

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072817\  
 Data File : BM011053.D  
 Acq On : 28 Jul 2017 21:56  
 Operator : SJ/JU  
 Sample : I4465-03MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

Quant Time: Jul 28 22:54:21 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 158253   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.15 | 136  | 684898   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.05 | 164  | 488062   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.80 | 188  | 1210723  | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.02 | 240  | 1162939  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.13 | 264  | 137876   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.03  | 112  | 1416408  | 151.30 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 1874585  | 140.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1701380  | 93.23  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.55 | 330  | 1126579  | 144.02 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.66 | 172  | 3667325  | 94.24  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.46 | 244  | 5226732  | 89.03  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.05  | 88   | 158988   | 37.82  | ng    | # 100  |
| 4) n-Nitrosodimethylamine      | 3.33  | 42   | 278060   | 47.52  | ng    | # 65   |
| 8) 2-Chlorophenol              | 6.96  | 128  | 414805   | 43.64  | ng    | # 78   |
| 9) Benzaldehyde                | 6.55  | 77   | 479309   | 55.69  | ng    | # 76   |
| 10) Phenol                     | 6.62  | 94   | 622249   | 43.07  | ng    | # 93   |
| 11) bis(2-Chloroethyl)ether    | 6.84  | 93   | 572596   | 50.87  | ng    | # 95   |
| 12) 1,3-Dichlorobenzene        | 7.27  | 146  | 476352   | 41.12  | ng    | # 78   |
| 13) 1,4-Dichlorobenzene        | 7.42  | 146  | 480179   | 40.44  | ng    | # 88   |
| 14) 1,2-Dichlorobenzene        | 7.73  | 146  | 470888   | 41.48  | ng    | # 90   |
| 15) Benzyl Alcohol             | 7.63  | 79   | 222330   | 17.42  | ng    | # 83   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.93  | 45   | 460661   | 45.48  | ng    | # 74   |
| 17) 2-Methylphenol             | 7.84  | 107  | 421404   | 45.64  | ng    | # 72   |
| 18) Hexachloroethane           | 8.44  | 117  | 219987   | 42.49  | ng    | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.20  | 70   | 540976   | 47.86  | ng    | # 94   |
| 20) 3+4-Methylphenols          | 8.17  | 107  | 568603   | 44.30  | ng    | # 80   |
| 22) Acetophenone               | 8.20  | 105  | 840070   | 40.92  | ng    | # 91   |
| 24) Nitrobenzene               | 8.57  | 77   | 850225   | 44.96  | ng    | # 86   |
| 25) Isophorone                 | 9.10  | 82   | 1318283  | 43.33  | ng    | # 84   |
| 26) 2-Nitrophenol              | 9.27  | 139  | 247636   | 41.16  | ng    | # 14   |
| 27) 2,4-Dimethylphenol         | 9.35  | 122  | 452689   | 42.74  | ng    | # 62   |
| 28) bis(2-Chloroethoxy)methane | 9.59  | 93   | 443264   | 26.12  | ng    | # 98   |
| 29) 2,4-Dichlorophenol         | 9.80  | 162  | 548646   | 46.10  | ng    | # 96   |
| 30) 1,2,4-Trichlorobenzene     | 10.02 | 180  | 633025   | 43.01  | ng    | # 98   |
| 31) Naphthalene                | 10.19 | 128  | 1459972  | 42.37  | ng    | # 99   |
| 32) Benzoic acid               | 9.50  | 122  | 320137   | 37.60  | ng    | # 68   |
| 33) 4-Chloroaniline            | 10.36 | 127  | 174887   | 12.72  | ng    | # 75   |
| 34) Hexachlorobutadiene        | 10.48 | 225  | 491324   | 42.39  | ng    | # 99   |
| 35) Caprolactam                | 11.12 | 113  | 27662    | 8.20   | ng    | # 76   |
| 36) 4-Chloro-3-methylphenol    | 11.45 | 107  | 632092   | 41.13  | ng    | # 76   |
| 37) 2-Methylnaphthalene        | 11.82 | 142  | 1212325  | 47.90  | ng    | # 85   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.20 | 216  | 872682   | 41.62  | ng    | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.18 | 237  | 1335847  | 109.33 | ng    | # 97   |
| 42) 2,4,6-Trichlorophenol      | 12.46 | 196  | 545115   | 42.95  | ng    | # 98   |
| 43) 2,4,5-Trichlorophenol      | 12.52 | 196  | 579885   | 44.36  | ng    | # 86   |

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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

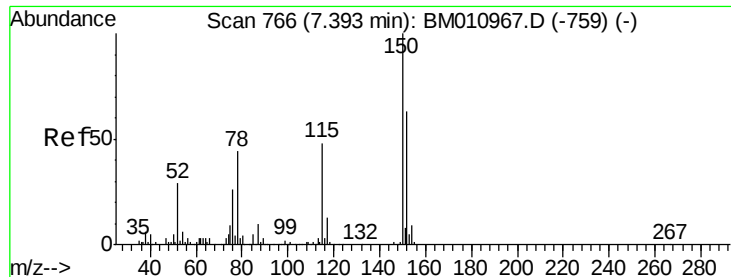
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

Quant Time: Jul 28 22:54:21 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 45) 1,1'-Biphenyl              | 12.86 | 154  | 1725320  | 40.88  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 12.90 | 162  | 1367611  | 43.98  | nq    | 96       |
| 47) 2-Nitroaniline             | 13.12 | 65   | 325823   | 29.62  | nq #  | 65       |
| 48) Acenaphthylene             | 13.76 | 152  | 1668743  | 35.96  | nq    | 99       |
| 49) Dimethylphthalate          | 13.52 | 163  | 1729190  | 41.42  | nq #  | 98       |
| 50) 2,6-Dinitrotoluene         | 13.63 | 165  | 361693   | 42.84  | nq #  | 49       |
| 51) Acenaphthene               | 14.11 | 154  | 1245992  | 43.37  | nq    | 99       |
| 52) 3-Nitroaniline             | 13.96 | 138  | 182942   | 24.97  | nq #  | 36       |
| 53) 2,4-Dinitrophenol          | 14.17 | 184  | 513114   | 85.51  | nq #  | 87       |
| 54) Dibenzofuran               | 14.45 | 168  | 2254201  | 48.42  | nq #  | 91       |
| 55) 4-Nitrophenol              | 14.29 | 139  | 470945   | 73.16  | nq    | 89       |
| 56) 2,4-Dinitrotoluene         | 14.43 | 165  | 503894   | 42.51  | nq #  | 80       |
| 57) Fluorene                   | 15.10 | 166  | 1826231  | 45.05  | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.68 | 232  | 615882   | 50.27  | nq #  | 100      |
| 59) Diethylphthalate           | 14.90 | 149  | 1827652  | 42.86  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.11 | 204  | 1126045  | 46.01  | nq    | 99       |
| 61) 4-Nitroaniline             | 15.14 | 138  | 216435   | 27.81  | nq #  | 1        |
| 62) Azobenzene                 | 15.40 | 77   | 2154754  | 47.22  | nq    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 15.19 | 198  | 336755   | 41.09  | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 15.33 | 169  | 406777   | 11.74  | nq    | 94       |
| 66) 4-Bromophenyl-phenylether  | 16.00 | 248  | 727458   | 46.74  | nq #  | 89       |
| 67) Hexachlorobenzene          | 16.11 | 284  | 763974   | 43.44  | nq #  | 87       |
| 69) Pentachlorophenol          | 16.46 | 266  | 940384   | 84.22  | nq    | 96       |
| 70) Phenanthrene               | 16.84 | 178  | 2908586  | 45.88  | nq    | 100      |
| 71) Anthracene                 | 16.93 | 178  | 2839174  | 44.91  | nq    | 98       |
| 72) Carbazole                  | 17.21 | 167  | 332710   | 6.02   | nq    | 98       |
| 73) Di-n-butylphthalate        | 17.80 | 149  | 2853486  | 42.38  | nq #  | 97       |
| 74) Fluoranthene               | 18.87 | 202  | 3299624  | 42.00  | nq    | 97       |
| 77) Pvrene                     | 19.24 | 202  | 3019258  | 43.69  | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.18 | 149  | 1046066  | 42.57  | nq #  | 69       |
| 80) Benzo(a)anthracene         | 21.00 | 228  | 2995430  | 45.11  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 20.96 | 252  | 81800    | 3.14   | nq    | 96       |
| 82) Chrysene                   | 21.06 | 228  | 2879004  | 45.17  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 20.97 | 149  | 1567739  | 43.37  | nq #  | 96       |
| 84) Di-n-octyl phthalate       | 21.82 | 149  | 2573399  | 43.86  | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.21 | 276  | 2452395  | 37.15  | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 22.51 | 252  | 3053393  | 345.05 | nq #  | 92       |
| 88) Benzo(k)fluoranthene       | 22.55 | 252  | 2602750  | 306.88 | nq #  | 96       |
| 89) Benzo(a)pyrene             | 23.04 | 252  | 2081468  | 259.95 | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 25.22 | 278  | 2724870  | 367.09 | nq #  | 91       |
| 91) Benzo(g,h,i)perylene       | 25.84 | 276  | 2024838  | 277.79 | nq #  | 83       |

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



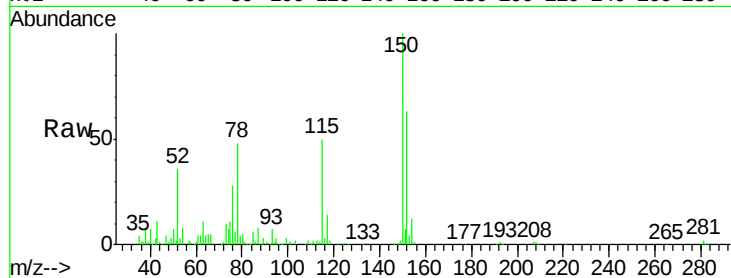


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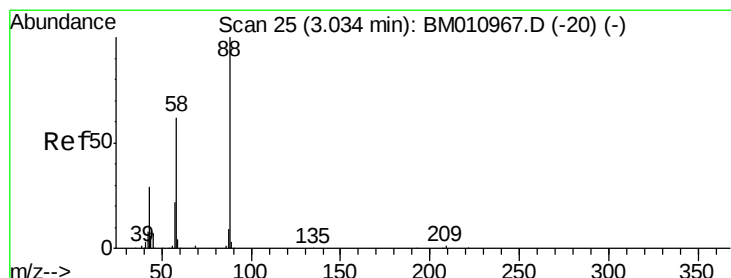
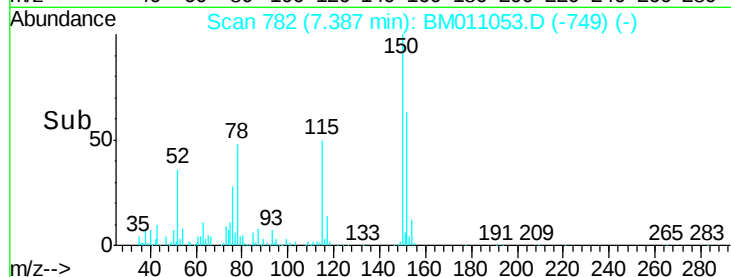
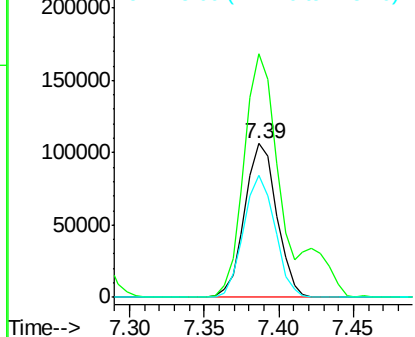
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.3 | 119.5 | 179.3 |
| 115     | 79.3  | 43.0  | 64.4  |



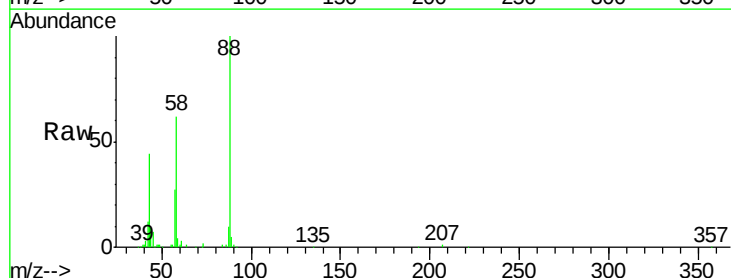
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



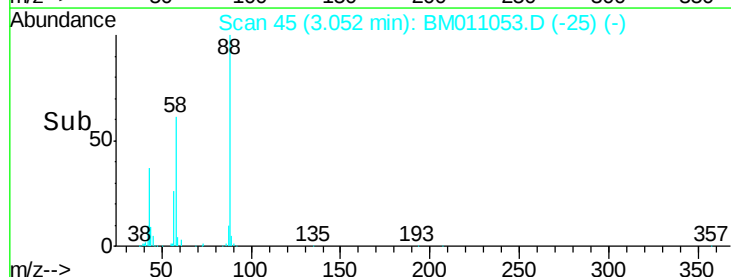
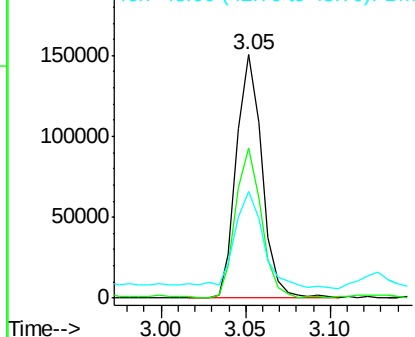
#2

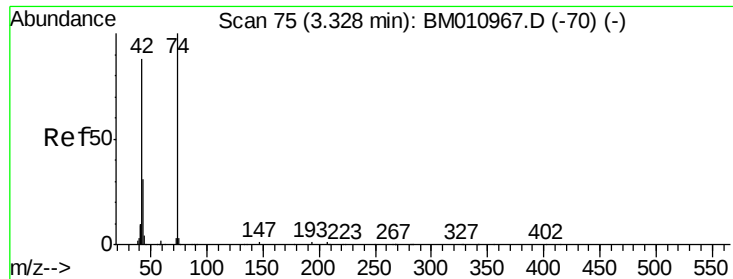
1,4-Dioxane  
Concen: 37.82 ng  
RT: 3.05 min Scan# 45  
Delta R.T. 0.02 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 61.2  | 0.0   | 0.0#  |
| 43      | 42.0  | 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





#4

n-Nitrosodimethylamine

Concen: 47.52 ng

RT: 3.33 min Scan# 93

Delta R.T. 0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

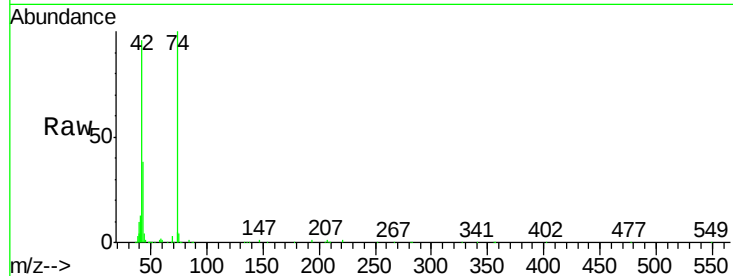
Tot Ion: 42 Resp: 278060

Ion Ratio Lower Upper

42 100

74 103.9 119.3 178.9#

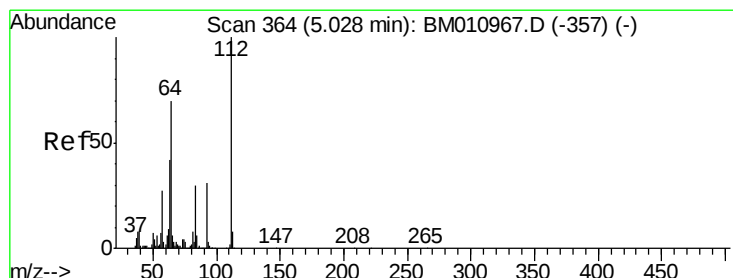
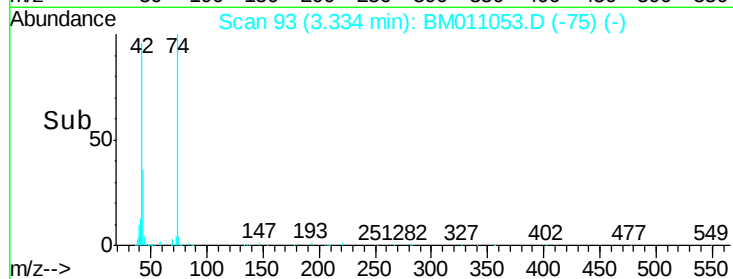
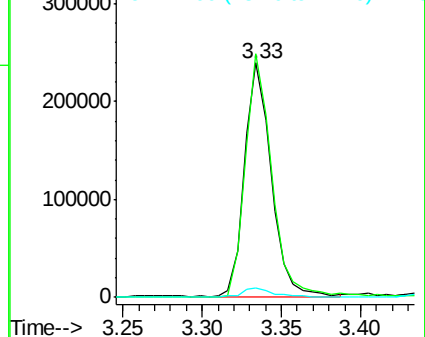
44 4.1 5.4 8.2#



Abundance Ion 42.00 (41.70 to 42.70): BM011053.D (-93) (-)

Ion 74.00 (73.70 to 74.70): BM011053.D (-93) (-)

Ion 44.00 (43.70 to 44.70): BM011053.D (-93) (-)



#5

2-Fluorophenol

Concen: 151.30 ng

RT: 5.03 min Scan# 382

Delta R.T. 0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

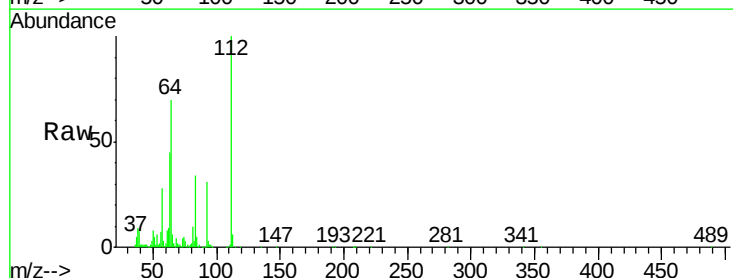
Tgt Ion: 112 Resp: 1416408

Ion Ratio Lower Upper

112 100

64 70.4 38.6 57.8#

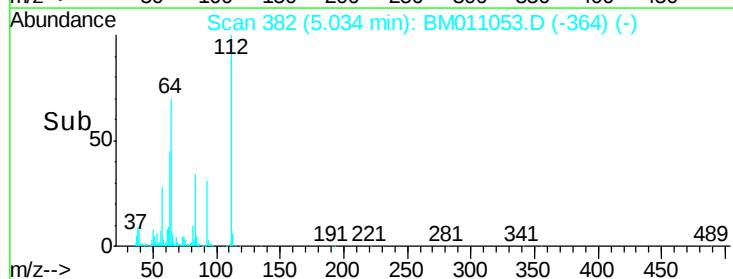
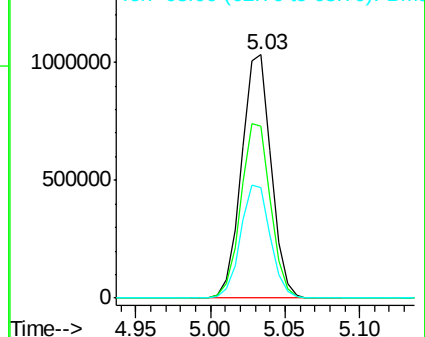
63 45.3 19.3 28.9#

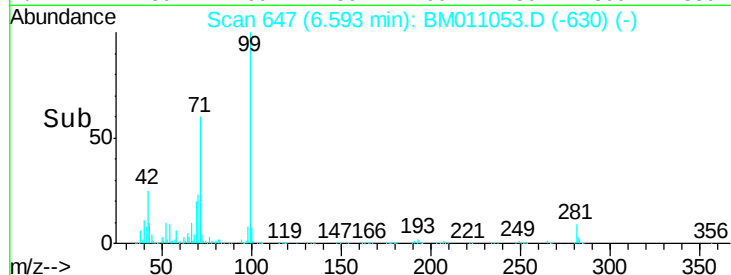
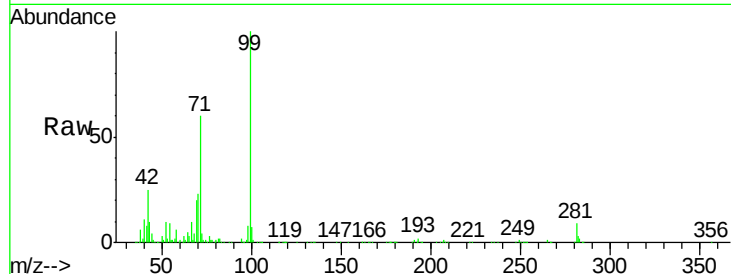
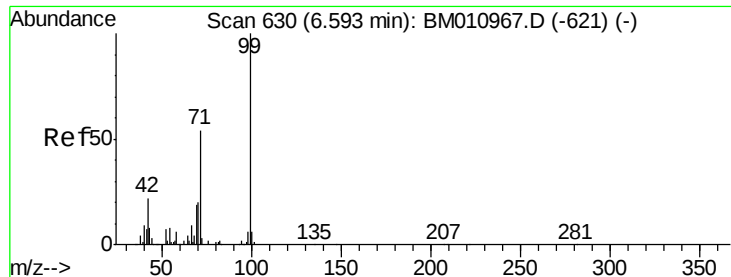


Abundance Ion 112.00 (111.70 to 112.70): BM011053.D (-382) (-)

Ion 64.00 (63.70 to 64.70): BM011053.D (-382) (-)

Ion 63.00 (62.70 to 63.70): BM011053.D (-382) (-)





#7

Phenol-d6

Concen: 140.93 ng

RT: 6.59 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

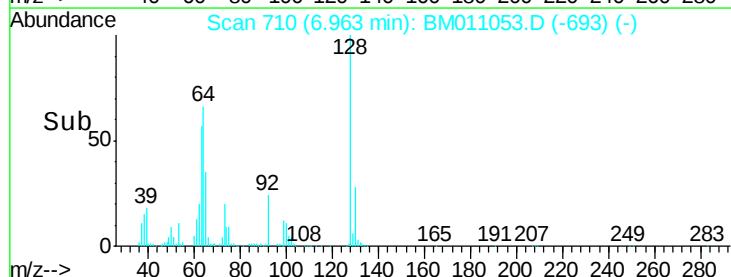
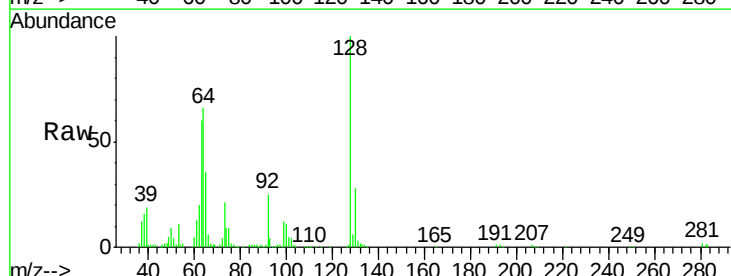
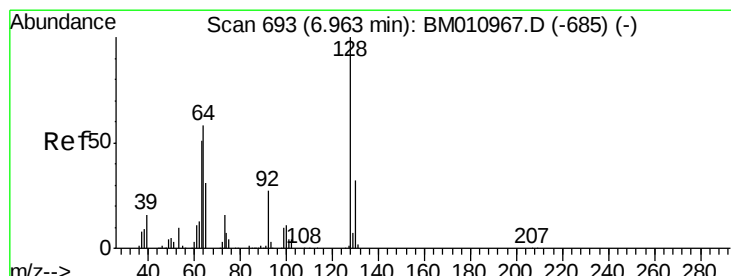
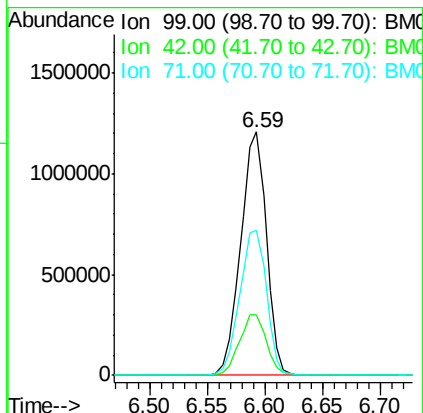
Tot Ion: 99 Resp: 1874585

Ion Ratio Lower Upper

99 100

42 24.7 11.0 16.4#

71 59.6 23.4 35.2#



#8

2-Chlorophenol

Concen: 43.64 ng

RT: 6.96 min Scan# 710

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

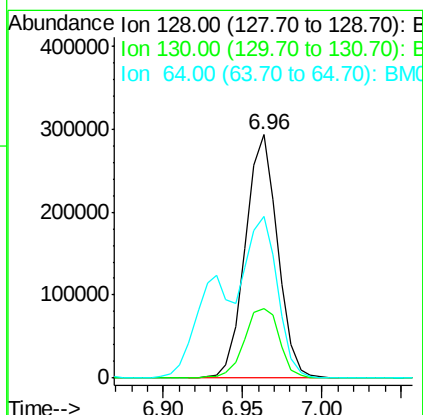
Tgt Ion:128 Resp: 414805

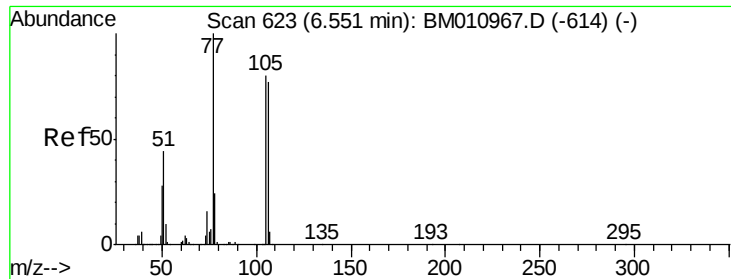
Ion Ratio Lower Upper

128 100

130 28.4 12.0 52.0

64 66.2 24.9 64.9#





#9

Benzaldehyde

Concen: 55.69 ng

RT: 6.55 min Scan# 640

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

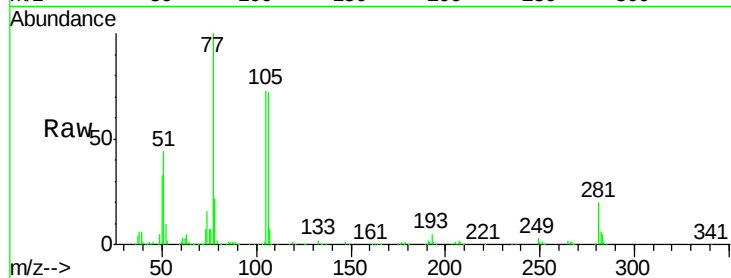
Tot Ion: 77 Resp: 479309

Ion Ratio Lower Upper

77 100

105 72.8 78.8 118.8#

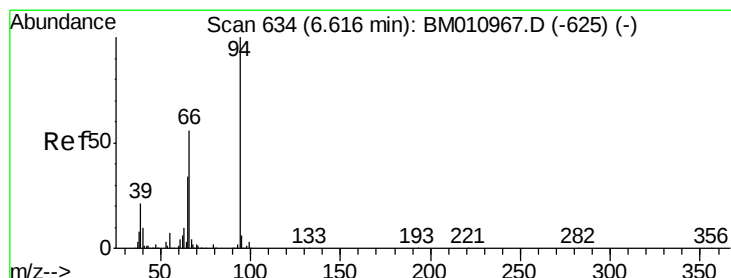
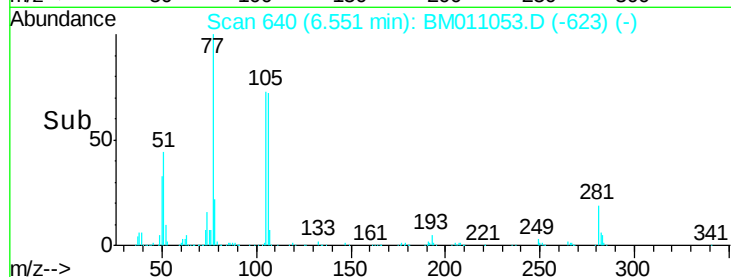
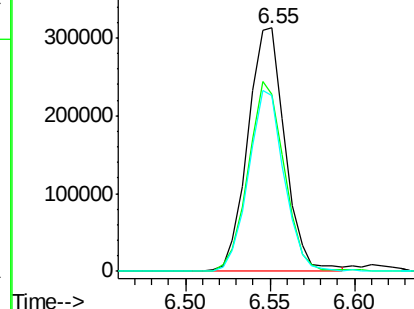
106 72.4 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM011053.D (-623) (-)

Ion 105.00 (104.70 to 105.70): BM011053.D (-623) (-)

Ion 106.00 (105.70 to 106.70): BM011053.D (-623) (-)



#10

Phenol

Concen: 43.07 ng

RT: 6.62 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

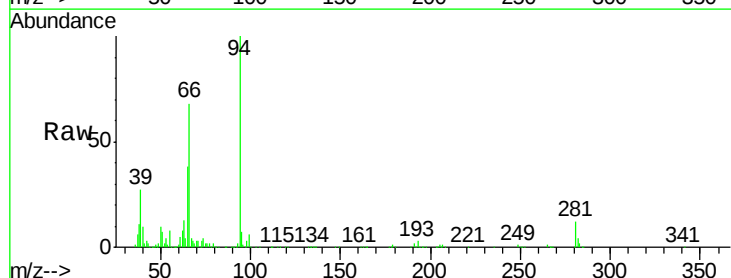
Tgt Ion: 94 Resp: 622249

Ion Ratio Lower Upper

94 100

65 38.1 18.8 58.8

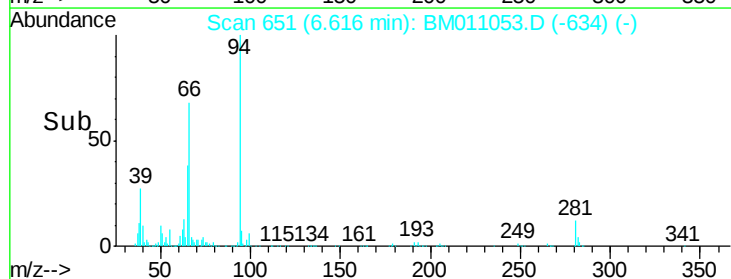
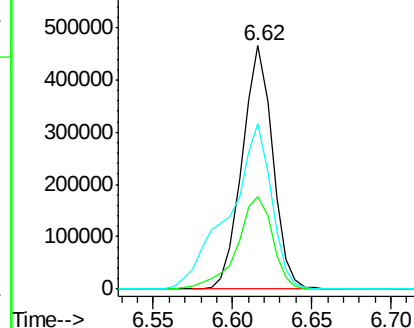
66 67.9 39.9 79.9

