

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032017\  
 Data File : BG026335.D  
 Acq On : 20 Mar 2017 20:25  
 Operator : SJ/MA  
 Sample : SSTDCCC040EC  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Mar 21 01:12:41 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 123004   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.85 | 136  | 525347   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.65 | 164  | 297290   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.39 | 188  | 700418   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.63 | 240  | 788415   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.82 | 264  | 786587   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.62  | 112 | 558624  | 80.61 | ng | 0.00 |
| 7) Phenol-d6             | 7.21  | 99  | 759424  | 81.62 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.21  | 82  | 704838  | 80.67 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.13 | 330 | 282864  | 83.09 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.28 | 172 | 1730311 | 81.62 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.98 | 244 | 2635023 | 81.17 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 122894  | 39.51 | ng | # 73   |
| 3) Pyridine                    | 3.91  | 79  | 346275  | 40.65 | ng | # 64   |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 91633   | 39.35 | ng | # 1    |
| 6) Aniline                     | 7.37  | 93  | 491647  | 39.56 | ng | # 89   |
| 8) 2-Chlorophenol              | 7.61  | 128 | 314780  | 40.34 | ng | # 82   |
| 9) Benzaldehyde                | 7.18  | 77  | 249725  | 39.76 | ng | # 71   |
| 10) Phenol                     | 7.23  | 94  | 398166  | 40.10 | ng | # 71   |
| 11) bis(2-Chloroethyl)ether    | 7.46  | 93  | 322614  | 39.62 | ng | # 83   |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146 | 372691  | 40.12 | ng | # 86   |
| 13) 1,4-Dichlorobenzene        | 7.94  | 146 | 372691  | 39.66 | ng | # 95   |
| 14) 1,2-Dichlorobenzene        | 8.40  | 146 | 365968  | 40.69 | ng | # 91   |
| 15) Benzyl Alcohol             | 8.28  | 79  | 242878  | 39.82 | ng | # 78   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57  | 45  | 343190  | 37.96 | ng | # 81   |
| 17) 2-Methylphenol             | 8.48  | 107 | 281193  | 39.88 | ng | # 81   |
| 18) Hexachloroethane           | 9.13  | 117 | 122817  | 39.97 | ng | # 92   |
| 19) n-Nitroso-di-n-propylamine | 8.85  | 70  | 232752  | 38.91 | ng | # 70   |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 394531  | 40.64 | ng | # 86   |
| 22) Acetophenone               | 8.87  | 105 | 495951  | 41.05 | ng | # 75   |
| 24) Nitrobenzene               | 9.25  | 77  | 345503  | 40.05 | ng | # 71   |
| 25) Isophorone                 | 9.77  | 82  | 658174  | 39.97 | ng | # 91   |
| 26) 2-Nitrophenol              | 9.96  | 139 | 185679  | 41.36 | ng | # 65   |
| 27) 2,4-Dimethylphenol         | 10.01 | 122 | 298317  | 40.49 | ng | # 87   |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93  | 425316  | 39.76 | ng | # 98   |
| 29) 2,4-Dichlorophenol         | 10.49 | 162 | 312669  | 41.96 | ng | # 93   |
| 30) 1,2,4-Trichlorobenzene     | 10.71 | 180 | 343885  | 41.08 | ng | # 99   |
| 31) Naphthalene                | 10.90 | 128 | 1073797 | 40.43 | ng | # 100  |
| 32) Benzoic acid               | 10.15 | 122 | 218411  | 38.52 | ng | # 72   |
| 33) 4-Chloroaniline            | 11.00 | 127 | 436060  | 40.36 | ng | # 82   |
| 34) Hexachlorobutadiene        | 11.19 | 225 | 200158  | 40.53 | ng | # 98   |
| 35) Caprolactam                | 11.76 | 113 | 117604  | 40.06 | ng | # 59   |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 319073  | 40.03 | ng | # 80   |
| 37) 2-Methylnaphthalene        | 12.49 | 142 | 793625  | 40.79 | ng | # 92   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 370926  | 41.47 | ng | # 98   |
| 40) Hexachlorocyclopentadiene  | 12.84 | 237 | 197131  | 41.87 | ng | # 95   |

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 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

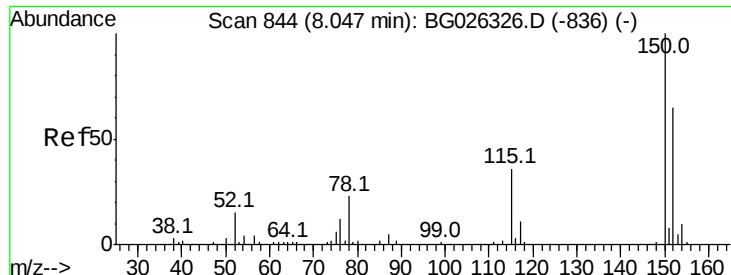
Instrument :  
 BNA\_G  
 ClientSampleId :  
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Quant Time: Mar 21 01:12:41 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.10 | 196  | 240364   | 41.04 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.17 | 196  | 269608   | 41.65 | nq #  | 91       |
| 45) 1,1'-Biphenyl              | 13.49 | 154  | 1005823  | 40.85 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.54 | 162  | 732249   | 40.72 | nq    | 96       |
| 47) 2-Nitroaniline             | 13.73 | 65   | 210977   | 41.26 | nq #  | 66       |
| 48) Acenaphthylene             | 14.38 | 152  | 1280806  | 40.86 | nq    | 99       |
| 49) Dimethylphthalate          | 14.11 | 163  | 916241   | 40.83 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.22 | 165  | 221272   | 42.25 | nq #  | 59       |
| 51) Acenaphthene               | 14.72 | 154  | 783818   | 40.61 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.55 | 138  | 243113   | 42.16 | nq #  | 69       |
| 53) 2,4-Dinitrophenol          | 14.76 | 184  | 125099   | 41.18 | nq #  | 78       |
| 54) Dibenzofuran               | 15.05 | 168  | 1107235  | 40.74 | nq #  | 88       |
| 55) 4-Nitrophenol              | 14.86 | 139  | 199343   | 42.22 | nq #  | 42       |
| 56) 2,4-Dinitrotoluene         | 15.01 | 165  | 307650   | 41.77 | nq #  | 69       |
| 57) Fluorene                   | 15.69 | 166  | 982838   | 40.64 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 230591   | 40.84 | nq #  | 98       |
| 59) Diethylphthalate           | 15.46 | 149  | 925457   | 40.35 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204  | 459540   | 40.09 | nq    | 93       |
| 61) 4-Nitroaniline             | 15.71 | 138  | 256030   | 41.97 | nq #  | 50       |
| 62) Azobenzene                 | 15.98 | 77   | 745709   | 39.99 | nq    | 80       |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 186673   | 42.27 | nq    | 84       |
| 65) n-Nitrosodiphenylamine     | 15.89 | 169  | 841083   | 40.92 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.57 | 248  | 302852   | 42.01 | nq    | 94       |
| 67) Hexachlorobenzene          | 16.70 | 284  | 318413   | 41.40 | nq    | 92       |
| 68) Atrazine                   | 16.84 | 200  | 318909   | 40.98 | nq    | 98       |
| 69) Pentachlorophenol          | 17.04 | 266  | 204839   | 40.97 | nq    | 97       |
| 70) Phenanthrene               | 17.43 | 178  | 1516182  | 40.31 | nq    | 96       |
| 71) Anthracene                 | 17.52 | 178  | 1573459  | 41.00 | nq    | 99       |
| 72) Carbazole                  | 17.79 | 167  | 1608895  | 40.72 | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.34 | 149  | 1650124  | 40.65 | nq #  | 93       |
| 74) Fluoranthene               | 19.43 | 202  | 1804420  | 40.80 | nq    | 95       |
| 76) Benzidine                  | 19.60 | 184  | 1095734  | 40.31 | nq    | 99       |
| 77) Pyrene                     | 19.79 | 202  | 1867146  | 40.90 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.66 | 149  | 748306   | 40.97 | nq    | 87       |
| 80) Benzo(a)anthracene         | 21.62 | 228  | 1769621  | 39.89 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 732355   | 40.32 | nq #  | 99       |
| 82) Chrysene                   | 21.68 | 228  | 1703935  | 40.20 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.52 | 149  | 1106174  | 40.10 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 22.70 | 149  | 1908071  | 40.53 | nq #  | 82       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.45 | 276  | 2158967  | 41.25 | nq #  | 87       |
| 87) Benzo(b)fluoranthene       | 23.81 | 252  | 1900968  | 41.00 | nq #  | 96       |
| 88) Benzo(k)fluoranthene       | 23.88 | 252  | 1818326  | 40.44 | nq #  | 94       |
| 89) Benzo(a)pyrene             | 24.67 | 252  | 1790068  | 40.25 | nq #  | 93       |
| 90) Dibenzo(a,h)anthracene     | 28.50 | 278  | 1828452  | 40.68 | nq #  | 93       |
| 91) Benzo(g,h,i)perylene       | 29.59 | 276  | 1848138  | 40.81 | nq #  | 89       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

