

Data Path : Z:\HPCHEM1\BNA M\DATA\BM082517\  
 Data File : BM011353.D  
 Acq On : 25 Aug 2017 20:52  
 Operator : SJ/JU  
 Sample : I4943-03MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

Quant Time: Aug 25 23:30:28 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 02:25:04 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.26  | 152  | 95421    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.02 | 136  | 386033   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 13.93 | 164  | 310540   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 16.69 | 188  | 953963   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 20.92 | 240  | 1323238  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 22.99 | 264  | 1230817  | 20.00 | ng    | -0.04    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 4.91  | 112  | 609087   | 107.90 | ng    | -0.02    |
| 7) Phenol-d6                | 6.47  | 99   | 831082   | 103.62 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.41  | 82   | 945683   | 91.94  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 15.44 | 330  | 587888   | 118.11 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 12.54 | 172  | 1707527  | 68.96  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.37 | 244  | 4300145  | 64.37  | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.92  | 88   | 89088    | 35.15 | ng    | # 100  |
| 3) Pyridine                    | 3.29  | 79   | 259976   | 37.55 | ng    | # 87   |
| 4) n-Nitrosodimethylamine      | 3.20  | 42   | 185962   | 52.71 | ng    | # 63   |
| 6) Aniline                     | 6.62  | 93   | 164018   | 16.23 | ng    | # 83   |
| 8) 2-Chlorophenol              | 6.84  | 128  | 183129   | 31.95 | ng    | # 53   |
| 9) Benzaldehyde                | 6.43  | 77   | 161215   | 31.07 | ng    | # 66   |
| 10) Phenol                     | 6.50  | 94   | 296251   | 34.01 | ng    | # 82   |
| 11) bis(2-Chloroethyl)ether    | 6.72  | 93   | 252155   | 37.15 | ng    | # 81   |
| 12) 1,3-Dichlorobenzene        | 7.15  | 146  | 206828   | 29.61 | ng    | # 62   |
| 13) 1,4-Dichlorobenzene        | 7.30  | 146  | 200952   | 28.07 | ng    | # 85   |
| 14) 1,2-Dichlorobenzene        | 7.61  | 146  | 195500   | 28.56 | ng    | # 87   |
| 15) Benzyl Alcohol             | 7.52  | 79   | 355858   | 46.25 | ng    | # 75   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.80  | 45   | 278367   | 45.58 | ng    | # 82   |
| 17) 2-Methylphenol             | 7.72  | 107  | 205003   | 36.82 | ng    | # 55   |
| 18) Hexachloroethane           | 8.32  | 117  | 98014    | 31.39 | ng    | # 80   |
| 19) n-Nitroso-di-n-propylamine | 8.07  | 70   | 326032   | 47.84 | ng    | # 90   |
| 20) 3+4-Methylphenols          | 8.05  | 107  | 271956   | 35.14 | ng    | # 67   |
| 22) Acetophenone               | 8.09  | 105  | 407579   | 35.22 | ng    | # 81   |
| 24) Nitrobenzene               | 8.45  | 77   | 477404   | 44.79 | ng    | # 74   |
| 25) Isophorone                 | 8.97  | 82   | 734868   | 42.85 | ng    | # 82   |
| 26) 2-Nitrophenol              | 9.16  | 139  | 113431   | 33.45 | ng    | # 1    |
| 27) 2,4-Dimethylphenol         | 9.23  | 122  | 206338   | 34.56 | ng    | # 60   |
| 28) bis(2-Chloroethoxy)methane | 9.47  | 93   | 387849   | 40.55 | ng    | # 97   |
| 29) 2,4-Dichlorophenol         | 9.69  | 162  | 233108   | 34.75 | ng    | # 90   |
| 30) 1,2,4-Trichlorobenzene     | 9.89  | 180  | 290570   | 35.03 | ng    | # 98   |
| 31) Naphthalene                | 10.07 | 128  | 657089   | 33.84 | ng    | # 97   |
| 32) Benzoic acid               | 9.38  | 122  | 121201   | 25.26 | ng    | # 26   |
| 33) 4-Chloroaniline            | 10.21 | 127  | 92160    | 11.90 | ng    | # 61   |
| 34) Hexachlorobutadiene        | 10.36 | 225  | 235456   | 36.04 | ng    | # 94   |
| 35) Caprolactam                | 10.99 | 113  | 44799    | 23.55 | ng    | # 81   |
| 36) 4-Chloro-3-methylphenol    | 11.34 | 107  | 326969   | 37.75 | ng    | # 68   |
| 37) 2-Methylnaphthalene        | 11.69 | 142  | 543640   | 38.11 | ng    | # 85   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.08 | 216  | 432169   | 32.39 | ng    | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.06 | 237  | 540998   | 69.59 | ng    | # 99   |

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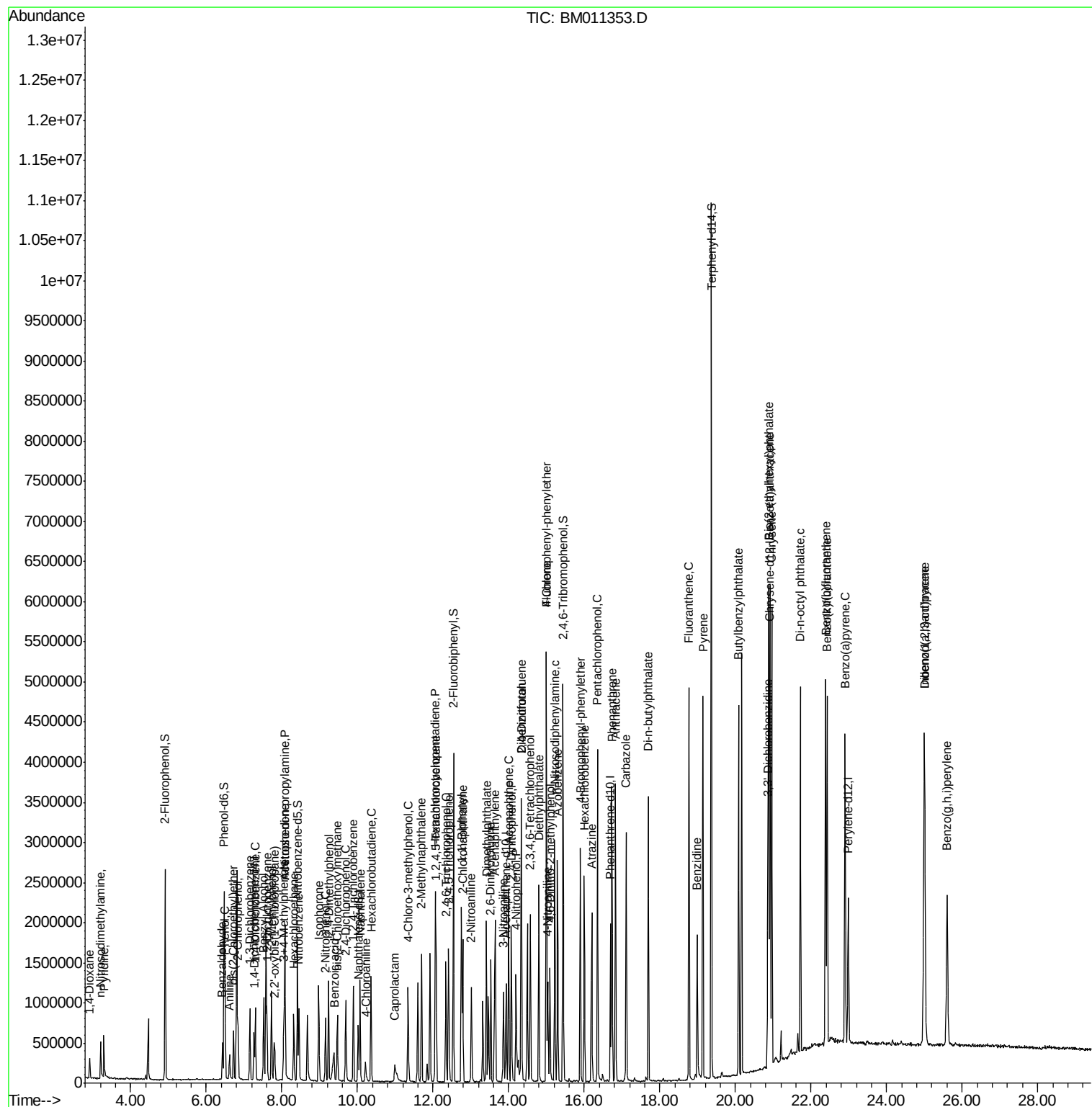
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.34 | 196  | 274568   | 34.00 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 12.42 | 196  | 294972   | 35.47 | nq #  | 84       |
| 45) 1,1'-Biphenyl              | 12.75 | 154  | 811527   | 30.22 | nq    | 94       |
| 46) 2-Chloronaphthalene        | 12.79 | 162  | 648714   | 32.79 | nq #  | 93       |
| 47) 2-Nitroaniline             | 13.01 | 65   | 347239   | 49.61 | nq #  | 54       |
| 48) Acenaphthylene             | 13.64 | 152  | 1007164  | 34.11 | nq    | 98       |
| 49) Dimethylphthalate          | 13.42 | 163  | 912104   | 34.33 | nq #  | 98       |
| 50) 2,6-Dinitrotoluene         | 13.53 | 165  | 186737   | 34.76 | nq #  | 36       |
| 51) Acenaphthene               | 14.00 | 154  | 645355   | 35.30 | nq    | 98       |
| 52) 3-Nitroaniline             | 13.86 | 138  | 156296   | 33.53 | nq #  | 4        |
| 53) 2,4-Dinitrophenol          | 14.07 | 184  | 292492   | 76.61 | nq #  | 71       |
| 54) Dibenzofuran               | 14.34 | 168  | 1163844  | 39.29 | nq #  | 90       |
| 55) 4-Nitrophenol              | 14.20 | 139  | 223506   | 54.57 | nq #  | 47       |
| 56) 2,4-Dinitrotoluene         | 14.33 | 165  | 296608   | 39.33 | nq #  | 54       |
| 57) Fluorene                   | 14.99 | 166  | 982007   | 38.08 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.57 | 232  | 331318   | 42.50 | nq #  | 100      |
| 59) Diethylphthalate           | 14.80 | 149  | 995356   | 36.69 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.00 | 204  | 598402   | 38.43 | nq    | 98       |
| 61) 4-Nitroaniline             | 15.04 | 138  | 137093   | 27.69 | nq #  | 1        |
| 62) Azobenzene                 | 15.29 | 77   | 1619321  | 55.77 | nq    | 80       |
| 64) 4,6-Dinitro-2-methylphenol | 15.10 | 198  | 223380   | 34.59 | nq    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.22 | 169  | 888273   | 32.54 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 15.90 | 248  | 411569   | 33.56 | nq #  | 90       |
| 67) Hexachlorobenzene          | 16.00 | 284  | 430939   | 31.10 | nq #  | 82       |
| 68) Atrazine                   | 16.20 | 200  | 398730   | 36.44 | nq    | 95       |
| 69) Pentachlorophenol          | 16.35 | 266  | 574610   | 65.31 | nq    | 97       |
| 70) Phenanthrene               | 16.73 | 178  | 1856791  | 37.17 | nq    | 99       |
| 71) Anthracene                 | 16.83 | 178  | 1889064  | 37.92 | nq    | 99       |
| 72) Carbazole                  | 17.11 | 167  | 1620953  | 37.21 | nq    | 99       |
| 73) Di-n-butylphthalate        | 17.70 | 149  | 1933607  | 36.45 | nq #  | 96       |
| 74) Fluoranthene               | 18.77 | 202  | 2615166  | 42.25 | nq    | 98       |
| 76) Benzidine                  | 18.99 | 184  | 998829   | 31.55 | nq    | 98       |
| 77) Pyrene                     | 19.14 | 202  | 2738189  | 34.83 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.09 | 149  | 978583   | 35.00 | nq #  | 58       |
| 80) Benzo(a)anthracene         | 20.90 | 228  | 2837435  | 37.55 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 20.86 | 252  | 634936   | 21.42 | nq #  | 95       |
| 82) Chrysene                   | 20.96 | 228  | 2633609  | 36.31 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 20.87 | 149  | 1397142  | 33.97 | nq #  | 98       |
| 84) Di-n-octyl phthalate       | 21.72 | 149  | 2335127  | 34.98 | nq #  | 92       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.00 | 276  | 2828694  | 37.66 | nq #  | 96       |
| 87) Benzo(b)fluoranthene       | 22.39 | 252  | 2748020  | 34.79 | nq #  | 92       |
| 88) Benzo(k)fluoranthene       | 22.43 | 252  | 2695119  | 35.60 | nq #  | 95       |
| 89) Benzo(a)pyrene             | 22.90 | 252  | 2656786  | 37.17 | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 25.01 | 278  | 2310151  | 34.86 | nq #  | 90       |
| 91) Benzo(g,h,i)perylene       | 25.60 | 276  | 2301158  | 35.36 | nq #  | 86       |

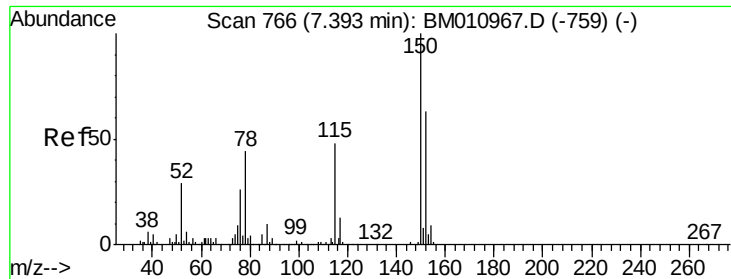
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.26 min Scan# 761

Delta R.T. -0.02 min

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BNA\_M

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OR-01-082317MS

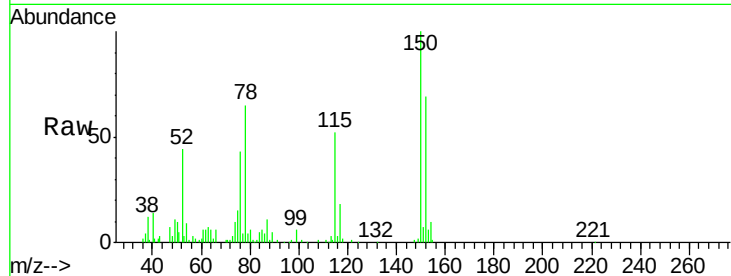
Tot Ion:152 Resp: 95421

Ion Ratio Lower Upper

152 100

150 144.2 119.5 179.3

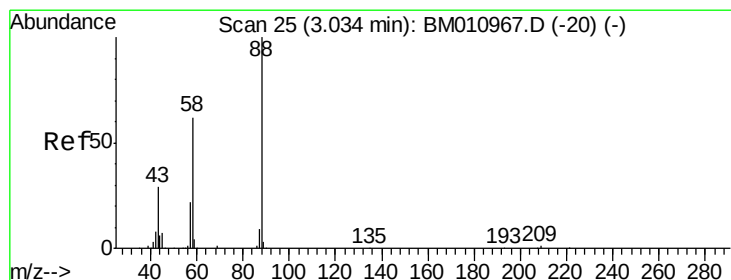
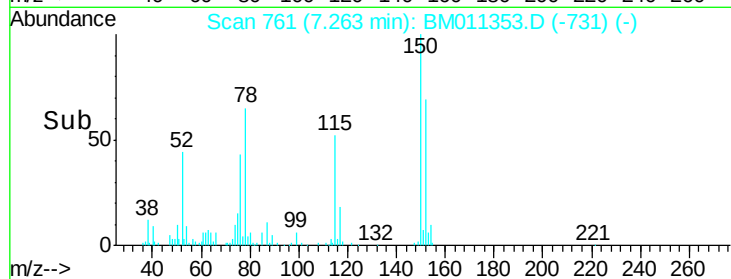
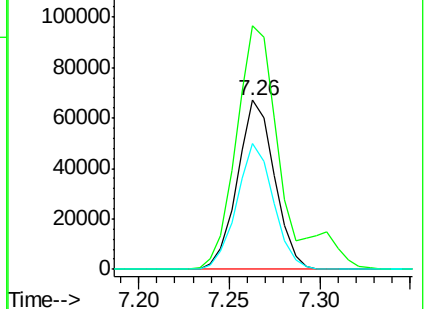
115 74.8 43.0 64.4#



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: 35.15 ng

RT: 2.92 min Scan# 22

Delta R.T. -0.01 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

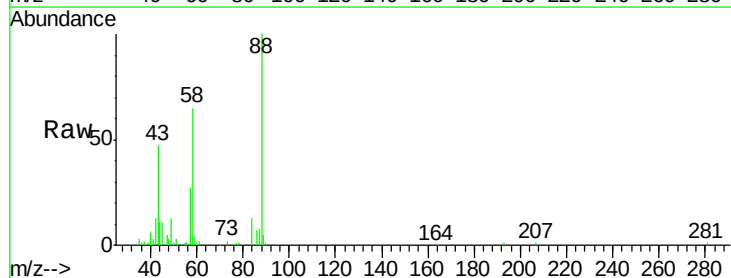
Tgt Ion: 88 Resp: 89088

Ion Ratio Lower Upper

88 100

58 69.5 0.0 0.0#

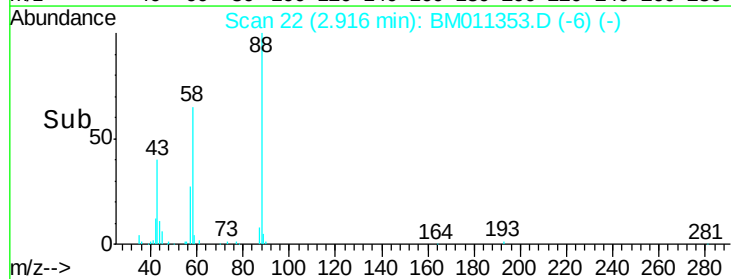
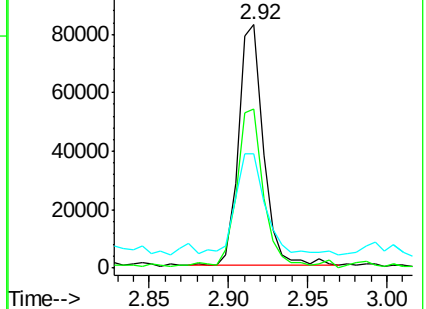
43 50.5 0.0 0.0#

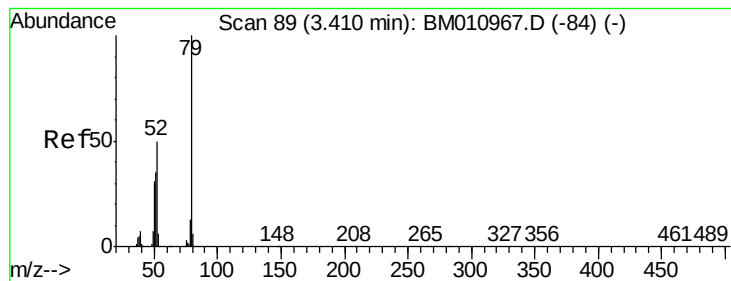


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 37.55 ng

RT: 3.29 min Scan# 85

Delta R.T. -0.01 min

Lab File: BM011353.D

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Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

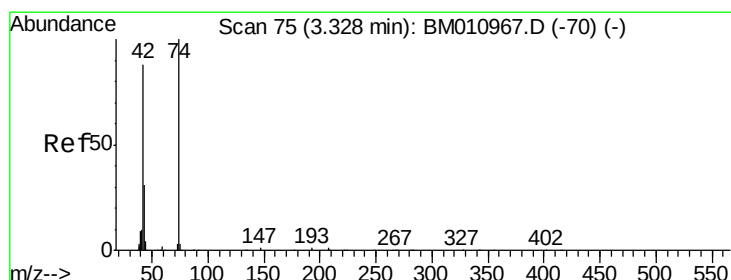
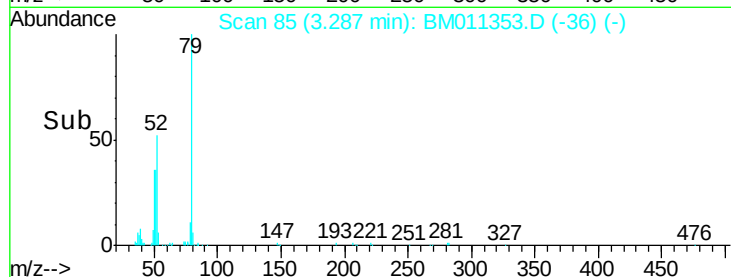
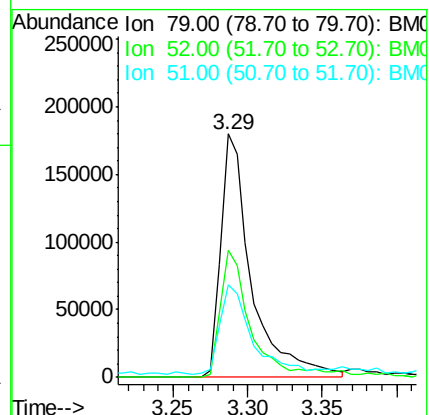
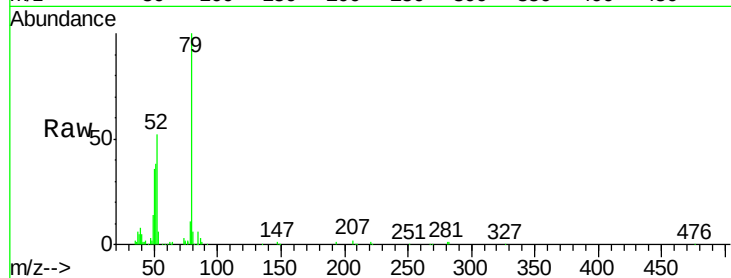
Tot Ion: 79 Resp: 259976

Ion Ratio Lower Upper

79 100

52 52.3 51.1 76.7

51 37.9 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 52.71 ng

RT: 3.20 min Scan# 71

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

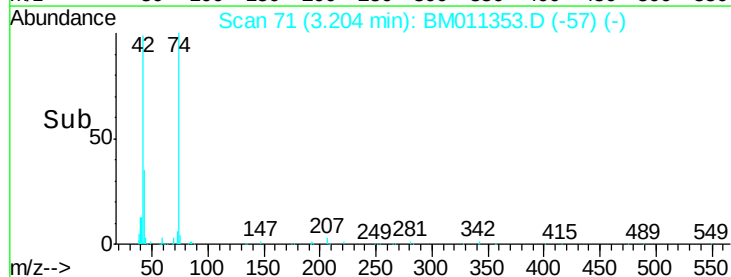
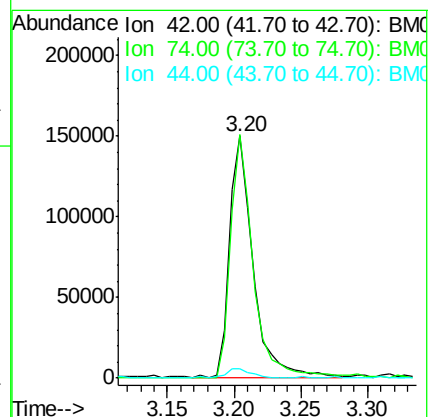
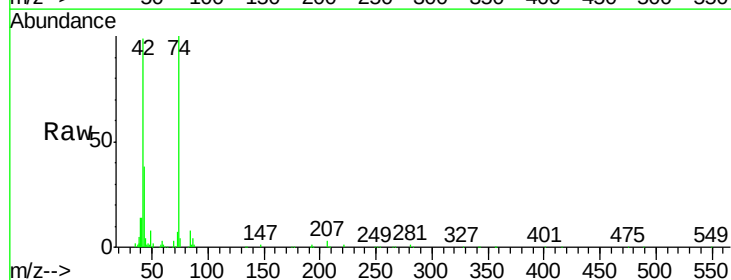
Tgt Ion: 42 Resp: 185962

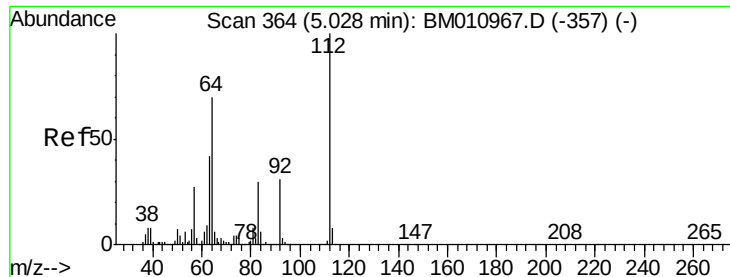
Ion Ratio Lower Upper

42 100

74 100.7 119.3 178.9#

44 3.8 5.4 8.2#





#5

2-Fluorophenol

Concen: 107.90 ng

RT: 4.91 min Scan# 361

Delta R.T. -0.02 min

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Instrument :

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ClientSampleId :

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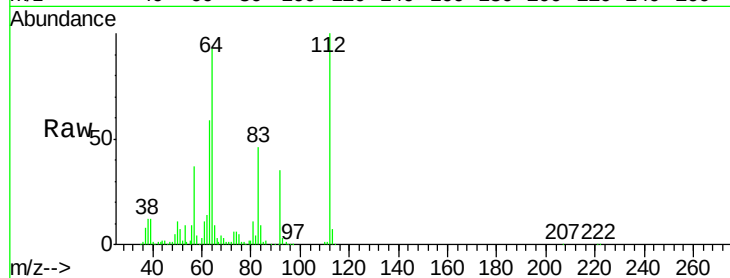
Tot Ion:112 Resp: 609087

Ion Ratio Lower Upper

112 100

64 92.6 38.6 57.8#

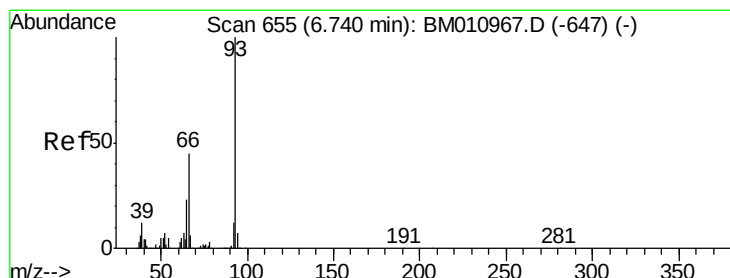
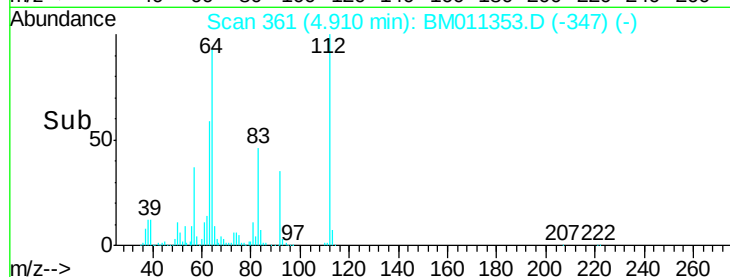
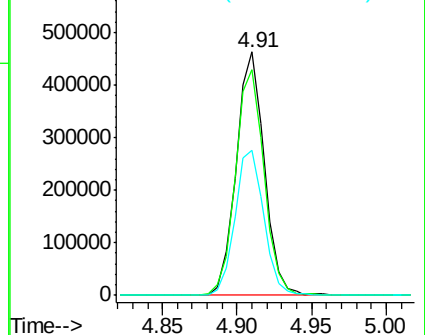
63 59.4 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 16.23 ng

RT: 6.62 min Scan# 651

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

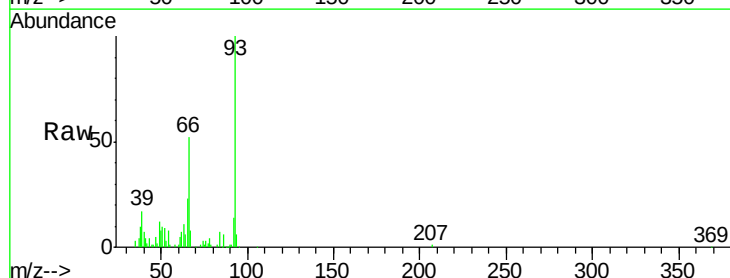
Tgt Ion: 93 Resp: 164018

Ion Ratio Lower Upper

93 100

66 51.7 30.8 46.2#

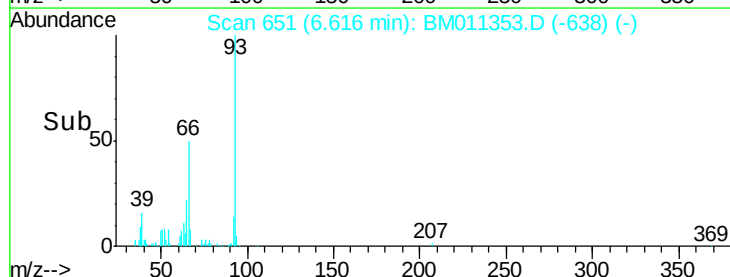
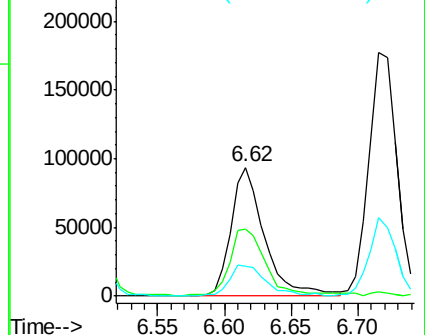
65 23.4 16.0 24.0

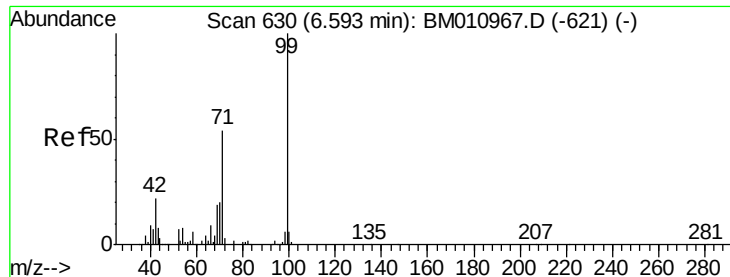


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 103.62 ng

RT: 6.47 min Scan# 627

Delta R.T. -0.02 min

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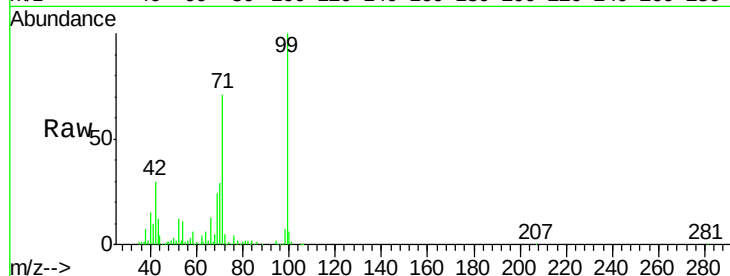
Tot Ion: 99 Resp: 831082

Ion Ratio Lower Upper

99 100

42 30.4 11.0 16.4#

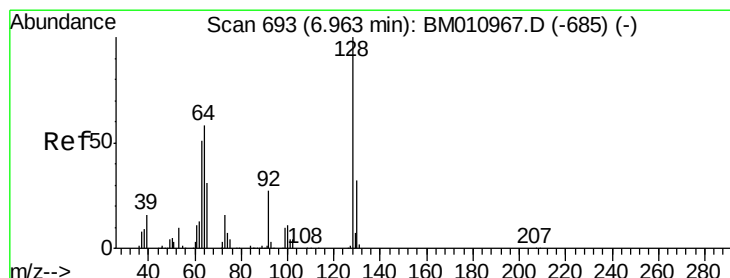
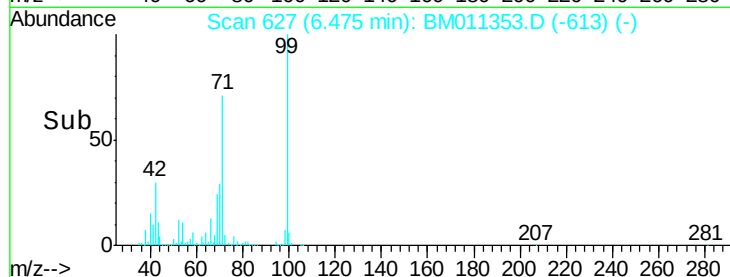
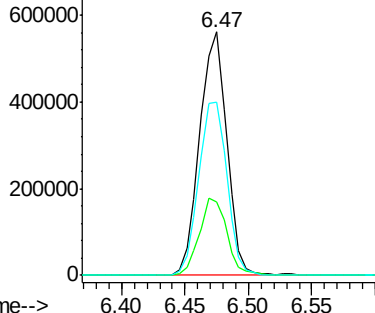
71 71.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011353.D (-613) (-)

Ion 42.00 (41.70 to 42.70): BM011353.D (-613) (-)

Ion 71.00 (70.70 to 71.70): BM011353.D (-613) (-)