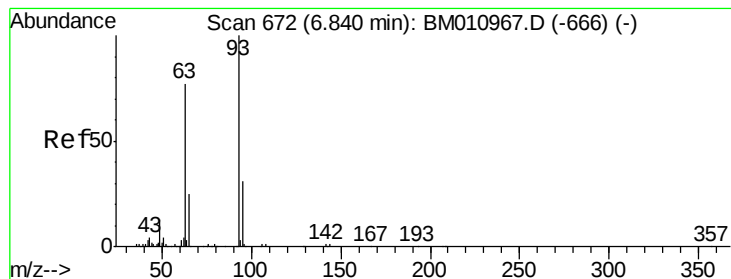


Abundance Ion 94.00 (93.70 to 94.70): BM011053.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM011053.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM011053.D (-634) (-)





#11

bis(2-Chloroethyl)ether

Concen: 50.87 ng

RT: 6.84 min Scan# 689

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

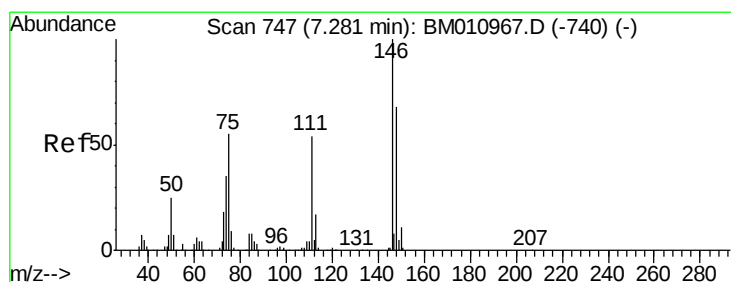
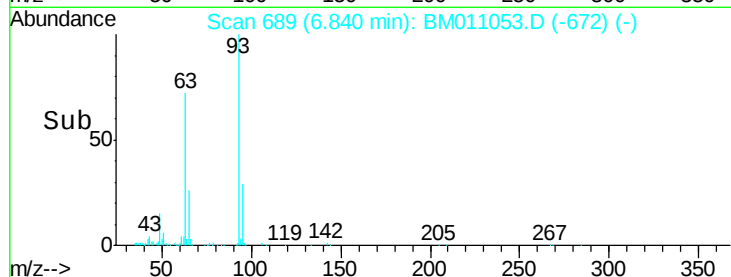
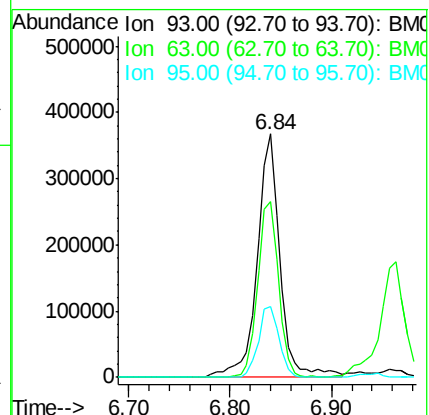
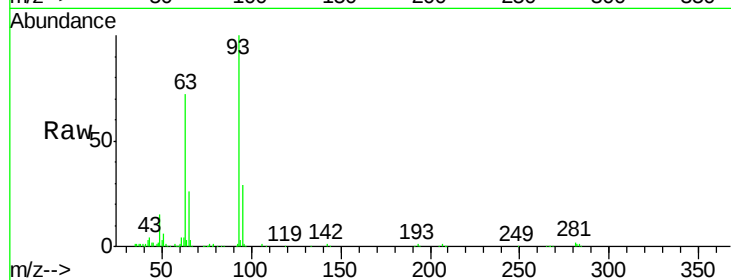
Tot Ion: 93 Resp: 572596

Ion Ratio Lower Upper

93 100

63 72.1 49.5 89.5

95 29.1 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 41.12 ng

RT: 7.27 min Scan# 763

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

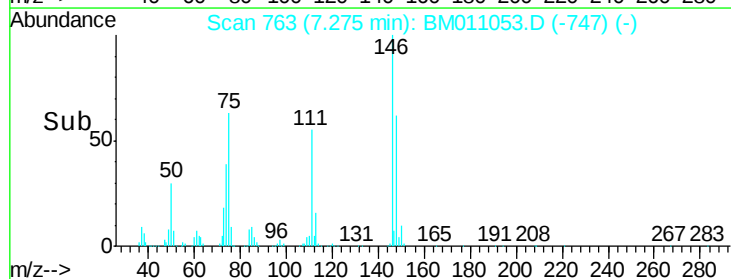
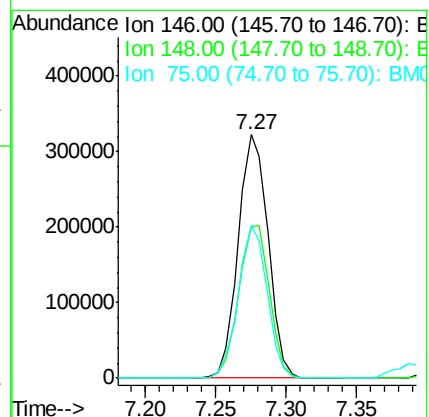
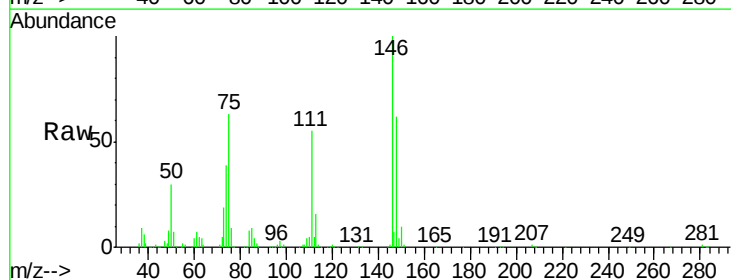
Tgt Ion: 146 Resp: 476352

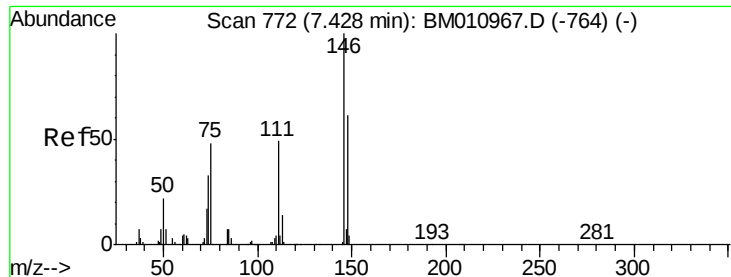
Ion Ratio Lower Upper

146 100

148 62.3 50.9 76.3

75 62.5 21.4 32.2#

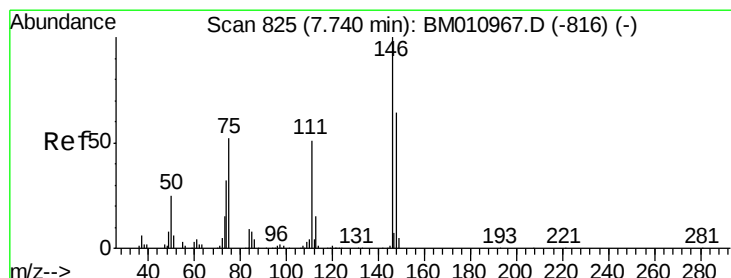
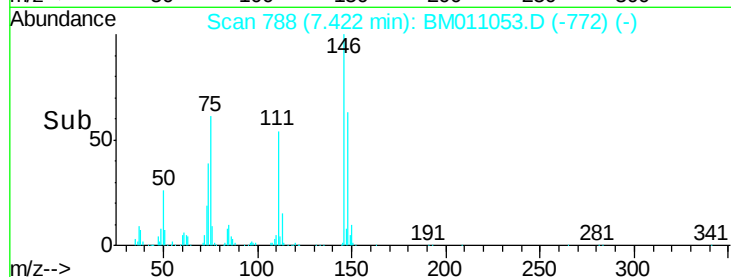
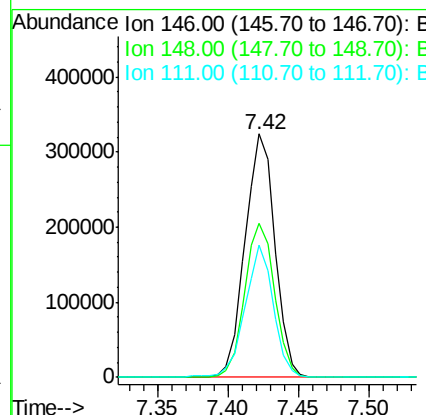
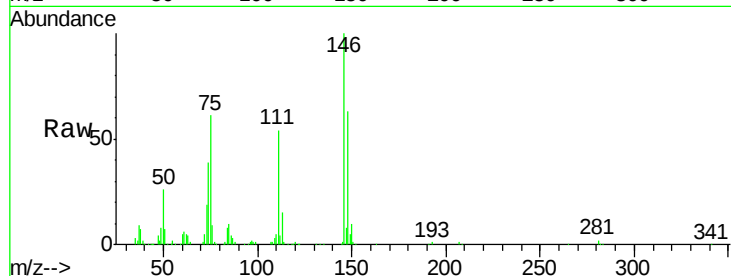




#13  
 1,4-Dichlorobenzene  
 Concen: 40.44 ng  
 RT: 7.42 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

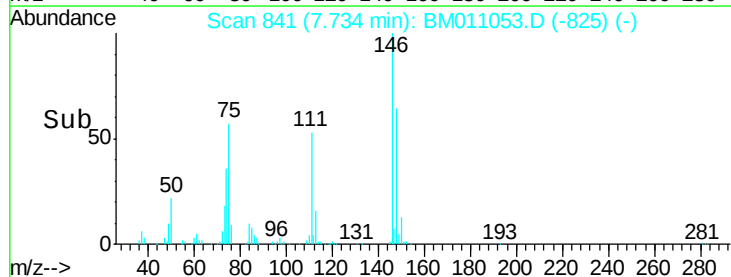
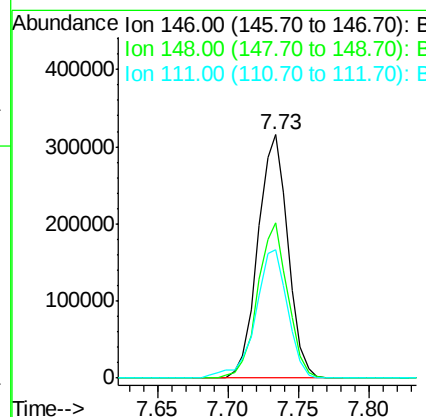
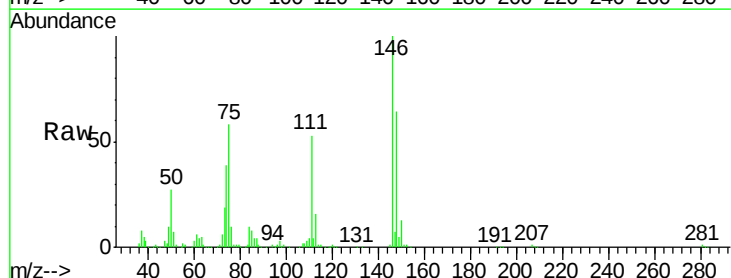
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

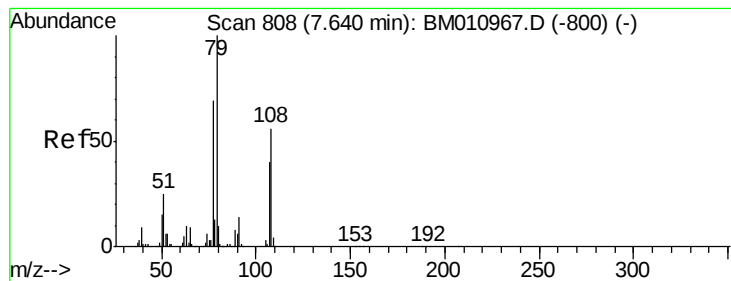
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.3  | 51.9  | 77.9  |
| 111     | 54.4  | 29.2  | 43.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 41.48 ng  
 RT: 7.73 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 52.3  | 78.5  |
| 111     | 52.7  | 30.6  | 45.8  |





#15

Benzyl Alcohol

Concen: 17.42 ng

RT: 7.63 min Scan# 824

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

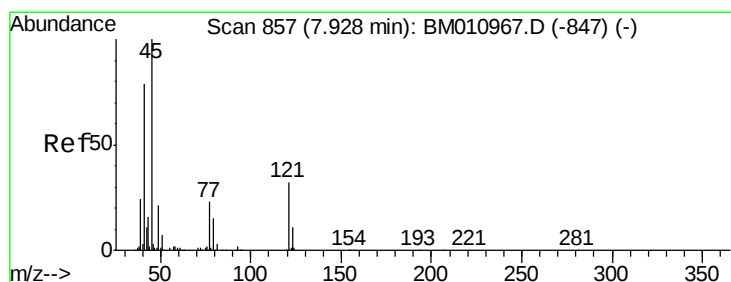
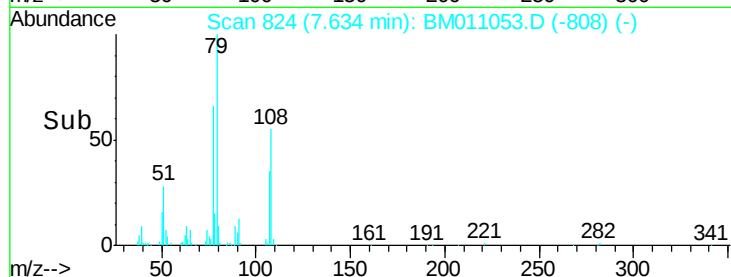
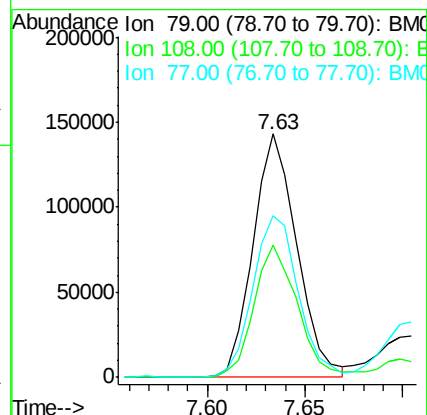
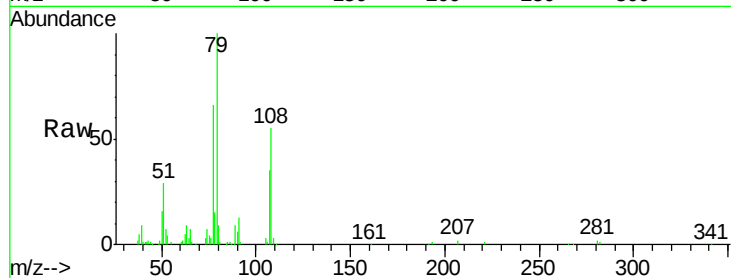
Tot Ion: 79 Resp: 222330

Ion Ratio Lower Upper

79 100

108 54.5 65.0 97.4#

77 66.3 53.0 79.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.48 ng

RT: 7.93 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

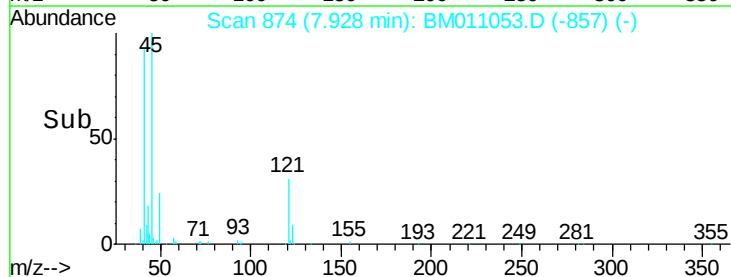
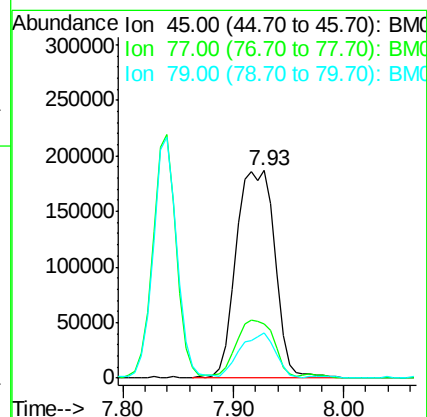
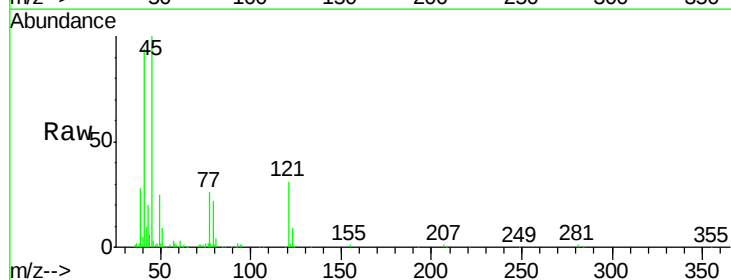
Tgt Ion: 45 Resp: 460661

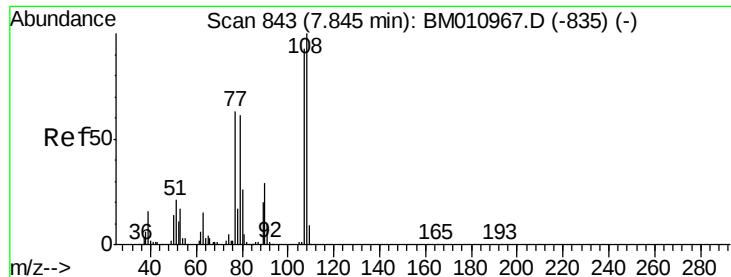
Ion Ratio Lower Upper

45 100

77 26.1 0.0 35.2

79 22.1 0.0 32.0





#17

2-Methylphenol

Concen: 45.64 ng

RT: 7.84 min Scan# 859

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:107 Resp: 421404

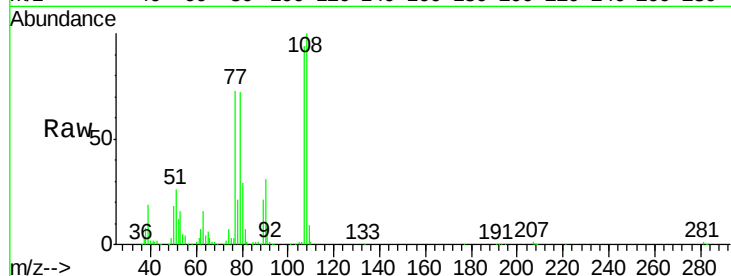
Ion Ratio Lower Upper

107 100

108 106.5 89.8 134.8

77 77.4 32.6 48.8#

79 76.7 32.8 49.2#

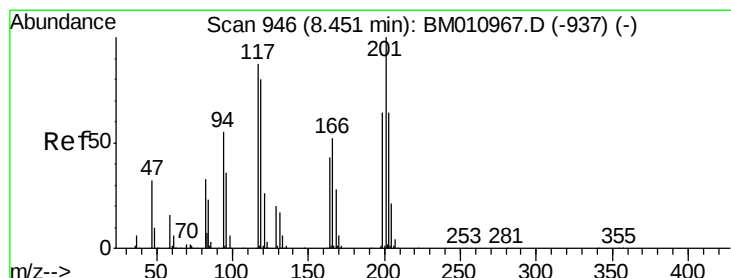
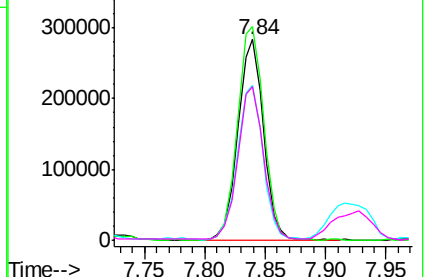
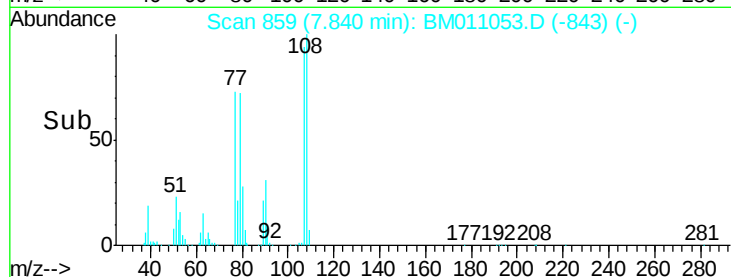


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 42.49 ng

RT: 8.44 min Scan# 961

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

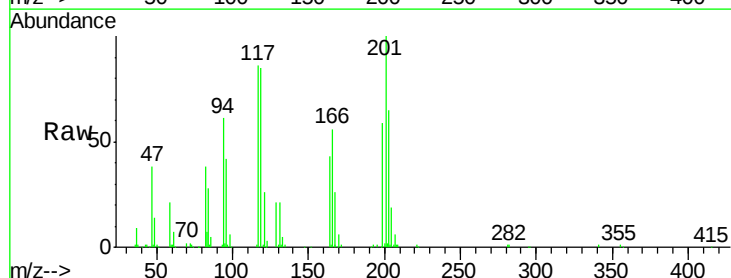
Tgt Ion:117 Resp: 219987

Ion Ratio Lower Upper

117 100

119 99.1 79.2 118.8

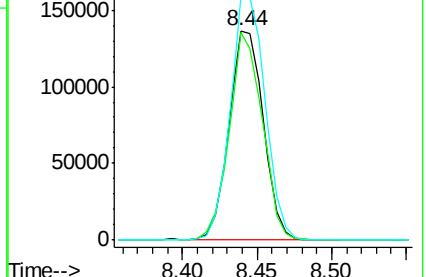
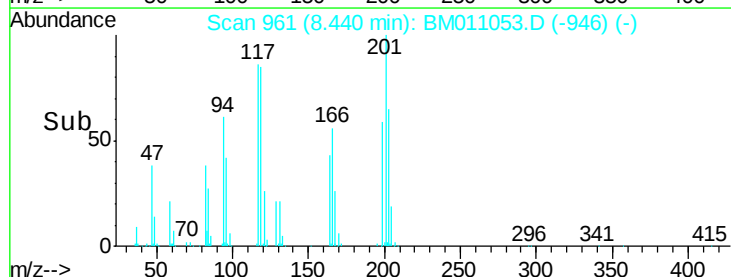
201 116.2 69.8 104.6#

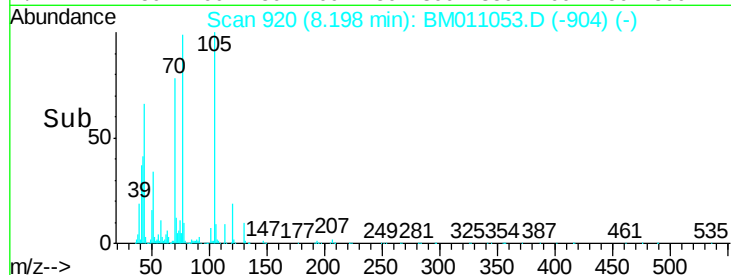
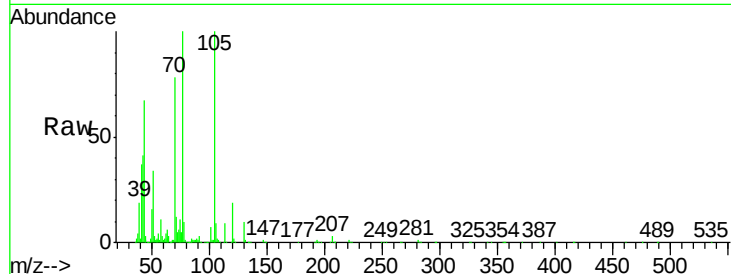
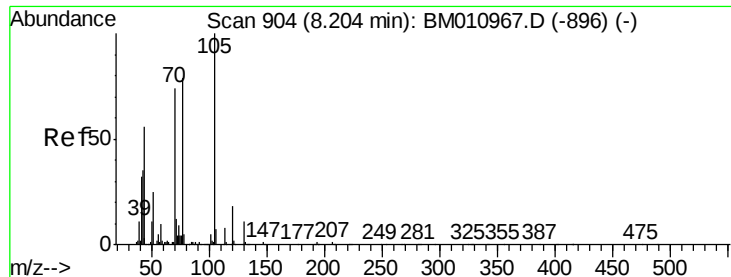


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

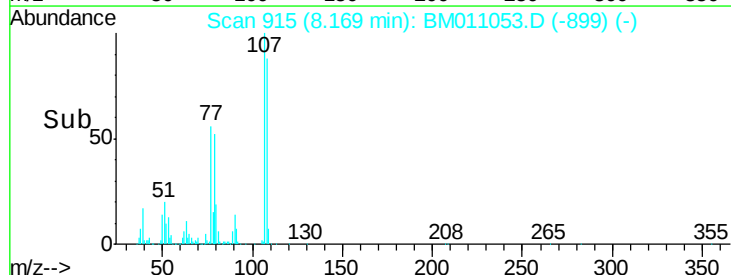
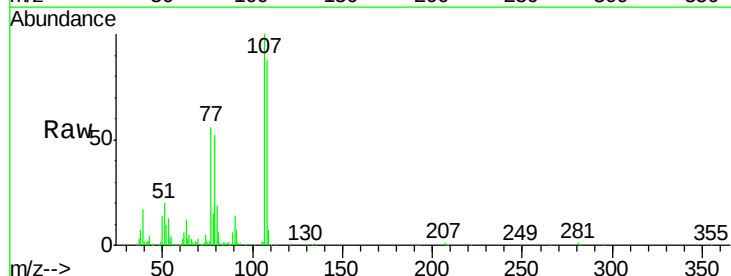
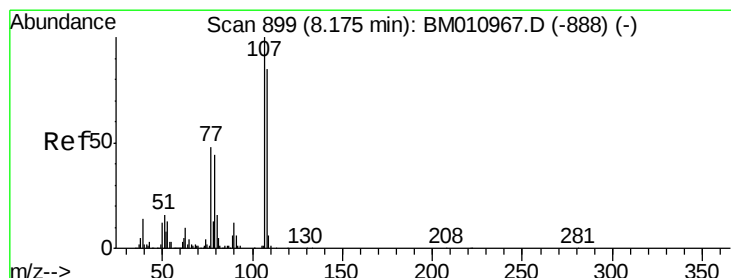
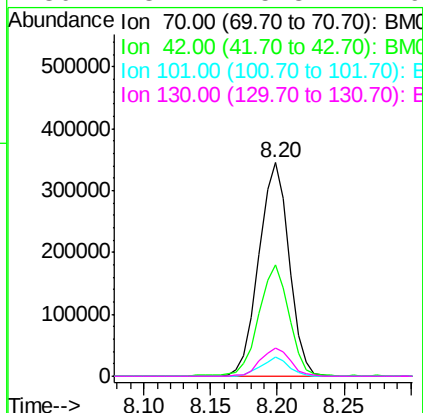




#19  
n-Nitroso-di-n-propylamine  
Concen: 47.86 ng  
RT: 8.20 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

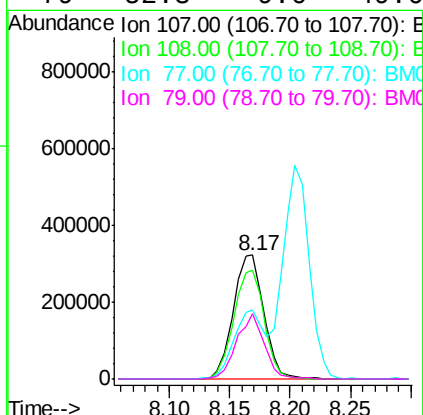
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

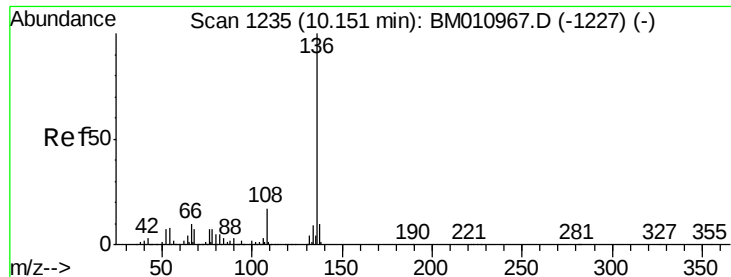
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 540976 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 52.0  | 44.5  | 66.7   |
| 101      | 9.1   | 7.4   | 11.2   |
| 130      | 13.4  | 15.3  | 22.9#  |



#20  
3+4-Methylphenols  
Concen: 44.30 ng  
RT: 8.17 min Scan# 915  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 568603 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.4  | 73.2  | 113.2  |
| 77       | 56.2  | 10.7  | 50.7#  |
| 79       | 52.3  | 9.6   | 49.6#  |

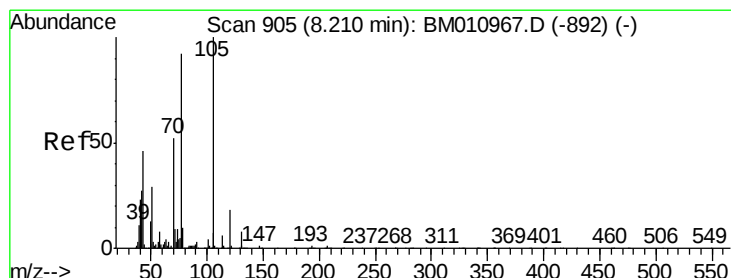
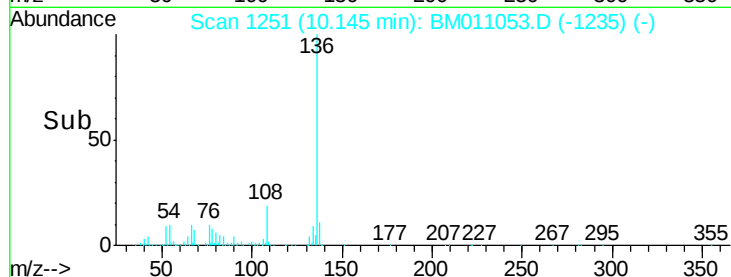
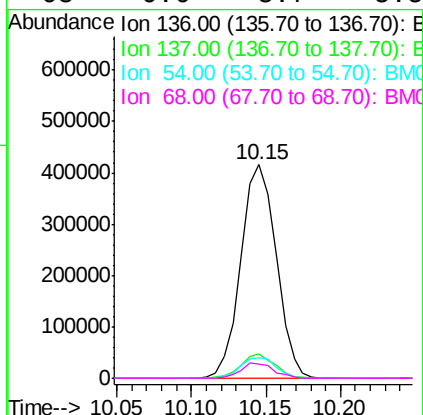
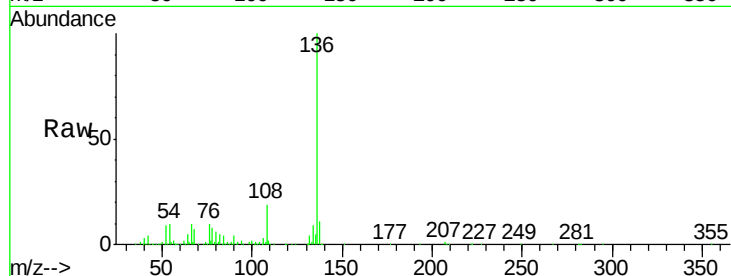




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.15 min Scan# 1251  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