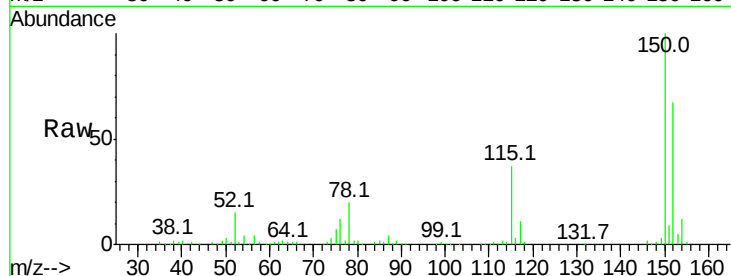
Tot Ion:152 Resp: 123004

Ion Ratio Lower Upper

152 100

150 148.3 114.0 171.0

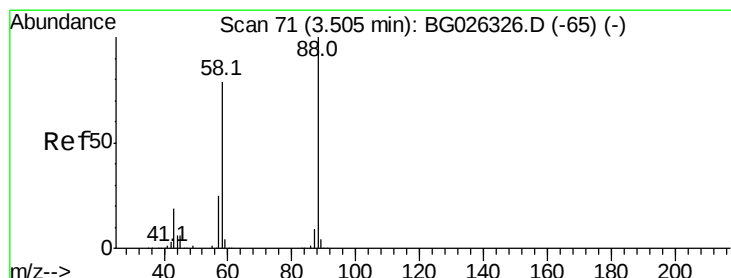
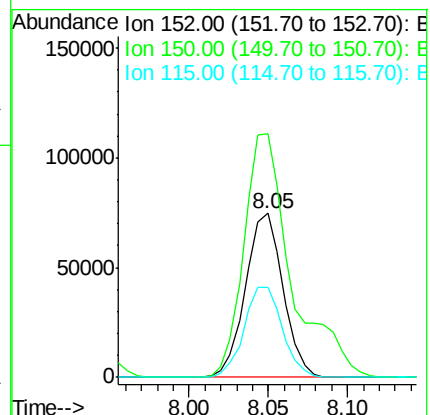
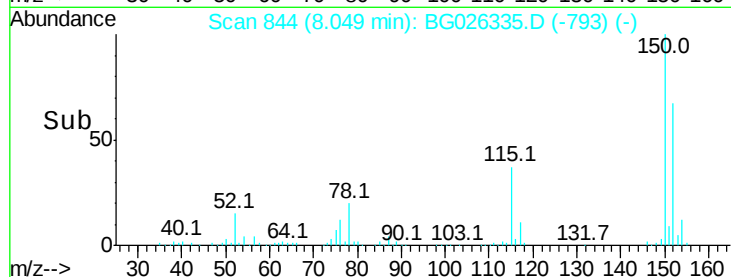
115 54.6 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 39.51 ng

RT: 3.51 min Scan# 71

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

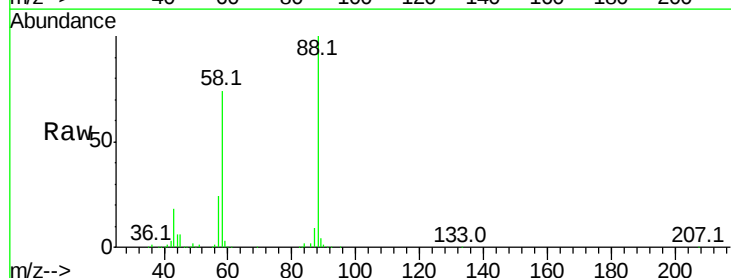
Tgt Ion: 88 Resp: 122894

Ion Ratio Lower Upper

88 100

58 76.5 79.4 119.2#

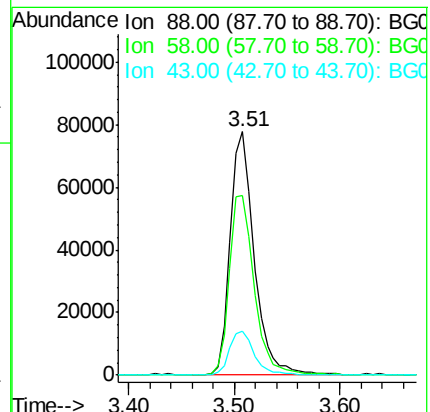
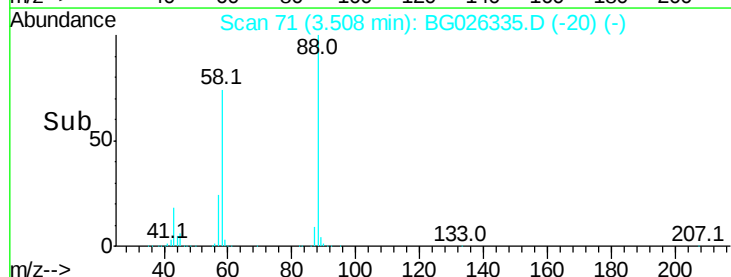
43 18.5 33.8 50.6#

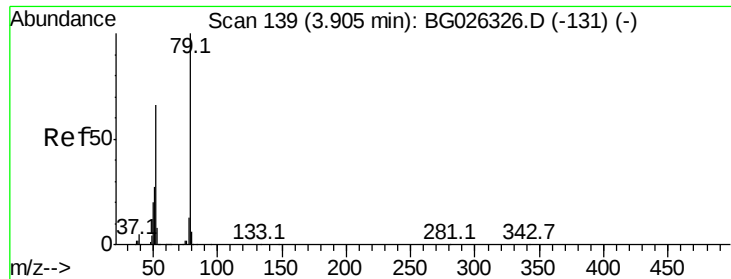


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 40.65 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

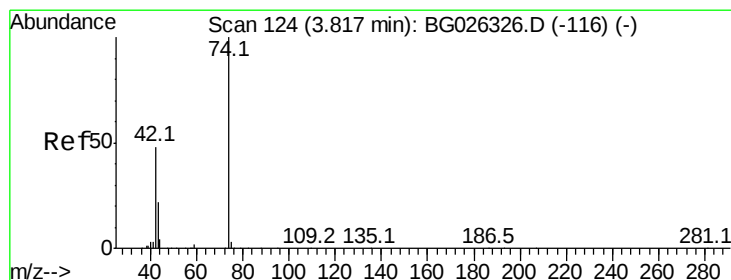
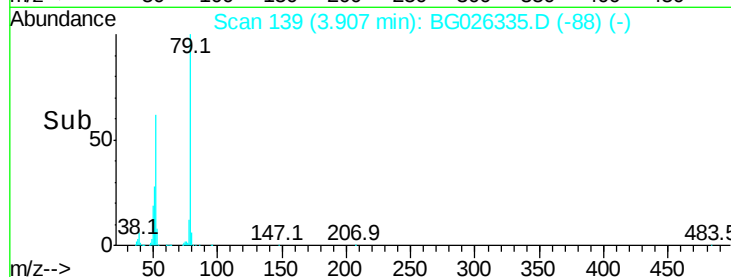
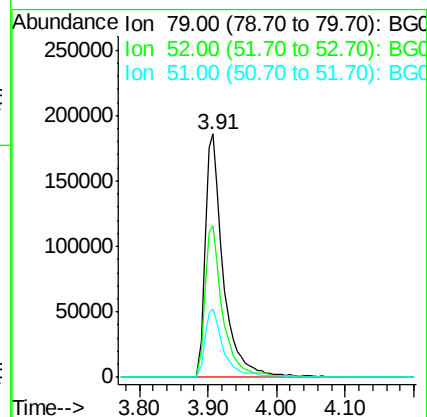
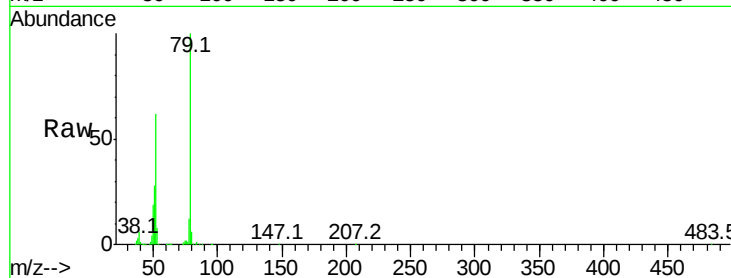
Tot Ion: 79 Resp: 346275

Ion Ratio Lower Upper

79 100

52 62.2 77.8 116.6#

51 27.9 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 39.35 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