#8

2-Chlorophenol

Concen: 31.95 ng

RT: 6.84 min Scan# 689

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

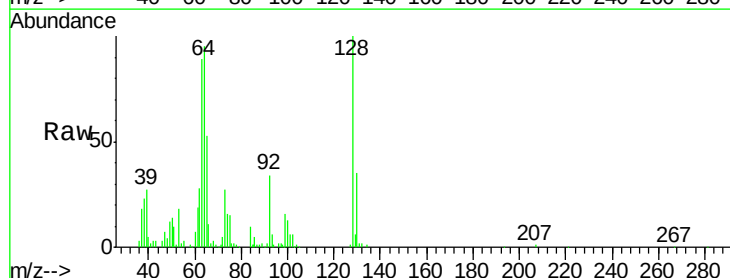
Tgt Ion: 128 Resp: 183129

Ion Ratio Lower Upper

128 100

130 34.9 12.0 52.0

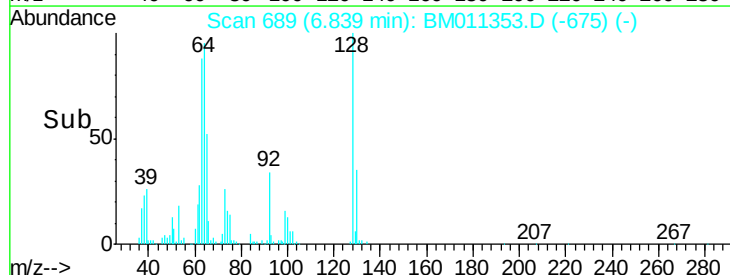
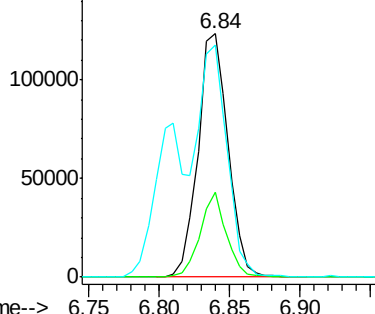
64 95.3 24.9 64.9#



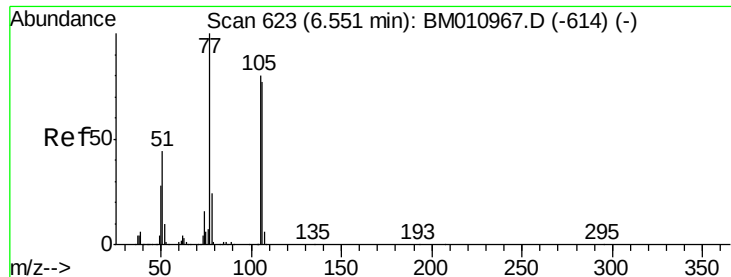
Abundance Ion 128.00 (127.70 to 128.70): BM011353.D (-675) (-)

Ion 130.00 (129.70 to 130.70): BM011353.D (-675) (-)

Ion 64.00 (63.70 to 64.70): BM011353.D (-675) (-)







#9

Benzaldehyde

Concen: 31.07 ng

RT: 6.43 min Scan# 619

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

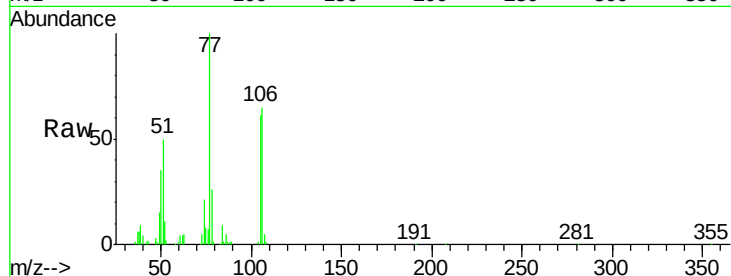
Tot Ion: 77 Resp: 161215

Ion Ratio Lower Upper

77 100

105 61.0 78.8 118.8#

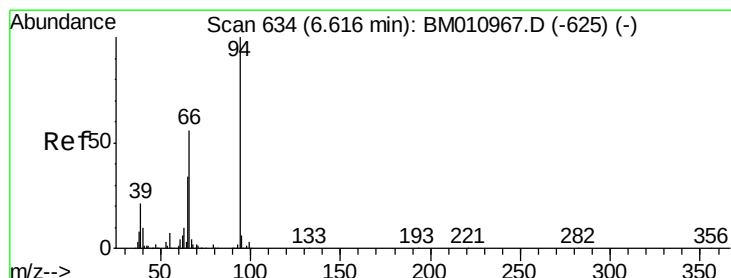
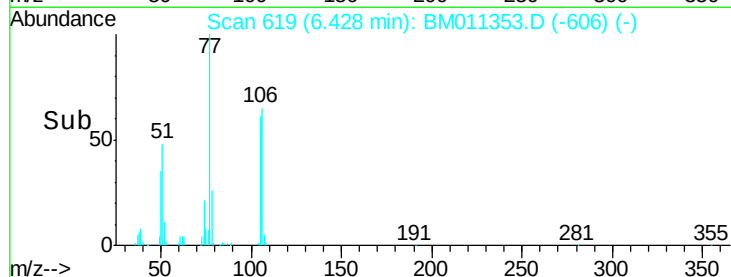
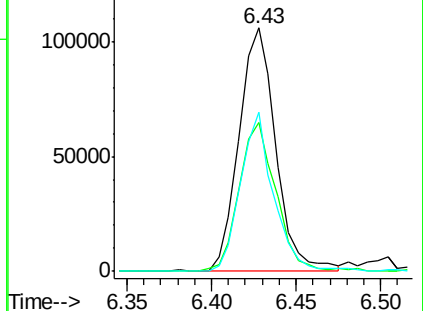
106 65.1 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM010967.D (-614) (-)

Ion 105.00 (104.70 to 105.70): BM010967.D (-614) (-)

Ion 106.00 (105.70 to 106.70): BM010967.D (-614) (-)



#10

Phenol

Concen: 34.01 ng

RT: 6.50 min Scan# 631

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

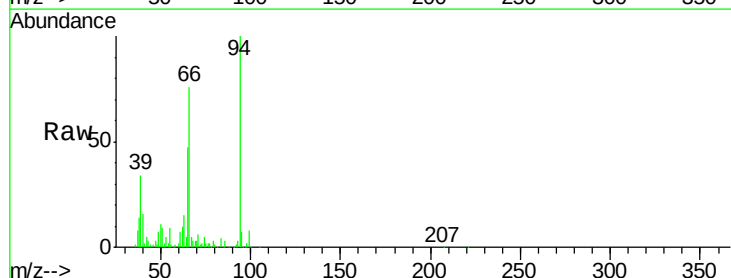
Tgt Ion: 94 Resp: 296251

Ion Ratio Lower Upper

94 100

65 46.6 18.8 58.8

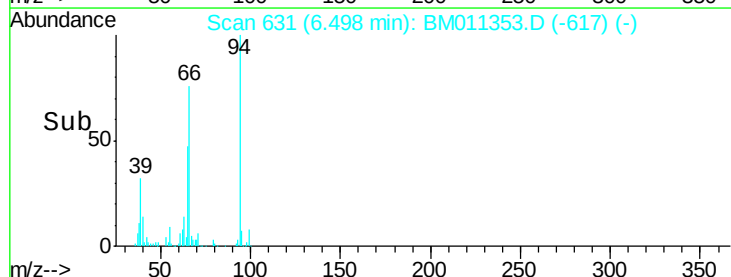
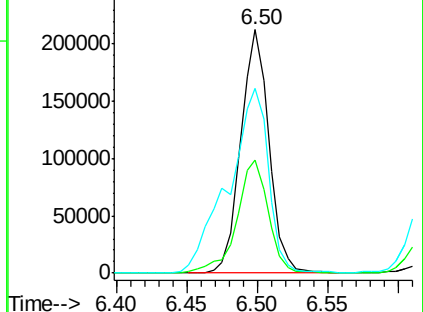
66 75.7 39.9 79.9



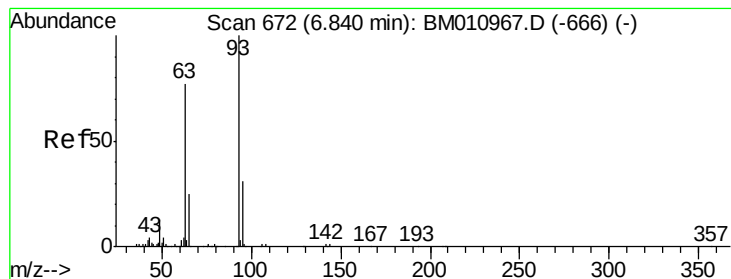
Abundance Ion 94.00 (93.70 to 94.70): BM010967.D (-625) (-)

Ion 65.00 (64.70 to 65.70): BM010967.D (-625) (-)

Ion 66.00 (65.70 to 66.70): BM010967.D (-625) (-)



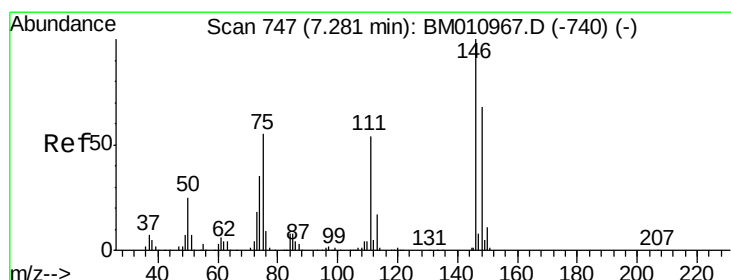
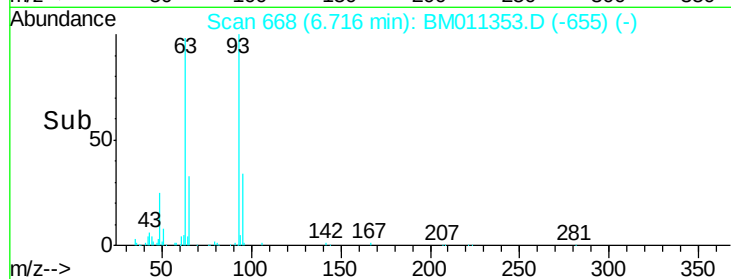
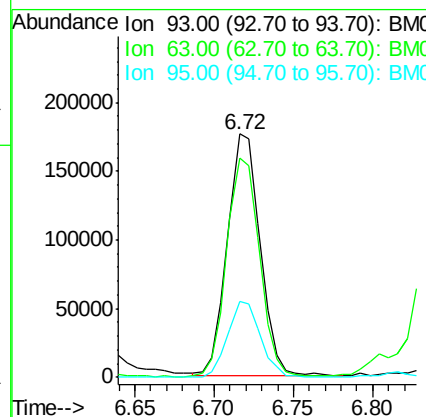
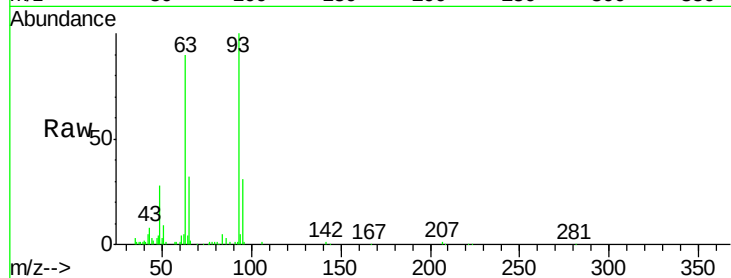




#11  
bis(2-Chloroethyl)ether  
Concen: 37.15 ng  
RT: 6.72 min Scan# 668  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

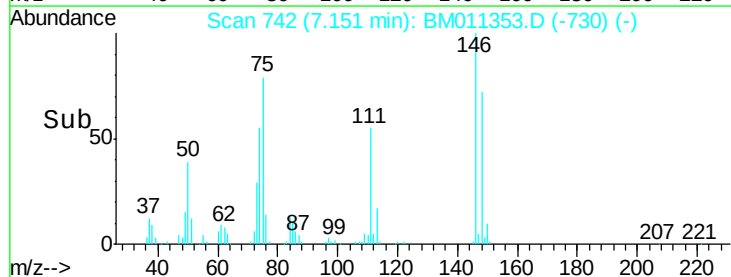
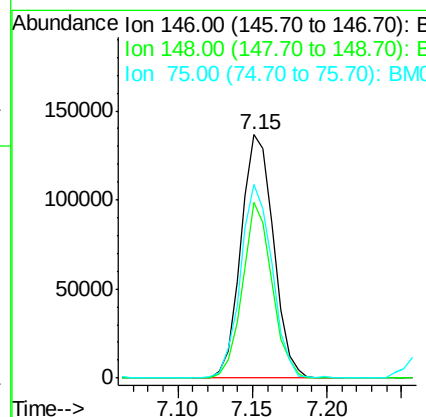
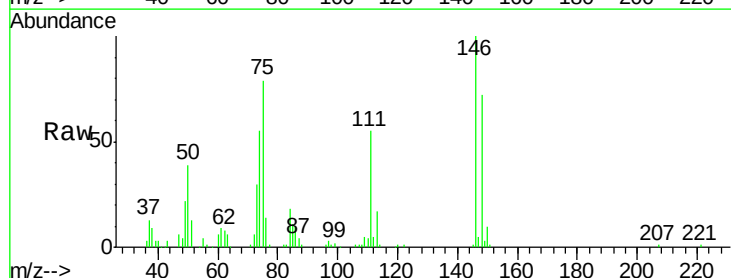
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

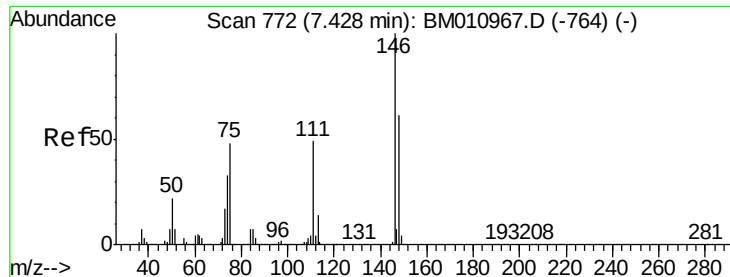
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 90.2  | 49.5  | 89.5# |
| 95      | 31.0  | 13.5  | 53.5  |



#12  
1,3-Dichlorobenzene  
Concen: 29.61 ng  
RT: 7.15 min Scan# 742  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 72.2  | 50.9  | 76.3  |
| 75      | 79.4  | 21.4  | 32.2# |

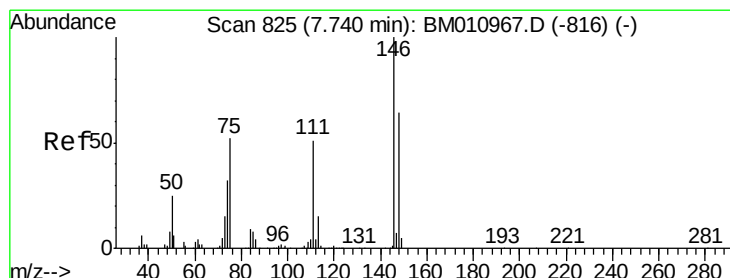
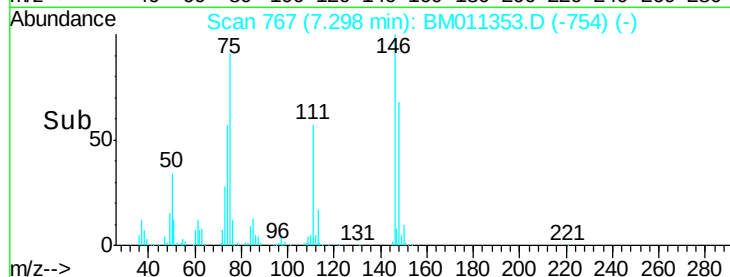
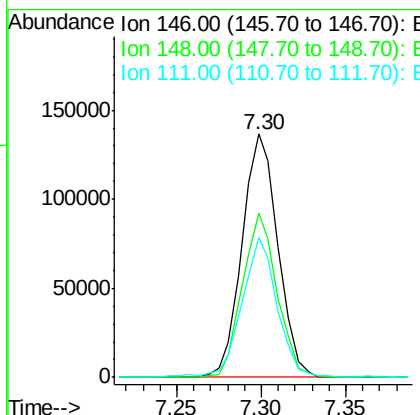
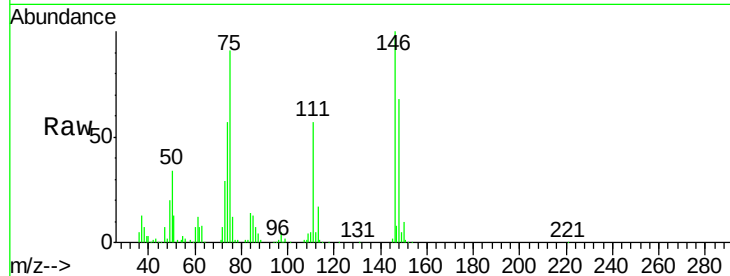




#13  
 1,4-Dichlorobenzene  
 Concen: 28.07 ng  
 RT: 7.30 min Scan# 767  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

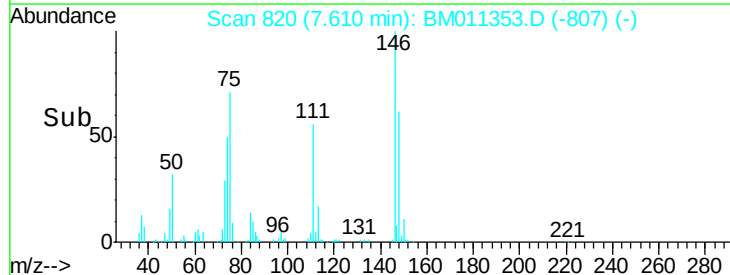
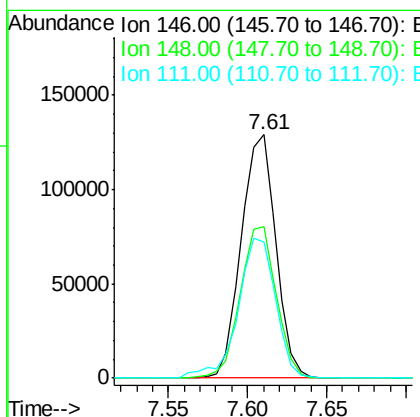
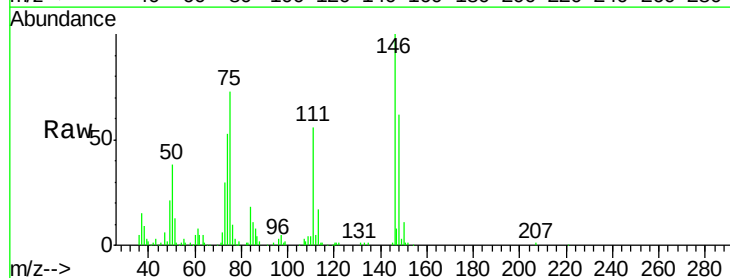
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

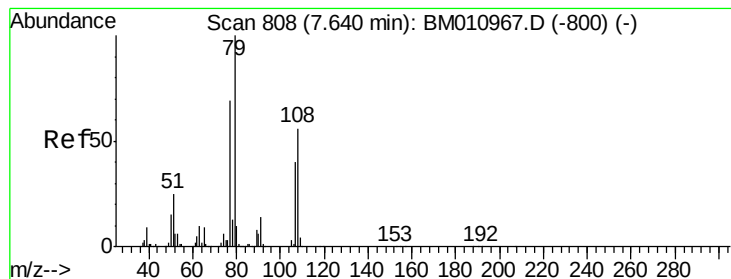
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.5  | 51.9  | 77.9  |
| 111     | 57.3  | 29.2  | 43.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 28.56 ng  
 RT: 7.61 min Scan# 820  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.3  | 52.3  | 78.5  |
| 111     | 55.8  | 30.6  | 45.8  |





#15

Benzyl Alcohol

Concen: 46.25 ng

RT: 7.52 min Scan# 804

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

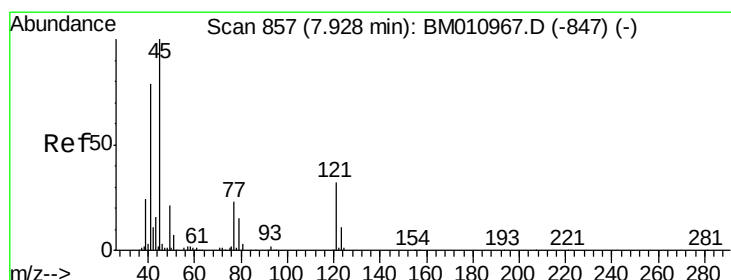
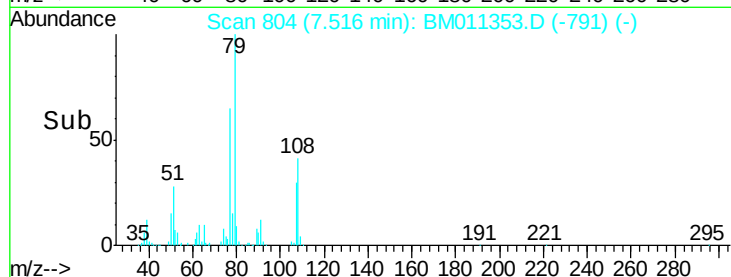
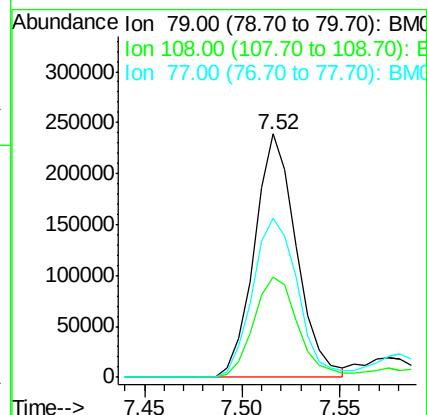
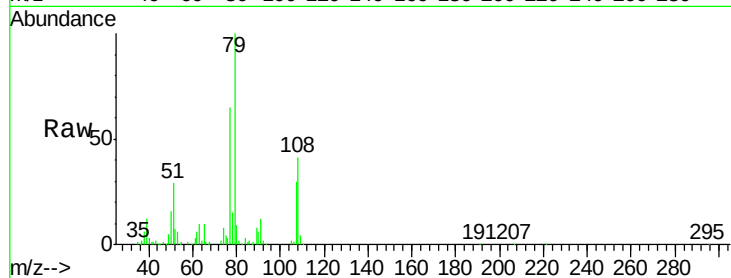
Tot Ion: 79 Resp: 355858

Ion Ratio Lower Upper

79 100

108 41.0 65.0 97.4#

77 65.3 53.0 79.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.58 ng

RT: 7.80 min Scan# 852

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

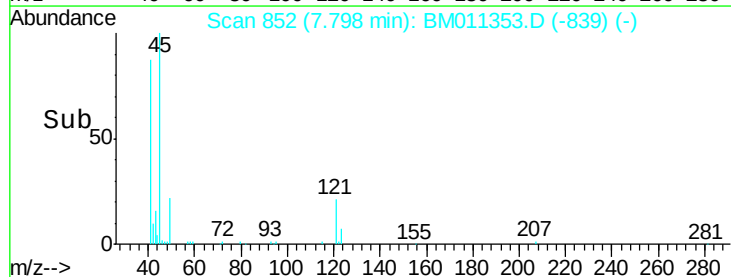
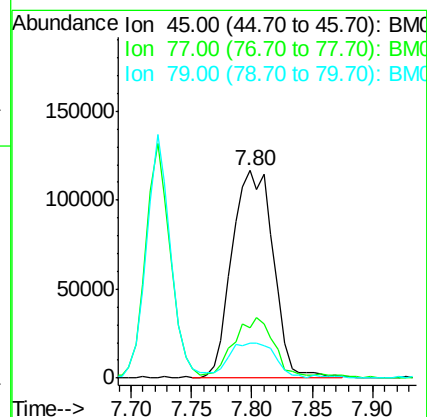
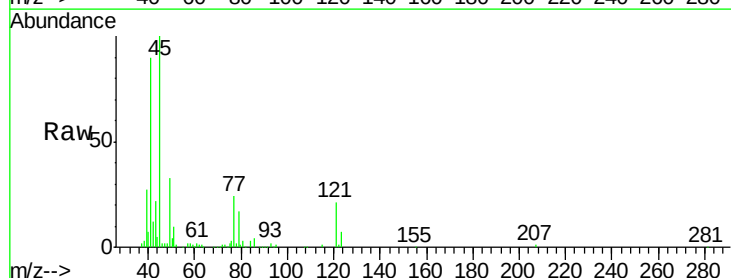
Tgt Ion: 45 Resp: 278367

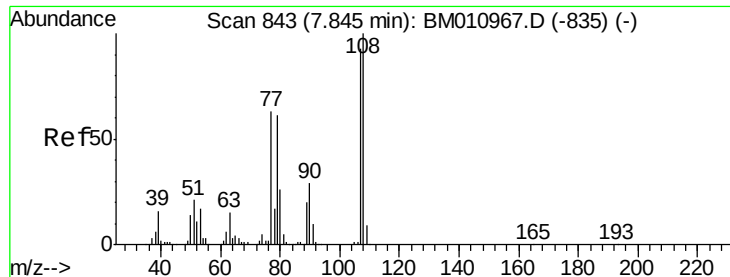
Ion Ratio Lower Upper

45 100

77 24.1 0.0 35.2

79 17.0 0.0 32.0





#17

2-Methylphenol

Concen: 36.82 ng

RT: 7.72 min Scan# 839

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

Tot Ion:107 Resp: 205003

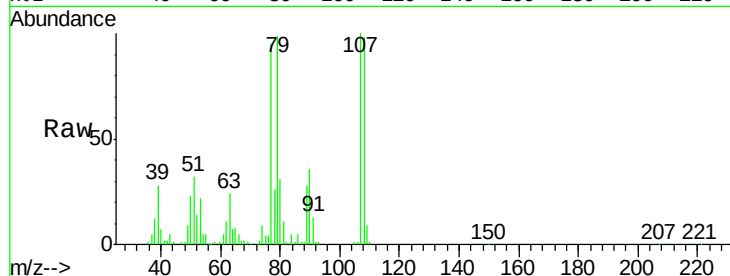
Ion Ratio Lower Upper

107 100

108 98.2 89.8 134.8

77 95.0 32.6 48.8#

79 98.5 32.8 49.2#



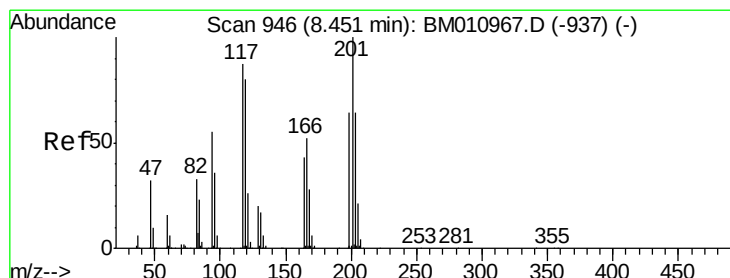
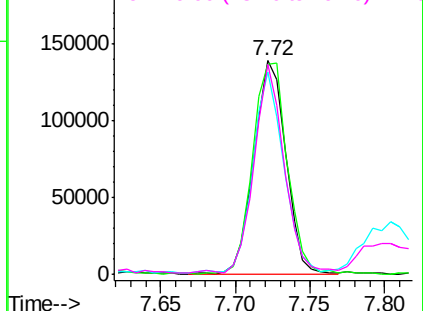
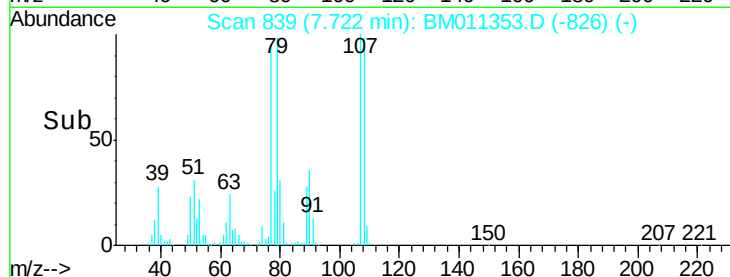
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 31.39 ng

RT: 8.32 min Scan# 940

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

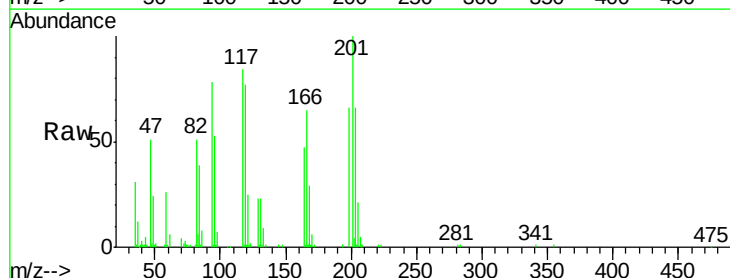
Tgt Ion:117 Resp: 98014

Ion Ratio Lower Upper

117 100

119 91.7 79.2 118.8

201 118.6 69.8 104.6#

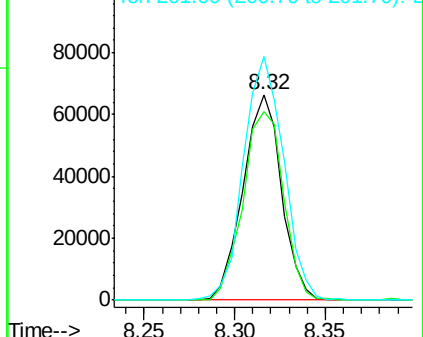
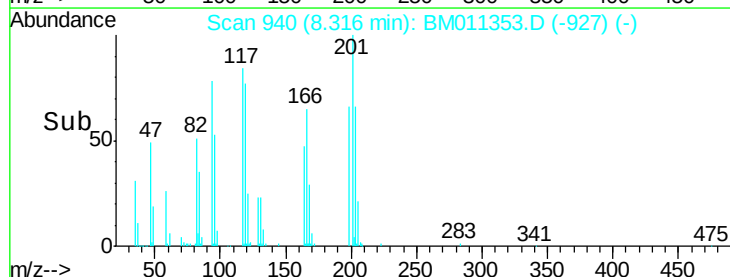


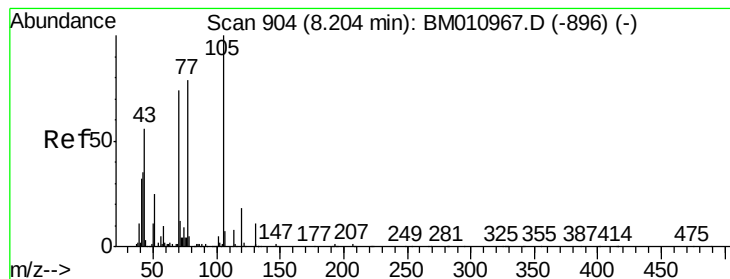
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 47.84 ng

RT: 8.07 min Scan# 899

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

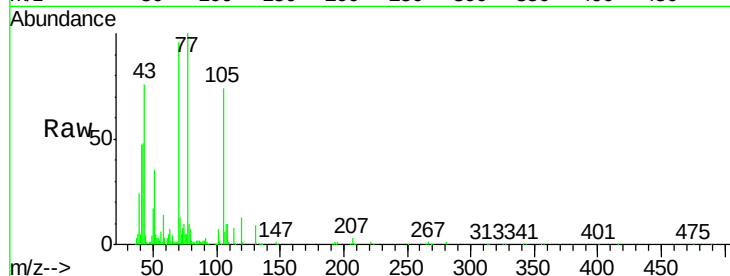
ClientSampleId :

OR-01-082317MS

Tot Ion: 70 Resp: 326032

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 70  | 100  |      |       |
| 42  | 50.2 | 44.5 | 66.7  |
| 101 | 6.9  | 7.4  | 11.2# |
| 130 | 9.6  | 15.3 | 22.9# |

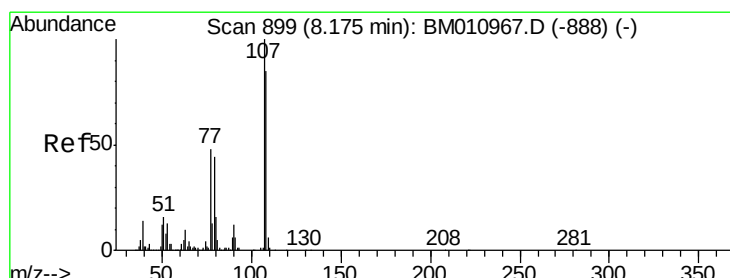
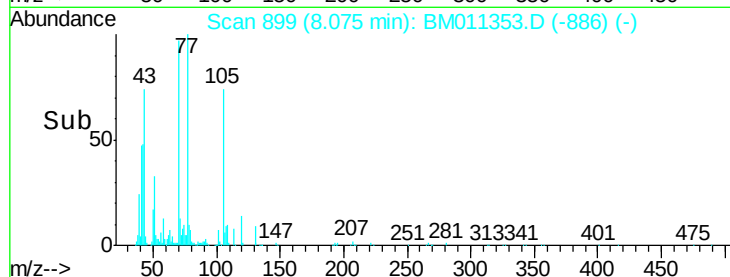
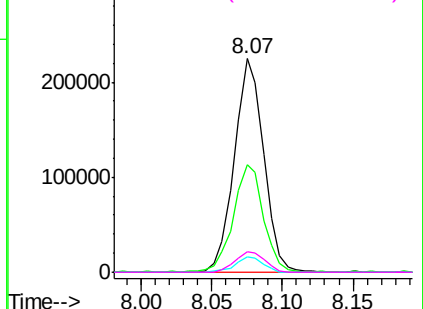


