

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071917\  
 Data File : BM010902.D  
 Acq On : 19 Jul 2017 20:27  
 Operator : SJ/JU  
 Sample : I4245-15MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

Quant Time: Jul 20 01:54:03 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.44  | 152  | 228095   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.20 | 136  | 926226   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 14.09 | 164  | 642901   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.84 | 188  | 1512052  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.06 | 240  | 1387866  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.19 | 264  | 1151673  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.09  | 112 | 1934421 | 140.48 | ng | 0.00 |
| 7) Phenol-d6             | 6.64  | 99  | 2453665 | 129.26 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.59  | 82  | 2157999 | 89.56  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.60 | 330 | 1419104 | 144.44 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.70 | 172 | 4670502 | 90.37  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.50 | 244 | 6660383 | 92.82  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 178972  | 29.456  | ng | # 100  |
| 3) Pyridine                    | 3.49  | 79  | 193534  | 11.653  | ng | # 89   |
| 4) n-Nitrosodimethylamine      | 3.39  | 42  | 325249  | 38.319  | ng | # 67   |
| 6) Aniline                     | 6.80  | 93  | 294832  | 12.398  | ng | # 97   |
| 8) 2-Chlorophenol              | 7.02  | 128 | 592820  | 43.483  | ng | # 88   |
| 9) Benzaldehyde                | 6.60  | 77  | 317693  | 24.102  | ng | # 83   |
| 10) Phenol                     | 6.67  | 94  | 841619  | 41.933  | ng | # 98   |
| 11) bis(2-Chloroethyl)ether    | 6.89  | 93  | 657173  | 42.514  | ng | # 98   |
| 12) 1,3-Dichlorobenzene        | 7.33  | 146 | 629244  | 37.348  | ng | # 82   |
| 13) 1,4-Dichlorobenzene        | 7.47  | 146 | 650054  | 37.388  | ng | # 90   |
| 14) 1,2-Dichlorobenzene        | 7.79  | 146 | 628836  | 37.955  | ng | # 88   |
| 15) Benzyl Alcohol             | 7.69  | 79  | 790467  | 43.976  | ng | # 84   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.98  | 45  | 602029  | 44.922  | ng | # 79   |
| 17) 2-Methylphenol             | 7.89  | 107 | 598632  | 46.119  | ng | # 80   |
| 18) Hexachloroethane           | 8.50  | 117 | 282768  | 38.774  | ng | # 79   |
| 19) n-Nitroso-di-n-propylamine | 8.25  | 70  | 670918  | 44.618  | ng | # 91   |
| 20) 3+4-Methylphenols          | 8.22  | 107 | 803130  | 44.534  | ng | # 85   |
| 22) Acetophenone               | 8.26  | 105 | 1139692 | 40.867  | ng | # 95   |
| 24) Nitrobenzene               | 8.63  | 77  | 1025536 | 41.527  | ng | # 90   |
| 25) Isophorone                 | 9.15  | 82  | 1736919 | 43.999  | ng | # 87   |
| 26) 2-Nitrophenol              | 9.33  | 139 | 357235  | 43.472  | ng | # 26   |
| 27) 2,4-Dimethylphenol         | 9.40  | 122 | 625401  | 42.641  | ng | # 68   |
| 28) bis(2-Chloroethoxy)methane | 9.64  | 93  | 974936  | 44.056  | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 9.86  | 162 | 734029  | 44.304  | ng | # 95   |
| 30) 1,2,4-Trichlorobenzene     | 10.07 | 180 | 823146  | 40.640  | ng | # 95   |
| 31) Naphthalene                | 10.25 | 128 | 2041285 | 43.343  | ng | # 98   |
| 32) Benzoic acid               | 9.56  | 122 | 424201  | 36.863  | ng | # 58   |
| 33) 4-Chloroaniline            | 10.38 | 127 | 117218  | 6.178   | ng | # 78   |
| 34) Hexachlorobutadiene        | 10.54 | 225 | 637862  | 40.586  | ng | # 95   |
| 35) Caprolactam                | 11.16 | 113 | 136722m | 30.996  | ng | #      |
| 36) 4-Chloro-3-methylphenol    | 11.50 | 107 | 884175  | 44.119  | ng | # 74   |
| 37) 2-Methylnaphthalene        | 11.87 | 142 | 1569983 | 46.412  | ng | # 89   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.26 | 216 | 1105073 | 39.434  | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.23 | 237 | 1650330 | 102.731 | ng | # 99   |

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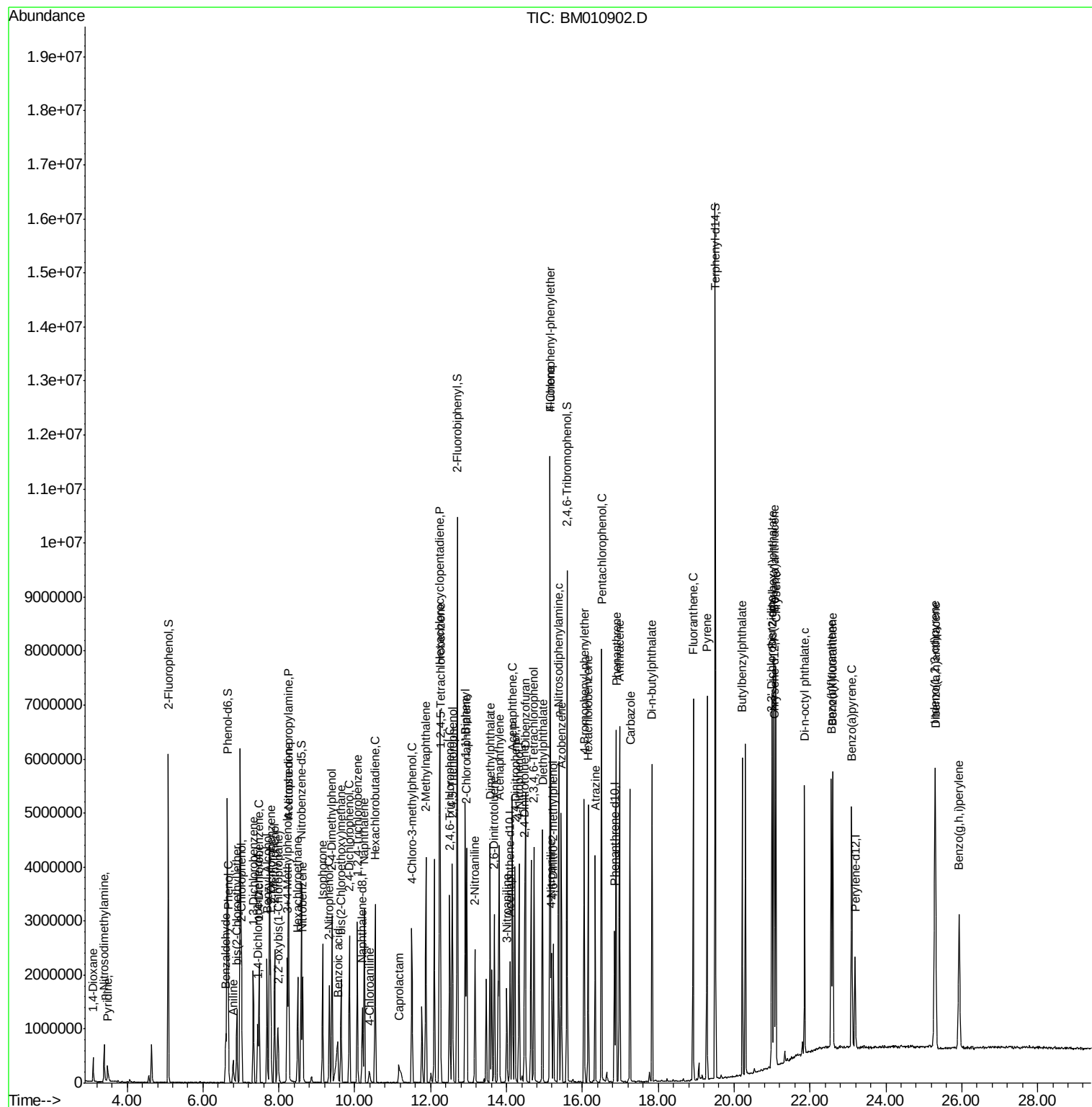
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.50 | 196  | 730660   | 42.343 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 12.57 | 196  | 765765   | 44.949 | ng    | # 86     |
| 45) 1,1'-Biphenyl              | 12.92 | 154  | 2222512  | 39.681 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 12.95 | 162  | 1775577  | 43.234 | ng    | # 93     |
| 47) 2-Nitroaniline             | 13.17 | 65   | 644249   | 47.721 | ng    | # 72     |
| 48) Acenaphthylene             | 13.81 | 152  | 2656064  | 43.484 | ng    | 99       |
| 49) Dimethylphthalate          | 13.57 | 163  | 2316829  | 42.360 | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 13.68 | 165  | 481417   | 44.875 | ng    | # 64     |
| 51) Acenaphthene               | 14.16 | 154  | 1617449  | 43.336 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.01 | 138  | 291134   | 29.852 | ng    | # 41     |
| 53) 2,4-Dinitrophenol          | 14.22 | 184  | 673507   | 90.818 | ng    | # 90     |
| 54) Dibenzofuran               | 14.50 | 168  | 2857773  | 47.334 | ng    | 92       |
| 55) 4-Nitrophenol              | 14.33 | 139  | 650824   | 76.837 | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 14.47 | 165  | 669317   | 44.962 | ng    | 95       |
| 57) Fluorene                   | 15.15 | 166  | 2289830  | 44.120 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.73 | 232  | 774529   | 48.929 | ng    | # 100    |
| 59) Diethylphthalate           | 14.95 | 149  | 2349152  | 43.490 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.15 | 204  | 1416065  | 44.417 | ng    | 97       |
| 61) 4-Nitroaniline             | 15.19 | 138  | 406419   | 39.870 | ng    | # 1      |
| 62) Azobenzene                 | 15.44 | 77   | 2781637  | 50.714 | ng    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 15.24 | 198  | 438806   | 44.010 | ng    | 98       |
| 65) n-Nitrosodiphenylamine     | 15.37 | 169  | 1991152  | 46.021 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.05 | 248  | 917213   | 47.865 | ng    | # 89     |
| 67) Hexachlorobenzene          | 16.16 | 284  | 945998   | 43.173 | ng    | # 88     |
| 68) Atrazine                   | 16.34 | 200  | 729321   | 40.704 | ng    | 98       |
| 69) Pentachlorophenol          | 16.50 | 266  | 1186763  | 84.486 | ng    | 98       |
| 70) Phenanthrene               | 16.89 | 178  | 3713258  | 47.206 | ng    | 99       |
| 71) Anthracene                 | 16.98 | 178  | 3678815  | 47.114 | ng    | 99       |
| 72) Carbazole                  | 17.26 | 167  | 2935483  | 42.687 | ng    | 99       |
| 73) Di-n-butylphthalate        | 17.84 | 149  | 3591262  | 44.141 | ng    | # 96     |
| 74) Fluoranthene               | 18.92 | 202  | 4238662  | 43.509 | ng    | 98       |
| 77) Pyrene                     | 19.29 | 202  | 4232372  | 52.604 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.22 | 149  | 1392450  | 49.433 | ng    | # 72     |
| 80) Benzo(a)anthracene         | 21.04 | 228  | 3750983  | 46.643 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 20.99 | 252  | 809330   | 25.595 | ng    | # 98     |
| 82) Chrysene                   | 21.10 | 228  | 3466204  | 45.258 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 1892874  | 46.146 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 21.86 | 149  | 2905645  | 43.234 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 25.30 | 276  | 3813824  | 43.427 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 22.56 | 252  | 3382724  | 46.241 | ng    | # 93     |
| 88) Benzo(k)fluoranthene       | 22.60 | 252  | 3336877  | 47.756 | ng    | # 94     |
| 89) Benzo(a)pyrene             | 23.10 | 252  | 3201994  | 48.087 | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 25.31 | 278  | 3131799  | 48.459 | ng    | # 90     |
| 91) Benzo(g,h,i)perylene       | 25.93 | 276  | 3176874  | 50.006 | ng    | # 86     |

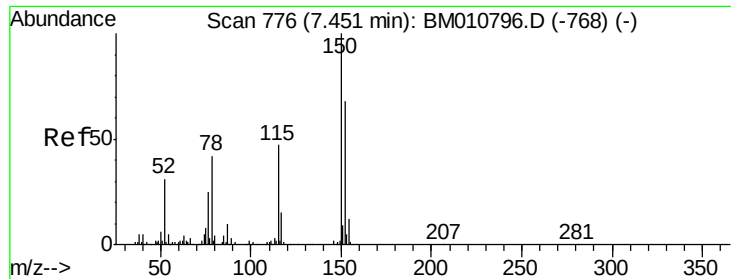
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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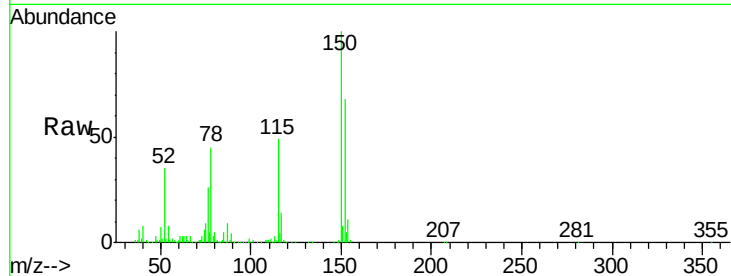


#1

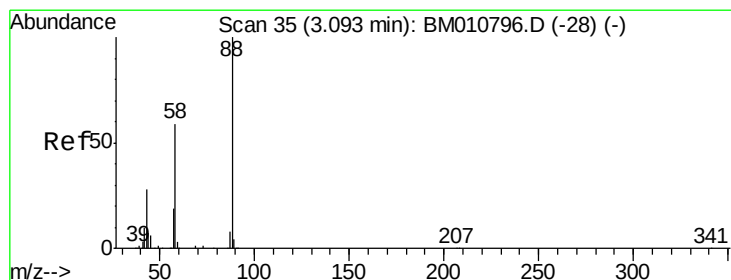
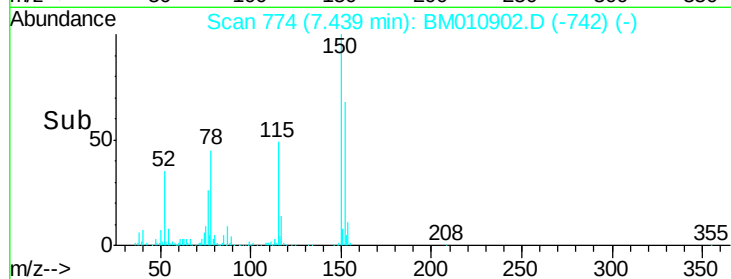
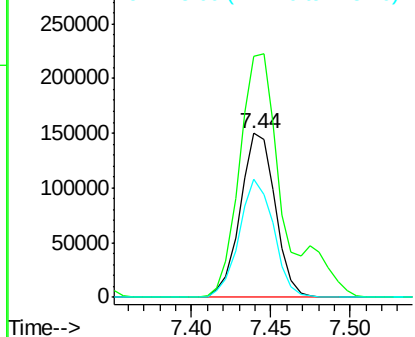
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Instrument :  
BNA\_M  
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PL-01-071717-EMS

Tgt Ion:152 Resp: 228095  
Ion Ratio Lower Upper  
152 100  
150 147.3 119.5 179.3  
115 72.6 43.0 64.4#



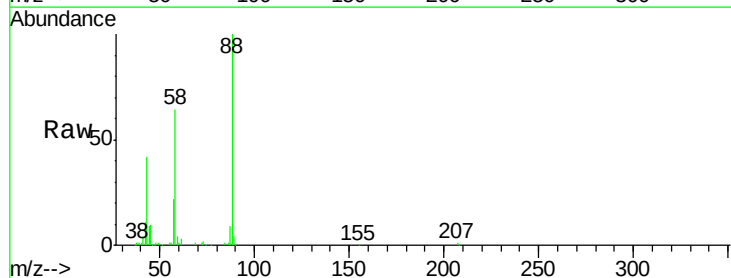
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



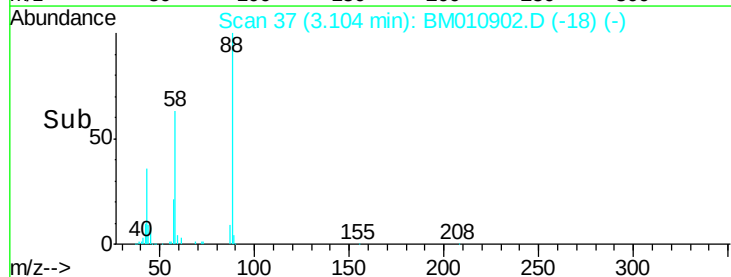
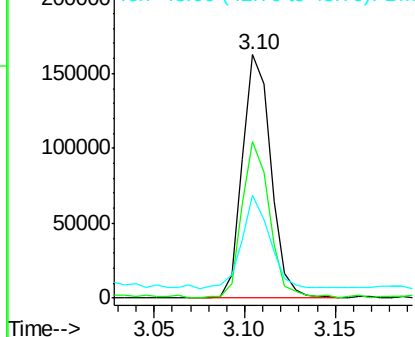
#2

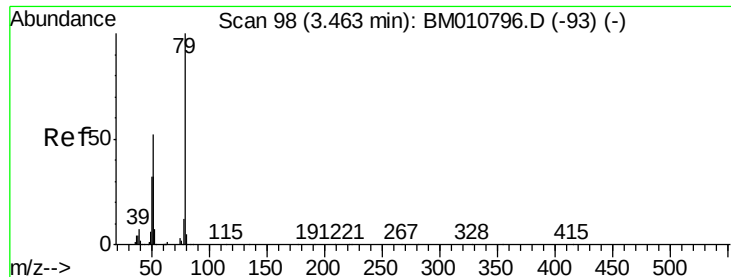
1,4-Dioxane  
Concen: 29.456 ng  
RT: 3.10 min Scan# 37  
Delta R.T. 0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion: 88 Resp: 178972  
Ion Ratio Lower Upper  
88 100  
58 61.1 0.0 0.0#  
43 37.5 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

Pyridine

Concen: 11.653 ng

RT: 3.49 min Scan# 102

Delta R.T. 0.02 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

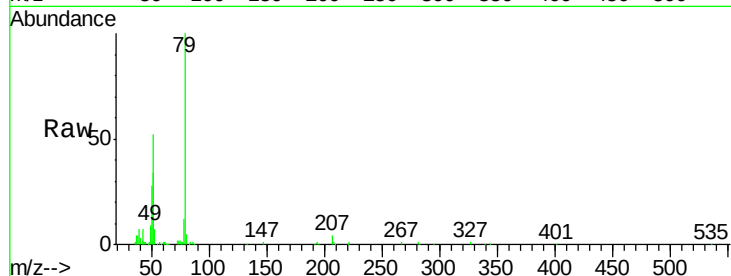
Tgt Ion: 79 Resp: 193534

Ion Ratio Lower Upper

79 100

52 51.9 51.1 76.7

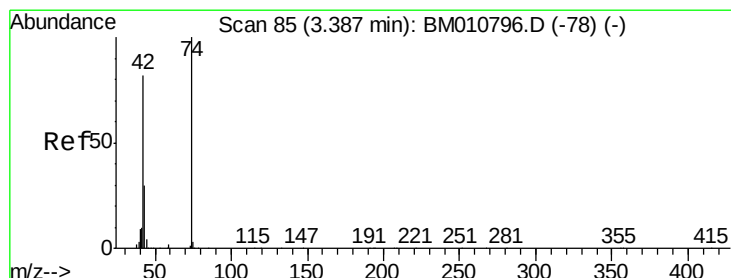
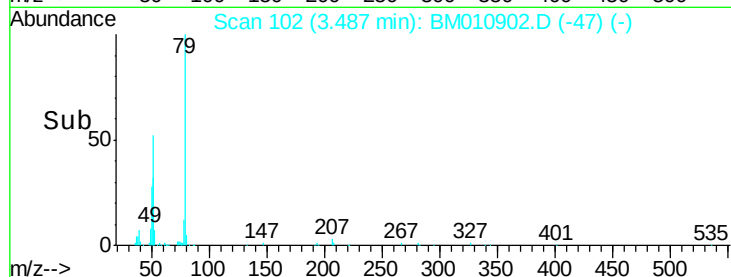
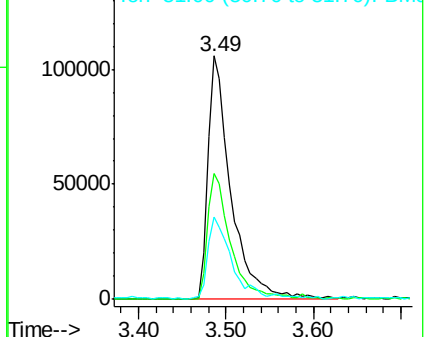
51 33.7 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BM010796.D (-93) (-)

Ion 52.00 (51.70 to 52.70): BM010796.D (-93) (-)

Ion 51.00 (50.70 to 51.70): BM010796.D (-93) (-)



#4

n-Nitrosodimethylamine

Concen: 38.319 ng

RT: 3.39 min Scan# 86

Delta R.T. 0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

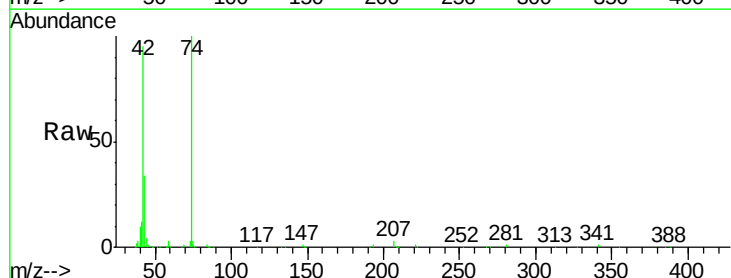
Tgt Ion: 42 Resp: 325249

Ion Ratio Lower Upper

42 100

74 105.8 119.3 178.9#

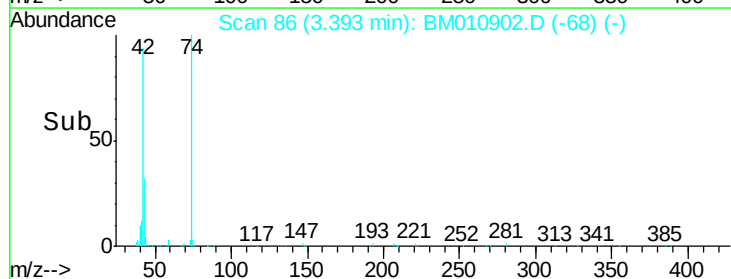
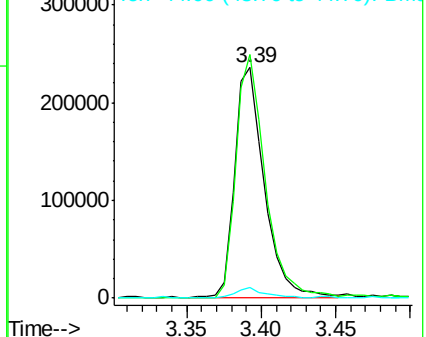
44 4.4 5.4 8.2#

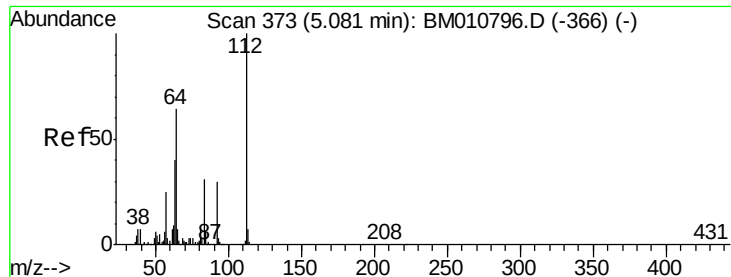


Abundance Ion 42.00 (41.70 to 42.70): BM010796.D (-78) (-)

Ion 74.00 (73.70 to 74.70): BM010796.D (-78) (-)

Ion 44.00 (43.70 to 44.70): BM010796.D (-78) (-)





#5

2-Fluorophenol

Concen: 140.483 ng

RT: 5.09 min Scan# 374

Delta R.T. 0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

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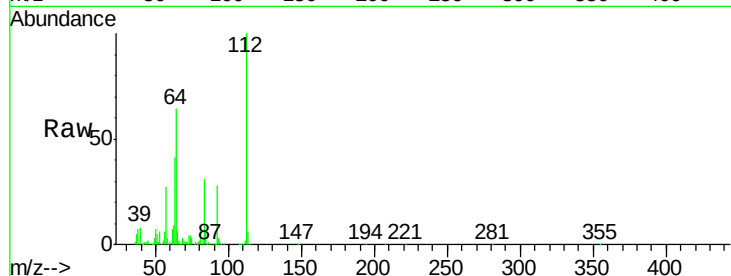
Tgt Ion: 112 Resp: 1934421

Ion Ratio Lower Upper

112 100

64 63.8 38.6 57.8#

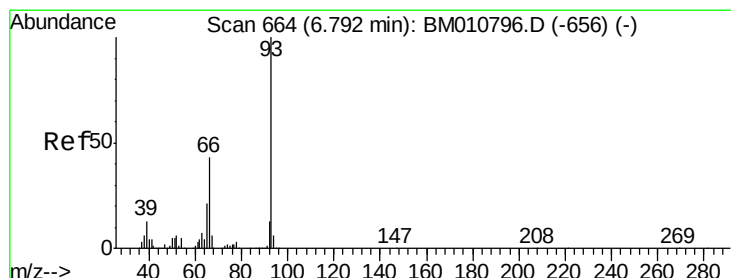
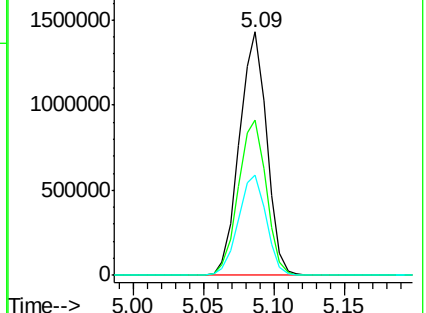
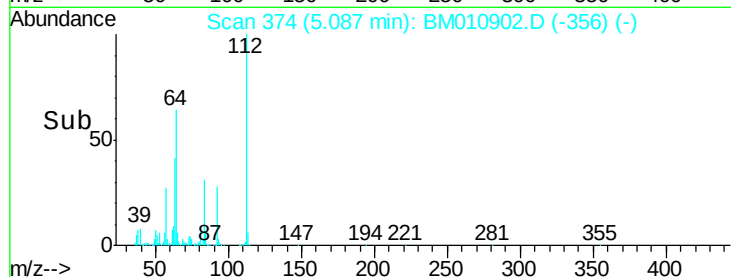
63 41.4 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 12.398 ng

RT: 6.80 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

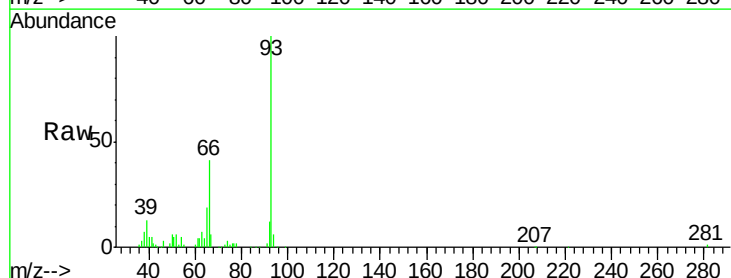
Tgt Ion: 93 Resp: 294832

Ion Ratio Lower Upper

93 100

66 40.6 30.8 46.2

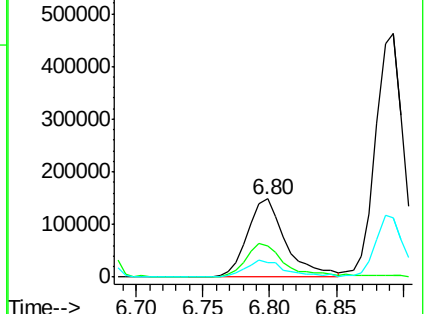
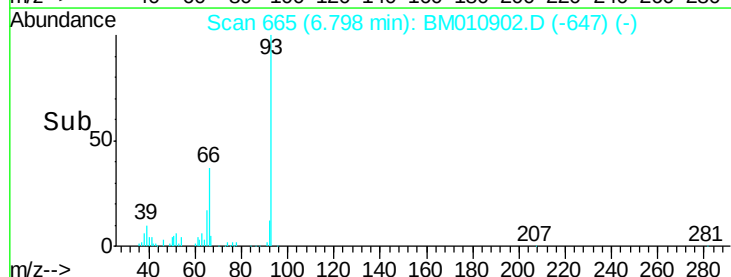
65 18.7 16.0 24.0

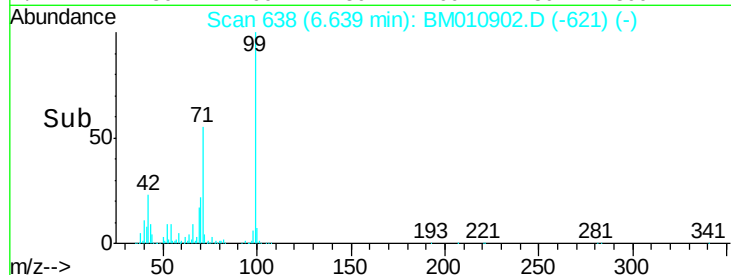
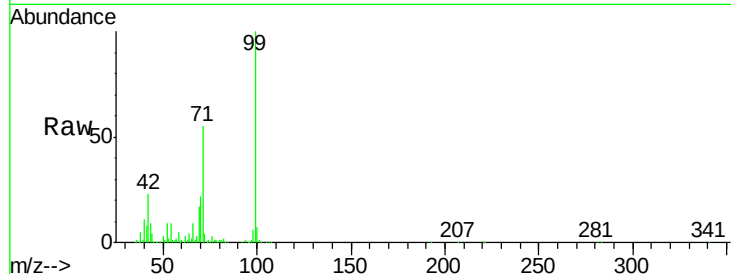
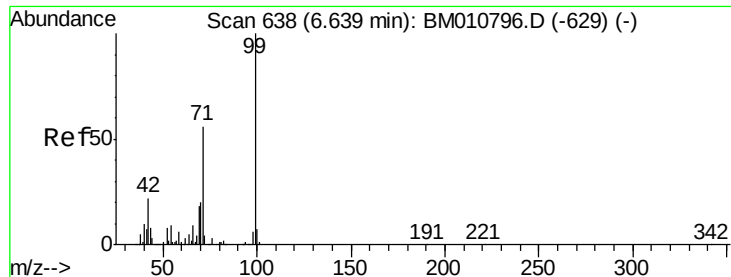


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 129.257 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.00 min

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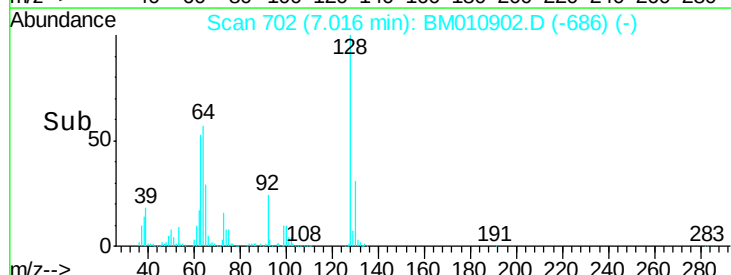
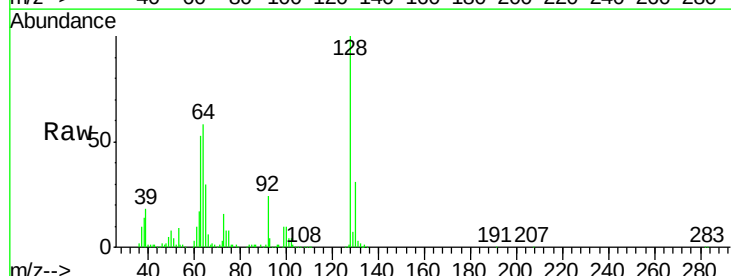
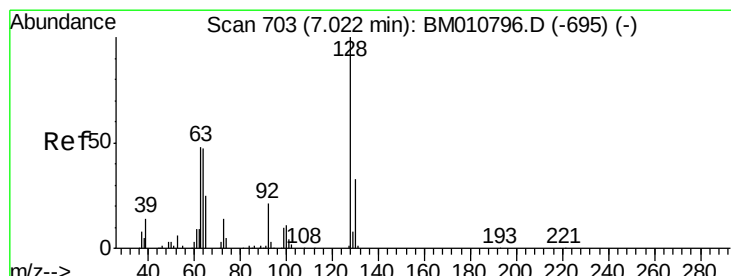
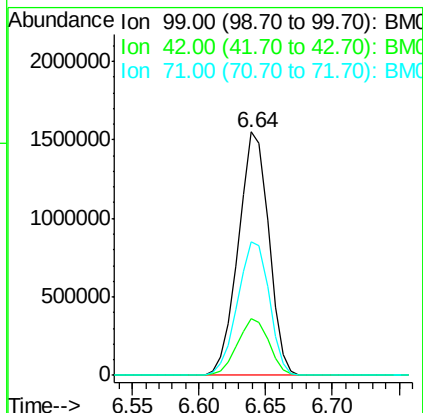
Tgt Ion: 99 Resp: 2453665