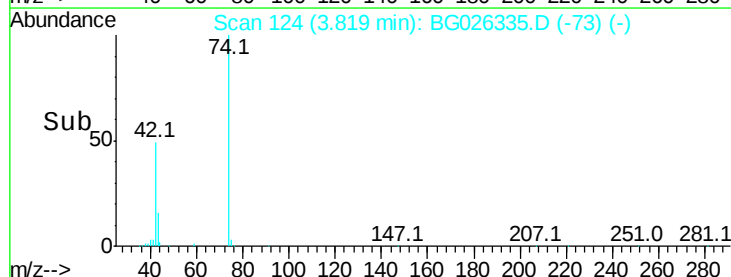
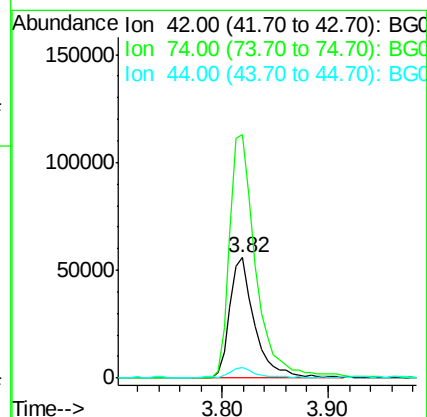
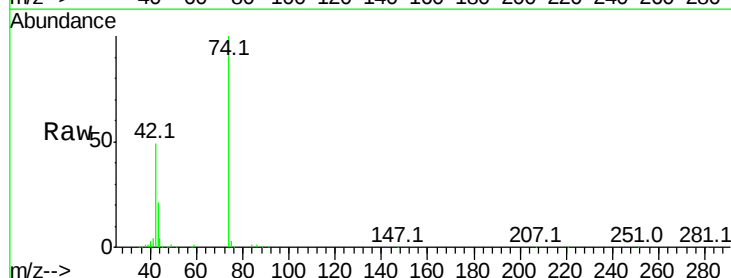
Tgt Ion: 42 Resp: 91633

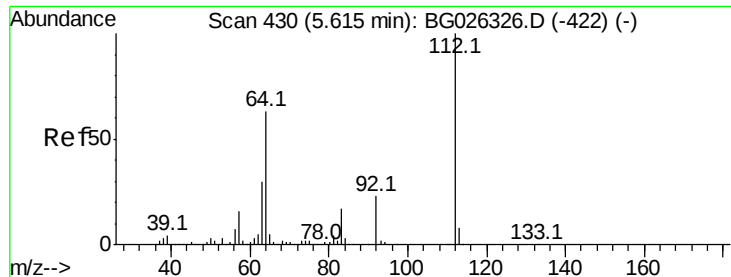
Ion Ratio Lower Upper

42 100

74 202.5 76.7 115.1#

44 8.5 6.1 9.1





#5

2-Fluorophenol

Concen: 80.61 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

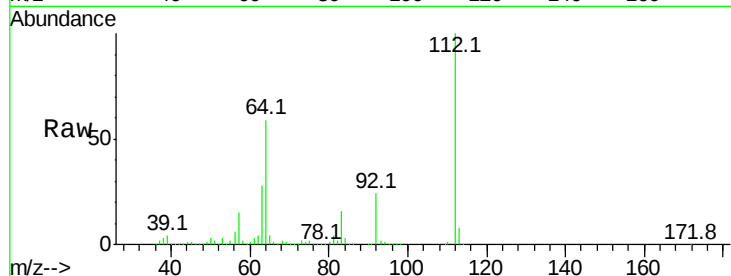
Tot Ion:112 Resp: 558624

Ion Ratio Lower Upper

112 100

64 59.0 61.8 92.6#

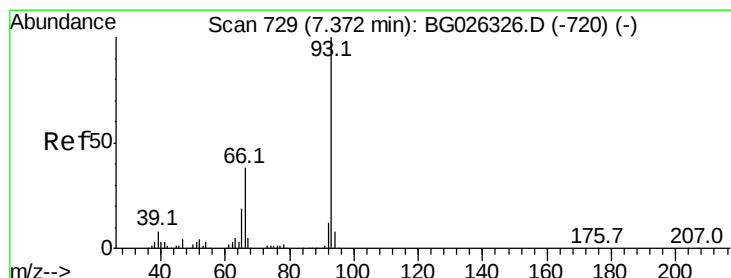
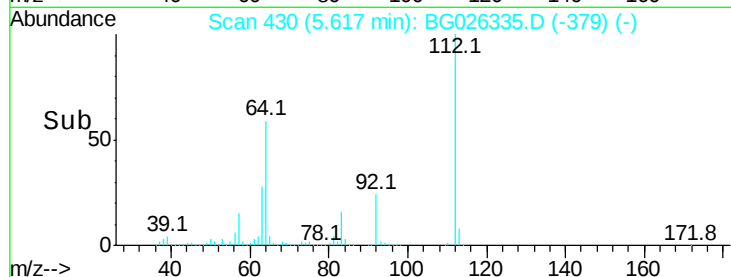
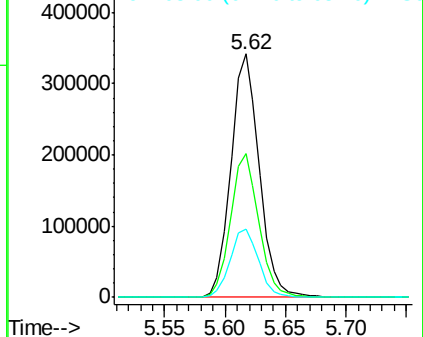
63 28.1 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 39.56 ng

RT: 7.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

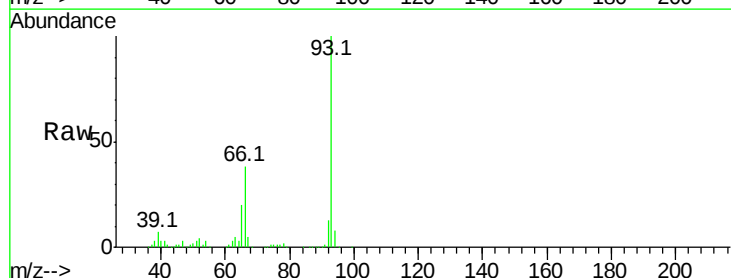
Tgt Ion: 93 Resp: 491647

Ion Ratio Lower Upper

93 100

66 38.0 35.4 53.2

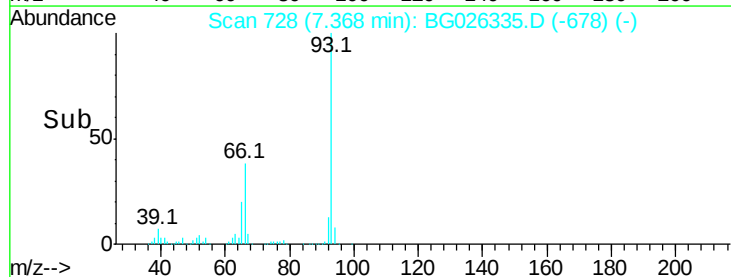
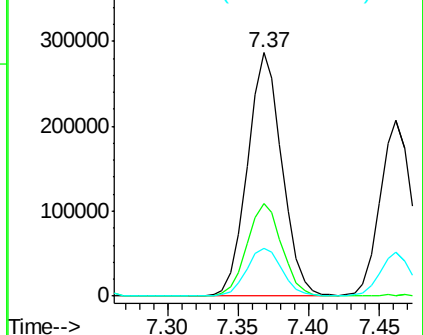
65 19.6 21.2 31.8#

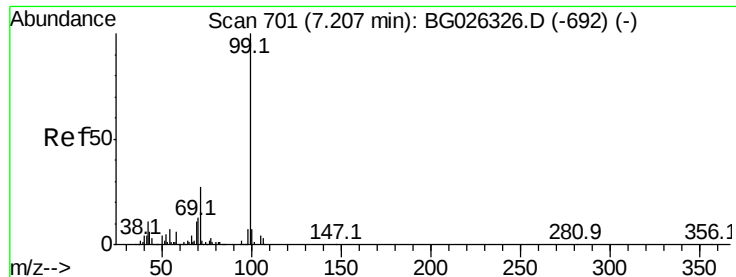


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 81.62 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

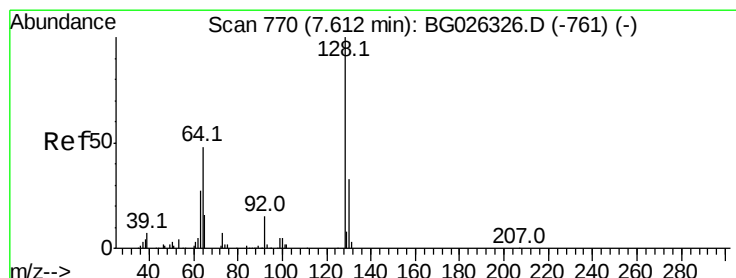
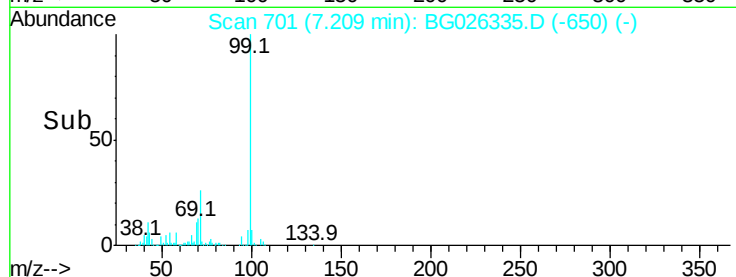
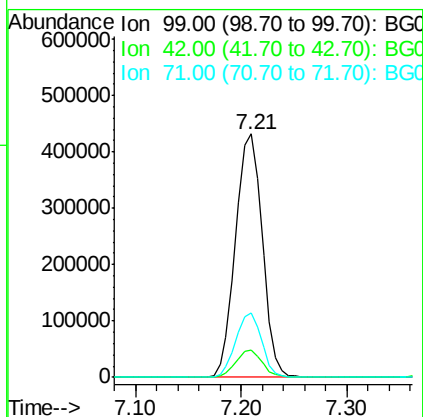
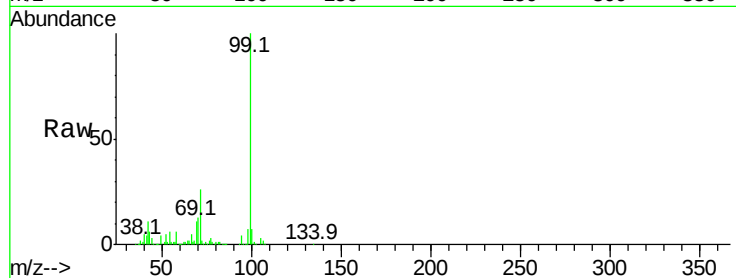
Tot Ion: 99 Resp: 759424