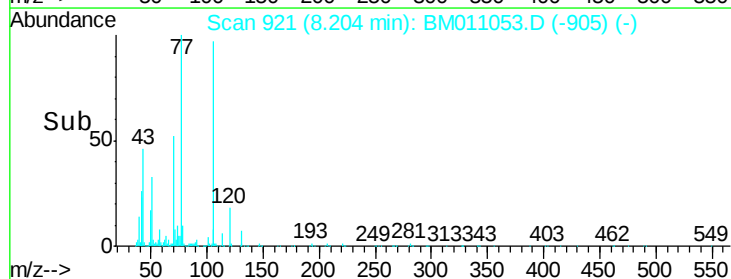
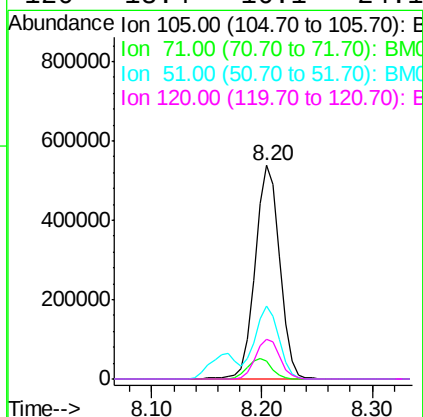
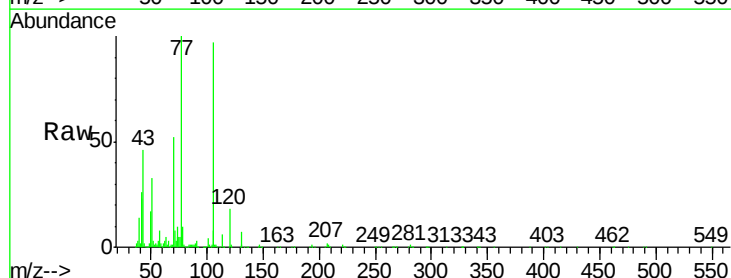
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

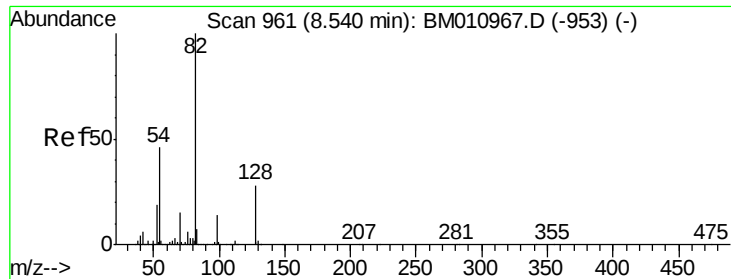
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 684898      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.1  | 8.7 13.1    |
| 54          | 9.5   | 4.6 6.8#    |
| 68          | 6.6   | 3.7 5.5#    |



#22  
Acetophenone  
Concen: 40.92 ng  
RT: 8.20 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 840070      |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 8.1   | 0.6 1.0#    |
| 51          | 34.0  | 21.6 32.4#  |
| 120         | 18.4  | 16.1 24.1   |

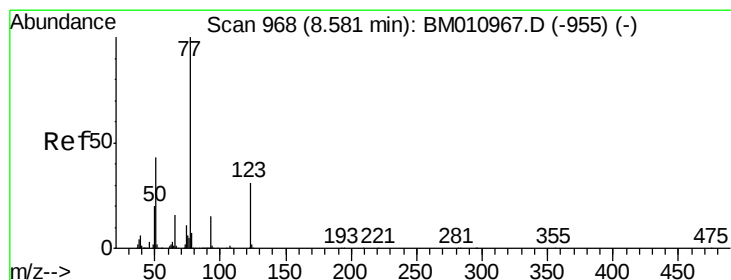
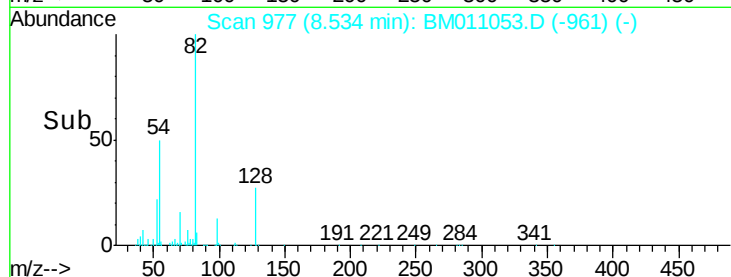
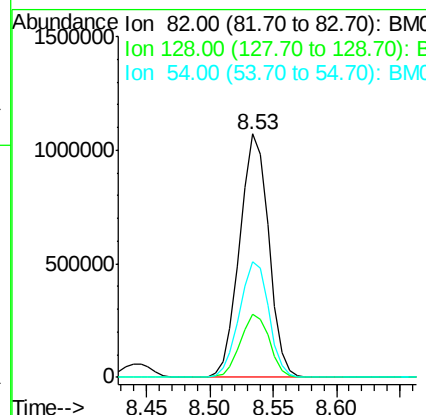
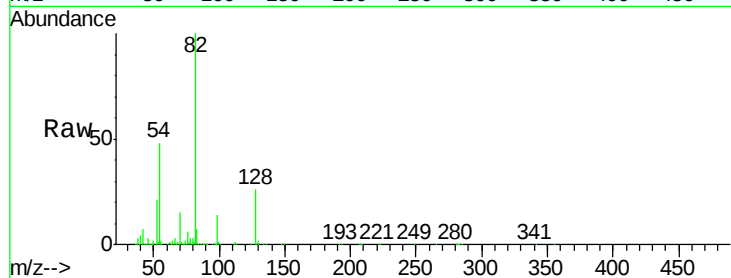




#23  
 Nitrobenzene-d5  
 Concen: 93.23 ng  
 RT: 8.53 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

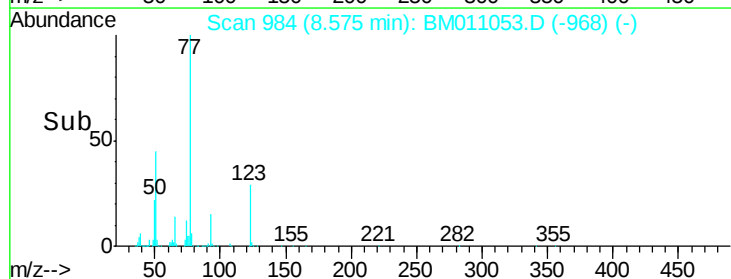
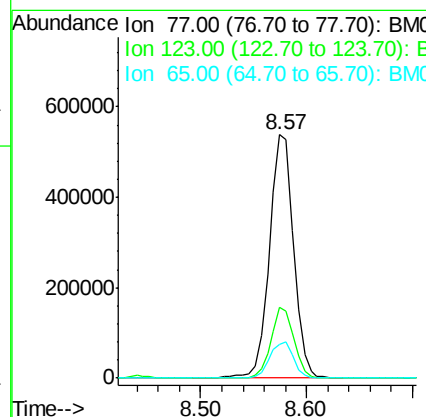
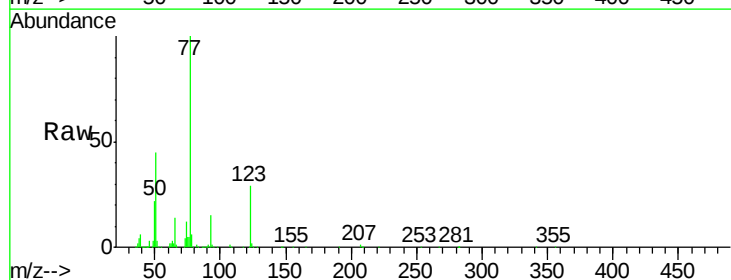
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

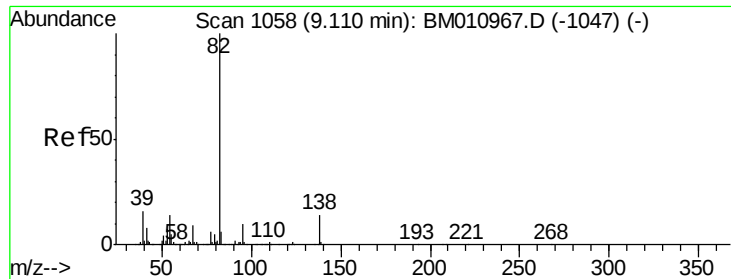
Tot Ion: 82 Resp: 1701380  
 Ion Ratio Lower Upper  
 82 100  
 128 25.7 32.8 49.2#  
 54 47.6 40.6 60.8



#24  
 Nitrobenzene  
 Concen: 44.96 ng  
 RT: 8.57 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion: 77 Resp: 850225  
 Ion Ratio Lower Upper  
 77 100  
 123 29.2 32.6 49.0#  
 65 14.0 10.9 16.3





#25

Isophorone

Concen: 43.33 ng

RT: 9.10 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

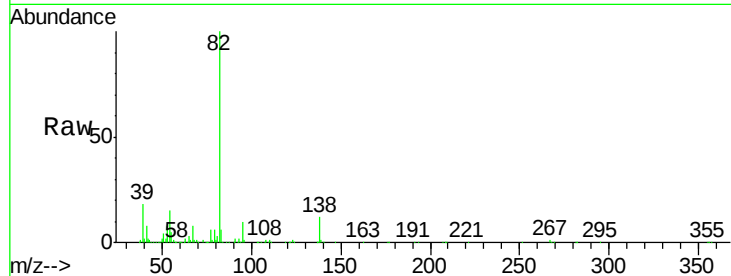
Tot Ion: 82 Resp: 1318283

Ion Ratio Lower Upper

82 100

95 10.2 5.8 8.6#

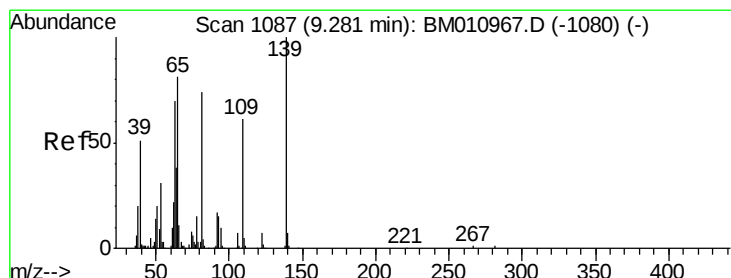
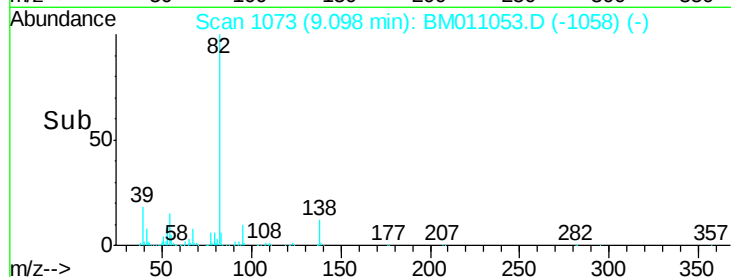
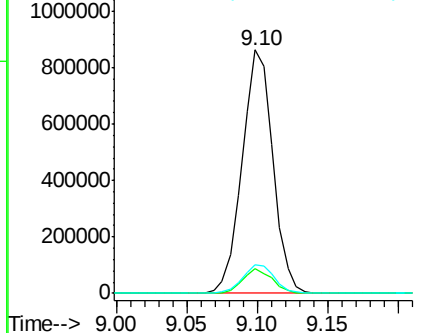
138 12.0 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BM011053.D (-1058) (-)

Ion 95.00 (94.70 to 95.70): BM011053.D (-1058) (-)

Ion 138.00 (137.70 to 138.70): BM011053.D (-1058) (-)



#26

2-Nitrophenol

Concen: 41.16 ng

RT: 9.27 min Scan# 1103

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

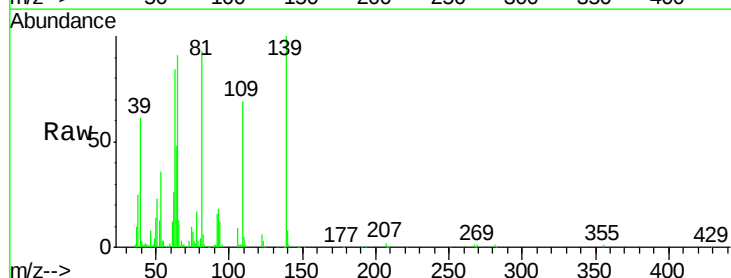
Tgt Ion: 139 Resp: 247636

Ion Ratio Lower Upper

139 100

109 68.8 20.1 30.1#

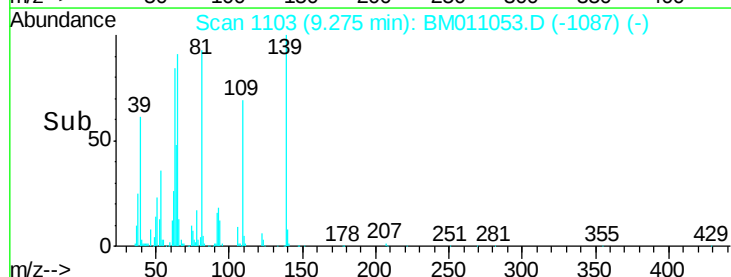
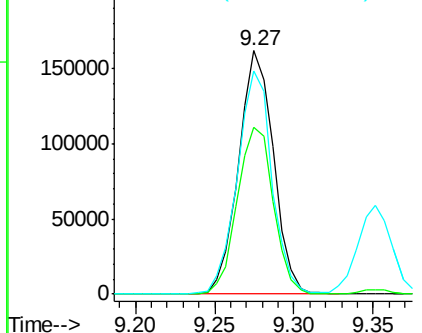
65 91.5 31.5 47.3#

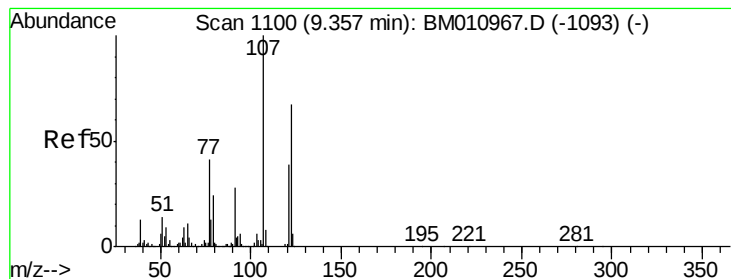


Abundance Ion 139.00 (138.70 to 139.70): BM011053.D (-1087) (-)

Ion 109.00 (108.70 to 109.70): BM011053.D (-1087) (-)

Ion 65.00 (64.70 to 65.70): BM011053.D (-1087) (-)





#27

2,4-Dimethylphenol

Concen: 42.74 ng

RT: 9.35 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

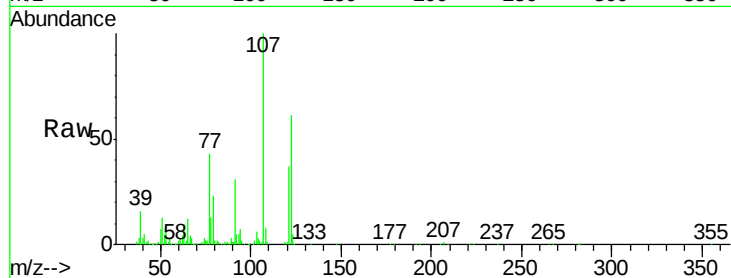
Tot Ion:122 Resp: 452689

Ion Ratio Lower Upper

122 100

107 165.1 84.7 127.1#

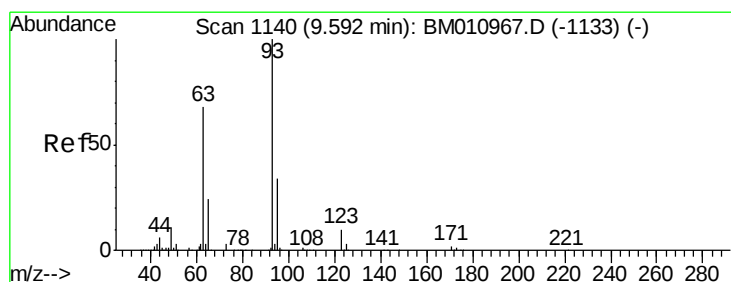
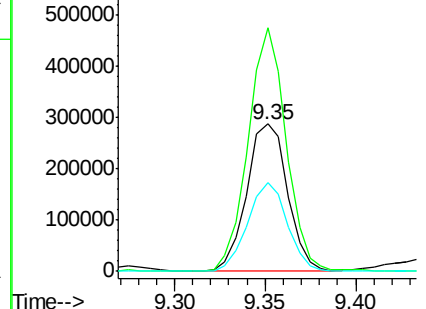
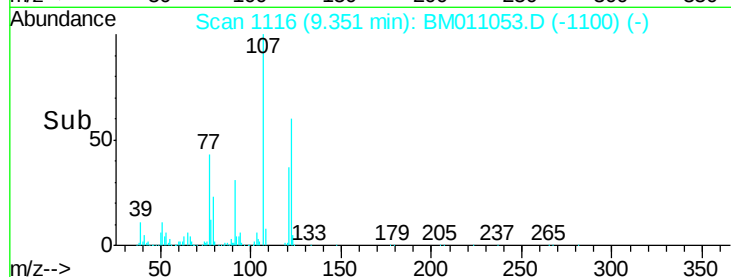
121 60.5 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 26.12 ng

RT: 9.59 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

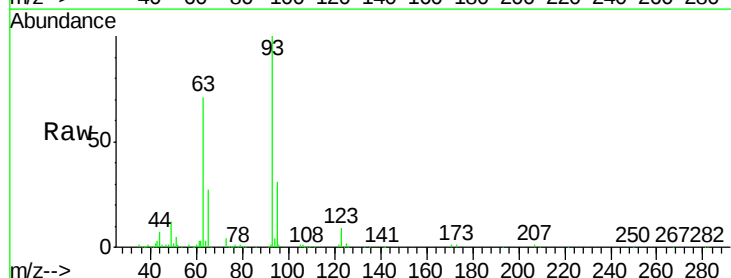
Tgt Ion: 93 Resp: 443264

Ion Ratio Lower Upper

93 100

95 31.4 25.5 38.3

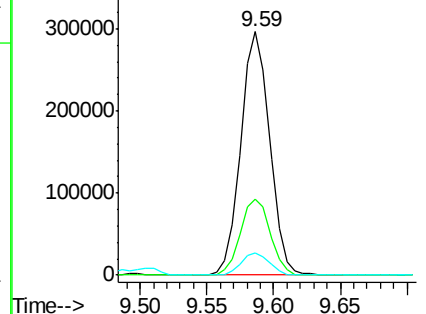
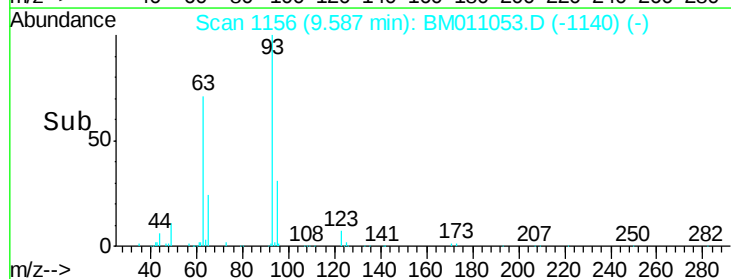
123 9.1 8.6 13.0

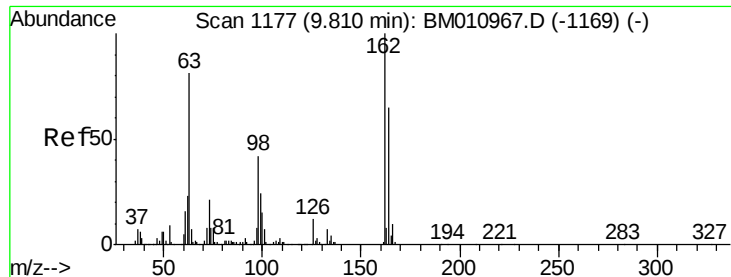


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

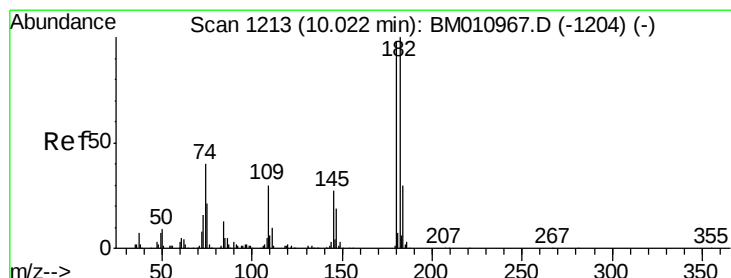
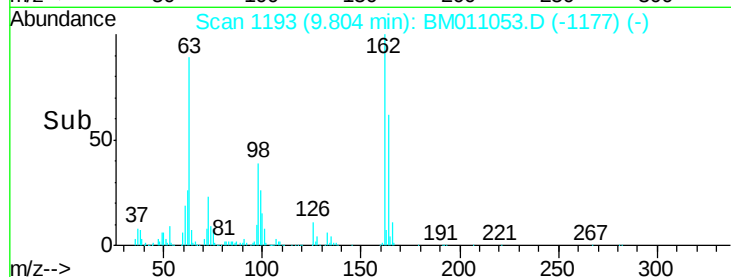
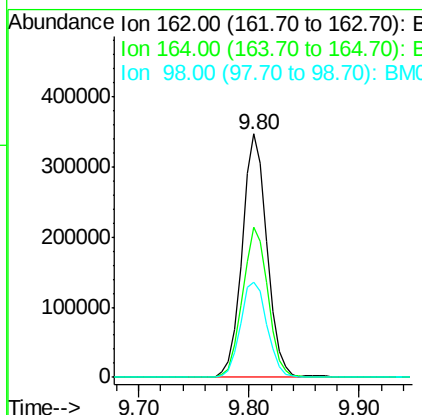
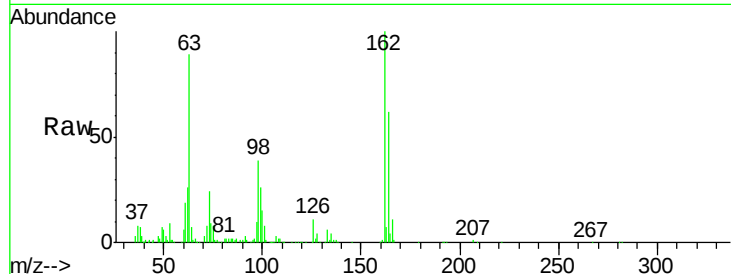




#29  
 2,4-Dichlorophenol  
 Concen: 46.10 ng  
 RT: 9.80 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

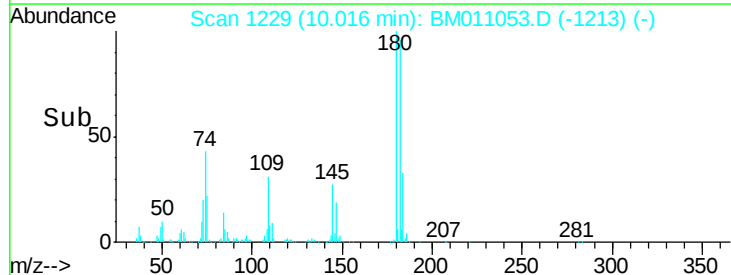
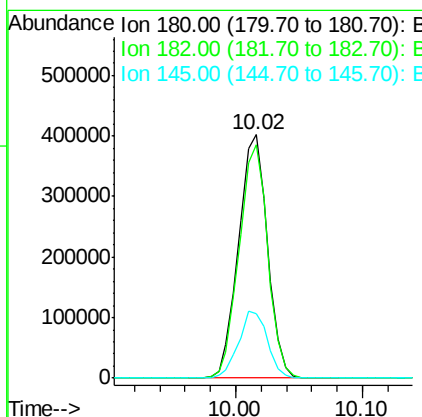
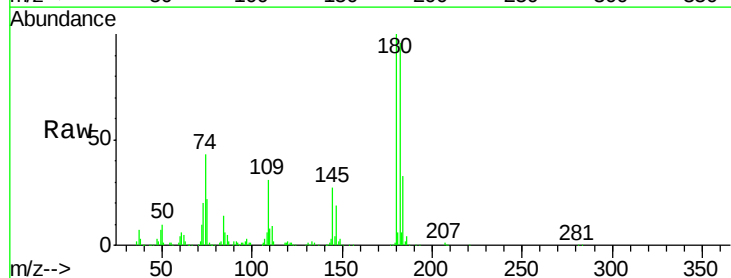
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

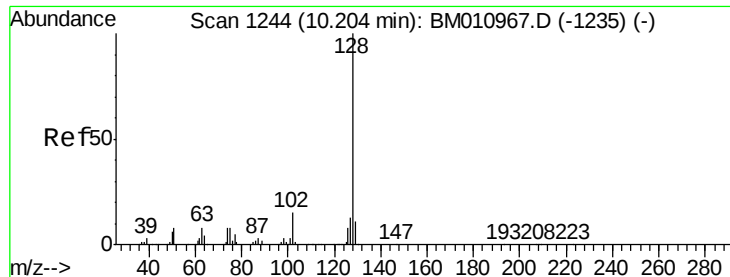
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.8  | 42.8  | 82.8  |
| 98      | 39.1  | 14.5  | 54.5  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.01 ng  
 RT: 10.02 min Scan# 1229  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 77.6  | 116.4 |
| 145     | 26.7  | 23.4  | 35.2  |

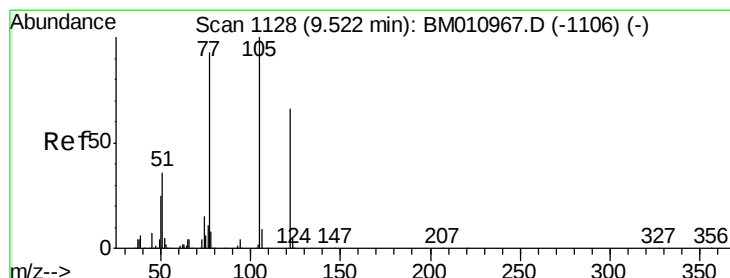
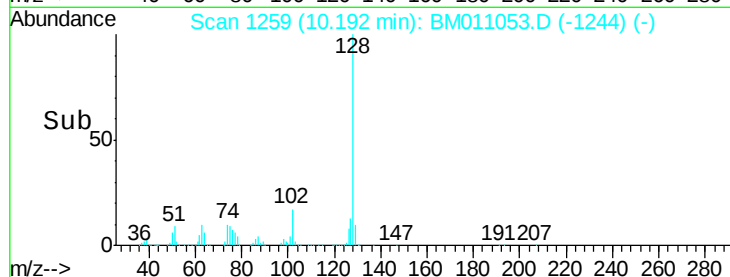
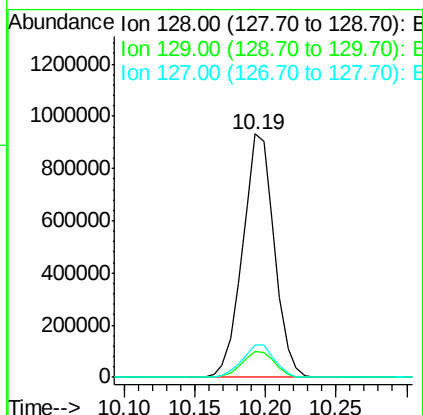
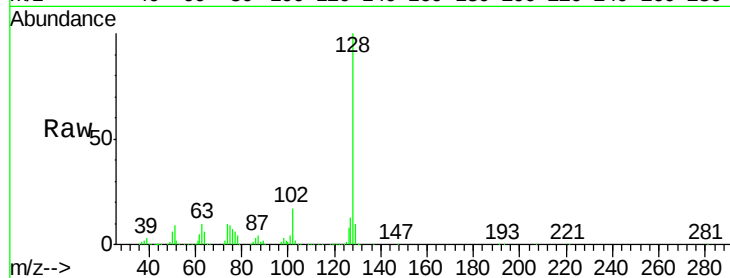




#31  
Naphthalene  
Concen: 42.37 ng  
RT: 10.19 min Scan# 1259  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

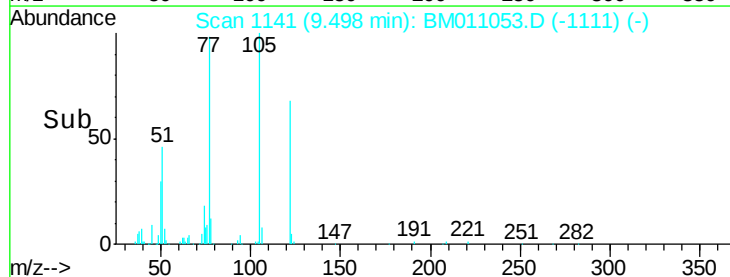
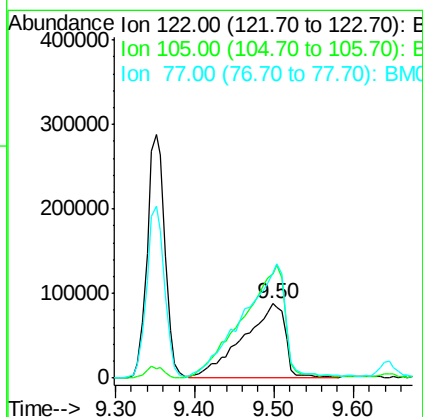
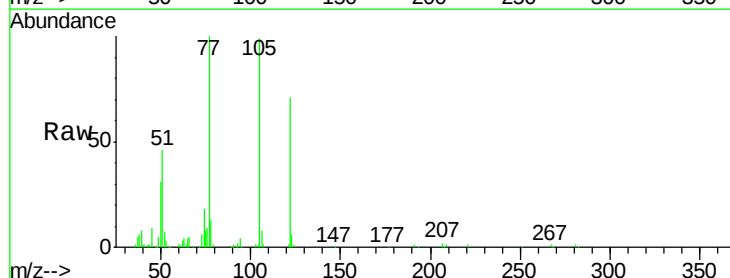
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

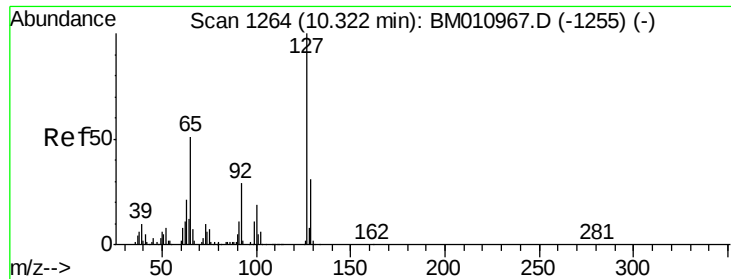
Tot Ion:128 Resp: 1459972  
Ion Ratio Lower Upper  
128 100  
129 10.4 8.9 13.3  
127 13.4 10.4 15.6



#32  
Benzoic acid  
Concen: 37.60 ng  
RT: 9.50 min Scan# 1141  
Delta R.T. -0.02 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Tgt Ion:122 Resp: 320137  
Ion Ratio Lower Upper  
122 100  
105 140.7 99.9 139.9#  
77 141.8 73.7 113.7#

