

Data Path : Z:\HPCHEM1\BNA M\DATA\BM082517\  
 Data File : BM011346.D  
 Acq On : 25 Aug 2017 16:33  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Aug 25 23:27:50 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 02:25:04 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.26  | 152  | 91014    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.02 | 136  | 367378   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 13.93 | 164  | 301334   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 16.69 | 188  | 872529   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 20.92 | 240  | 1203490  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 22.99 | 264  | 1119618  | 20.00 | ng    | -0.03    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 4.90  | 112 | 437847  | 81.32  | ng | -0.02 |
| 7) Phenol-d6                | 6.47  | 99  | 685783  | 89.65  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 8.41  | 82  | 1084716 | 110.82 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 15.44 | 330 | 418113  | 86.57  | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 12.54 | 172 | 1876255 | 78.09  | ng | -0.02 |
| 78) Terphenyl-d14           | 19.36 | 244 | 4857592 | 79.95  | ng | -0.02 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.90  | 88  | 122145 | 50.53 | ng | # 100  |
| 3) Pyridine                    | 3.28  | 79  | 339453 | 51.41 | ng | # 88   |
| 4) n-Nitrosodimethylamine      | 3.20  | 42  | 207189 | 61.57 | ng | # 65   |
| 6) Aniline                     | 6.61  | 93  | 444805 | 46.14 | ng | # 76   |
| 8) 2-Chlorophenol              | 6.84  | 128 | 215970 | 39.51 | ng | # 55   |
| 9) Benzaldehyde                | 6.43  | 77  | 238915 | 48.27 | ng | # 62   |
| 10) Phenol                     | 6.50  | 94  | 379244 | 45.64 | ng | # 82   |
| 11) bis(2-Chloroethyl)ether    | 6.72  | 93  | 282975 | 43.71 | ng | # 82   |
| 12) 1,3-Dichlorobenzene        | 7.15  | 146 | 251888 | 37.81 | ng | # 63   |
| 13) 1,4-Dichlorobenzene        | 7.30  | 146 | 271870 | 39.81 | ng | # 88   |
| 14) 1,2-Dichlorobenzene        | 7.60  | 146 | 258597 | 39.61 | ng | # 84   |
| 15) Benzyl Alcohol             | 7.52  | 79  | 372088 | 50.70 | ng | # 74   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.79  | 45  | 312305 | 53.61 | ng | # 84   |
| 17) 2-Methylphenol             | 7.72  | 107 | 232644 | 43.81 | ng | # 58   |
| 18) Hexachloroethane           | 8.32  | 117 | 136683 | 45.90 | ng | # 83   |
| 19) n-Nitroso-di-n-propylamine | 8.07  | 70  | 372653 | 57.33 | ng | # 92   |
| 20) 3+4-Methylphenols          | 8.05  | 107 | 317259 | 42.98 | ng | # 75   |
| 22) Acetophenone               | 8.08  | 105 | 481961 | 43.77 | ng | # 79   |
| 24) Nitrobenzene               | 8.45  | 77  | 565043 | 55.71 | ng | # 74   |
| 25) Isophorone                 | 8.97  | 82  | 851181 | 52.15 | ng | # 83   |
| 26) 2-Nitrophenol              | 9.15  | 139 | 132931 | 41.19 | ng | # 1    |
| 27) 2,4-Dimethylphenol         | 9.23  | 122 | 234319 | 41.24 | ng | # 60   |
| 28) bis(2-Chloroethoxy)methane | 9.47  | 93  | 424142 | 46.60 | ng | # 95   |
| 29) 2,4-Dichlorophenol         | 9.68  | 162 | 273687 | 42.87 | ng | # 92   |
| 30) 1,2,4-Trichlorobenzene     | 9.89  | 180 | 358761 | 45.45 | ng | # 100  |
| 31) Naphthalene                | 10.07 | 128 | 761524 | 41.20 | ng | # 99   |
| 32) Benzoic acid               | 9.38  | 122 | 169664 | 37.15 | ng | # 39   |
| 33) 4-Chloroaniline            | 10.20 | 127 | 301016 | 40.83 | ng | # 56   |
| 34) Hexachlorobutadiene        | 10.36 | 225 | 303949 | 48.89 | ng | # 95   |
| 35) Caprolactam                | 10.99 | 113 | 72834  | 40.23 | ng | # 68   |
| 36) 4-Chloro-3-methylphenol    | 11.34 | 107 | 393809 | 47.77 | ng | # 66   |
| 37) 2-Methylnaphthalene        | 11.69 | 142 | 596610 | 43.94 | ng | # 85   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.08 | 216 | 546623 | 42.22 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.06 | 237 | 262485 | 34.80 | ng | # 98   |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

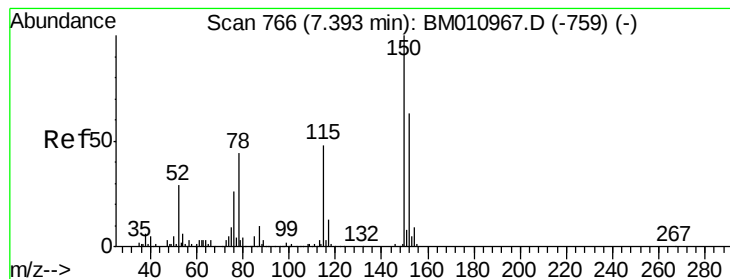
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Aug 25 23:27:50 2017  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.34 | 196  | 319422   | 40.76 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 12.42 | 196  | 319182   | 39.55 | nq    | # 82     |
| 45) 1,1'-Biphenyl              | 12.75 | 154  | 987650   | 37.91 | nq    | 94       |
| 46) 2-Chloronaphthalene        | 12.79 | 162  | 745857   | 38.85 | nq    | # 93     |
| 47) 2-Nitroaniline             | 13.01 | 65   | 375833   | 55.34 | nq    | # 55     |
| 48) Acenaphthylene             | 13.65 | 152  | 1155141  | 40.32 | nq    | 99       |
| 49) Dimethylphthalate          | 13.42 | 163  | 1016733  | 39.44 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.53 | 165  | 209787   | 40.24 | nq    | # 21     |
| 51) Acenaphthene               | 14.00 | 154  | 734601   | 41.41 | nq    | 99       |
| 52) 3-Nitroaniline             | 13.86 | 138  | 179443   | 39.67 | nq    | # 14     |
| 53) 2,4-Dinitrophenol          | 14.07 | 184  | 149680   | 40.40 | nq    | # 54     |
| 54) Dibenzofuran               | 14.34 | 168  | 1202963  | 41.85 | nq    | # 90     |
| 55) 4-Nitrophenol              | 14.19 | 139  | 115129   | 28.97 | nq    | # 61     |
| 56) 2,4-Dinitrotoluene         | 14.33 | 165  | 323234   | 44.17 | nq    | # 58     |
| 57) Fluorene                   | 14.99 | 166  | 1093536  | 43.70 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.57 | 232  | 334669   | 44.24 | nq    | # 100    |
| 59) Diethylphthalate           | 14.80 | 149  | 1111113  | 42.21 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.00 | 204  | 656981   | 43.48 | nq    | 99       |
| 61) 4-Nitroaniline             | 15.04 | 138  | 146171   | 30.42 | nq    | # 1      |
| 62) Azobenzene                 | 15.29 | 77   | 1643708  | 58.34 | nq    | 81       |
| 64) 4,6-Dinitro-2-methylphenol | 15.09 | 198  | 249475   | 42.23 | nq    | 89       |
| 65) n-Nitrosodiphenylamine     | 15.22 | 169  | 985210   | 39.45 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 15.90 | 248  | 453432   | 40.42 | nq    | # 88     |
| 67) Hexachlorobenzene          | 16.00 | 284  | 483319   | 38.13 | nq    | # 80     |
| 68) Atrazine                   | 16.20 | 200  | 398153   | 39.79 | nq    | 97       |
| 69) Pentachlorophenol          | 16.35 | 266  | 320582   | 39.84 | nq    | 99       |
| 70) Phenanthrene               | 16.73 | 178  | 1927029  | 42.18 | nq    | 99       |
| 71) Anthracene                 | 16.83 | 178  | 1943644  | 42.66 | nq    | 99       |
| 72) Carbazole                  | 17.11 | 167  | 1732679  | 43.48 | nq    | 100      |
| 73) Di-n-butylphthalate        | 17.70 | 149  | 2087589  | 43.02 | nq    | # 95     |
| 74) Fluoranthene               | 18.77 | 202  | 2661055  | 47.00 | nq    | 97       |
| 76) Benzidine                  | 18.99 | 184  | 727332   | 25.26 | nq    | 98       |
| 77) Pyrene                     | 19.14 | 202  | 2804284  | 39.22 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.09 | 149  | 1010624  | 39.74 | nq    | # 56     |
| 80) Benzo(a)anthracene         | 20.91 | 228  | 2918543  | 42.47 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 20.86 | 252  | 1095736  | 40.65 | nq    | # 98     |
| 82) Chrysene                   | 20.96 | 228  | 2802432  | 42.48 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 20.87 | 149  | 1505477  | 40.24 | nq    | # 98     |
| 84) Di-n-octyl phthalate       | 21.72 | 149  | 2543268  | 41.89 | nq    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 25.00 | 276  | 2893917  | 42.36 | nq    | # 96     |
| 87) Benzo(b)fluoranthene       | 22.39 | 252  | 2859488  | 39.79 | nq    | # 91     |
| 88) Benzo(k)fluoranthene       | 22.43 | 252  | 2840893  | 41.25 | nq    | # 95     |
| 89) Benzo(a)pyrene             | 22.90 | 252  | 2704483  | 41.59 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 25.01 | 278  | 2362544  | 39.19 | nq    | # 92     |
| 91) Benzo(g,h,i)perylene       | 25.60 | 276  | 2361244  | 39.89 | nq    | # 83     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.26 min Scan# 761

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

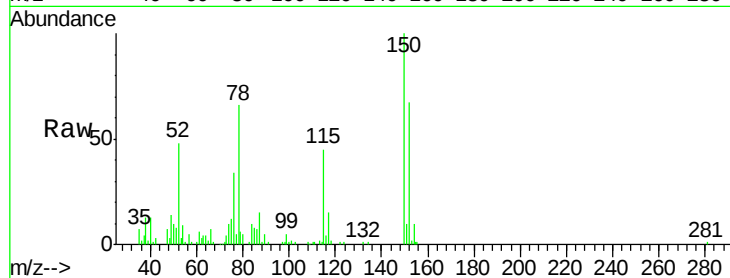
Tot Ion:152 Resp: 91014

Ion Ratio Lower Upper

152 100

150 149.5 119.5 179.3

115 67.1 43.0 64.4#

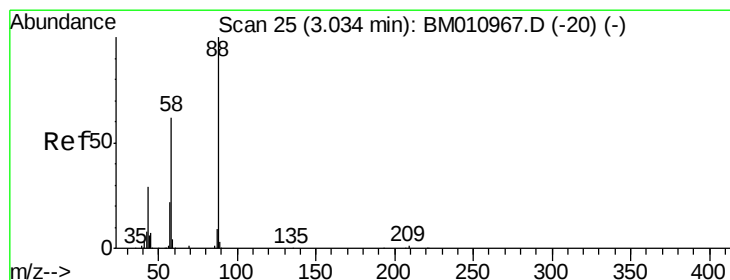
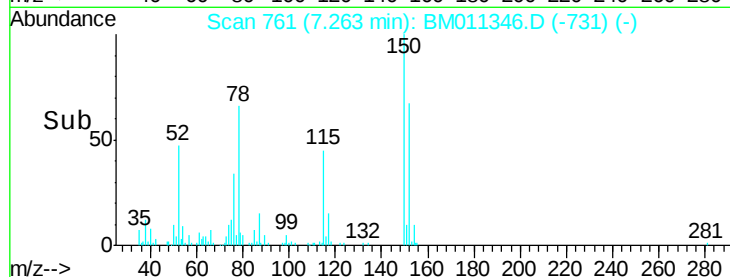
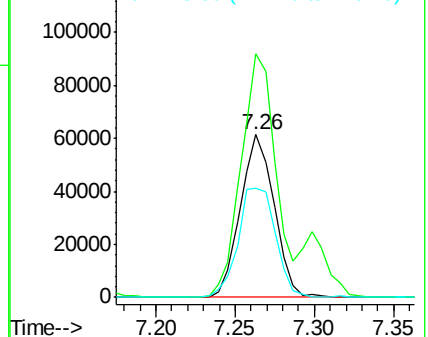


Abundance

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: 50.53 ng

RT: 2.90 min Scan# 20

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

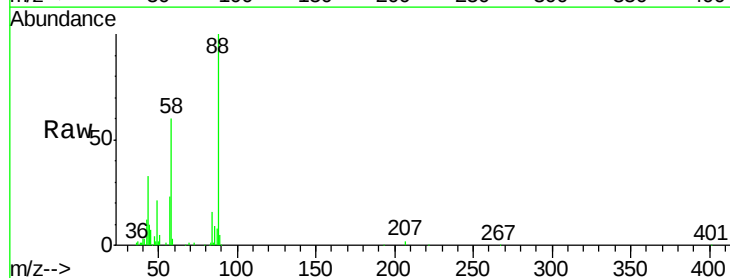
Tgt Ion: 88 Resp: 122145

Ion Ratio Lower Upper

88 100

58 67.8 0.0 0.0#

43 33.4 0.0 0.0#

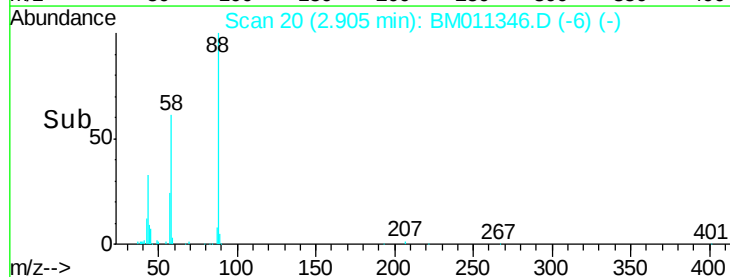
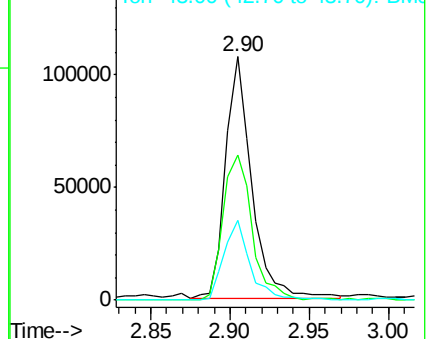


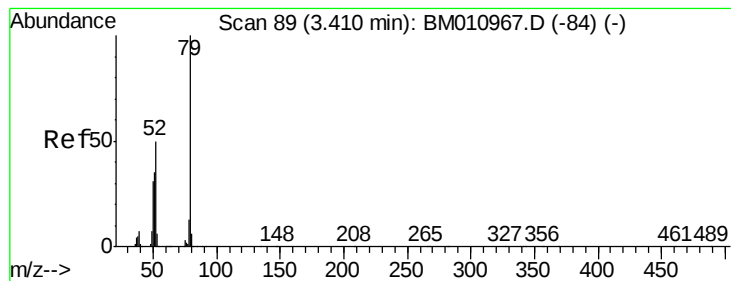
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 51.41 ng

RT: 3.28 min Scan# 84

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

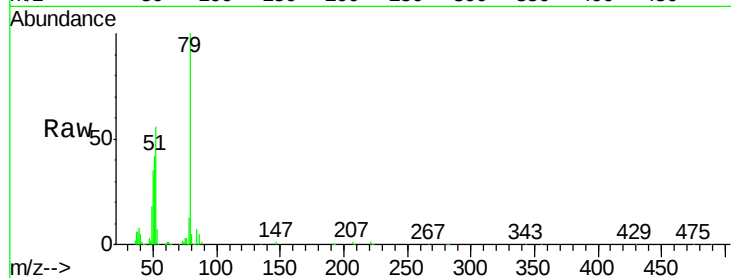
Tot Ion: 79 Resp: 339453

Ion Ratio Lower Upper

79 100

52 56.0 51.1 76.7

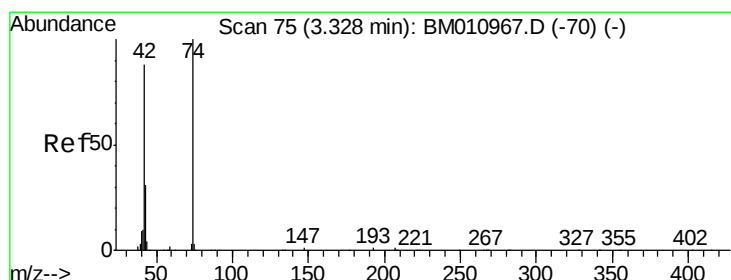
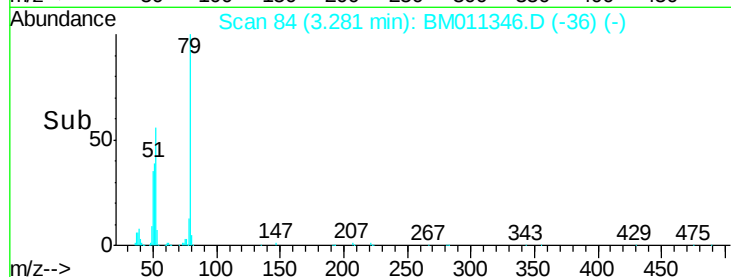
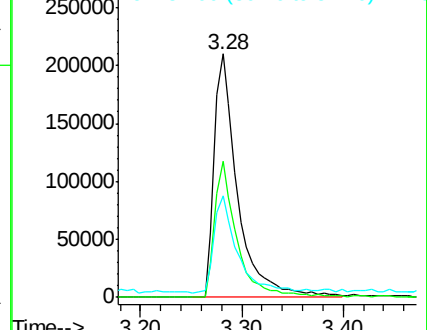
51 41.7 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM010967.D (-84) (-)

Ion 52.00 (51.70 to 52.70): BM010967.D (-84) (-)

Ion 51.00 (50.70 to 51.70): BM010967.D (-84) (-)



#4

n-Nitrosodimethylamine

Concen: 61.57 ng

RT: 3.20 min Scan# 70

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

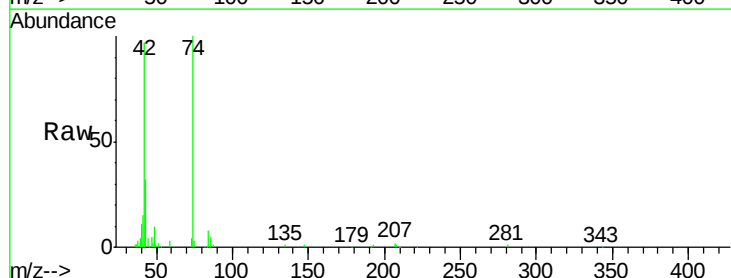
Tgt Ion: 42 Resp: 207189

Ion Ratio Lower Upper

42 100

74 103.4 119.3 178.9#

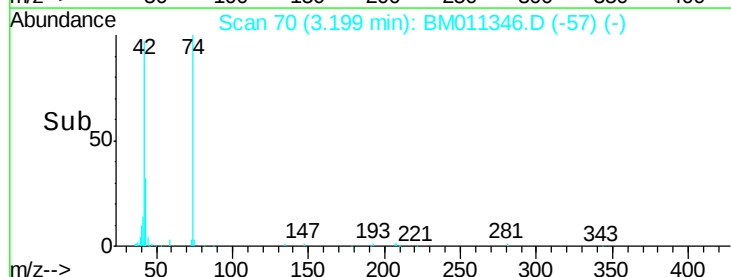
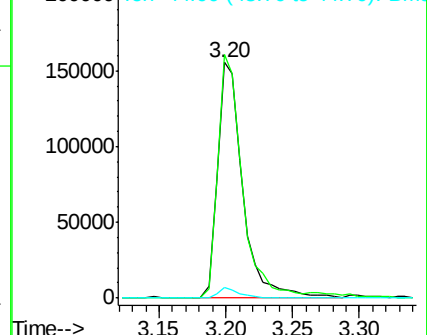
44 4.4 5.4 8.2#

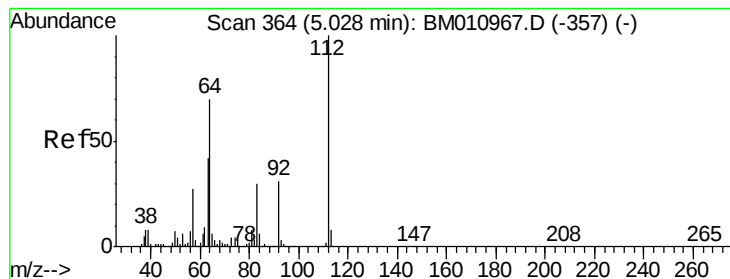


Abundance Ion 42.00 (41.70 to 42.70): BM010967.D (-70) (-)

Ion 74.00 (73.70 to 74.70): BM010967.D (-70) (-)

Ion 44.00 (43.70 to 44.70): BM010967.D (-70) (-)





#5

2-Fluorophenol

Concen: 81.32 ng

RT: 4.90 min Scan# 360

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

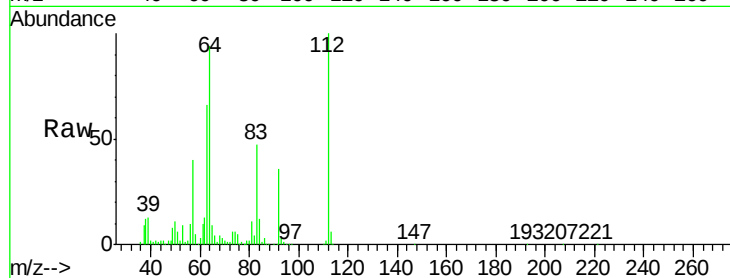
Tot Ion:112 Resp: 437847

Ion Ratio Lower Upper

112 100

64 93.8 38.6 57.8#

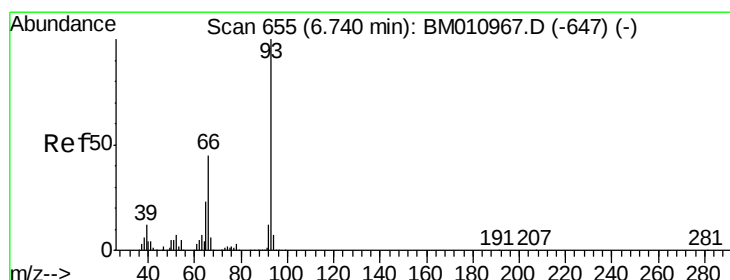
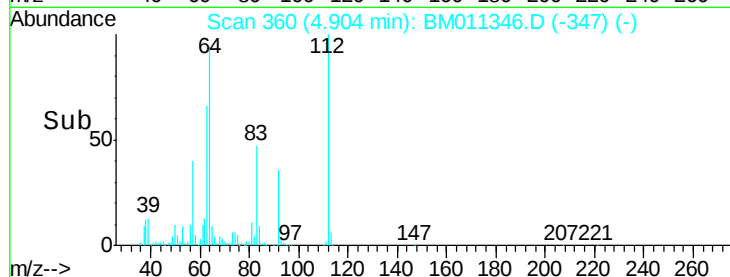
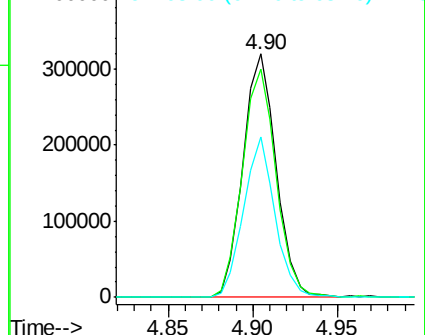
63 65.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 46.14 ng

RT: 6.61 min Scan# 650

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

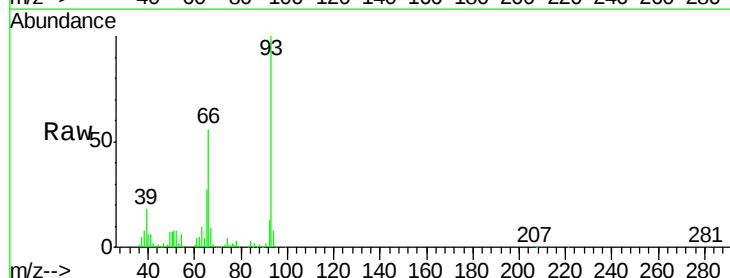
Tgt Ion: 93 Resp: 444805

Ion Ratio Lower Upper

93 100

66 55.8 30.8 46.2#

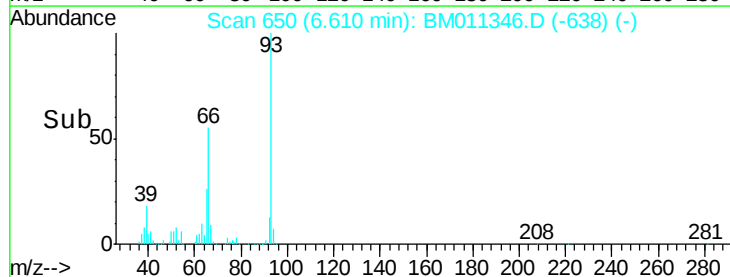
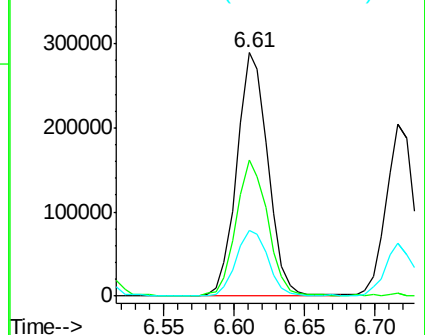
65 26.7 16.0 24.0#

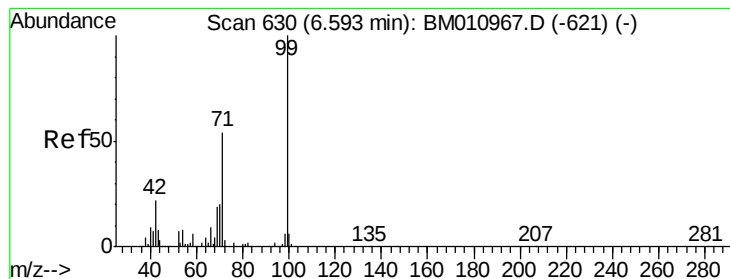


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 89.65 ng

RT: 6.47 min Scan# 626

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

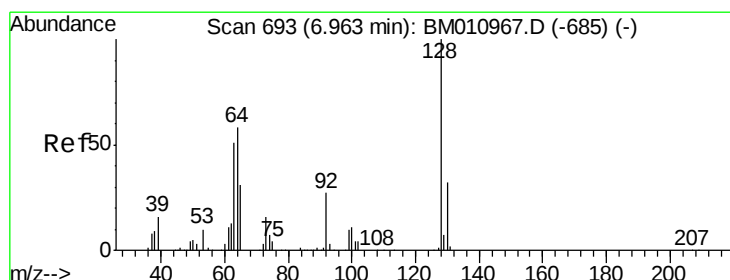
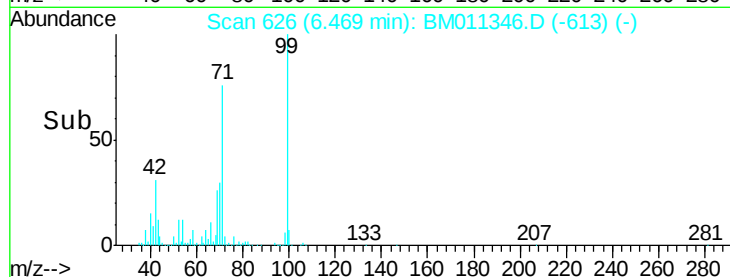
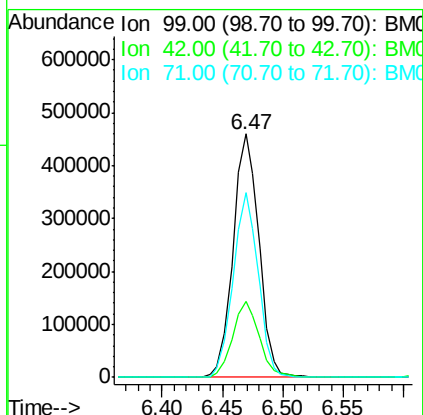
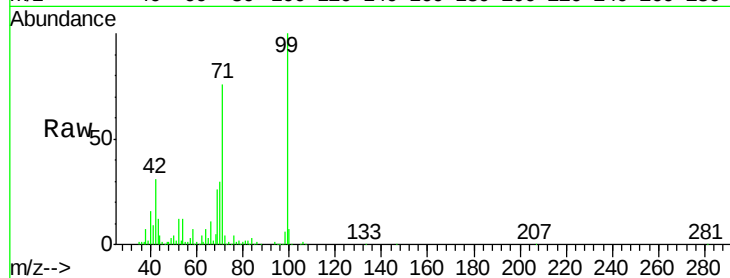
Tot Ion: 99 Resp: 685783

Ion Ratio Lower Upper

99 100

42 31.3 11.0 16.4#

71 75.7 23.4 35.2#



#8

2-Chlorophenol

Concen: 39.51 ng

RT: 6.84 min Scan# 689

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

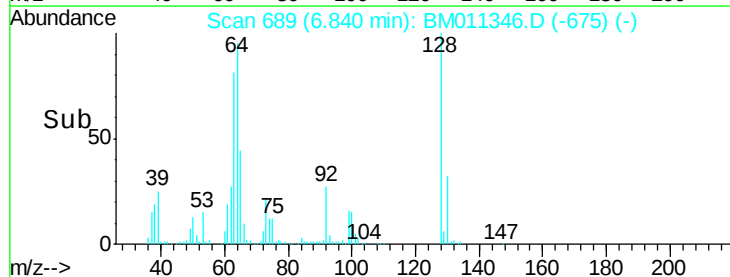
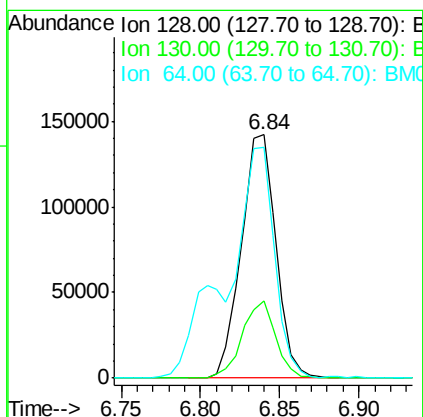
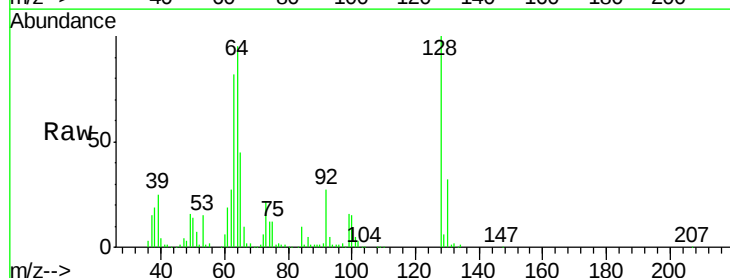
Tgt Ion: 128 Resp: 215970