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 35.14 ng

RT: 8.05 min Scan# 895

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Tgt Ion: 107 Resp: 271956

Ion Ratio Lower Upper

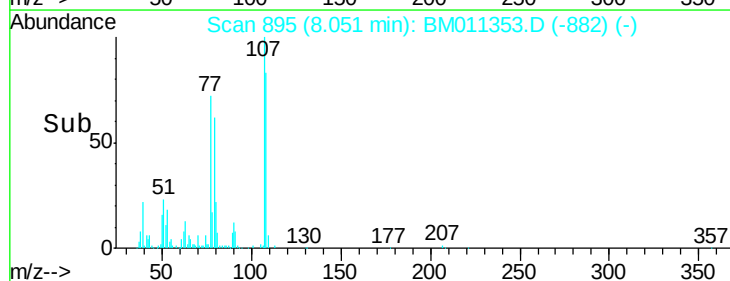
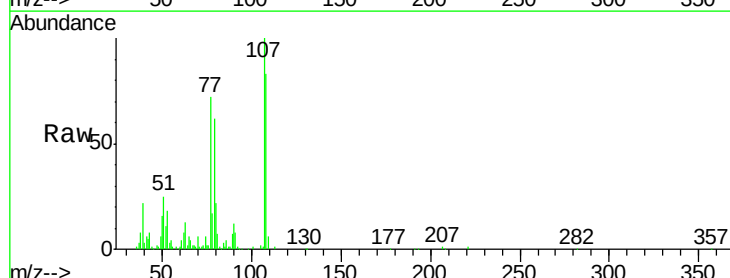
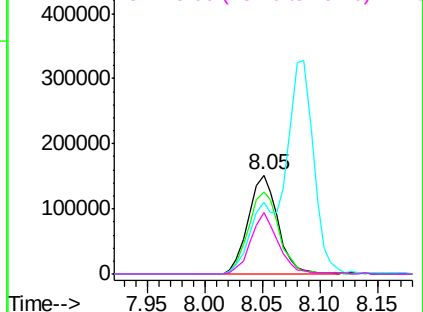
|     |      |      |       |
|-----|------|------|-------|
| 107 | 100  |      |       |
| 108 | 83.2 | 73.2 | 113.2 |
| 77  | 72.4 | 10.7 | 50.7# |
| 79  | 62.0 | 9.6  | 49.6# |

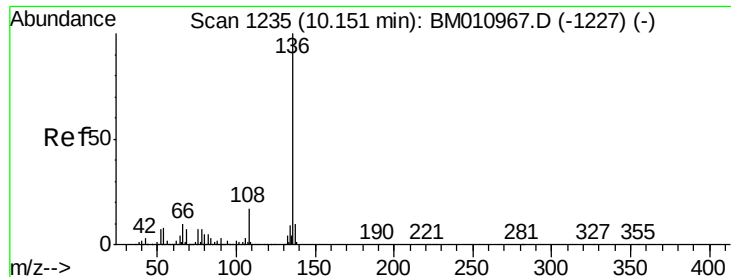
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0

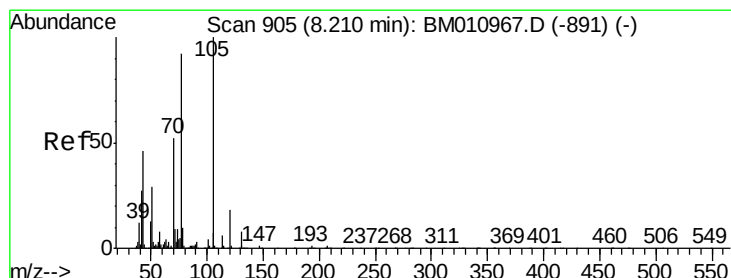
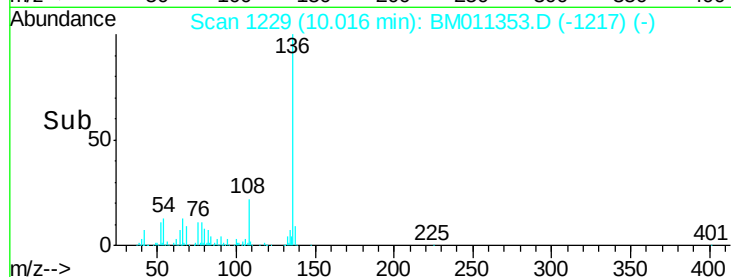
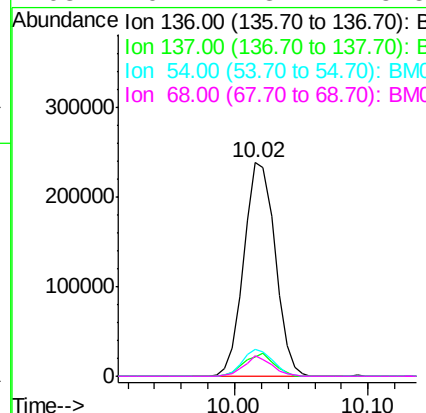
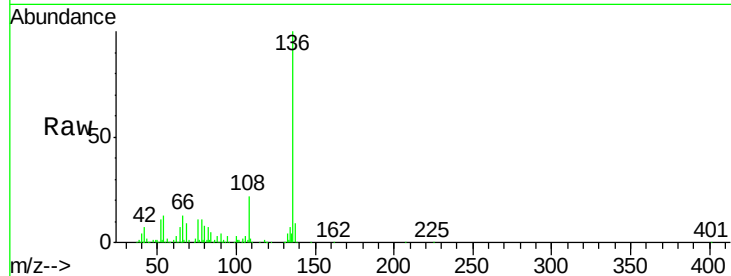




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.02 min Scan# 1229  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

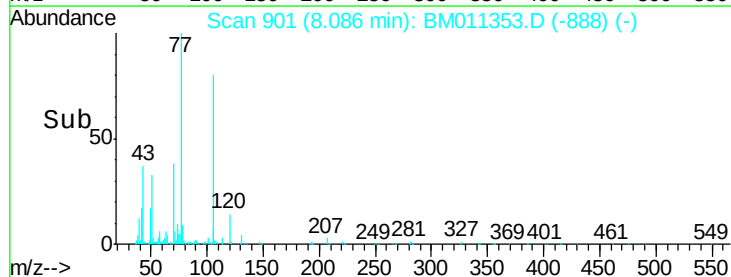
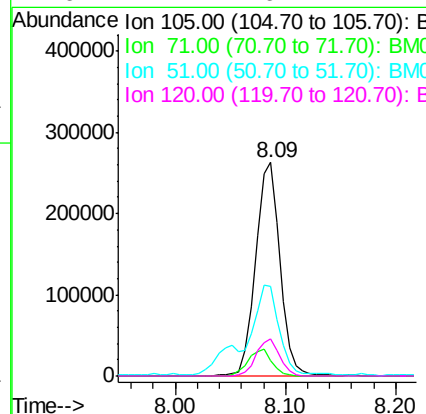
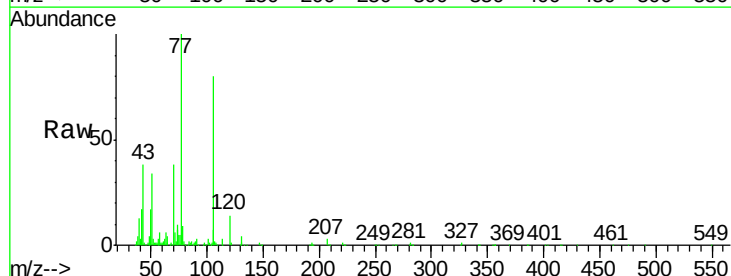
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

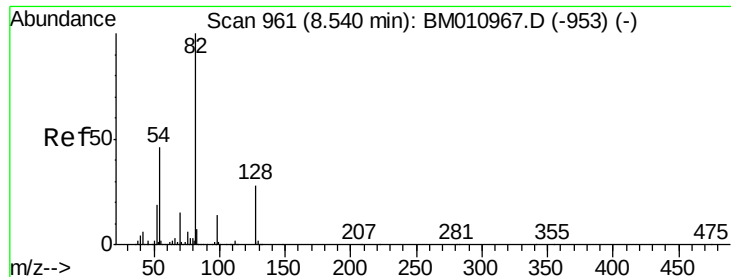
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 386033 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 8.9     | 8.7   | 13.1   |
| 54 12.9     | 4.6   | 6.8#   |
| 68 9.4      | 3.7   | 5.5#   |



#22  
Acetophenone  
Concen: 35.22 ng  
RT: 8.09 min Scan# 901  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 407579 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 7.2     | 0.6   | 1.0#   |
| 51  | 41.8    | 21.6  | 32.4#  |
| 120 | 17.4    | 16.1  | 24.1   |

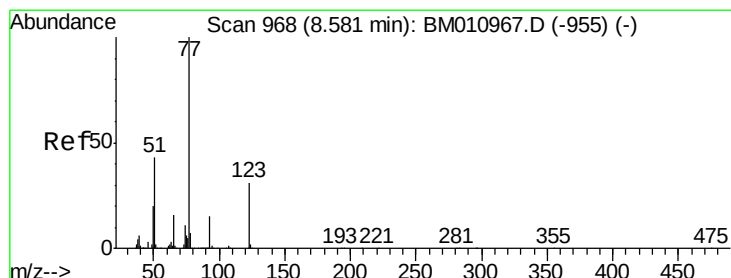
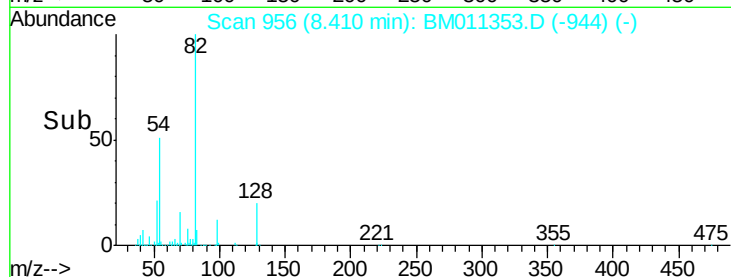
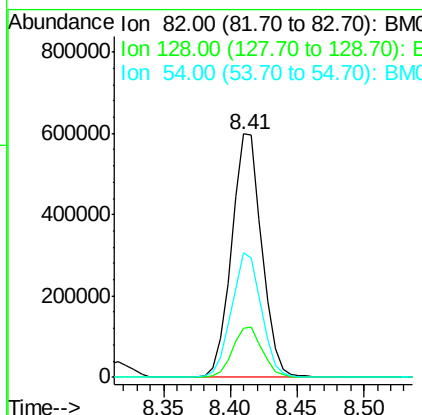
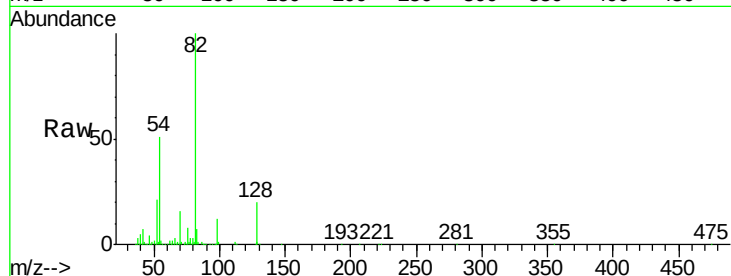




#23  
 Nitrobenzene-d5  
 Concen: 91.94 ng  
 RT: 8.41 min Scan# 956  
 Delta R.T. -0.03 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

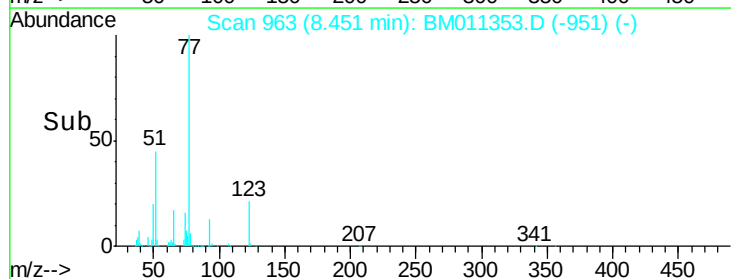
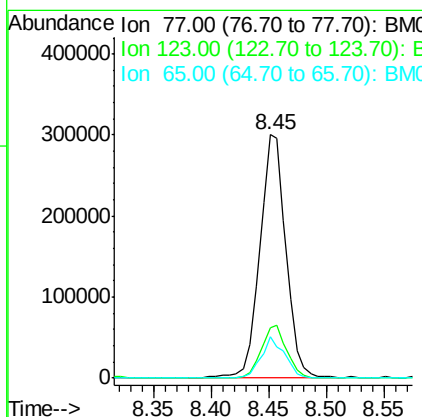
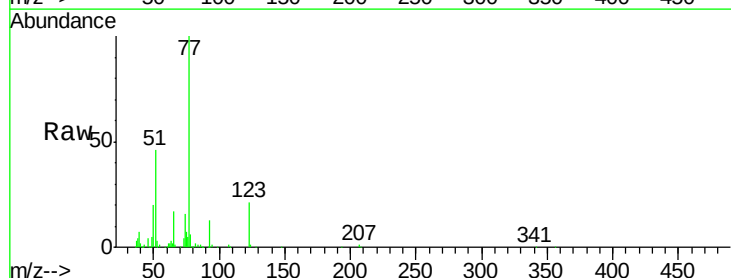
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

| Tot Ion   | 82    | Resp  | 945683 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 19.9  | 32.8  | 49.2#  |
| 54        | 50.9  | 40.6  | 60.8   |

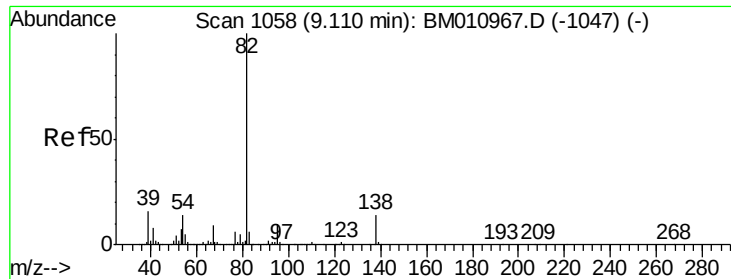


#24  
 Nitrobenzene  
 Concen: 44.79 ng  
 RT: 8.45 min Scan# 963  
 Delta R.T. -0.03 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

| Tgt Ion   | 77    | Resp  | 477404 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 20.8  | 32.6  | 49.0#  |
| 65        | 17.2  | 10.9  | 16.3#  |







#25

Isophorone

Concen: 42.85 ng

RT: 8.97 min Scan# 1052

Delta R.T. -0.03 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

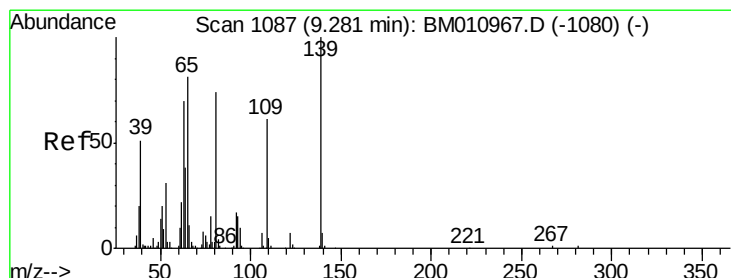
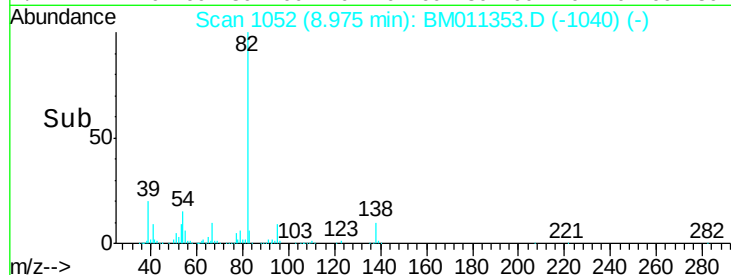
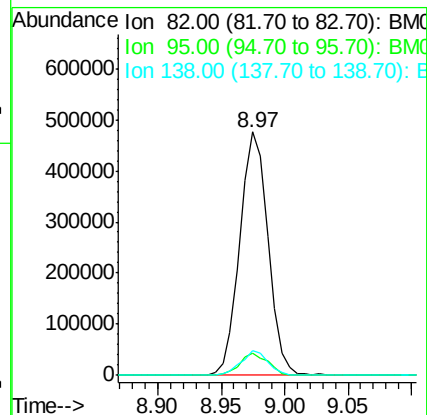
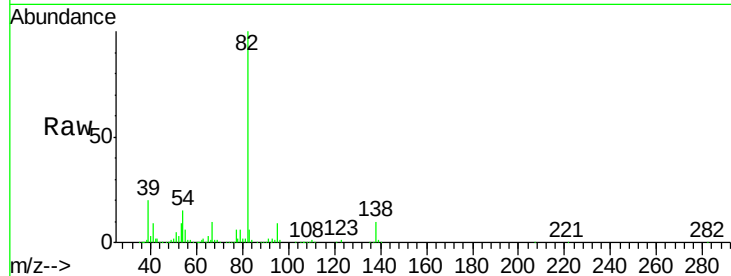
Tot Ion: 82 Resp: 734868

Ion Ratio Lower Upper

82 100

95 9.0 5.8 8.6#

138 10.2 16.3 24.5#



#26

2-Nitrophenol

Concen: 33.45 ng

RT: 9.16 min Scan# 1083

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

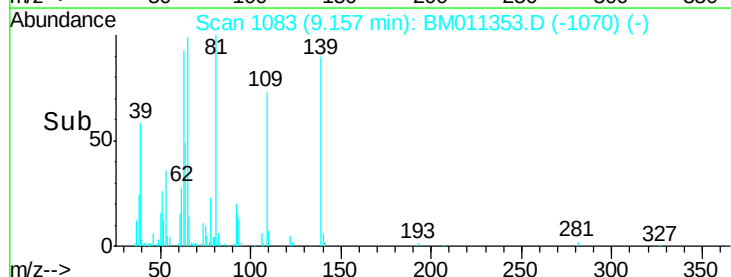
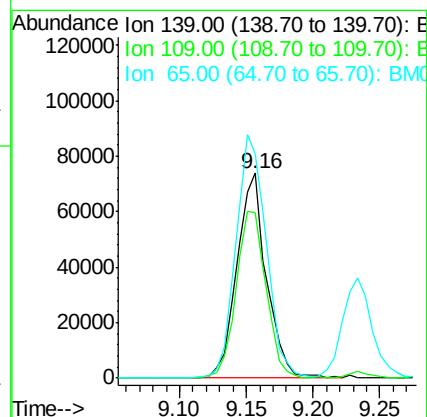
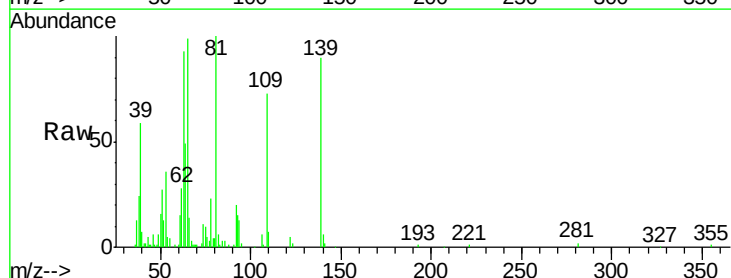
Tgt Ion: 139 Resp: 113431

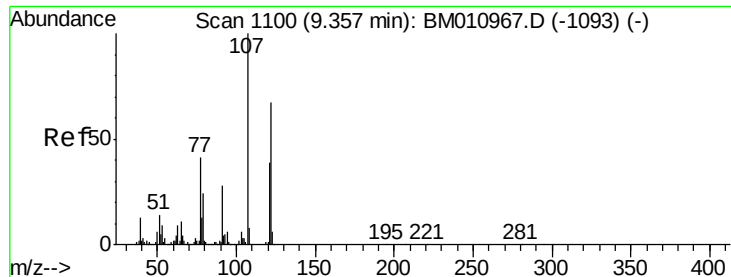
Ion Ratio Lower Upper

139 100

109 80.4 20.1 30.1#

65 109.7 31.5 47.3#

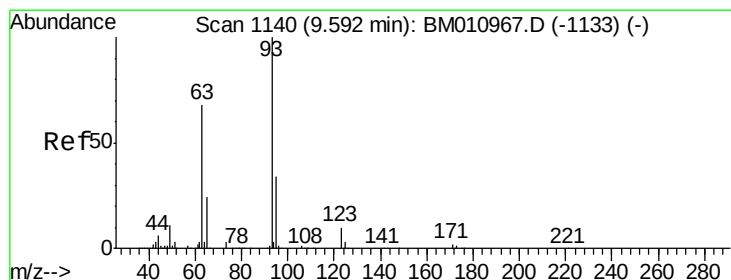
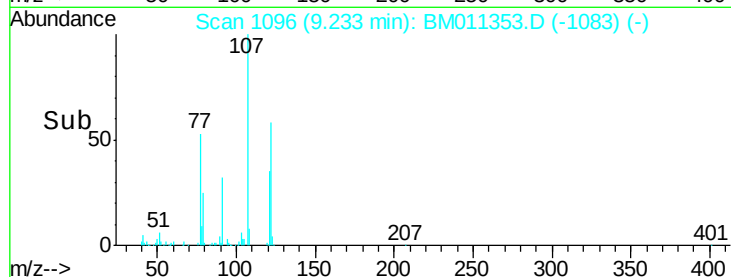
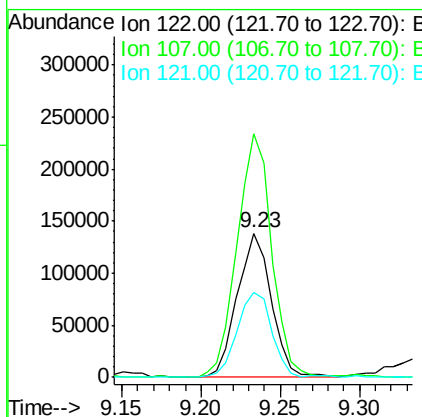
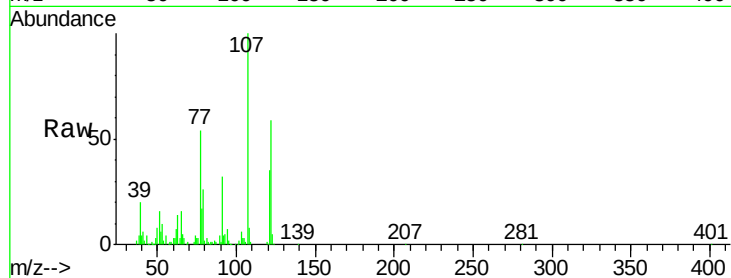




#27  
 2,4-Dimethylphenol  
 Concen: 34.56 ng  
 RT: 9.23 min Scan# 1096  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

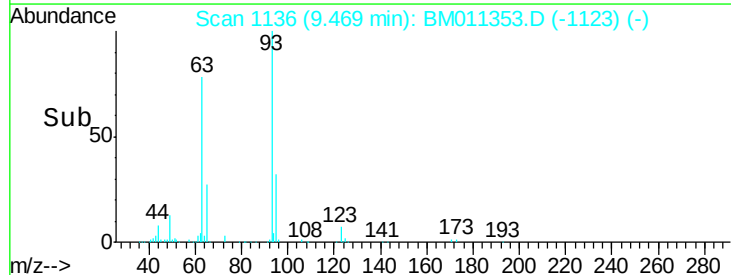
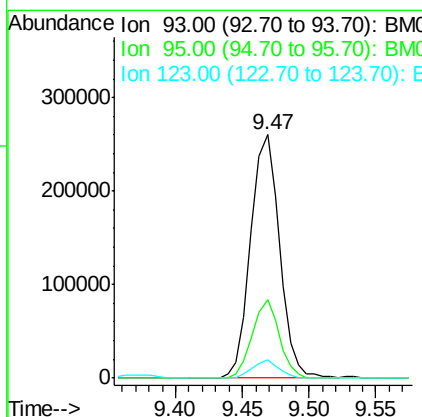
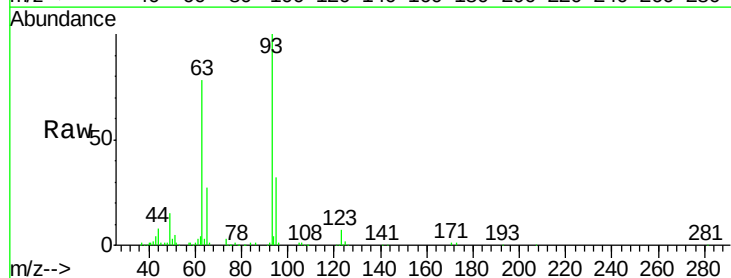
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

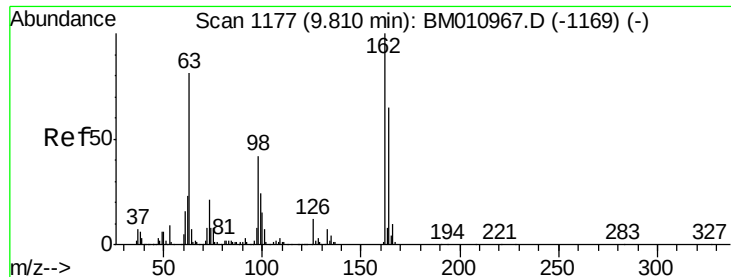
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 169.2 | 84.7  | 127.1# |
| 121     | 58.9  | 46.6  | 69.8   |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.55 ng  
 RT: 9.47 min Scan# 1136  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.2  | 25.5  | 38.3  |
| 123     | 7.4   | 8.6   | 13.0# |

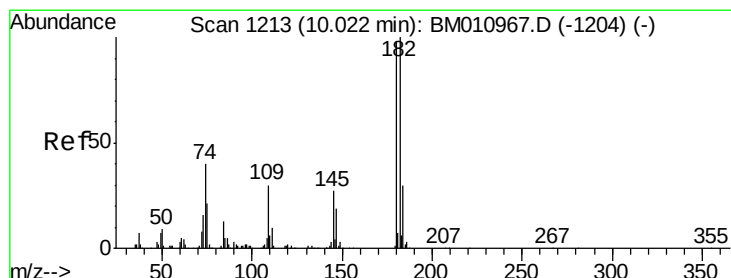
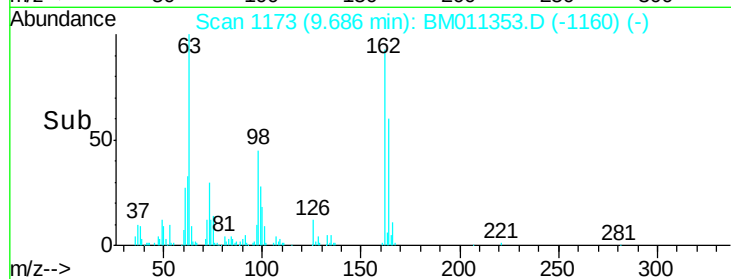
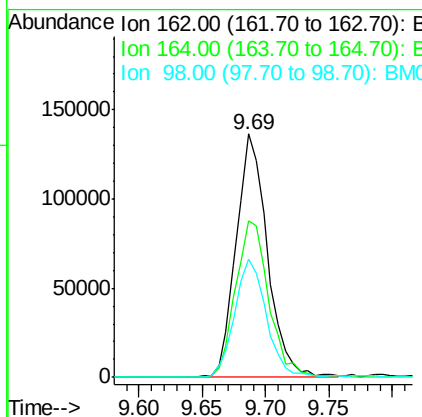
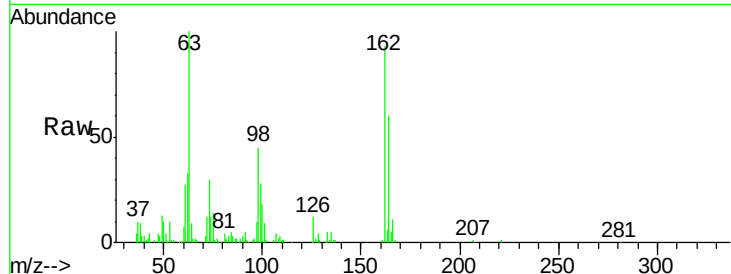




#29  
 2,4-Dichlorophenol  
 Concen: 34.75 ng  
 RT: 9.69 min Scan# 1173  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

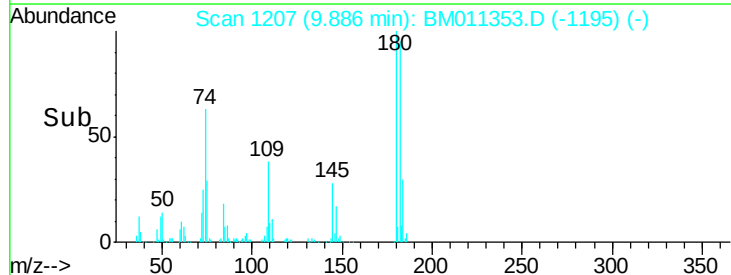
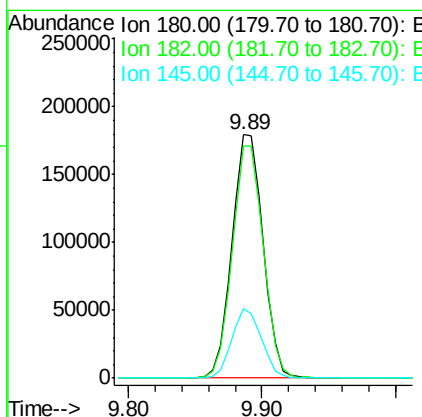
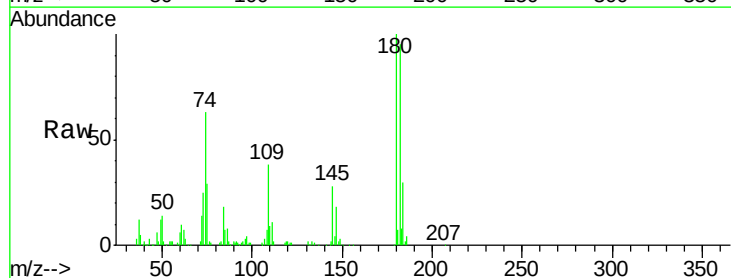
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

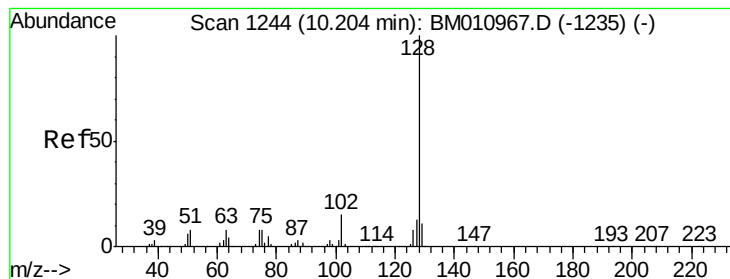
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 42.8  | 82.8  |
| 98      | 48.5  | 14.5  | 54.5  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 35.03 ng  
 RT: 9.89 min Scan# 1207  
 Delta R.T. -0.03 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 77.6  | 116.4 |
| 145     | 28.4  | 23.4  | 35.2  |

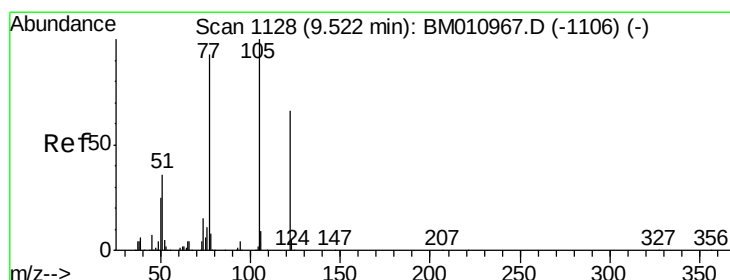
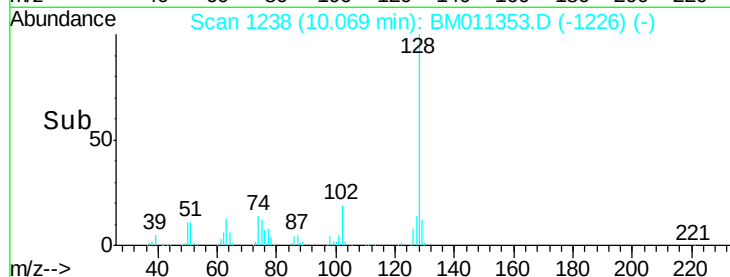
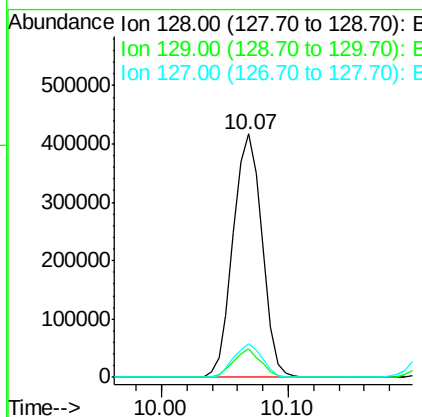
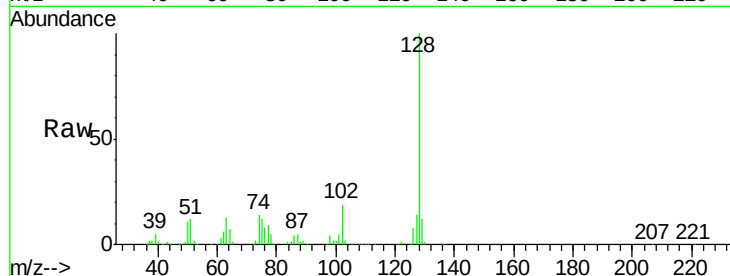




