

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080915\  
 Data File : BG018329.D  
 Acq On : 9 Aug 2015 15:21  
 Operator : UM/TP  
 Sample : SSTD02081  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02081

Quant Time: Aug 10 07:34:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 10 07:27:00 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.07  | 152  | 81535    | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.87 | 136  | 359635   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.69 | 164  | 216240   | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 17.43 | 188  | 528161   | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.69 | 240  | 501138   | 20.00 | ng/ul | -0.02    |
| 86) Perylene-d12          | 24.93 | 264  | 503496   | 20.00 | ng/ul | -0.04    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.52  | 96  | 15194  | 8.23  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.22  | 99  | 151580 | 20.48 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.39  | 67  | 94294  | 20.56 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.60  | 132 | 113616 | 20.05 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.77  | 113 | 127415 | 20.49 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5            | 9.22  | 128 | 57704  | 20.58 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.95  | 143 | 60725  | 21.27 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.48 | 165 | 123876 | 20.44 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4         | 11.00 | 131 | 168228 | 24.57 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 14.09 | 166 | 377375 | 20.74 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.38 | 160 | 486311 | 21.23 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4           | 14.86 | 143 | 66194  | 20.23 | ng/ul | -0.02 |
| 58) Fluorene-d10               | 15.67 | 176 | 330697 | 20.87 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 15.78 | 200 | 51675  | 19.89 | ng/ul | -0.02 |
| 71) Anthracene-d10             | 17.53 | 188 | 521574 | 20.65 | ng/ul | -0.01 |
| 79) Pyrene-d10                 | 19.81 | 212 | 550736 | 21.18 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 24.71 | 264 | 553602 | 20.71 | ng/ul | -0.04 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 15948  | 8.07  | ng/uL | 94     |
| 4) Benzaldehyde                | 7.21  | 77  | 101268 | 23.33 | ng/ul | 95     |
| 6) Phenol                      | 7.24  | 94  | 154895 | 20.52 | ng/ul | 97     |
| 8) Bis(2-Chloroethyl)ether     | 7.48  | 93  | 122233 | 21.05 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.63  | 128 | 119708 | 20.72 | ng/ul | 94     |
| 11) 2-Methylphenol             | 8.50  | 108 | 122089 | 20.86 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.61  | 45  | 195688 | 20.99 | ng/ul | 98     |
| 14) Acetophenone               | 8.89  | 105 | 191971 | 21.38 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.88  | 70  | 105829 | 20.53 | ng/ul | 97     |
| 16) 4-Methylphenol             | 8.83  | 108 | 129382 | 20.26 | ng/ul | 91     |
| 17) Hexachloroethane           | 9.15  | 117 | 50060  | 20.11 | ng/ul | 96     |
| 20) Nitrobenzene               | 9.26  | 77  | 147721 | 20.88 | ng/ul | 97     |
| 21) Isophorone                 | 9.80  | 82  | 283672 | 20.85 | ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.98  | 139 | 66038  | 20.83 | ng/ul | 97     |
| 24) 2,4-Dimethylphenol         | 10.03 | 107 | 144304 | 20.31 | ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 10.28 | 93  | 178171 | 21.01 | ng/ul | 94     |
| 27) 2,4-Dichlorophenol         | 10.51 | 162 | 118049 | 20.79 | ng/ul | 97     |
| 28) Naphthalene                | 10.92 | 128 | 401124 | 21.10 | ng/ul | 98     |
| 30) 4-Chloroaniline            | 11.03 | 127 | 171718 | 24.65 | ng/ul | 97     |
| 31) Hexachlorobutadiene        | 11.22 | 225 | 74237  | 20.71 | ng/ul | 92     |
| 32) Caprolactam                | 11.79 | 113 | 35323  | 16.36 | ng/ul | 88     |
| 33) 4-Chloro-3-methylphenol    | 12.13 | 107 | 134859 | 20.50 | ng/ul | 95     |
| 34) 2-Methylnaphthalene        | 12.52 | 142 | 288909 | 20.99 | ng/ul | 94     |

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 Sample : SSTD02081  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

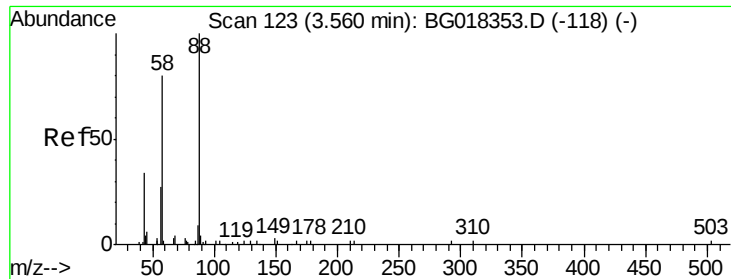
Instrument :  
 BNA\_G  
 ClientSampleID :  
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Quant Time: Aug 10 07:34:29 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 10 07:27:00 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.74 | 142  | 285409   | 21.23 | ng/ul  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216  | 144299   | 20.81 | ng/ul  | 97       |
| 38) Hexachlorocyclopentadiene  | 12.87 | 237  | 88165    | 21.36 | ng/ul# | 96       |
| 39) 2,4,6-Trichlorophenol      | 13.12 | 196  | 99755    | 21.12 | ng/ul  | 97       |
| 40) 2,4,5-Trichlorophenol      | 13.19 | 196  | 106740   | 21.02 | ng/ul  | 100      |
| 41) 1,1'-Biphenyl              | 13.52 | 154  | 380987   | 21.11 | ng/ul  | 98       |
| 42) 2-Chloronaphthalene        | 13.57 | 162  | 292697   | 20.88 | ng/ul  | 95       |
| 43) 2-Nitroaniline             | 13.75 | 65   | 93486    | 20.66 | ng/ul  | 92       |
| 45) Dimethylphthalate          | 14.14 | 163  | 376291   | 20.97 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 14.25 | 165  | 75479    | 21.12 | ng/ul  | 97       |
| 48) Acenaphthylene             | 14.41 | 152  | 487456   | 21.21 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.58 | 138  | 80961    | 22.21 | ng/ul  | 98       |
| 50) Acenaphthene               | 14.75 | 153  | 336896   | 20.90 | ng/ul  | 99       |
| 53) 4-Nitrophenol              | 14.88 | 109  | 60298    | 21.19 | ng/ul  | 93       |
| 54) Dibenzofuran               | 15.08 | 168  | 448026   | 21.27 | ng/ul  | 97       |
| 55) 2,4-Dinitrotoluene         | 15.03 | 165  | 107009   | 20.98 | ng/ul  | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.30 | 232  | 94026    | 21.25 | ng/ul# | 96       |
| 57) Diethylphthalate           | 15.50 | 149  | 393000   | 20.61 | ng/ul  | 96       |
| 59) Fluorene                   | 15.73 | 166  | 373610   | 20.62 | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.73 | 204  | 182026   | 21.23 | ng/ul  | 98       |
| 61) 4-Nitroaniline             | 15.74 | 138  | 84266    | 20.93 | ng/ul  | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 53999    | 19.49 | ng/ul  | 95       |
| 65) N-Nitrosodiphenylamine     | 15.93 | 169  | 321277   | 20.22 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.62 | 248  | 115595   | 20.24 | ng/ul  | 100      |
| 67) Hexachlorobenzene          | 16.73 | 284  | 122276   | 20.24 | ng/ul  | 99       |
| 68) Atrazine                   | 16.88 | 200  | 127988   | 21.52 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 17.07 | 266  | 81492    | 20.14 | ng/ul  | 93       |
| 70) Phenanthrene               | 17.47 | 178  | 579615   | 20.23 | ng/ul  | 97       |
| 72) Anthracene                 | 17.56 | 178  | 599154   | 20.52 | ng/ul  | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.49 | 216  | 149614   | 20.47 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 15.01 | 250  | 140128   | 20.08 | ng/uL  | 84       |
| 75) Carbazole                  | 17.83 | 167  | 562980   | 21.99 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.40 | 149  | 691460   | 20.67 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.47 | 202  | 697483   | 22.79 | ng/ul  | 98       |
| 80) Pyrene                     | 19.83 | 202  | 718750   | 21.21 | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.73 | 149  | 297487   | 20.75 | ng/ul  | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.59 | 252  | 238925   | 22.96 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.67 | 228  | 650074   | 20.92 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 422738   | 20.87 | ng/ul  | 99       |
| 85) Chrysene                   | 21.74 | 228  | 603929   | 20.79 | ng/ul  | 96       |
| 87) Di-n-octyl phthalate       | 22.83 | 149  | 739575   | 22.77 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.90 | 252  | 655499   | 20.72 | ng/ul  | 100      |
| 89) Benzo(k)fluoranthene       | 23.97 | 252  | 625279   | 20.53 | ng/ul  | 97       |
| 91) Benzo(a)pyrene             | 24.78 | 252  | 628696   | 20.90 | ng/ul  | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.61 | 276  | 715278   | 20.55 | ng/ul  | 100      |
| 93) Dibenzo(a,h)anthracene     | 28.69 | 278  | 589429   | 20.39 | ng/ul  | 97       |
| 94) Benzo(g,h,i)perylene       | 29.76 | 276  | 595580   | 20.38 | ng/ul  | 98       |

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





#2

1,4-Dioxane

Concen: 8.07 ng/uL

RT: 3.57 min Scan# 124

Delta R.T. 0.01 min

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Instrument :

BNA\_G

ClientSampleId :

SSTD02081

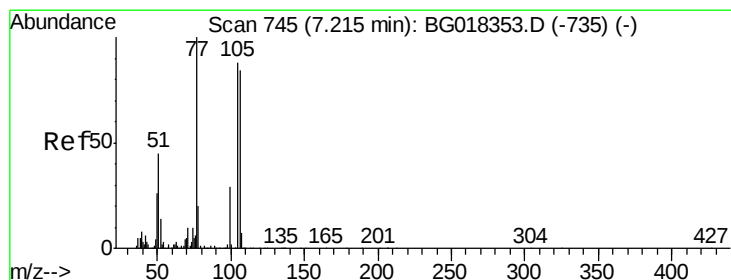
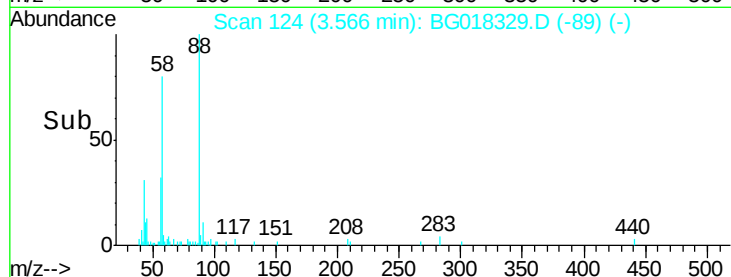
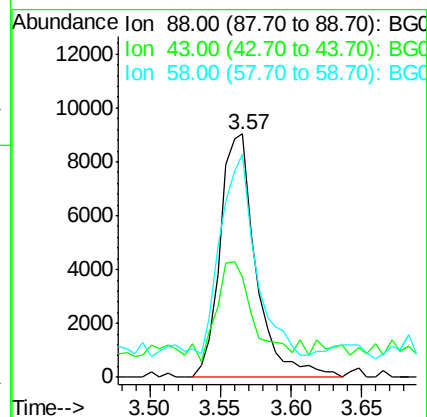
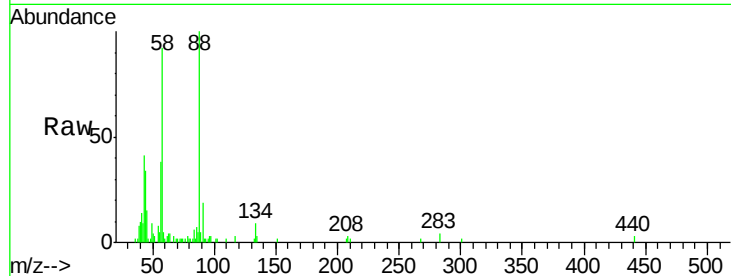
Tgt Ion: 88 Resp: 15948

Ion Ratio Lower Upper

88 100

43 41.2 31.8 47.6

58 91.7 79.6 119.4



#4

Benzaldehyde

Concen: 23.33 ng/uL

RT: 7.21 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

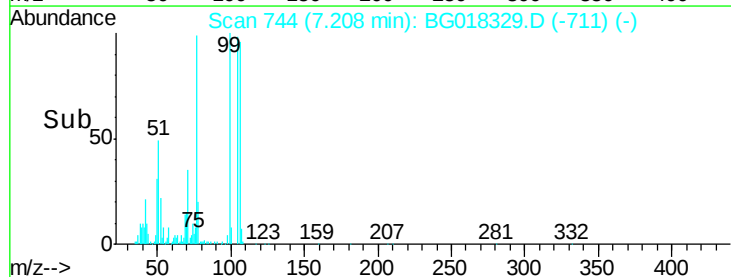
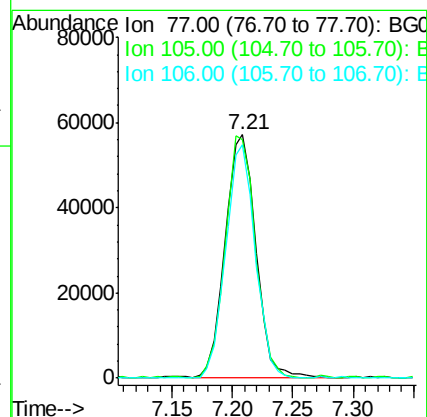
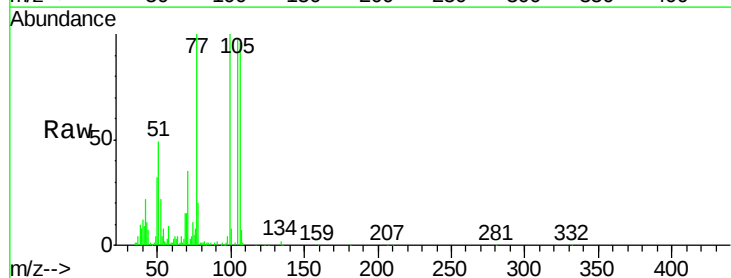
Tgt Ion: 77 Resp: 101268

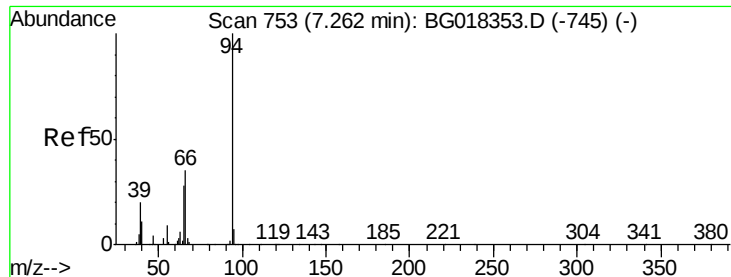
Ion Ratio Lower Upper

77 100

105 97.7 74.6 112.0

106 96.0 73.4 110.0





#6

Phenol

Concen: 20.52 ng/ul

RT: 7.24 min Scan# 750

Delta R.T. -0.02 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

Instrument :

BNA\_G

ClientSampleId :

