

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012218\  
 Data File : BG032223.D  
 Acq On : 22 Jan 2018 22:38  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02083

Quant Time: Jan 23 04:49:28 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG012218.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 22 17:12:25 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.73  | 152  | 37648    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.61 | 136  | 163881   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.36 | 164  | 115006   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 18.09 | 188  | 280274   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 22.43 | 240  | 358504   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 26.11 | 264  | 382137   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.78  | 96  | 4748   | 7.63  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.84  | 99  | 53498  | 20.68 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 8.01  | 67  | 24493  | 20.07 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 8.24  | 132 | 50836  | 21.06 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.43  | 113 | 48139  | 20.49 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.92  | 128 | 22808  | 19.09 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.66 | 143 | 30147  | 21.06 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 11.21 | 165 | 63648  | 20.26 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.73 | 131 | 51443  | 23.48 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.74 | 166 | 190350 | 19.82 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 15.06 | 160 | 235423 | 20.00 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.52 | 143 | 24646  | 19.26 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 16.34 | 176 | 182770 | 20.44 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.44 | 200 | 34935  | 20.20 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 18.19 | 188 | 270943 | 20.10 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 20.43 | 212 | 330744 | 19.88 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 25.85 | 264 | 345377 | 19.55 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.82  | 88  | 5147   | 7.286  | ng/uL# 84 |
| 4) Benzaldehyde                | 7.82  | 77  | 32289  | 25.076 | ng/ul# 80 |
| 6) Phenol                      | 7.86  | 94  | 52193  | 20.585 | ng/ul 90  |
| 8) Bis(2-Chloroethyl)ether     | 8.11  | 93  | 37900  | 21.259 | ng/ul 88  |
| 10) 2-Chlorophenol             | 8.27  | 128 | 47077  | 20.646 | ng/ul# 89 |
| 11) 2-Methylphenol             | 9.16  | 108 | 41459  | 20.545 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 9.26  | 45  | 36110  | 20.342 | ng/ul# 89 |
| 14) Acetophenone               | 9.57  | 105 | 68653  | 20.863 | ng/ul 94  |
| 15) N-Nitroso-di-n-propylamine | 9.54  | 70  | 31297  | 20.377 | ng/ul# 89 |
| 16) 4-Methylphenol             | 9.49  | 108 | 45966  | 20.809 | ng/ul 99  |
| 17) Hexachloroethane           | 9.85  | 117 | 18201  | 20.222 | ng/ul# 70 |
| 20) Nitrobenzene               | 9.96  | 77  | 47970  | 19.954 | ng/ul# 89 |
| 21) Isophorone                 | 10.49 | 82  | 86201  | 19.909 | ng/ul# 88 |
| 23) 2-Nitrophenol              | 10.69 | 139 | 30416  | 20.714 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 10.73 | 107 | 58242  | 19.795 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.97 | 93  | 53754  | 19.576 | ng/ul# 92 |
| 27) 2,4-Dichlorophenol         | 11.24 | 162 | 58653  | 19.826 | ng/ul 96  |
| 28) Naphthalene                | 11.66 | 128 | 152918 | 20.454 | ng/ul 99  |
| 30) 4-Chloroaniline            | 11.76 | 127 | 52282  | 24.595 | ng/ul 96  |
| 31) Hexachlorobutadiene        | 11.93 | 225 | 53114  | 19.862 | ng/ul 98  |
| 32) Caprolactam                | 12.48 | 113 | 16594  | 21.689 | ng/ul# 61 |
| 33) 4-Chloro-3-methylphenol    | 12.82 | 107 | 54959  | 20.528 | ng/ul 88  |
| 34) 2-Methylnaphthalene        | 13.22 | 142 | 129954 | 20.438 | ng/ul 97  |

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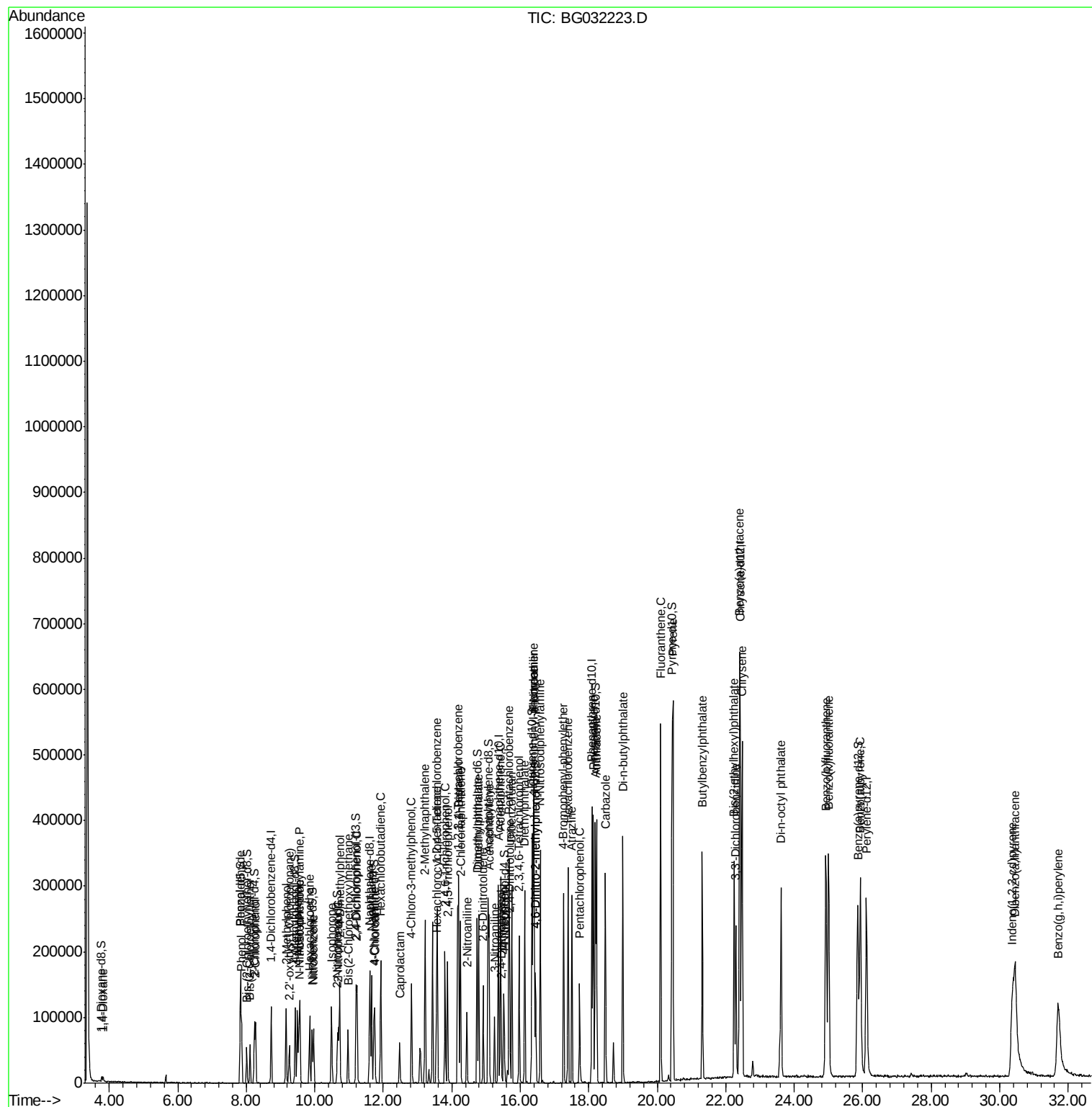
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.58 | 216  | 102165   | 19.923 | ng/ul  | 95       |
| 37) Hexachlorocyclopentadiene  | 13.55 | 237  | 37915    | 17.137 | ng/ul# | 96       |
| 38) 2,4,6-Trichlorophenol      | 13.81 | 196  | 58635    | 19.794 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.87 | 196  | 61523    | 20.120 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 14.20 | 154  | 178807   | 19.701 | ng/ul# | 97       |
| 41) 2-Chloronaphthalene        | 14.25 | 162  | 144067   | 19.797 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 14.44 | 65   | 29243    | 20.122 | ng/ul  | 90       |
| 44) Dimethylphthalate          | 14.79 | 163  | 186590   | 20.246 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 14.92 | 165  | 40070    | 21.297 | ng/ul# | 89       |
| 47) Acenaphthylene             | 15.09 | 152  | 205880   | 20.058 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 15.25 | 138  | 29744    | 21.656 | ng/ul  | 84       |
| 49) Acenaphthene               | 15.43 | 153  | 150442   | 20.081 | ng/ul  | 94       |
| 50) 2,4-Dinitrophenol          | 15.45 | 184  | 13899    | 14.291 | ng/ul# | 56       |
| 52) 4-Nitrophenol              | 15.53 | 109  | 23118    | 19.593 | ng/ul  | 87       |
| 53) Dibenzofuran               | 15.76 | 168  | 225291   | 19.965 | ng/ul  | 95       |
| 54) 2,4-Dinitrotoluene         | 15.70 | 165  | 55030    | 20.227 | ng/ul# | 87       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.97 | 232  | 59816    | 20.444 | ng/ul# | 94       |
| 56) Diethylphthalate           | 16.13 | 149  | 176815   | 20.272 | ng/ul  | 99       |
| 58) Fluorene                   | 16.40 | 166  | 181471   | 20.285 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 16.37 | 204  | 114217   | 20.224 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 16.40 | 138  | 32951    | 20.811 | ng/ul  | 95       |
| 63) 4,6-Dinitro-2-methylphenol | 16.45 | 198  | 35326    | 19.600 | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 16.58 | 169  | 158037   | 19.831 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 17.27 | 248  | 78700    | 19.500 | ng/ul  | 95       |
| 66) Hexachlorobenzene          | 17.40 | 284  | 80505    | 19.207 | ng/ul  | 99       |
| 67) Atrazine                   | 17.51 | 200  | 71995    | 20.093 | ng/ul  | 94       |
| 68) Pentachlorophenol          | 17.74 | 266  | 36951    | 17.677 | ng/ul  | 98       |
| 69) Phenanthrene               | 18.14 | 178  | 296013   | 20.070 | ng/ul  | 99       |
| 71) Anthracene                 | 18.23 | 178  | 304968   | 20.150 | ng/ul  | 98       |
| 72) 1,2,3,4-Tetrachlorobenzene | 14.18 | 216  | 103534   | 19.396 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 15.67 | 250  | 107805   | 19.212 | ng/uL  | 98       |
| 74) Carbazole                  | 18.48 | 167  | 243724   | 20.780 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.99 | 149  | 280826   | 20.305 | ng/ul  | 100      |
| 76) Fluoranthene               | 20.10 | 202  | 397455   | 21.847 | ng/ul# | 91       |
| 79) Pvrene                     | 20.46 | 202  | 401473   | 19.838 | ng/ul# | 90       |
| 80) Butylbenzylphthalate       | 21.31 | 149  | 130019   | 19.723 | ng/ul# | 87       |
| 81) 3,3'-Dichlorobenzidine     | 22.30 | 252  | 117071   | 20.425 | ng/ul# | 98       |
| 82) Benzo(a)anthracene         | 22.40 | 228  | 437353   | 20.182 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 22.24 | 149  | 185891   | 19.869 | ng/ul# | 94       |
| 84) Chrysene                   | 22.48 | 228  | 396693   | 20.168 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 23.62 | 149  | 317032   | 19.892 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 24.93 | 252  | 449795   | 19.923 | ng/ul# | 99       |
| 88) Benzo(k)fluoranthene       | 25.00 | 252  | 440413   | 19.858 | ng/ul# | 97       |
| 90) Benzo(a)pyrene             | 25.93 | 252  | 426314   | 19.564 | ng/ul# | 96       |
| 91) Indeno(1,2,3-cd)pyrene     | 30.36 | 276  | 178233   | 7.228  | ng/ul# | 94       |
| 92) Dibenzo(a,h)anthracene     | 30.45 | 278  | 354499   | 17.572 | ng/ul# | 95       |
| 93) Benzo(g,h,i)perylene       | 31.70 | 276  | 183868   | 9.367  | ng/ul# | 95       |

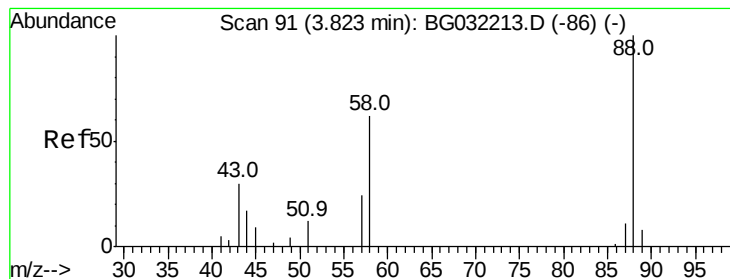
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 7.286 ng/uL

RT: 3.82 min Scan# 90

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

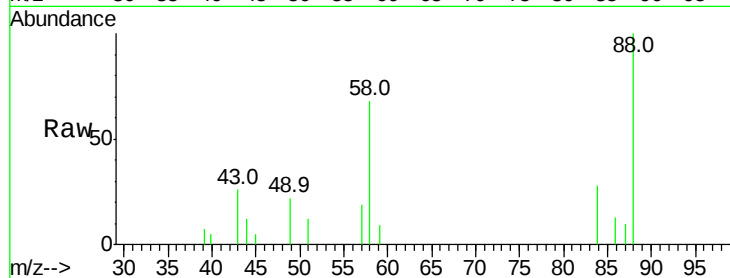
Tot Ion: 88 Resp: 5147

Ion Ratio Lower Upper

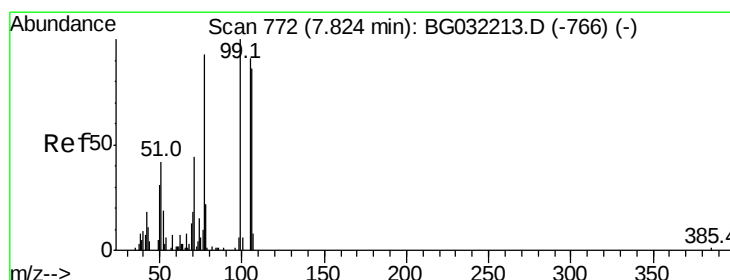
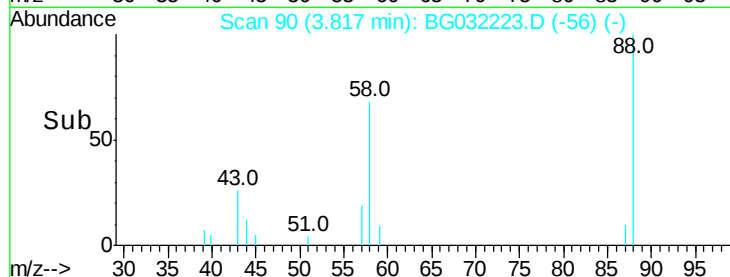
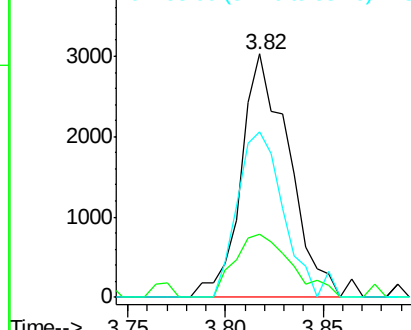
88 100

43 25.9 29.0 43.4#

58 68.1 45.9 68.9



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 25.076 ng/uL

RT: 7.82 min Scan# 772

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

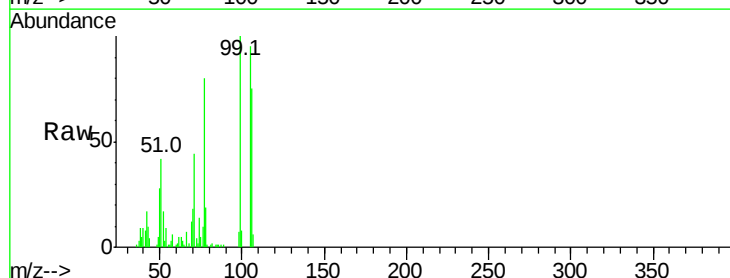
Tgt Ion: 77 Resp: 32289

Ion Ratio Lower Upper

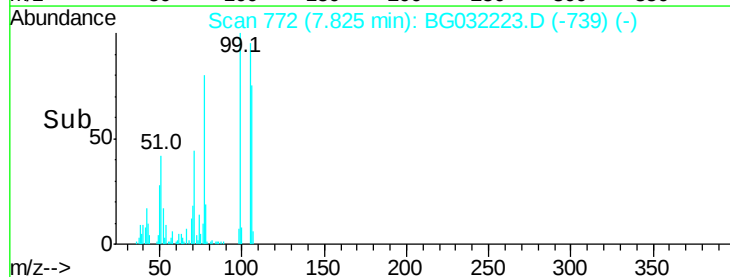
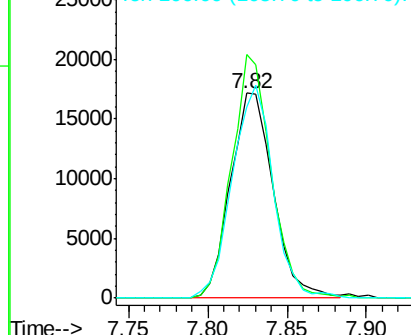
77 100

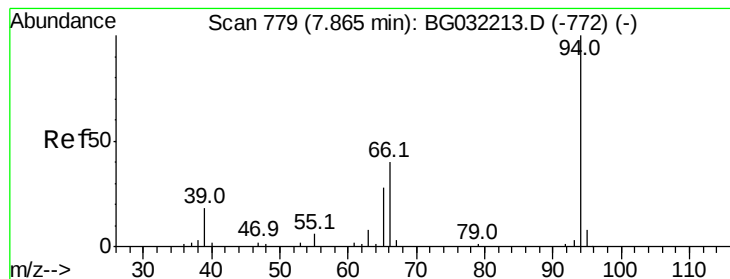
105 118.8 71.0 106.6#

106 93.5 69.5 104.3



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 20.585 ng/ul

RT: 7.86 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

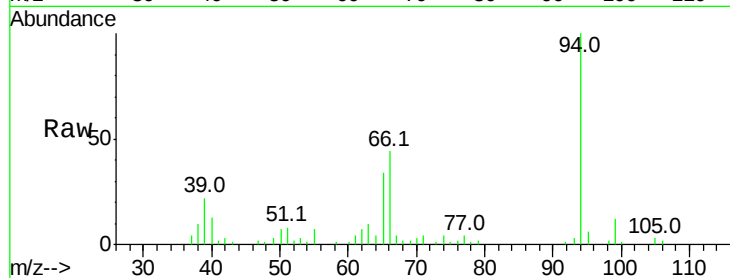
Tot Ion: 94 Resp: 52193

Ion Ratio Lower Upper

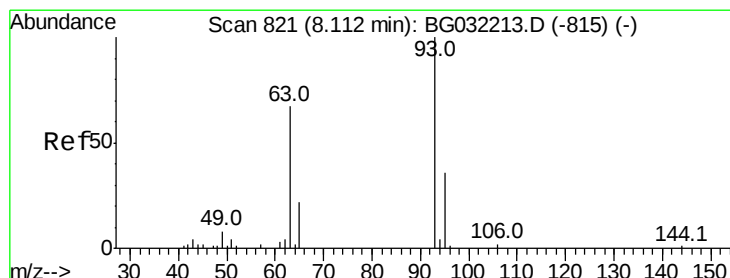
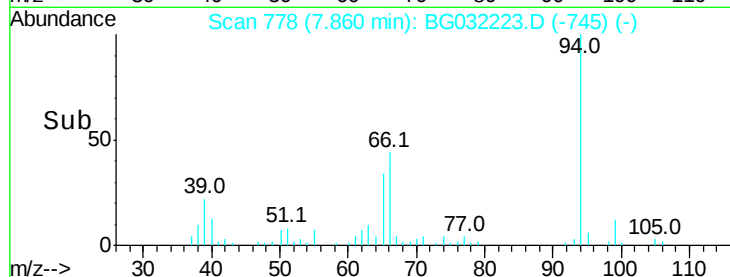
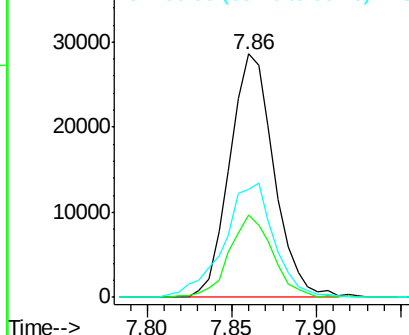
94 100

65 33.6 23.0 34.6

66 44.4 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 21.259 ng/ul

RT: 8.11 min Scan# 821

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

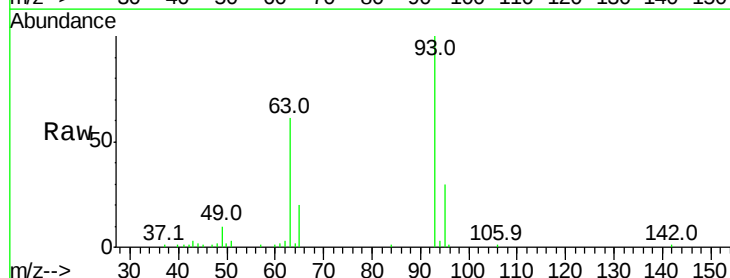
Tgt Ion: 93 Resp: 37900

Ion Ratio Lower Upper

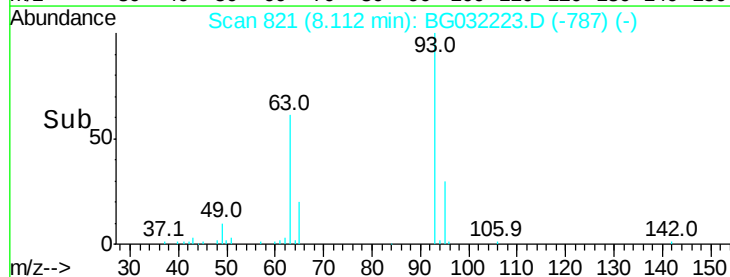
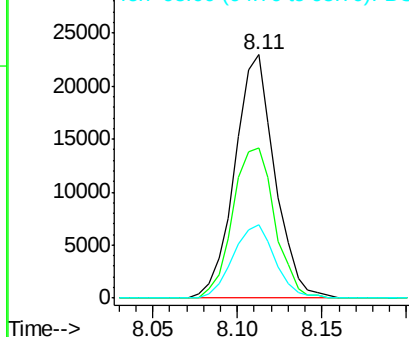
93 100

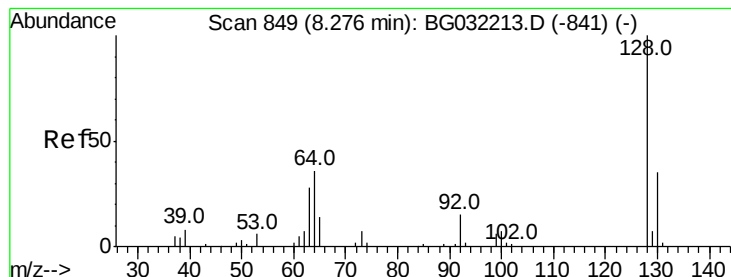
63 61.4 59.4 89.2

95 30.1 26.4 39.6



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





#10

2-Chlorophenol

Concen: 20.646 ng/ul

RT: 8.27 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

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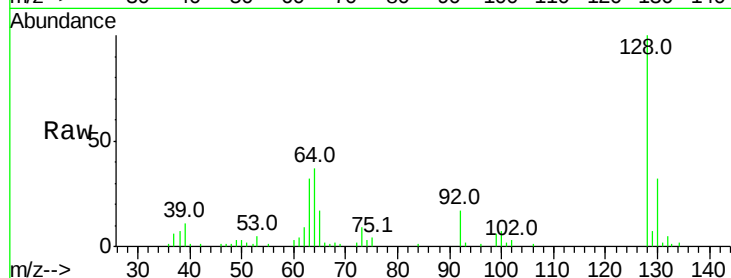
Tot Ion:128 Resp: 47077

Ion Ratio Lower Upper

128 100

64 36.9 39.8 59.6#

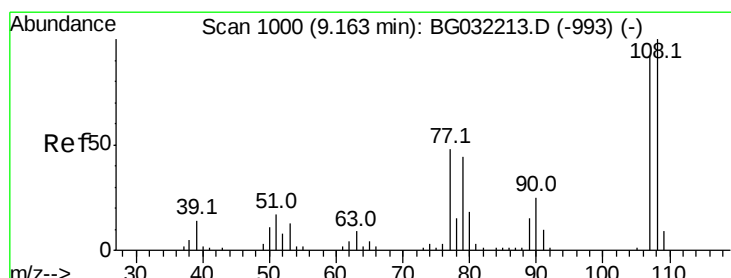
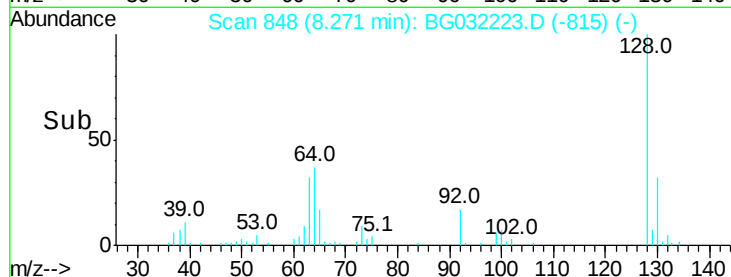
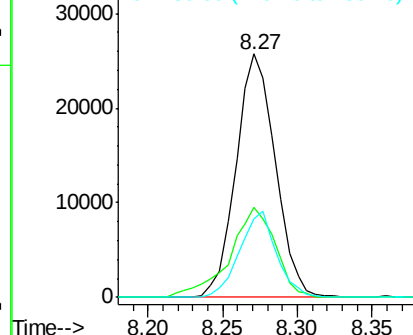
130 32.0 25.8 38.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 20.545 ng/ul