#31  
Naphthalene  
Concen: 33.84 ng  
RT: 10.07 min Scan# 1238  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

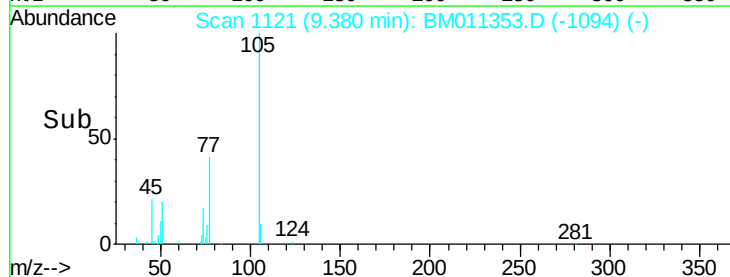
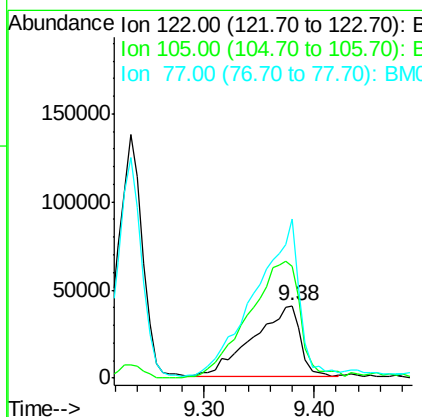
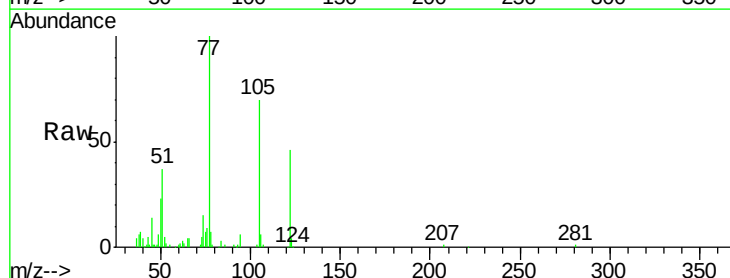
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

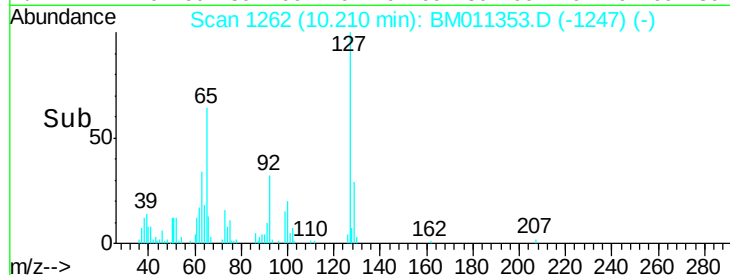
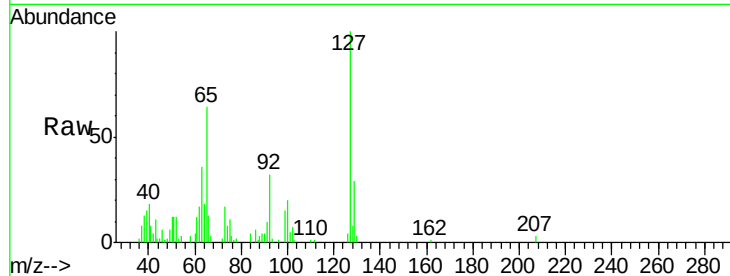
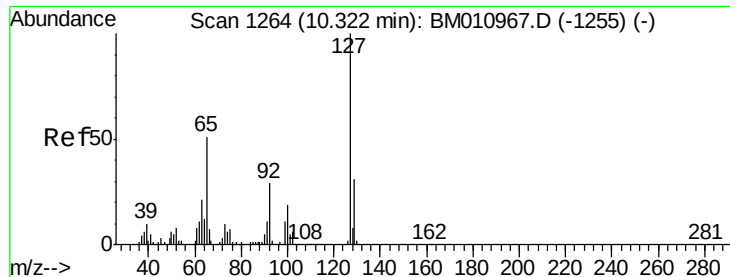
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.0  | 8.9   | 13.3  |
| 127     | 14.1  | 10.4  | 15.6  |



#32  
Benzoic acid  
Concen: 25.26 ng  
RT: 9.38 min Scan# 1121  
Delta R.T. -0.04 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 154.3 | 99.9  | 139.9# |
| 77      | 218.8 | 73.7  | 113.7# |

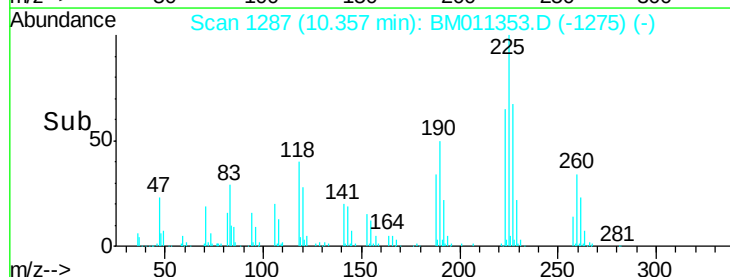
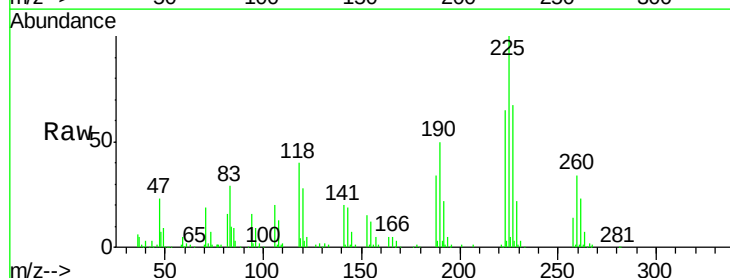
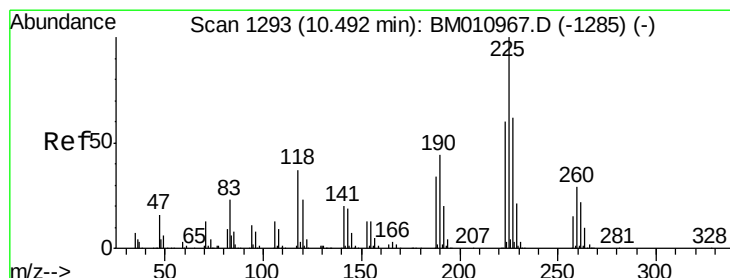
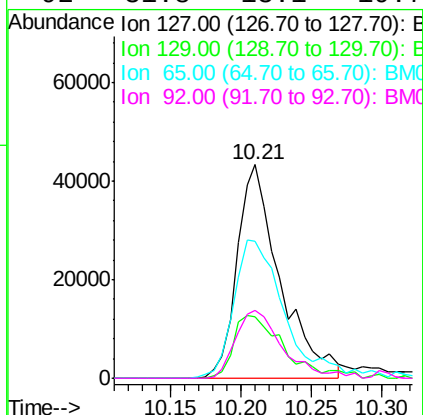




#33  
4-Chloroaniline  
Concen: 11.90 ng  
RT: 10.21 min Scan# 1262  
Delta R.T. -0.01 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

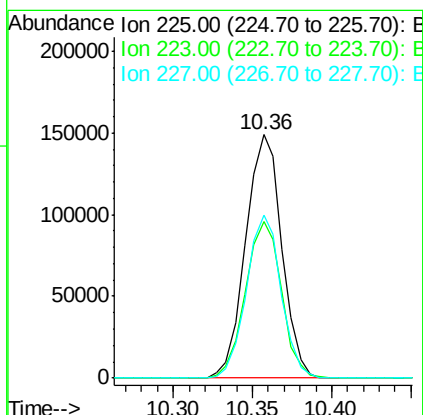
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

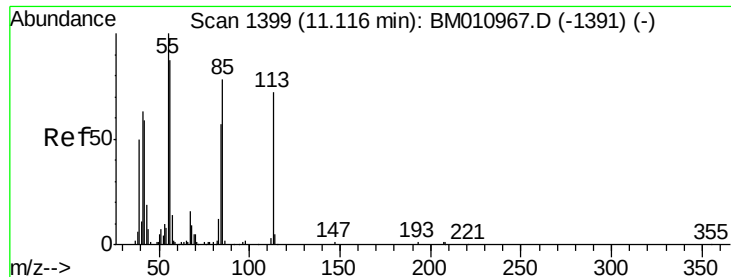
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 28.8  | 25.3  | 37.9  |
| 65      | 64.2  | 17.6  | 26.4  |
| 92      | 31.8  | 13.1  | 19.7  |



#34  
Hexachlorobutadiene  
Concen: 36.04 ng  
RT: 10.36 min Scan# 1287  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.5  | 47.9  | 71.9  |
| 227     | 67.0  | 50.1  | 75.1  |





#35

Caprolactam

Concen: 23.55 ng

RT: 10.99 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

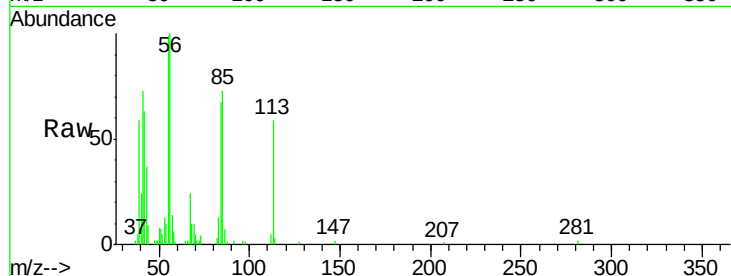
Tot Ion:113 Resp: 44799

Ion Ratio Lower Upper

113 100

55 167.1 145.9 185.9

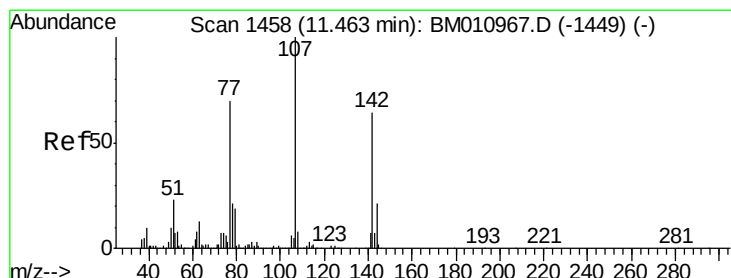
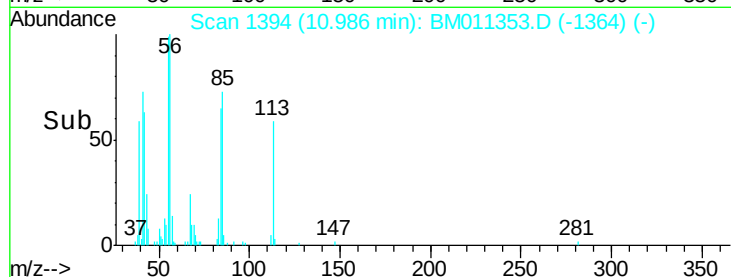
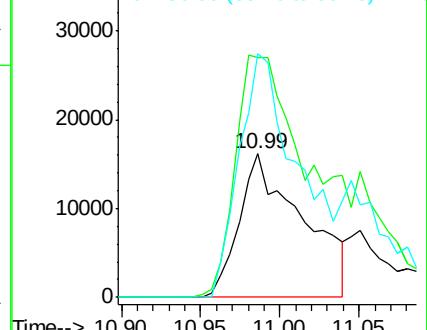
56 169.4 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 37.75 ng

RT: 11.34 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

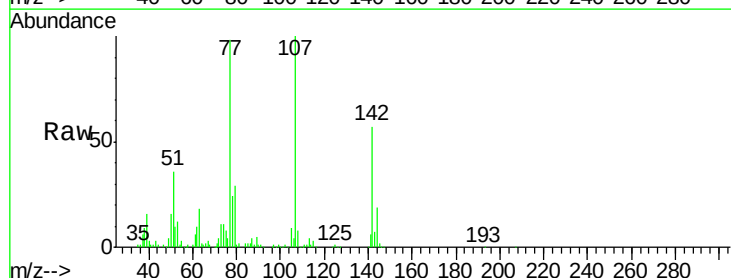
Tgt Ion:107 Resp: 326969

Ion Ratio Lower Upper

107 100

144 18.6 23.3 34.9#

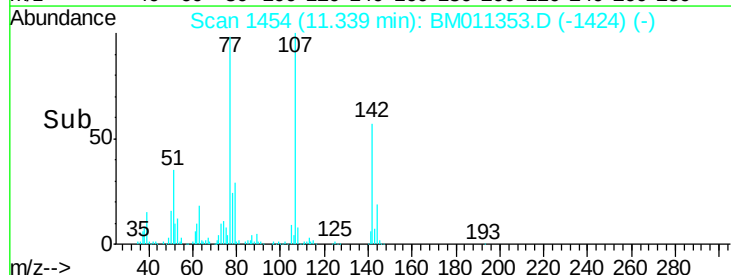
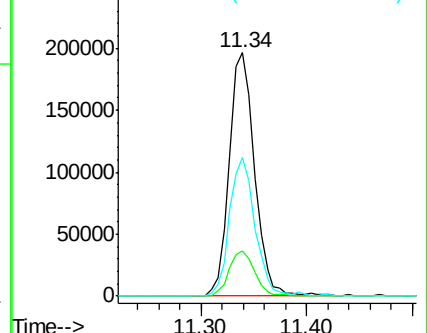
142 56.8 72.6 109.0#

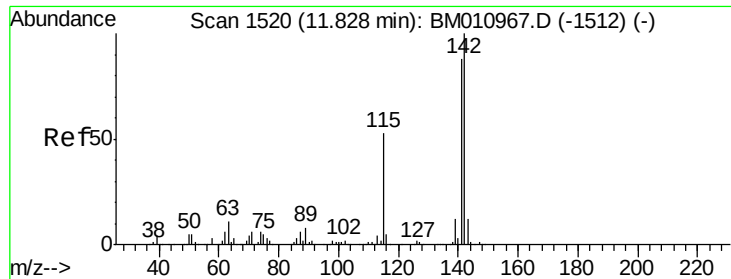


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

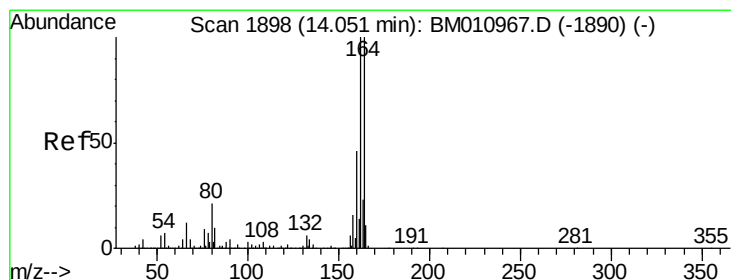
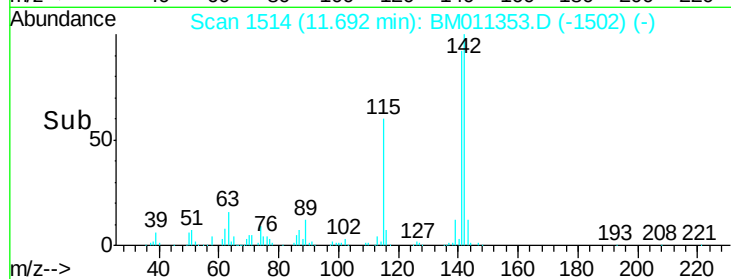
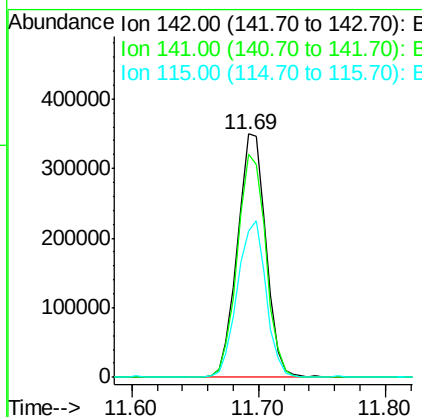
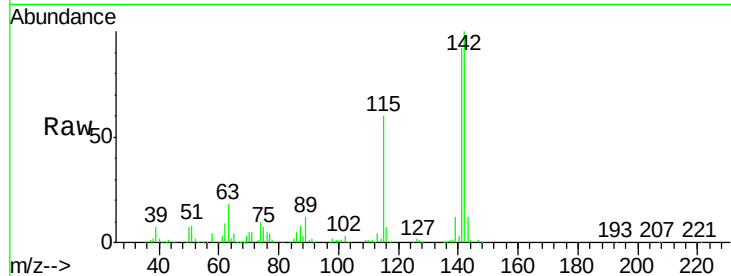




#37  
2-Methylnaphthalene  
Concen: 38.11 ng  
RT: 11.69 min Scan# 1514  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

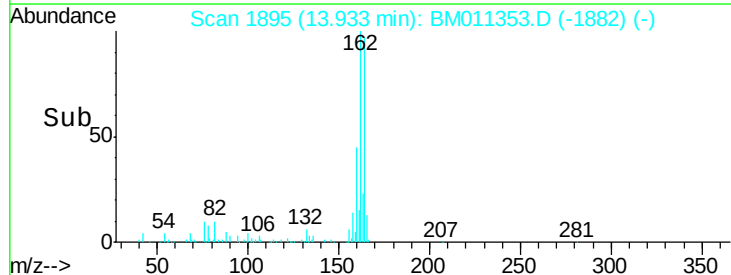
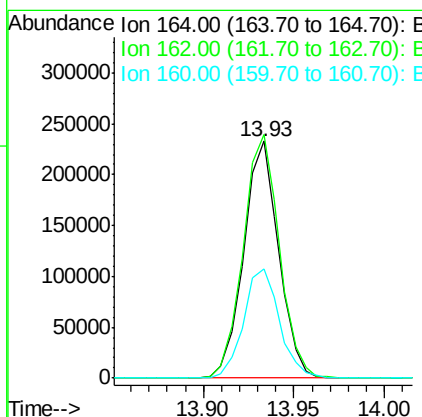
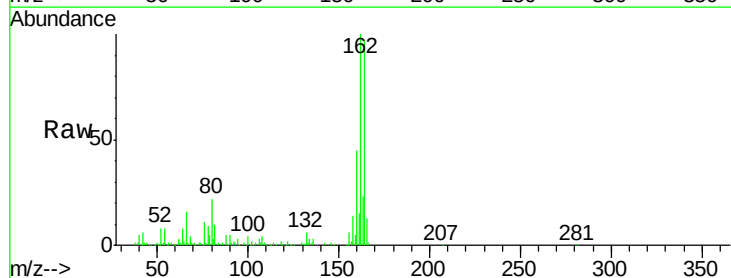
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

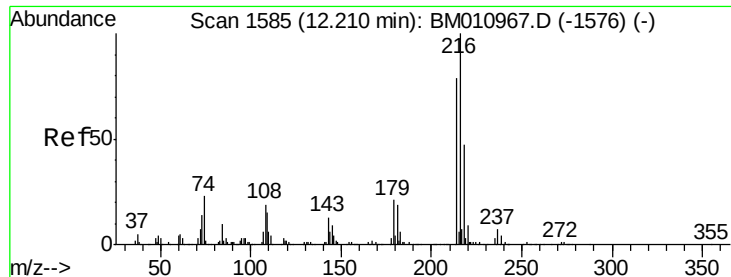
Tot Ion:142 Resp: 543640  
Ion Ratio Lower Upper  
142 100  
141 91.7 71.9 107.9  
115 60.0 25.4 38.0#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 13.93 min Scan# 1895  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:164 Resp: 310540  
Ion Ratio Lower Upper  
164 100  
162 102.7 82.4 123.6  
160 46.0 35.8 53.6

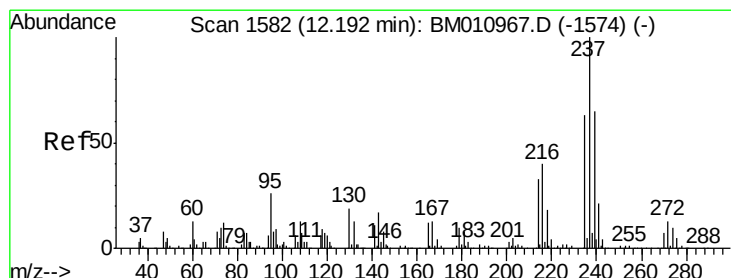
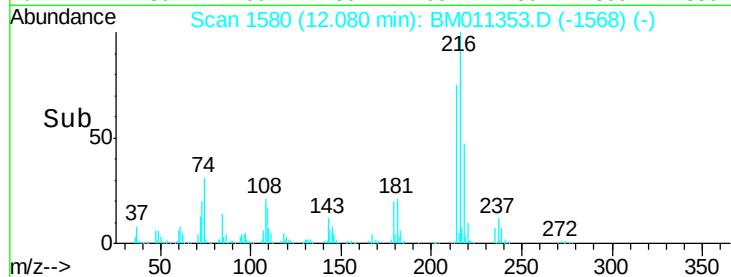
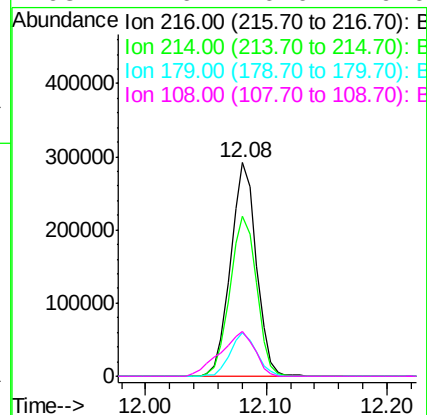
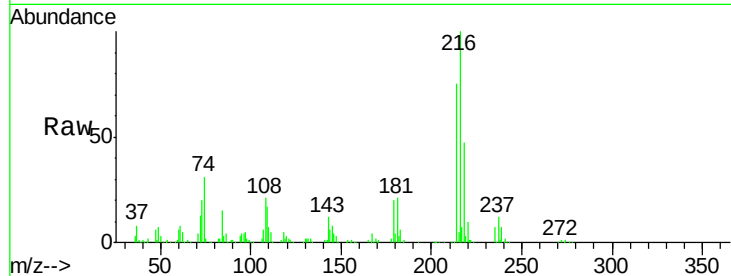




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 32.39 ng  
 RT: 12.08 min Scan# 1580  
 Delta R.T. -0.03 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

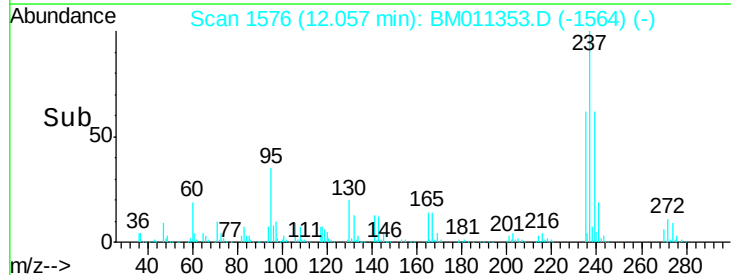
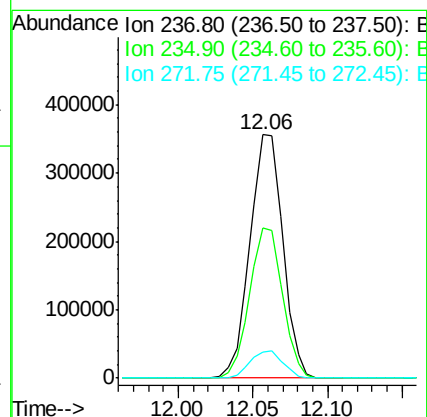
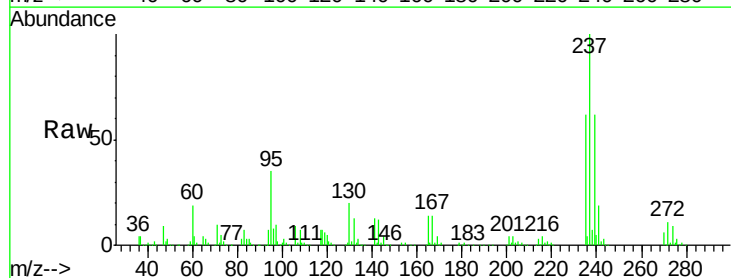
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

|             |       |          |
|-------------|-------|----------|
| Tot Ion:216 | Resp: | 432169   |
| Ion Ratio   | Lower | Upper    |
| 216         | 100   |          |
| 214         | 77.8  | 0.0 0.0# |
| 179         | 20.8  | 0.0 0.0# |
| 108         | 27.6  | 0.0 0.0# |

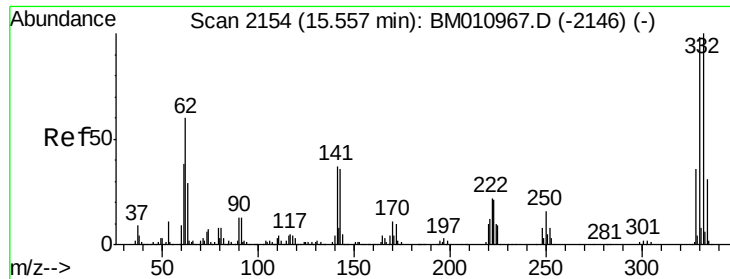


#40  
 Hexachlorocyclopentadiene  
 Concen: 69.59 ng  
 RT: 12.06 min Scan# 1576  
 Delta R.T. -0.03 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 540998    |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 61.7  | 42.0 82.0 |
| 272         | 10.8  | 0.0 33.4  |



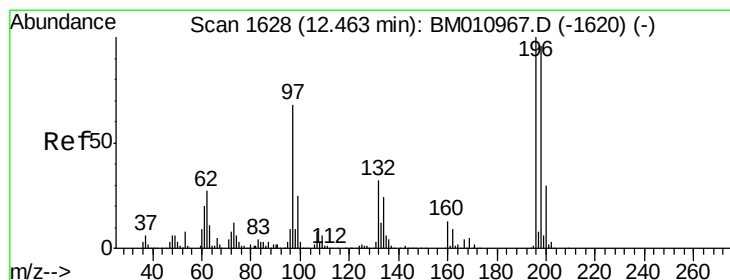
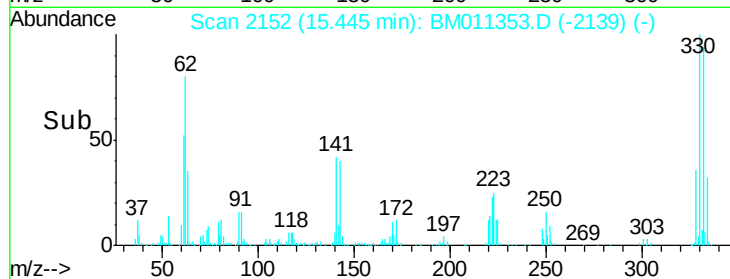
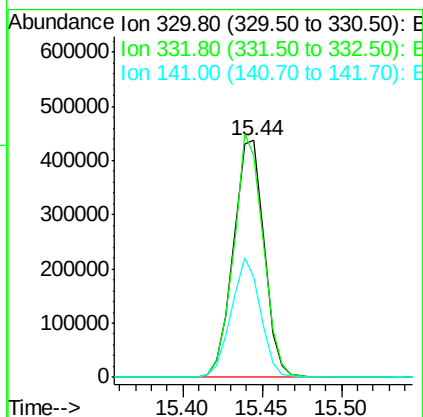
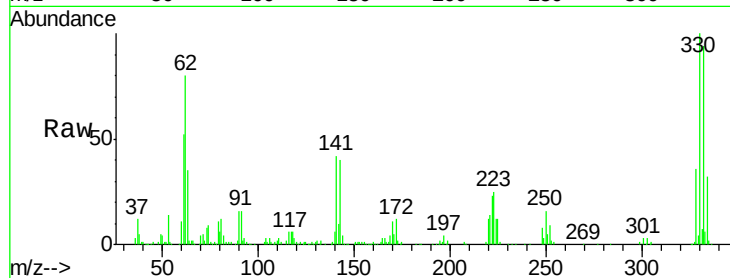




#41  
 2,4,6-Tribromophenol  
 Concen: 118.11 ng  
 RT: 15.44 min Scan# 2152  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

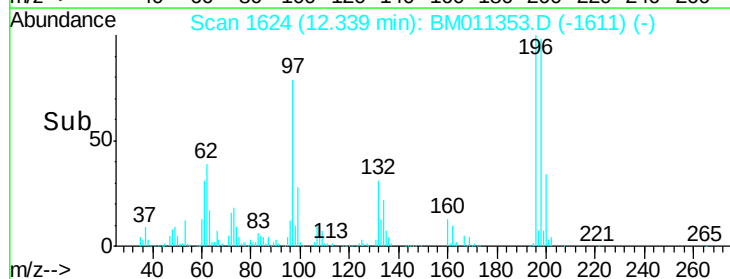
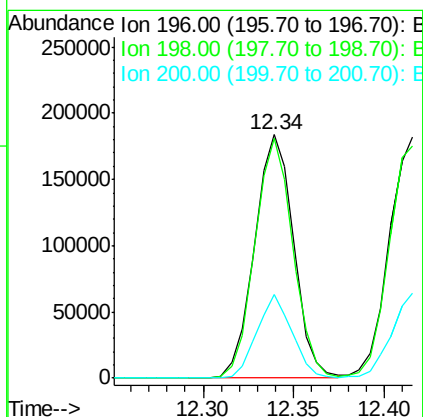
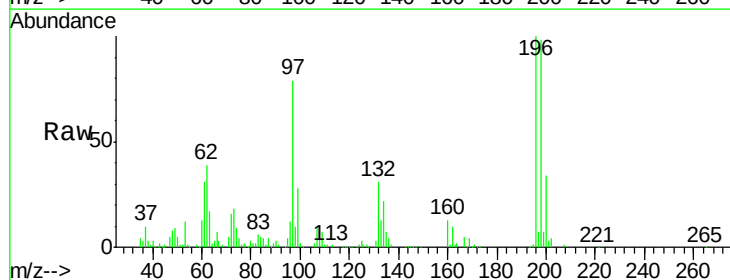
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

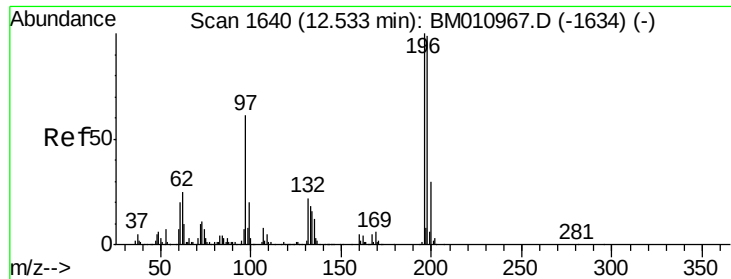
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.7  | 0.0   | 0.0#  |
| 141     | 47.9  | 0.0   | 0.0#  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 34.00 ng  
 RT: 12.34 min Scan# 1624  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.4  | 76.3  | 114.5 |
| 200     | 34.3  | 25.6  | 38.4  |

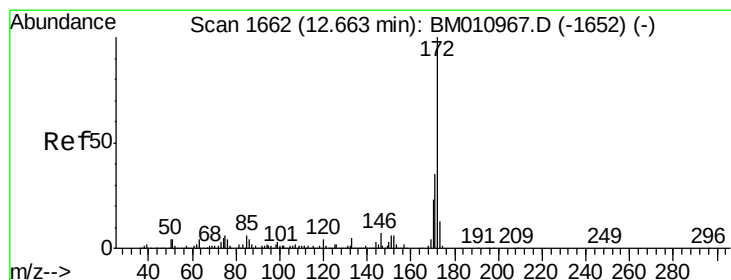
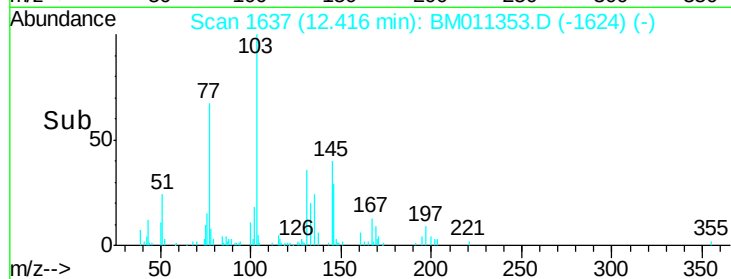
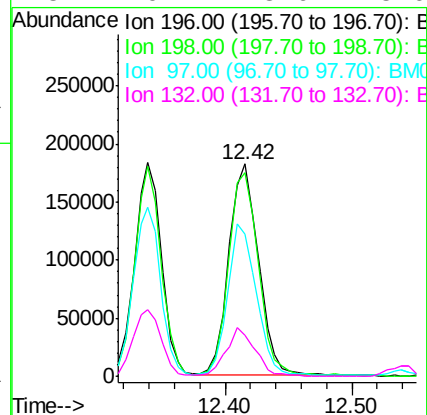
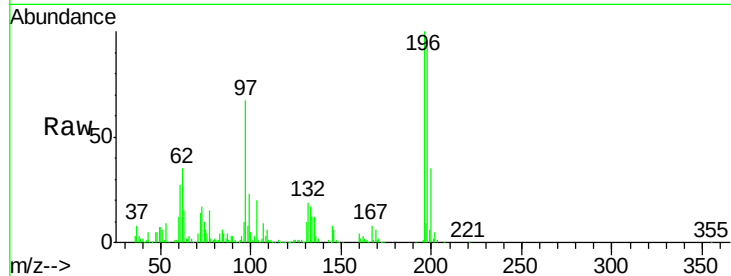