SSTD02081

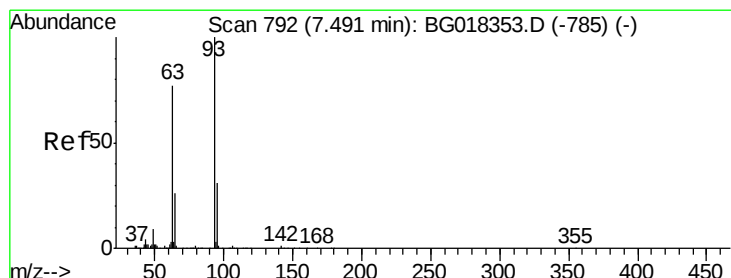
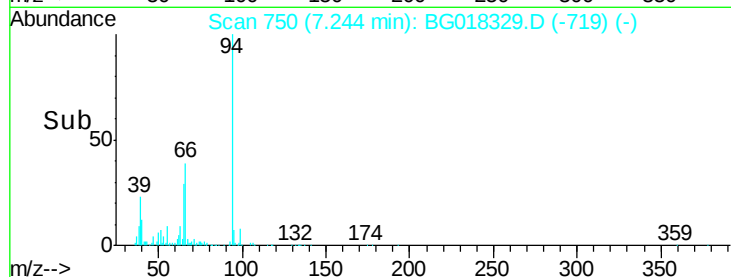
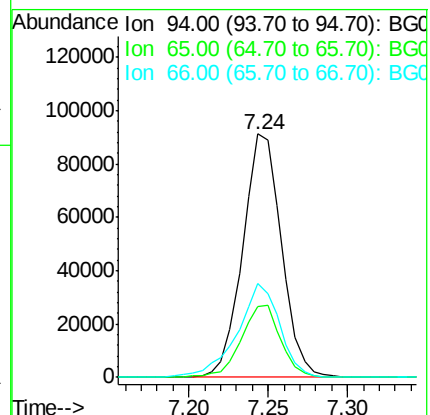
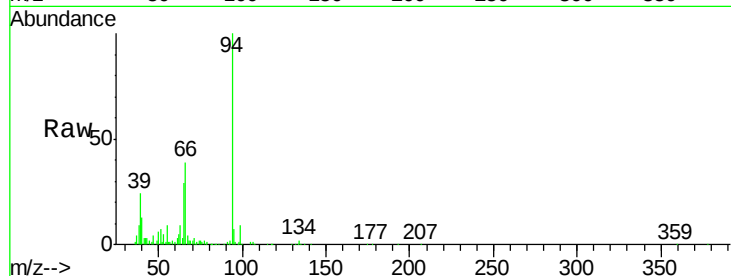
Tgt Ion: 94 Resp: 154895

Ion Ratio Lower Upper

94 100

65 28.8 21.2 31.8

66 38.7 30.2 45.4



#8

Bis(2-Chloroethyl)ether

Concen: 21.05 ng/ul

RT: 7.48 min Scan# 791

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

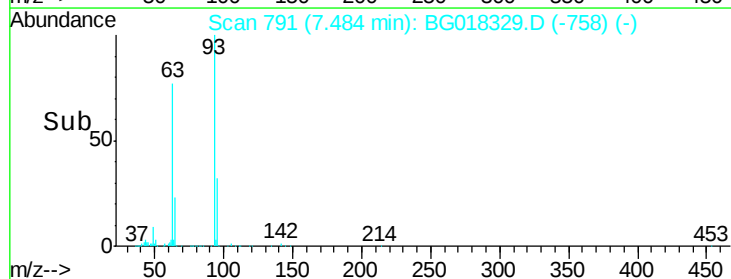
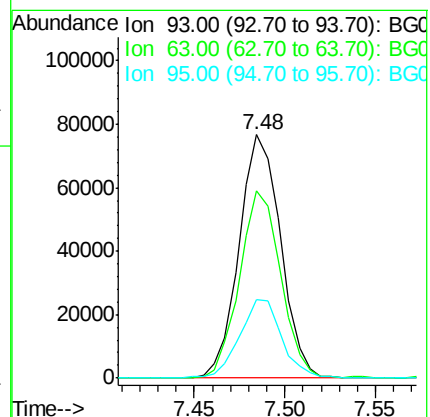
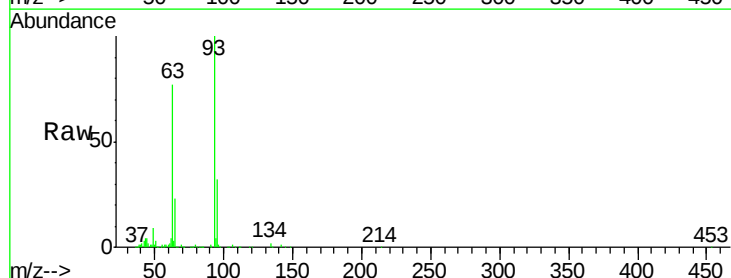
Tgt Ion: 93 Resp: 122233

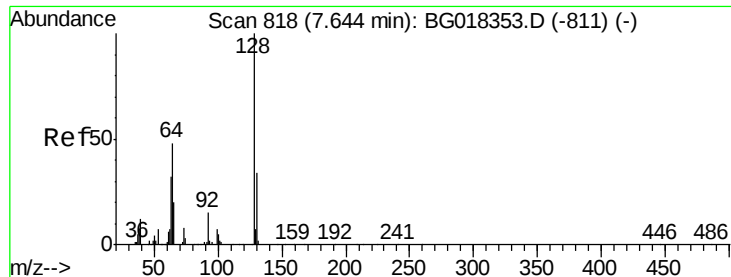
Ion Ratio Lower Upper

93 100

63 76.8 62.5 93.7

95 32.4 27.0 40.6

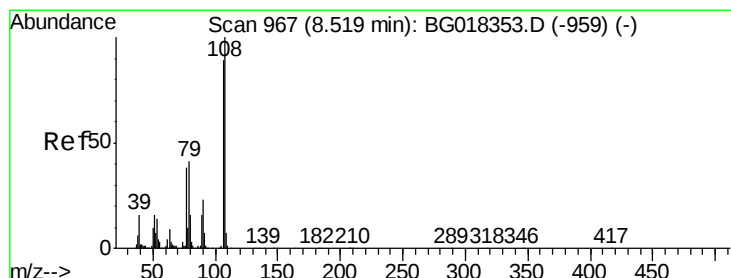
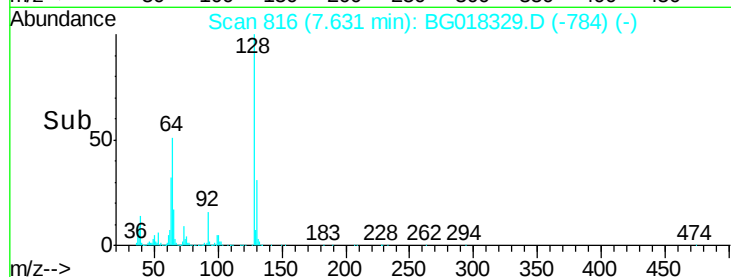
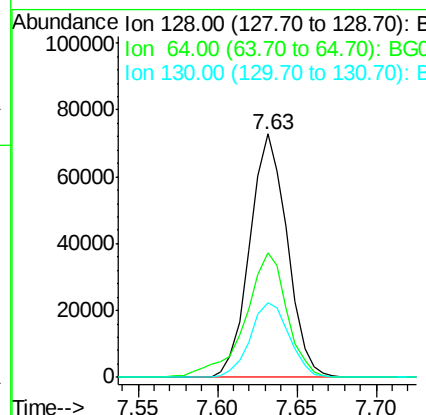
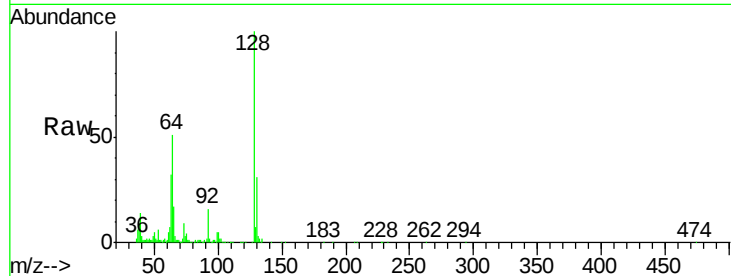




#10  
2-Chlorophenol  
Concen: 20.72 ng/ul  
RT: 7.63 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

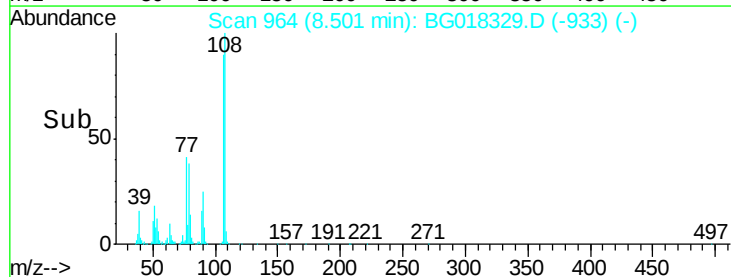
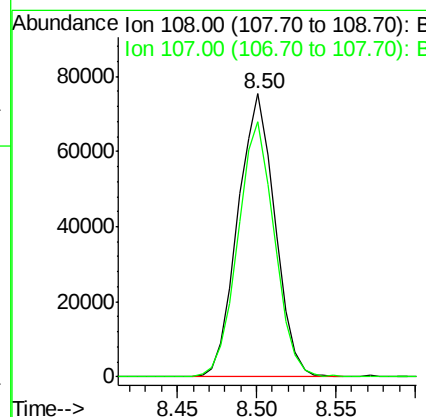
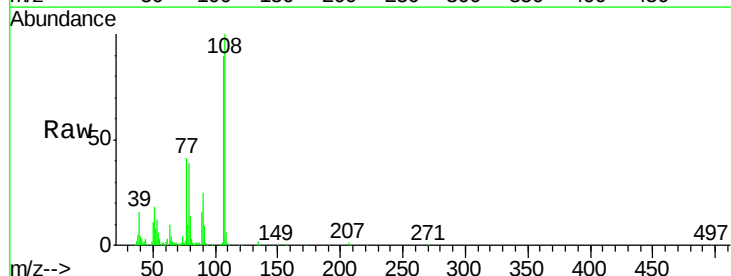
Instrument :  
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ClientSampleId :  
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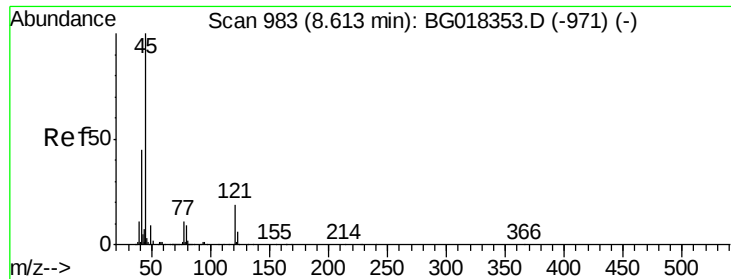
Tgt Ion:128 Resp: 119708  
Ion Ratio Lower Upper  
128 100  
64 51.1 45.7 68.5  
130 30.6 25.1 37.7



#11  
2-Methylphenol  
Concen: 20.86 ng/ul  
RT: 8.50 min Scan# 964  
Delta R.T. -0.02 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

Tgt Ion:108 Resp: 122089  
Ion Ratio Lower Upper  
108 100  
107 90.1 72.8 109.2

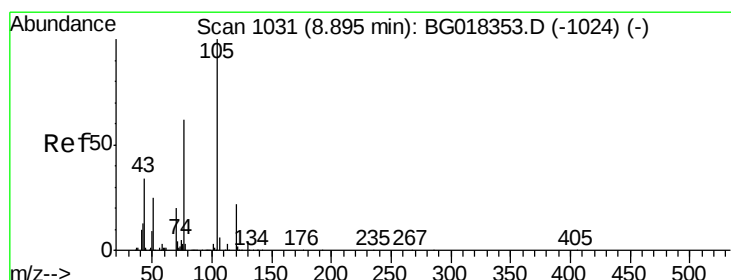
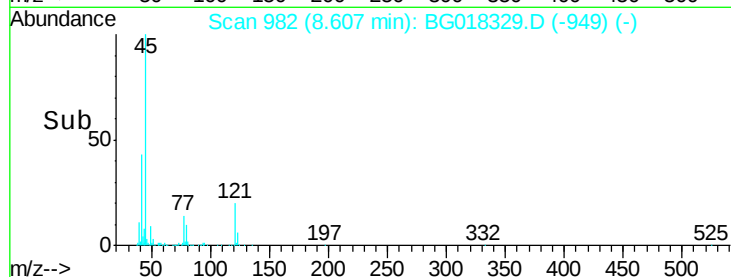
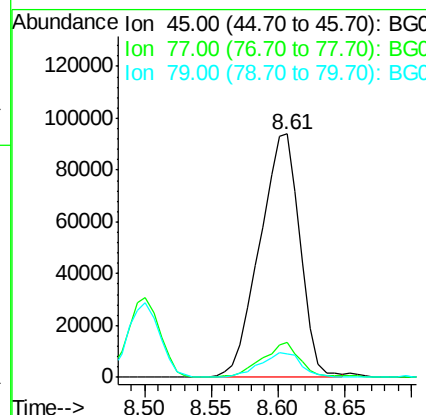
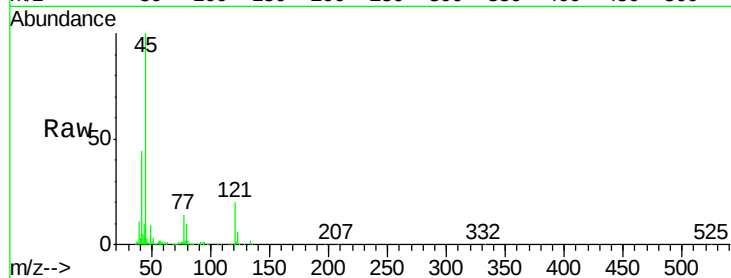




#12  
2,2'-oxybis(1-Chloropropane)  
Concen: 20.99 ng/ul  
RT: 8.61 min Scan# 982  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

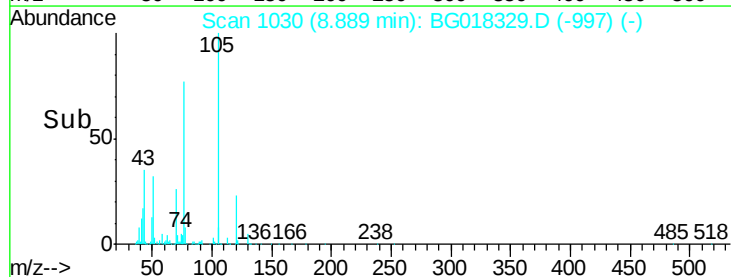
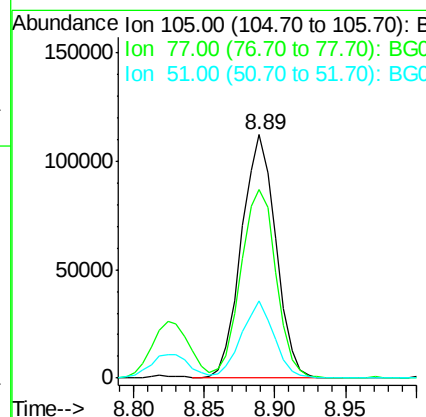
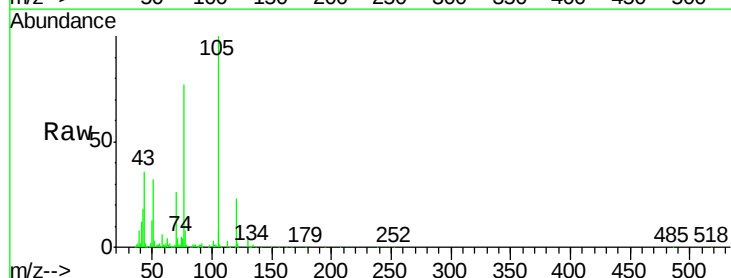
Instrument :  
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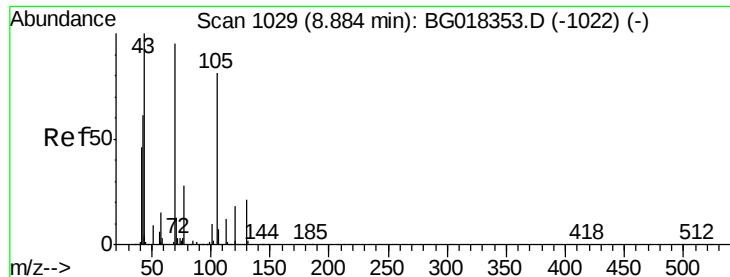
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Ion Ratio Lower Upper  
45 100  
77 14.1 10.3 15.5  
79 9.8 8.1 12.1



