

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120915\  
 Data File : BG020025.D  
 Acq On : 9 Dec 2015 2:57  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Dec 09 07:11:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 19237    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.93 | 136  | 84442    | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.74 | 164  | 59520    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.48 | 188  | 151563   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.76 | 240  | 189552   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12          | 25.03 | 264  | 175864   | 20.00 | ng    | -0.06    |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.65  | 112 | 95725  | 89.94 | ng | -0.02 |
| 7) Phenol-d6             | 7.26  | 99  | 144610 | 89.99 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 141969 | 85.80 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 76402  | 83.89 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 13.37 | 172 | 356553 | 81.79 | ng | -0.02 |
| 78) Terphenyl-d14        | 20.08 | 244 | 623429 | 80.22 | ng | -0.03 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 17610  | 42.47 | ng | # 100  |
| 3) Pyridine                    | 3.92  | 79  | 54611  | 43.37 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 24616  | 37.17 | ng | 86     |
| 6) Aniline                     | 7.43  | 93  | 89686  | 43.10 | ng | # 86   |
| 8) 2-Chlorophenol              | 7.67  | 128 | 57555  | 44.35 | ng | 91     |
| 9) Benzaldehyde                | 7.24  | 77  | 38653  | 36.07 | ng | 93     |
| 10) Phenol                     | 7.29  | 94  | 75264  | 44.50 | ng | 80     |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93  | 52940  | 42.26 | ng | 86     |
| 12) 1,3-Dichlorobenzene        | 8.00  | 146 | 61692  | 41.94 | ng | # 93   |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146 | 63309  | 41.67 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.47  | 146 | 61960  | 42.76 | ng | # 93   |
| 15) Benzyl Alcohol             | 8.35  | 79  | 56178  | 39.84 | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64  | 45  | 79574  | 38.95 | ng | 94     |
| 17) 2-Methylphenol             | 8.55  | 107 | 51449  | 43.09 | ng | # 92   |
| 18) Hexachloroethane           | 9.21  | 117 | 22853  | 40.17 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.92  | 70  | 48646  | 38.38 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.88  | 107 | 73066  | 43.46 | ng | 90     |
| 22) Acetophenone               | 8.94  | 105 | 96540  | 41.71 | ng | # 91   |
| 24) Nitrobenzene               | 9.32  | 77  | 77293  | 43.07 | ng | 90     |
| 25) Isophorone                 | 9.85  | 82  | 137972 | 38.90 | ng | # 97   |
| 26) 2-Nitrophenol              | 10.03 | 139 | 34253  | 49.42 | ng | # 71   |
| 27) 2,4-Dimethylphenol         | 10.09 | 122 | 59499  | 41.22 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 71050  | 40.99 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.57 | 162 | 63748  | 43.23 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.79 | 180 | 69730  | 41.84 | ng | 98     |
| 31) Naphthalene                | 10.98 | 128 | 190034 | 42.01 | ng | 99     |
| 32) Benzoic acid               | 10.22 | 122 | 49315  | 50.36 | ng | 93     |
| 33) 4-Chloroaniline            | 11.08 | 127 | 81502  | 40.89 | ng | # 93   |
| 34) Hexachlorobutadiene        | 11.26 | 225 | 50651  | 41.20 | ng | 98     |
| 35) Caprolactam                | 11.86 | 113 | 21280  | 38.77 | ng | # 74   |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107 | 75557  | 41.14 | ng | 94     |
| 37) 2-Methylnaphthalene        | 12.57 | 142 | 134229 | 40.49 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 94751  | 41.95 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.92 | 237 | 43225  | 33.56 | ng | 99     |

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 ALS Vial : 2 Sample Multiplier: 1

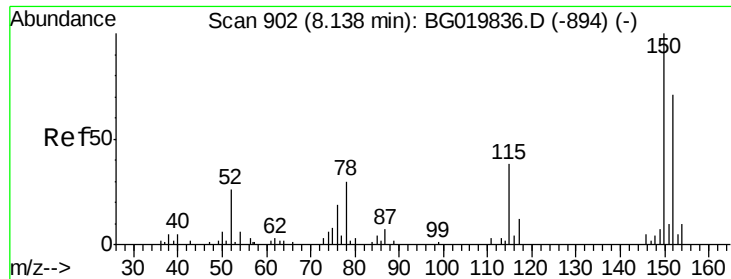
Instrument :  
 BNA\_G  
 ClientSampleId :  
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Quant Time: Dec 09 07:11:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
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 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.18 | 196  | 62112    | 41.54 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.25 | 196  | 67576    | 42.76 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 13.58 | 154  | 198050   | 40.55 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.62 | 162  | 157081   | 41.72 | ng    | 95       |
| 47) 2-Nitroaniline             | 13.82 | 65   | 53735    | 45.19 | ng    | 90       |
| 48) Acenaphthylene             | 14.46 | 152  | 259776   | 40.51 | ng    | 100      |
| 49) Dimethylphthalate          | 14.19 | 163  | 205555   | 38.39 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.31 | 165  | 44889    | 44.59 | ng    | # 78     |
| 51) Acenaphthene               | 14.81 | 154  | 156901   | 40.32 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.64 | 138  | 45869    | 43.86 | ng    | # 96     |
| 53) 2,4-Dinitrophenol          | 14.84 | 184  | 14085    | 32.51 | ng    | # 77     |
| 54) Dibenzofuran               | 15.14 | 168  | 233370   | 40.31 | ng    | 95       |
| 55) 4-Nitrophenol              | 14.93 | 139  | 37679    | 41.37 | ng    | # 70     |
| 56) 2,4-Dinitrotoluene         | 15.09 | 165  | 64437    | 45.88 | ng    | # 87     |
| 57) Fluorene                   | 15.79 | 166  | 203622   | 39.30 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 61590    | 42.11 | ng    | 95       |
| 59) Diethylphthalate           | 15.55 | 149  | 213794   | 36.90 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204  | 115831   | 38.93 | ng    | 99       |
| 61) 4-Nitroaniline             | 15.80 | 138  | 50288    | 42.75 | ng    | # 76     |
| 62) Azobenzene                 | 16.07 | 77   | 182499   | 37.85 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 32089    | 39.00 | ng    | 91       |
| 65) n-Nitrosodiphenylamine     | 15.99 | 169  | 178942   | 40.80 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.67 | 248  | 77733    | 41.27 | ng    | 95       |
| 67) Hexachlorobenzene          | 16.79 | 284  | 80996    | 41.29 | ng    | 98       |
| 68) Atrazine                   | 16.93 | 200  | 74001    | 38.83 | ng    | 95       |
| 69) Pentachlorophenol          | 17.13 | 266  | 48886    | 42.69 | ng    | 90       |
| 70) Phenanthrene               | 17.53 | 178  | 346249   | 40.38 | ng    | 97       |
| 71) Anthracene                 | 17.61 | 178  | 354976   | 40.64 | ng    | 97       |
| 72) Carbazole                  | 17.88 | 167  | 307361   | 39.95 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.44 | 149  | 380022   | 40.29 | ng    | 98       |
| 74) Fluoranthene               | 19.52 | 202  | 449819   | 41.01 | ng    | 93       |
| 76) Benzidine                  | 19.71 | 184  | 210369   | 33.79 | ng    | 97       |
| 77) Pyrene                     | 19.89 | 202  | 455234   | 40.82 | ng    | 95       |
| 79) Butylbenzylphthalate       | 20.77 | 149  | 178188   | 40.77 | ng    | 96       |
| 80) Benzo(a)anthracene         | 21.74 | 228  | 459345   | 39.59 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 167984   | 38.01 | ng    | 99       |
| 82) Chrysene                   | 21.80 | 228  | 444656   | 40.36 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 254972   | 39.75 | ng    | # 96     |
| 84) Di-n-octyl phthalate       | 22.87 | 149  | 438867   | 42.08 | ng    | # 95     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.78 | 276  | 521751   | 42.99 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.99 | 252  | 443528   | 39.79 | ng    | # 93     |
| 88) Benzo(k)fluoranthene       | 24.07 | 252  | 446515   | 40.45 | ng    | # 95     |
| 89) Benzo(a)pyrene             | 24.88 | 252  | 430575   | 40.69 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 28.85 | 278  | 428239   | 40.96 | ng    | # 93     |
| 91) Benzo(g,h,i)perylene       | 29.96 | 276  | 425864   | 41.48 | ng    | # 92     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

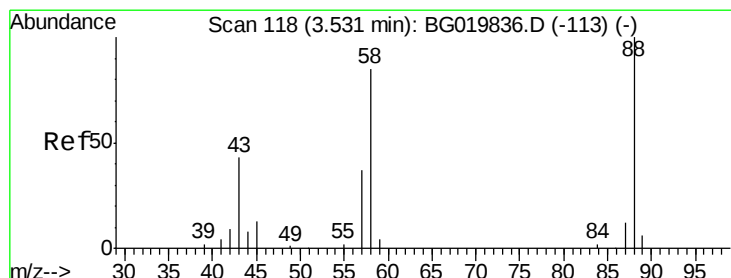
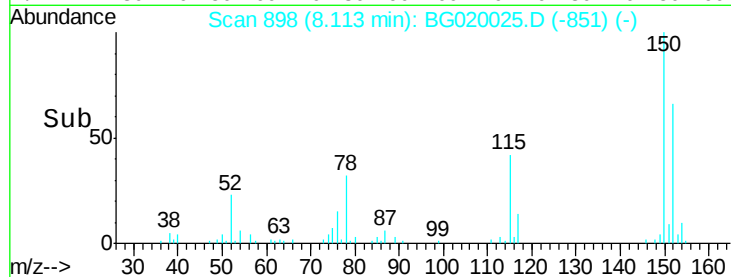
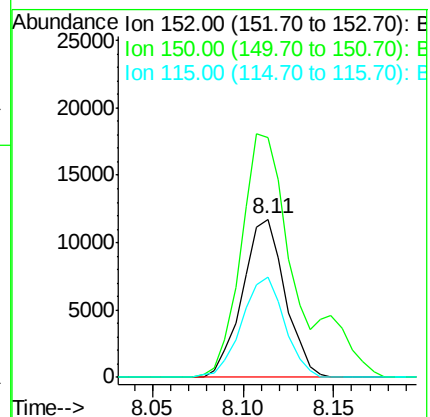
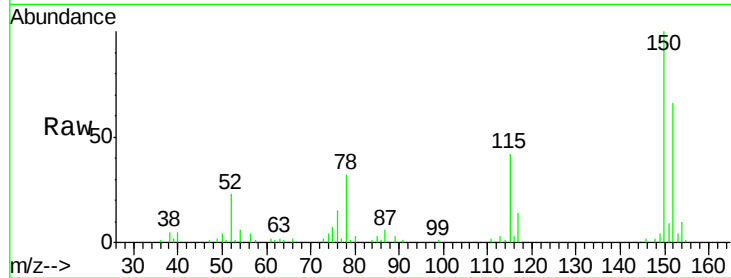
Tgt Ion:152 Resp: 19237

Ion Ratio Lower Upper

152 100

150 151.5 115.0 172.4

115 63.5 43.9 65.9



#2

1,4-Dioxane

Concen: 42.47 ng

RT: 3.52 min Scan# 117

Delta R.T. -0.01 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

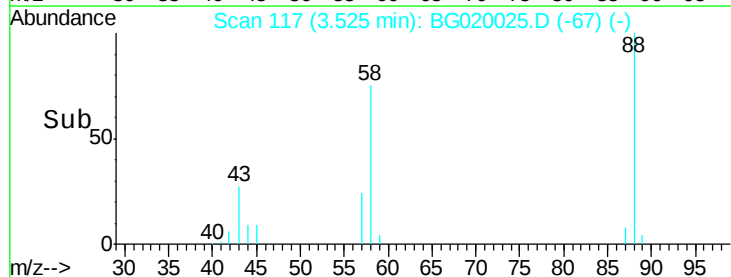
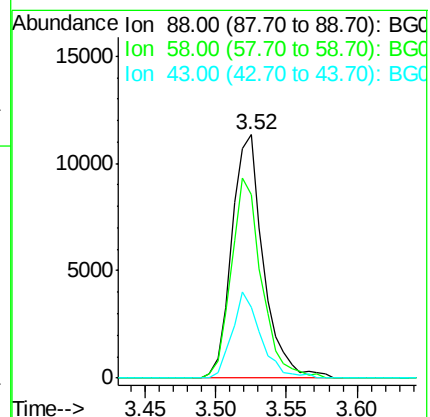
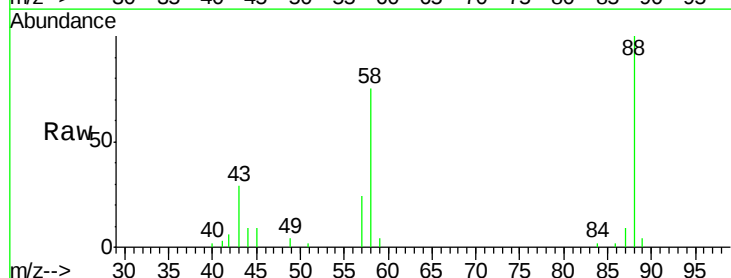
Tgt Ion: 88 Resp: 17610

Ion Ratio Lower Upper

88 100

58 78.9 0.0 0.0#

43 32.3 0.0 0.0#





#3

Pyridine

Concen: 43.37 ng

RT: 3.92 min Scan# 185

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

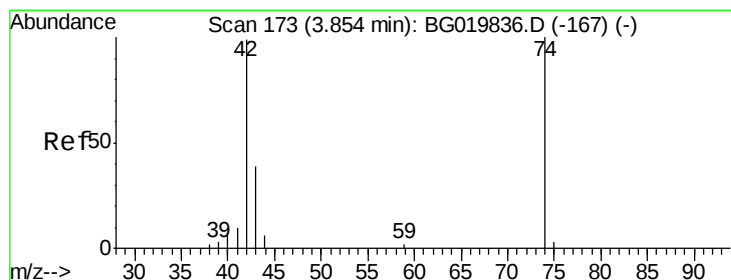
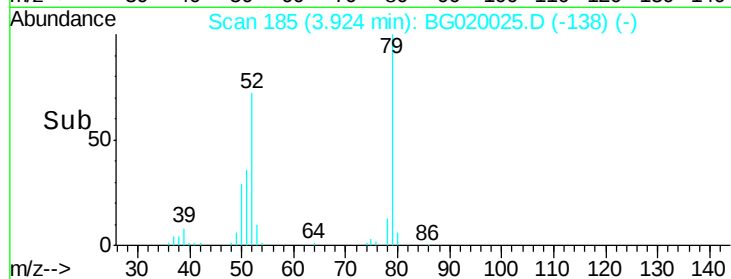
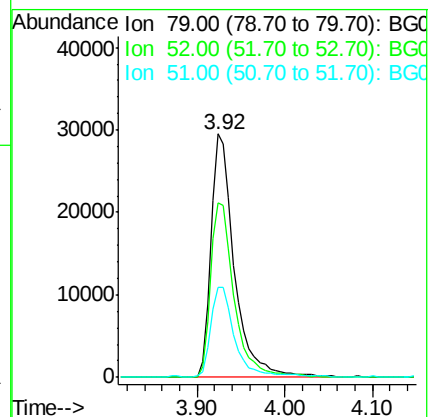
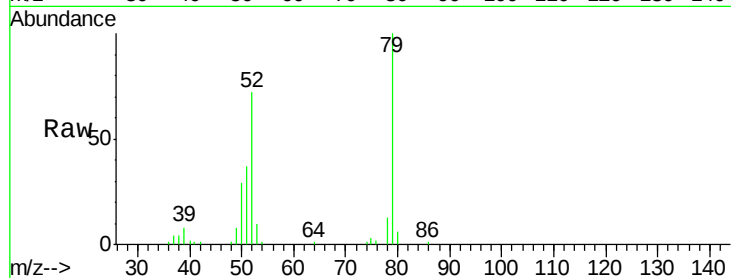
Tgt Ion: 79 Resp: 54611

Ion Ratio Lower Upper

79 100

52 71.8 50.3 75.5

51 36.9 24.8 37.2



#4

n-Nitrosodimethylamine

Concen: 37.17 ng

RT: 3.84 min Scan# 171

Delta R.T. -0.01 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

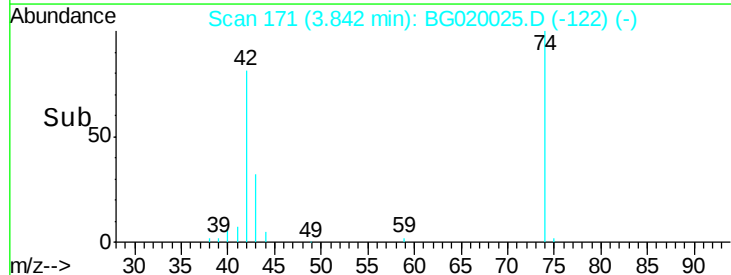
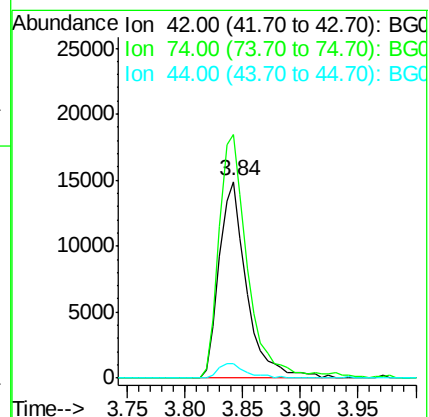
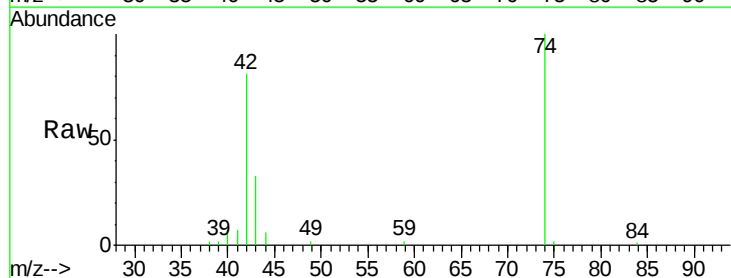
Tgt Ion: 42 Resp: 24616

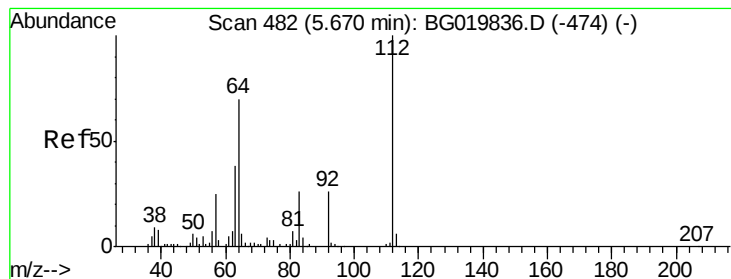
Ion Ratio Lower Upper

42 100

74 123.8 113.9 170.9

44 7.2 5.7 8.5





#5

2-Fluorophenol

Concen: 89.94 ng

RT: 5.65 min Scan# 479

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

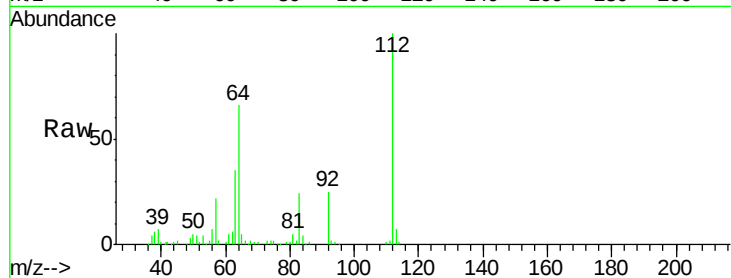
Tgt Ion: 112 Resp: 95725

Ion Ratio Lower Upper

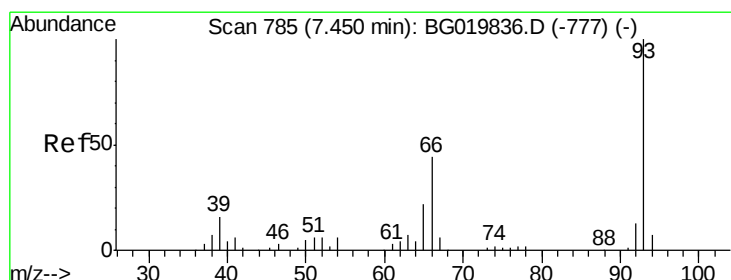
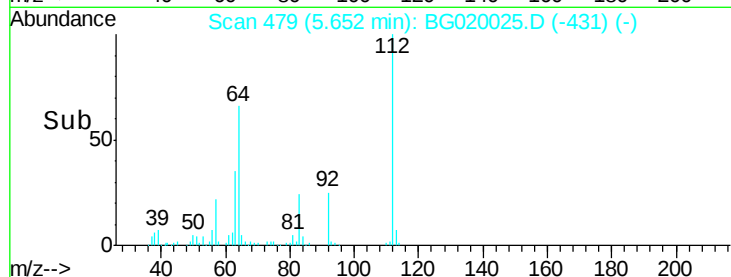
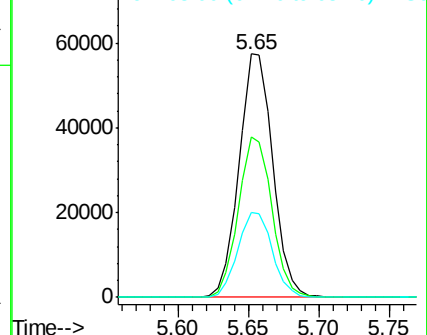
112 100

64 65.8 43.7 65.5#

63 35.1 24.0 36.0



Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 43.10 ng

RT: 7.43 min Scan# 782

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

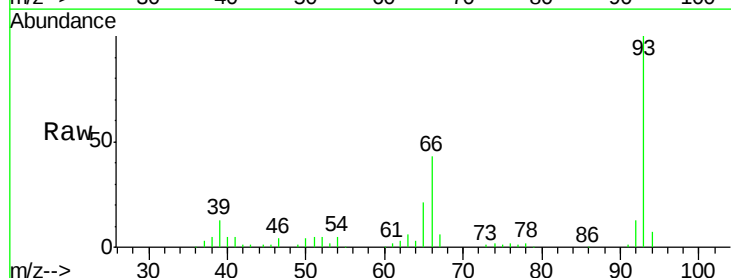
Tgt Ion: 93 Resp: 89686

Ion Ratio Lower Upper

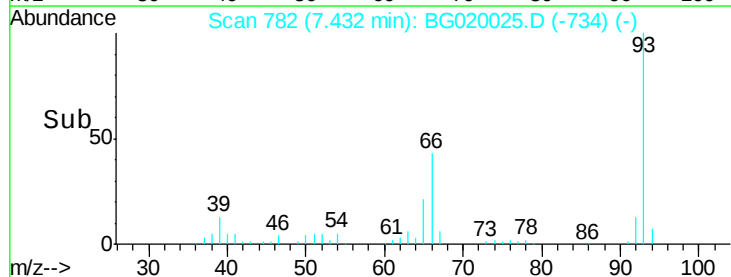
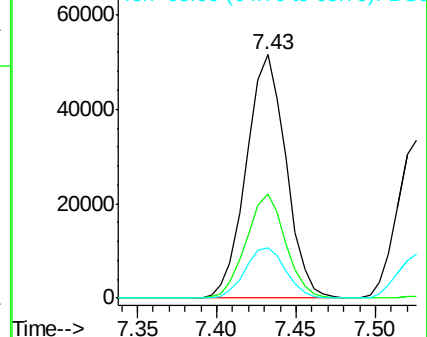
93 100

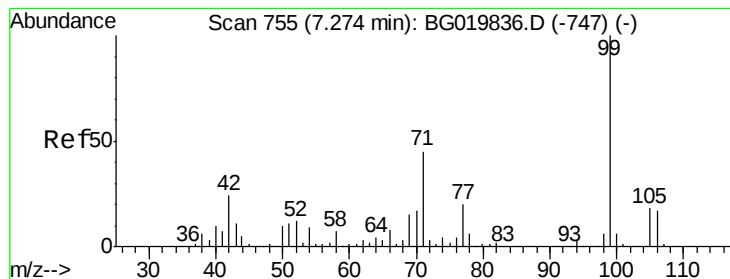
66 42.8 26.2 39.2#

65 20.6 14.0 21.0



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 89.99 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

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ClientSampleId :

SSTDCCC040

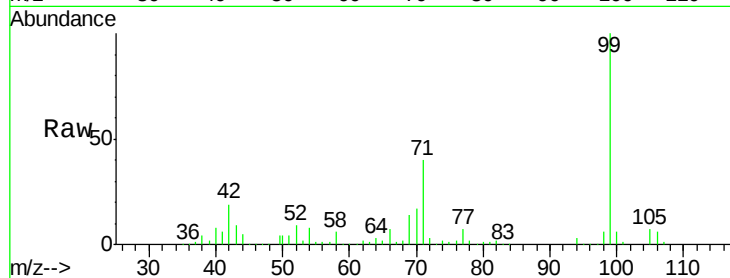
Tgt Ion: 99 Resp: 144610

Ion Ratio Lower Upper

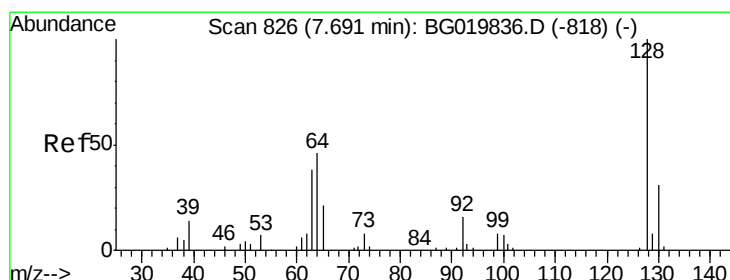
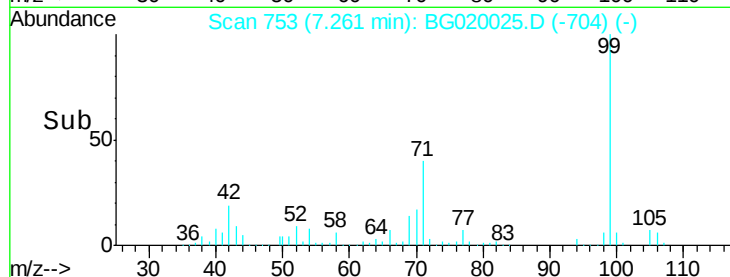
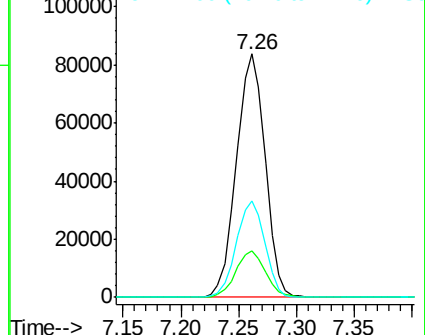
99 100

42 19.3 11.5 17.3#

71 39.6 22.6 34.0#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 44.35 ng

RT: 7.67 min Scan# 823

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

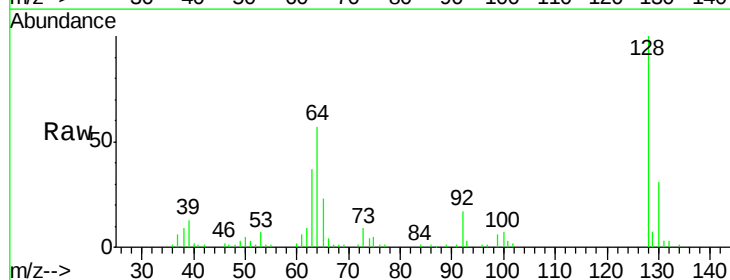
Tgt Ion: 128 Resp: 57555

Ion Ratio Lower Upper

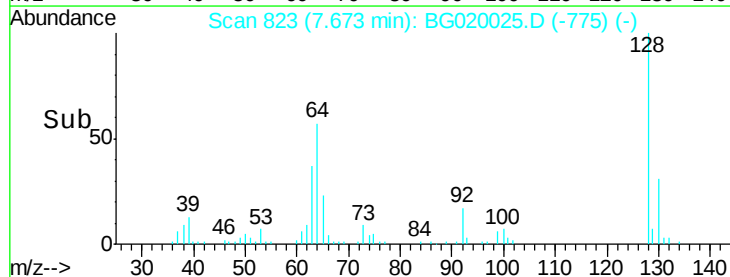
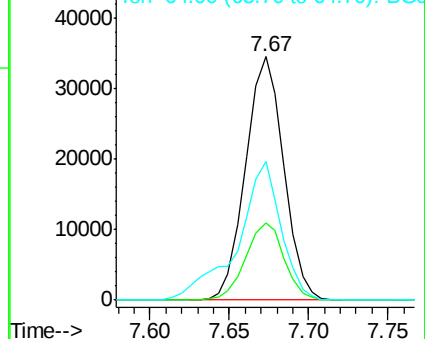
128 100

