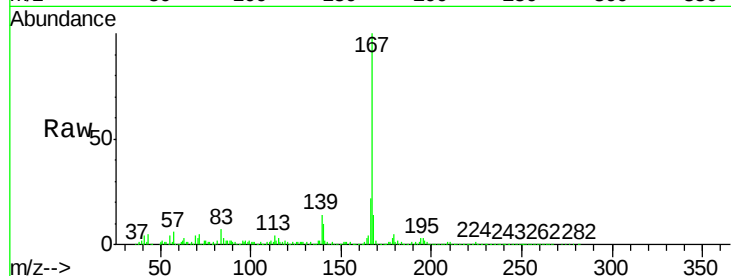




#73  
 Carbazole  
 Concen: 47.24 ng  
 RT: 17.53 min Scan# 2455  
 Delta R.T. -0.01 min  
 Lab File: BM018742.D  
 Acq: 07 Feb 2019 17:53

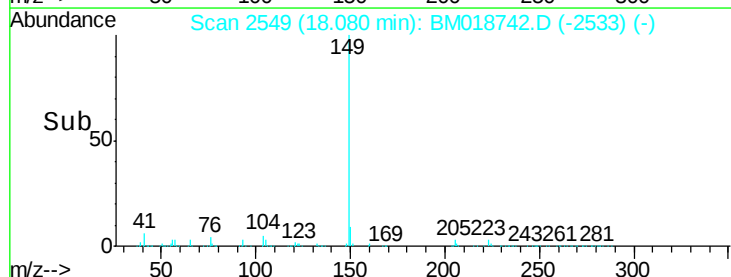
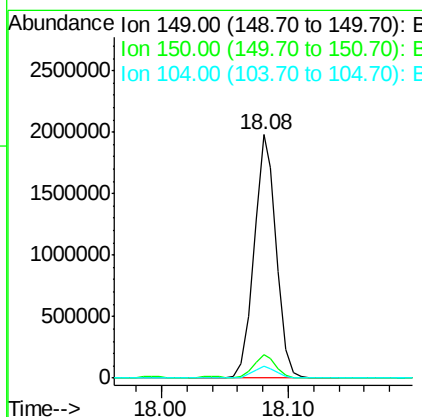
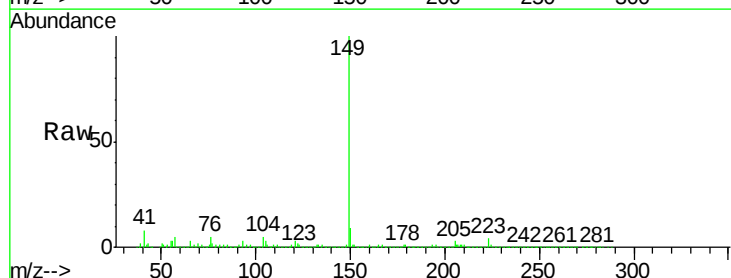
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-01(12-13)MSD

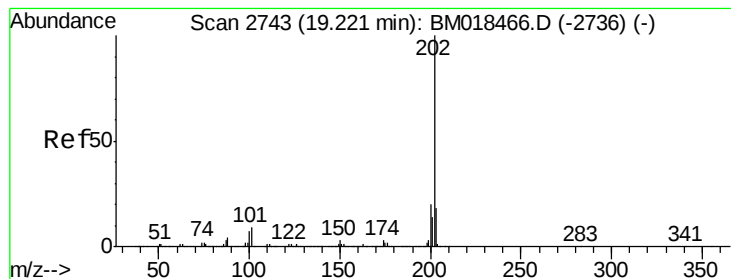
Tot Ion:167 Resp: 2068098  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.4 26.2  
 139 13.7 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 49.59 ng  
 RT: 18.08 min Scan# 2549  
 Delta R.T. -0.01 min  
 Lab File: BM018742.D  
 Acq: 07 Feb 2019 17:53

Tgt Ion:149 Resp: 2378262  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.3 10.9  
 104 4.9 4.2 6.4





#75

Fluoranthene

Concen: 48.93 ng

RT: 19.18 min Scan# 2736

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

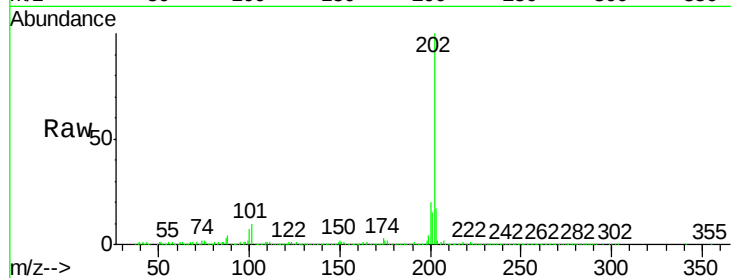
Tot Ion:202 Resp: 2500076

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.9

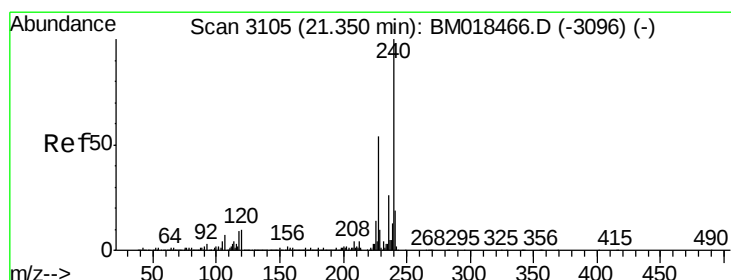
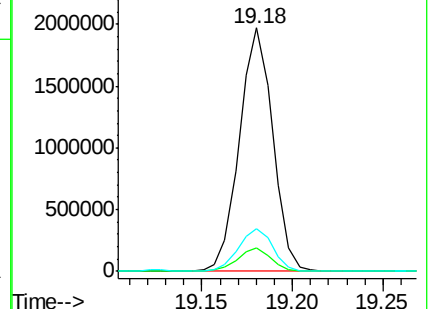
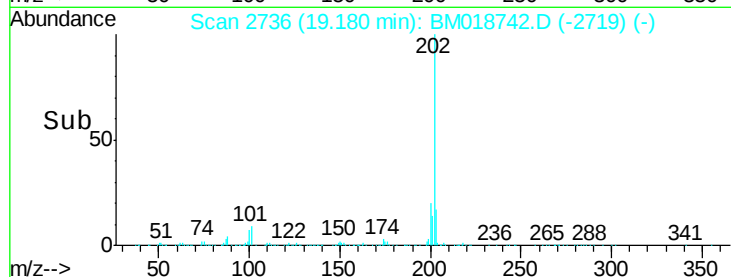
203 17.3 0.0 37.4