#14  
Acetophenone  
Concen: 21.38 ng/ul  
RT: 8.89 min Scan# 1030  
Delta R.T. -0.01 min  
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Tgt Ion: 105 Resp: 191971  
Ion Ratio Lower Upper  
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51 31.9 24.0 36.0

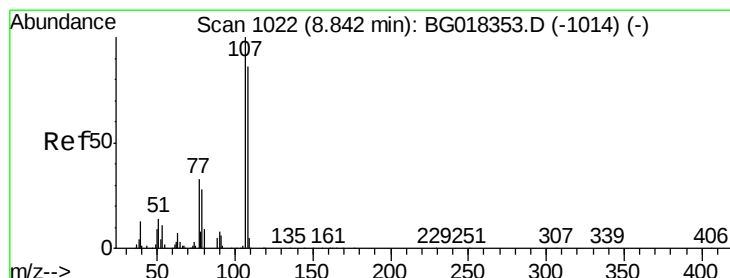
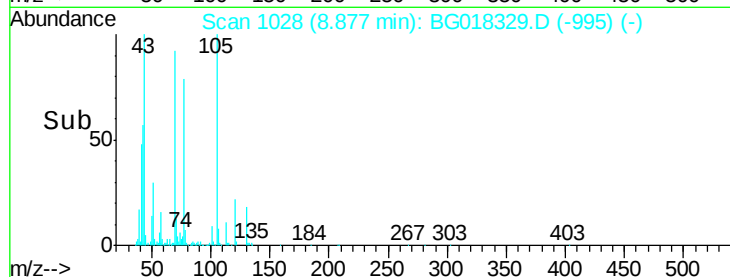
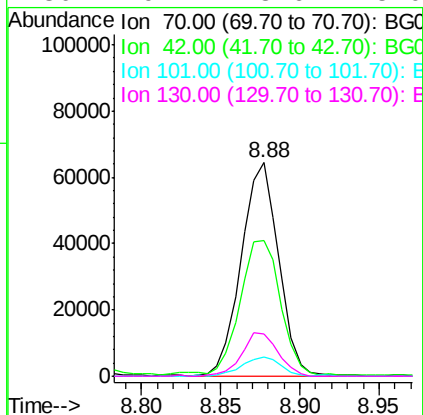
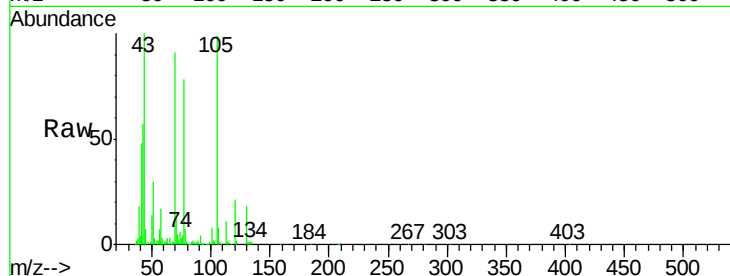




#15  
N-Nitroso-di-n-propylamine  
Concen: 20.53 ng/ul  
RT: 8.88 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

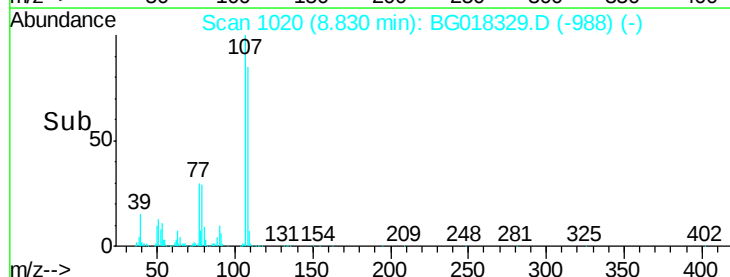
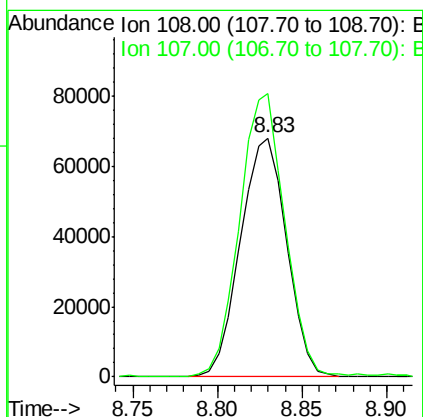
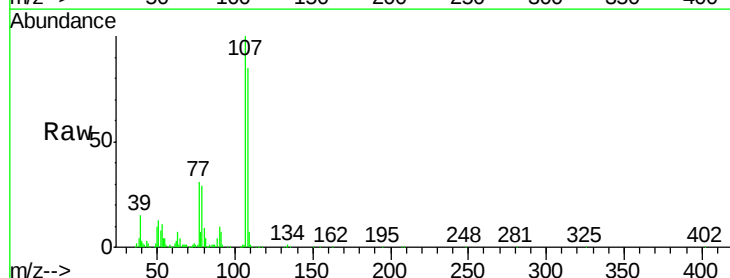
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02081

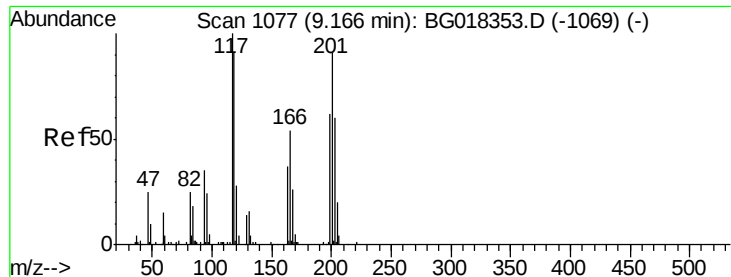
Tgt Ion: 70 Resp: 105829  
Ion Ratio Lower Upper  
70 100  
42 63.4 49.8 74.8  
101 9.3 8.6 12.8  
130 19.7 18.6 28.0



#16  
4-Methylphenol  
Concen: 20.26 ng/ul  
RT: 8.83 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

Tgt Ion: 108 Resp: 129382  
Ion Ratio Lower Upper  
108 100  
107 118.3 86.9 130.3

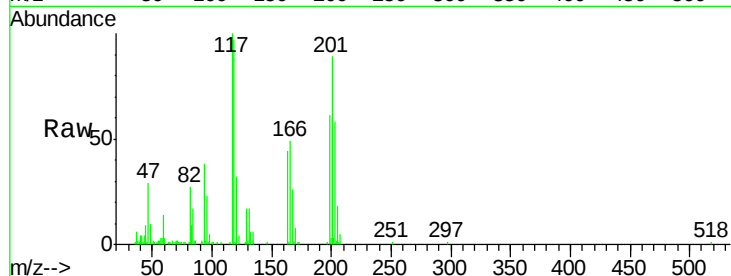




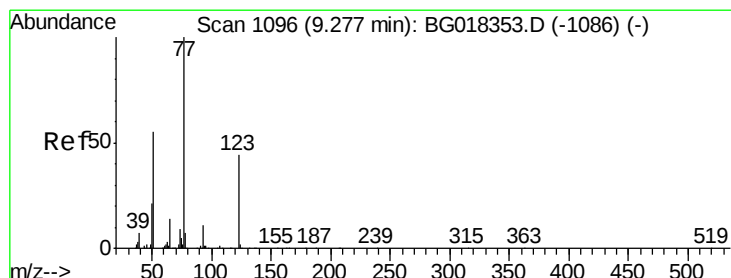
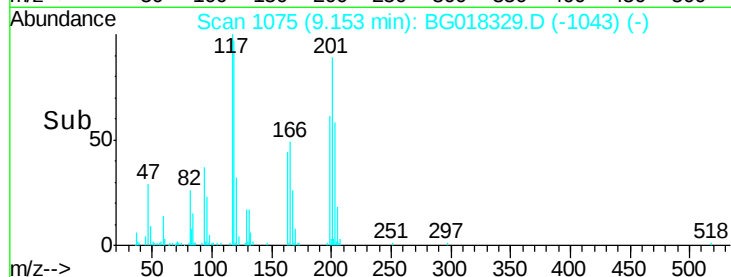
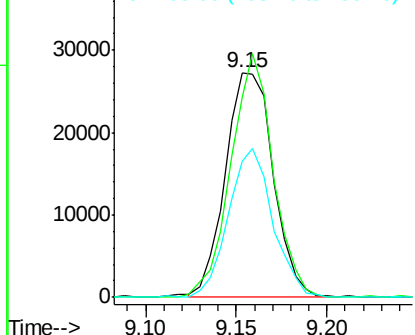
#17  
Hexachloroethane  
Concen: 20.11 ng/ul  
RT: 9.15 min Scan# 1075  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02081

Tgt Ion: 117 Resp: 50060  
Ion Ratio Lower Upper  
117 100  
201 92.0 70.4 105.6  
199 60.7 50.6 75.8

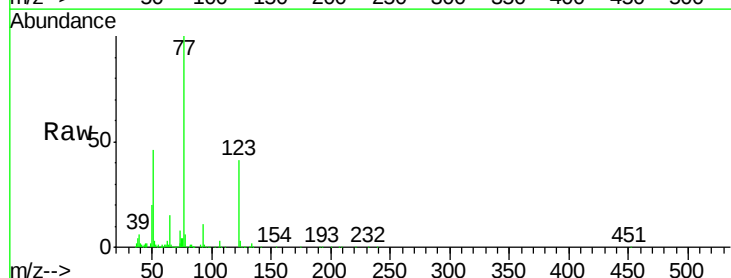


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

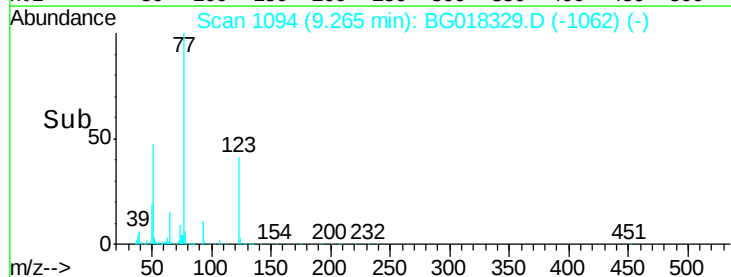
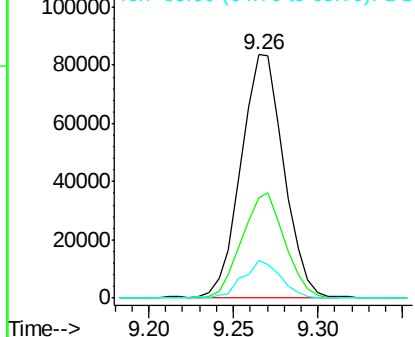


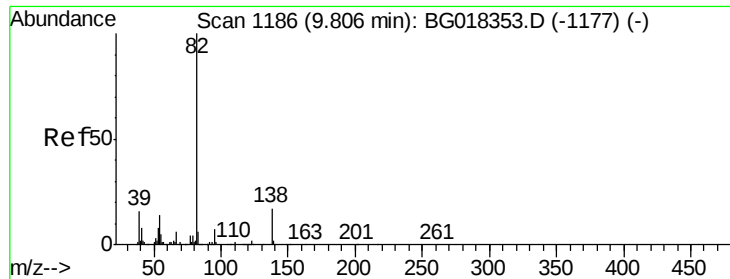
#20  
Nitrobenzene  
Concen: 20.88 ng/ul  
RT: 9.26 min Scan# 1094  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

Tgt Ion: 77 Resp: 147721  
Ion Ratio Lower Upper  
77 100  
123 41.0 33.7 50.5  
65 15.2 10.5 15.7



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): E  
Ion 65.00 (64.70 to 65.70): BGC

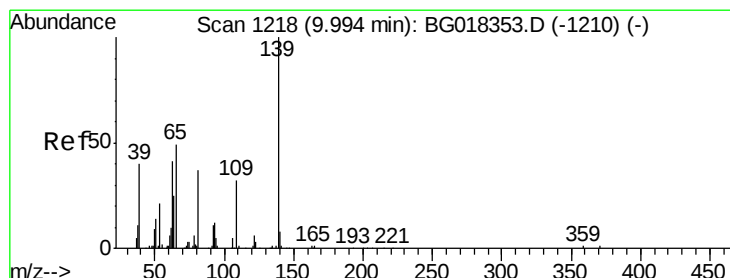
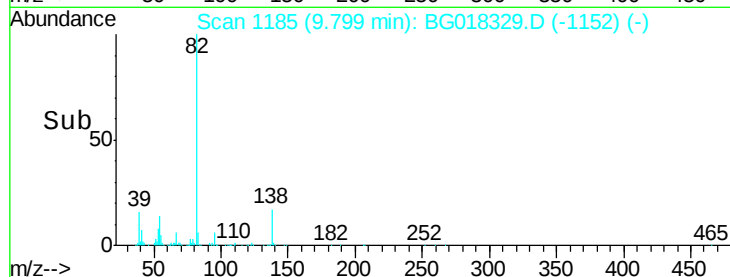
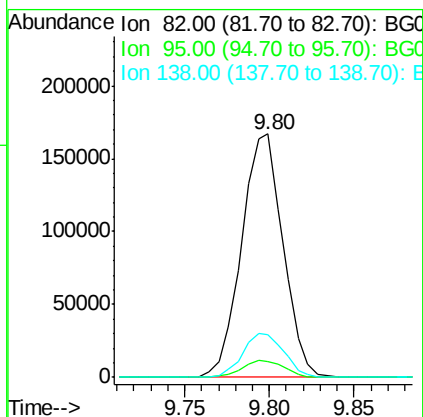
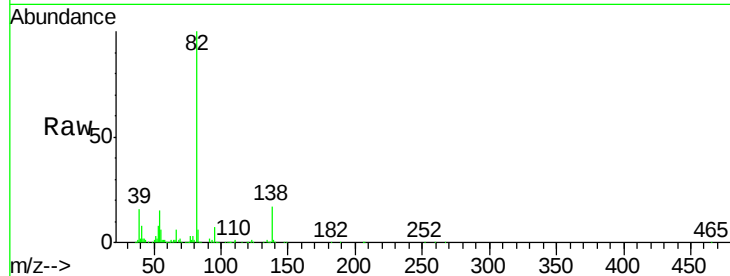




#21  
Isophorone  
Concen: 20.85 ng/ul  
RT: 9.80 min Scan# 1185  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

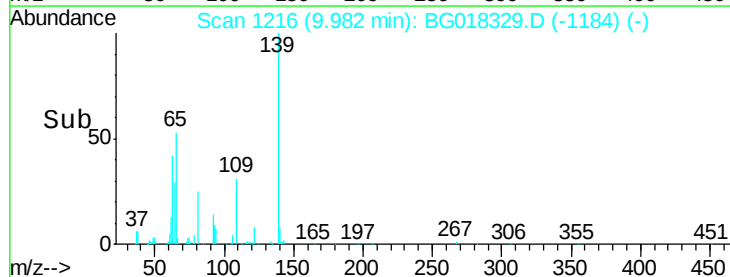
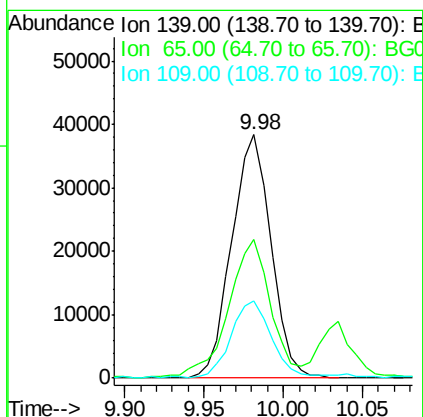
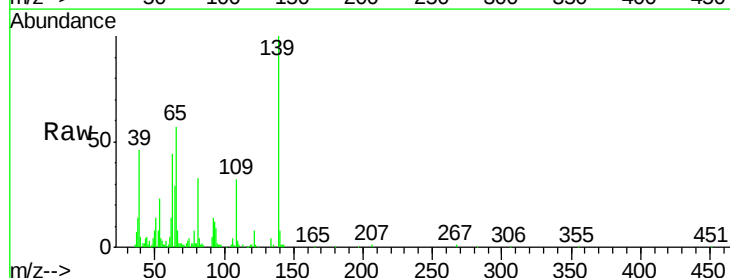
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02081