Ion Ratio Lower Upper

99 100

42 23.2 11.0 16.4#

71 55.1 23.4 35.2#



#8

2-Chlorophenol

Concen: 43.483 ng

RT: 7.02 min Scan# 702

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

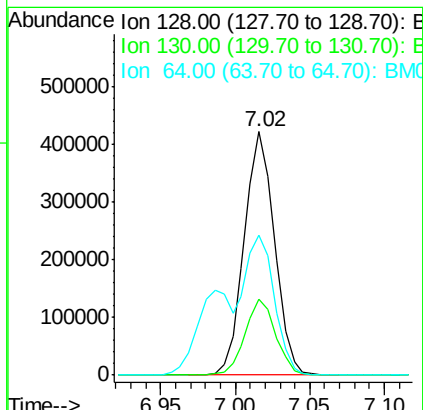
Tgt Ion: 128 Resp: 592820

Ion Ratio Lower Upper

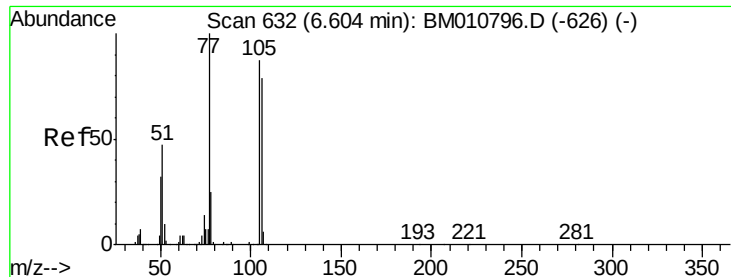
128 100

130 30.9 12.0 52.0

64 57.5 24.9 64.9







#9

Benzaldehyde

Concen: 24.102 ng

RT: 6.60 min Scan# 632

Delta R.T. 0.00 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

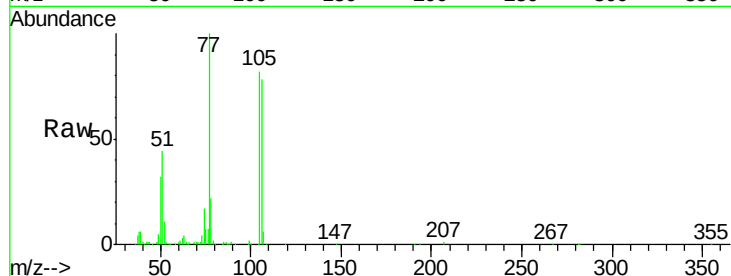
Tgt Ion: 77 Resp: 317693

Ion Ratio Lower Upper

77 100

105 82.1 78.8 118.8

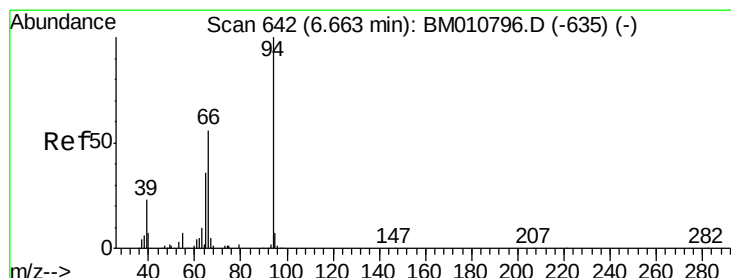
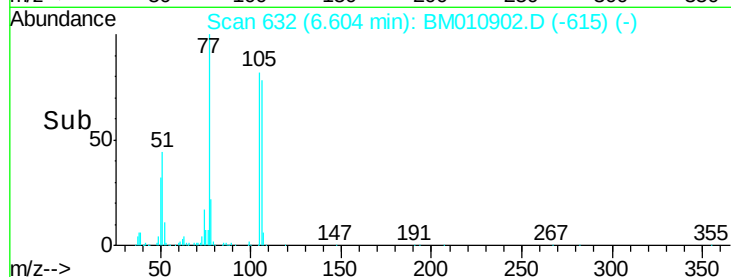
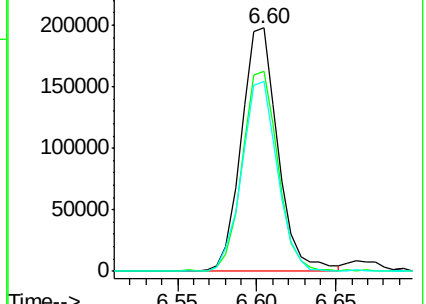
106 77.7 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BM010796.D (-626) (-)

Ion 105.00 (104.70 to 105.70): BM010796.D (-626) (-)

Ion 106.00 (105.70 to 106.70): BM010796.D (-626) (-)



#10

Phenol

Concen: 41.933 ng

RT: 6.67 min Scan# 643

Delta R.T. 0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

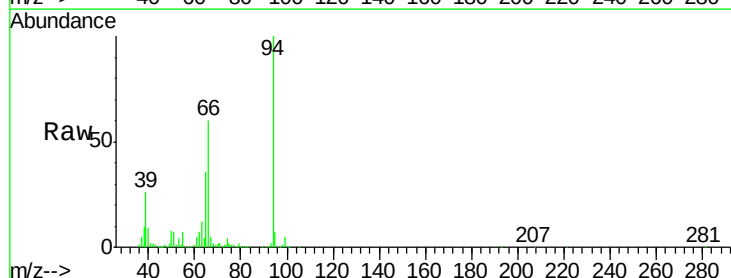
Tgt Ion: 94 Resp: 841619

Ion Ratio Lower Upper

94 100

65 36.0 18.8 58.8

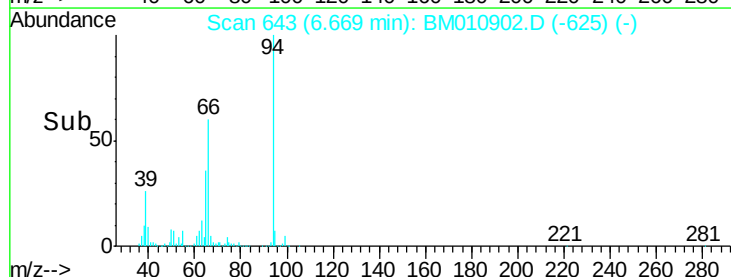
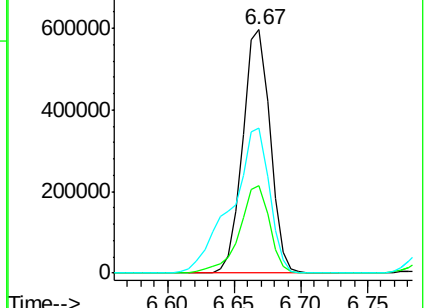
66 59.6 39.9 79.9



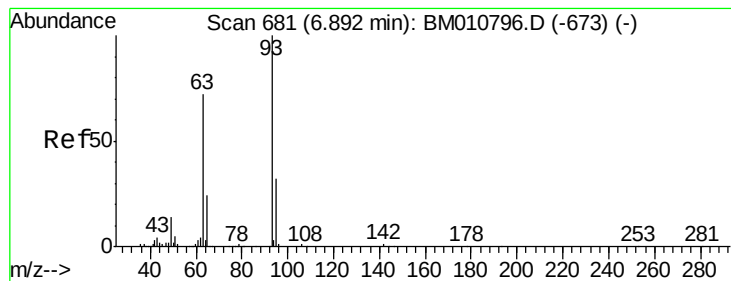
Abundance Ion 94.00 (93.70 to 94.70): BM010796.D (-635) (-)

Ion 65.00 (64.70 to 65.70): BM010796.D (-635) (-)

Ion 66.00 (65.70 to 66.70): BM010796.D (-635) (-)



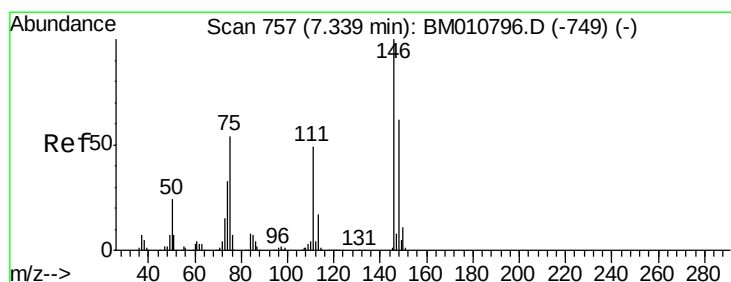
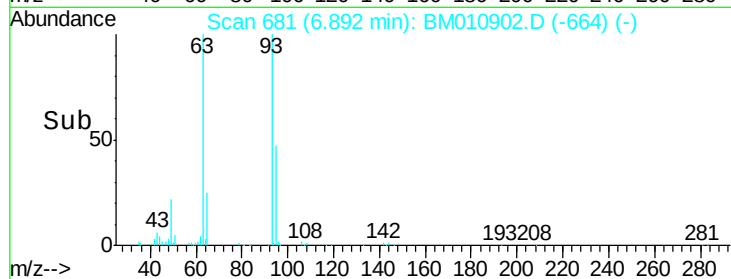
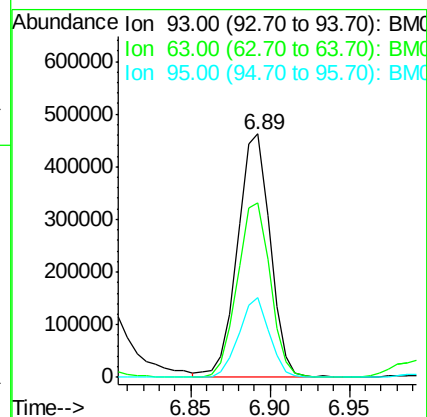
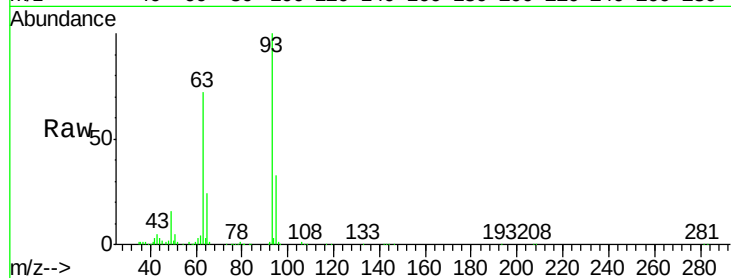




#11  
bis(2-Chloroethyl)ether  
Concen: 42.514 ng  
RT: 6.89 min Scan# 681  
Delta R.T. 0.00 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

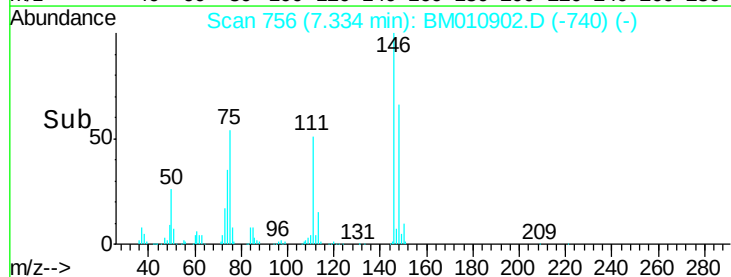
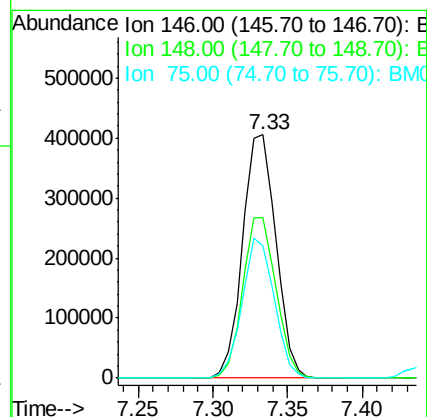
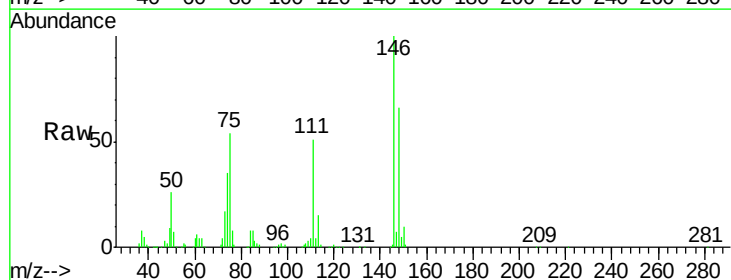
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

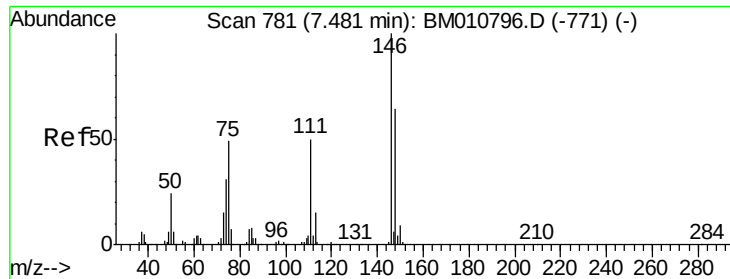
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 71.5  | 49.5  | 89.5  |
| 95      | 32.5  | 13.5  | 53.5  |



#12  
1,3-Dichlorobenzene  
Concen: 37.348 ng  
RT: 7.33 min Scan# 756  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.6  | 50.9  | 76.3  |
| 75      | 54.5  | 21.4  | 32.2  |

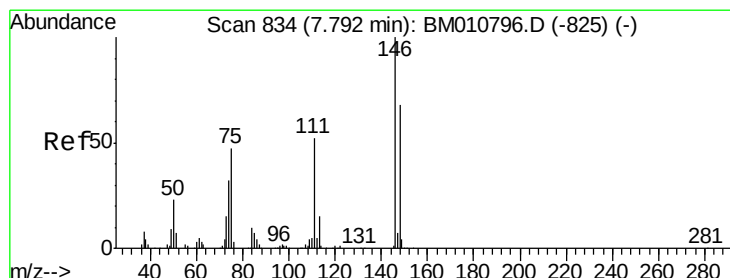
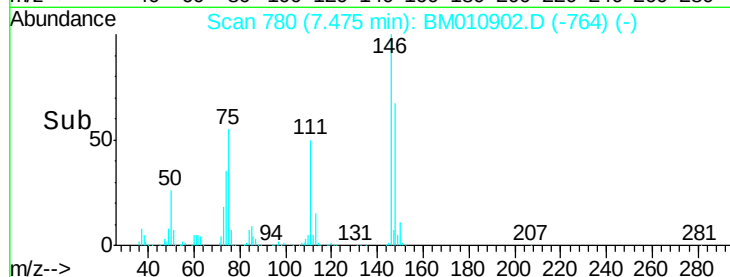
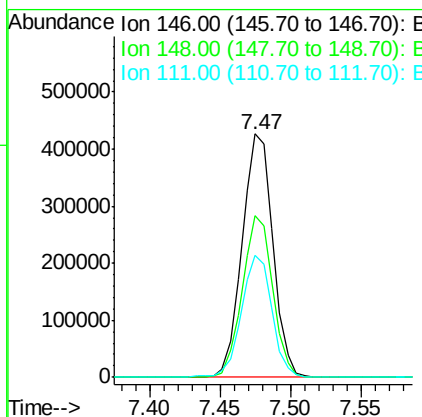
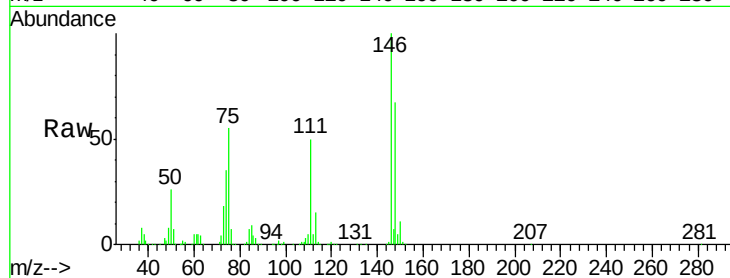




#13  
 1,4-Dichlorobenzene  
 Concen: 37.388 ng  
 RT: 7.47 min Scan# 780  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

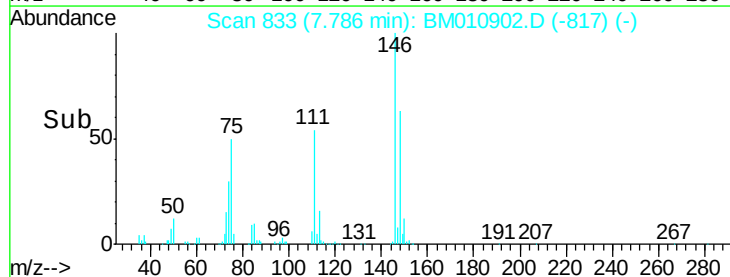
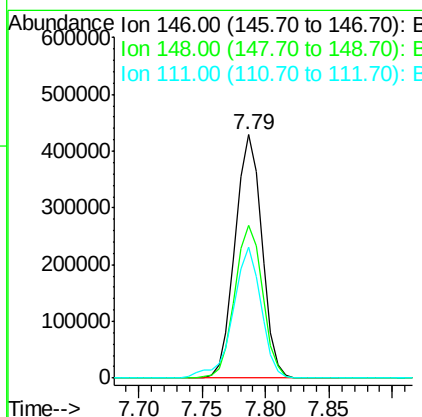
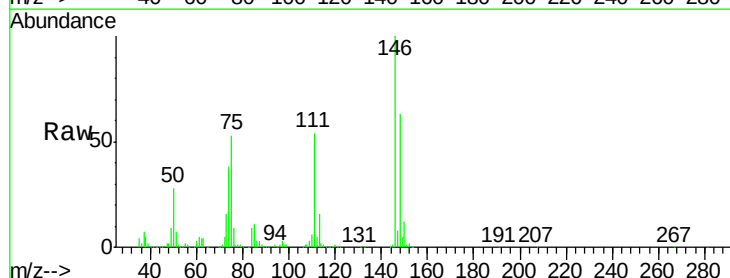
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

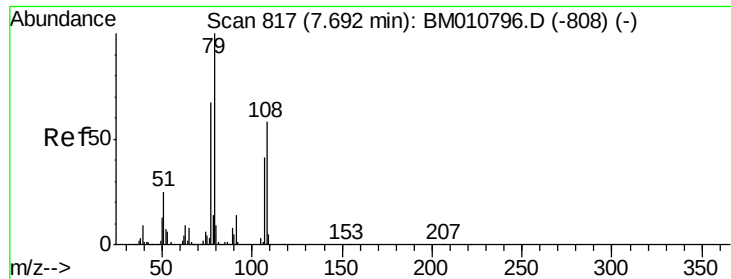
Tgt Ion:146 Resp: 650054  
 Ion Ratio Lower Upper  
 146 100  
 148 66.6 51.9 77.9  
 111 50.0 29.2 43.8#



#14  
 1,2-Dichlorobenzene  
 Concen: 37.955 ng  
 RT: 7.79 min Scan# 833  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:146 Resp: 628836  
 Ion Ratio Lower Upper  
 146 100  
 148 62.7 52.3 78.5  
 111 54.0 30.6 45.8#

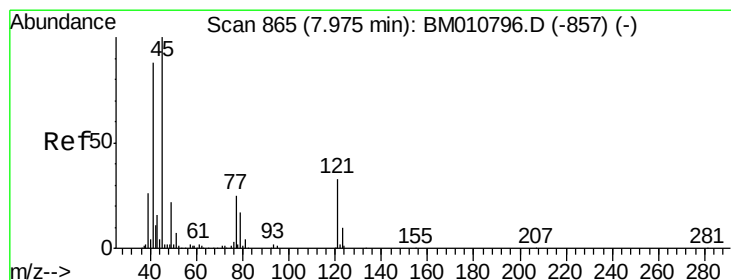
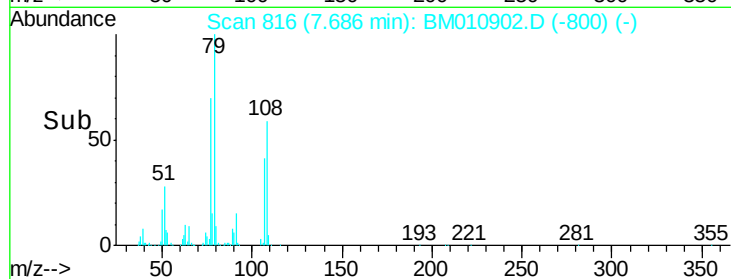
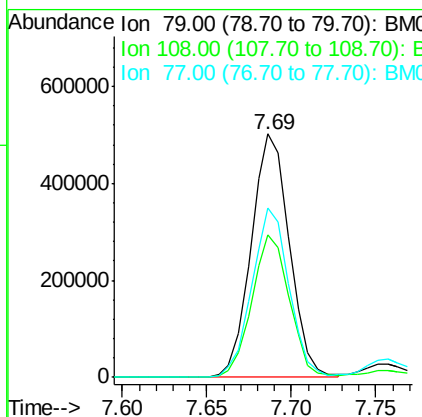
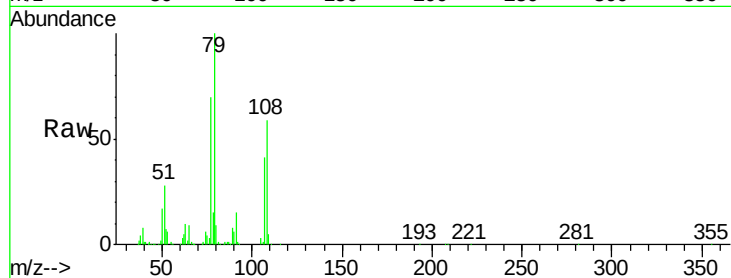




#15  
Benzyl Alcohol  
Concen: 43.976 ng  
RT: 7.69 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

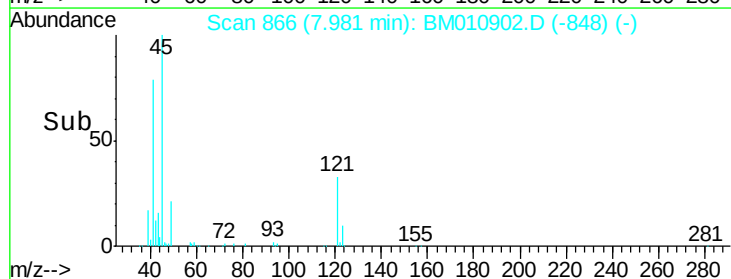
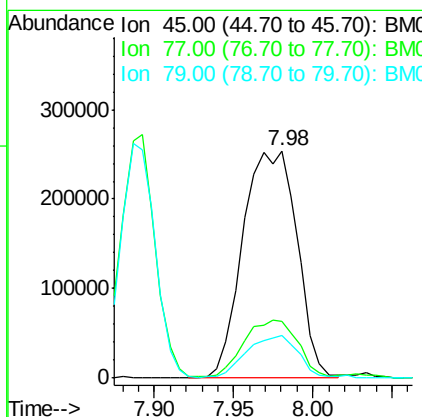
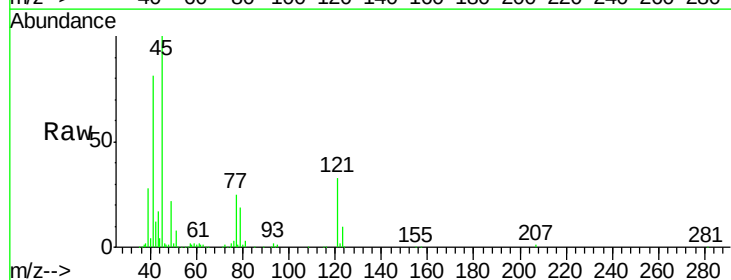
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

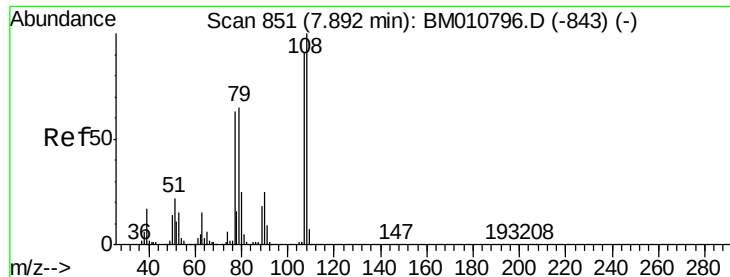
Tgt Ion: 79 Resp: 790467  
Ion Ratio Lower Upper  
79 100  
108 58.5 65.0 97.4#  
77 69.8 53.0 79.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.922 ng  
RT: 7.98 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion: 45 Resp: 602029  
Ion Ratio Lower Upper  
45 100  
77 25.2 0.0 35.2  
79 18.6 0.0 32.0





#17

2-Methylphenol

Concen: 46.119 ng

RT: 7.89 min Scan# 851

Delta R.T. 0.00 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

Tgt Ion:107 Resp: 598632

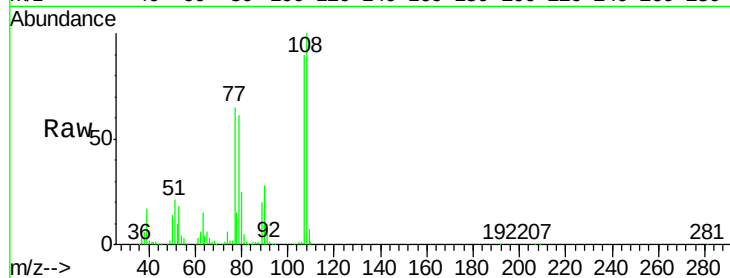
Ion Ratio Lower Upper

107 100

108 110.7 89.8 134.8

77 71.8 32.6 48.8#

79 67.4 32.8 49.2#



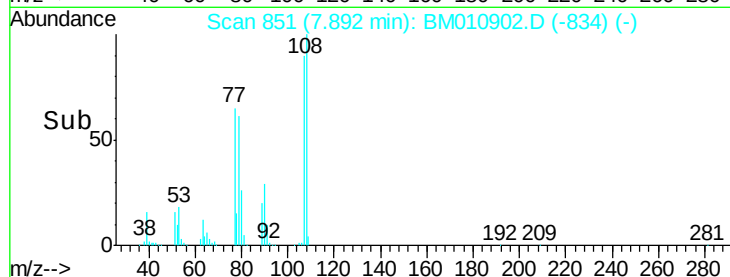
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM

Time-->



Abundance

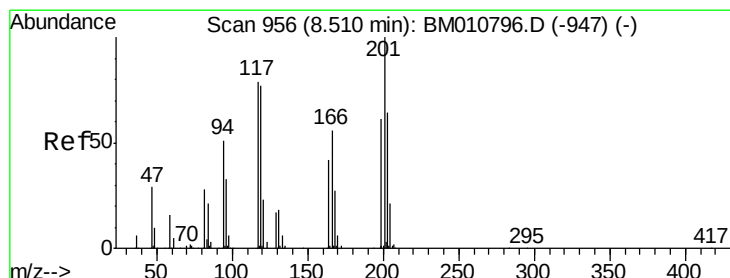
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM

Time-->



#18

Hexachloroethane

Concen: 38.774 ng

RT: 8.50 min Scan# 954

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

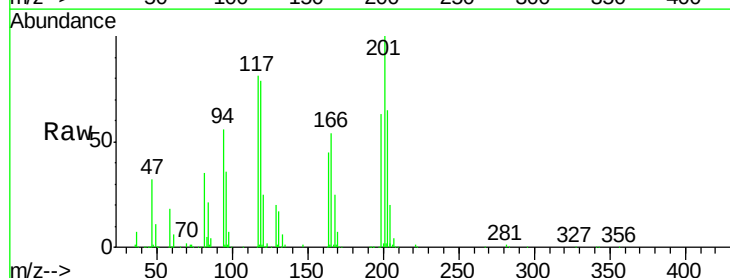
Tgt Ion:117 Resp: 282768

Ion Ratio Lower Upper

117 100

119 96.8 79.2 118.8

201 125.4 69.8 104.6#

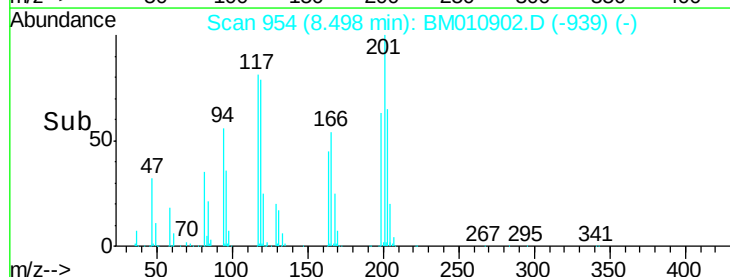


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->



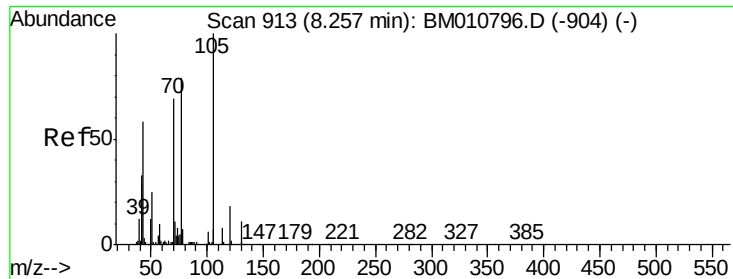
Abundance

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

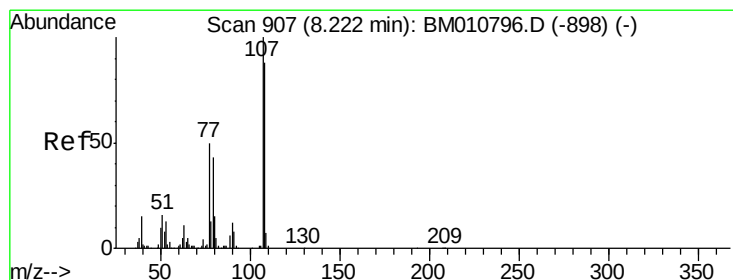
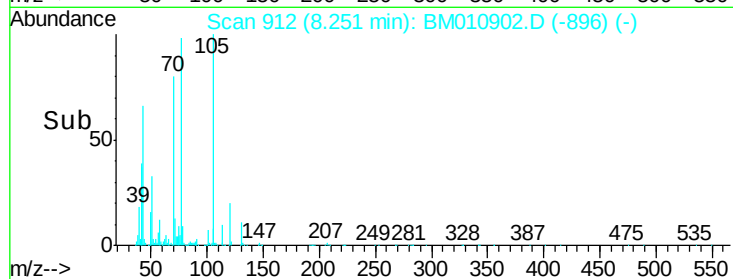
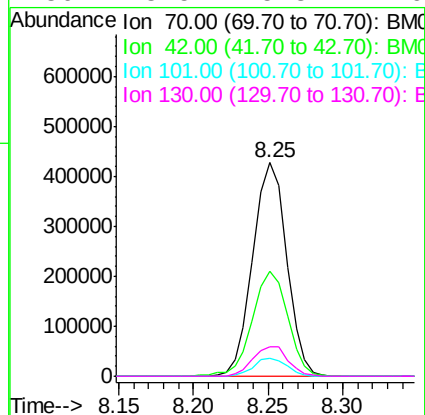
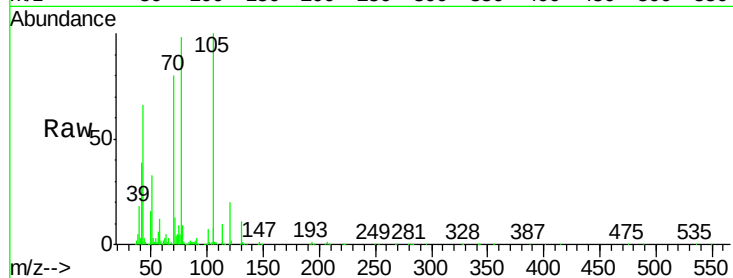
Time-->