#43  
2,4,5-Trichlorophenol  
Concen: 35.47 ng  
RT: 12.42 min Scan# 1637  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

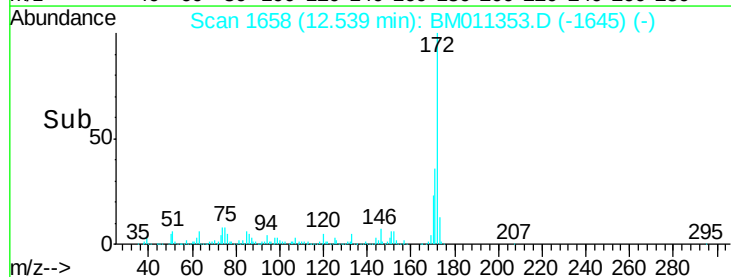
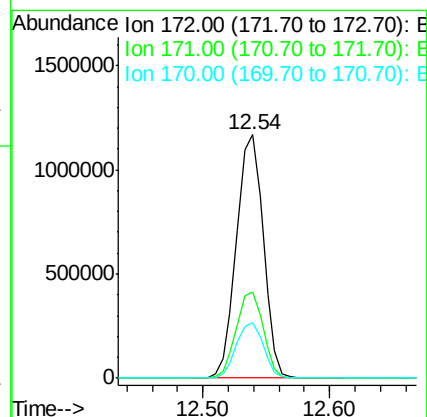
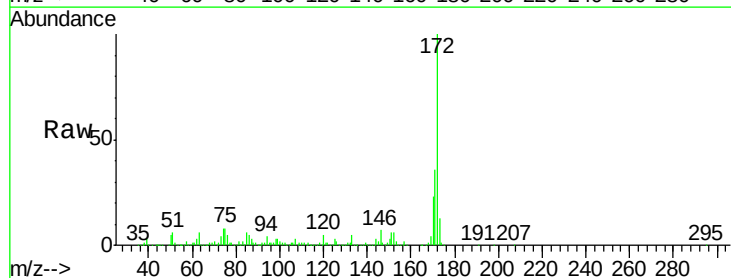
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

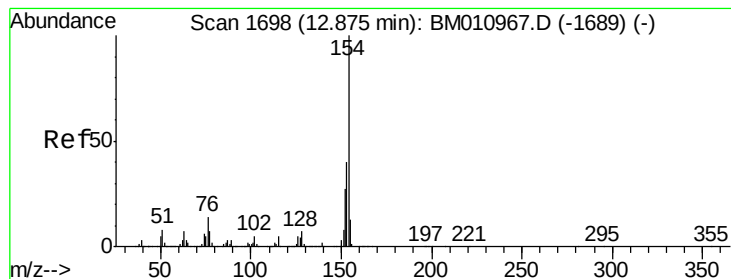
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.0  | 79.4  | 119.0 |
| 97      | 67.1  | 26.8  | 40.2  |
| 132     | 19.1  | 18.6  | 28.0  |



#44  
2-Fluorobiphenyl  
Concen: 68.96 ng  
RT: 12.54 min Scan# 1658  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.5  | 42.7  |
| 170     | 22.9  | 18.8  | 28.2  |





#45

1,1'-Biphenyl

Concen: 30.22 ng

RT: 12.75 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

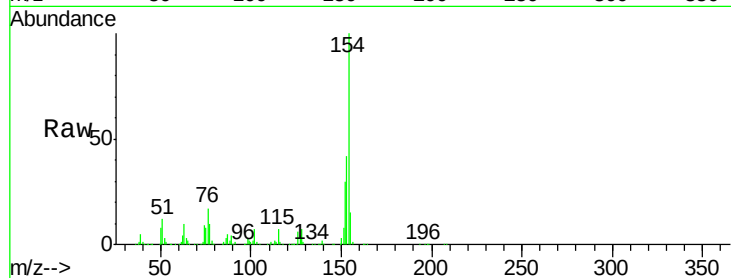
Tot Ion:154 Resp: 811527

Ion Ratio Lower Upper

154 100

153 42.3 20.7 60.7

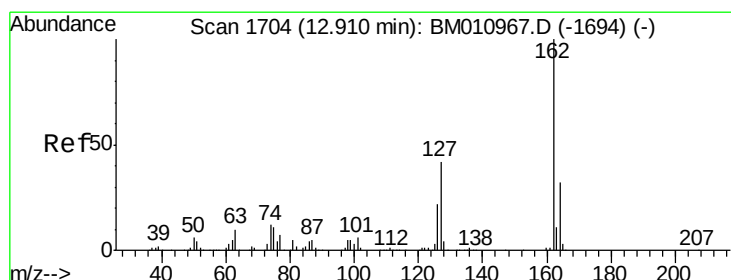
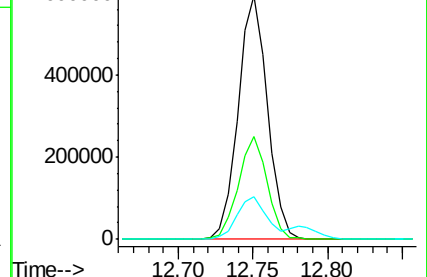
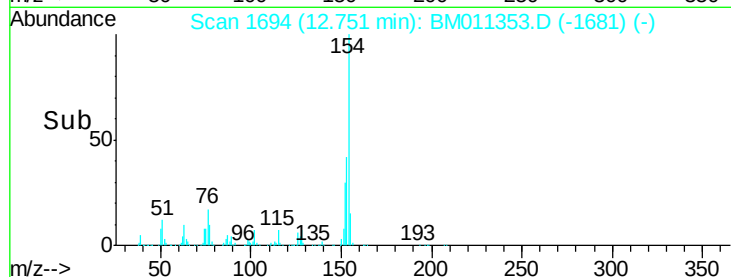
76 17.3 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#46

2-Chloronaphthalene

Concen: 32.79 ng

RT: 12.79 min Scan# 1700

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

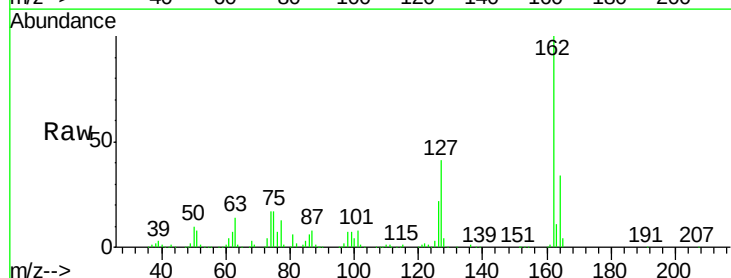
Tgt Ion:162 Resp: 648714

Ion Ratio Lower Upper

162 100

127 40.9 26.9 40.3#

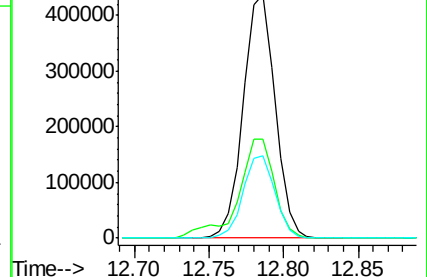
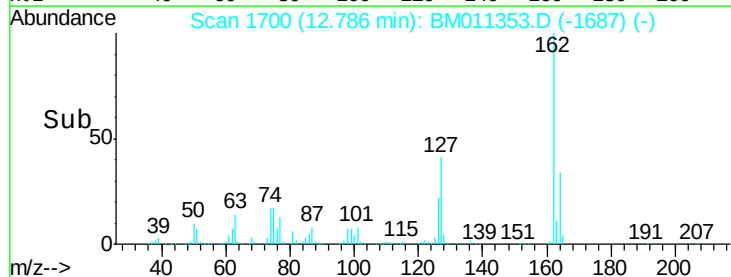
164 33.7 26.8 40.2

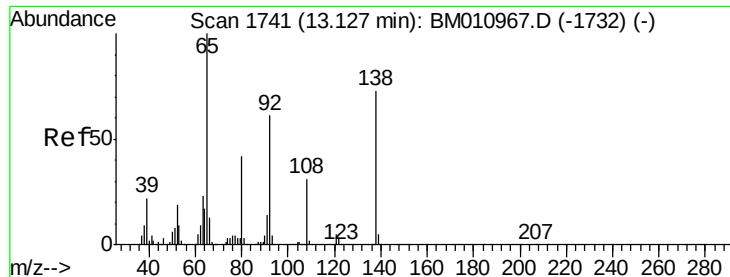


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 49.61 ng

RT: 13.01 min Scan# 1738

Delta R.T. -0.03 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

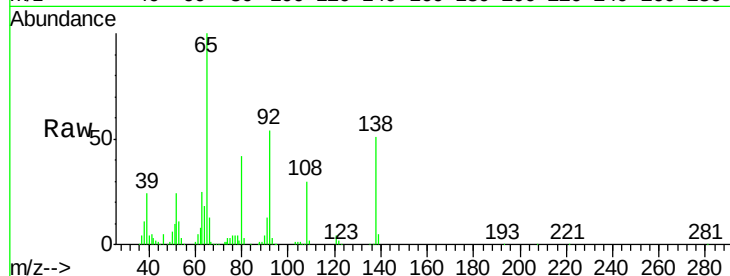
Tot Ion: 65 Resp: 347239

Ion Ratio Lower Upper

65 100

92 53.6 59.1 88.7#

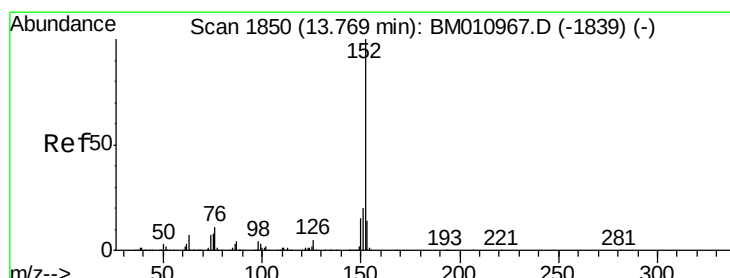
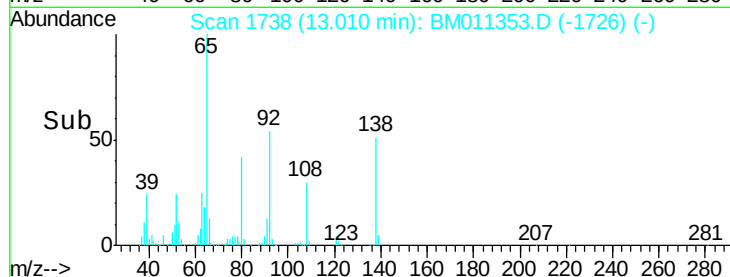
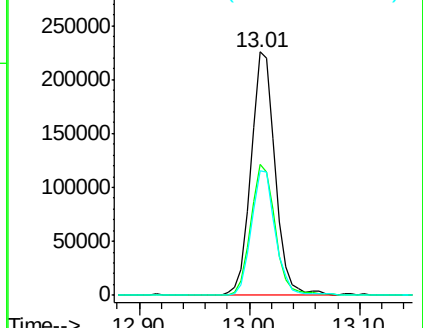
138 51.3 93.9 140.9#



Abundance Ion 65.00 (64.70 to 65.70): BM011353.D (-1732) (-)

Ion 92.00 (91.70 to 92.70): BM011353.D (-1732) (-)

Ion 138.00 (137.70 to 138.70): BM011353.D (-1732) (-)



#48

Acenaphthylene

Concen: 34.11 ng

RT: 13.64 min Scan# 1846

Delta R.T. -0.03 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

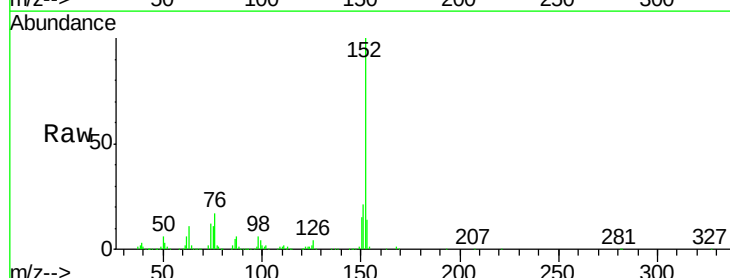
Tgt Ion: 152 Resp: 1007164

Ion Ratio Lower Upper

152 100

151 21.1 15.9 23.9

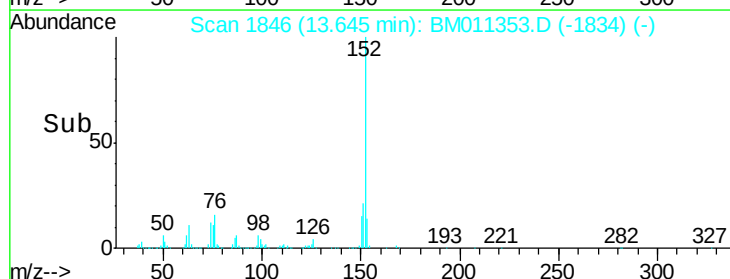
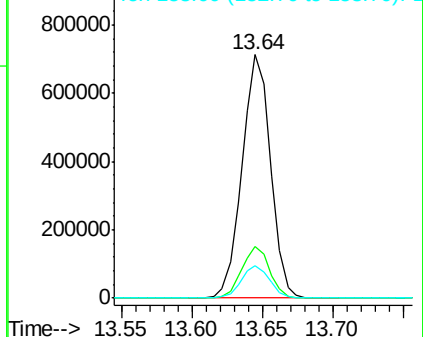
153 13.5 10.6 16.0

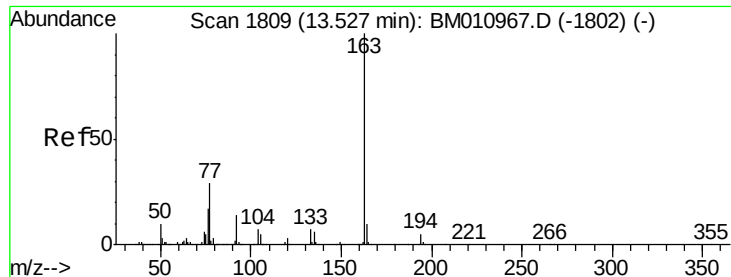


Abundance Ion 152.00 (151.70 to 152.70): BM011353.D (-1834) (-)

Ion 151.00 (150.70 to 151.70): BM011353.D (-1834) (-)

Ion 153.00 (152.70 to 153.70): BM011353.D (-1834) (-)





#49

Dimethylphthalate

Concen: 34.33 ng

RT: 13.42 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

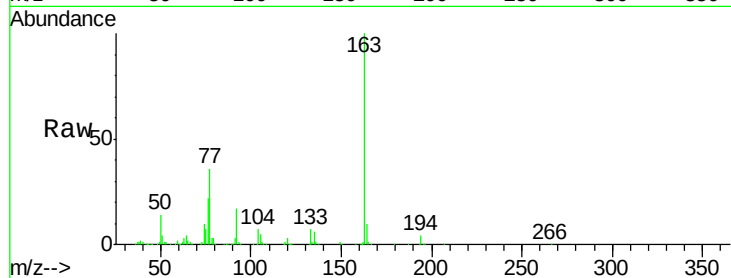
Tot Ion:163 Resp: 912104

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

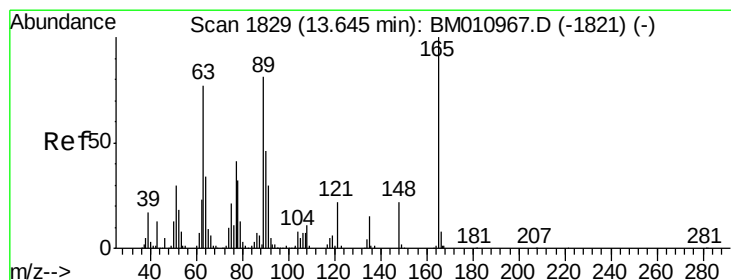
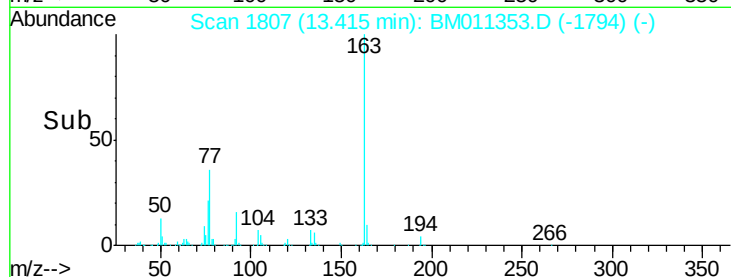
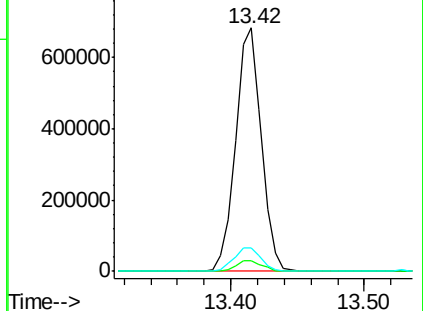
164 9.8 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 34.76 ng

RT: 13.53 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

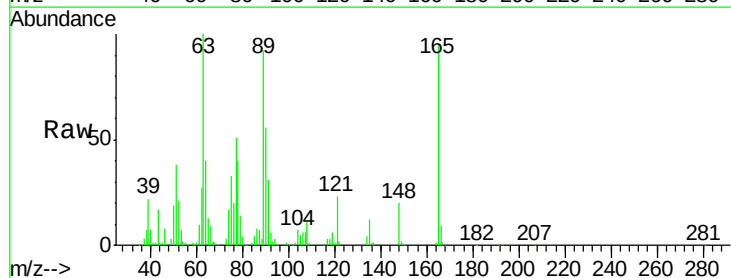
Tgt Ion:165 Resp: 186737

Ion Ratio Lower Upper

165 100

63 105.8 44.1 66.1#

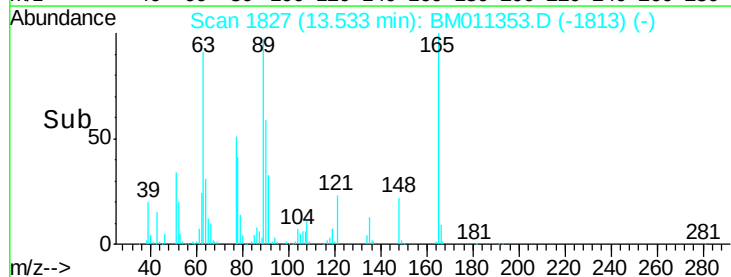
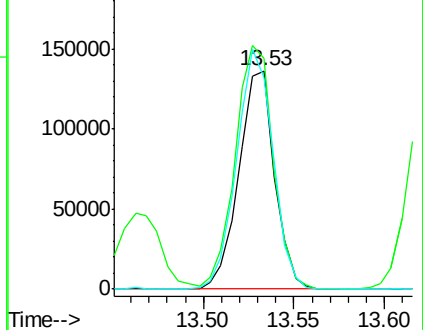
89 97.1 44.3 66.5#

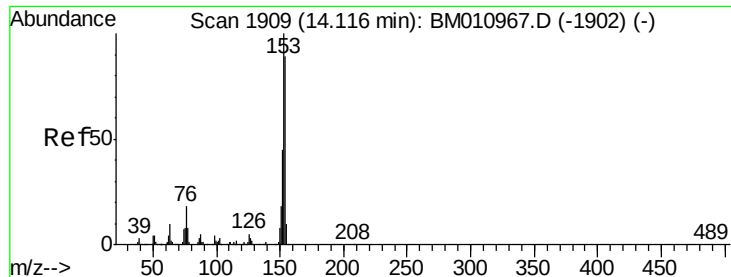


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 35.30 ng

RT: 14.00 min Scan# 1906

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

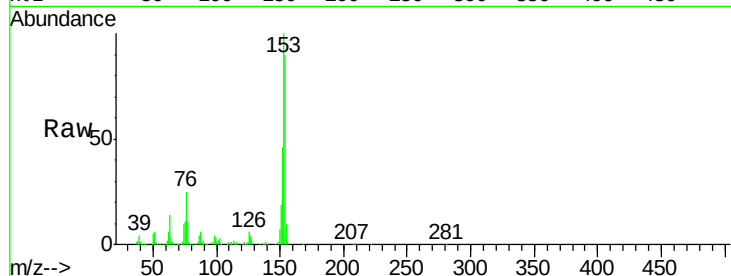
Tot Ion:154 Resp: 645355

Ion Ratio Lower Upper

154 100

153 111.2 90.0 135.0

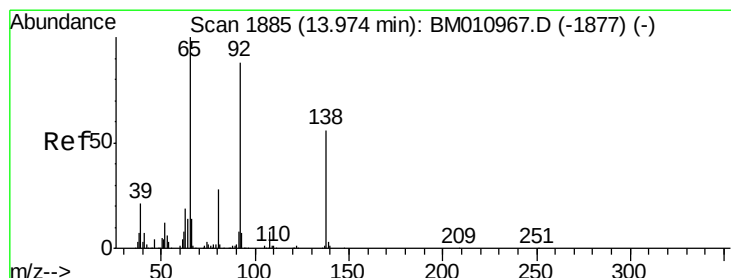
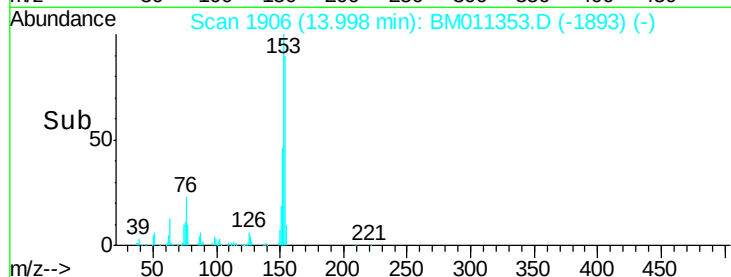
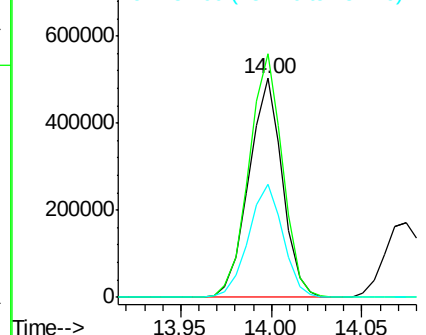
152 51.5 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 33.53 ng

RT: 13.86 min Scan# 1882

Delta R.T. -0.03 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

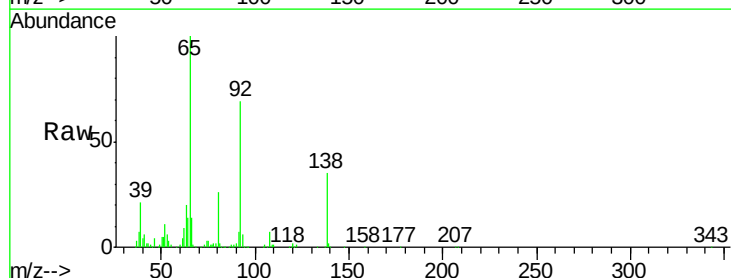
Tgt Ion:138 Resp: 156296

Ion Ratio Lower Upper

138 100

108 19.0 7.3 10.9#

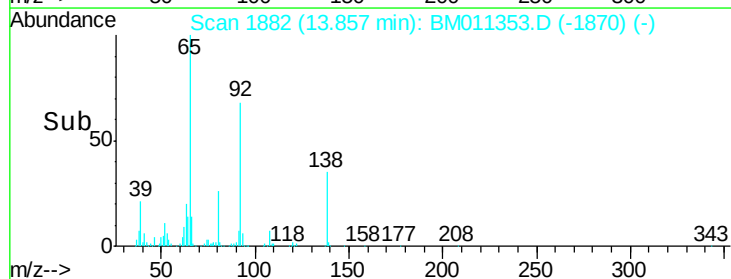
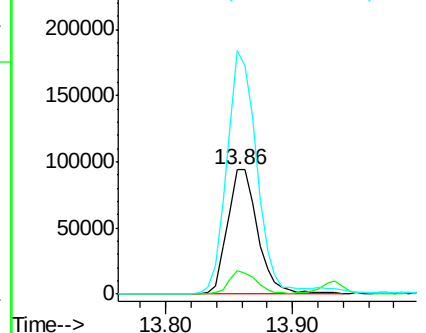
92 195.8 76.6 114.8#

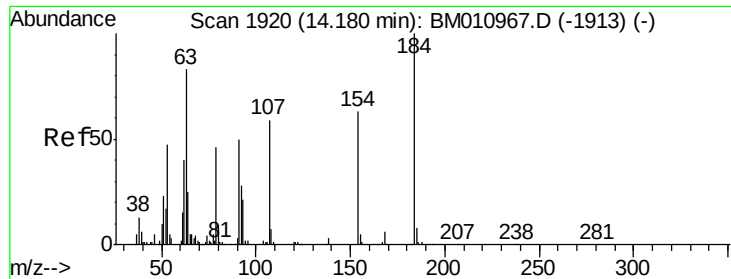


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

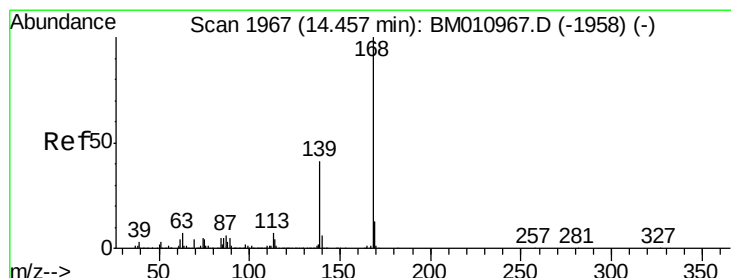
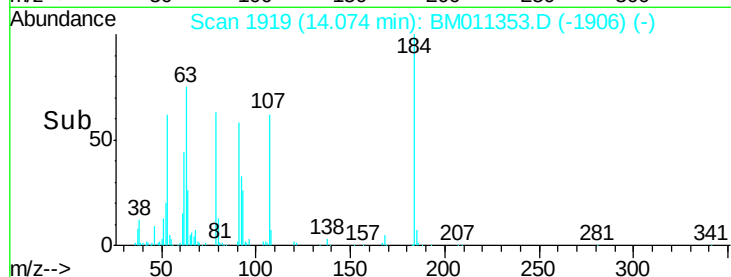
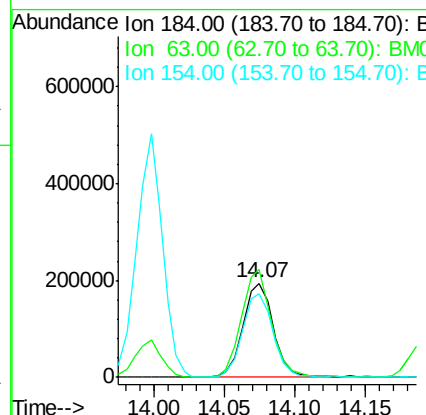
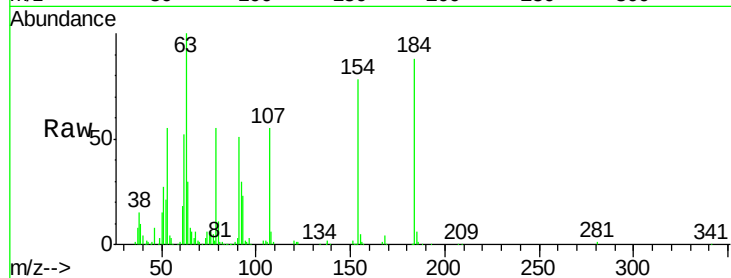




#53  
2,4-Dinitrophenol  
Concen: 76.61 ng  
RT: 14.07 min Scan# 1919  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

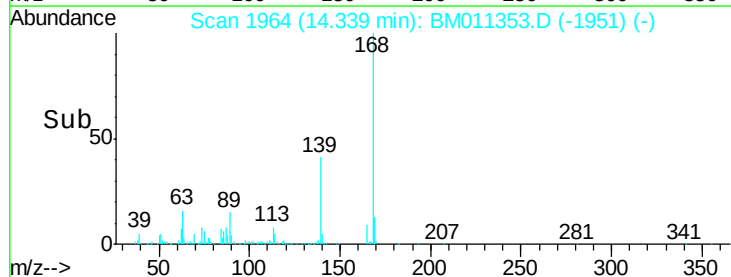
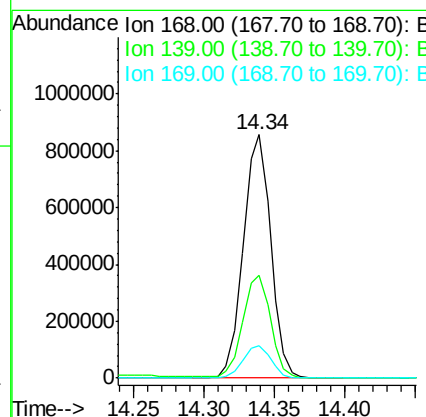
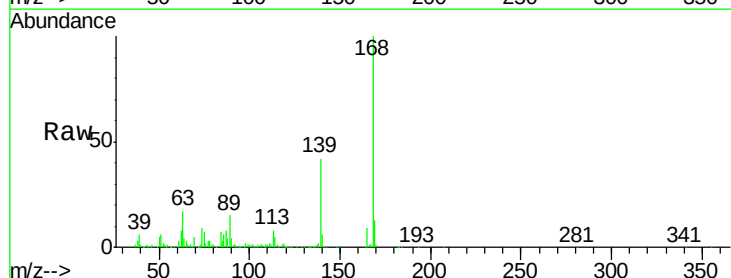
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

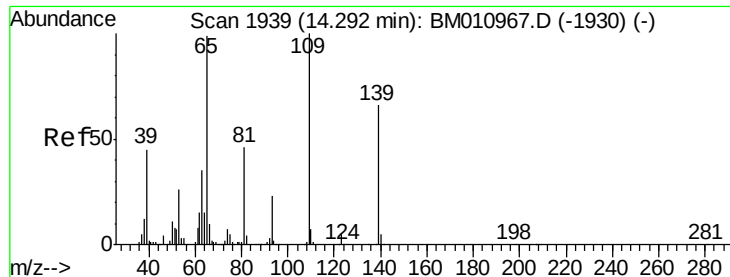
Tot Ion:184 Resp: 292492  
Ion Ratio Lower Upper  
184 100  
63 113.9 69.2 103.8#  
154 88.3 53.3 79.9#



#54  
Dibenzofuran  
Concen: 39.29 ng  
RT: 14.34 min Scan# 1964  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:168 Resp: 1163844  
Ion Ratio Lower Upper  
168 100  
139 42.2 27.3 40.9#  
169 13.3 10.6 16.0

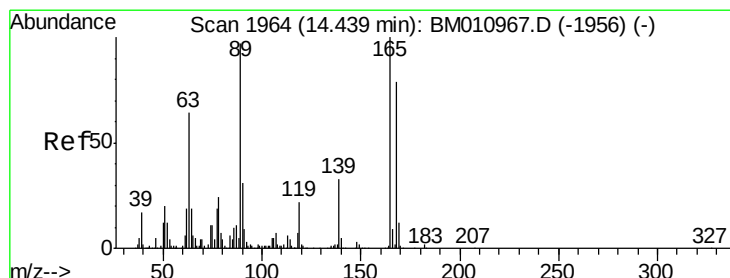
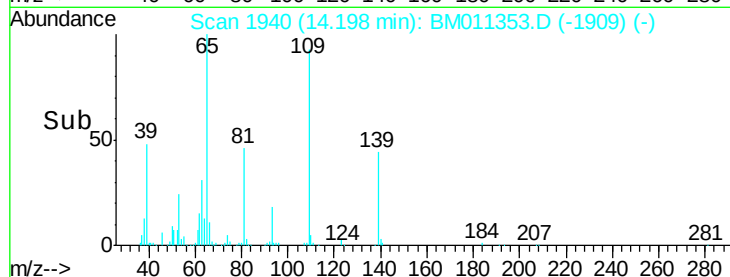
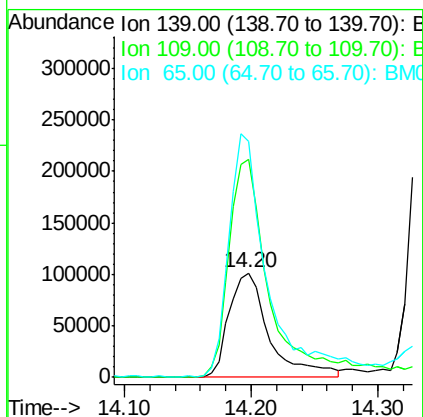
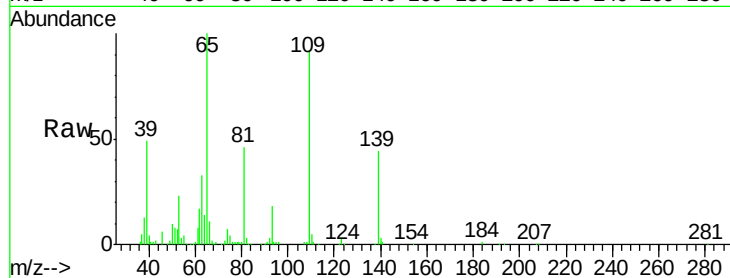