RT: 9.16 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BG032223.D

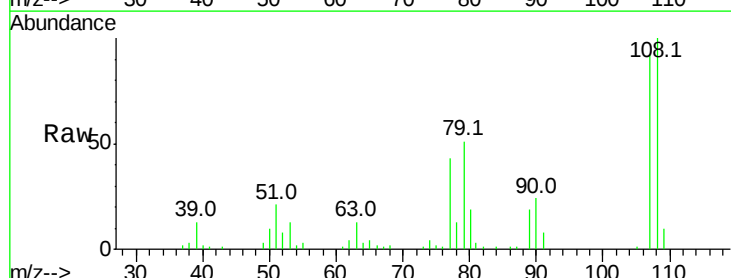
Acq: 22 Jan 2018 22:38

Tgt Ion:108 Resp: 41459

Ion Ratio Lower Upper

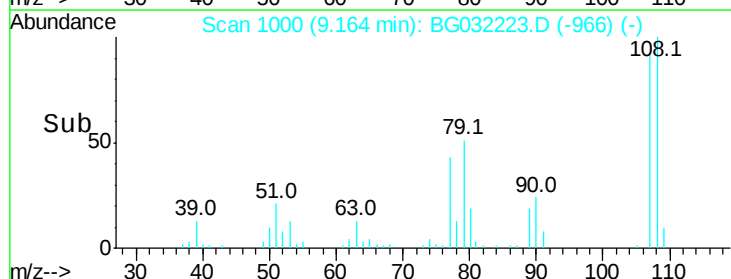
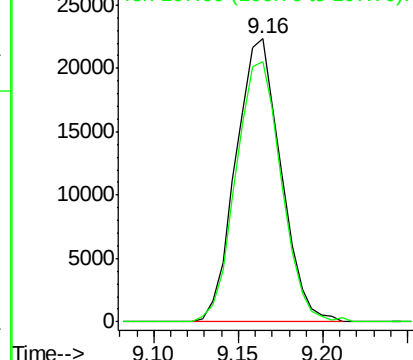
108 100

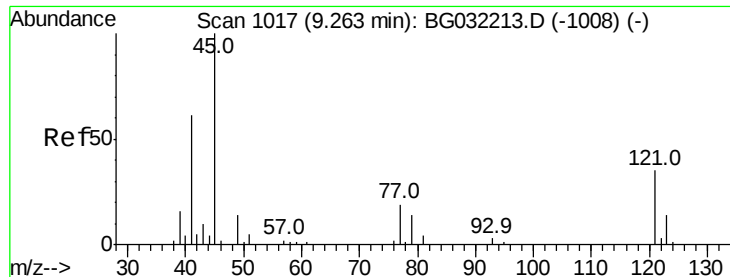
107 91.8 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#12

2,2'-oxvbis(1-Chloropropane)

Concen: 20.342 ng/ul

RT: 9.26 min Scan# 1017

Delta R.T. 0.00 min

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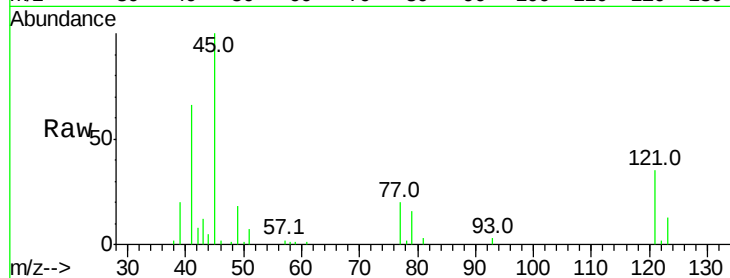
Tot Ion: 45 Resp: 36110

Ion Ratio Lower Upper

45 100

77 20.0 12.5 18.7#

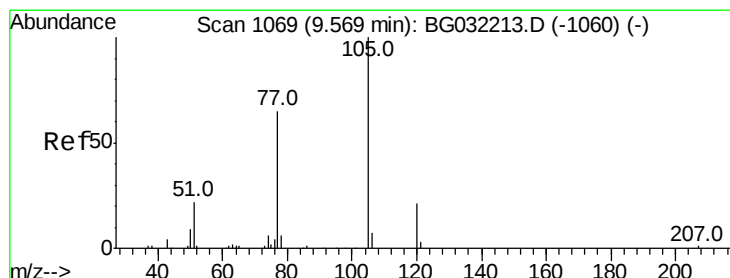
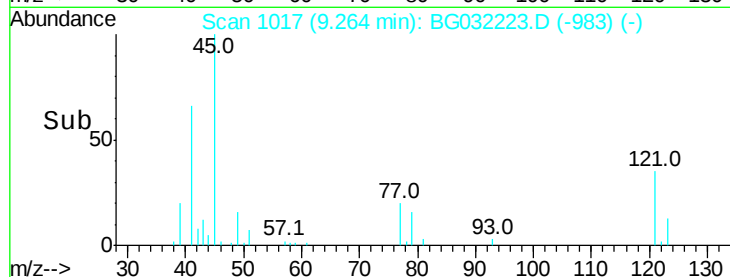
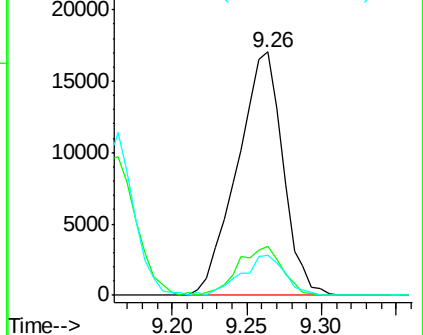
79 16.3 9.4 14.2#



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



#14

Acetophenone

Concen: 20.863 ng/ul

RT: 9.57 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

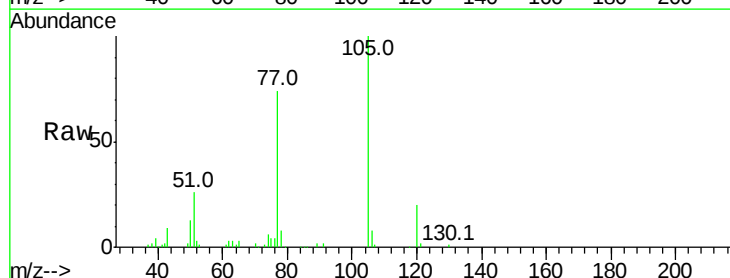
Tgt Ion:105 Resp: 68653

Ion Ratio Lower Upper

105 100

77 73.5 63.2 94.8

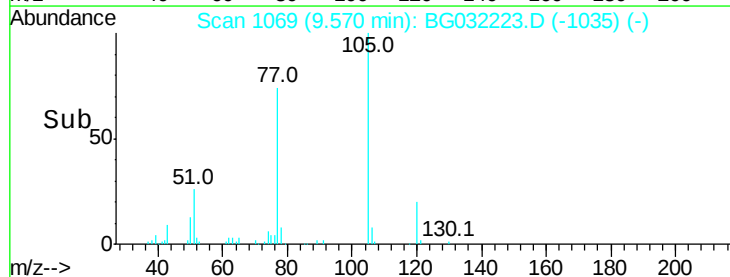
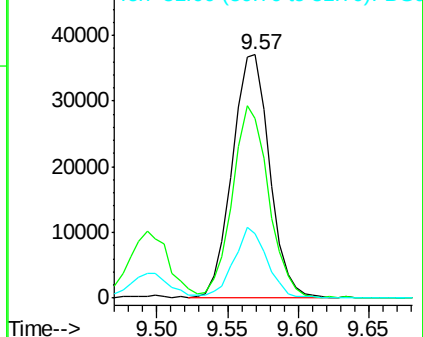
51 26.5 19.8 29.8

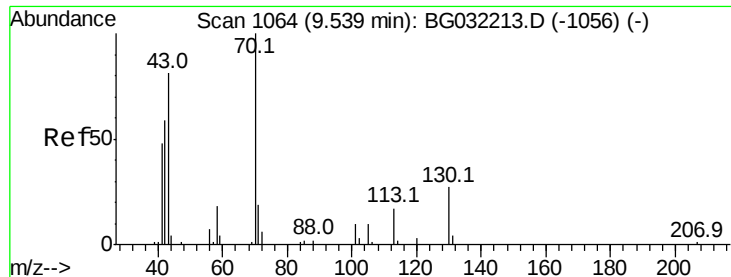


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC





#15

N-Nitroso-di-n-propylamine

Concen: 20.377 ng/ul

RT: 9.54 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

Tot Ion: 70 Resp: 31297

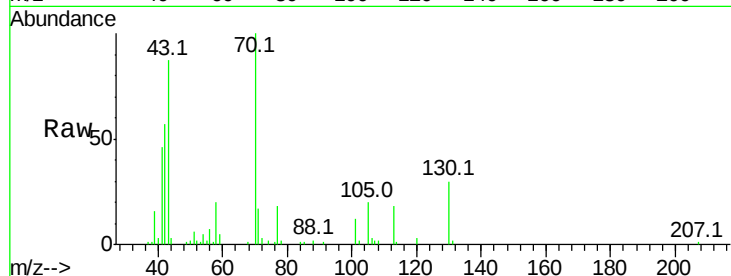
Ion Ratio Lower Upper

70 100

42 57.1 40.2 60.4

101 12.5 7.7 11.5#

130 30.0 17.8 26.6#



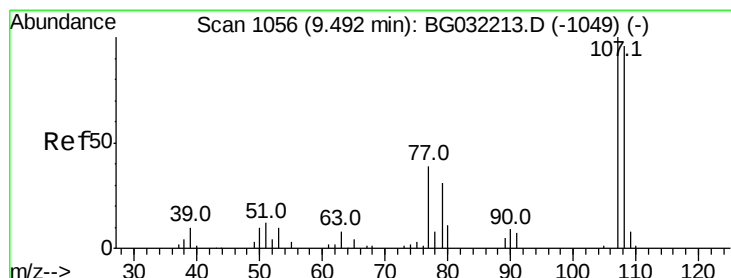
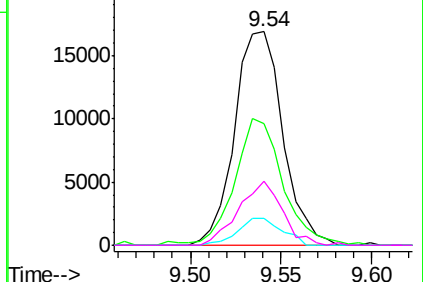
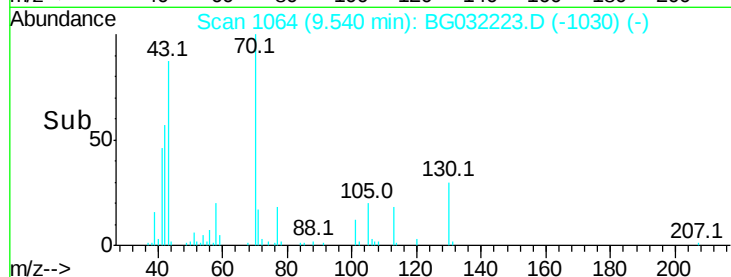
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

Time-->



#16

4-Methylphenol

Concen: 20.809 ng/ul

RT: 9.49 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BG032223.D

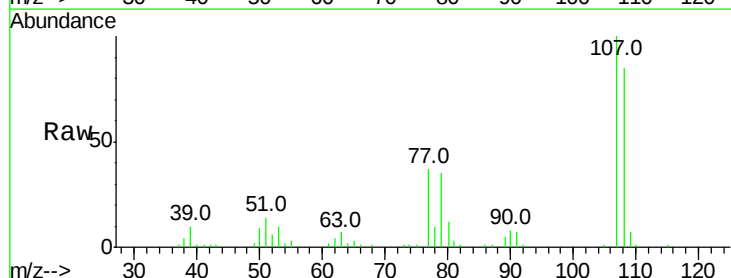
Acq: 22 Jan 2018 22:38

Tgt Ion:108 Resp: 45966

Ion Ratio Lower Upper

108 100

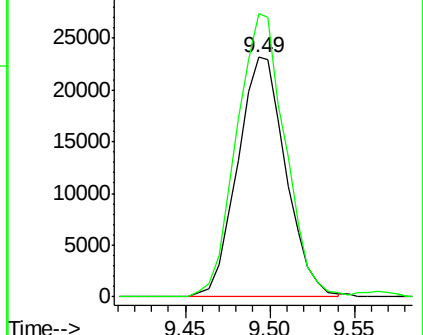
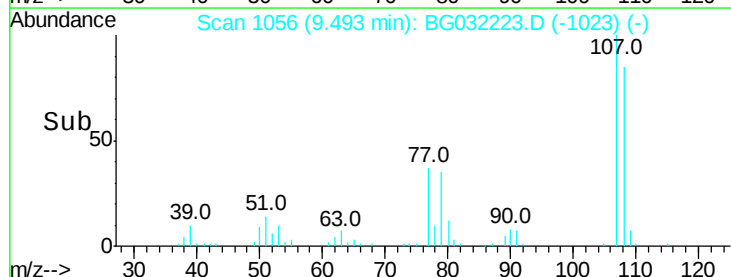
107 118.2 93.6 140.4

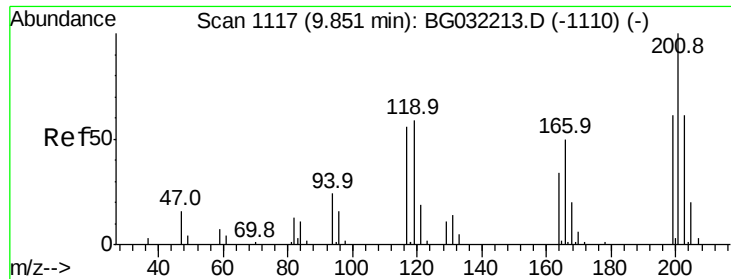


Abundance Ion 108.00 (107.70 to 108.70): BGC

Ion 107.00 (106.70 to 107.70): BGC

Time-->

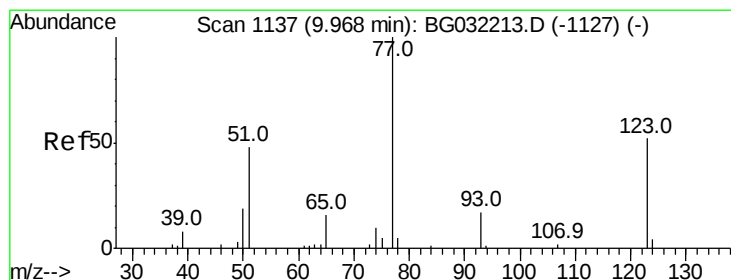
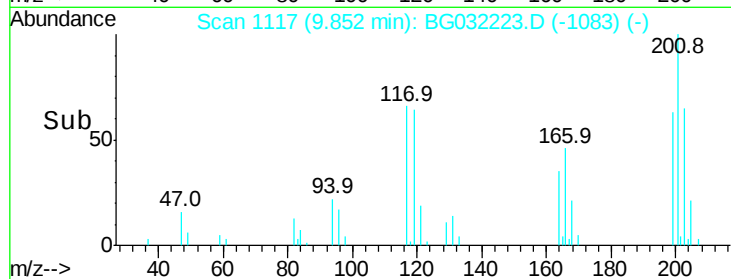
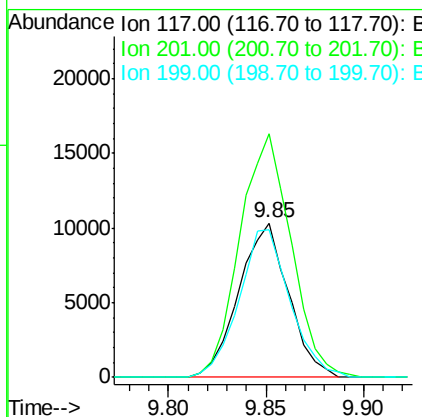
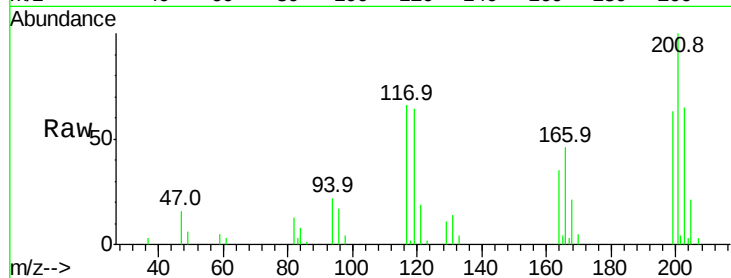




#17  
Hexachloroethane  
Concen: 20.222 ng/ul  
RT: 9.85 min Scan# 1117  
Delta R.T. 0.00 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

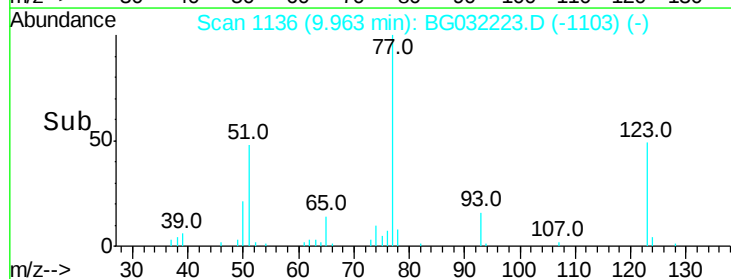
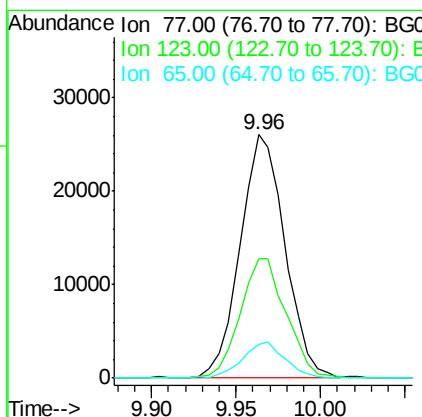
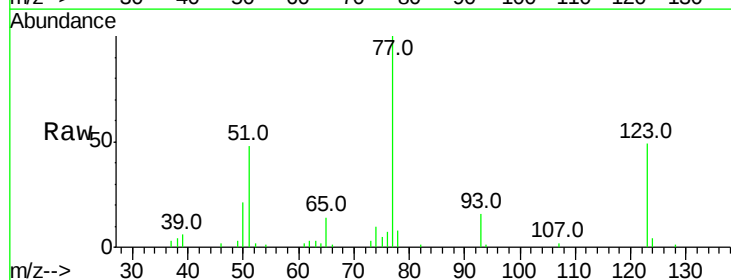
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02083

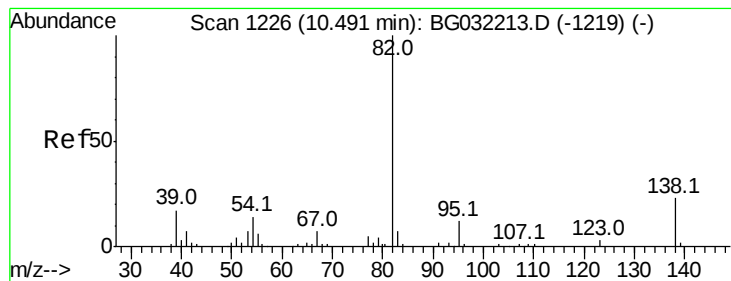
Tot Ion:117 Resp: 18201  
Ion Ratio Lower Upper  
117 100  
201 157.9 96.1 144.1#  
199 95.4 59.7 89.5#



#20  
Nitrobenzene  
Concen: 19.954 ng/ul  
RT: 9.96 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Tgt Ion: 77 Resp: 47970  
Ion Ratio Lower Upper  
77 100  
123 48.9 31.8 47.8#  
65 13.6 10.6 16.0





#21

Isophorone

Concen: 19.909 ng/ul

RT: 10.49 min Scan# 1226

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

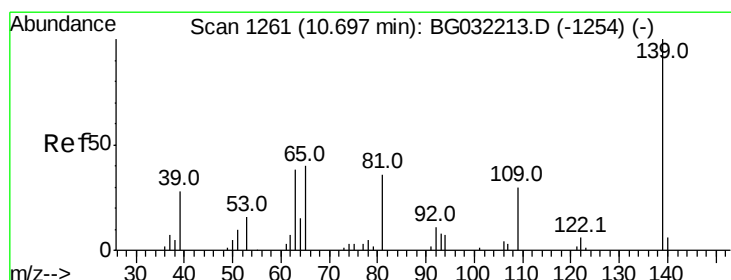
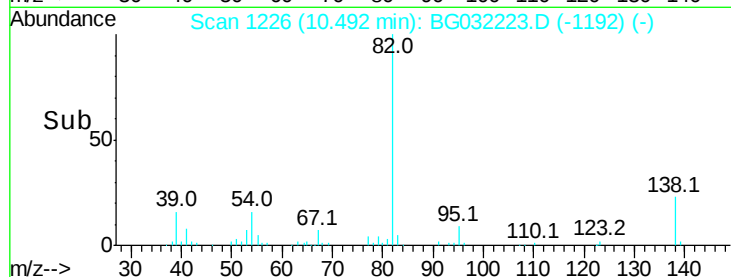
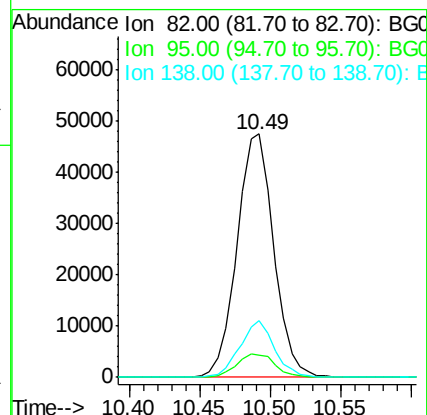
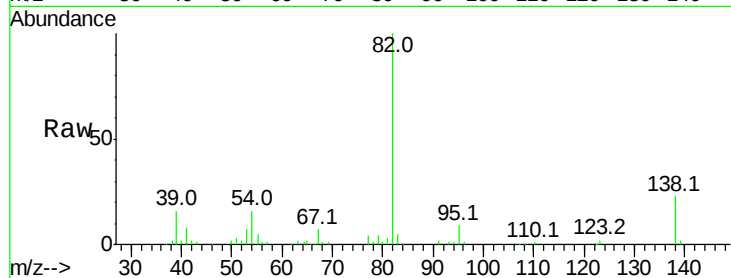
Tot Ion: 82 Resp: 86201

Ion Ratio Lower Upper

82 100

95 9.3 6.1 9.1#

138 23.4 13.5 20.3#



#23

2-Nitrophenol

Concen: 20.714 ng/ul

RT: 10.69 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

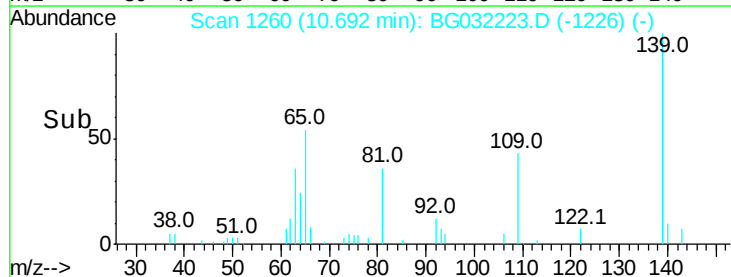
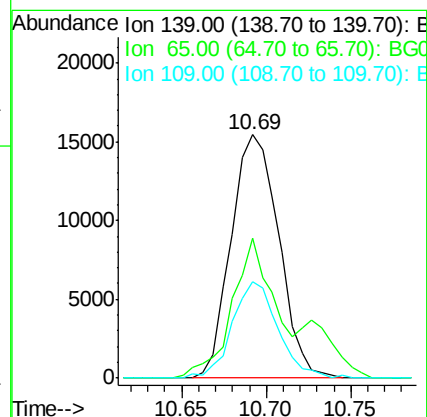
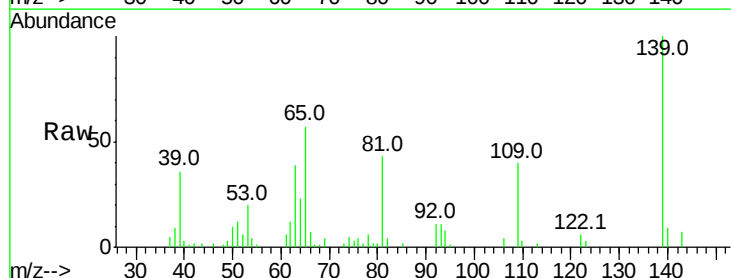
Tgt Ion:139 Resp: 30416