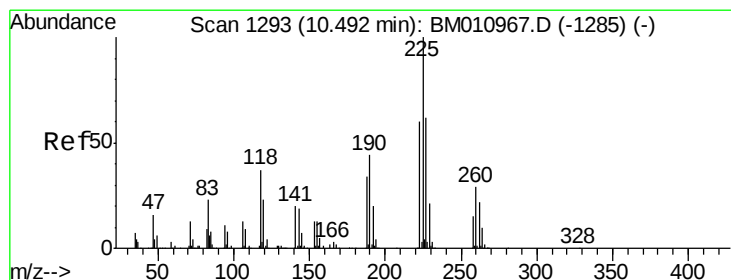
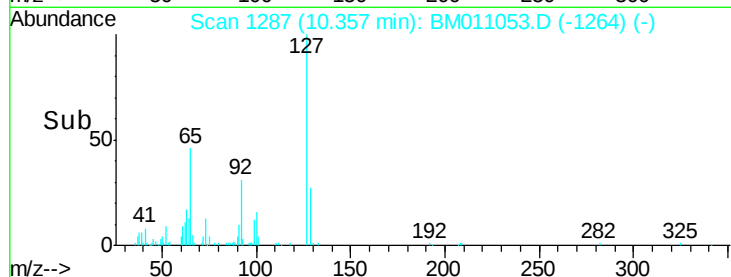
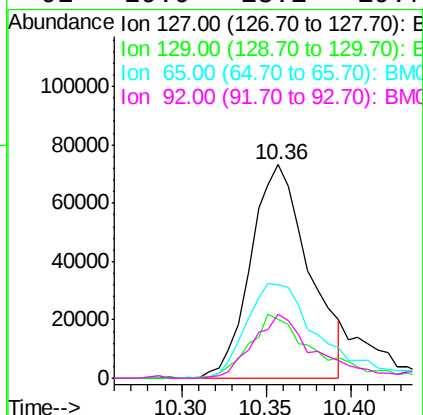
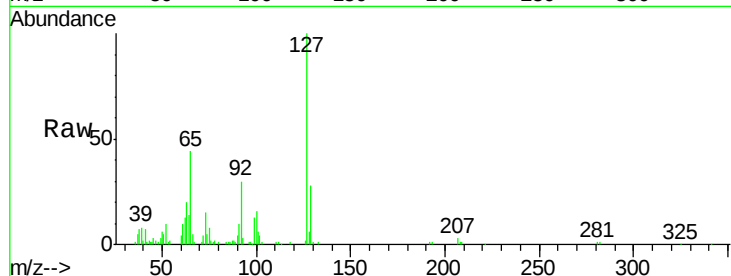




#33  
4-Chloroaniline  
Concen: 12.72 ng  
RT: 10.36 min Scan# 1287  
Delta R.T. 0.04 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

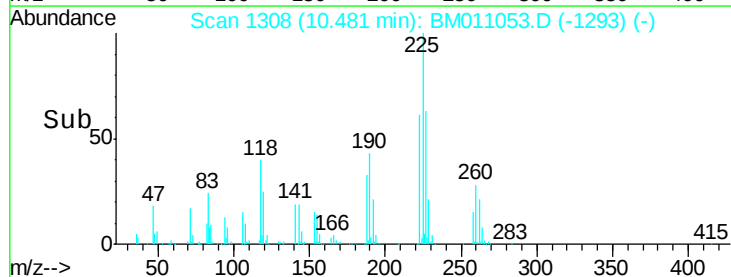
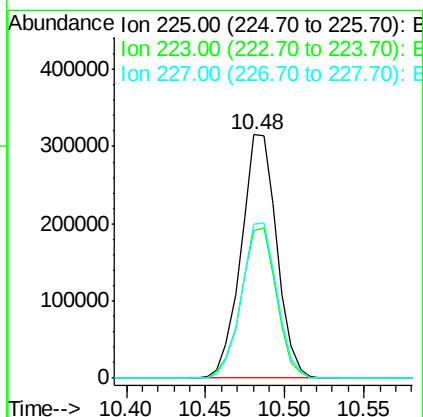
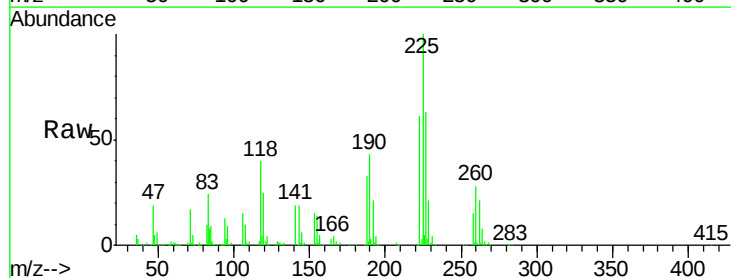
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

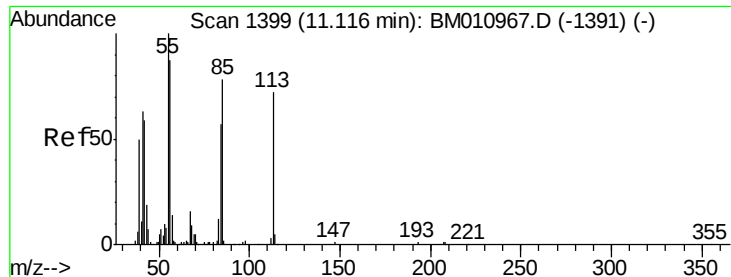
|             |       |            |
|-------------|-------|------------|
| Tot Ion:127 | Resp: | 174887     |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 27.6  | 25.3 37.9  |
| 65          | 44.1  | 17.6 26.4# |
| 92          | 29.9  | 13.1 19.7# |



#34  
Hexachlorobutadiene  
Concen: 42.39 ng  
RT: 10.48 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 491324    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 60.6  | 47.9 71.9 |
| 227         | 63.1  | 50.1 75.1 |





#35

Caprolactam

Concen: 8.20 ng

RT: 11.12 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

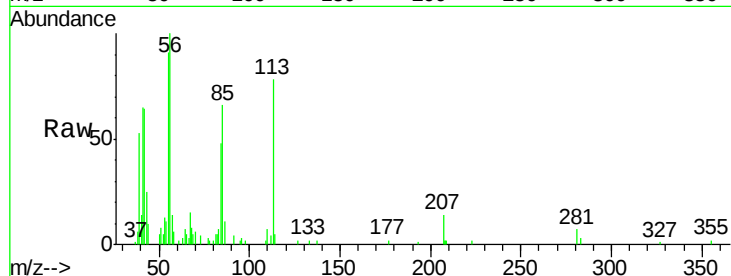
Tot Ion:113 Resp: 27662

Ion Ratio Lower Upper

113 100

55 116.1 145.9 185.9#

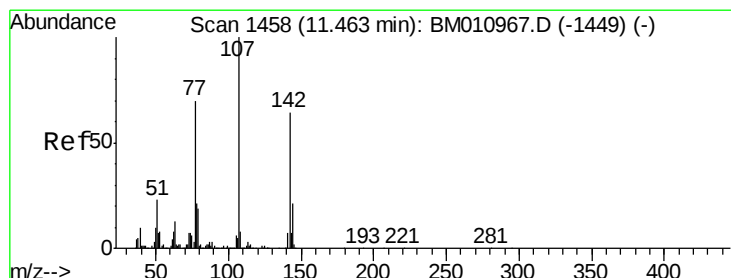
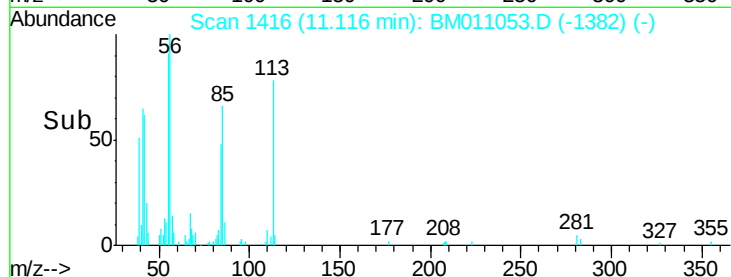
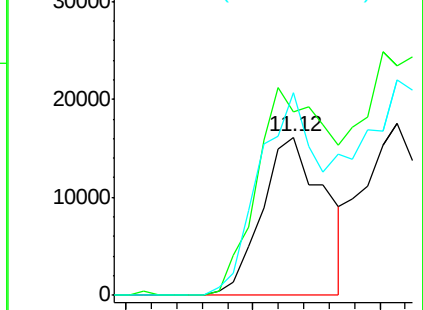
56 128.1 101.0 141.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 41.13 ng

RT: 11.45 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

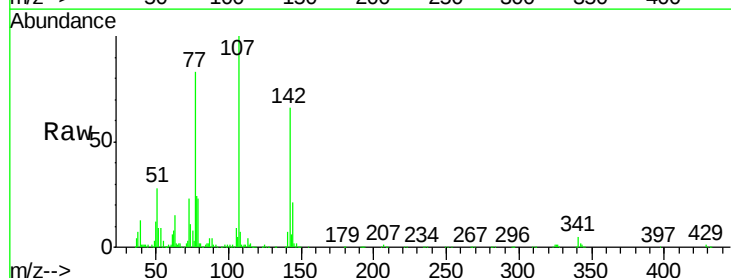
Tgt Ion:107 Resp: 632092

Ion Ratio Lower Upper

107 100

144 21.3 23.3 34.9#

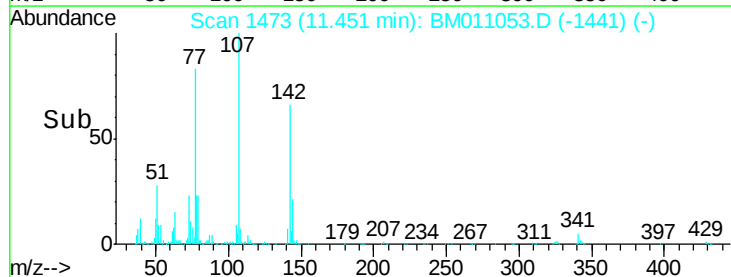
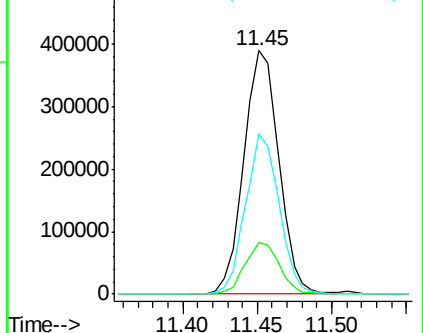
142 65.7 72.6 109.0#

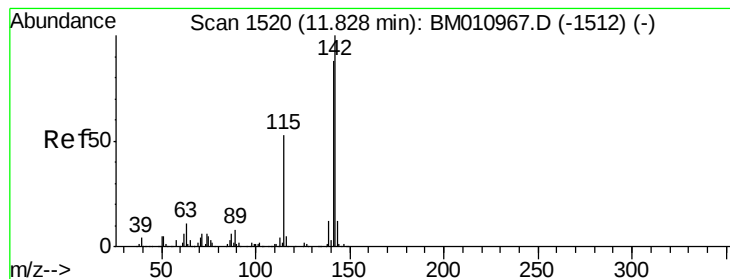


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 47.90 ng

RT: 11.82 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

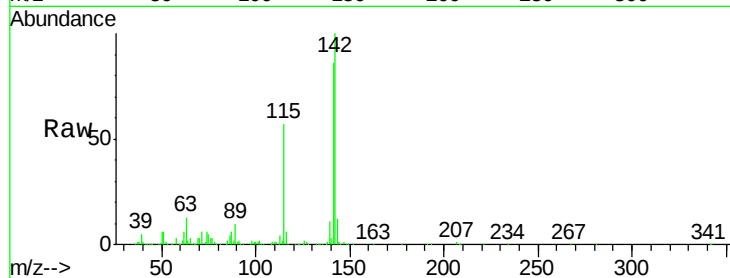
Tot Ion:142 Resp: 1212325

Ion Ratio Lower Upper

142 100

141 85.8 71.9 107.9

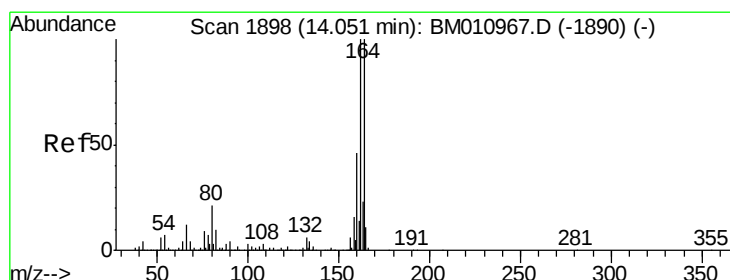
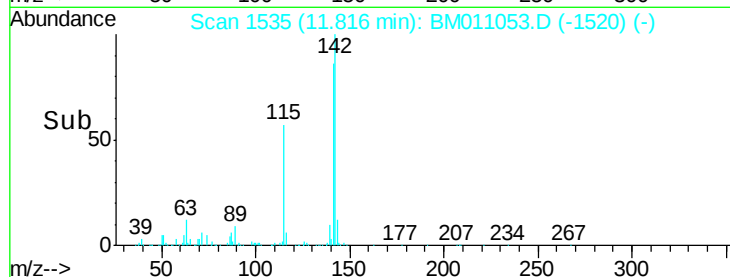
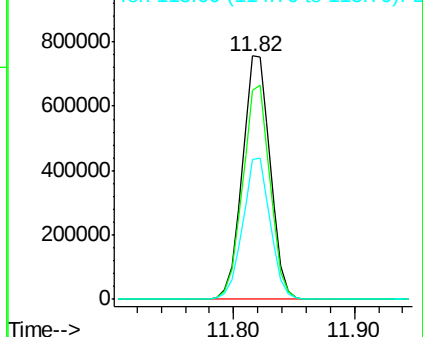
115 57.2 25.4 38.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.05 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

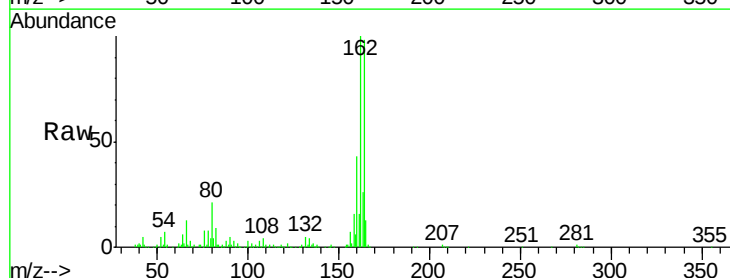
Tgt Ion:164 Resp: 488062

Ion Ratio Lower Upper

164 100

162 101.8 82.4 123.6

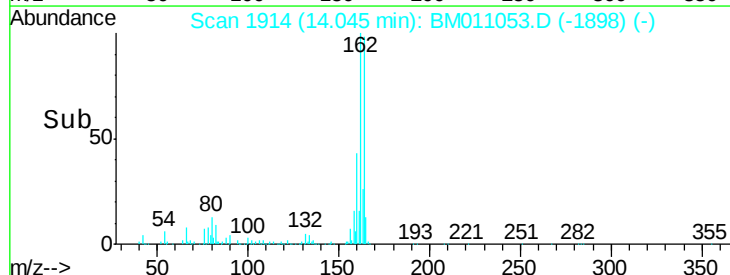
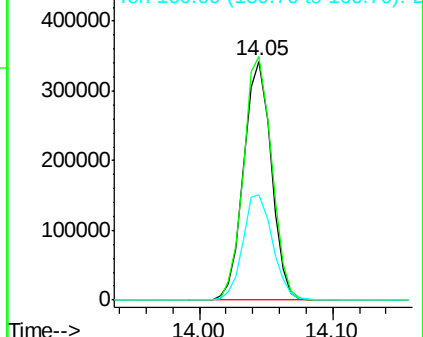
160 44.2 35.8 53.6

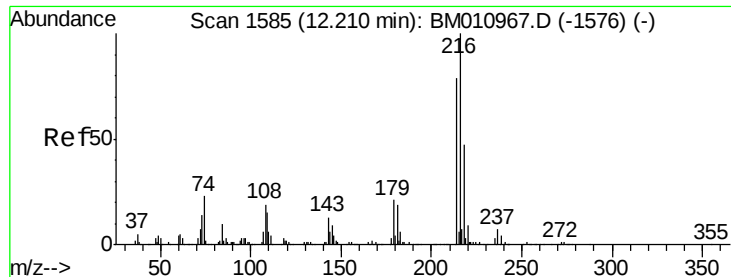


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

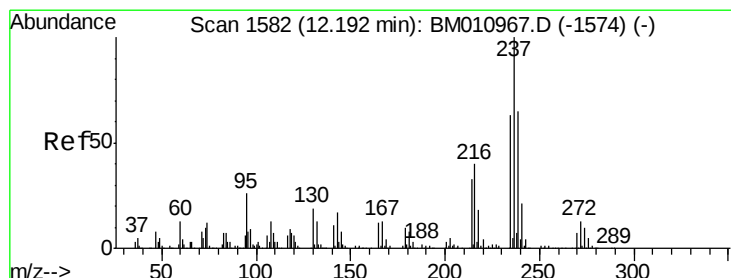
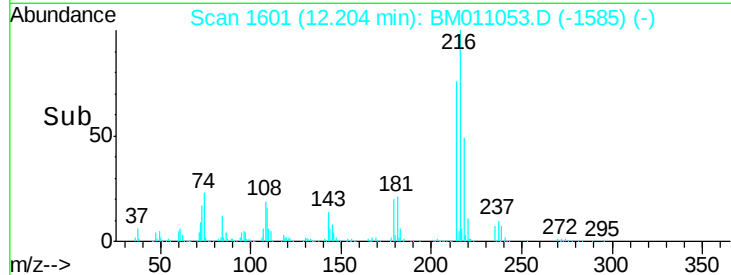
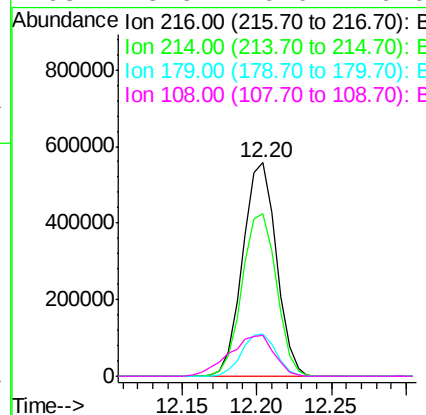
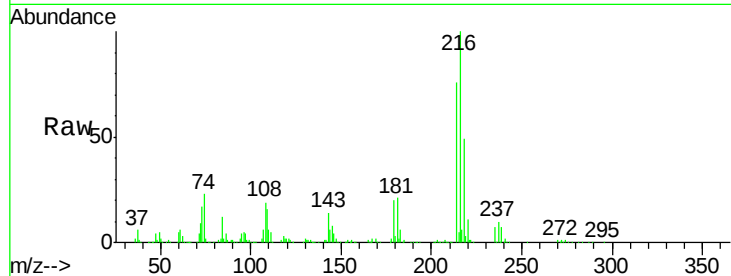




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 41.62 ng  
 RT: 12.20 min Scan# 1601  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

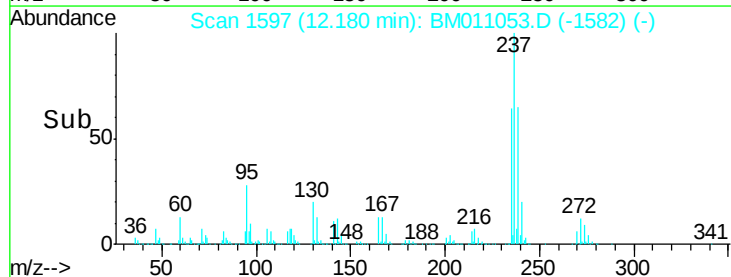
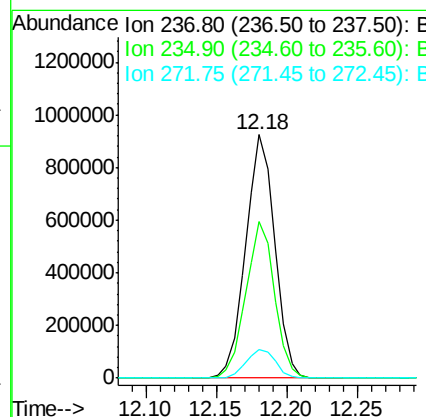
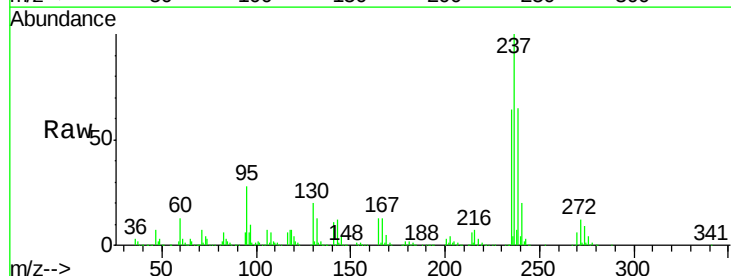
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

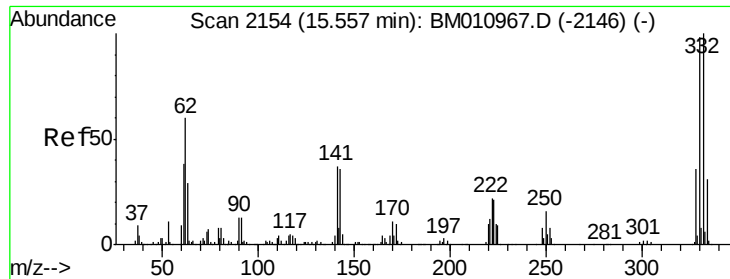
|             |       |          |
|-------------|-------|----------|
| Tot Ion:216 | Resp: | 872682   |
| Ion Ratio   | Lower | Upper    |
| 216         | 100   |          |
| 214         | 77.5  | 0.0 0.0# |
| 179         | 20.3  | 0.0 0.0# |
| 108         | 25.6  | 0.0 0.0# |



#40  
 Hexachlorocyclopentadiene  
 Concen: 109.33 ng  
 RT: 12.18 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 1335847   |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 64.5  | 42.0 82.0 |
| 272         | 11.7  | 0.0 33.4  |

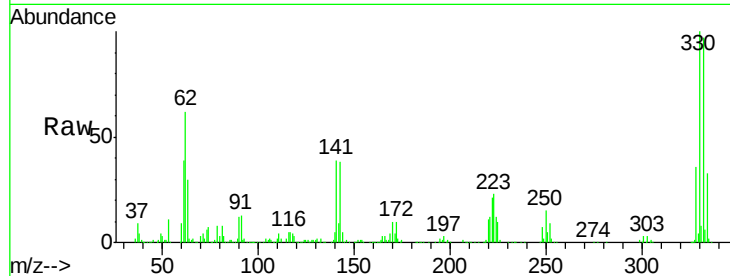




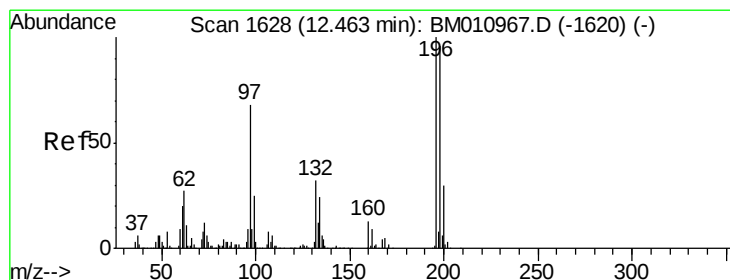
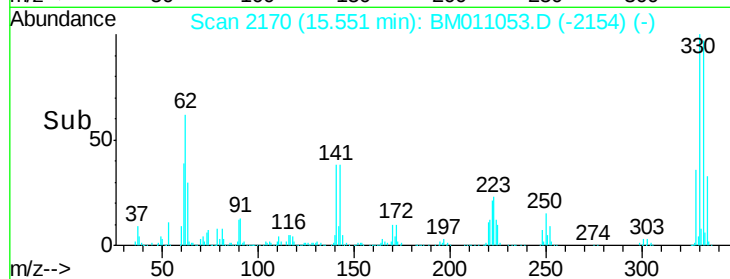
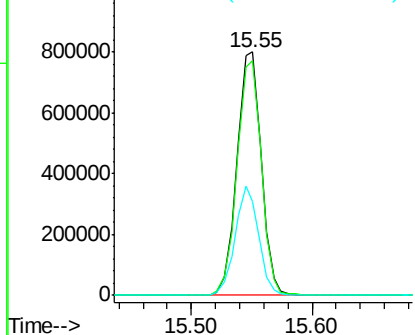
#41  
 2,4,6-Tribromophenol  
 Concen: 144.02 ng  
 RT: 15.55 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

Tot Ion:330 Resp: 1126579  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 0.0 0.0#  
 141 43.2 0.0 0.0#

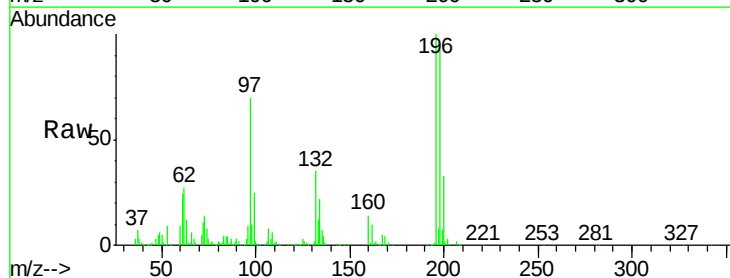


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

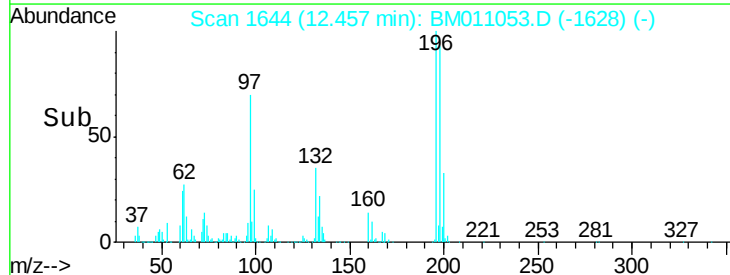
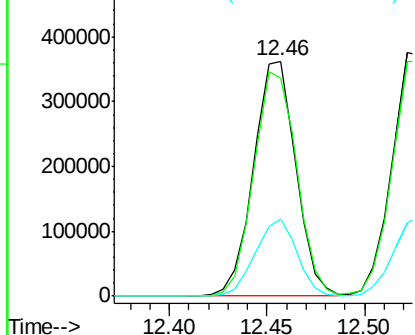


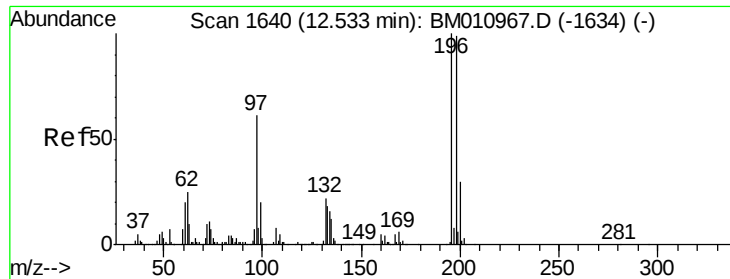
#42  
 2,4,6-Trichlorophenol  
 Concen: 42.95 ng  
 RT: 12.46 min Scan# 1644  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion:196 Resp: 545115  
 Ion Ratio Lower Upper  
 196 100  
 198 92.9 76.3 114.5  
 200 32.8 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

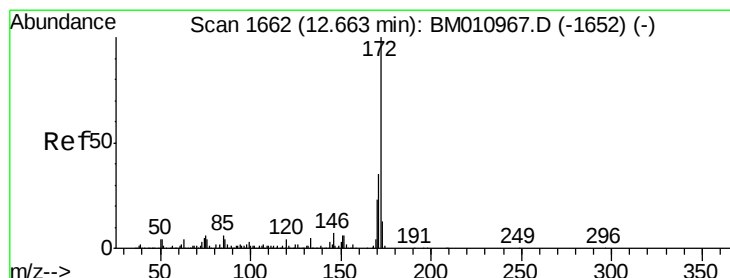
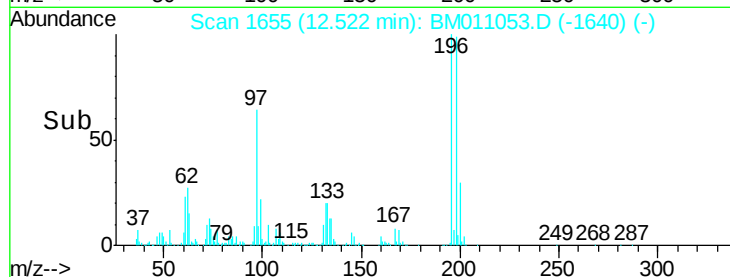
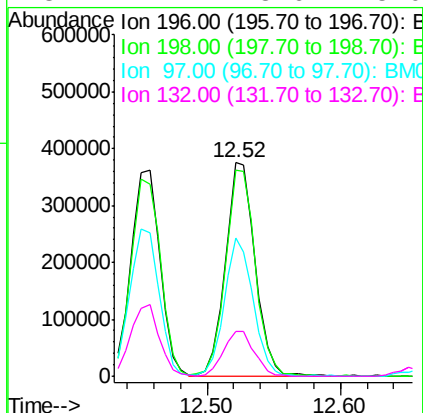
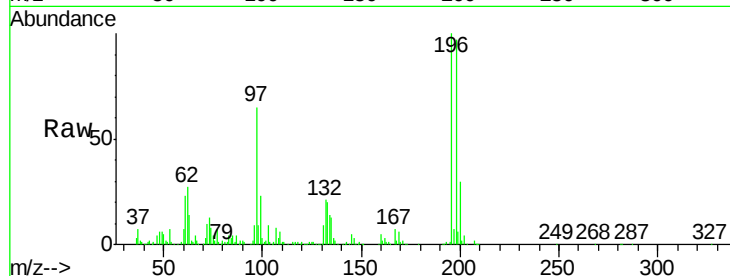




#43  
2,4,5-Trichlorophenol  
Concen: 44.36 ng  
RT: 12.52 min Scan# 1655  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

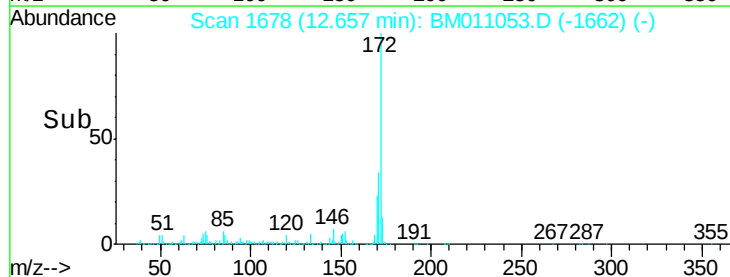
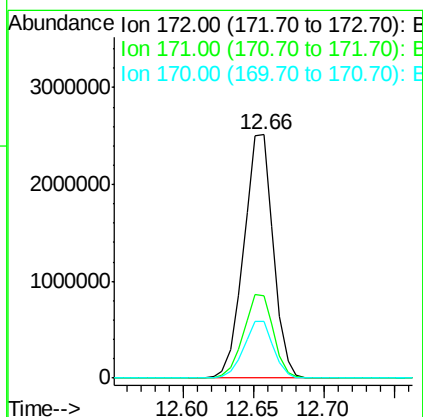
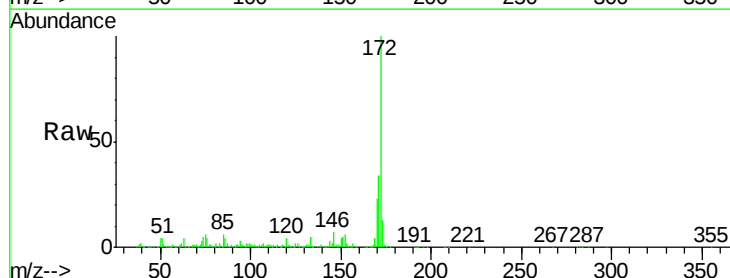
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