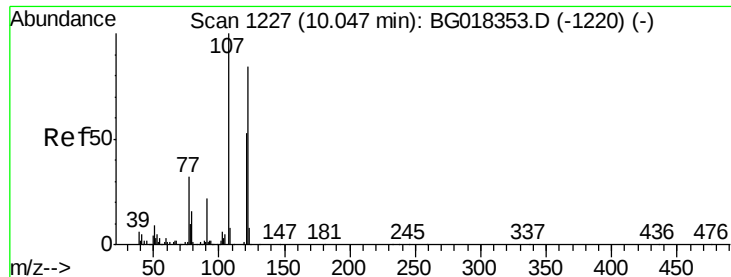
Tgt Ion: 82 Resp: 283672  
Ion Ratio Lower Upper  
82 100  
95 6.5 6.3 9.5  
138 17.3 13.3 19.9



#23  
2-Nitrophenol  
Concen: 20.83 ng/ul  
RT: 9.98 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

Tgt Ion: 139 Resp: 66038  
Ion Ratio Lower Upper  
139 100  
65 57.0 44.3 66.5  
109 31.8 23.9 35.9

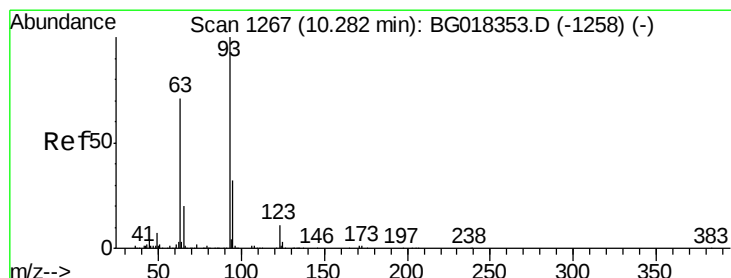
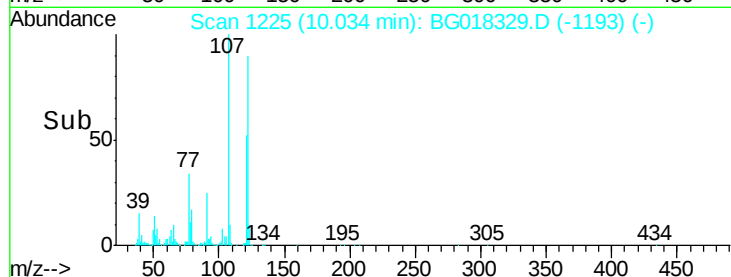
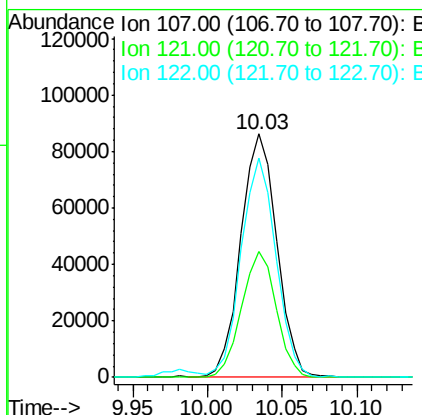
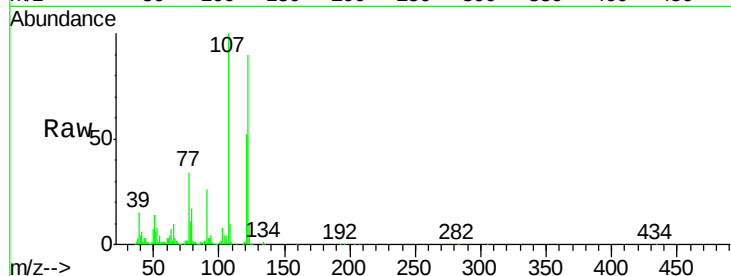




#24  
 2,4-Dimethylphenol  
 Concen: 20.31 ng/ul  
 RT: 10.03 min Scan# 1225  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

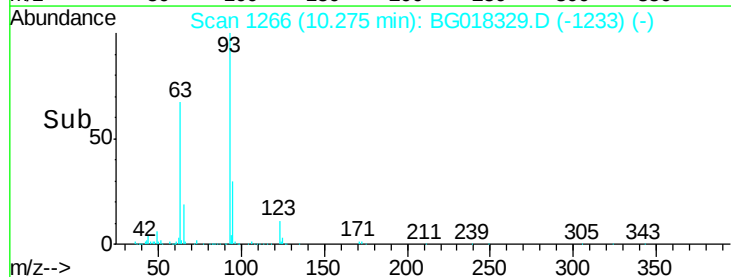
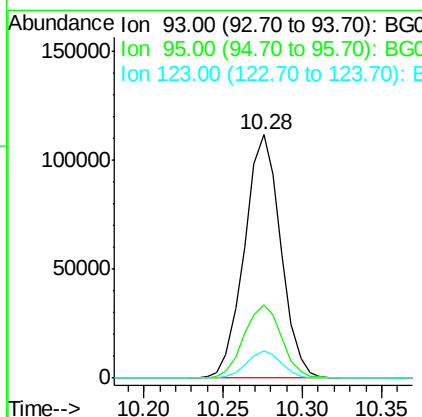
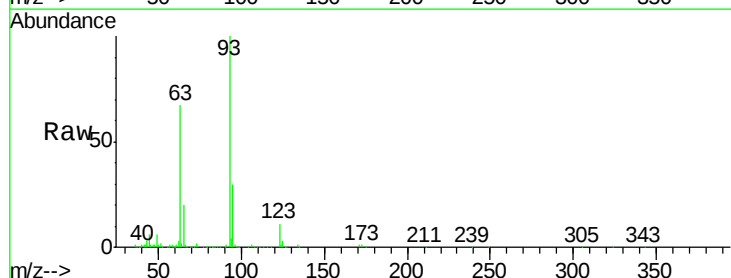
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST02081

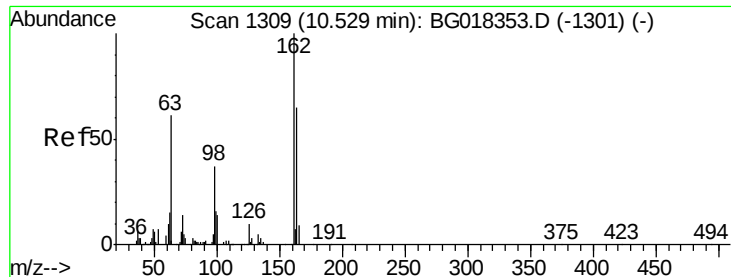
Tgt Ion: 107 Resp: 144304  
 Ion Ratio Lower Upper  
 107 100  
 121 51.6 40.5 60.7  
 122 89.9 70.9 106.3



#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 21.01 ng/ul  
 RT: 10.28 min Scan# 1266  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

Tgt Ion: 93 Resp: 178171  
 Ion Ratio Lower Upper  
 93 100  
 95 30.1 27.4 41.0  
 123 11.1 8.5 12.7

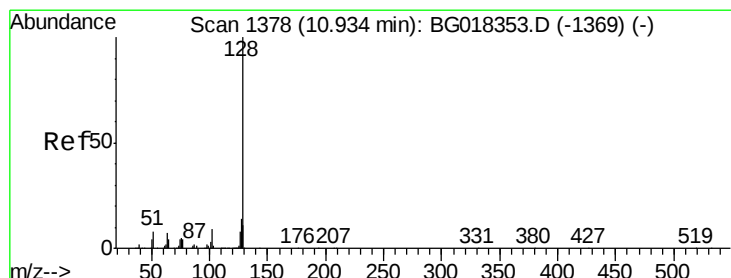
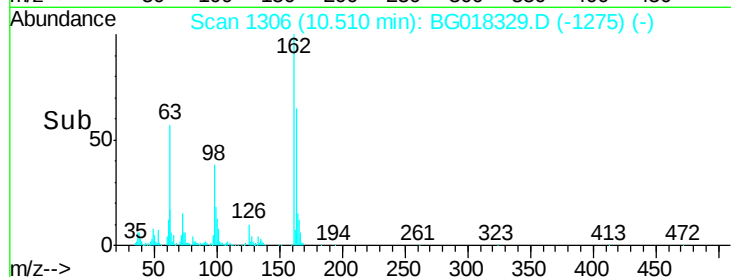
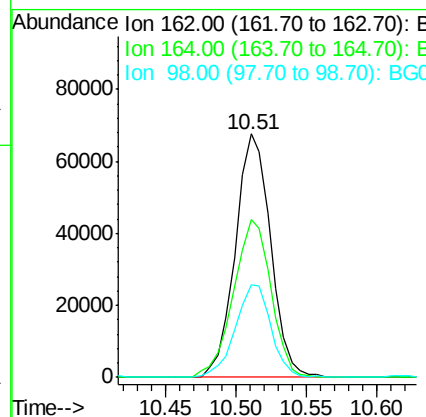
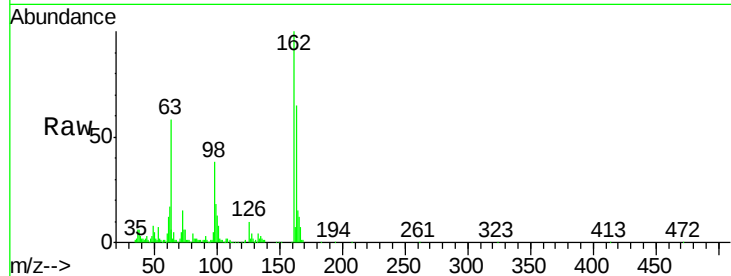




#27  
 2,4-Dichlorophenol  
 Concen: 20.79 ng/ul  
 RT: 10.51 min Scan# 1306  
 Delta R.T. -0.02 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

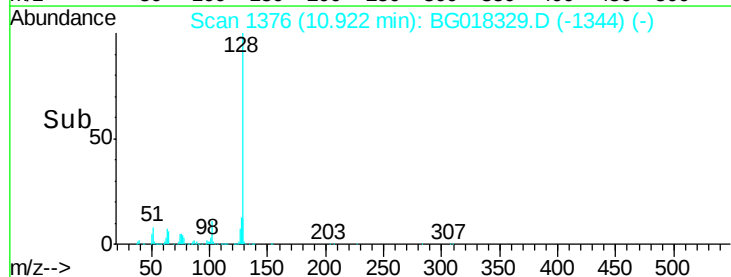
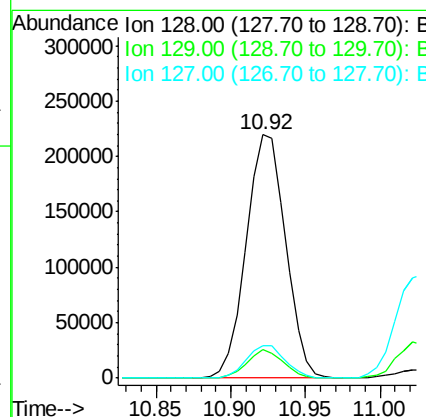
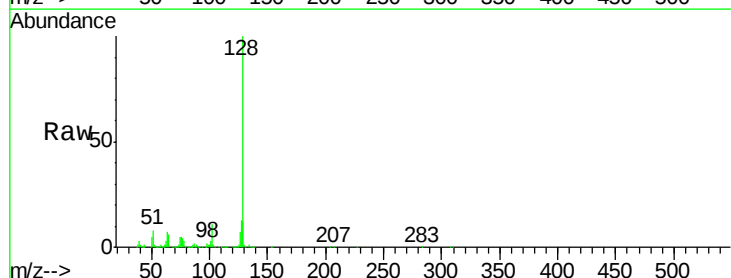
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST02081

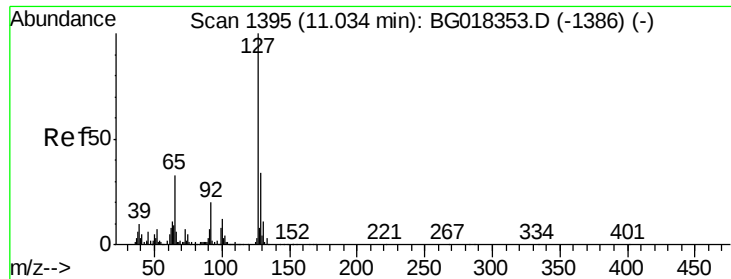
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.6  | 50.1  | 75.1  |
| 98      | 38.0  | 28.7  | 43.1  |



#28  
 Naphthalene  
 Concen: 21.10 ng/ul  
 RT: 10.92 min Scan# 1376  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.0  | 8.6   | 13.0  |
| 127     | 13.1  | 10.8  | 16.2  |

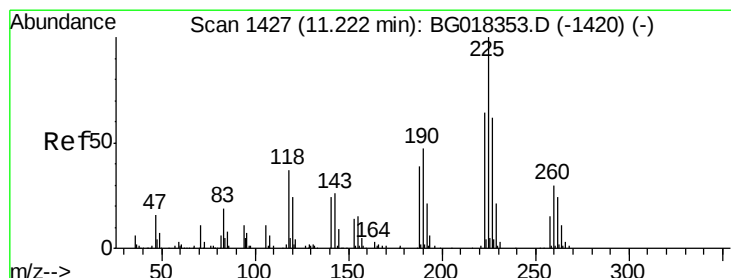
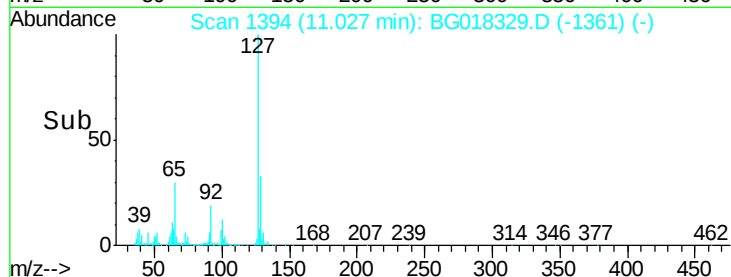
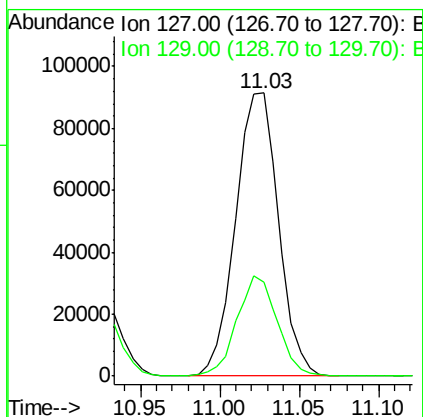
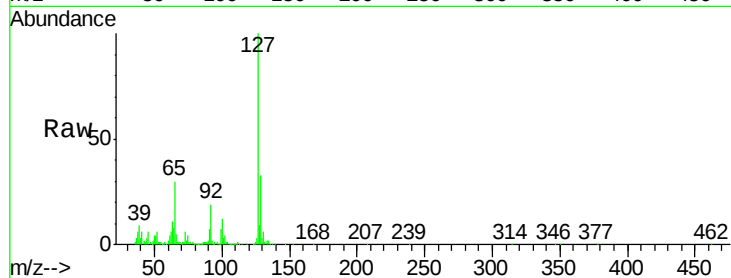