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: 20.00 ng

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

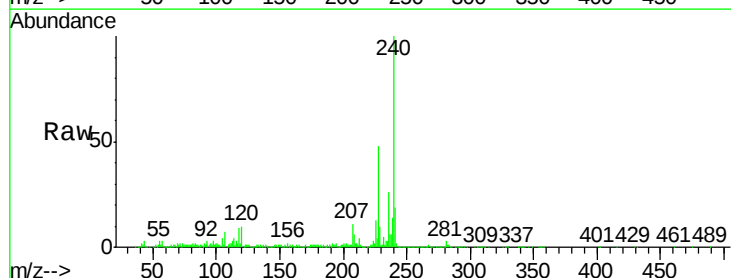
Tgt Ion:240 Resp: 854129

Ion Ratio Lower Upper

240 100

120 10.0 8.4 12.6

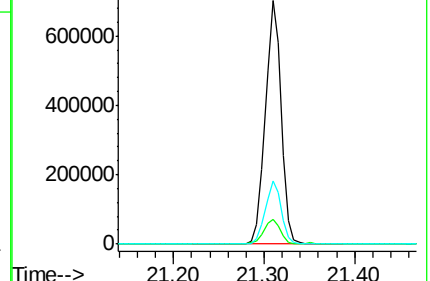
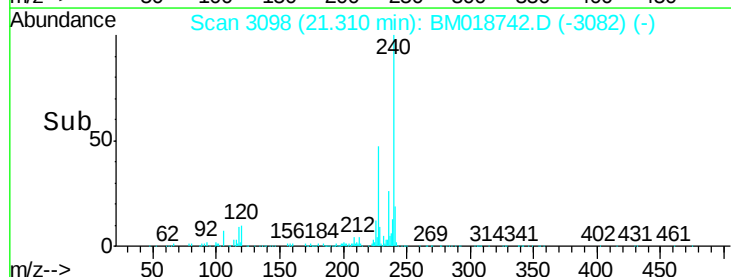
236 25.8 20.7 31.1

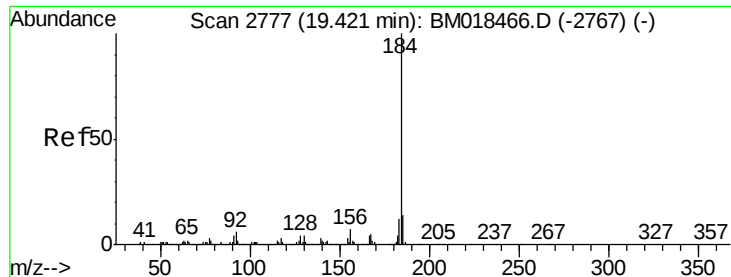


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 64.26 ng

RT: 19.38 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

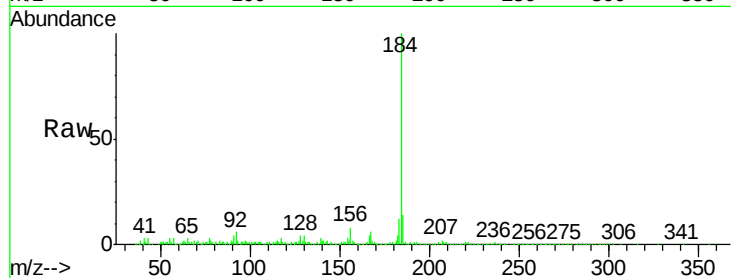
Tot Ion:184 Resp: 1355248

Ion Ratio Lower Upper

184 100

185 14.5 11.4 17.0

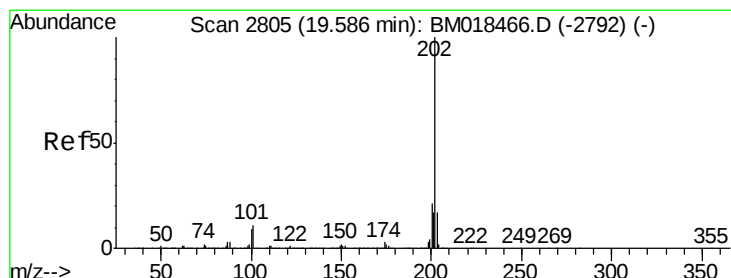
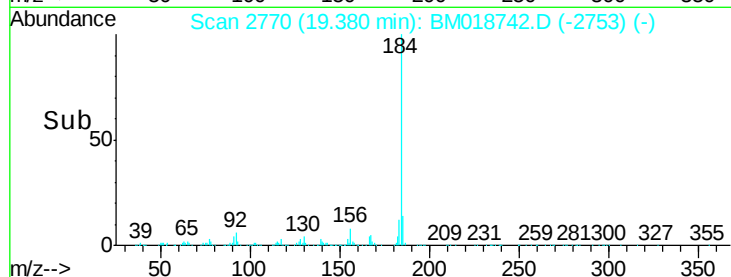
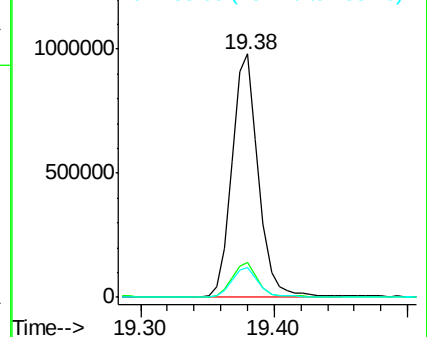
183 12.1 9.5 14.3