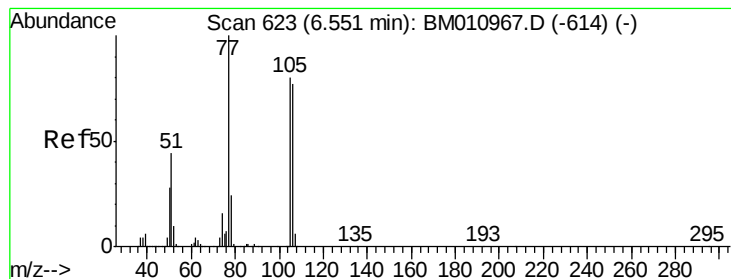
Ion Ratio Lower Upper

128 100

130 31.7 12.0 52.0

64 95.0 24.9 64.9#





#9

Benzaldehyde

Concen: 48.27 ng

RT: 6.43 min Scan# 619

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

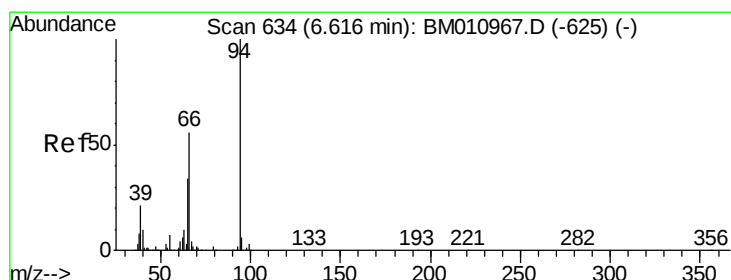
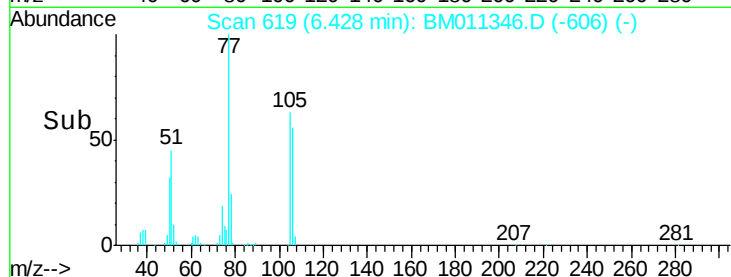
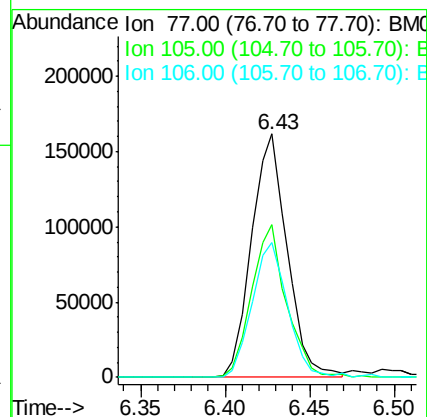
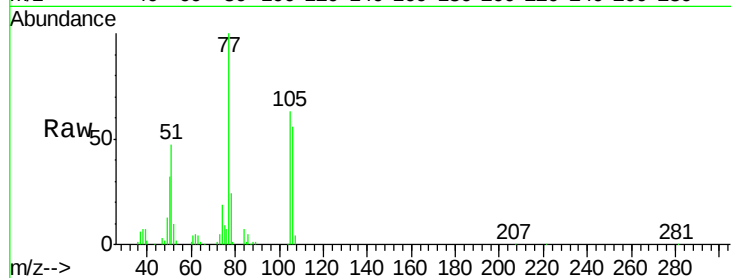
Tot Ion: 77 Resp: 238915

Ion Ratio Lower Upper

77 100

105 63.0 78.8 118.8#

106 55.5 73.7 113.7#



#10

Phenol

Concen: 45.64 ng

RT: 6.50 min Scan# 631

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

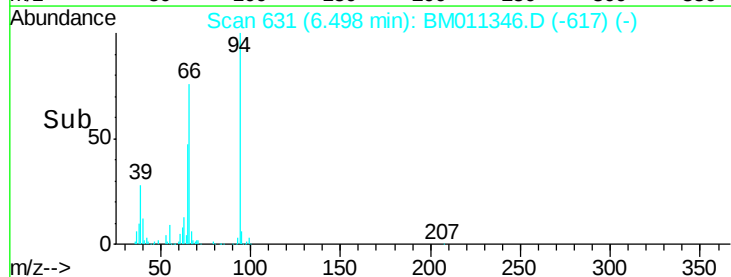
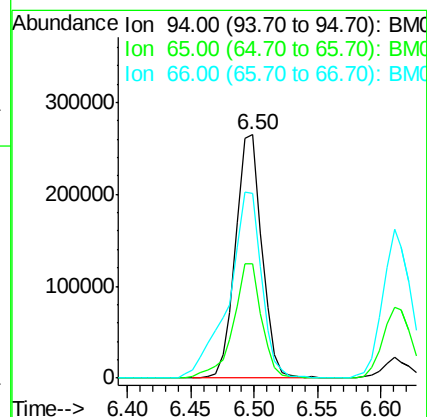
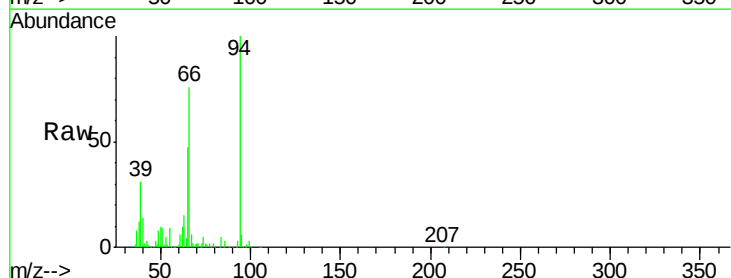
Tgt Ion: 94 Resp: 379244

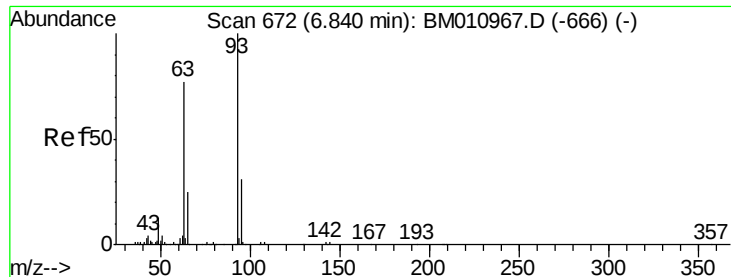
Ion Ratio Lower Upper

94 100

65 47.0 18.8 58.8

66 75.8 39.9 79.9

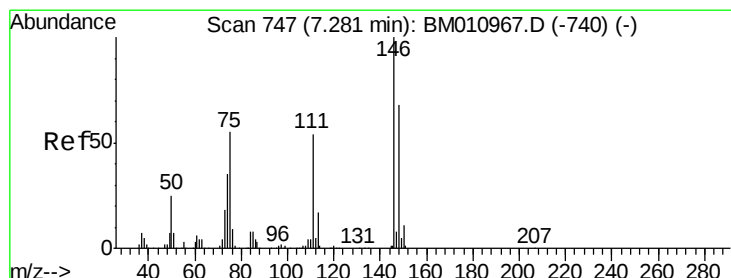
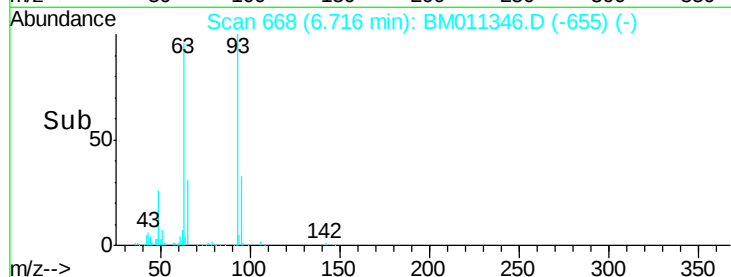
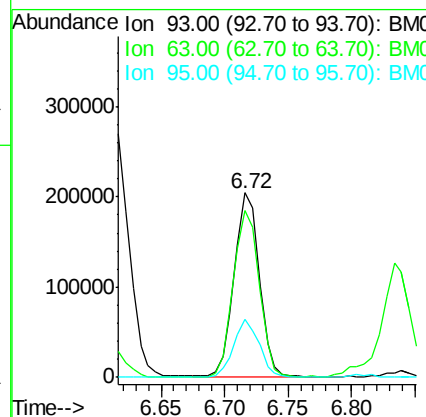
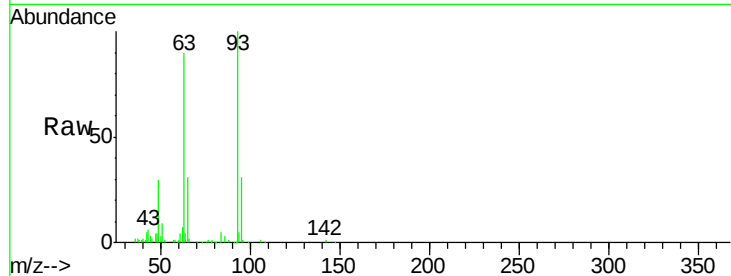




#11  
bis(2-Chloroethyl)ether  
Concen: 43.71 ng  
RT: 6.72 min Scan# 668  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

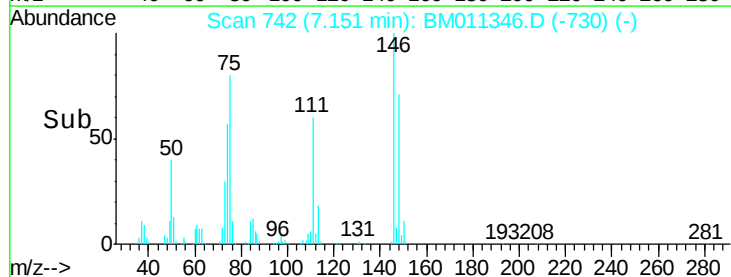
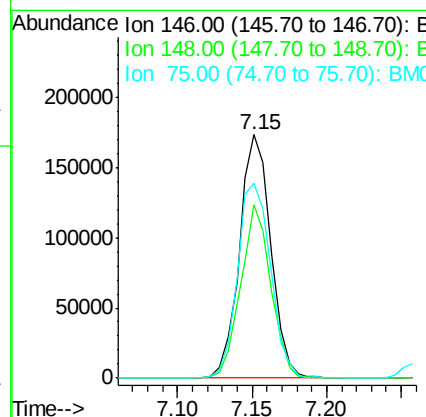
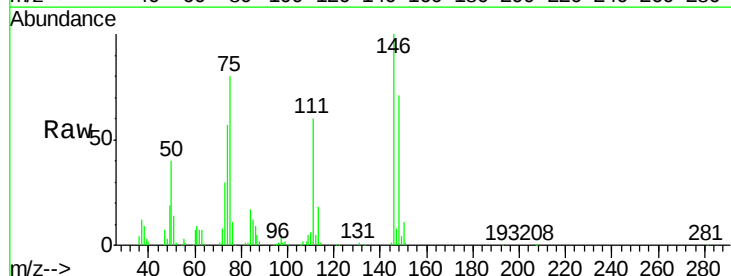
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

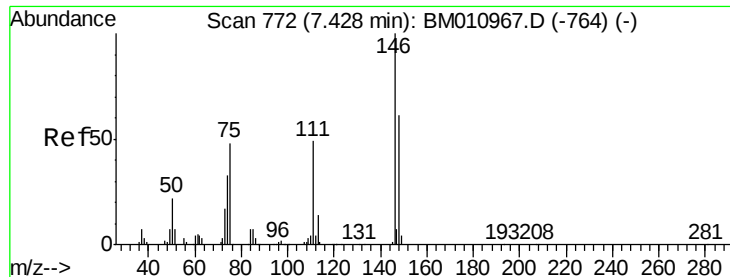
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 90.4  | 49.5  | 89.5# |
| 95      | 31.4  | 13.5  | 53.5  |



#12  
1,3-Dichlorobenzene  
Concen: 37.81 ng  
RT: 7.15 min Scan# 742  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 71.0  | 50.9  | 76.3  |
| 75      | 80.3  | 21.4  | 32.2# |

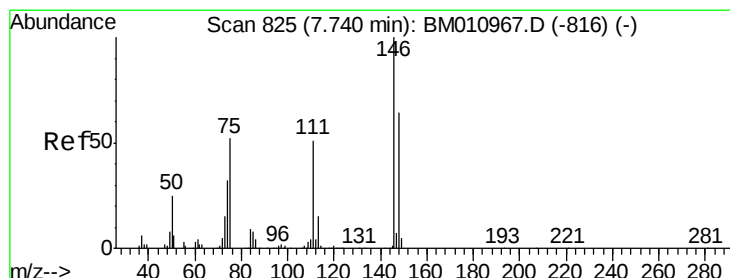
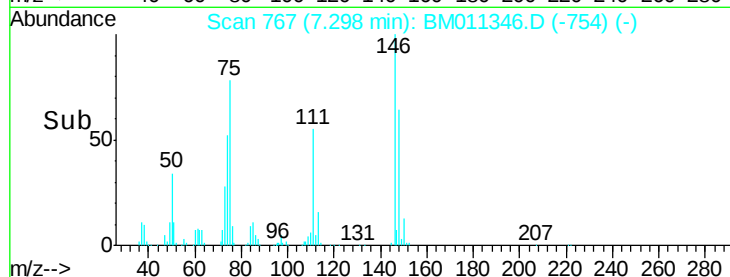
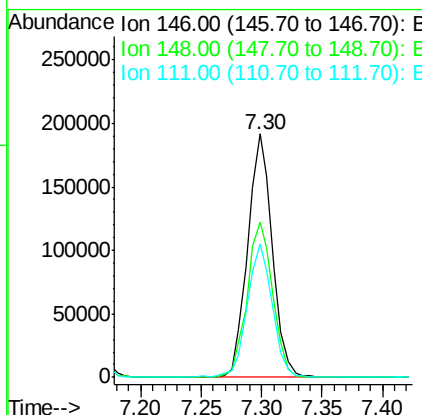
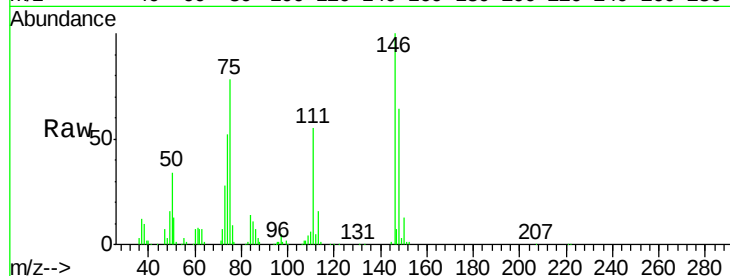




#13  
 1,4-Dichlorobenzene  
 Concen: 39.81 ng  
 RT: 7.30 min Scan# 767  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

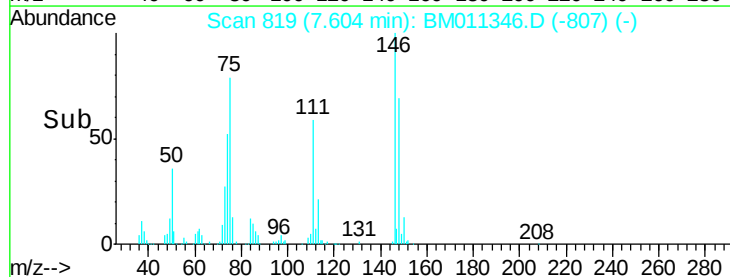
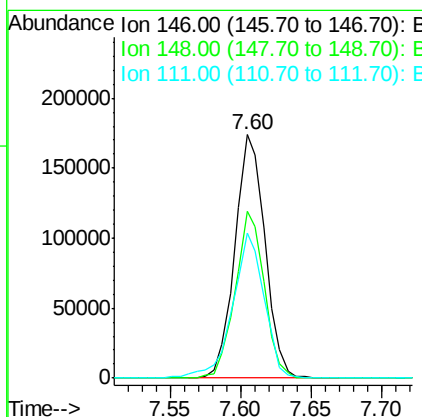
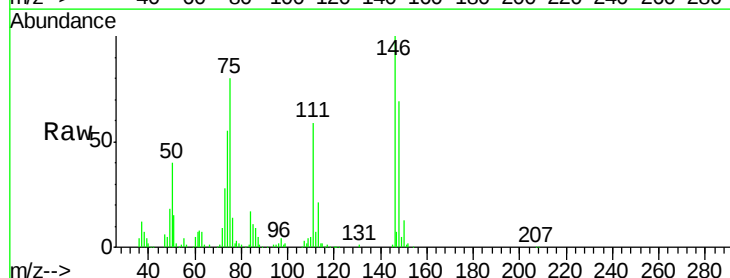
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

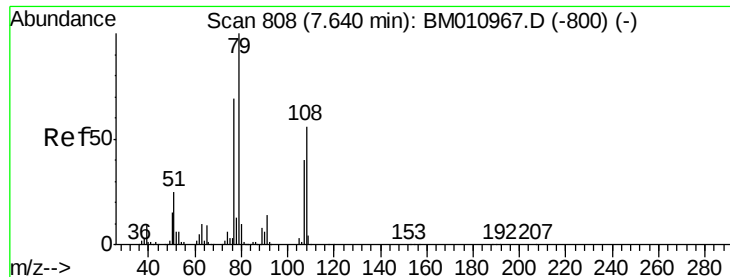
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 51.9  | 77.9  |
| 111     | 54.9  | 29.2  | 43.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 39.61 ng  
 RT: 7.60 min Scan# 819  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 68.6  | 52.3  | 78.5  |
| 111     | 59.5  | 30.6  | 45.8  |





#15

Benzyl Alcohol

Concen: 50.70 ng

RT: 7.52 min Scan# 804

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

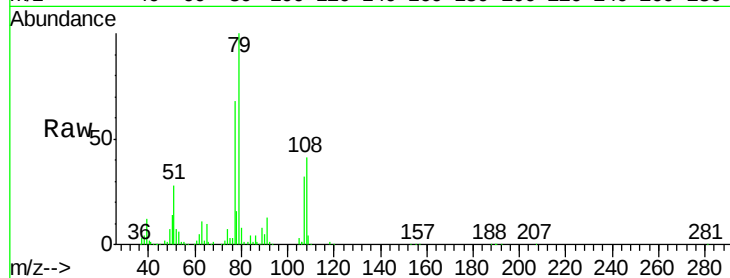
Tot Ion: 79 Resp: 372088

Ion Ratio Lower Upper

79 100

108 40.8 65.0 97.4#

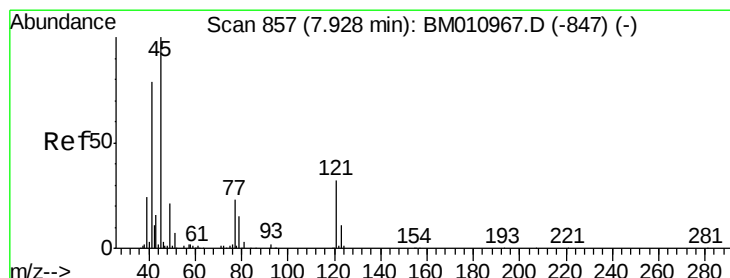
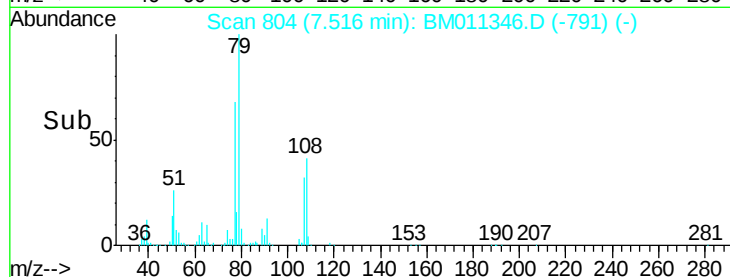
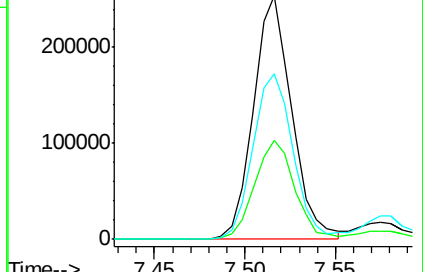
77 68.1 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM011346.D (-839) (-)

Ion 108.00 (107.70 to 108.70): BM011346.D (-839) (-)

Ion 77.00 (76.70 to 77.70): BM011346.D (-839) (-)



#16

2,2'-oxybis(1-chloropropane)

Concen: 53.61 ng

RT: 7.79 min Scan# 851

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

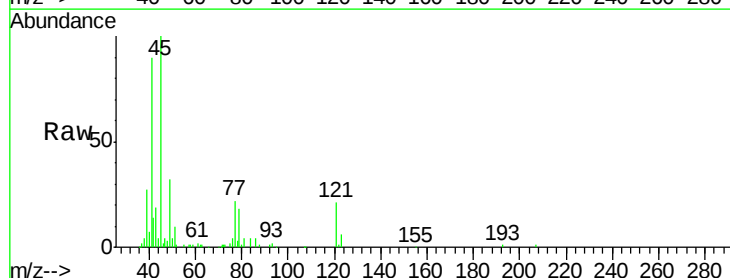
Tgt Ion: 45 Resp: 312305

Ion Ratio Lower Upper

45 100

77 21.8 0.0 35.2

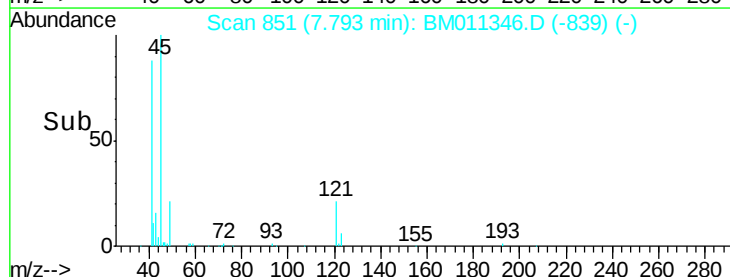
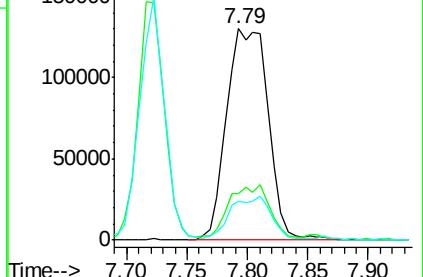
79 18.2 0.0 32.0

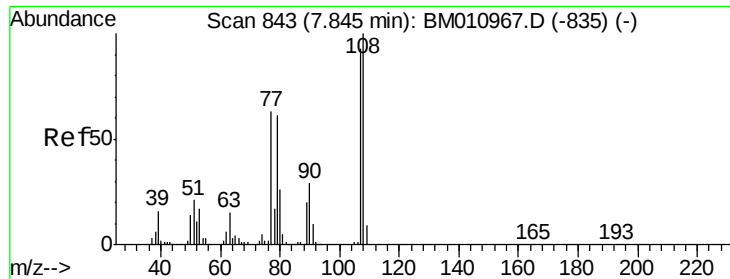


Abundance Ion 45.00 (44.70 to 45.70): BM011346.D (-839) (-)

Ion 77.00 (76.70 to 77.70): BM011346.D (-839) (-)

Ion 79.00 (78.70 to 79.70): BM011346.D (-839) (-)

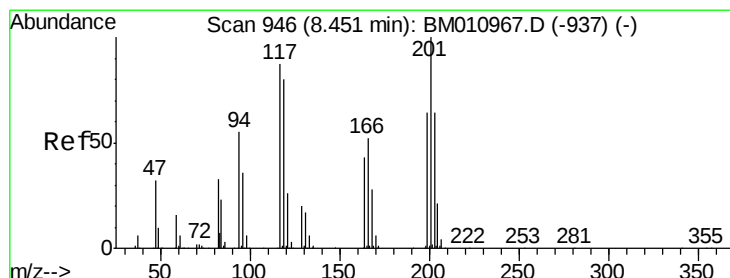
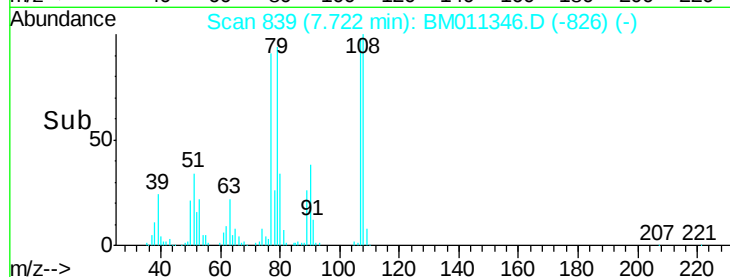
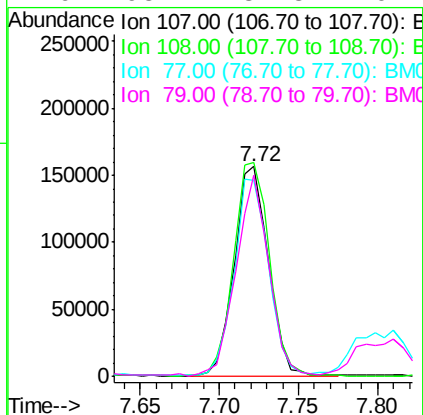
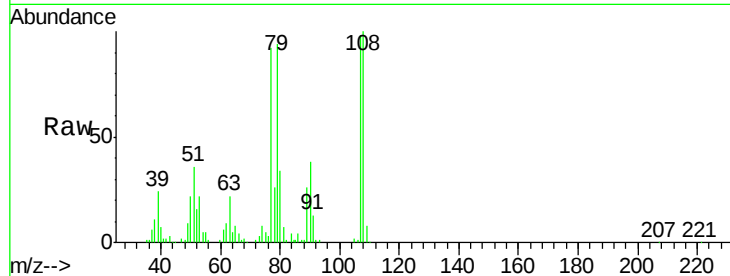




#17  
2-Methylphenol  
Concen: 43.81 ng  
RT: 7.72 min Scan# 839  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

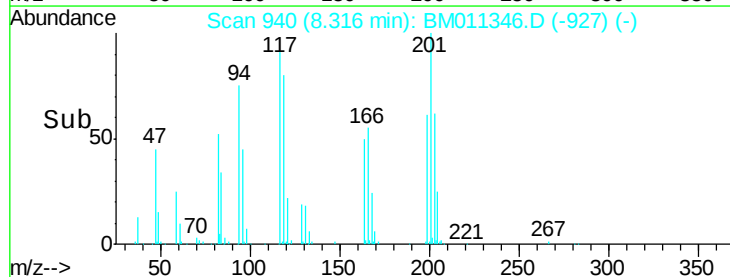
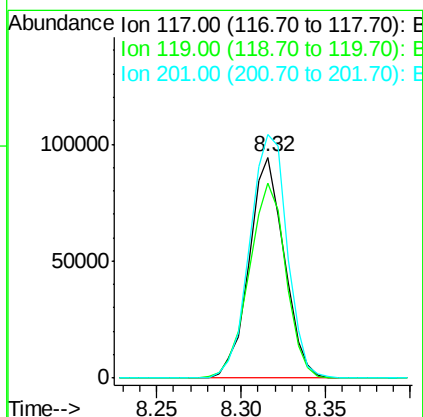
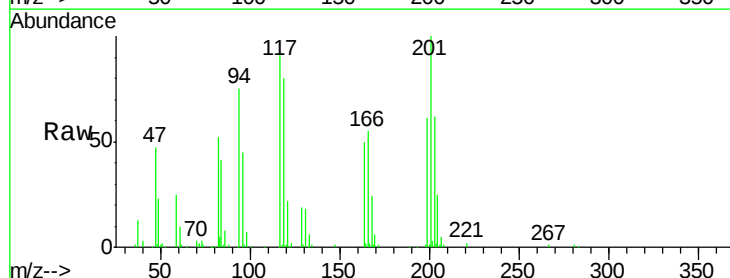
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

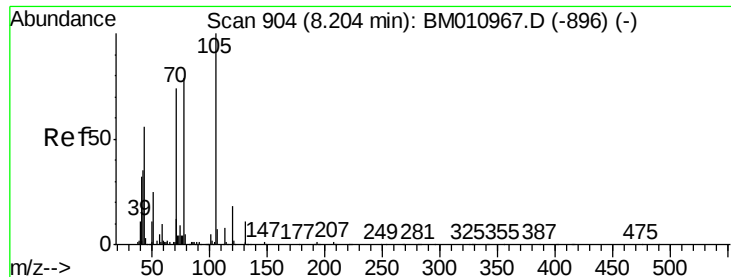
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 101.9 | 89.8  | 134.8 |
| 77      | 93.3  | 32.6  | 48.8# |
| 79      | 95.7  | 32.8  | 49.2# |



#18  
Hexachloroethane  
Concen: 45.90 ng  
RT: 8.32 min Scan# 940  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 88.2  | 79.2  | 118.8  |
| 201     | 110.3 | 69.8  | 104.6# |

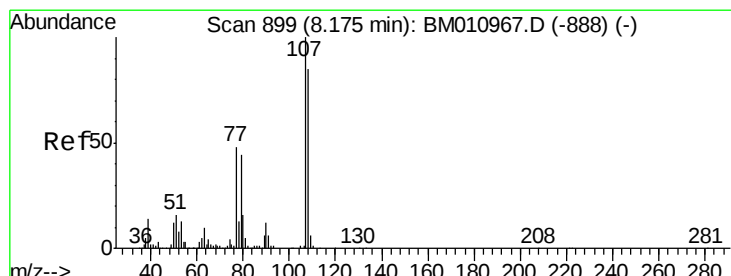
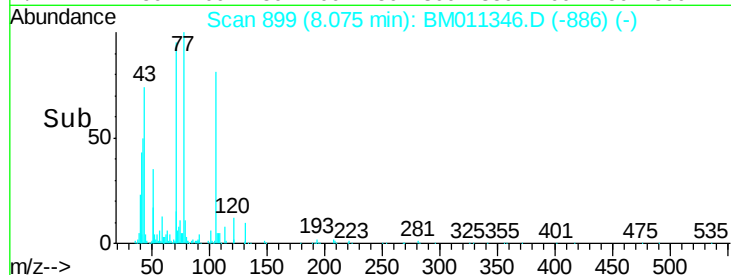
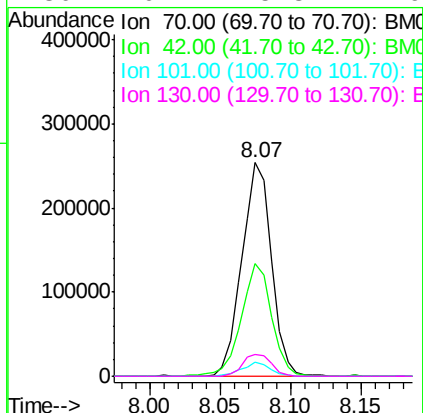
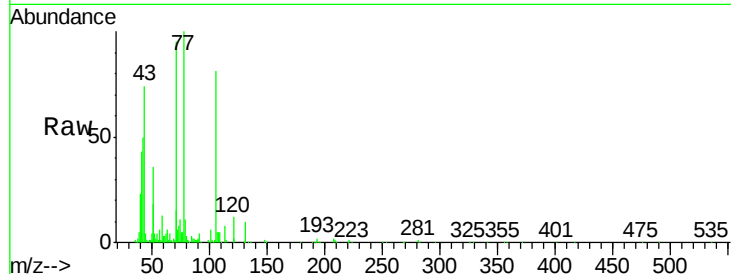




#19  
n-Nitroso-di-n-propylamine  
Concen: 57.33 ng  
RT: 8.07 min Scan# 899  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

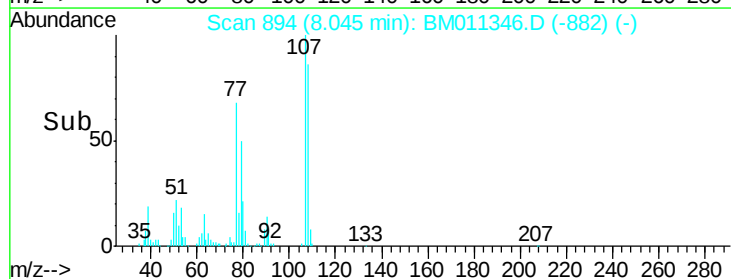
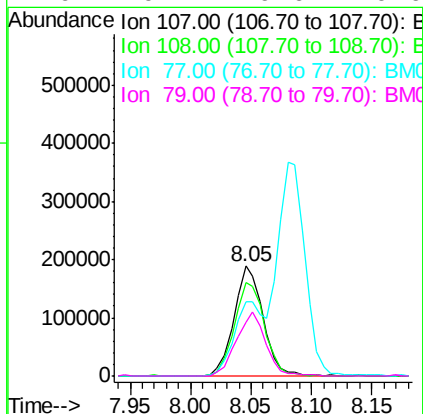
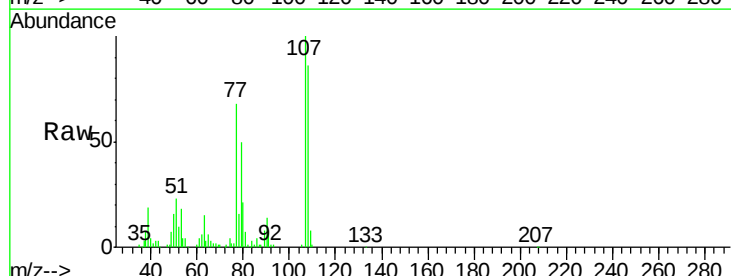
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