#30  
4-Chloroaniline  
Concen: 24.65 ng/ul  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

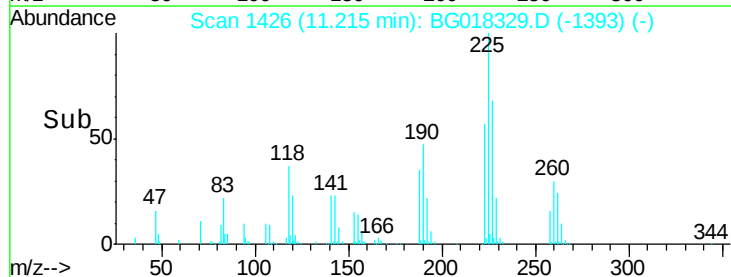
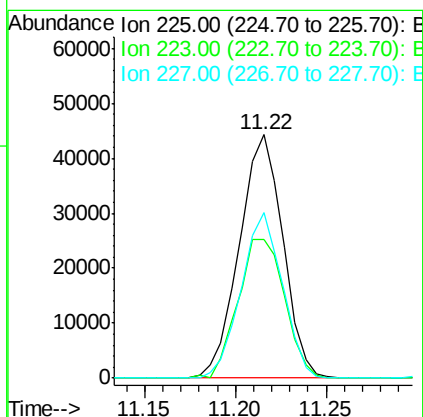
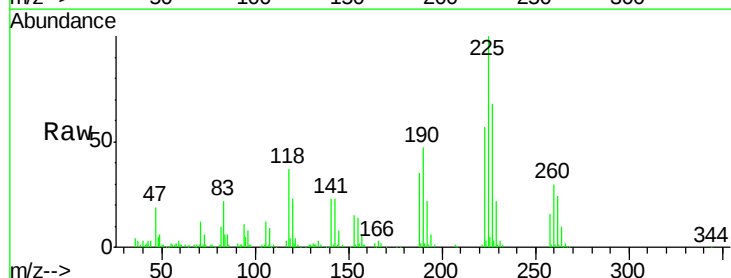
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02081

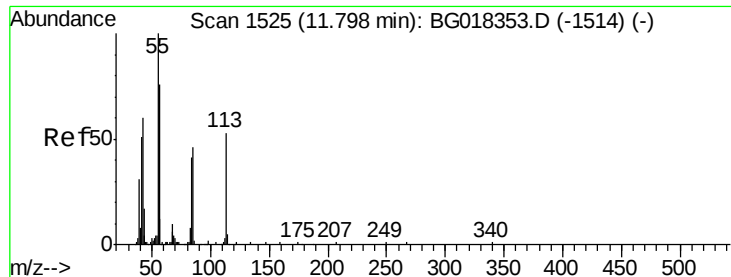
Tgt Ion:127 Resp: 171718  
Ion Ratio Lower Upper  
127 100  
129 33.4 25.2 37.8



#31  
Hexachlorobutadiene  
Concen: 20.71 ng/ul  
RT: 11.22 min Scan# 1426  
Delta R.T. -0.01 min  
Lab File: BG018329.D  
Acq: 9 Aug 2015 15:21

Tgt Ion:225 Resp: 74237  
Ion Ratio Lower Upper  
225 100  
223 57.3 50.3 75.5  
227 67.5 48.8 73.2





#32

Caprolactam

Concen: 16.36 ng/ul

RT: 11.79 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

Instrument :

BNA\_G

ClientSampleId :

SSTD02081

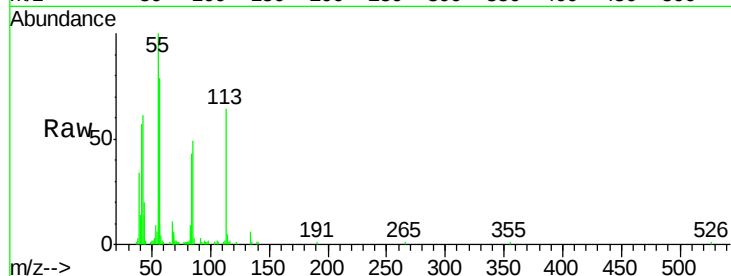
Tgt Ion:113 Resp: 35323

Ion Ratio Lower Upper

113 100

55 155.3 146.1 219.1

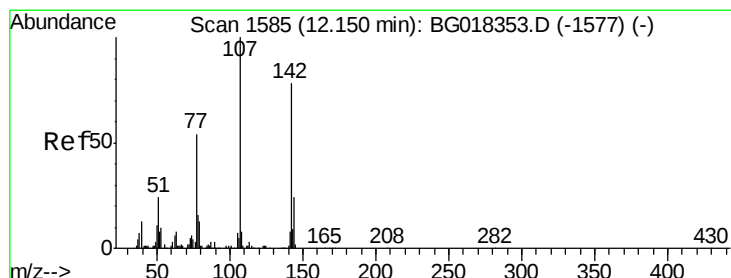
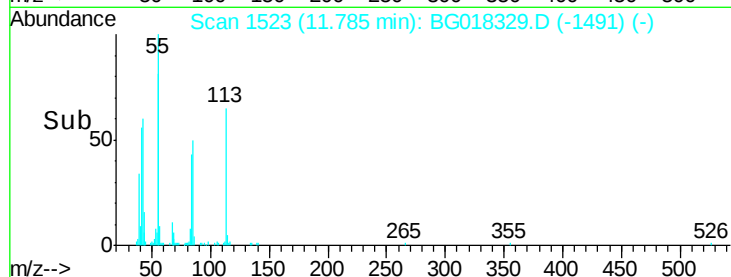
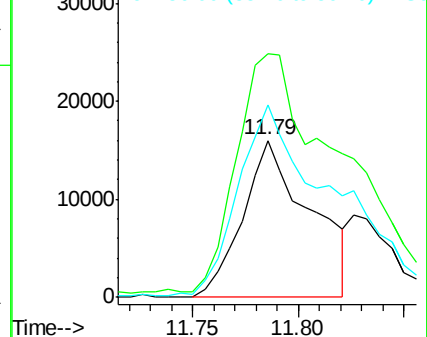
56 122.8 96.1 144.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#33

4-Chloro-3-methylphenol

Concen: 20.50 ng/ul

RT: 12.13 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

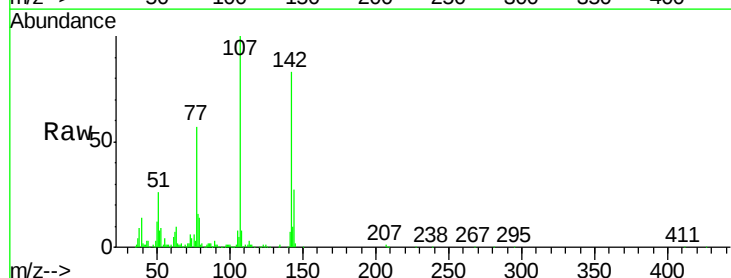
Tgt Ion:107 Resp: 134859

Ion Ratio Lower Upper

107 100

144 26.8 18.8 28.2

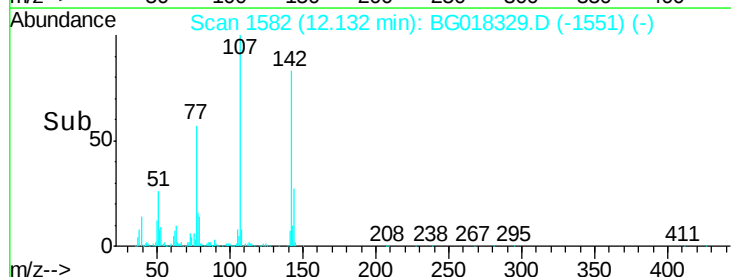
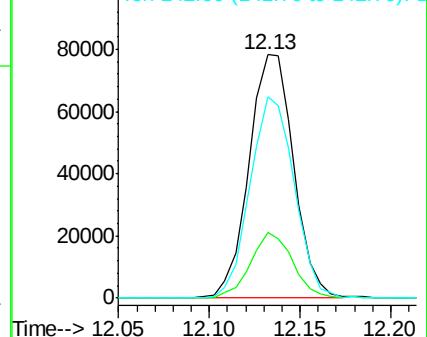
142 82.5 63.0 94.4

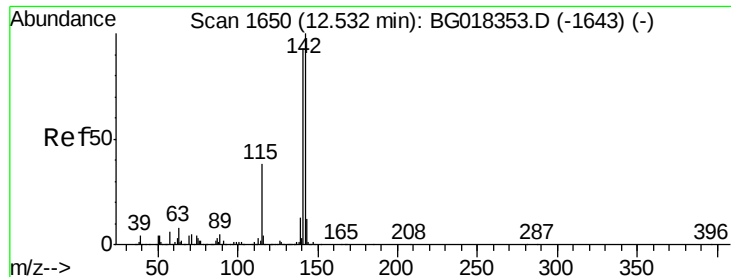


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#34

2-Methylnaphthalene

Concen: 20.99 ng/ul

RT: 12.52 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

Instrument :

BNA\_G

ClientSampleId :

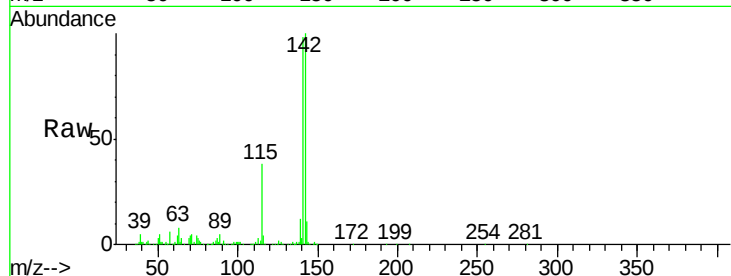
SSTD02081

Tgt Ion:142 Resp: 288909

Ion Ratio Lower Upper

142 100

141 97.5 73.7 110.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

200000

150000

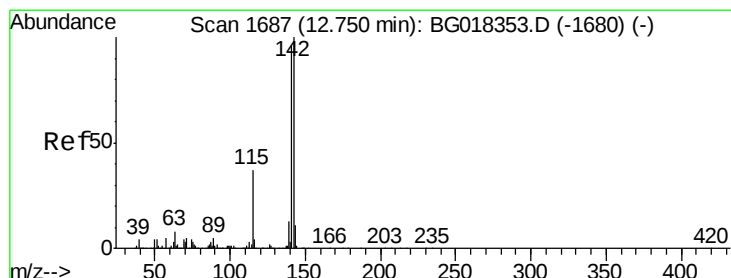
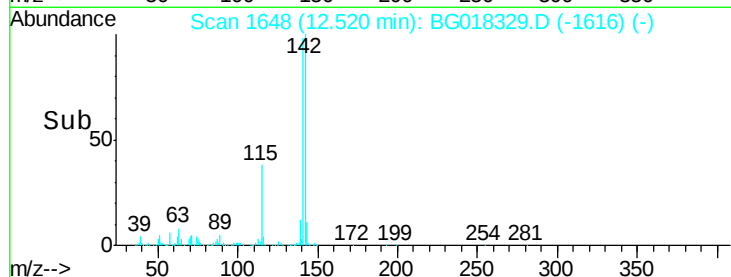
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#35

1-Methylnaphthalene

Concen: 21.23 ng/ul

RT: 12.74 min Scan# 1685

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

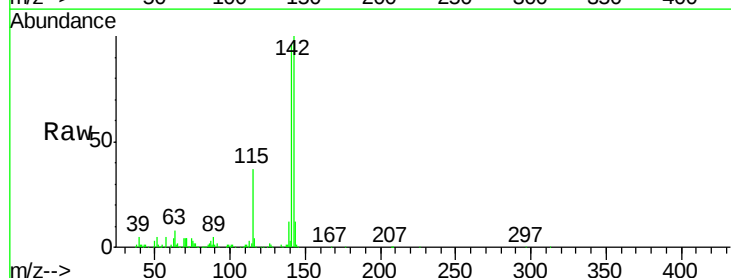
Tgt Ion:142 Resp: 285409

Ion Ratio Lower Upper

142 100

141 96.4 76.2 114.2

116 4.4 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

200000

150000

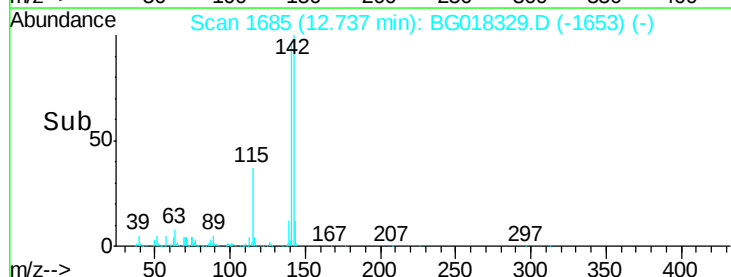
100000

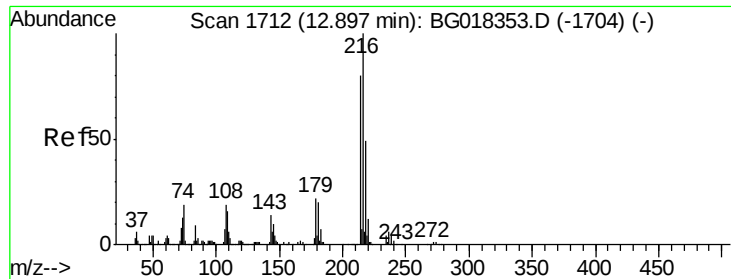
50000

0

12.65 12.70 12.75 12.80

Time-->

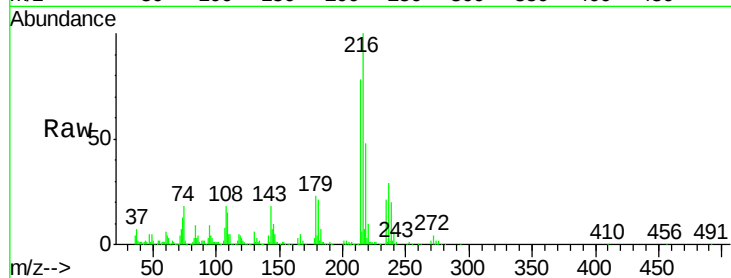




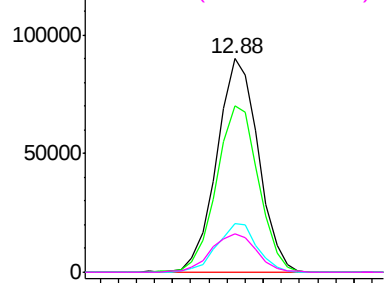
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 20.81 ng/ul  
 RT: 12.88 min Scan# 1710  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02081

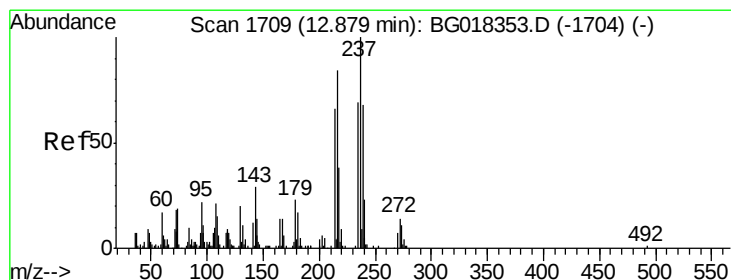
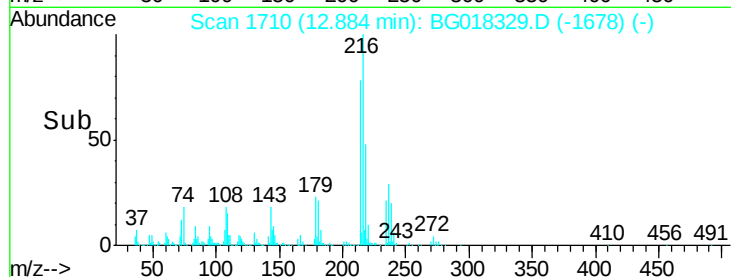
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 144299 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.1  | 59.5  | 89.3   |
| 179      | 22.7  | 17.7  | 26.5   |
| 108      | 18.3  | 15.0  | 22.6   |