Ion Ratio Lower Upper

99 100

42 11.2 20.5 30.7#

71 26.4 37.6 56.4#



#8

2-Chlorophenol

Concen: 40.34 ng

RT: 7.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

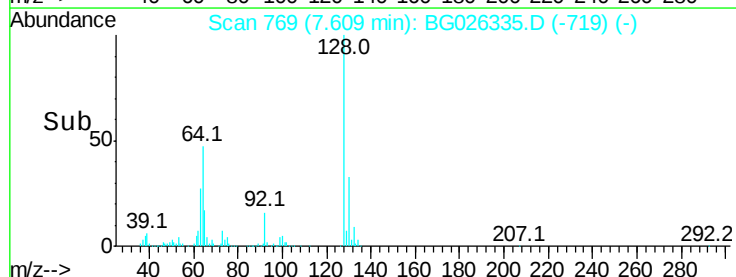
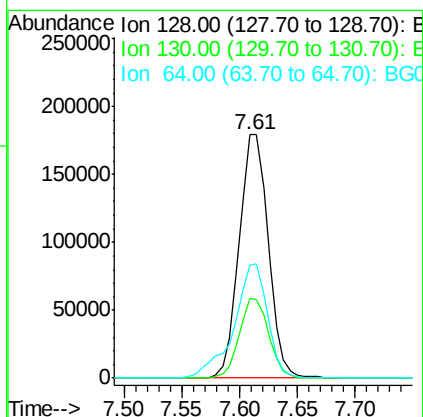
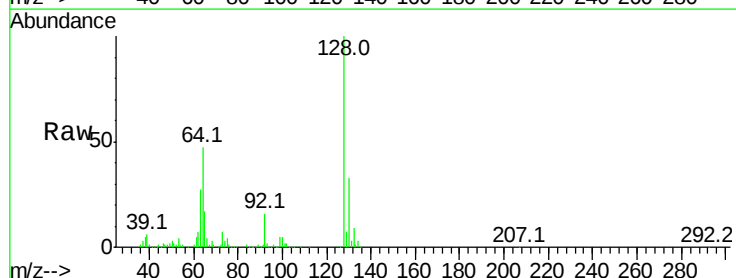
Tgt Ion: 128 Resp: 314780

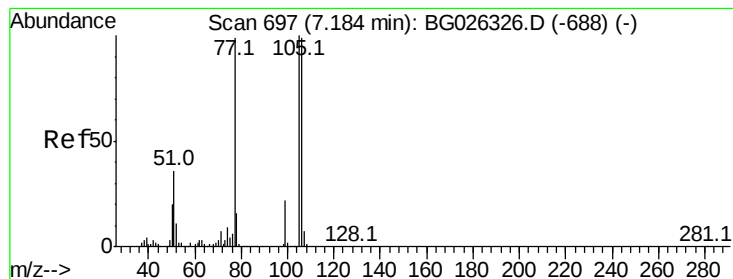
Ion Ratio Lower Upper

128 100

130 32.6 11.4 51.4

64 46.5 46.6 86.6#





#9

Benzaldehyde

Concen: 39.76 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

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Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

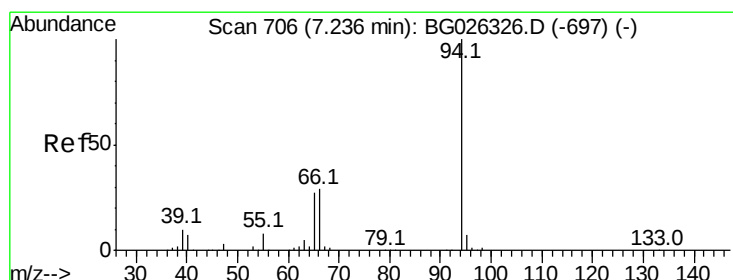
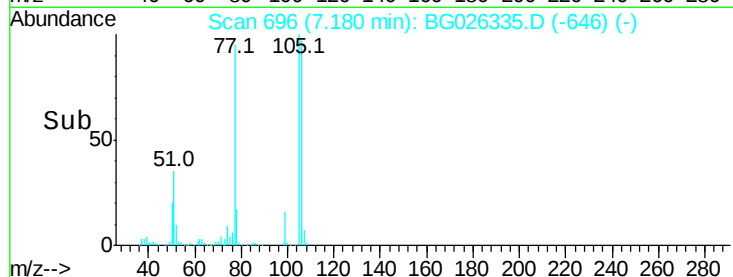
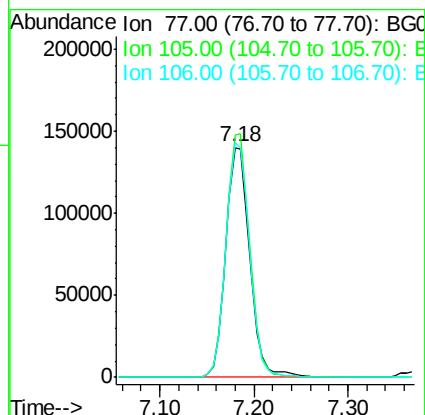
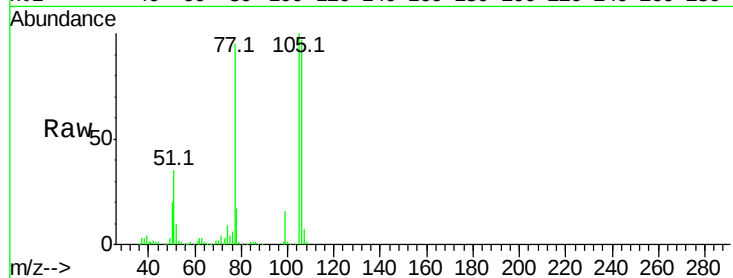
Tot Ion: 77 Resp: 249725

Ion Ratio Lower Upper

77 100

105 105.1 60.9 100.9#

106 102.1 55.1 95.1#



#10

Phenol

Concen: 40.10 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

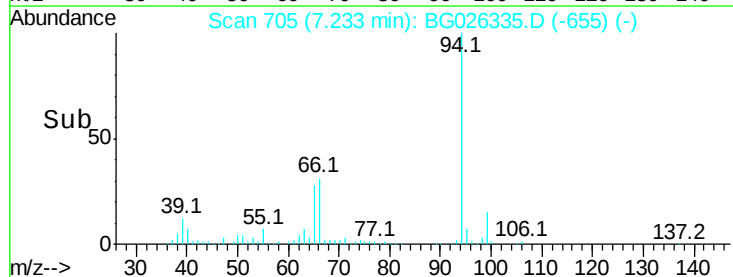
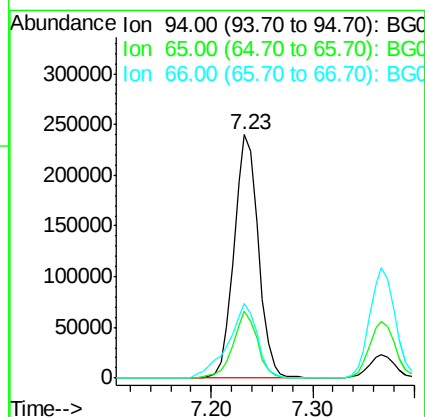
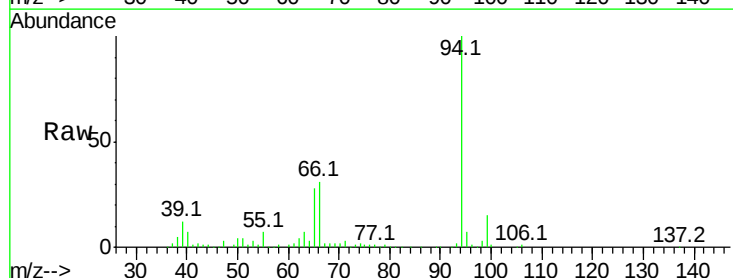
Tgt Ion: 94 Resp: 398166