#19  
n-Nitroso-di-n-propylamine  
Concen: 44.618 ng  
RT: 8.25 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

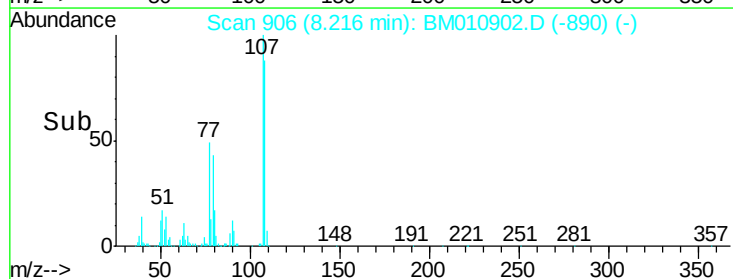
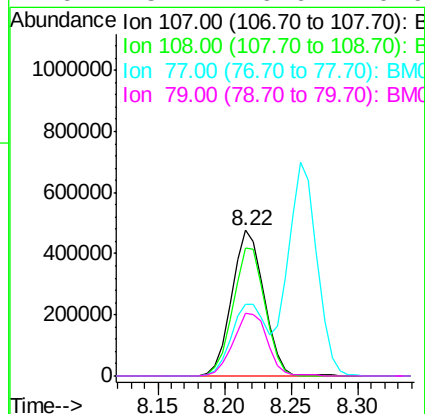
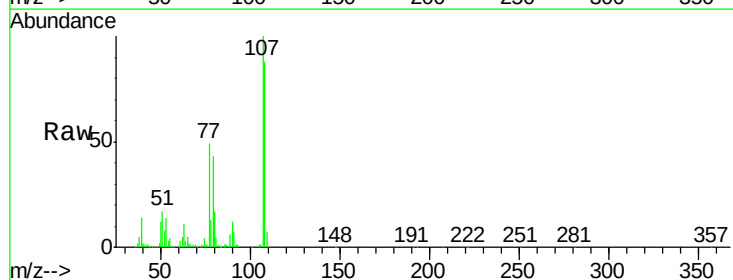
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

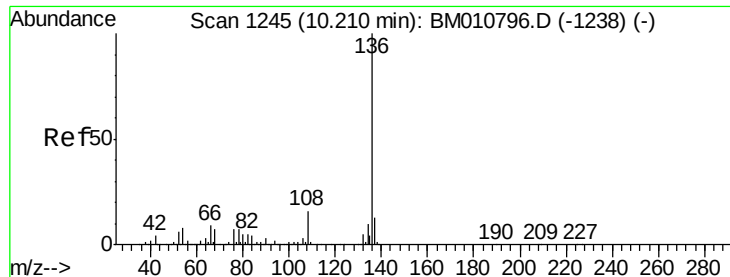
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 670918 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 49.4  | 44.5  | 66.7   |
| 101      | 8.6   | 7.4   | 11.2   |
| 130      | 13.5  | 15.3  | 22.9#  |



#20  
3+4-Methylphenols  
Concen: 44.534 ng  
RT: 8.22 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 803130 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.0  | 73.2  | 113.2  |
| 77       | 49.4  | 10.7  | 50.7   |
| 79       | 43.4  | 9.6   | 49.6   |

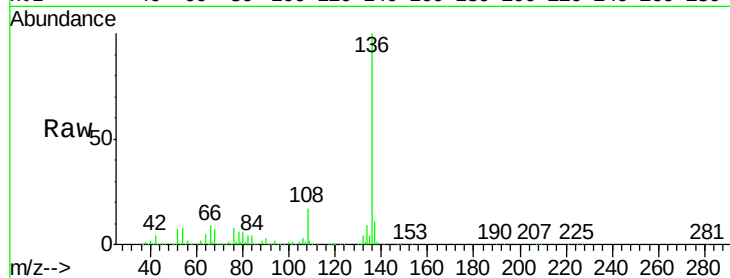




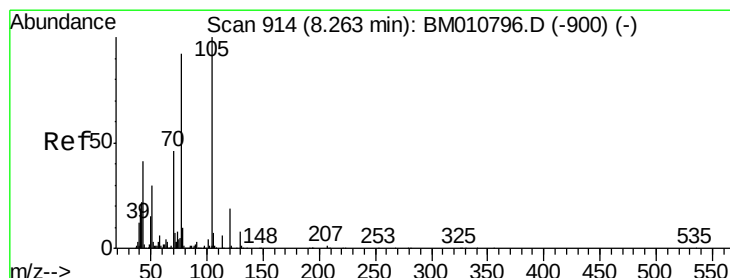
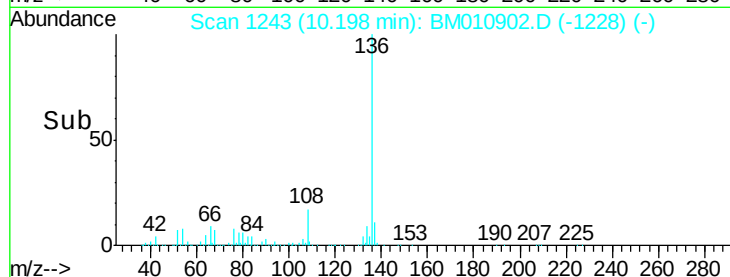
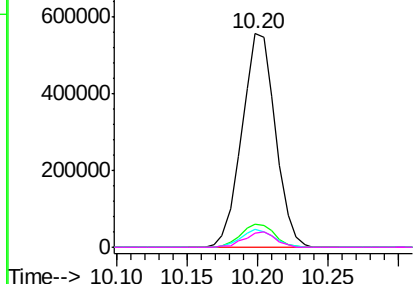
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.20 min Scan# 1243  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 926226 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.7   | 13.1   |
| 54       | 8.4   | 4.6   | 6.8#   |
| 68       | 6.8   | 3.7   | 5.5#   |

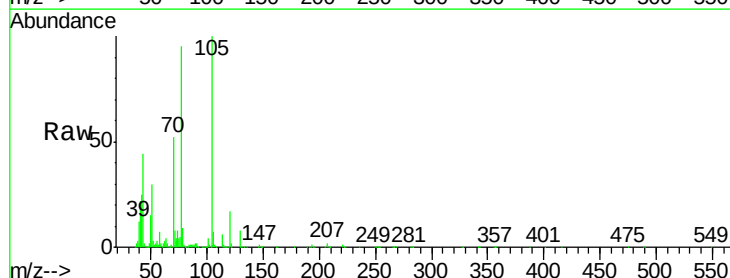


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM0  
Ion 68.00 (67.70 to 68.70): BM0

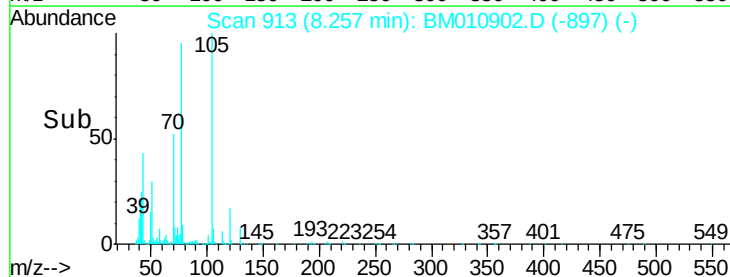
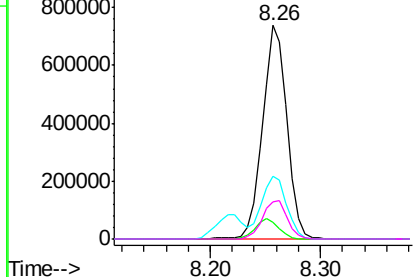


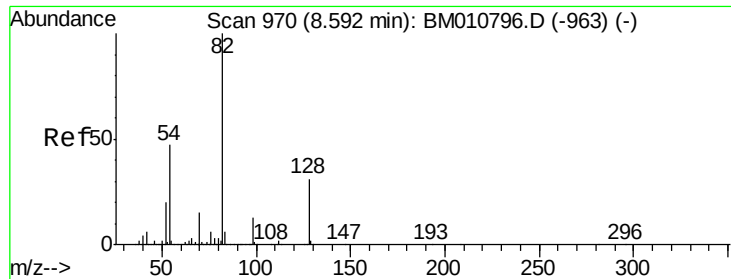
#22  
Acetophenone  
Concen: 40.867 ng  
RT: 8.26 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 1139692 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 71       | 7.7   | 0.6   | 1.0#    |
| 51       | 29.6  | 21.6  | 32.4    |
| 120      | 17.4  | 16.1  | 24.1    |



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

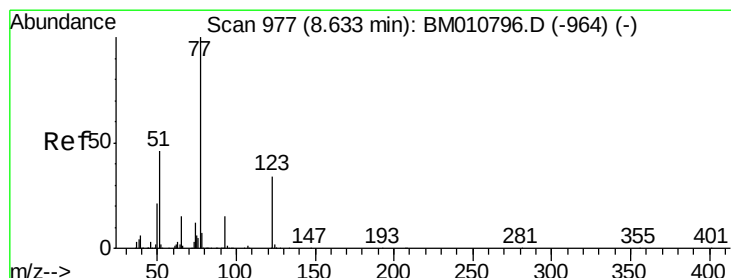
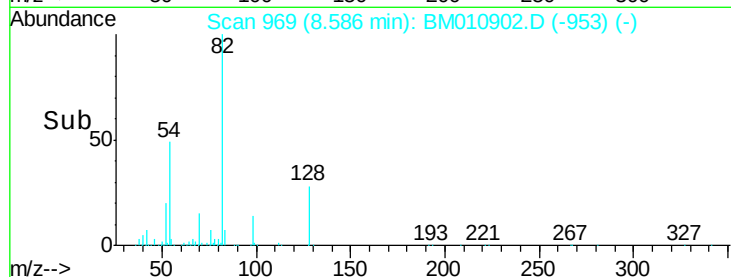
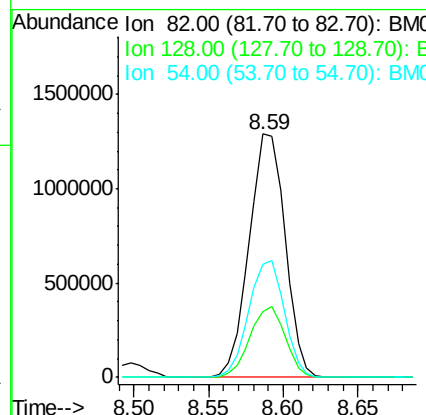
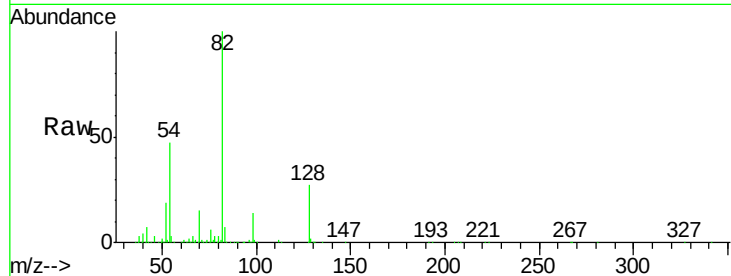




#23  
 Nitrobenzene-d5  
 Concen: 89.555 ng  
 RT: 8.59 min Scan# 969  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

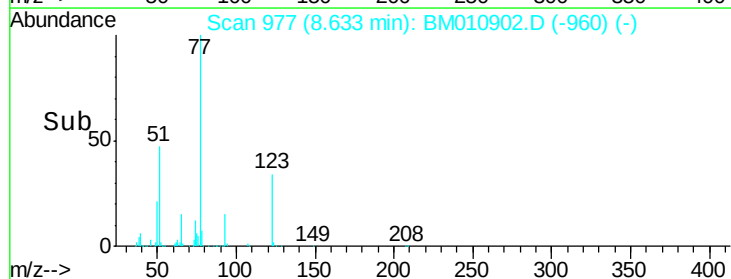
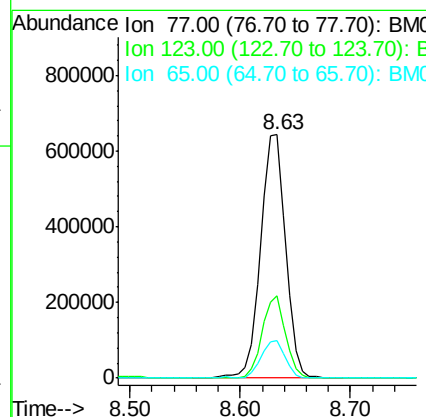
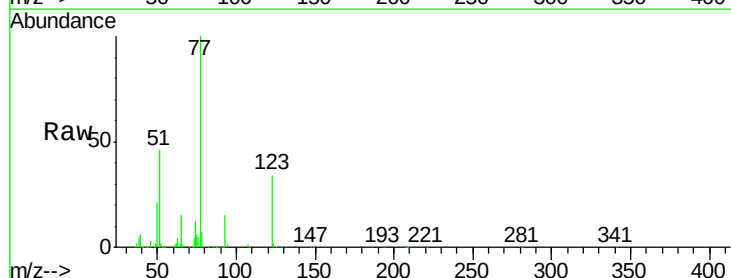
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

Tgt Ion: 82 Resp: 2157999  
 Ion Ratio Lower Upper  
 82 100  
 128 27.0 32.8 49.2#  
 54 46.6 40.6 60.8

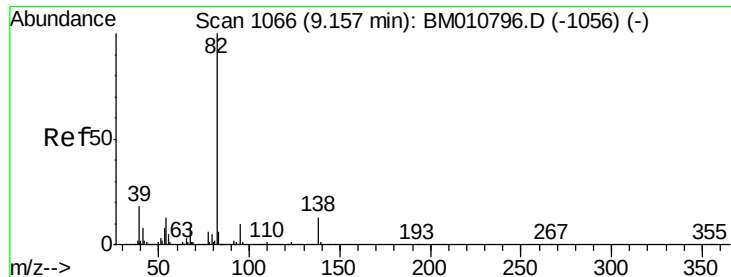


#24  
 Nitrobenzene  
 Concen: 41.527 ng  
 RT: 8.63 min Scan# 977  
 Delta R.T. -0.00 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion: 77 Resp: 1025536  
 Ion Ratio Lower Upper  
 77 100  
 123 33.7 32.6 49.0  
 65 15.2 10.9 16.3



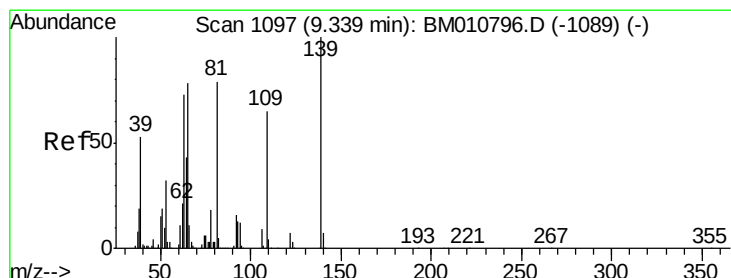
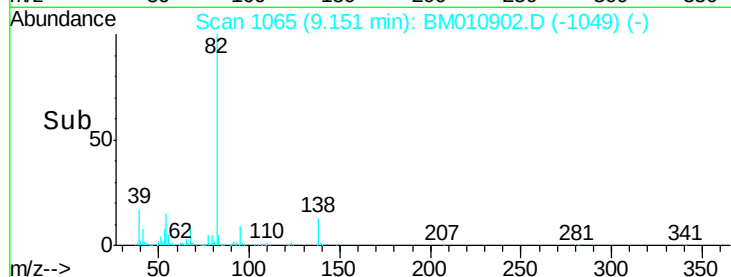
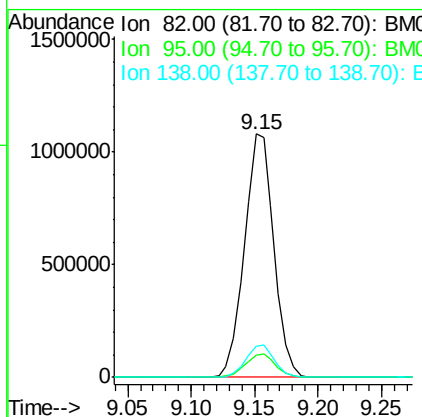
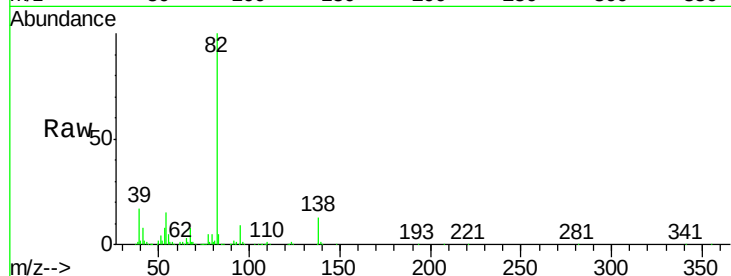




#25  
Isophorone  
Concen: 43.999 ng  
RT: 9.15 min Scan# 1065  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

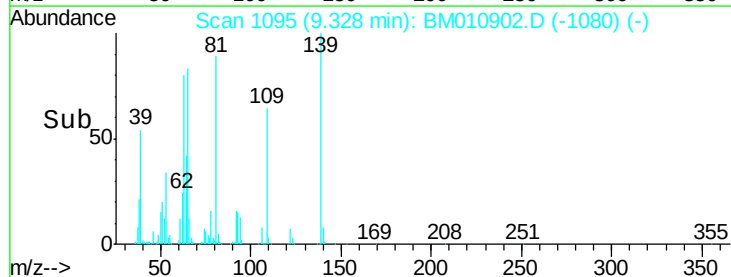
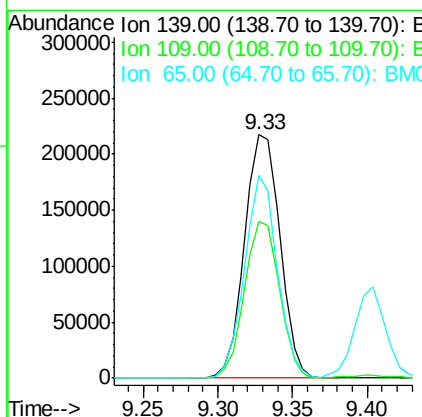
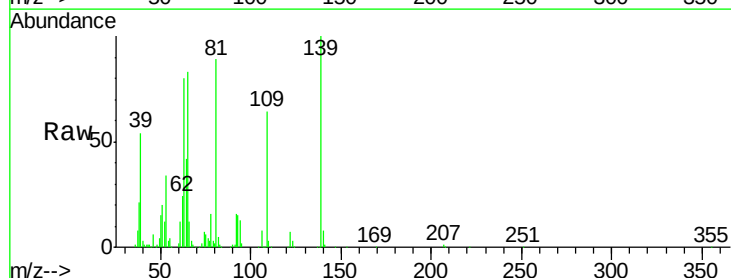
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

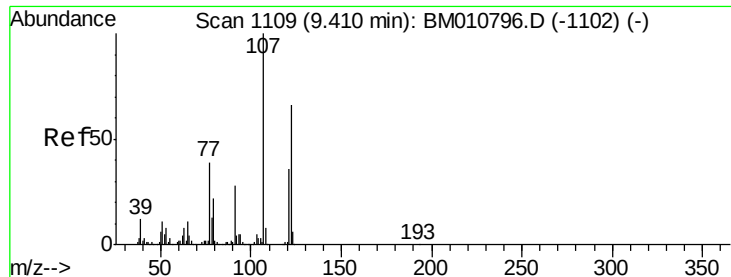
Tgt Ion: 82 Resp: 1736919  
Ion Ratio Lower Upper  
82 100  
95 8.9 5.8 8.6#  
138 12.9 16.3 24.5#



#26  
2-Nitrophenol  
Concen: 43.472 ng  
RT: 9.33 min Scan# 1095  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion: 139 Resp: 357235  
Ion Ratio Lower Upper  
139 100  
109 64.5 20.1 30.1#  
65 83.0 31.5 47.3#

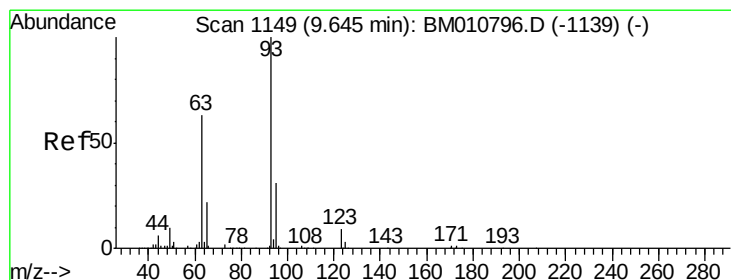
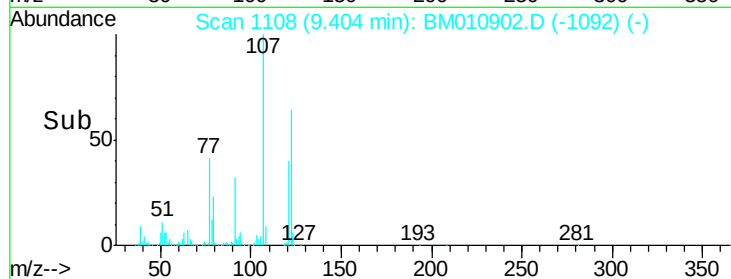
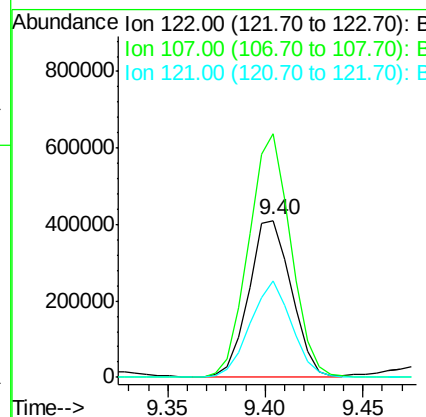
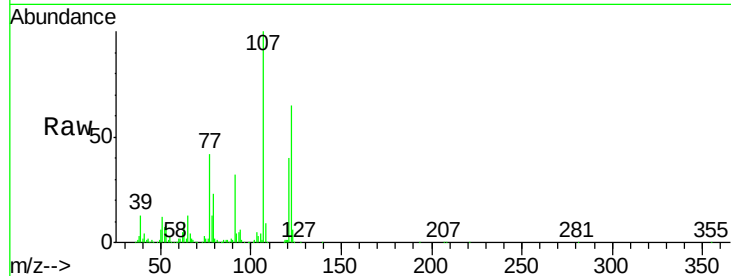




#27  
2,4-Dimethylphenol  
Concen: 42.641 ng  
RT: 9.40 min Scan# 1108  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

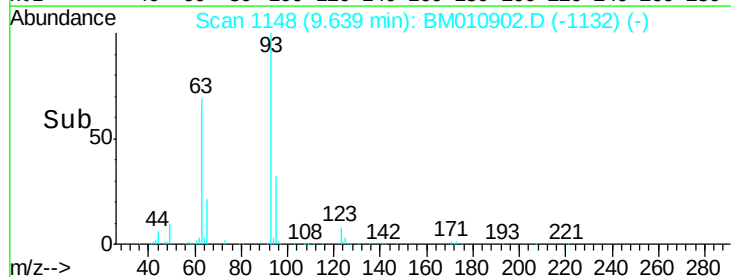
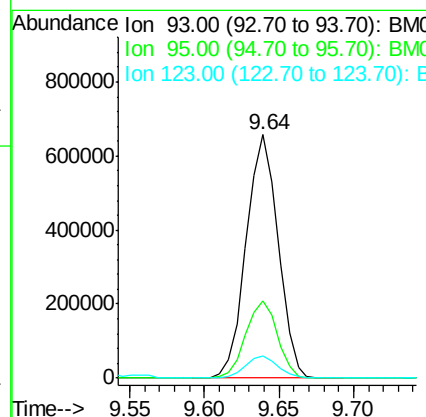
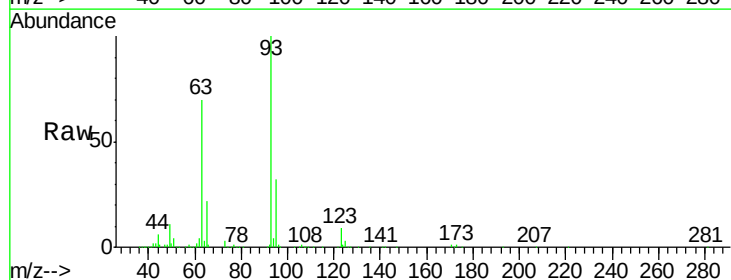
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

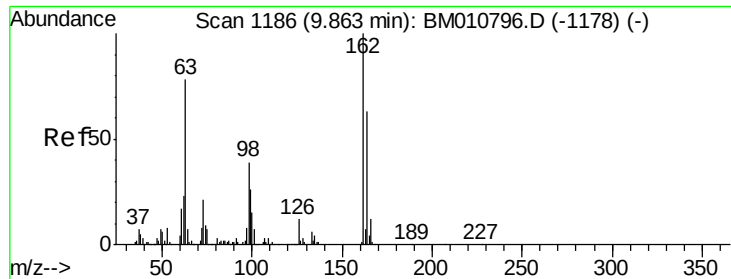
Tgt Ion:122 Resp: 625401  
Ion Ratio Lower Upper  
122 100  
107 154.9 84.7 127.1#  
121 61.7 46.6 69.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.056 ng  
RT: 9.64 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion: 93 Resp: 974936  
Ion Ratio Lower Upper  
93 100  
95 31.6 25.5 38.3  
123 9.2 8.6 13.0

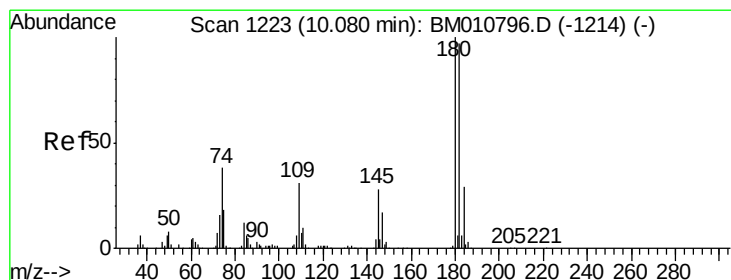
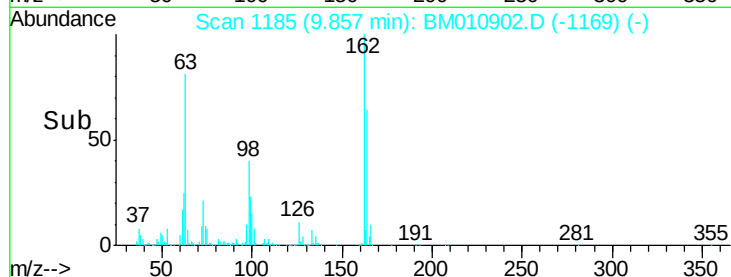
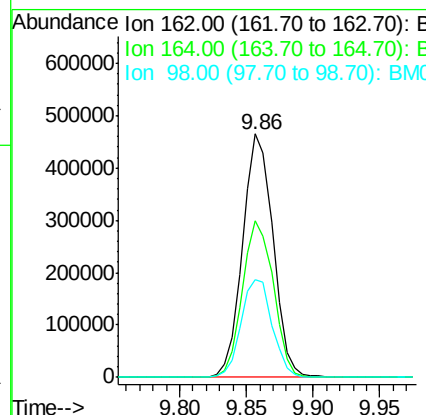
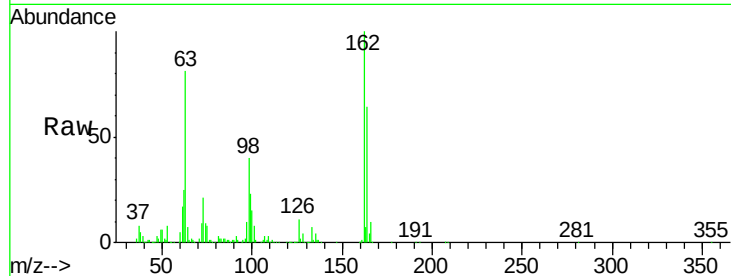




#29  
2,4-Dichlorophenol  
Concen: 44.304 ng  
RT: 9.86 min Scan# 1185  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

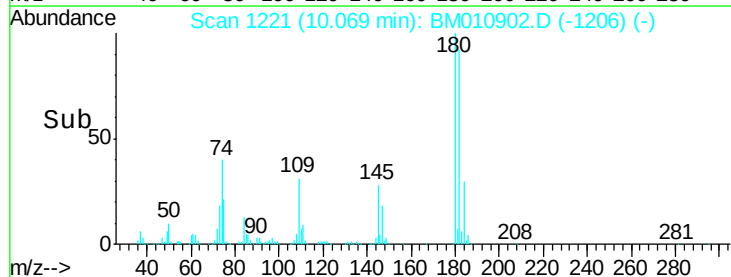
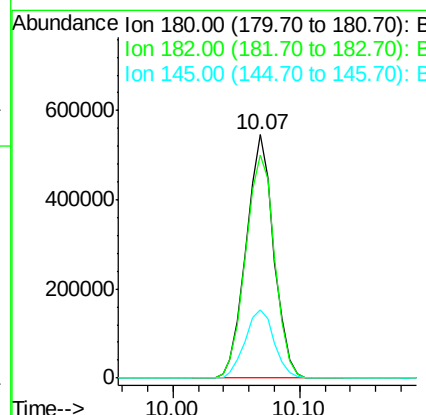
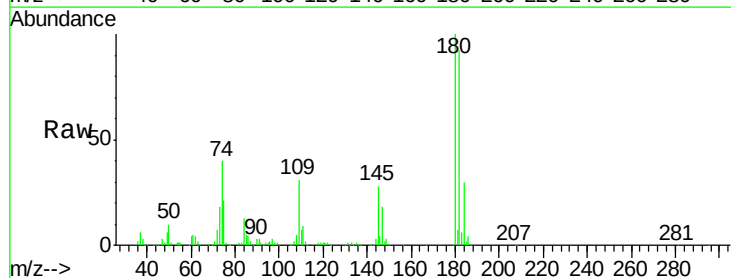
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

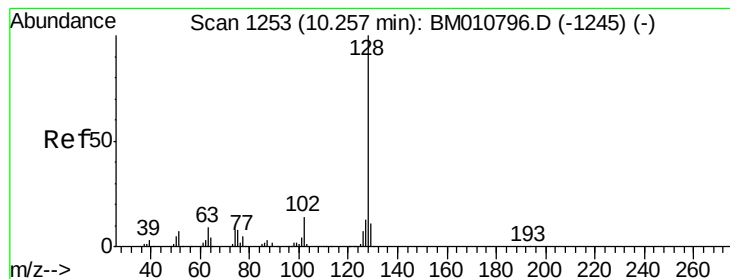
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.3  | 42.8  | 82.8  |
| 98      | 40.4  | 14.5  | 54.5  |



#30  
1,2,4-Trichlorobenzene  
Concen: 40.640 ng  
RT: 10.07 min Scan# 1221  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.5  | 77.6  | 116.4 |
| 145     | 28.0  | 23.4  | 35.2  |

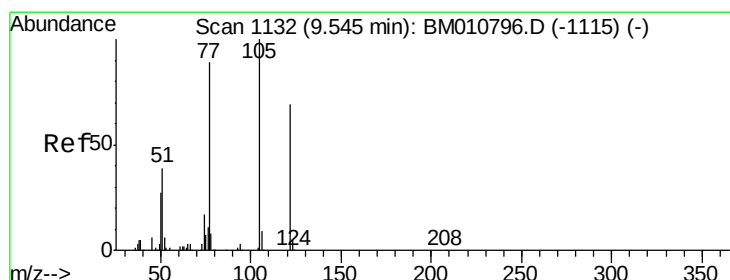
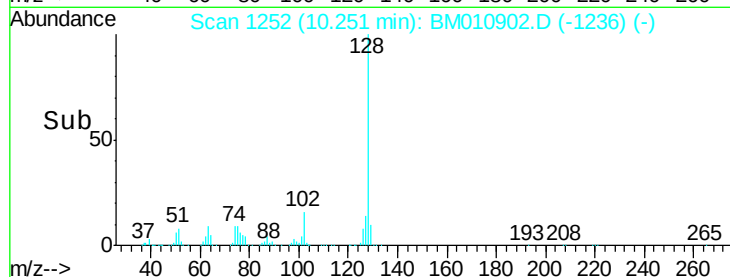
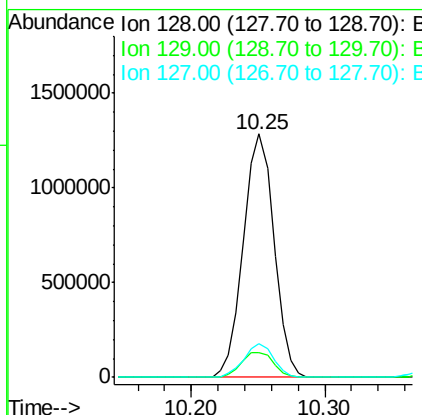
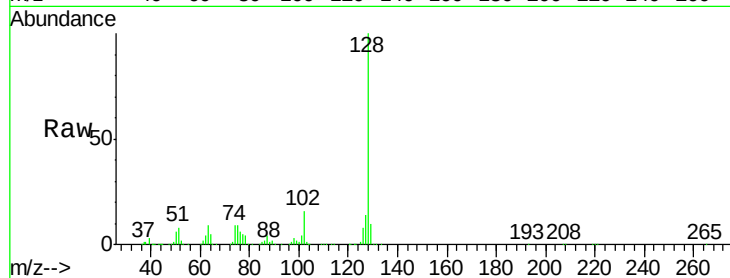