#55  
4-Nitrophenol  
Concen: 54.57 ng  
RT: 14.20 min Scan# 1940  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

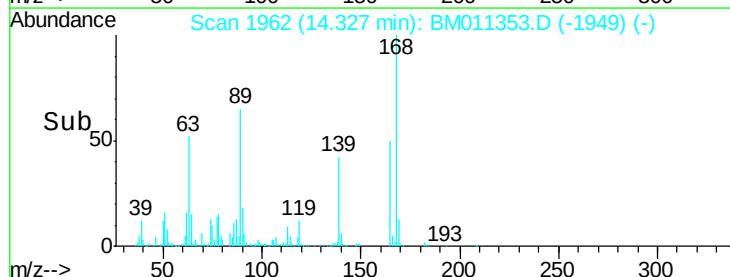
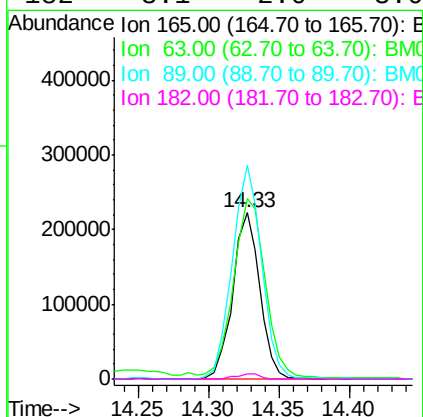
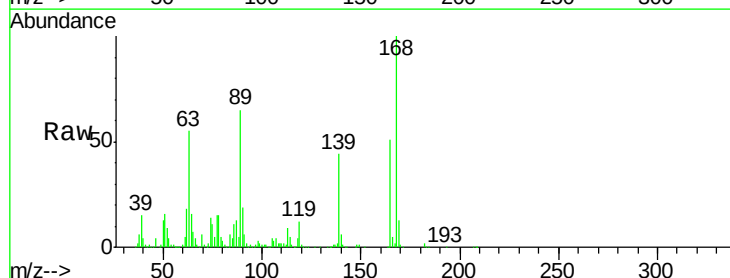
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

Tot Ion:139 Resp: 223506  
Ion Ratio Lower Upper  
139 100  
109 208.4 130.0 170.0#  
65 226.1 130.0 170.0#

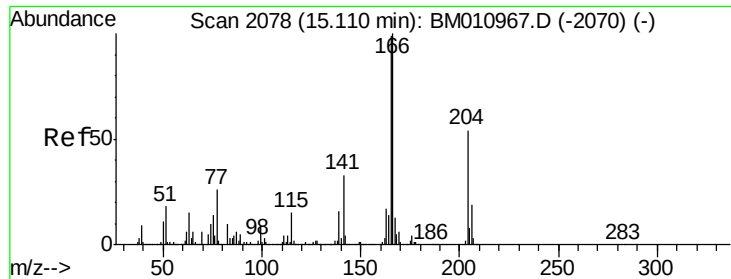


#56  
2,4-Dinitrotoluene  
Concen: 39.33 ng  
RT: 14.33 min Scan# 1962  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:165 Resp: 296608  
Ion Ratio Lower Upper  
165 100  
63 108.5 52.4 78.6#  
89 128.7 72.4 108.6#  
182 3.1 2.0 3.0#



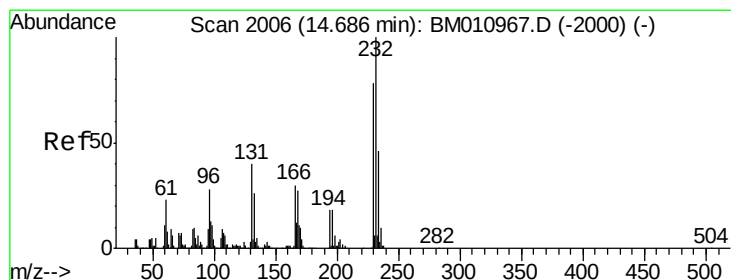
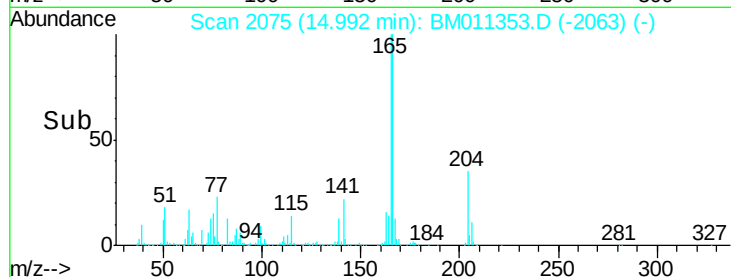
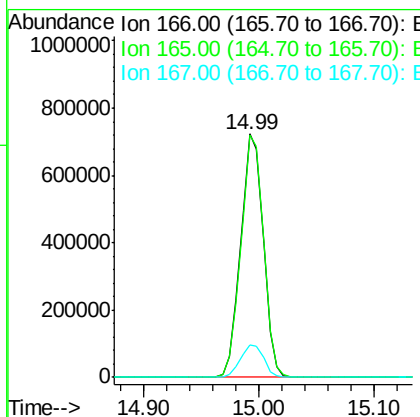
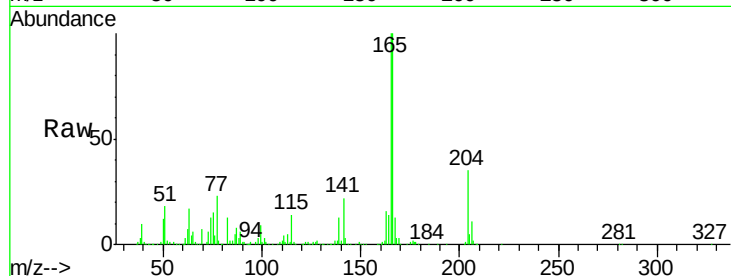




#57  
 Fluorene  
 Concen: 38.08 ng  
 RT: 14.99 min Scan# 2075  
 Delta R.T. -0.03 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

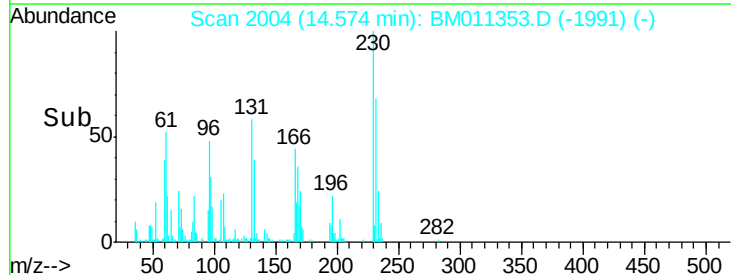
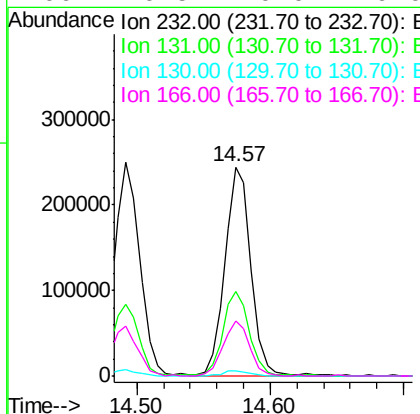
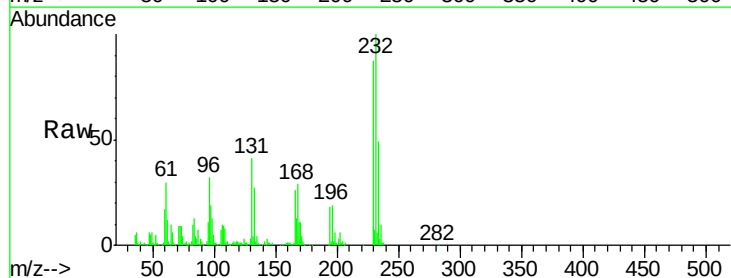
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

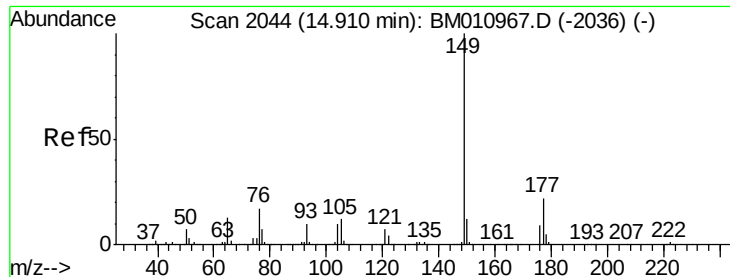
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.5  | 79.0  | 118.4 |
| 167     | 13.4  | 10.3  | 15.5  |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.50 ng  
 RT: 14.57 min Scan# 2004  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 40.7  | 0.0   | 0.0#  |
| 130     | 2.7   | 0.0   | 0.0#  |
| 166     | 26.5  | 0.0   | 0.0#  |

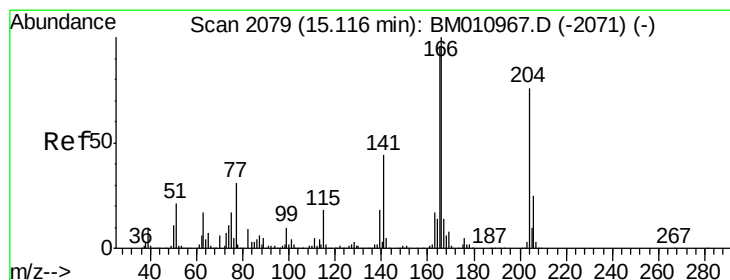
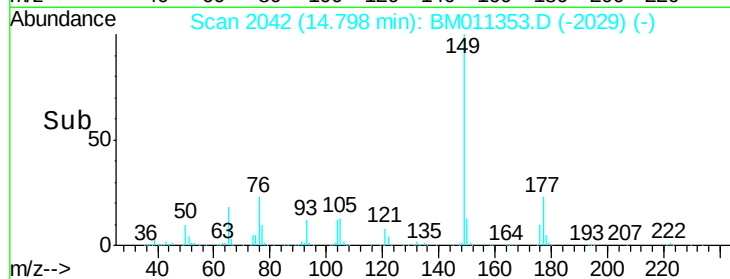
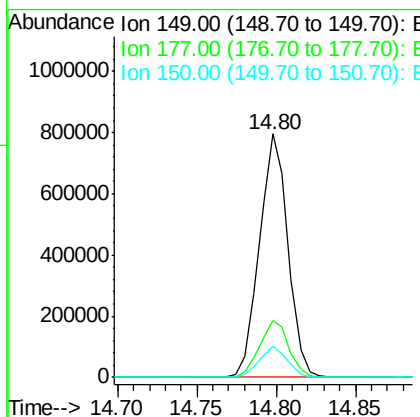
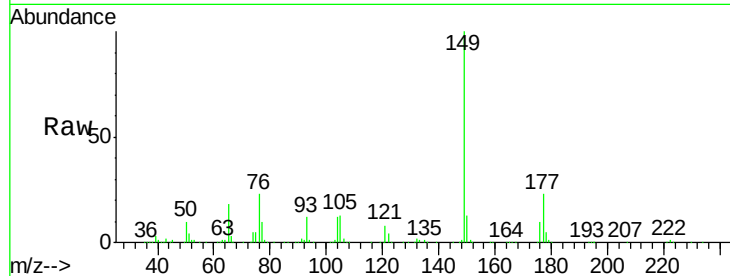




#59  
Diethylphthalate  
Concen: 36.69 ng  
RT: 14.80 min Scan# 2042  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

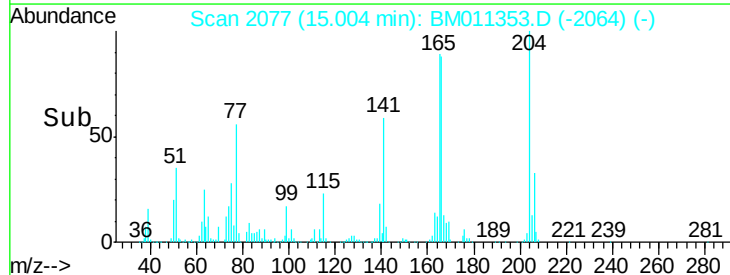
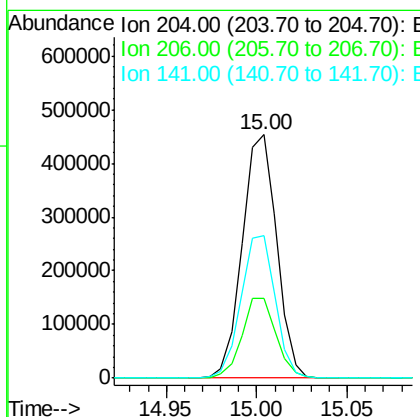
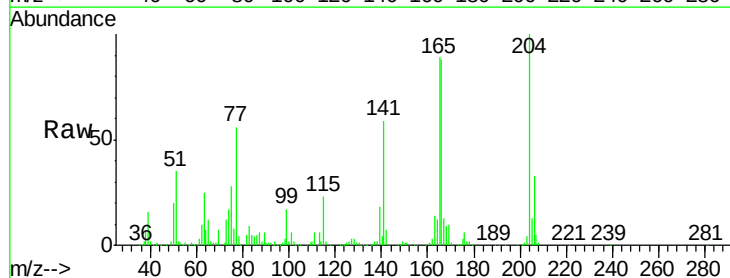
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

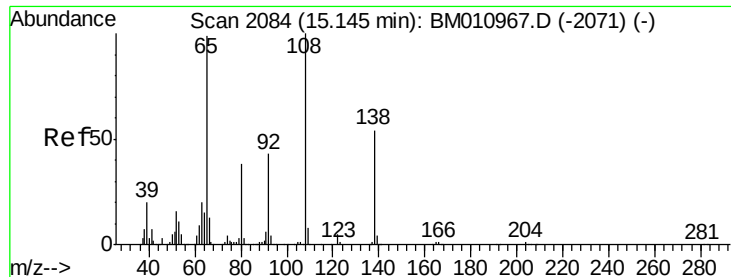
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.2  | 18.3  | 27.5  |
| 150     | 12.6  | 9.8   | 14.8  |



#60  
4-Chlorophenyl-phenylether  
Concen: 38.43 ng  
RT: 15.00 min Scan# 2077  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.9  | 26.6  | 39.8  |
| 141     | 58.6  | 45.2  | 67.8  |

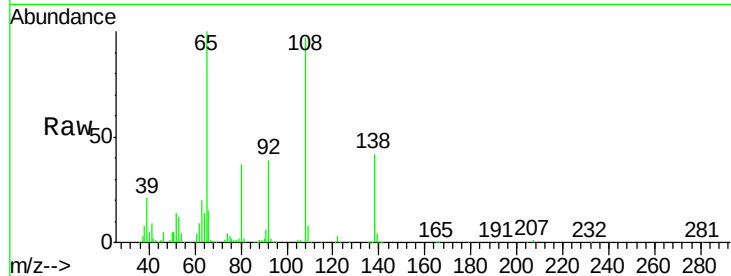




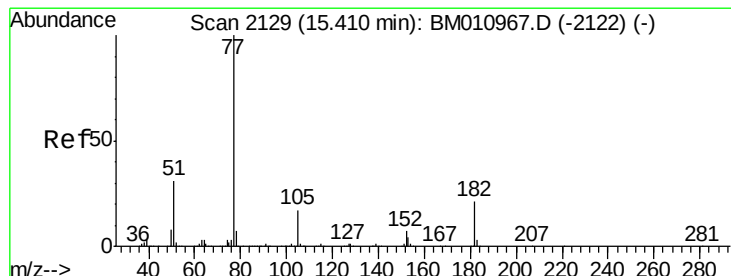
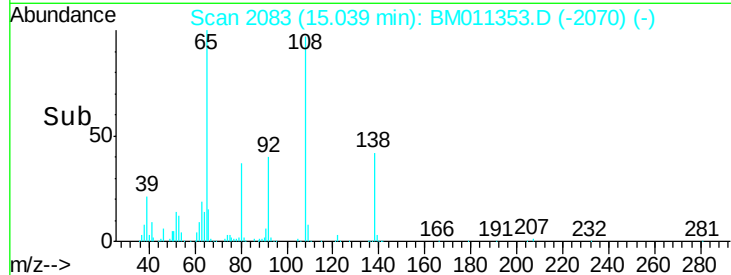
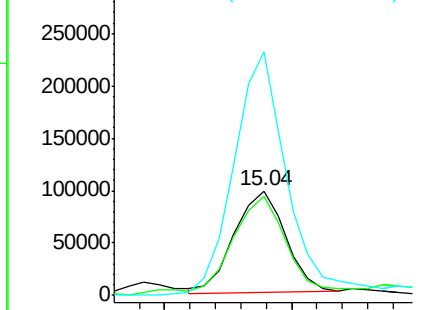
#61  
4-Nitroaniline  
Concen: 27.69 ng  
RT: 15.04 min Scan# 2083  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

Tot Ion:138 Resp: 137093  
Ion Ratio Lower Upper  
138 100  
92 94.8 16.7 56.7#  
108 233.2 37.6 77.6#

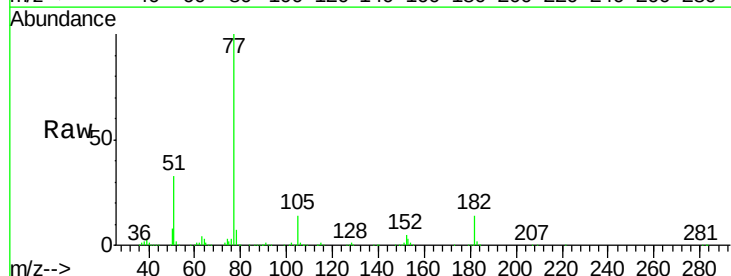


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BM  
Ion 108.00 (107.70 to 108.70): E

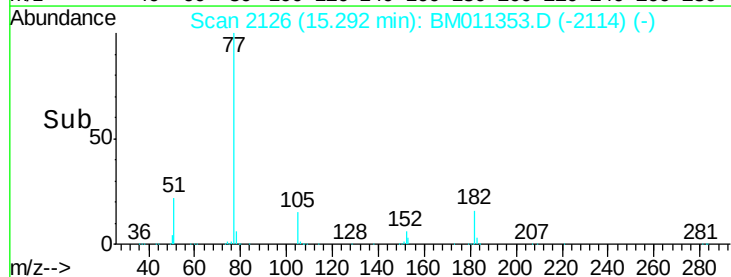
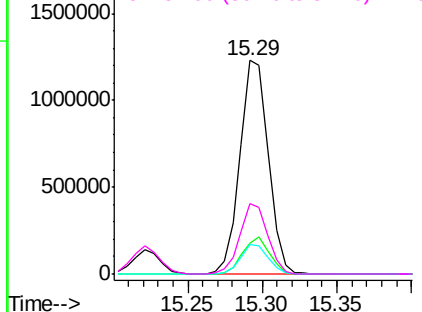


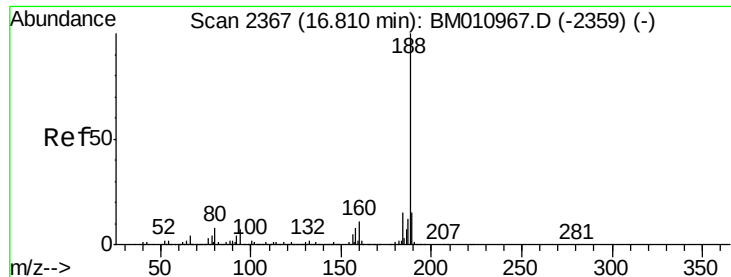
#62  
Azobenzene  
Concen: 55.77 ng  
RT: 15.29 min Scan# 2126  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion: 77 Resp: 1619321  
Ion Ratio Lower Upper  
77 100  
182 14.3 6.5 46.5  
105 13.5 3.8 43.8  
51 32.7 5.5 45.5



Abundance Ion 77.00 (76.70 to 77.70): BM  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BM

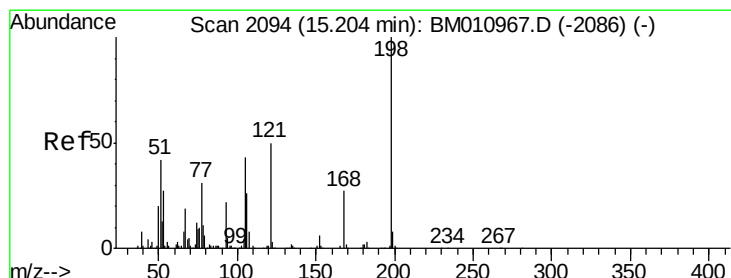
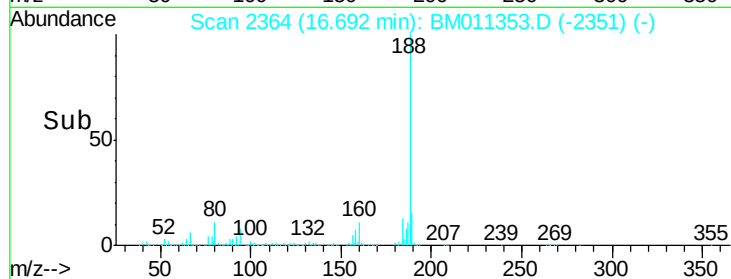
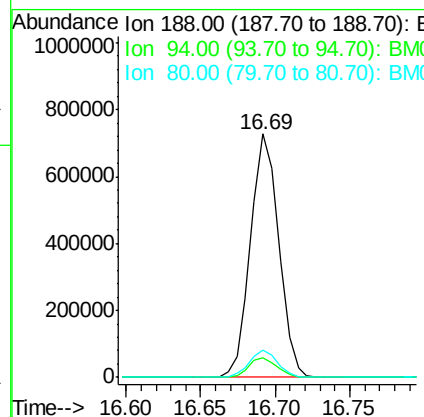
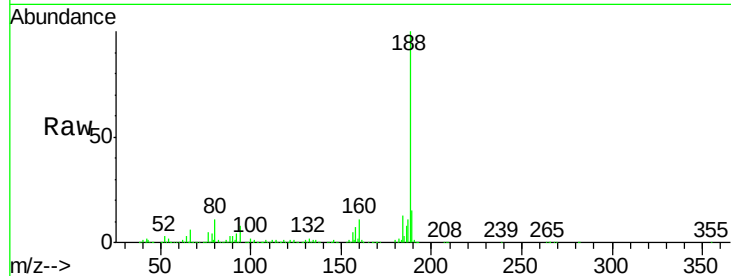




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 16.69 min Scan# 2364  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

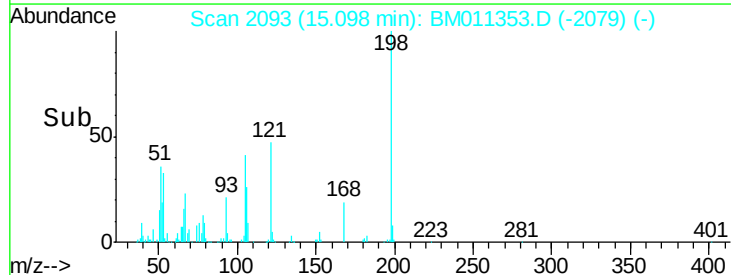
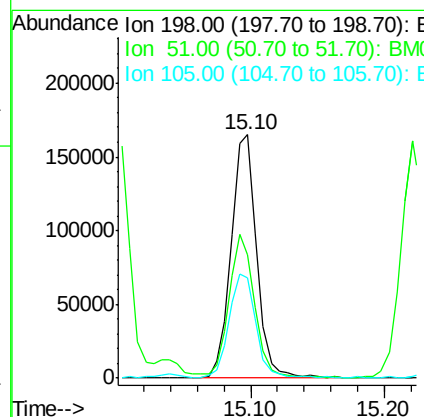
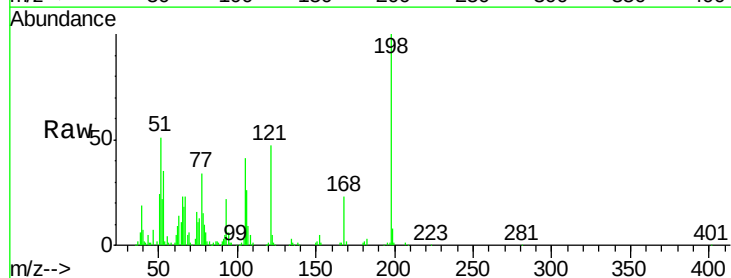
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

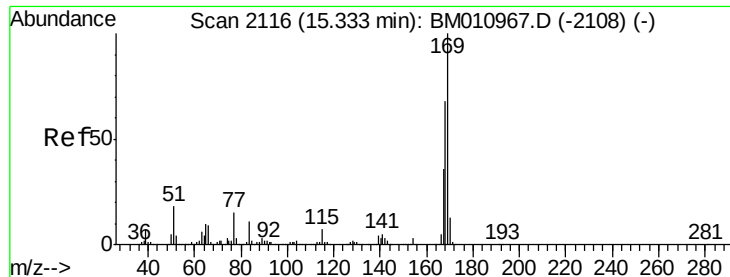
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.8   | 8.7   | 13.1# |
| 80      | 11.2  | 9.3   | 13.9  |



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 34.59 ng  
 RT: 15.10 min Scan# 2093  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 50.7  | 28.8  | 68.8  |
| 105     | 41.4  | 30.5  | 70.5  |

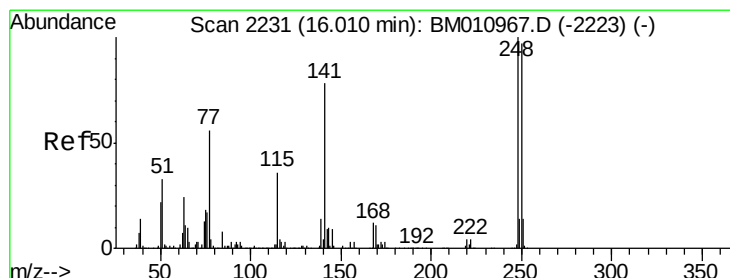
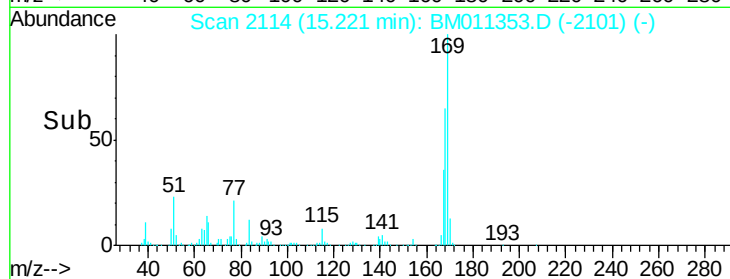
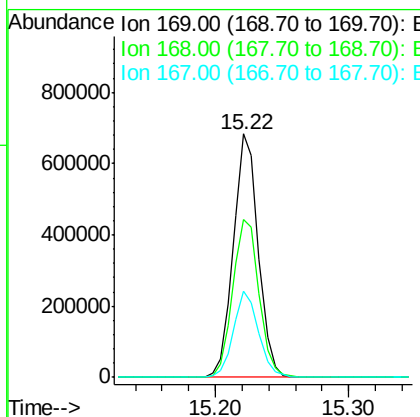
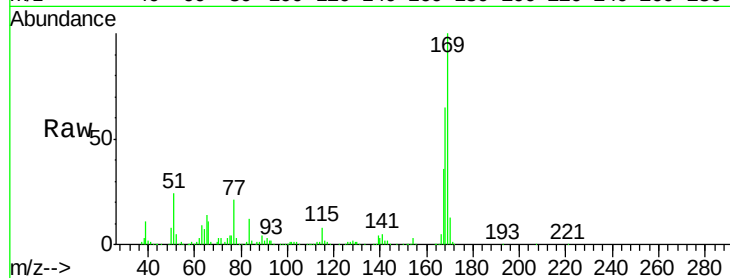




#65  
n-Nitrosodiphenylamine  
Concen: 32.54 ng  
RT: 15.22 min Scan# 2114  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

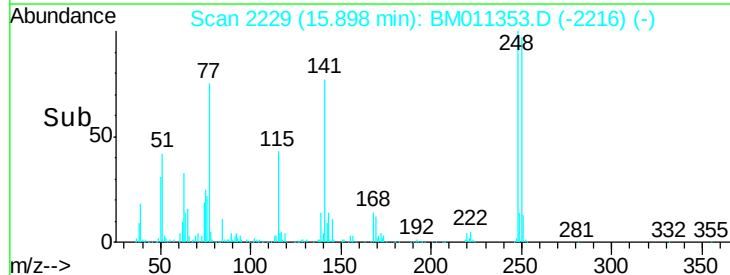
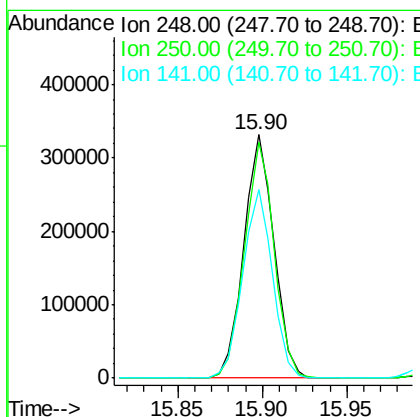
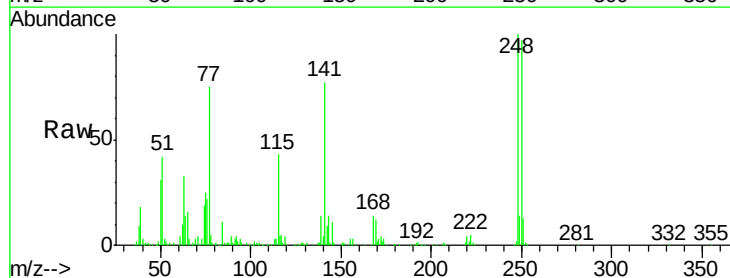
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

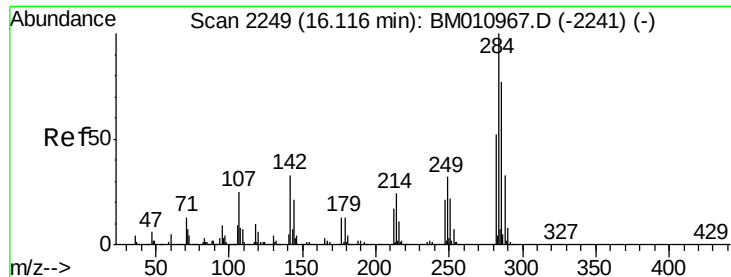
Tot Ion:169 Resp: 888273  
Ion Ratio Lower Upper  
169 100  
168 65.1 53.9 80.9  
167 35.6 28.9 43.3



#66  
4-Bromophenyl-phenylether  
Concen: 33.56 ng  
RT: 15.90 min Scan# 2229  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:248 Resp: 411569  
Ion Ratio Lower Upper  
248 100  
250 96.8 77.4 116.0  
141 77.2 45.2 67.8#