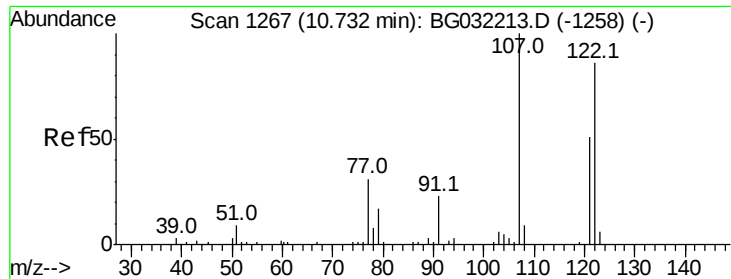
Ion Ratio Lower Upper

139 100

65 57.4 45.3 67.9

109 39.8 27.7 41.5

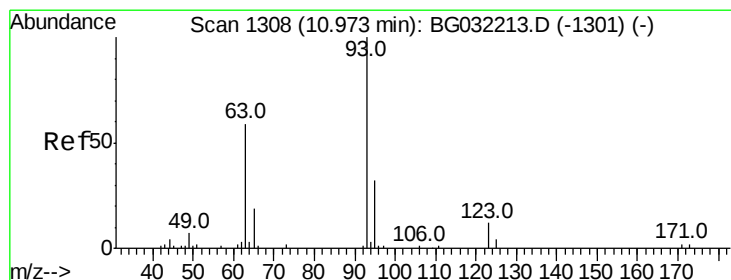
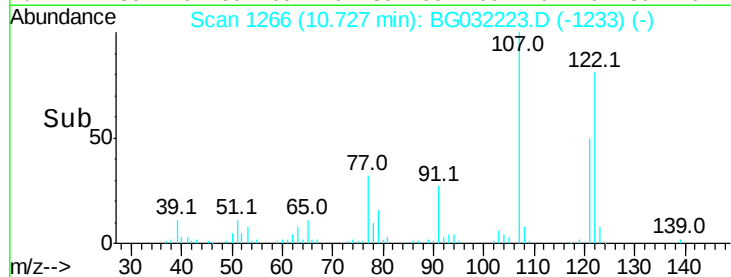
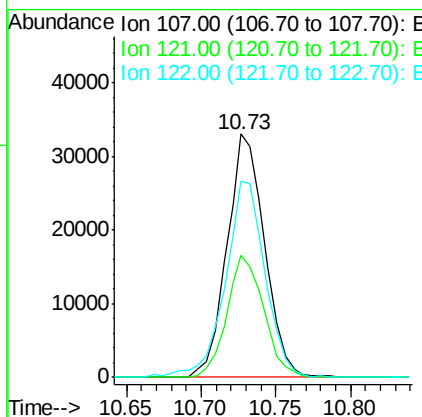
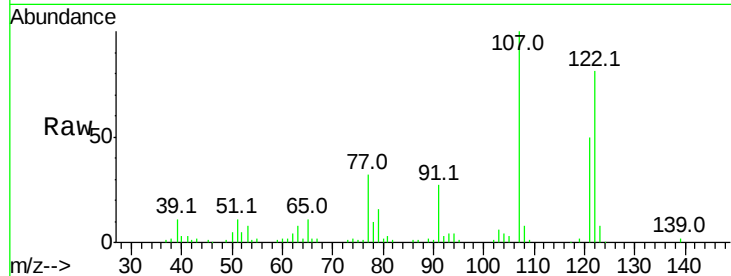




#24  
2,4-Dimethylphenol  
Concen: 19.795 ng/ul  
RT: 10.73 min Scan# 1266  
Delta R.T. -0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

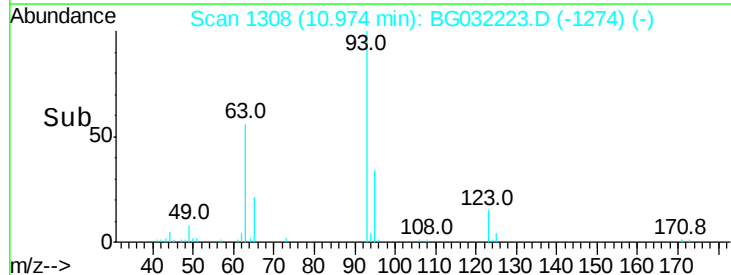
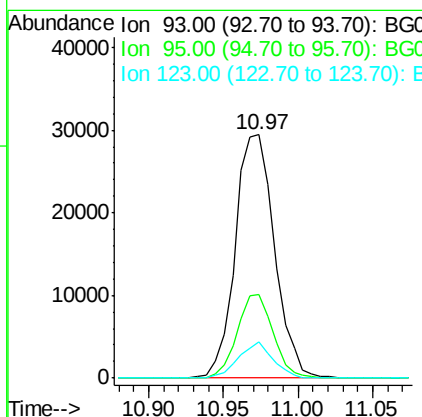
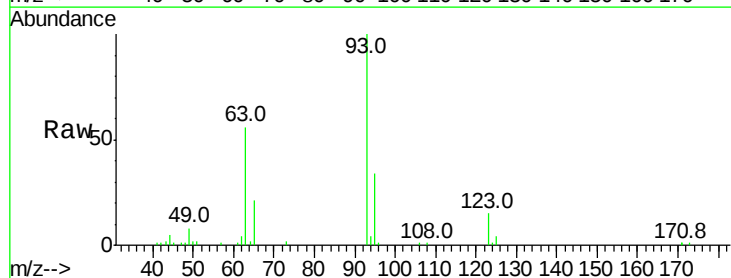
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02083

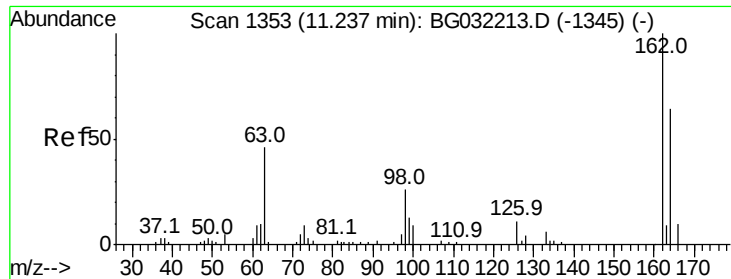
Tot Ion:107 Resp: 58242  
Ion Ratio Lower Upper  
107 100  
121 50.2 38.1 57.1  
122 80.5 63.8 95.8



#25  
Bis(2-Chloroethoxy)methane  
Concen: 19.576 ng/ul  
RT: 10.97 min Scan# 1308  
Delta R.T. 0.00 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Tgt Ion: 93 Resp: 53754  
Ion Ratio Lower Upper  
93 100  
95 34.3 24.7 37.1  
123 14.8 8.2 12.2#

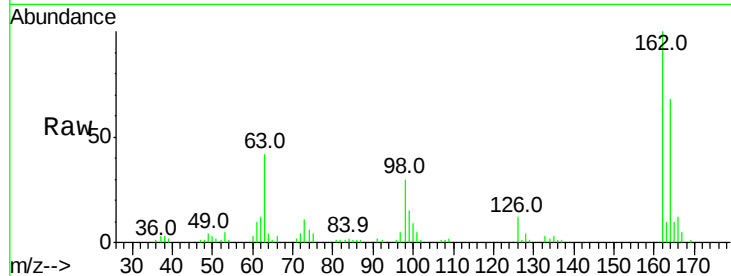




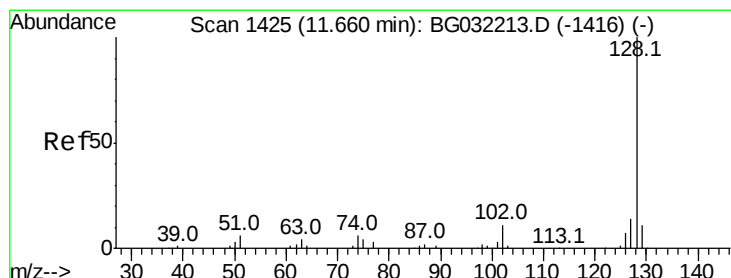
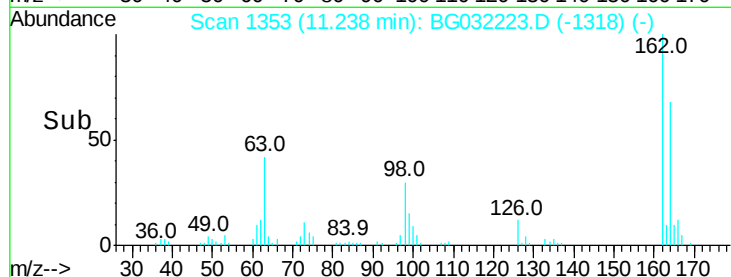
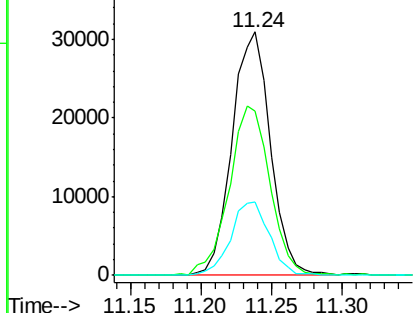
#27  
2,4-Dichlorophenol  
Concen: 19.826 ng/ul  
RT: 11.24 min Scan# 1353  
Delta R.T. 0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02083

Tot Ion:162 Resp: 58653  
Ion Ratio Lower Upper  
162 100  
164 67.5 52.0 78.0  
98 30.4 26.6 39.8

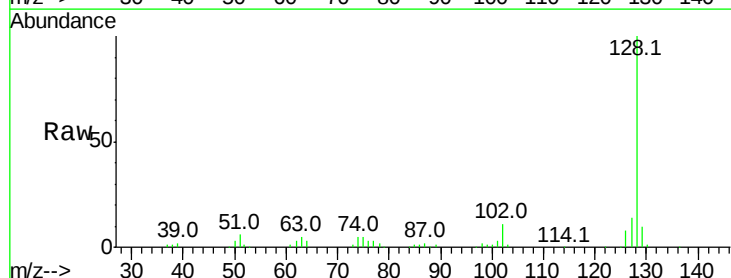


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BGC

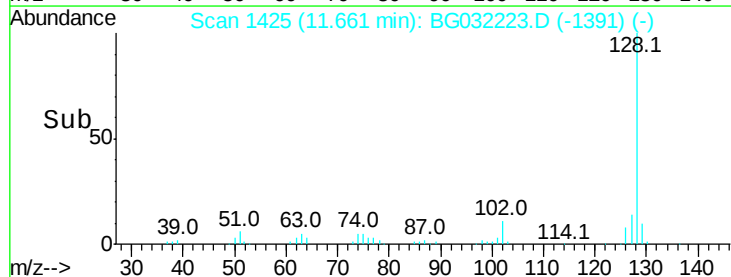
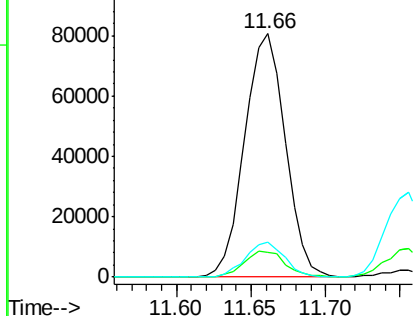


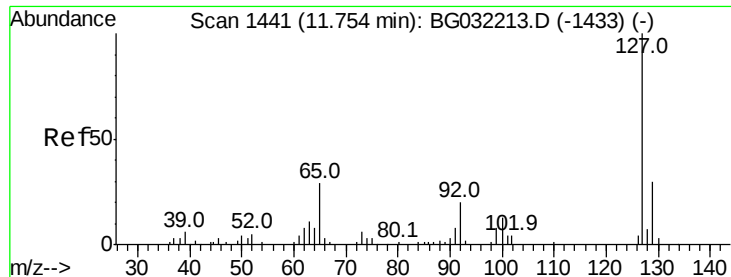
#28  
Naphthalene  
Concen: 20.454 ng/ul  
RT: 11.66 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Tgt Ion:128 Resp: 152918  
Ion Ratio Lower Upper  
128 100  
129 10.2 8.3 12.5  
127 14.3 10.8 16.2



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

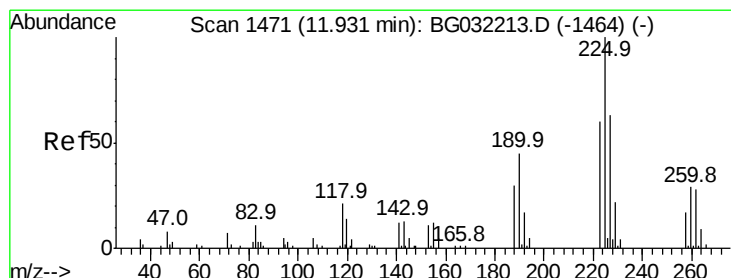
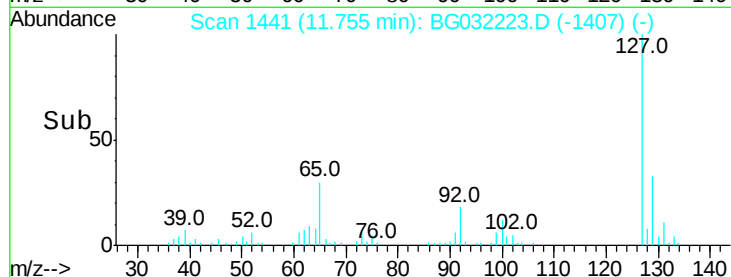
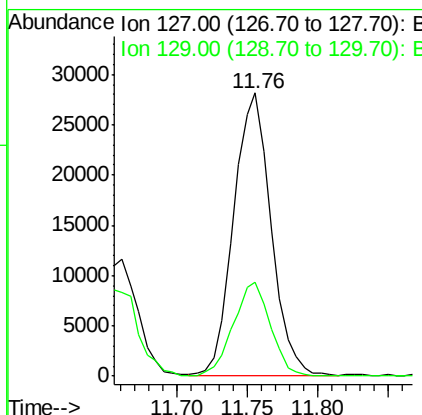
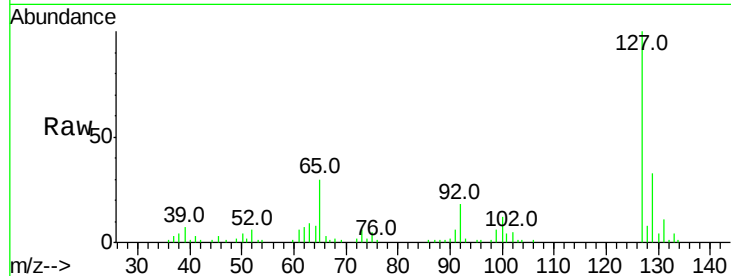




#30  
4-Chloroaniline  
Concen: 24.595 ng/ul  
RT: 11.76 min Scan# 1441  
Delta R.T. 0.00 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

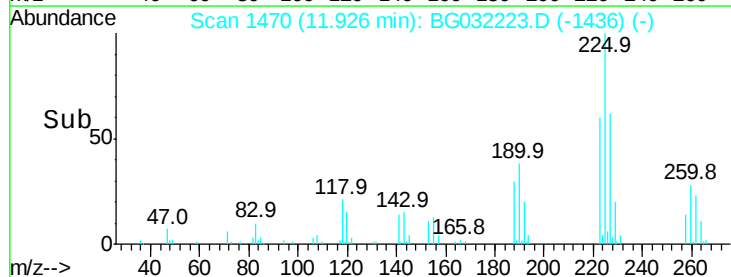
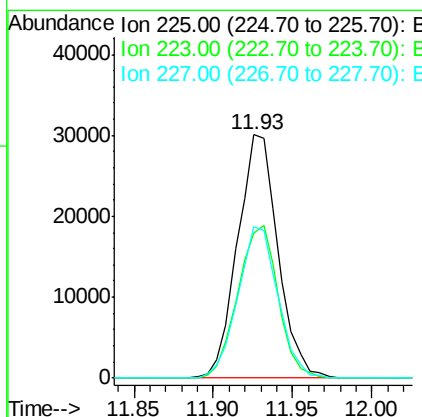
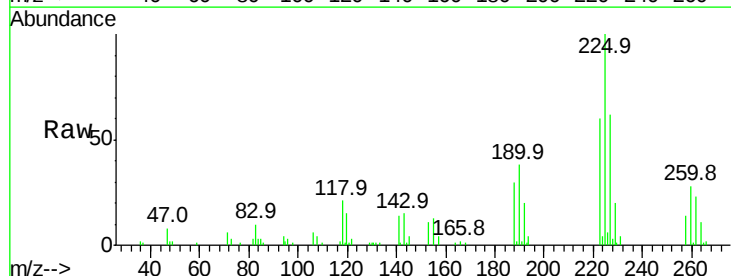
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02083

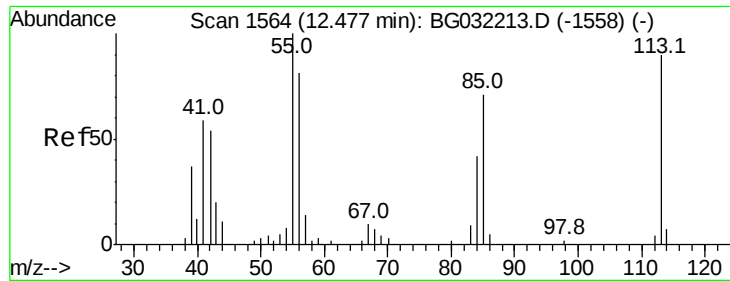
Tot Ion:127 Resp: 52282  
Ion Ratio Lower Upper  
127 100  
129 33.0 24.6 37.0



#31  
Hexachlorobutadiene  
Concen: 19.862 ng/ul  
RT: 11.93 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Tgt Ion:225 Resp: 53114  
Ion Ratio Lower Upper  
225 100  
223 59.8 48.1 72.1  
227 62.3 52.1 78.1





#32

Caprolactam

Concen: 21.689 ng/ul

RT: 12.48 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

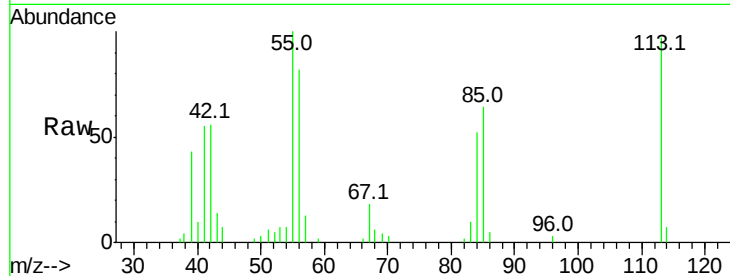
Tot Ion:113 Resp: 16594

Ion Ratio Lower Upper

113 100

55 102.8 131.7 197.5#

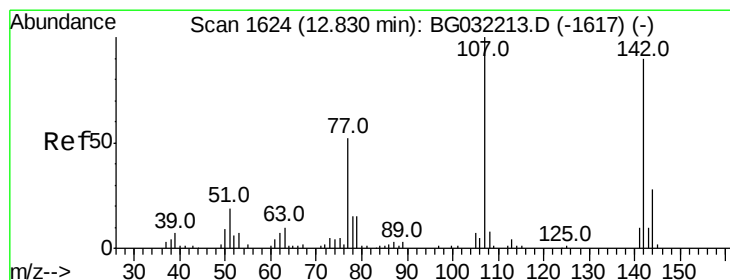
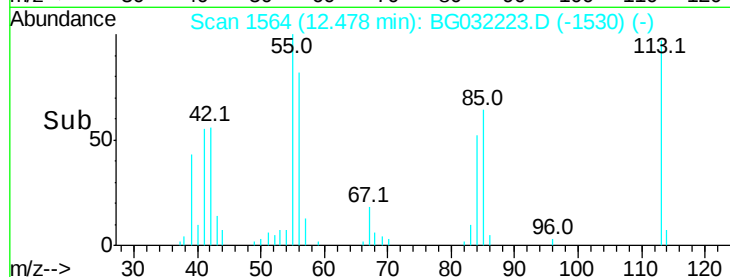
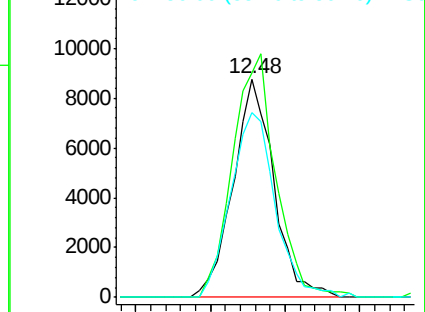
56 84.4 92.7 139.1#



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: 20.528 ng/ul

RT: 12.82 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

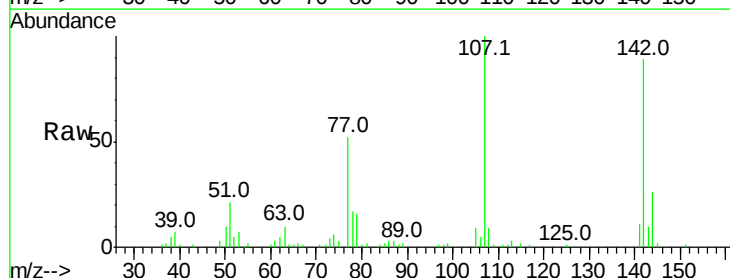
Tgt Ion:107 Resp: 54959

Ion Ratio Lower Upper

107 100

144 26.5 21.1 31.7

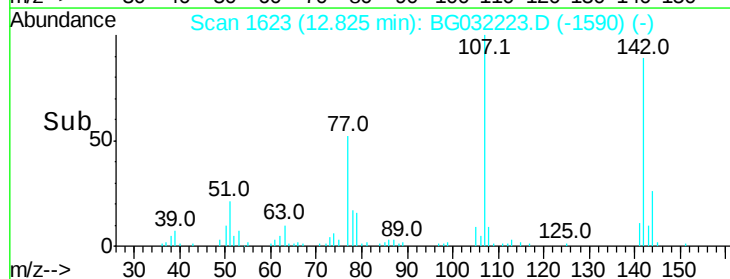
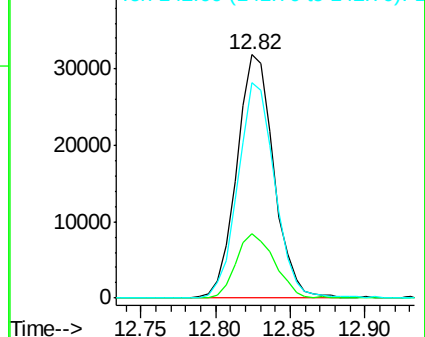
142 88.5 60.1 90.1

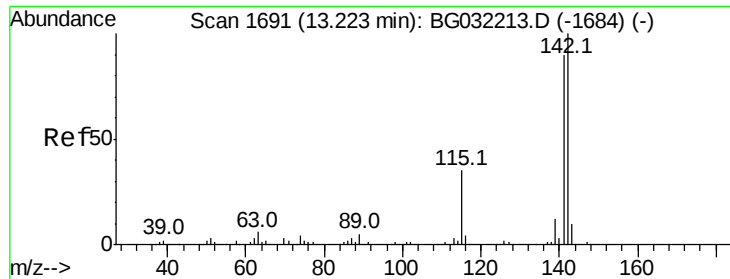


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#34

2-Methylnaphthalene

Concen: 20.438 ng/ul

RT: 13.22 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

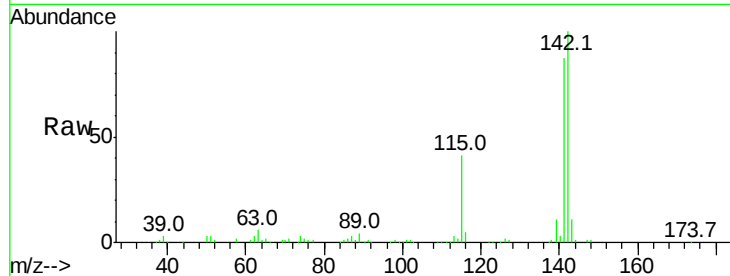
SSTD02083

Tot Ion:142 Resp: 129954

Ion Ratio Lower Upper

142 100

141 86.5 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.22

80000

60000

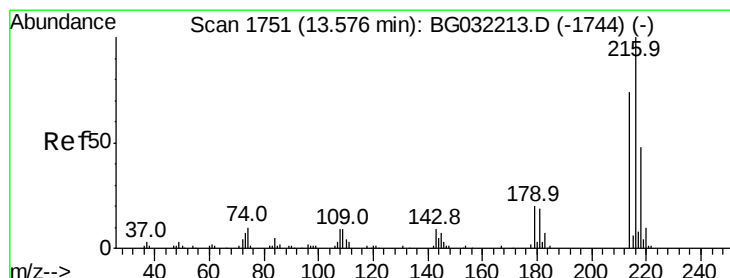
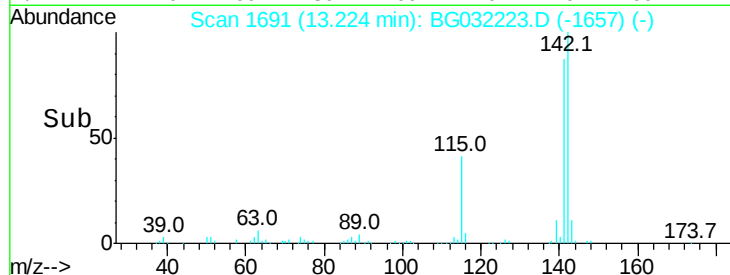
40000

20000

0

13.15 13.20 13.25 13.30

Time-->



#36

1,2,4,5-Tetrachlorobenzene

Concen: 19.923 ng/ul

RT: 13.58 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Tgt Ion:216 Resp: 102165