#31  
Naphthalene  
Concen: 43.343 ng  
RT: 10.25 min Scan# 1252  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

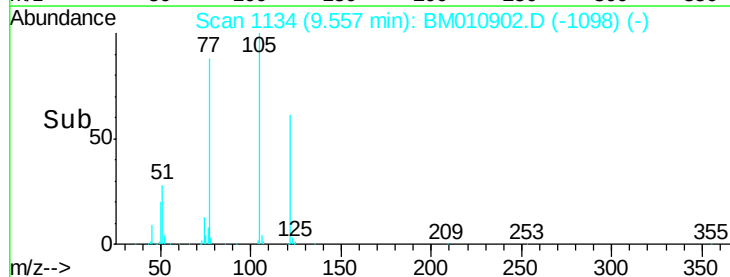
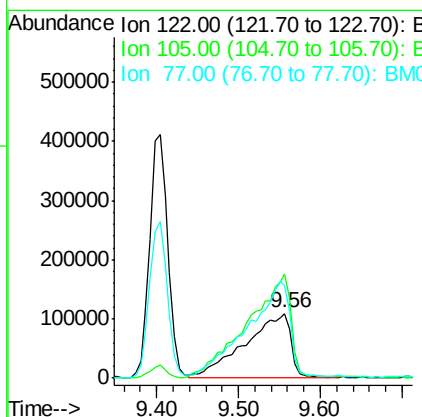
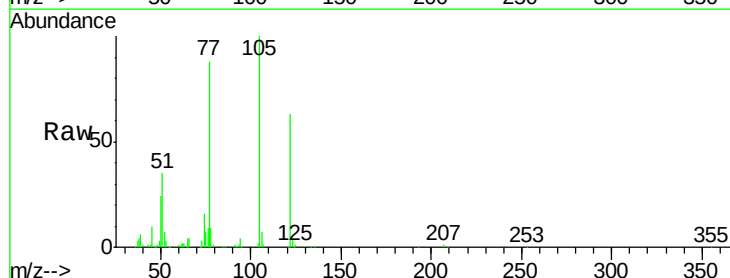
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

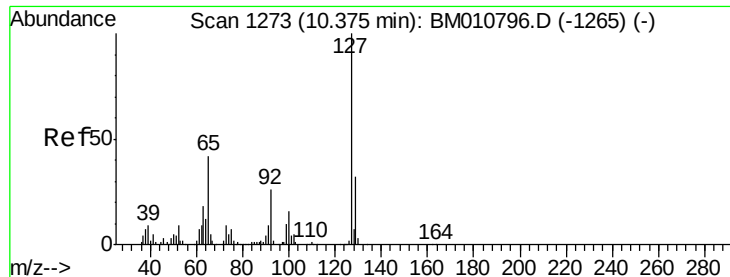
Tgt Ion:128 Resp: 2041285  
Ion Ratio Lower Upper  
128 100  
129 10.3 8.9 13.3  
127 13.9 10.4 15.6



#32  
Benzoic acid  
Concen: 36.863 ng  
RT: 9.56 min Scan# 1134  
Delta R.T. 0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion:122 Resp: 424201  
Ion Ratio Lower Upper  
122 100  
105 159.9 99.9 139.9#  
77 141.4 73.7 113.7#

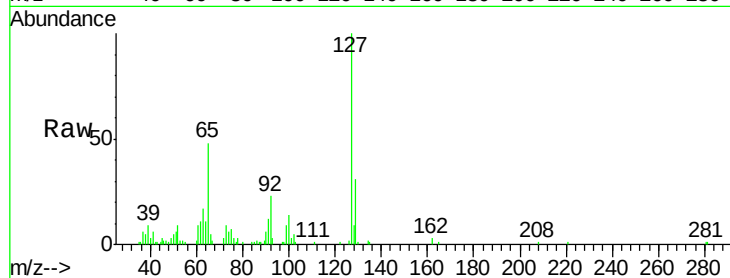




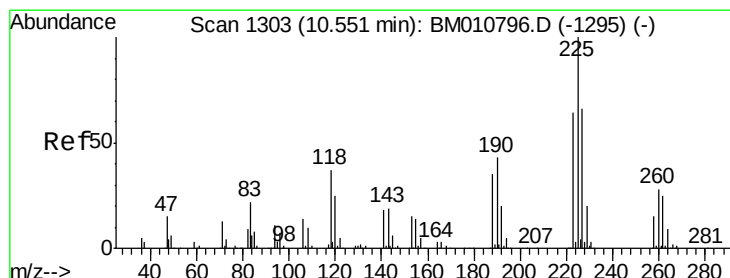
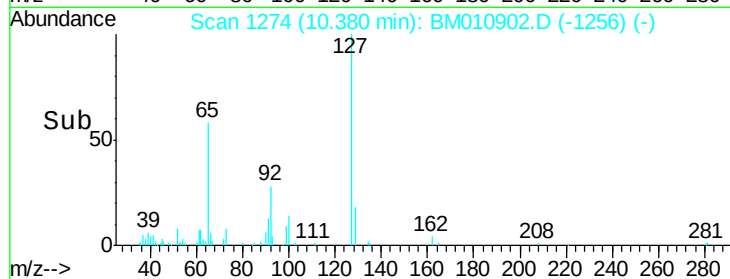
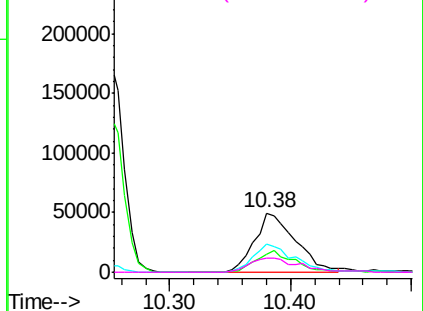
#33  
4-Chloroaniline  
Concen: 6.178 ng  
RT: 10.38 min Scan# 1274  
Delta R.T. 0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 117218 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 30.9  | 25.3  | 37.9   |
| 65       | 48.3  | 17.6  | 26.4#  |
| 92       | 22.9  | 13.1  | 19.7#  |

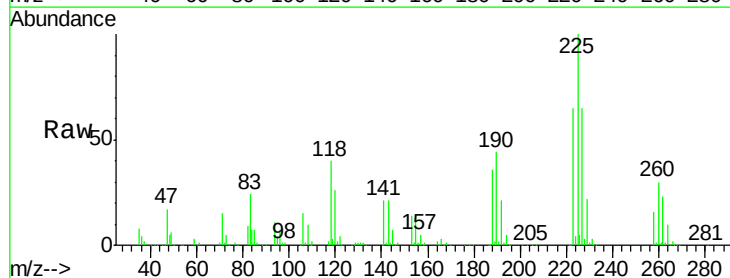


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

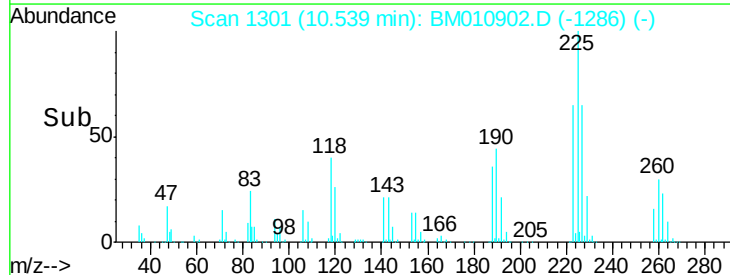
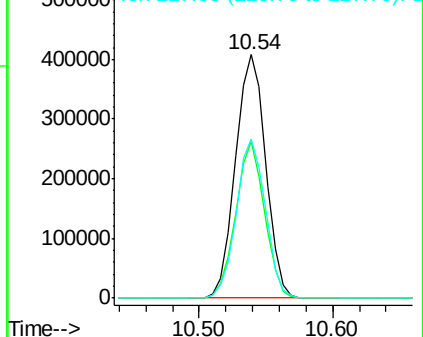


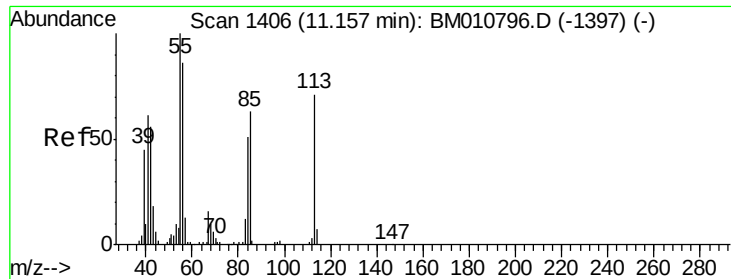
#34  
Hexachlorobutadiene  
Concen: 40.586 ng  
RT: 10.54 min Scan# 1301  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 637862 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.5  | 47.9  | 71.9   |
| 227      | 65.3  | 50.1  | 75.1   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 30.996 ng m

RT: 11.16 min Scan# 1407

Delta R.T. 0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

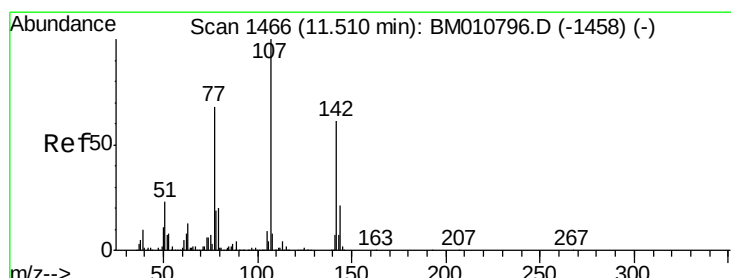
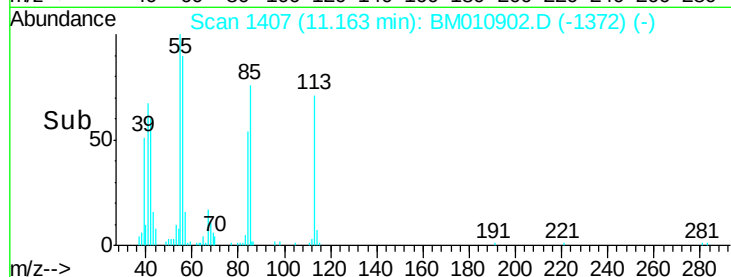
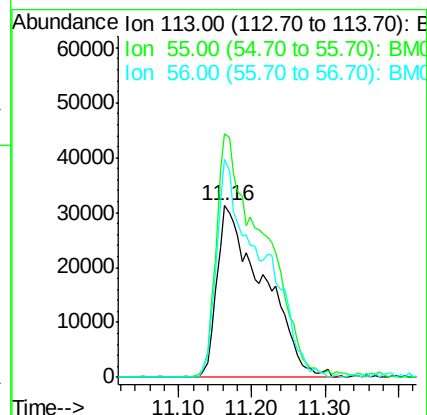
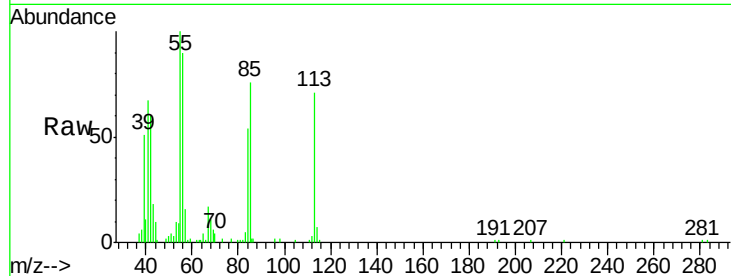
Tgt Ion:113 Resp: 136722

Ion Ratio Lower Upper

113 100

55 141.7 145.9 185.9#

56 127.2 101.0 141.0



#36

4-Chloro-3-methylphenol

Concen: 44.119 ng

RT: 11.50 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

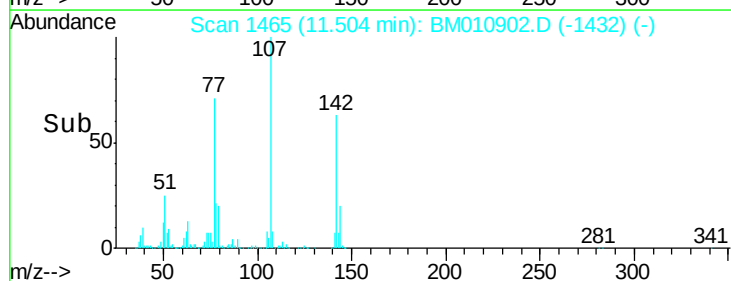
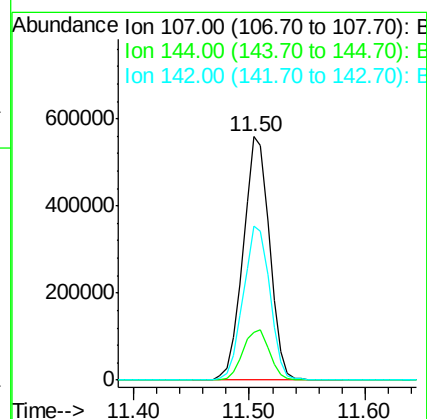
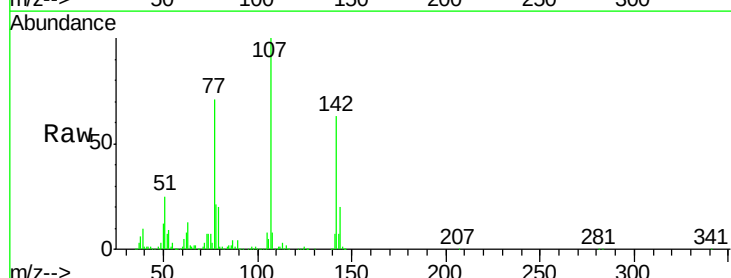
Tgt Ion:107 Resp: 884175

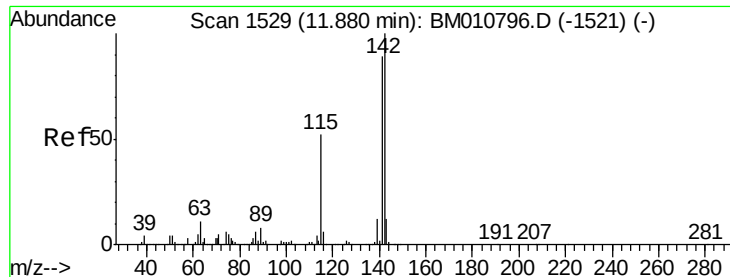
Ion Ratio Lower Upper

107 100

144 19.8 23.3 34.9#

142 63.2 72.6 109.0#

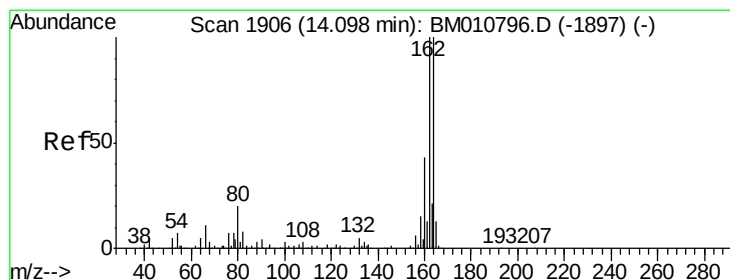
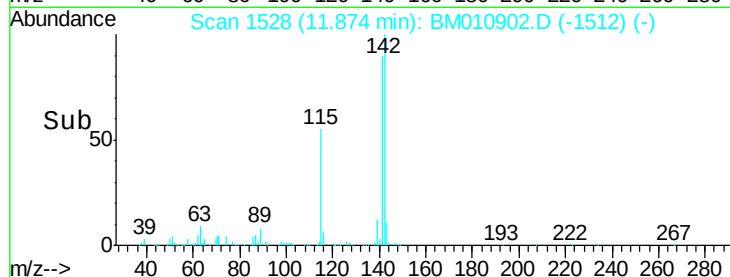
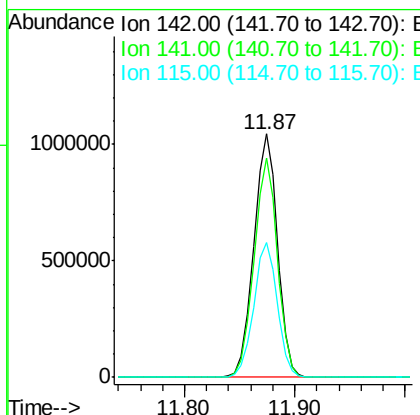
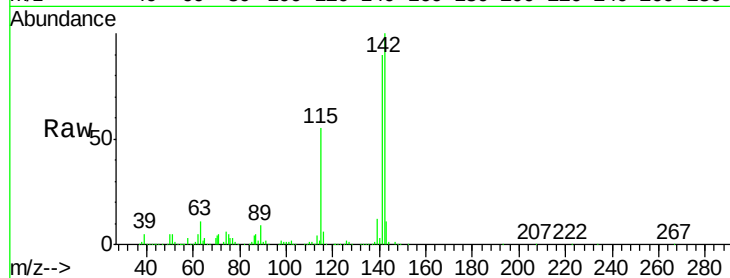




#37  
2-Methylnaphthalene  
Concen: 46.412 ng  
RT: 11.87 min Scan# 1528  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

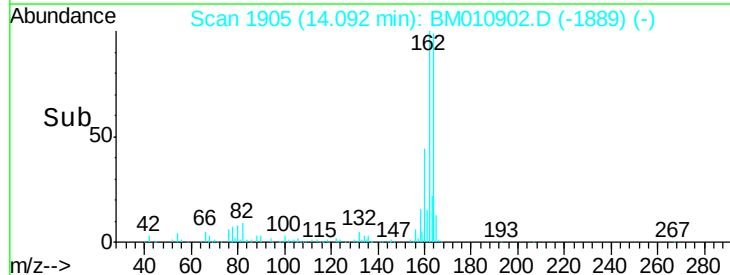
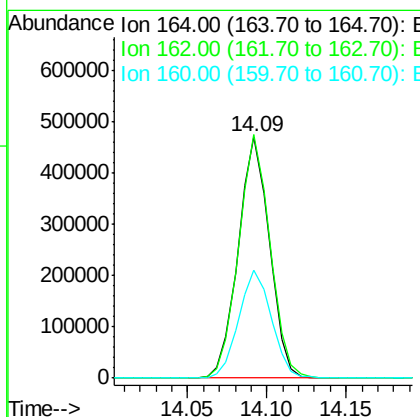
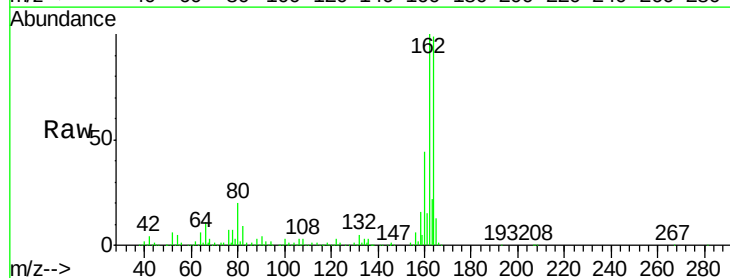
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

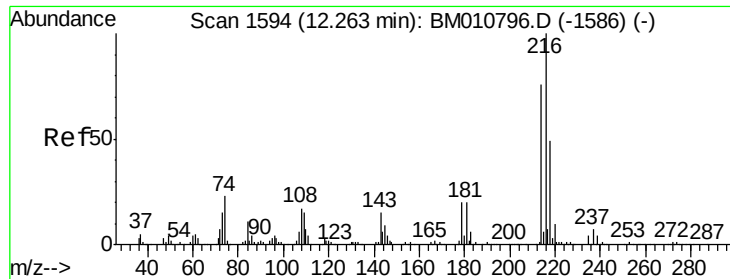
Tgt Ion:142 Resp: 1569983  
Ion Ratio Lower Upper  
142 100  
141 90.2 71.9 107.9  
115 55.3 25.4 38.0#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.09 min Scan# 1905  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion:164 Resp: 642901  
Ion Ratio Lower Upper  
164 100  
162 101.0 82.4 123.6  
160 44.9 35.8 53.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.434 ng

RT: 12.26 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

Tgt Ion:216 Resp: 1105073

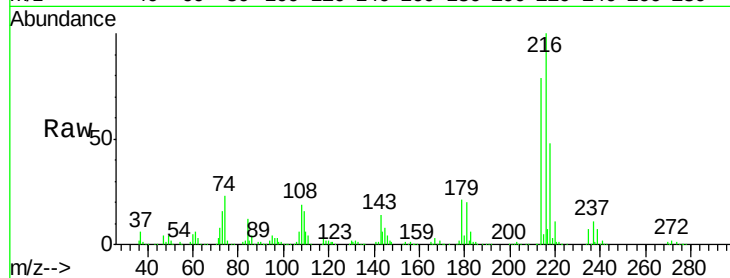
Ion Ratio Lower Upper

216 100

214 77.9 0.0 0.0#

179 20.2 0.0 0.0#

108 24.9 0.0 0.0#

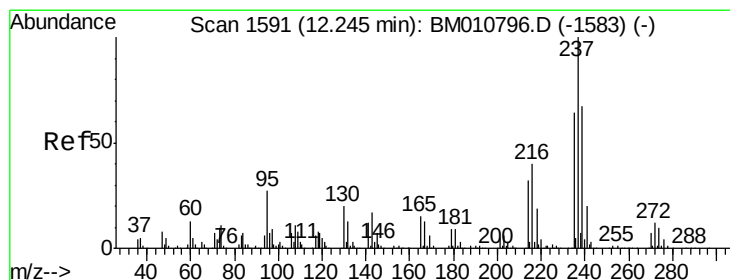
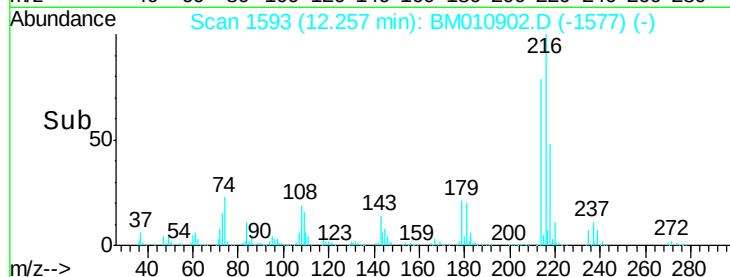
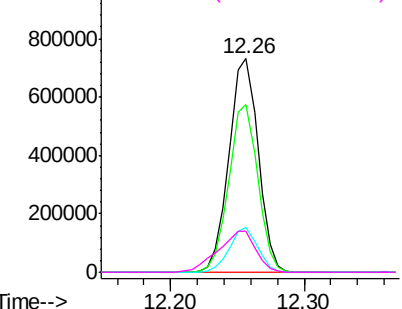


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 102.731 ng

RT: 12.23 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

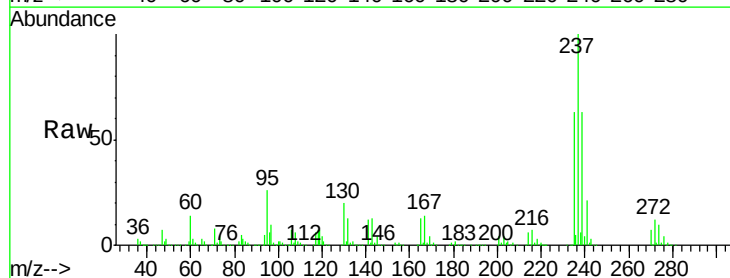
Tgt Ion:237 Resp: 1650330

Ion Ratio Lower Upper

237 100

235 62.7 42.0 82.0

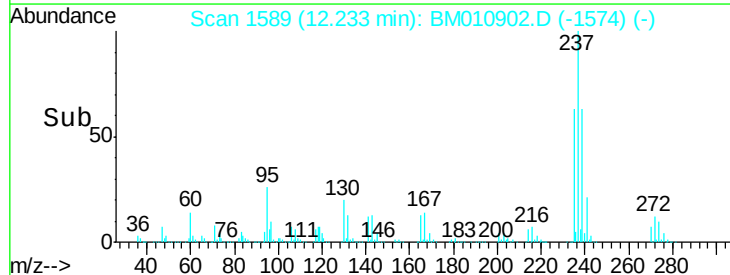
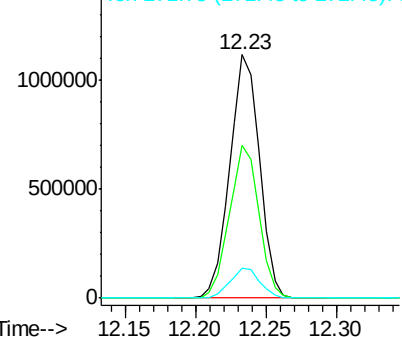
272 12.3 0.0 33.4



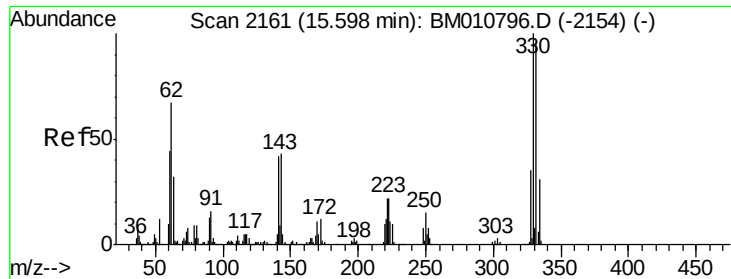
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



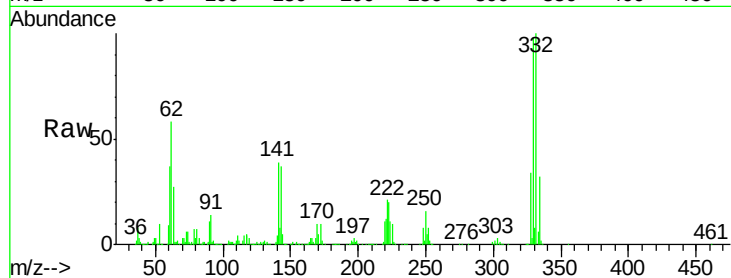




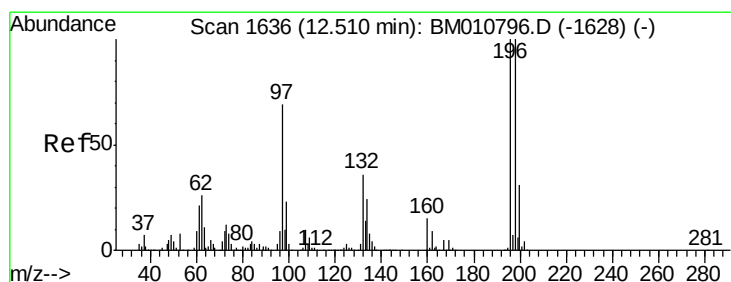
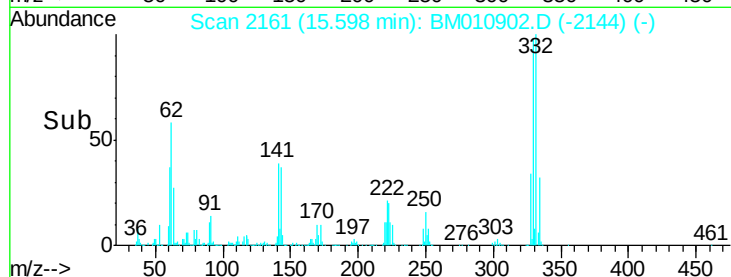
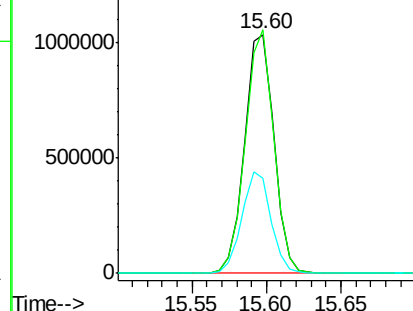
#41  
 2,4,6-Tribromophenol  
 Concen: 144.442 ng  
 RT: 15.60 min Scan# 2161  
 Delta R.T. 0.00 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

Tgt Ion:330 Resp: 1419104  
 Ion Ratio Lower Upper  
 330 100  
 332 98.4 0.0 0.0#  
 141 41.9 0.0 0.0#

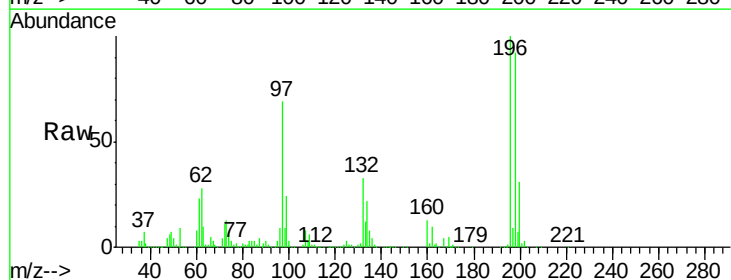


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

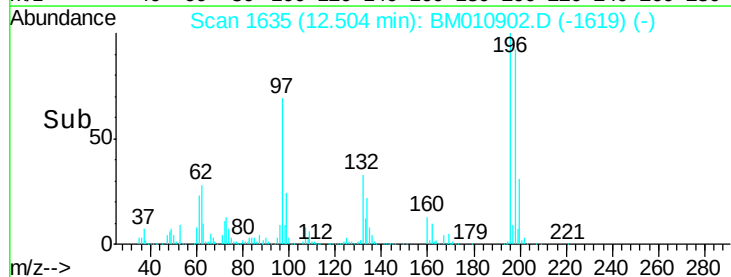
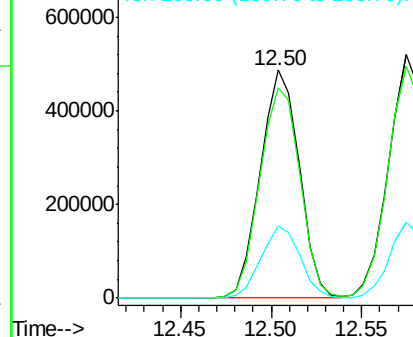


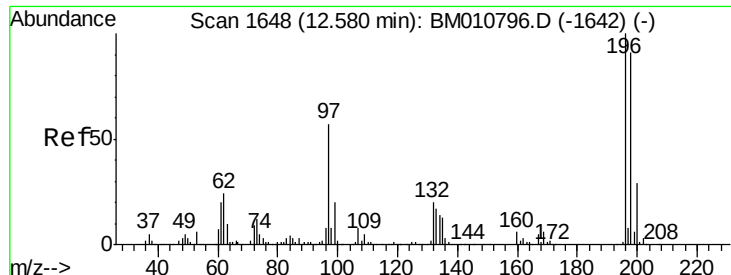
#42  
 2,4,6-Trichlorophenol  
 Concen: 42.343 ng  
 RT: 12.50 min Scan# 1635  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:196 Resp: 730660  
 Ion Ratio Lower Upper  
 196 100  
 198 91.9 76.3 114.5  
 200 31.4 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