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

Pyrene

Concen: 51.95 ng

RT: 19.54 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

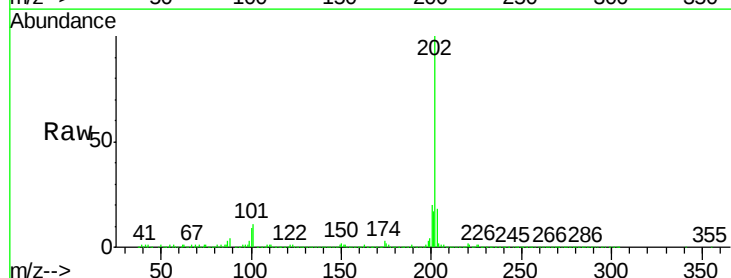
Tgt Ion:202 Resp: 2630316

Ion Ratio Lower Upper

202 100

200 20.4 16.6 24.8

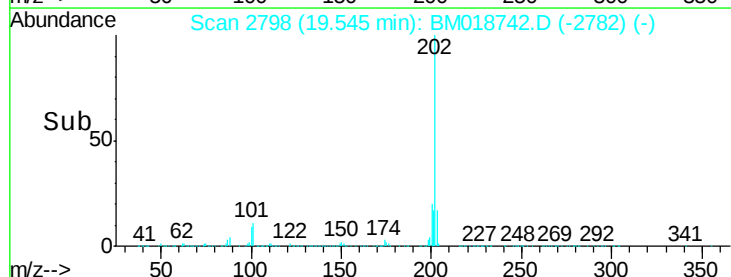
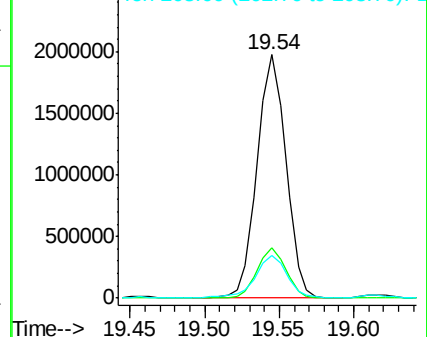
203 17.7 13.8 20.8

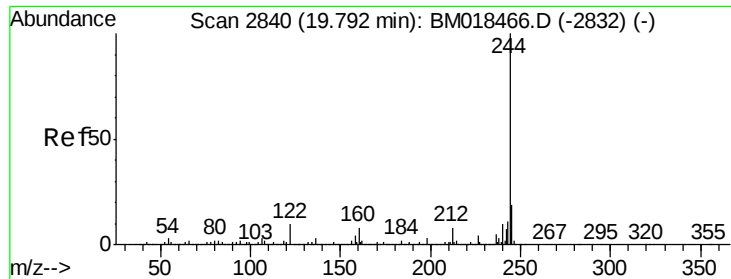


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.53 ng

RT: 19.74 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

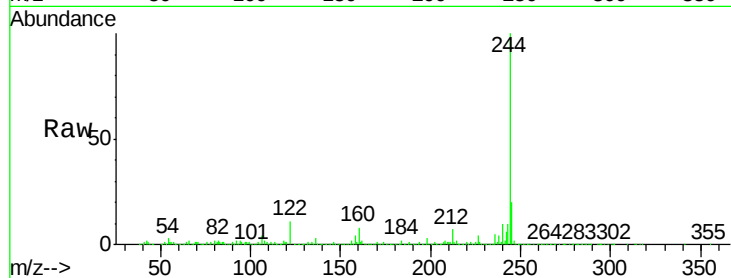
Tot Ion:244 Resp: 3465476

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

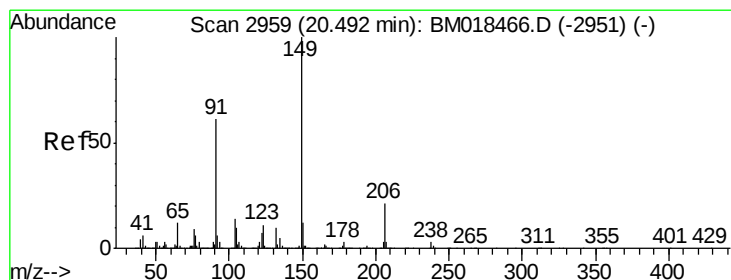
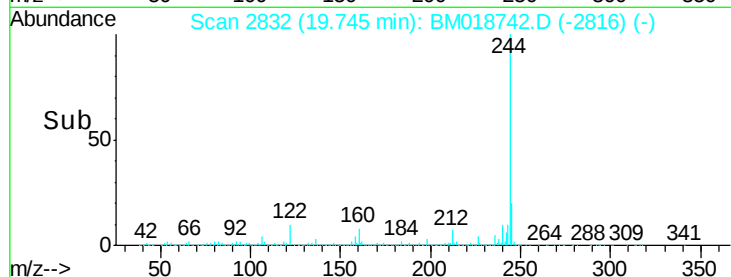
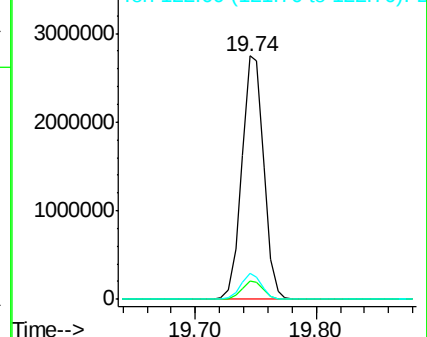
122 10.5 9.0 13.4



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: 48.20 ng

RT: 20.44 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

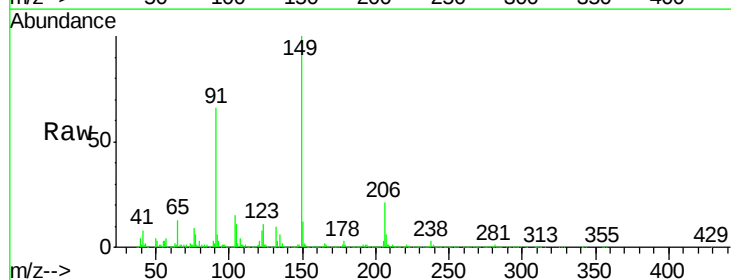
Tgt Ion:149 Resp: 1041320

Ion Ratio Lower Upper

149 100

91 65.6 53.1 79.7

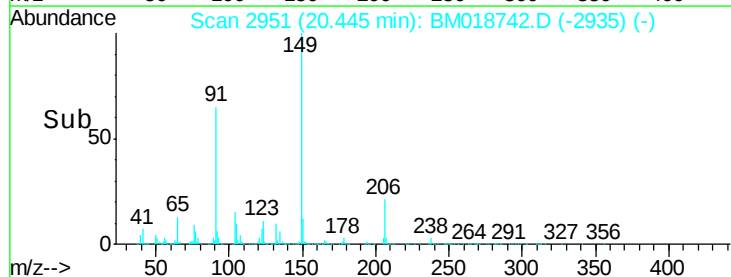
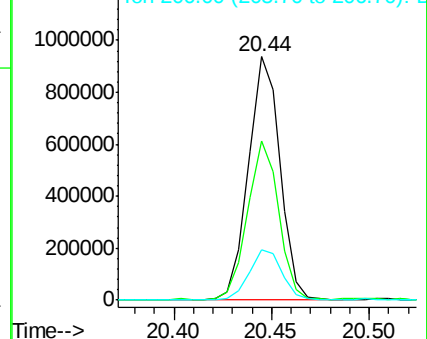
206 20.9 16.2 24.4