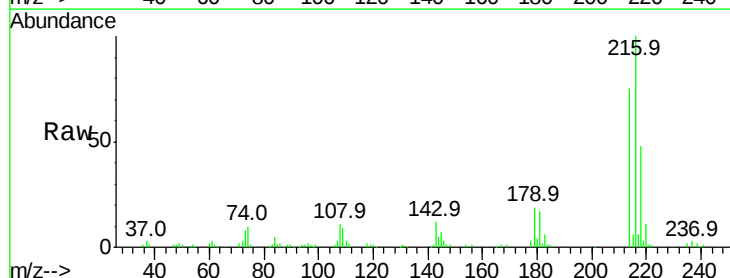
Ion Ratio Lower Upper

216 100

214 74.6 64.1 96.1

179 19.5 14.5 21.7

108 11.5 10.4 15.6



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

13.58

80000

60000

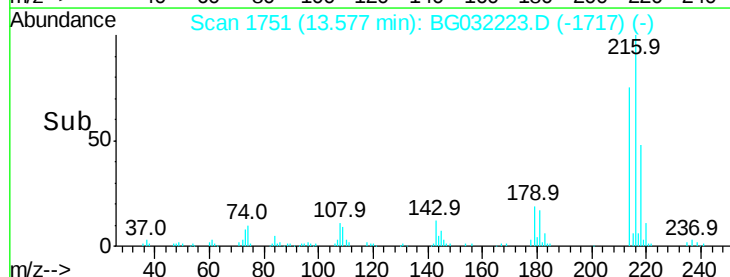
40000

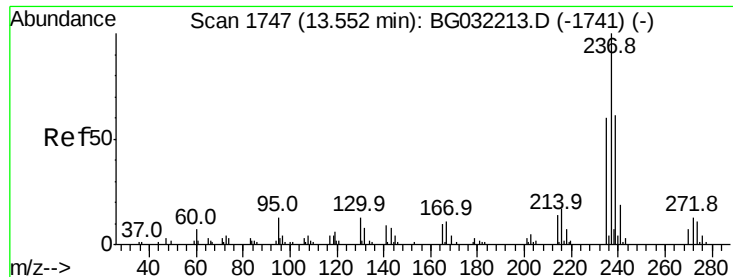
20000

0

13.50 13.55 13.60 13.65

Time-->





#37

Hexachlorocyclopentadiene

Concen: 17.137 ng/ul

RT: 13.55 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

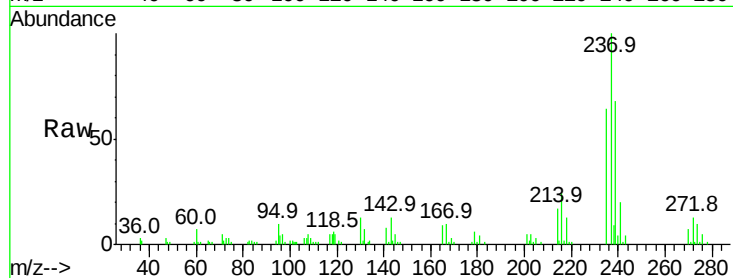
BNA\_G

ClientSampleId :

SSTD02083

Tot Ion:237 Resp: 37915

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 64.2  | 49.5  | 74.3  |
| 272 | 13.7  | 8.6   | 12.8# |

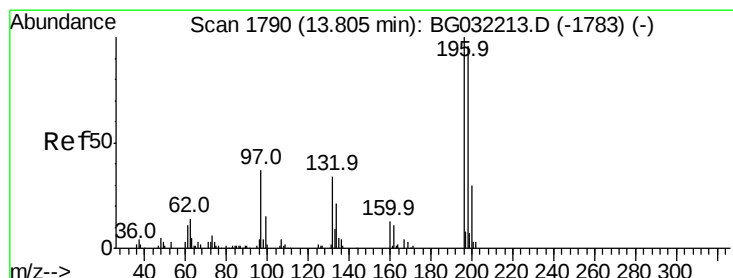
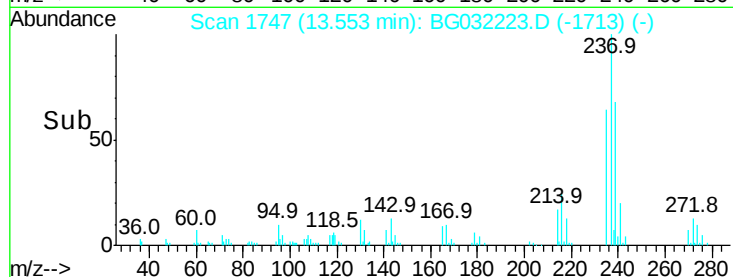
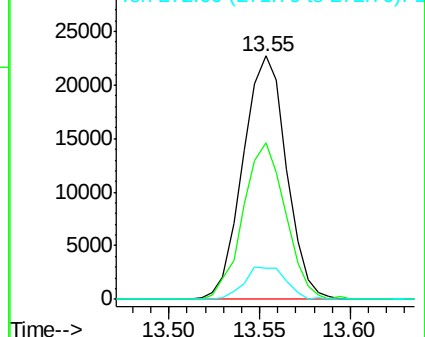


Abundance

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



#38

2,4,6-Trichlorophenol

Concen: 19.794 ng/ul

RT: 13.81 min Scan# 1790

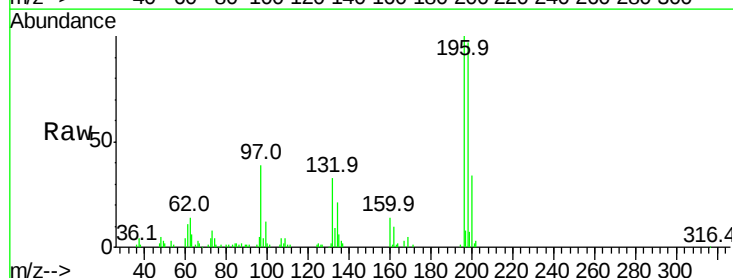
Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Tgt Ion:196 Resp: 58635

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 97.2  | 75.9  | 113.9 |
| 200 | 33.7  | 25.8  | 38.6  |

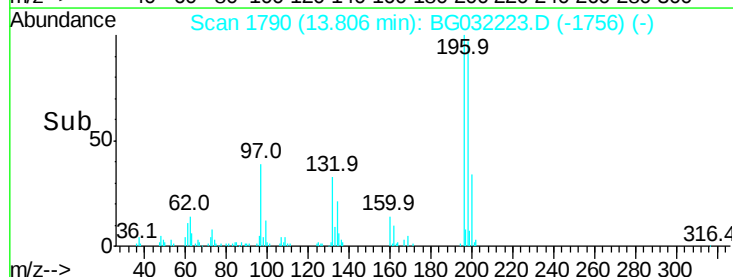
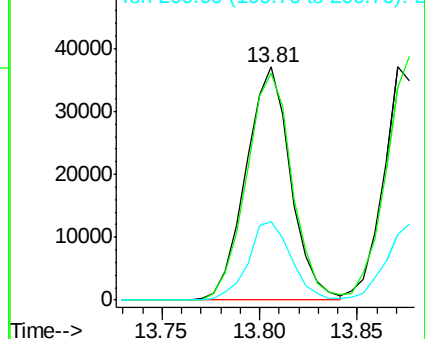


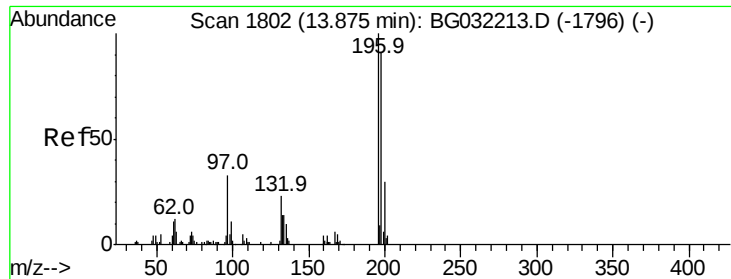
Abundance

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

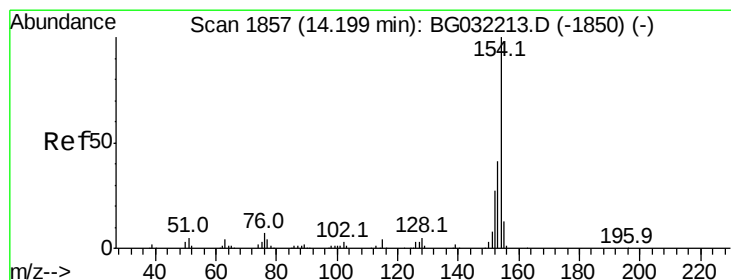
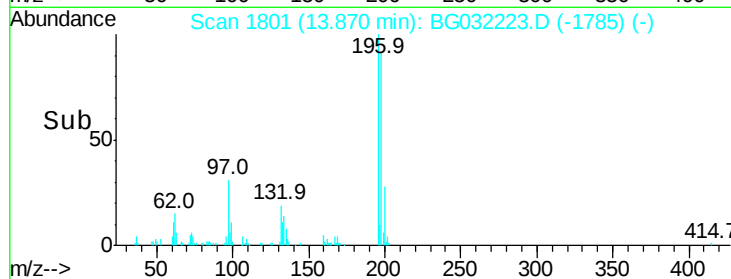
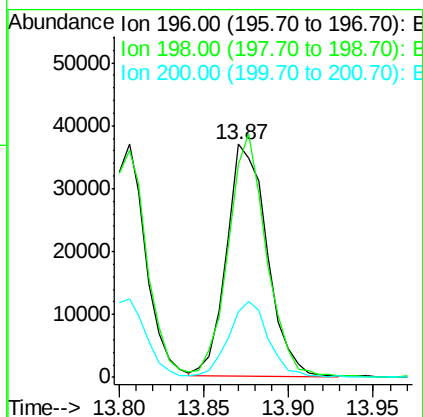
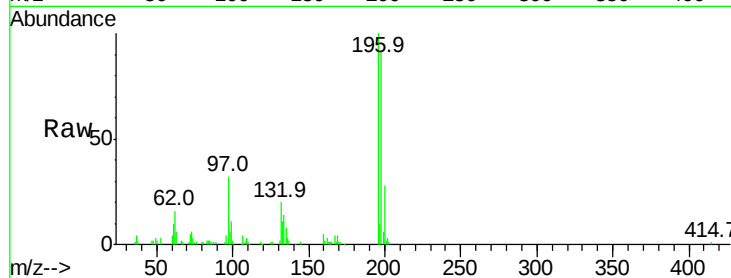




#39  
 2,4,5-Trichlorophenol  
 Concen: 20.120 ng/ul  
 RT: 13.87 min Scan# 1801  
 Delta R.T. -0.01 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

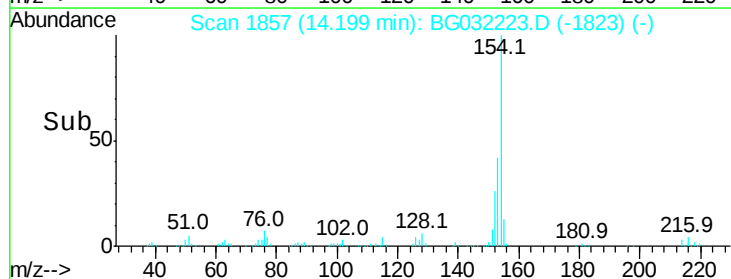
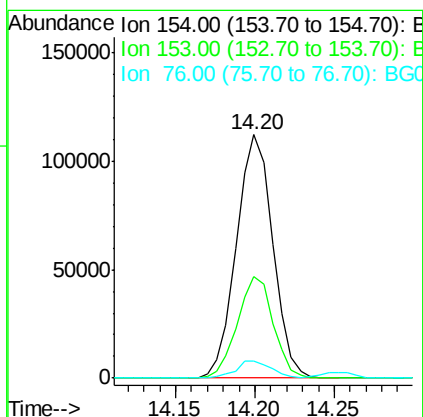
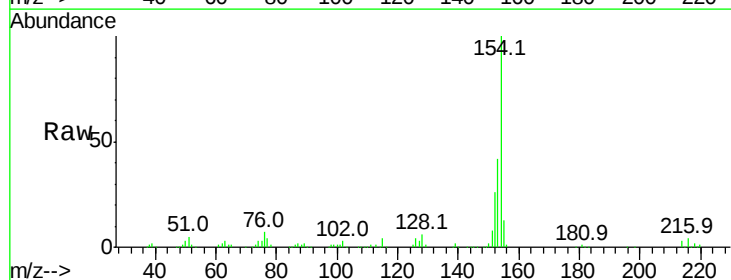
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02083

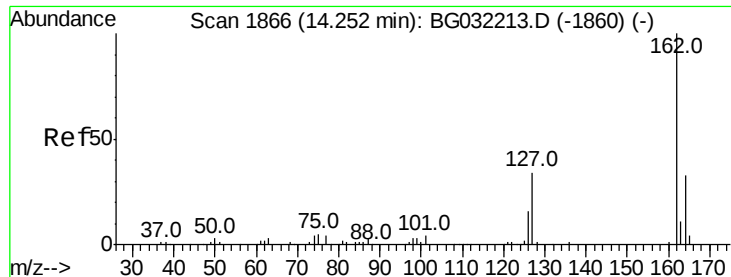
Tot Ion:196 Resp: 61523  
 Ion Ratio Lower Upper  
 196 100  
 198 91.2 74.7 112.1  
 200 28.2 25.4 38.0



#40  
 1,1'-Biphenyl  
 Concen: 19.701 ng/ul  
 RT: 14.20 min Scan# 1857  
 Delta R.T. 0.00 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

Tgt Ion:154 Resp: 178807  
 Ion Ratio Lower Upper  
 154 100  
 153 41.7 34.0 51.0  
 76 7.2 8.4 12.6#

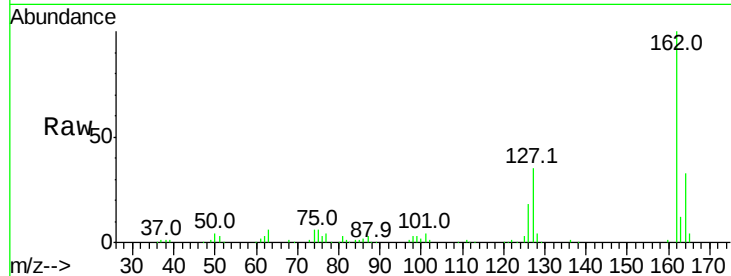




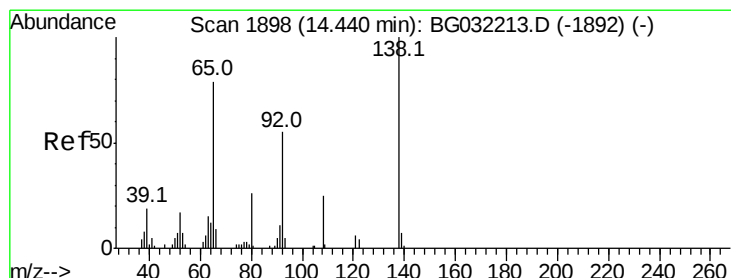
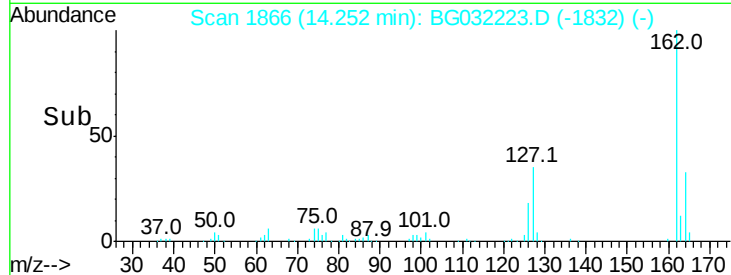
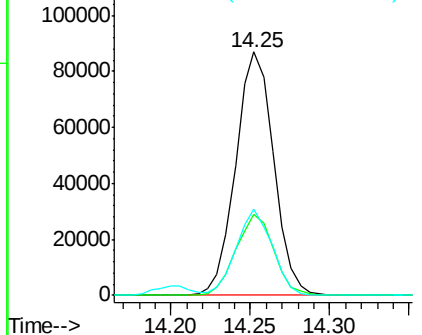
#41  
 2-Chloronaphthalene  
 Concen: 19.797 ng/ul  
 RT: 14.25 min Scan# 1866  
 Delta R.T. 0.00 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02083

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 33.0  | 26.2  | 39.4  |
| 127     | 35.3  | 29.5  | 44.3  |

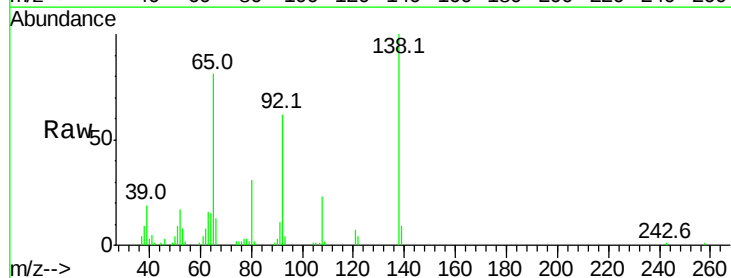


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 127.00 (126.70 to 127.70): E

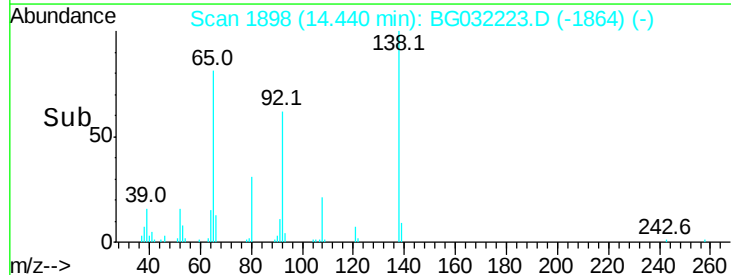
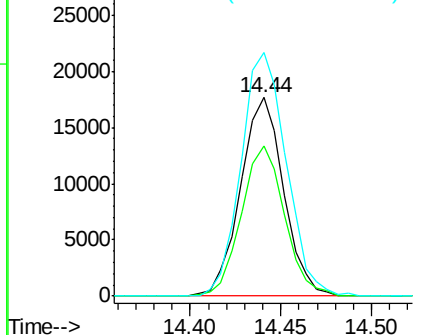


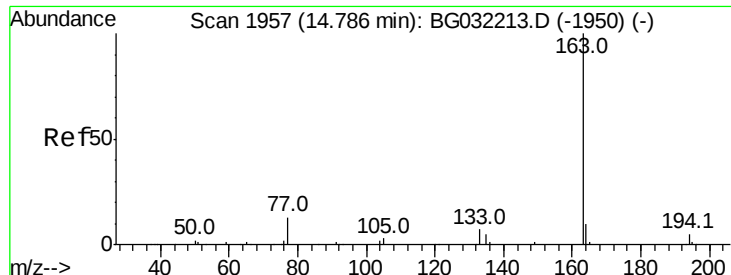
#42  
 2-Nitroaniline  
 Concen: 20.122 ng/ul  
 RT: 14.44 min Scan# 1898  
 Delta R.T. 0.00 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 75.8  | 57.0  | 85.4  |
| 138     | 122.8 | 87.2  | 130.8 |



Abundance Ion 65.00 (64.70 to 65.70): BGC  
 Ion 92.00 (91.70 to 92.70): BGC  
 Ion 138.00 (137.70 to 138.70): E





#44

Dimethylphthalate

Concen: 20.246 ng/ul

RT: 14.79 min Scan# 1957

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

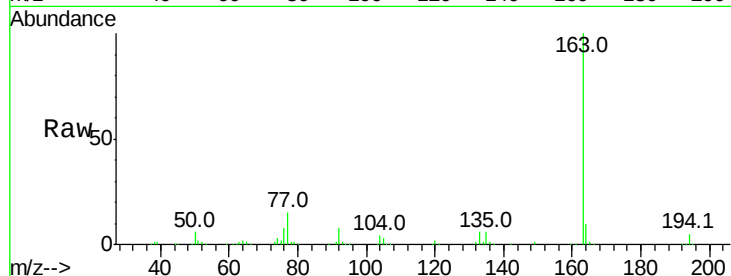
Tot Ion:163 Resp: 186590

Ion Ratio Lower Upper

163 100

194 4.6 4.0 6.0

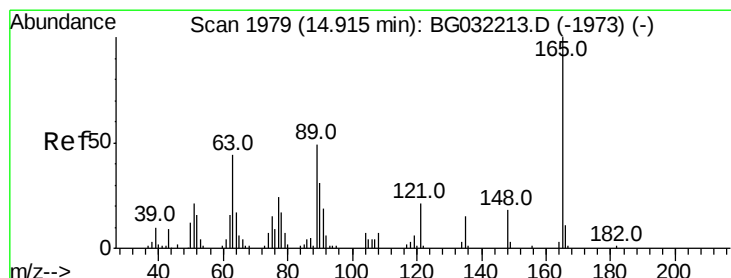
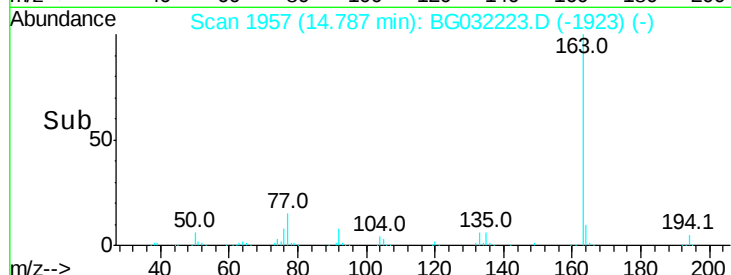
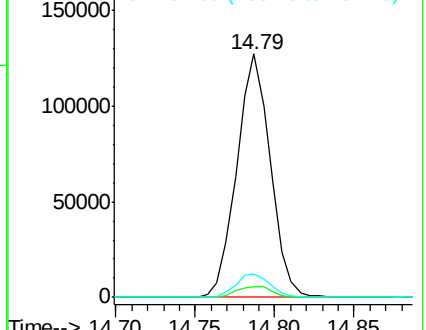
164 9.9 8.4 12.6



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



#45

2,6-Dinitrotoluene

Concen: 21.297 ng/ul

RT: 14.92 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

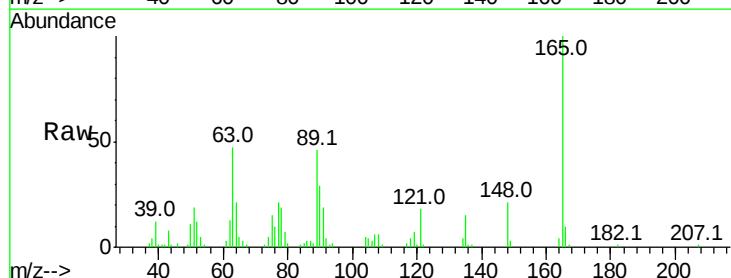
Tgt Ion:165 Resp: 40070

Ion Ratio Lower Upper

165 100

89 46.2 43.8 65.8

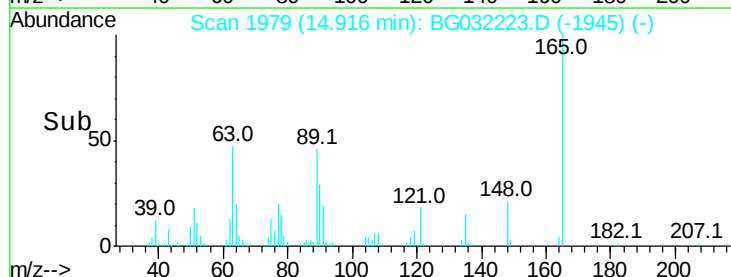
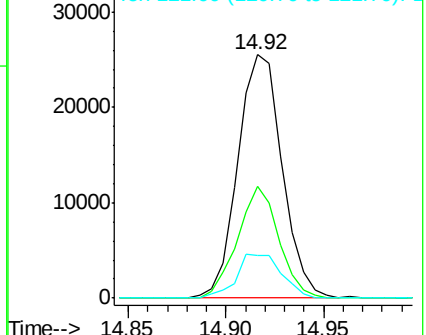
121 17.7 17.8 26.6#

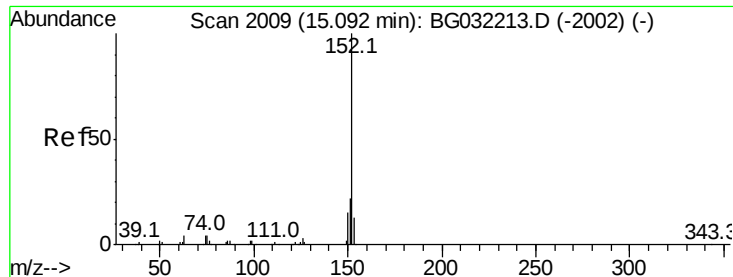


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BGC

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 20.058 ng/ul

RT: 15.09 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

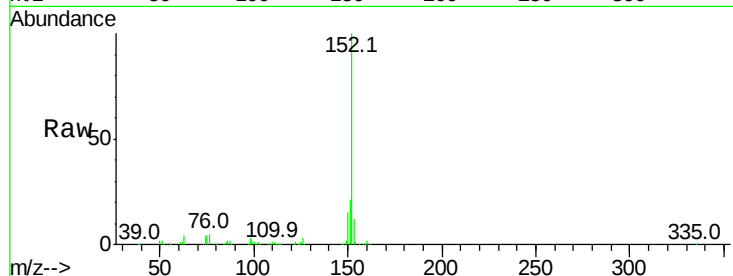
BNA\_G

ClientSampleId :

SSTD02083

Tot Ion:152 Resp: 205880

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 21.2  | 16.1  | 24.1  |
| 153 | 12.4  | 10.8  | 16.2  |