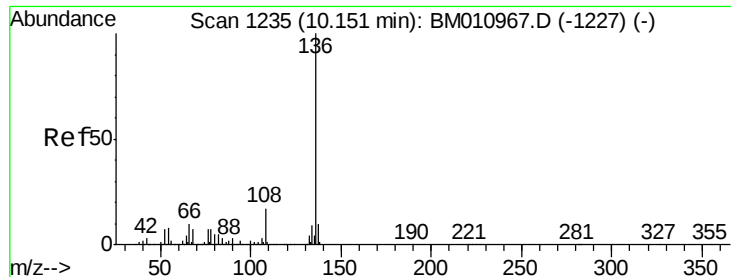
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 372653 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 53.0  | 44.5  | 66.7   |
| 101      | 6.5   | 7.4   | 11.2#  |
| 130      | 10.1  | 15.3  | 22.9#  |



#20  
3+4-Methylphenols  
Concen: 42.98 ng  
RT: 8.05 min Scan# 894  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 317259 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.8  | 73.2  | 113.2  |
| 77       | 67.7  | 10.7  | 50.7#  |
| 79       | 49.7  | 9.6   | 49.6#  |

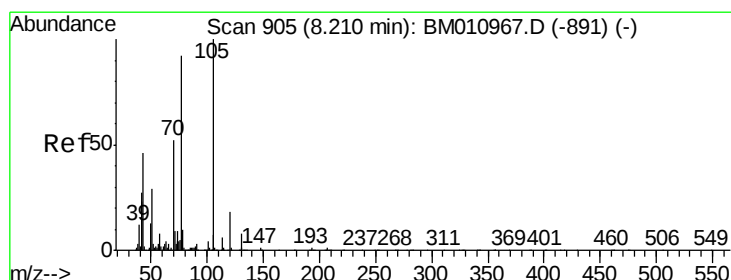
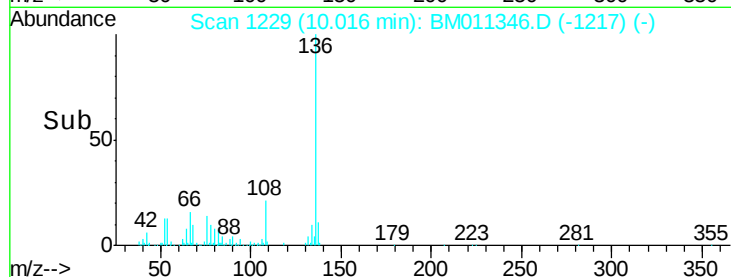
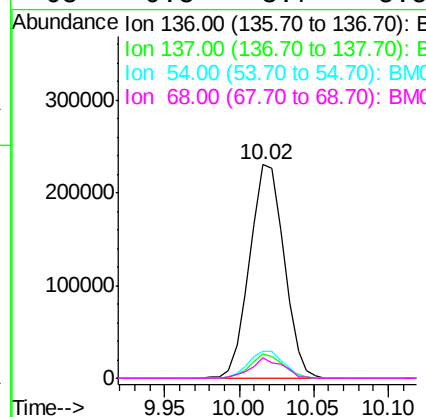
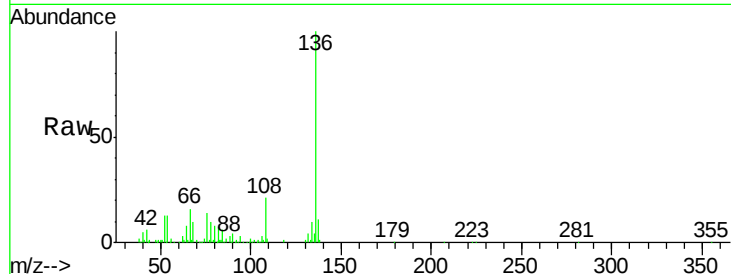




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.02 min Scan# 1229  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

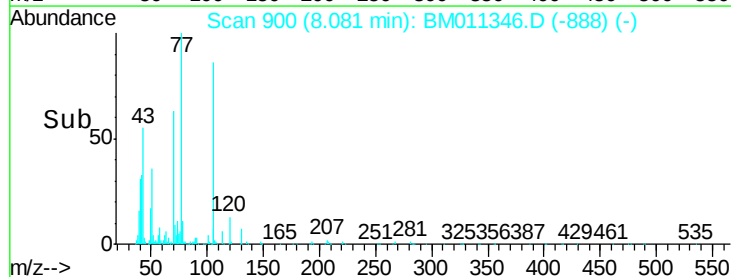
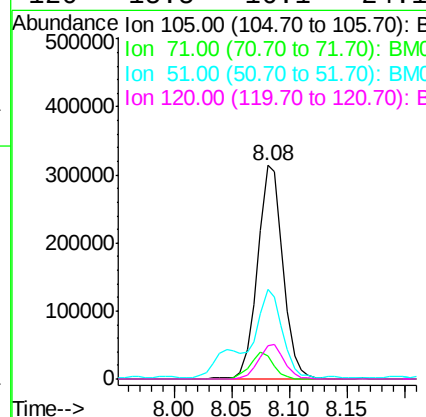
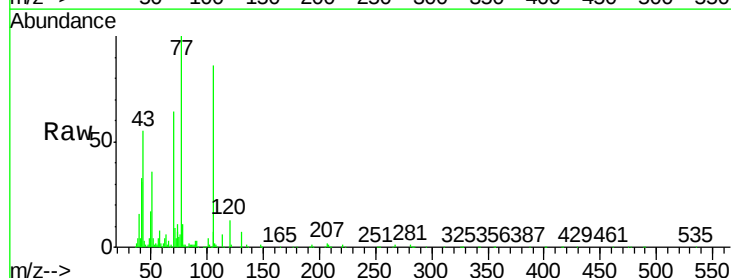
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

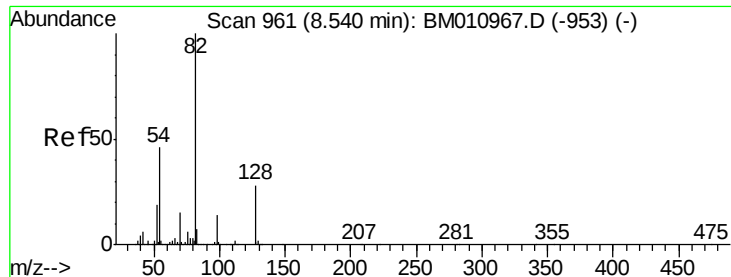
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 367378 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.2    | 8.7   | 13.1   |
| 54 12.9     | 4.6   | 6.8#   |
| 68 9.8      | 3.7   | 5.5#   |



#22  
Acetophenone  
Concen: 43.77 ng  
RT: 8.08 min Scan# 900  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 481961 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 11.0    | 0.6   | 1.0#   |
| 51  | 42.1    | 21.6  | 32.4#  |
| 120 | 15.5    | 16.1  | 24.1#  |

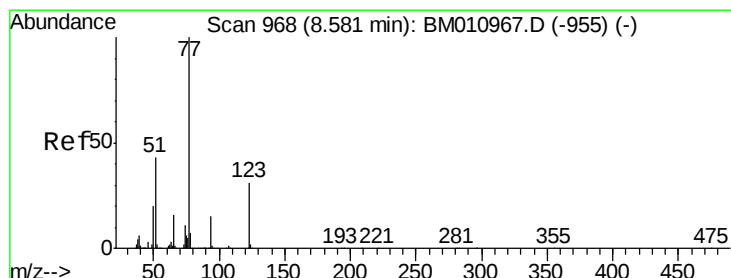
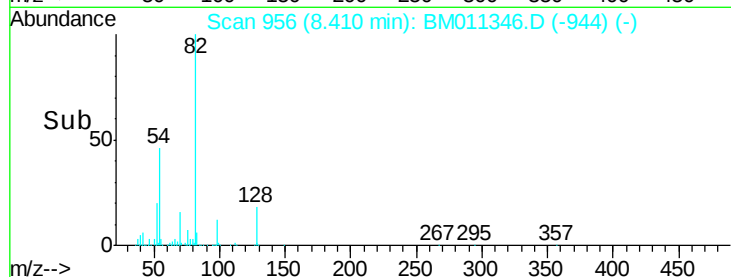
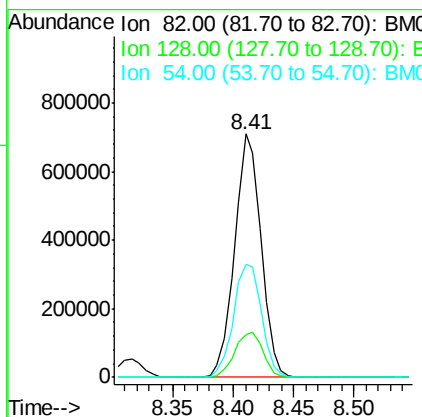
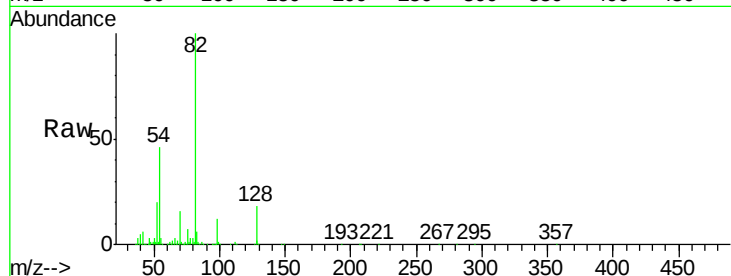




#23  
 Nitrobenzene-d5  
 Concen: 110.82 ng  
 RT: 8.41 min Scan# 956  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

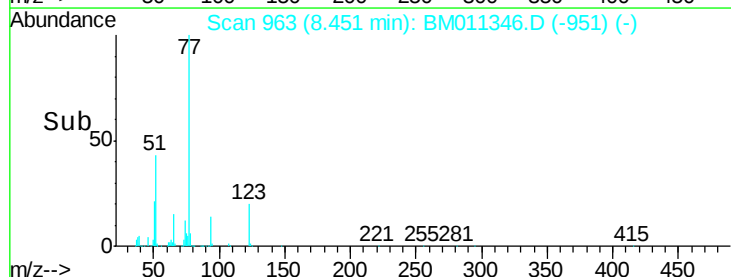
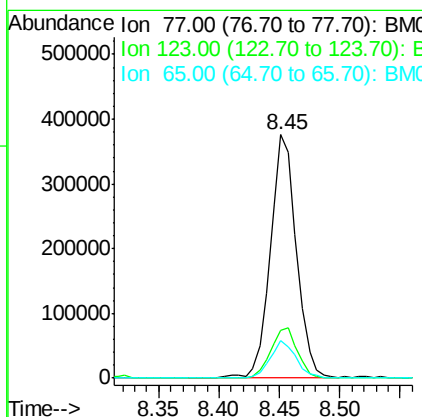
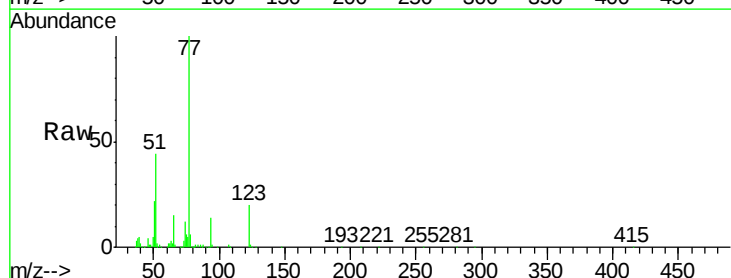
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

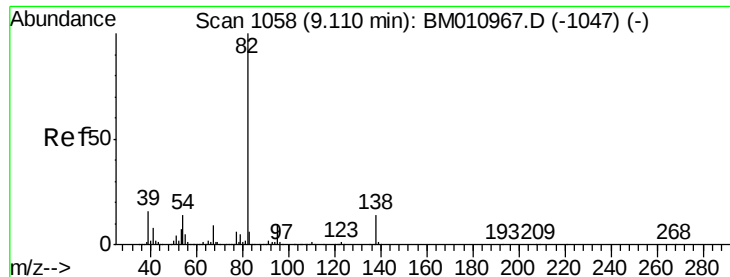
Tot Ion: 82 Resp: 1084716  
 Ion Ratio Lower Upper  
 82 100  
 128 17.6 32.8 49.2#  
 54 46.2 40.6 60.8



#24  
 Nitrobenzene  
 Concen: 55.71 ng  
 RT: 8.45 min Scan# 963  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

Tgt Ion: 77 Resp: 565043  
 Ion Ratio Lower Upper  
 77 100  
 123 19.8 32.6 49.0#  
 65 15.4 10.9 16.3





#25

Isophorone

Concen: 52.15 ng

RT: 8.97 min Scan# 1052

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

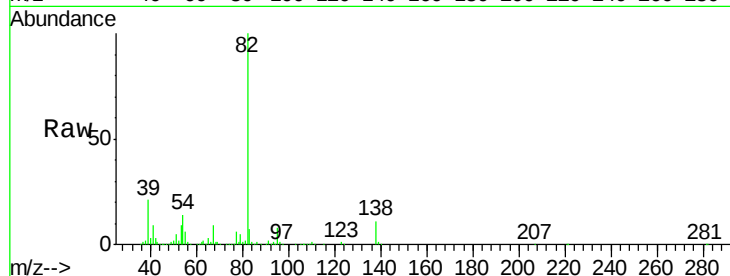
Tot Ion: 82 Resp: 851181

Ion Ratio Lower Upper

82 100

95 8.5 5.8 8.6

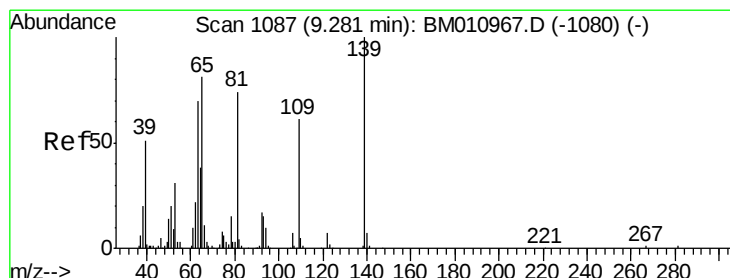
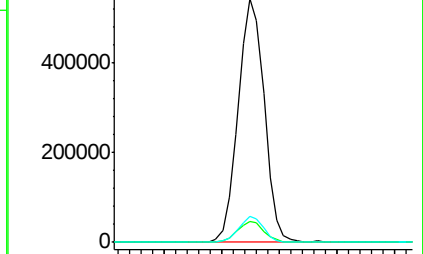
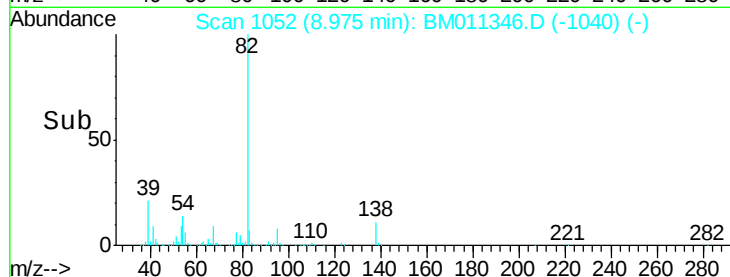
138 10.5 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BM011346.D (-1040) (-)

Ion 95.00 (94.70 to 95.70): BM011346.D (-1040) (-)

Ion 138.00 (137.70 to 138.70): BM011346.D (-1040) (-)



#26

2-Nitrophenol

Concen: 41.19 ng

RT: 9.15 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

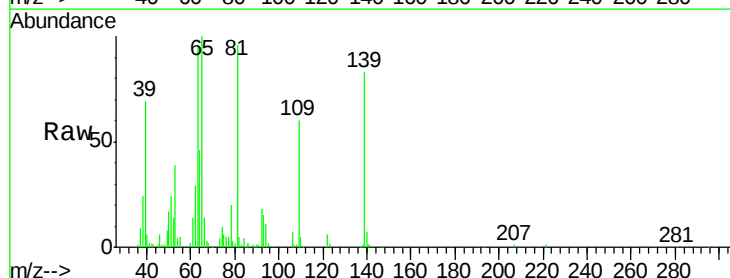
Tgt Ion: 139 Resp: 132931

Ion Ratio Lower Upper

139 100

109 71.7 20.1 30.1#

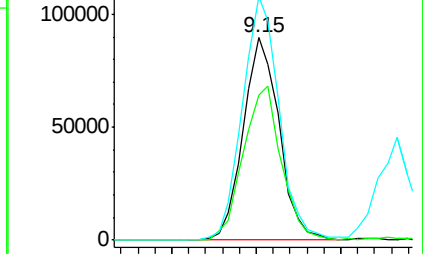
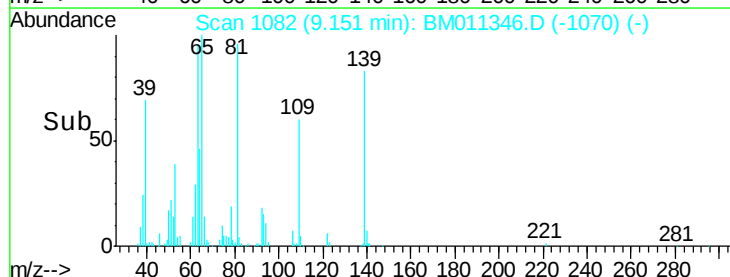
65 120.3 31.5 47.3#

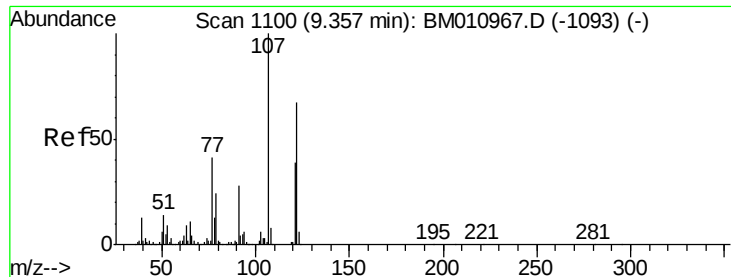


Abundance Ion 139.00 (138.70 to 139.70): BM011346.D (-1070) (-)

Ion 109.00 (108.70 to 109.70): BM011346.D (-1070) (-)

Ion 65.00 (64.70 to 65.70): BM011346.D (-1070) (-)

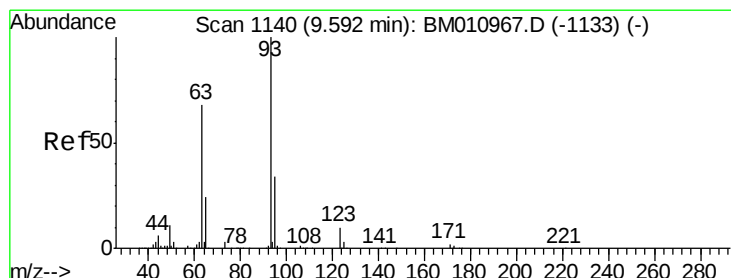
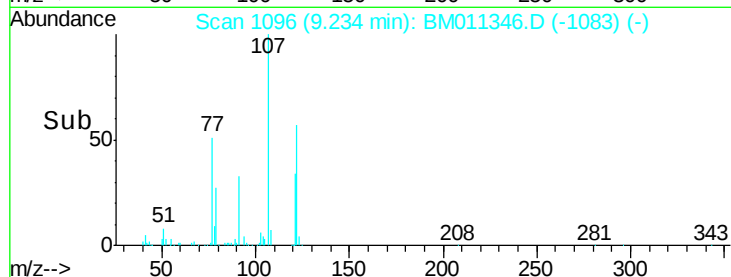
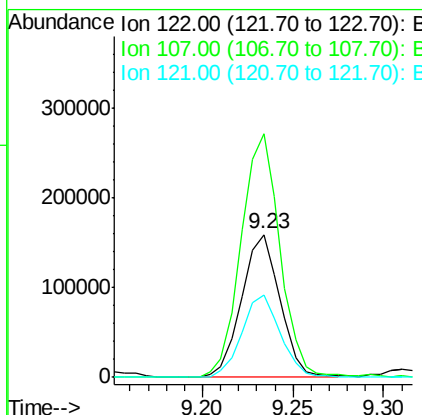
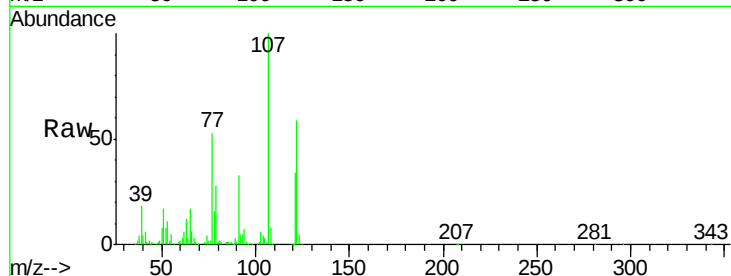




#27  
 2,4-Dimethylphenol  
 Concen: 41.24 ng  
 RT: 9.23 min Scan# 1096  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

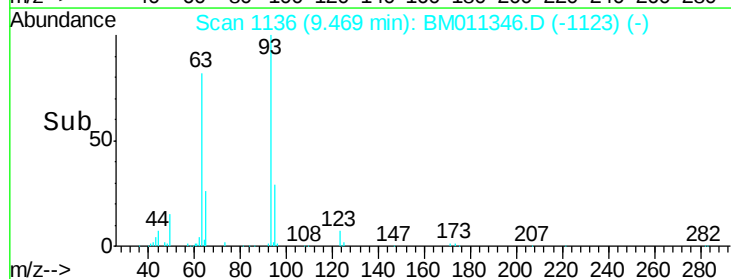
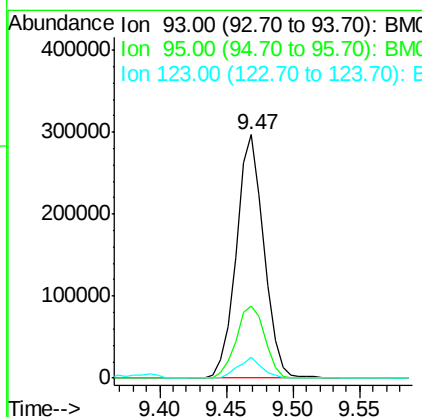
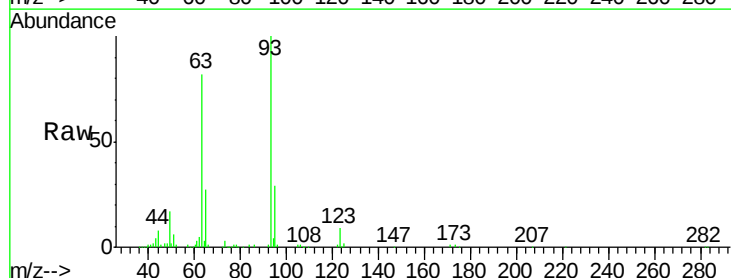
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

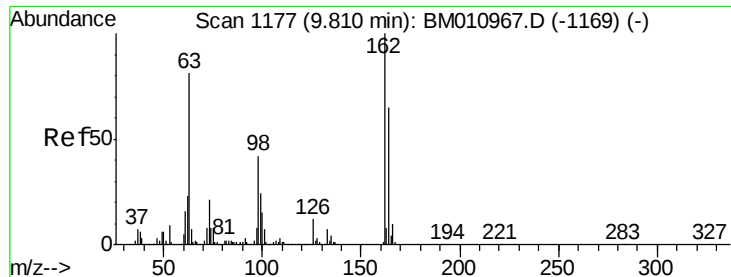
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 170.6 | 84.7  | 127.1# |
| 121     | 58.1  | 46.6  | 69.8   |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.60 ng  
 RT: 9.47 min Scan# 1136  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 29.4  | 25.5  | 38.3  |
| 123     | 8.6   | 8.6   | 13.0# |

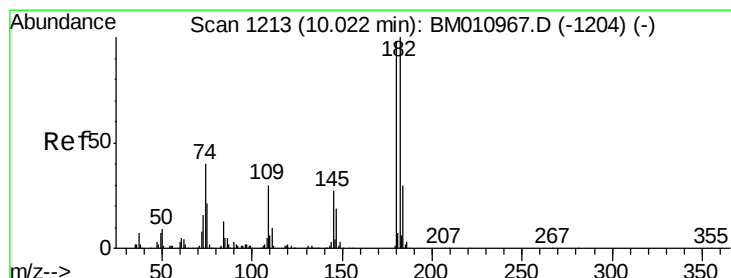
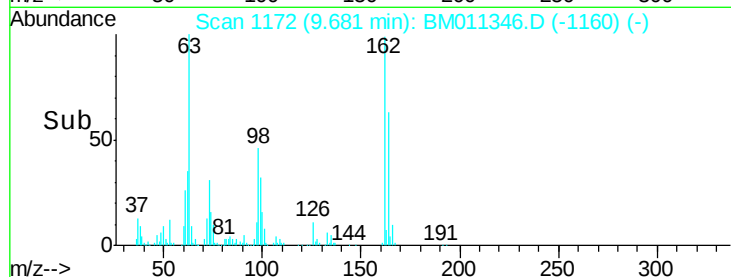
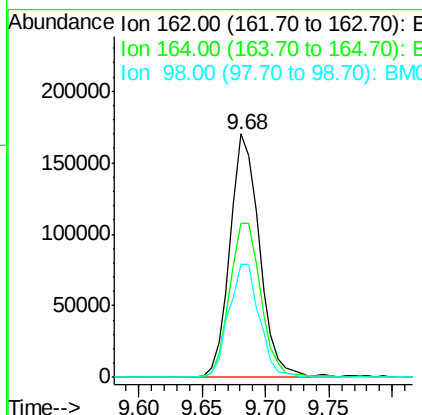
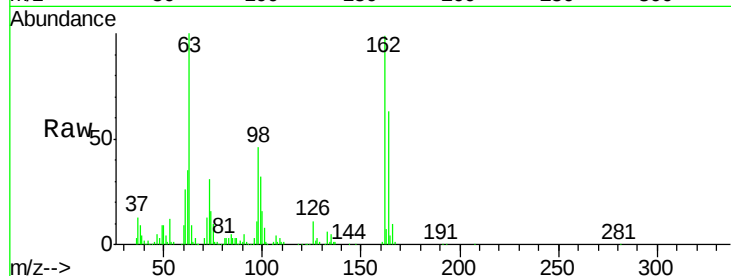




#29  
 2,4-Dichlorophenol  
 Concen: 42.87 ng  
 RT: 9.68 min Scan# 1172  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

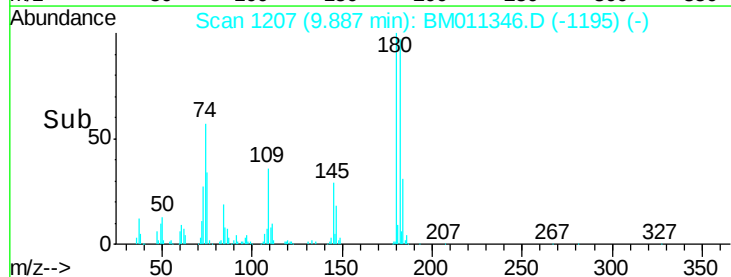
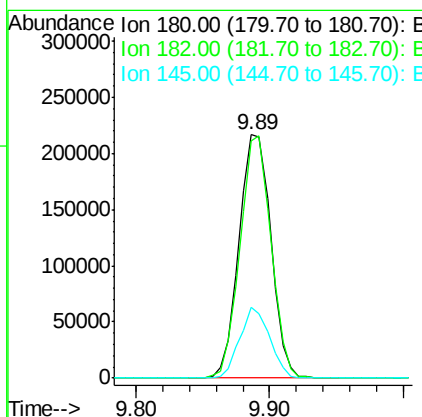
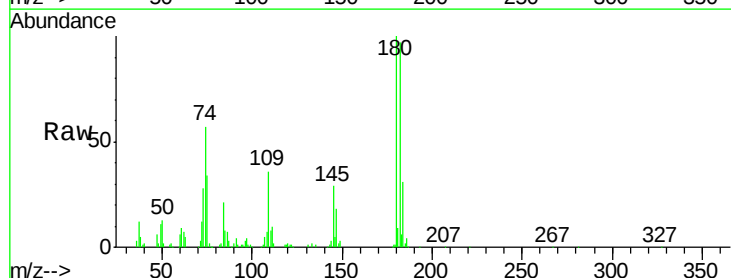
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

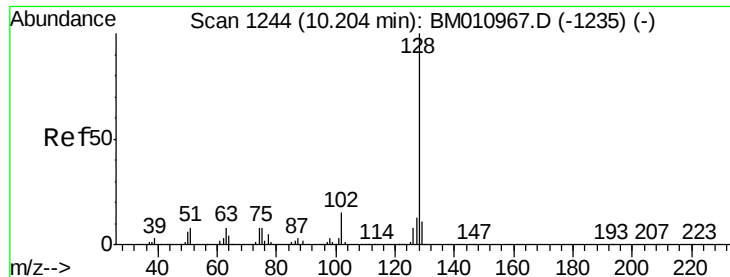
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.2  | 42.8  | 82.8  |
| 98      | 46.7  | 14.5  | 54.5  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.45 ng  
 RT: 9.89 min Scan# 1207  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.4  | 77.6  | 116.4 |
| 145     | 29.3  | 23.4  | 35.2  |

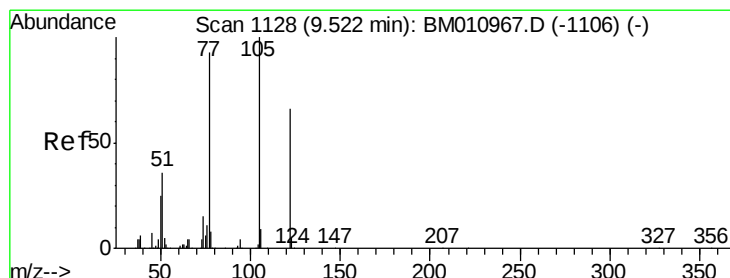
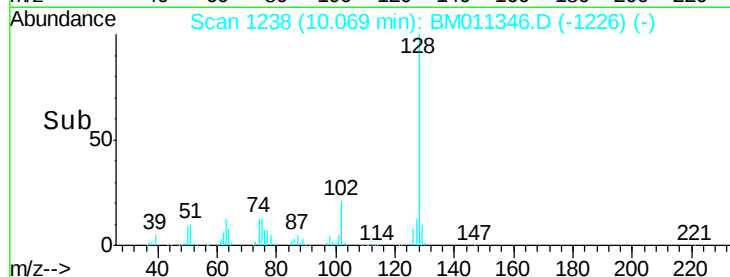
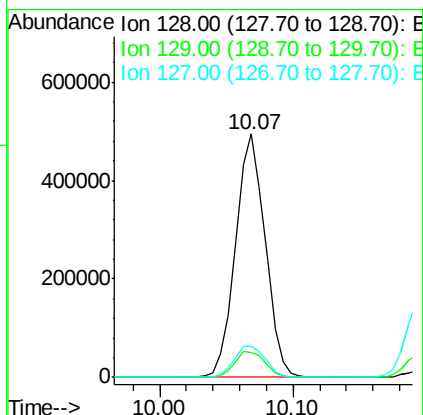
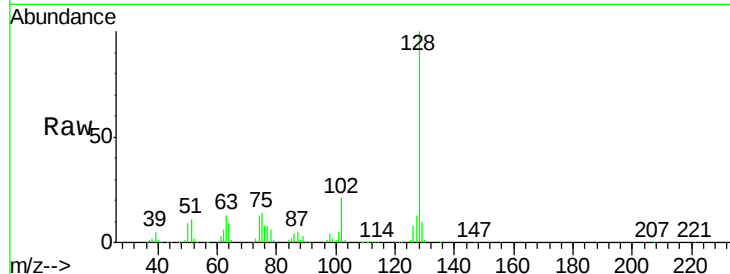




#31  
Naphthalene  
Concen: 41.20 ng  
RT: 10.07 min Scan# 1238  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