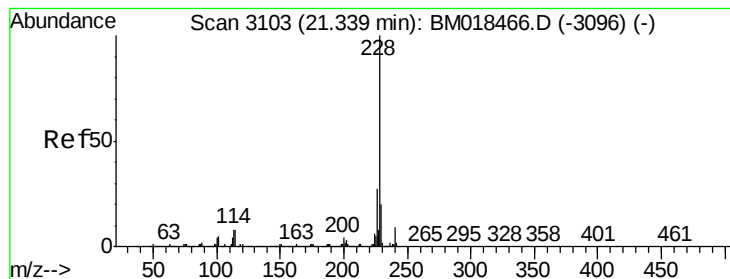


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 51.07 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

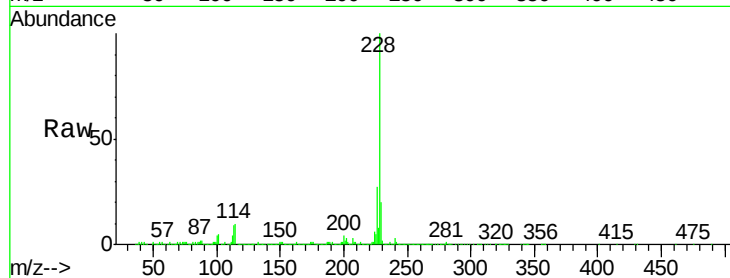
Tot Ion:228 Resp: 2569604

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.8  | 21.8  | 32.6  |
| 229 | 20.0  | 15.8  | 23.8  |

228 100

226 26.8 21.8 32.6

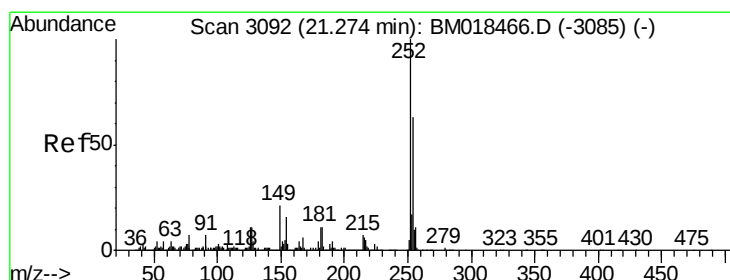
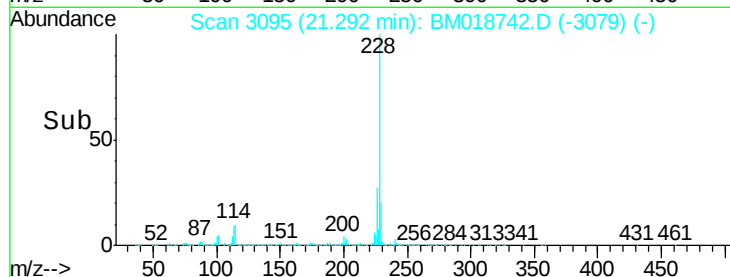
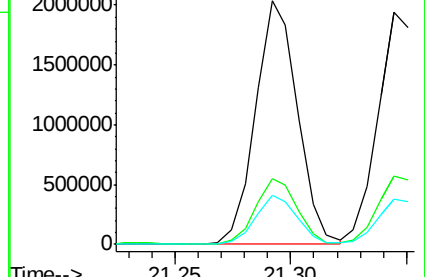
229 20.0 15.8 23.8



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: 43.60 ng

RT: 21.23 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

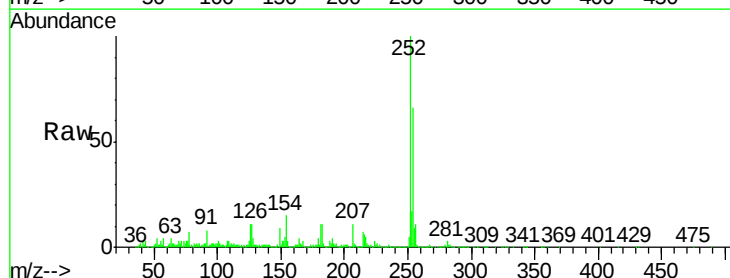
Tgt Ion:252 Resp: 829670

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 65.5  | 51.4  | 77.0  |
| 126 | 11.0  | 8.7   | 13.1  |

252 100

254 65.5 51.4 77.0

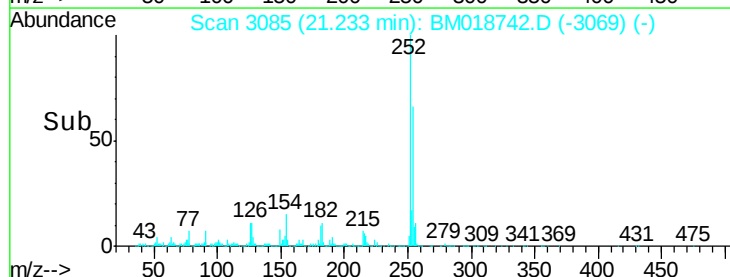
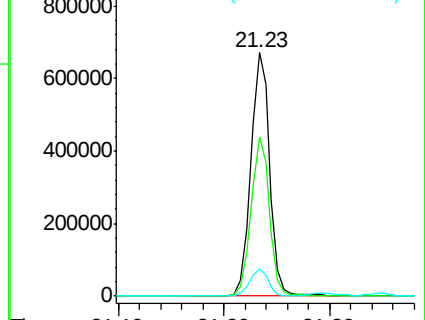
126 11.0 8.7 13.1