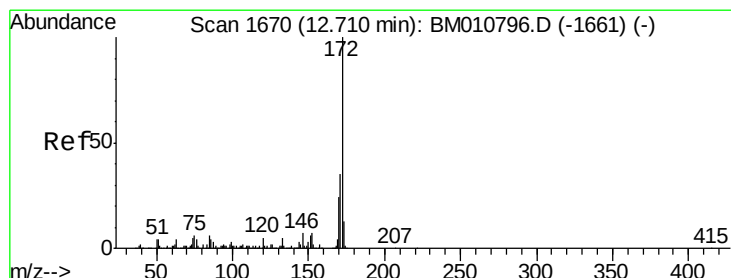
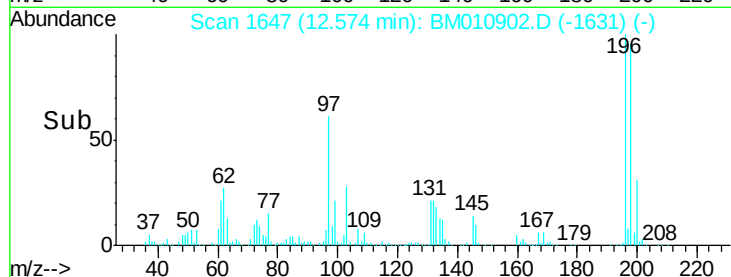
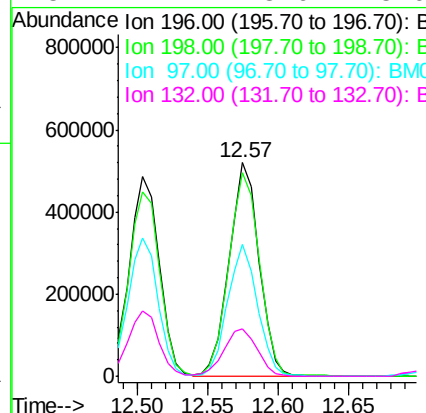
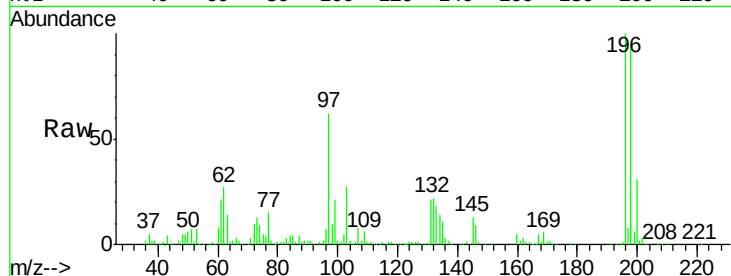




#43  
2,4,5-Trichlorophenol  
Concen: 44.949 ng  
RT: 12.57 min Scan# 1647  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

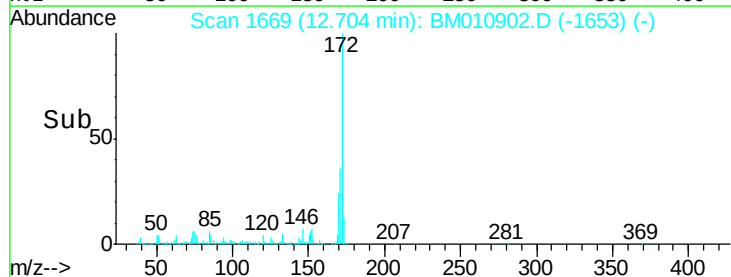
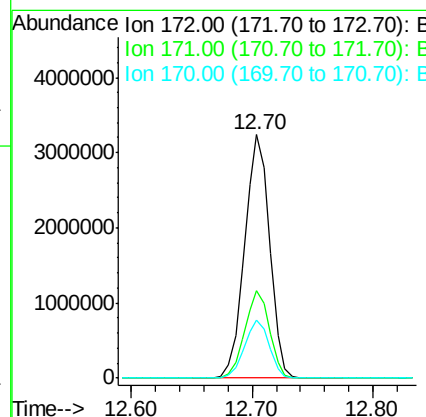
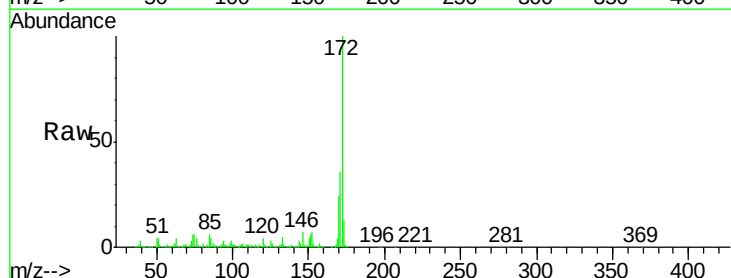
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

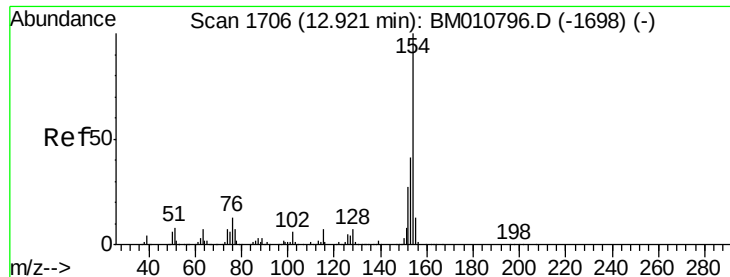
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 196   | Resp: | 765765 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 95.1  | 79.4  | 119.0  |
| 97       | 61.9  | 26.8  | 40.2#  |
| 132      | 22.1  | 18.6  | 28.0   |



#44  
2-Fluorobiphenyl  
Concen: 90.375 ng  
RT: 12.70 min Scan# 1669  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 4670502 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 35.8  | 28.5  | 42.7    |
| 170      | 23.8  | 18.8  | 28.2    |

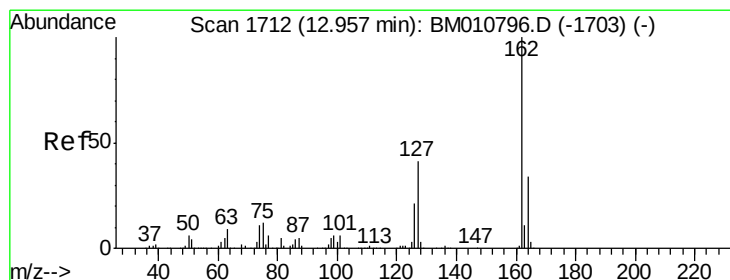
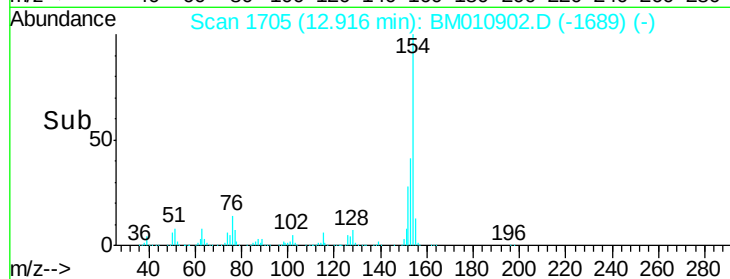
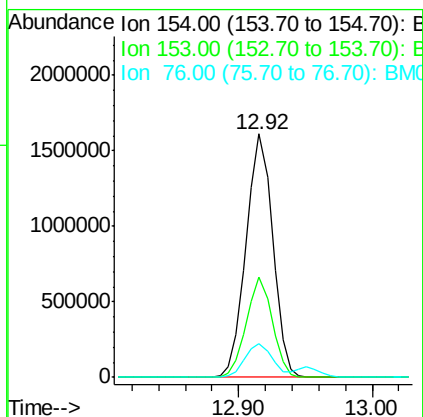
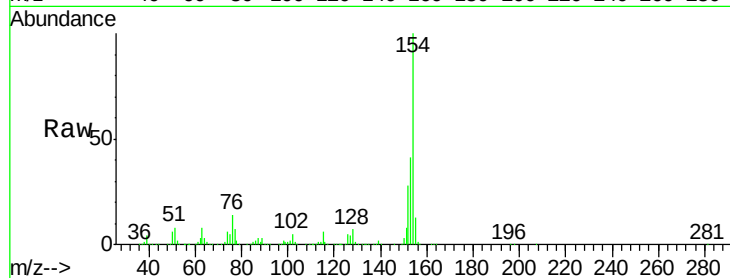




#45  
 1,1'-Biphenyl  
 Concen: 39.681 ng  
 RT: 12.92 min Scan# 1705  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

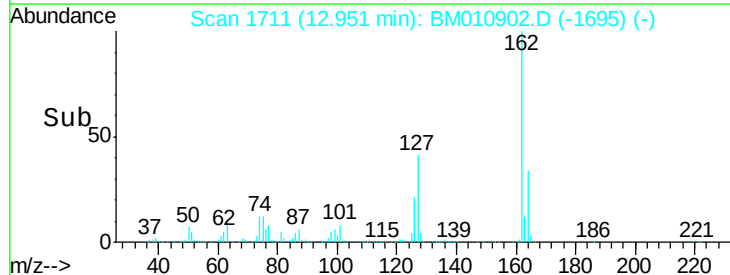
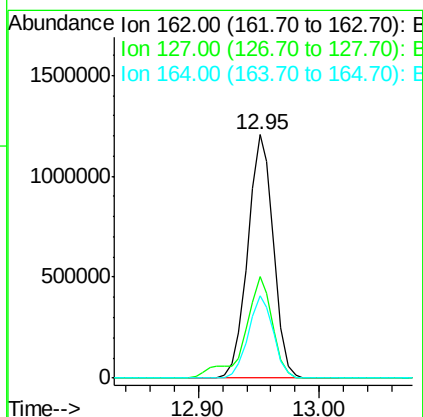
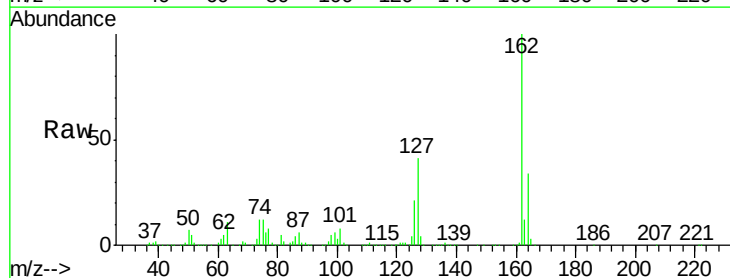
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

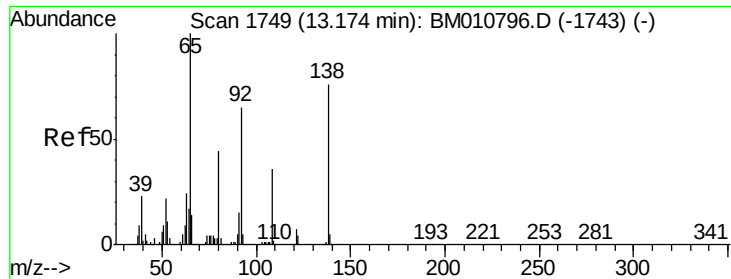
Tgt Ion:154 Resp: 2222512  
 Ion Ratio Lower Upper  
 154 100  
 153 41.1 20.7 60.7  
 76 14.0 0.0 30.9



#46  
 2-Chloronaphthalene  
 Concen: 43.234 ng  
 RT: 12.95 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:162 Resp: 1775577  
 Ion Ratio Lower Upper  
 162 100  
 127 41.5 26.9 40.3#  
 164 33.7 26.8 40.2





#47

2-Nitroaniline

Concen: 47.721 ng

RT: 13.17 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

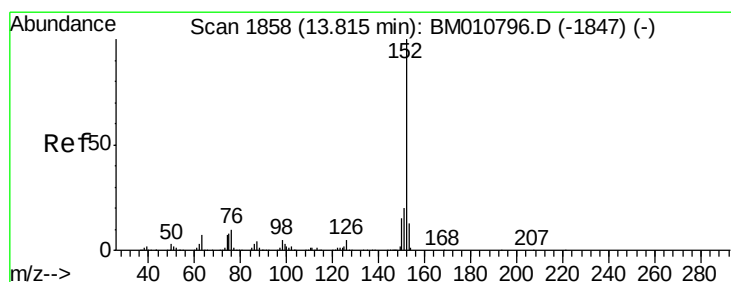
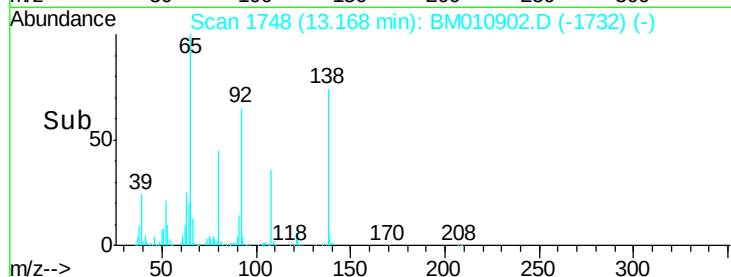
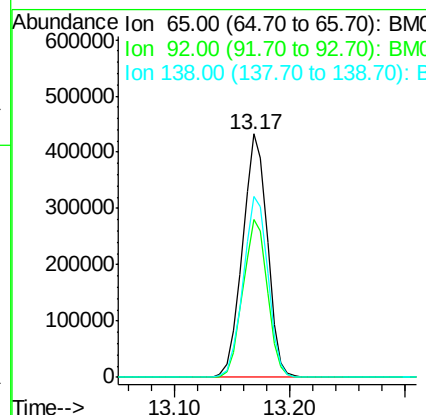
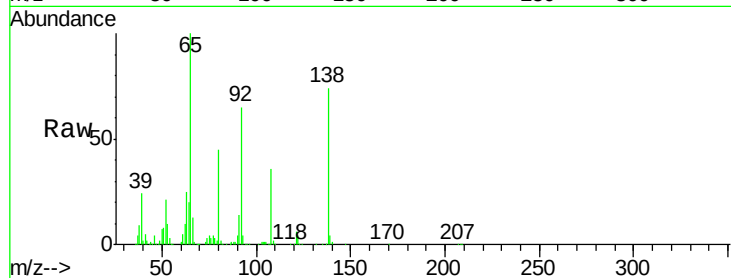
Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 644249 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 65.0  | 59.1  | 88.7   |
| 138      | 74.3  | 93.9  | 140.9# |



#48

Acenaphthylene

Concen: 43.484 ng

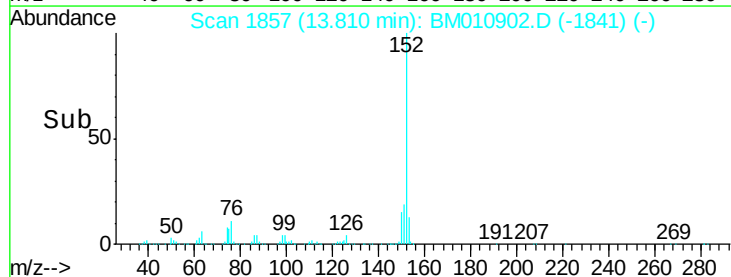
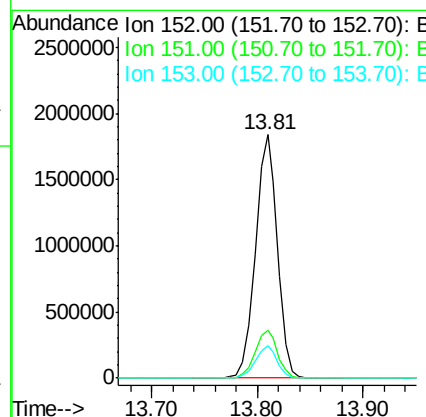
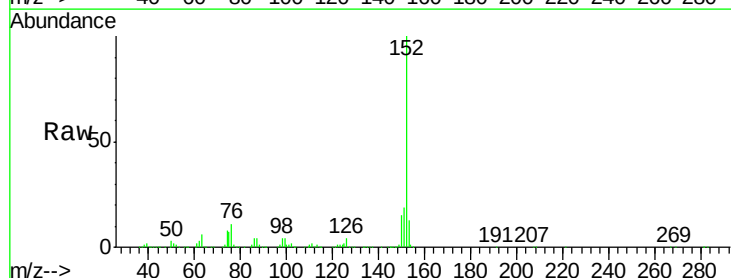
RT: 13.81 min Scan# 1857

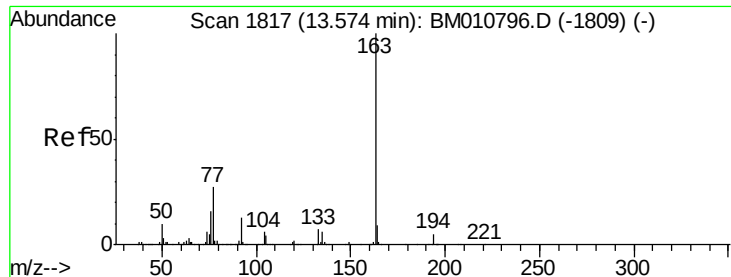
Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 152   | Resp: | 2656064 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 19.4  | 15.9  | 23.9    |
| 153      | 13.3  | 10.6  | 16.0    |





#49

Dimethylphthalate

Concen: 42.360 ng

RT: 13.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

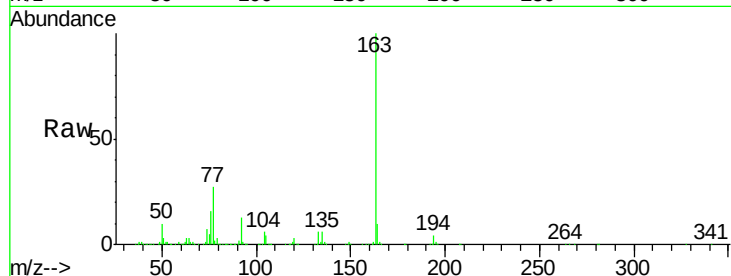
Tgt Ion:163 Resp: 2316829

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

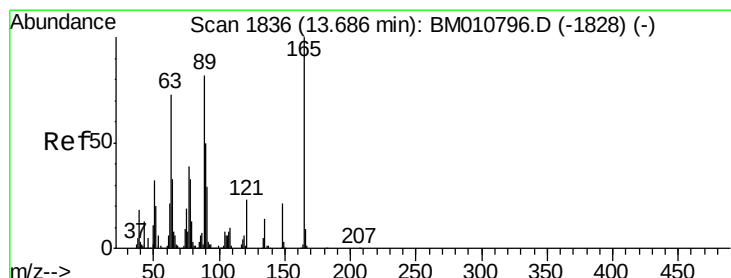
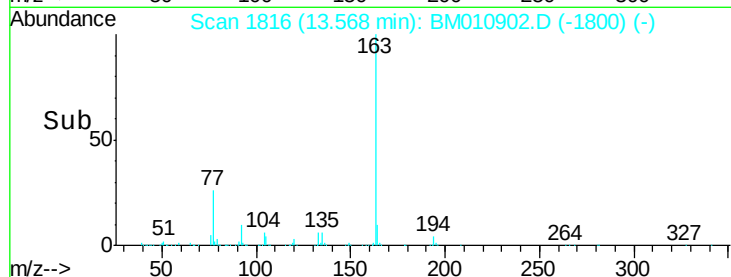
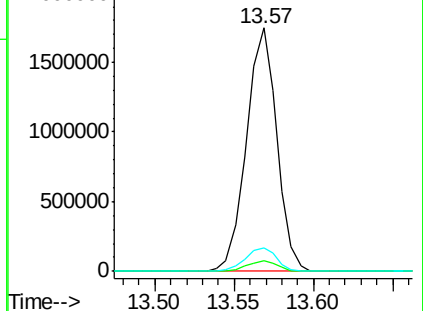
164 9.6 8.2 12.2



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: 44.875 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

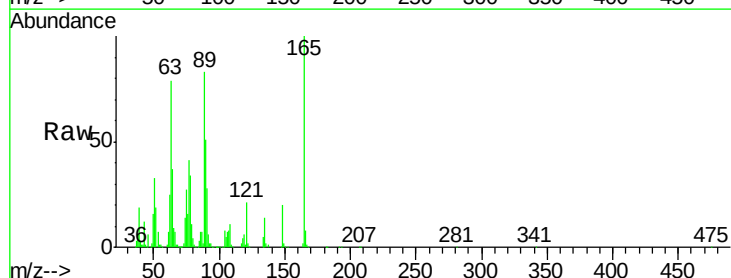
Tgt Ion:165 Resp: 481417

Ion Ratio Lower Upper

165 100

63 78.9 44.1 66.1#

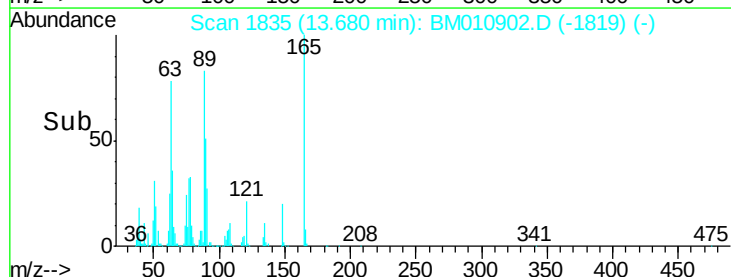
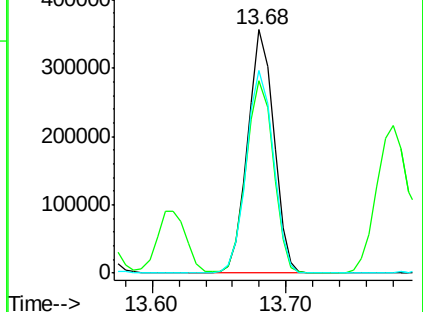
89 83.1 44.3 66.5#

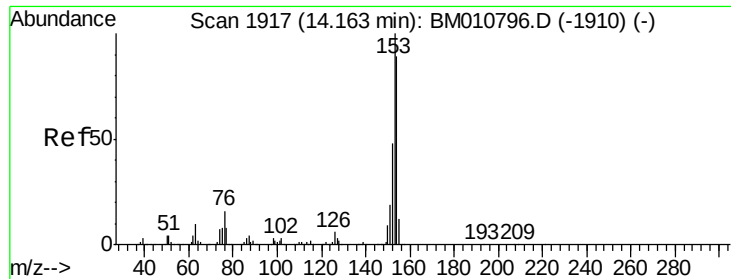


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 43.336 ng

RT: 14.16 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

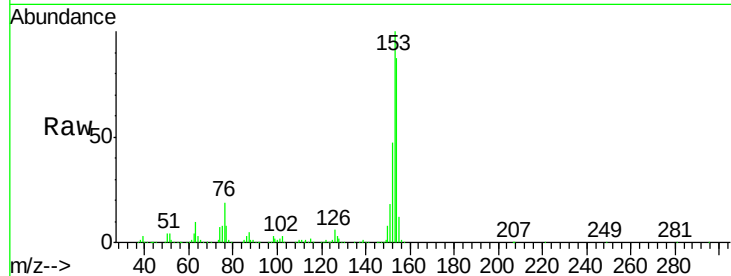
Tgt Ion:154 Resp: 1617449

Ion Ratio Lower Upper

154 100

153 114.7 90.0 135.0

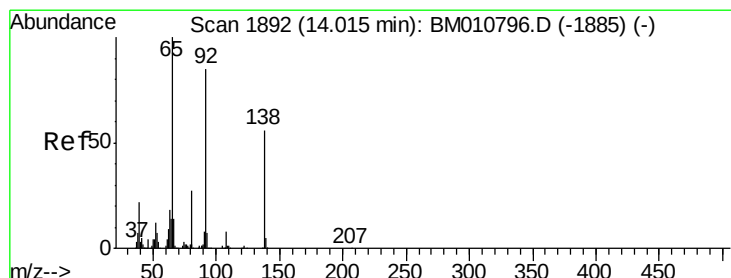
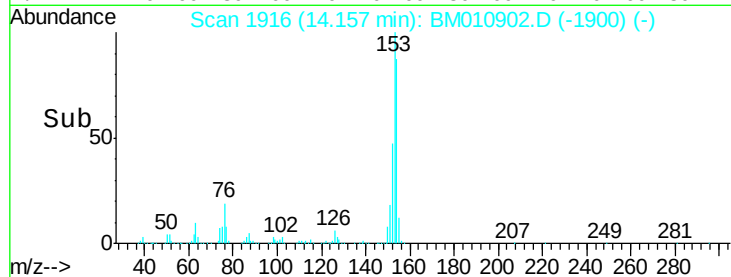
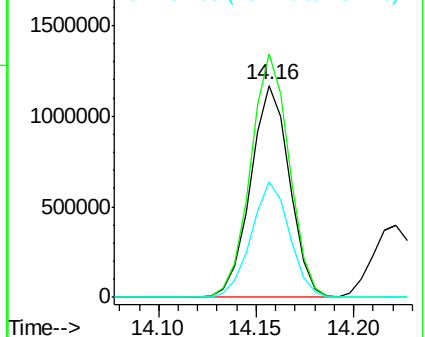
152 54.2 42.6 63.8



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: 29.852 ng

RT: 14.01 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

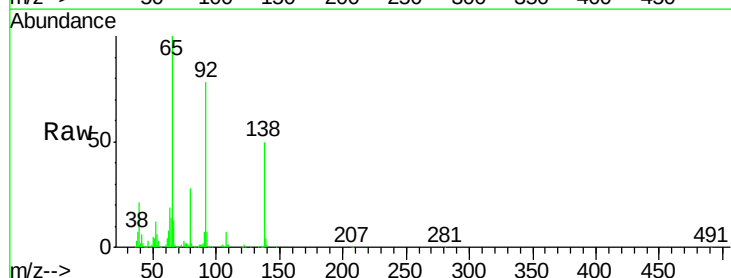
Tgt Ion:138 Resp: 291134

Ion Ratio Lower Upper

138 100

108 15.0 7.3 10.9#

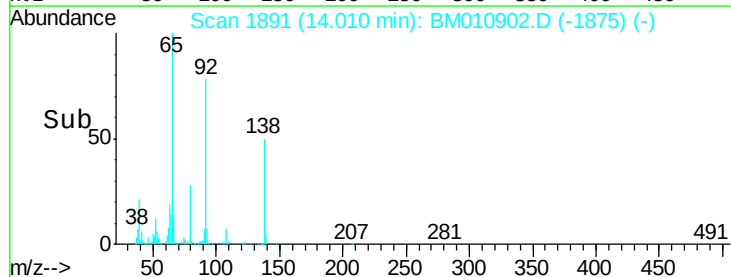
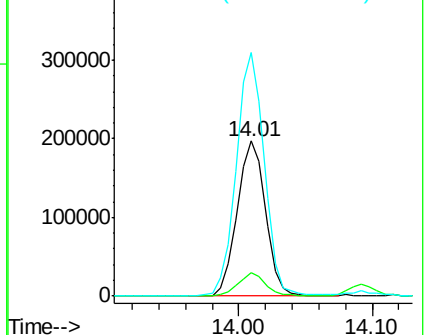
92 157.4 76.6 114.8#

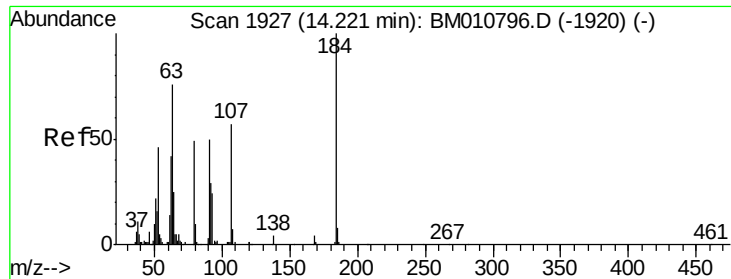


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

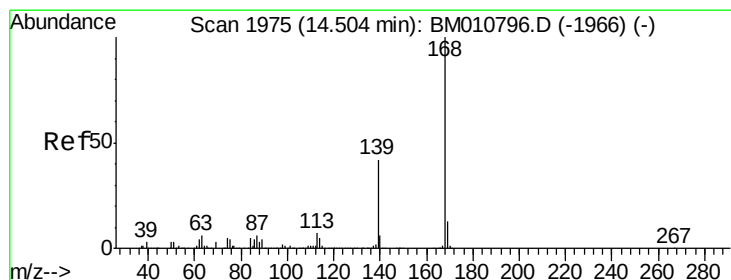
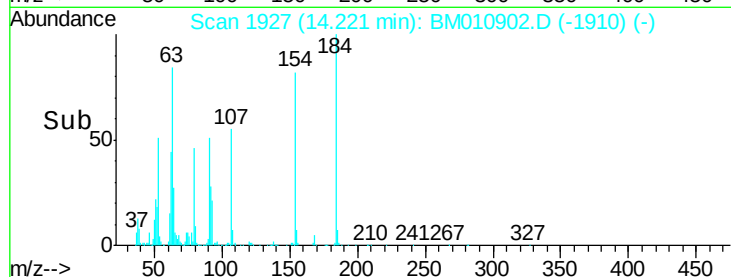
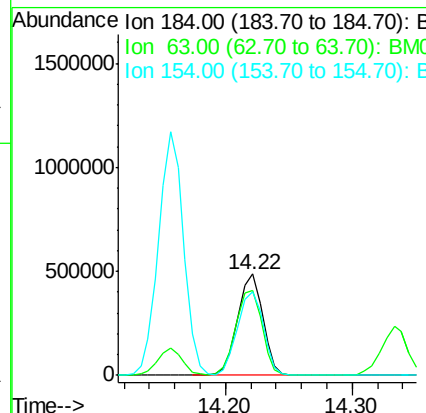
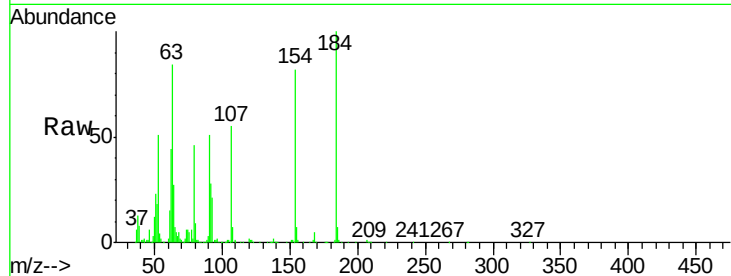




#53  
 2,4-Dinitrophenol  
 Concen: 90.818 ng  
 RT: 14.22 min Scan# 1927  
 Delta R.T. 0.00 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

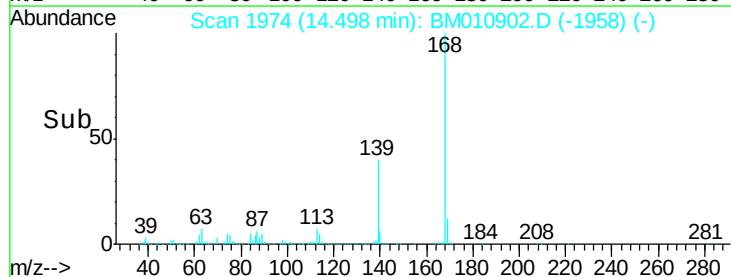
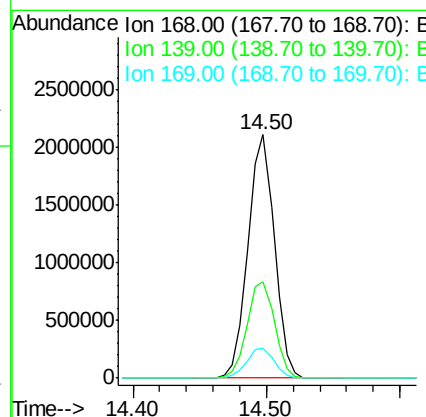
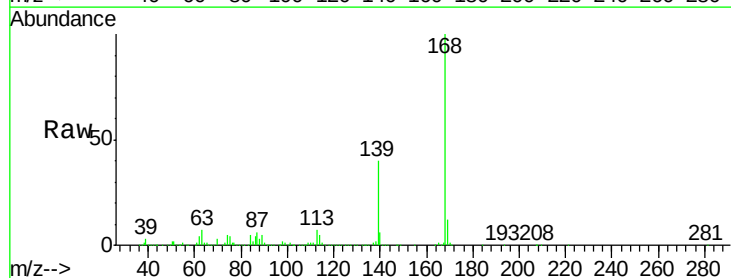
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

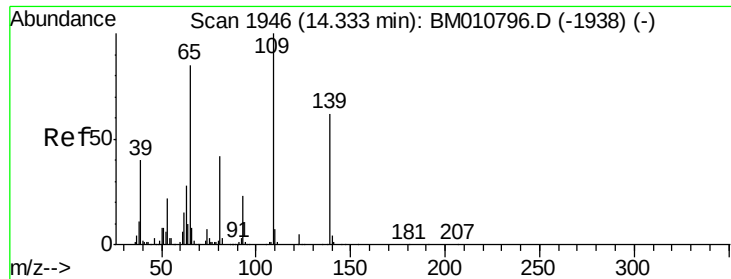
Tgt Ion:184 Resp: 673507  
 Ion Ratio Lower Upper  
 184 100  
 63 84.5 69.2 103.8  
 154 82.4 53.3 79.9#



#54  
 Dibenzofuran  
 Concen: 47.334 ng  
 RT: 14.50 min Scan# 1974  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:168 Resp: 2857773  
 Ion Ratio Lower Upper  
 168 100  
 139 39.7 27.3 40.9  
 169 12.4 10.6 16.0