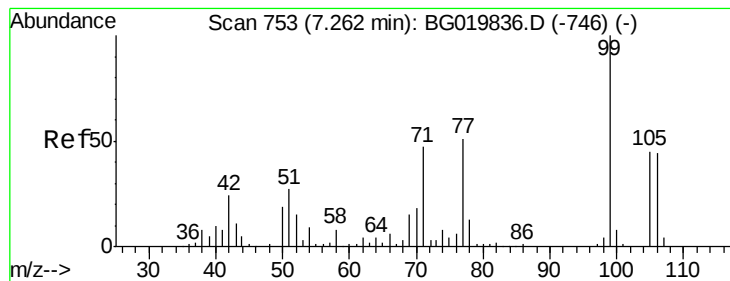
130 31.5 13.0 53.0

64 57.1 28.2 68.2



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 36.07 ng

RT: 7.24 min Scan# 750

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

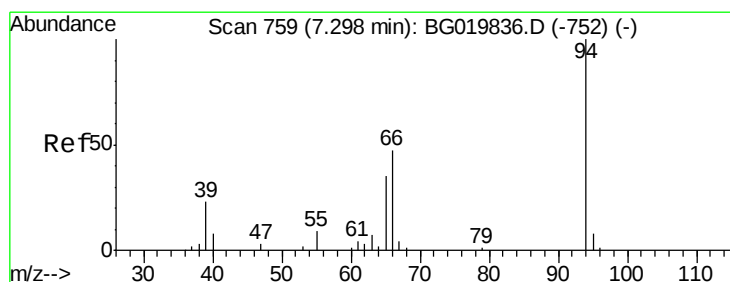
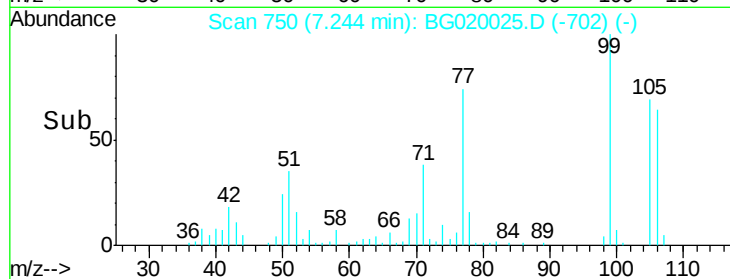
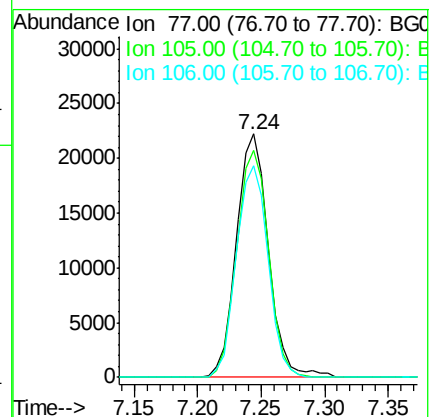
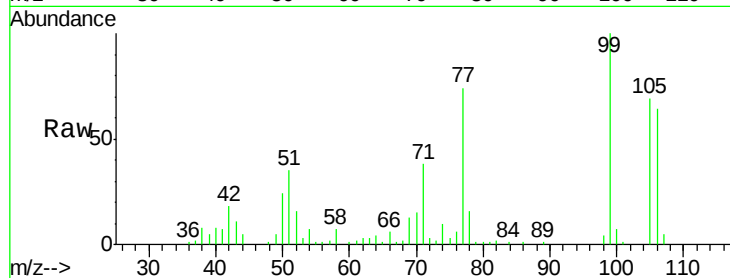
Tgt Ion: 77 Resp: 38653

Ion Ratio Lower Upper

77 100

105 93.1 77.7 117.7

106 87.2 75.8 115.8



#10

Phenol

Concen: 44.50 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

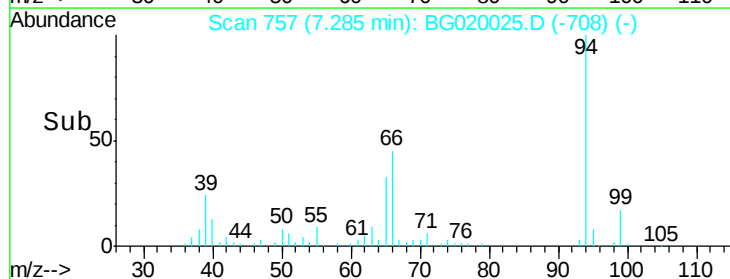
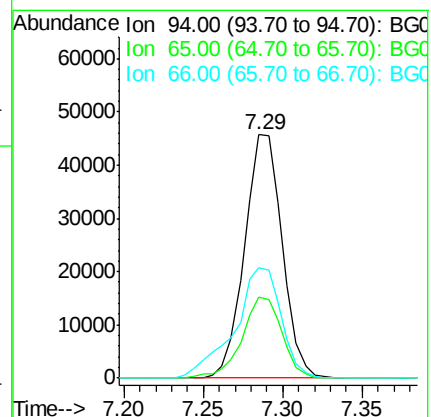
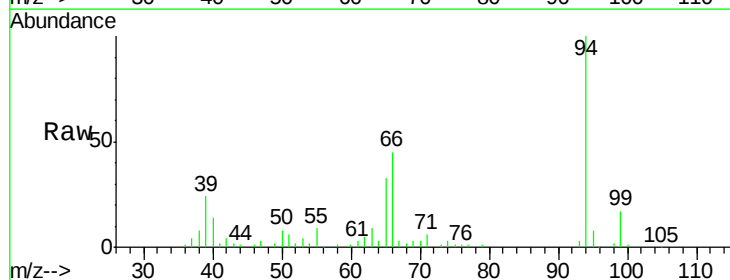
Tgt Ion: 94 Resp: 75264

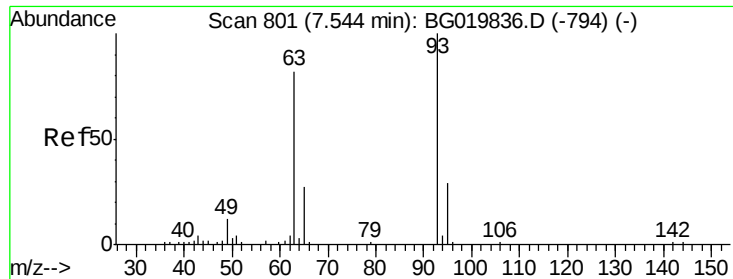
Ion Ratio Lower Upper

94 100

65 33.1 5.4 45.4

66 45.2 11.8 51.8

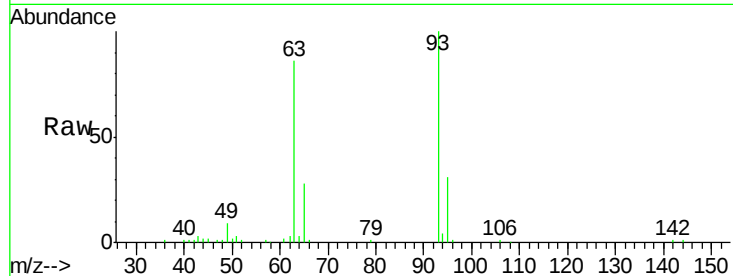




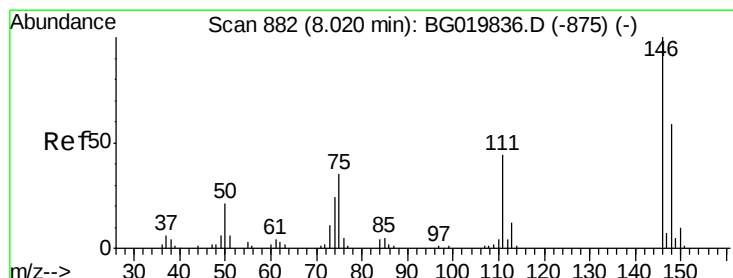
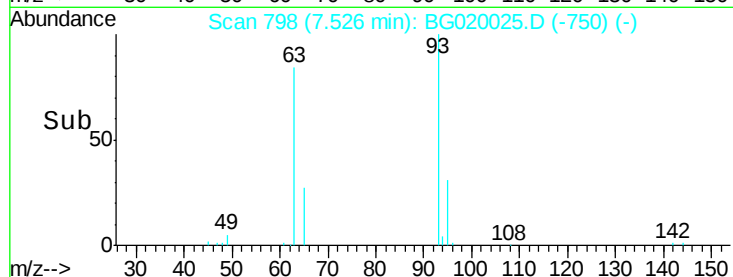
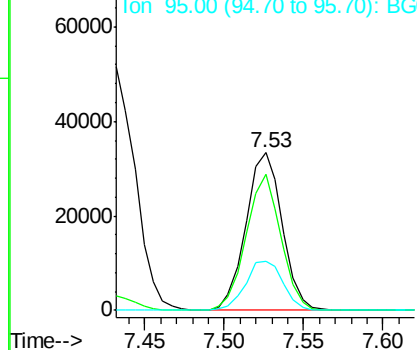
#11  
bis(2-Chloroethyl)ether  
Concen: 42.26 ng  
RT: 7.53 min Scan# 798  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 93 Resp: 52940  
Ion Ratio Lower Upper  
93 100  
63 86.3 50.5 90.5  
95 31.2 12.2 52.2

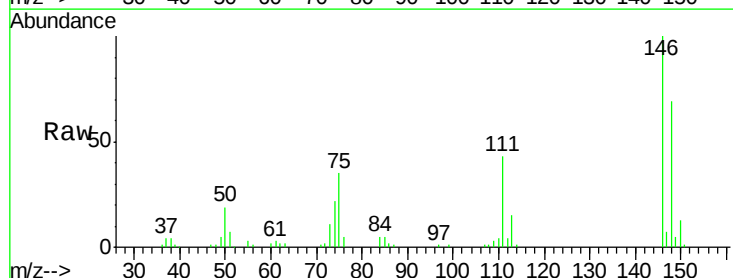


Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC

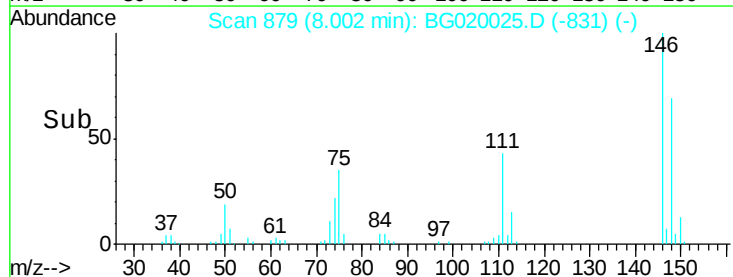
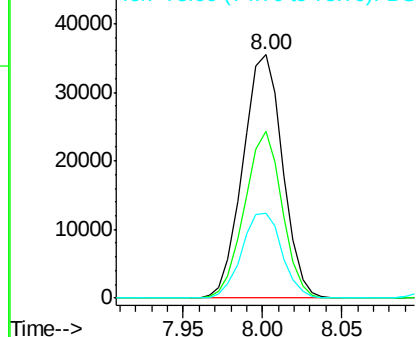


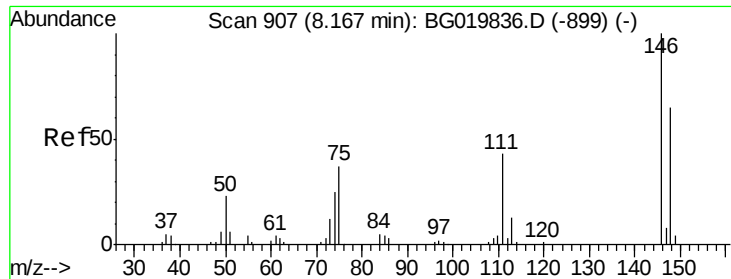
#12  
1,3-Dichlorobenzene  
Concen: 41.94 ng  
RT: 8.00 min Scan# 879  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion: 146 Resp: 61692  
Ion Ratio Lower Upper  
146 100  
148 68.7 53.4 80.0  
75 35.1 21.1 31.7#



Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC

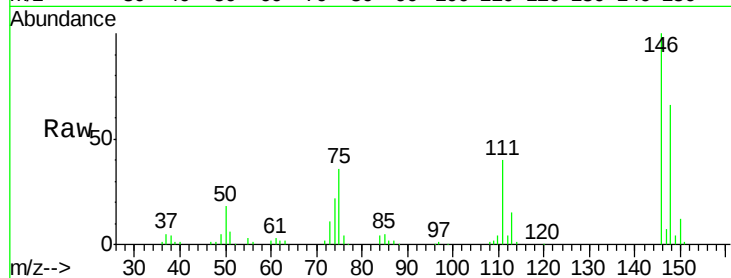




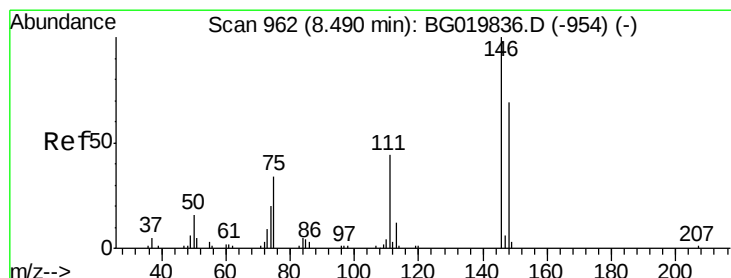
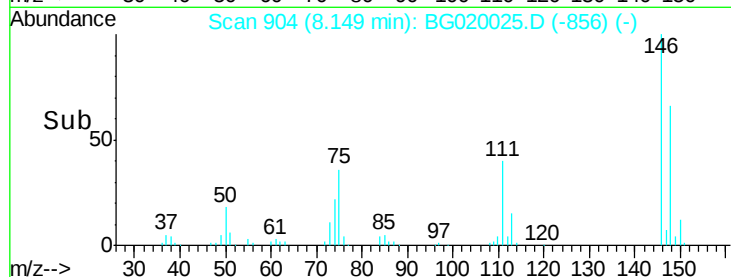
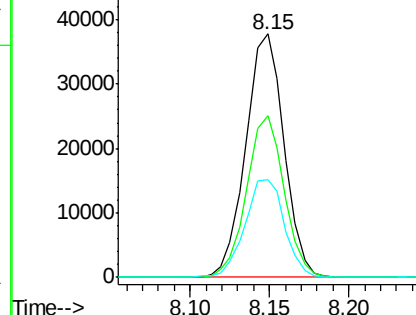
#13  
 1,4-Dichlorobenzene  
 Concen: 41.67 ng  
 RT: 8.15 min Scan# 904  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:146 Resp: 63309  
 Ion Ratio Lower Upper  
 146 100  
 148 66.2 52.5 78.7  
 111 40.1 28.3 42.5

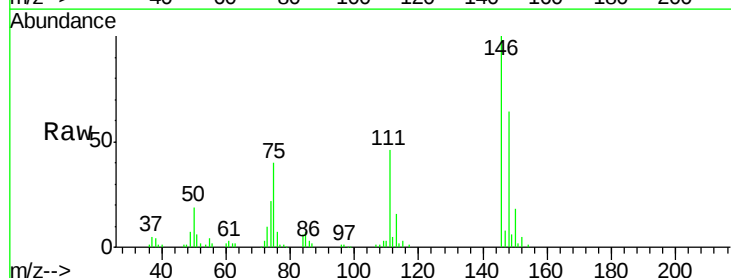


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

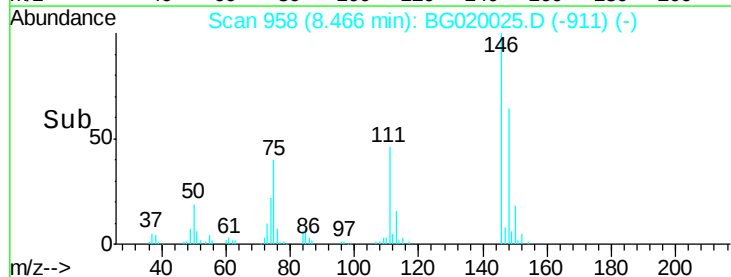
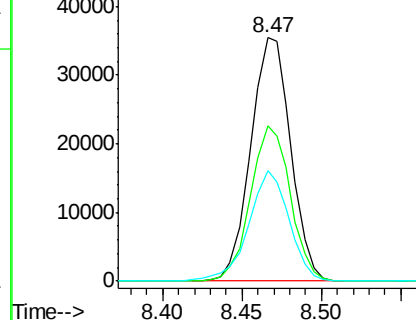


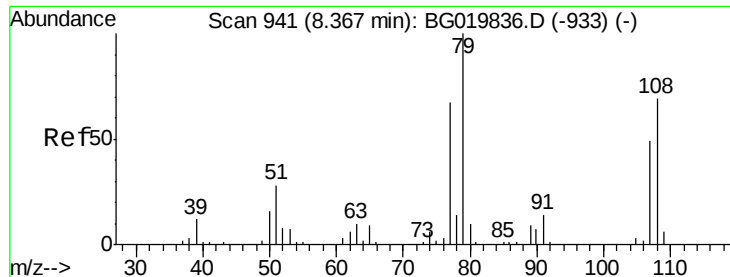
#14  
 1,2-Dichlorobenzene  
 Concen: 42.76 ng  
 RT: 8.47 min Scan# 958  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion:146 Resp: 61960  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 52.5 78.7  
 111 45.5 29.9 44.9#



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





#15

Benzyl Alcohol

Concen: 39.84 ng

RT: 8.35 min Scan# 938

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

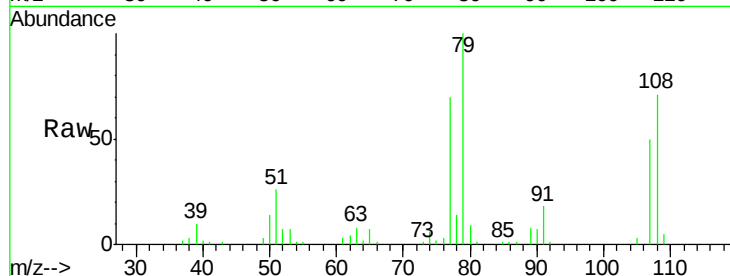
Tgt Ion: 79 Resp: 56178

Ion Ratio Lower Upper

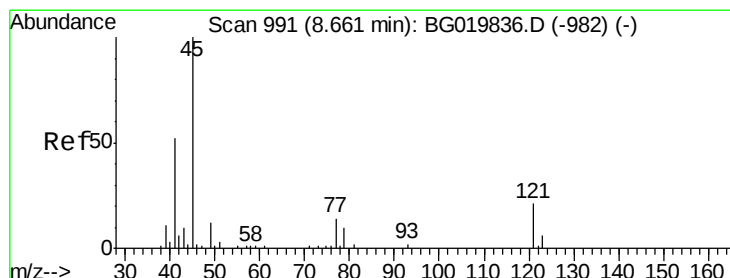
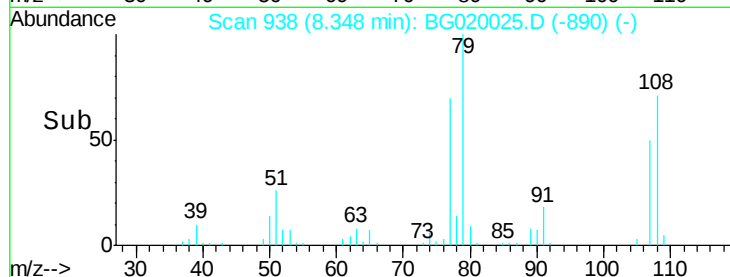
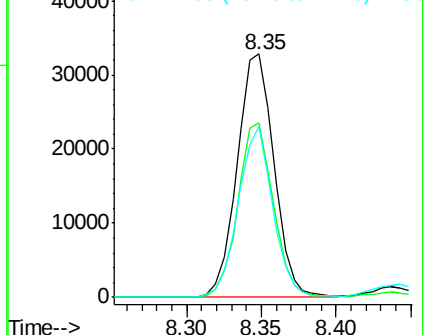
79 100

108 71.5 65.5 98.3

77 70.3 51.3 76.9



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.95 ng

RT: 8.64 min Scan# 988

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

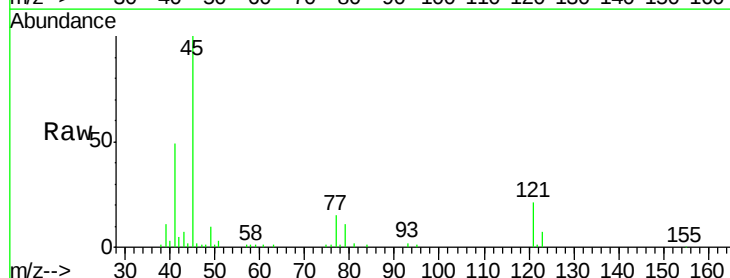
Tgt Ion: 45 Resp: 79574

Ion Ratio Lower Upper

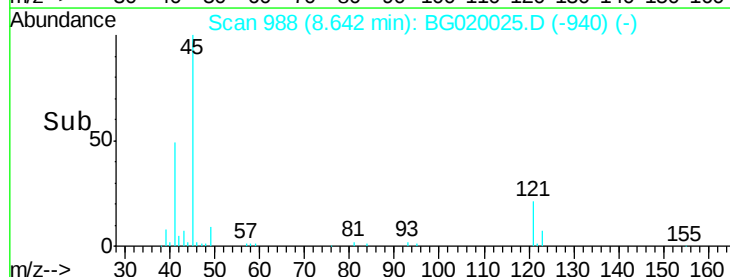
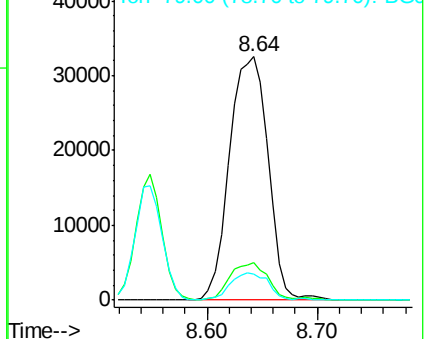
45 100

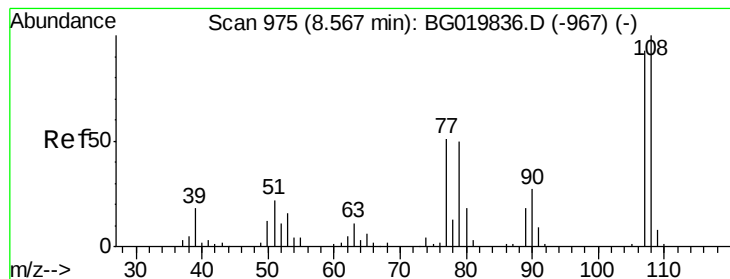
77 15.2 0.0 37.0

79 10.7 0.0 33.8



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 43.09 ng

RT: 8.55 min Scan# 972

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 51449

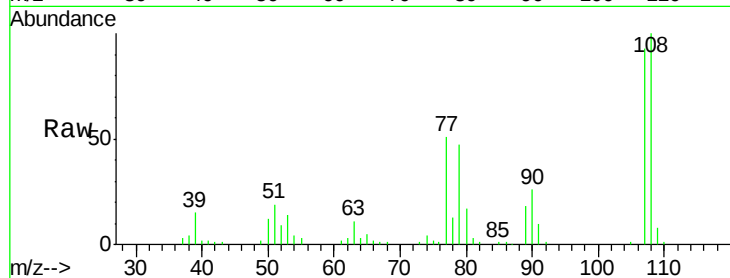
Ion Ratio Lower Upper

107 100

108 108.0 86.5 129.7

77 55.1 34.6 51.8#

79 50.5 32.3 48.5#

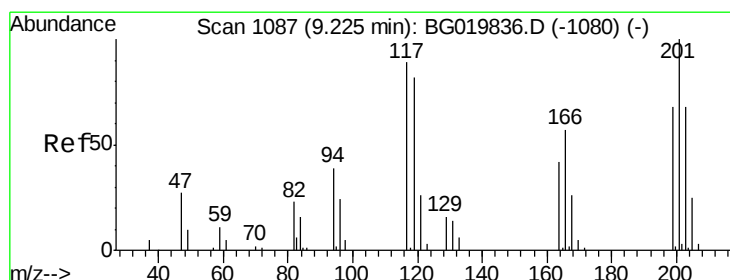
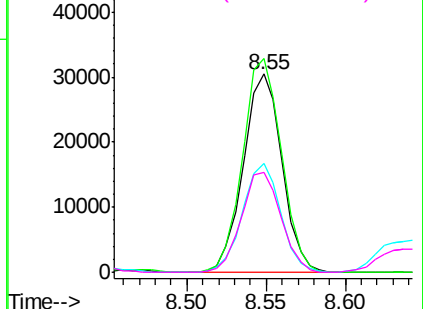
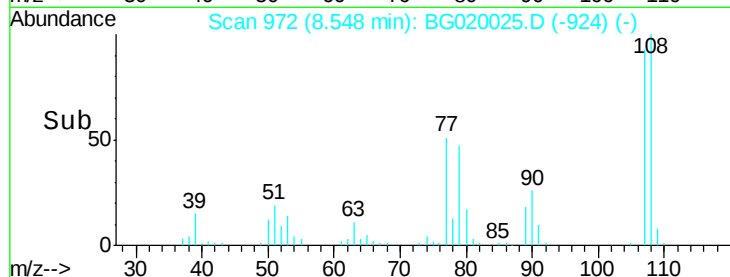


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 40.17 ng

RT: 9.21 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

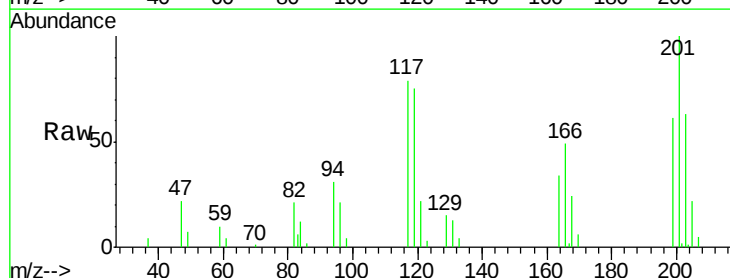
Tgt Ion:117 Resp: 22853

Ion Ratio Lower Upper

117 100

119 95.1 71.7 107.5

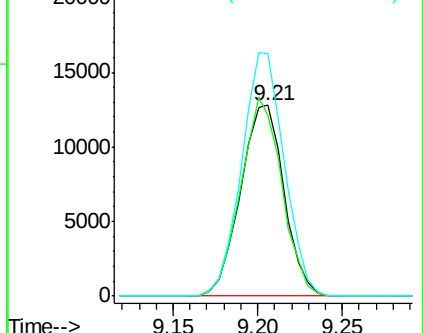
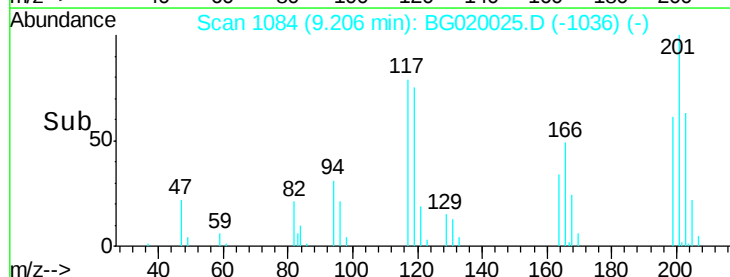
201 126.9 90.9 136.3

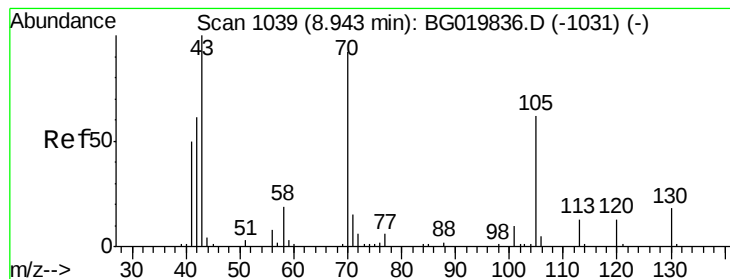


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 38.38 ng

RT: 8.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 48646

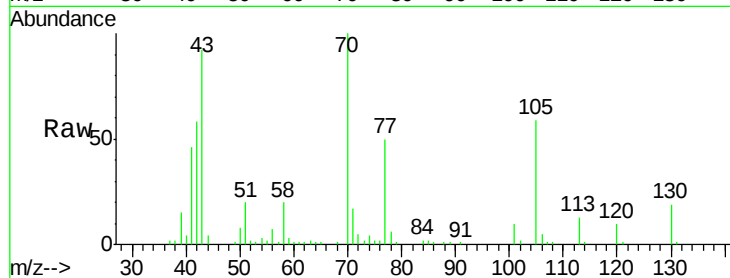
Ion Ratio Lower Upper

70 100

42 58.1 40.6 60.8

101 10.0 8.6 13.0

130 19.3 17.0 25.6

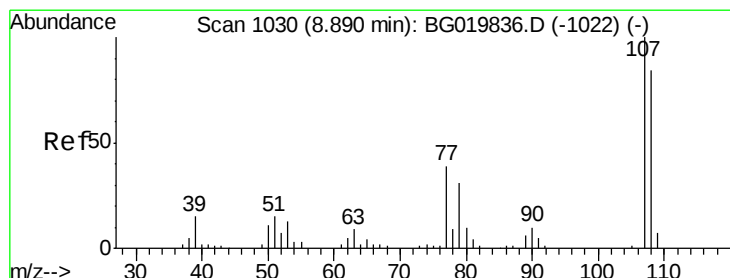
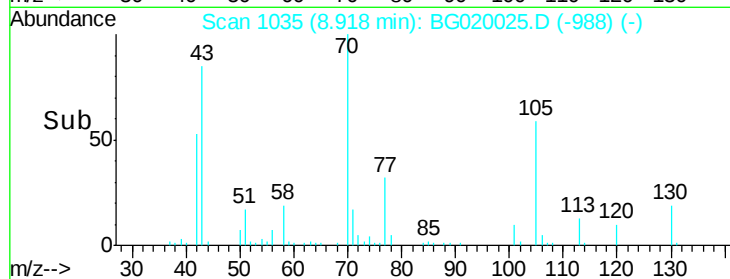
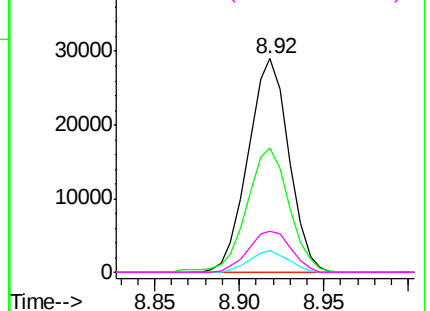


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 43.46 ng

RT: 8.88 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Tgt Ion: 107 Resp: 73066

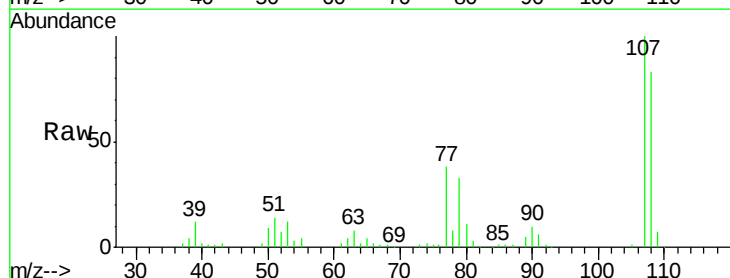
Ion Ratio Lower Upper

107 100

108 83.1 72.2 112.2

77 38.2 13.4 53.4

79 33.2 7.2 47.2

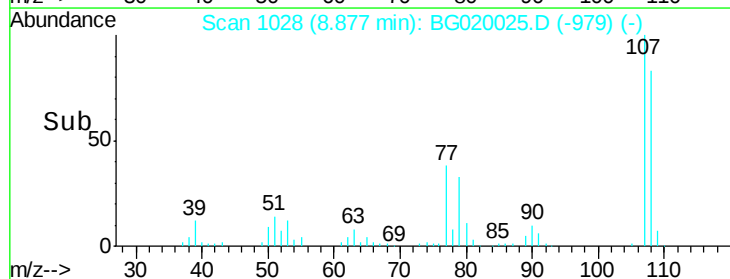
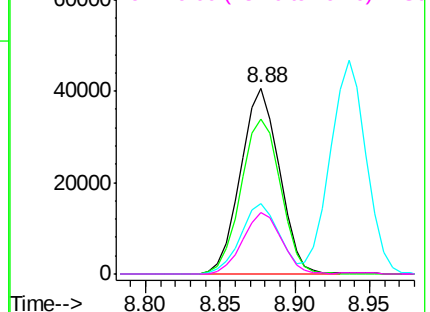