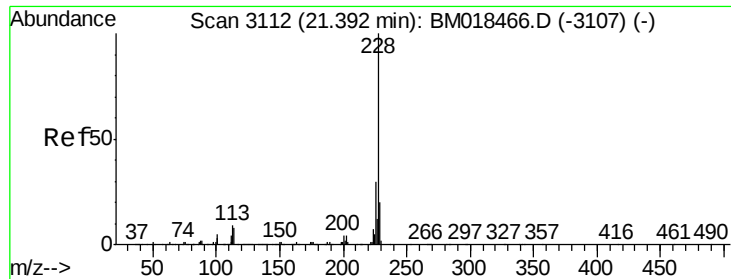


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 49.66 ng

RT: 21.34 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

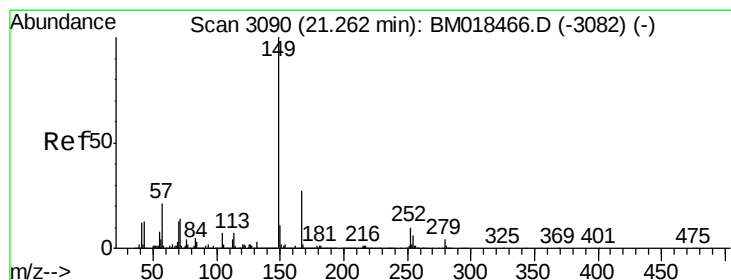
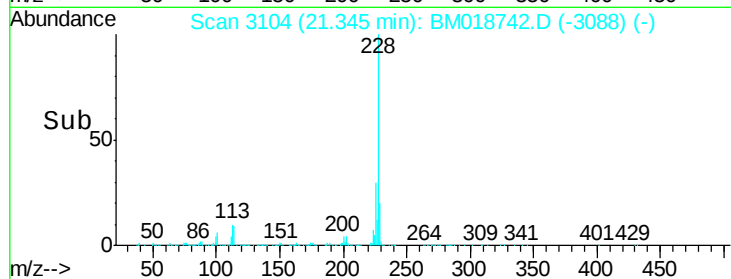
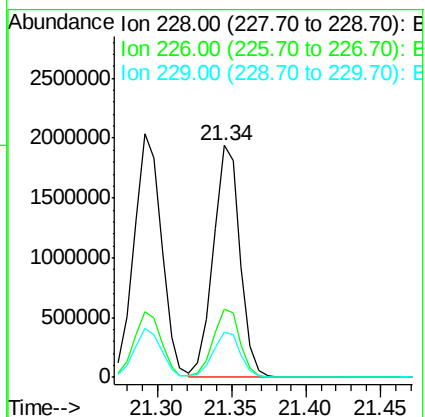
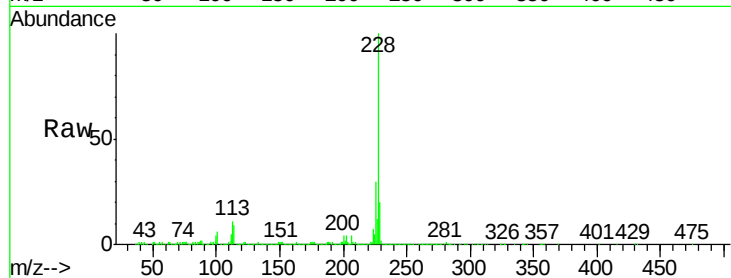
Tot Ion:228 Resp: 2413034

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.98 ng

RT: 21.22 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

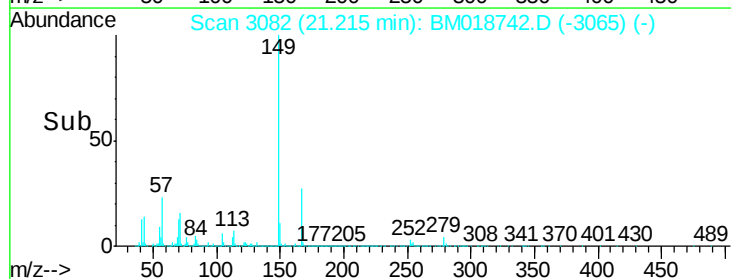
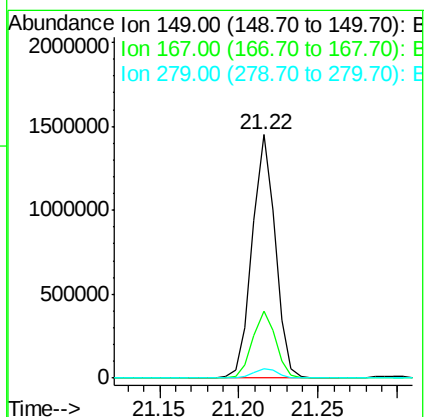
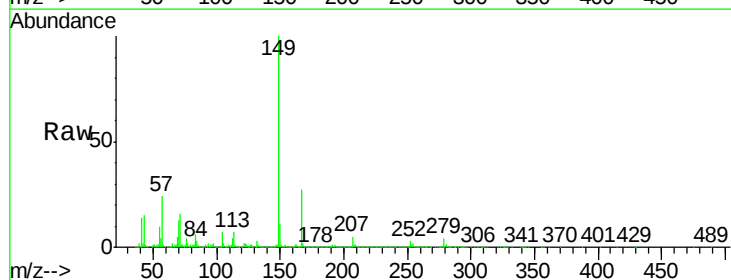
Tgt Ion:149 Resp: 1465468

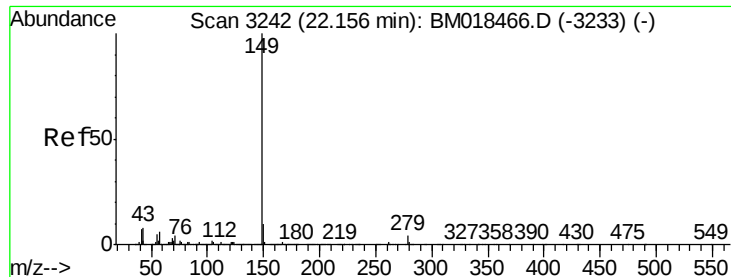
Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

279 4.1 3.3 4.9

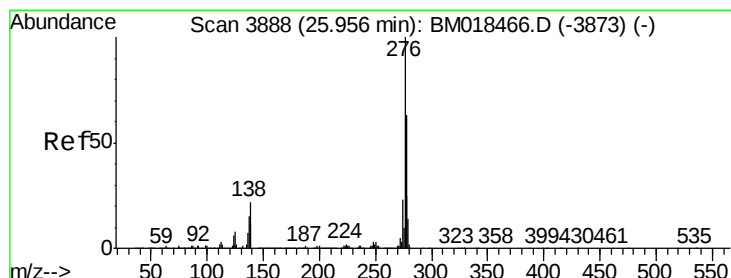
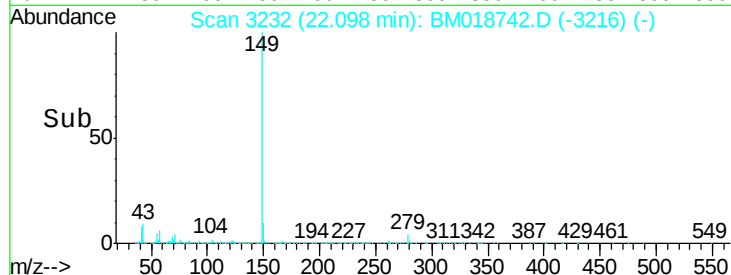
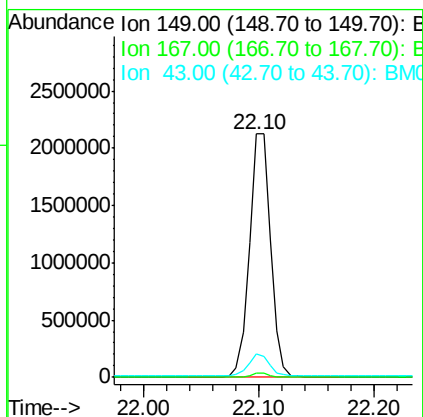
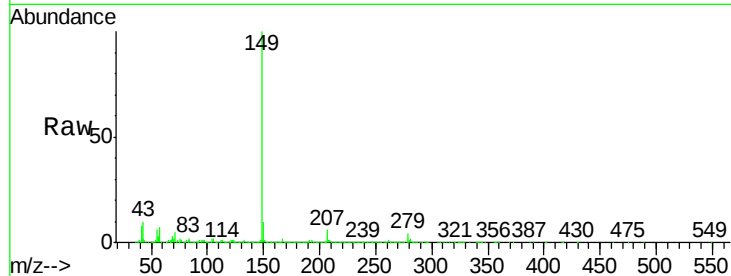