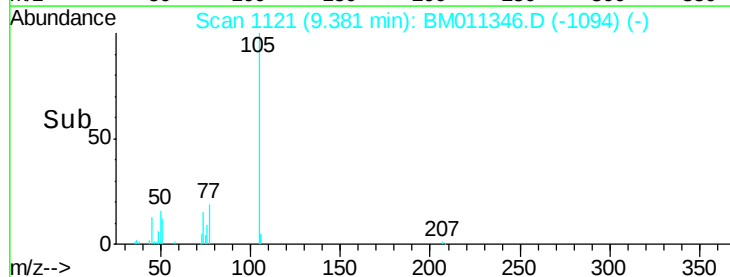
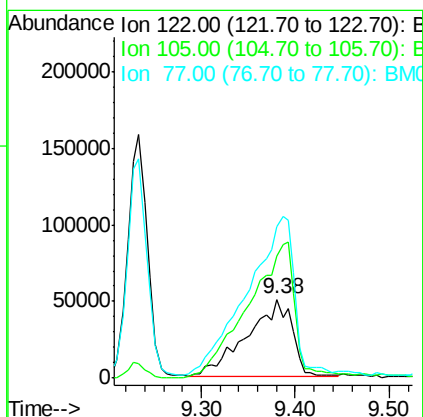
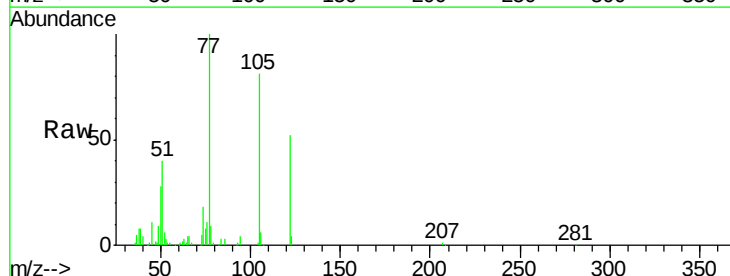
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

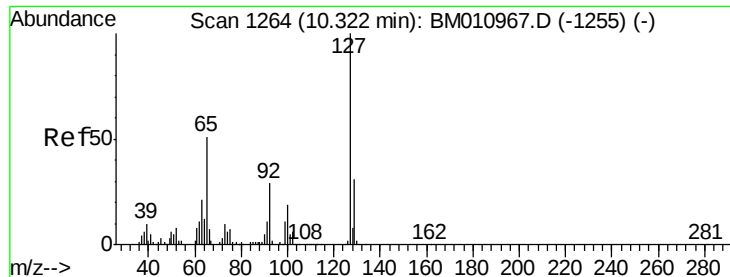
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.1  | 8.9   | 13.3  |
| 127     | 13.1  | 10.4  | 15.6  |



#32  
Benzoic acid  
Concen: 37.15 ng  
RT: 9.38 min Scan# 1121  
Delta R.T. -0.04 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 153.7 | 99.9  | 139.9# |
| 77      | 190.7 | 73.7  | 113.7# |

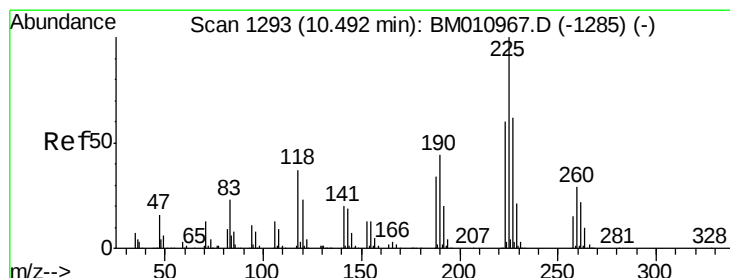
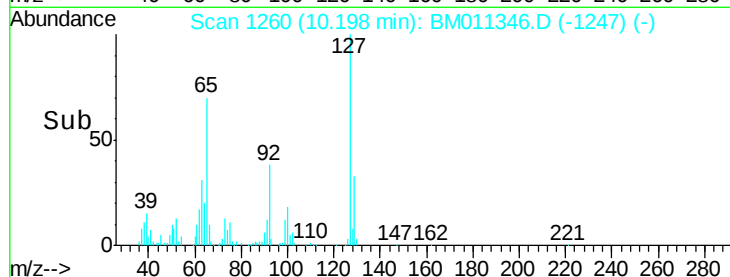
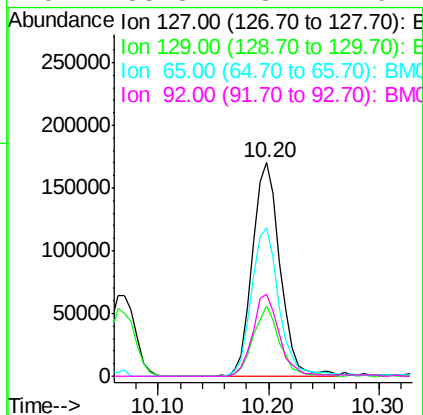
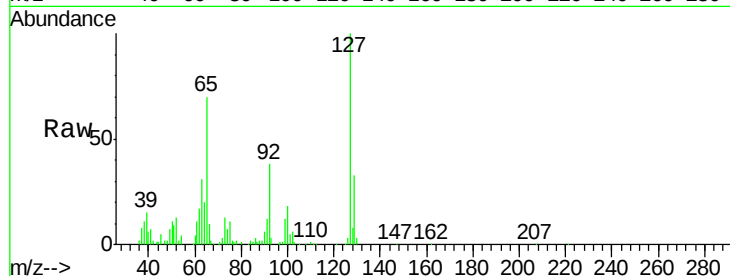




#33  
4-Chloroaniline  
Concen: 40.83 ng  
RT: 10.20 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

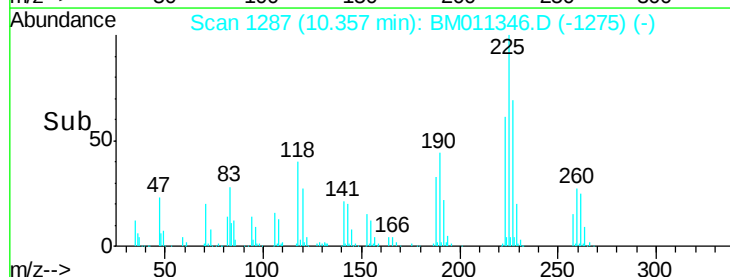
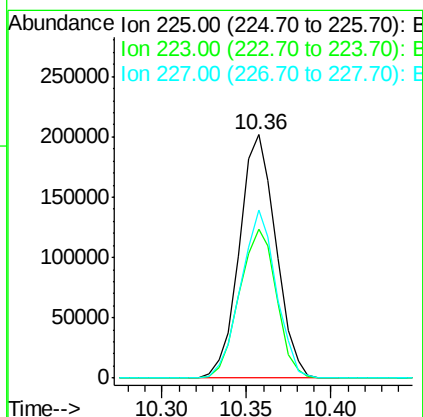
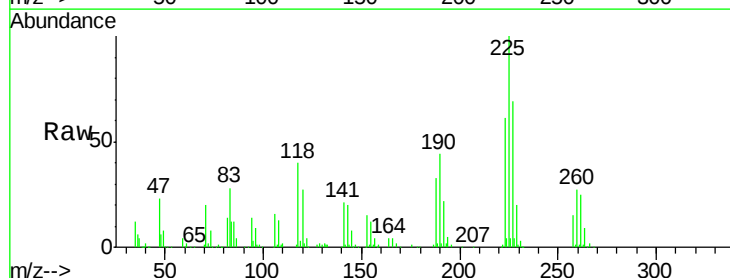
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

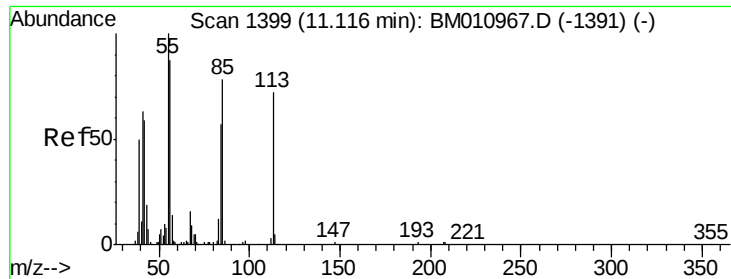
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 301016 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 25.3  | 37.9   |
| 65       | 69.6  | 17.6  | 26.4#  |
| 92       | 38.3  | 13.1  | 19.7#  |



#34  
Hexachlorobutadiene  
Concen: 48.89 ng  
RT: 10.36 min Scan# 1287  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 303949 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.3  | 47.9  | 71.9   |
| 227      | 69.0  | 50.1  | 75.1   |

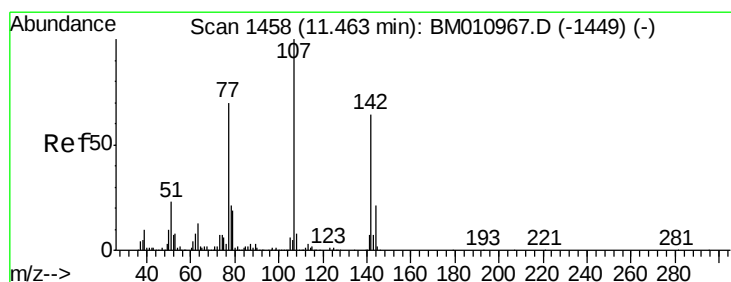
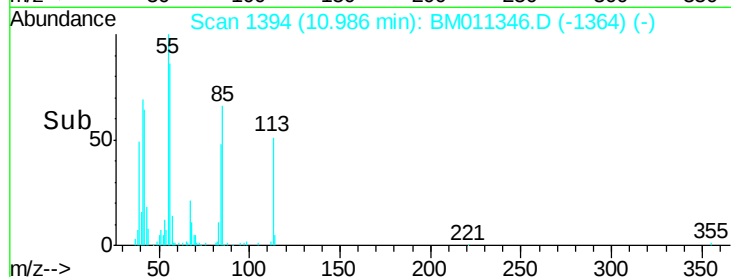
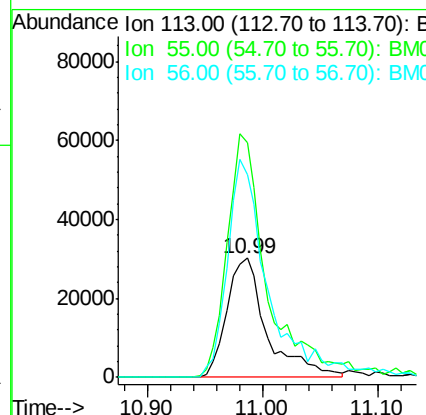
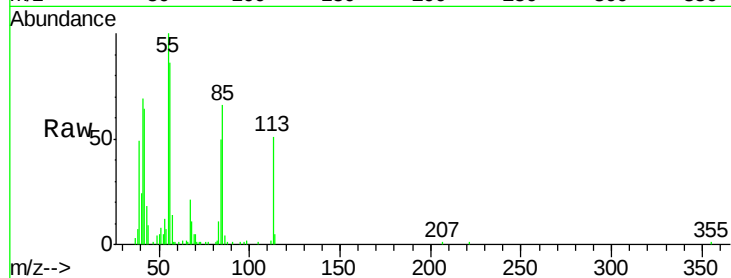




#35  
Caprolactam  
Concen: 40.23 ng  
RT: 10.99 min Scan# 1394  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

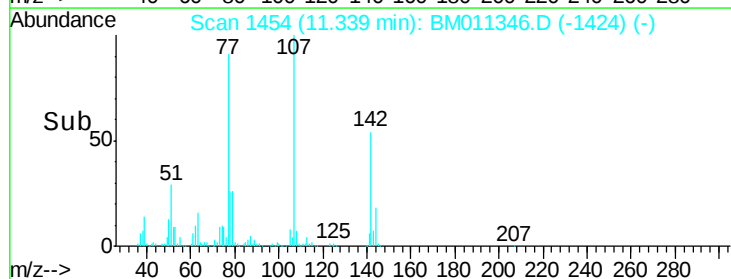
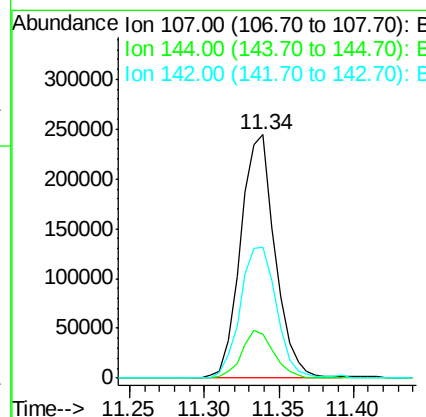
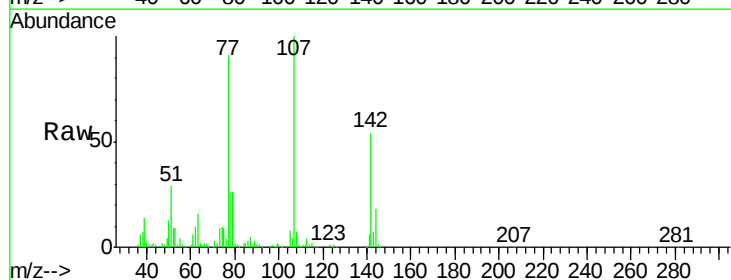
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

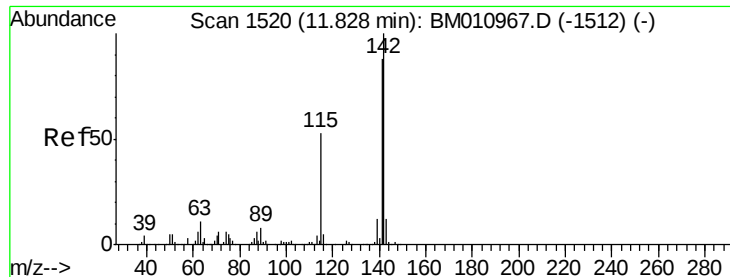
Tot Ion:113 Resp: 72834  
Ion Ratio Lower Upper  
113 100  
55 196.6 145.9 185.9#  
56 169.8 101.0 141.0#



#36  
4-Chloro-3-methylphenol  
Concen: 47.77 ng  
RT: 11.34 min Scan# 1454  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:107 Resp: 393809  
Ion Ratio Lower Upper  
107 100  
144 18.0 23.3 34.9#  
142 54.0 72.6 109.0#

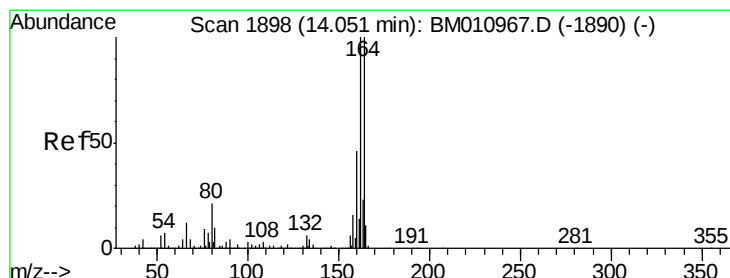
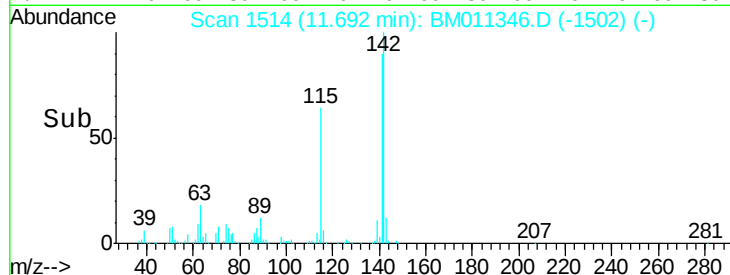
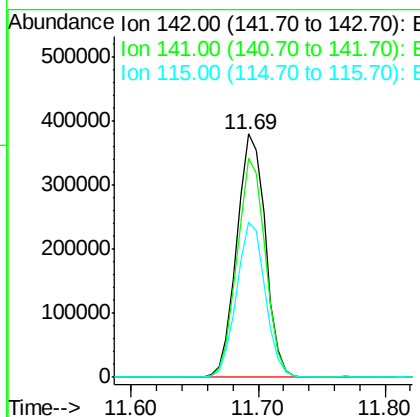
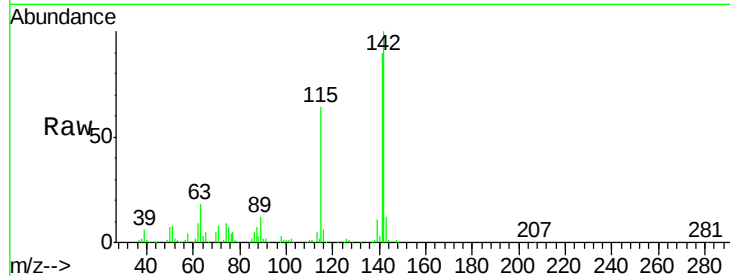




#37  
2-Methylnaphthalene  
Concen: 43.94 ng  
RT: 11.69 min Scan# 1514  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

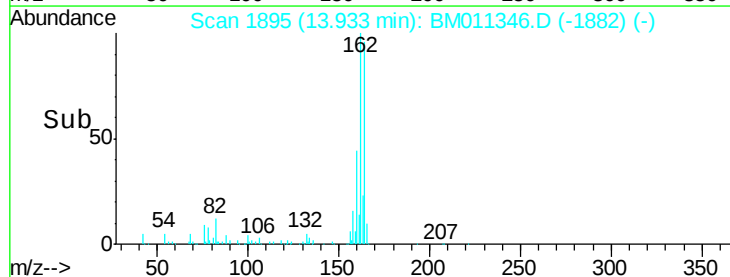
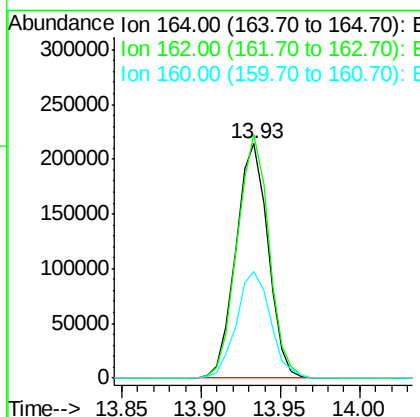
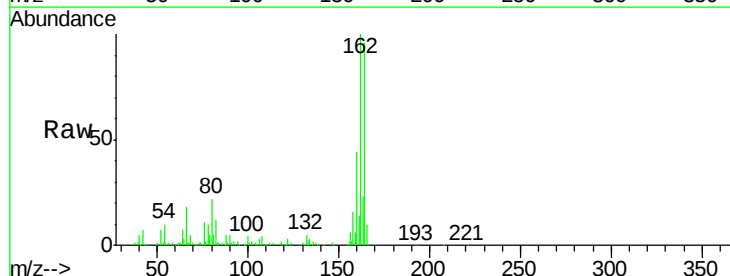
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

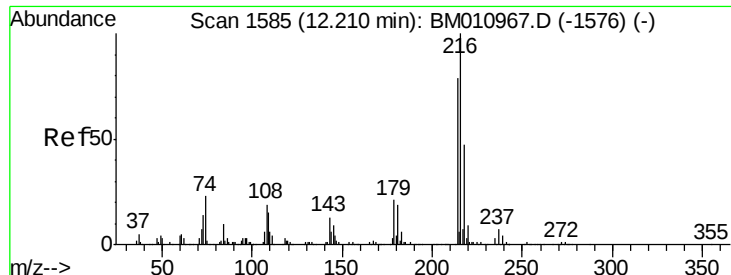
Tot Ion:142 Resp: 596610  
Ion Ratio Lower Upper  
142 100  
141 90.2 71.9 107.9  
115 64.0 25.4 38.0#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 13.93 min Scan# 1895  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:164 Resp: 301334  
Ion Ratio Lower Upper  
164 100  
162 104.0 82.4 123.6  
160 45.7 35.8 53.6

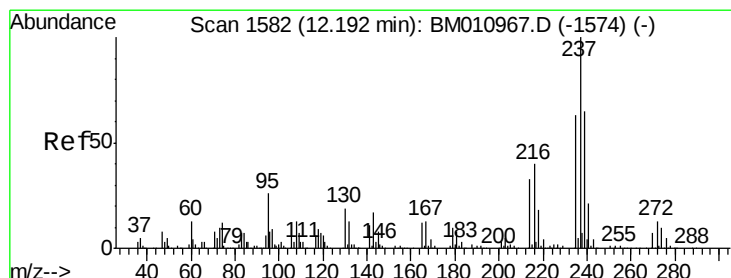
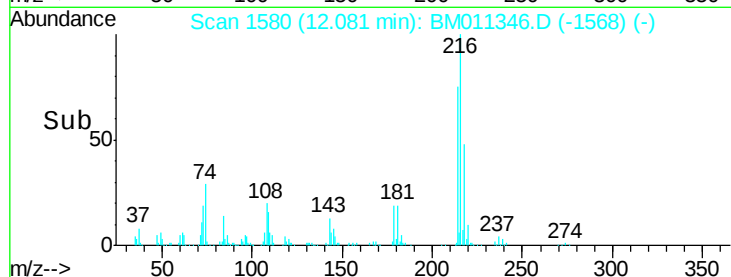
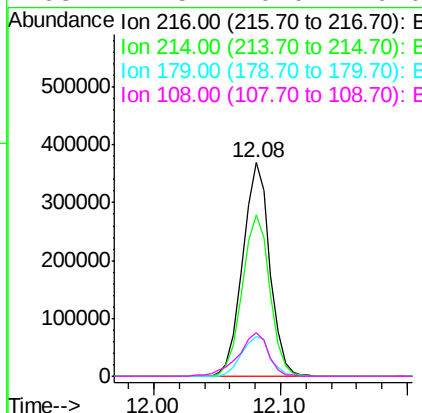
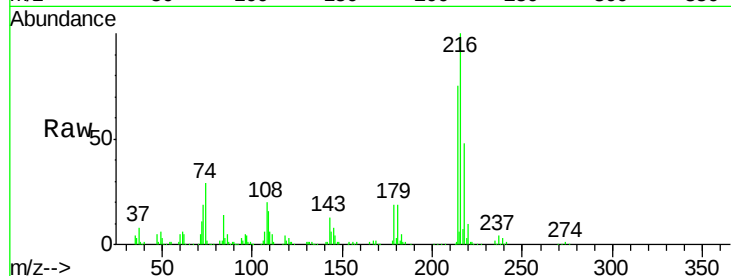




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.22 ng  
 RT: 12.08 min Scan# 1580  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

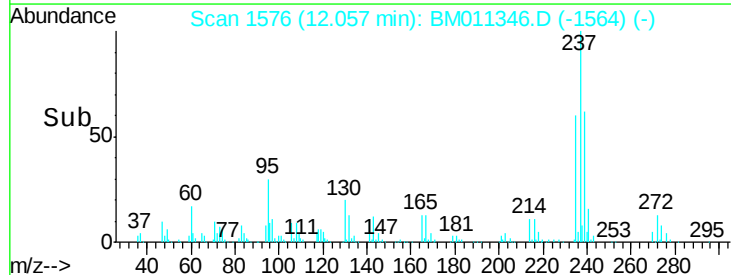
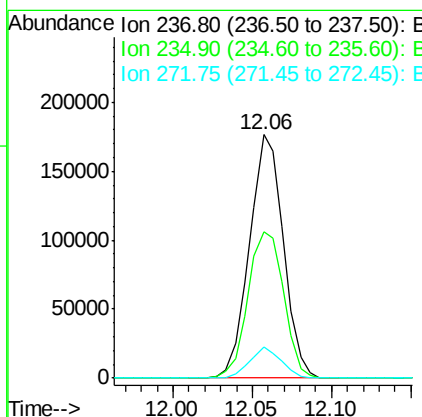
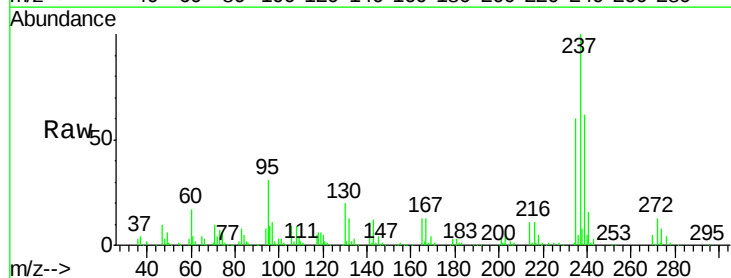
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

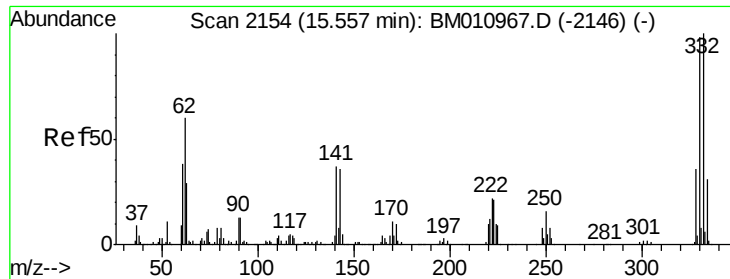
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 546623 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 77.0  | 0.0   | 0.0#   |
| 179      | 19.3  | 0.0   | 0.0#   |
| 108      | 22.5  | 0.0   | 0.0#   |



#40  
 Hexachlorocyclopentadiene  
 Concen: 34.80 ng  
 RT: 12.06 min Scan# 1576  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 262485 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 60.1  | 42.0  | 82.0   |
| 272      | 12.7  | 0.0   | 33.4   |

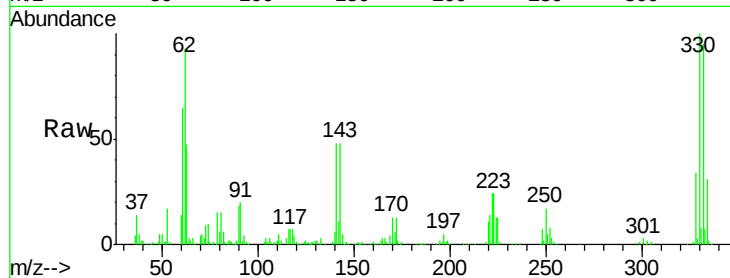




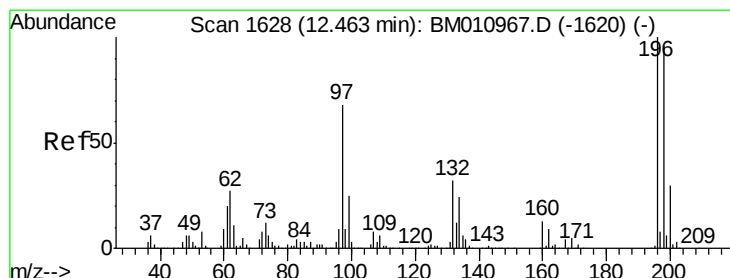
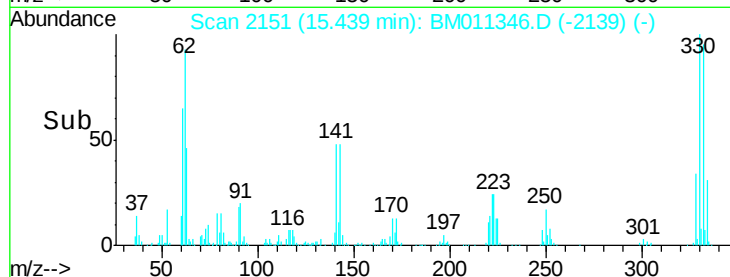
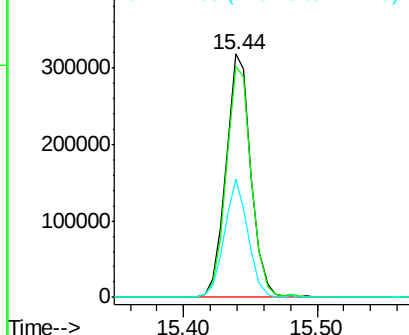
#41  
 2,4,6-Tribromophenol  
 Concen: 86.57 ng  
 RT: 15.44 min Scan# 2151  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 0.0   | 0.0#  |
| 141     | 46.0  | 0.0   | 0.0#  |

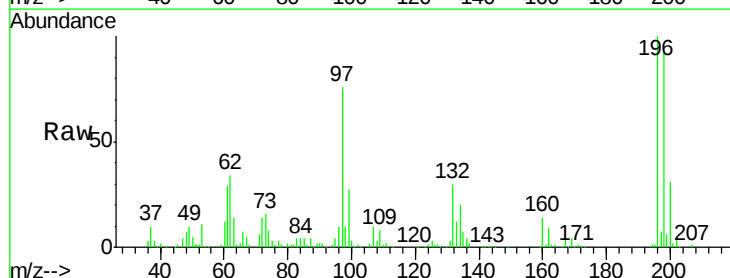


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

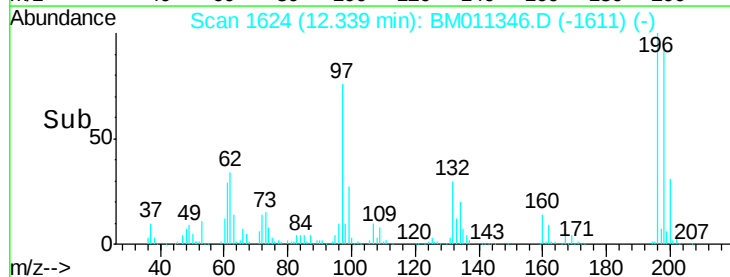
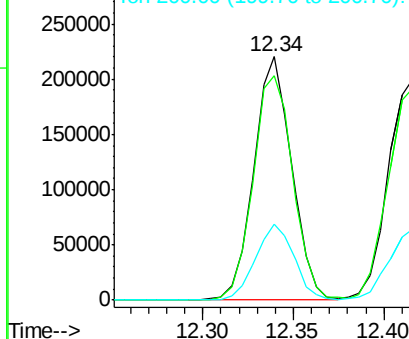


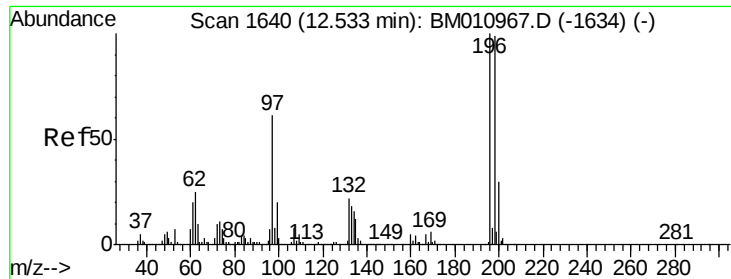
#42  
 2,4,6-Trichlorophenol  
 Concen: 40.76 ng  
 RT: 12.34 min Scan# 1624  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.4  | 76.3  | 114.5 |
| 200     | 31.2  | 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

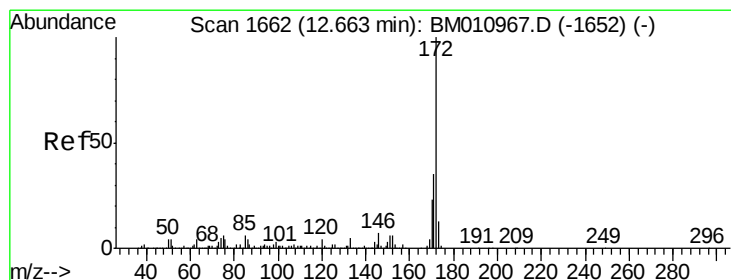
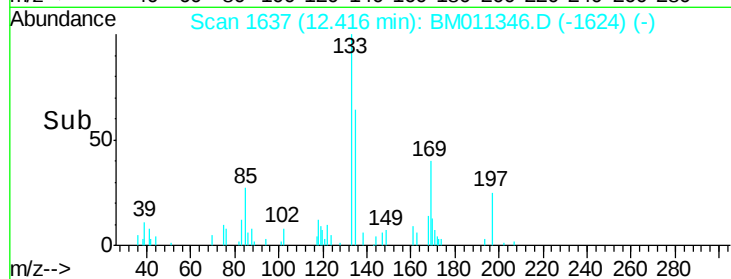
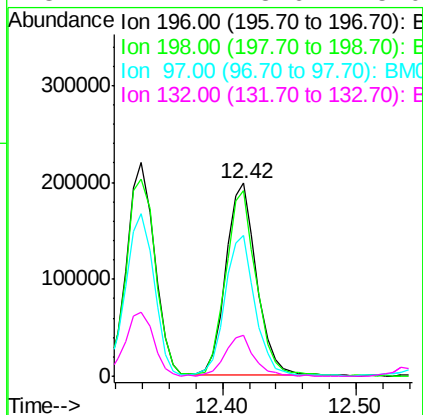
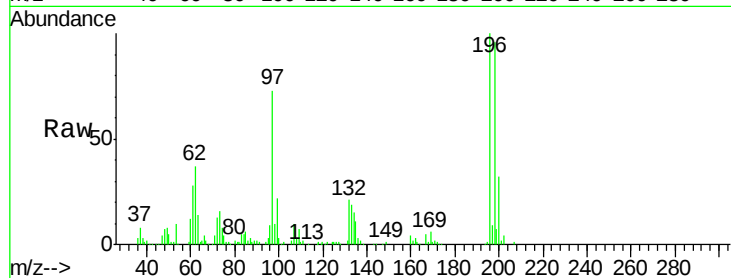




#43  
 2,4,5-Trichlorophenol  
 Concen: 39.55 ng  
 RT: 12.42 min Scan# 1637  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