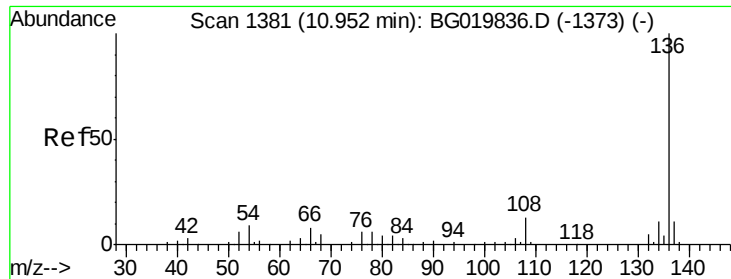
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

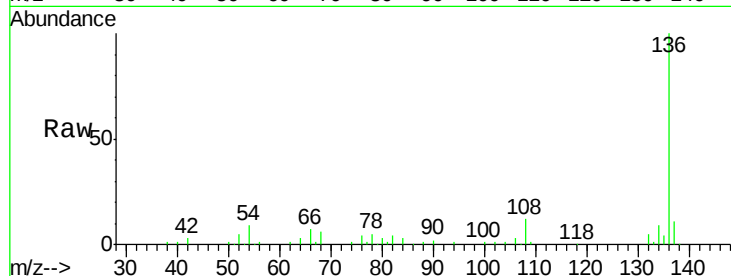




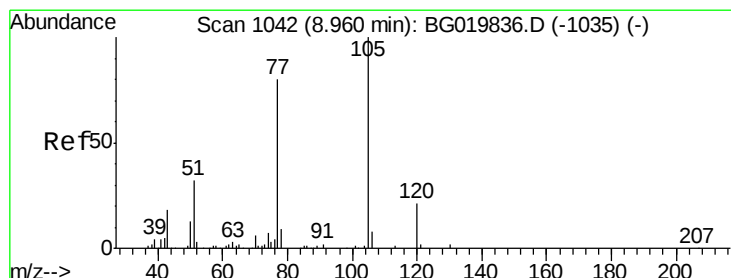
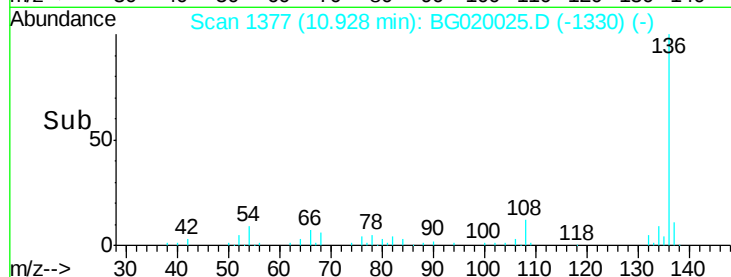
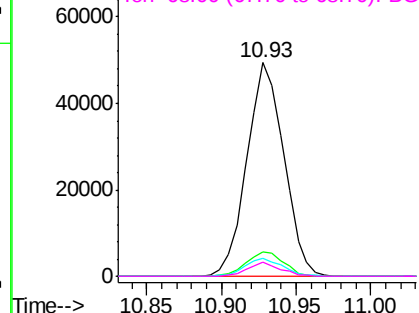
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1377  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 84442 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 8.6   | 12.8  |
| 54       | 8.6   | 5.4   | 8.2#  |
| 68       | 6.3   | 5.3   | 7.9   |

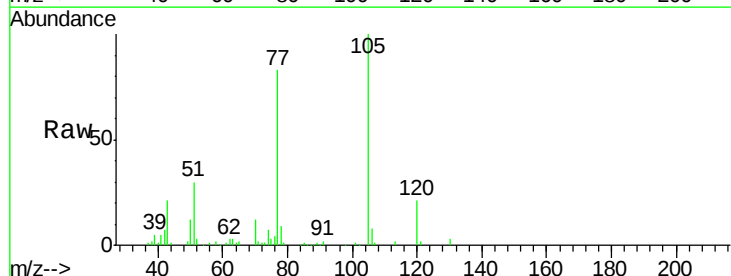


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

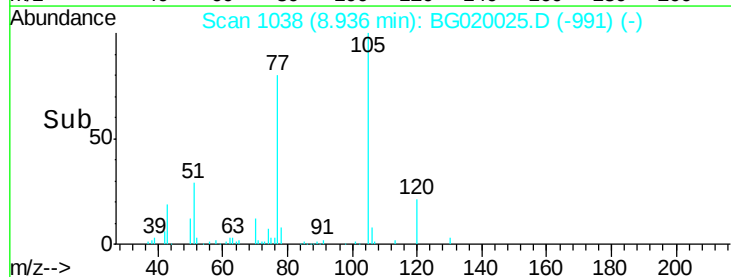
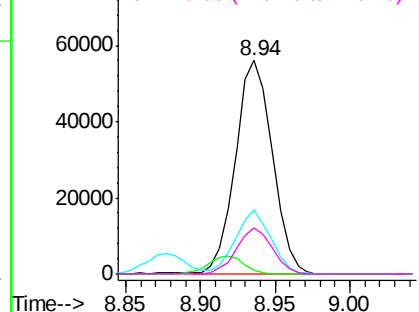


#22  
Acetophenone  
Concen: 41.71 ng  
RT: 8.94 min Scan# 1038  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 96540 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 1.9   | 2.1   | 3.1#  |
| 51       | 30.1  | 17.8  | 26.8# |
| 120      | 21.4  | 17.7  | 26.5  |



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

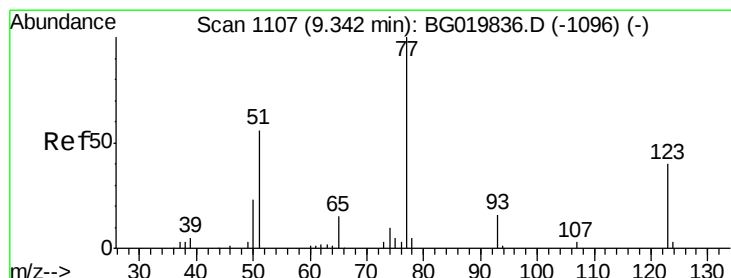
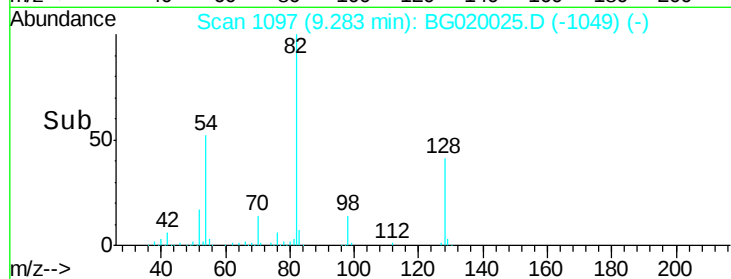
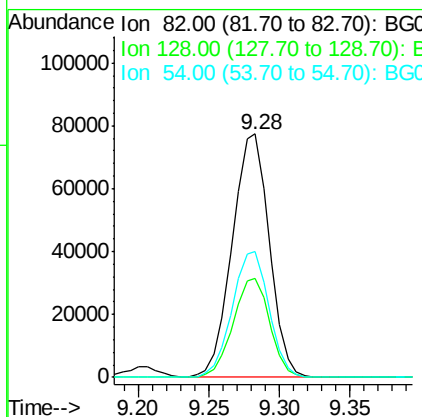
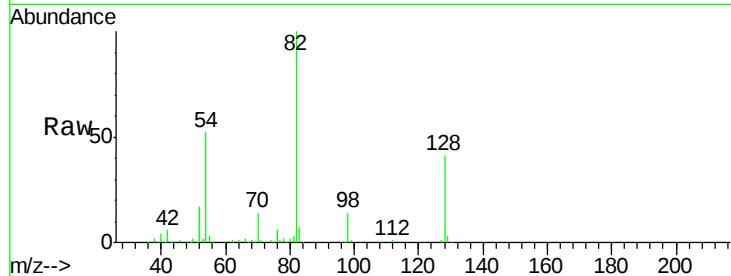




#23  
 Nitrobenzene-d5  
 Concen: 85.80 ng  
 RT: 9.28 min Scan# 1097  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

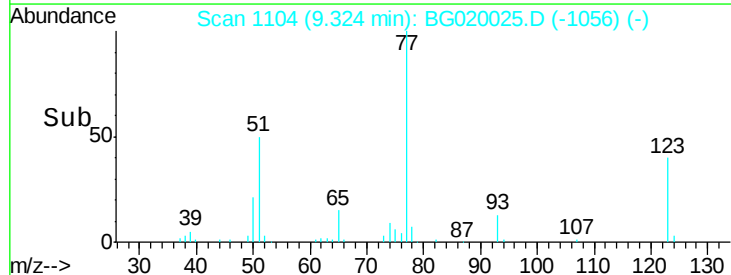
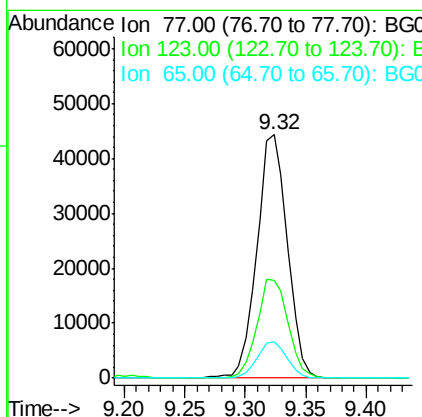
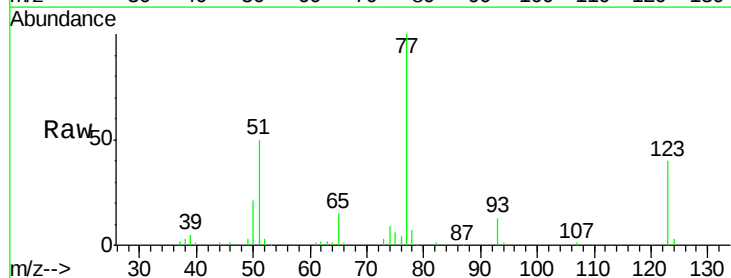
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 82 Resp: 141969  
 Ion Ratio Lower Upper  
 82 100  
 128 40.8 36.7 55.1  
 54 51.7 33.8 50.8#



#24  
 Nitrobenzene  
 Concen: 43.07 ng  
 RT: 9.32 min Scan# 1104  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion: 77 Resp: 77293  
 Ion Ratio Lower Upper  
 77 100  
 123 40.2 38.2 57.2  
 65 14.8 10.6 16.0

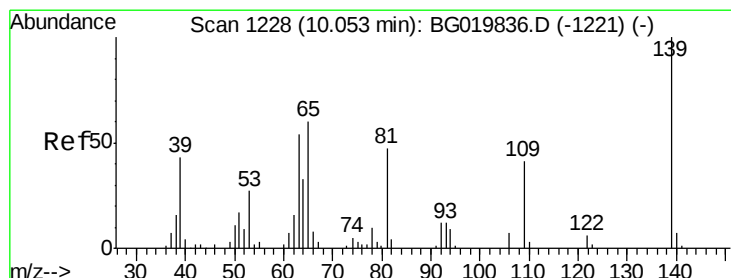
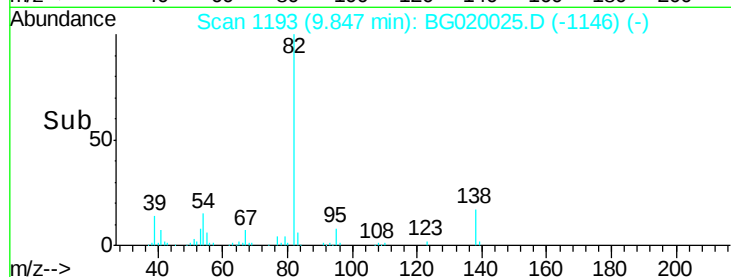
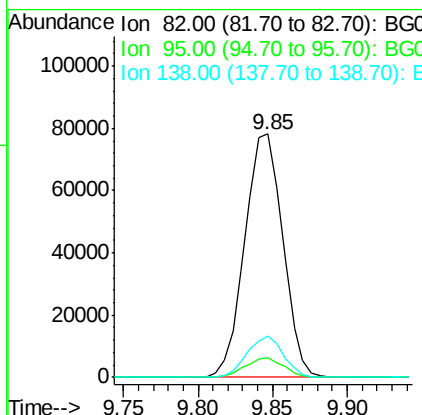
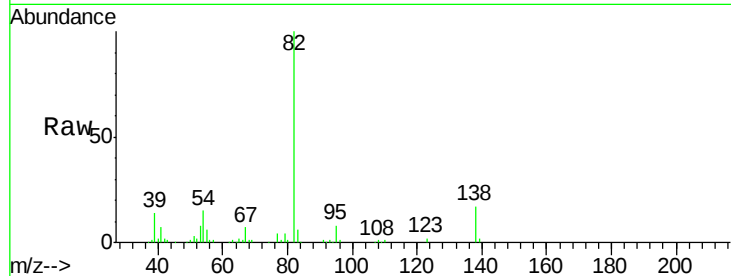




#25  
Isophorone  
Concen: 38.90 ng  
RT: 9.85 min Scan# 1193  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

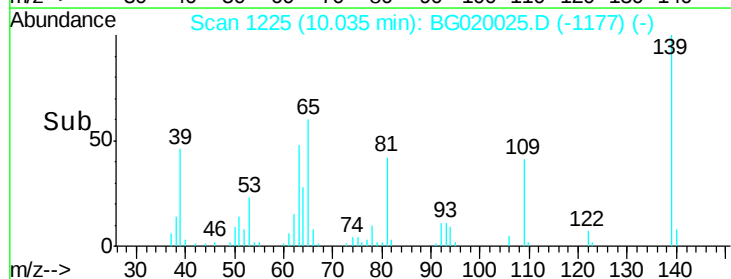
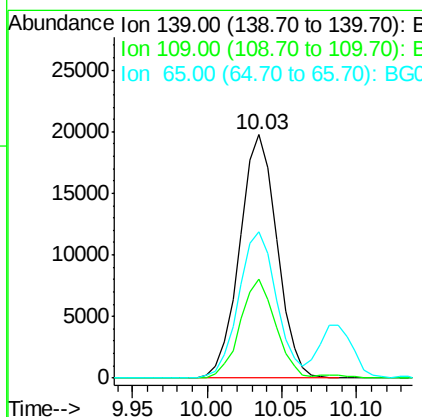
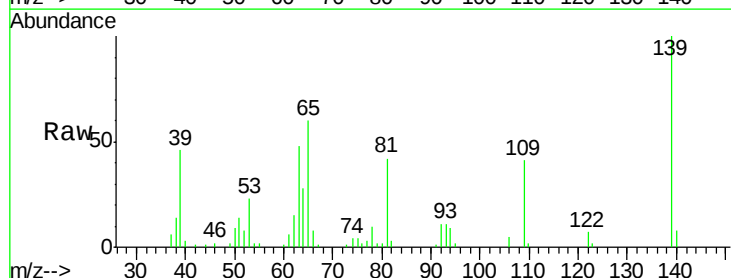
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 82 Resp: 137972  
Ion Ratio Lower Upper  
82 100  
95 8.2 5.2 7.8#  
138 17.1 14.4 21.6



#26  
2-Nitrophenol  
Concen: 49.42 ng  
RT: 10.03 min Scan# 1225  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion: 139 Resp: 34253  
Ion Ratio Lower Upper  
139 100  
109 40.8 20.1 30.1#  
65 60.2 34.1 51.1#

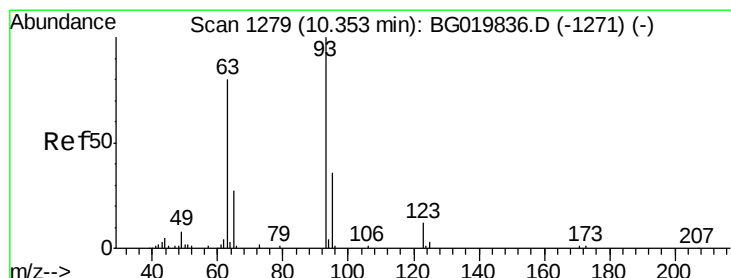
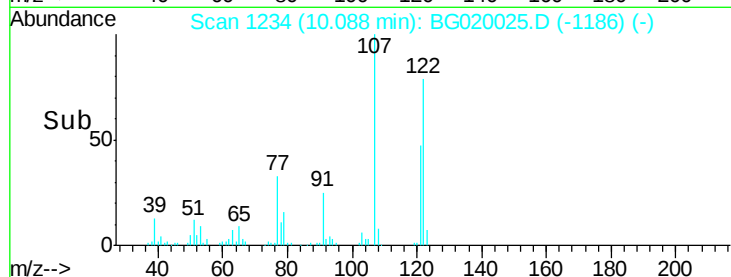
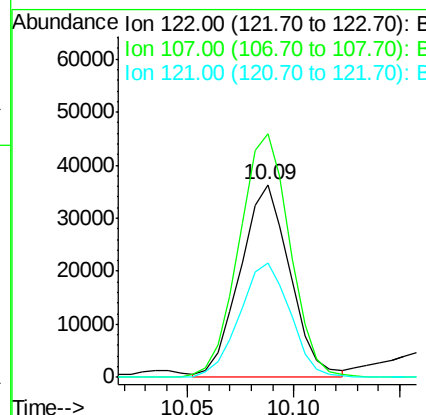
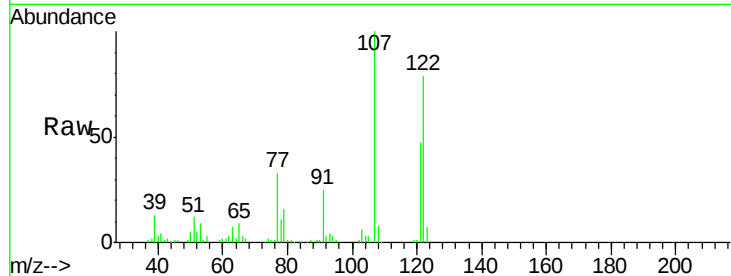




#27  
 2,4-Dimethylphenol  
 Concen: 41.22 ng  
 RT: 10.09 min Scan# 1234  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

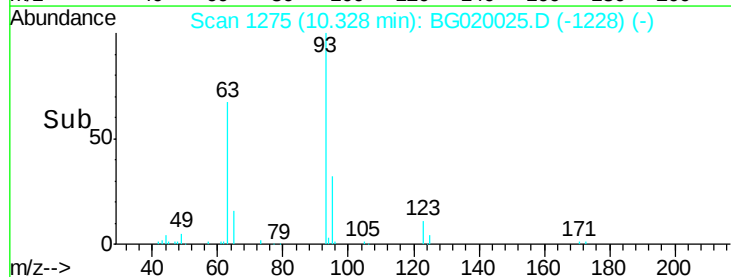
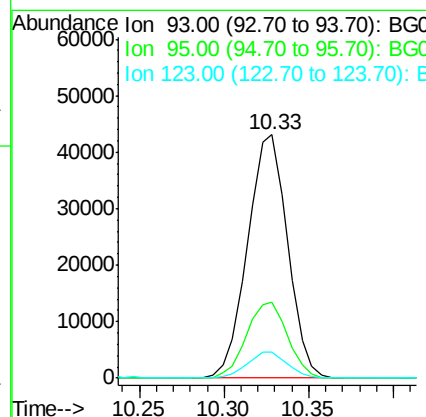
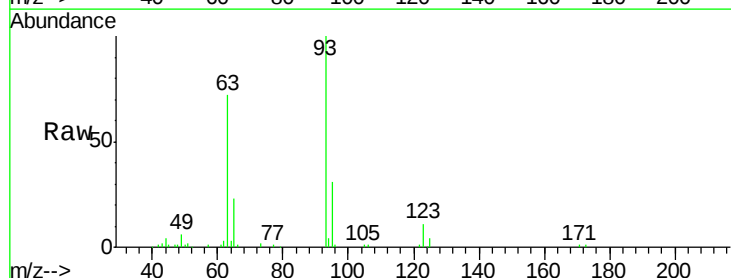
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

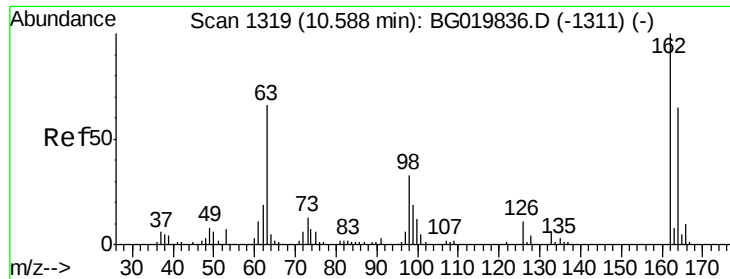
Tgt Ion:122 Resp: 59499  
 Ion Ratio Lower Upper  
 122 100  
 107 126.6 91.6 137.4  
 121 59.7 47.3 70.9



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.99 ng  
 RT: 10.33 min Scan# 1275  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion: 93 Resp: 71050  
 Ion Ratio Lower Upper  
 93 100  
 95 31.2 25.7 38.5  
 123 10.8 8.6 12.8

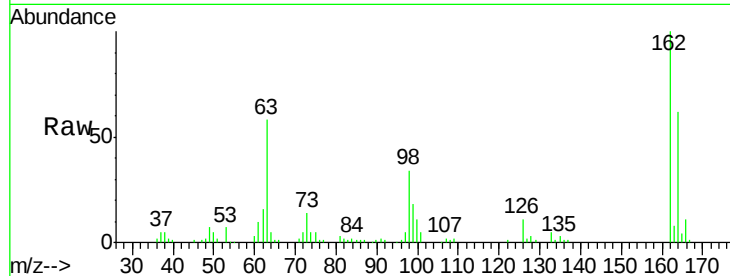




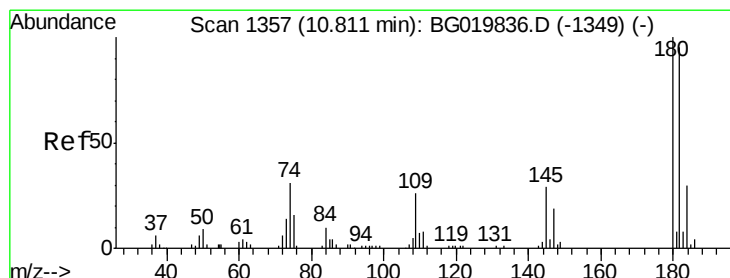
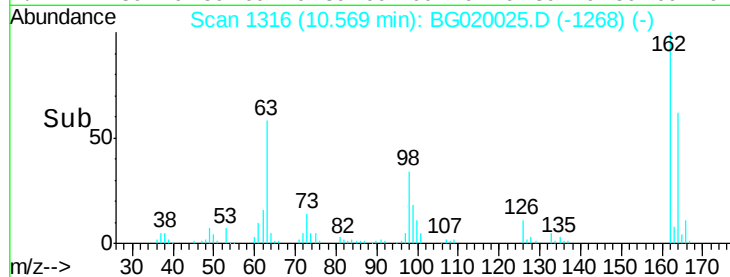
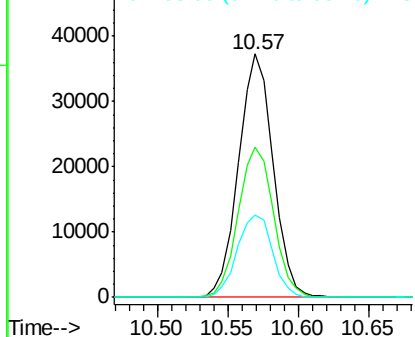
#29  
 2,4-Dichlorophenol  
 Concen: 43.23 ng  
 RT: 10.57 min Scan# 1316  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.8  | 42.3  | 82.3  |
| 98      | 33.6  | 11.5  | 51.5  |

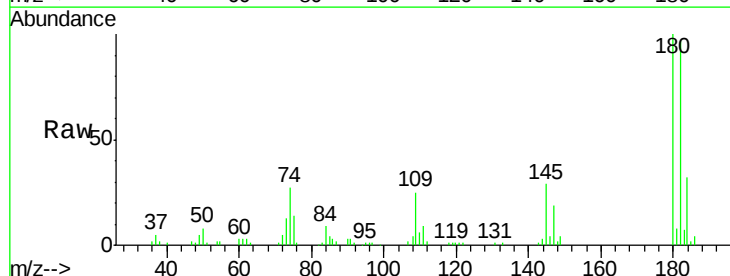


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): B

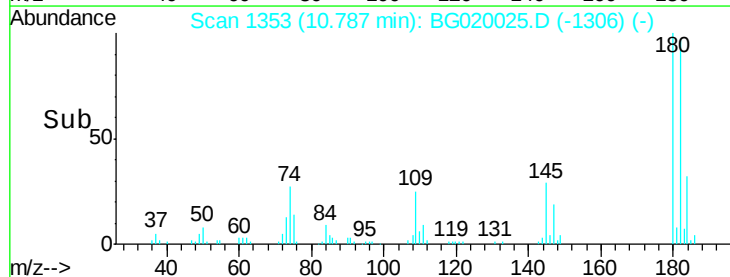
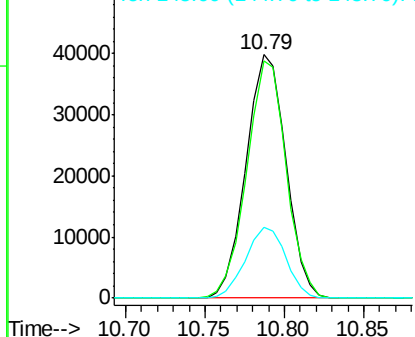


#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.84 ng  
 RT: 10.79 min Scan# 1353  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.3  | 79.7  | 119.5 |
| 145     | 29.2  | 22.0  | 33.0  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

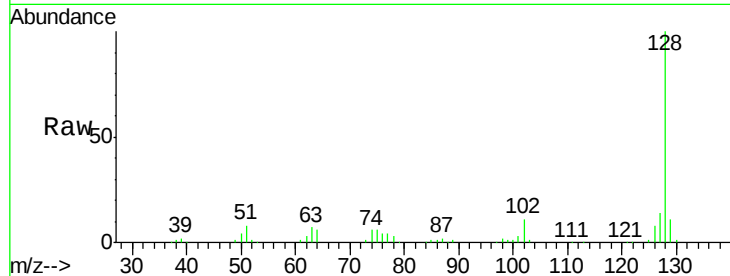




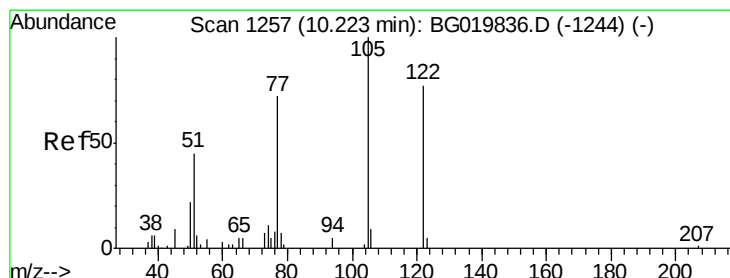
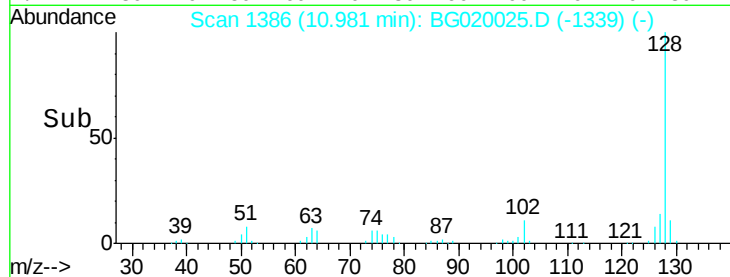
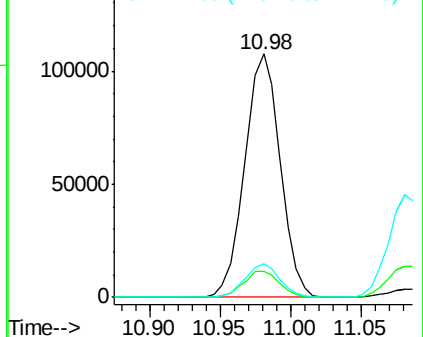
#31  
Naphthalene  
Concen: 42.01 ng  
RT: 10.98 min Scan# 1386  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:128 Resp: 190034  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.5 12.7  
127 13.7 10.6 16.0

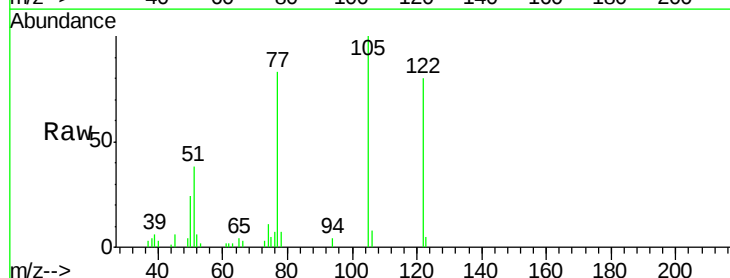


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

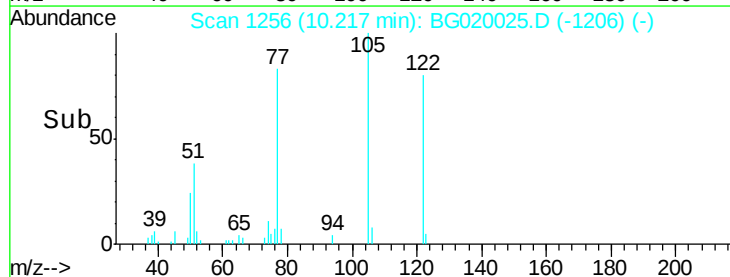
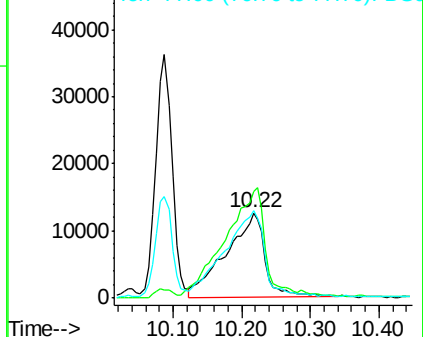