#67

Hexachlorobenzene

Concen: 31.10 ng

RT: 16.00 min Scan# 2246

Delta R.T. -0.03 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

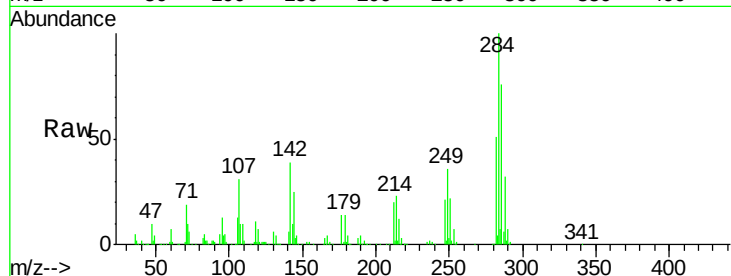
Tot Ion:284 Resp: 430939

Ion Ratio Lower Upper

284 100

142 39.1 20.4 30.6#

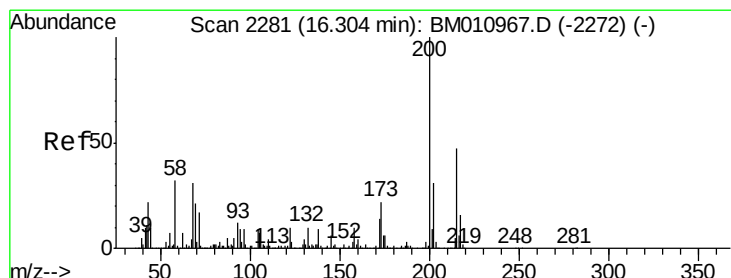
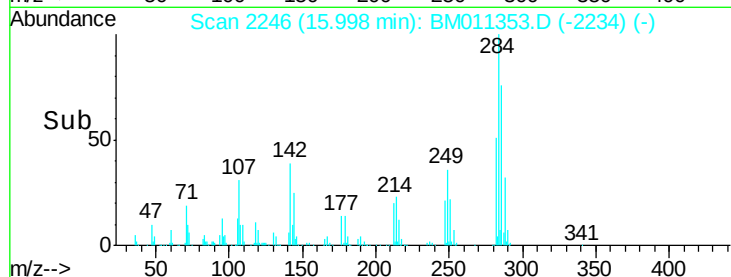
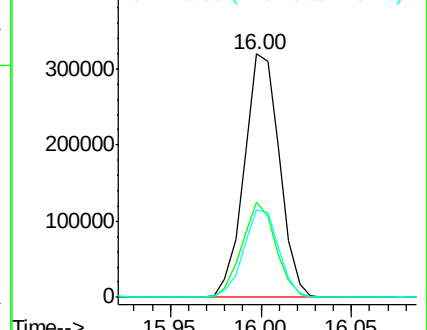
249 35.7 23.8 35.6#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 36.44 ng

RT: 16.20 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

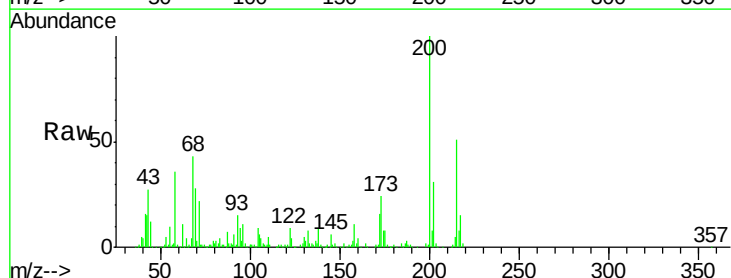
Tgt Ion:200 Resp: 398730

Ion Ratio Lower Upper

200 100

173 23.6 4.8 44.8

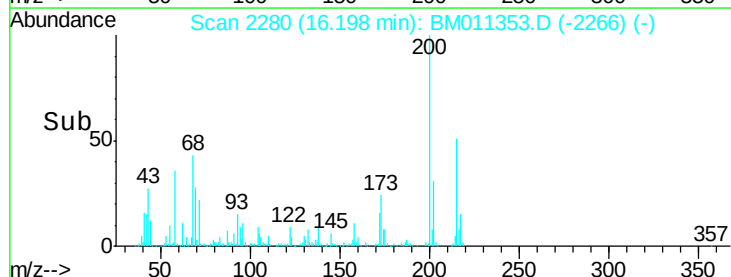
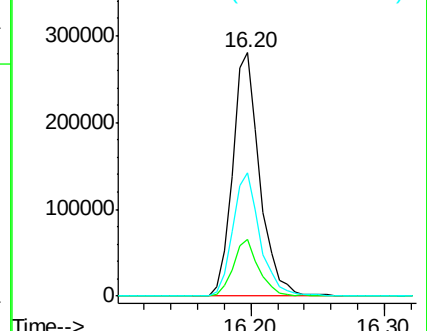
215 50.7 26.9 66.9

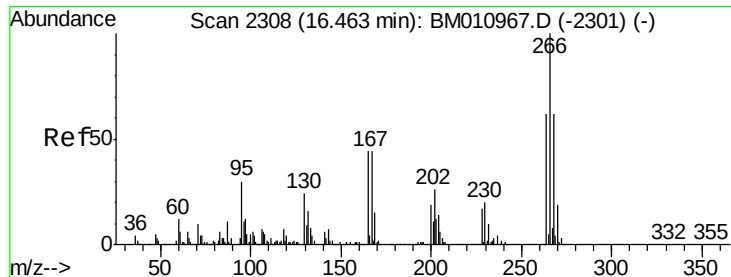


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 65.31 ng

RT: 16.35 min Scan# 2306

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

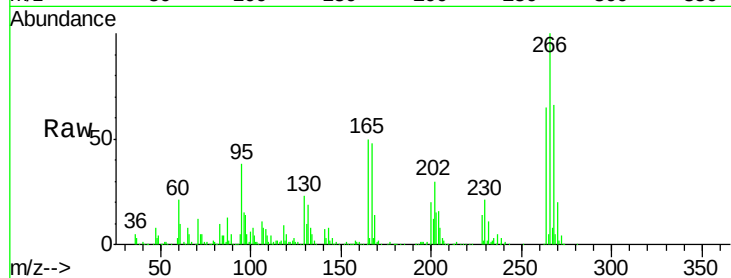
Tot Ion:266 Resp: 574610

Ion Ratio Lower Upper

266 100

268 66.2 52.0 78.0

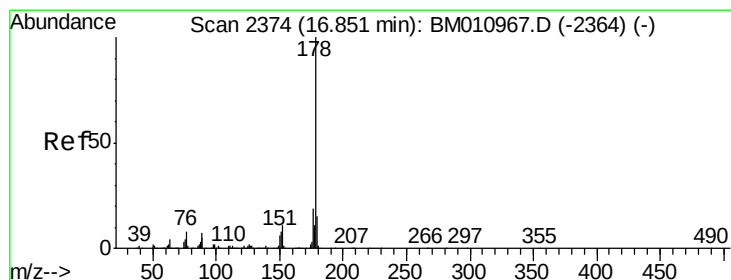
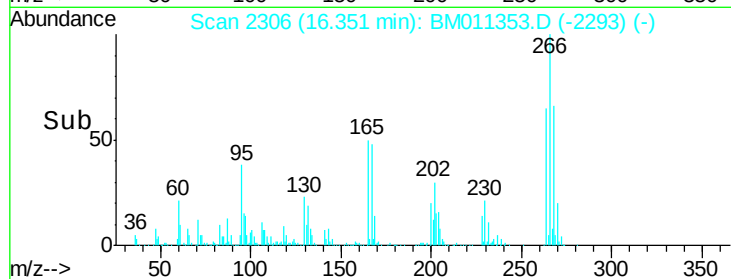
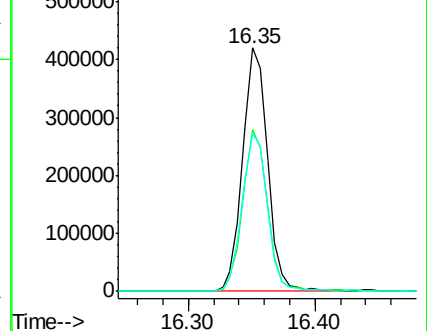
264 64.9 49.0 73.4



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



#70

Phenanthrene

Concen: 37.17 ng

RT: 16.73 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

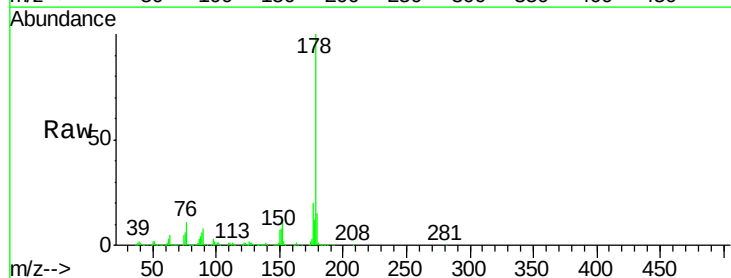
Tgt Ion:178 Resp: 1856791

Ion Ratio Lower Upper

178 100

176 19.6 15.2 22.8

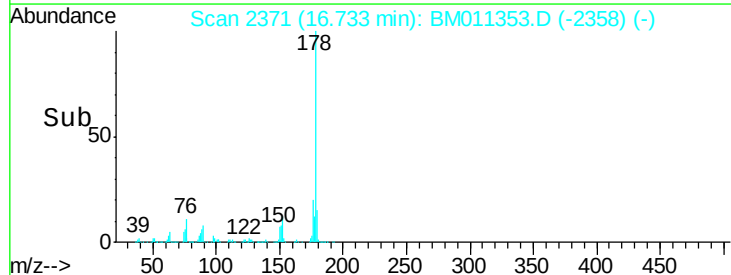
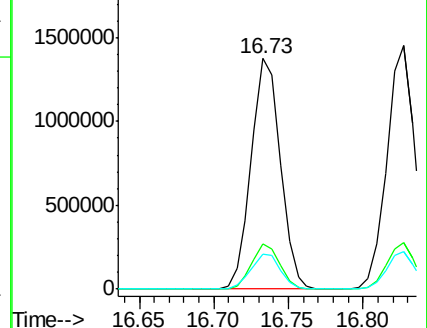
179 15.2 12.1 18.1

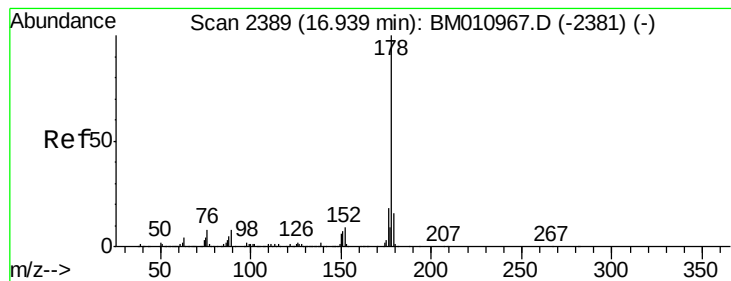


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 37.92 ng

RT: 16.83 min Scan# 2387

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

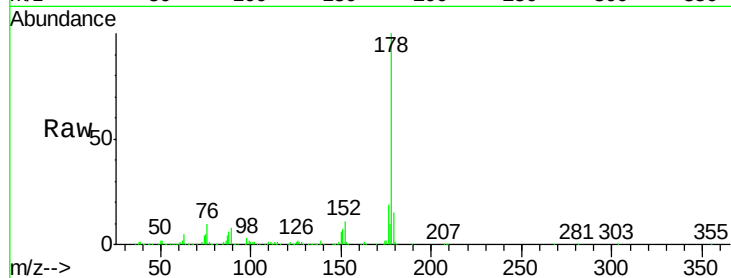
Tot Ion:178 Resp: 1889064

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.8  | 14.6  | 22.0  |
| 179 | 15.2  | 12.6  | 19.0  |

178 100

176 18.8 14.6 22.0

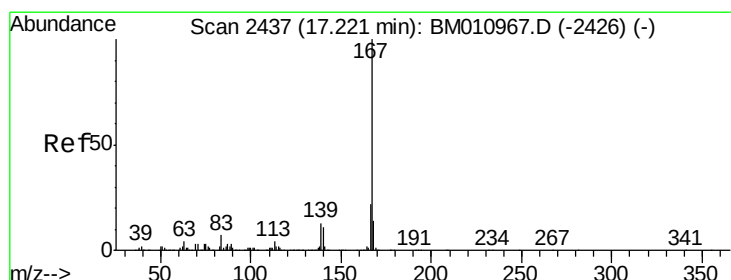
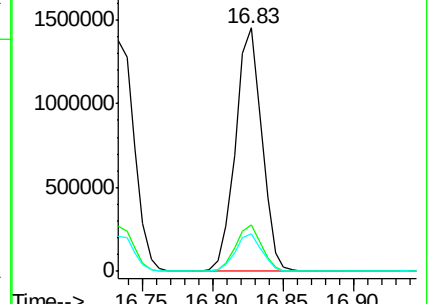
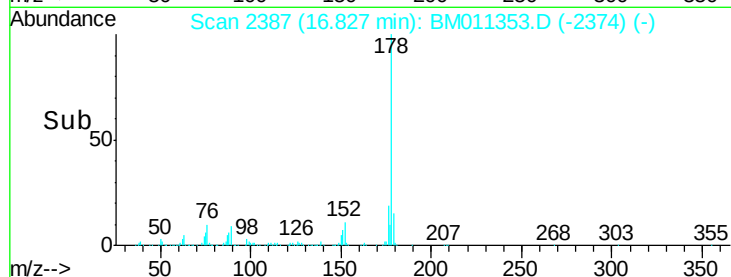
179 15.2 12.6 19.0



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

Carbazole

Concen: 37.21 ng

RT: 17.11 min Scan# 2435

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

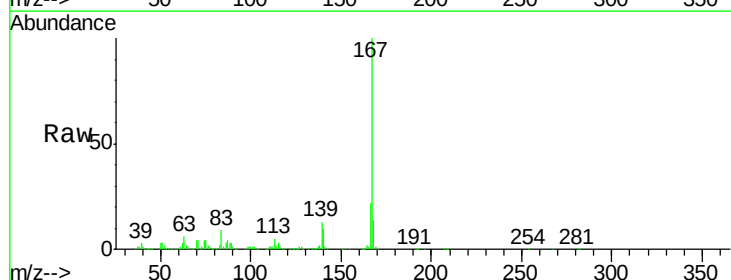
Tgt Ion:167 Resp: 1620953

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.9  | 17.2  | 25.8  |
| 139 | 13.3  | 10.8  | 16.2  |

167 100

166 21.9 17.2 25.8

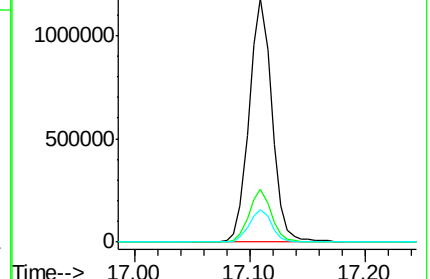
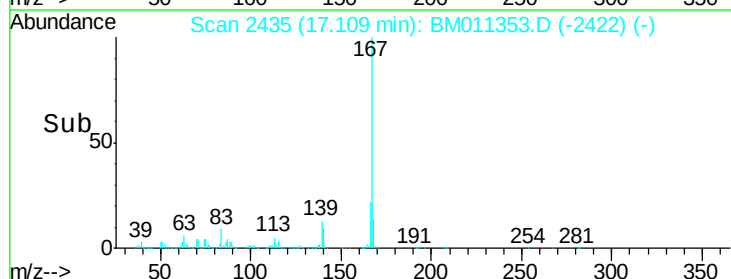
139 13.3 10.8 16.2



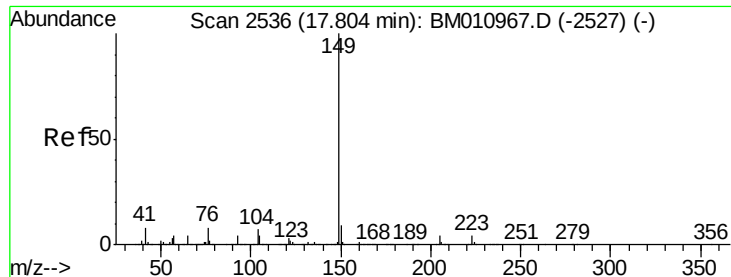
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



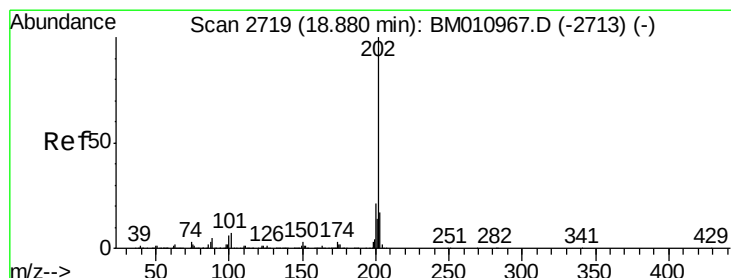
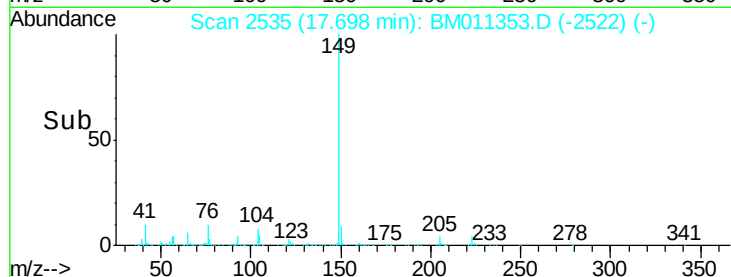
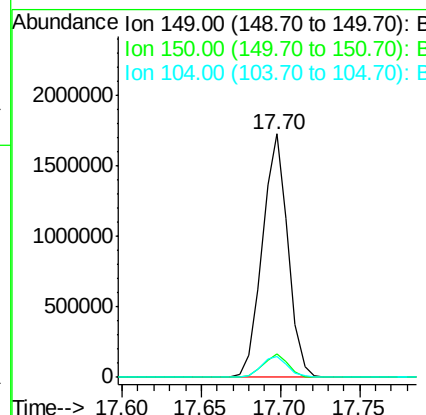
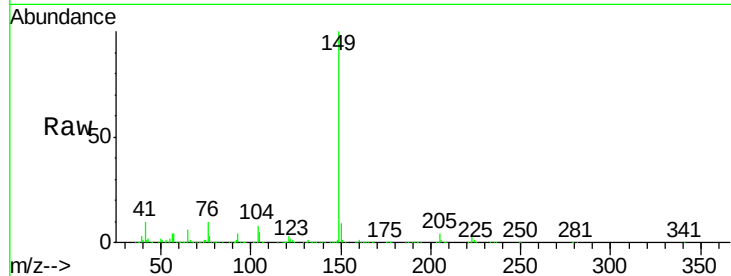




#73  
Di-n-butylphthalate  
Concen: 36.45 ng  
RT: 17.70 min Scan# 2535  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

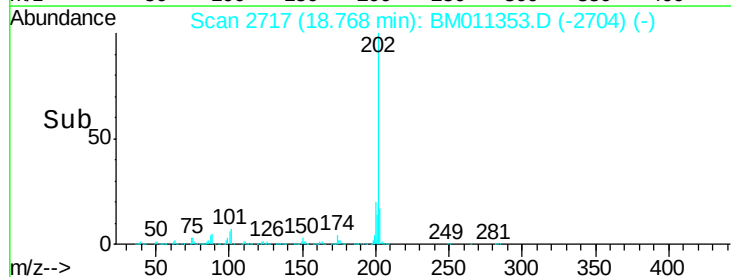
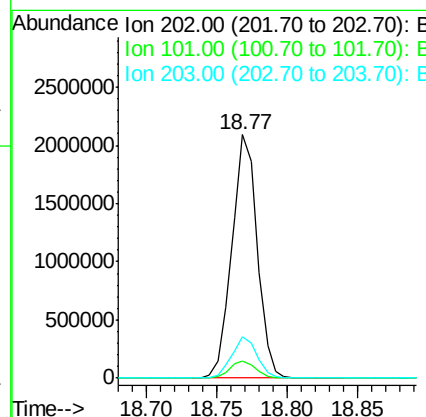
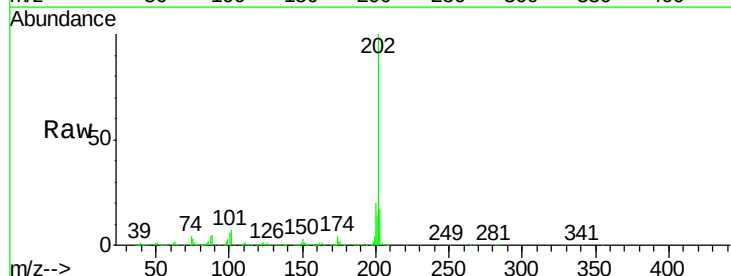
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

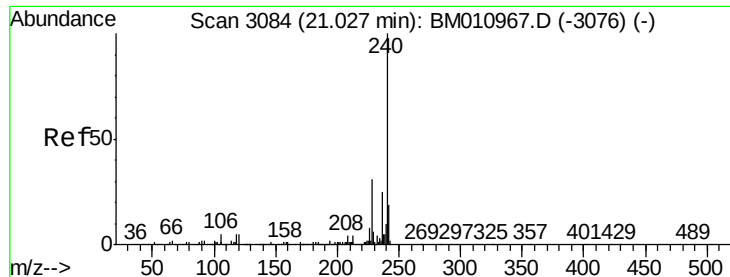
Tot Ion:149 Resp: 1933607  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 8.4 3.7 5.5#



#74  
Fluoranthene  
Concen: 42.25 ng  
RT: 18.77 min Scan# 2717  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:202 Resp: 2615166  
Ion Ratio Lower Upper  
202 100  
101 7.1 0.0 28.7  
203 17.2 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 20.92 min Scan# 3083

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

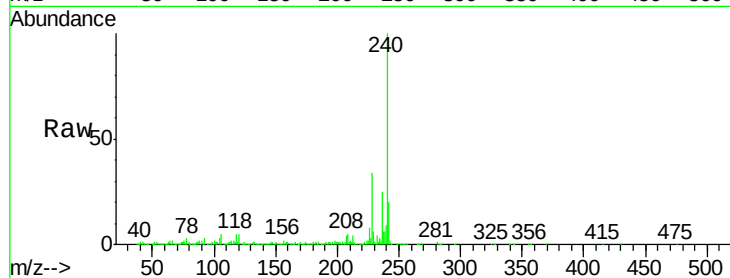
Tot Ion:240 Resp: 1323238

Ion Ratio Lower Upper

240 100

120 5.1 8.2 12.2#

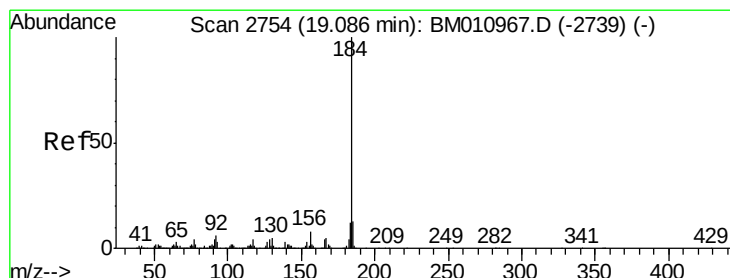
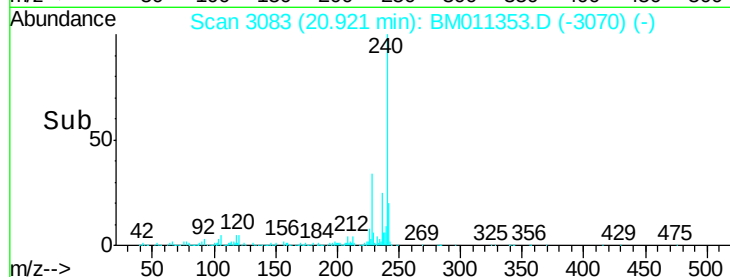
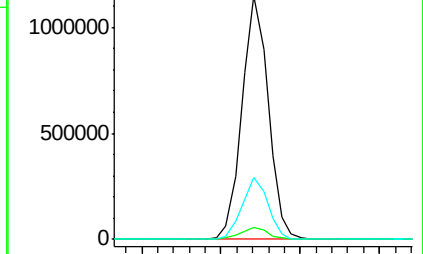
236 25.2 20.0 30.0



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



#76

Benzidine

Concen: 31.55 ng

RT: 18.99 min Scan# 2754

Delta R.T. -0.02 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

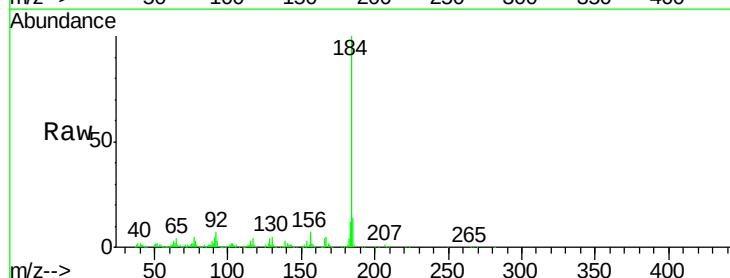
Tgt Ion:184 Resp: 998829

Ion Ratio Lower Upper

184 100

185 13.8 11.3 16.9

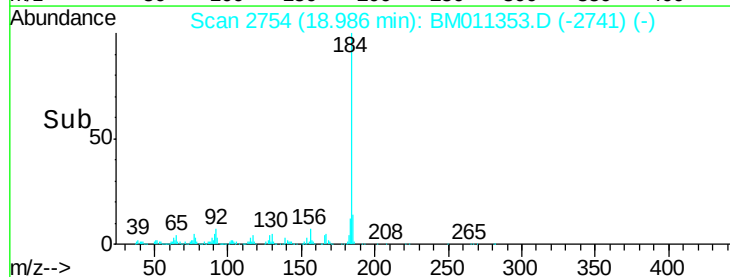
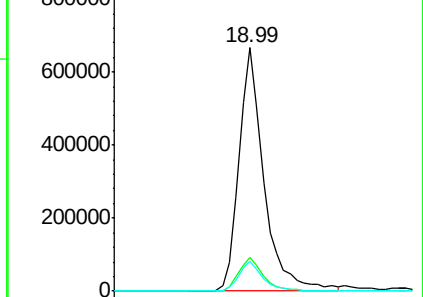
183 12.0 8.9 13.3

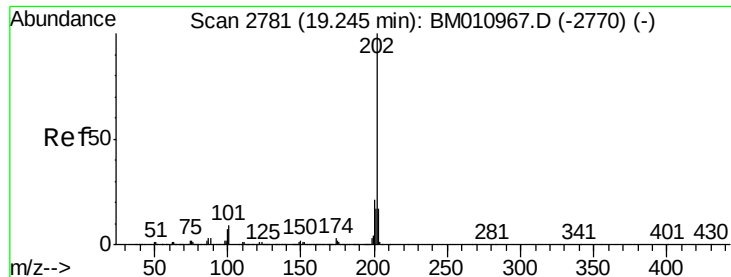


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

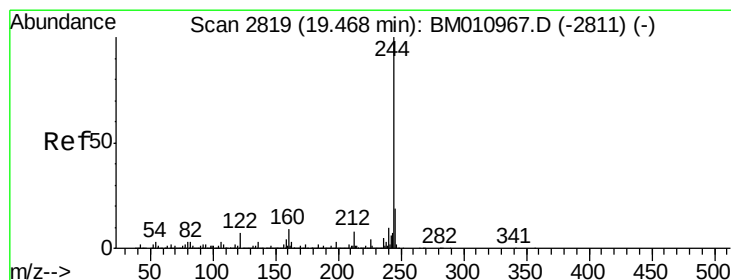
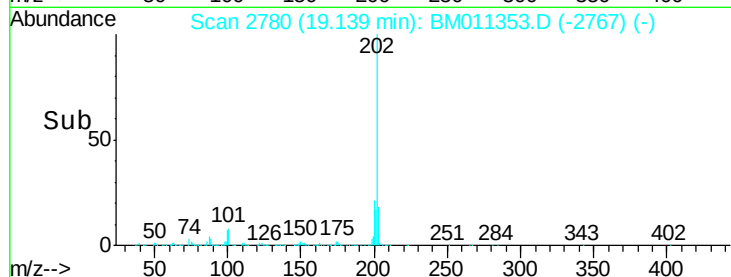
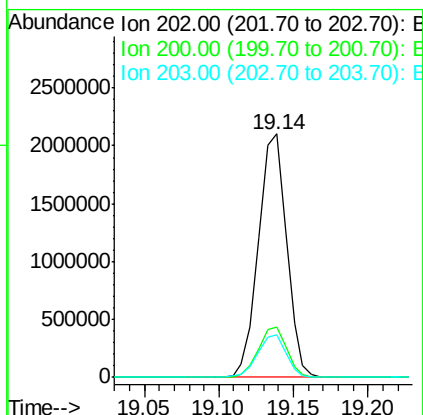
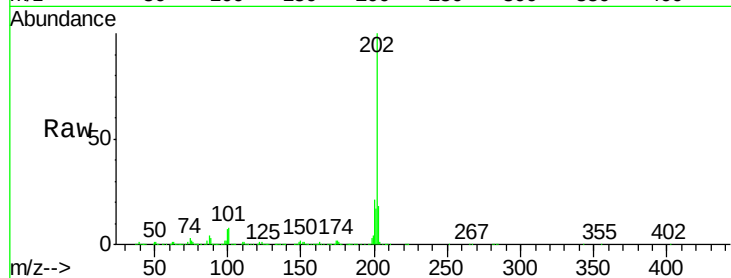




#77  
Pvrene  
Concen: 34.83 ng  
RT: 19.14 min Scan# 2780  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

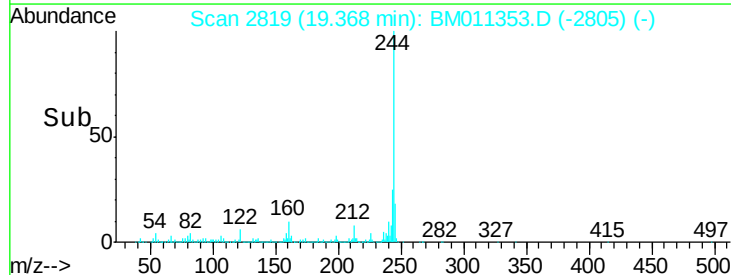
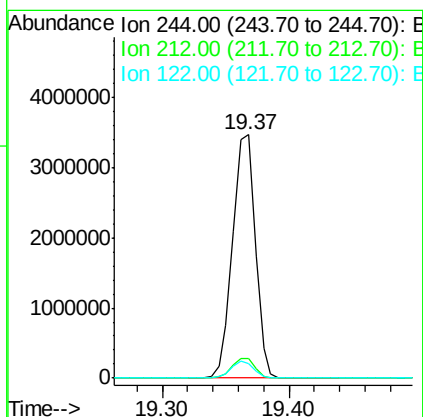
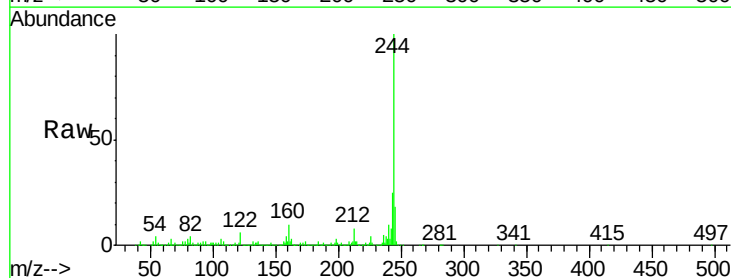
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

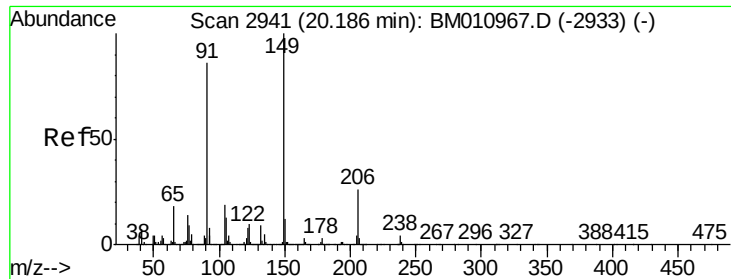
Tot Ion:202 Resp: 2738189  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.9 25.3  
203 17.7 14.1 21.1



#78  
Terphenyl-d14  
Concen: 64.37 ng  
RT: 19.37 min Scan# 2819  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:244 Resp: 4300145  
Ion Ratio Lower Upper  
244 100  
212 8.3 4.9 7.3#  
122 5.8 6.2 9.4#

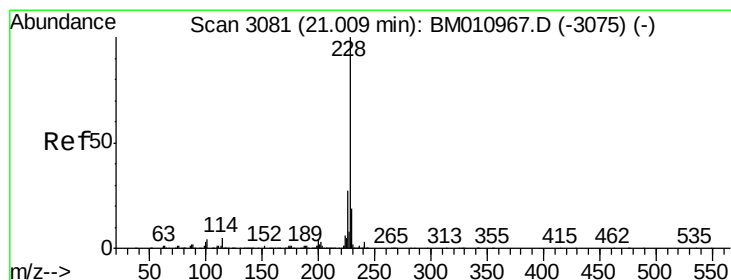
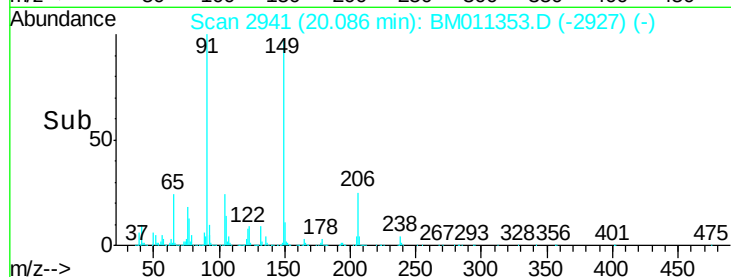
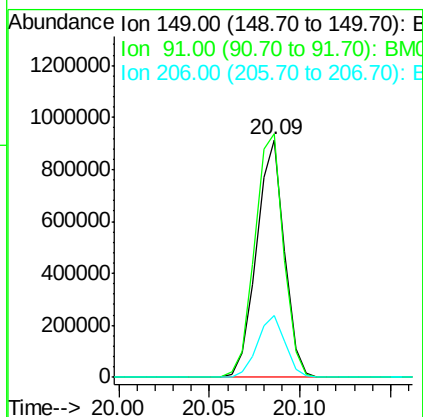
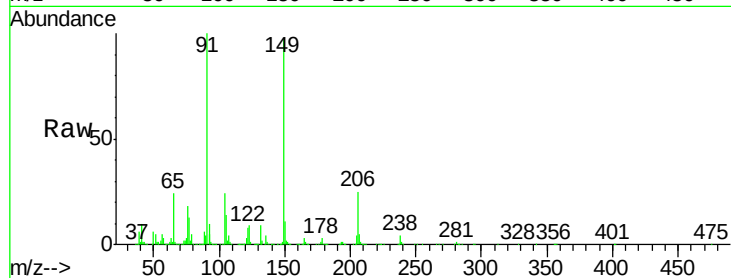