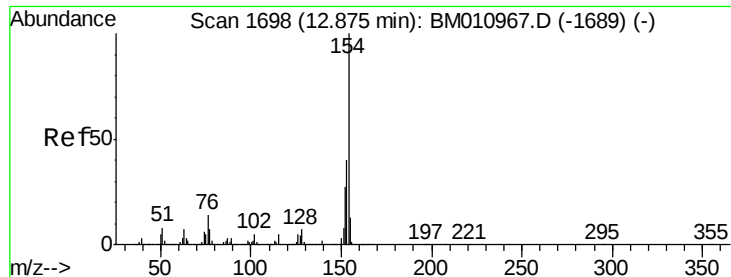
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.6  | 79.4  | 119.0 |
| 97      | 65.0  | 26.8  | 40.2  |
| 132     | 21.1  | 18.6  | 28.0  |



#44  
2-Fluorobiphenyl  
Concen: 94.24 ng  
RT: 12.66 min Scan# 1678  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.9  | 28.5  | 42.7  |
| 170     | 23.3  | 18.8  | 28.2  |

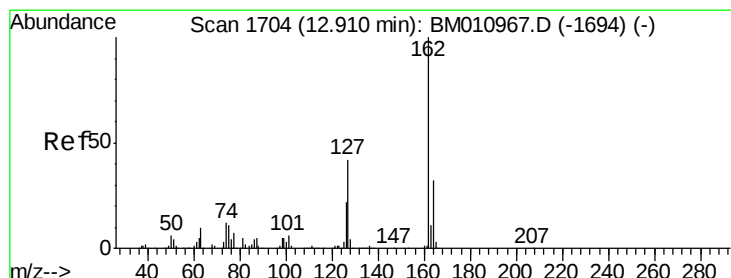
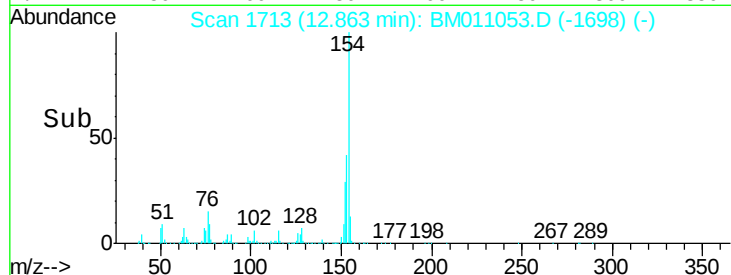
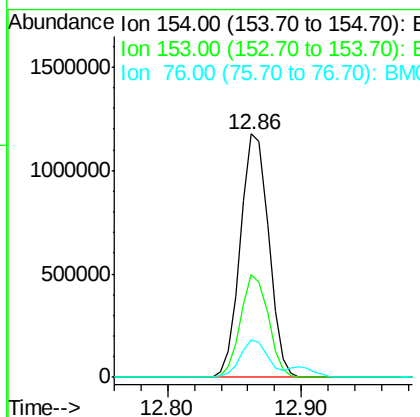
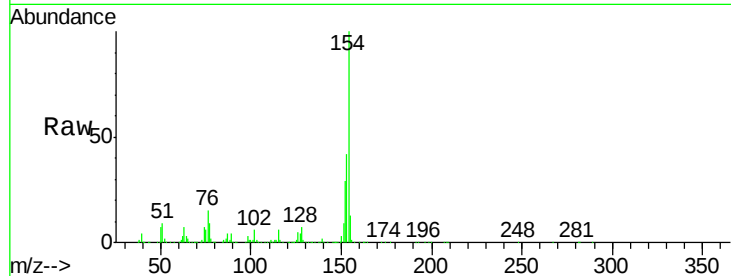




#45  
 1,1'-Biphenyl  
 Concen: 40.88 ng  
 RT: 12.86 min Scan# 1713  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

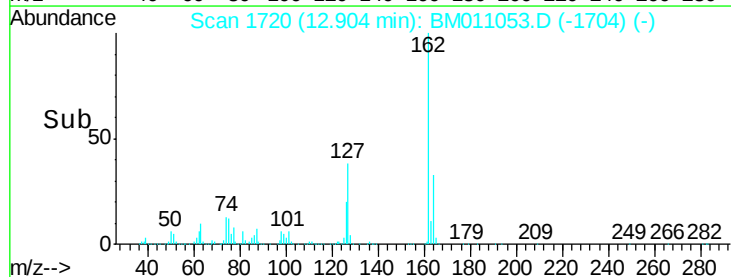
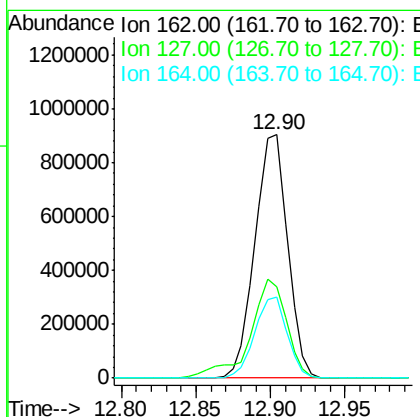
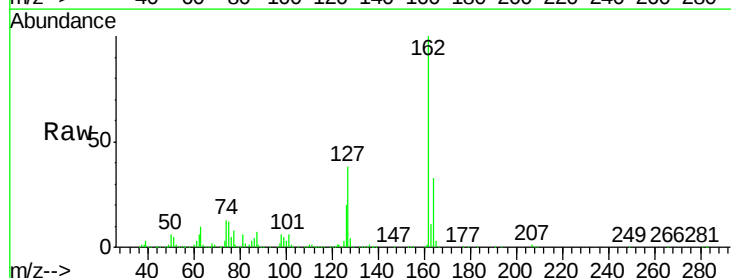
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

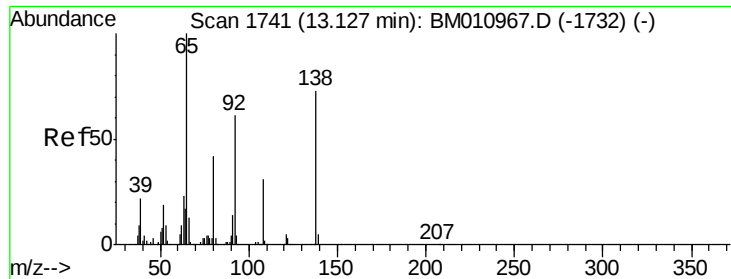
Tot Ion:154 Resp: 1725320  
 Ion Ratio Lower Upper  
 154 100  
 153 42.0 20.7 60.7  
 76 15.4 0.0 30.9



#46  
 2-Chloronaphthalene  
 Concen: 43.98 ng  
 RT: 12.90 min Scan# 1720  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion:162 Resp: 1367611  
 Ion Ratio Lower Upper  
 162 100  
 127 37.7 26.9 40.3  
 164 33.2 26.8 40.2

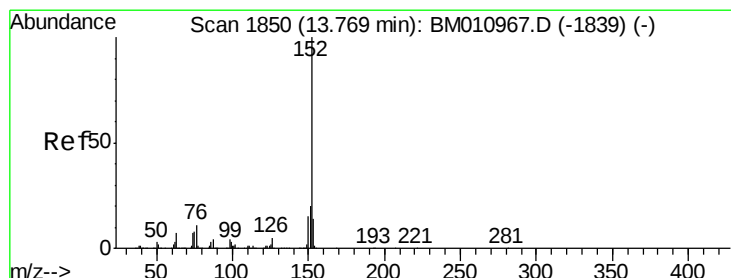
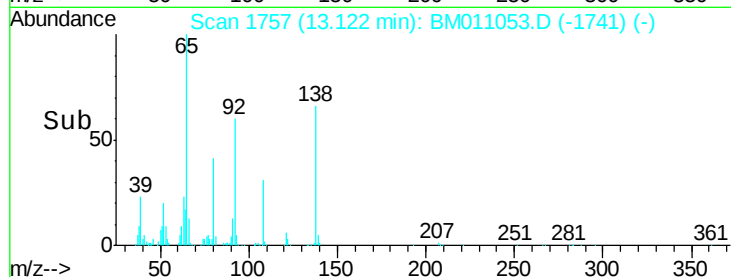
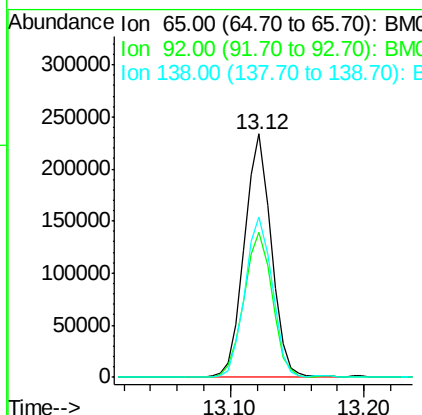
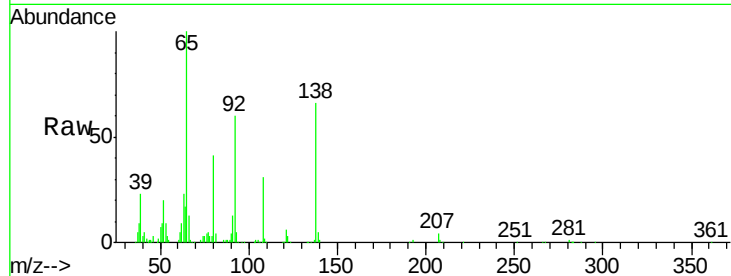




#47  
 2-Nitroaniline  
 Concen: 29.62 ng  
 RT: 13.12 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

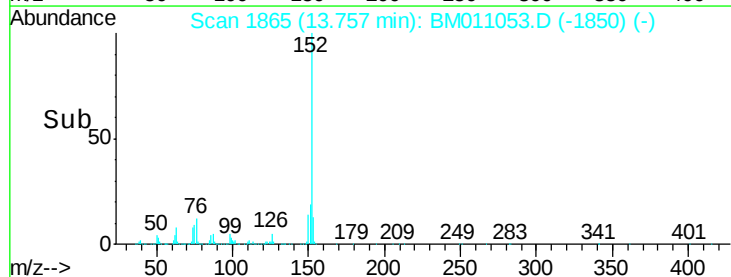
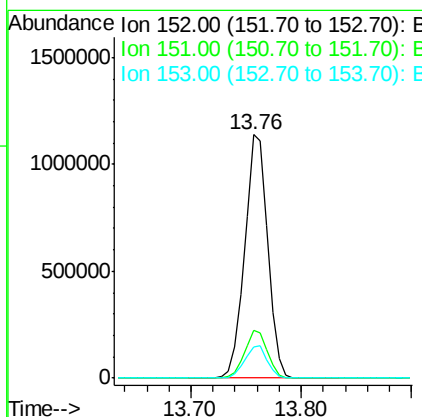
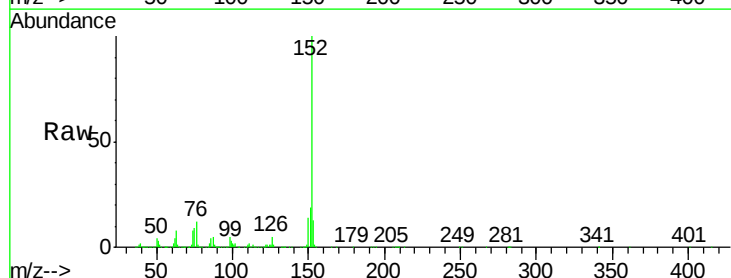
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

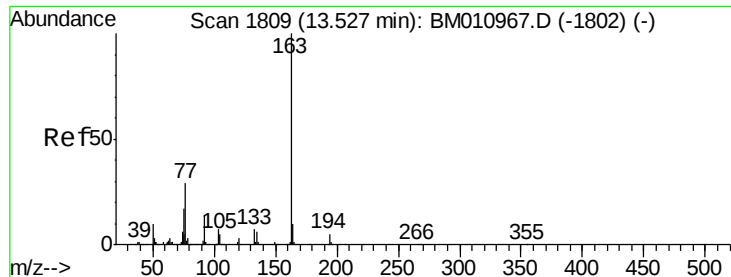
Tot Ion: 65 Resp: 325823  
 Ion Ratio Lower Upper  
 65 100  
 92 59.7 59.1 88.7  
 138 66.0 93.9 140.9#



#48  
 Acenaphthylene  
 Concen: 35.96 ng  
 RT: 13.76 min Scan# 1865  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion: 152 Resp: 1668743  
 Ion Ratio Lower Upper  
 152 100  
 151 19.5 15.9 23.9  
 153 12.9 10.6 16.0





#49

Dimethylphthalate

Concen: 41.42 ng

RT: 13.52 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

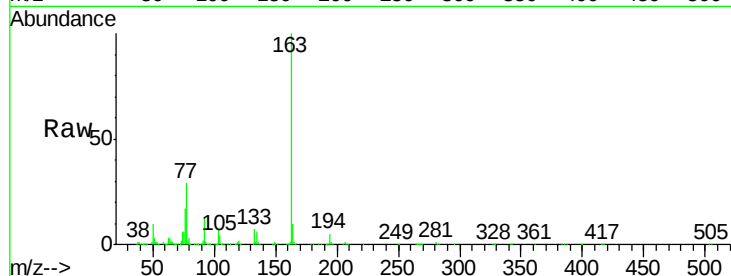
Tot Ion:163 Resp: 1729190

Ion Ratio Lower Upper

163 100

194 4.8 2.7 4.1#

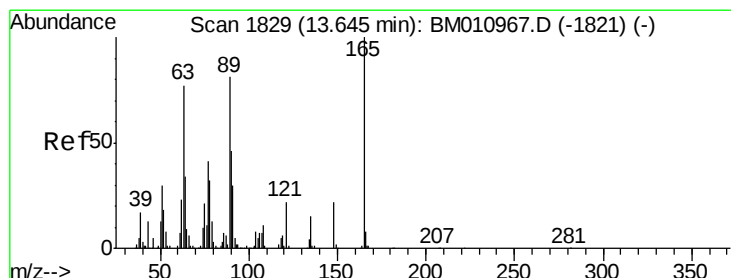
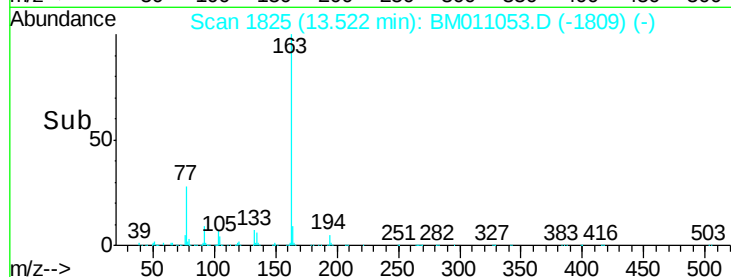
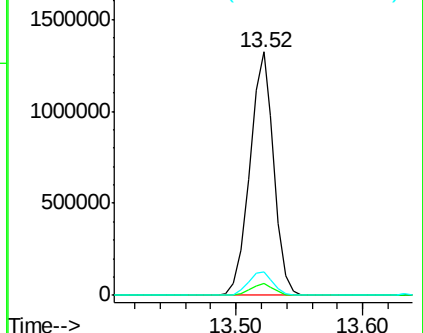
164 9.5 8.2 12.2



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: 42.84 ng

RT: 13.63 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

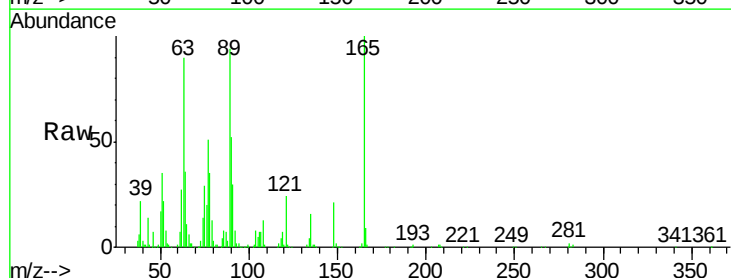
Tgt Ion:165 Resp: 361693

Ion Ratio Lower Upper

165 100

63 90.0 44.1 66.1#

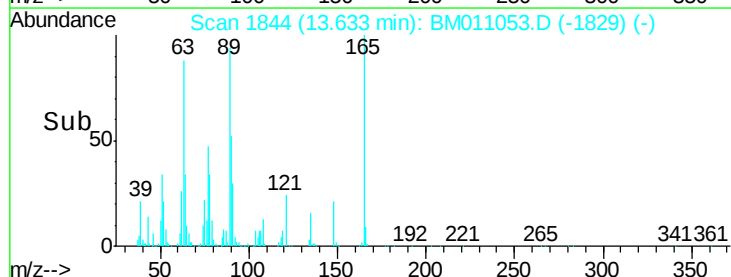
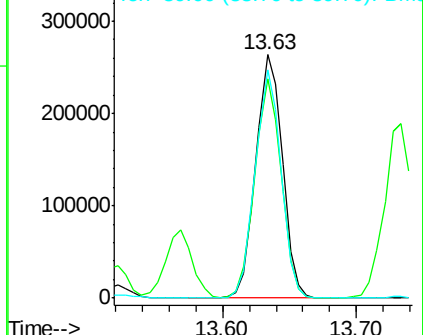
89 93.8 44.3 66.5#

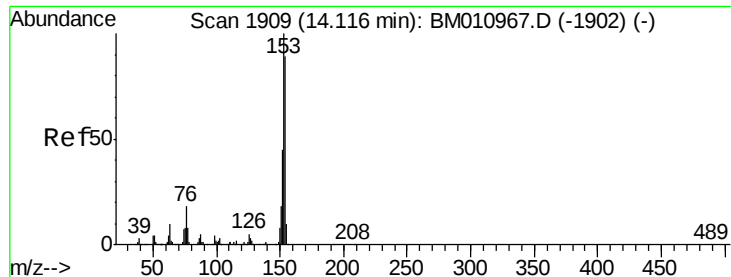


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 43.37 ng

RT: 14.11 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

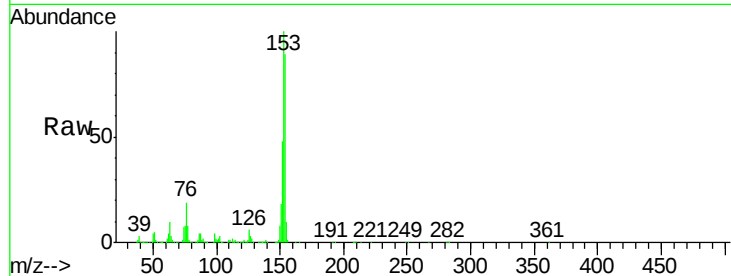
Tot Ion:154 Resp: 1245992

Ion Ratio Lower Upper

154 100

153 111.8 90.0 135.0

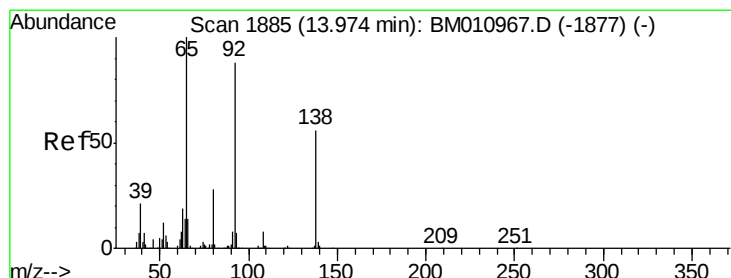
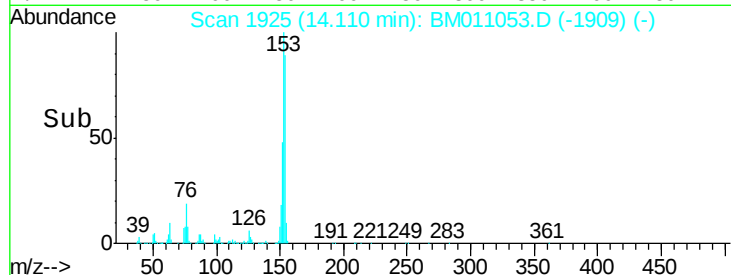
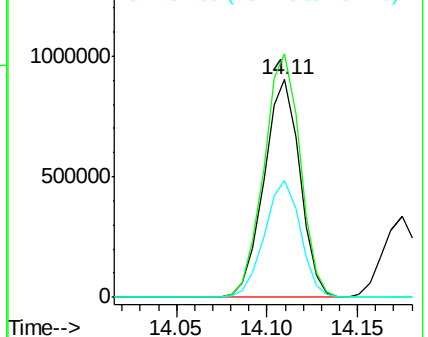
152 53.6 42.6 63.8



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: 24.97 ng

RT: 13.96 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

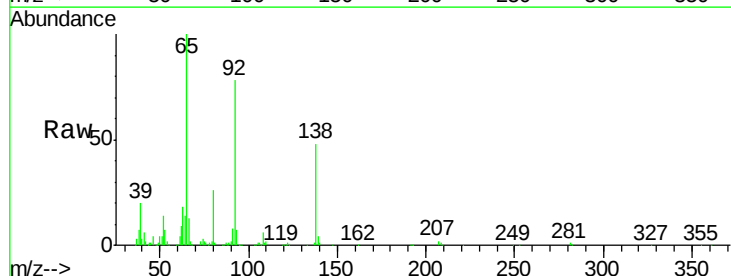
Tgt Ion:138 Resp: 182942

Ion Ratio Lower Upper

138 100

108 13.0 7.3 10.9#

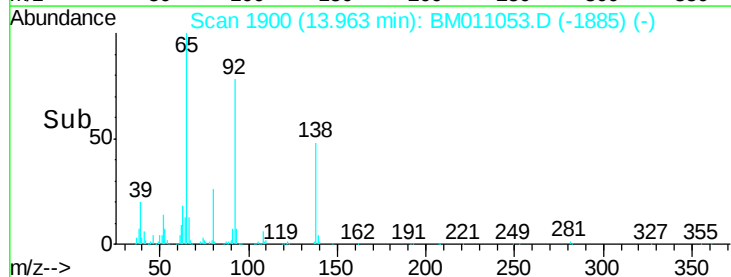
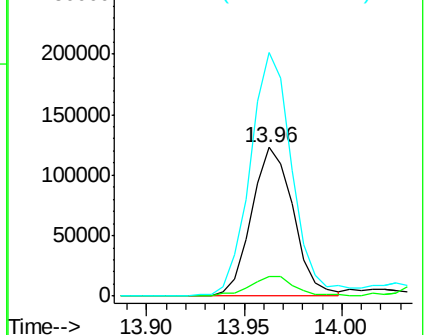
92 163.6 76.6 114.8#

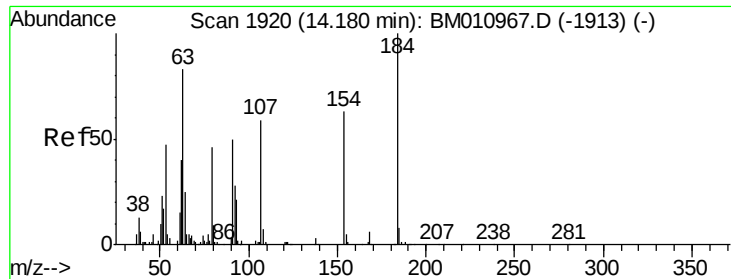


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

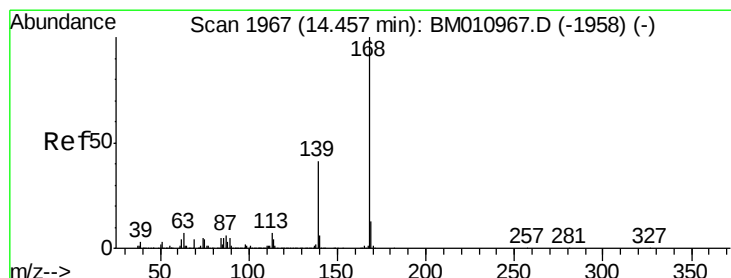
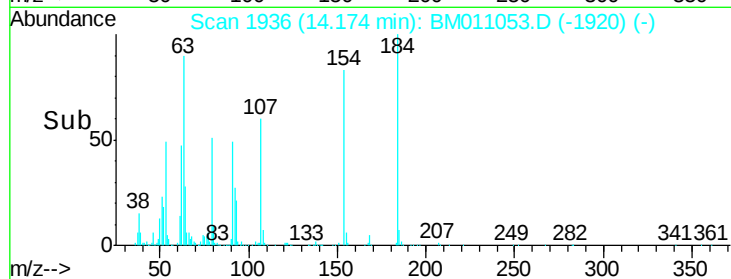
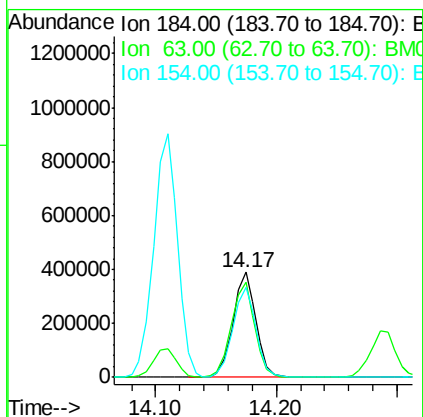
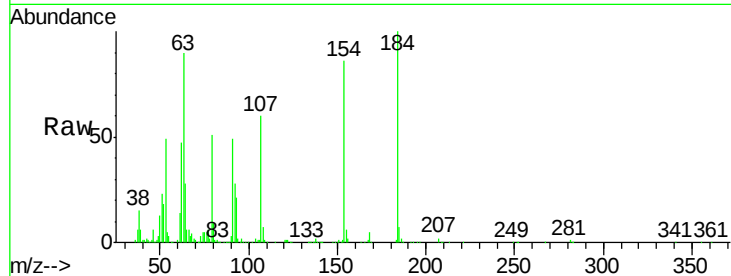




#53  
2,4-Dinitrophenol  
Concen: 85.51 ng  
RT: 14.17 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

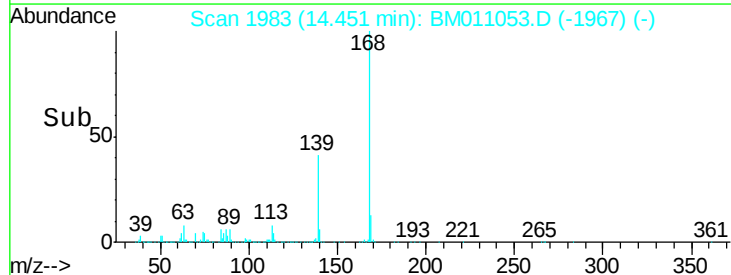
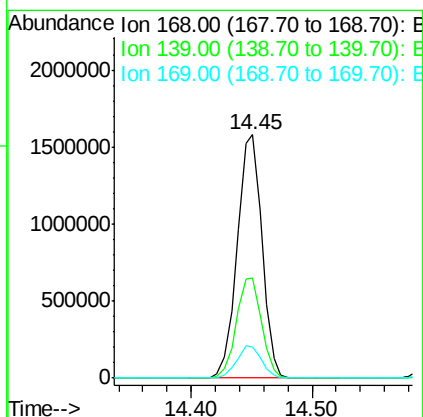
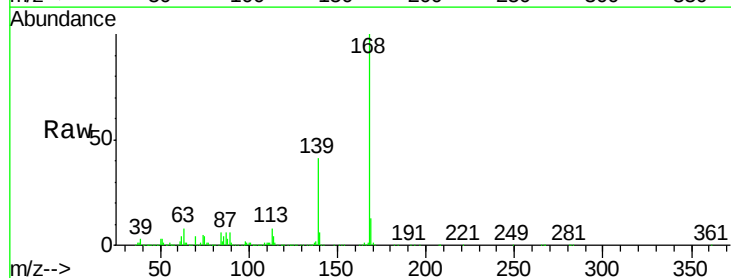
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

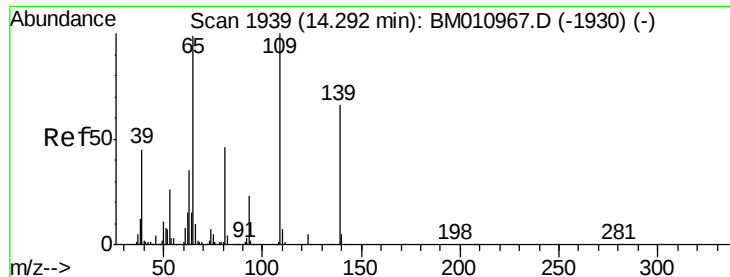
Tot Ion:184 Resp: 513114  
Ion Ratio Lower Upper  
184 100  
63 90.2 69.2 103.8  
154 85.6 53.3 79.9#



#54  
Dibenzofuran  
Concen: 48.42 ng  
RT: 14.45 min Scan# 1983  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Tgt Ion:168 Resp: 2254201  
Ion Ratio Lower Upper  
168 100  
139 40.9 27.3 40.9#  
169 12.9 10.6 16.0

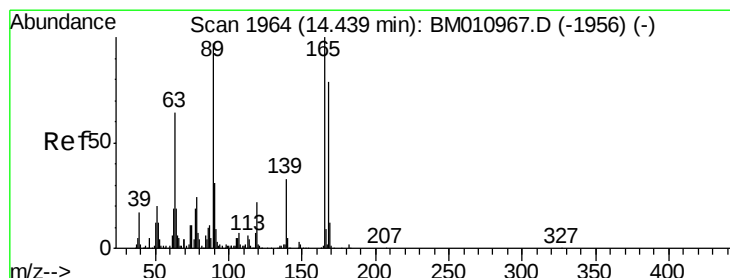
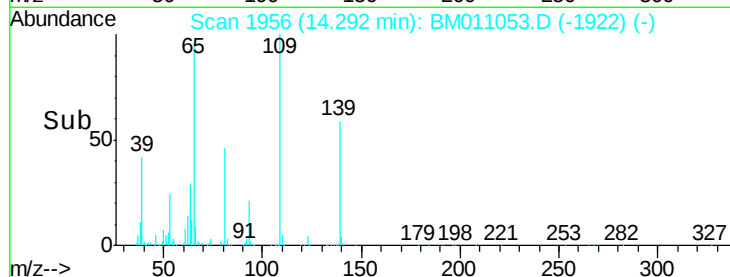
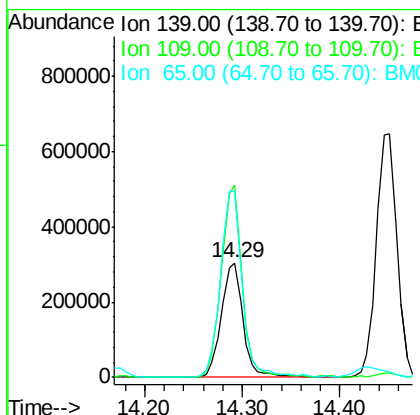
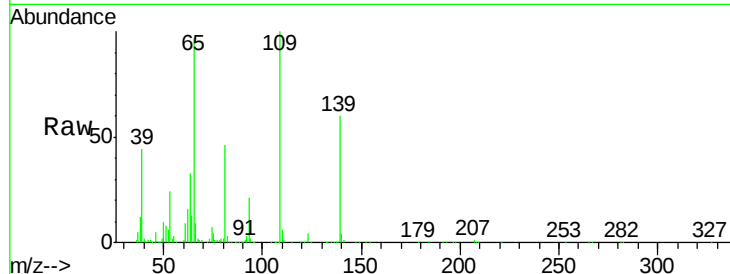