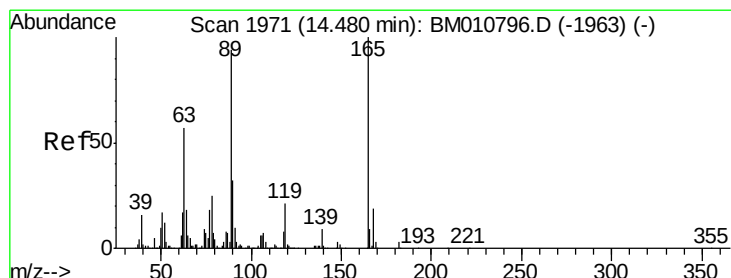
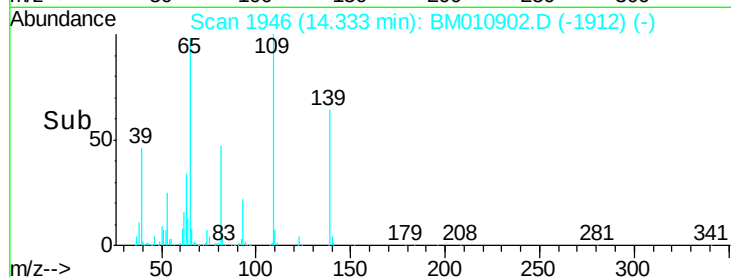
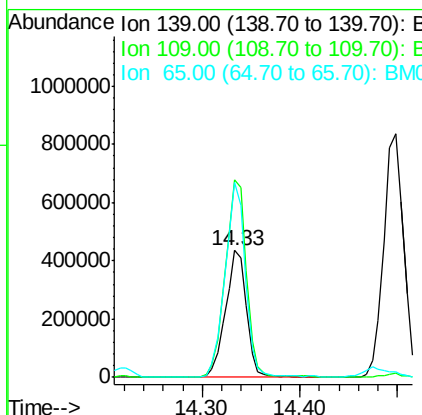
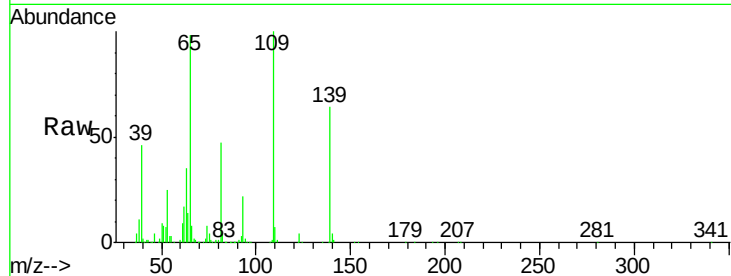




#55  
4-Nitrophenol  
Concen: 76.837 ng  
RT: 14.33 min Scan# 1946  
Delta R.T. -0.00 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

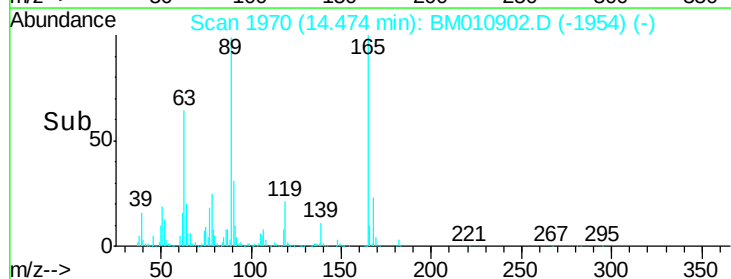
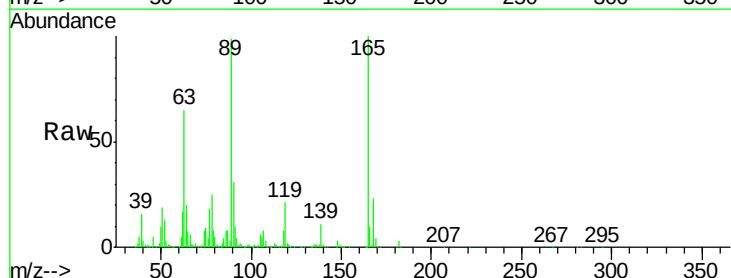
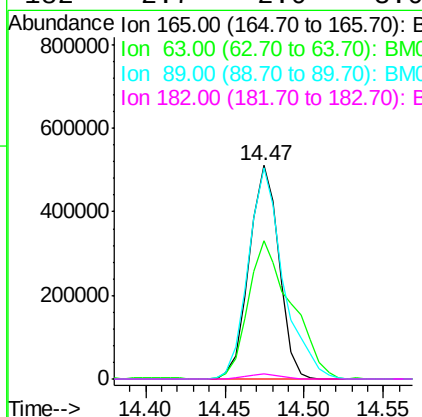
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

Tgt Ion:139 Resp: 650824  
Ion Ratio Lower Upper  
139 100  
109 156.2 37.7 77.7#  
65 153.8 49.9 89.9#

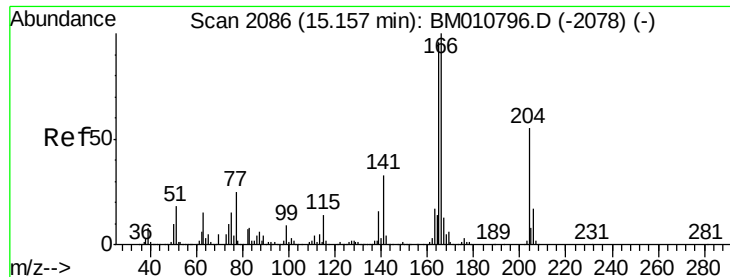


#56  
2,4-Dinitrotoluene  
Concen: 44.962 ng  
RT: 14.47 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion:165 Resp: 669317  
Ion Ratio Lower Upper  
165 100  
63 64.5 52.4 78.6  
89 98.7 72.4 108.6  
182 2.7 2.0 3.0



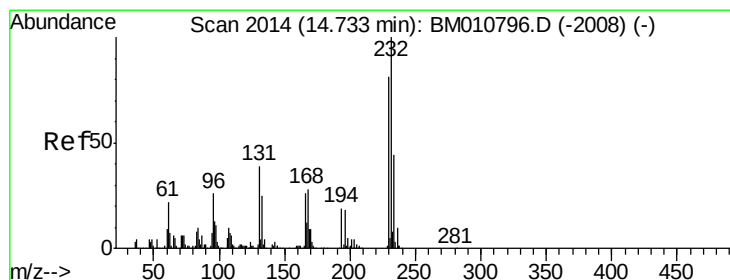
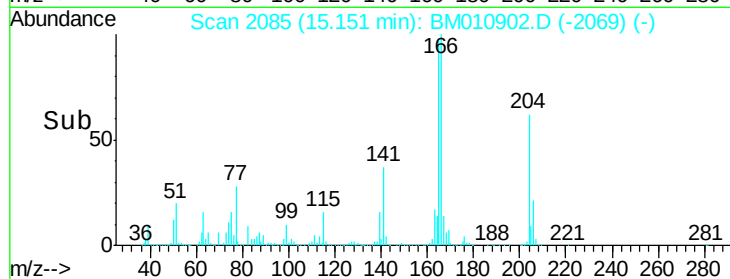
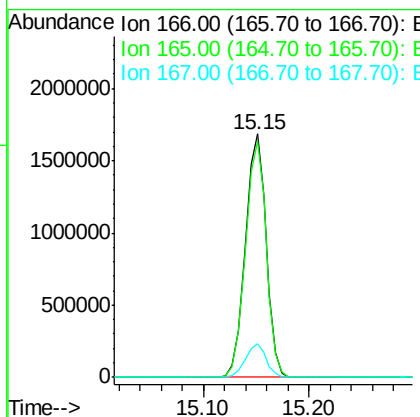
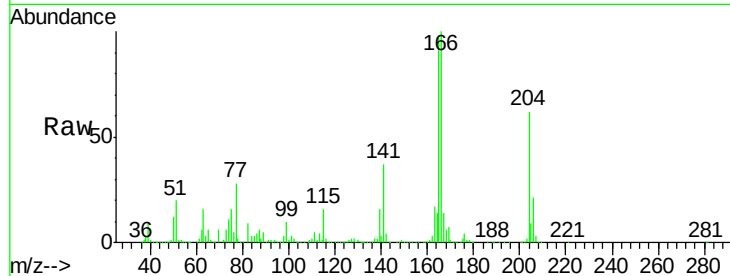




#57  
 Fluorene  
 Concen: 44.120 ng  
 RT: 15.15 min Scan# 2085  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

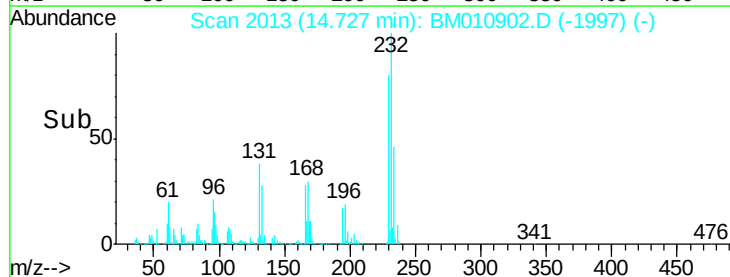
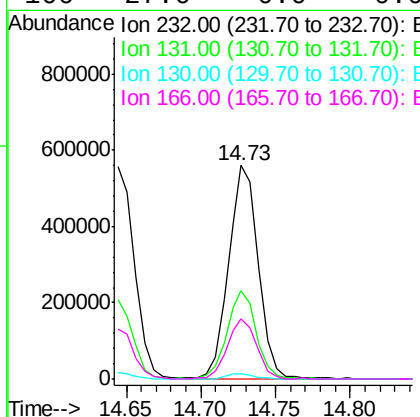
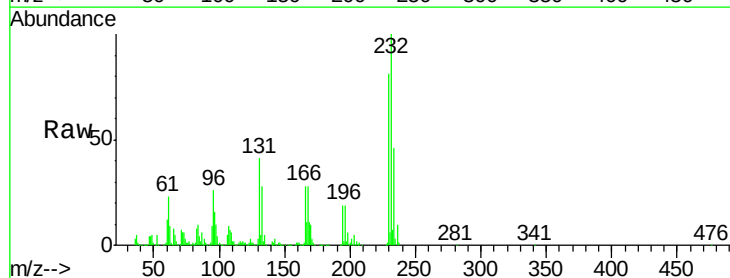
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

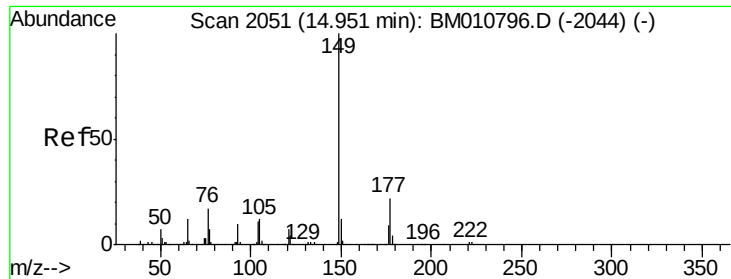
Tgt Ion:166 Resp: 2289830  
 Ion Ratio Lower Upper  
 166 100  
 165 97.1 79.0 118.4  
 167 14.1 10.3 15.5



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.929 ng  
 RT: 14.73 min Scan# 2013  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:232 Resp: 774529  
 Ion Ratio Lower Upper  
 232 100  
 131 40.9 0.0 0.0#  
 130 2.7 0.0 0.0#  
 166 27.6 0.0 0.0#

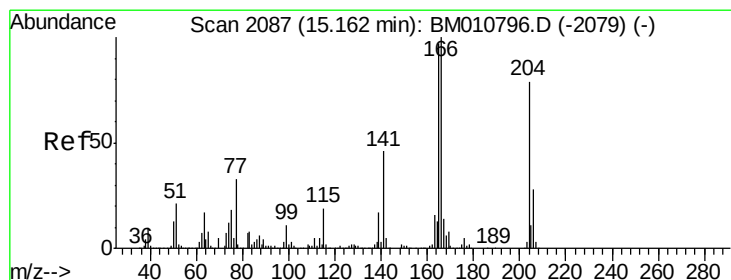
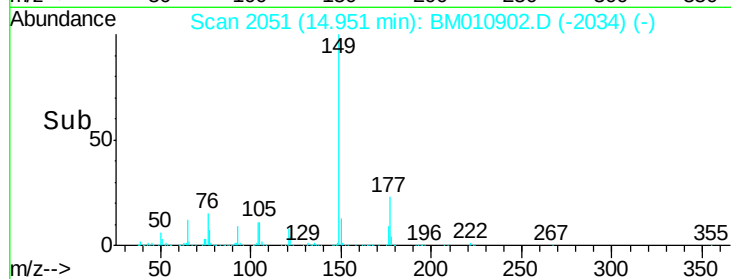
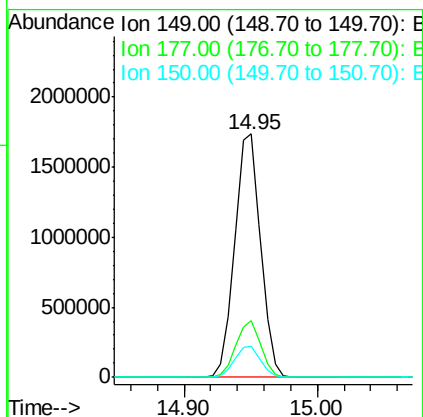
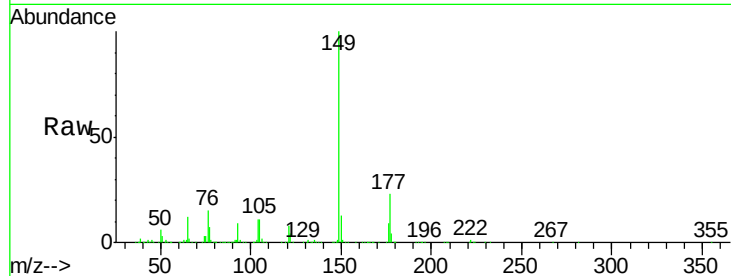




#59  
Diethylphthalate  
Concen: 43.490 ng  
RT: 14.95 min Scan# 2051  
Delta R.T. 0.00 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

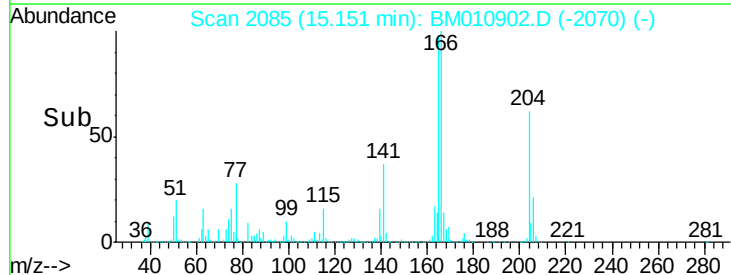
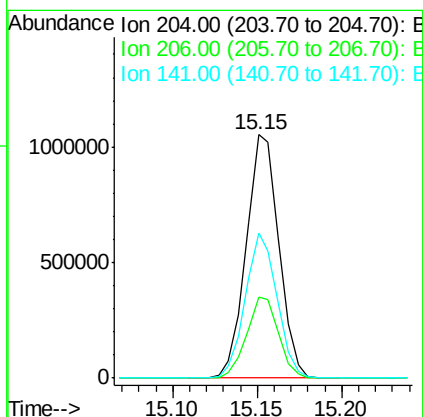
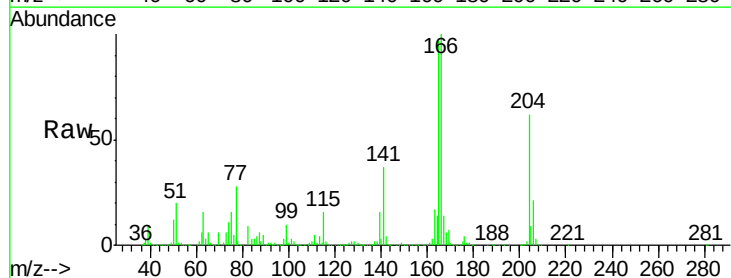
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

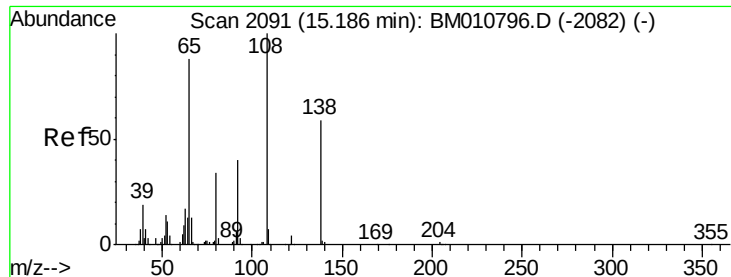
Tgt Ion:149 Resp: 2349152  
Ion Ratio Lower Upper  
149 100  
177 23.4 18.3 27.5  
150 12.7 9.8 14.8



#60  
4-Chlorophenyl-phenylether  
Concen: 44.417 ng  
RT: 15.15 min Scan# 2085  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion:204 Resp: 1416065  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.6 39.8  
141 59.5 45.2 67.8

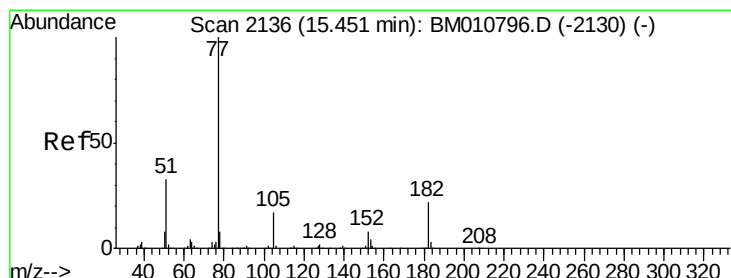
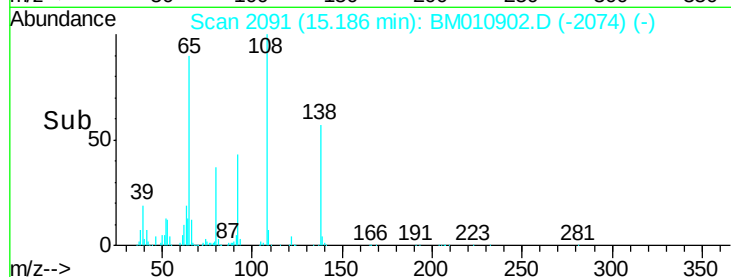
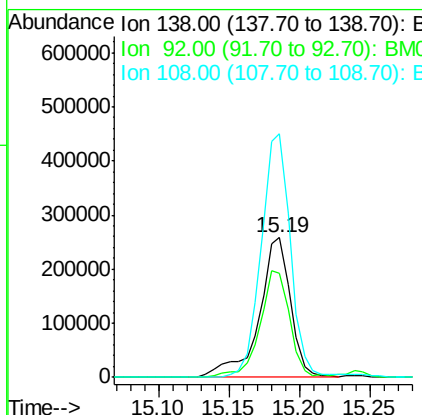
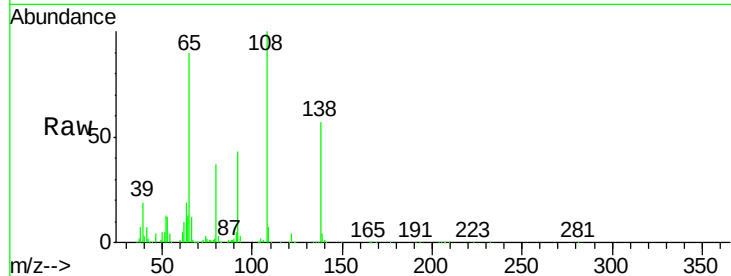




#61  
4-Nitroaniline  
Concen: 39.870 ng  
RT: 15.19 min Scan# 2091  
Delta R.T. -0.00 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

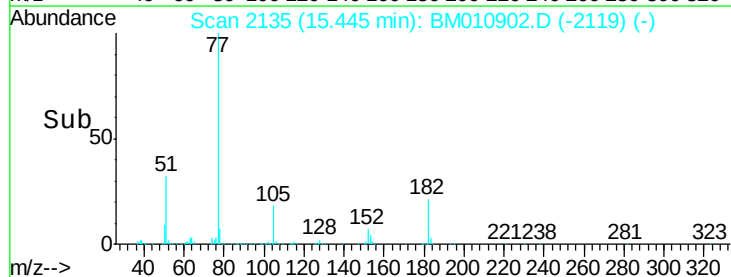
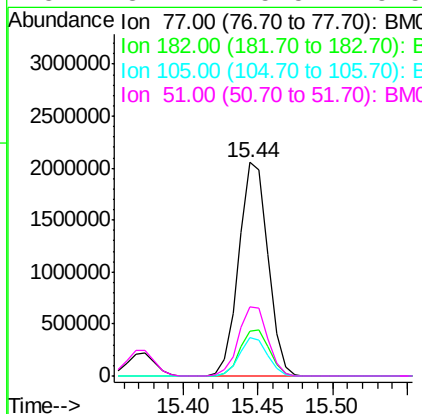
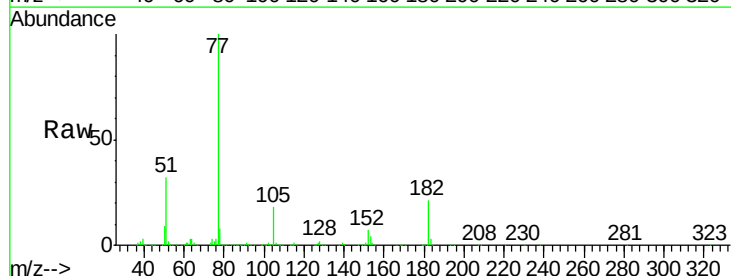
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

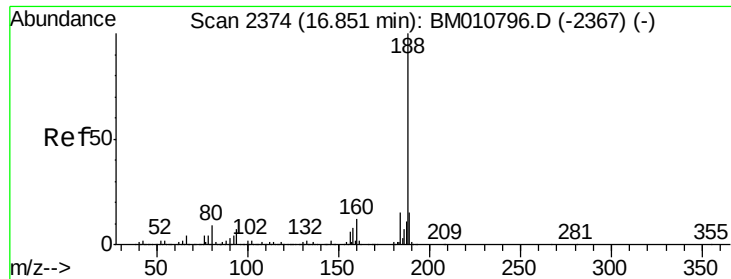
Tgt Ion: 138 Resp: 406419  
Ion Ratio Lower Upper  
138 100  
92 74.2 16.7 56.7#  
108 174.2 37.6 77.6#



#62  
Azobenzene  
Concen: 50.714 ng  
RT: 15.44 min Scan# 2135  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion: 77 Resp: 2781637  
Ion Ratio Lower Upper  
77 100  
182 20.9 6.5 46.5  
105 17.7 3.8 43.8  
51 32.4 5.5 45.5

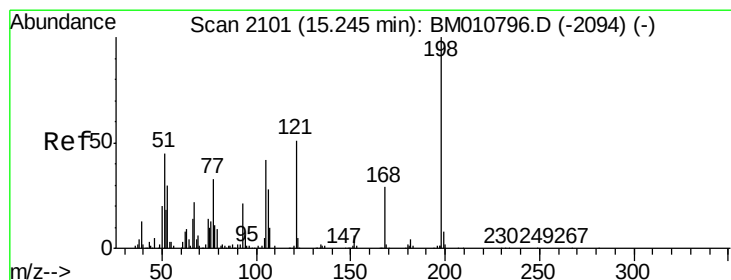
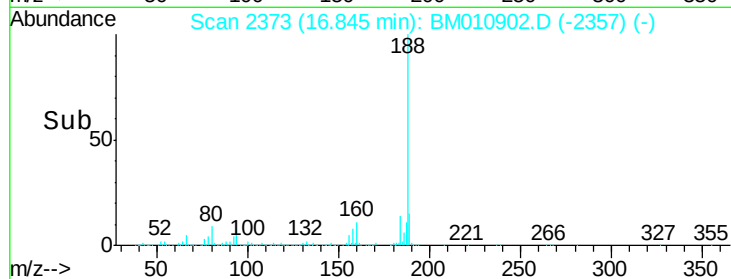
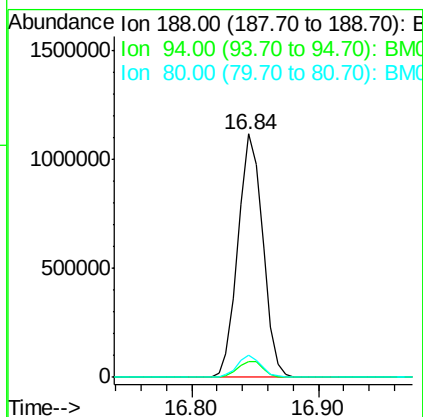
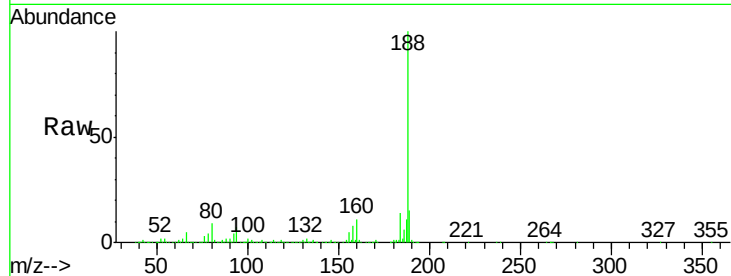




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.84 min Scan# 2373  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

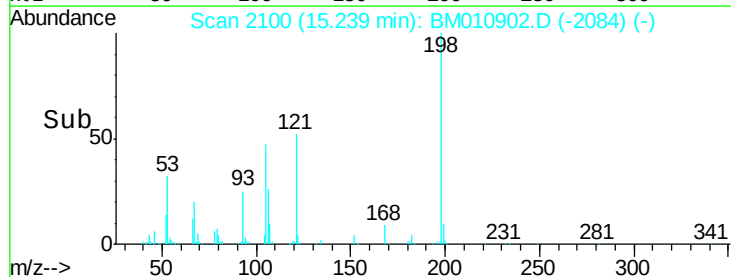
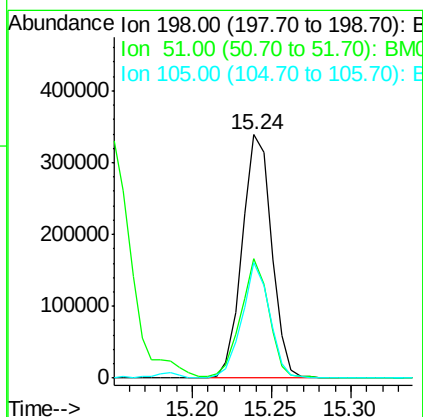
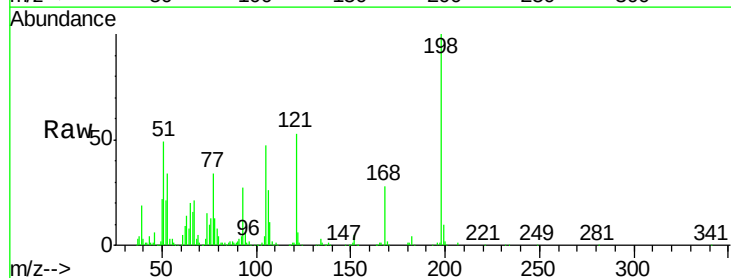
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

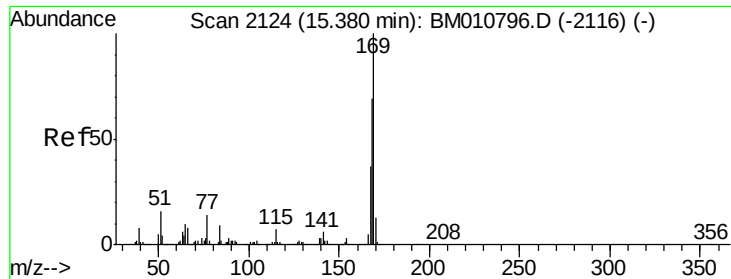
Tgt Ion:188 Resp: 1512052  
 Ion Ratio Lower Upper  
 188 100  
 94 6.6 8.7 13.1#  
 80 8.9 9.3 13.9#



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 44.010 ng  
 RT: 15.24 min Scan# 2100  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:198 Resp: 438806  
 Ion Ratio Lower Upper  
 198 100  
 51 49.1 28.8 68.8  
 105 47.4 30.5 70.5

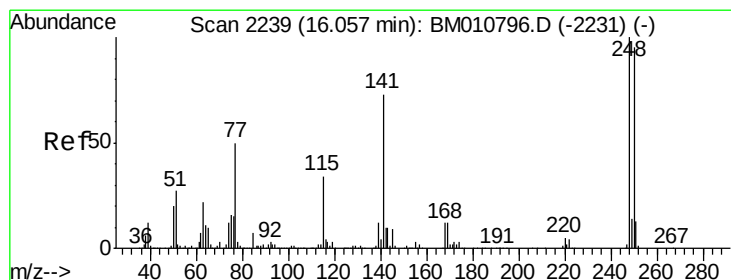
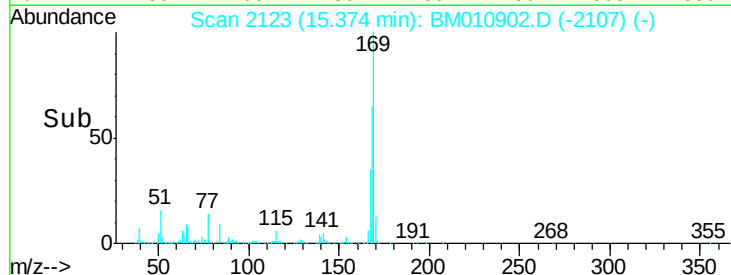
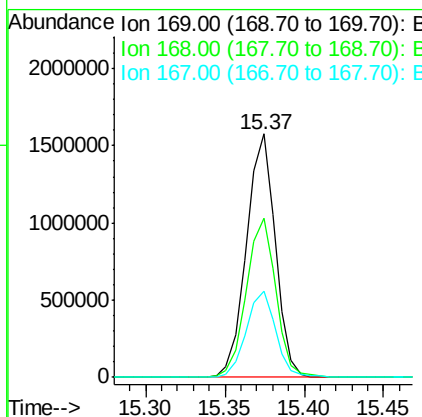
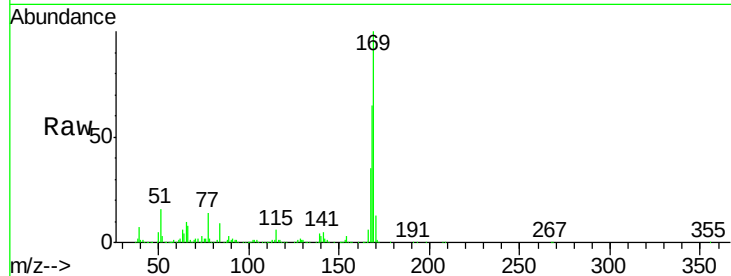




#65  
 n-Nitrosodiphenylamine  
 Concen: 46.021 ng  
 RT: 15.37 min Scan# 2123  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

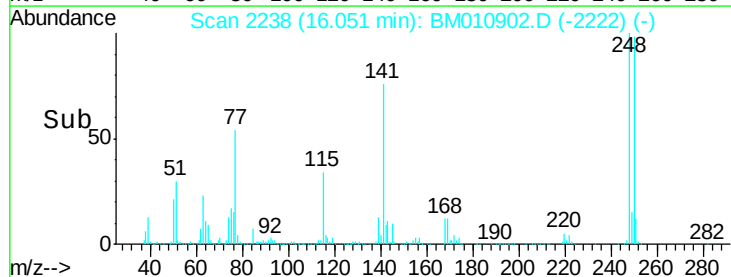
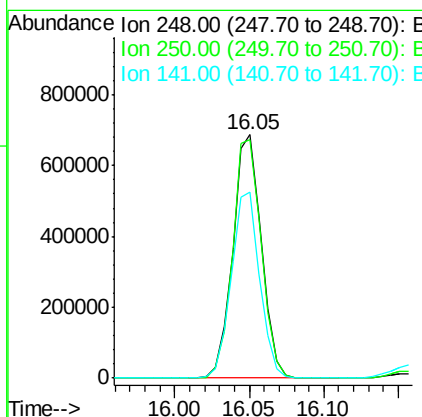
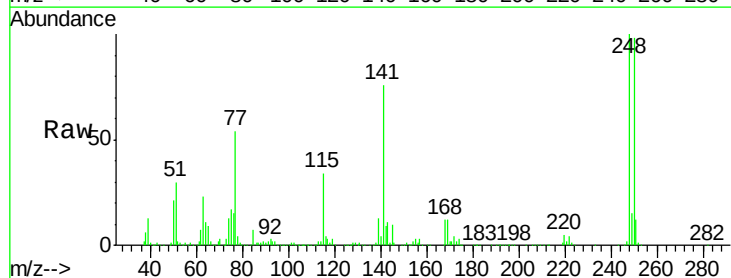
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