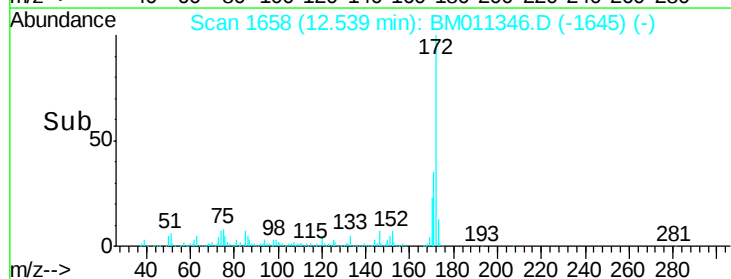
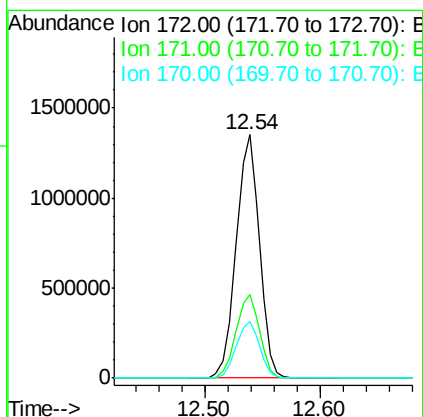
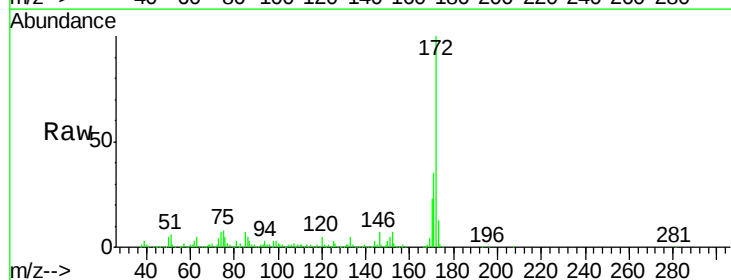
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

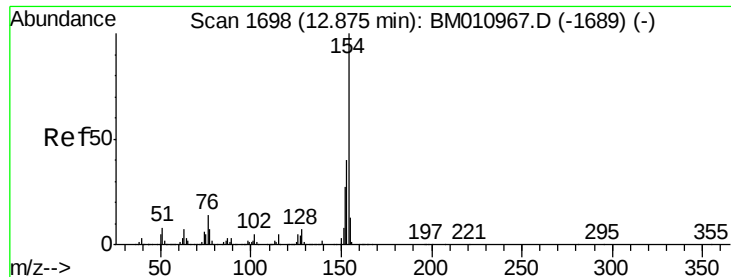
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.0  | 79.4  | 119.0 |
| 97      | 72.7  | 26.8  | 40.2  |
| 132     | 21.2  | 18.6  | 28.0  |



#44  
 2-Fluorobiphenyl  
 Concen: 78.09 ng  
 RT: 12.54 min Scan# 1658  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.5  | 28.5  | 42.7  |
| 170     | 23.5  | 18.8  | 28.2  |





#45

1,1'-Biphenyl

Concen: 37.91 ng

RT: 12.75 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

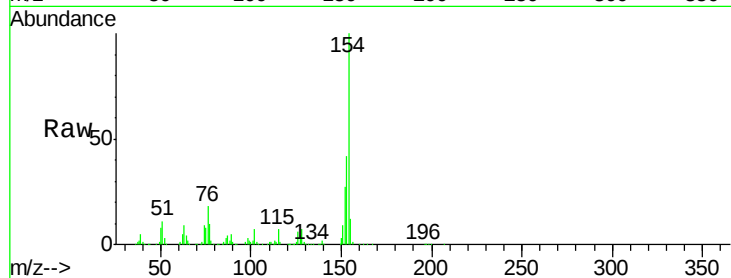
Tot Ion:154 Resp: 987650

Ion Ratio Lower Upper

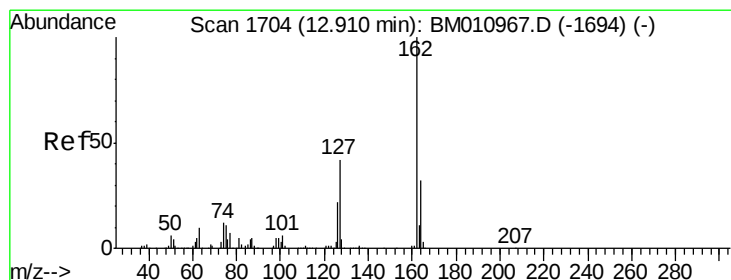
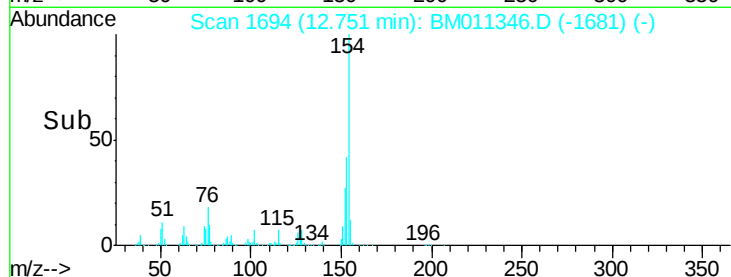
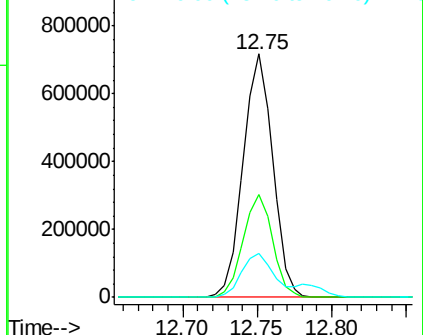
154 100

153 42.1 20.7 60.7

76 18.1 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BM



#46

2-Chloronaphthalene

Concen: 38.85 ng

RT: 12.79 min Scan# 1700

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

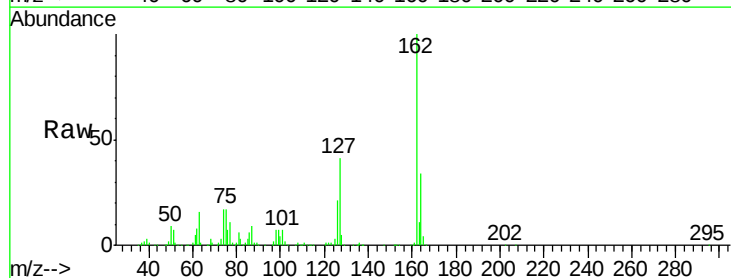
Tgt Ion:162 Resp: 745857

Ion Ratio Lower Upper

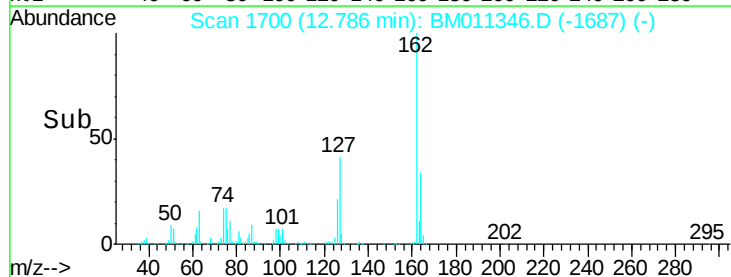
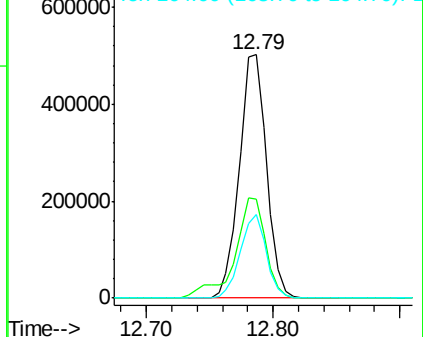
162 100

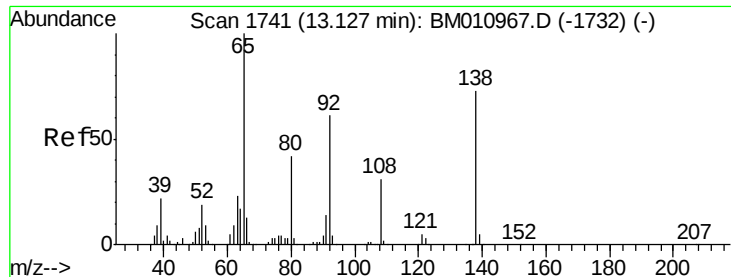
127 40.8 26.9 40.3#

164 34.4 26.8 40.2



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

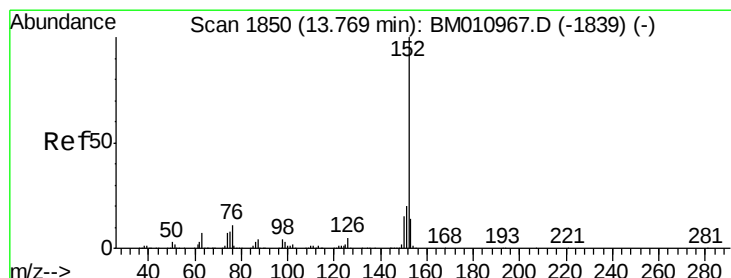
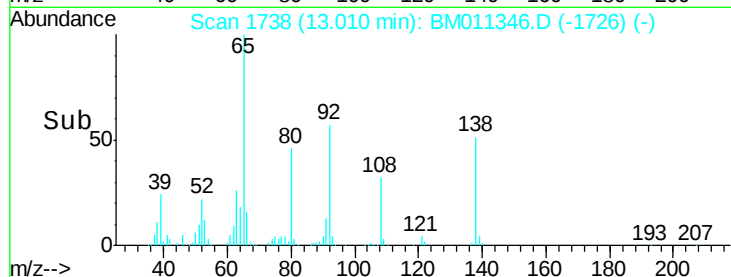
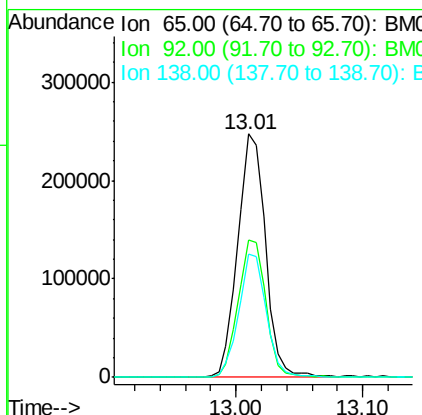
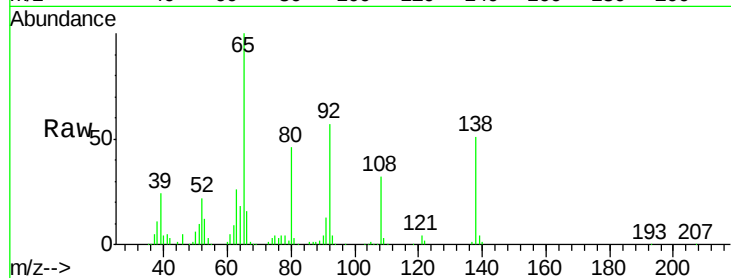




#47  
2-Nitroaniline  
Concen: 55.34 ng  
RT: 13.01 min Scan# 1738  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

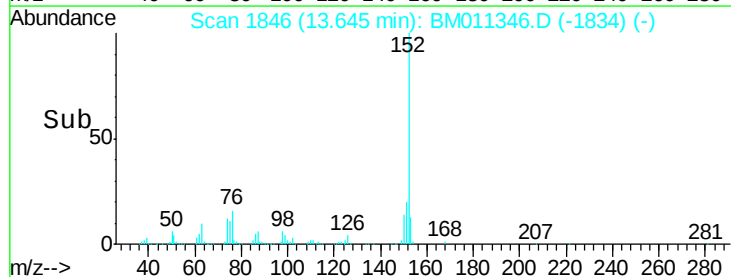
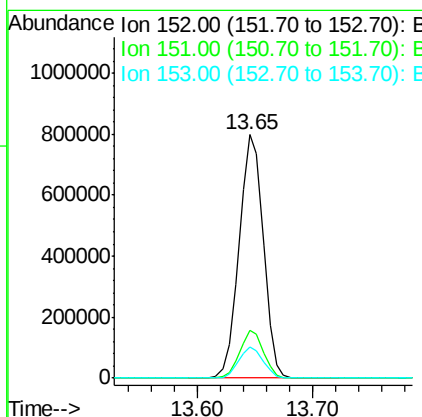
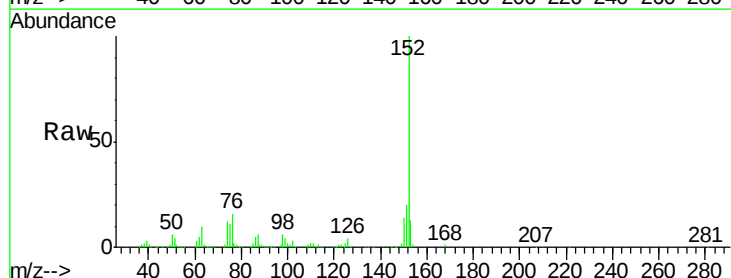
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

Tot Ion: 65 Resp: 375833  
Ion Ratio Lower Upper  
65 100  
92 56.7 59.1 88.7#  
138 50.7 93.9 140.9#



#48  
Acenaphthylene  
Concen: 40.32 ng  
RT: 13.65 min Scan# 1846  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:152 Resp: 1155141  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.9 23.9  
153 12.5 10.6 16.0

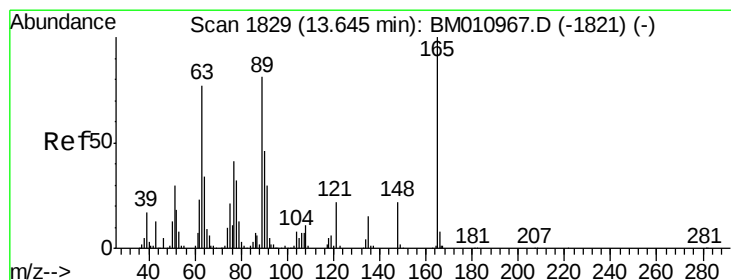
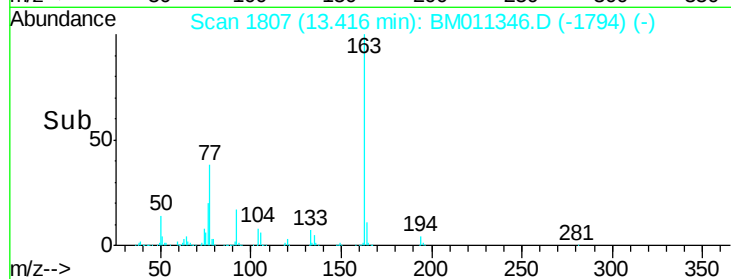
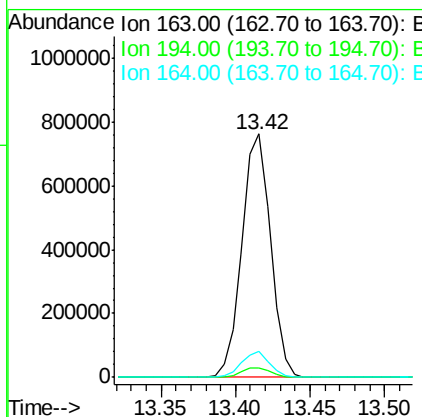
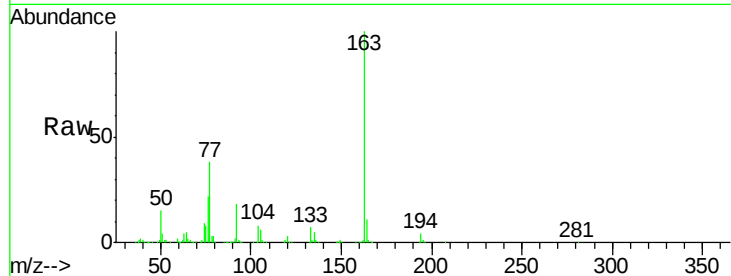




#49  
Dimethylphthalate  
Concen: 39.44 ng  
RT: 13.42 min Scan# 1807  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

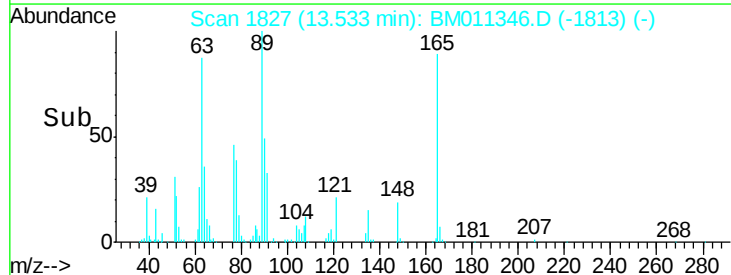
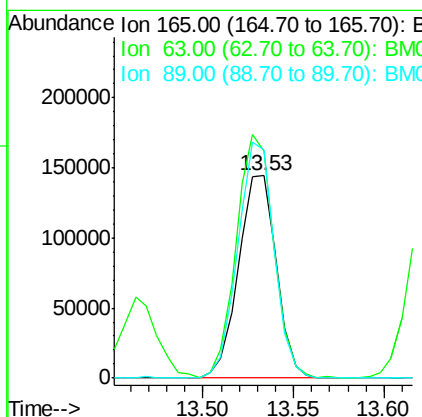
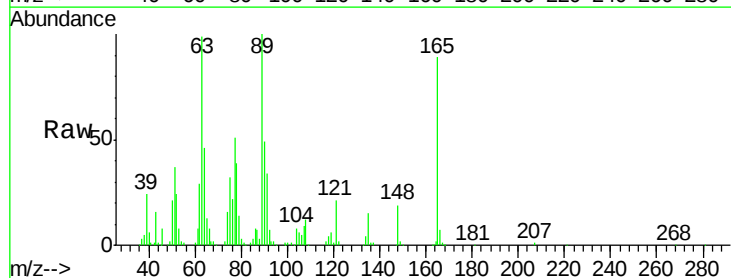
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

Tot Ion:163 Resp: 1016733  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.5 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 40.24 ng  
RT: 13.53 min Scan# 1827  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:165 Resp: 209787  
Ion Ratio Lower Upper  
165 100  
63 112.1 44.1 66.1#  
89 112.8 44.3 66.5#





#51

Acenaphthene

Concen: 41.41 ng

RT: 14.00 min Scan# 1906

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

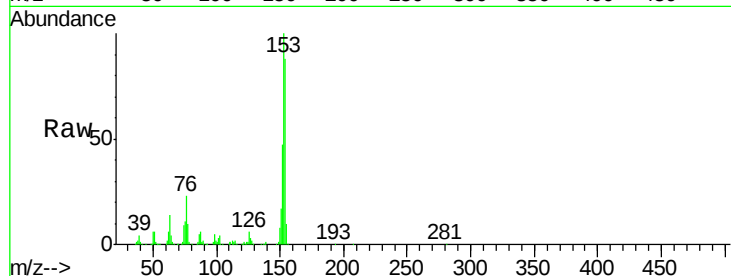
Tot Ion:154 Resp: 734601

Ion Ratio Lower Upper

154 100

153 114.3 90.0 135.0

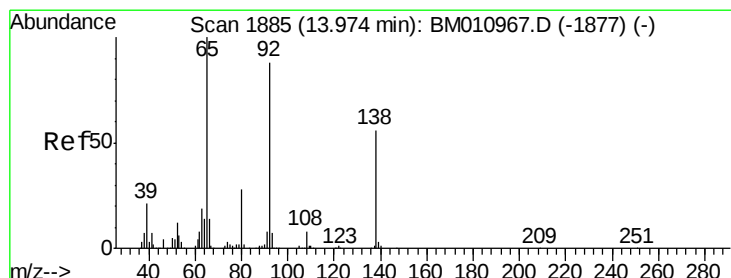
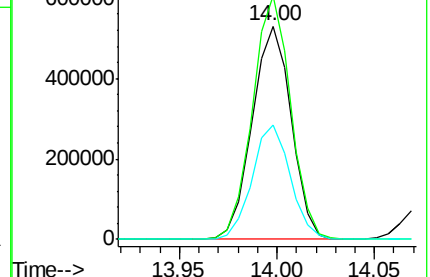
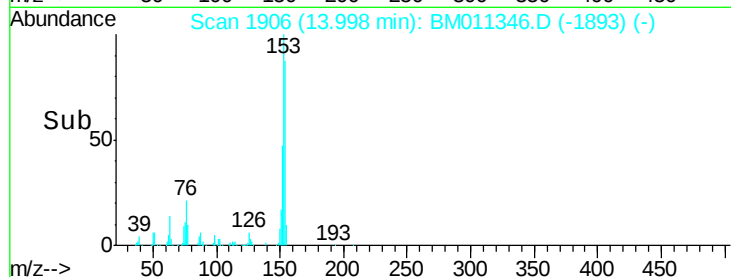
152 53.9 42.6 63.8



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: 39.67 ng

RT: 13.86 min Scan# 1882

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

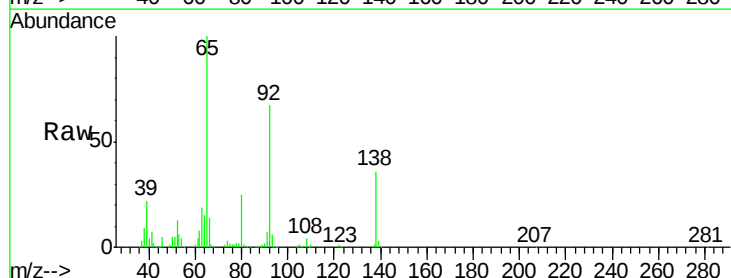
Tgt Ion:138 Resp: 179443

Ion Ratio Lower Upper

138 100

108 11.9 7.3 10.9#

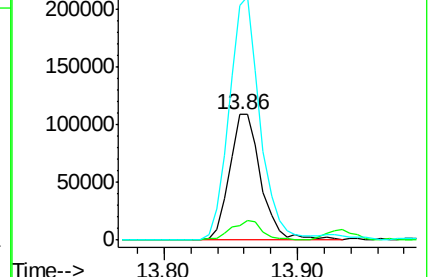
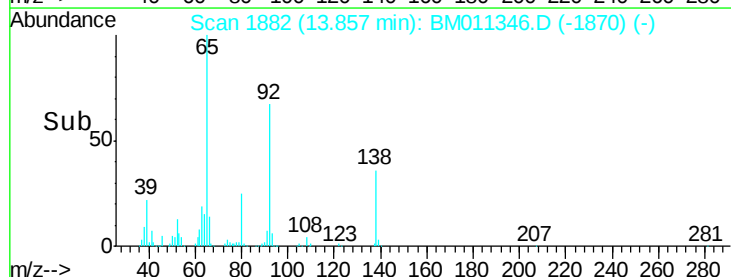
92 186.9 76.6 114.8#

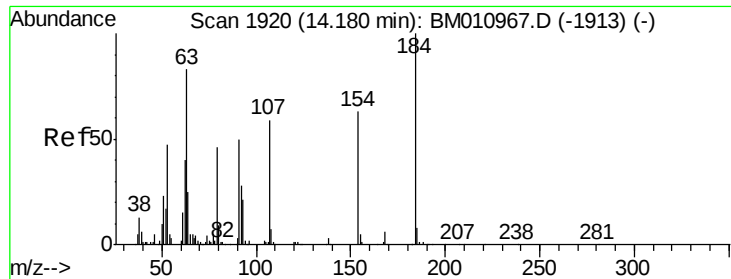


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

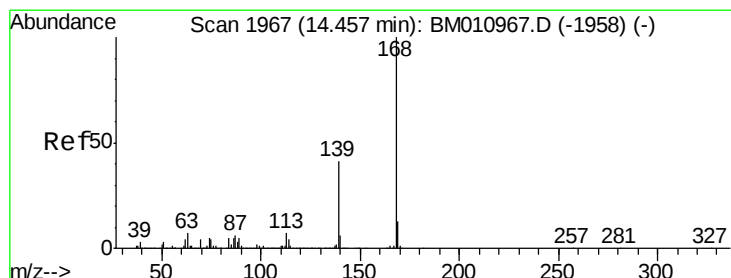
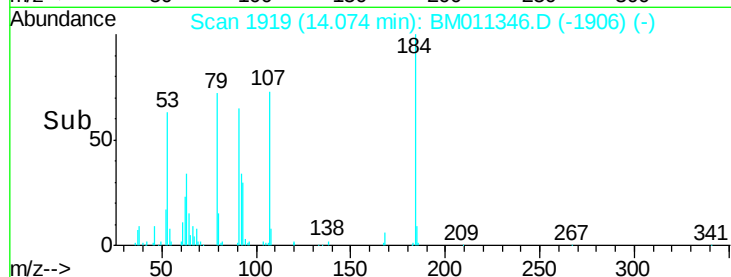
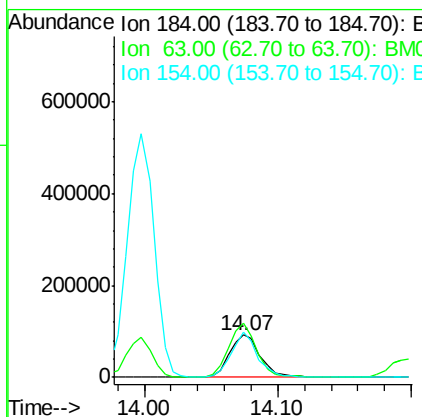
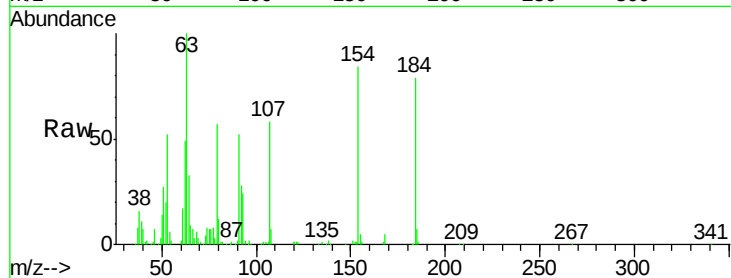




#53  
2,4-Dinitrophenol  
Concen: 40.40 ng  
RT: 14.07 min Scan# 1919  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

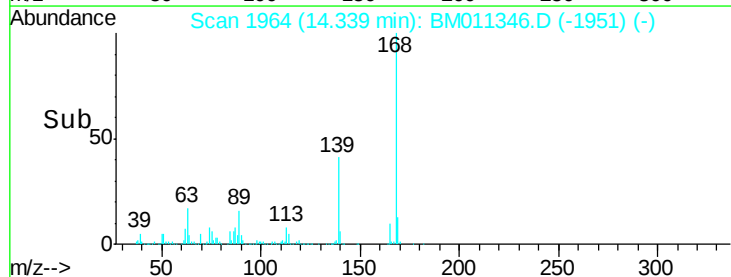
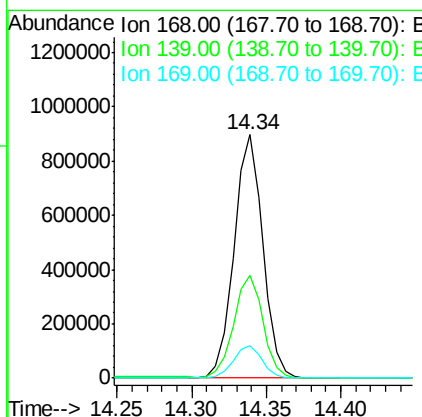
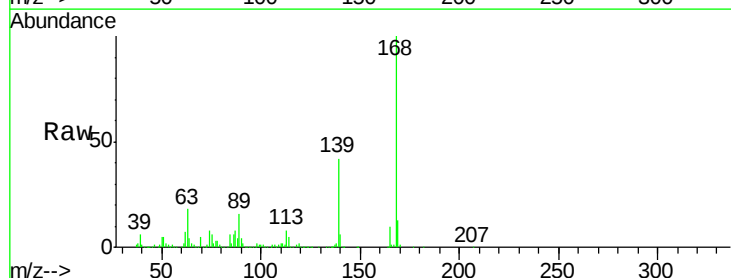
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

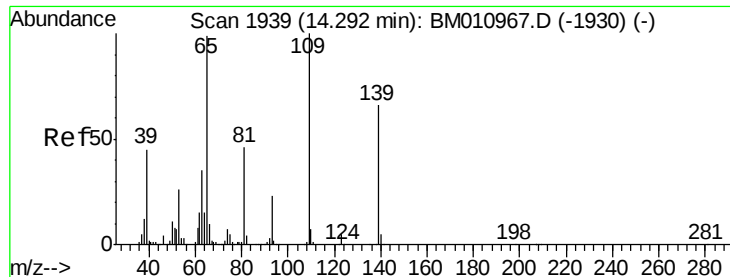
Tot Ion:184 Resp: 149680  
Ion Ratio Lower Upper  
184 100  
63 126.2 69.2 103.8#  
154 106.5 53.3 79.9#



#54  
Dibenzofuran  
Concen: 41.85 ng  
RT: 14.34 min Scan# 1964  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:168 Resp: 1202963  
Ion Ratio Lower Upper  
168 100  
139 42.2 27.3 40.9#  
169 13.1 10.6 16.0





#55

4-Nitrophenol

Concen: 28.97 ng

RT: 14.19 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

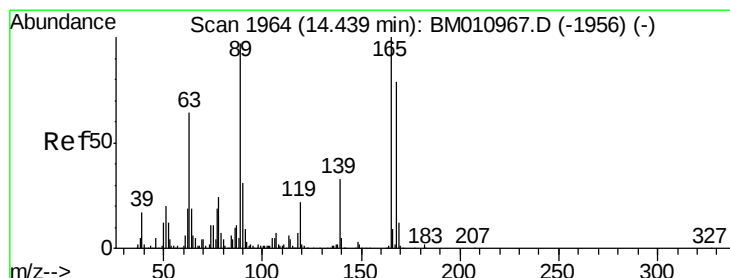
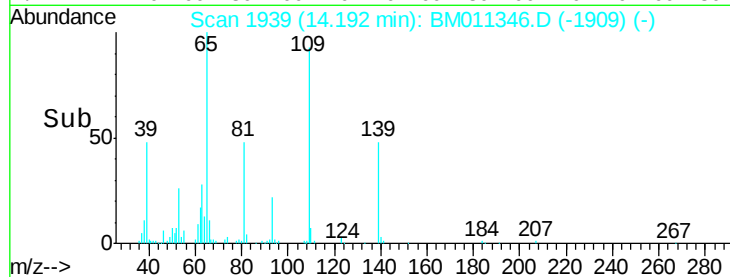
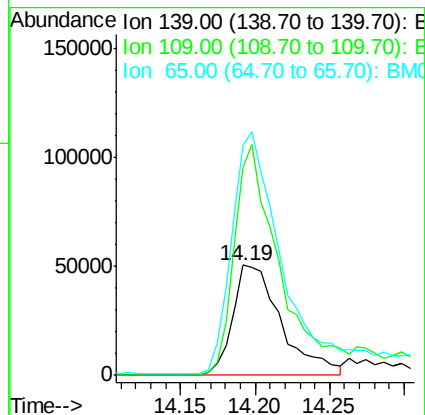
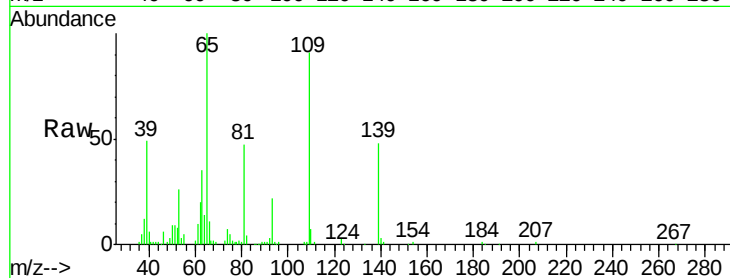
Tot Ion:139 Resp: 115129