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

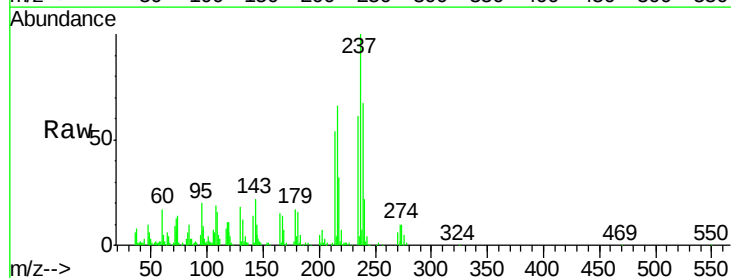


Time-->

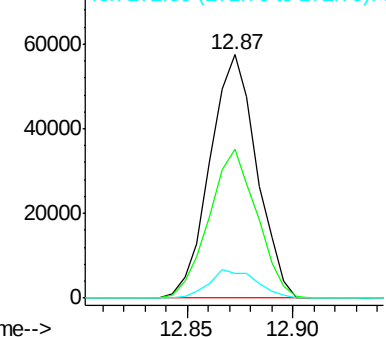


#38  
 Hexachlorocyclopentadiene  
 Concen: 21.36 ng/ul  
 RT: 12.87 min Scan# 1708  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

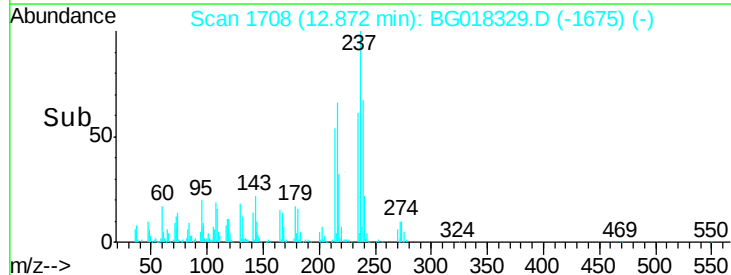
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 88165 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 57.0  | 47.6  | 71.4  |
| 272      | 11.2  | 7.2   | 10.8# |

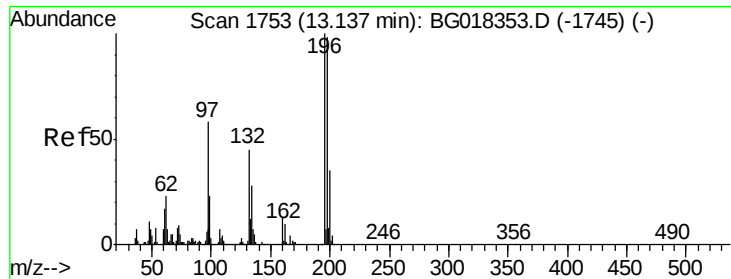


Abundance Ion 237.00 (236.70 to 237.70): E  
 Ion 235.00 (234.70 to 235.70): E  
 Ion 272.00 (271.70 to 272.70): E



Time-->

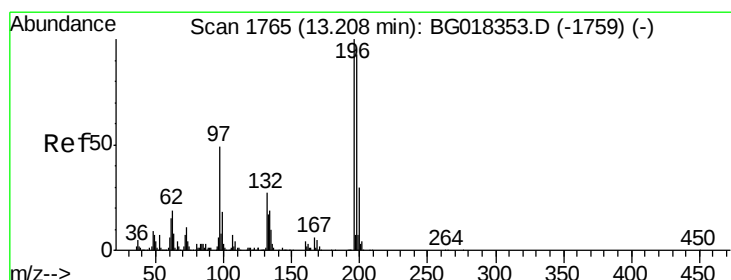
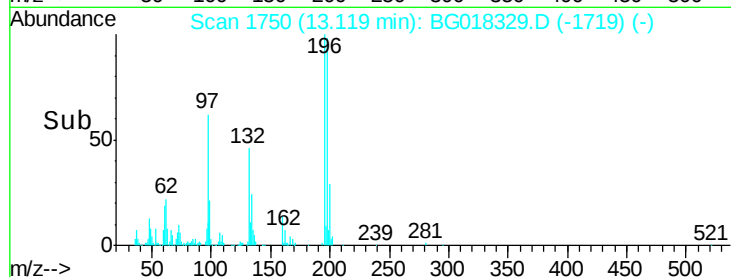
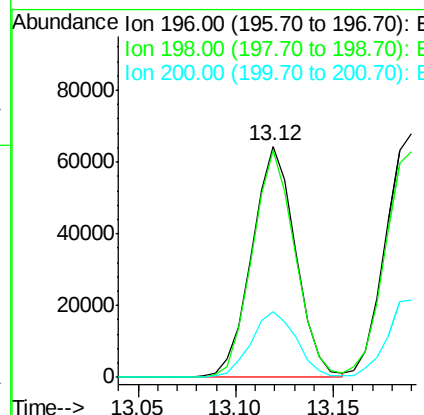
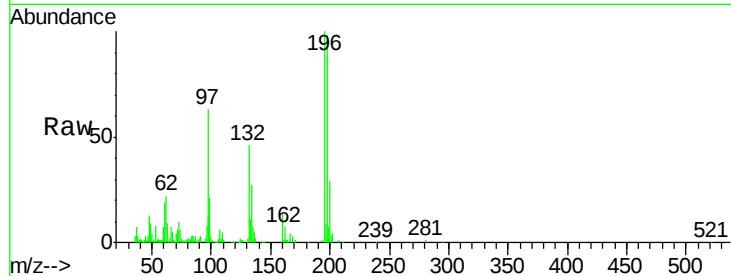




#39  
 2,4,6-Trichlorophenol  
 Concen: 21.12 ng/ul  
 RT: 13.12 min Scan# 1750  
 Delta R.T. -0.02 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

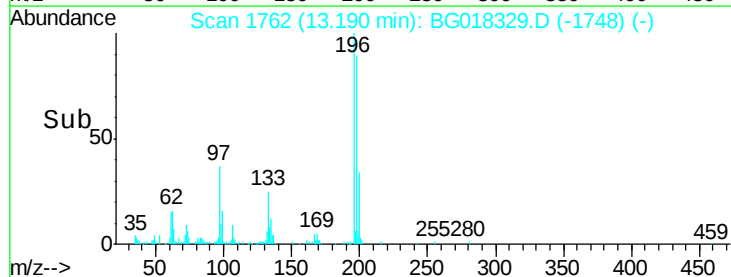
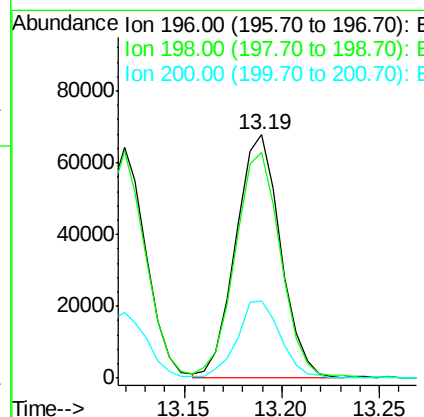
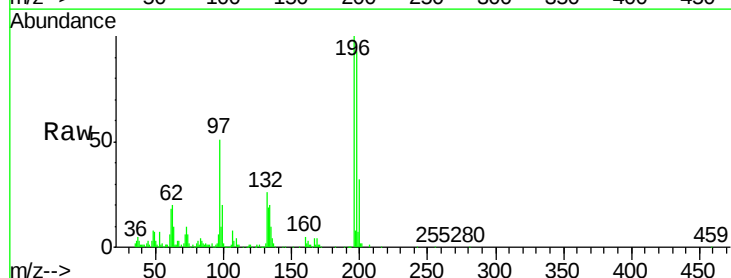
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02081

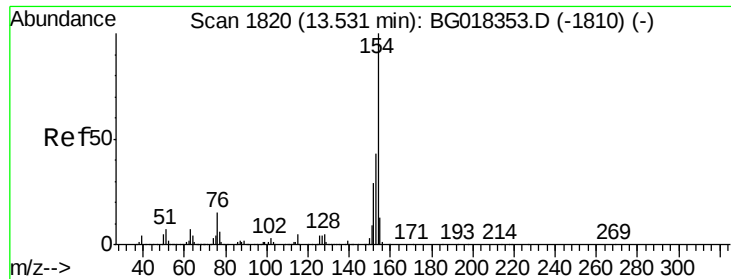
Tgt Ion:196 Resp: 99755  
 Ion Ratio Lower Upper  
 196 100  
 198 98.1 75.9 113.9  
 200 31.4 24.9 37.3



#40  
 2,4,5-Trichlorophenol  
 Concen: 21.02 ng/ul  
 RT: 13.19 min Scan# 1762  
 Delta R.T. -0.02 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

Tgt Ion:196 Resp: 106740  
 Ion Ratio Lower Upper  
 196 100  
 198 92.8 74.1 111.1  
 200 31.5 24.8 37.2

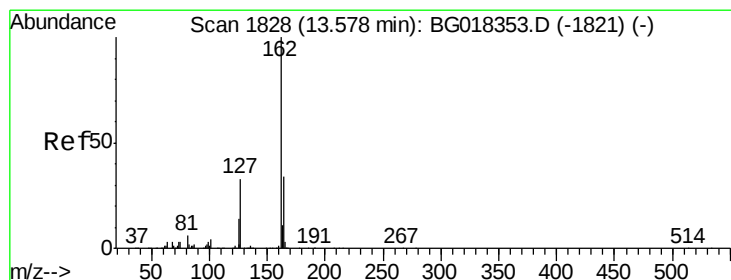
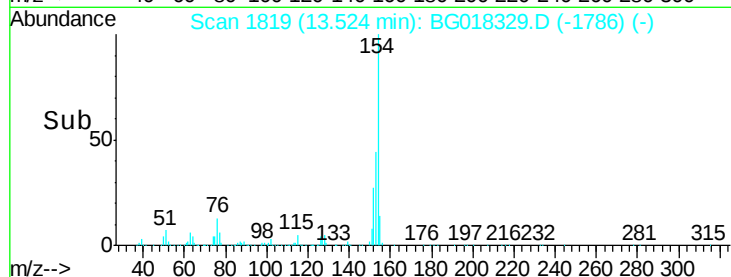
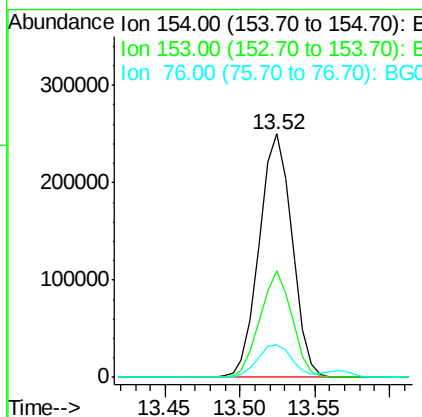
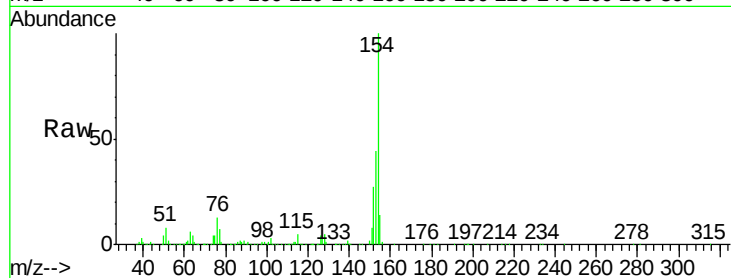




#41  
 1,1'-Biphenyl  
 Concen: 21.11 ng/ul  
 RT: 13.52 min Scan# 1819  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

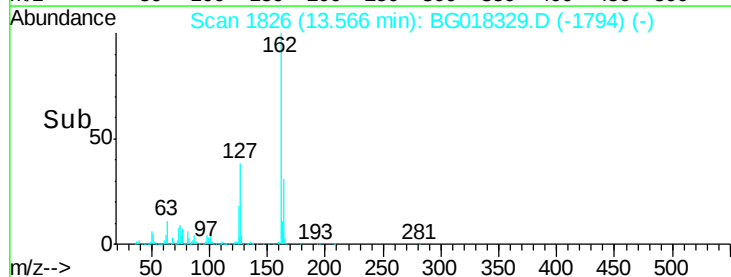
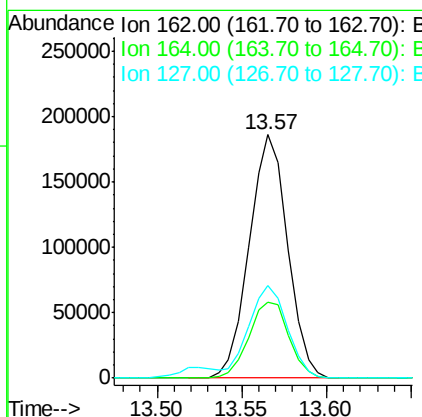
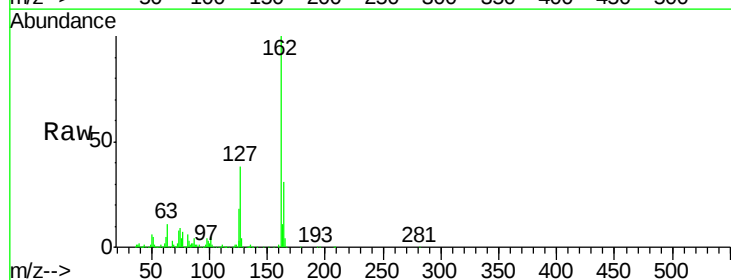
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02081

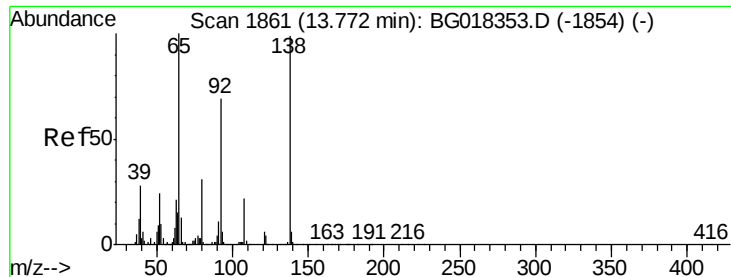
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 154   | Resp: | 380987 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 44.0  | 34.4  | 51.6   |
| 76       | 13.3  | 11.2  | 16.8   |



#42  
 2-Chloronaphthalene  
 Concen: 20.88 ng/ul  
 RT: 13.57 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 292697 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 164      | 31.0  | 27.2  | 40.8   |
| 127      | 37.9  | 32.6  | 48.8   |





#43

2-Nitroaniline

Concen: 20.66 ng/ul

RT: 13.75 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

Instrument :

BNA\_G

ClientSampleId :