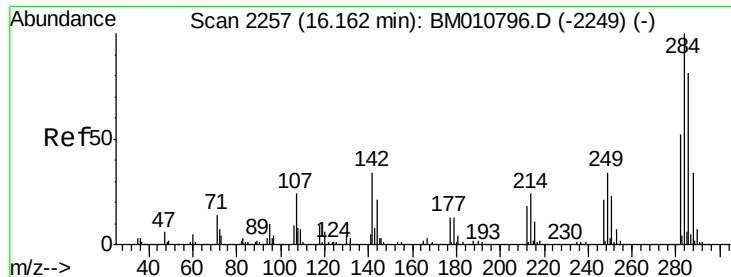
Tgt Ion:169 Resp: 1991152  
 Ion Ratio Lower Upper  
 169 100  
 168 65.3 53.9 80.9  
 167 35.5 28.9 43.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 47.865 ng  
 RT: 16.05 min Scan# 2238  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:248 Resp: 917213  
 Ion Ratio Lower Upper  
 248 100  
 250 97.7 77.4 116.0  
 141 76.5 45.2 67.8#

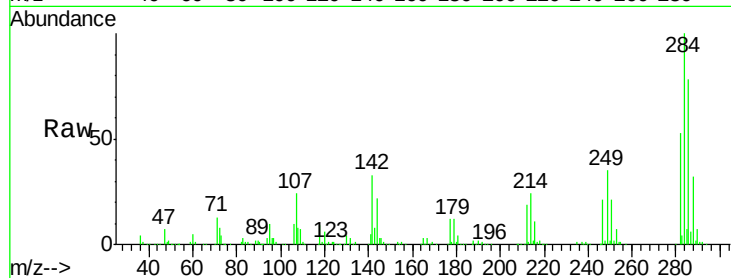




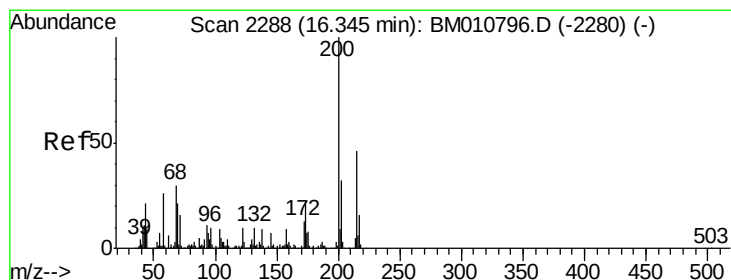
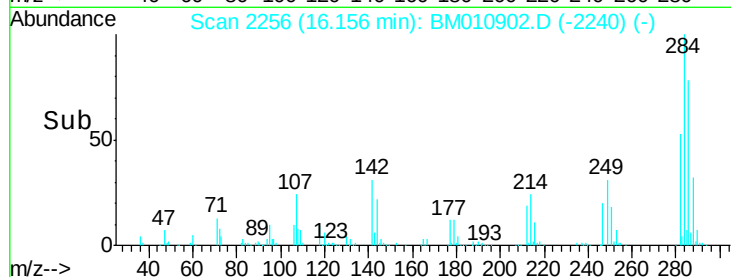
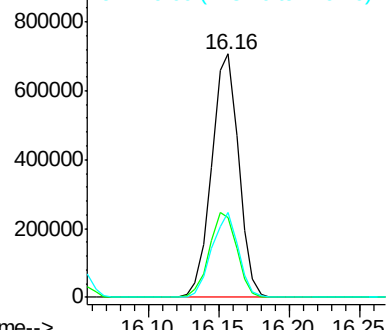
#67  
Hexachlorobenzene  
Concen: 43.173 ng  
RT: 16.16 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.9  | 20.4  | 30.6# |
| 249     | 34.7  | 23.8  | 35.6  |

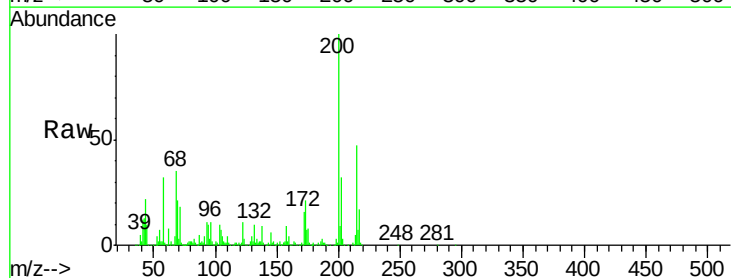


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

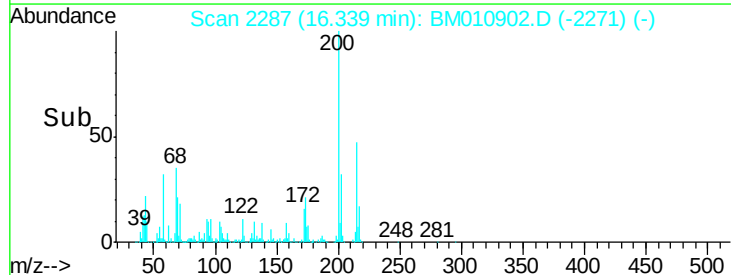
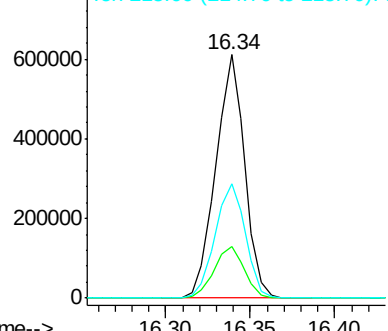


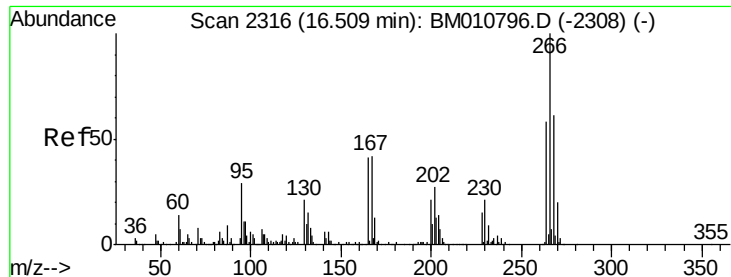
#68  
Atrazine  
Concen: 40.704 ng  
RT: 16.34 min Scan# 2287  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 21.4  | 4.8   | 44.8  |
| 215     | 46.8  | 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: 84.486 ng

RT: 16.50 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

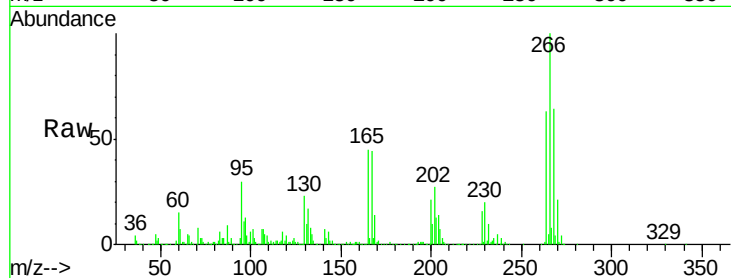
Tgt Ion:266 Resp: 1186763

Ion Ratio Lower Upper

266 100

268 64.3 52.0 78.0

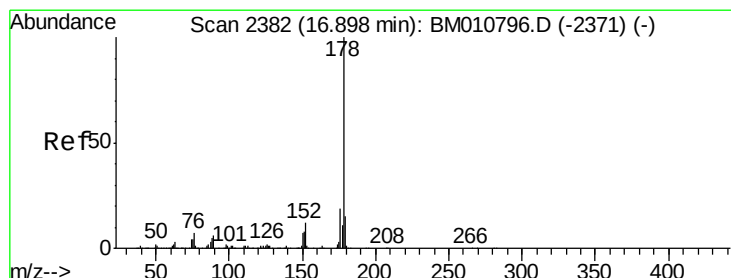
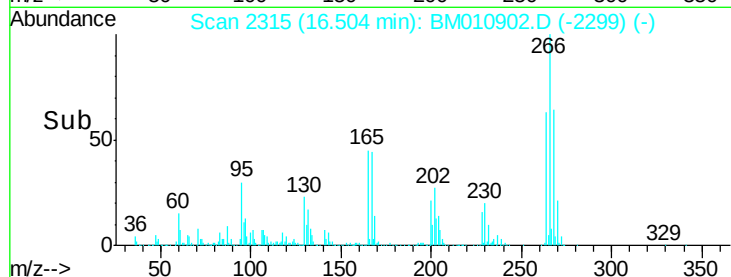
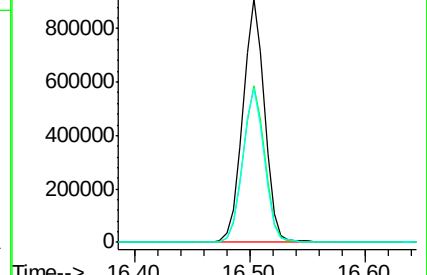
264 63.4 49.0 73.4



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: 47.206 ng

RT: 16.89 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

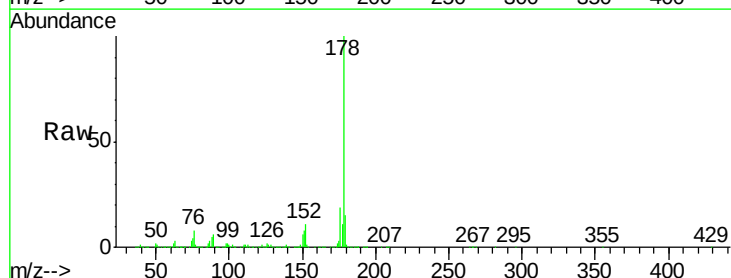
Tgt Ion:178 Resp: 3713258

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

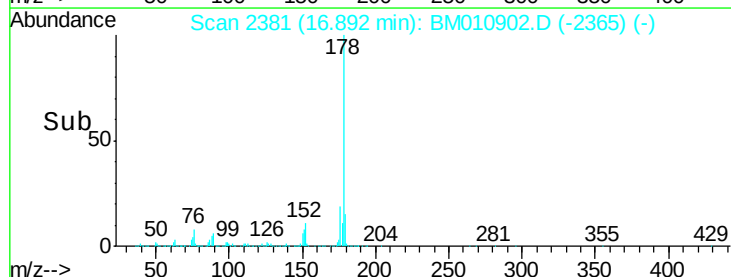
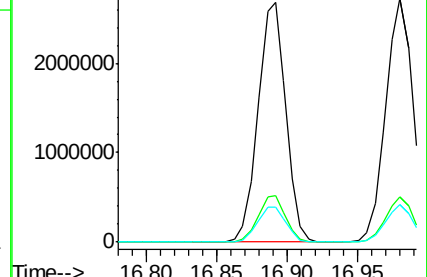
179 14.7 12.1 18.1

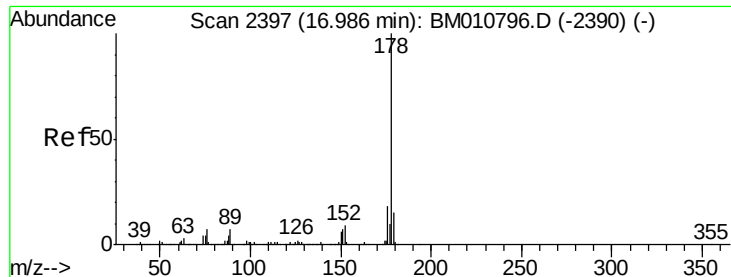


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

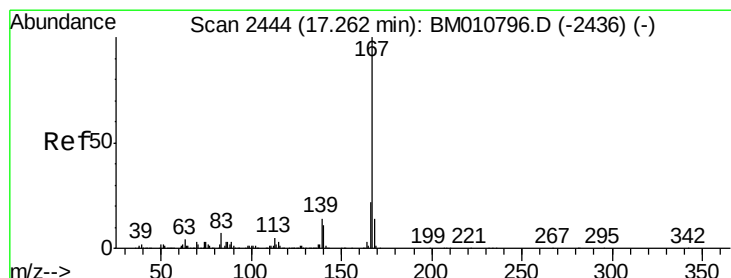
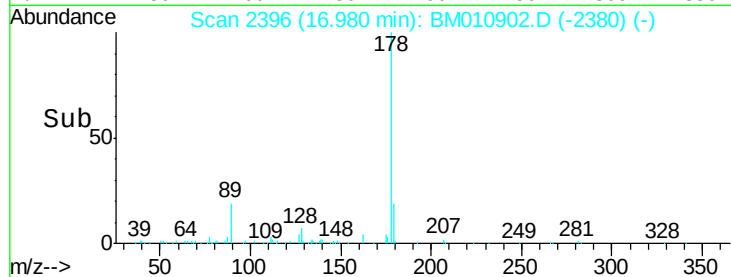
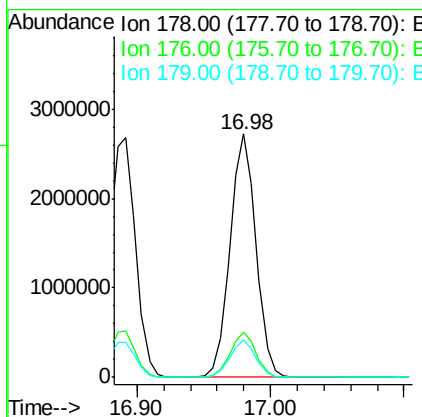
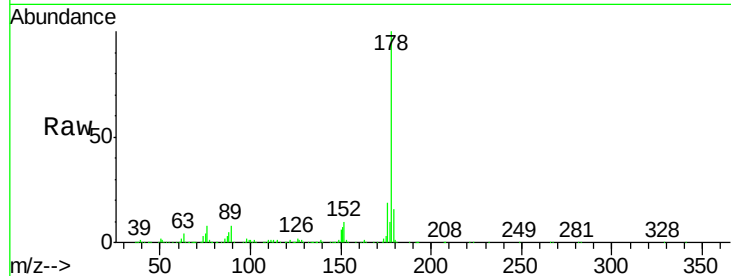




#71  
 Anthracene  
 Concen: 47.114 ng  
 RT: 16.98 min Scan# 2396  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

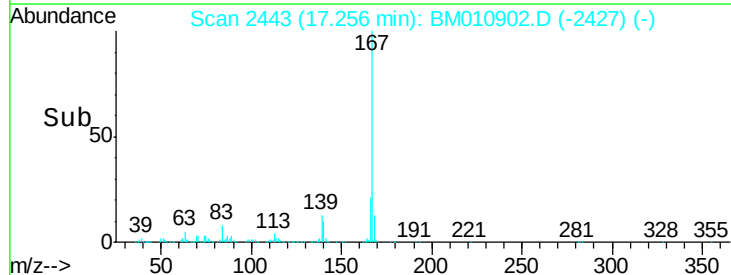
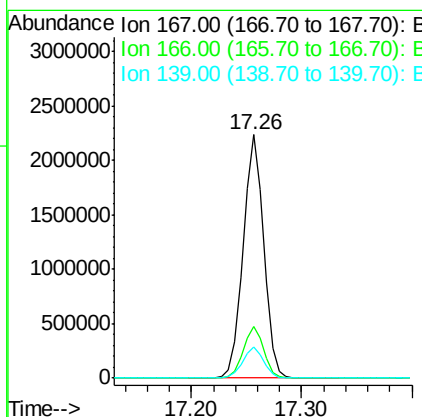
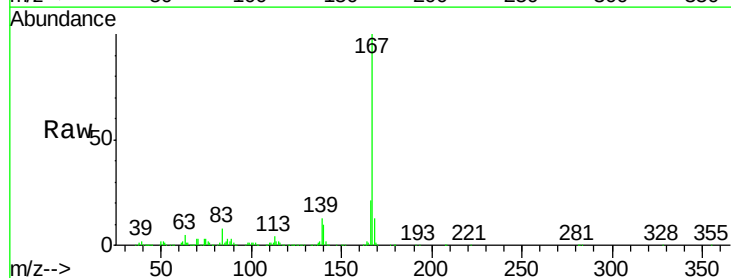
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

Tgt Ion:178 Resp: 3678815  
 Ion Ratio Lower Upper  
 178 100  
 176 18.6 14.6 22.0  
 179 15.5 12.6 19.0

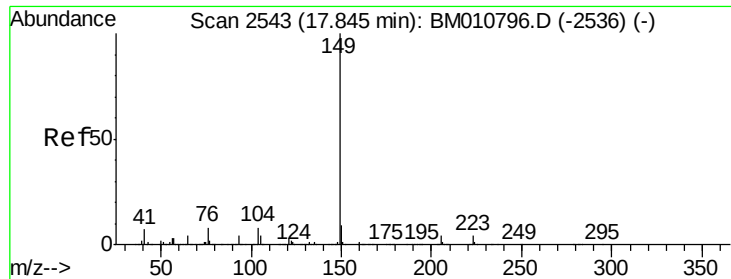


#72  
 Carbazole  
 Concen: 42.687 ng  
 RT: 17.26 min Scan# 2443  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:167 Resp: 2935483  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.2 25.8  
 139 13.0 10.8 16.2



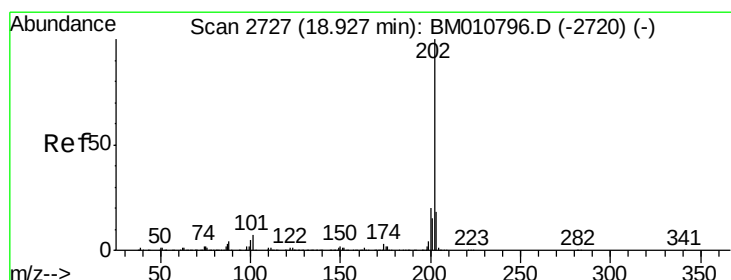
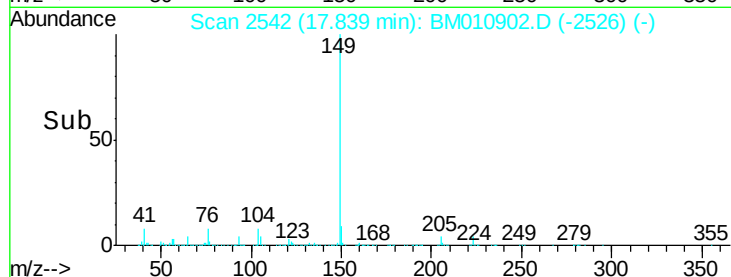
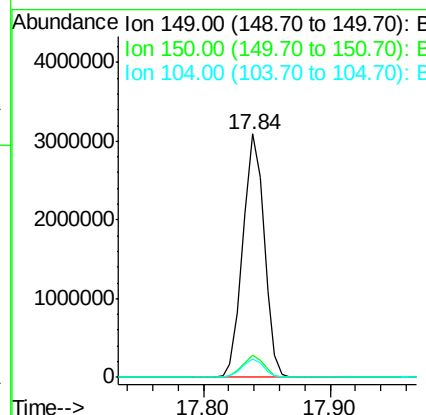
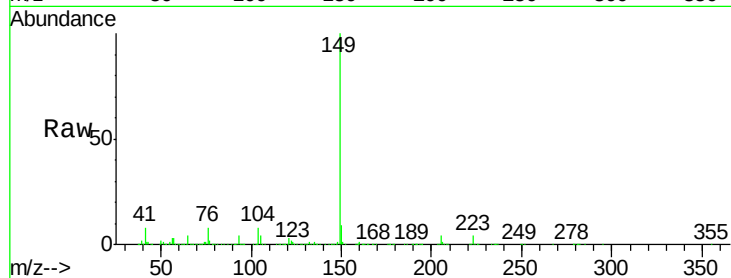




#73  
 Di-n-butylphthalate  
 Concen: 44.141 ng  
 RT: 17.84 min Scan# 2542  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

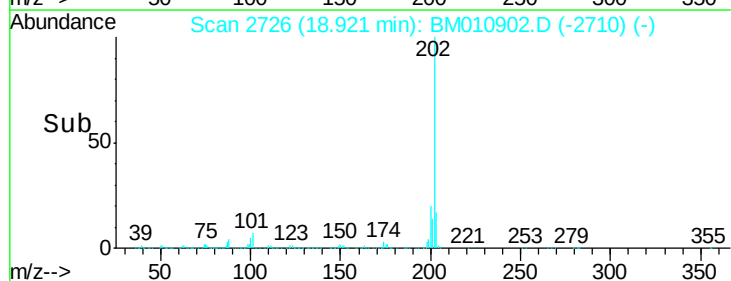
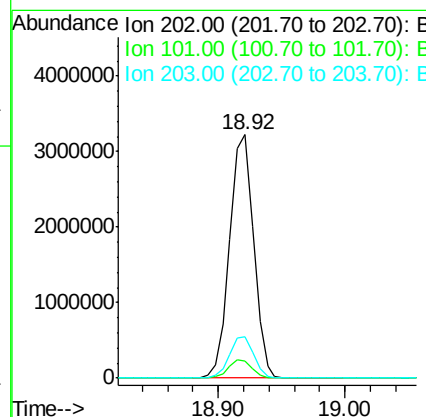
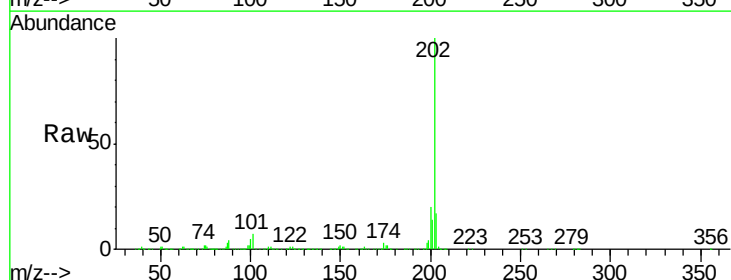
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-071717-EMS

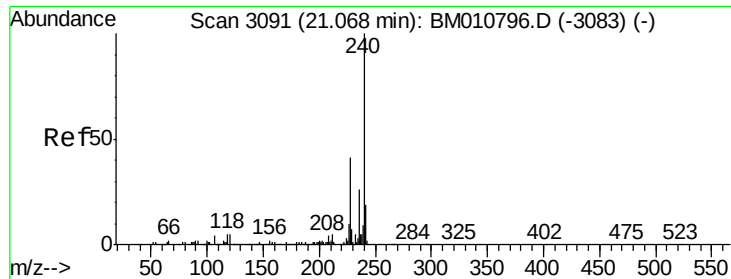
Tgt Ion:149 Resp: 3591262  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.5 11.3  
 104 7.7 3.7 5.5#



#74  
 Fluoranthene  
 Concen: 43.509 ng  
 RT: 18.92 min Scan# 2726  
 Delta R.T. -0.01 min  
 Lab File: BM010902.D  
 Acq: 19 Jul 2017 20:27

Tgt Ion:202 Resp: 4238662  
 Ion Ratio Lower Upper  
 202 100  
 101 6.8 0.0 28.7  
 203 16.9 0.0 37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

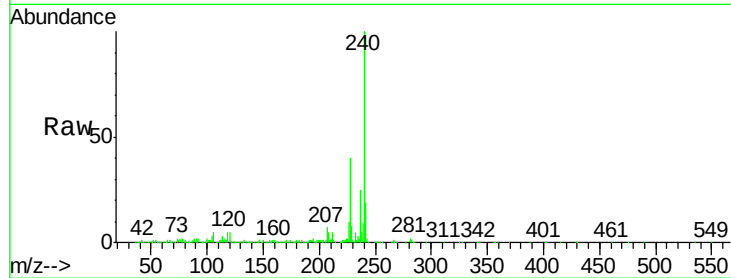
Tgt Ion:240 Resp: 1387866

Ion Ratio Lower Upper

240 100

120 5.2 8.2 12.2#

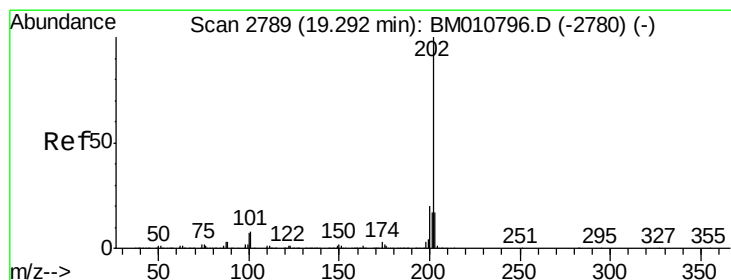
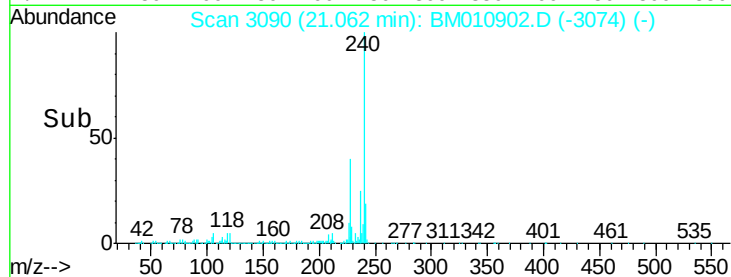
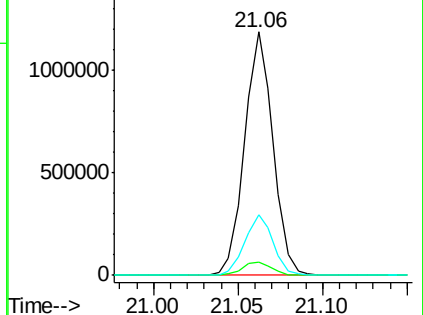
236 24.8 20.0 30.0



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



#77

Pyrene

Concen: 52.604 ng

RT: 19.29 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

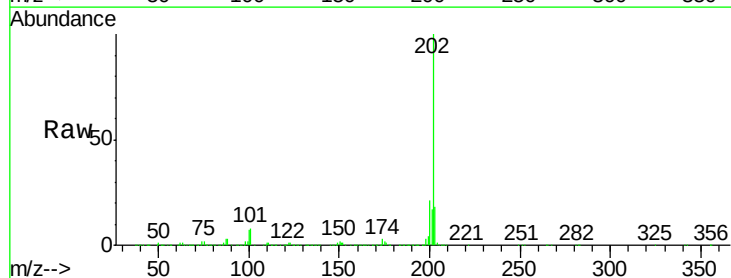
Tgt Ion:202 Resp: 4232372

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

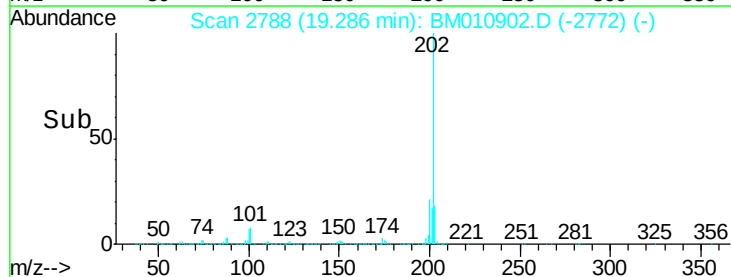
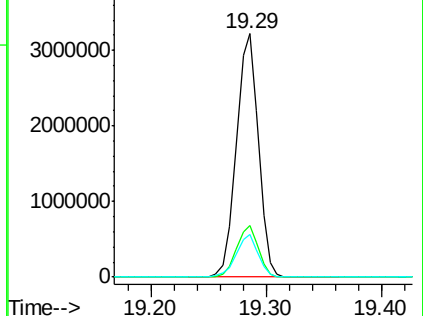
203 17.6 14.1 21.1

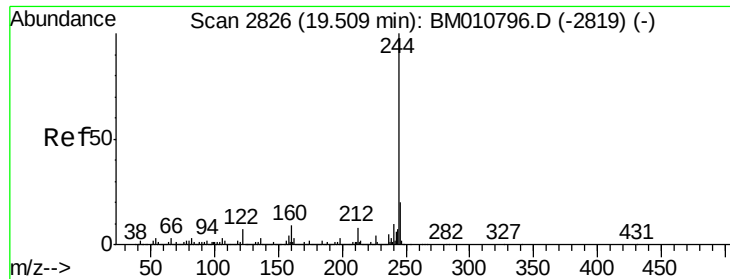


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.818 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

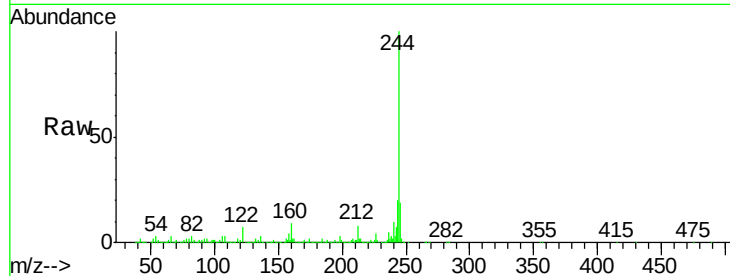
Tgt Ion:244 Resp: 6660383

Ion Ratio Lower Upper

244 100

212 8.1 4.9 7.3#

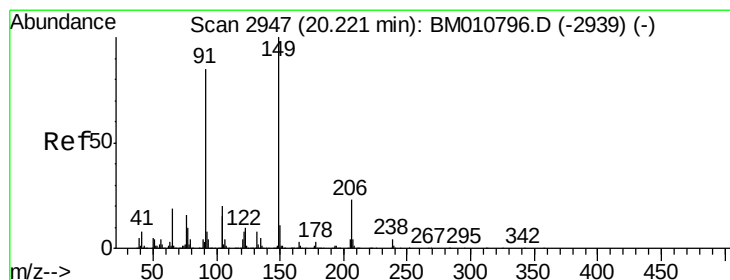
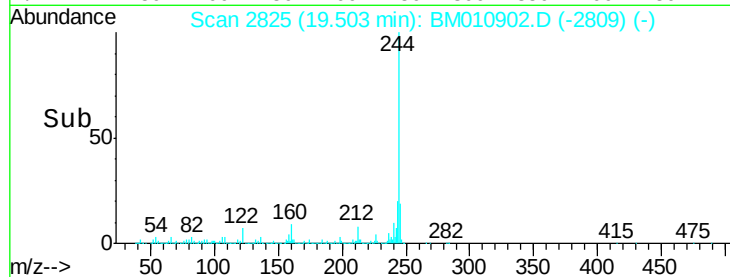
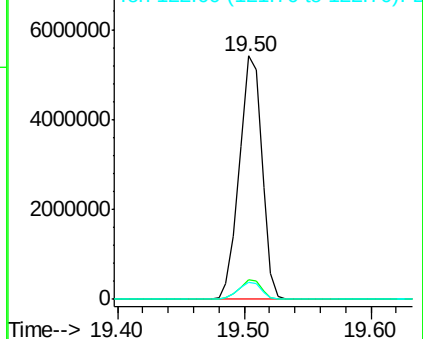
122 7.3 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 49.433 ng

RT: 20.22 min Scan# 2946

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

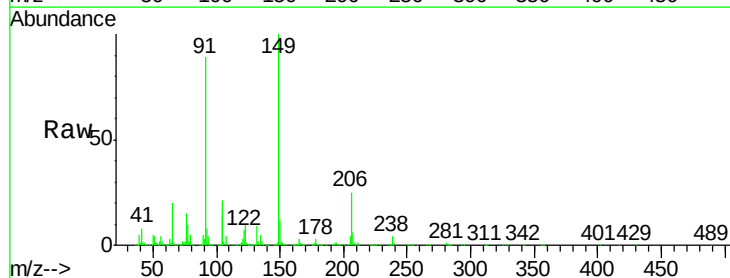
Tgt Ion:149 Resp: 1392450

Ion Ratio Lower Upper

149 100

91 88.6 50.1 75.1#

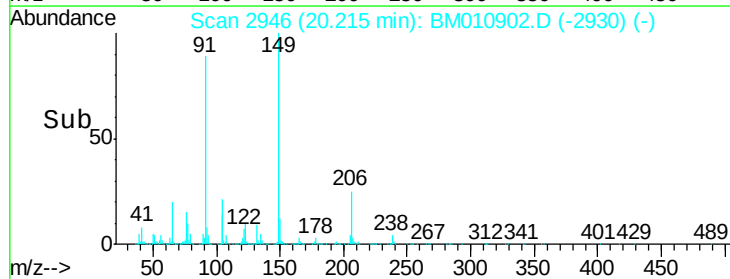
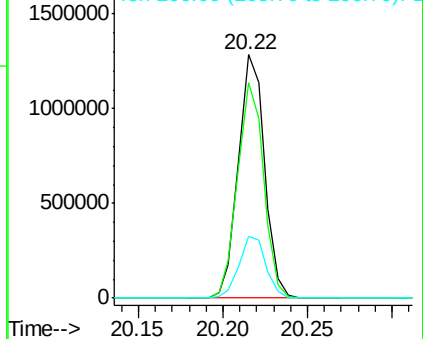
206 25.4 16.2 24.2#