Ion Ratio Lower Upper

139 100

109 189.5 130.0 170.0#

65 208.4 130.0 170.0#



#56

2,4-Dinitrotoluene

Concen: 44.17 ng

RT: 14.33 min Scan# 1962

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Tgt Ion:165 Resp: 323234

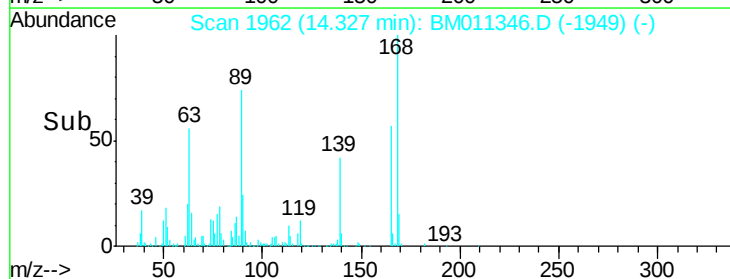
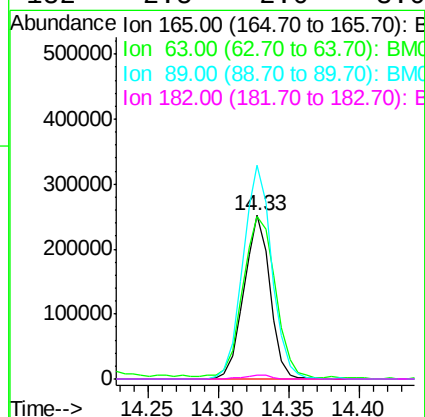
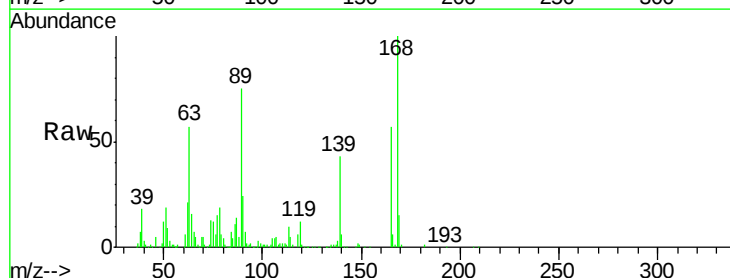
Ion Ratio Lower Upper

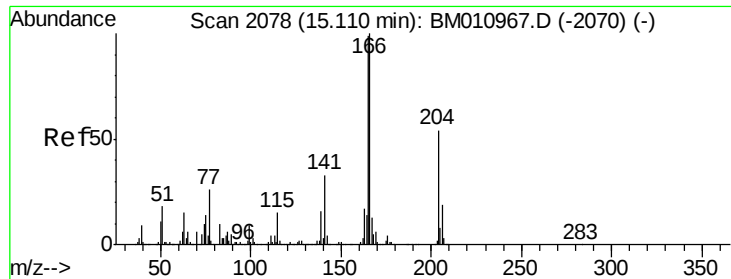
165 100

63 99.3 52.4 78.6#

89 130.4 72.4 108.6#

182 2.5 2.0 3.0

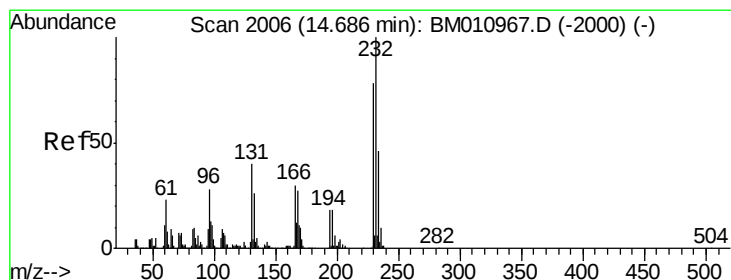
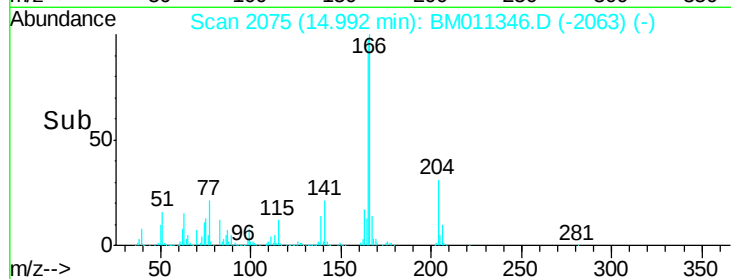
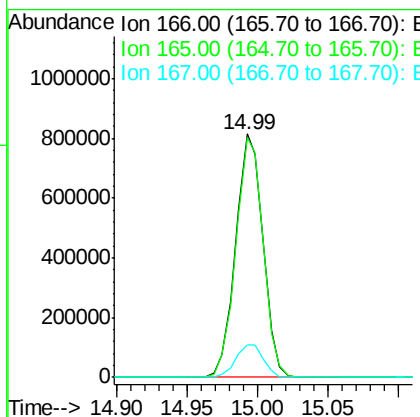
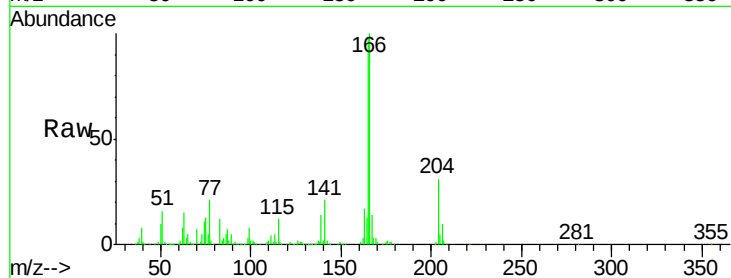




#57  
 Fluorene  
 Concen: 43.70 ng  
 RT: 14.99 min Scan# 2075  
 Delta R.T. -0.03 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

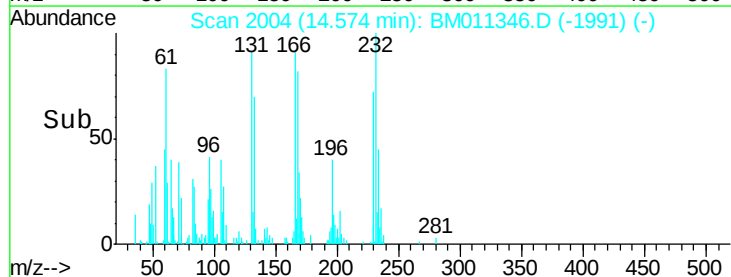
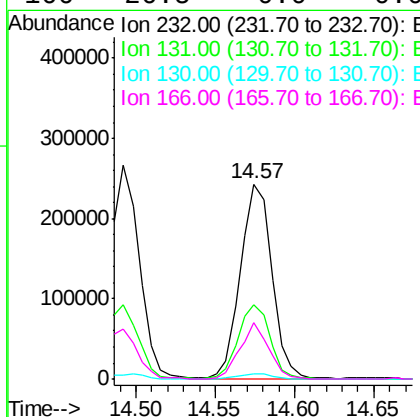
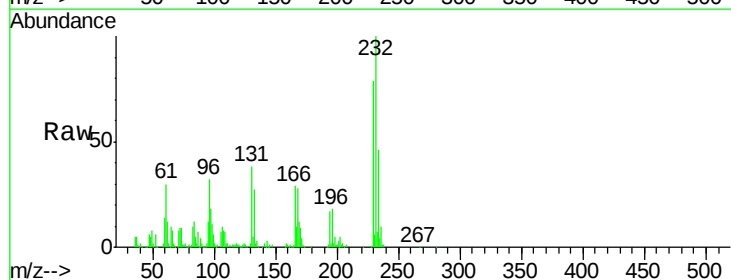
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

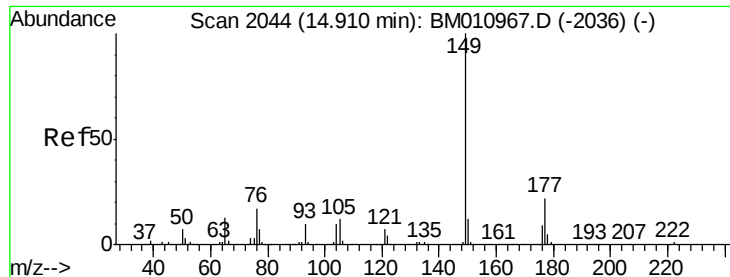
Tot Ion:166 Resp: 1093536  
 Ion Ratio Lower Upper  
 166 100  
 165 98.3 79.0 118.4  
 167 13.6 10.3 15.5



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.24 ng  
 RT: 14.57 min Scan# 2004  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

Tgt Ion:232 Resp: 334669  
 Ion Ratio Lower Upper  
 232 100  
 131 39.1 0.0 0.0#  
 130 2.8 0.0 0.0#  
 166 26.5 0.0 0.0#

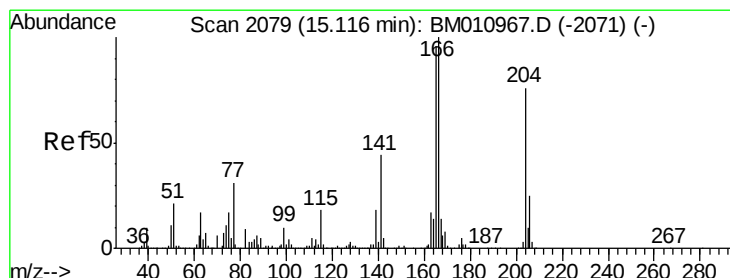
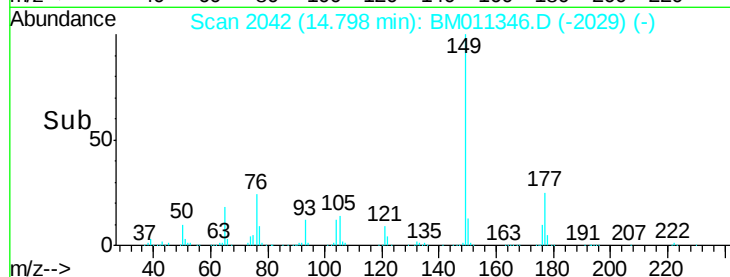
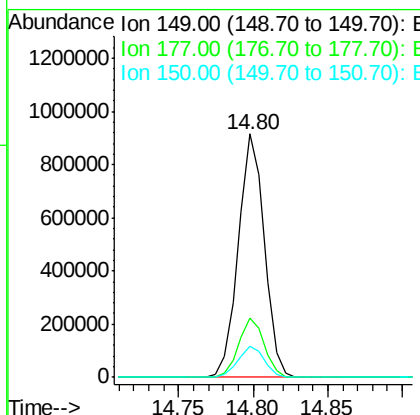
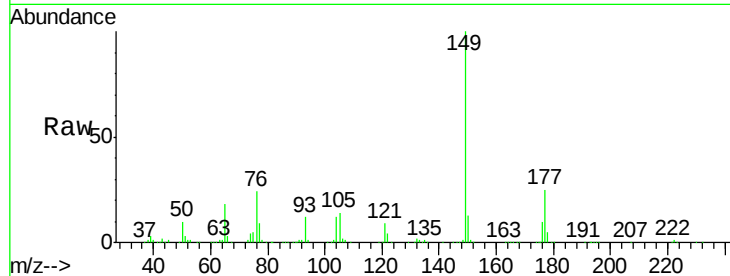




#59  
Diethylphthalate  
Concen: 42.21 ng  
RT: 14.80 min Scan# 2042  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

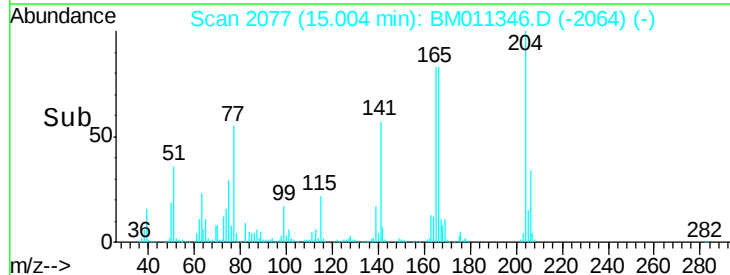
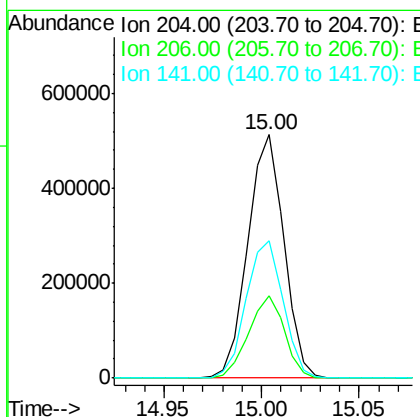
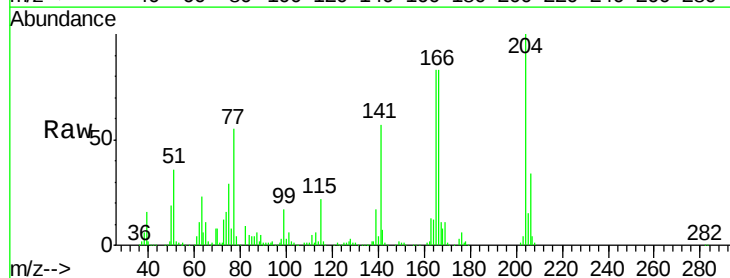
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

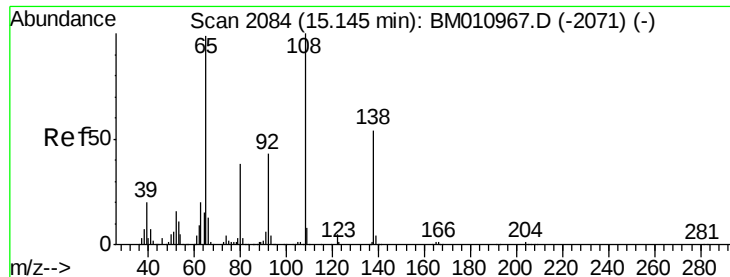
Tot Ion:149 Resp: 1111113  
Ion Ratio Lower Upper  
149 100  
177 24.5 18.3 27.5  
150 12.7 9.8 14.8



#60  
4-Chlorophenyl-phenylether  
Concen: 43.48 ng  
RT: 15.00 min Scan# 2077  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:204 Resp: 656981  
Ion Ratio Lower Upper  
204 100  
206 33.9 26.6 39.8  
141 56.6 45.2 67.8

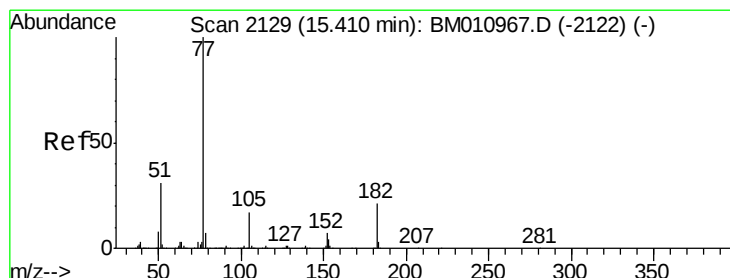
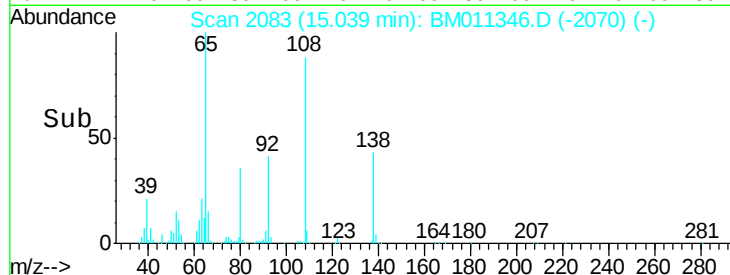
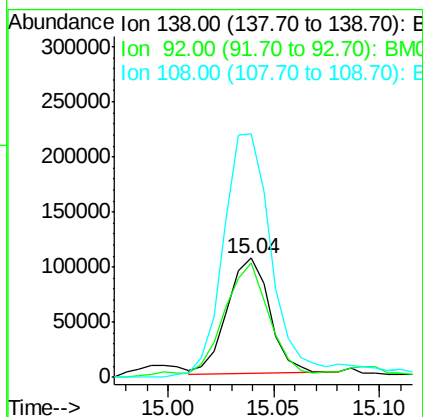
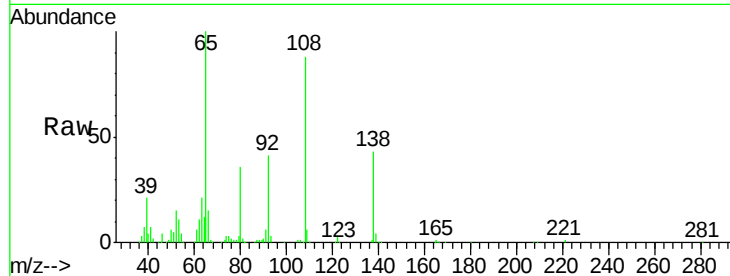




#61  
4-Nitroaniline  
Concen: 30.42 ng  
RT: 15.04 min Scan# 2083  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

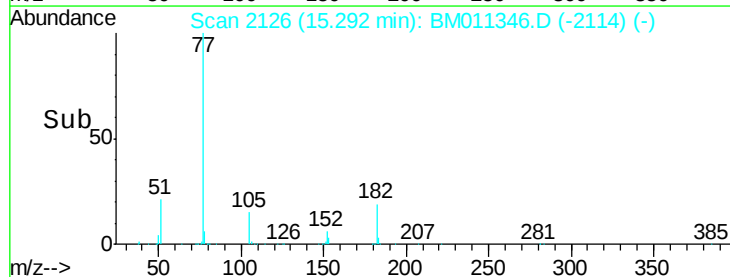
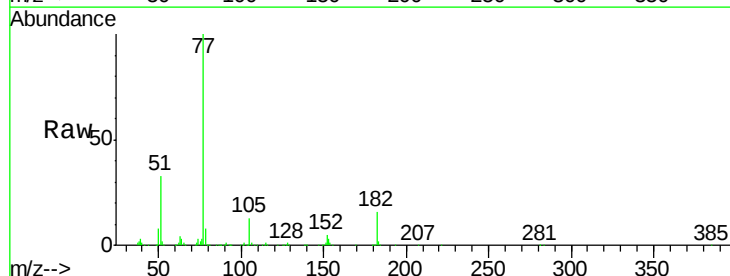
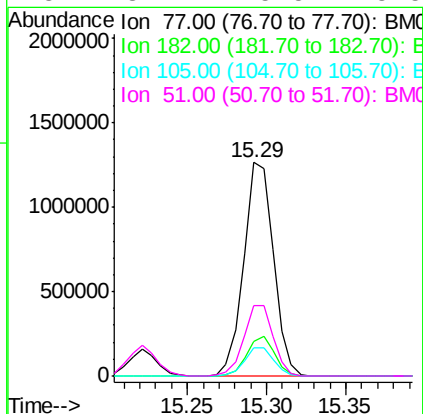
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

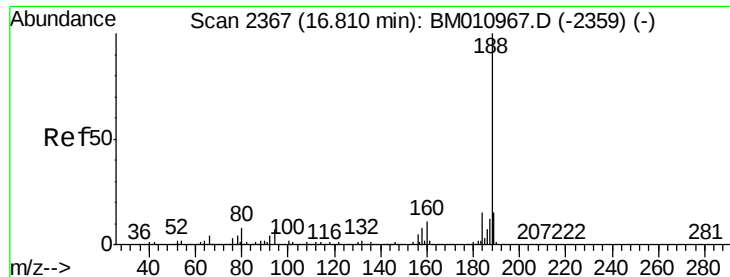
Tot Ion:138 Resp: 146171  
Ion Ratio Lower Upper  
138 100  
92 95.8 16.7 56.7#  
108 204.5 37.6 77.6#



#62  
Azobenzene  
Concen: 58.34 ng  
RT: 15.29 min Scan# 2126  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion: 77 Resp: 1643708  
Ion Ratio Lower Upper  
77 100  
182 16.3 6.5 46.5  
105 13.1 3.8 43.8  
51 32.7 5.5 45.5

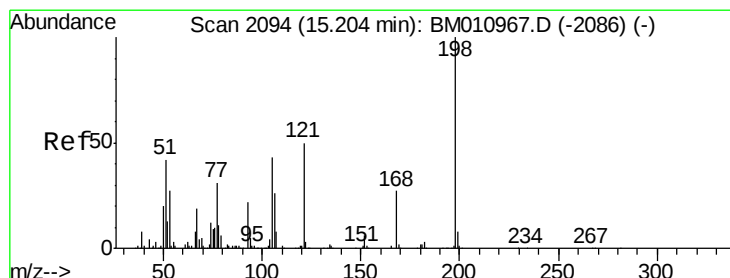
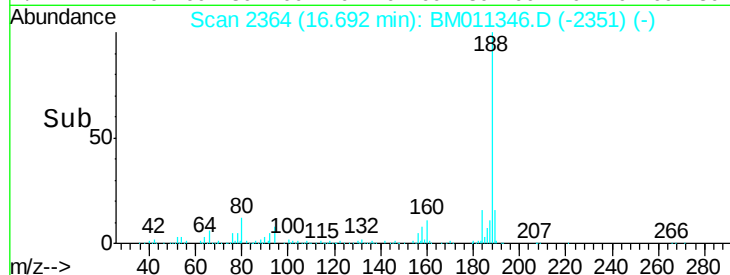
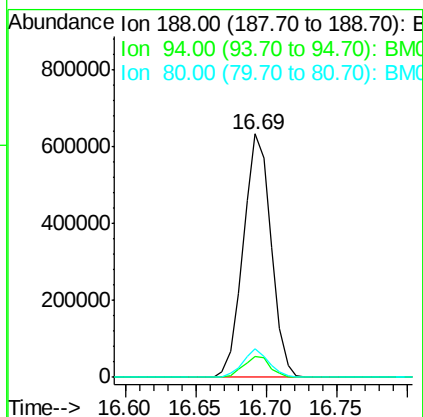
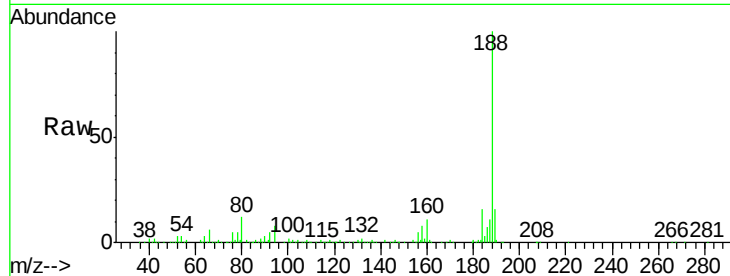




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.69 min Scan# 2364  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

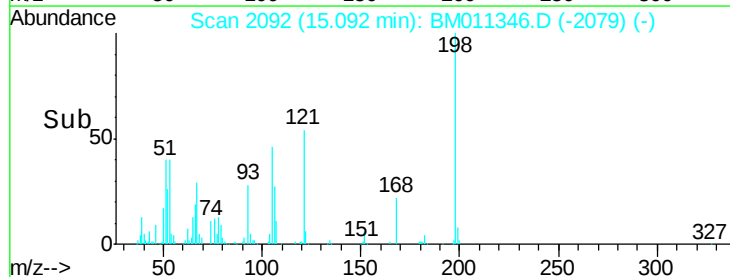
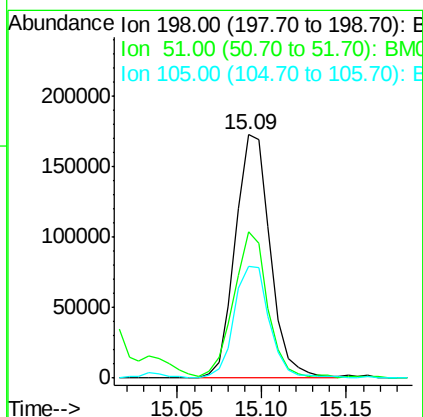
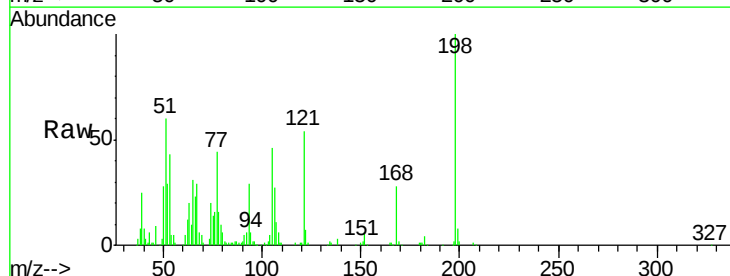
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

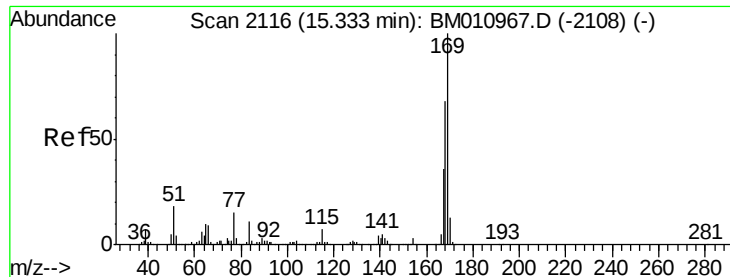
Tot Ion:188 Resp: 872529  
Ion Ratio Lower Upper  
188 100  
94 8.5 8.7 13.1#  
80 11.9 9.3 13.9



#64  
4,6-Dinitro-2-methylphenol  
Concen: 42.23 ng  
RT: 15.09 min Scan# 2092  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:198 Resp: 249475  
Ion Ratio Lower Upper  
198 100  
51 60.2 28.8 68.8  
105 46.0 30.5 70.5

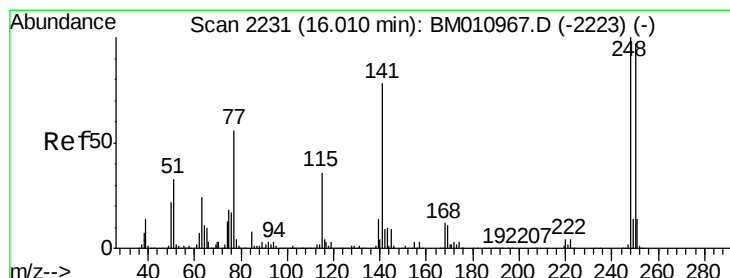
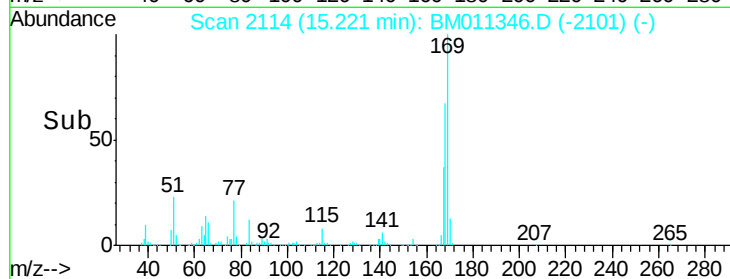
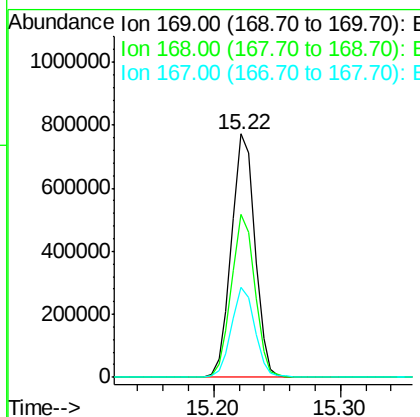
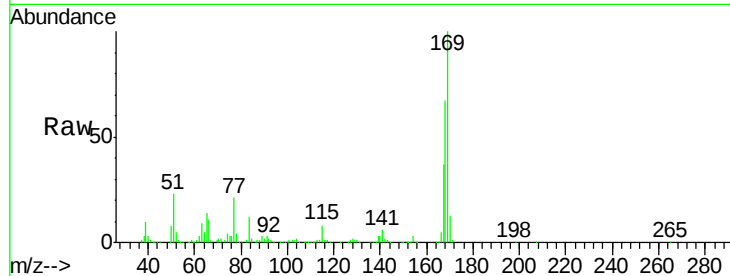




#65  
n-Nitrosodiphenylamine  
Concen: 39.45 ng  
RT: 15.22 min Scan# 2114  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

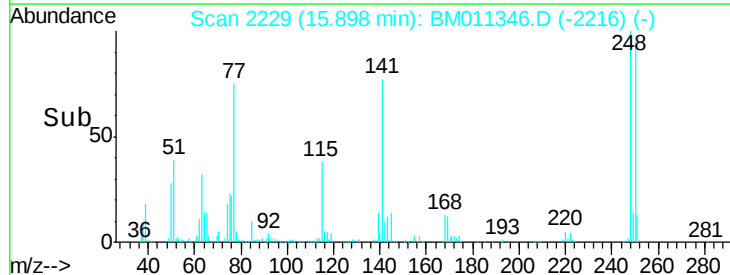
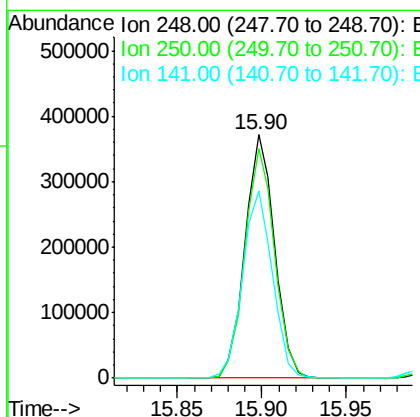
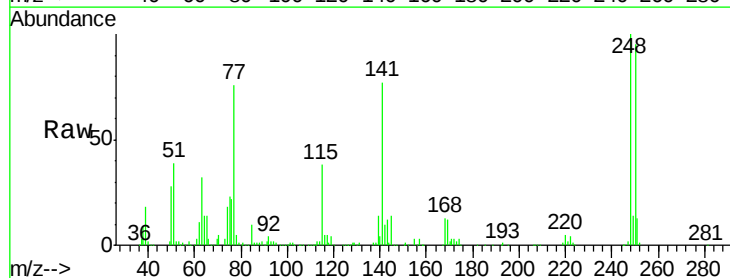
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

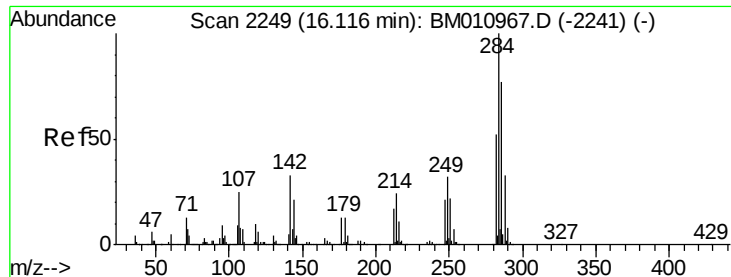
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.1  | 53.9  | 80.9  |
| 167     | 37.2  | 28.9  | 43.3  |



#66  
4-Bromophenyl-phenylether  
Concen: 40.42 ng  
RT: 15.90 min Scan# 2229  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 94.5  | 77.4  | 116.0 |
| 141     | 76.7  | 45.2  | 67.8  |

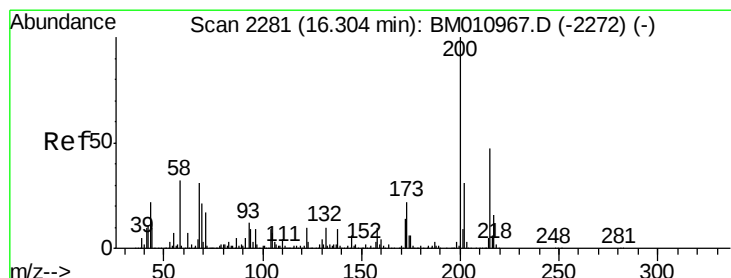
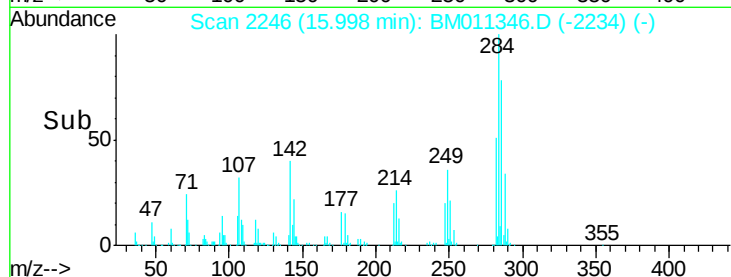
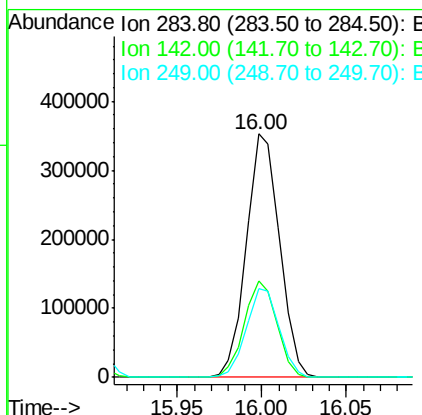
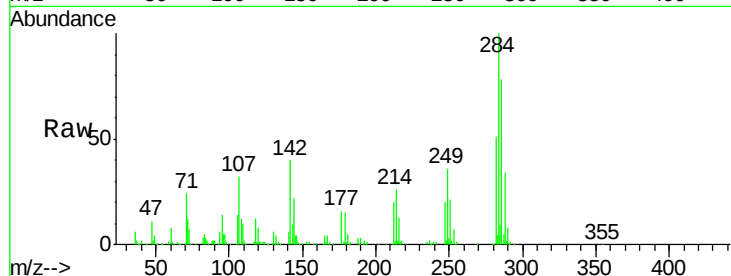