SSTD02081

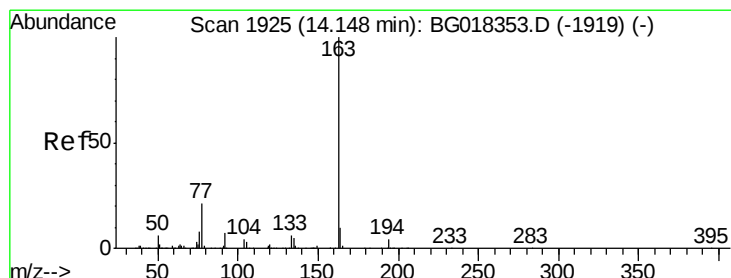
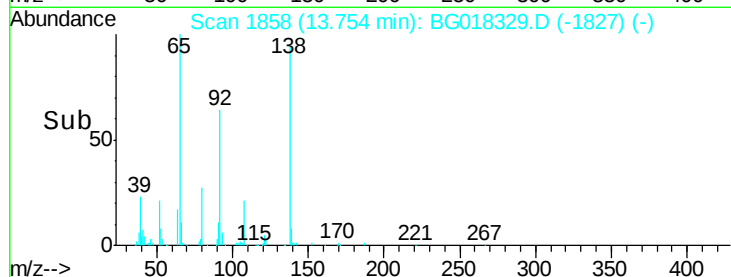
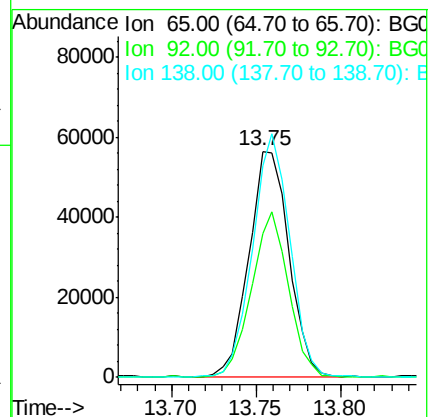
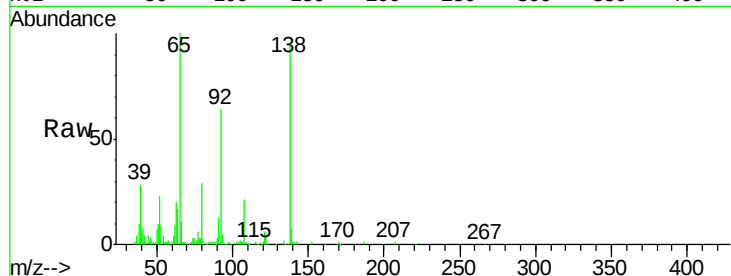
Tgt Ion: 65 Resp: 93486

Ion Ratio Lower Upper

65 100

92 63.9 56.2 84.2

138 93.9 81.9 122.9



#45

Dimethylphthalate

Concen: 20.97 ng/ul

RT: 14.14 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

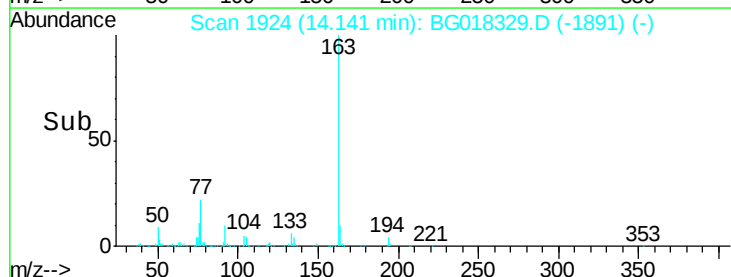
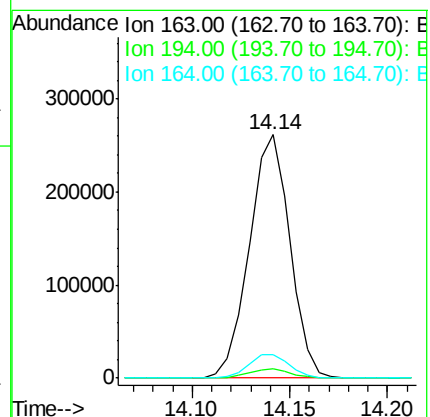
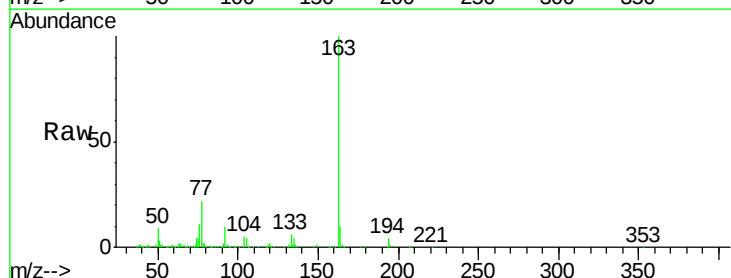
Tgt Ion: 163 Resp: 376291

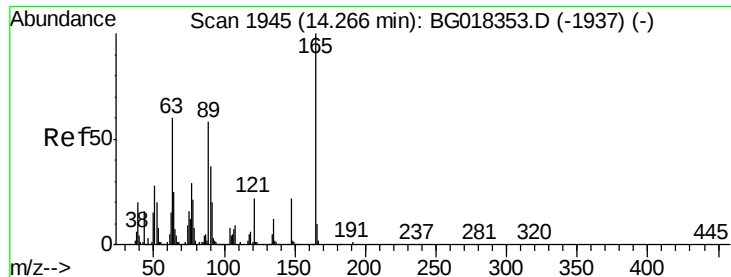
Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

164 9.6 8.0 12.0

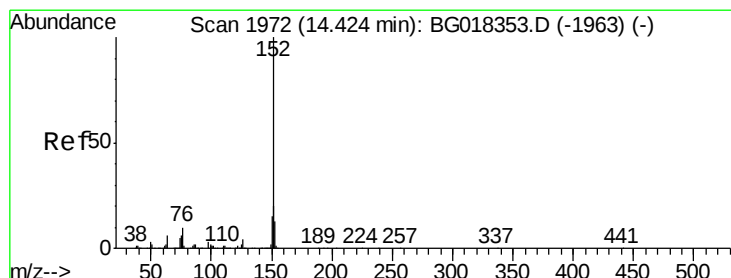
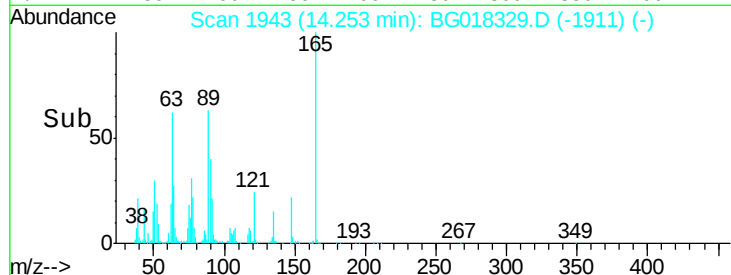
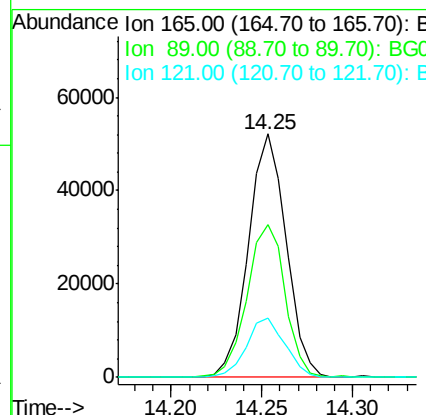
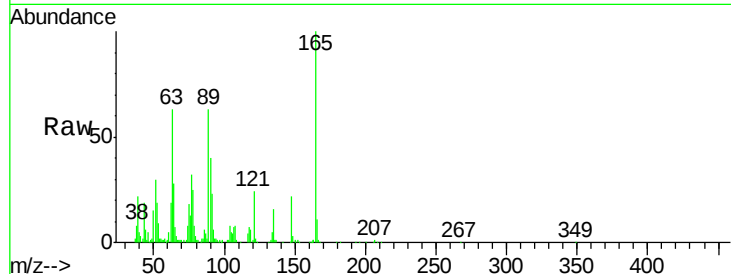




#46  
 2,6-Dinitrotoluene  
 Concen: 21.12 ng/ul  
 RT: 14.25 min Scan# 1943  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

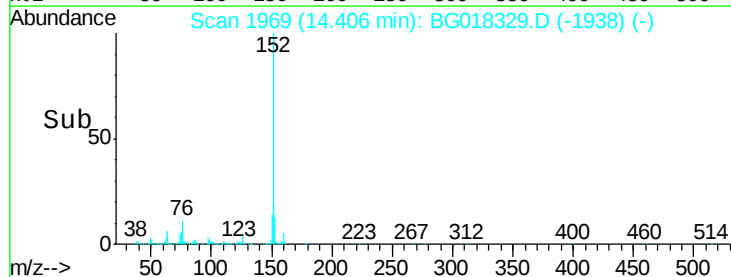
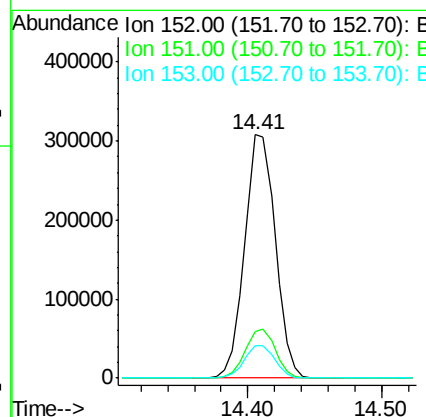
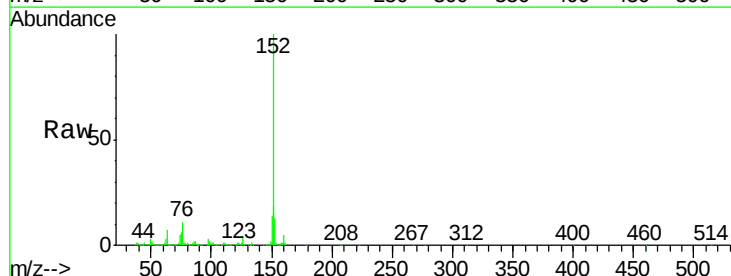
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST02081

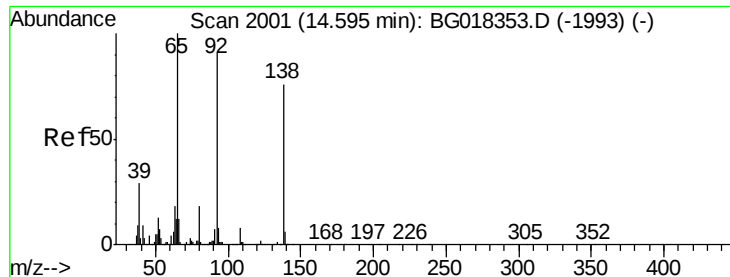
Tgt Ion:165 Resp: 75479  
 Ion Ratio Lower Upper  
 165 100  
 89 62.7 52.1 78.1  
 121 24.3 20.8 31.2



#48  
 Acenaphthylene  
 Concen: 21.21 ng/ul  
 RT: 14.41 min Scan# 1969  
 Delta R.T. -0.02 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

Tgt Ion:152 Resp: 487456  
 Ion Ratio Lower Upper  
 152 100  
 151 19.3 16.0 24.0  
 153 13.5 10.6 16.0





#49

3-Nitroaniline

Concen: 22.21 ng/ul

RT: 14.58 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

Instrument :

BNA\_G

ClientSampleId :

SSTD02081

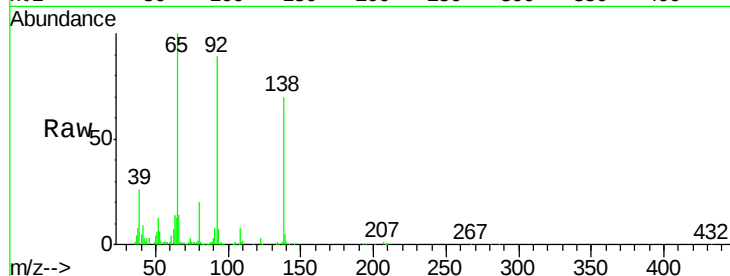
Tgt Ion:138 Resp: 80961

Ion Ratio Lower Upper

138 100

108 11.7 11.0 16.6

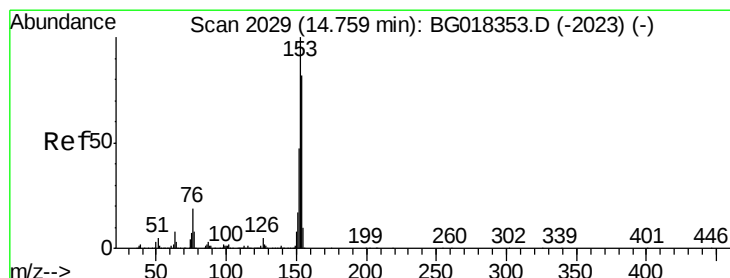
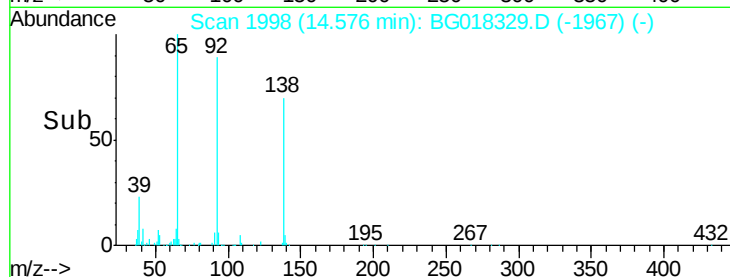
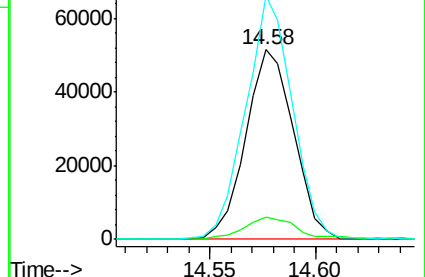
92 128.5 101.1 151.7



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): E



#50

Acenaphthene

Concen: 20.90 ng/ul

RT: 14.75 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

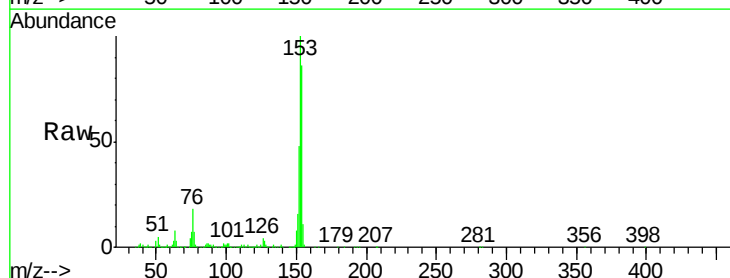
Tgt Ion:153 Resp: 336896

Ion Ratio Lower Upper

153 100

152 47.8 36.7 55.1

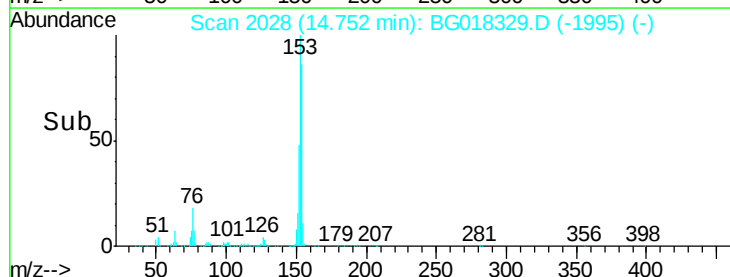
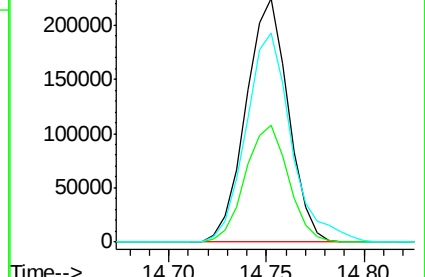
154 85.8 69.0 103.4