#55  
4-Nitrophenol  
Concen: 73.16 ng  
RT: 14.29 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

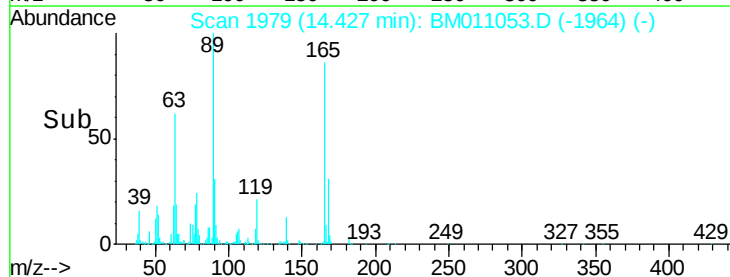
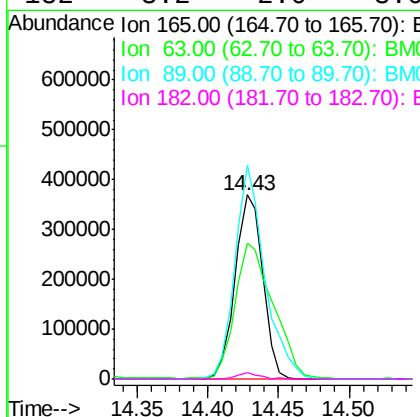
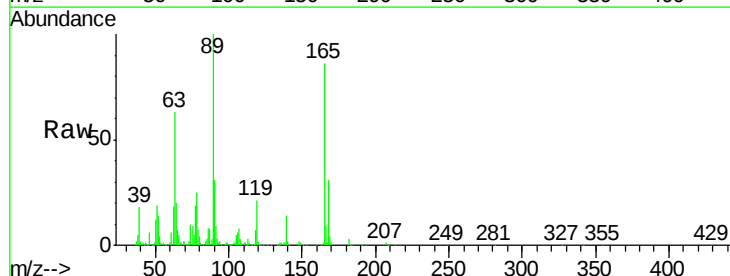
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

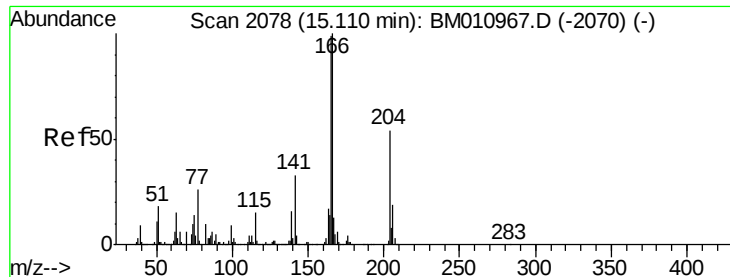
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 167.1 | 130.0 | 170.0 |
| 65      | 161.5 | 130.0 | 170.0 |



#56  
2,4-Dinitrotoluene  
Concen: 42.51 ng  
RT: 14.43 min Scan# 1979  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 73.5  | 52.4  | 78.6   |
| 89      | 116.0 | 72.4  | 108.6# |
| 182     | 3.2   | 2.0   | 3.0#   |

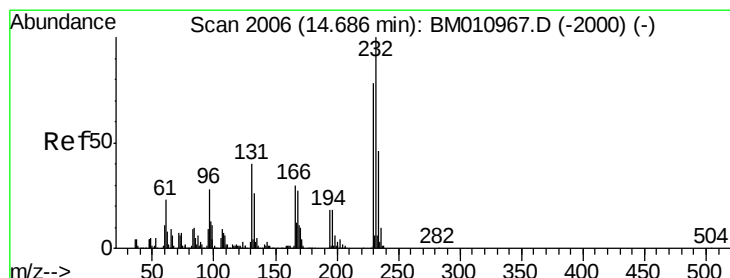
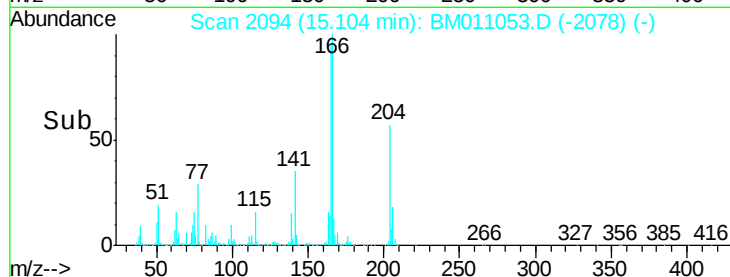
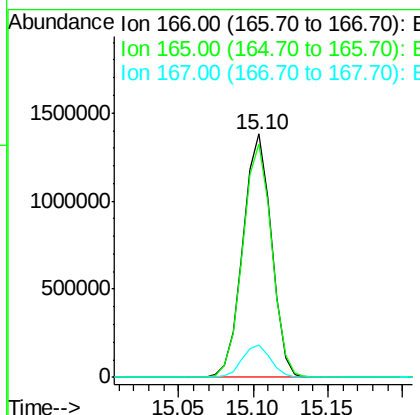
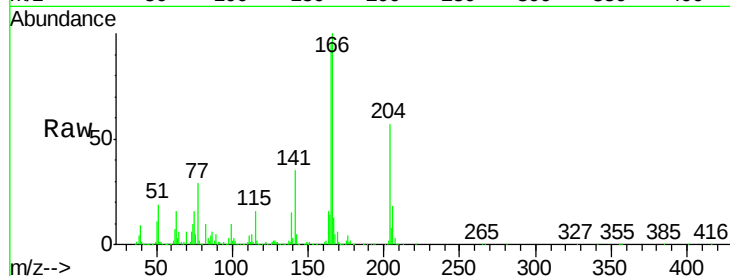




#57  
**Fluorene**  
 Concen: 45.05 ng  
 RT: 15.10 min Scan# 2094  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

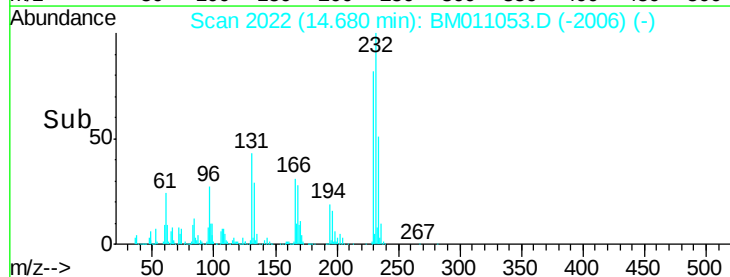
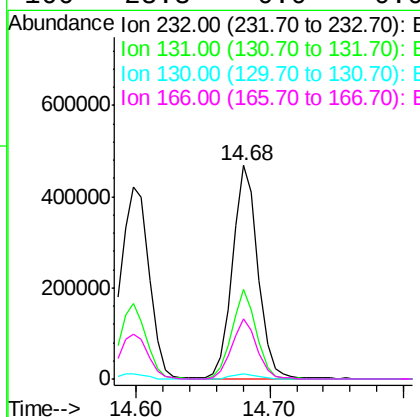
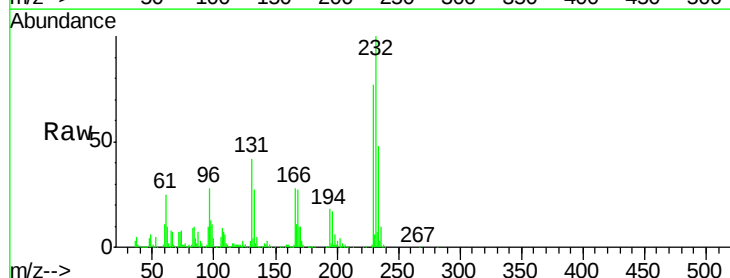
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

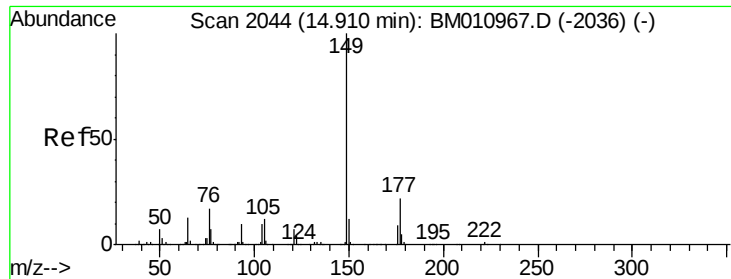
Tot Ion:166 Resp: 1826231  
 Ion Ratio Lower Upper  
 166 100  
 165 95.8 79.0 118.4  
 167 13.3 10.3 15.5



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 50.27 ng  
 RT: 14.68 min Scan# 2022  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion:232 Resp: 615882  
 Ion Ratio Lower Upper  
 232 100  
 131 40.6 0.0 0.0#  
 130 2.6 0.0 0.0#  
 166 28.3 0.0 0.0#

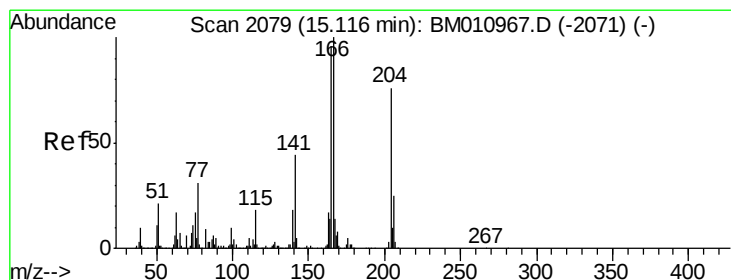
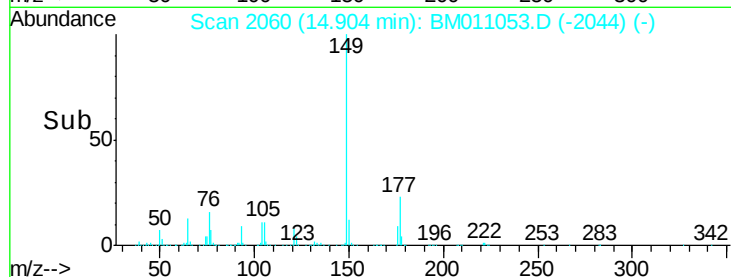
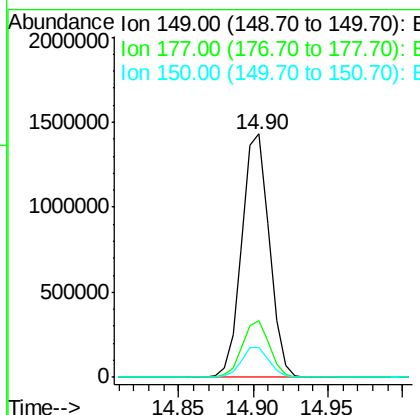
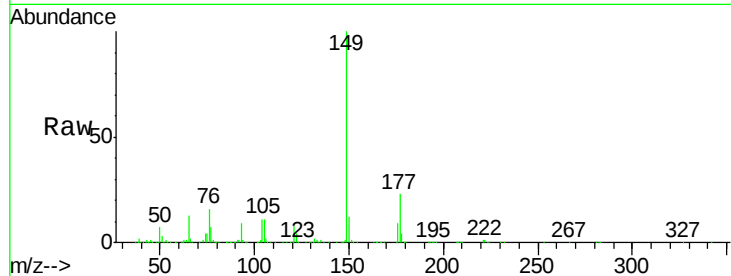




#59  
Diethylphthalate  
Concen: 42.86 ng  
RT: 14.90 min Scan# 2060  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

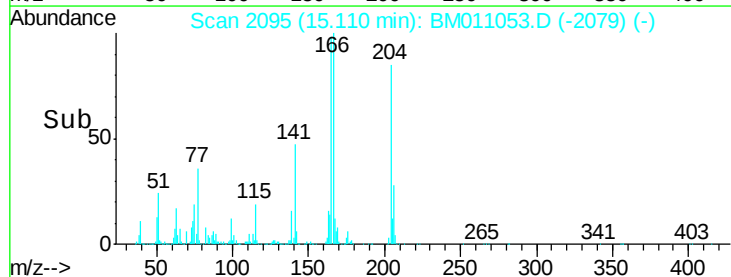
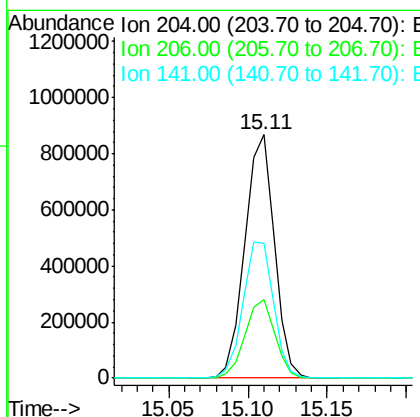
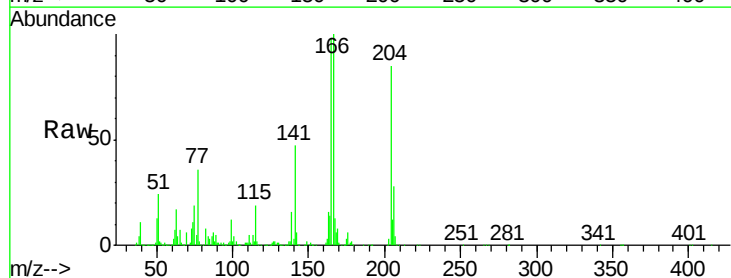
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

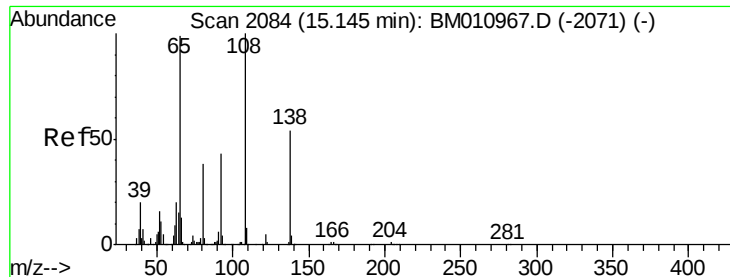
Tot Ion:149 Resp: 1827652  
Ion Ratio Lower Upper  
149 100  
177 23.5 18.3 27.5  
150 12.4 9.8 14.8



#60  
4-Chlorophenyl-phenylether  
Concen: 46.01 ng  
RT: 15.11 min Scan# 2095  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Tgt Ion:204 Resp: 1126045  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.6 39.8  
141 55.6 45.2 67.8

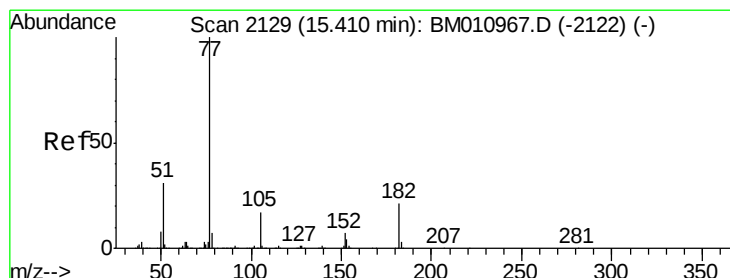
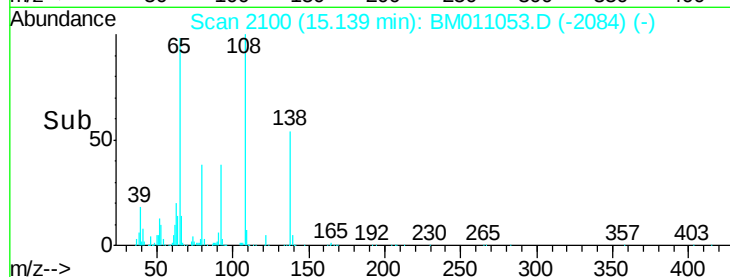
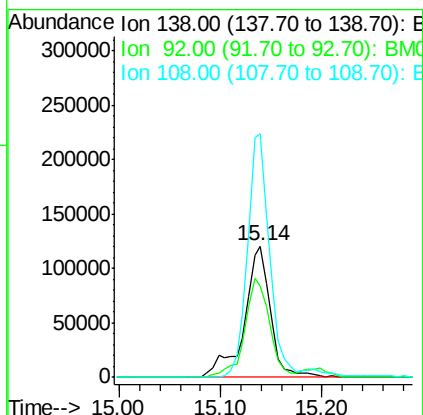
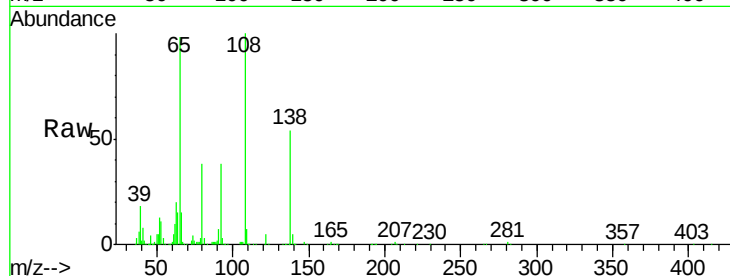




#61  
4-Nitroaniline  
Concen: 27.81 ng  
RT: 15.14 min Scan# 2100  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

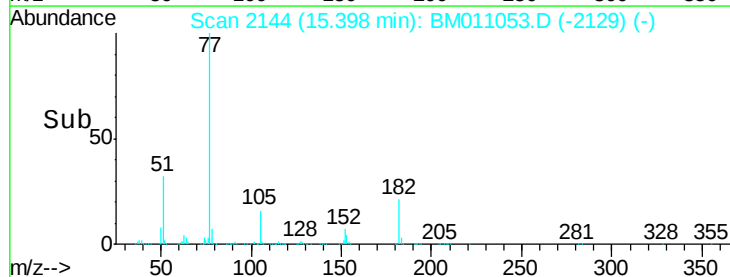
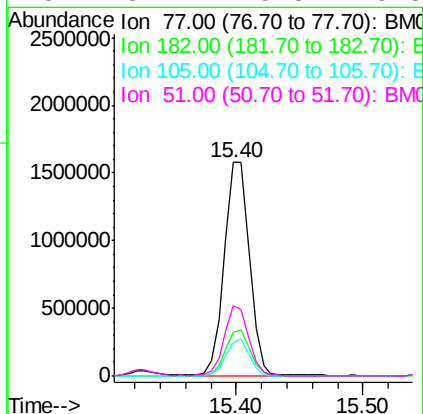
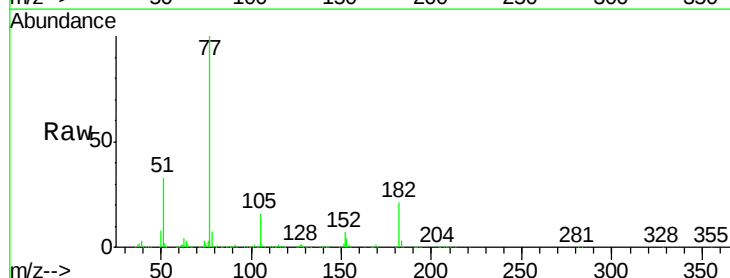
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

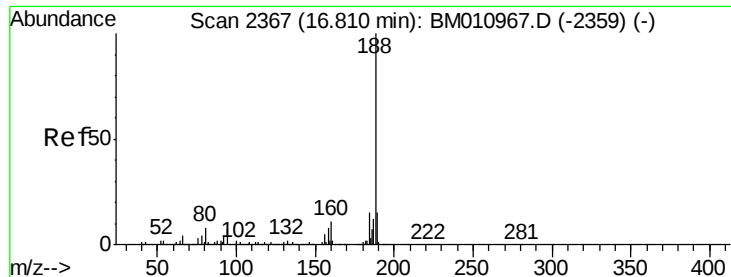
Tot Ion:138 Resp: 216435  
Ion Ratio Lower Upper  
138 100  
92 69.7 16.7 56.7#  
108 185.7 37.6 77.6#



#62  
Azobenzene  
Concen: 47.22 ng  
RT: 15.40 min Scan# 2144  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Tgt Ion: 77 Resp: 2154754  
Ion Ratio Lower Upper  
77 100  
182 20.7 6.5 46.5  
105 15.6 3.8 43.8  
51 32.7 5.5 45.5

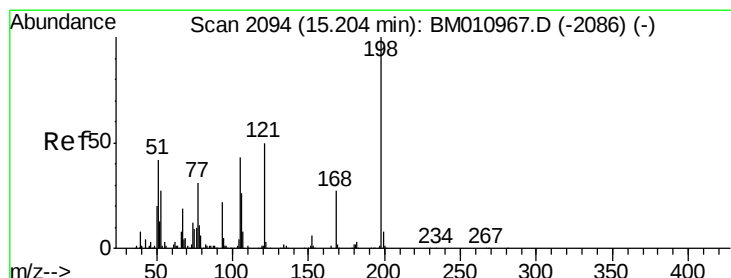
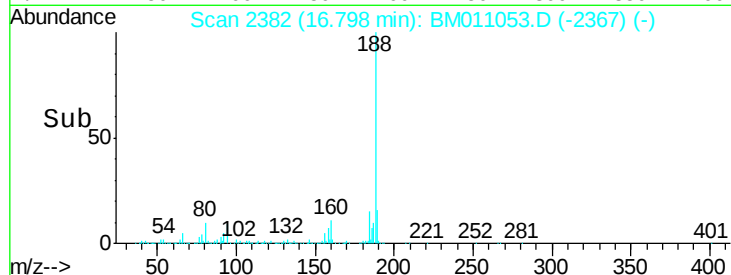
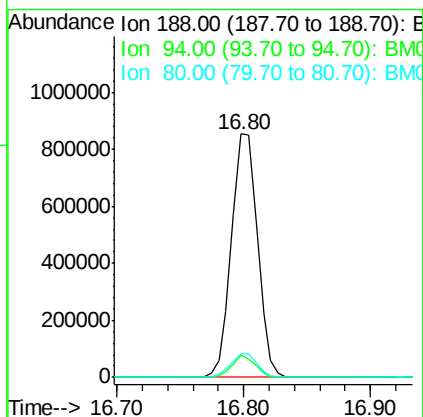
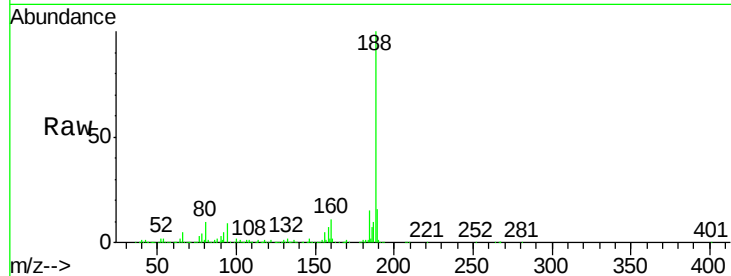




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.80 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

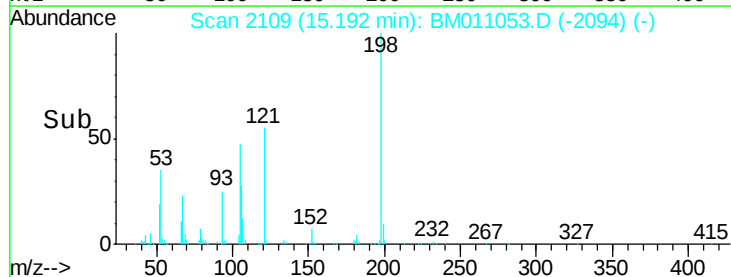
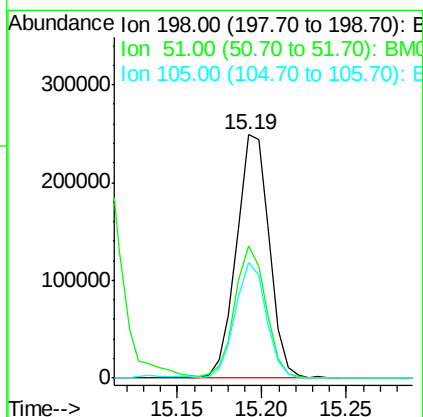
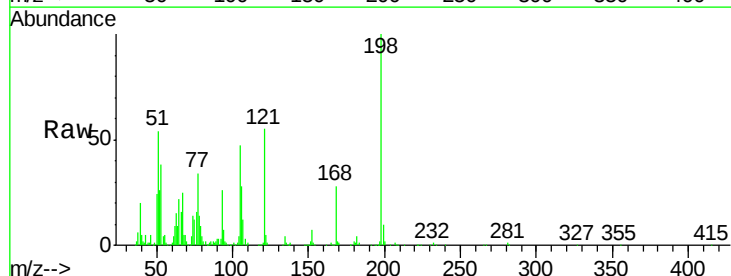
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

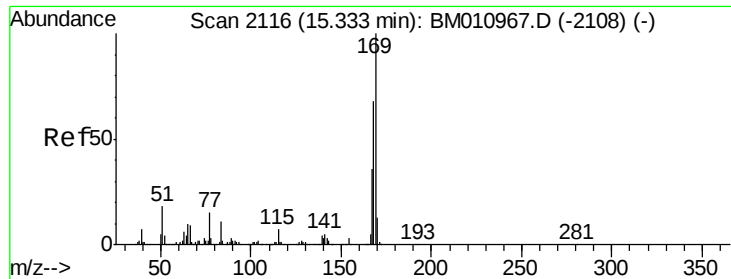
Tot Ion:188 Resp: 1210723  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.7 13.1  
80 9.8 9.3 13.9



#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.09 ng  
RT: 15.19 min Scan# 2109  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Tgt Ion:198 Resp: 336755  
Ion Ratio Lower Upper  
198 100  
51 54.4 28.8 68.8  
105 47.4 30.5 70.5

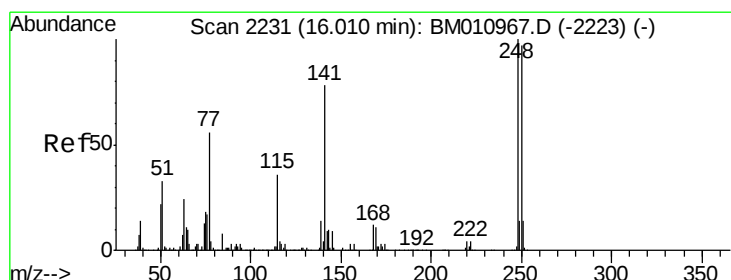
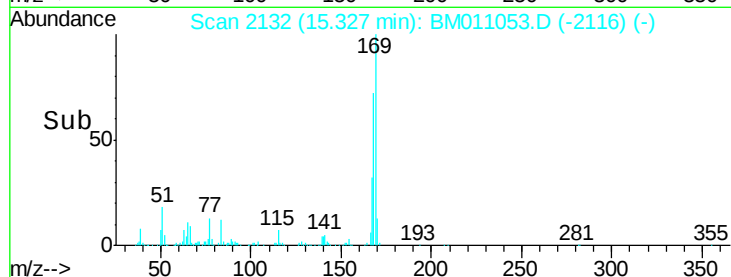
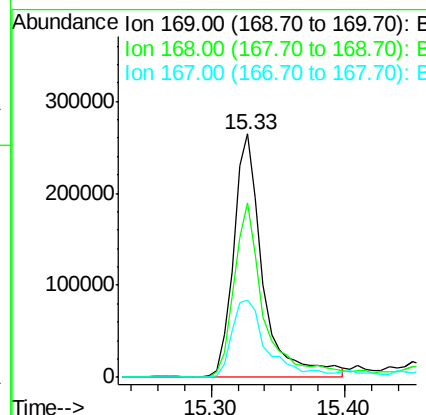
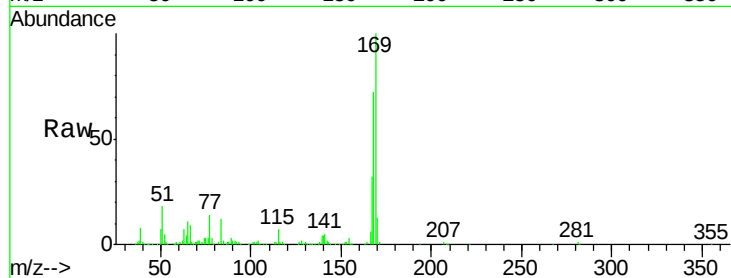




#65  
n-Nitrosodiphenylamine  
Concen: 11.74 ng  
RT: 15.33 min Scan# 2132  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

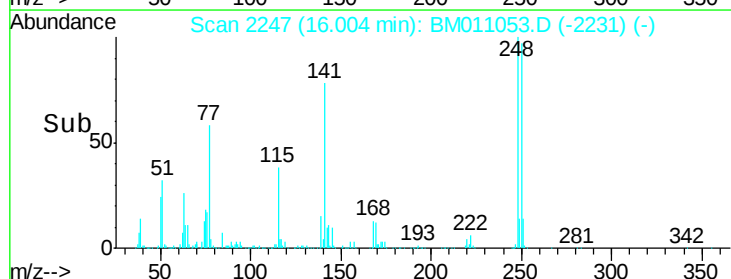
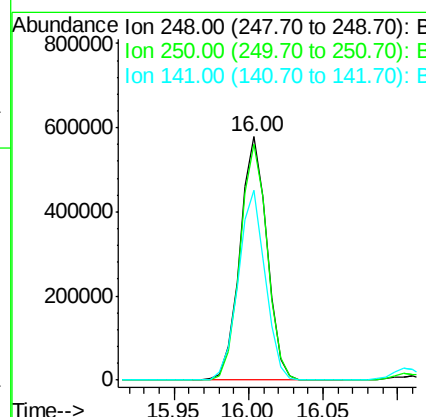
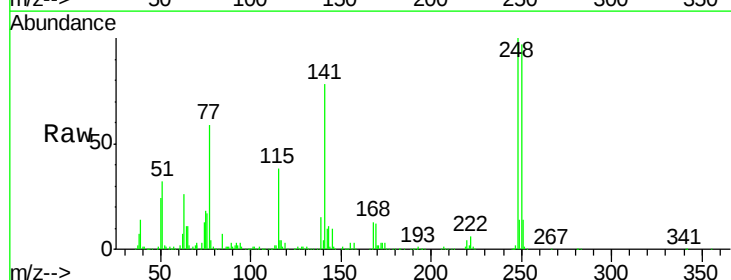
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