#85  
Di-n-octyl phthalate  
Concen: 51.13 ng  
RT: 22.10 min Scan# 3232  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

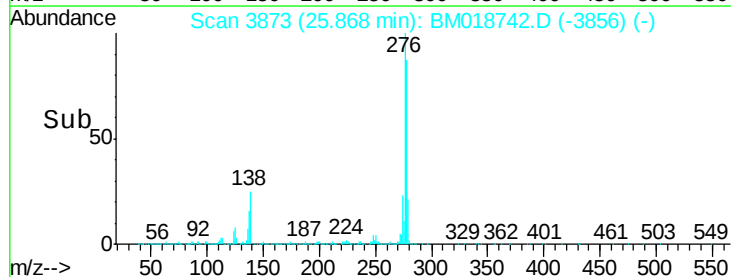
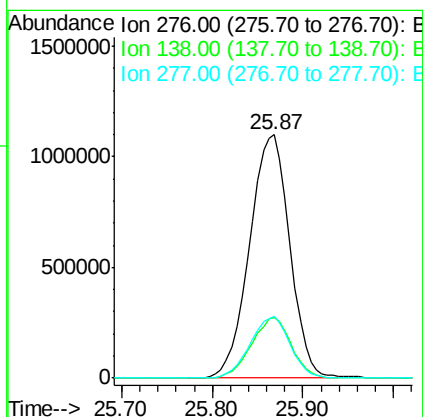
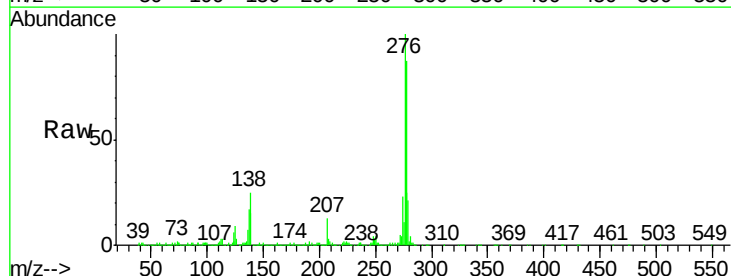
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

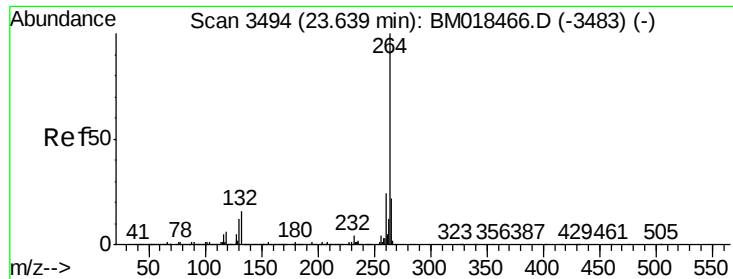
Tot Ion:149 Resp: 2682813  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.6 8.6 12.8



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 60.59 ng  
RT: 25.87 min Scan# 3873  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:276 Resp: 3394972  
Ion Ratio Lower Upper  
276 100  
138 24.7 21.5 32.3  
277 25.3 20.2 30.2





#87

Pervlene-d12

Concen: 20.00 ng

RT: 23.57 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

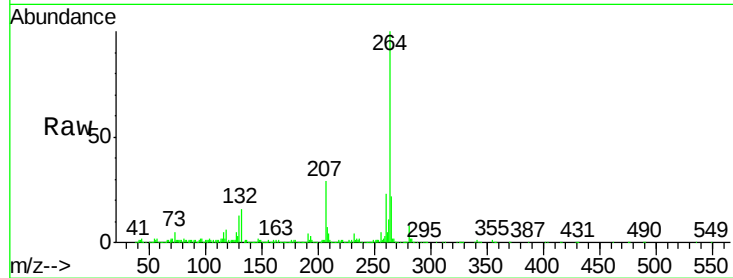
Tot Ion:264 Resp: 974610

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

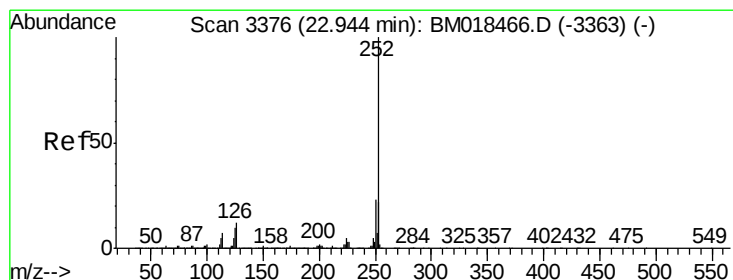
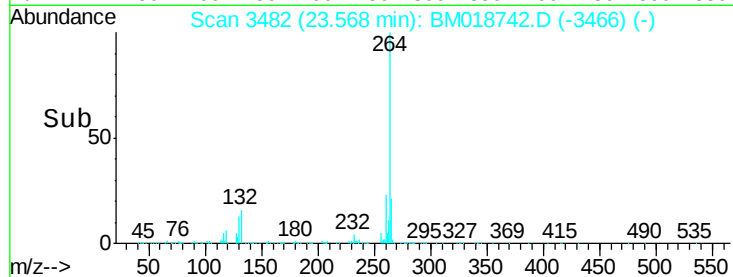
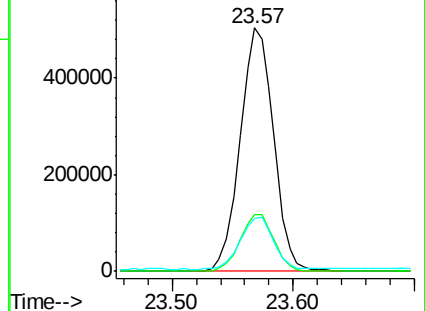
265 21.9 16.8 25.2