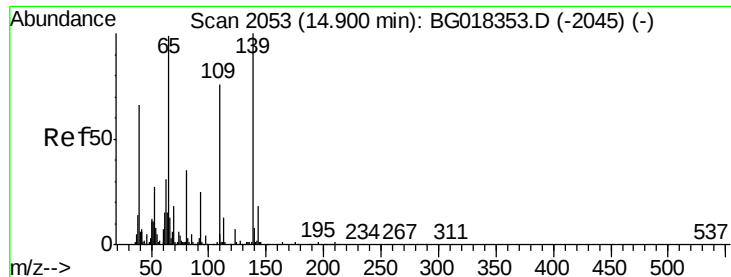


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 21.19 ng/ul

RT: 14.88 min Scan# 2049

Delta R.T. -0.02 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

Instrument :

BNA\_G

ClientSampleId :

SSTD02081

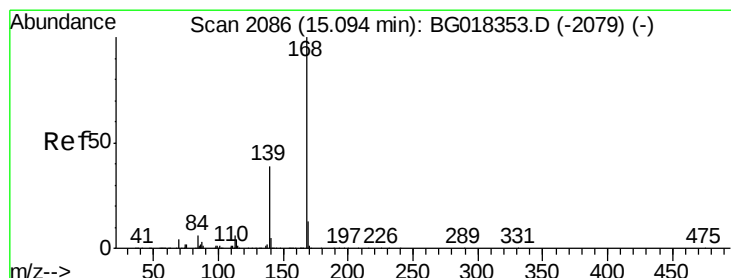
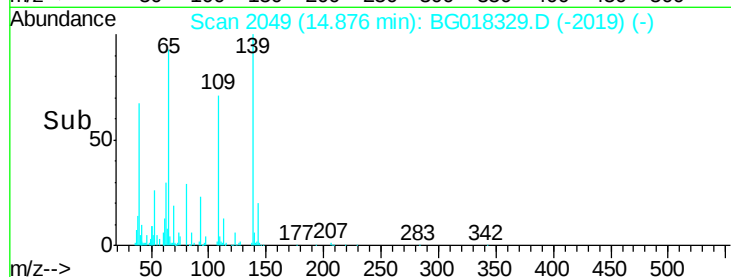
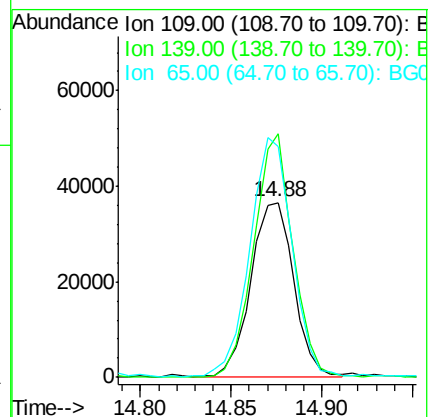
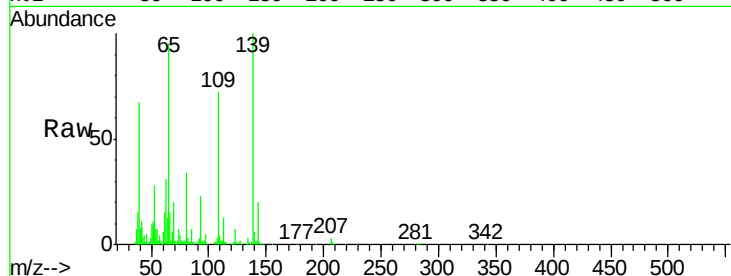
Tgt Ion:109 Resp: 60298

Ion Ratio Lower Upper

109 100

139 139.1 102.2 153.4

65 131.6 108.6 163.0



#54

Dibenzofuran

Concen: 21.27 ng/ul

RT: 15.08 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG018329.D

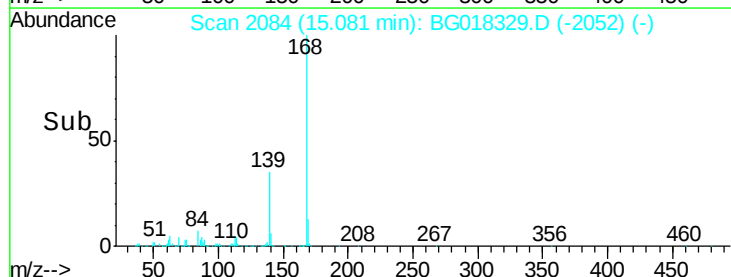
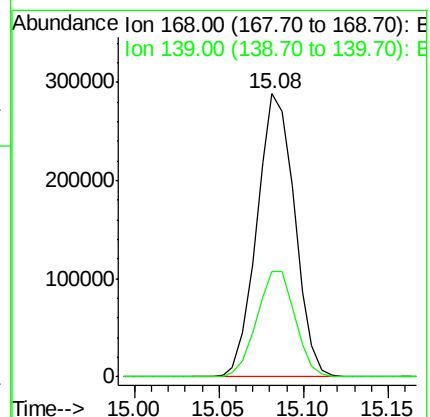
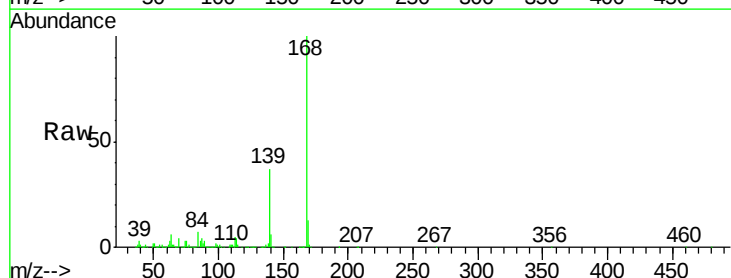
Acq: 9 Aug 2015 15:21

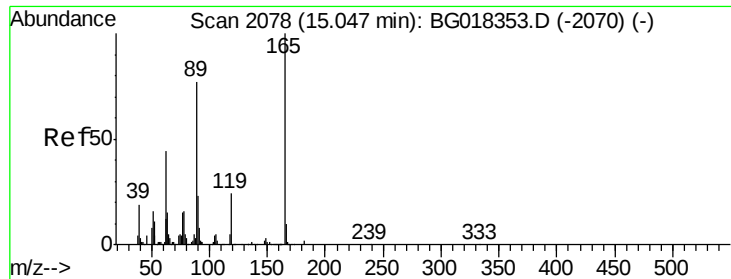
Tgt Ion:168 Resp: 448026

Ion Ratio Lower Upper

168 100

139 37.1 31.4 47.0

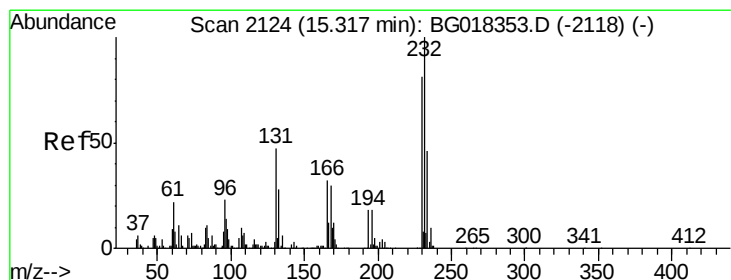
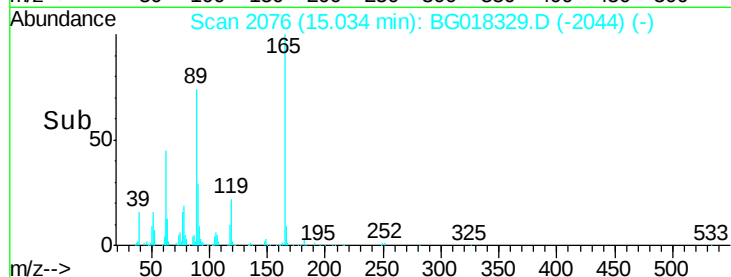
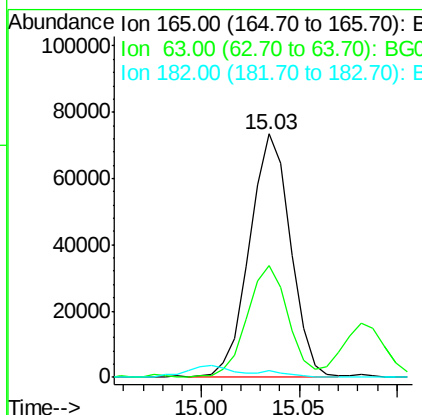
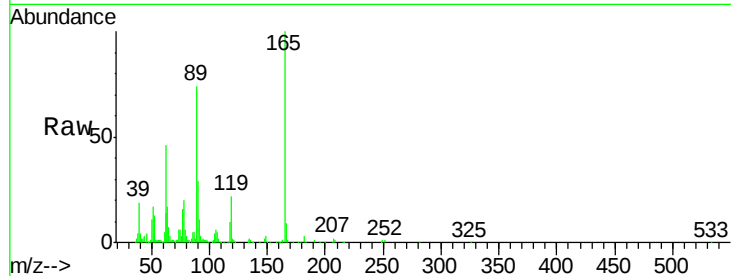




#55  
 2,4-Dinitrotoluene  
 Concen: 20.98 ng/ul  
 RT: 15.03 min Scan# 2076  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

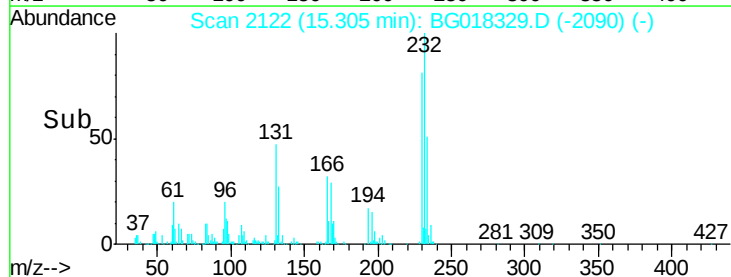
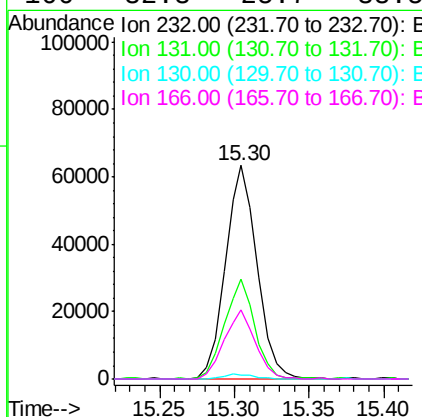
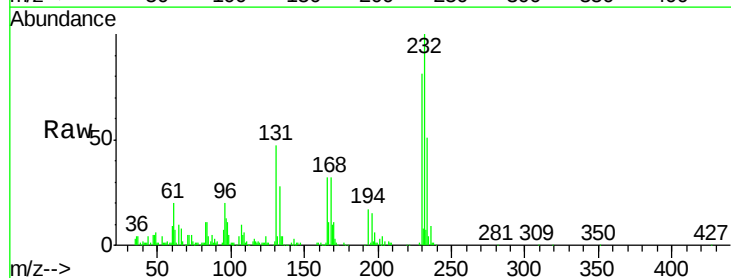
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02081

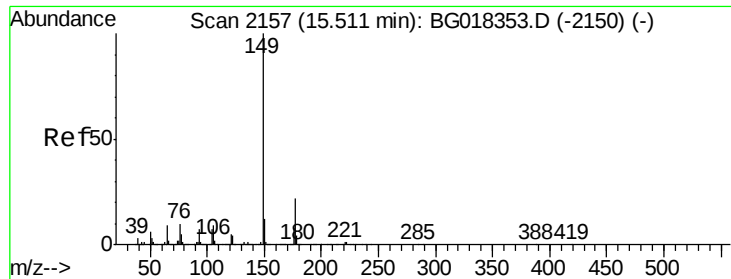
Tgt Ion:165 Resp: 107009  
 Ion Ratio Lower Upper  
 165 100  
 63 45.9 36.6 54.8  
 182 2.7 2.0 3.0



#56  
 2,3,4,6-Tetrachlorophenol  
 Concen: 21.25 ng/ul  
 RT: 15.30 min Scan# 2122  
 Delta R.T. -0.01 min  
 Lab File: BG018329.D  
 Acq: 9 Aug 2015 15:21

Tgt Ion:232 Resp: 94026  
 Ion Ratio Lower Upper  
 232 100  
 131 46.7 33.8 50.8  
 130 1.7 2.7 4.1#  
 166 32.3 25.7 38.5





#57

Diethylphthalate

Concen: 20.61 ng/ul

RT: 15.50 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

Instrument :

BNA\_G

ClientSampleId :

SSTD02081

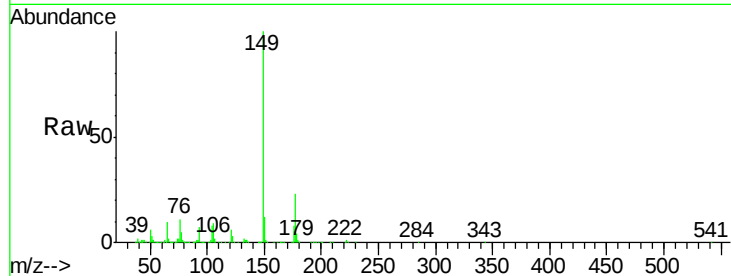
Tgt Ion:149 Resp: 393000

Ion Ratio Lower Upper

149 100

177 22.8 16.3 24.5

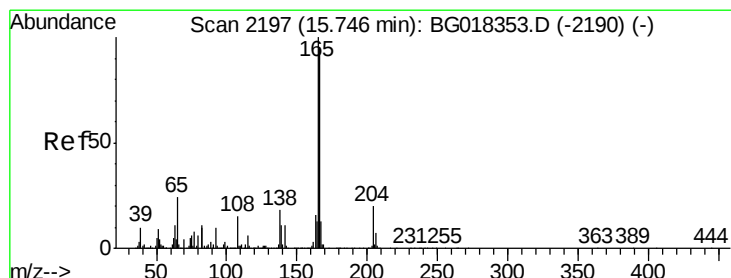
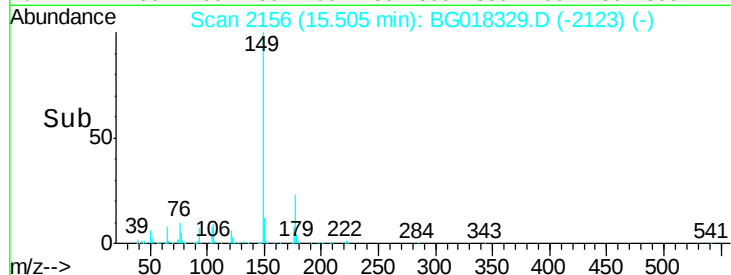
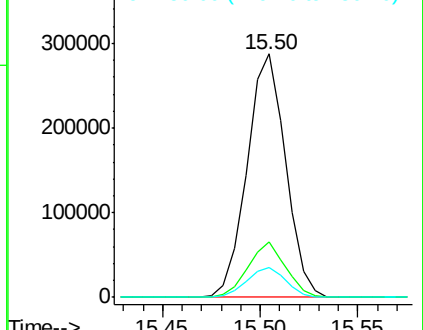
150 12.1 9.3 13.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#59

Fluorene

Concen: 20.62 ng/ul

RT: 15.73 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG018329.D

Acq: 9 Aug 2015 15:21

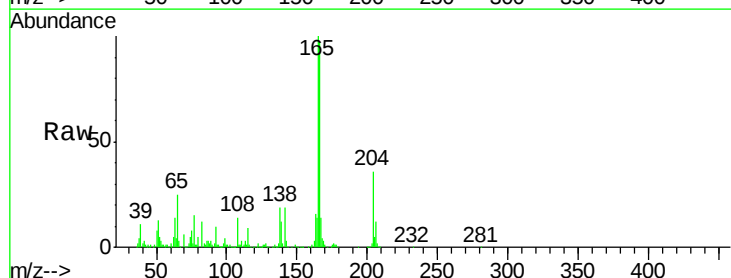
Tgt Ion:166 Resp: 373610

Ion Ratio Lower Upper

166 100

165 103.3 79.7 119.5

167 14.2 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