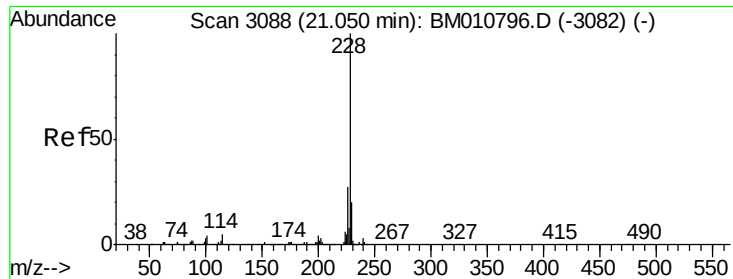


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 46.643 ng

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

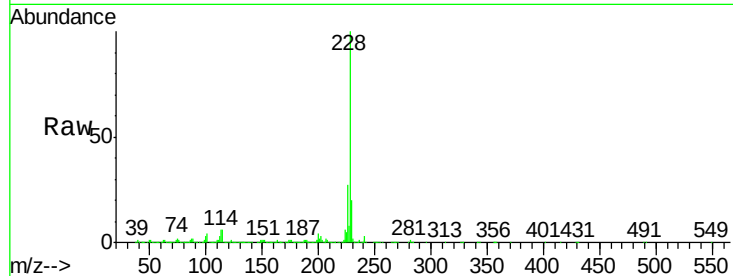
Tgt Ion:228 Resp: 3750983

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

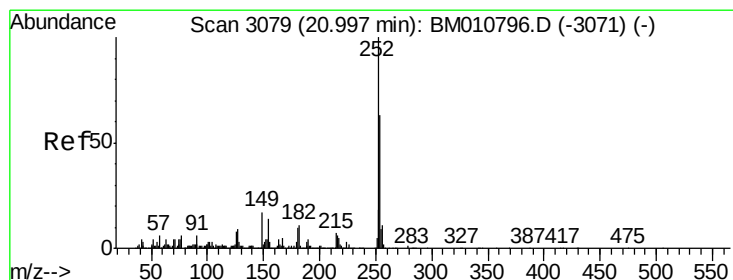
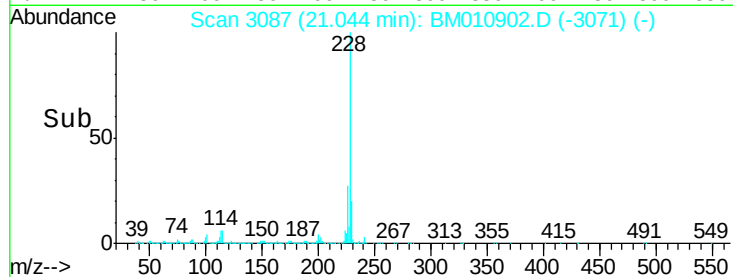
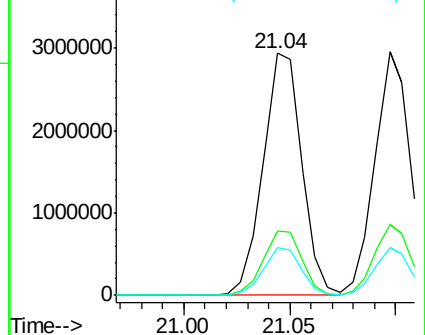
229 19.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 25.595 ng

RT: 20.99 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

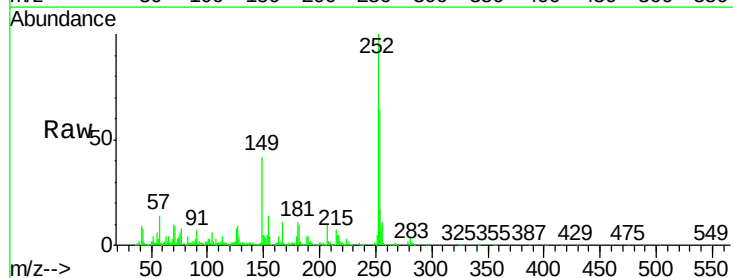
Tgt Ion:252 Resp: 809330

Ion Ratio Lower Upper

252 100

254 64.1 51.9 77.9

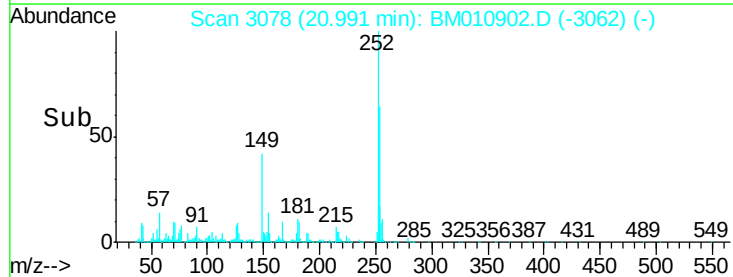
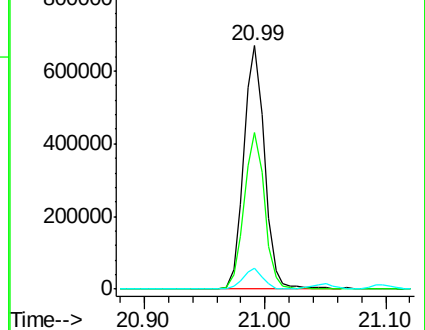
126 8.5 9.8 14.8#

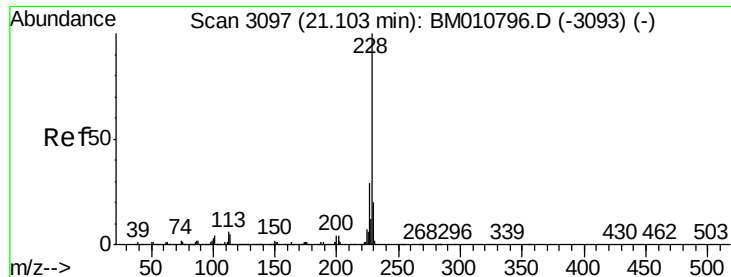


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 45.258 ng

RT: 21.10 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

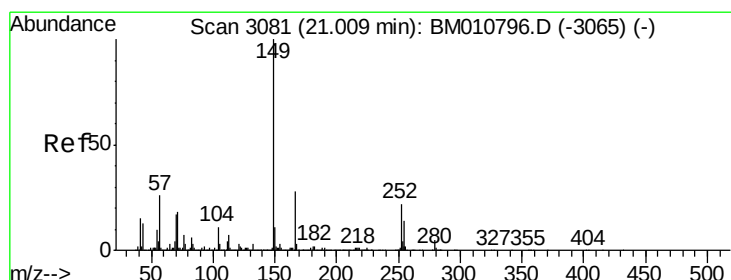
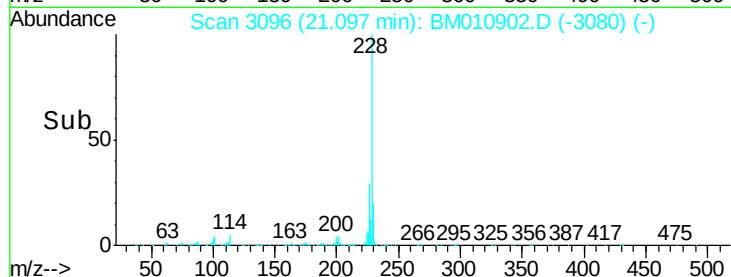
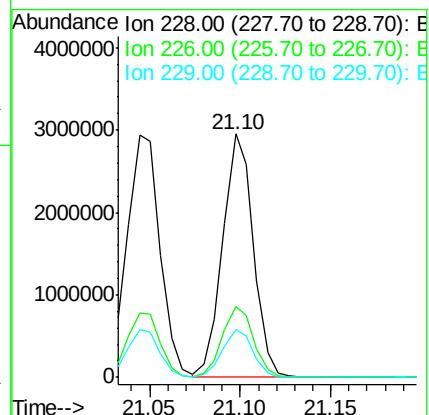
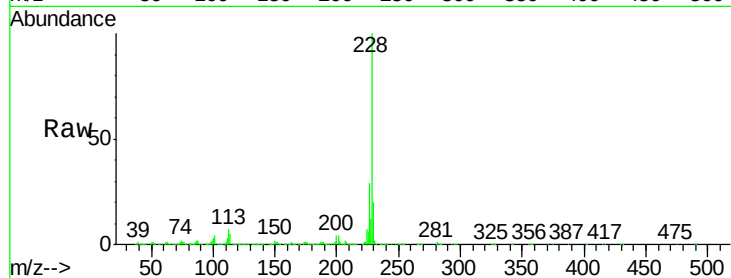
Tgt Ion:228 Resp: 3466204

Ion Ratio Lower Upper

228 100

226 29.2 24.1 36.1

229 19.7 15.5 23.3



#83

Bis(2-ethylhexyl)phthalate

Concen: 46.146 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

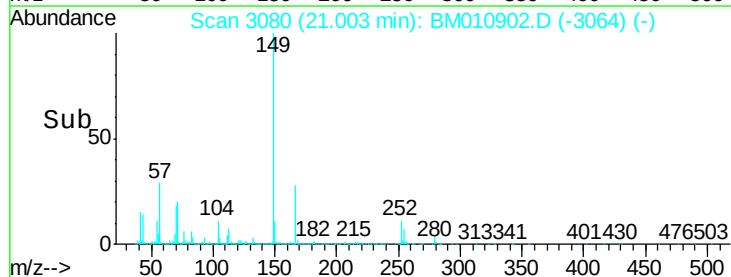
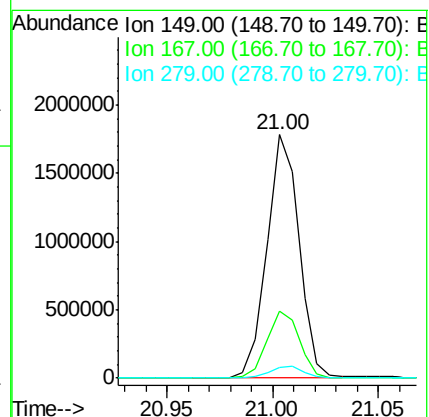
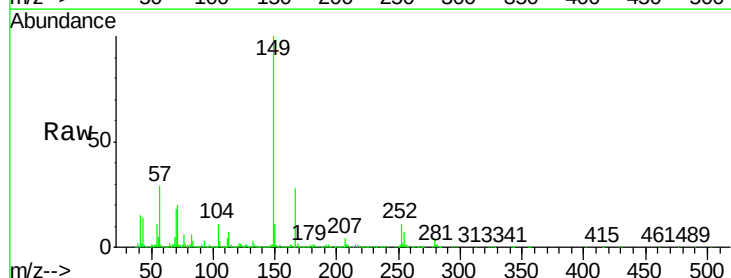
Tgt Ion:149 Resp: 1892874

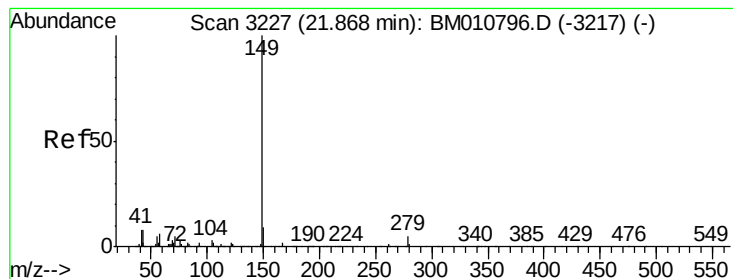
Ion Ratio Lower Upper

149 100

167 27.6 22.4 33.6

279 4.4 3.4 5.0





#84

Di-n-octyl phthalate

Concen: 43.234 ng

RT: 21.86 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

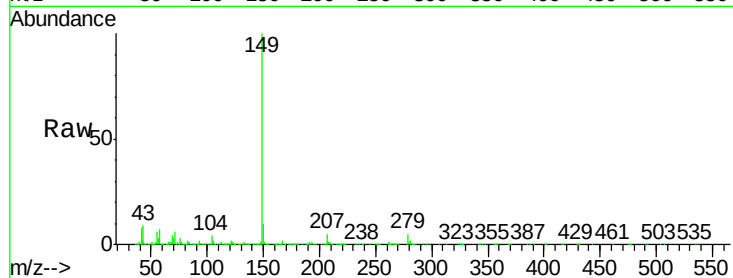
Tgt Ion:149 Resp: 2905645

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

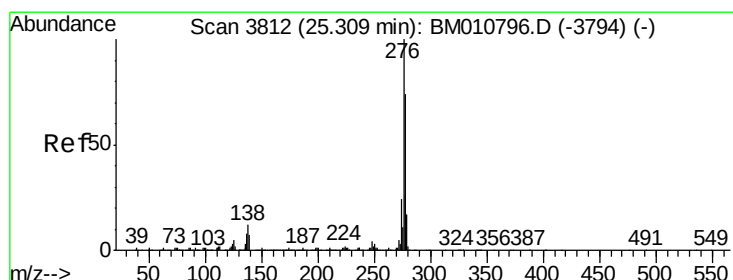
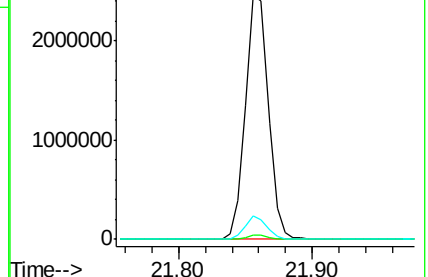
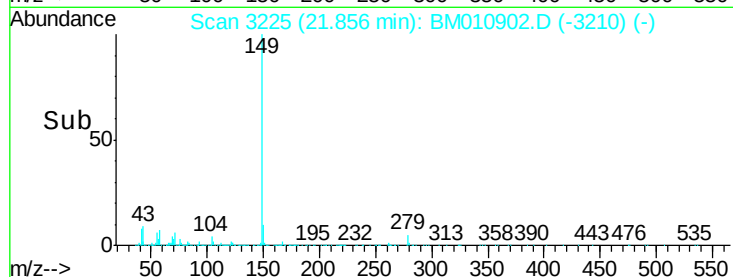
43 8.9 7.3 10.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Indeno(1,2,3-cd)pyrene

Concen: 43.427 ng

RT: 25.30 min Scan# 3810

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

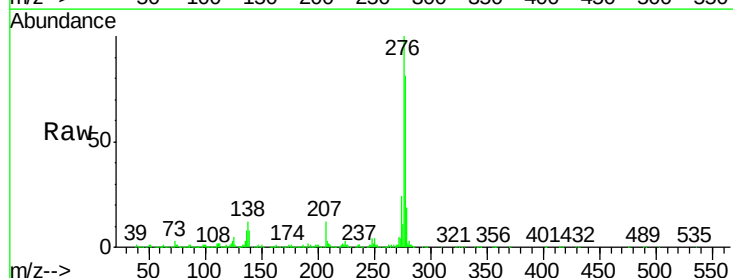
Tgt Ion:276 Resp: 3813824

Ion Ratio Lower Upper

276 100

138 12.3 0.0 0.0#

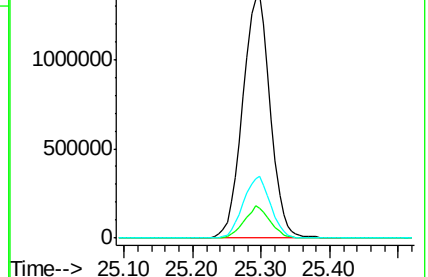
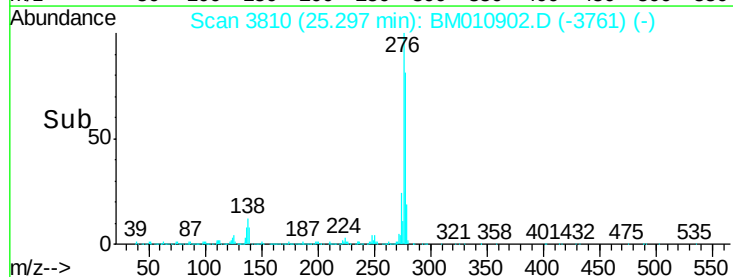
277 25.2 0.0 0.0#

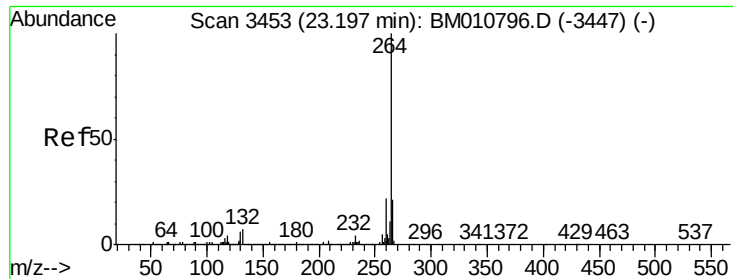


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



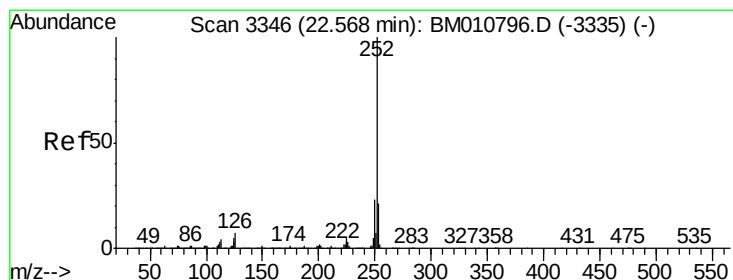
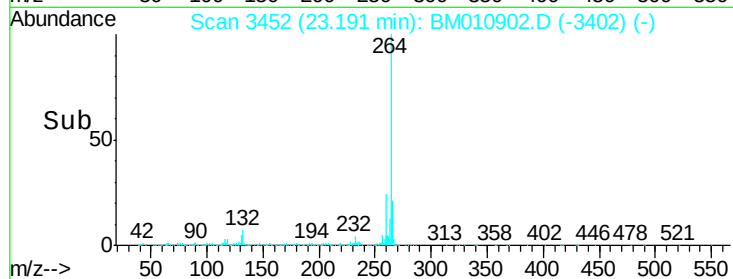
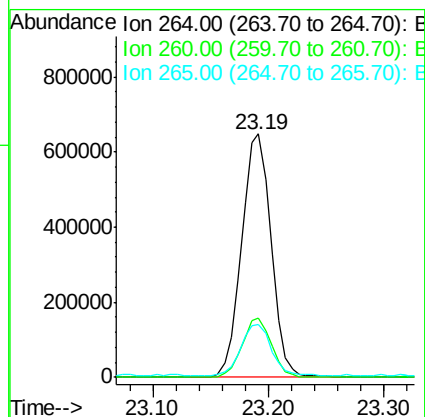
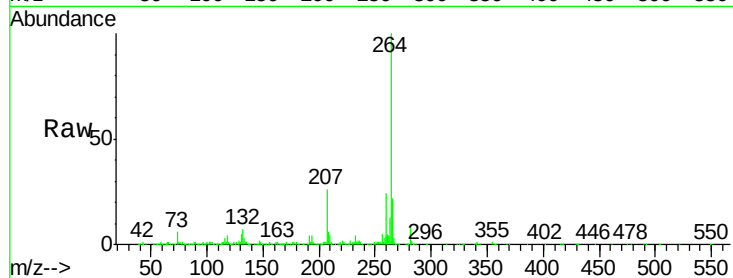


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.19 min Scan# 3452  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-071717-EMS

Tgt Ion:264 Resp: 1151673  

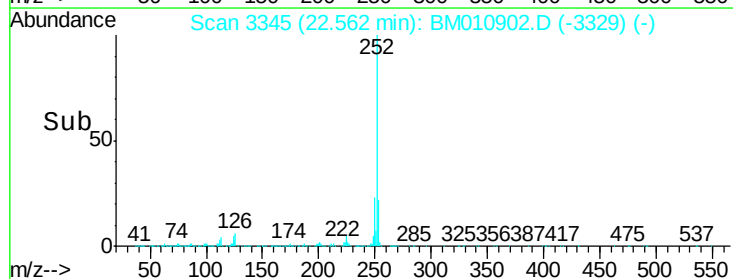
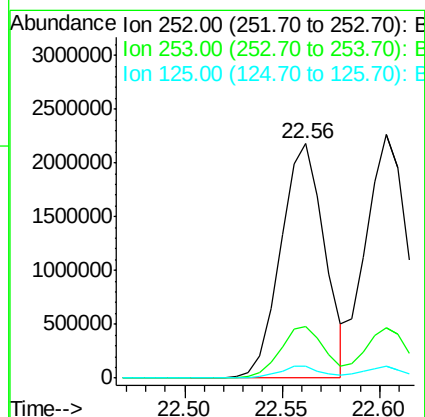
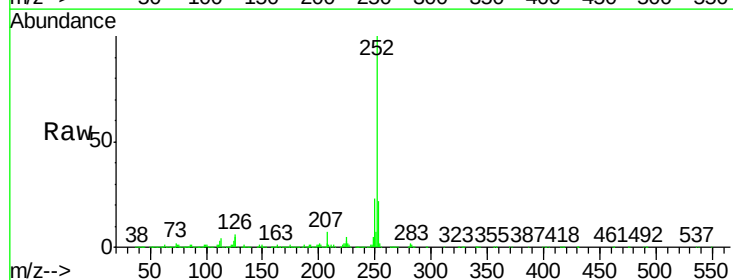
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 18.6  | 27.8  |
| 265 | 21.6  | 17.3  | 25.9  |

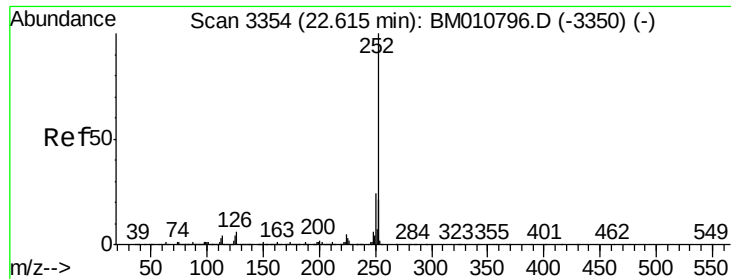


#87  
Benzo(b)fluoranthene  
Concen: 46.241 ng  
RT: 22.56 min Scan# 3345  
Delta R.T. -0.01 min  
Lab File: BM010902.D  
Acq: 19 Jul 2017 20:27

Tgt Ion:252 Resp: 3382724  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.9  | 18.0  | 27.0  |
| 125 | 5.1   | 9.9   | 14.9  |





#88

Benzo(k)fluoranthene

Concen: 47.756 ng

RT: 22.60 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

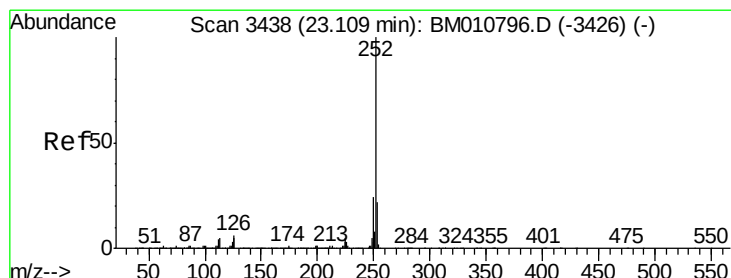
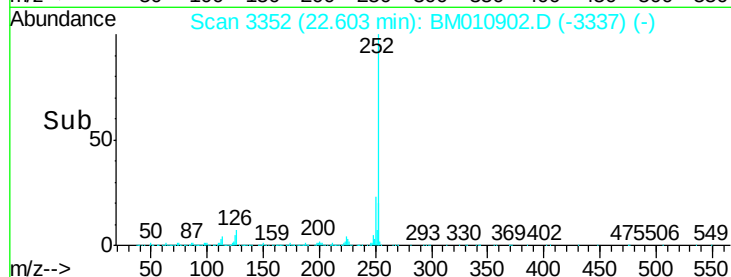
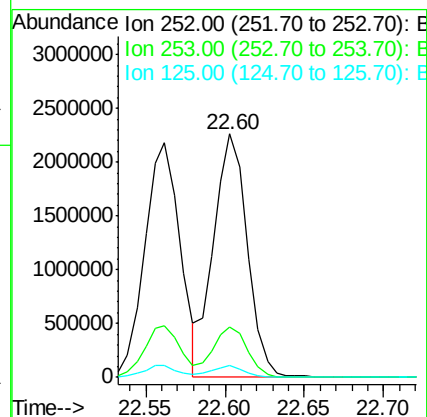
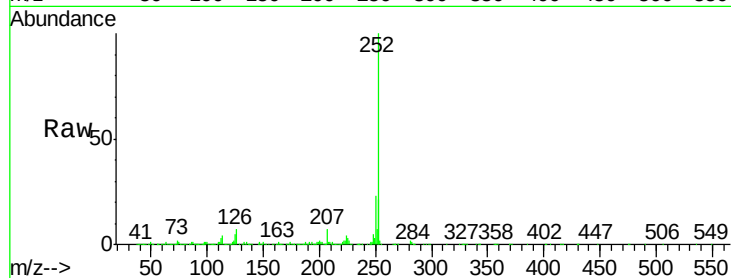
Tgt Ion:252 Resp: 3336877

Ion Ratio Lower Upper

252 100

253 20.5 17.2 25.8

125 5.0 8.1 12.1#



#89

Benzo(a)pyrene

Concen: 48.087 ng

RT: 23.10 min Scan# 3436

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

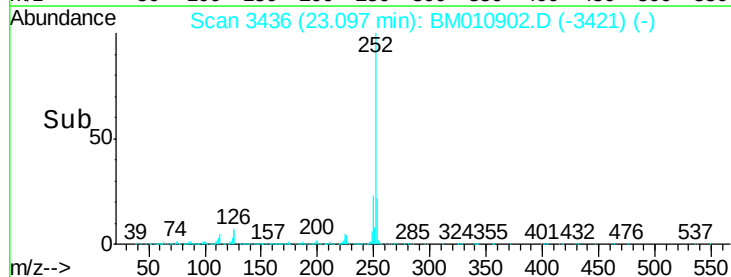
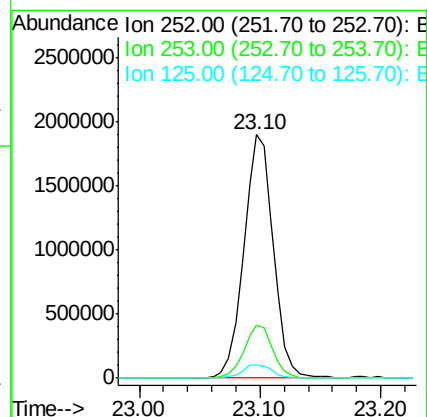
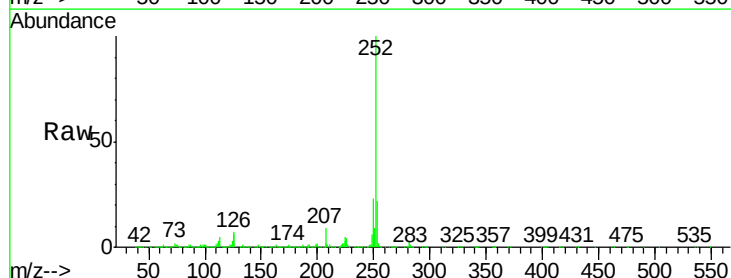
Tgt Ion:252 Resp: 3201994

Ion Ratio Lower Upper

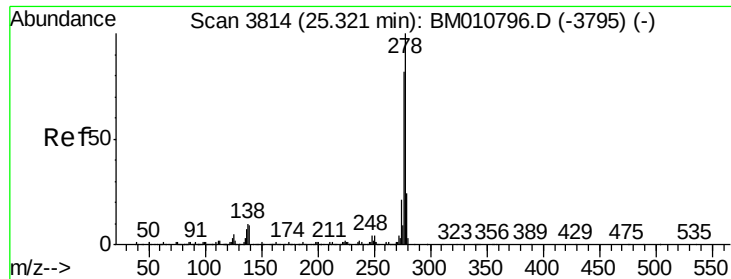
252 100

253 22.0 17.6 26.4

125 5.6 7.4 11.2#







#90

Dibenzo(a,h)anthracene

Concen: 48.459 ng

RT: 25.31 min Scan# 3812

Delta R.T. -0.01 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

Instrument :

BNA\_M

ClientSampleId :

PL-01-071717-EMS

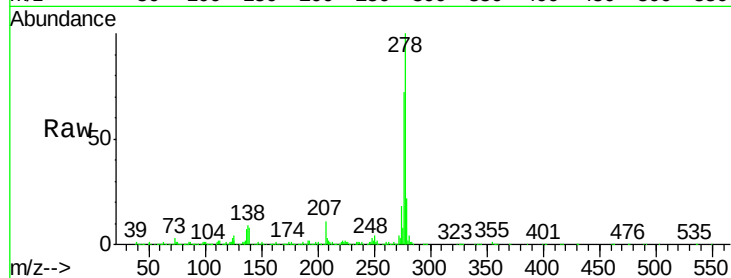
Tgt Ion:278 Resp: 3131799

Ion Ratio Lower Upper

278 100

139 8.4 13.4 20.0#

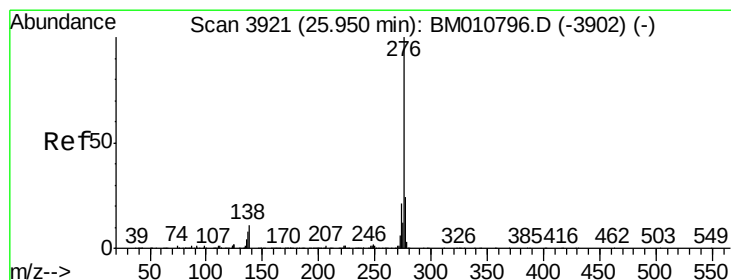
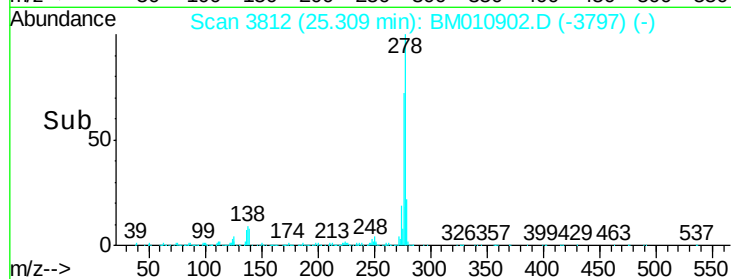
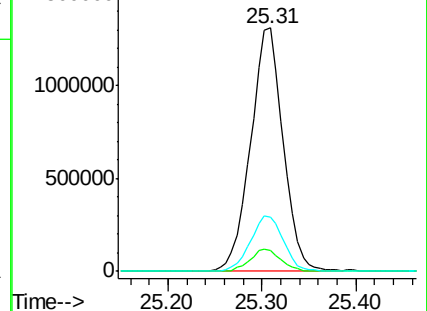
279 22.2 19.0 28.4



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(g,h,i)perylene

Concen: 50.006 ng

RT: 25.93 min Scan# 3918

Delta R.T. -0.02 min

Lab File: BM010902.D

Acq: 19 Jul 2017 20:27

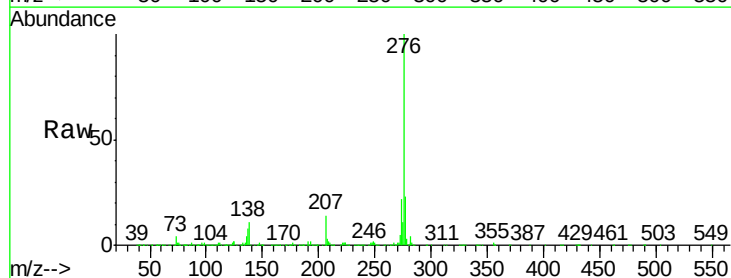
Tgt Ion:276 Resp: 3176874

Ion Ratio Lower Upper

276 100

277 22.8 18.5 27.7

138 10.7 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