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



#88

Benzo(b)fluoranthene

Concen: 48.79 ng

RT: 22.89 min Scan# 3367

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

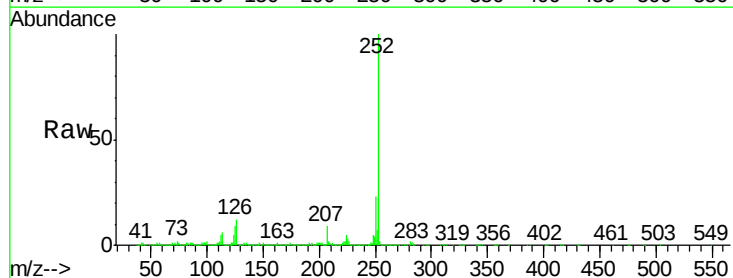
Tgt Ion:252 Resp: 2699857

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

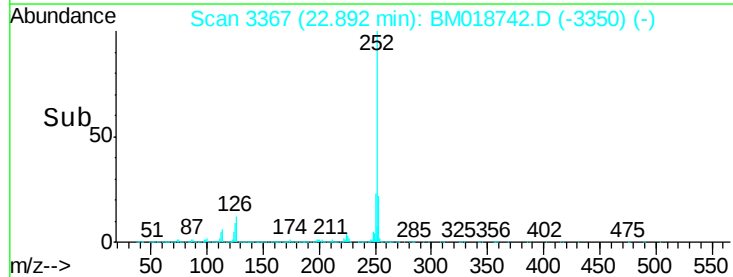
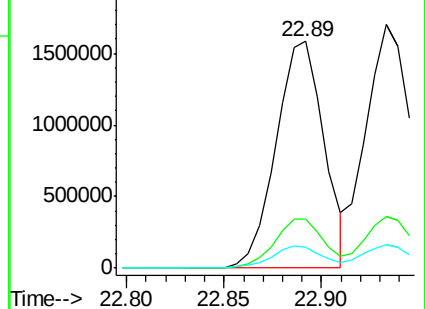
125 9.3 8.5 12.7

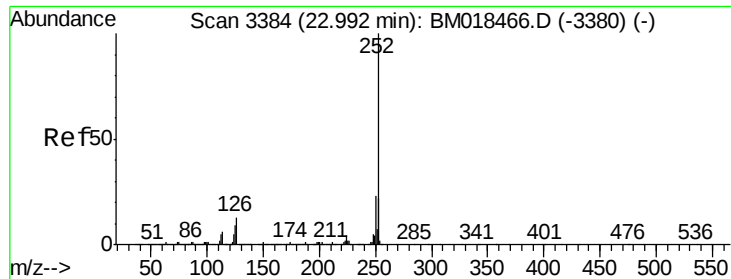


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

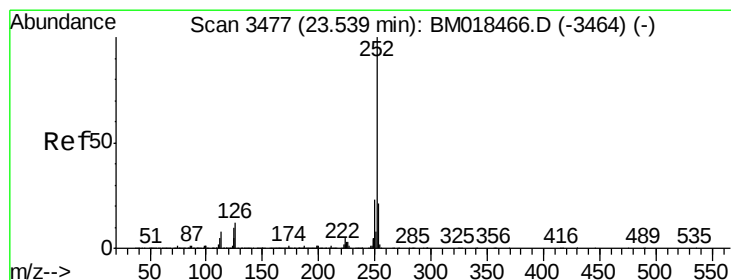
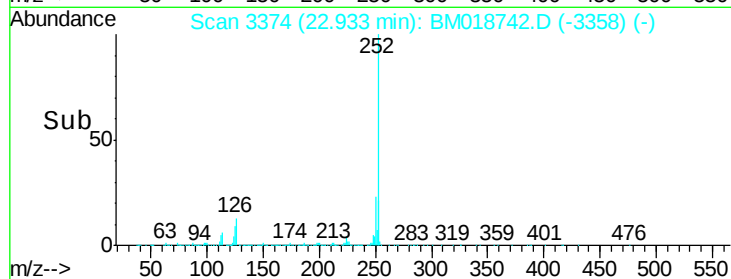
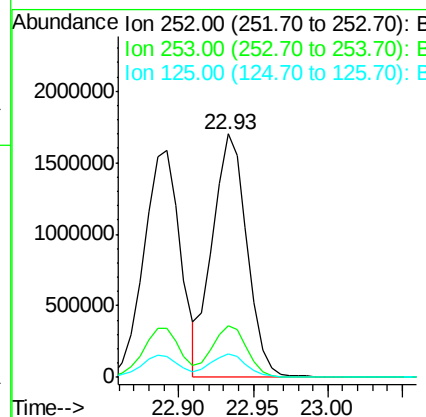
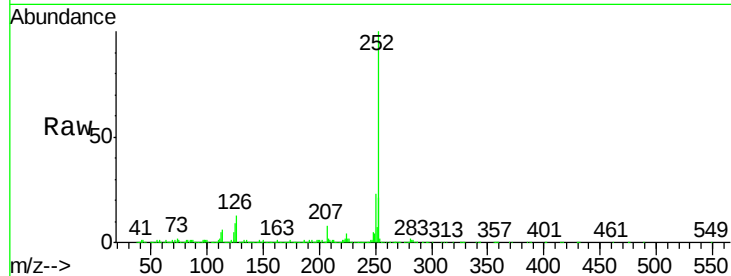




#89  
Benzo(k)fluoranthene  
Concen: 49.10 ng  
RT: 22.93 min Scan# 3374  
Delta R.T. -0.01 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