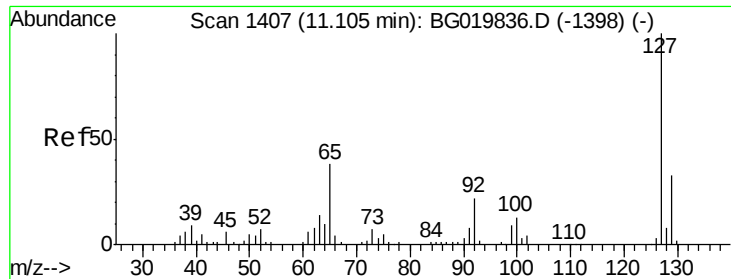
#32  
Benzoic acid  
Concen: 50.36 ng  
RT: 10.22 min Scan# 1256  
Delta R.T. -0.01 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:122 Resp: 49315  
Ion Ratio Lower Upper  
122 100  
105 125.2 103.8 143.8  
77 103.7 68.8 108.8



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BG

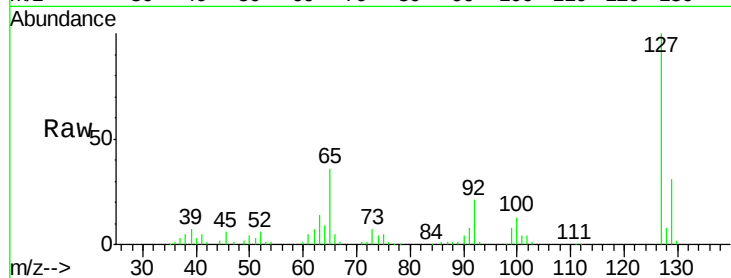




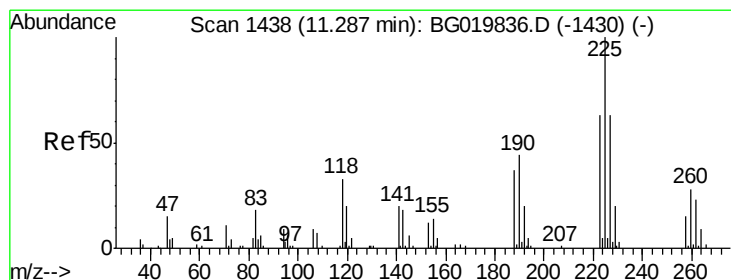
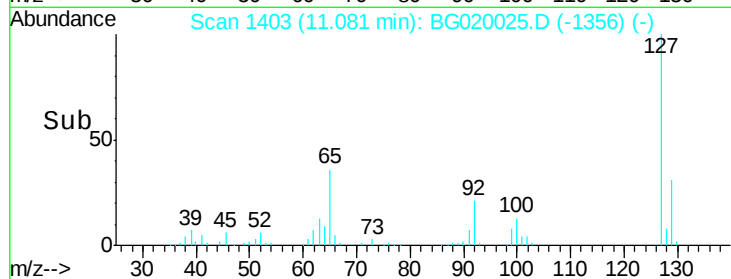
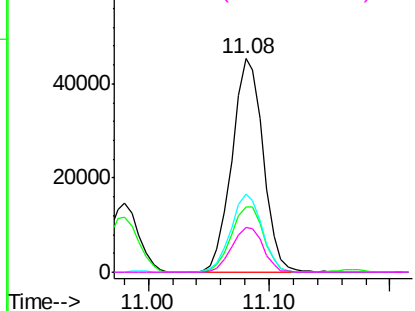
#33  
4-Chloroaniline  
Concen: 40.89 ng  
RT: 11.08 min Scan# 1403  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:127 Resp: 81502  
Ion Ratio Lower Upper  
127 100  
129 30.6 24.6 37.0  
65 36.3 22.6 33.8#  
92 20.8 15.1 22.7

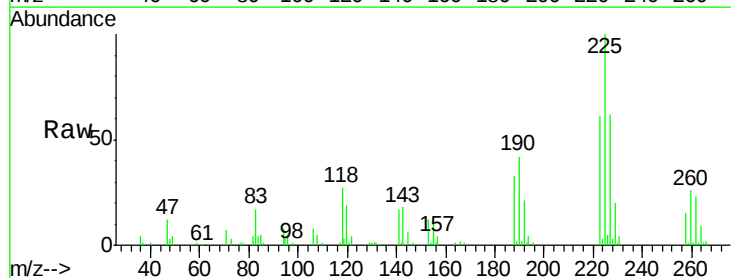


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

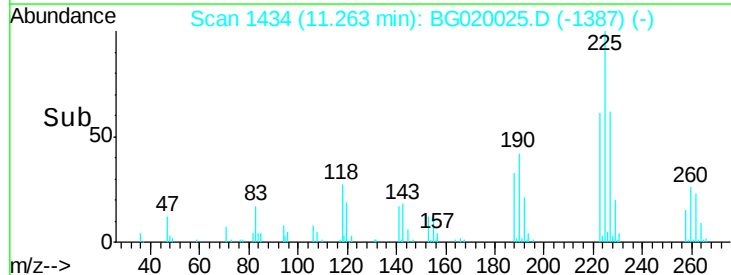
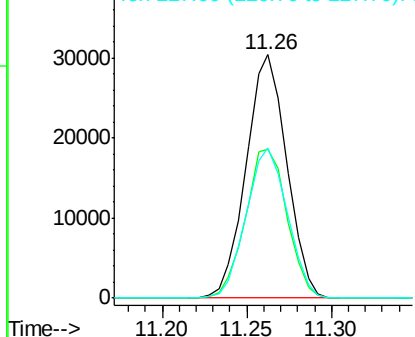


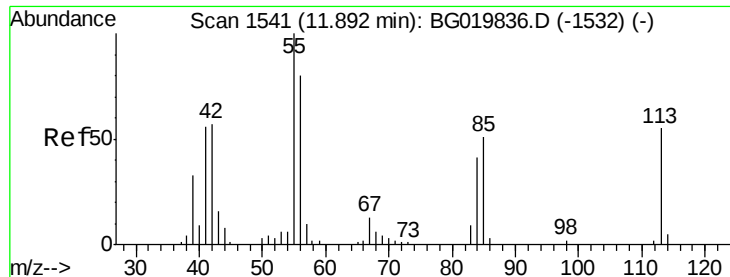
#34  
Hexachlorobutadiene  
Concen: 41.20 ng  
RT: 11.26 min Scan# 1434  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:225 Resp: 50651  
Ion Ratio Lower Upper  
225 100  
223 61.1 51.0 76.4  
227 64.8 51.8 77.8



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





#35

Caprolactam

Concen: 38.77 ng

RT: 11.86 min Scan# 1536

Delta R.T. -0.03 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

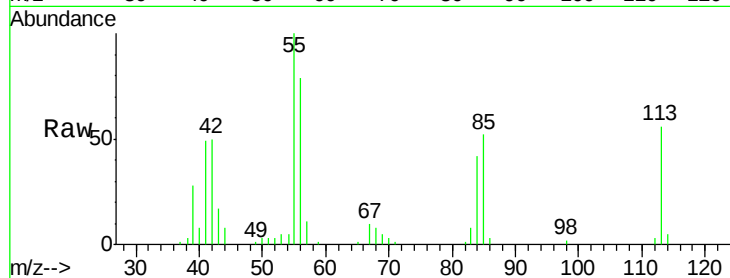
Tgt Ion:113 Resp: 21280

Ion Ratio Lower Upper

113 100

55 179.5 135.0 175.0#

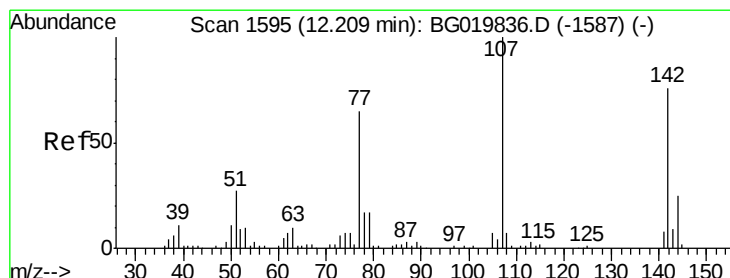
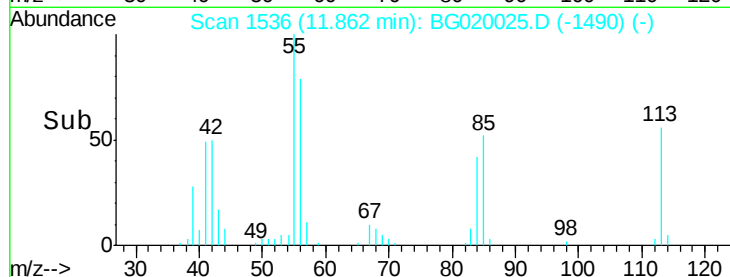
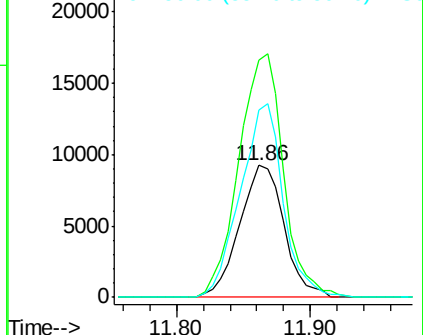
56 141.4 83.4 123.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 41.14 ng

RT: 12.20 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

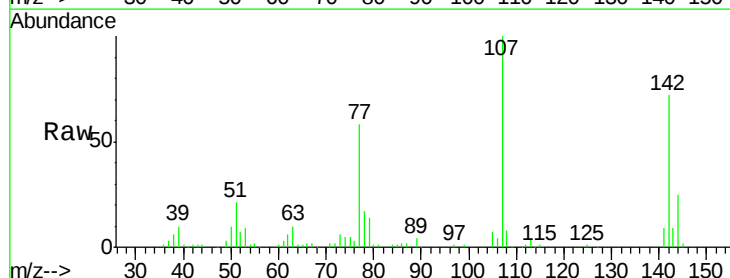
Tgt Ion:107 Resp: 75557

Ion Ratio Lower Upper

107 100

144 25.2 20.6 31.0

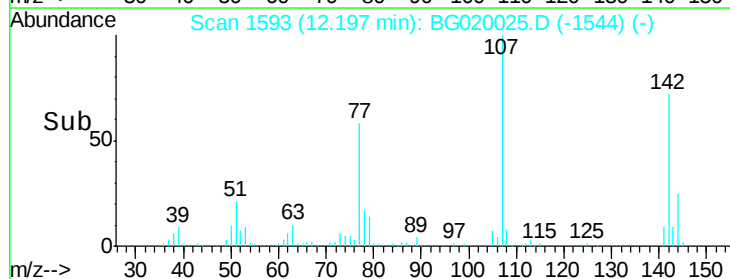
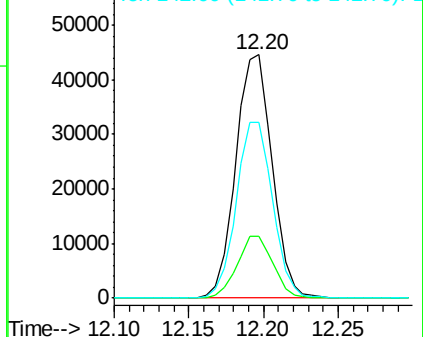
142 72.0 62.6 93.8



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

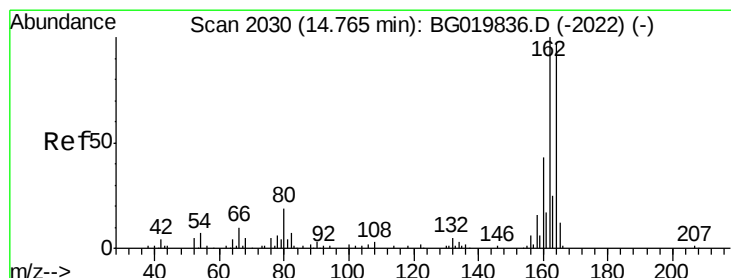
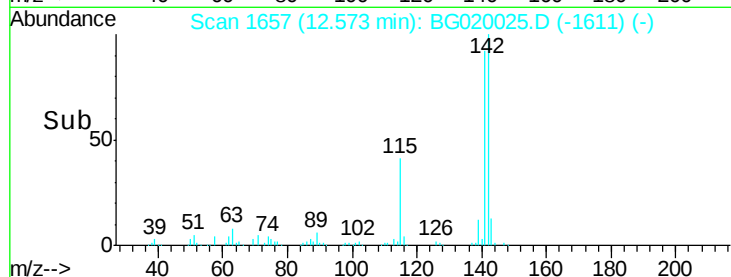
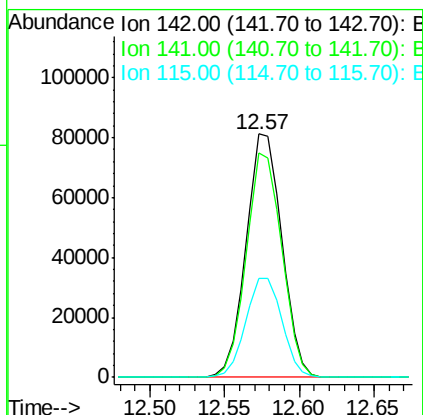
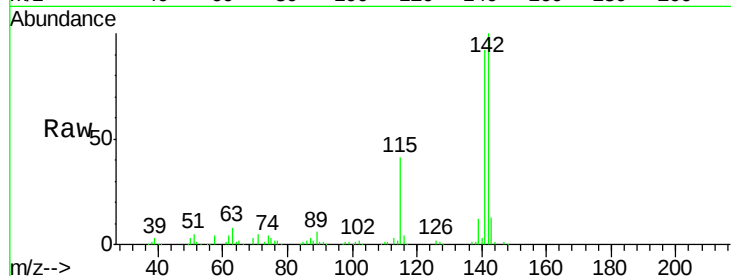




#37  
2-Methylnaphthalene  
Concen: 40.49 ng  
RT: 12.57 min Scan# 1657  
Delta R.T. -0.03 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

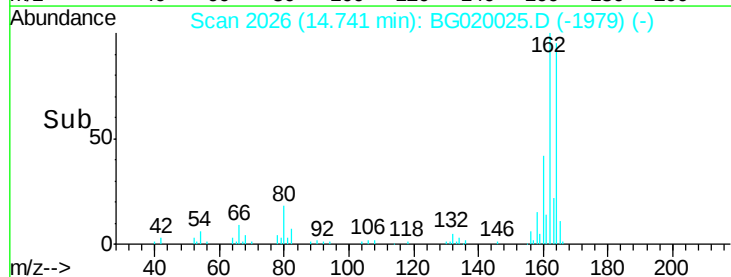
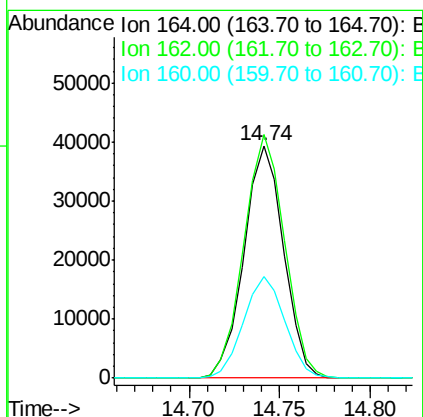
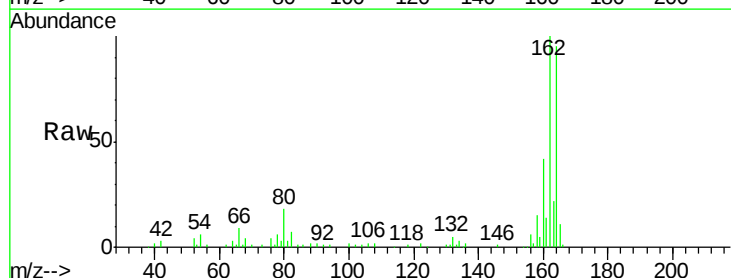
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

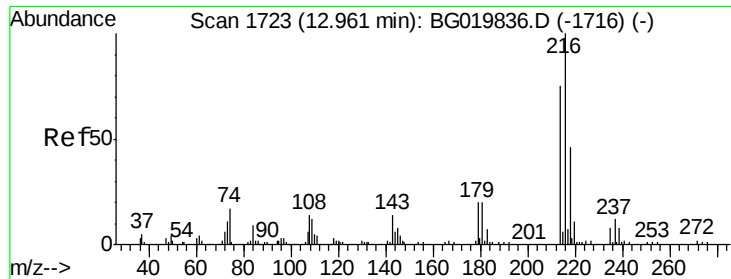
Tgt Ion:142 Resp: 134229  
Ion Ratio Lower Upper  
142 100  
141 92.4 74.6 112.0  
115 40.7 27.4 41.0



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.74 min Scan# 2026  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:164 Resp: 59520  
Ion Ratio Lower Upper  
164 100  
162 104.8 78.8 118.2  
160 43.9 36.4 54.6

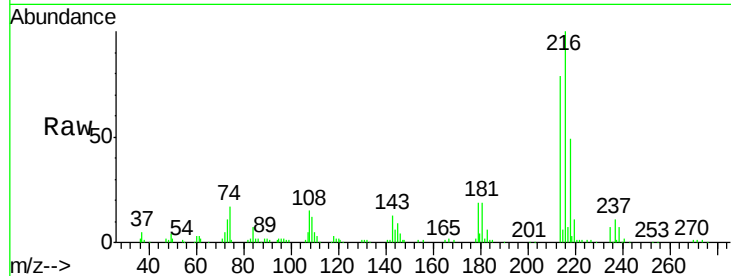




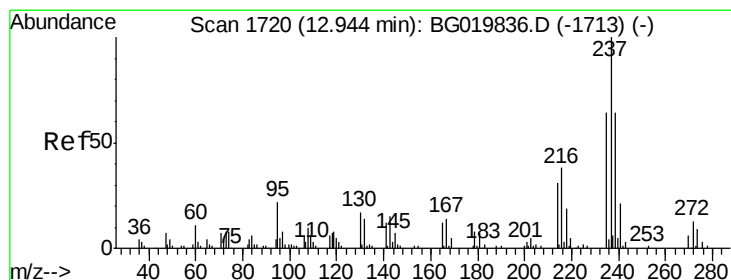
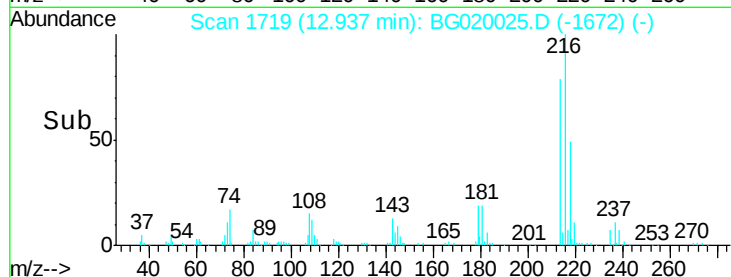
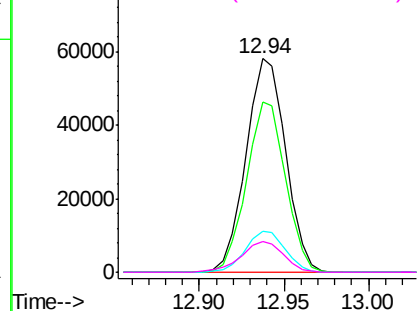
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 41.95 ng  
 RT: 12.94 min Scan# 1719  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 216   | Resp: | 94751 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 78.2  | 62.5  | 93.7  |
| 179      | 19.6  | 15.6  | 23.4  |
| 108      | 15.2  | 13.3  | 19.9  |

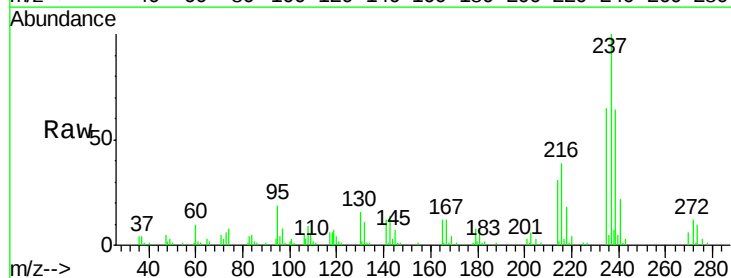


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

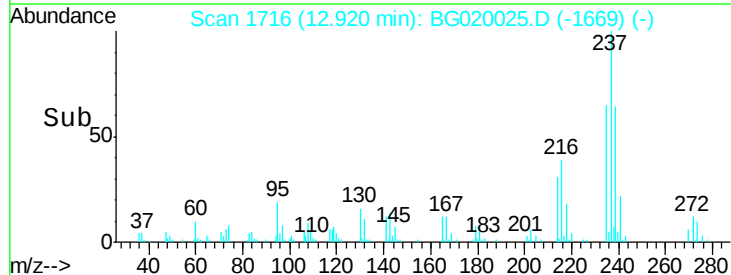
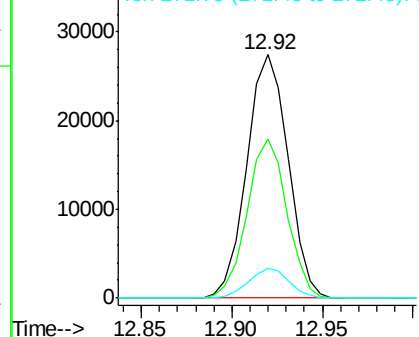


#40  
 Hexachlorocyclopentadiene  
 Concen: 33.56 ng  
 RT: 12.92 min Scan# 1716  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 43225 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 65.4  | 44.6  | 84.6  |
| 272      | 12.2  | 0.0   | 32.8  |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E

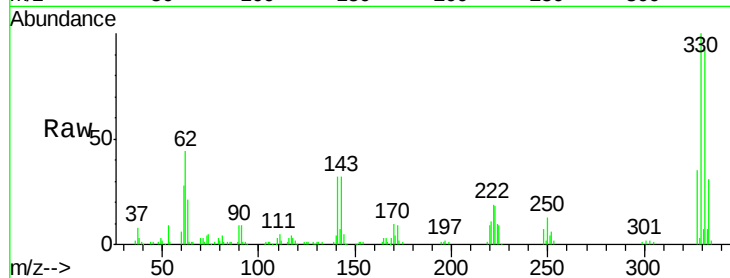




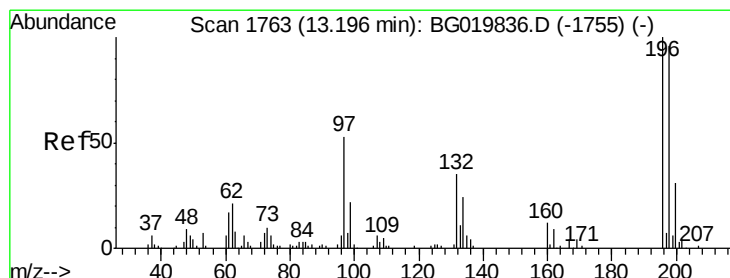
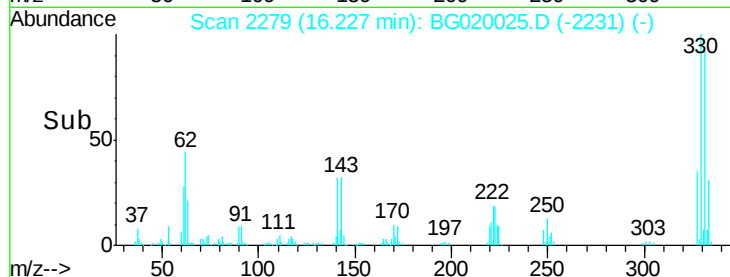
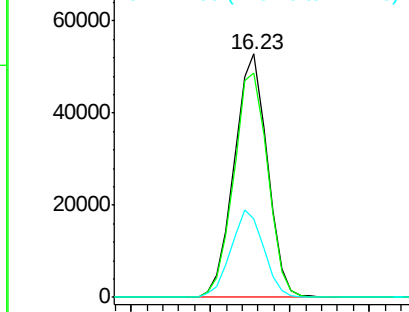
#41  
 2,4,6-Tribromophenol  
 Concen: 83.89 ng  
 RT: 16.23 min Scan# 2279  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:330 Resp: 76402  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 78.1 117.1  
 141 35.6 28.2 42.2

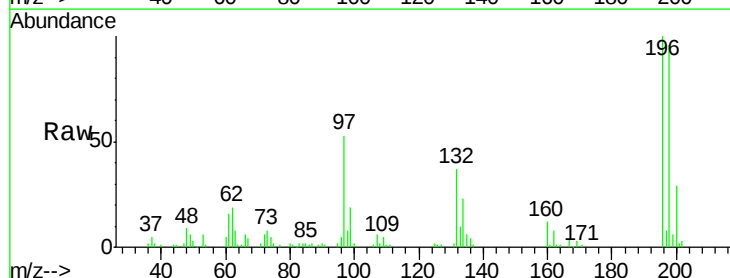


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

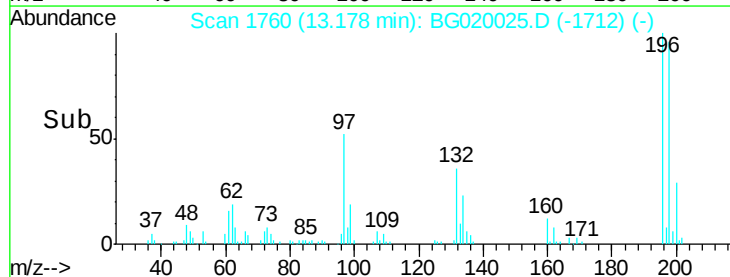
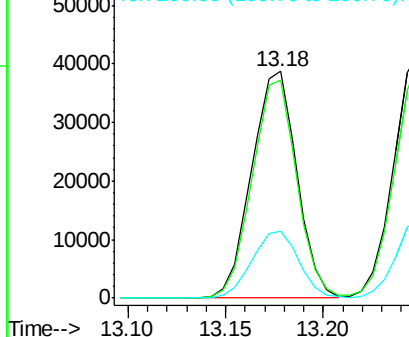


#42  
 2,4,6-Trichlorophenol  
 Concen: 41.54 ng  
 RT: 13.18 min Scan# 1760  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion:196 Resp: 62112  
 Ion Ratio Lower Upper  
 196 100  
 198 96.3 74.7 112.1  
 200 29.2 24.1 36.1



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

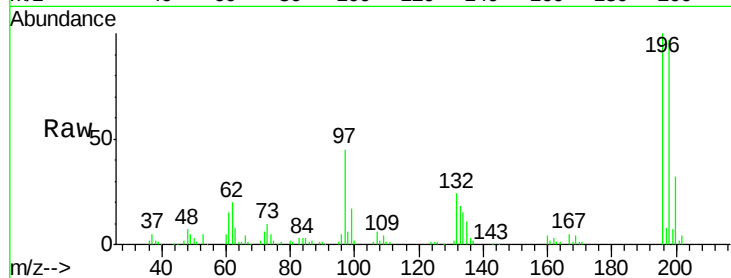




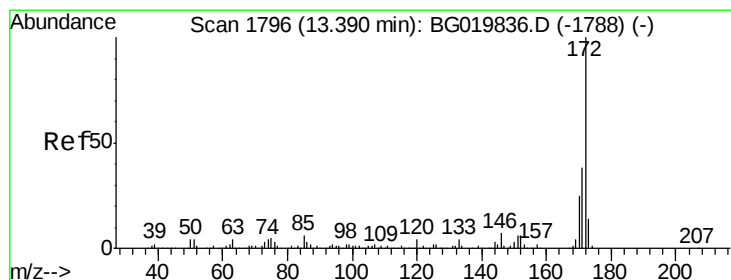
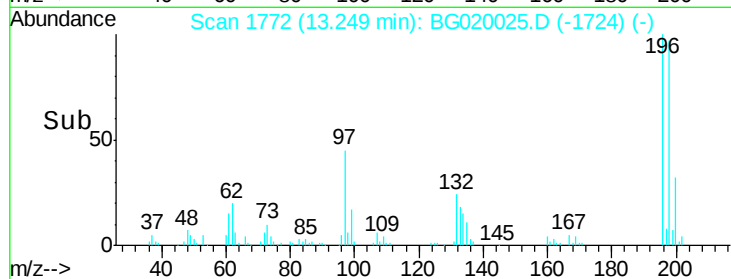
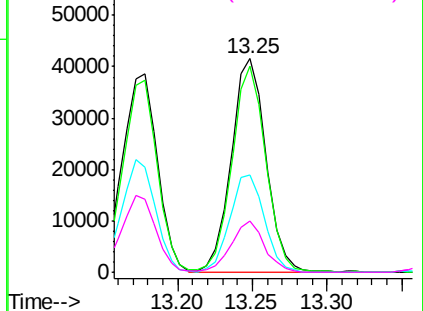
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.76 ng  
 RT: 13.25 min Scan# 1772  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:196 Resp: 67576  
 Ion Ratio Lower Upper  
 196 100  
 198 96.6 75.2 112.8  
 97 45.4 34.2 51.2  
 132 23.8 21.8 32.6

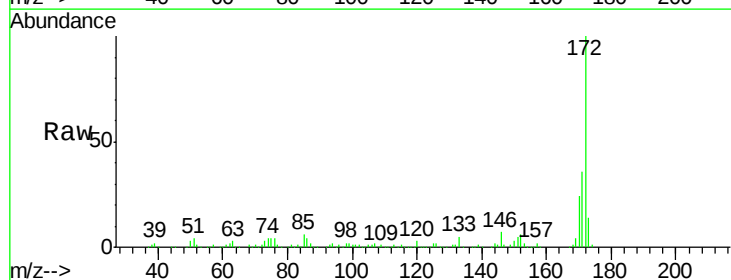


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BGC  
 Ion 132.00 (131.70 to 132.70): E