#67  
Hexachlorobenzene  
Concen: 38.13 ng  
RT: 16.00 min Scan# 2246  
Delta R.T. -0.03 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

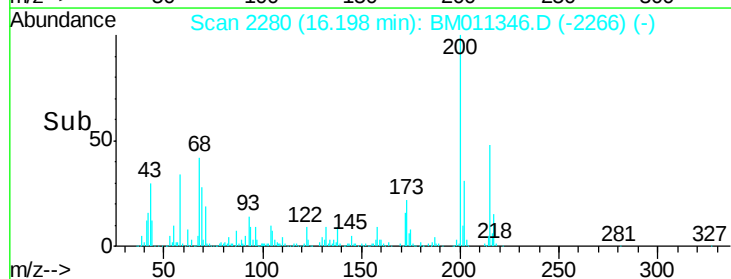
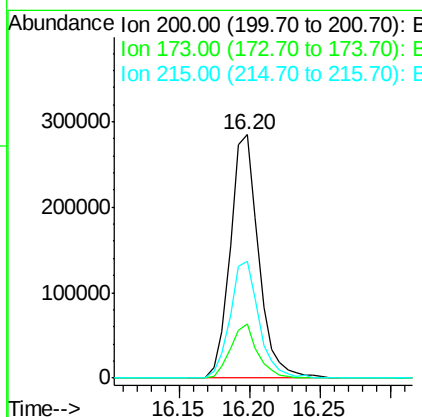
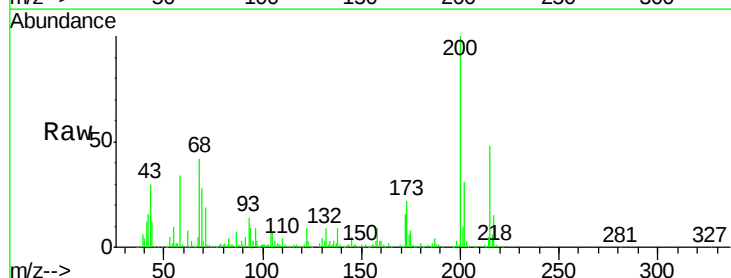
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

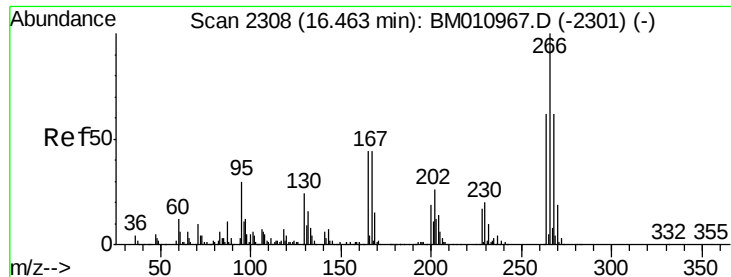
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 39.8  | 20.4  | 30.6# |
| 249     | 36.4  | 23.8  | 35.6# |



#68  
Atrazine  
Concen: 39.79 ng  
RT: 16.20 min Scan# 2280  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.4  | 4.8   | 44.8  |
| 215     | 48.1  | 26.9  | 66.9  |

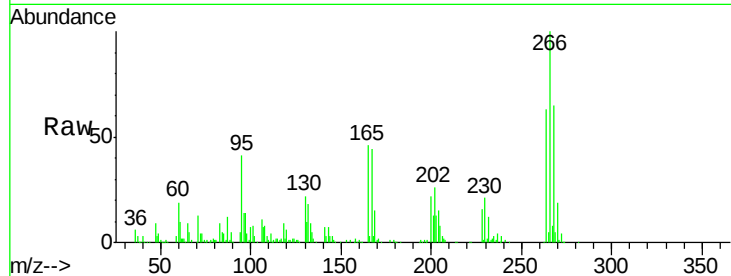




#69  
 Pentachlorophenol  
 Concen: 39.84 ng  
 RT: 16.35 min Scan# 2306  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.4  | 52.0  | 78.0  |
| 264     | 62.7  | 49.0  | 73.4  |

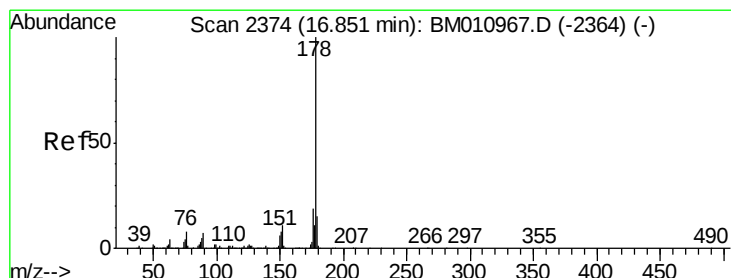
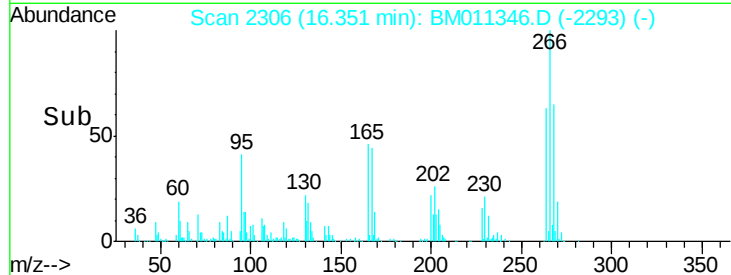
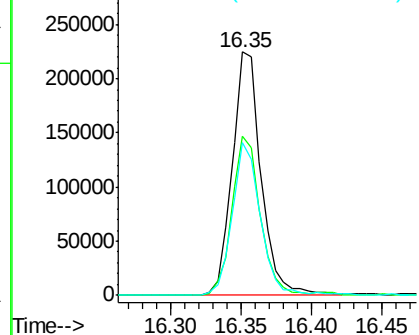


Abundance

Ion 265.70 (265.40 to 266.40): E

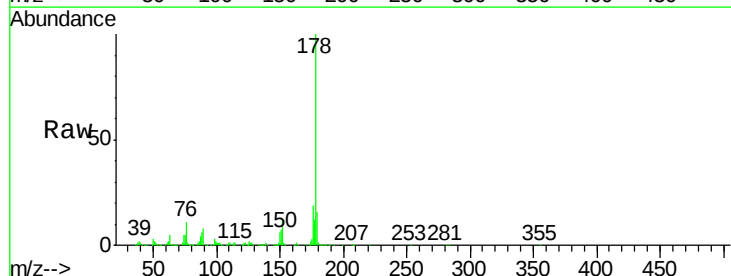
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70  
 Phenanthrene  
 Concen: 42.18 ng  
 RT: 16.73 min Scan# 2371  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.2  | 22.8  |
| 179     | 15.9  | 12.1  | 18.1  |

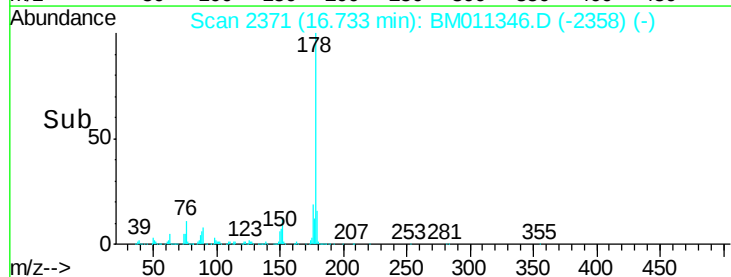
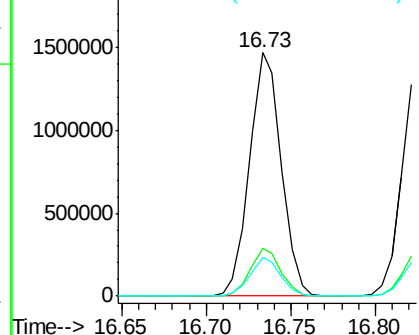


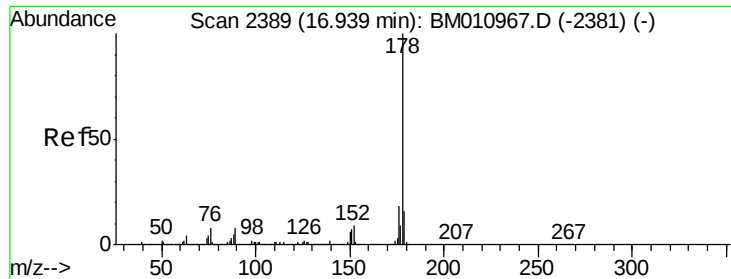
Abundance

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

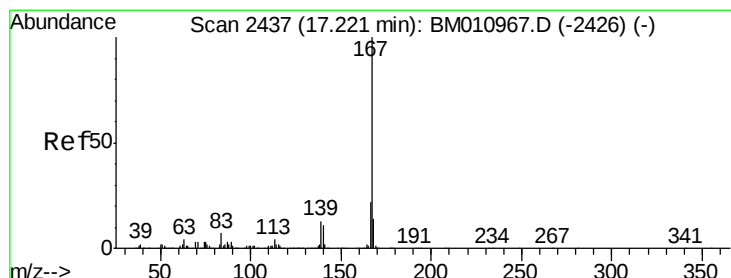
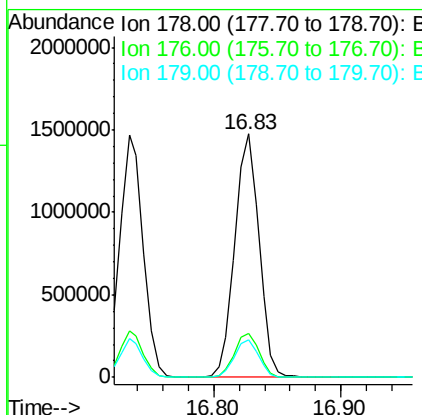
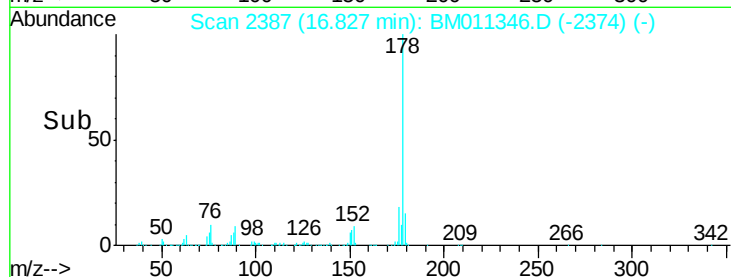
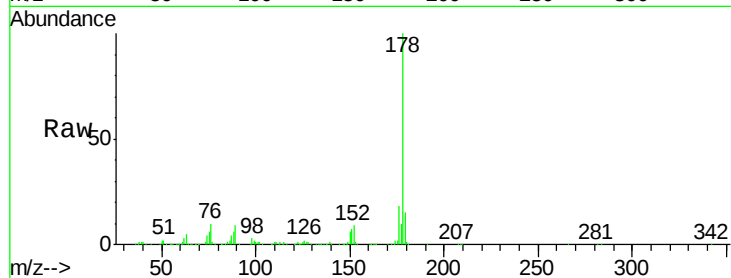




#71  
 Anthracene  
 Concen: 42.66 ng  
 RT: 16.83 min Scan# 2387  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

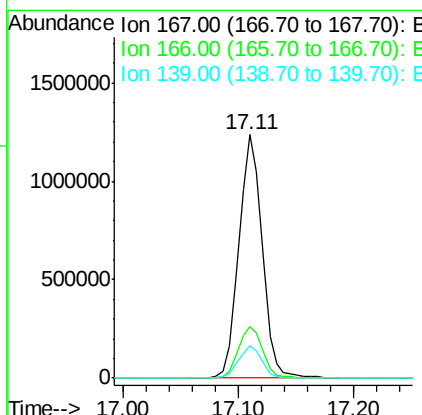
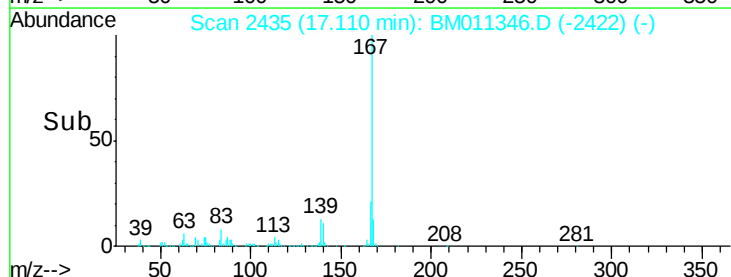
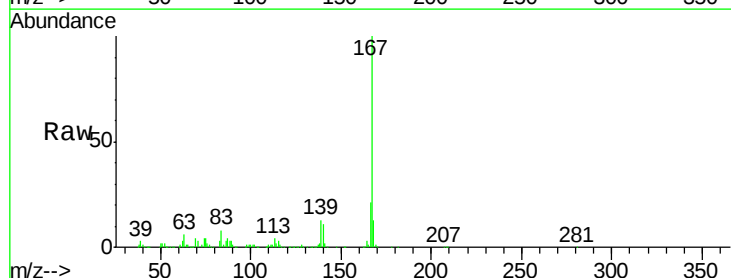
Instrument :  
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 ClientSampleId :  
 SSTDCCC040

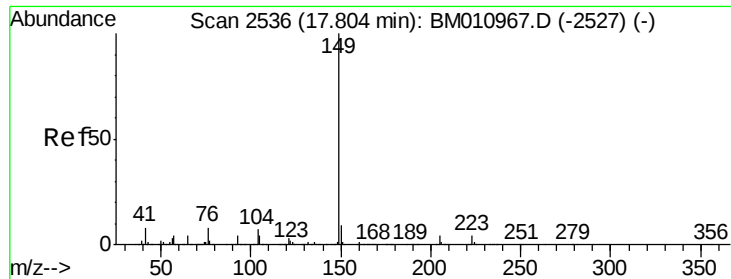
Tot Ion:178 Resp: 1943644  
 Ion Ratio Lower Upper  
 178 100  
 176 18.2 14.6 22.0  
 179 15.3 12.6 19.0



#72  
 Carbazole  
 Concen: 43.48 ng  
 RT: 17.11 min Scan# 2435  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

Tgt Ion:167 Resp: 1732679  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.2 25.8  
 139 13.1 10.8 16.2

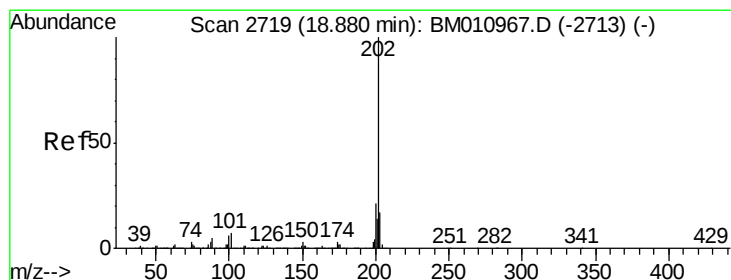
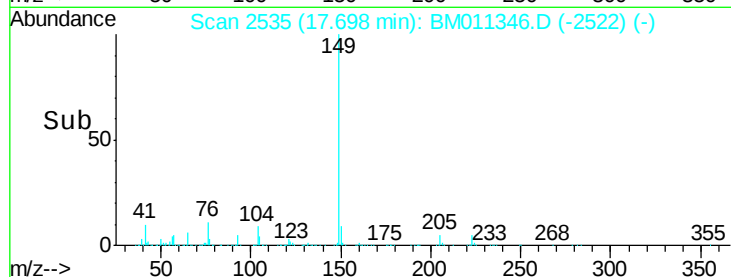
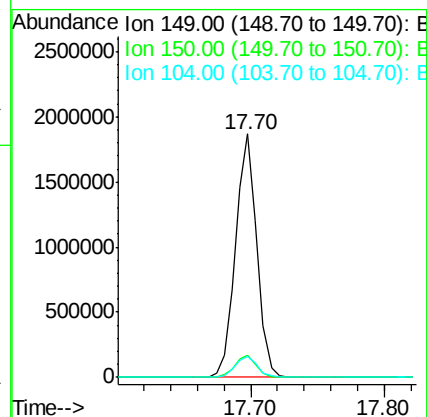
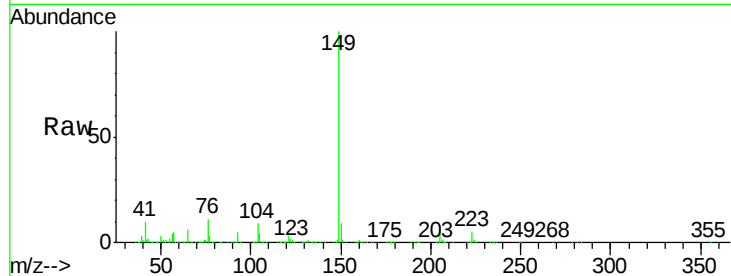




#73  
Di-n-butylphthalate  
Concen: 43.02 ng  
RT: 17.70 min Scan# 2535  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

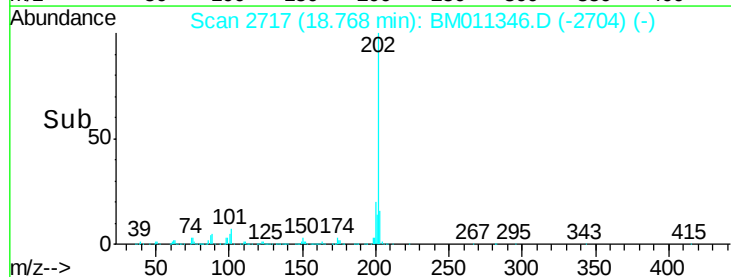
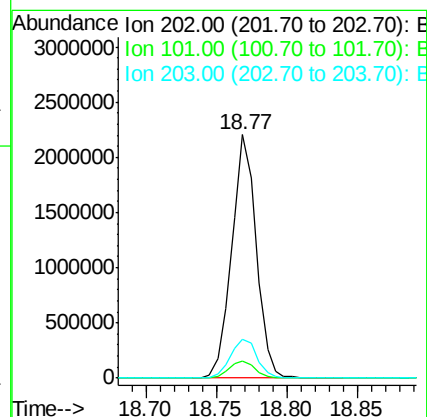
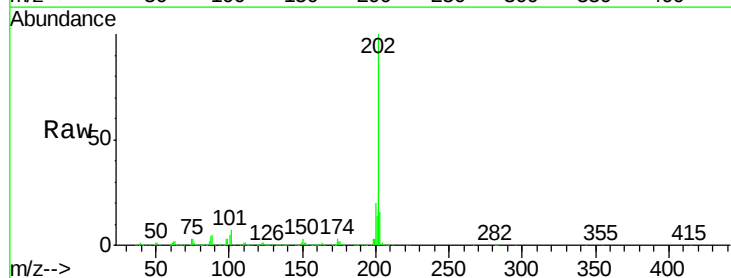
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

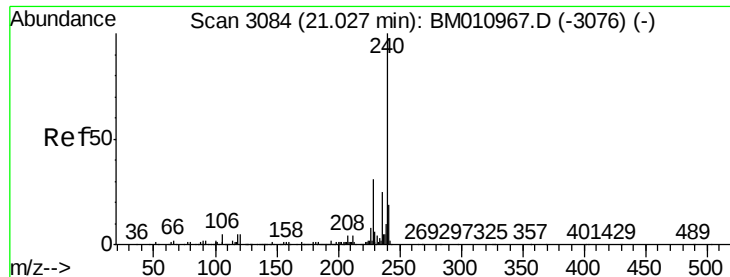
Tot Ion:149 Resp: 2087589  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.5 11.3  
104 8.8 3.7 5.5#



#74  
Fluoranthene  
Concen: 47.00 ng  
RT: 18.77 min Scan# 2717  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:202 Resp: 2661055  
Ion Ratio Lower Upper  
202 100  
101 7.1 0.0 28.7  
203 16.0 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 20.92 min Scan# 3083

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

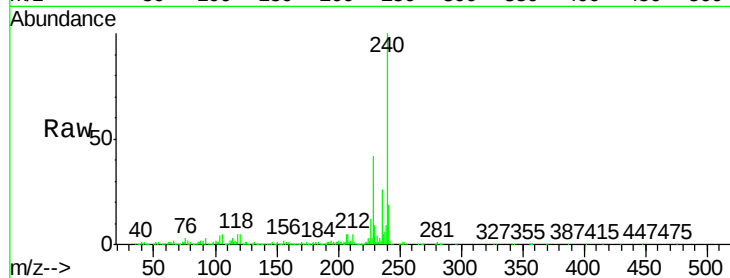
Tot Ion:240 Resp: 1203490

Ion Ratio Lower Upper

240 100

120 5.1 8.2 12.2#

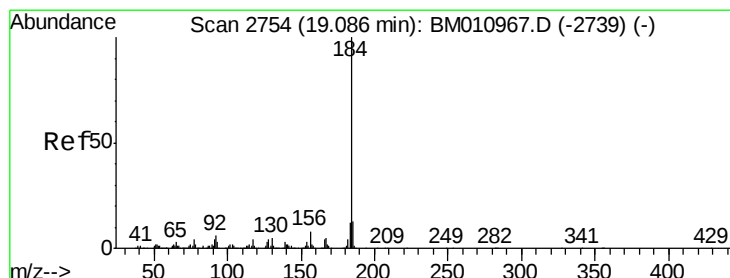
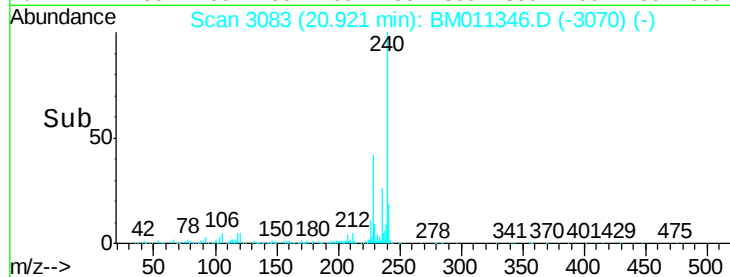
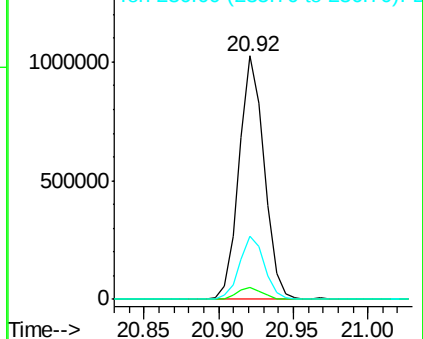
236 26.1 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 25.26 ng

RT: 18.99 min Scan# 2754

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

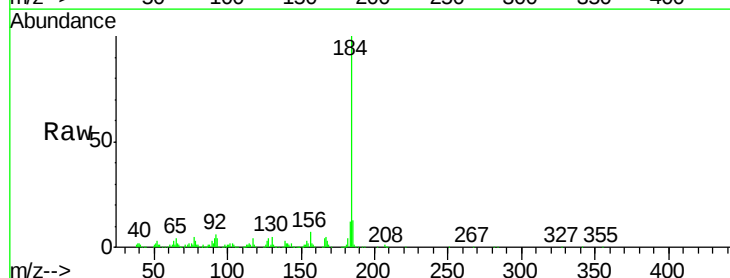
Tgt Ion:184 Resp: 727332

Ion Ratio Lower Upper

184 100

185 13.2 11.3 16.9

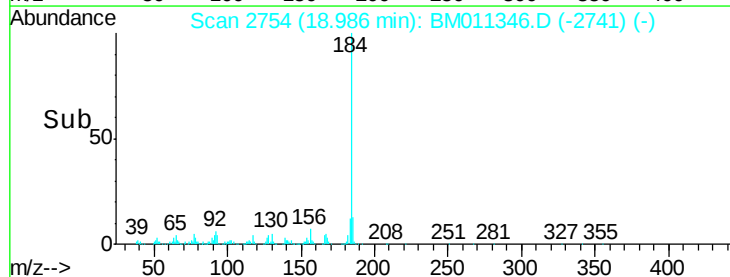
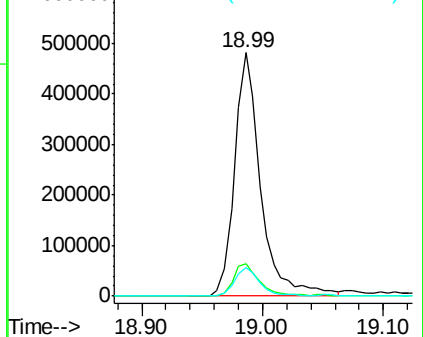
183 11.7 8.9 13.3

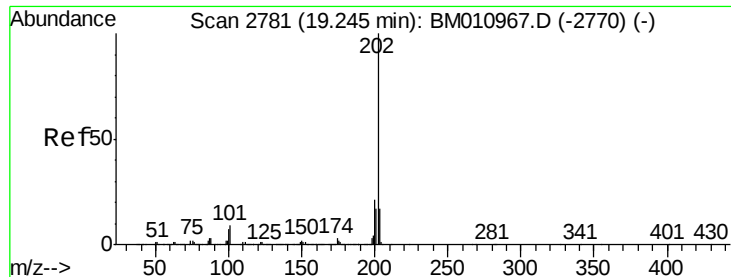


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 39.22 ng

RT: 19.14 min Scan# 2780

Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

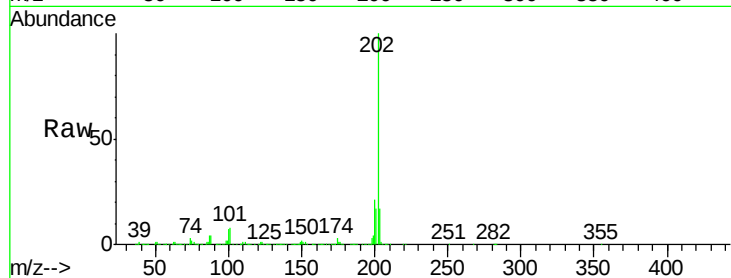
BNA\_M

ClientSampleId :

SSTDCCC040

Tot Ion:202 Resp: 2804284

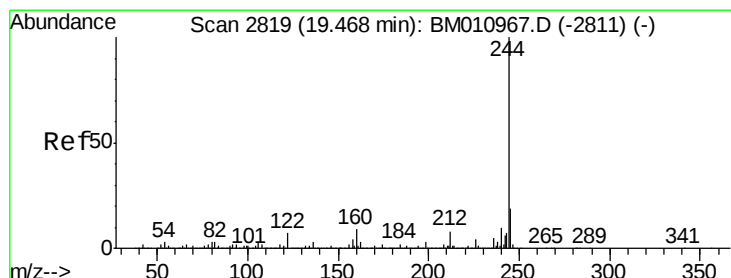
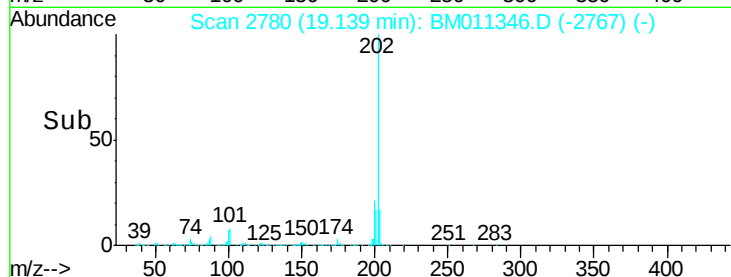
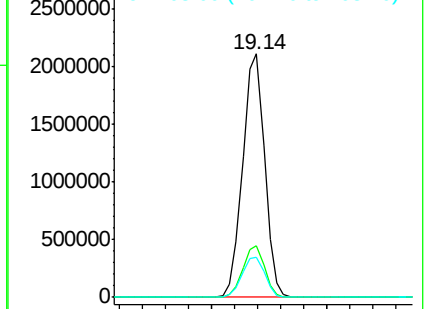
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.4  | 16.9  | 25.3  |
| 203 | 16.7  | 14.1  | 21.1  |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 79.95 ng

RT: 19.36 min Scan# 2818

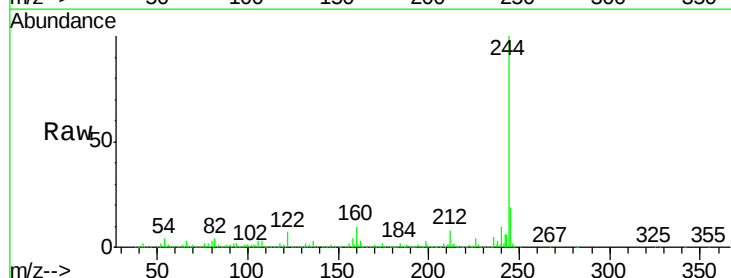
Delta R.T. -0.02 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Tgt Ion:244 Resp: 4857592

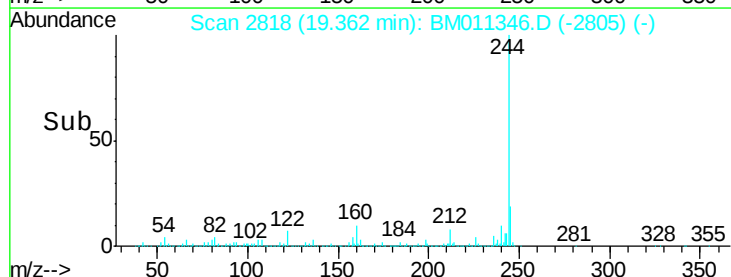
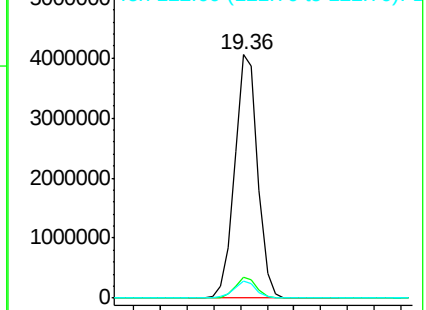
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 4.9   | 7.3#  |
| 122 | 6.8   | 6.2   | 9.4   |

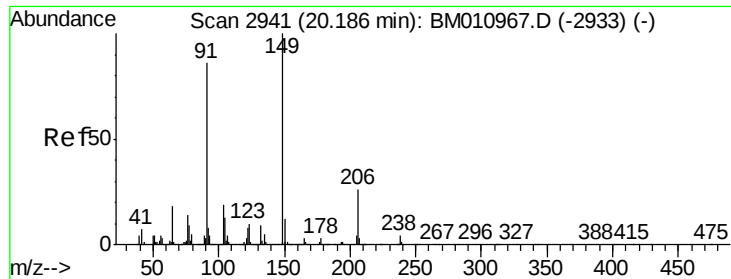


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

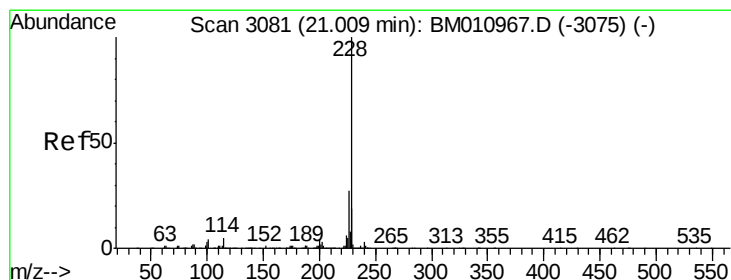
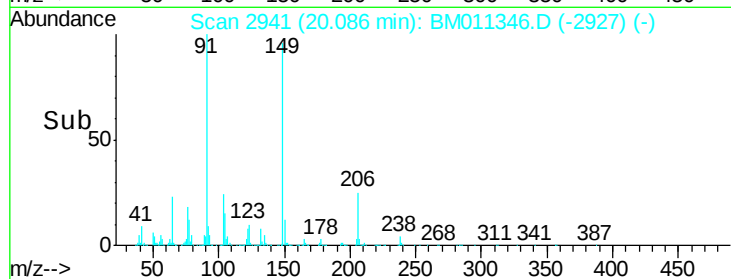
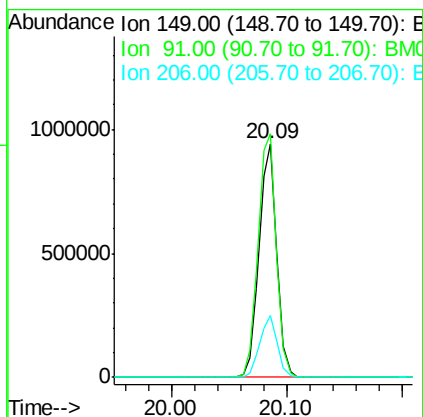
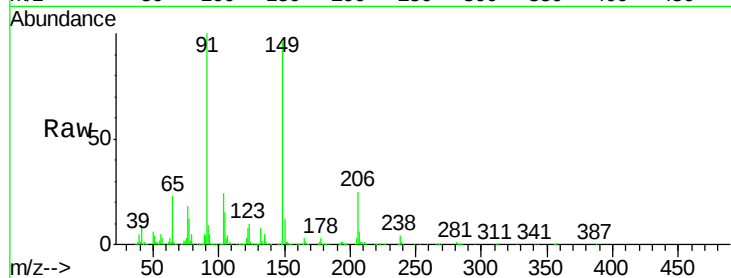