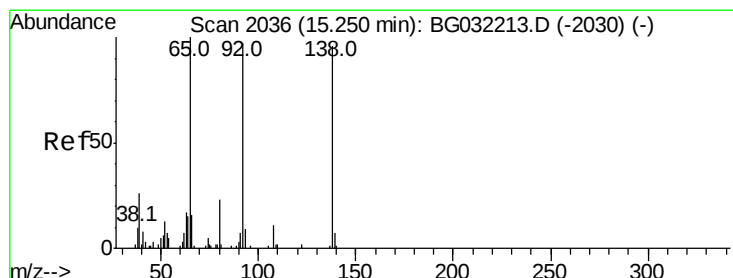
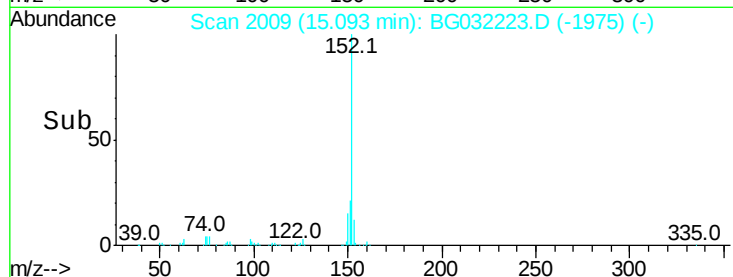
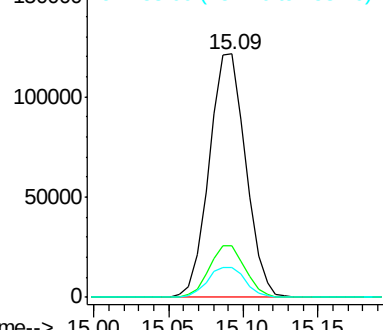


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#48

3-Nitroaniline

Concen: 21.656 ng/ul

RT: 15.25 min Scan# 2036

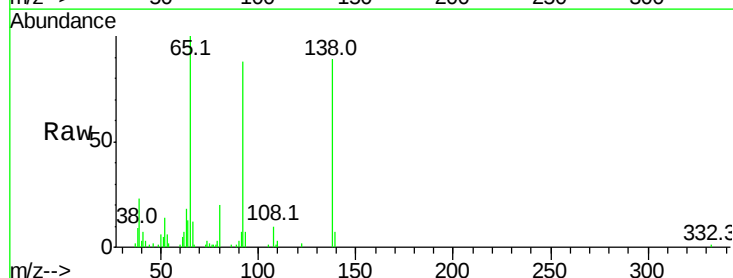
Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Tgt Ion:138 Resp: 29744

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 11.2  | 7.6   | 11.4  |
| 92  | 99.6  | 94.2  | 141.2 |

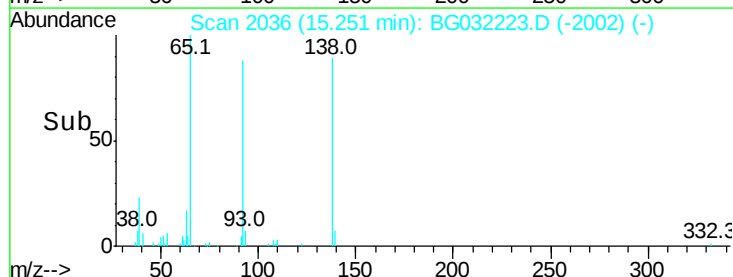
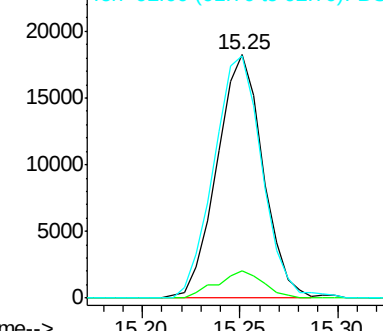


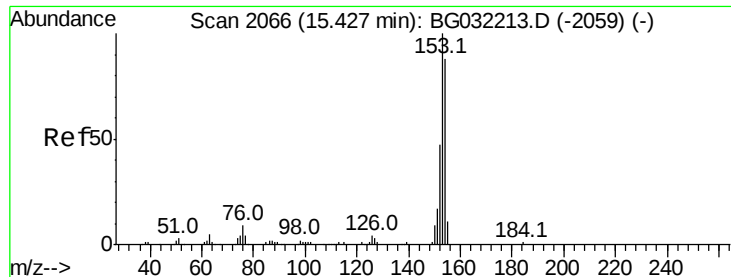
Abundance

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





#49

Acenaphthene

Concen: 20.081 ng/ul

RT: 15.43 min Scan# 2066

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

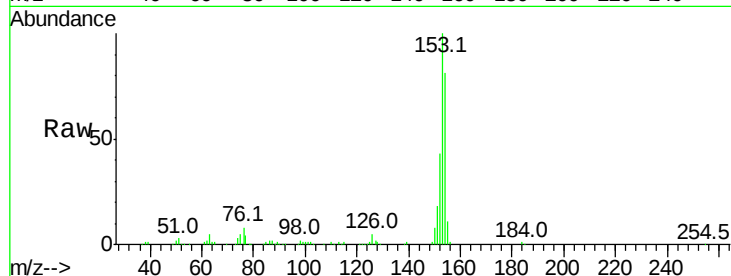
Tot Ion:153 Resp: 150442

Ion Ratio Lower Upper

153 100

152 43.4 37.9 56.9

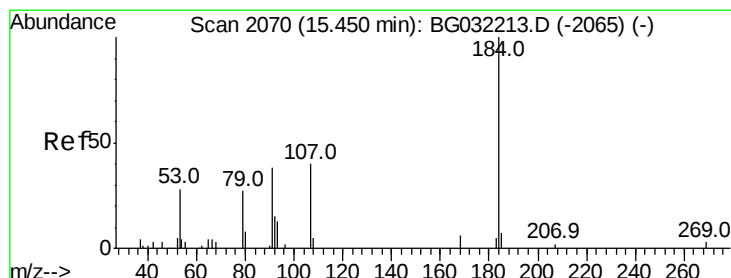
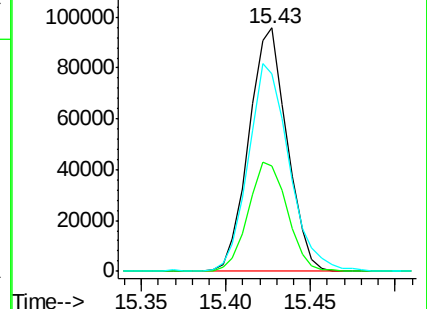
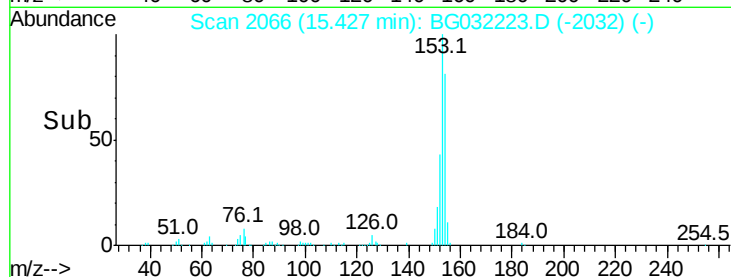
154 81.0 69.8 104.6



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



#50

2,4-Dinitrophenol

Concen: 14.291 ng/ul

RT: 15.45 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

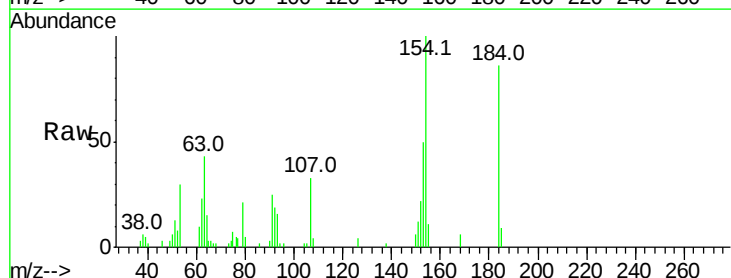
Tgt Ion:184 Resp: 13899

Ion Ratio Lower Upper

184 100

63 49.4 39.7 59.5

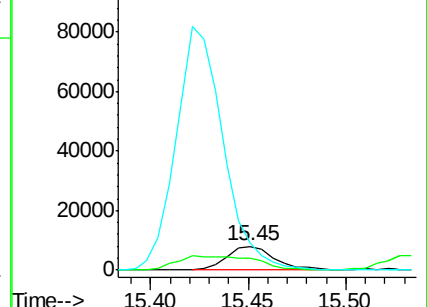
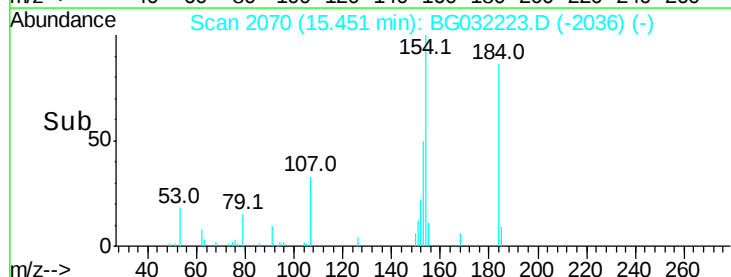
154 116.3 45.0 67.6#

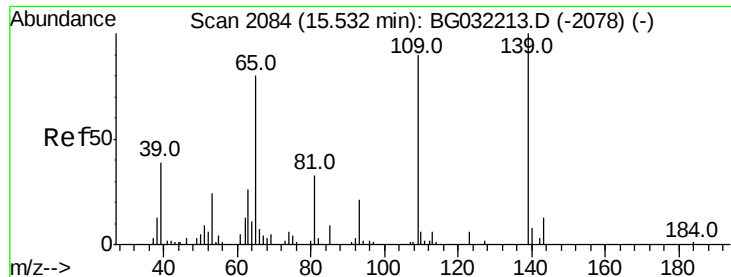


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 19.593 ng/ul

RT: 15.53 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

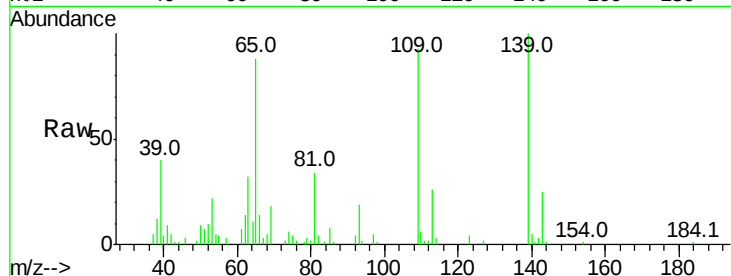
Tot Ion:109 Resp: 23118

Ion Ratio Lower Upper

109 100

139 107.7 91.2 136.8

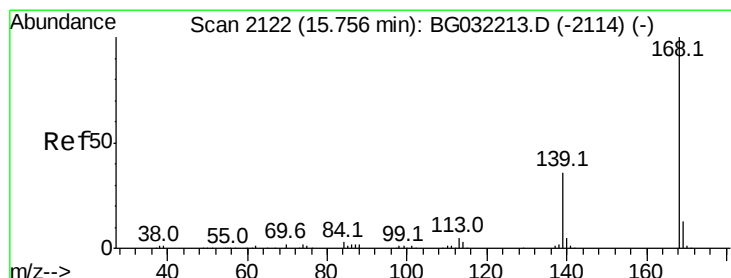
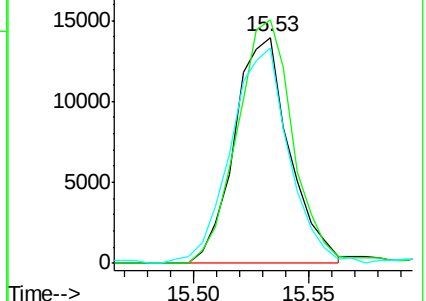
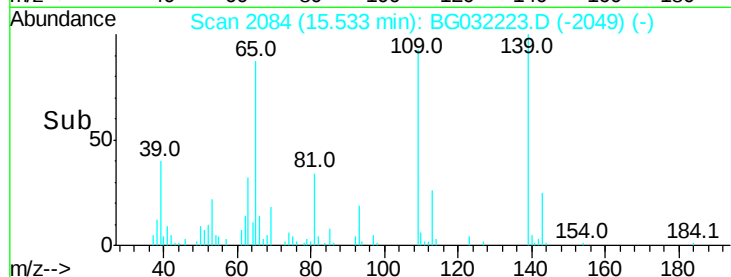
65 95.0 92.6 139.0



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): B



#53

Dibenzofuran

Concen: 19.965 ng/ul

RT: 15.76 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BG032223.D

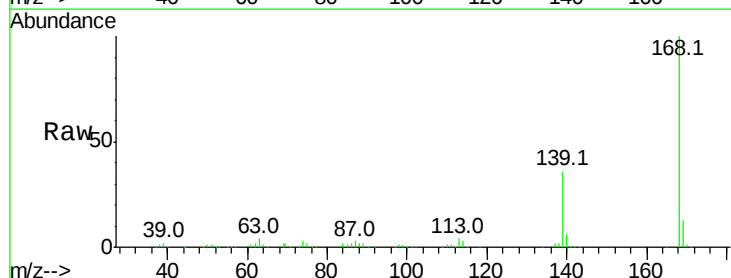
Acq: 22 Jan 2018 22:38

Tgt Ion:168 Resp: 225291

Ion Ratio Lower Upper

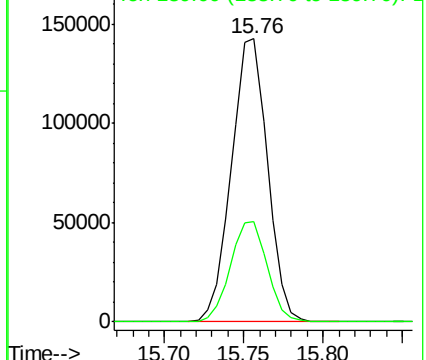
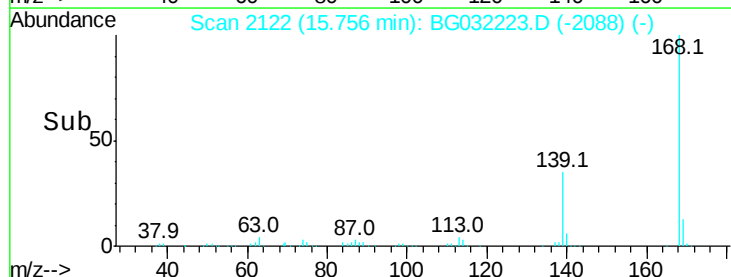
168 100

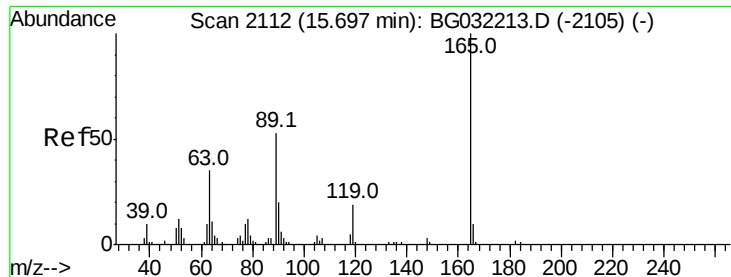
139 35.6 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

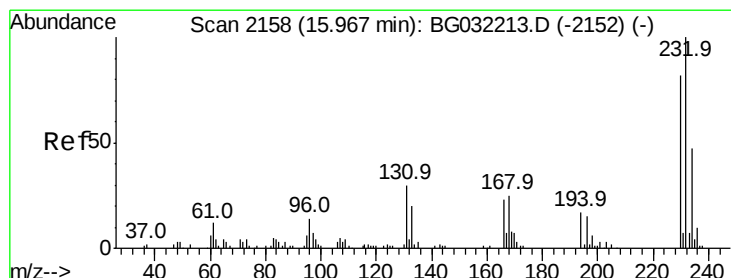
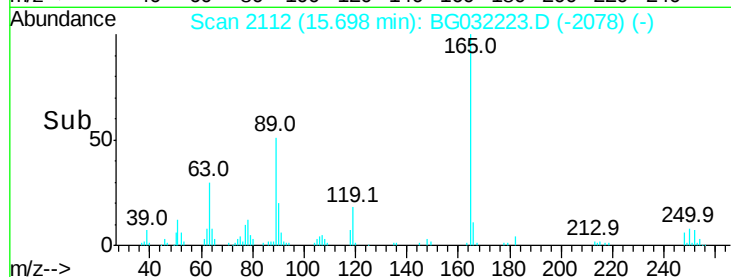
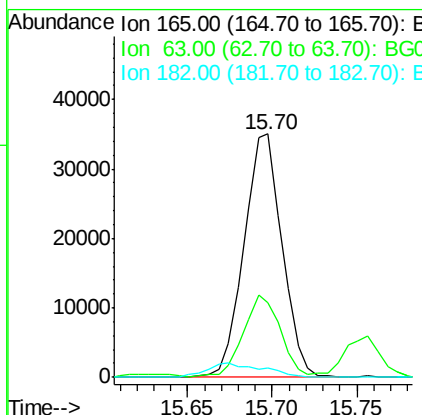
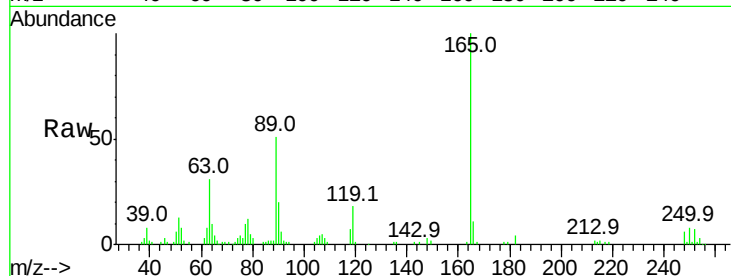




#54  
 2,4-Dinitrotoluene  
 Concen: 20.227 ng/ul  
 RT: 15.70 min Scan# 2112  
 Delta R.T. 0.00 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

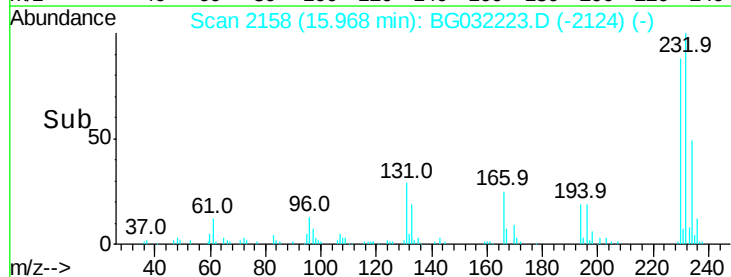
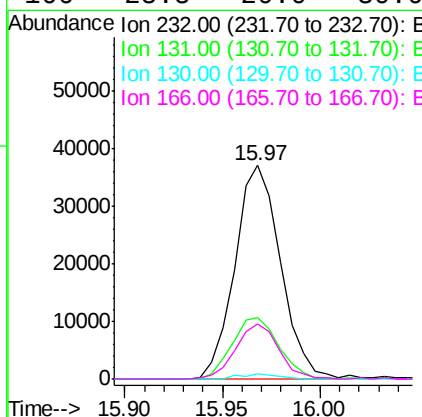
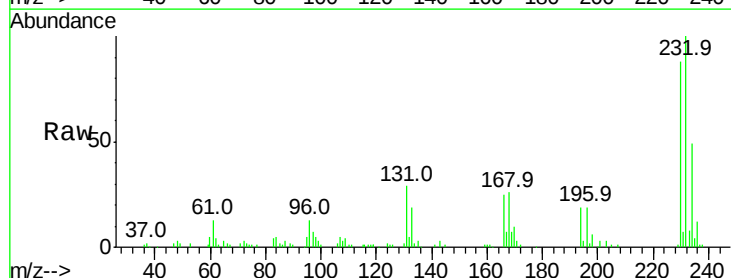
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02083

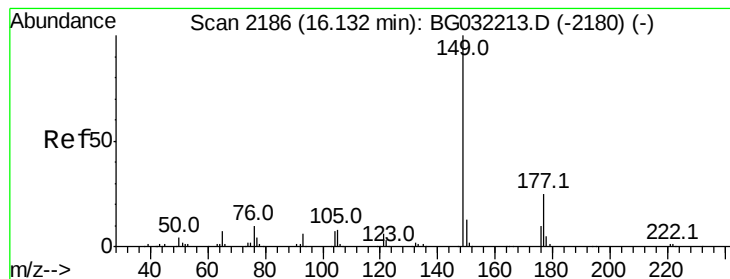
Tot Ion:165 Resp: 55030  
 Ion Ratio Lower Upper  
 165 100  
 63 30.8 31.4 47.0#  
 182 3.9 2.7 4.1



#55  
 2,3,4,6-Tetrachlorophenol  
 Concen: 20.444 ng/ul  
 RT: 15.97 min Scan# 2158  
 Delta R.T. 0.00 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

Tgt Ion:232 Resp: 59816  
 Ion Ratio Lower Upper  
 232 100  
 131 28.7 27.1 40.7  
 130 2.5 0.0 0.0#  
 166 25.5 20.0 30.0





#56

Diethylphthalate

Concen: 20.272 ng/ul

RT: 16.13 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

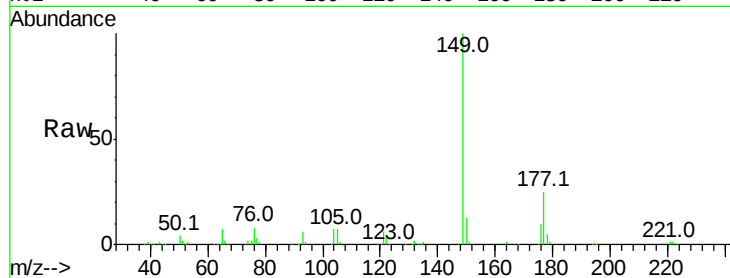
Tot Ion:149 Resp: 176815

Ion Ratio Lower Upper

149 100

177 24.5 19.3 28.9

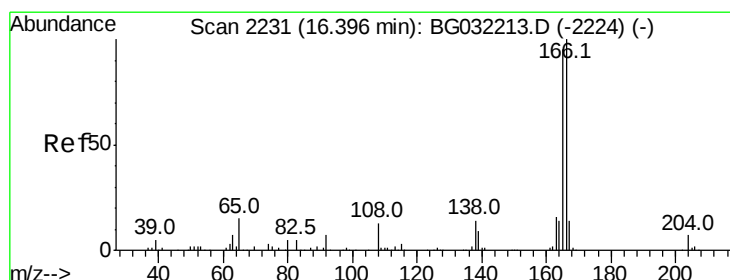
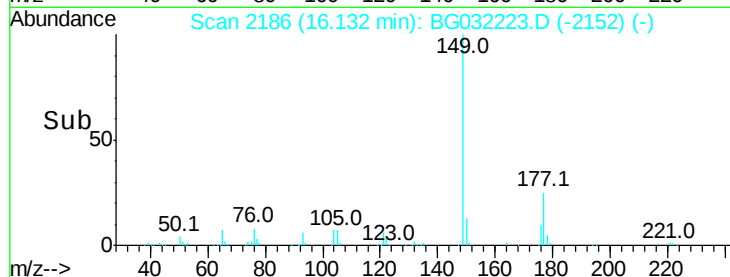
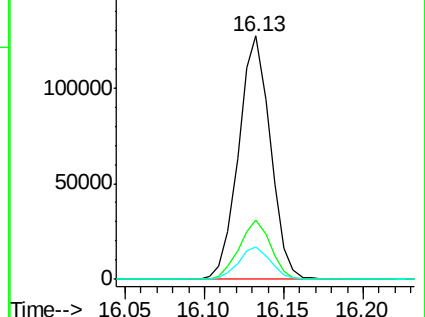
150 13.1 10.6 15.8



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



#58

Fluorene

Concen: 20.285 ng/ul

RT: 16.40 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

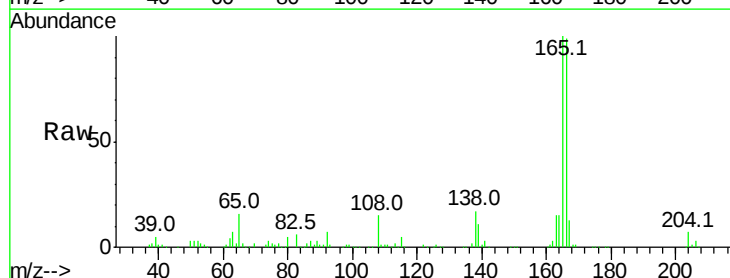
Tgt Ion:166 Resp: 181471

Ion Ratio Lower Upper

166 100

165 100.8 78.4 117.6

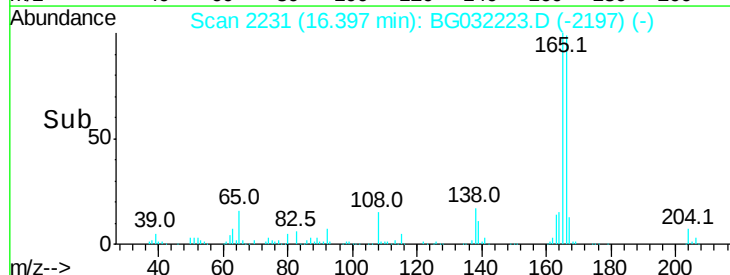
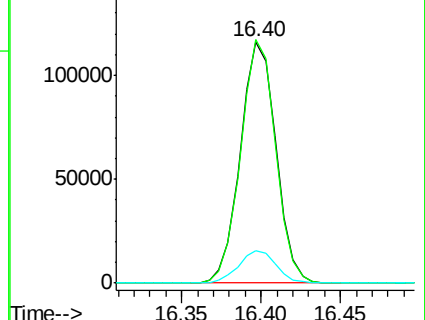
167 13.6 11.1 16.7