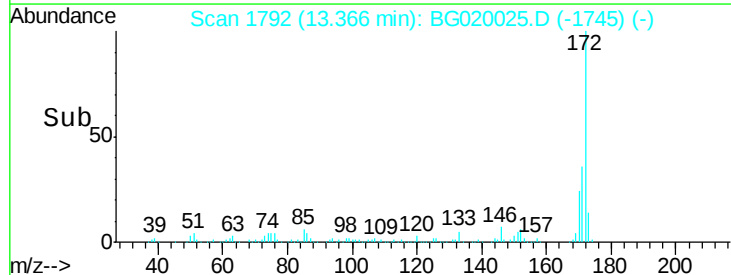
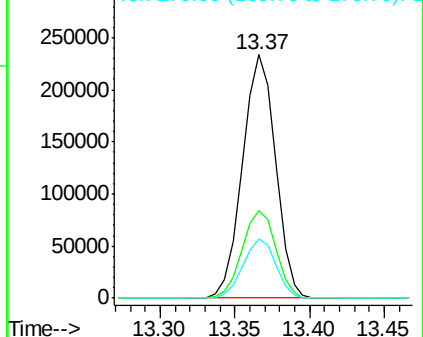


#44  
 2-Fluorobiphenyl  
 Concen: 81.79 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion:172 Resp: 356553  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.0 43.6  
 170 24.3 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

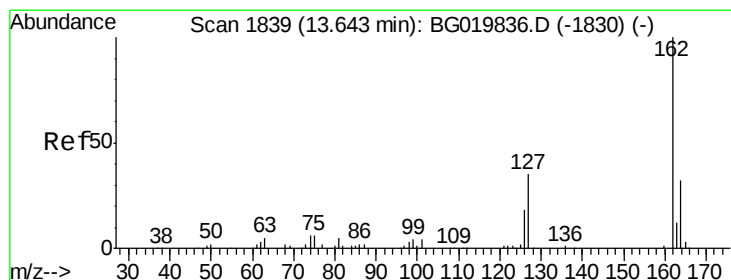
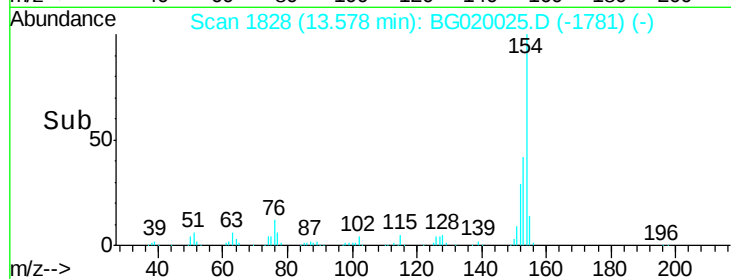
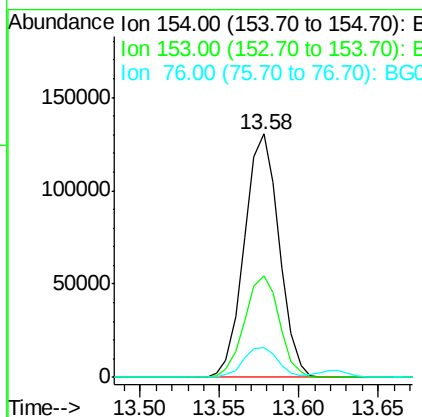
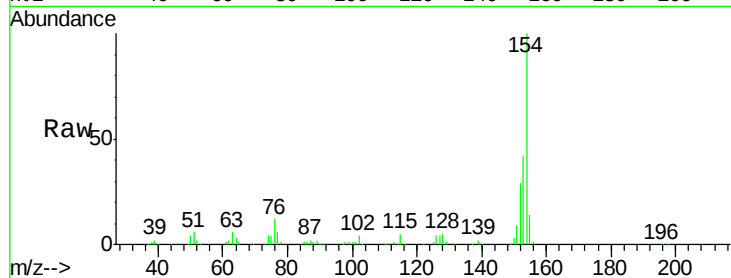




#45  
1,1'-Biphenyl  
Concen: 40.55 ng  
RT: 13.58 min Scan# 1828  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

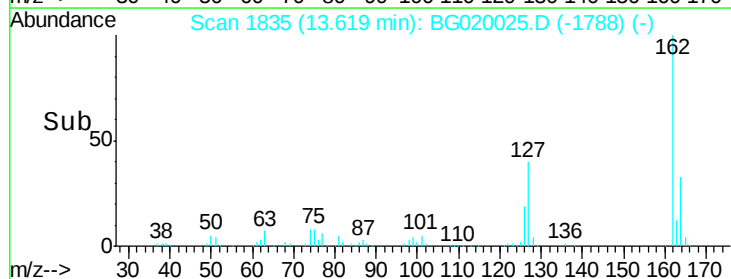
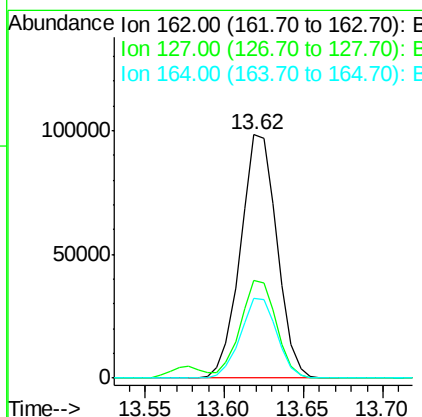
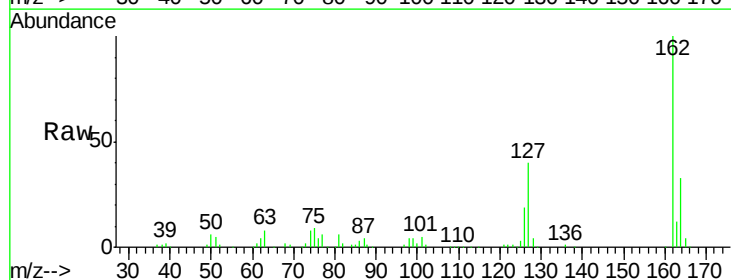
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:154 Resp: 198050  
Ion Ratio Lower Upper  
154 100  
153 41.8 21.9 61.9  
76 12.2 0.0 33.2



#46  
2-Chloronaphthalene  
Concen: 41.72 ng  
RT: 13.62 min Scan# 1835  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:162 Resp: 157081  
Ion Ratio Lower Upper  
162 100  
127 39.9 28.3 42.5  
164 32.6 27.4 41.0

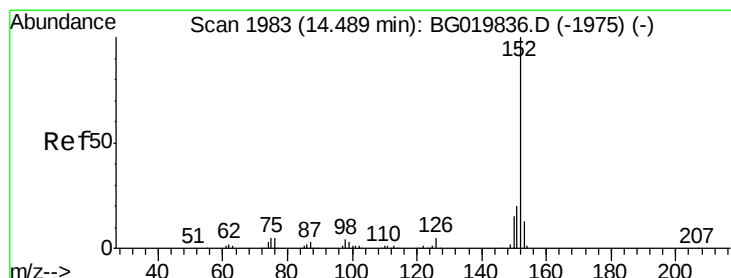
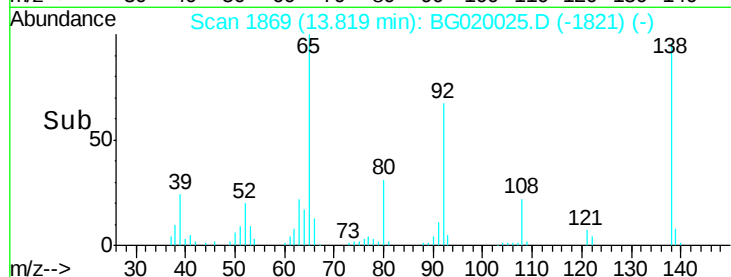
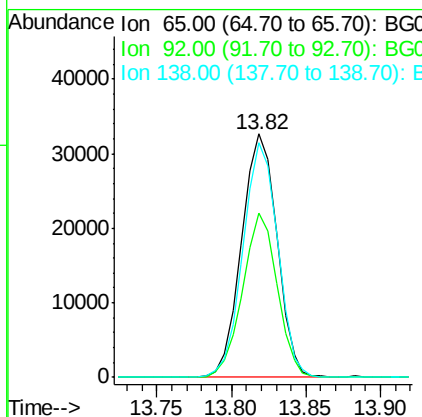
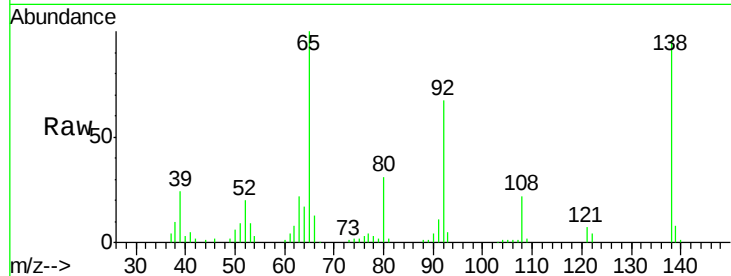




#47  
2-Nitroaniline  
Concen: 45.19 ng  
RT: 13.82 min Scan# 1869  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

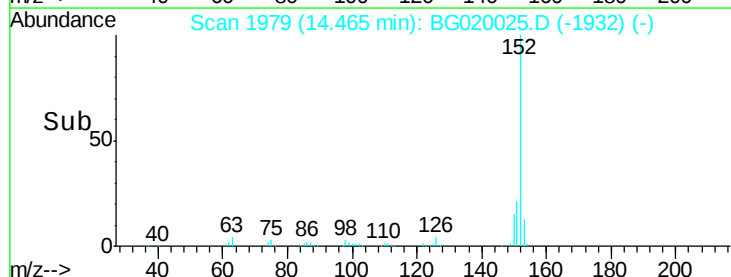
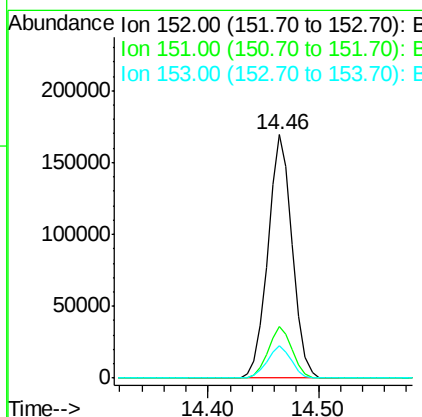
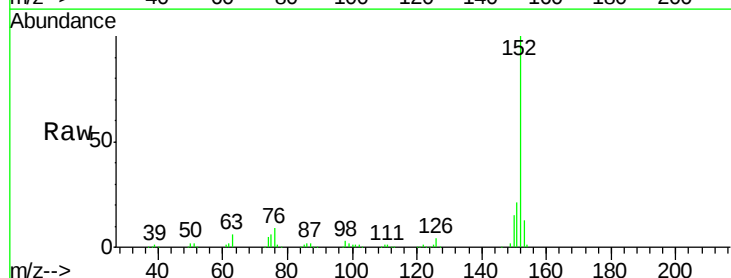
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 65 Resp: 53735  
Ion Ratio Lower Upper  
65 100  
92 67.3 54.8 82.2  
138 96.2 89.6 134.4



#48  
Acenaphthylene  
Concen: 40.51 ng  
RT: 14.46 min Scan# 1979  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion: 152 Resp: 259776  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.0 25.4  
153 13.1 10.4 15.6





#49

Dimethylphthalate

Concen: 38.39 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.03 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

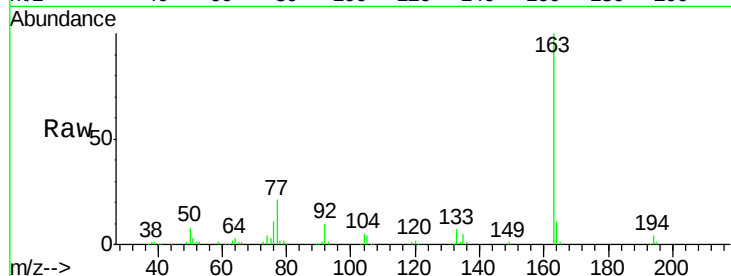
Tgt Ion:163 Resp: 205555

Ion Ratio Lower Upper

163 100

194 4.3 3.1 4.7

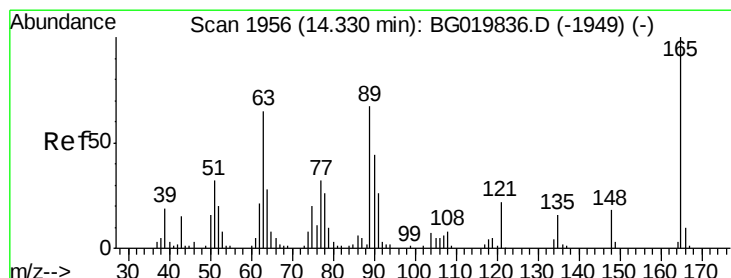
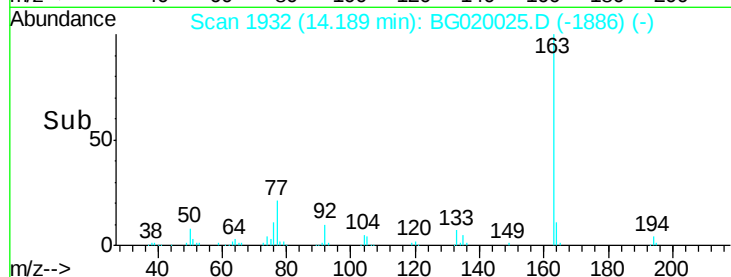
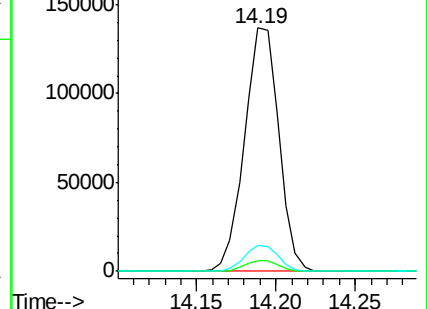
164 10.5 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 44.59 ng

RT: 14.31 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

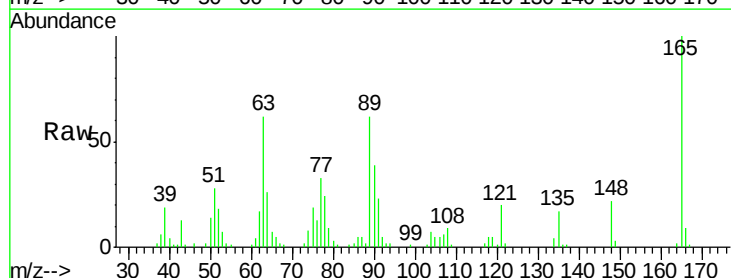
Tgt Ion:165 Resp: 44889

Ion Ratio Lower Upper

165 100

63 61.7 35.7 53.5#

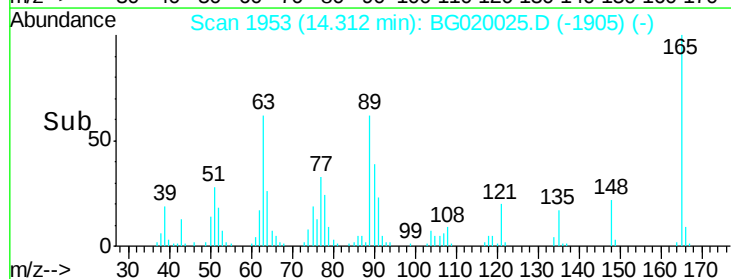
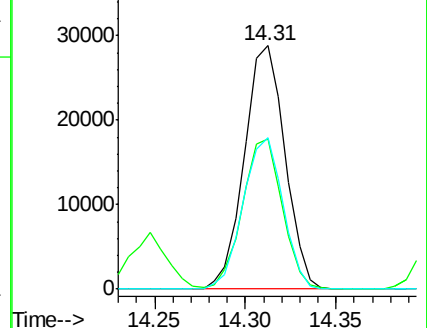
89 62.2 39.7 59.5#

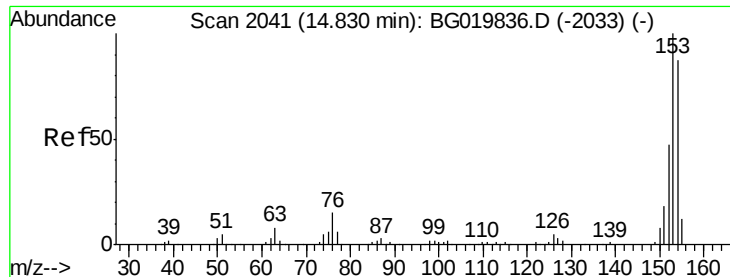


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 40.32 ng

RT: 14.81 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

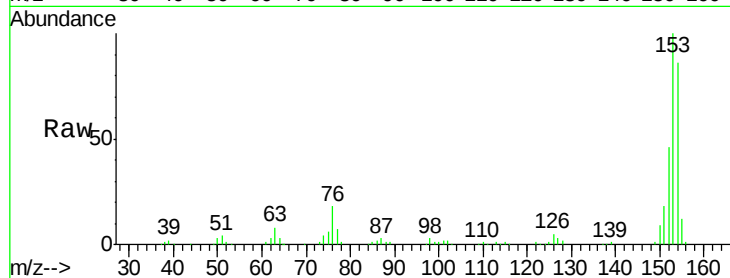
Tgt Ion:154 Resp: 156901

Ion Ratio Lower Upper

154 100

153 116.9 92.9 139.3

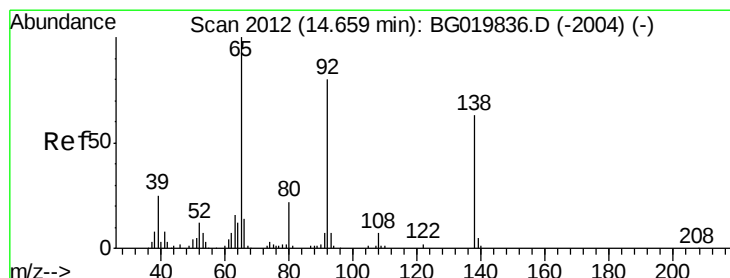
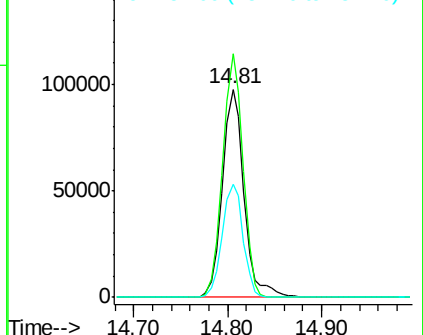
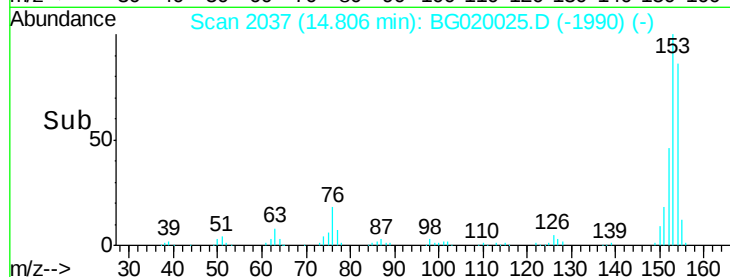
152 54.2 45.8 68.8



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: 43.86 ng

RT: 14.64 min Scan# 2009

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

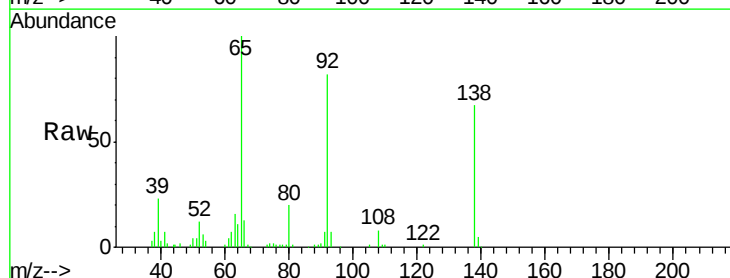
Tgt Ion:138 Resp: 45869

Ion Ratio Lower Upper

138 100

108 12.3 7.9 11.9#

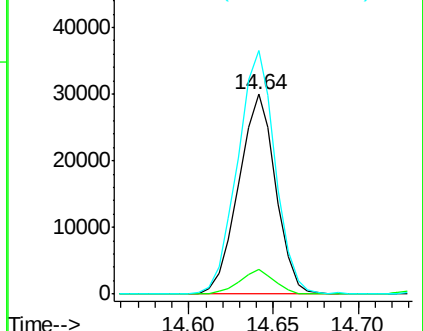
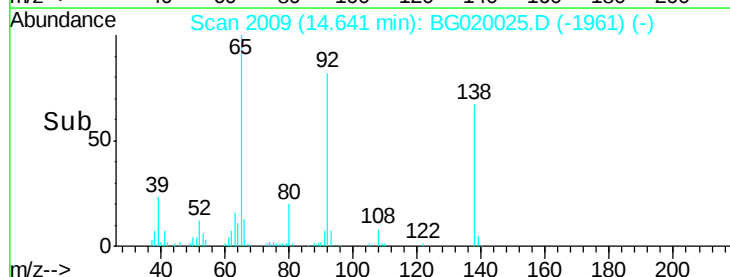
92 121.7 94.2 141.4

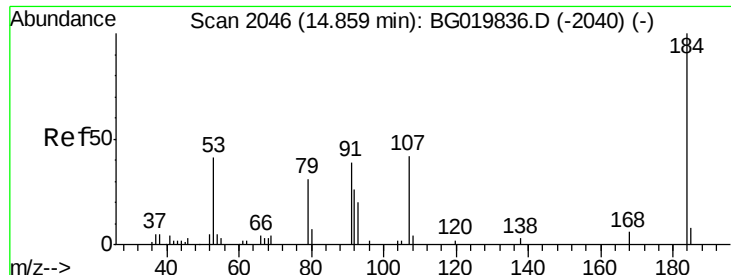


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

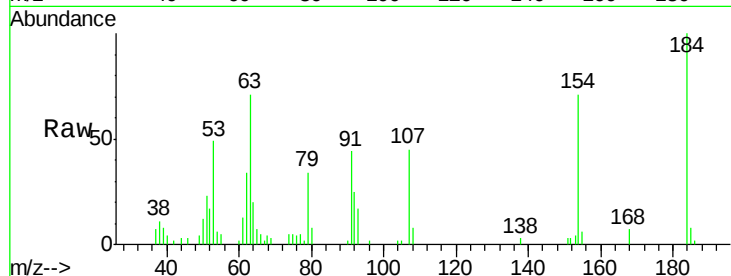




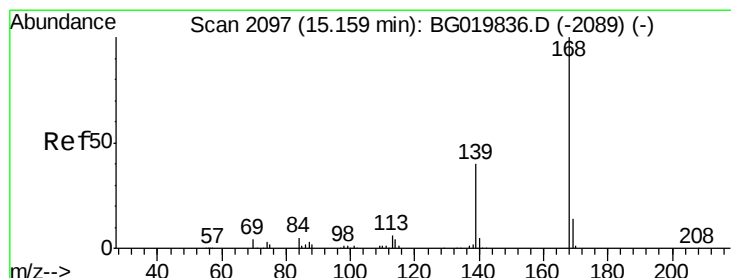
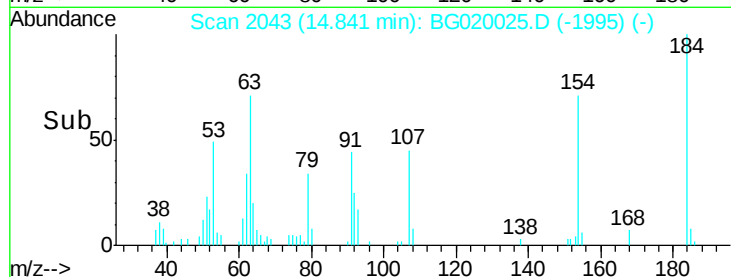
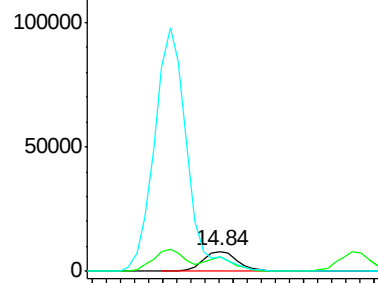
#53  
 2,4-Dinitrophenol  
 Concen: 32.51 ng  
 RT: 14.84 min Scan# 2043  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:184 Resp: 14085  
 Ion Ratio Lower Upper  
 184 100  
 63 71.1 42.7 64.1#  
 154 70.8 44.3 66.5#

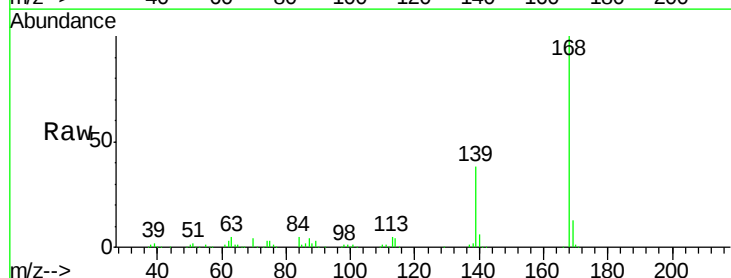


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 154.00 (153.70 to 154.70): E

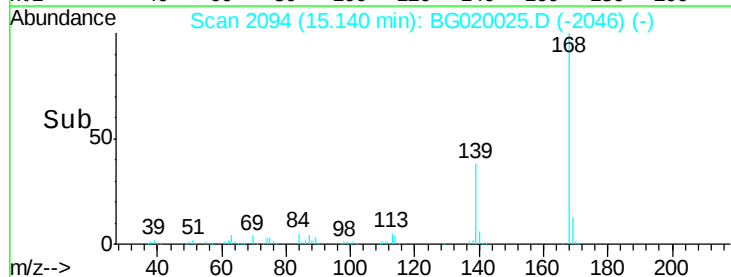
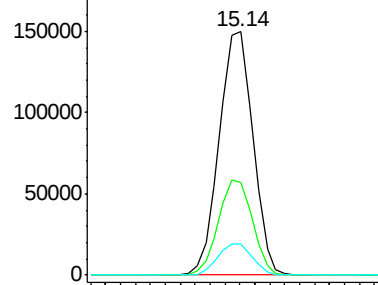


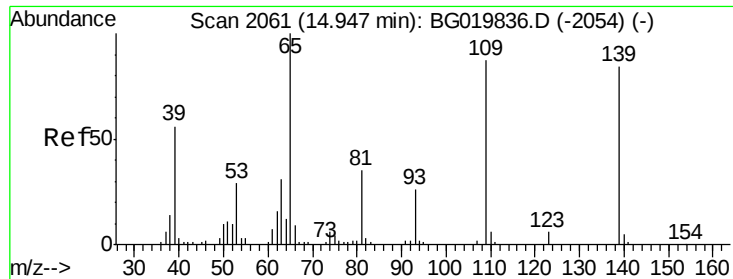
#54  
 Dibenzofuran  
 Concen: 40.31 ng  
 RT: 15.14 min Scan# 2094  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion:168 Resp: 233370  
 Ion Ratio Lower Upper  
 168 100  
 139 38.0 27.4 41.0  
 169 13.0 11.0 16.4



Abundance Ion 168.00 (167.70 to 168.70): E  
 Ion 139.00 (138.70 to 139.70): E  
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 41.37 ng

RT: 14.93 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

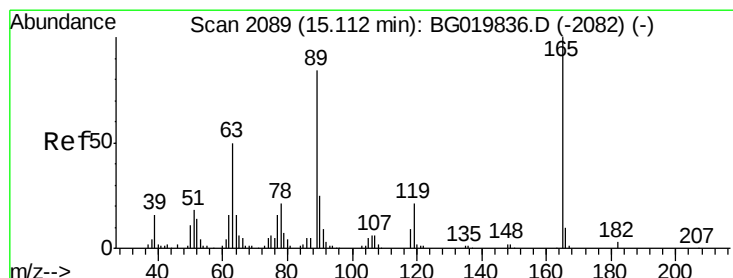
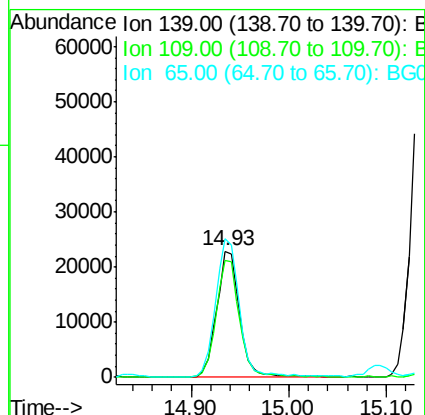
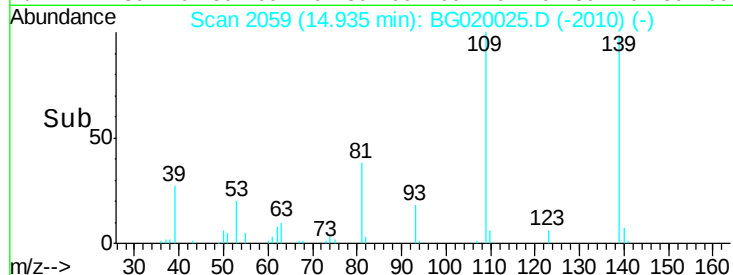
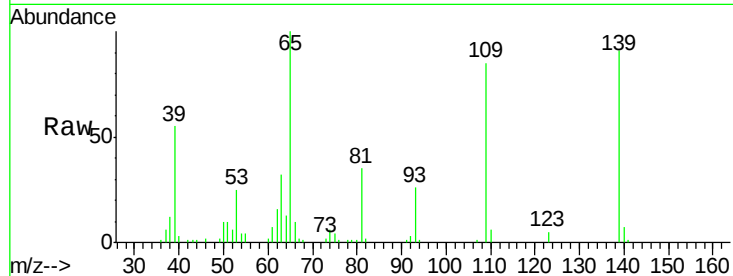
Tgt Ion:139 Resp: 37679