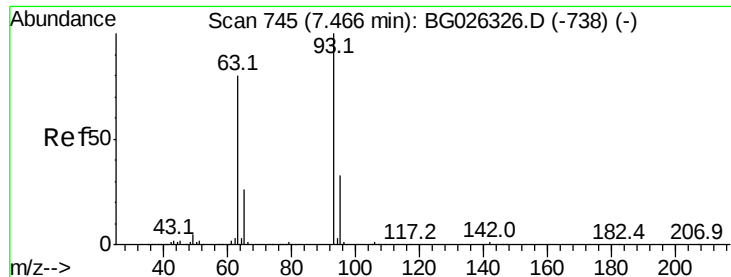
Ion Ratio Lower Upper

94 100

65 27.5 20.6 60.6

66 30.7 35.5 75.5#





#11

bis(2-Chloroethyl)ether

Concen: 39.62 ng

RT: 7.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

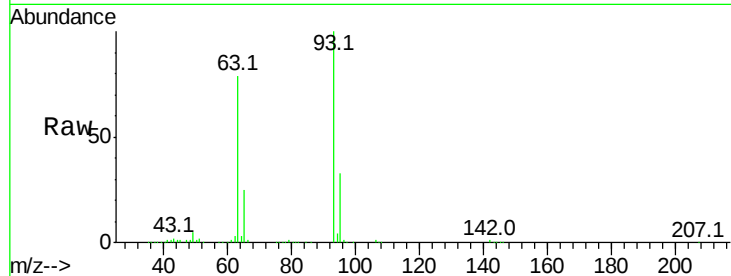
Tot Ion: 93 Resp: 322614

Ion Ratio Lower Upper

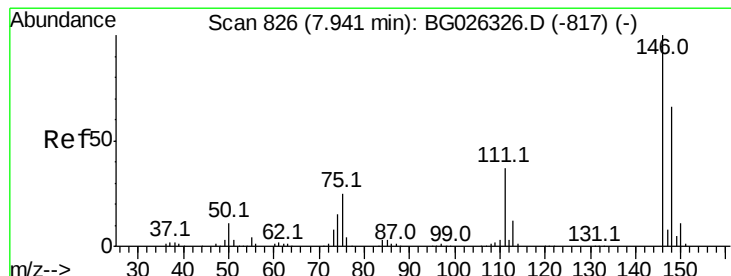
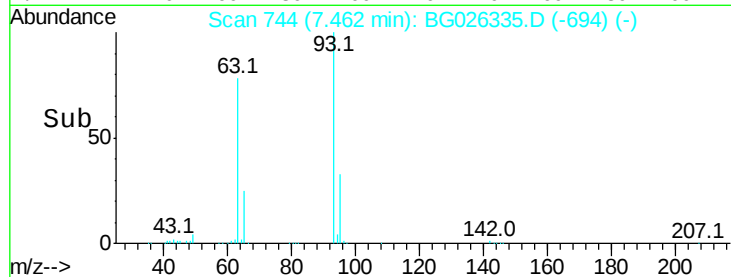
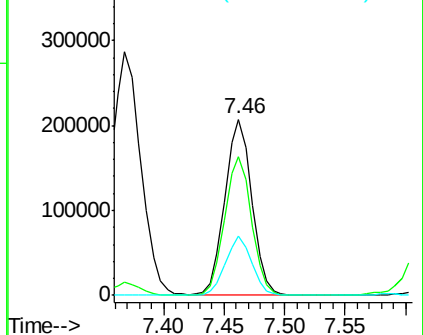
93 100

63 78.7 78.5 118.5

95 33.4 9.8 49.8



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



#12

1,3-Dichlorobenzene

Concen: 40.12 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

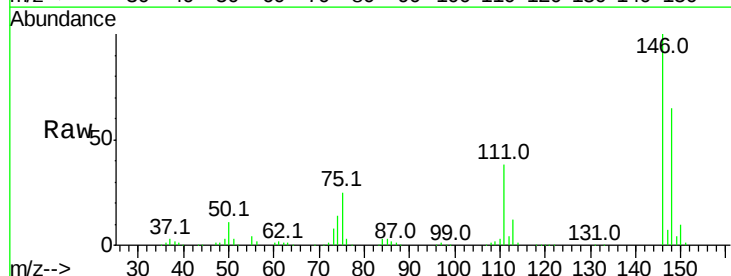
Tgt Ion: 146 Resp: 372691

Ion Ratio Lower Upper

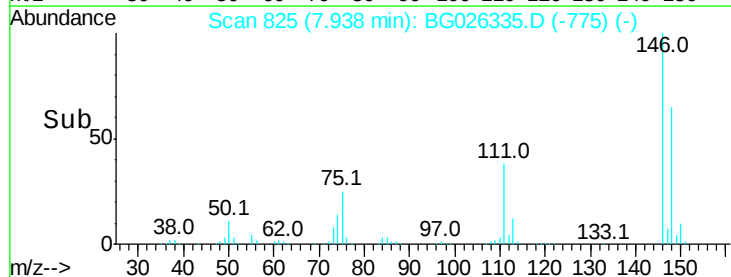
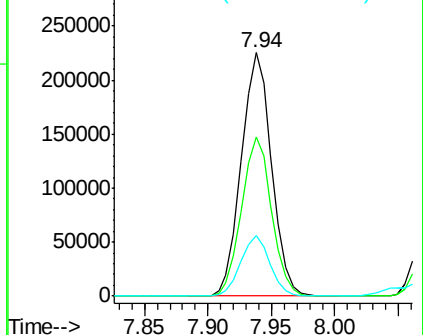
146 100

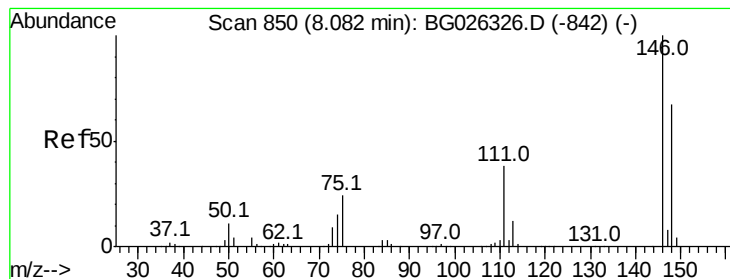
148 65.3 49.2 73.8

75 24.7 33.4 50.2#



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





#13

1,4-Dichlorobenzene

Concen: 39.66 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.14 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

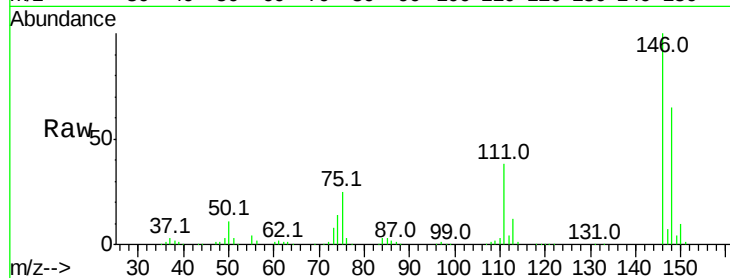
Tot Ion:146 Resp: 372691

Ion Ratio Lower Upper

146 100

148 65.3 52.2 78.2

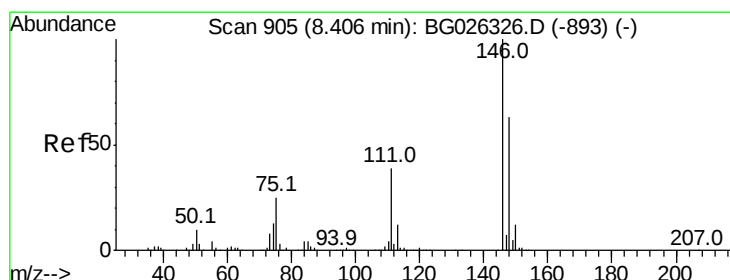
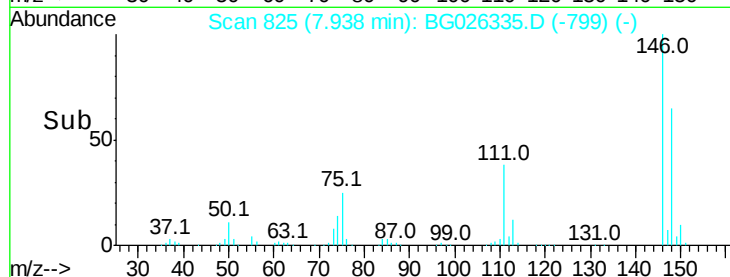
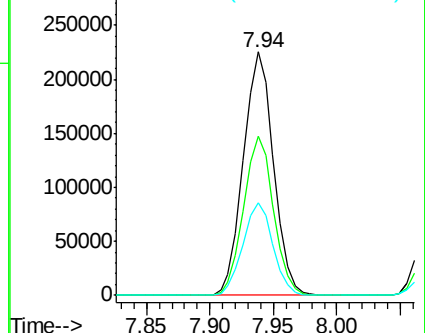
111 38.3 37.0 55.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.69 ng