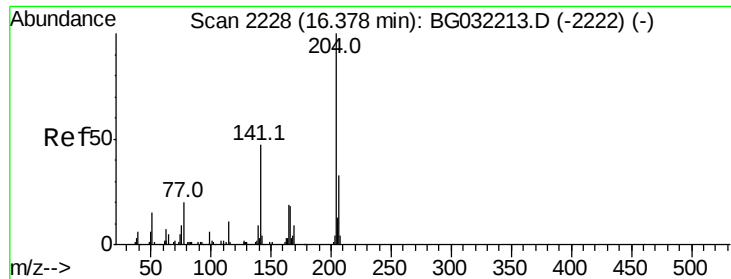


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

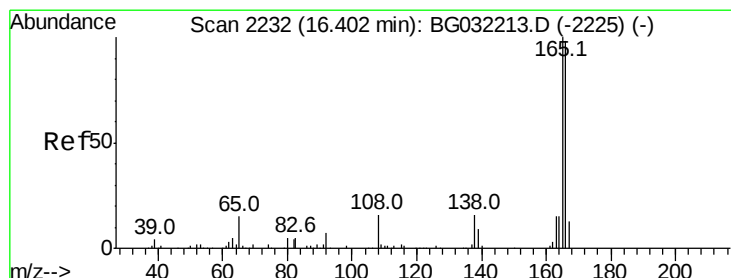
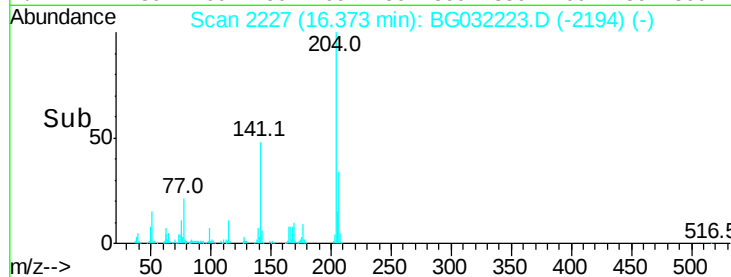
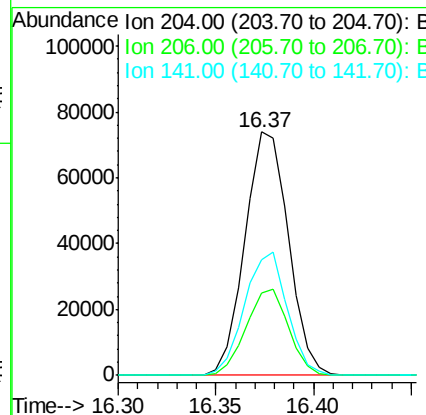
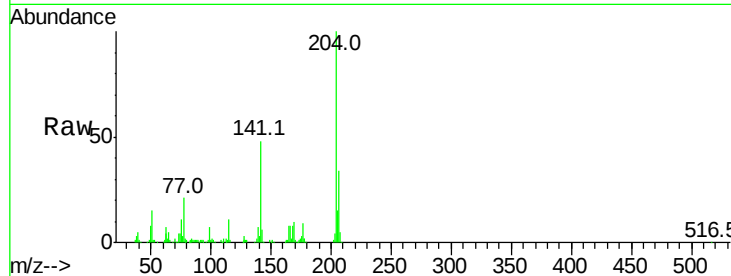




#59  
4-Chlorophenyl-phenylether  
Concen: 20.224 ng/ul  
RT: 16.37 min Scan# 2227  
Delta R.T. -0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

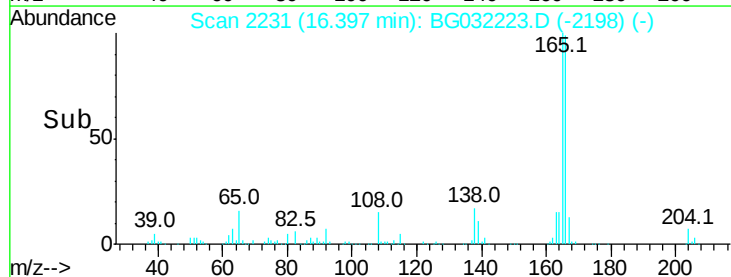
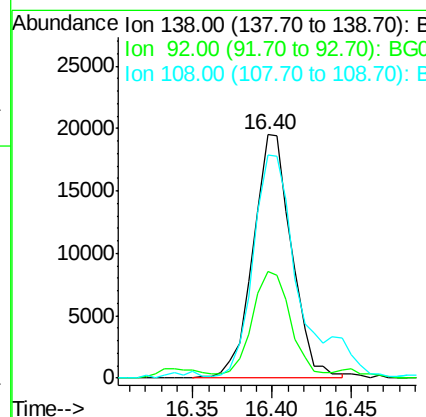
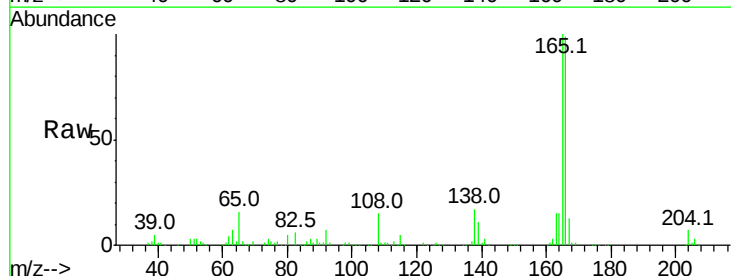
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02083

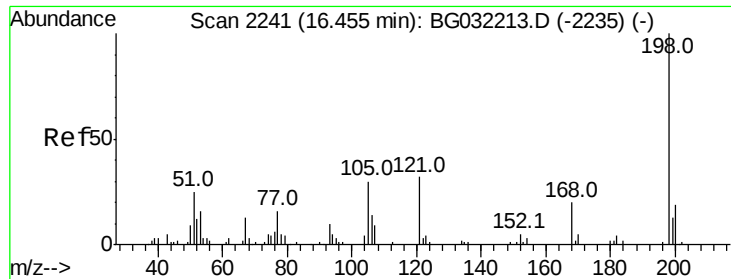
Tot Ion:204 Resp: 114217  
Ion Ratio Lower Upper  
204 100  
206 33.6 26.6 40.0  
141 47.6 40.7 61.1



#60  
4-Nitroaniline  
Concen: 20.811 ng/ul  
RT: 16.40 min Scan# 2231  
Delta R.T. -0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Tgt Ion:138 Resp: 32951  
Ion Ratio Lower Upper  
138 100  
92 43.9 38.2 57.4  
108 91.7 70.0 105.0

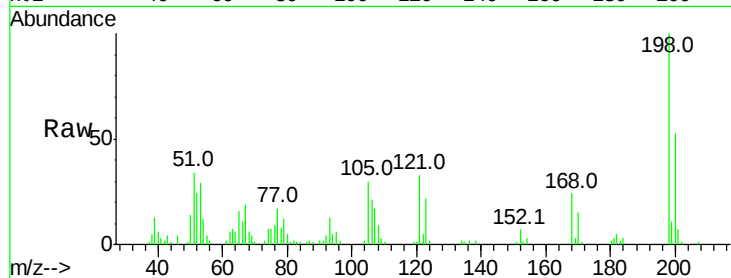




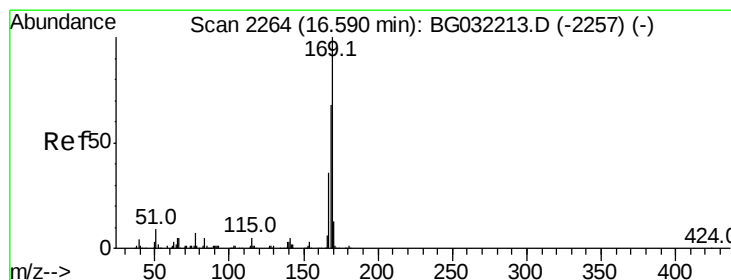
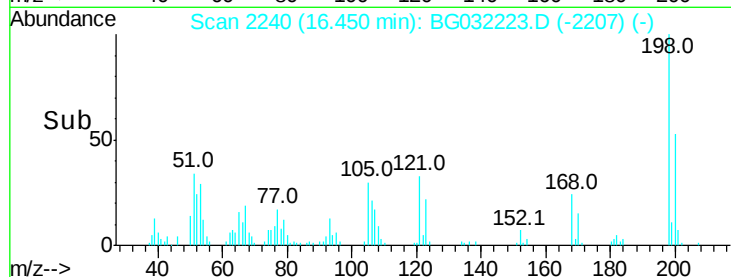
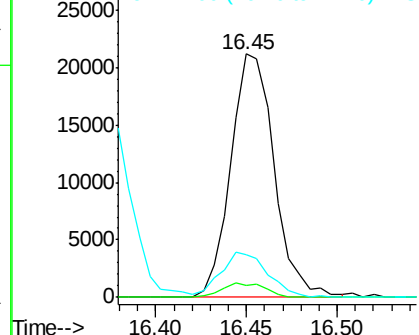
#63  
4,6-Dinitro-2-methylphenol  
Concen: 19.600 ng/ul  
RT: 16.45 min Scan# 2240  
Delta R.T. -0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02083

Tot Ion:198 Resp: 35326  
Ion Ratio Lower Upper  
198 100  
182 4.7 3.5 5.3  
77 17.4 18.2 27.4#

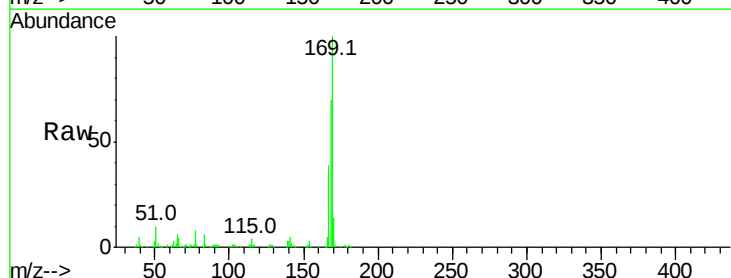


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 77.00 (76.70 to 77.70): E

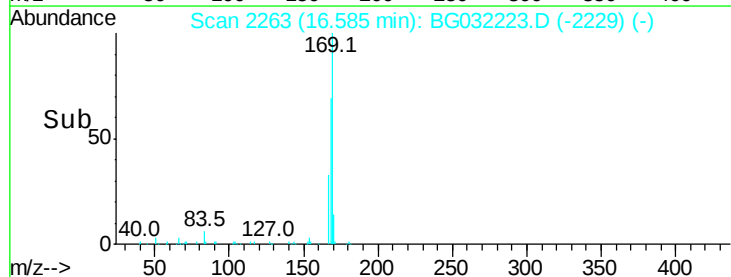
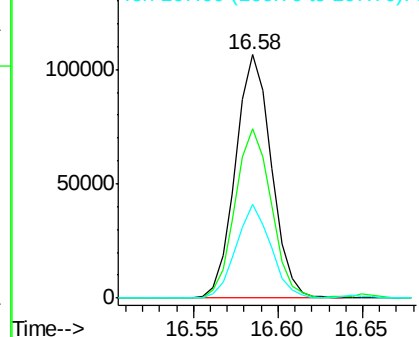


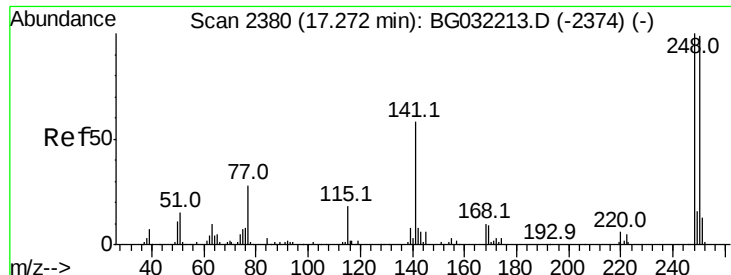
#64  
N-Nitrosodiphenylamine  
Concen: 19.831 ng/ul  
RT: 16.58 min Scan# 2263  
Delta R.T. 0.00 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

Tgt Ion:169 Resp: 158037  
Ion Ratio Lower Upper  
169 100  
168 69.8 53.8 80.8  
167 38.5 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

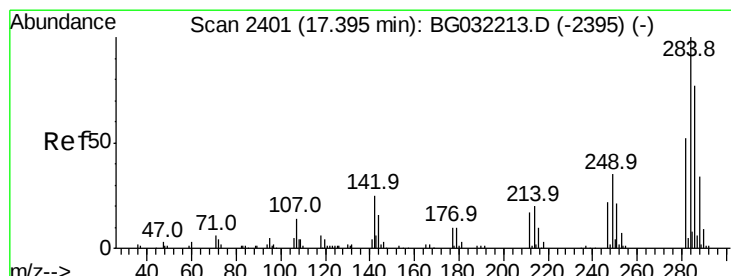
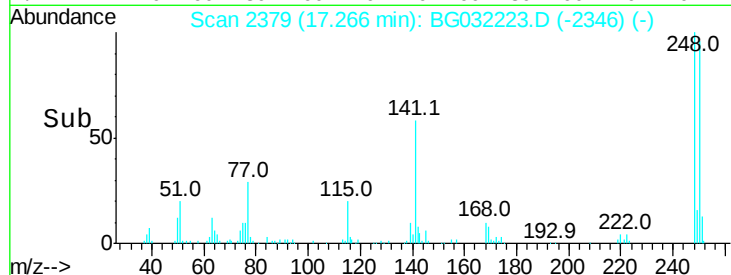
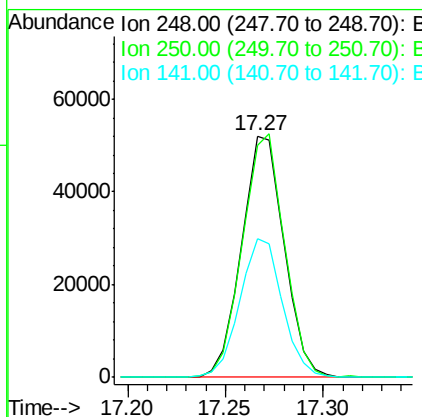
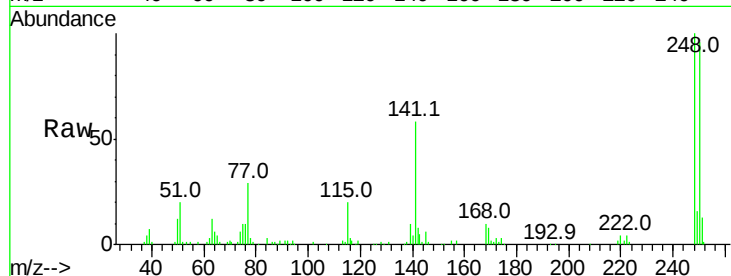




#65  
 4-Bromophenyl-phenylether  
 Concen: 19.500 ng/ul  
 RT: 17.27 min Scan# 2379  
 Delta R.T. -0.01 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

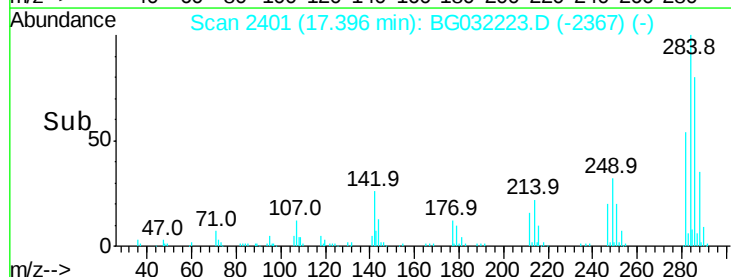
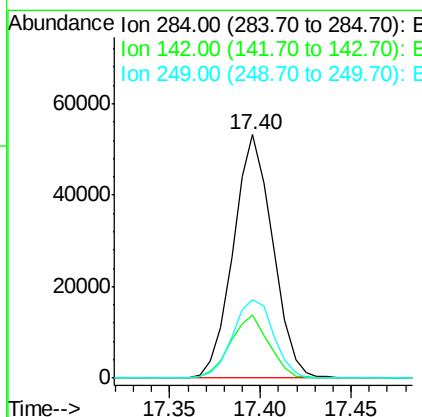
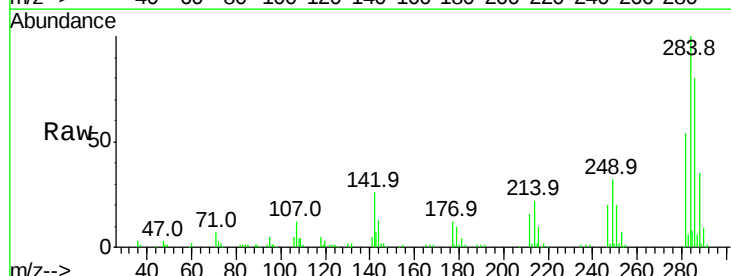
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD02083

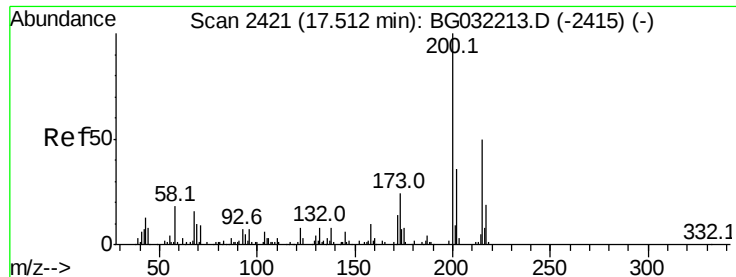
|             |       |       |       |
|-------------|-------|-------|-------|
| Tot Ion:248 | Resp: | 78700 |       |
| Ion Ratio   | Lower | Upper |       |
| 248         | 100   |       |       |
| 250         | 96.3  | 79.0  | 118.4 |
| 141         | 57.7  | 51.9  | 77.9  |



#66  
 Hexachlorobenzene  
 Concen: 19.207 ng/ul  
 RT: 17.40 min Scan# 2401  
 Delta R.T. 0.00 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

|             |             |
|-------------|-------------|
| Tgt Ion:284 | Resp: 80505 |
| Ion Ratio   | Lower Upper |
| 284 100     |             |
| 142 26.2    | 21.3 31.9   |
| 249 32.5    | 26.3 39.5   |

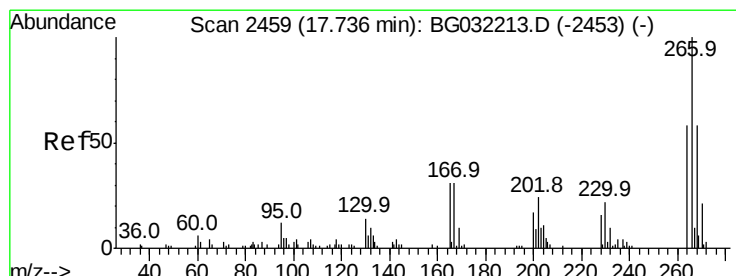
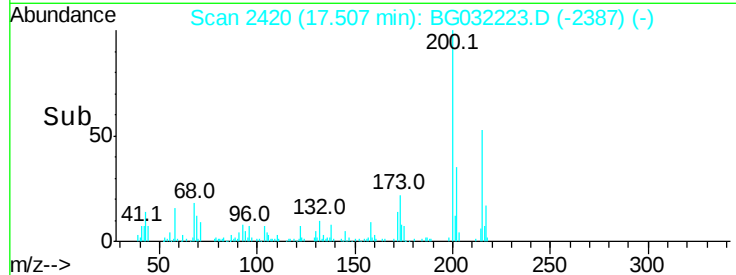
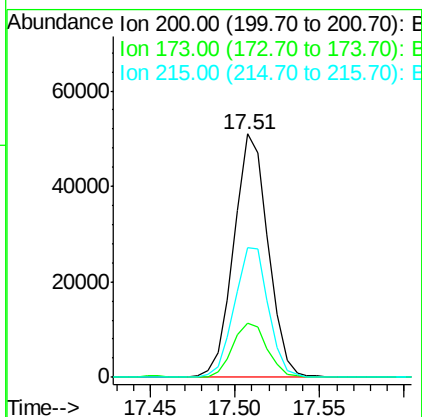
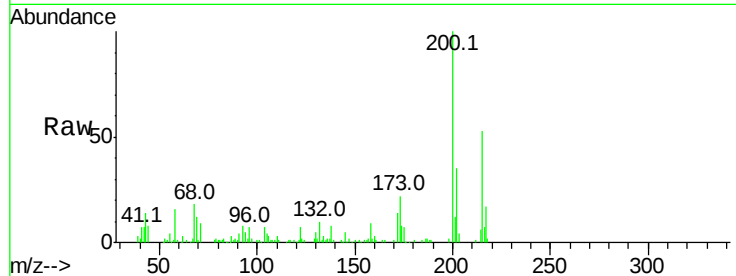




#67  
 Atrazine  
 Concen: 20.093 ng/ul  
 RT: 17.51 min Scan# 2420  
 Delta R.T. -0.01 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

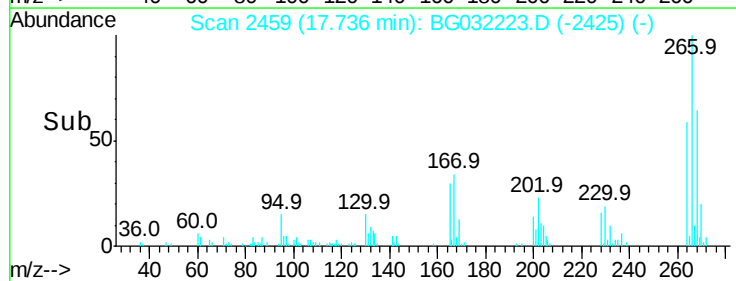
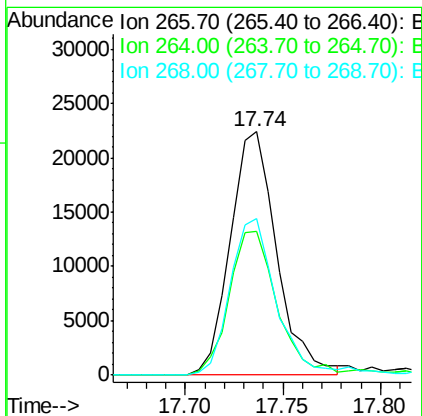
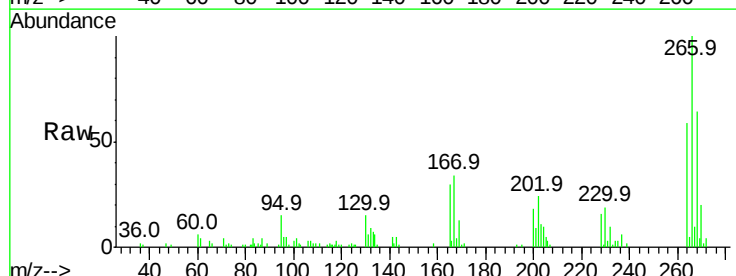
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SST02083

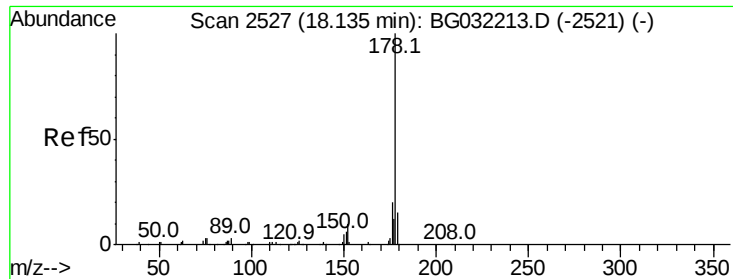
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.3  | 20.6  | 31.0  |
| 215     | 53.1  | 39.8  | 59.6  |



#68  
 Pentachlorophenol  
 Concen: 17.677 ng/ul  
 RT: 17.74 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: BG032223.D  
 Acq: 22 Jan 2018 22:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 59.0  | 48.2  | 72.4  |
| 268     | 64.3  | 52.3  | 78.5  |





#69

Phenanthrene

Concen: 20.070 ng/ul

RT: 18.14 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

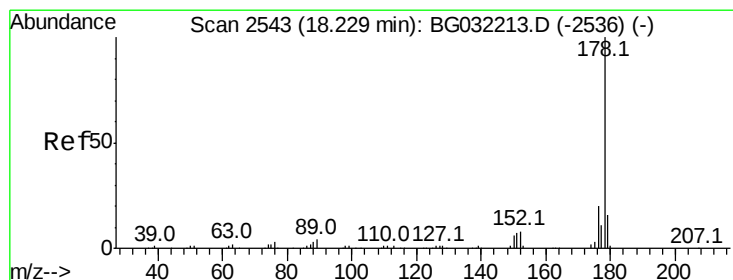
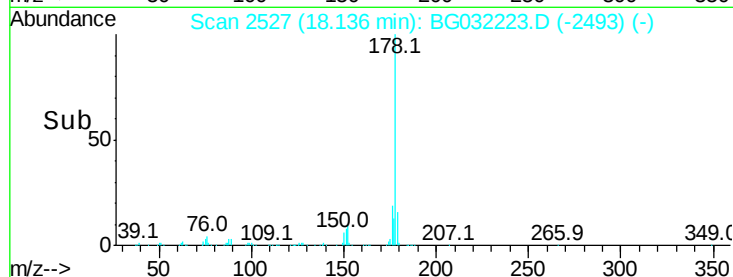
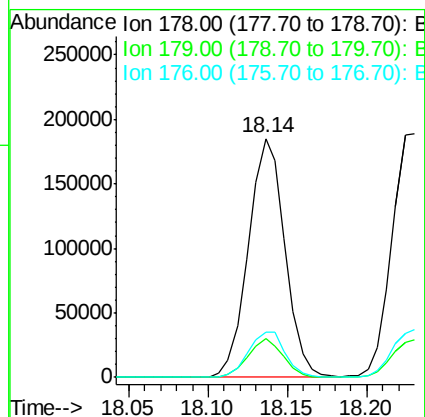
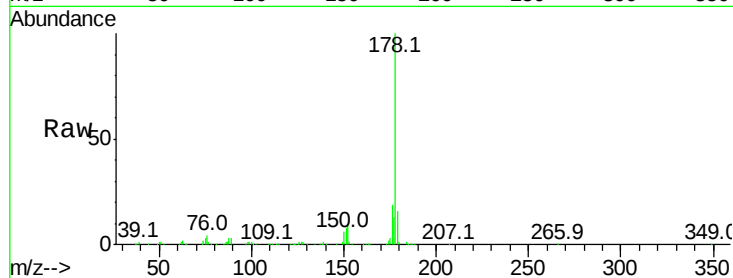
Tot Ion:178 Resp: 296013