Ion Ratio Lower Upper

139 100

109 93.3 43.2 83.2#

65 109.9 67.8 107.8#



#56

2,4-Dinitrotoluene

Concen: 45.88 ng

RT: 15.09 min Scan# 2086

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Tgt Ion:165 Resp: 64437

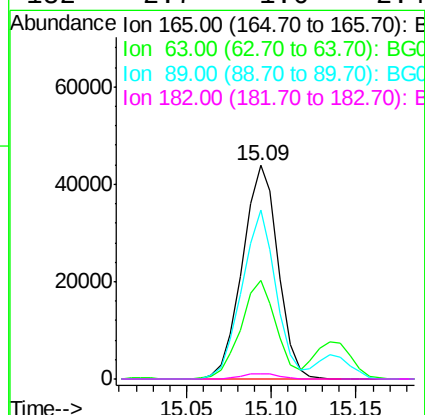
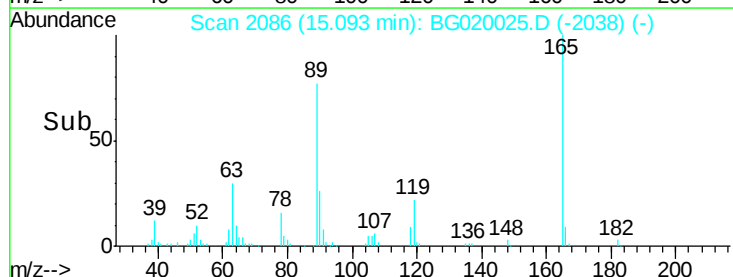
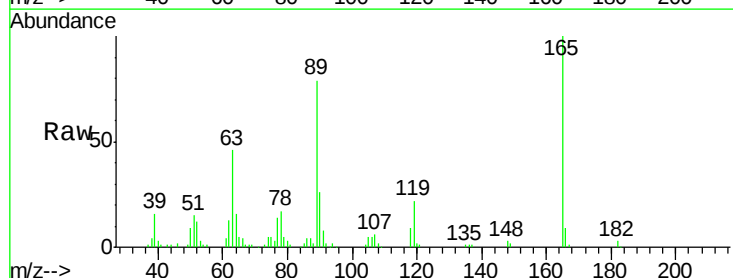
Ion Ratio Lower Upper

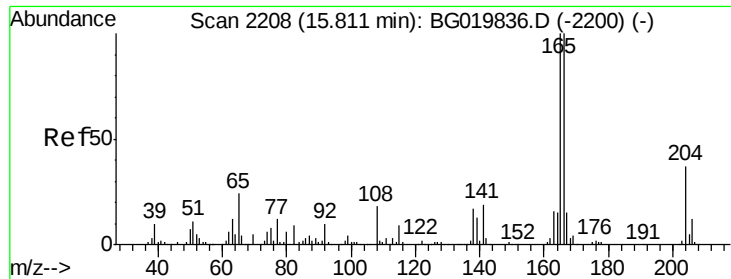
165 100

63 46.5 31.0 46.4#

89 78.9 54.4 81.6

182 2.7 1.6 2.4#

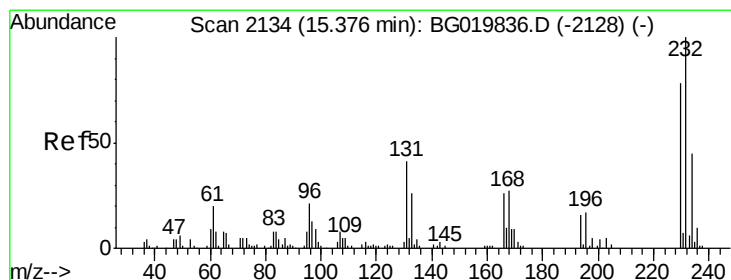
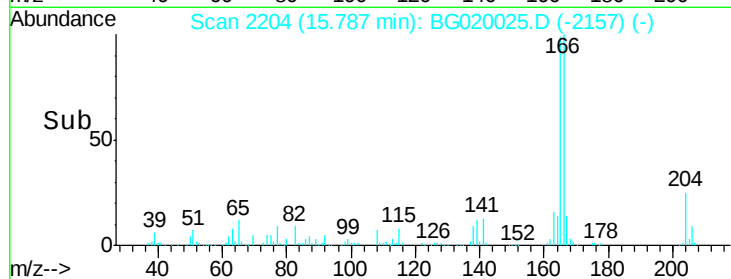
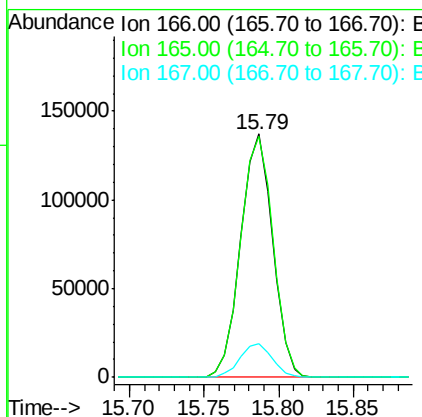
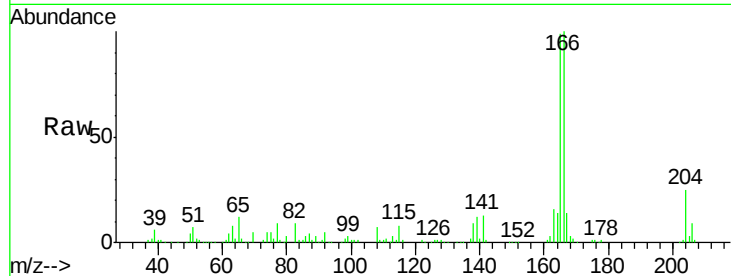




#57  
 Fluorene  
 Concen: 39.30 ng  
 RT: 15.79 min Scan# 2204  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

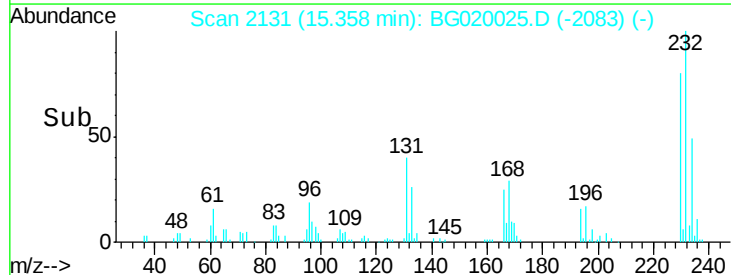
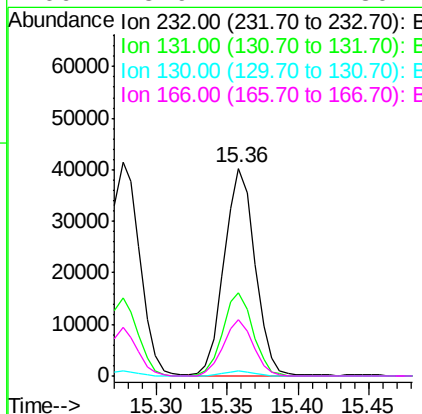
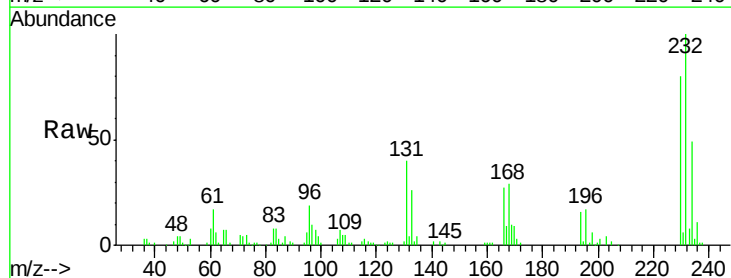
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:166 Resp: 203622  
 Ion Ratio Lower Upper  
 166 100  
 165 99.3 80.0 120.0  
 167 13.9 11.1 16.7



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.11 ng  
 RT: 15.36 min Scan# 2131  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion:232 Resp: 61590  
 Ion Ratio Lower Upper  
 232 100  
 131 38.9 33.0 49.6  
 130 2.2 2.0 3.0  
 166 25.9 24.1 36.1





#59

Diethylphthalate

Concen: 36.90 ng

RT: 15.55 min Scan# 2164

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

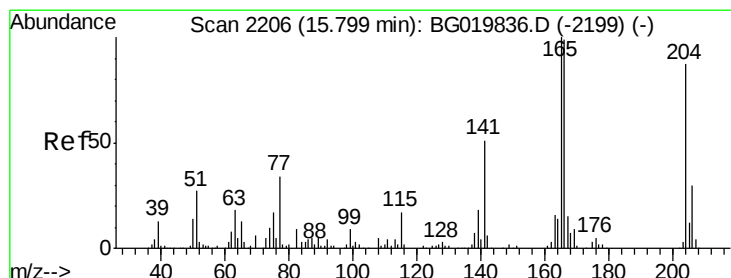
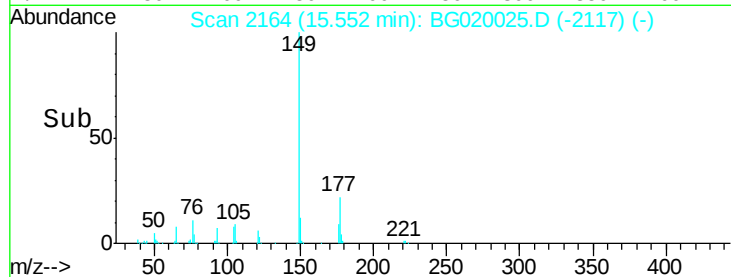
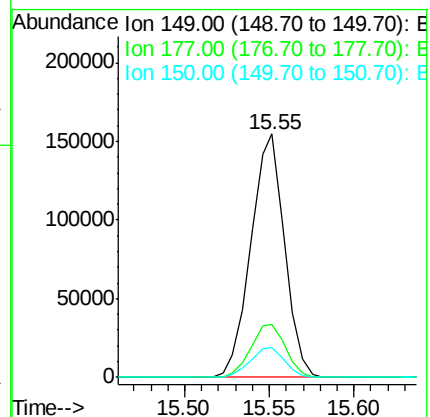
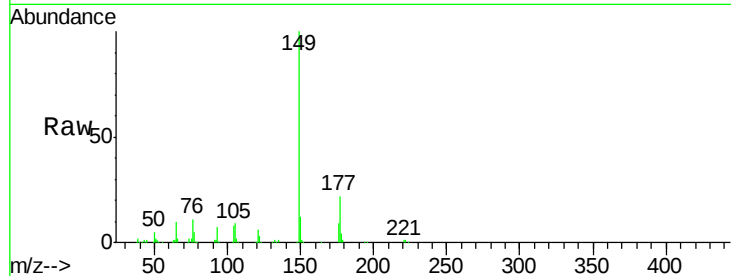
Tgt Ion:149 Resp: 213794

Ion Ratio Lower Upper

149 100

177 21.7 19.6 29.4

150 12.1 10.2 15.2



#60

4-Chlorophenyl-phenylether

Concen: 38.93 ng

RT: 15.78 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

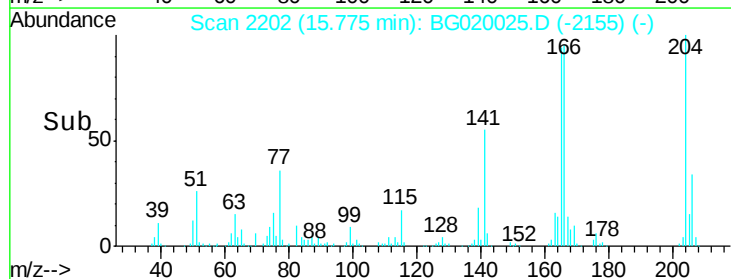
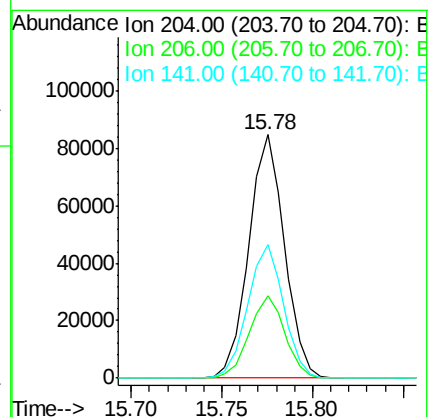
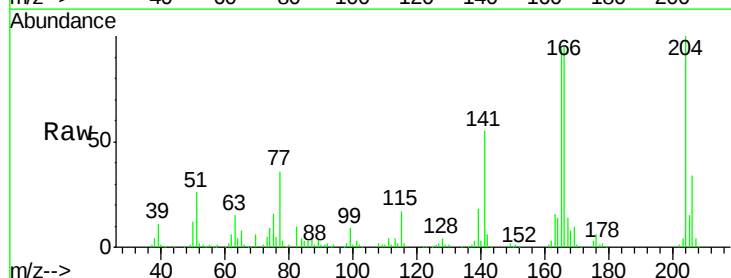
Tgt Ion:204 Resp: 115831

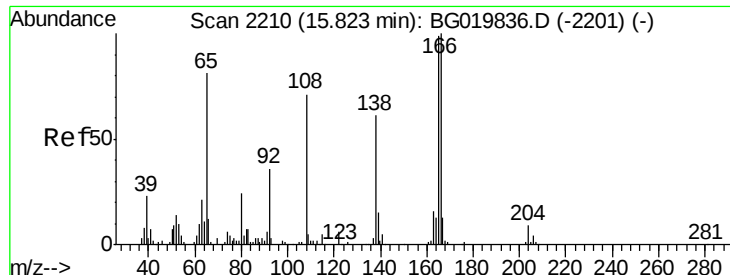
Ion Ratio Lower Upper

204 100

206 33.7 28.3 42.5

141 54.8 44.0 66.0

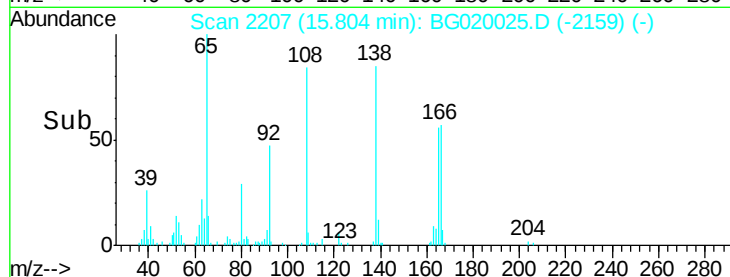
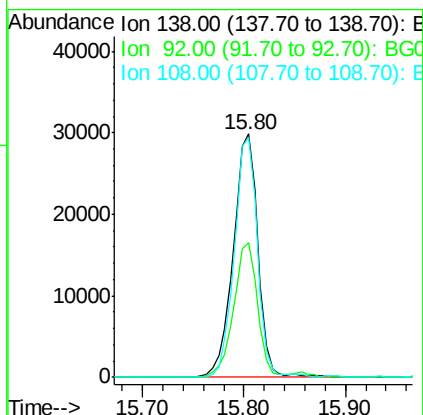
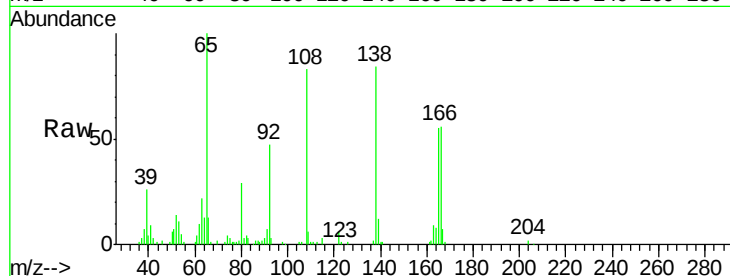




#61  
4-Nitroaniline  
Concen: 42.75 ng  
RT: 15.80 min Scan# 2207  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

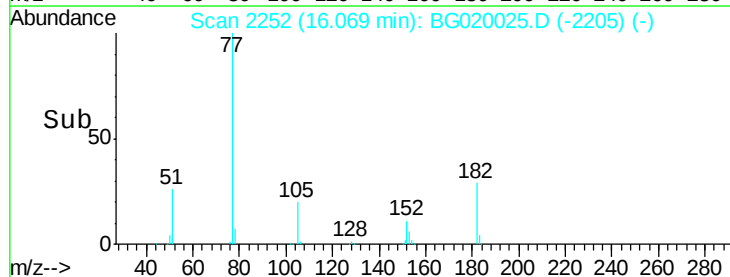
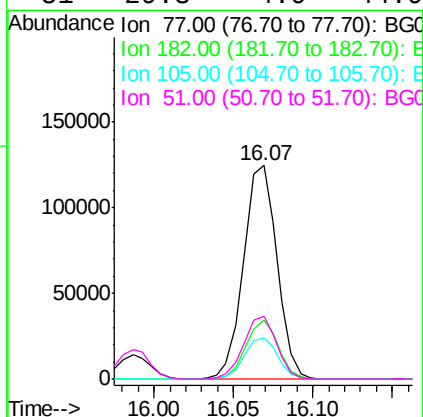
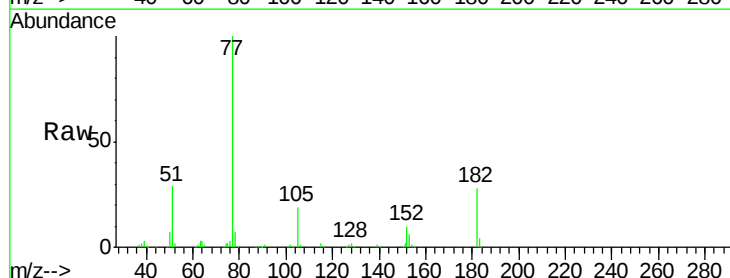
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 138 Resp: 50288  
Ion Ratio Lower Upper  
138 100  
92 55.6 29.1 69.1  
108 98.4 49.8 89.8#



#62  
Azobenzene  
Concen: 37.85 ng  
RT: 16.07 min Scan# 2252  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion: 77 Resp: 182499  
Ion Ratio Lower Upper  
77 100  
182 27.6 7.0 47.0  
105 19.2 1.4 41.4  
51 29.3 4.9 44.9

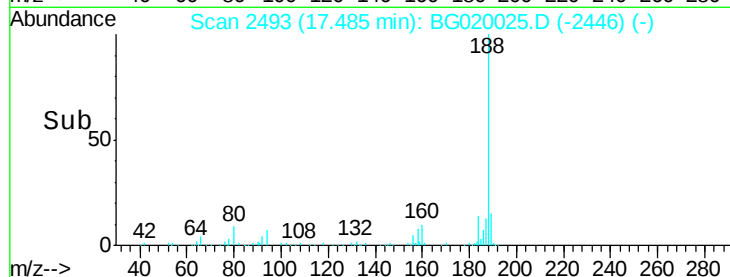
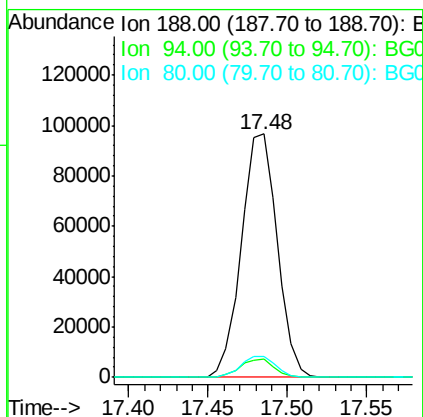
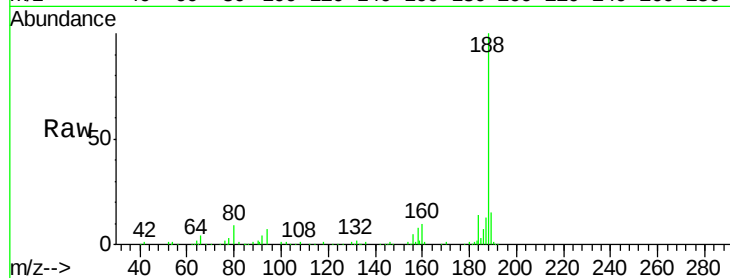




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2493  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

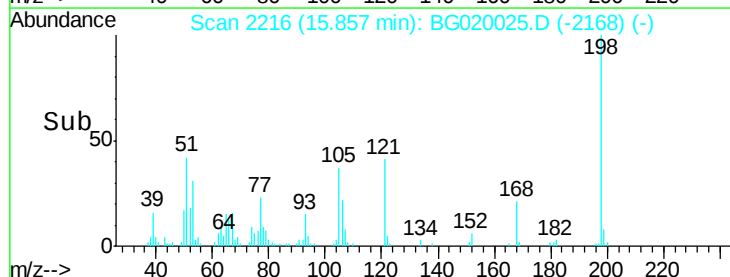
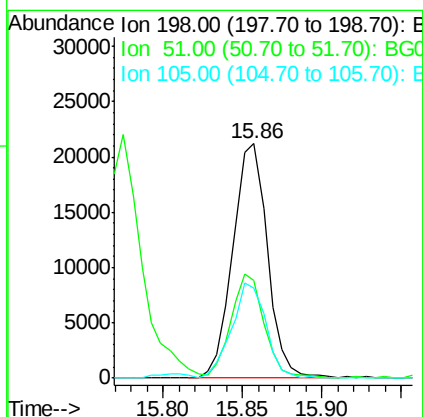
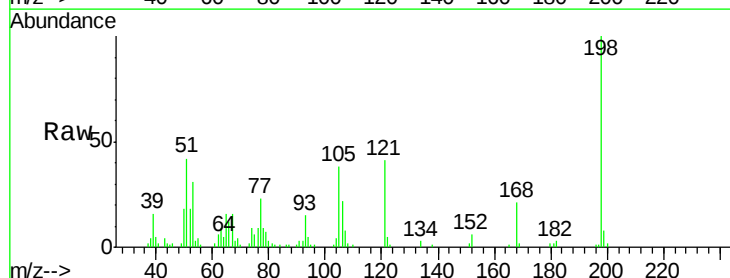
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:188 Resp: 151563  
Ion Ratio Lower Upper  
188 100  
94 7.4 7.7 11.5#  
80 8.5 7.8 11.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 39.00 ng  
RT: 15.86 min Scan# 2216  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:198 Resp: 32089  
Ion Ratio Lower Upper  
198 100  
51 41.9 14.2 54.2  
105 38.2 21.1 61.1

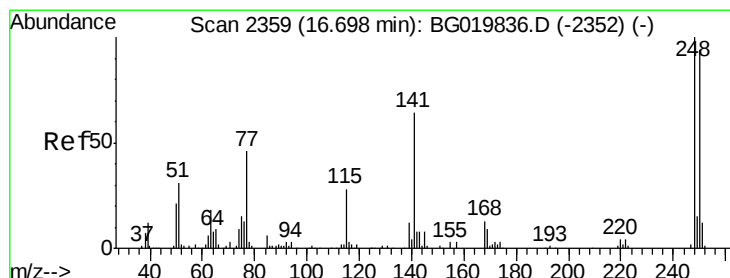
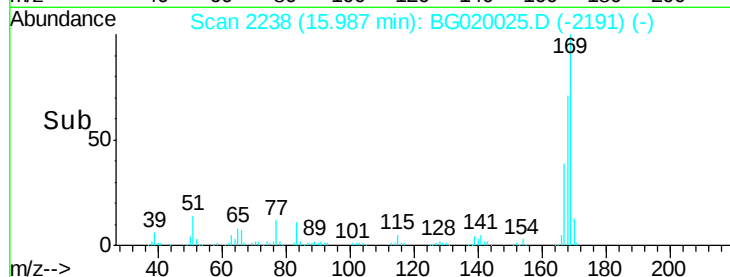
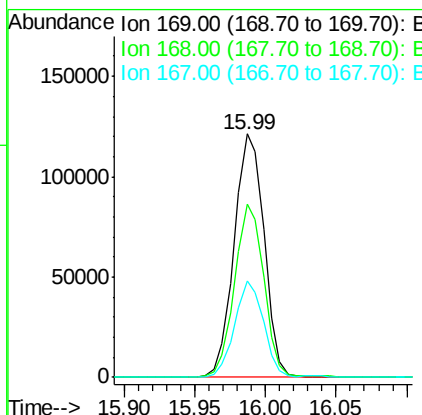
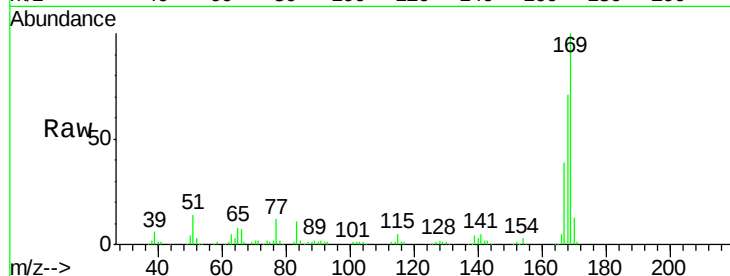




#65  
n-Nitrosodiphenylamine  
Concen: 40.80 ng  
RT: 15.99 min Scan# 2238  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

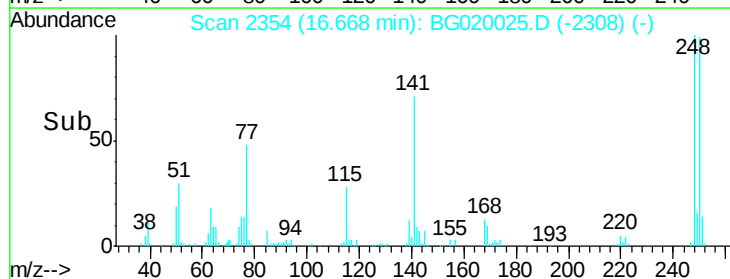
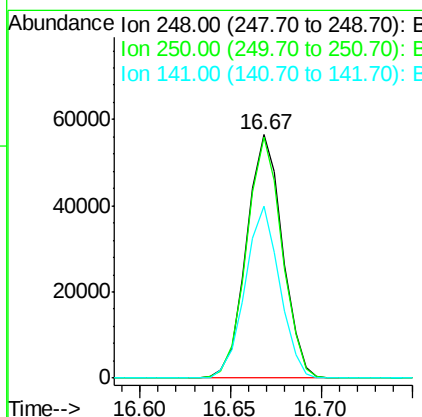
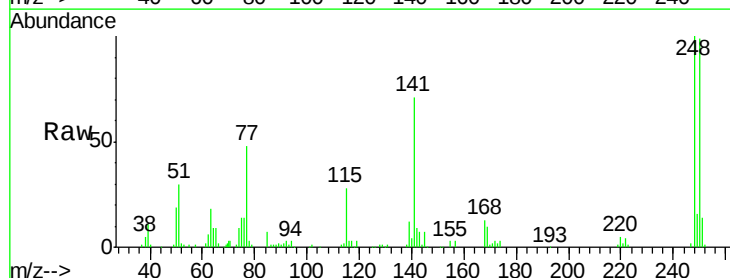
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:169 Resp: 178942  
Ion Ratio Lower Upper  
169 100  
168 71.1 58.2 87.2  
167 39.4 32.7 49.1



#66  
4-Bromophenyl-phenylether  
Concen: 41.27 ng  
RT: 16.67 min Scan# 2354  
Delta R.T. -0.03 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:248 Resp: 77733  
Ion Ratio Lower Upper  
248 100  
250 99.0 77.8 116.8  
141 70.8 50.4 75.6

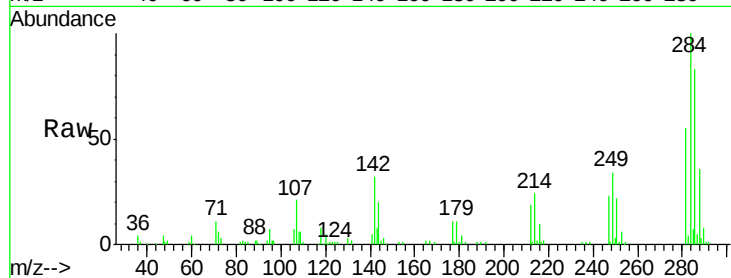




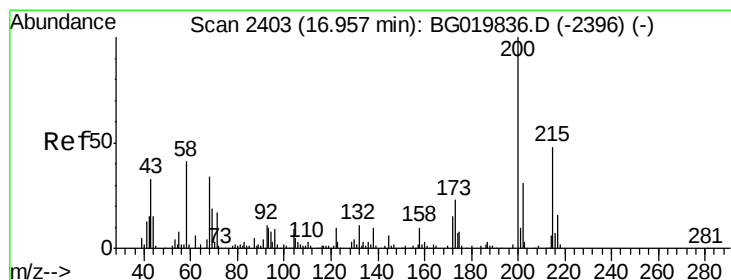
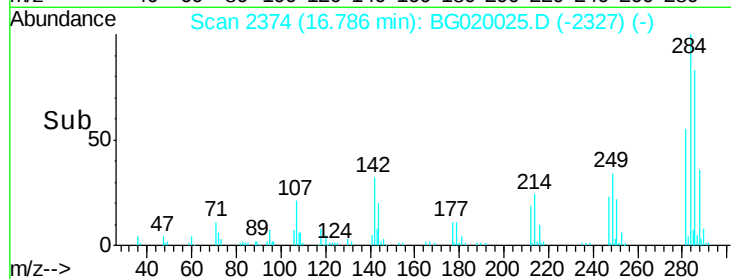
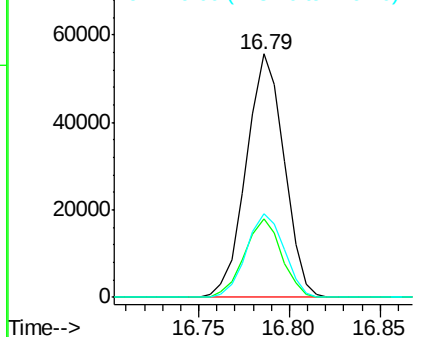
#67  
Hexachlorobenzene  
Concen: 41.29 ng  
RT: 16.79 min Scan# 2374  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

Tgt Ion:284 Resp: 80996  
Ion Ratio Lower Upper  
284 100  
142 32.1 26.6 39.8  
249 34.1 26.2 39.2

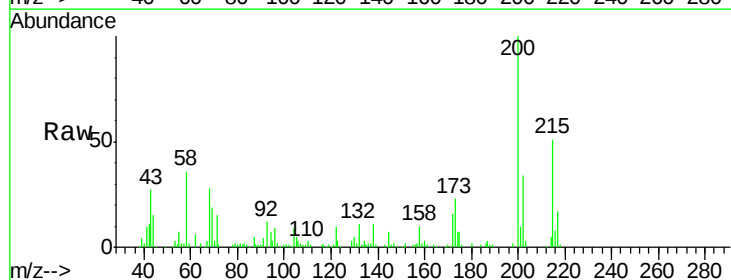


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

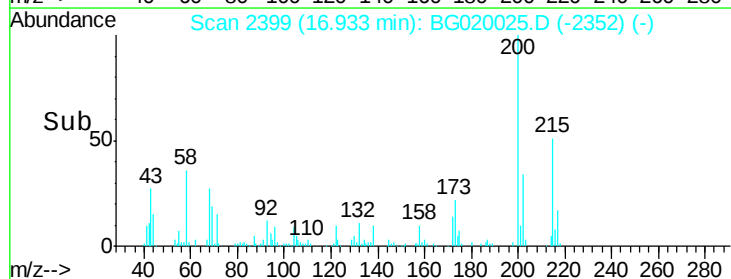
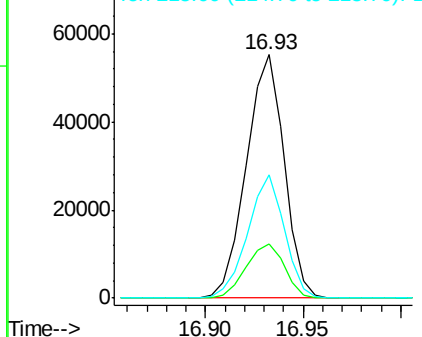