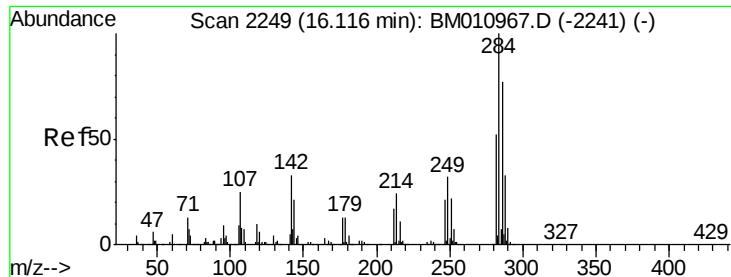
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 71.8  | 53.9  | 80.9  |
| 167     | 31.8  | 28.9  | 43.3  |



#66  
4-Bromophenyl-phenylether  
Concen: 46.74 ng  
RT: 16.00 min Scan# 2247  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.0  | 77.4  | 116.0 |
| 141     | 77.8  | 45.2  | 67.8  |





#67

Hexachlorobenzene

Concen: 43.44 ng

RT: 16.11 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

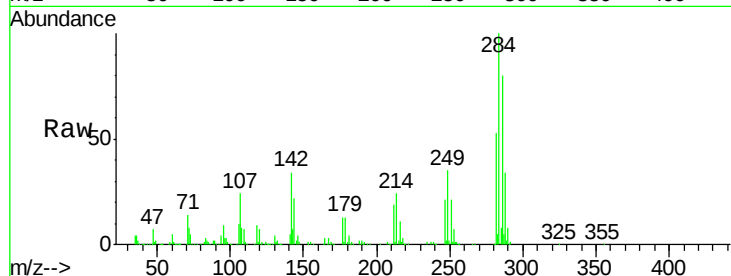
Tot Ion:284 Resp: 763974

Ion Ratio Lower Upper

284 100

142 34.5 20.4 30.6#

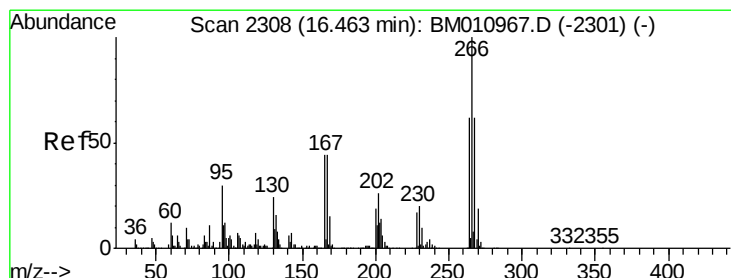
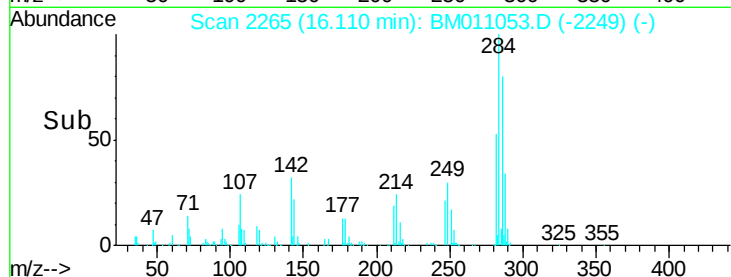
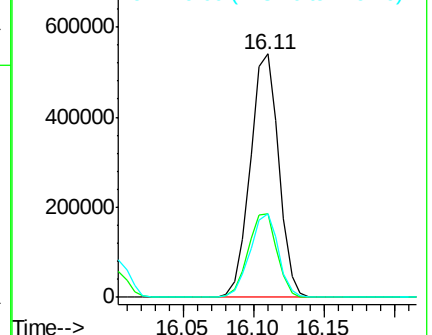
249 34.5 23.8 35.6



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



#69

Pentachlorophenol

Concen: 84.22 ng

RT: 16.46 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

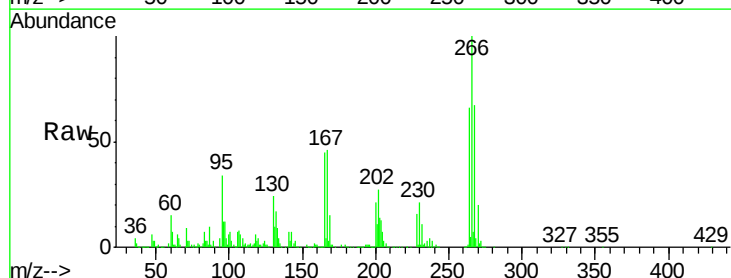
Tgt Ion:266 Resp: 940384

Ion Ratio Lower Upper

266 100

268 67.2 52.0 78.0

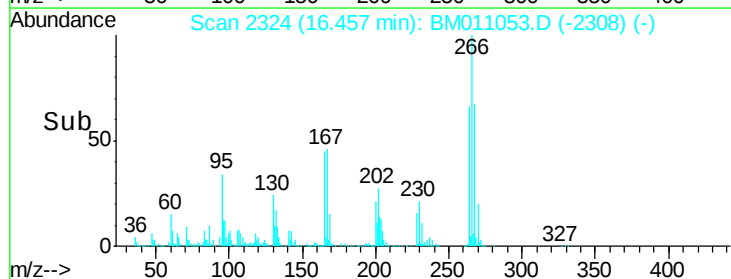
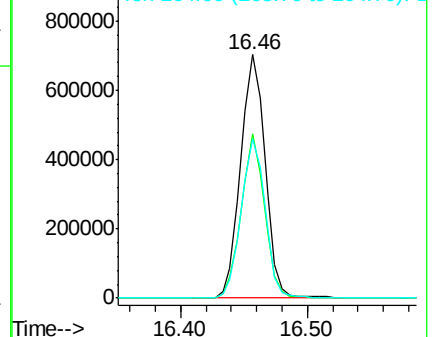
264 65.6 49.0 73.4

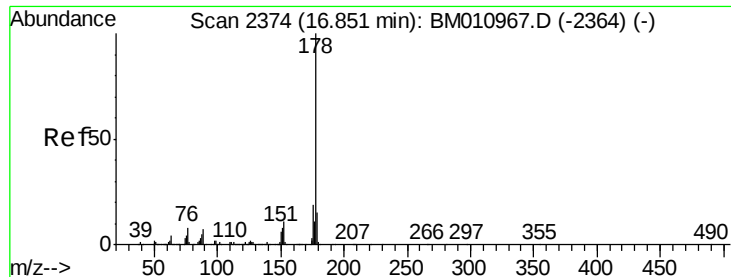


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 45.88 ng

RT: 16.84 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

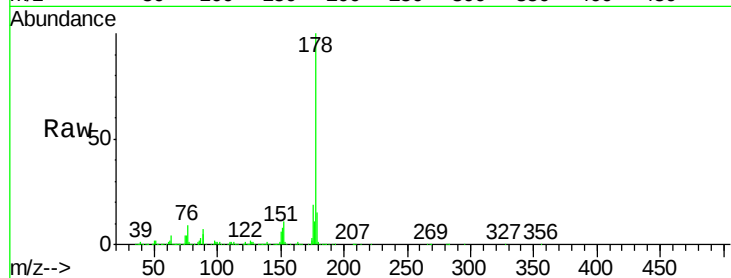
Tot Ion:178 Resp: 2908586

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

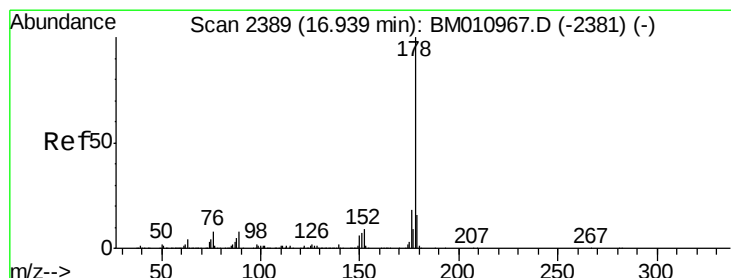
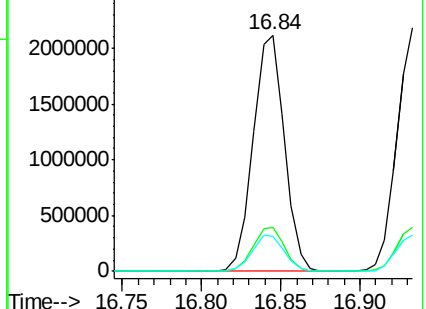
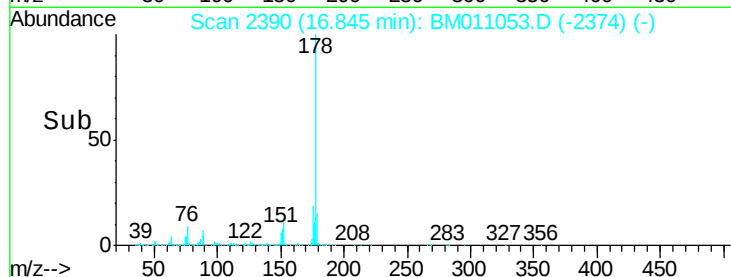
179 14.9 12.1 18.1



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: 44.91 ng

RT: 16.93 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

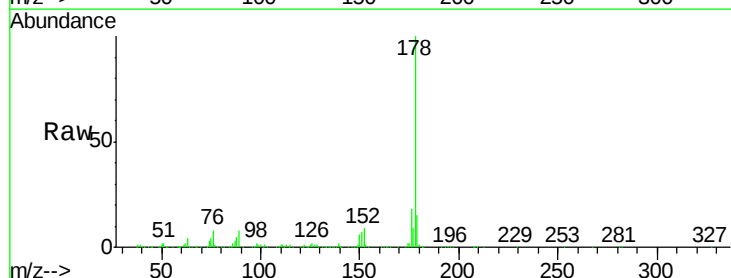
Tgt Ion:178 Resp: 2839174

Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

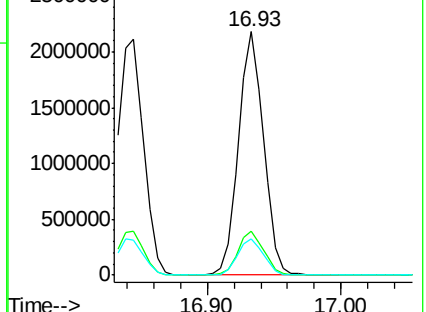
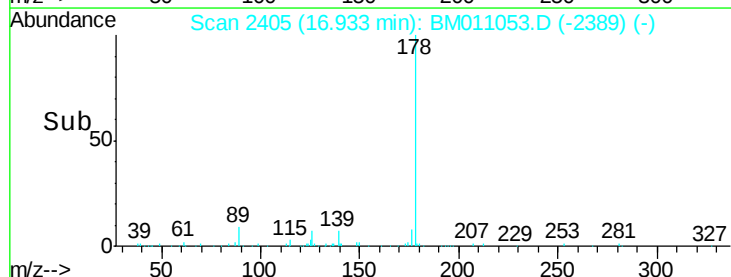
179 14.8 12.6 19.0

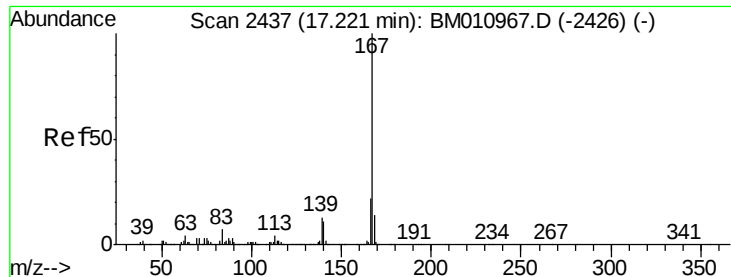


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

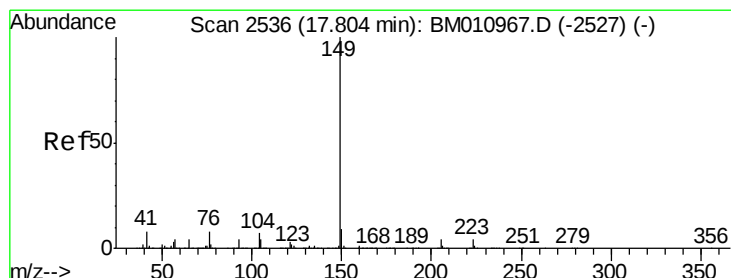
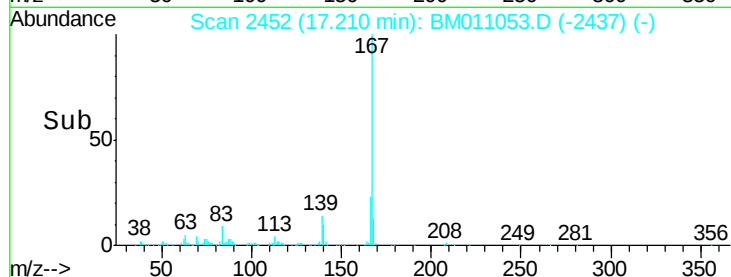
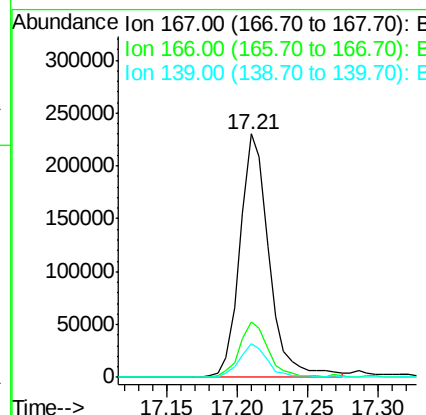
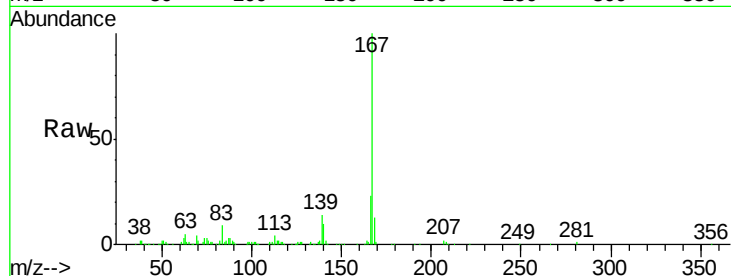




#72  
 Carbazole  
 Concen: 6.02 ng  
 RT: 17.21 min Scan# 2452  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

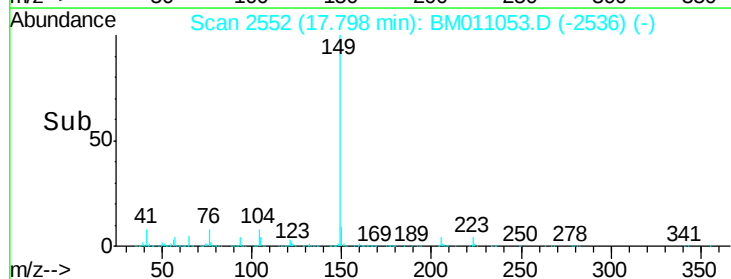
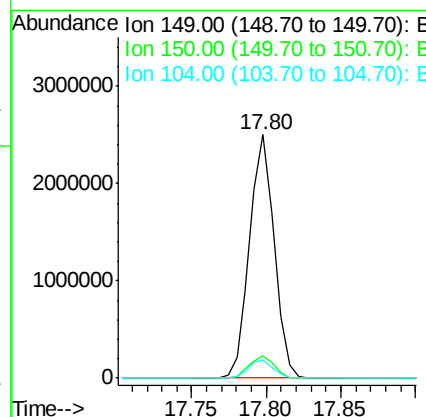
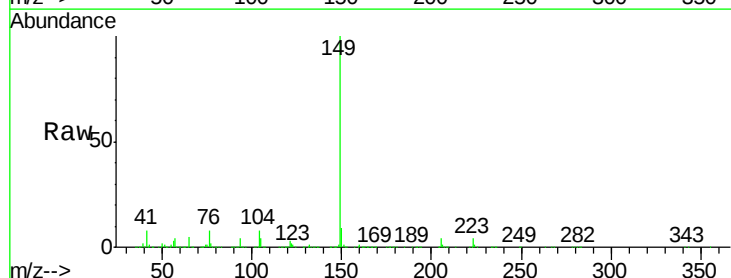
Instrument :  
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 ClientSampleId :  
 OK-03-072617-AMS

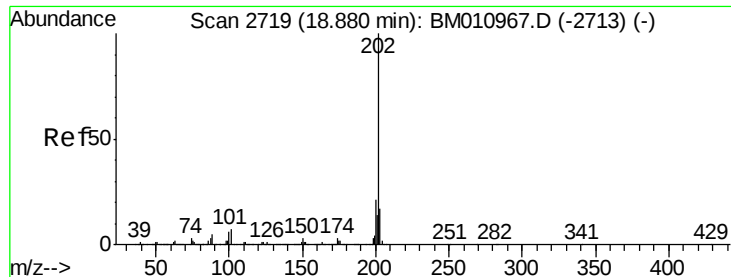
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.8  | 17.2  | 25.8  |
| 139     | 13.9  | 10.8  | 16.2  |



#73  
 Di-n-butylphthalate  
 Concen: 42.38 ng  
 RT: 17.80 min Scan# 2552  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 7.5   | 11.3  |
| 104     | 7.7   | 3.7   | 5.5   |

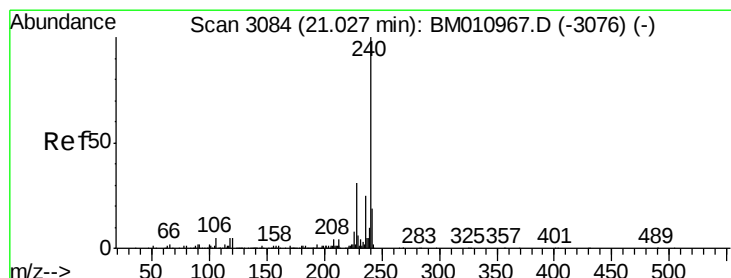
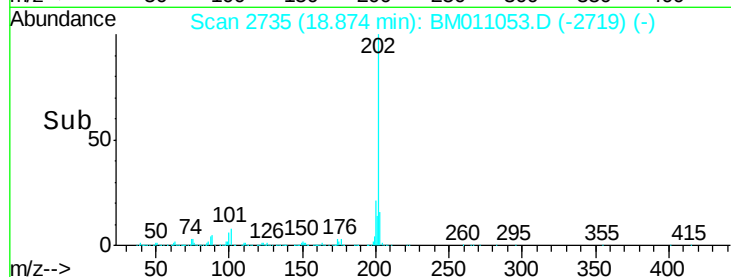
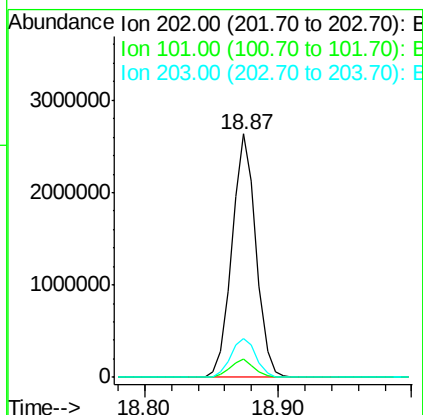
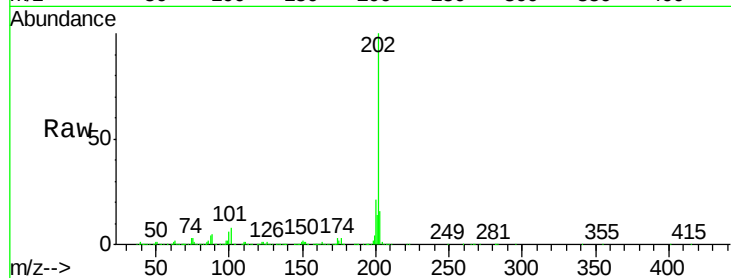




#74  
 Fluoranthene  
 Concen: 42.00 ng  
 RT: 18.87 min Scan# 2735  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

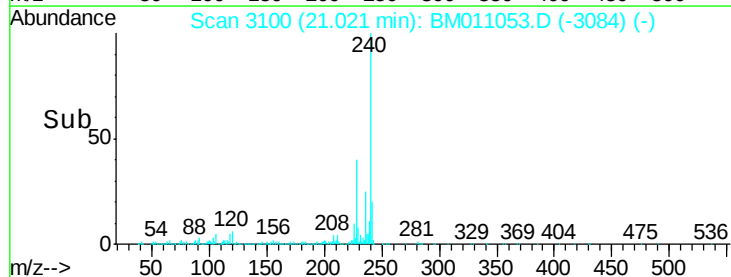
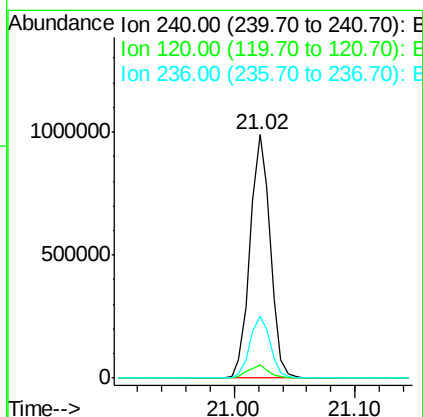
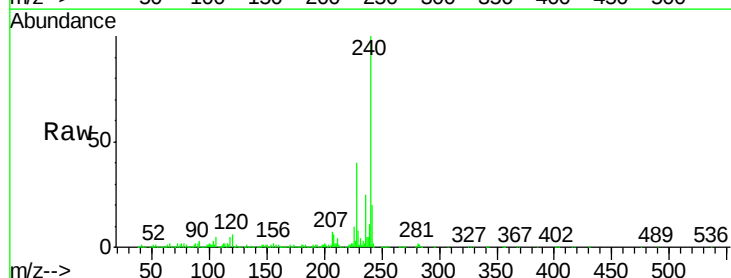
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

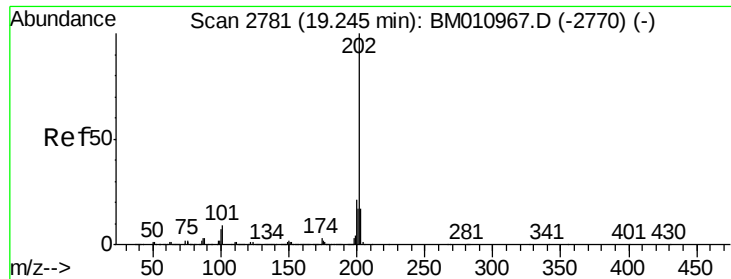
Tot Ion:202 Resp: 3299624  
 Ion Ratio Lower Upper  
 202 100  
 101 7.6 0.0 28.7  
 203 16.1 0.0 37.2



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.02 min Scan# 3100  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion:240 Resp: 1162939  
 Ion Ratio Lower Upper  
 240 100  
 120 5.7 8.2 12.2#  
 236 25.2 20.0 30.0

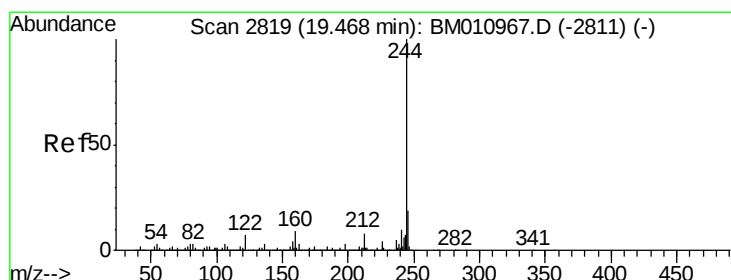
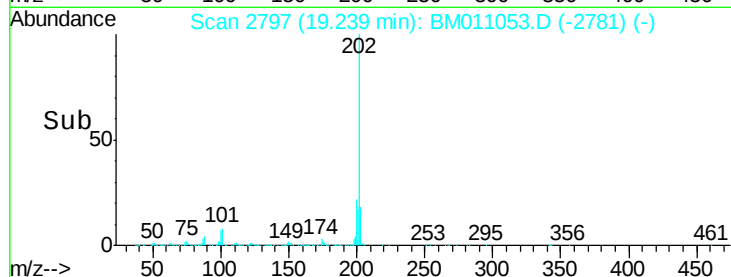
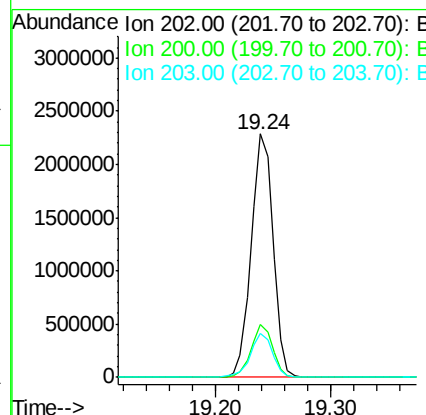
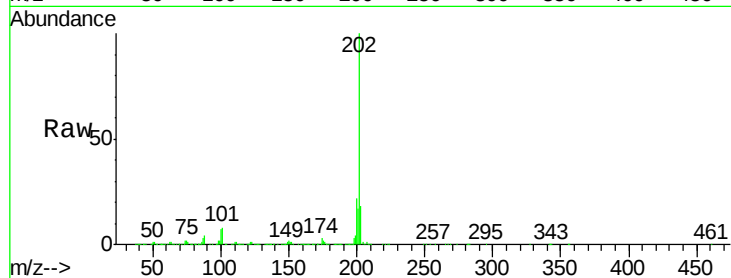




#77  
Pvrene  
Concen: 43.69 ng  
RT: 19.24 min Scan# 2797  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

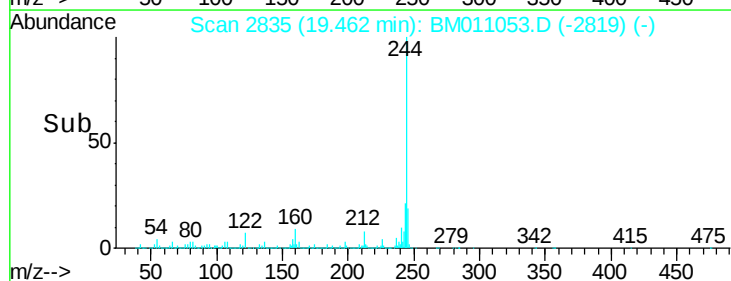
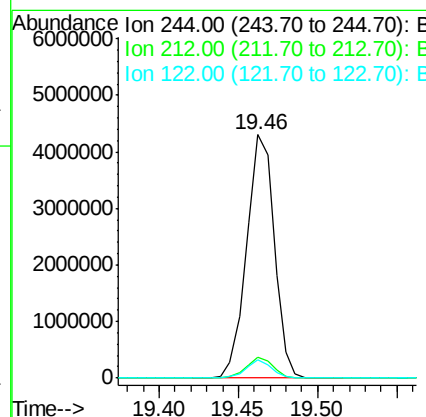
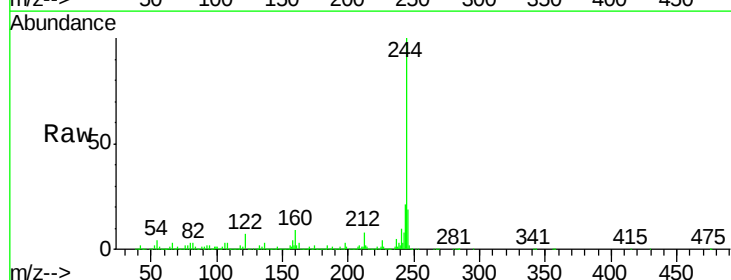
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

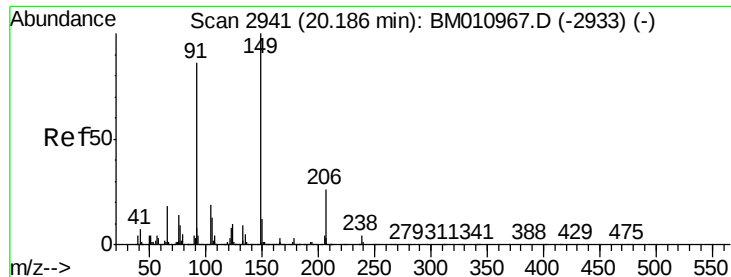
Tot Ion:202 Resp: 3019258  
Ion Ratio Lower Upper  
202 100  
200 21.6 16.9 25.3  
203 18.3 14.1 21.1



#78  
Terphenyl-d14  
Concen: 89.03 ng  
RT: 19.46 min Scan# 2835  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Tgt Ion:244 Resp: 5226732  
Ion Ratio Lower Upper  
244 100  
212 8.5 4.9 7.3#  
122 7.4 6.2 9.4

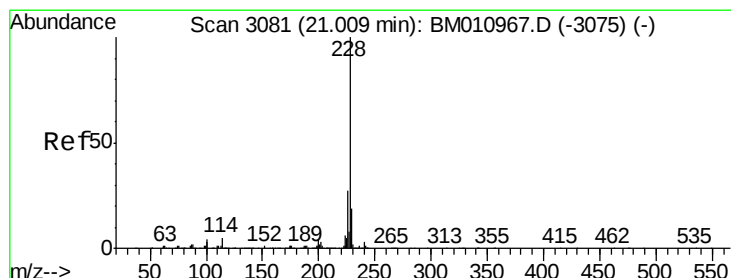
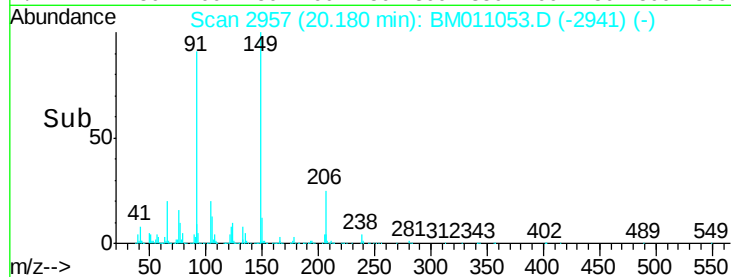
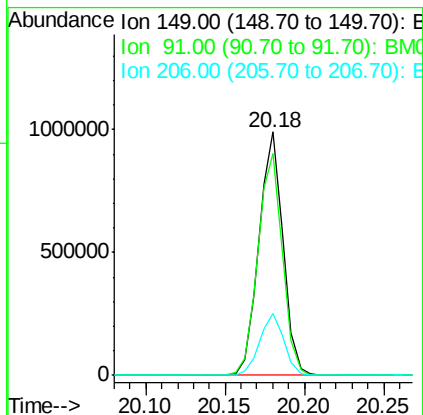
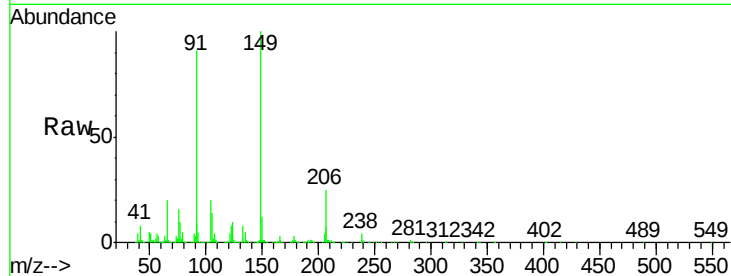