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.1  | 12.3  | 18.5  |
| 176 | 18.8  | 15.4  | 23.0  |

178 100

179 16.1 12.3 18.5

176 18.8 15.4 23.0



#71

Anthracene

Concen: 20.150 ng/ul

RT: 18.23 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

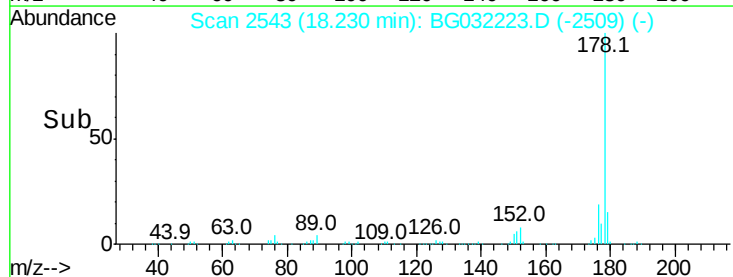
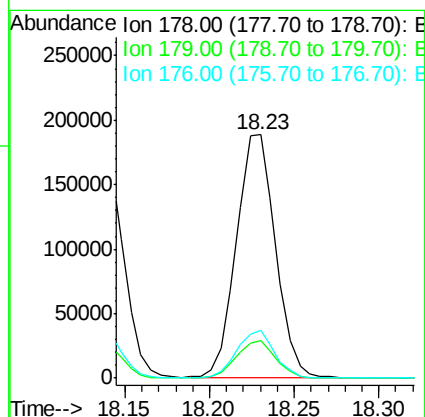
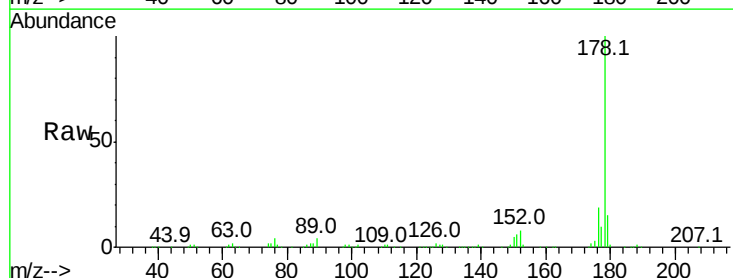
Tgt Ion:178 Resp: 304968

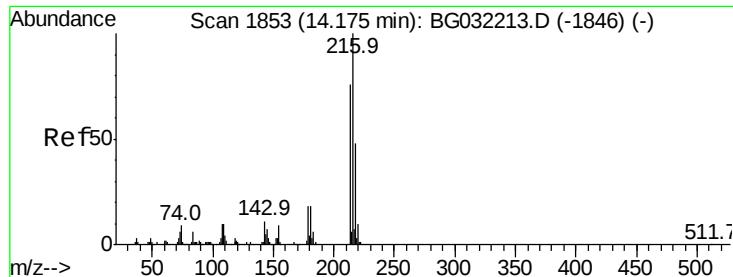
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.3  | 13.4  | 20.2  |
| 176 | 19.4  | 15.4  | 23.0  |

178 100

179 15.3 13.4 20.2

176 19.4 15.4 23.0





#72

1,2,3,4-Tetrachlorobenzene

Concen: 19.396 ng/uL

RT: 14.18 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

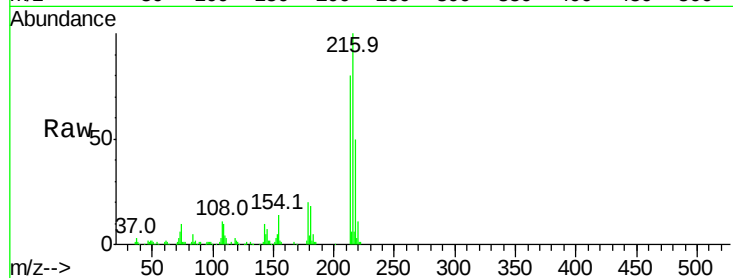
Tot Ion:216 Resp: 103534

Ion Ratio Lower Upper

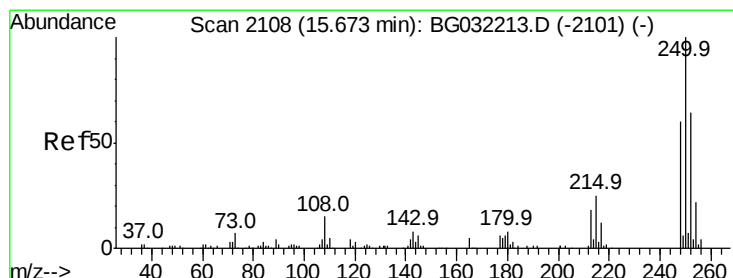
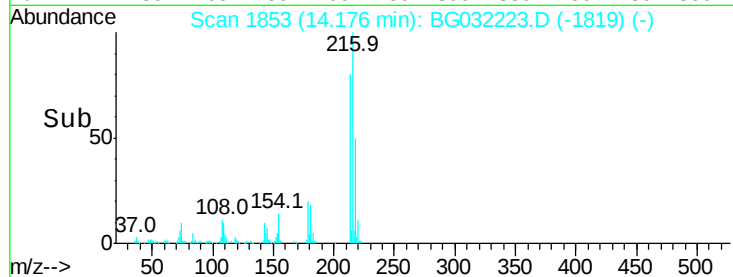
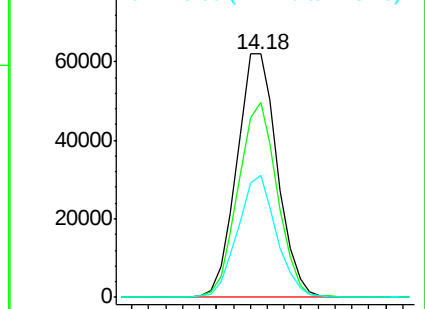
216 100

214 79.9 64.1 96.1

218 49.9 39.4 59.0



Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 218.00 (217.70 to 218.70): E



#73

Pentachlorobenzene

Concen: 19.212 ng/uL

RT: 15.67 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

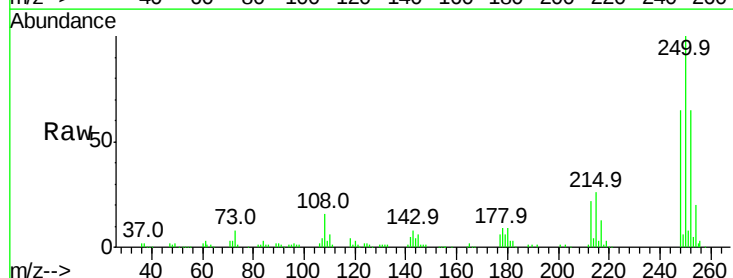
Tgt Ion:250 Resp: 107805

Ion Ratio Lower Upper

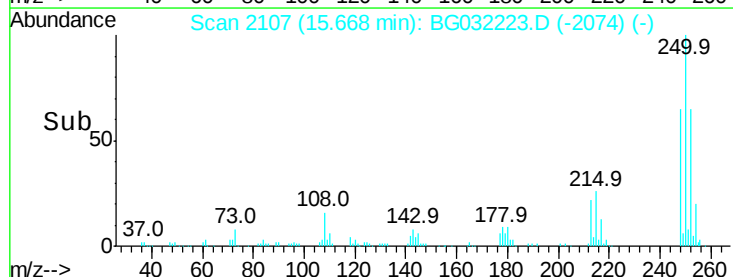
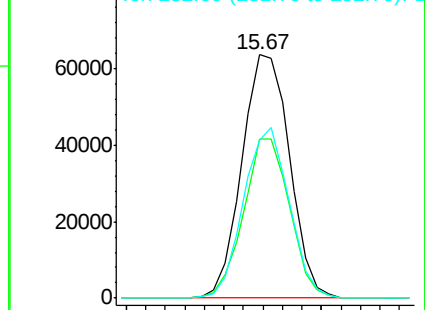
250 100

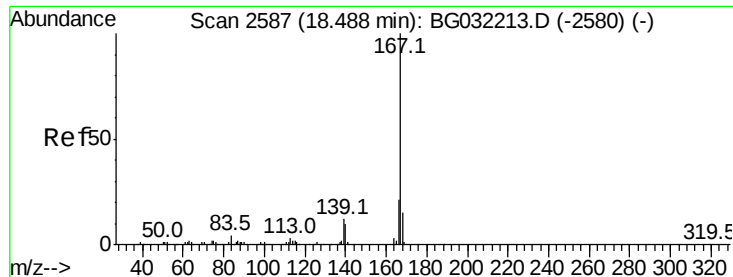
248 65.5 51.4 77.2

252 64.9 49.8 74.6



Abundance Ion 250.00 (249.70 to 250.70): E  
Ion 248.00 (247.70 to 248.70): E  
Ion 252.00 (251.70 to 252.70): E





#74

Carbazole

Concen: 20.780 ng/ul

RT: 18.48 min Scan# 2586

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

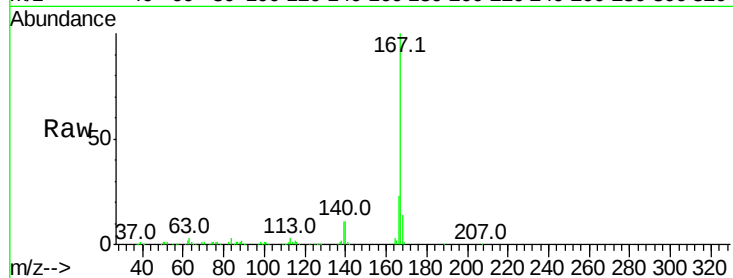
Tot Ion:167 Resp: 243724

Ion Ratio Lower Upper

167 100

166 22.9 17.0 25.4

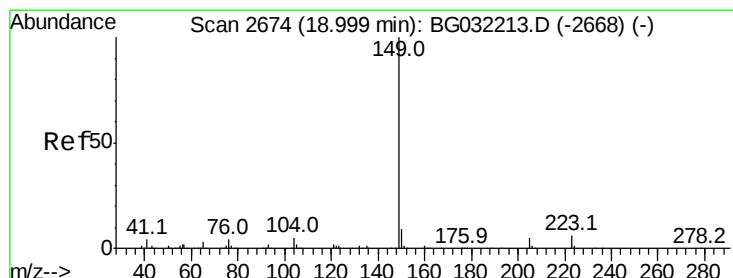
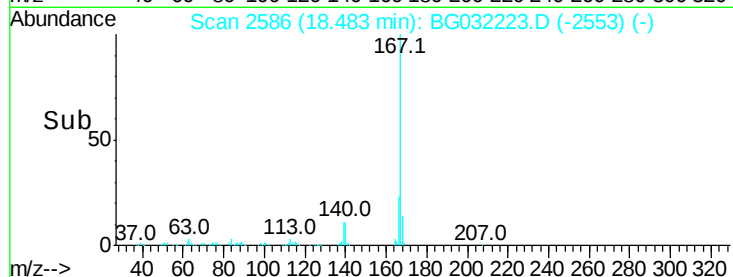
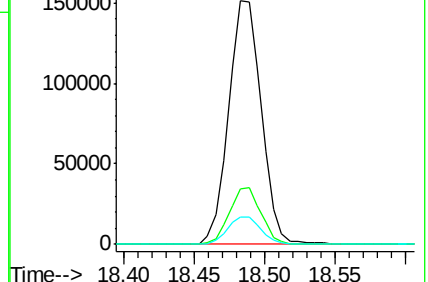
139 11.4 9.1 13.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Di-n-butylphthalate

Concen: 20.305 ng/ul

RT: 18.99 min Scan# 2673

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

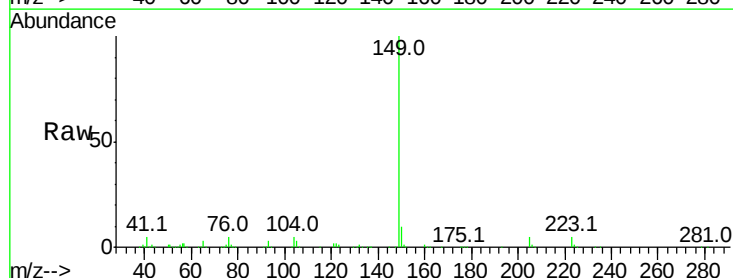
Tgt Ion:149 Resp: 280826

Ion Ratio Lower Upper

149 100

150 9.6 7.5 11.3

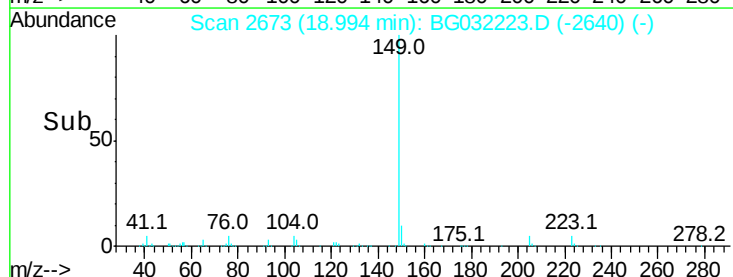
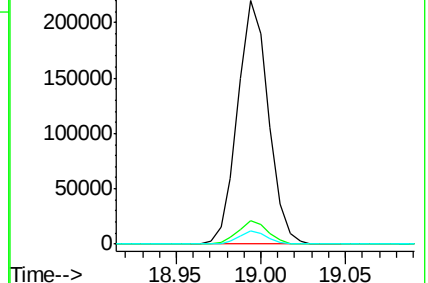
104 5.3 4.1 6.1

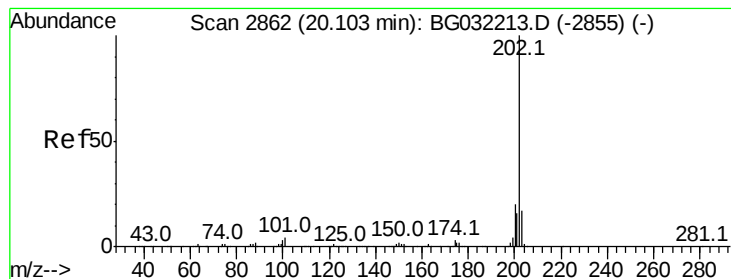


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 21.847 ng/ul

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

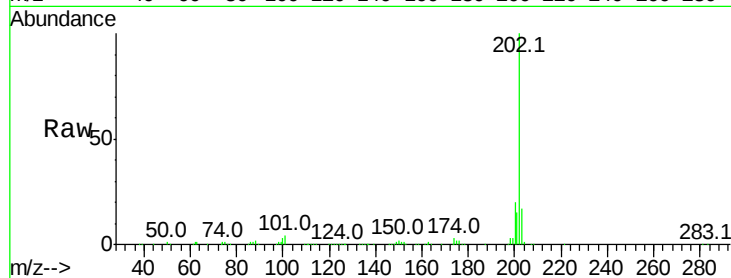
Tot Ion:202 Resp: 397455

Ion Ratio Lower Upper

202 100

101 4.3 6.1 9.1#

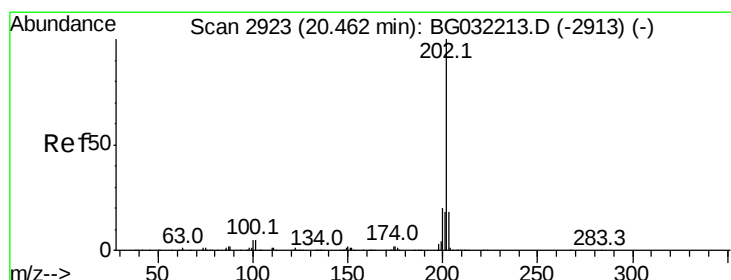
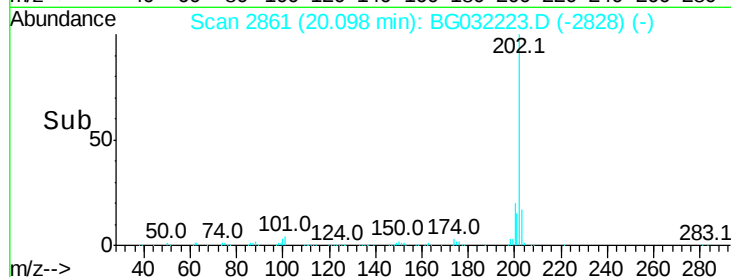
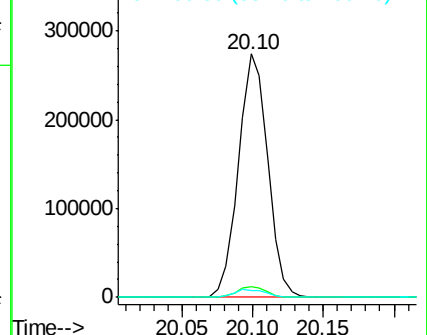
100 2.9 4.6 7.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 19.838 ng/ul

RT: 20.46 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

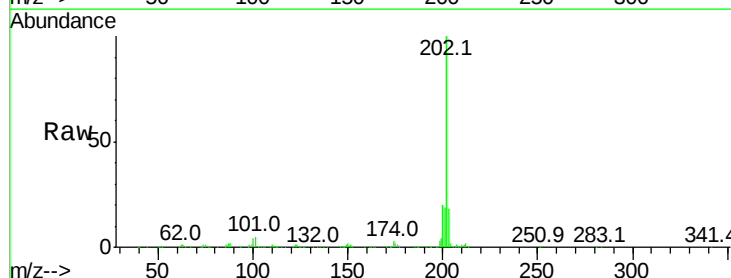
Tgt Ion:202 Resp: 401473

Ion Ratio Lower Upper

202 100

101 4.7 6.9 10.3#

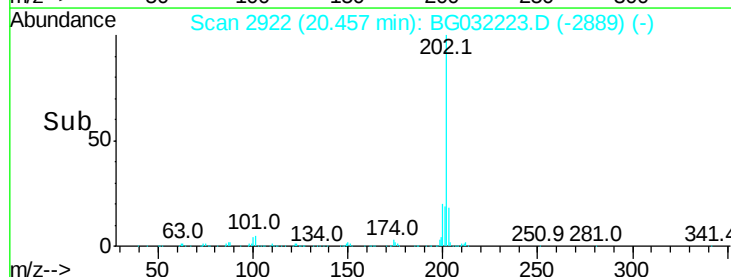
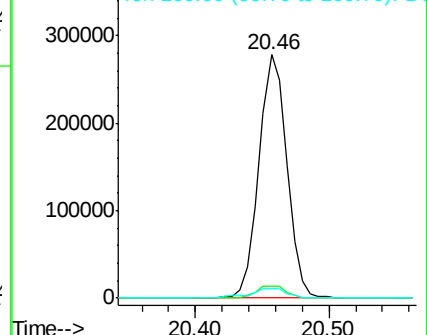
100 4.1 5.6 8.4#

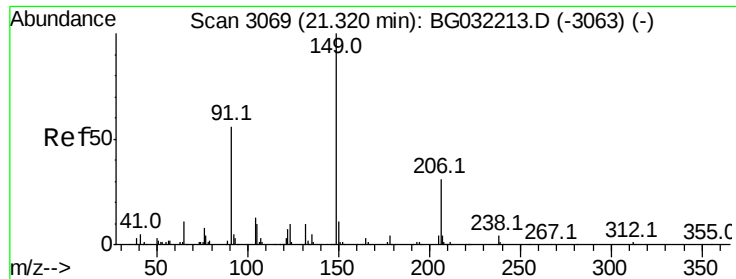


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

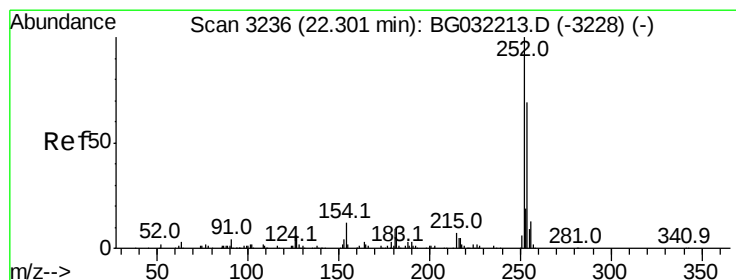
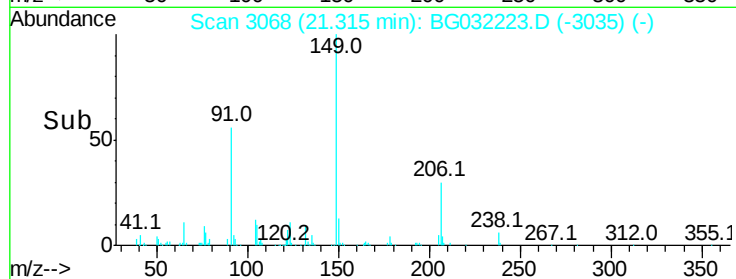
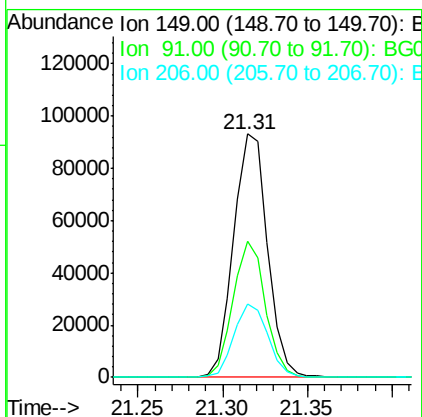
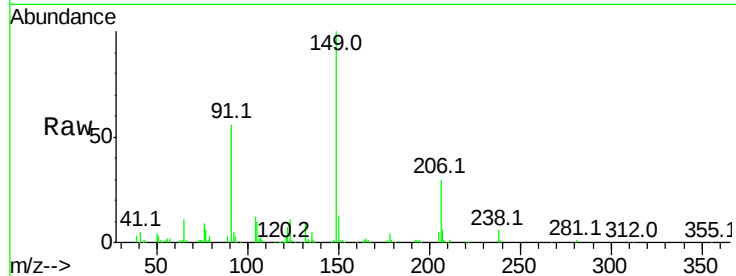




#80  
Butylbenzylphthalate  
Concen: 19.723 ng/ul  
RT: 21.31 min Scan# 3068  
Delta R.T. -0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

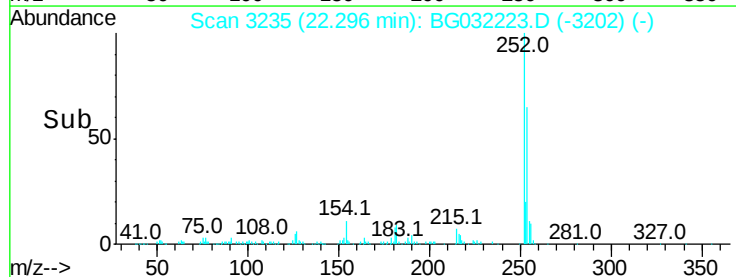
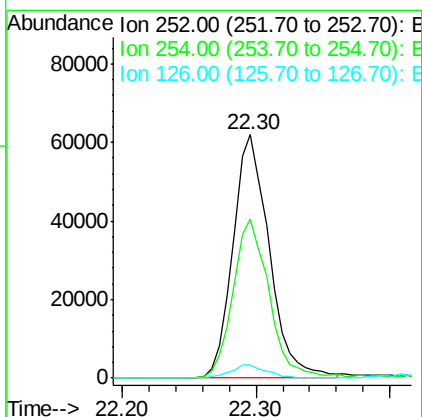
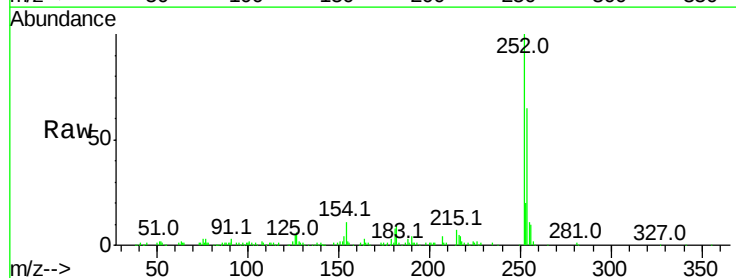
Instrument :  
BNA\_G  
ClientSampleId :  
SSTD02083

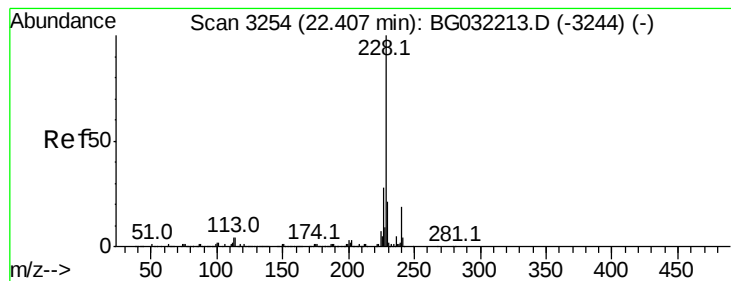
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 55.9  | 53.4  | 80.0  |
| 206     | 29.9  | 19.3  | 28.9# |