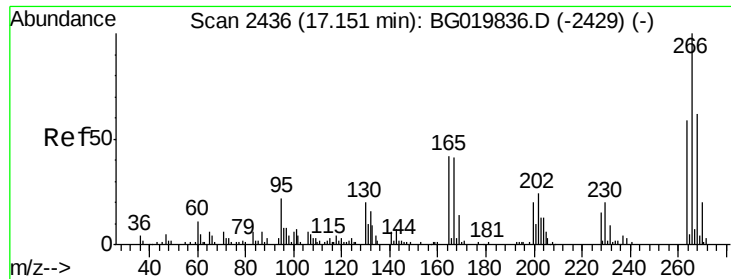
#68  
Atrazine  
Concen: 38.83 ng  
RT: 16.93 min Scan# 2399  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:200 Resp: 74001  
Ion Ratio Lower Upper  
200 100  
173 22.5 5.2 45.2  
215 50.6 27.0 67.0



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

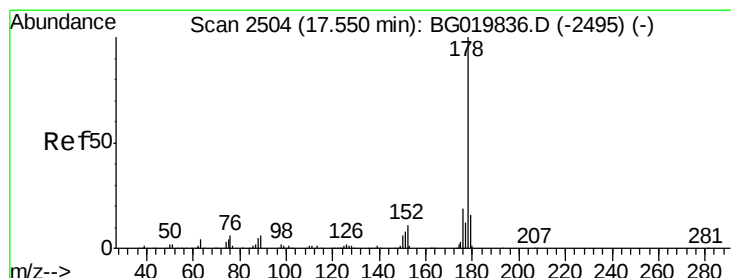
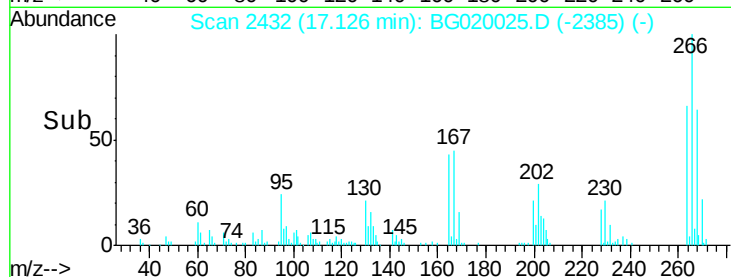
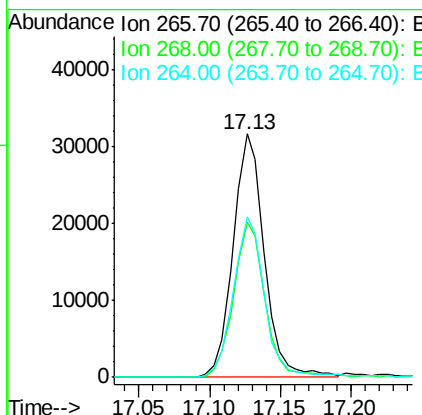
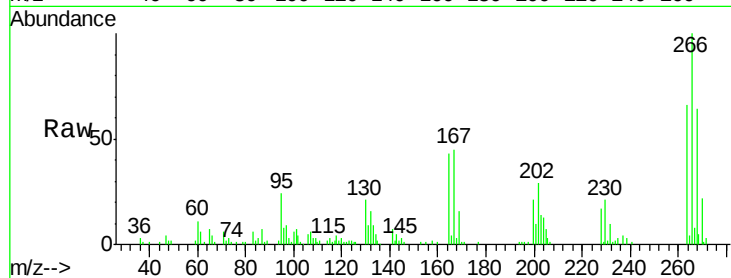




#69  
 Pentachlorophenol  
 Concen: 42.69 ng  
 RT: 17.13 min Scan# 2432  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

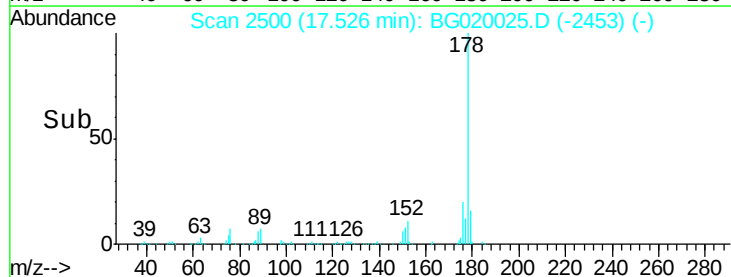
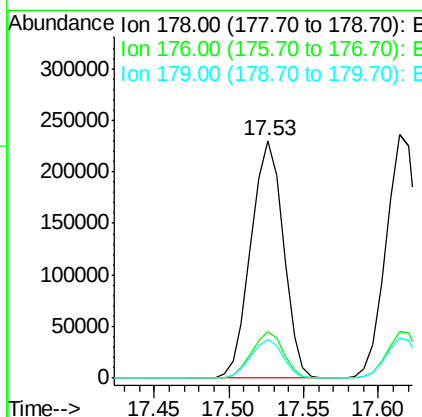
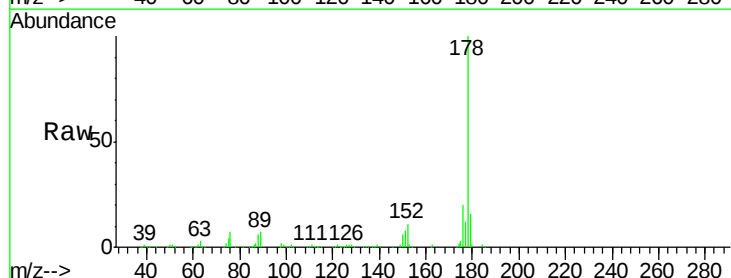
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 68.6  | 47.6  | 71.4  |
| 264     | 65.8  | 48.1  | 72.1  |



#70  
 Phenanthrene  
 Concen: 40.38 ng  
 RT: 17.53 min Scan# 2500  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 16.7  | 25.1  |
| 179     | 16.2  | 13.9  | 20.9  |

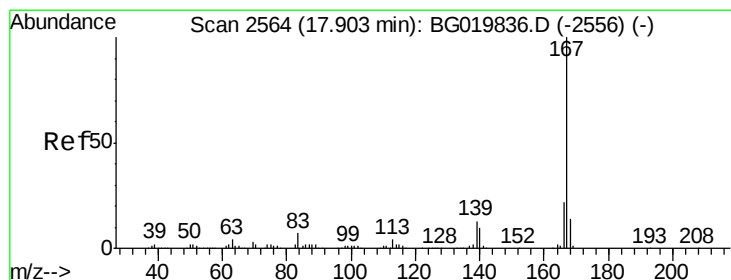
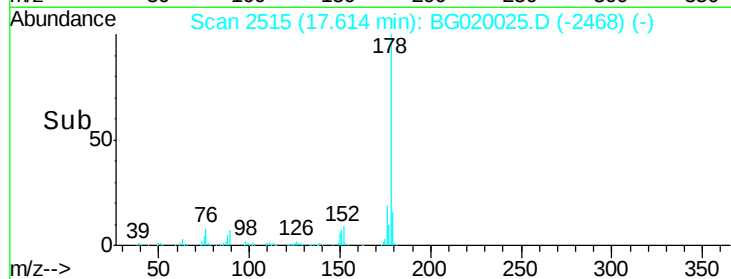
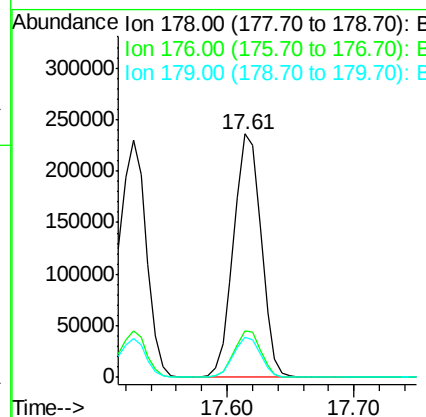
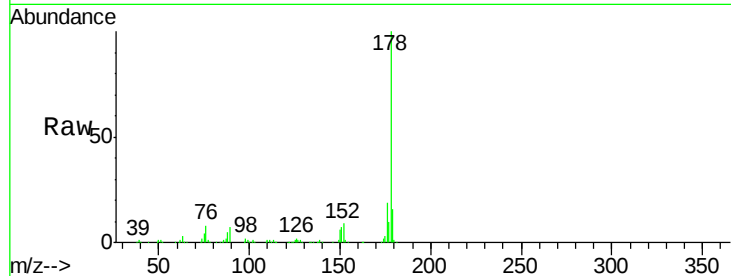




#71  
 Anthracene  
 Concen: 40.64 ng  
 RT: 17.61 min Scan# 2515  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

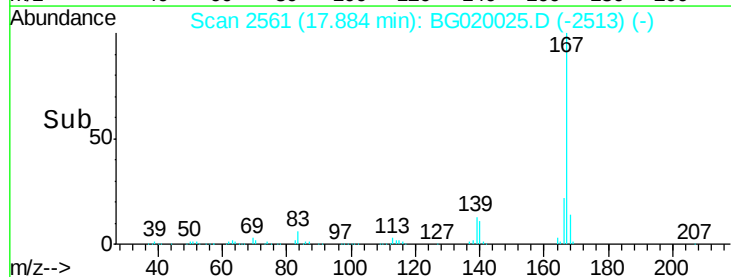
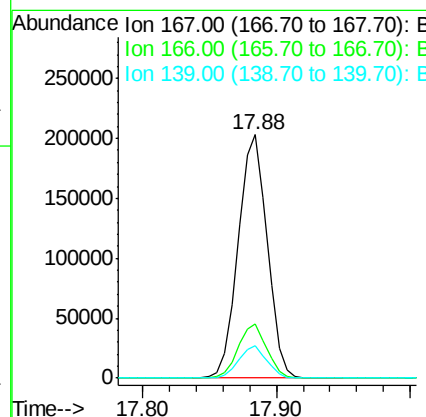
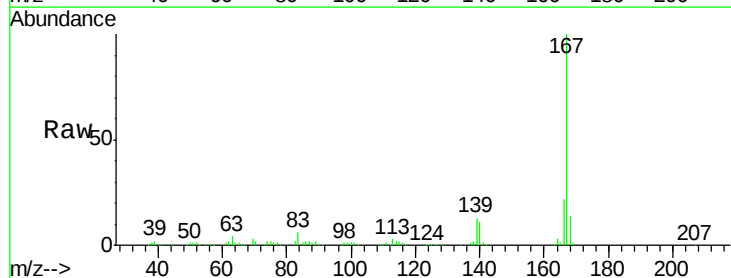
Instrument :  
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 ClientSampleId :  
 SSTDCCC040

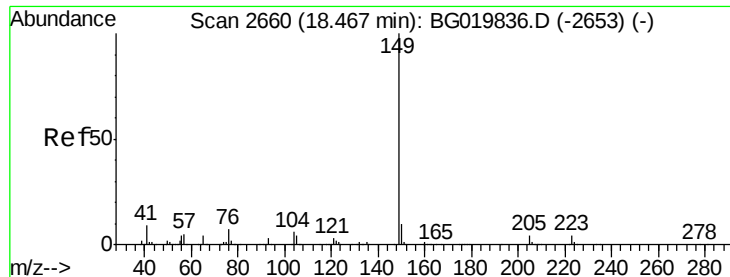
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 16.8  | 25.2  |
| 179     | 16.3  | 13.9  | 20.9  |



#72  
 Carbazole  
 Concen: 39.95 ng  
 RT: 17.88 min Scan# 2561  
 Delta R.T. -0.02 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.1  | 19.0  | 28.6  |
| 139     | 13.1  | 10.2  | 15.4  |

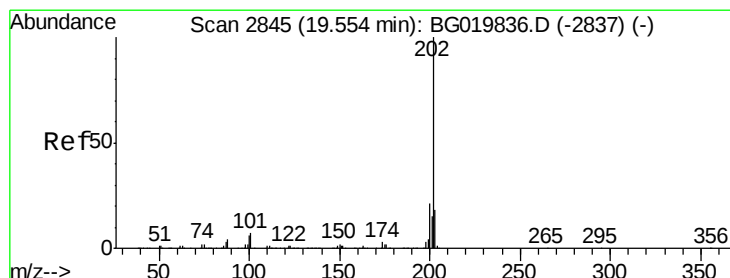
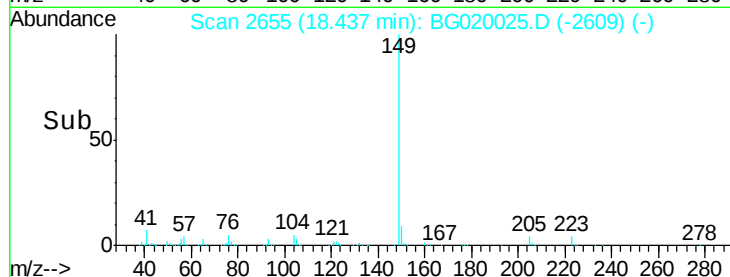
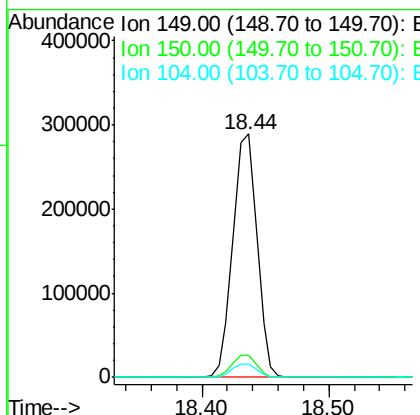
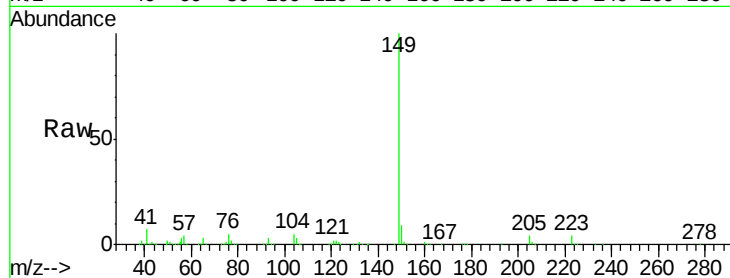




#73  
Di-n-butylphthalate  
Concen: 40.29 ng  
RT: 18.44 min Scan# 2655  
Delta R.T. -0.03 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

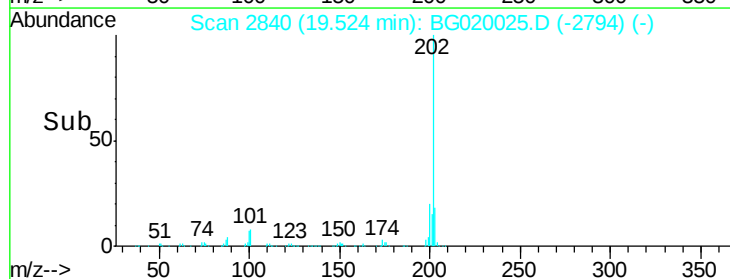
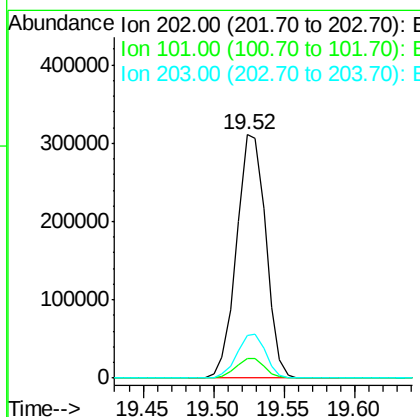
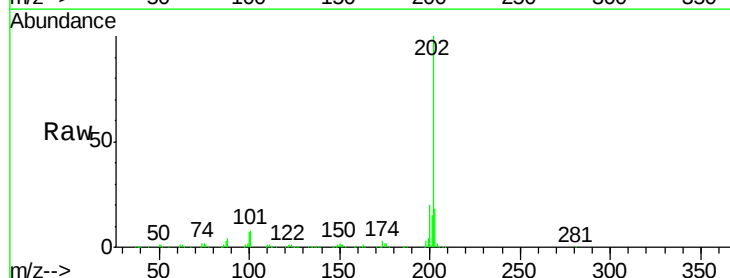
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

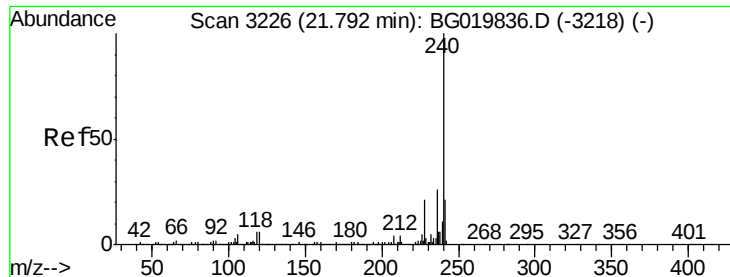
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 8.2   | 12.4  |
| 104     | 5.3   | 4.4   | 6.6   |



#74  
Fluoranthene  
Concen: 41.01 ng  
RT: 19.52 min Scan# 2840  
Delta R.T. -0.03 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.1   | 0.0   | 32.4  |
| 203     | 17.7  | 0.0   | 39.5  |

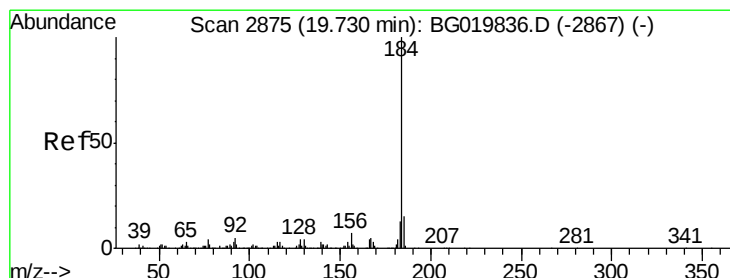
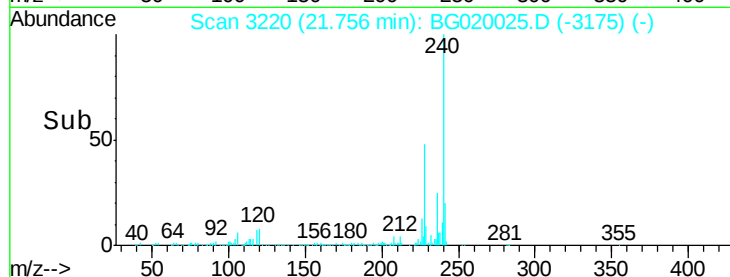
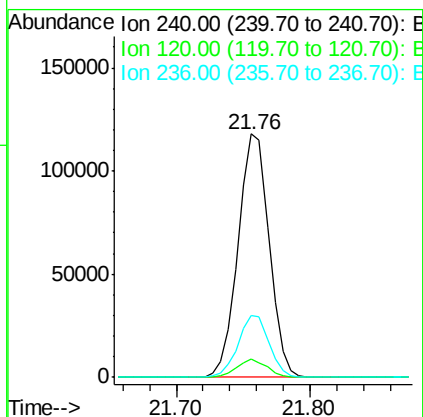
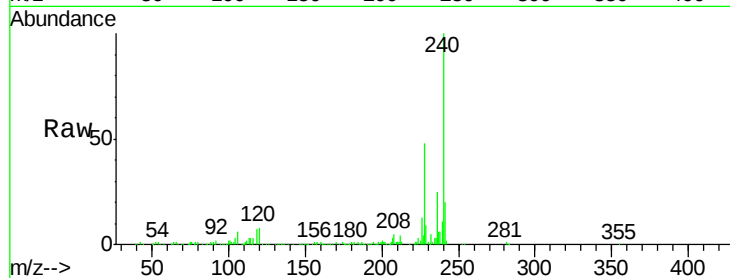




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.76 min Scan# 3220  
Delta R.T. -0.04 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

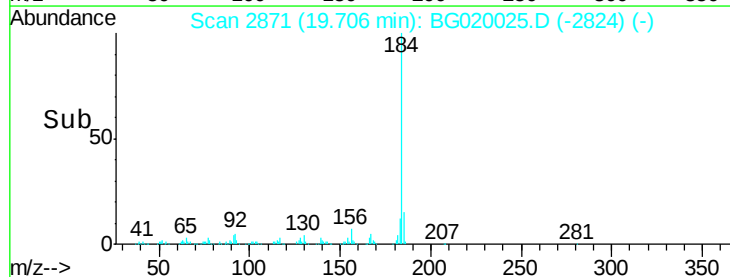
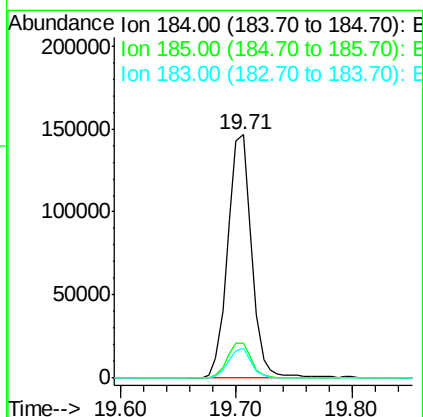
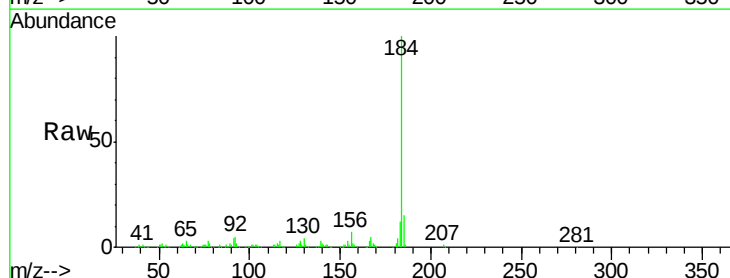
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

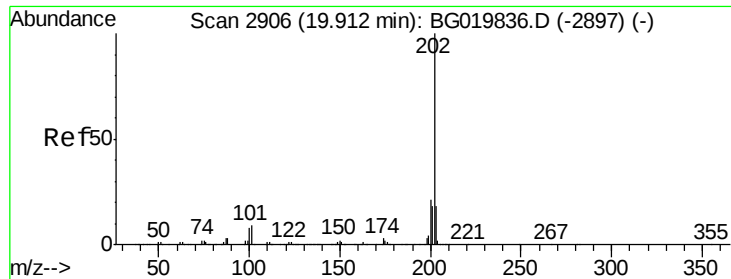
Tgt Ion:240 Resp: 189552  
Ion Ratio Lower Upper  
240 100  
120 7.7 7.4 11.0  
236 25.3 20.7 31.1



#76  
Benzidine  
Concen: 33.79 ng  
RT: 19.71 min Scan# 2871  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

Tgt Ion:184 Resp: 210369  
Ion Ratio Lower Upper  
184 100  
185 14.5 13.4 20.2  
183 12.2 10.1 15.1

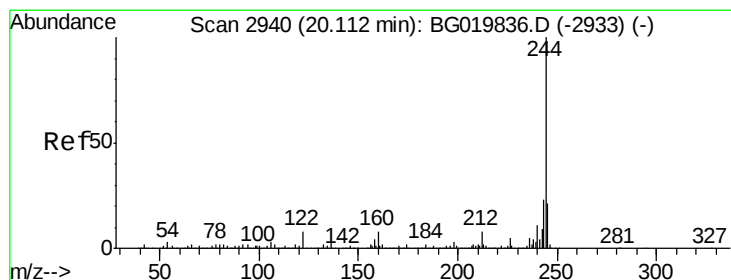
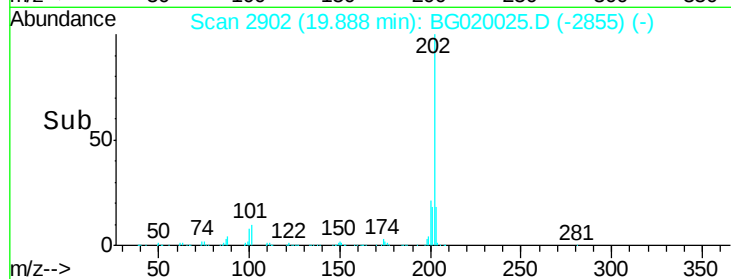
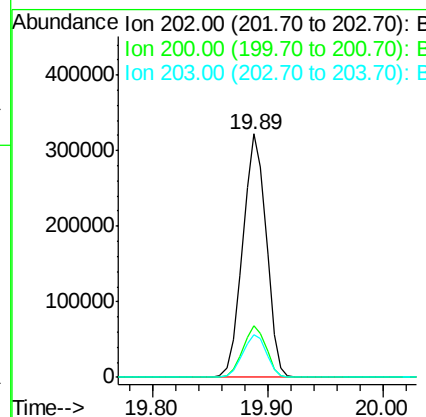
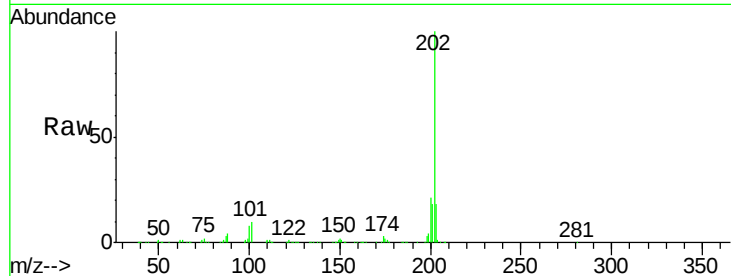




#77  
Pyrene  
Concen: 40.82 ng  
RT: 19.89 min Scan# 2902  
Delta R.T. -0.02 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

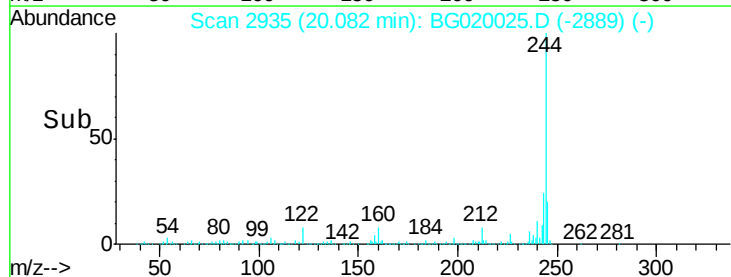
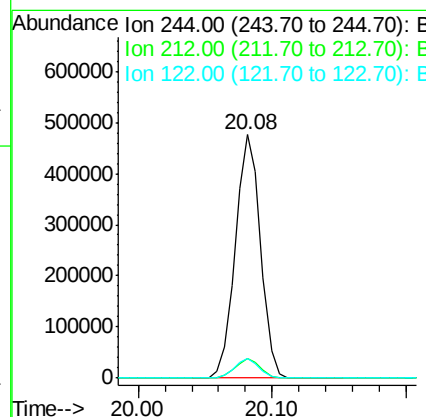
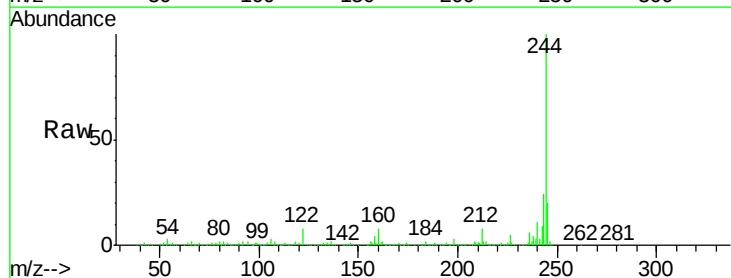
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040

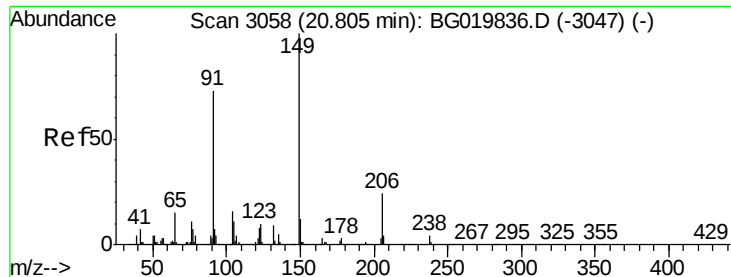
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.0  | 19.4  | 29.0  |
| 203     | 17.8  | 15.5  | 23.3  |



#78  
Terphenyl-d14  
Concen: 80.22 ng  
RT: 20.08 min Scan# 2935  
Delta R.T. -0.03 min  
Lab File: BG020025.D  
Acq: 9 Dec 2015 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.1   | 6.9   | 10.3  |
| 122     | 8.2   | 10.2  | 15.2# |