#79  
Butylbenzylphthalate  
Concen: 42.57 ng  
RT: 20.18 min Scan# 2957  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

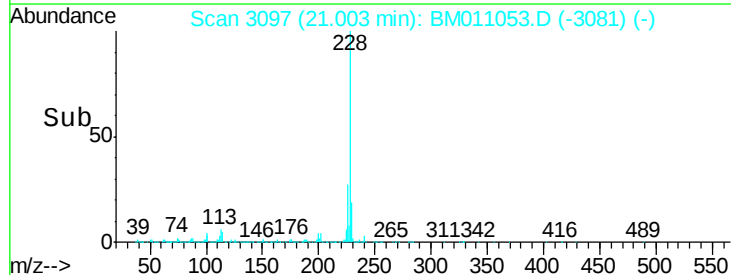
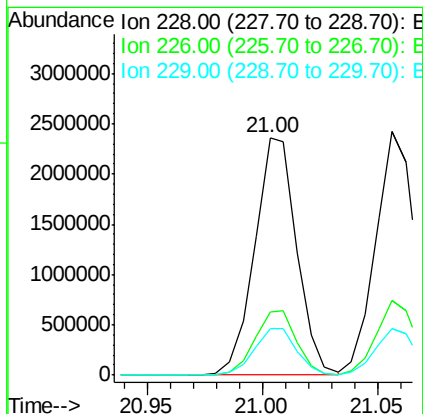
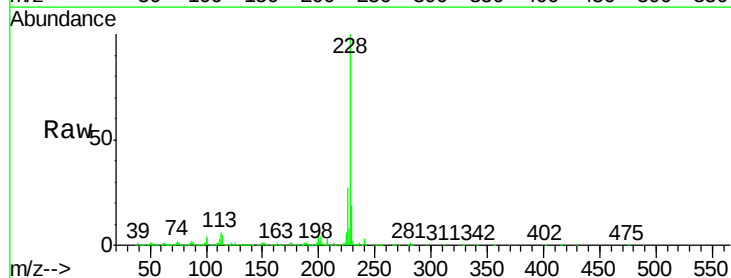
Instrument :  
BNA\_M  
ClientSampleId :  
OK-03-072617-AMS

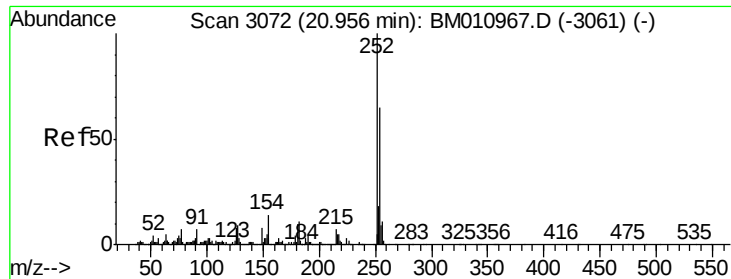
Tot Ion:149 Resp: 1046066  
Ion Ratio Lower Upper  
149 100  
91 91.2 50.1 75.1#  
206 25.4 16.2 24.2#



#80  
Benzo(a)anthracene  
Concen: 45.11 ng  
RT: 21.00 min Scan# 3097  
Delta R.T. -0.01 min  
Lab File: BM011053.D  
Acq: 28 Jul 2017 21:56

Tgt Ion:228 Resp: 2995430  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.7 32.5  
229 19.5 16.0 24.0

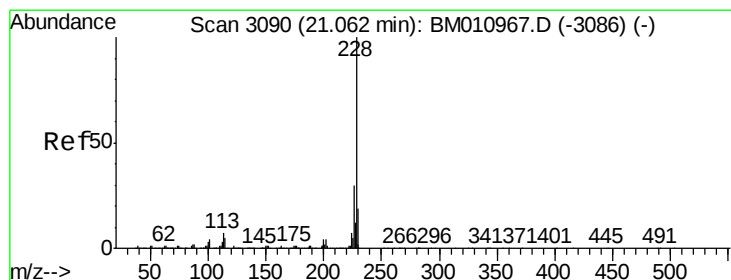
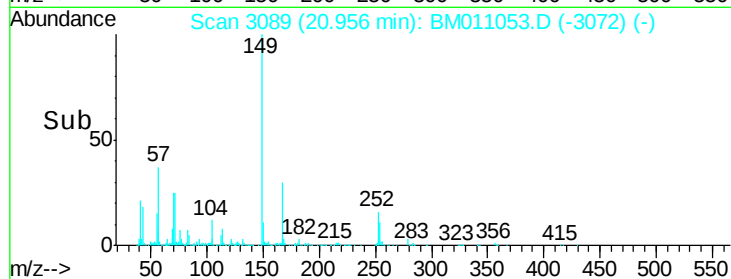
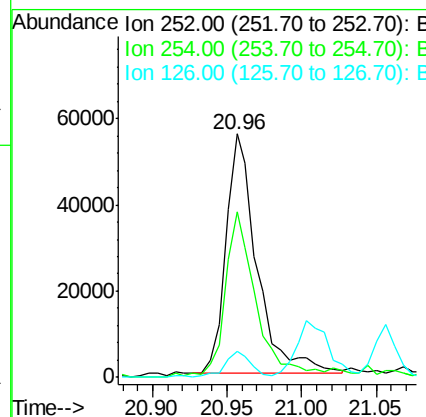
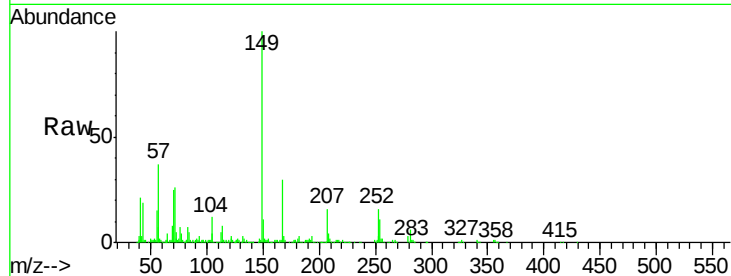




#81  
 3,3'-Dichlorobenzidine  
 Concen: 3.14 ng  
 RT: 20.96 min Scan# 3089  
 Delta R.T. 0.00 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

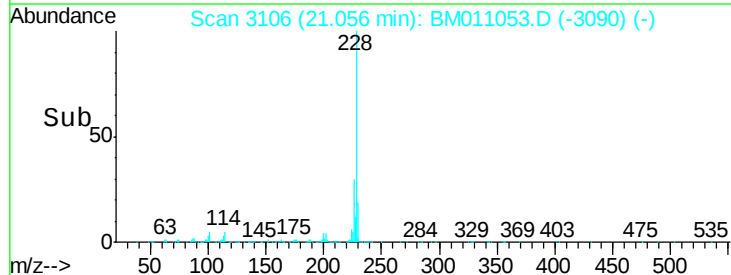
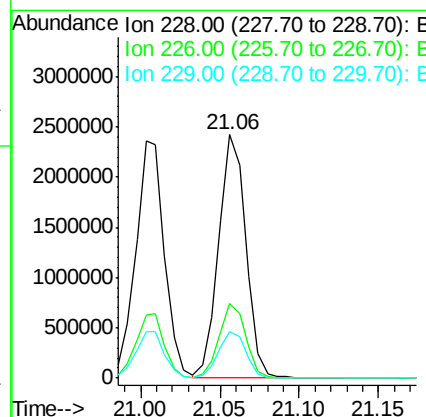
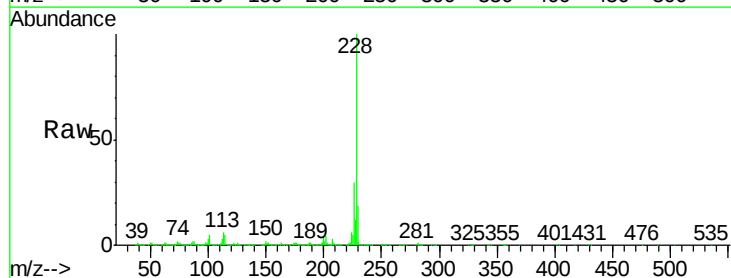
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

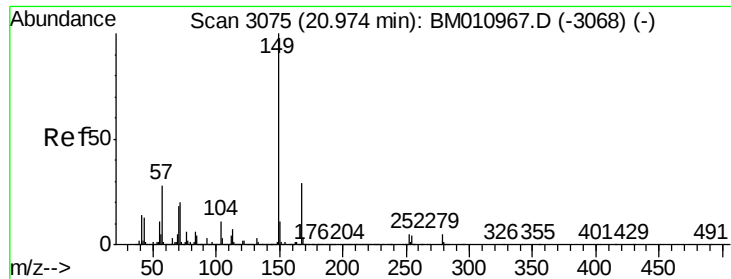
Tot Ion:252 Resp: 81800  
 Ion Ratio Lower Upper  
 252 100  
 254 67.8 51.9 77.9  
 126 10.5 9.8 14.8



#82  
 Chrysene  
 Concen: 45.17 ng  
 RT: 21.06 min Scan# 3106  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion:228 Resp: 2879004  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 24.1 36.1  
 229 19.3 15.5 23.3

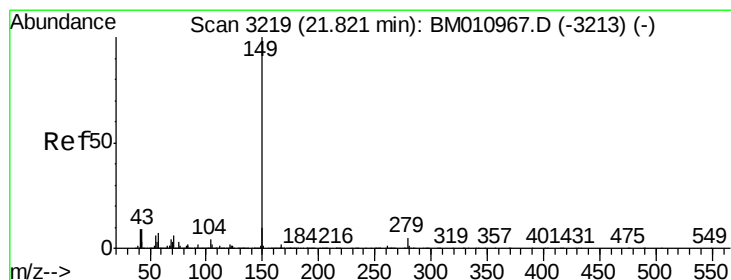
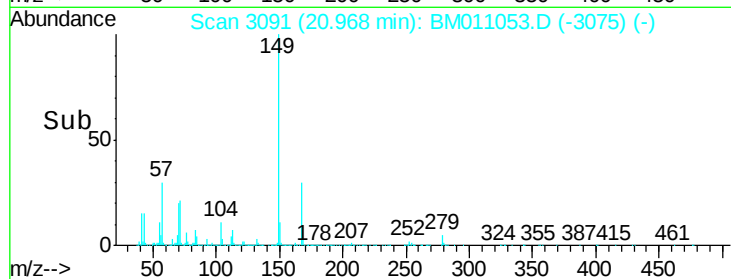
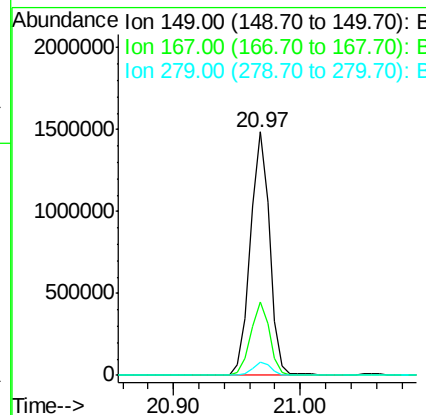
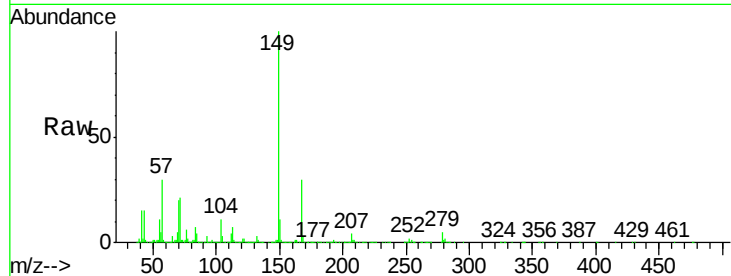




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.37 ng  
 RT: 20.97 min Scan# 3091  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

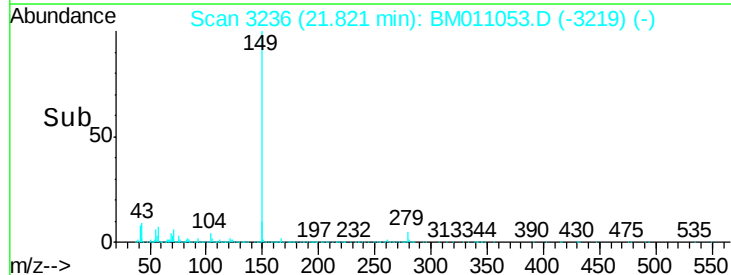
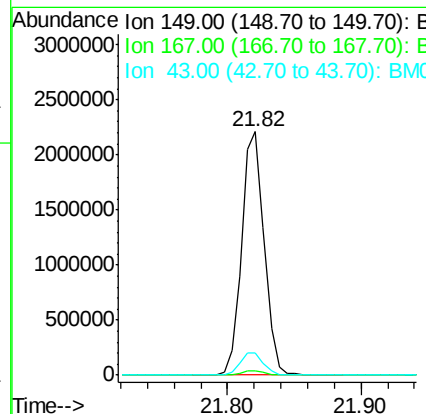
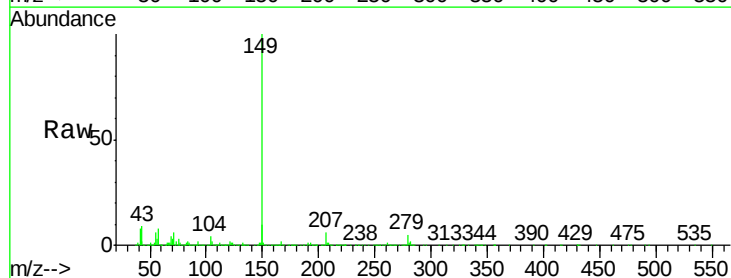
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

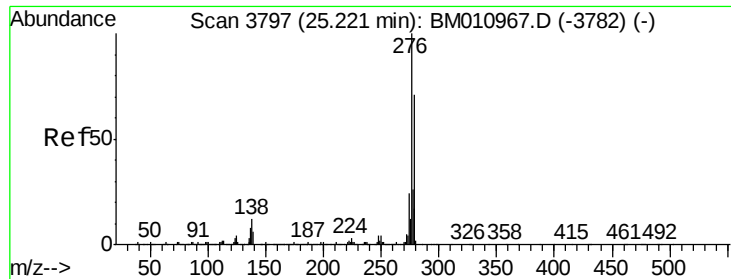
Tot Ion:149 Resp: 1567739  
 Ion Ratio Lower Upper  
 149 100  
 167 30.0 22.4 33.6  
 279 5.4 3.4 5.0#



#84  
 Di-n-octyl phthalate  
 Concen: 43.86 ng  
 RT: 21.82 min Scan# 3236  
 Delta R.T. 0.00 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion:149 Resp: 2573399  
 Ion Ratio Lower Upper  
 149 100  
 167 1.7 1.2 1.8  
 43 9.6 7.3 10.9

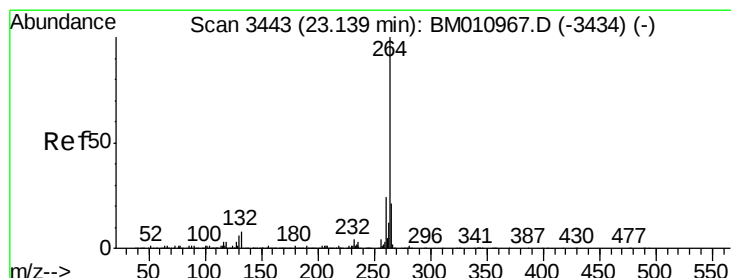
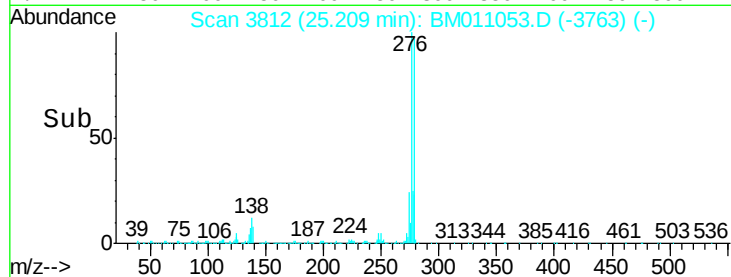
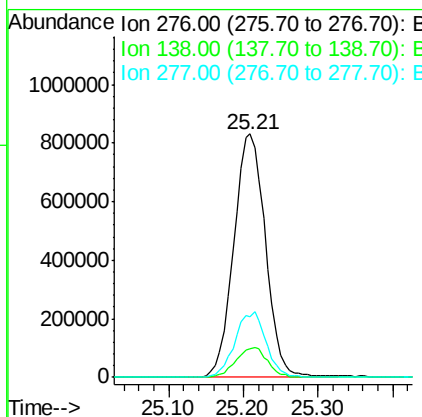
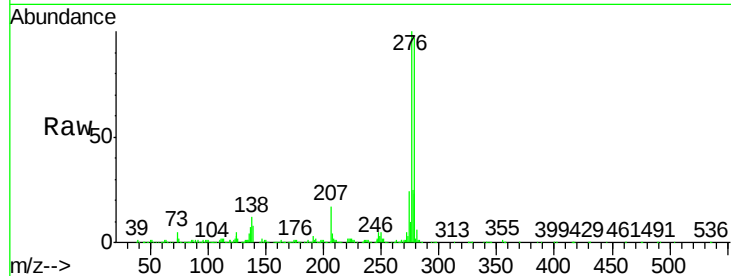




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.15 ng  
 RT: 25.21 min Scan# 3812  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

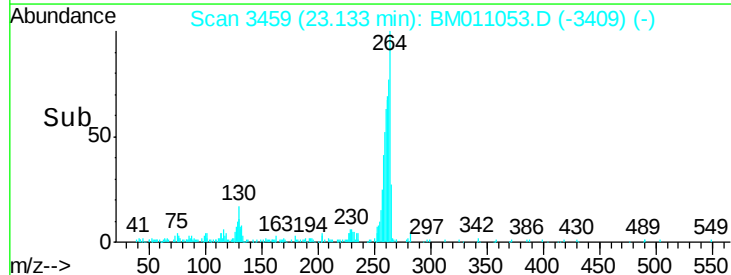
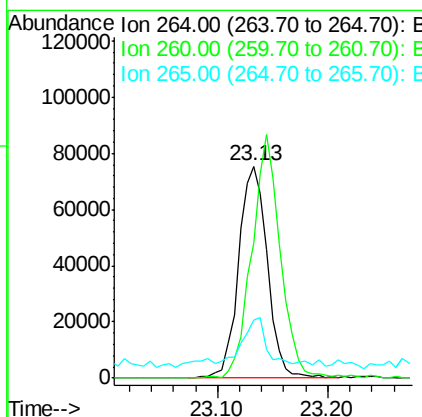
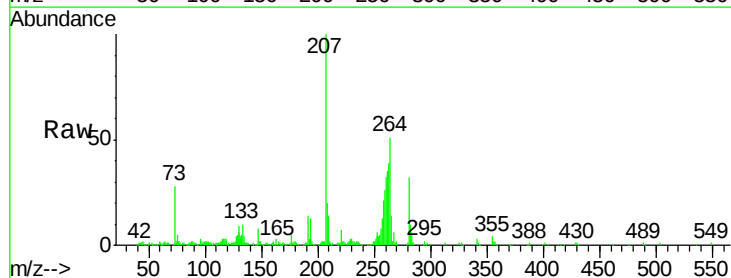
Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-03-072617-AMS

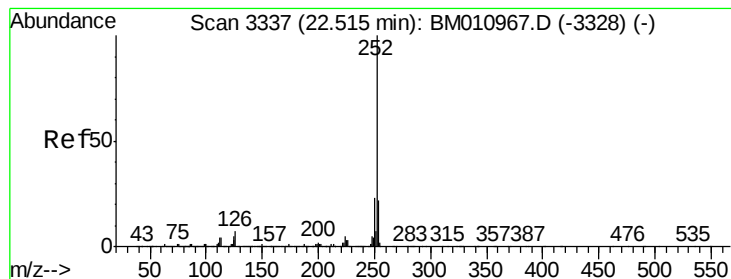
Tot Ion:276 Resp: 2452395  
 Ion Ratio Lower Upper  
 276 100  
 138 12.3 12.0 18.0  
 277 26.6 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.13 min Scan# 3459  
 Delta R.T. -0.01 min  
 Lab File: BM011053.D  
 Acq: 28 Jul 2017 21:56

Tgt Ion:264 Resp: 137876  
 Ion Ratio Lower Upper  
 264 100  
 260 63.3 18.6 27.8#  
 265 27.1 17.3 25.9#





#87

Benzo(b)fluoranthene

Concen: 345.05 ng

RT: 22.51 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

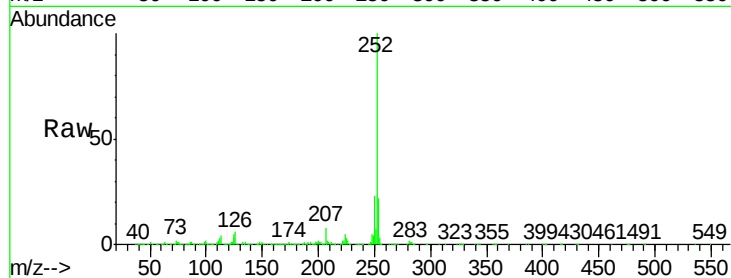
Tot Ion:252 Resp: 3053393

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

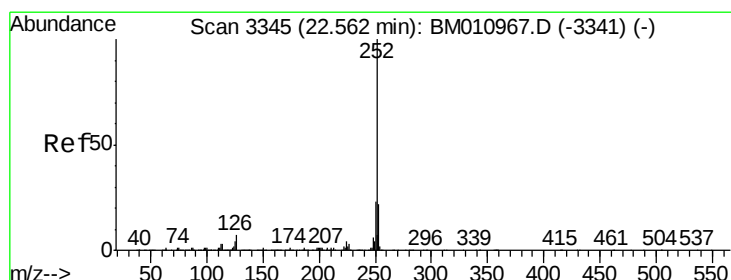
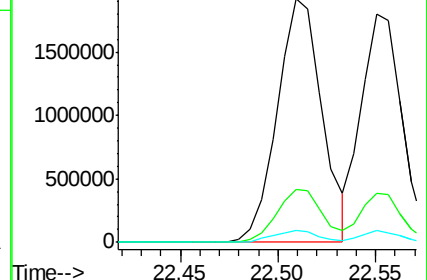
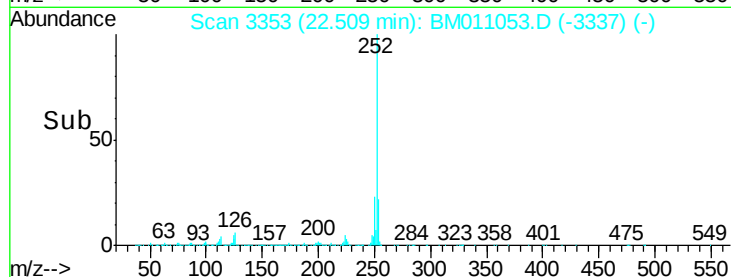
125 4.9 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 306.88 ng

RT: 22.55 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

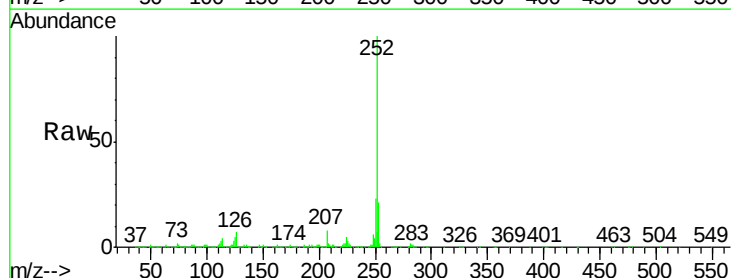
Tgt Ion:252 Resp: 2602750

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

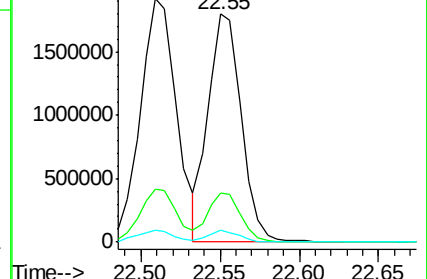
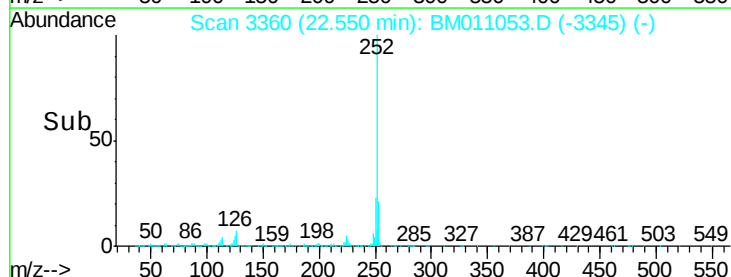
125 5.2 8.1 12.1#

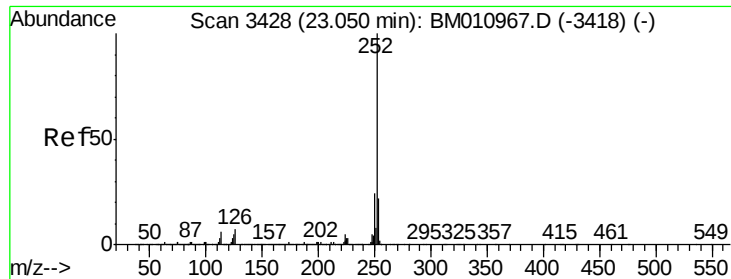


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 259.95 ng

RT: 23.04 min Scan# 3444

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

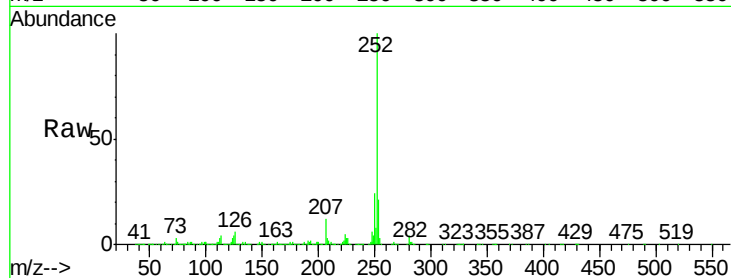
Tot Ion:252 Resp: 2081468

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

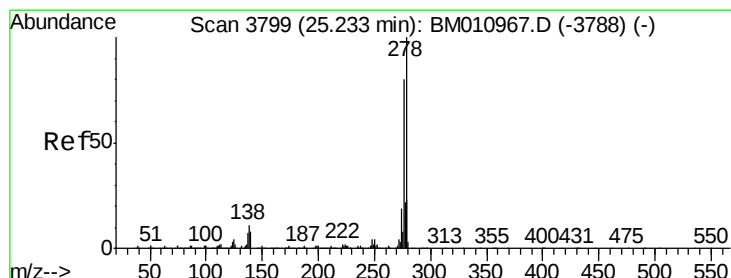
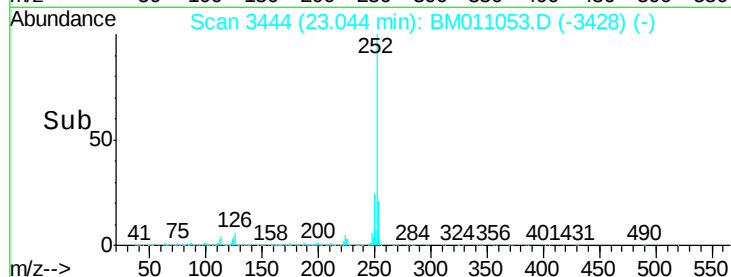
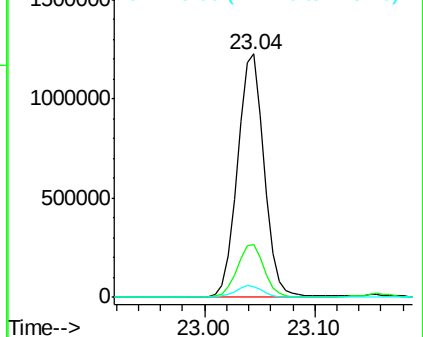
125 4.2 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 367.09 ng

RT: 25.22 min Scan# 3814

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

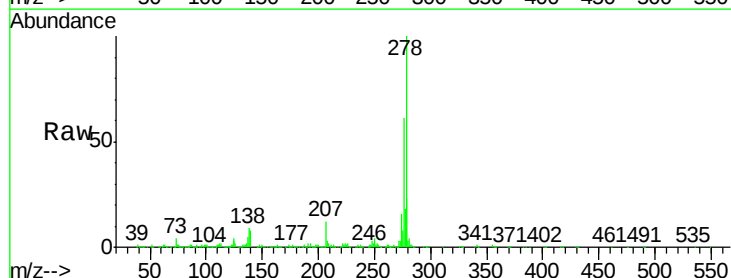
Tgt Ion:278 Resp: 2724870

Ion Ratio Lower Upper

278 100

139 7.9 13.4 20.0#

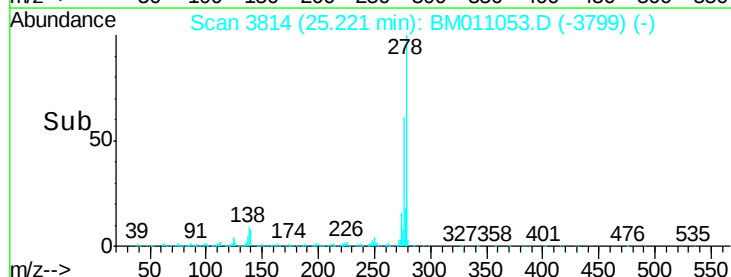
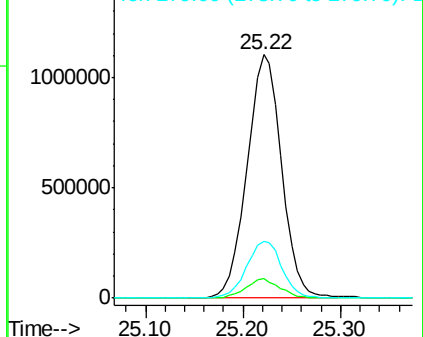
279 23.4 19.0 28.4

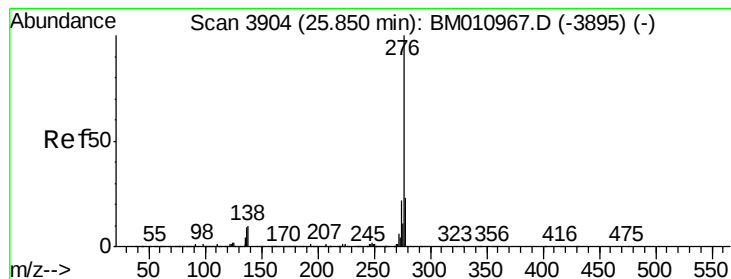


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 277.79 ng

RT: 25.84 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BM011053.D

Acq: 28 Jul 2017 21:56

Instrument :

BNA\_M

ClientSampleId :

OK-03-072617-AMS

Tot Ion:276 Resp: 2024838

Ion Ratio Lower Upper

276 100

277 23.9 18.5 27.7

138 7.9 19.0 28.6#