#79  
Butylbenzylphthalate  
Concen: 35.00 ng  
RT: 20.09 min Scan# 2941  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

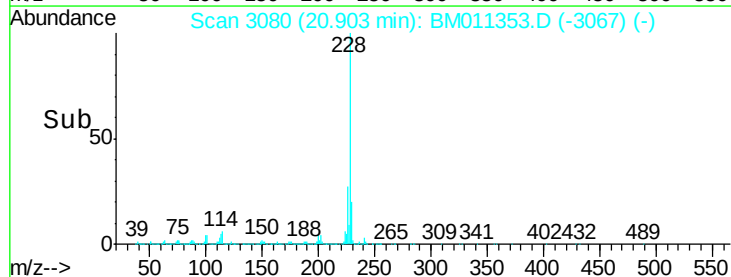
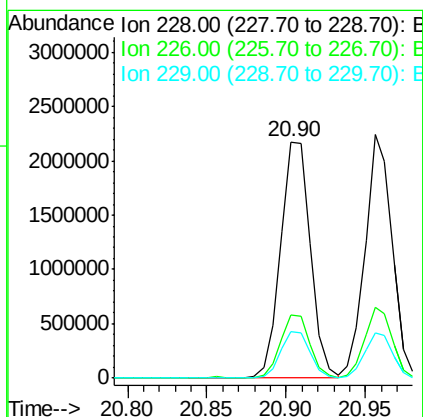
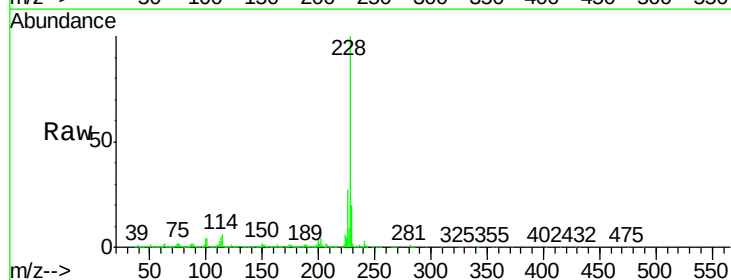
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

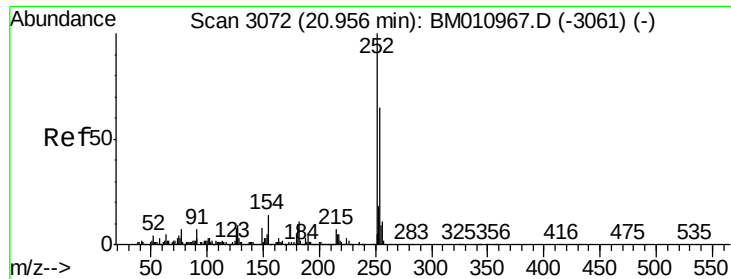
Tot Ion:149 Resp: 978583  
Ion Ratio Lower Upper  
149 100  
91 102.6 50.1 75.1#  
206 25.8 16.2 24.2#



#80  
Benzo(a)anthracene  
Concen: 37.55 ng  
RT: 20.90 min Scan# 3080  
Delta R.T. -0.02 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:228 Resp: 2837435  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.7 32.5  
229 19.6 16.0 24.0

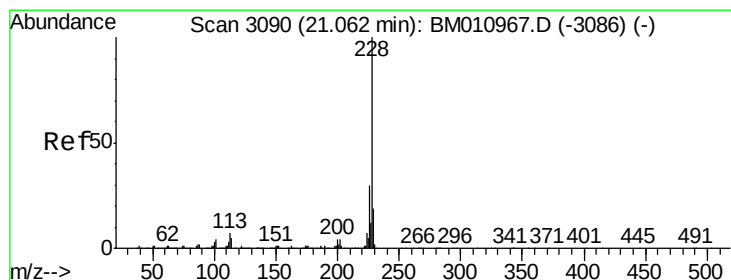
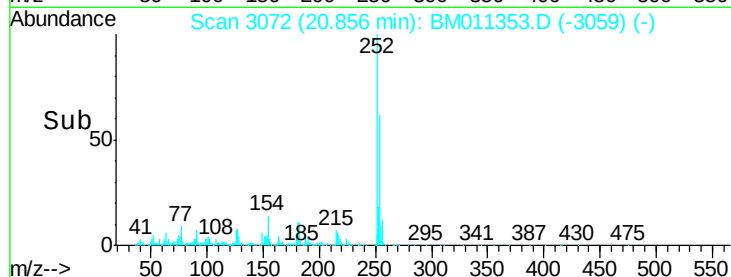
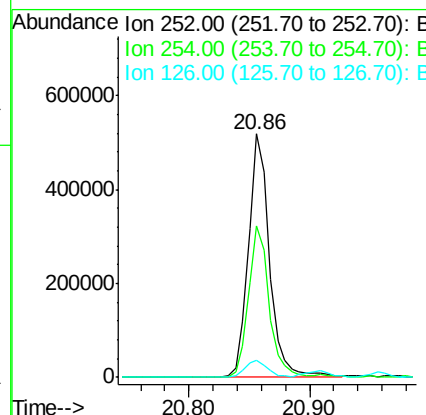
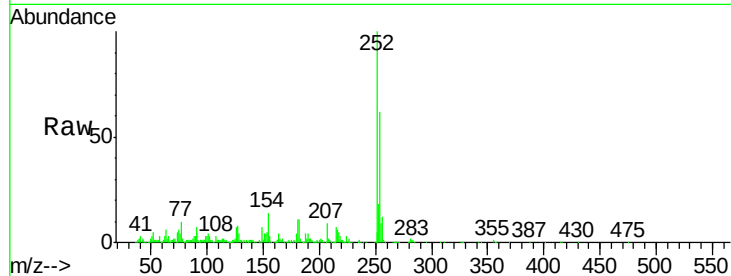




#81  
 3,3'-Dichlorobenzidine  
 Concen: 21.42 ng  
 RT: 20.86 min Scan# 3072  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

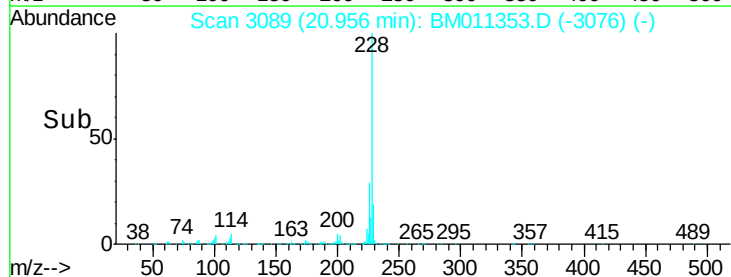
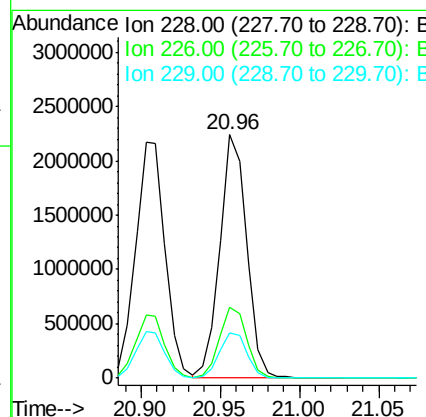
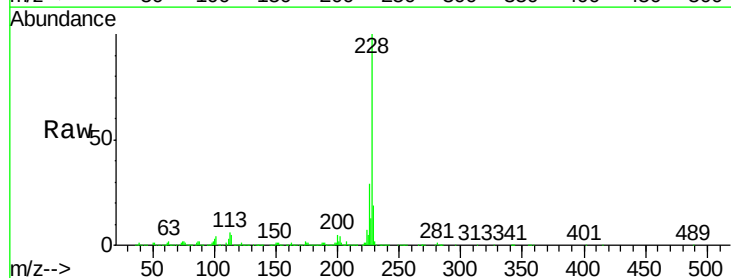
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

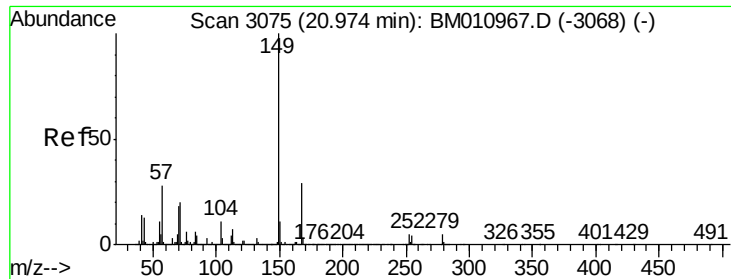
Tot Ion:252 Resp: 634936  
 Ion Ratio Lower Upper  
 252 100  
 254 62.1 51.9 77.9  
 126 7.2 9.8 14.8#



#82  
 Chrysene  
 Concen: 36.31 ng  
 RT: 20.96 min Scan# 3089  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

Tgt Ion:228 Resp: 2633609  
 Ion Ratio Lower Upper  
 228 100  
 226 29.1 24.1 36.1  
 229 18.8 15.5 23.3

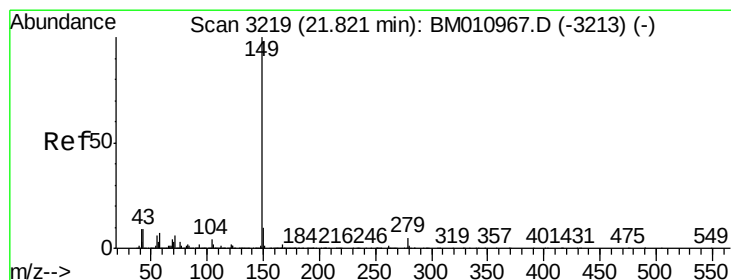
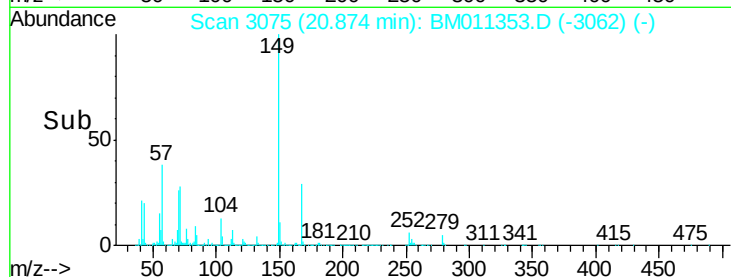
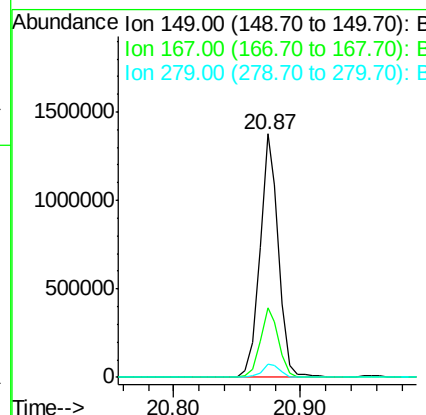
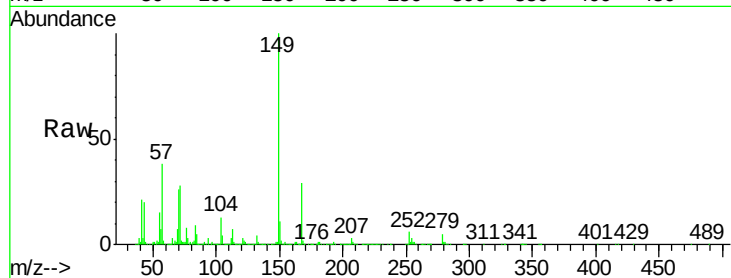




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 33.97 ng  
 RT: 20.87 min Scan# 3075  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

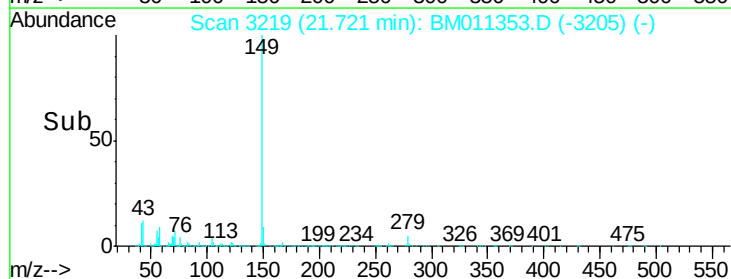
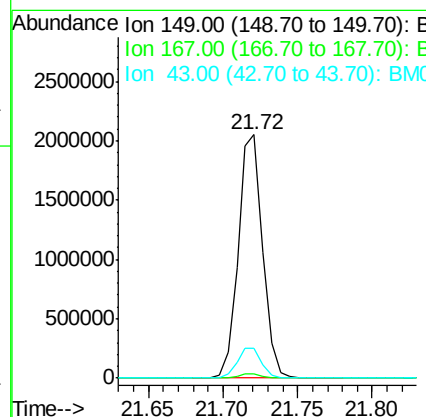
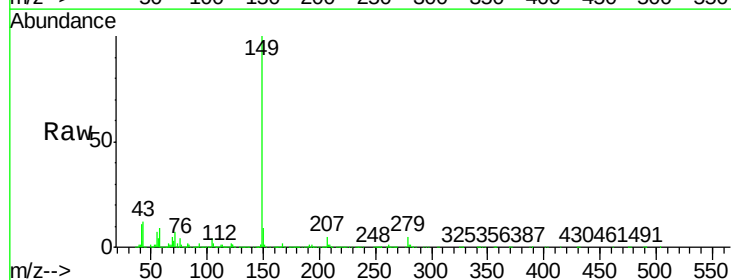
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

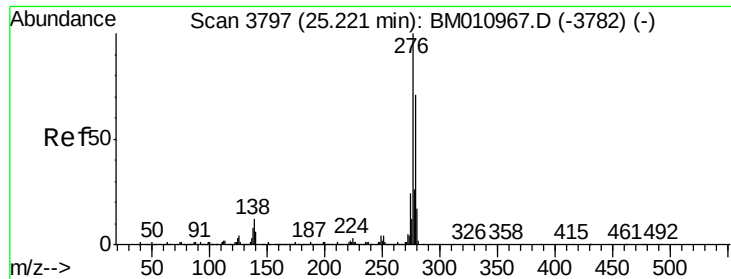
Tot Ion:149 Resp: 1397142  
 Ion Ratio Lower Upper  
 149 100  
 167 28.7 22.4 33.6  
 279 5.3 3.4 5.0#



#84  
 Di-n-octyl phthalate  
 Concen: 34.98 ng  
 RT: 21.72 min Scan# 3219  
 Delta R.T. -0.02 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

Tgt Ion:149 Resp: 2335127  
 Ion Ratio Lower Upper  
 149 100  
 167 1.7 1.2 1.8  
 43 12.7 7.3 10.9#



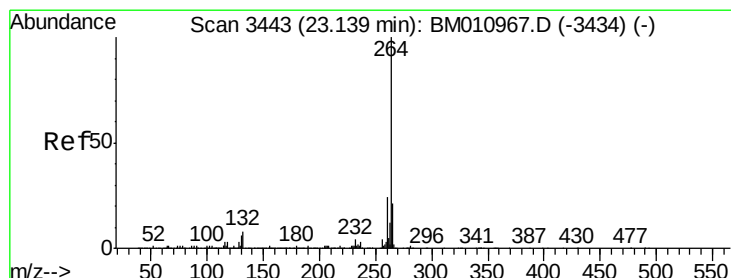
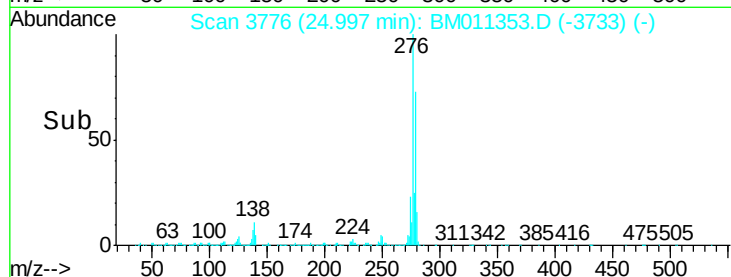
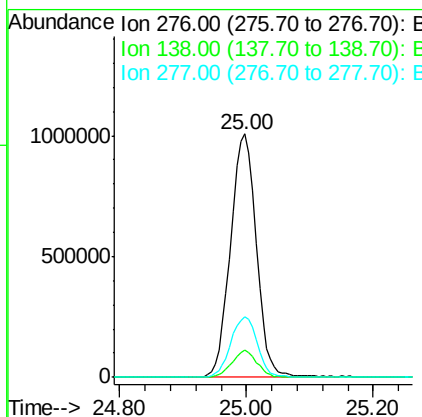
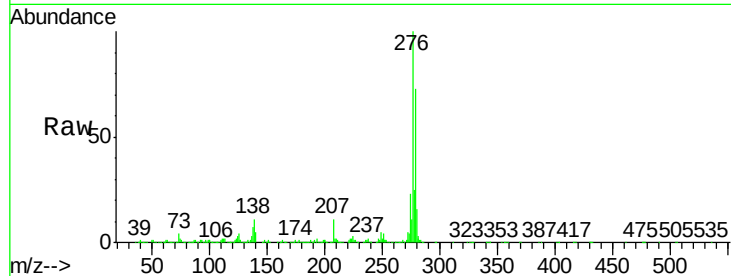


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.66 ng  
 RT: 25.00 min Scan# 3776  
 Delta R.T. -0.05 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OR-01-082317MS

Tot Ion:276 Resp: 2828694  

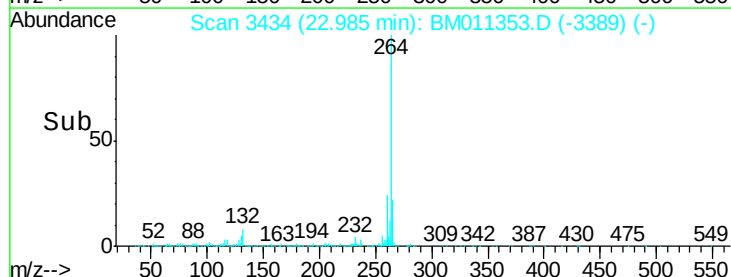
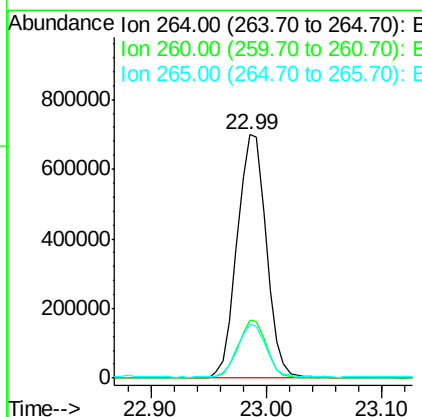
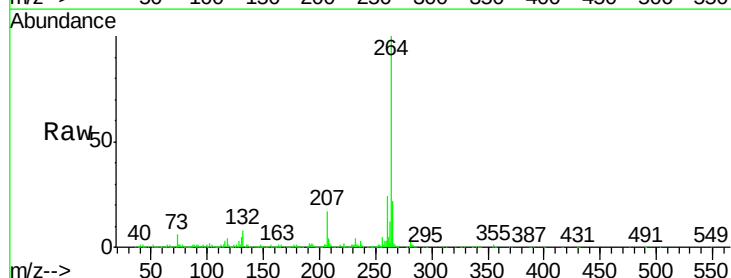
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 10.9  | 12.0  | 18.0# |
| 277 | 25.5  | 20.0  | 30.0  |

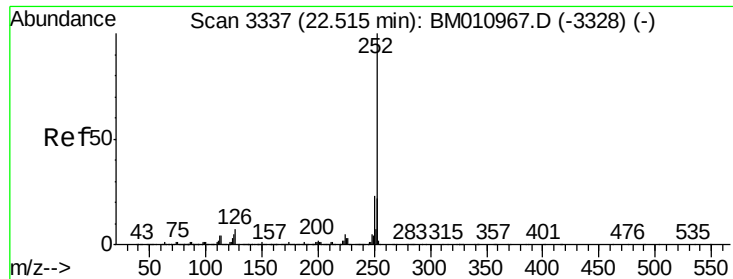


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.99 min Scan# 3434  
 Delta R.T. -0.04 min  
 Lab File: BM011353.D  
 Acq: 25 Aug 2017 20:52

Tgt Ion:264 Resp: 1230817  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.6  | 27.8  |
| 265 | 22.5  | 17.3  | 25.9  |

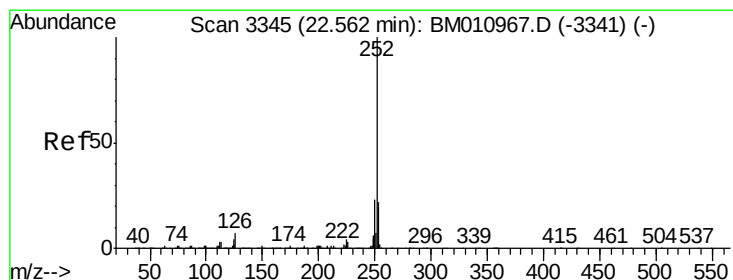
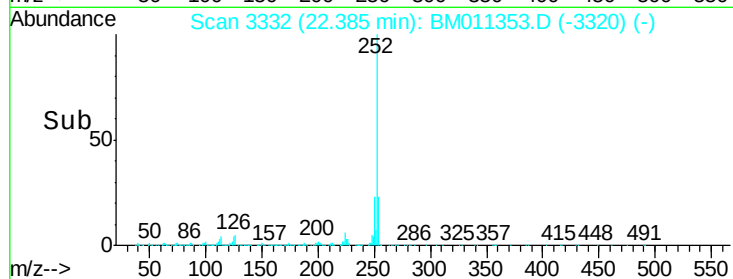
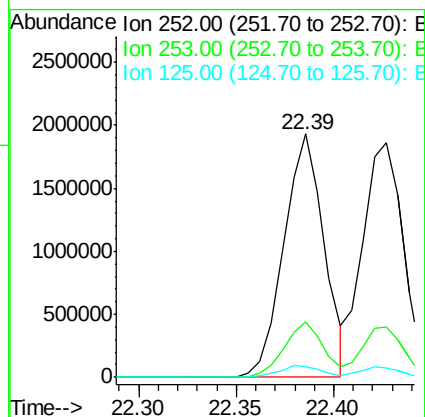
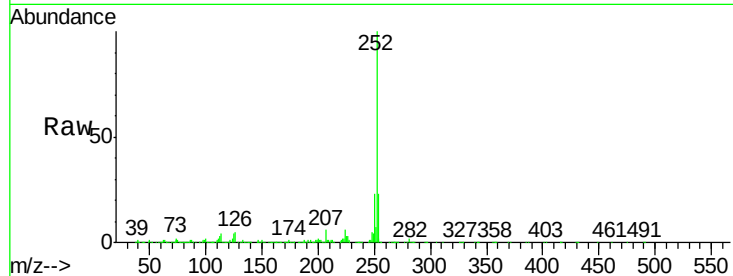




#87  
Benzo(b)fluoranthene  
Concen: 34.79 ng  
RT: 22.39 min Scan# 3332  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

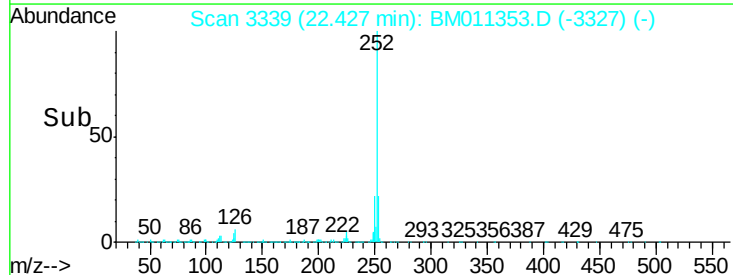
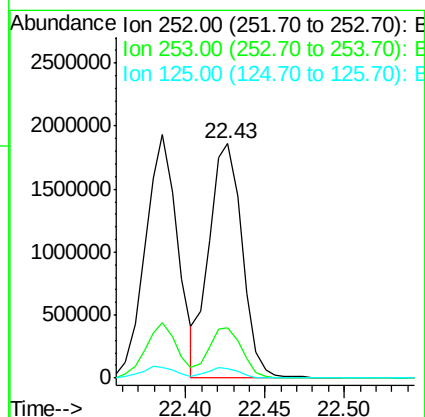
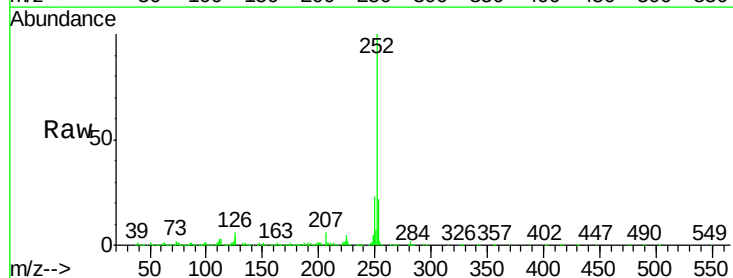
Instrument :  
BNA\_M  
ClientSampleId :  
OR-01-082317MS

Tot Ion:252 Resp: 2748020  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.0 27.0  
125 4.3 9.9 14.9#

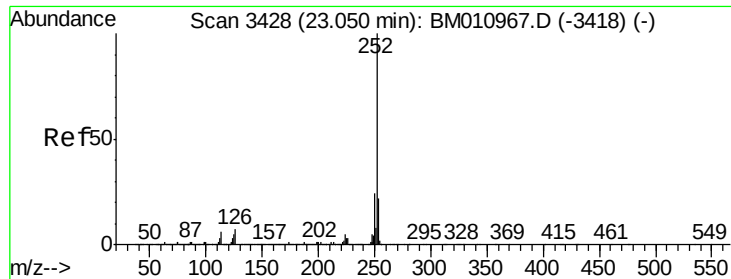


#88  
Benzo(k)fluoranthene  
Concen: 35.60 ng  
RT: 22.43 min Scan# 3339  
Delta R.T. -0.03 min  
Lab File: BM011353.D  
Acq: 25 Aug 2017 20:52

Tgt Ion:252 Resp: 2695119  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.2 25.8  
125 4.2 8.1 12.1#







#89

Benzo(a)pyrene

Concen: 37.17 ng

RT: 22.90 min Scan# 3419

Delta R.T. -0.04 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

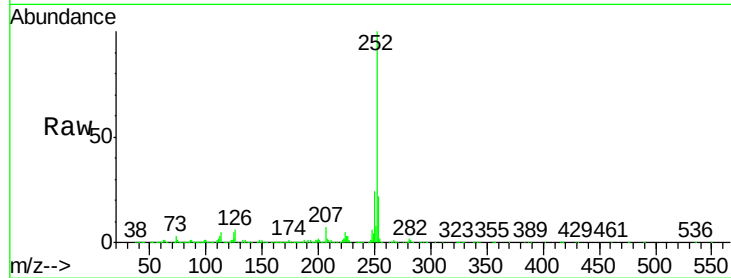
BNA\_M

ClientSampleId :

OR-01-082317MS

Tot Ion:252 Resp: 2656786

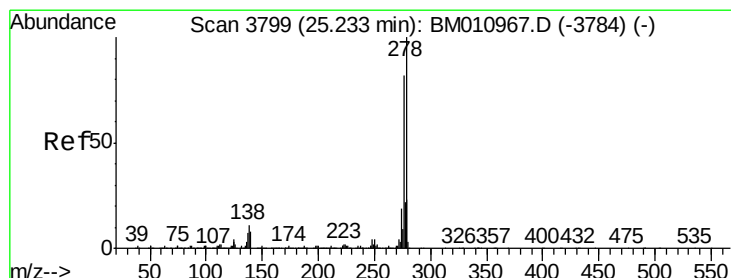
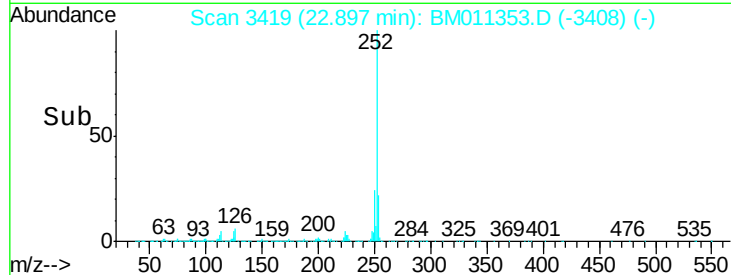
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 17.6  | 26.4  |
| 125 | 5.1   | 7.4   | 11.2# |



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



#90

Dibenzo(a,h)anthracene

Concen: 34.86 ng

RT: 25.01 min Scan# 3778

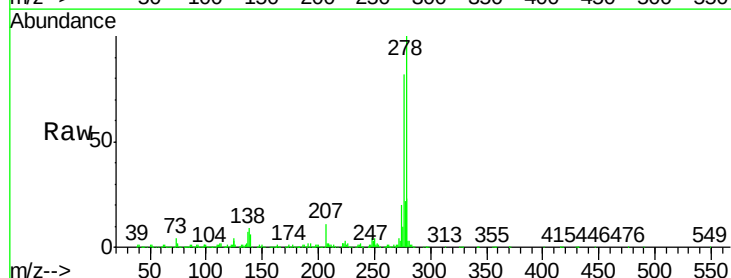
Delta R.T. -0.05 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Tgt Ion:278 Resp: 2310151

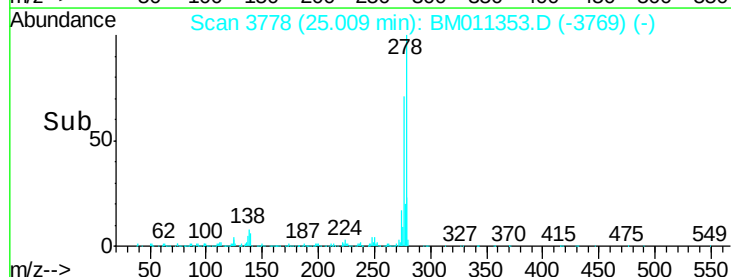
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 6.4   | 13.4  | 20.0# |
| 279 | 23.4  | 19.0  | 28.4  |

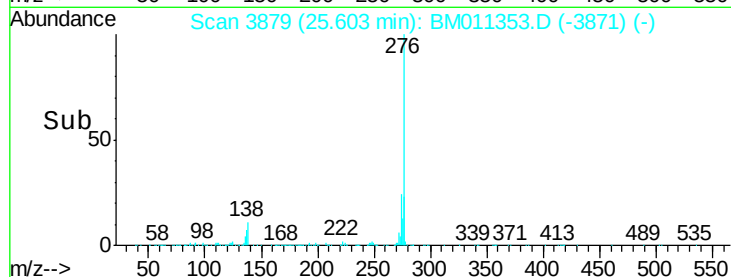
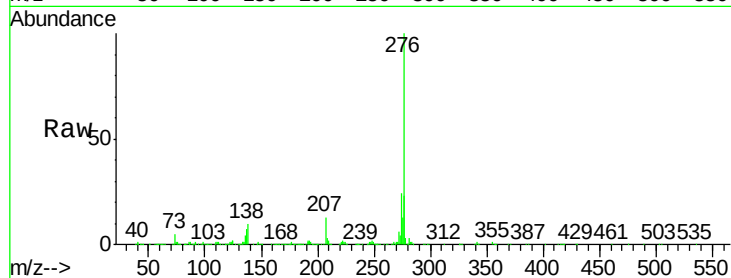
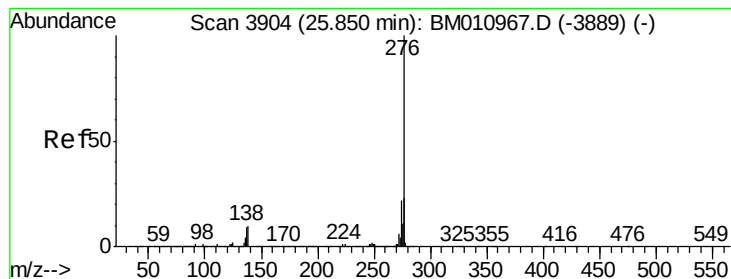


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 35.36 ng

RT: 25.60 min Scan# 3879

Delta R.T. -0.05 min

Lab File: BM011353.D

Acq: 25 Aug 2017 20:52

Instrument :

BNA\_M

ClientSampleId :

OR-01-082317MS

Tot Ion:276 Resp: 2301158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 22.8  | 18.5  | 27.7  |
| 138 | 10.5  | 19.0  | 28.6  |