RT: 8.40 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

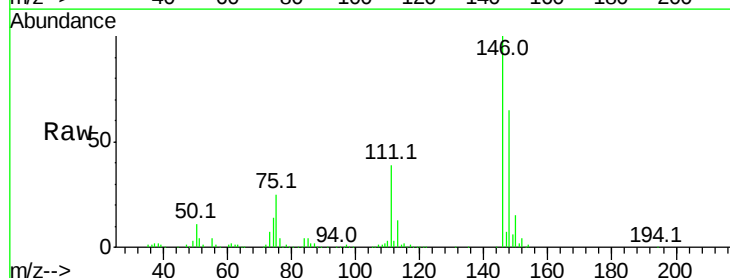
Tgt Ion:146 Resp: 365968

Ion Ratio Lower Upper

146 100

148 64.7 54.6 81.8

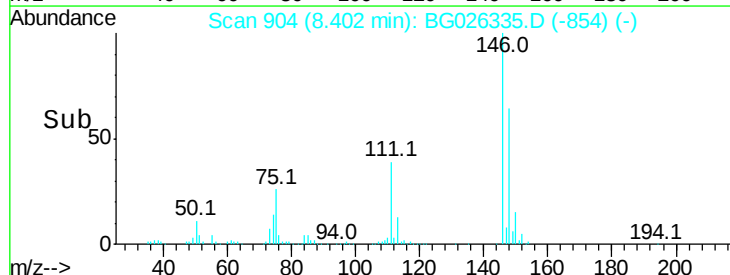
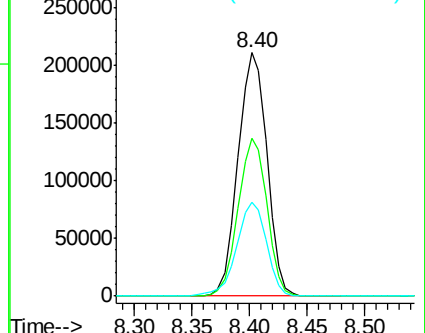
111 38.5 39.7 59.5#

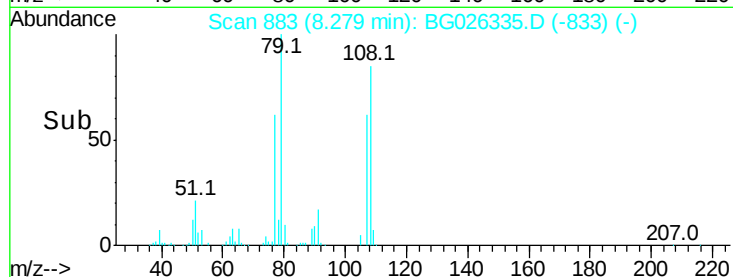
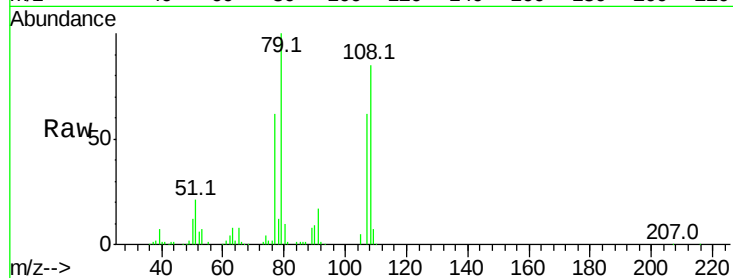
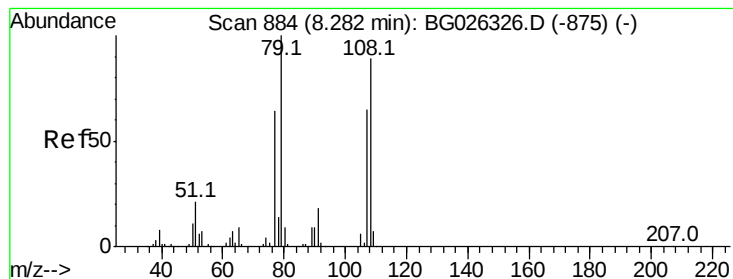


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.82 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

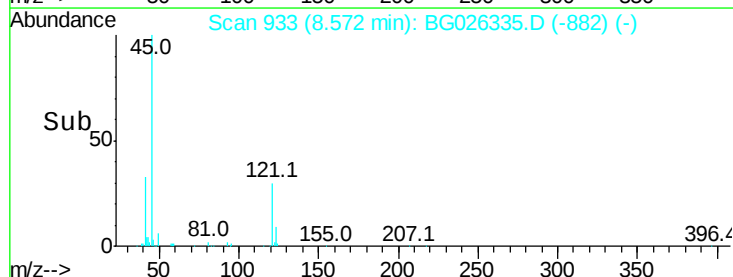
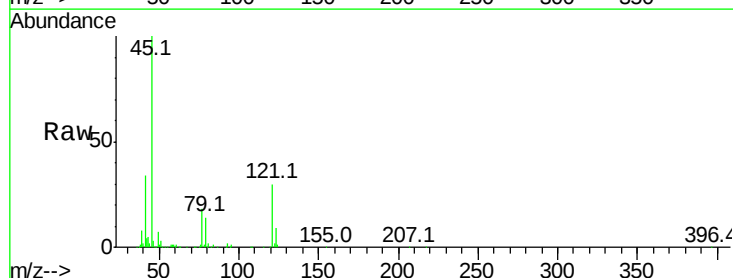
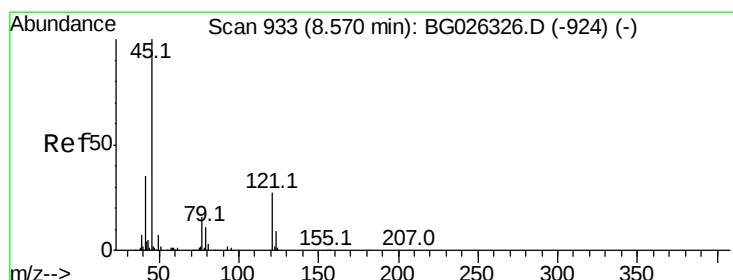
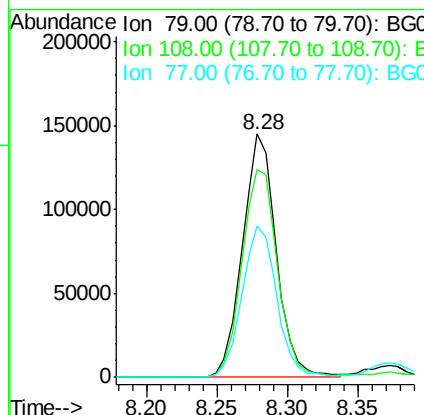
Tot Ion: 79 Resp: 242878

Ion Ratio Lower Upper

79 100

108 85.4 45.5 68.3#

77 62.1 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.96 ng

RT: 8.57 min Scan# 933

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

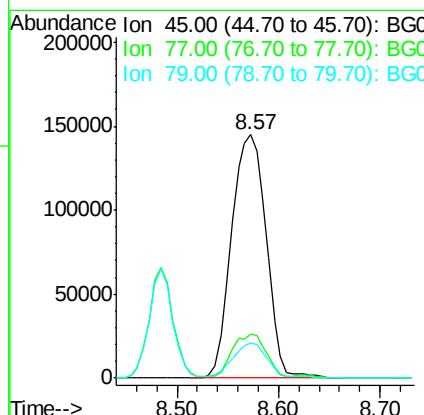
Tgt Ion: 45 Resp: 343190

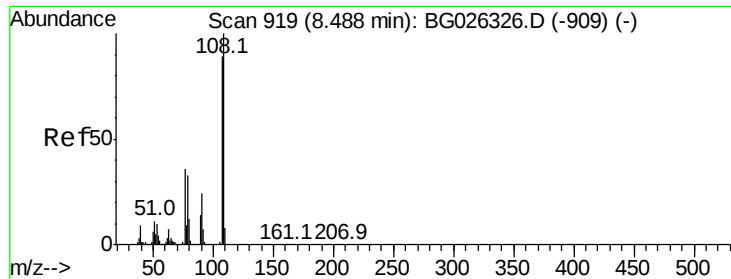
Ion Ratio Lower Upper

45 100

77 18.1 0.0 30.6

79 14.5 0.0 28.5





#17

2-Methylphenol

Concen: 39.88 ng

RT: 8.48 min Scan# 918

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

Tot Ion:107 Resp: 281193

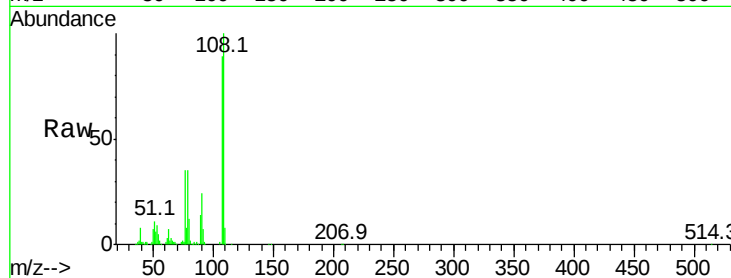
Ion Ratio Lower Upper

107 100

108 112.2 85.6 128.4

77 39.5 51.4 77.2#

79 39.0 49.2 73.8#

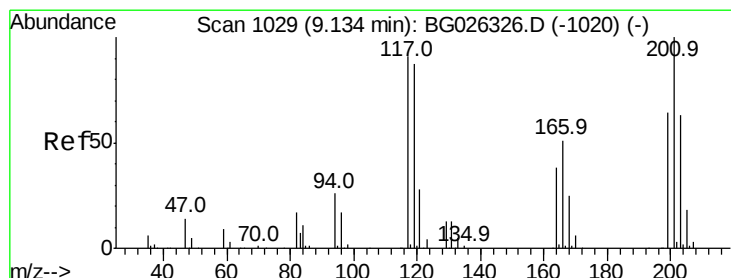
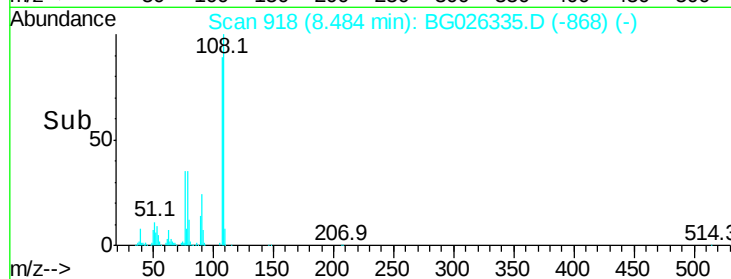
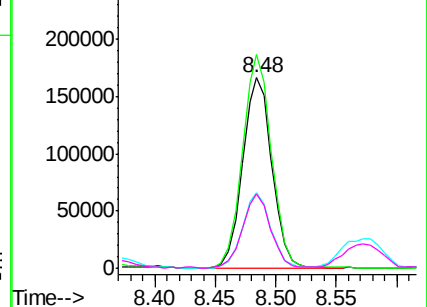