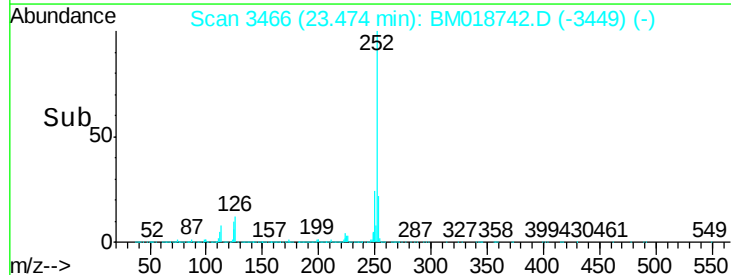
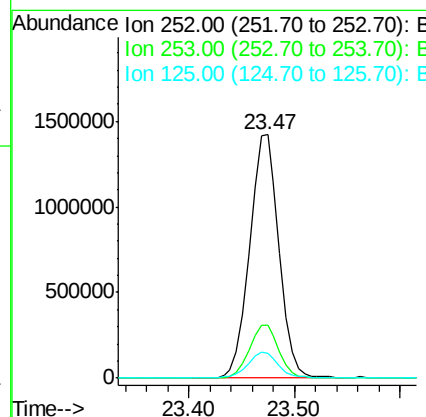
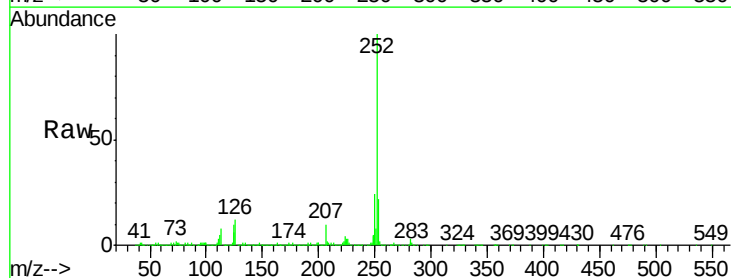
Instrument :  
BNA\_M  
ClientSampleId :  
SB-01(12-13)MSD

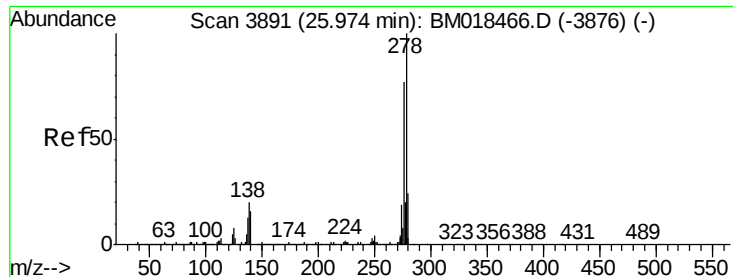
Tot Ion:252 Resp: 2738053  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.4 26.0  
125 9.5 8.6 12.8



#90  
Benzo(a)pyrene  
Concen: 51.63 ng  
RT: 23.47 min Scan# 3466  
Delta R.T. 0.00 min  
Lab File: BM018742.D  
Acq: 07 Feb 2019 17:53

Tgt Ion:252 Resp: 2734936  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.5 26.3  
125 10.2 9.7 14.5





#91

Dibenzo(a,h)anthracene

Concen: 53.14 ng

RT: 25.88 min Scan# 3875

Delta R.T. 0.00 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

Instrument :

BNA\_M

ClientSampleId :

SB-01(12-13)MSD

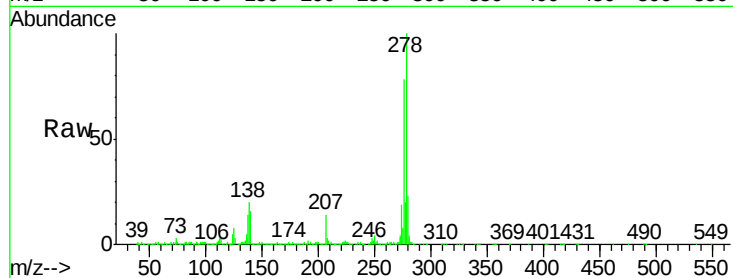
Tot Ion:278 Resp: 2852112

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.0  | 13.2  | 19.8  |
| 279 | 23.3  | 19.0  | 28.4  |

278 100

139 16.0 13.2 19.8

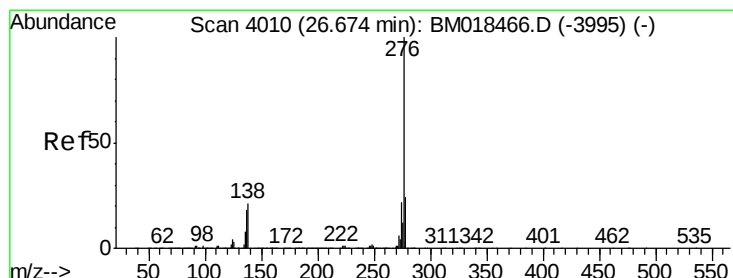
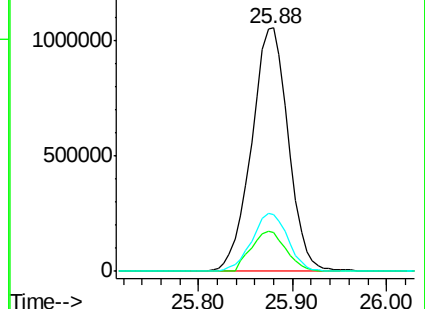
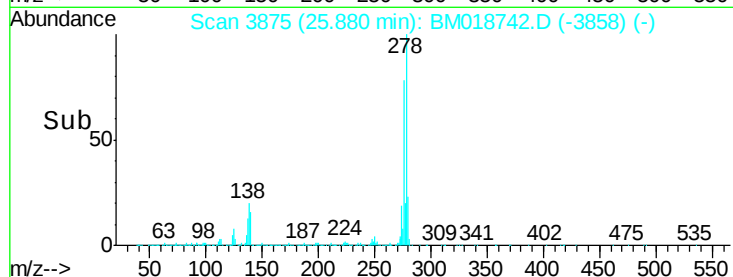
279 23.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 54.86 ng

RT: 26.57 min Scan# 3992

Delta R.T. -0.01 min

Lab File: BM018742.D

Acq: 07 Feb 2019 17:53

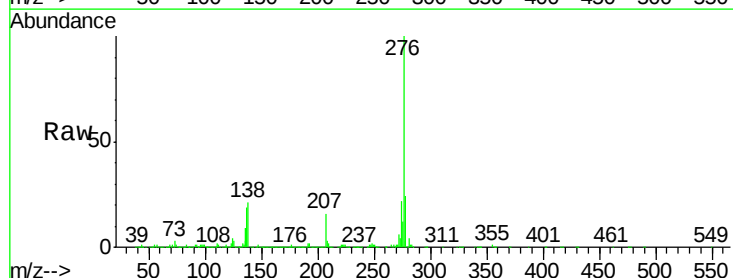
Tgt Ion:276 Resp: 2865577

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.1  | 19.0  | 28.4  |
| 138 | 21.0  | 18.1  | 27.1  |

276 100

277 24.1 19.0 28.4

138 21.0 18.1 27.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