#79  
Butylbenzylphthalate  
Concen: 39.74 ng  
RT: 20.09 min Scan# 2941  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

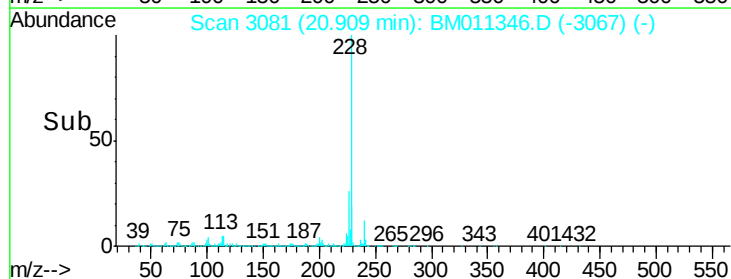
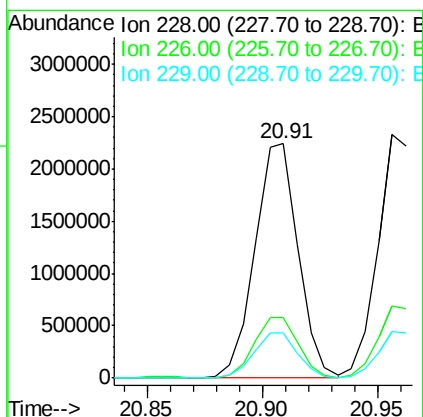
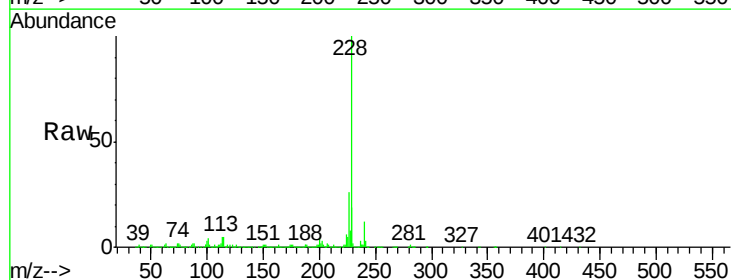
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC040

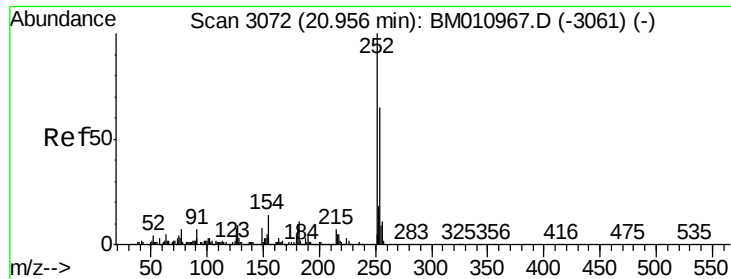
Tot Ion:149 Resp: 1010624  
Ion Ratio Lower Upper  
149 100  
91 104.3 50.1 75.1#  
206 26.6 16.2 24.2#



#80  
Benzo(a)anthracene  
Concen: 42.47 ng  
RT: 20.91 min Scan# 3081  
Delta R.T. -0.02 min  
Lab File: BM011346.D  
Acq: 25 Aug 2017 16:33

Tgt Ion:228 Resp: 2918543  
Ion Ratio Lower Upper  
228 100  
226 26.0 21.7 32.5  
229 19.0 16.0 24.0

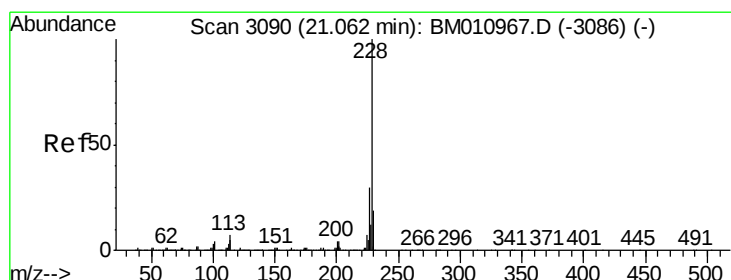
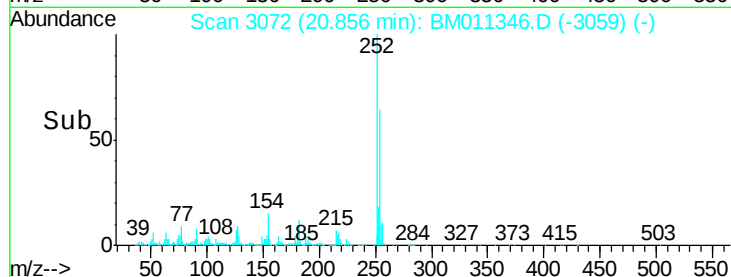
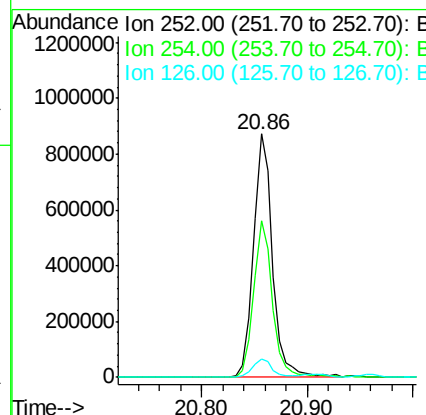
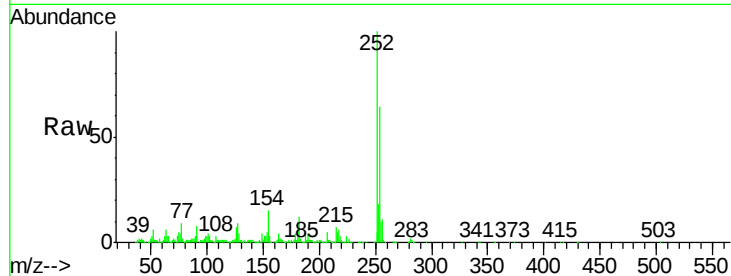




#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.65 ng  
 RT: 20.86 min Scan# 3072  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

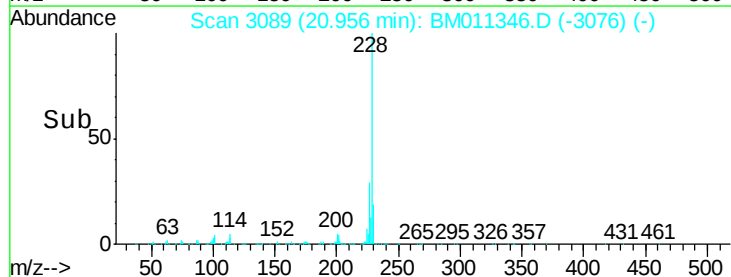
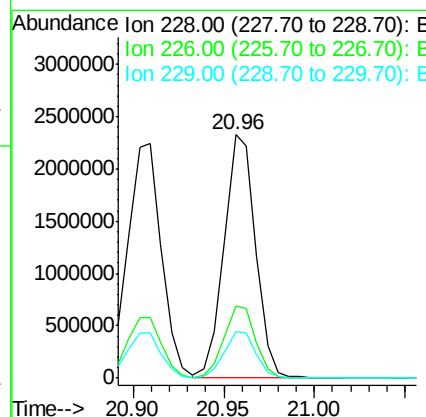
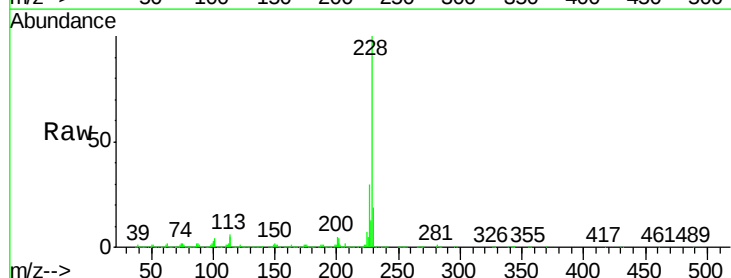
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

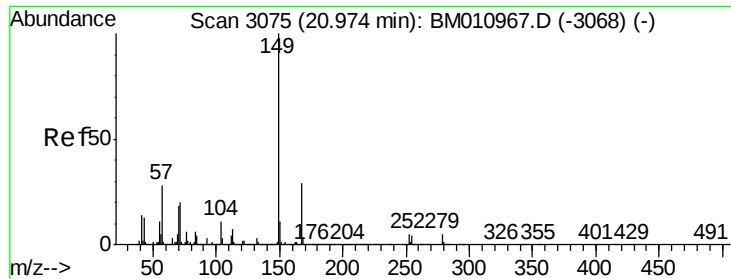
Tot Ion:252 Resp: 1095736  
 Ion Ratio Lower Upper  
 252 100  
 254 64.5 51.9 77.9  
 126 7.3 9.8 14.8#



#82  
 Chrysene  
 Concen: 42.48 ng  
 RT: 20.96 min Scan# 3089  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

Tgt Ion:228 Resp: 2802432  
 Ion Ratio Lower Upper  
 228 100  
 226 29.5 24.1 36.1  
 229 19.3 15.5 23.3

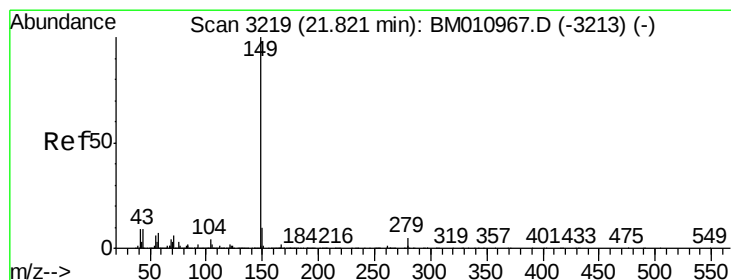
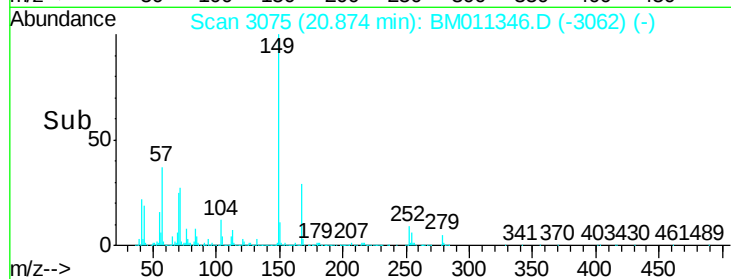
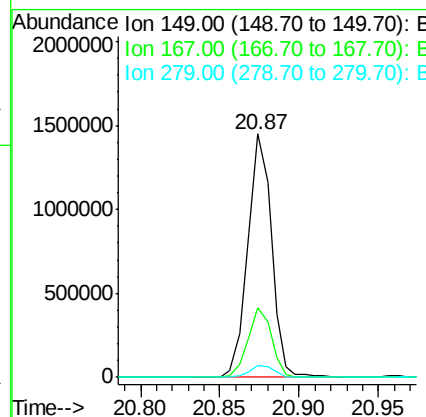
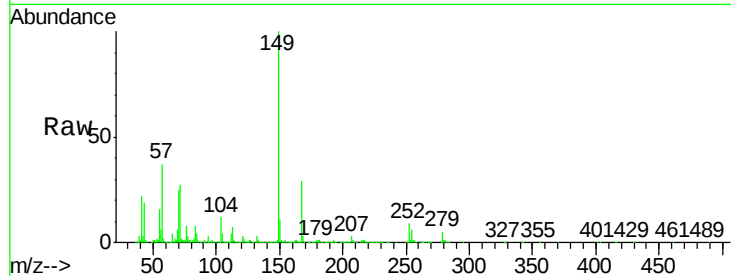




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.24 ng  
 RT: 20.87 min Scan# 3075  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

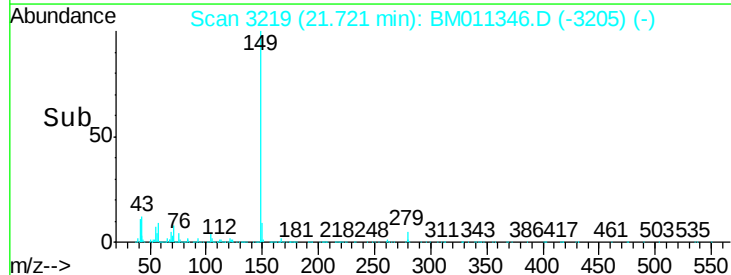
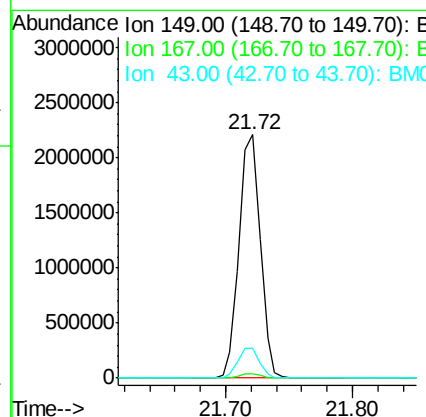
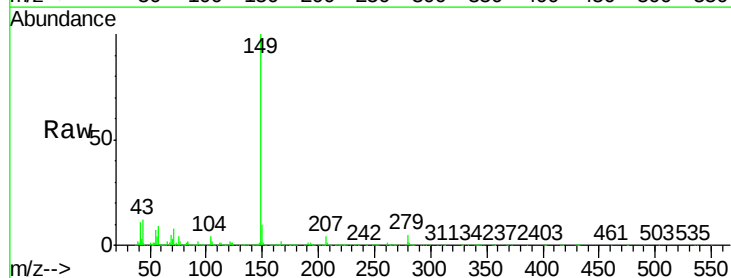
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

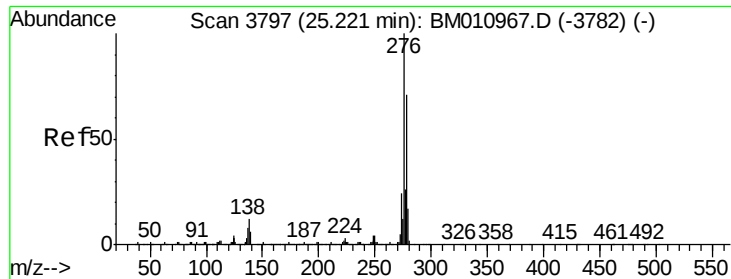
Tot Ion:149 Resp: 1505477  
 Ion Ratio Lower Upper  
 149 100  
 167 28.7 22.4 33.6  
 279 5.1 3.4 5.0#



#84  
 Di-n-octyl phthalate  
 Concen: 41.89 ng  
 RT: 21.72 min Scan# 3219  
 Delta R.T. -0.02 min  
 Lab File: BM011346.D  
 Acq: 25 Aug 2017 16:33

Tgt Ion:149 Resp: 2543268  
 Ion Ratio Lower Upper  
 149 100  
 167 1.7 1.2 1.8  
 43 12.8 7.3 10.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 42.36 ng

RT: 25.00 min Scan# 3776

Delta R.T. -0.05 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

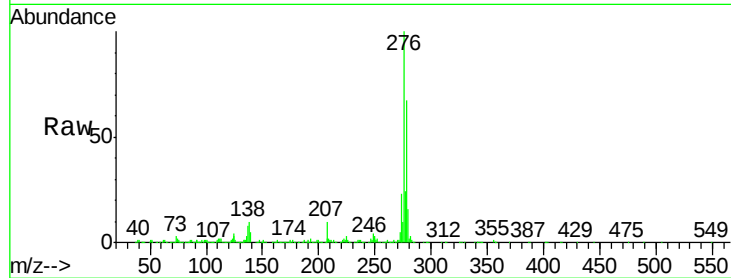
BNA\_M

ClientSampleId :

SSTDCCC040

Tot Ion:276 Resp: 2893917

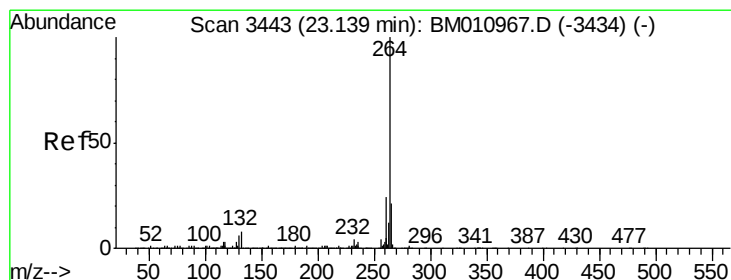
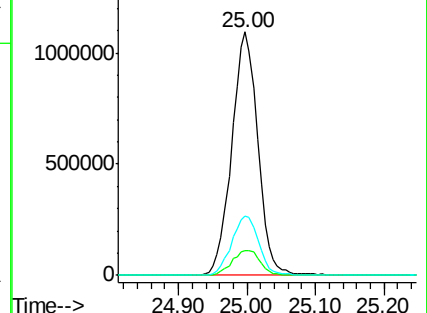
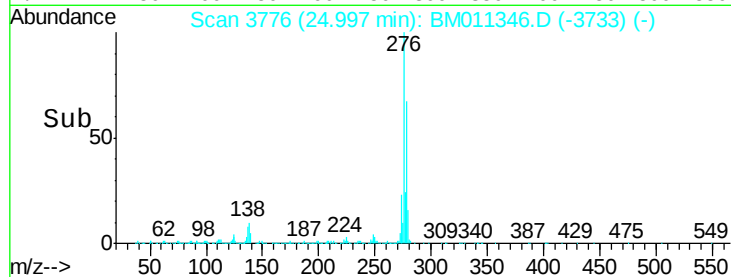
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 10.9  | 12.0  | 18.0# |
| 277 | 25.4  | 20.0  | 30.0  |



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 22.99 min Scan# 3435

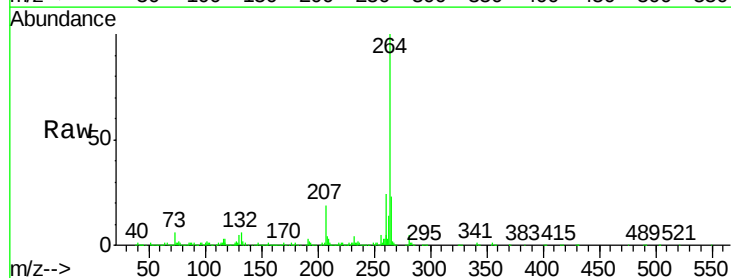
Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Tgt Ion:264 Resp: 1119618

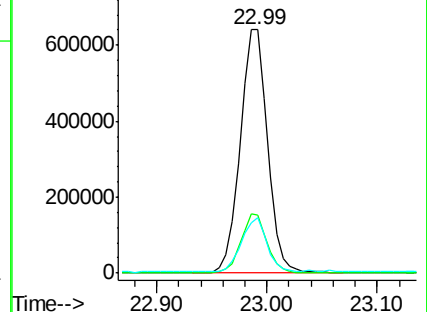
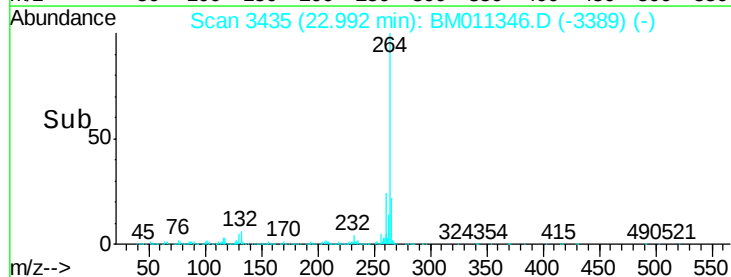
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 18.6  | 27.8  |
| 265 | 22.6  | 17.3  | 25.9  |

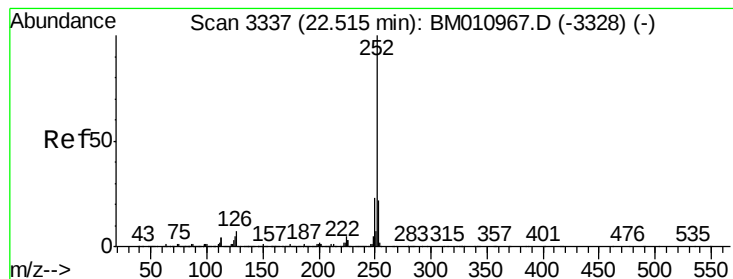


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 39.79 ng

RT: 22.39 min Scan# 3332

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

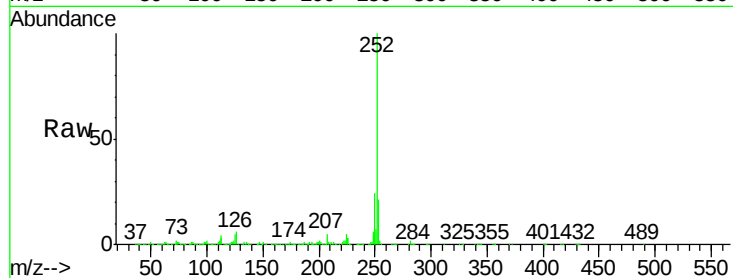
Tot Ion:252 Resp: 2859488

Ion Ratio Lower Upper

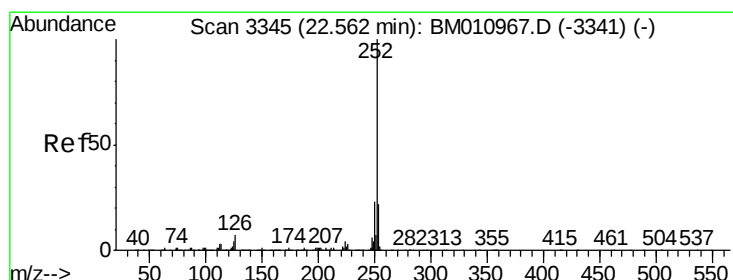
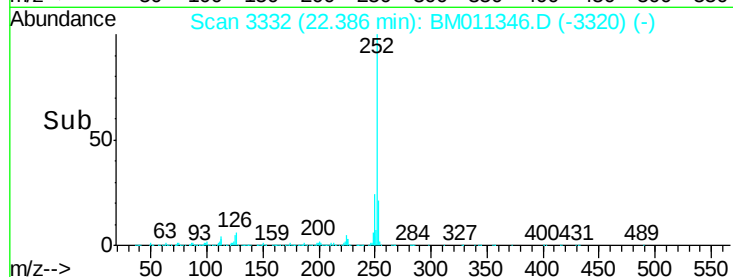
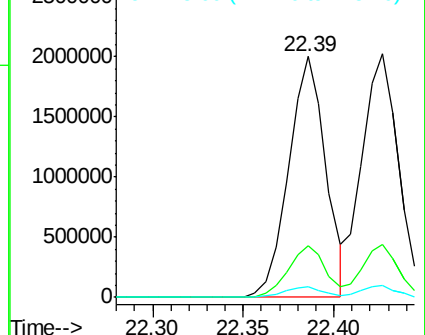
252 100

253 21.2 18.0 27.0

125 4.6 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: 41.25 ng

RT: 22.43 min Scan# 3339

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

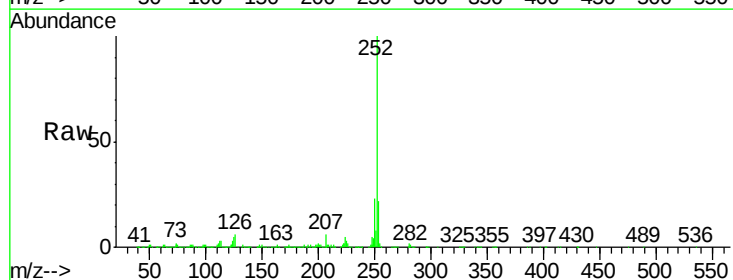
Tgt Ion:252 Resp: 2840893

Ion Ratio Lower Upper

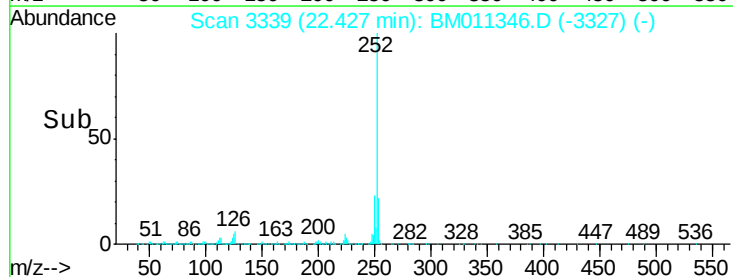
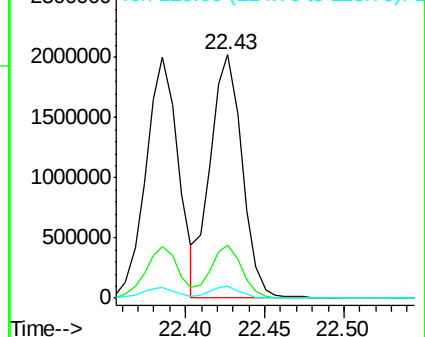
252 100

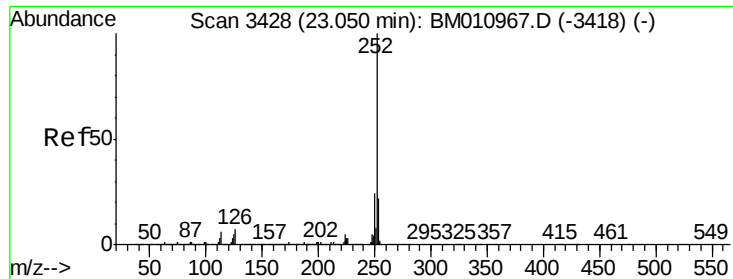
253 21.6 17.2 25.8

125 5.0 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: 41.59 ng

RT: 22.90 min Scan# 3420

Delta R.T. -0.03 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

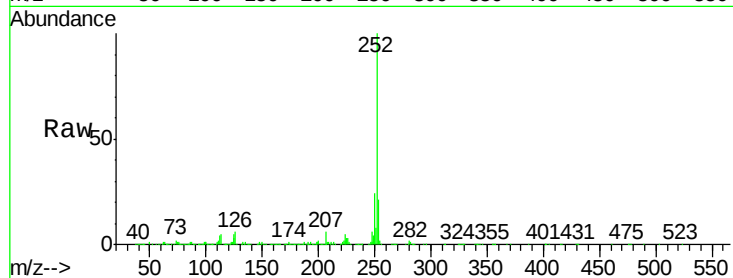
BNA\_M

ClientSampleId :

SSTDCCC040

Tot Ion:252 Resp: 2704483

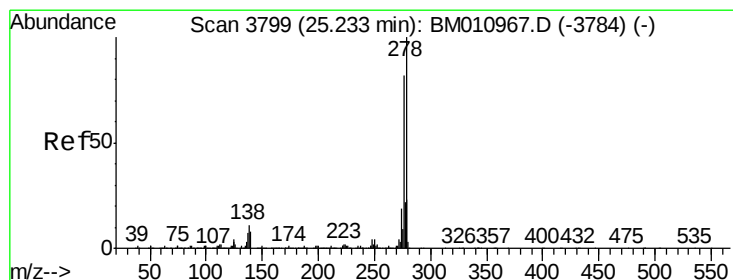
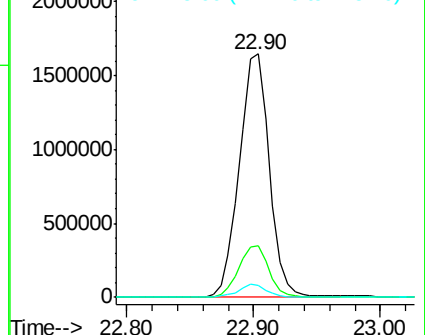
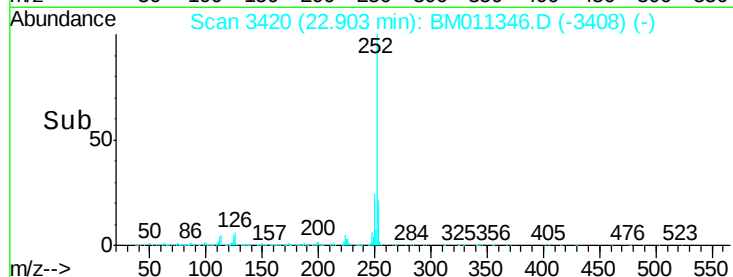
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.4  | 17.6  | 26.4  |
| 125 | 4.7   | 7.4   | 11.2# |



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: 39.19 ng

RT: 25.01 min Scan# 3778

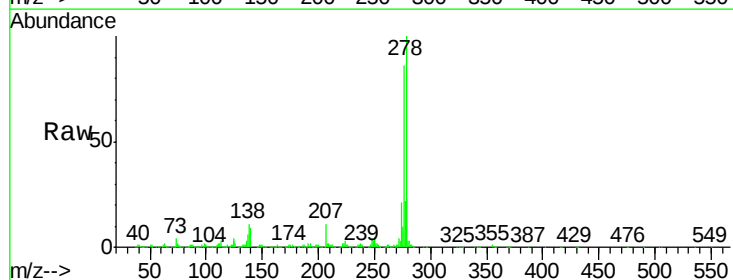
Delta R.T. -0.05 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Tgt Ion:278 Resp: 2362544

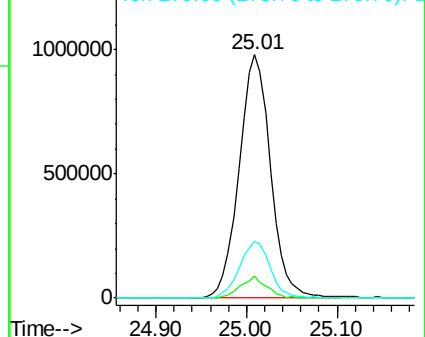
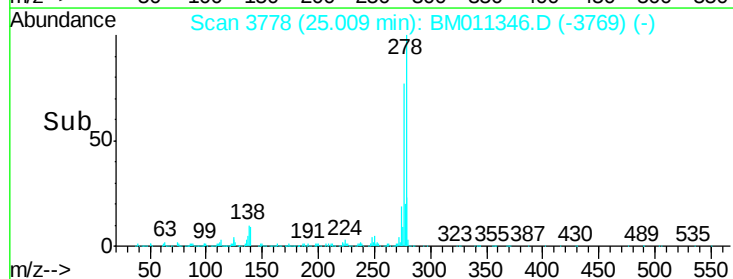
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 9.1   | 13.4  | 20.0# |
| 279 | 23.4  | 19.0  | 28.4  |

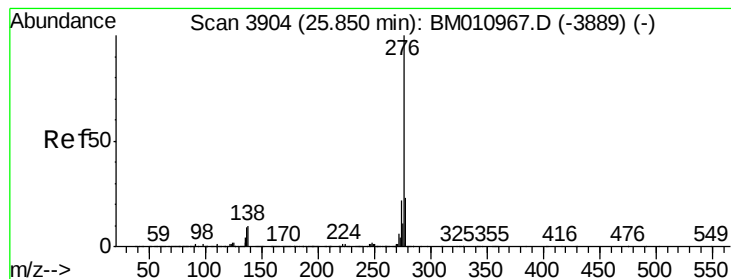


Abundance Ion 278.00 (277.70 to 278.70): E

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: 39.89 ng

RT: 25.60 min Scan# 3879

Delta R.T. -0.05 min

Lab File: BM011346.D

Acq: 25 Aug 2017 16:33

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC040

Tot Ion:276 Resp: 2361244

Ion Ratio Lower Upper

276 100

277 22.0 18.5 27.7

138 8.6 19.0 28.6#