#79

Butylbenzylphthalate

Concen: 40.77 ng

RT: 20.77 min Scan# 3052

Delta R.T. -0.04 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

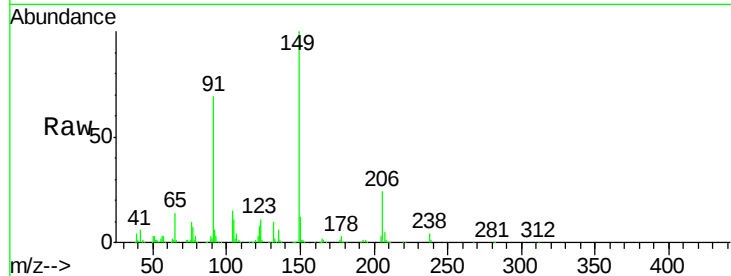
Tgt Ion:149 Resp: 178188

Ion Ratio Lower Upper

149 100

91 69.2 58.1 87.1

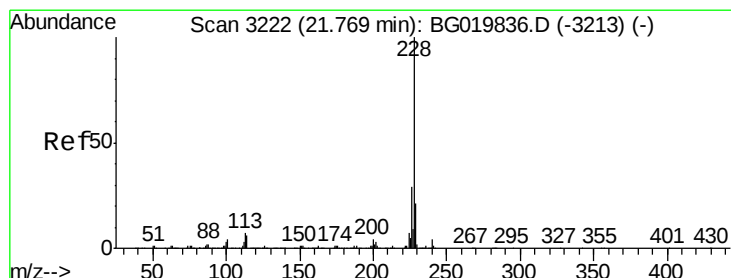
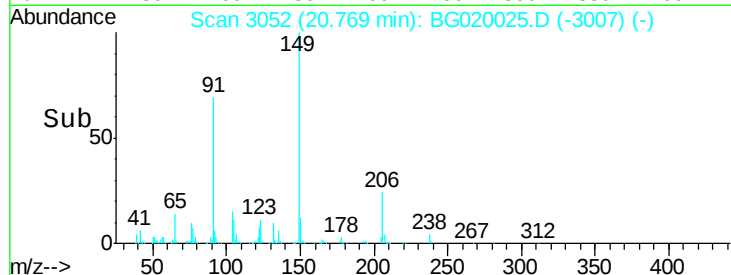
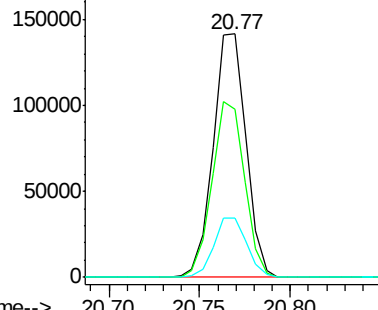
206 24.4 17.8 26.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 39.59 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.03 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

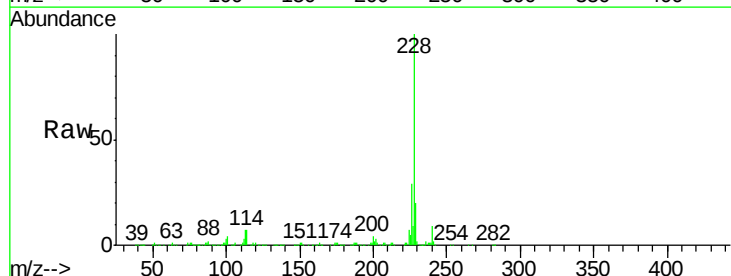
Tgt Ion:228 Resp: 459345

Ion Ratio Lower Upper

228 100

226 28.5 23.4 35.0

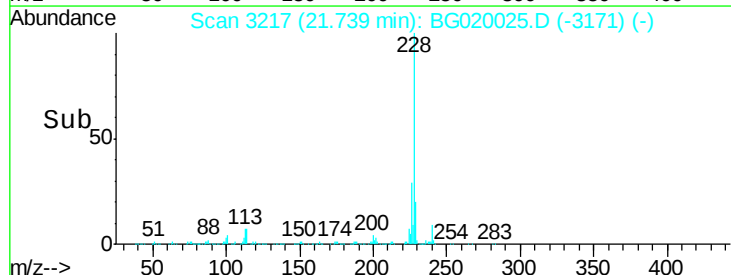
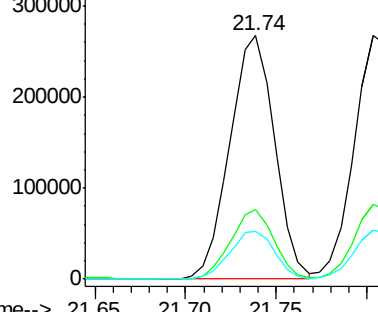
229 19.5 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

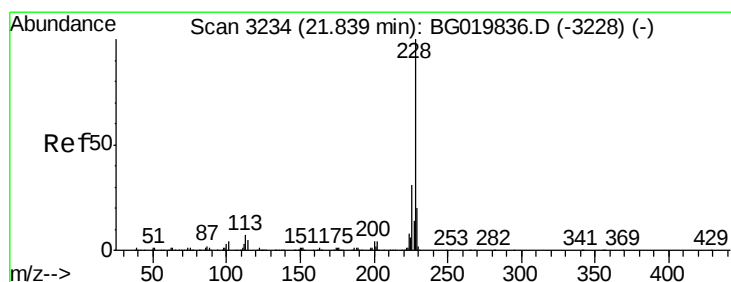
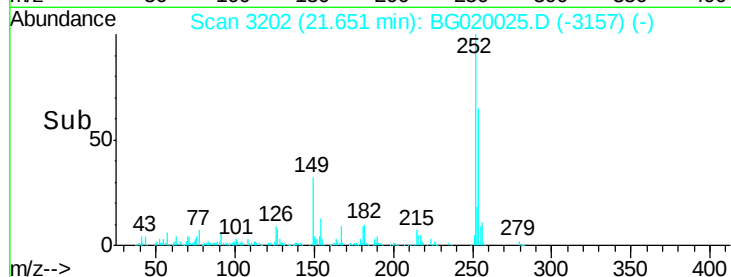
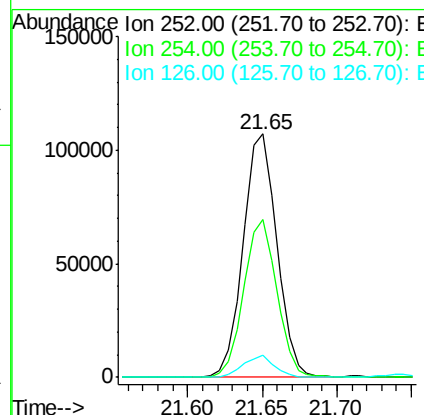
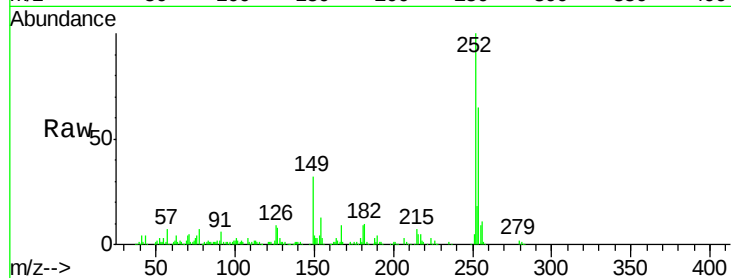




#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.01 ng  
 RT: 21.65 min Scan# 3202  
 Delta R.T. -0.04 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

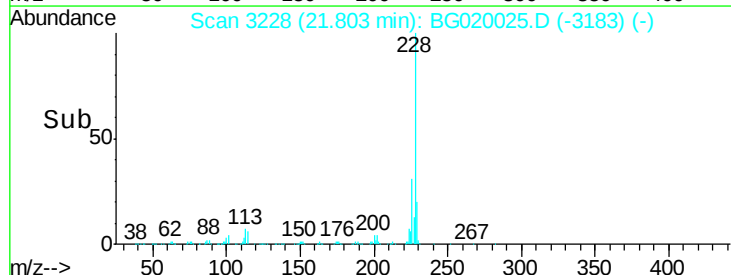
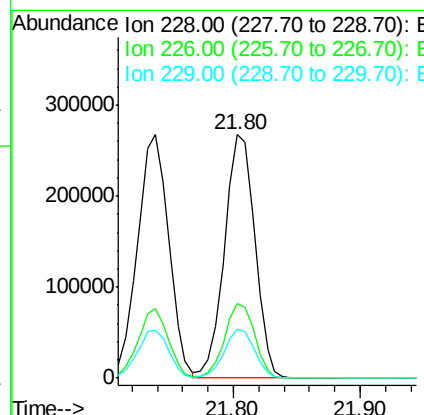
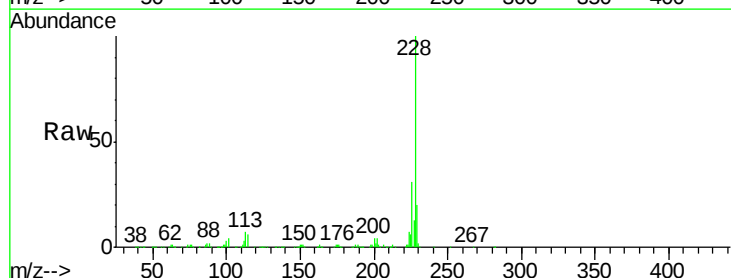
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 252 Resp: 167984  
 Ion Ratio Lower Upper  
 252 100  
 254 64.9 52.5 78.7  
 126 8.9 8.5 12.7



#82  
 Chrysene  
 Concen: 40.36 ng  
 RT: 21.80 min Scan# 3228  
 Delta R.T. -0.04 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Tgt Ion: 228 Resp: 444656  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 26.7 40.1  
 229 20.3 17.0 25.6

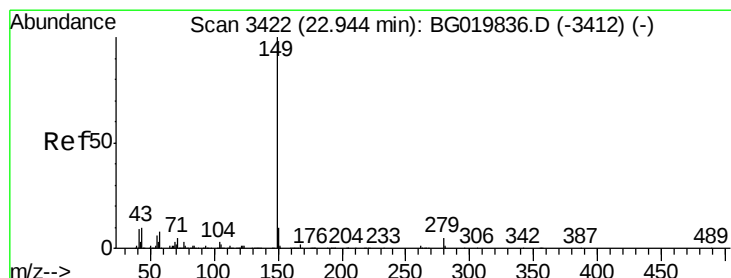
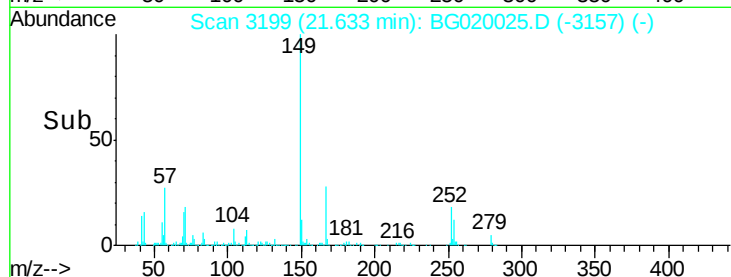
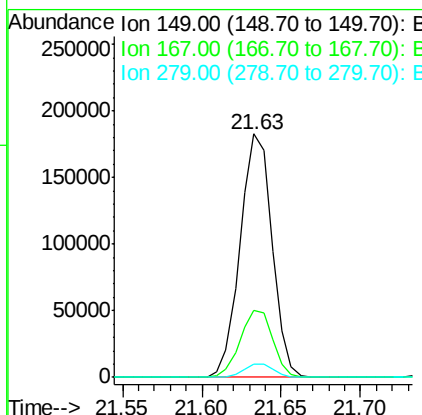
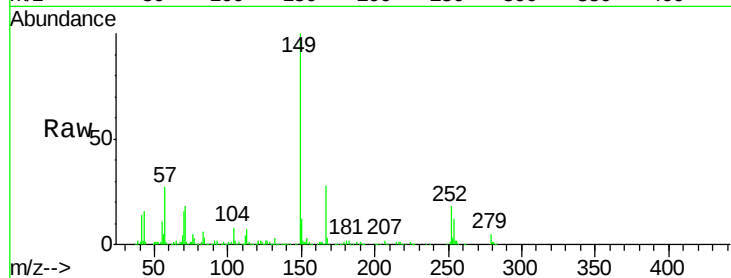




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 39.75 ng  
 RT: 21.63 min Scan# 3199  
 Delta R.T. -0.05 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

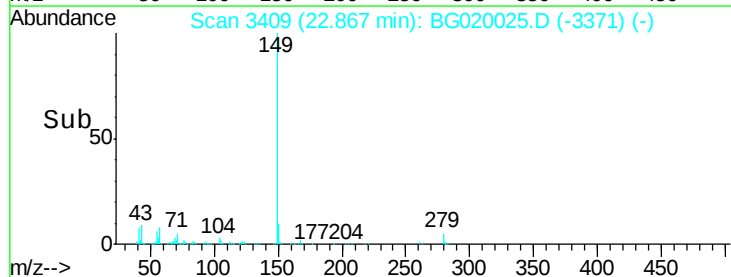
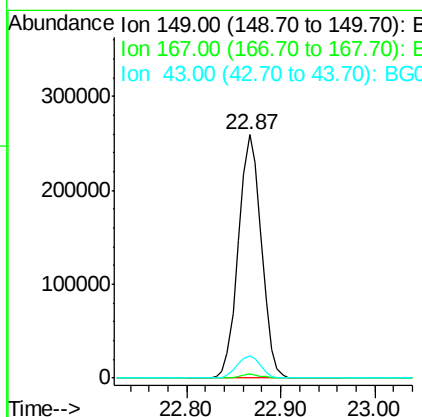
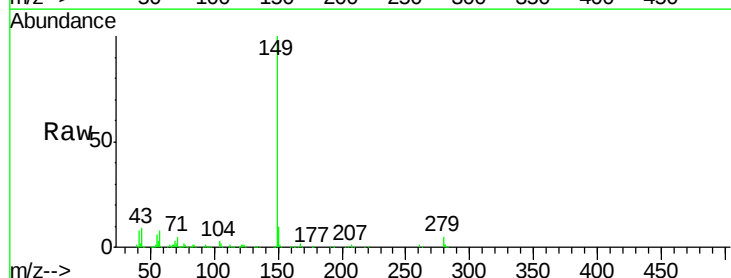
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

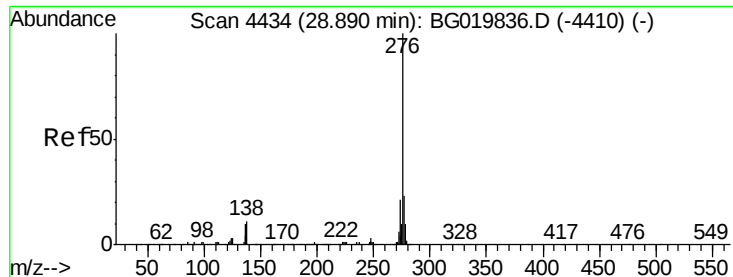
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.7  | 23.8  | 35.8  |
| 279     | 5.3   | 3.4   | 5.2#  |



#84  
 Di-n-octyl phthalate  
 Concen: 42.08 ng  
 RT: 22.87 min Scan# 3409  
 Delta R.T. -0.08 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 9.5   | 5.9   | 8.9#  |





#85

Indeno(1,2,3-cd)pyrene

Concen: 42.99 ng

RT: 28.78 min Scan# 4416

Delta R.T. -0.11 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

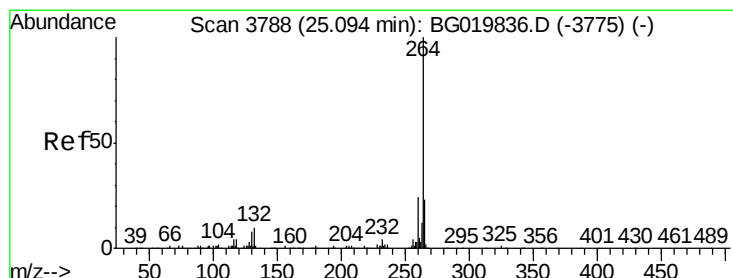
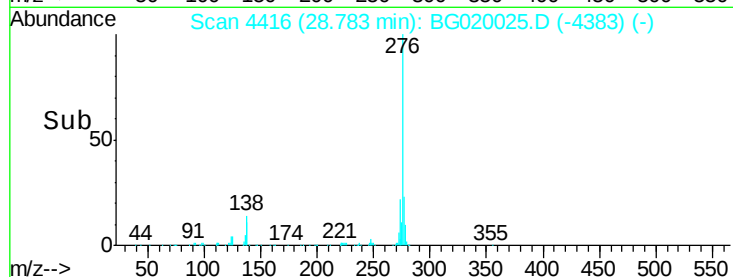
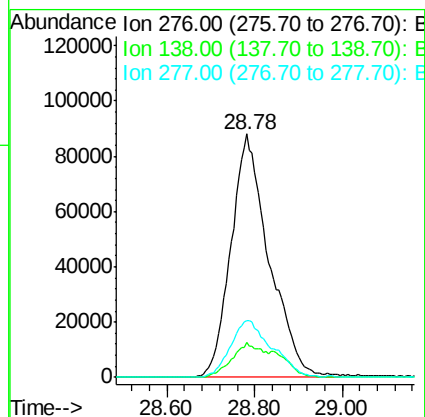
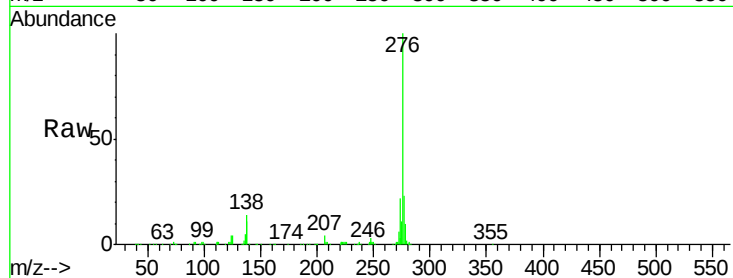
Tgt Ion:276 Resp: 521751

Ion Ratio Lower Upper

276 100

138 11.6 0.0 0.0#

277 25.5 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.03 min Scan# 3778

Delta R.T. -0.06 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

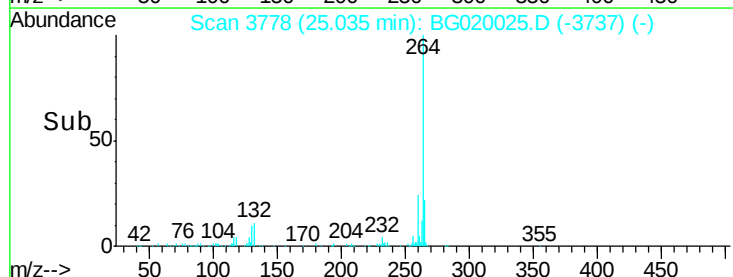
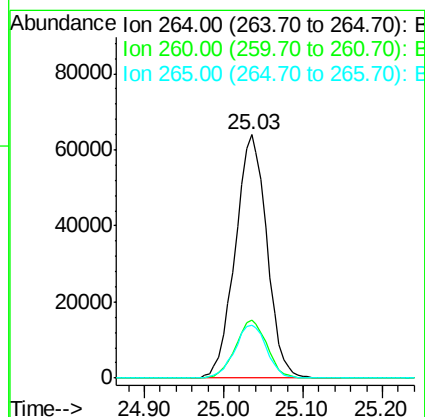
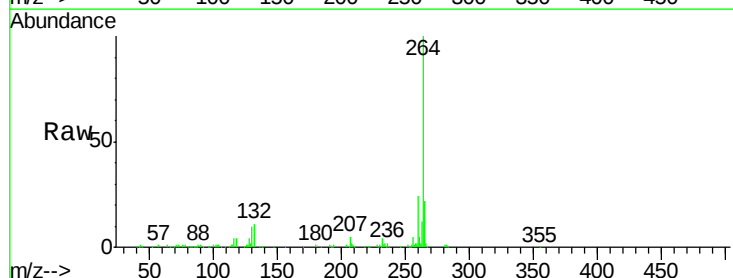
Tgt Ion:264 Resp: 175864

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 21.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 39.79 ng

RT: 23.99 min Scan# 3601

Delta R.T. -0.05 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

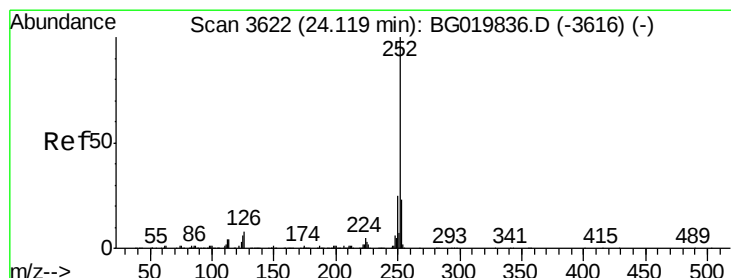
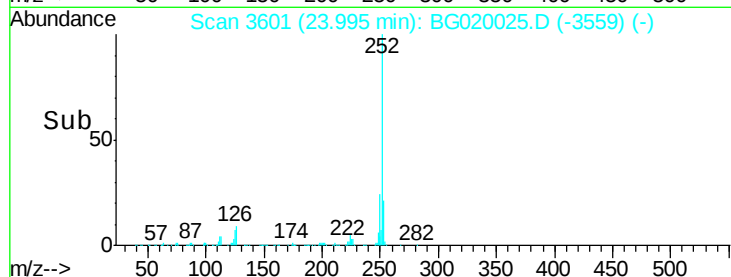
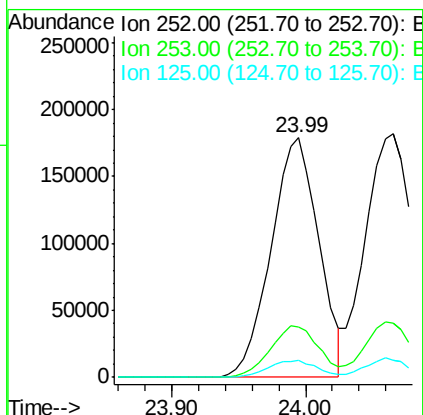
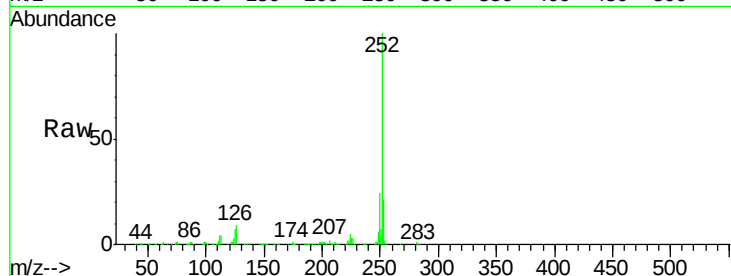
Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 443528 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.2  | 19.1  | 28.7   |
| 125       | 7.0   | 8.9   | 13.3#  |



#88

Benzo(k)fluoranthene

Concen: 40.45 ng

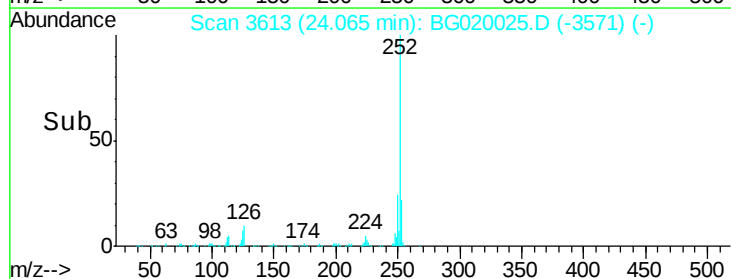
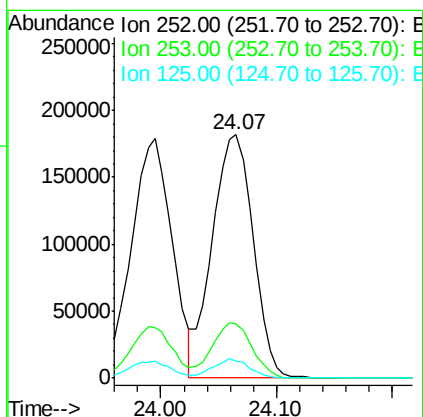
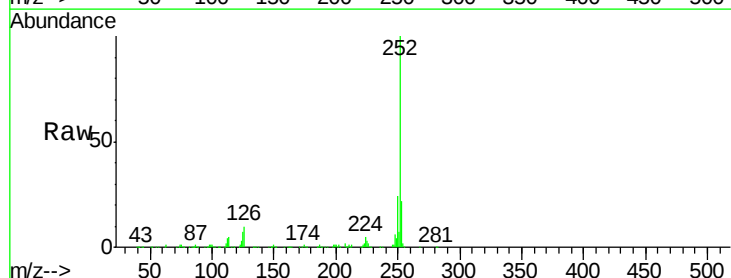
RT: 24.07 min Scan# 3613

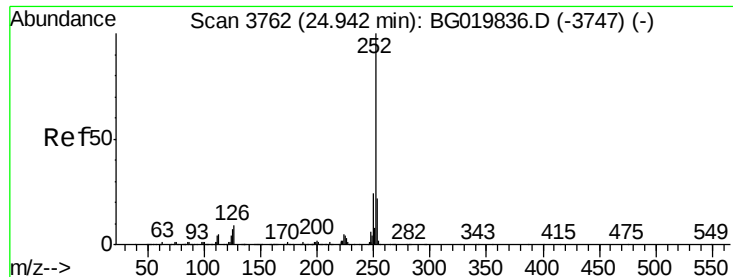
Delta R.T. -0.05 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 446515 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.3  | 19.0  | 28.4   |
| 125       | 7.0   | 8.9   | 13.3#  |





#89

Benzo(a)pyrene

Concen: 40.69 ng

RT: 24.88 min Scan# 3752

Delta R.T. -0.06 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

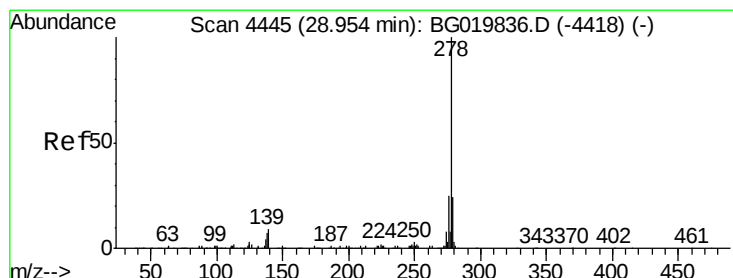
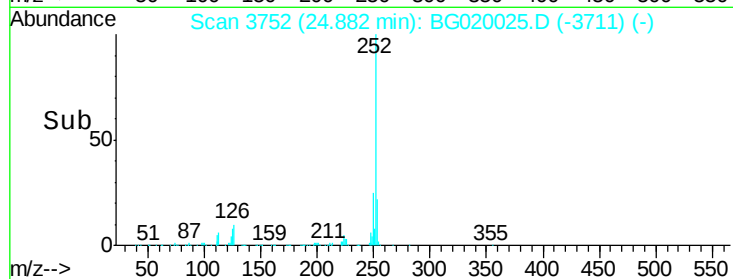
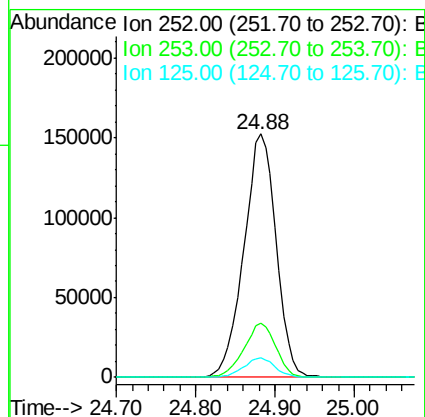
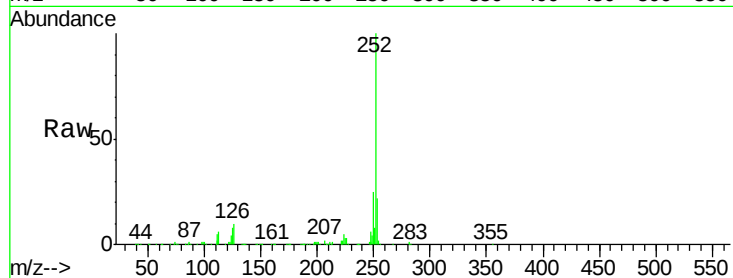
Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 430575 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 18.7  | 28.1   |
| 125       | 7.8   | 9.1   | 13.7#  |



#90

Dibenzo(a,h)anthracene

Concen: 40.96 ng

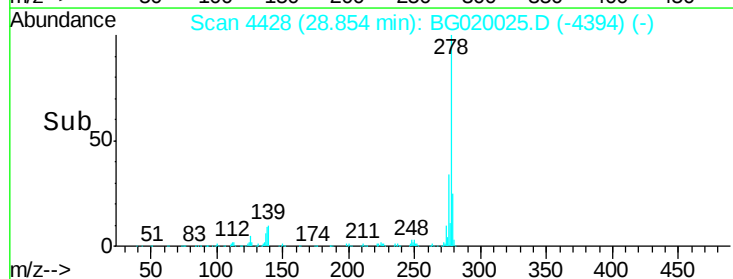
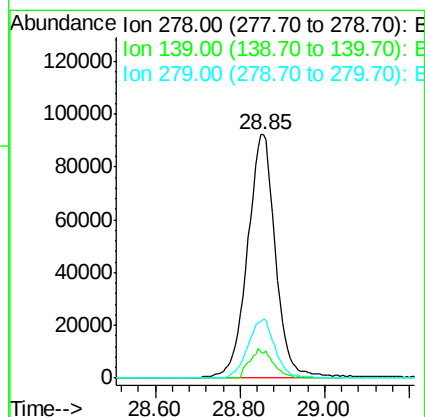
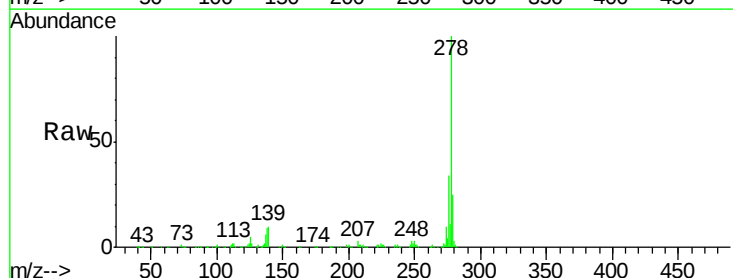
RT: 28.85 min Scan# 4428

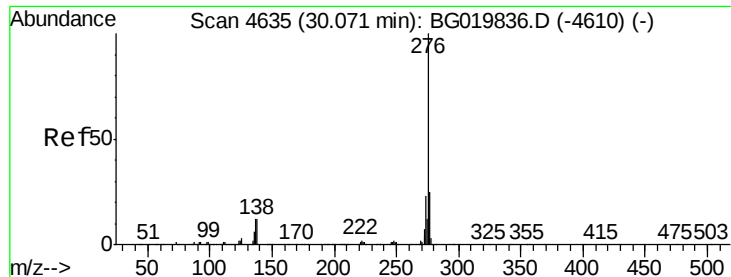
Delta R.T. -0.10 min

Lab File: BG020025.D

Acq: 9 Dec 2015 2:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 428239 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 10.1  | 13.8  | 20.6#  |
| 279       | 24.6  | 19.4  | 29.0   |





#91  
 Benzo(g,h,i)perylene  
 Concen: 41.48 ng  
 RT: 29.96 min Scan# 4617  
 Delta R.T. -0.11 min  
 Lab File: BG020025.D  
 Acq: 9 Dec 2015 2:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.4  | 27.6  |
| 138     | 14.8  | 17.4  | 26.0  |