#81  
3,3'-Dichlorobenzidine  
Concen: 20.425 ng/ul  
RT: 22.30 min Scan# 3235  
Delta R.T. -0.01 min  
Lab File: BG032223.D  
Acq: 22 Jan 2018 22:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.2  | 52.8  | 79.2  |
| 126     | 5.3   | 6.9   | 10.3# |





#82

Benzo(a)anthracene

Concen: 20.182 ng/ul

RT: 22.40 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

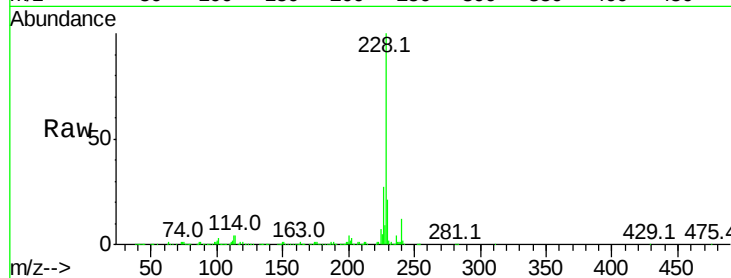
Tot Ion:228 Resp: 437353

Ion Ratio Lower Upper

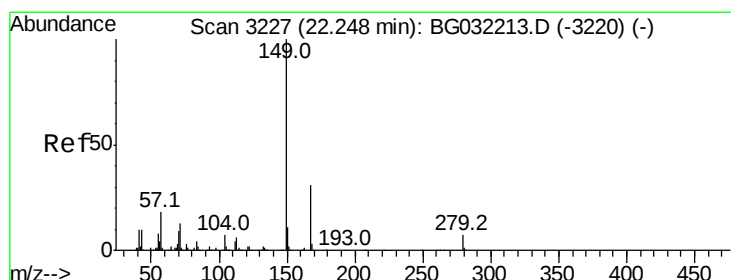
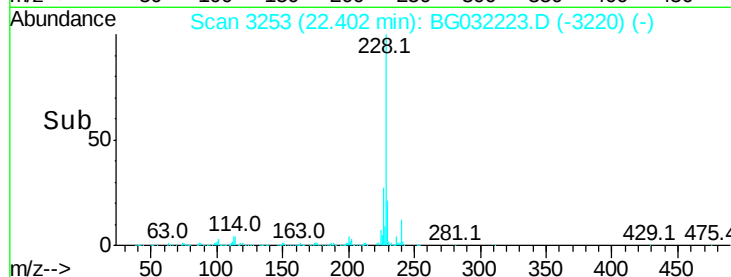
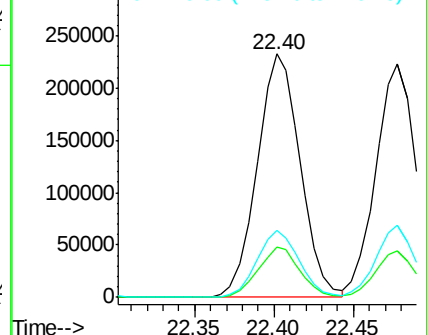
228 100

229 20.7 16.0 24.0

226 27.4 21.8 32.8



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 19.869 ng/ul

RT: 22.24 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

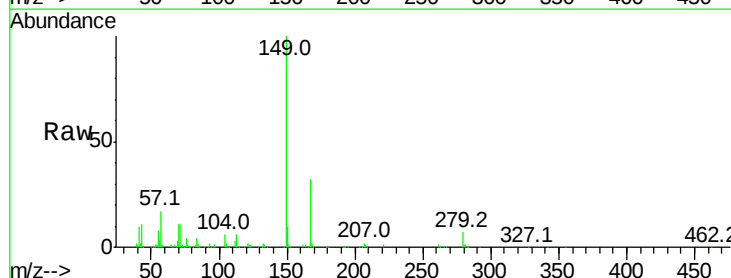
Tgt Ion:149 Resp: 185891

Ion Ratio Lower Upper

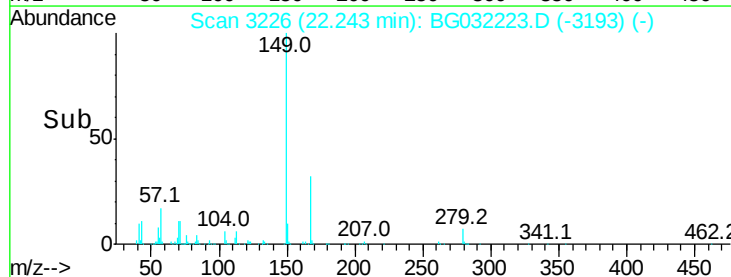
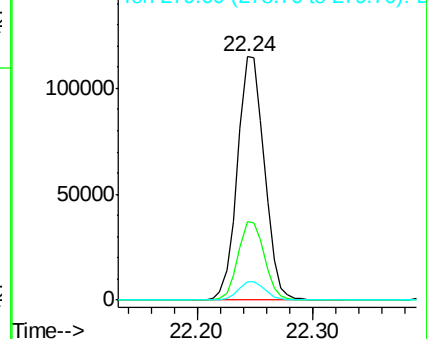
149 100

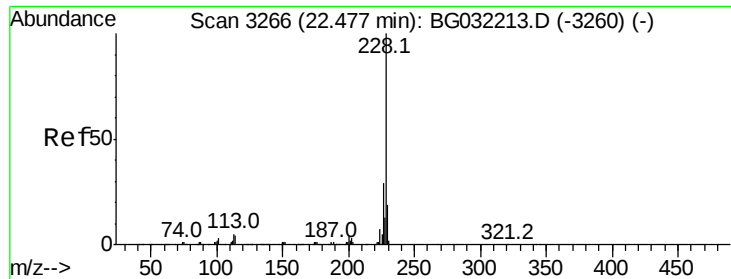
167 32.0 23.0 34.6

279 7.4 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 20.168 ng/ul

RT: 22.48 min Scan# 3266

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

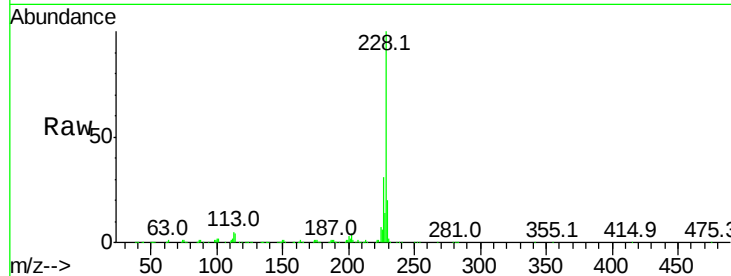
Tot Ion:228 Resp: 396693

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

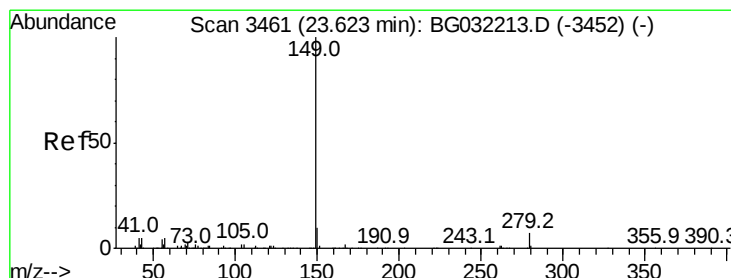
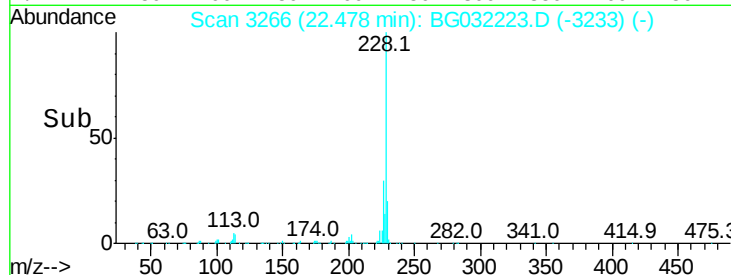
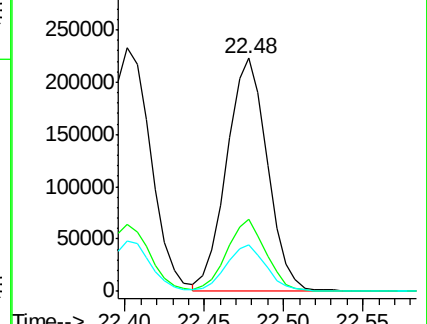
229 19.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Di-n-octyl phthalate

Concen: 19.892 ng/ul

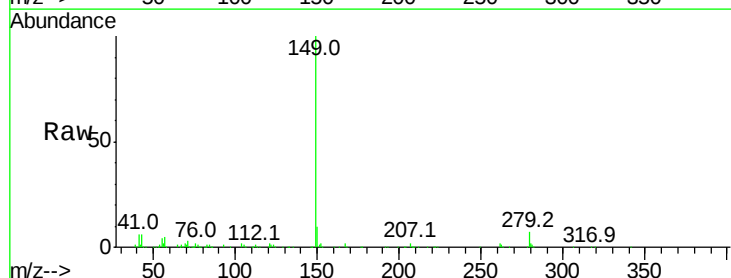
RT: 23.62 min Scan# 3460

Delta R.T. -0.01 min

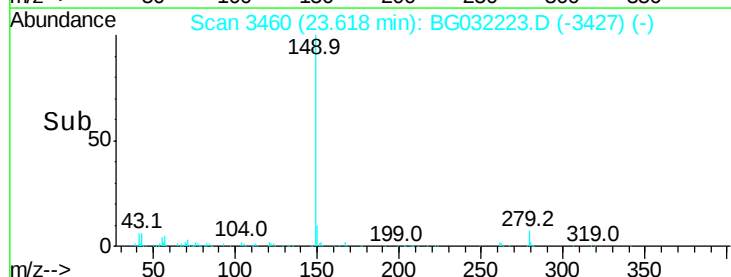
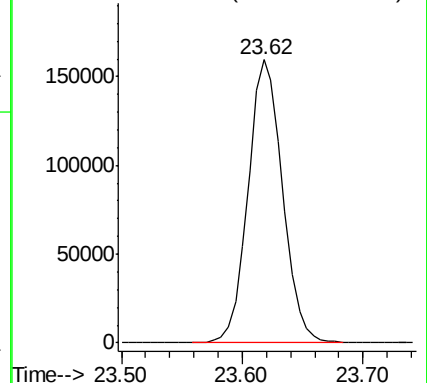
Lab File: BG032223.D

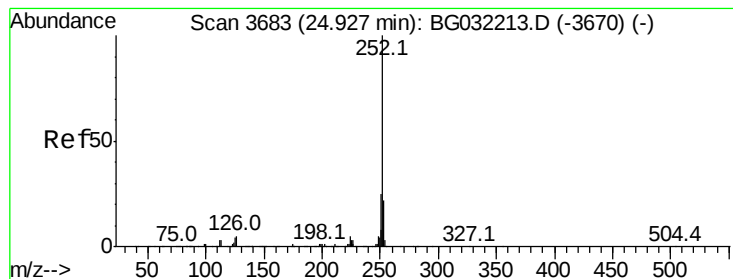
Acq: 22 Jan 2018 22:38

Tgt Ion:149 Resp: 317032



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 19.923 ng/ul

RT: 24.93 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

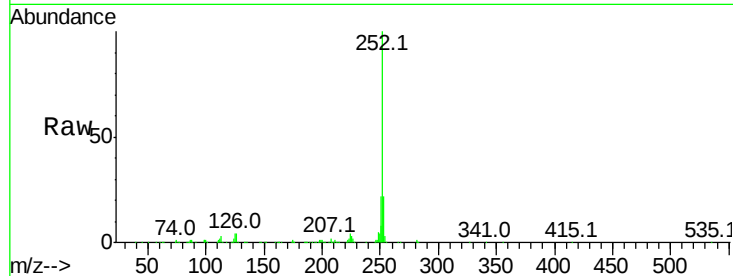
Tot Ion:252 Resp: 449795

Ion Ratio Lower Upper

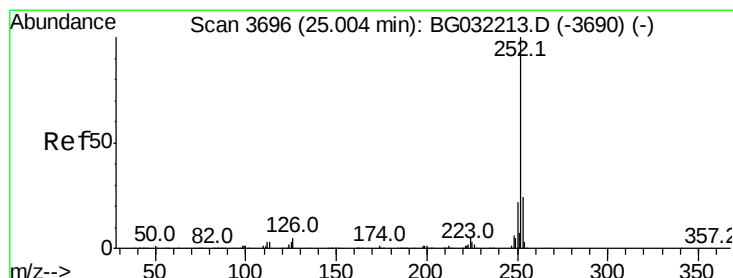
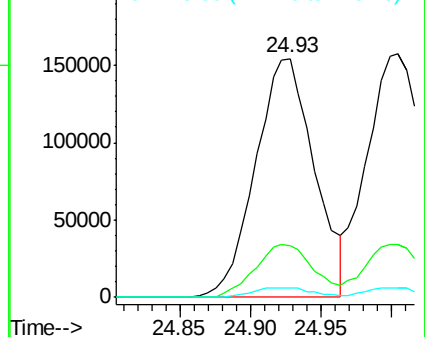
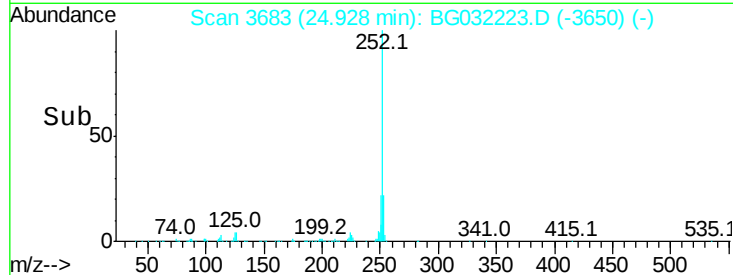
252 100

253 21.7 17.4 26.0

125 4.2 4.9 7.3#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 19.858 ng/ul

RT: 25.00 min Scan# 3696

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

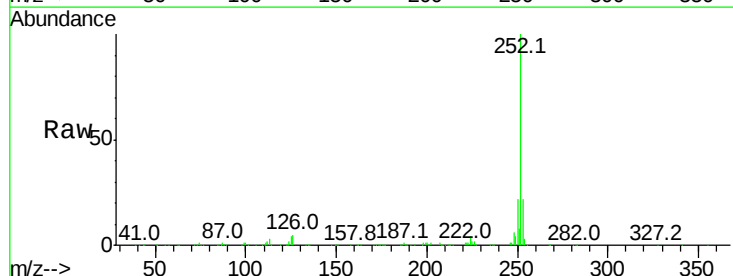
Tgt Ion:252 Resp: 440413

Ion Ratio Lower Upper

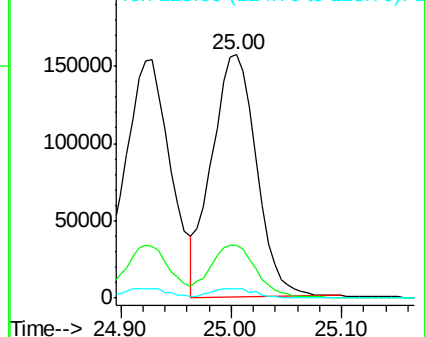
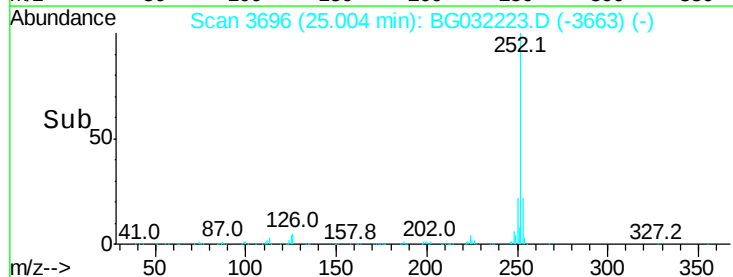
252 100

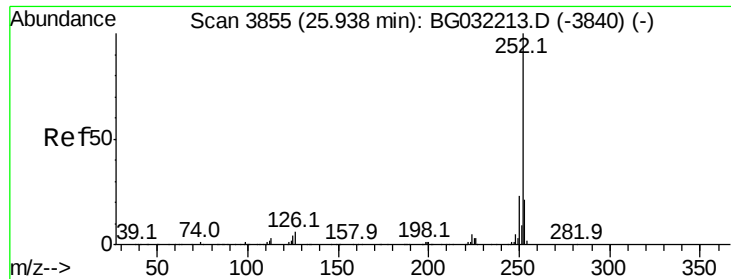
253 22.0 17.1 25.7

125 4.0 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 19.564 ng/ul

RT: 25.93 min Scan# 3854

Delta R.T. 0.00 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

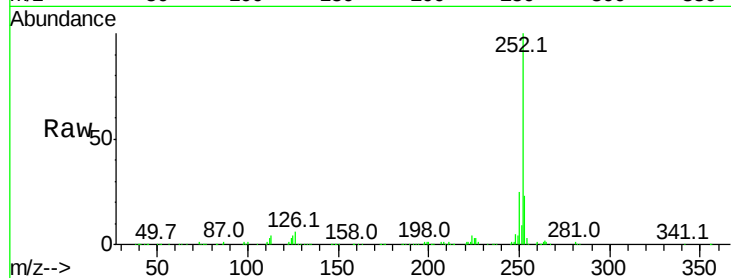
Tot Ion:252 Resp: 426314

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

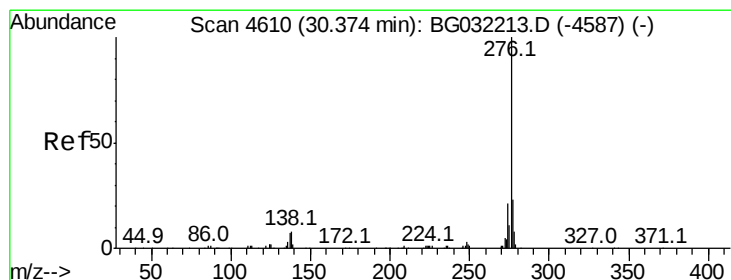
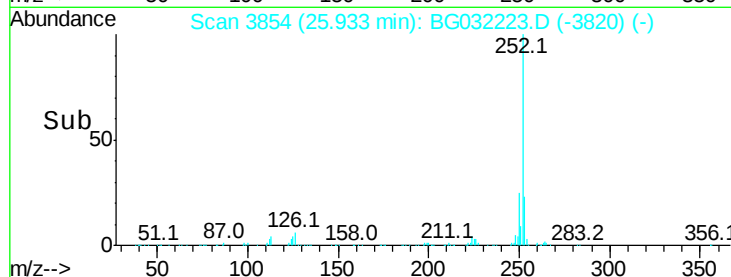
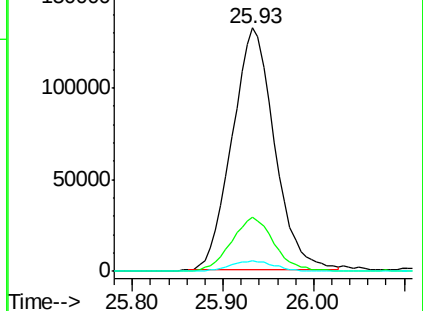
125 4.5 5.8 8.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 7.228 ng/ul

RT: 30.36 min Scan# 4608

Delta R.T. -0.02 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

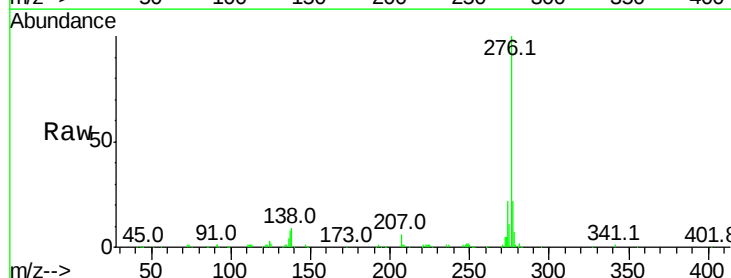
Tgt Ion:276 Resp: 178233

Ion Ratio Lower Upper

276 100

138 9.5 10.9 16.3#

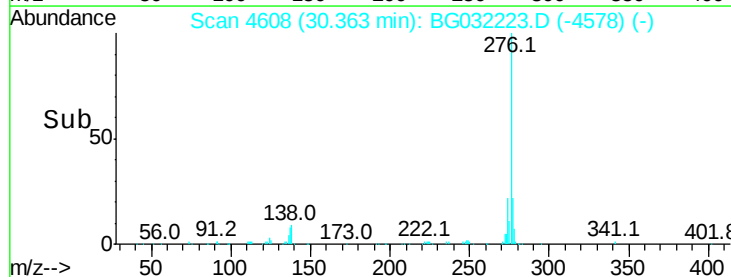
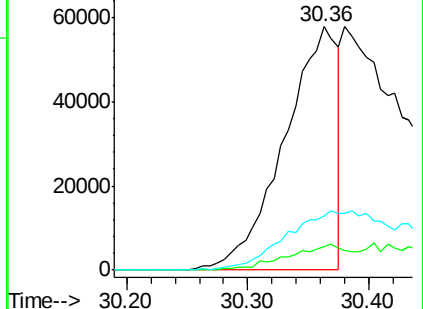
277 22.1 18.9 28.3

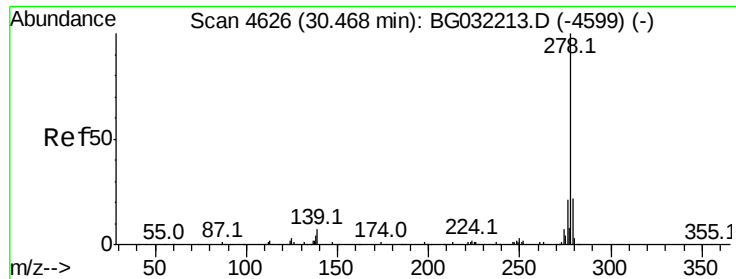


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 17.572 ng/ul

RT: 30.45 min Scan# 4623

Delta R.T. -0.01 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

Instrument :

BNA\_G

ClientSampleId :

SSTD02083

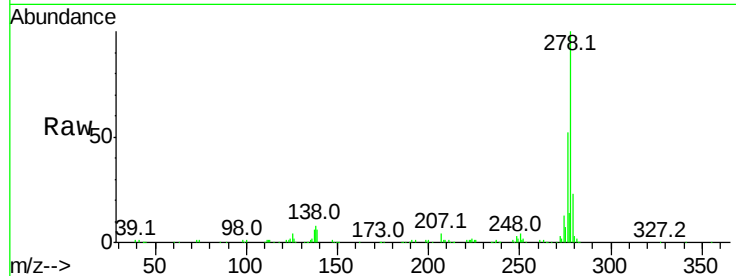
Tot Ion:278 Resp: 354499

Ion Ratio Lower Upper

278 100

139 6.5 9.0 13.4#

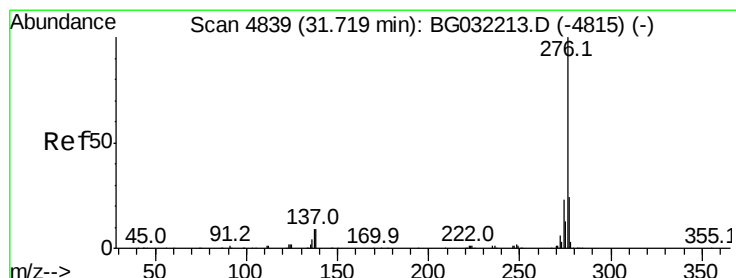
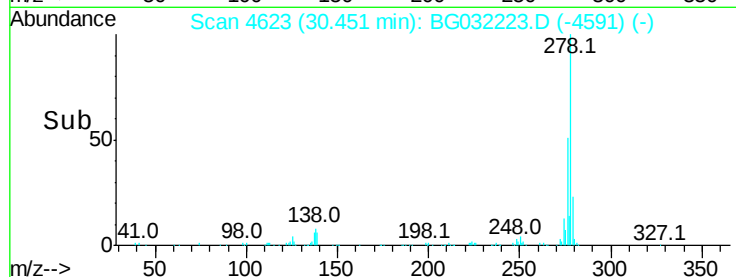
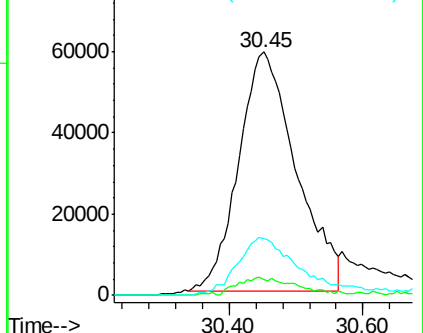
279 23.2 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 9.367 ng/ul

RT: 31.70 min Scan# 4836

Delta R.T. -0.02 min

Lab File: BG032223.D

Acq: 22 Jan 2018 22:38

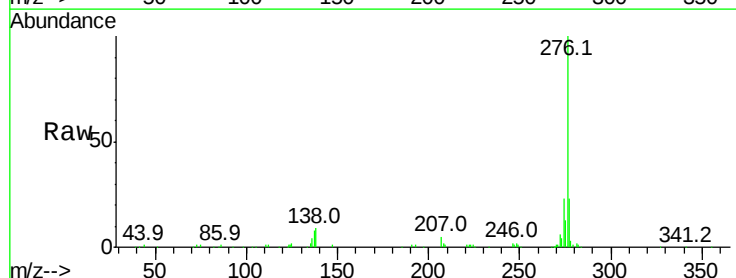
Tgt Ion:276 Resp: 183868

Ion Ratio Lower Upper

276 100

138 8.6 11.2 16.8#

277 23.4 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