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 39.97 ng

RT: 9.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

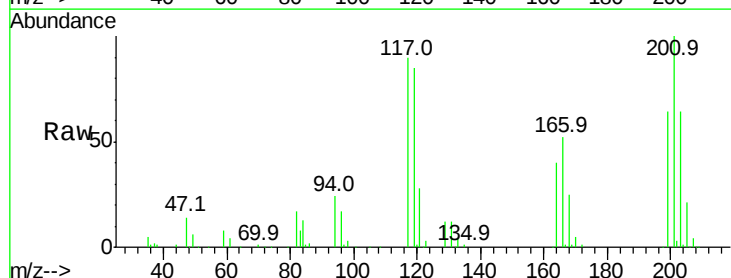
Tgt Ion:117 Resp: 122817

Ion Ratio Lower Upper

117 100

119 94.7 69.8 104.6

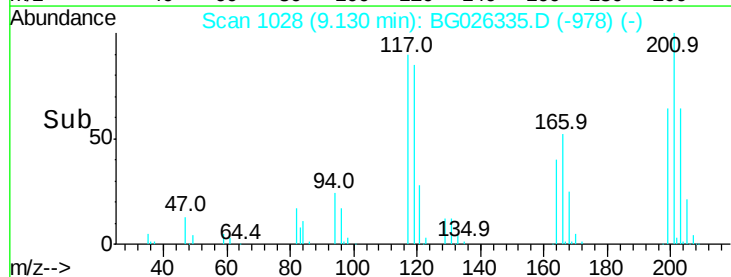
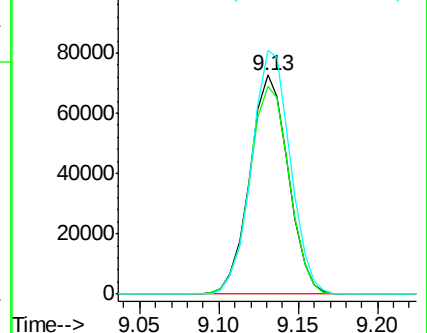
201 111.1 95.4 143.0

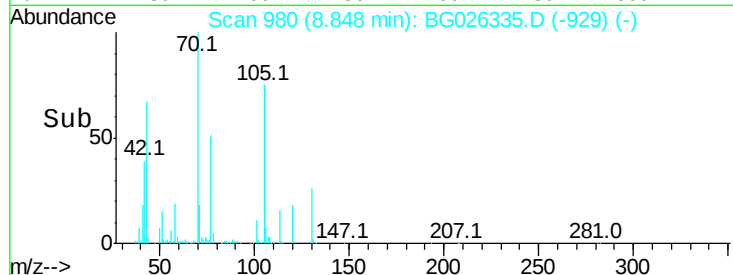
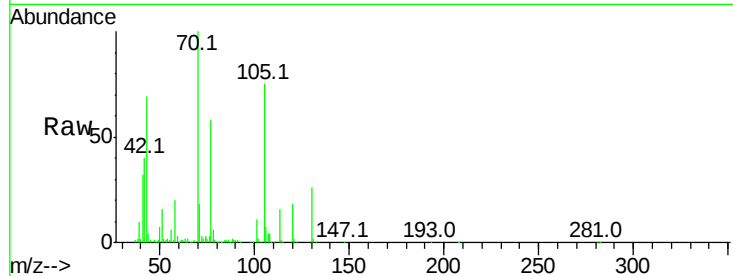
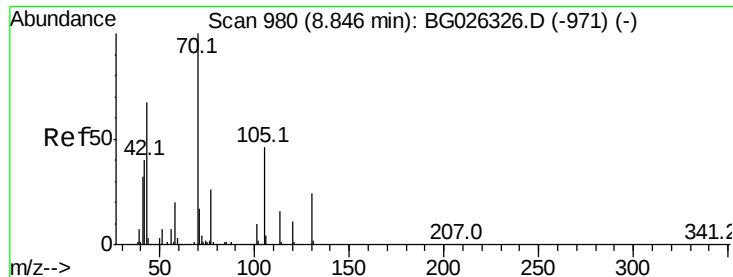


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

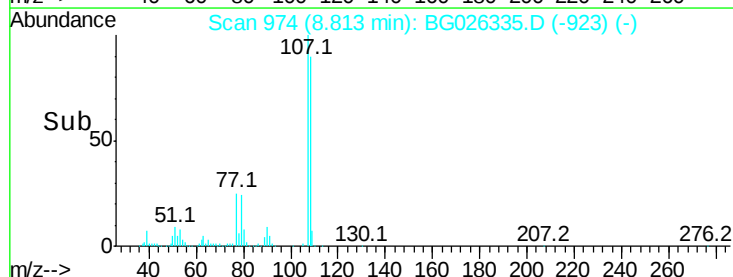
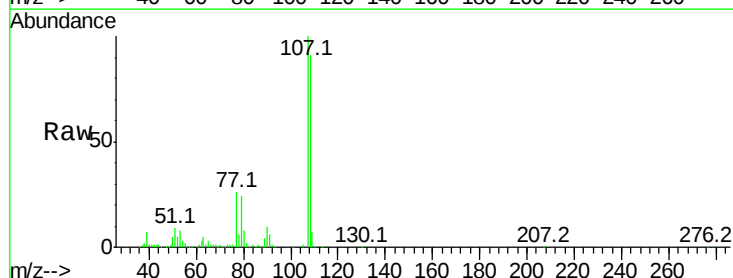
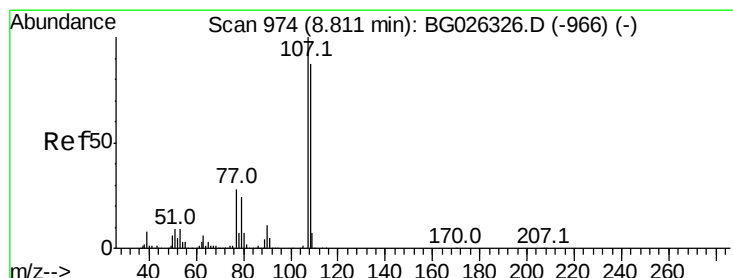
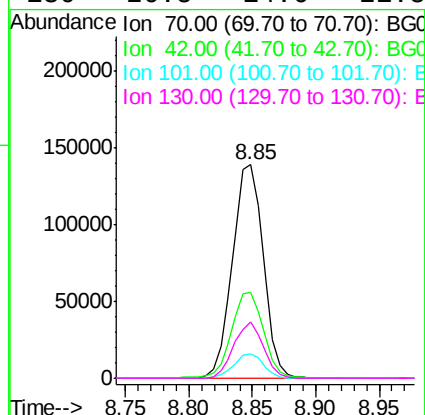




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.91 ng  
RT: 8.85 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

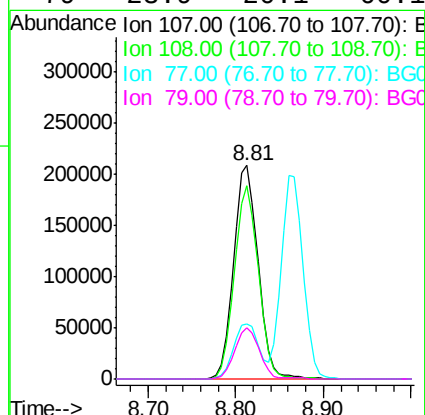
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

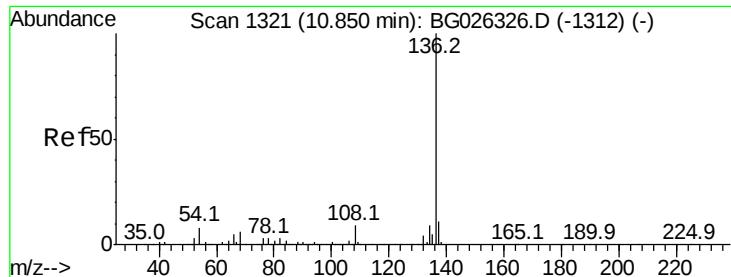
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 40.4  | 56.1  | 84.1# |
| 101     | 11.3  | 7.5   | 11.3  |
| 130     | 26.5  | 14.6  | 21.8# |



#20  
3+4-Methylphenols  
Concen: 40.64 ng  
RT: 8.81 min Scan# 974  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 90.8  | 70.8  | 110.8 |
| 77      | 25.9  | 25.8  | 65.8  |
| 79      | 23.9  | 20.1  | 60.1  |

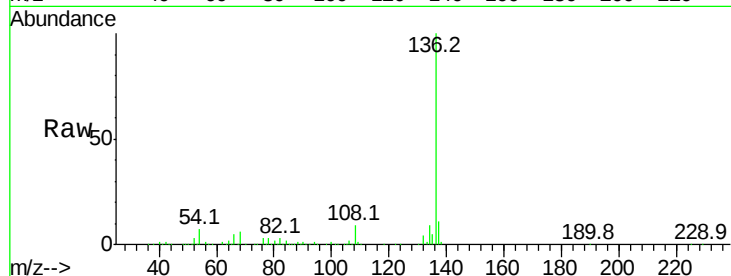




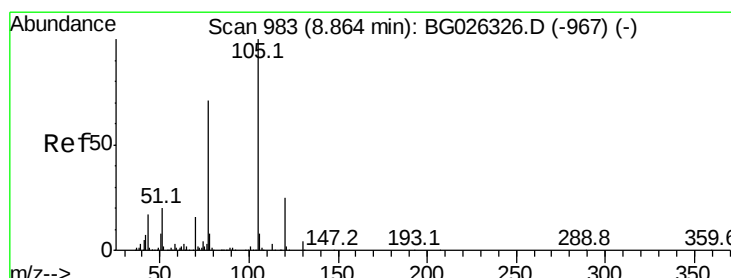
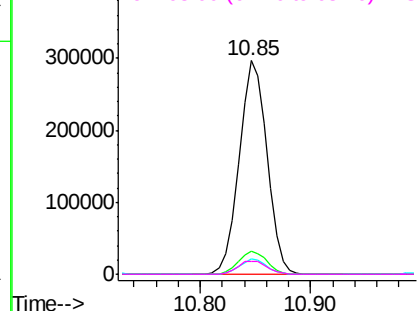
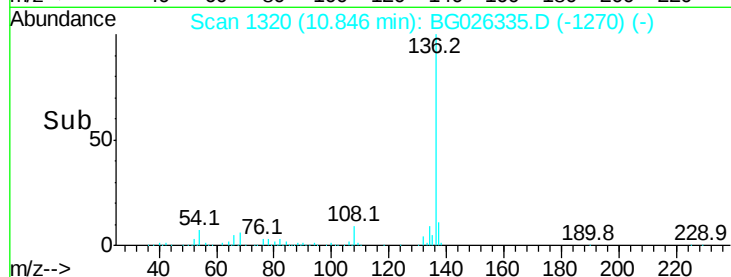
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.85 min Scan# 1320  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 525347    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 10.9  | 8.9 13.3  |
| 54          | 7.2   | 9.3 13.9# |
| 68          | 6.3   | 5.1 7.7   |

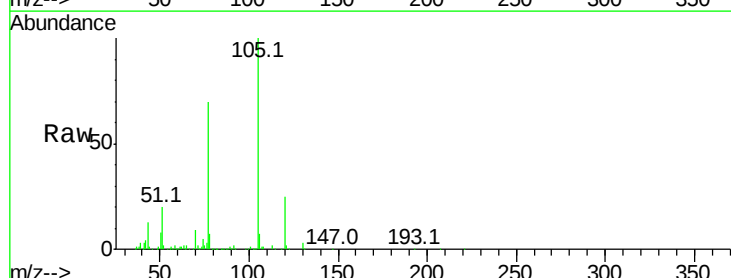


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

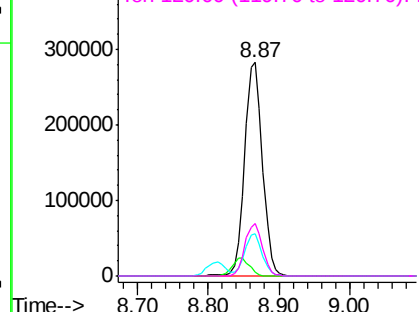
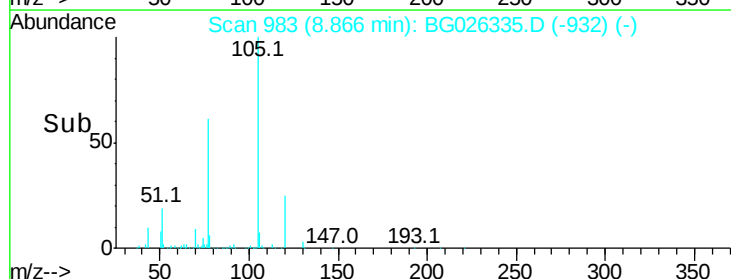


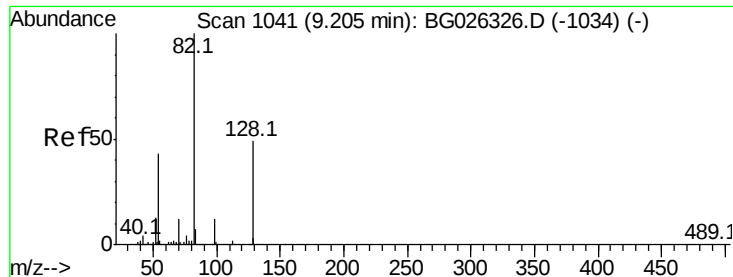
#22  
Acetophenone  
Concen: 41.05 ng  
RT: 8.87 min Scan# 983  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 495951     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 1.5   | 0.9 1.3#   |
| 51          | 20.0  | 34.0 51.0# |
| 120         | 24.8  | 17.3 25.9  |



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

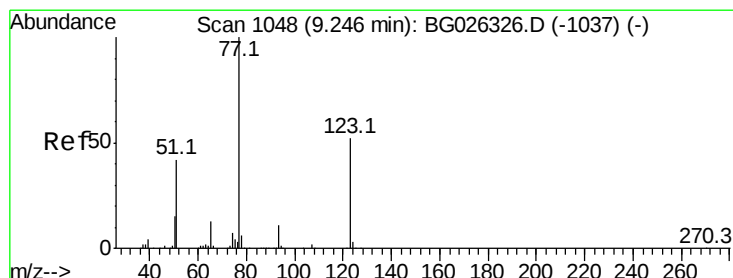
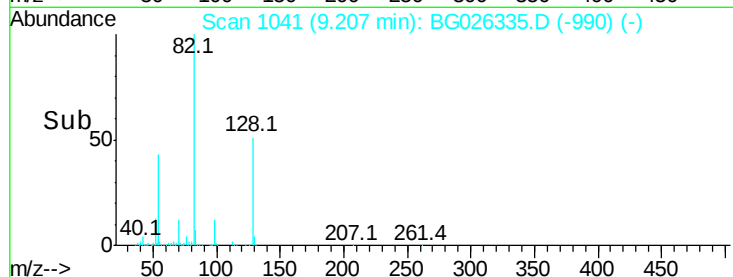
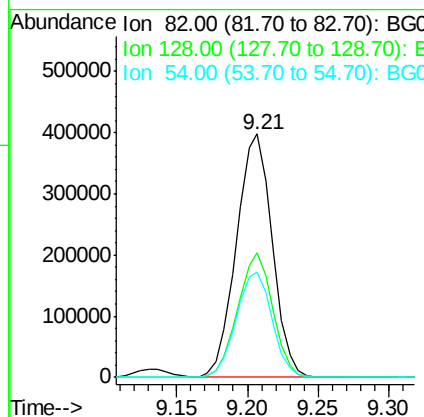
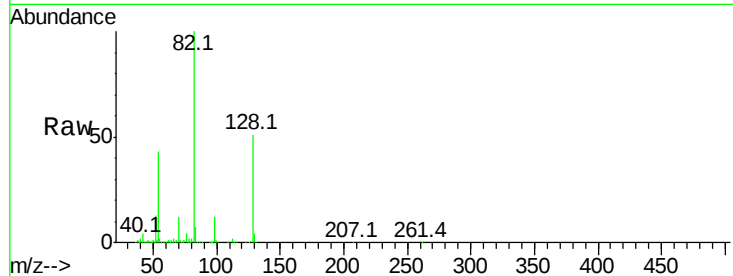




#23  
 Nitrobenzene-d5  
 Concen: 80.67 ng  
 RT: 9.21 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

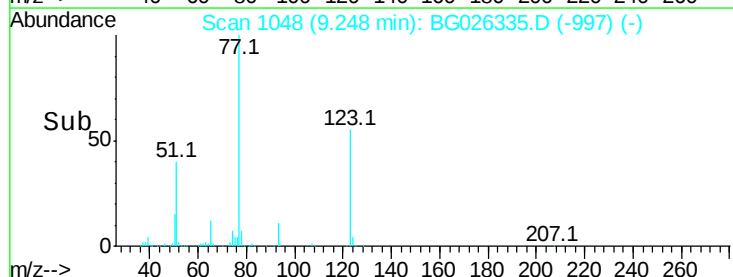
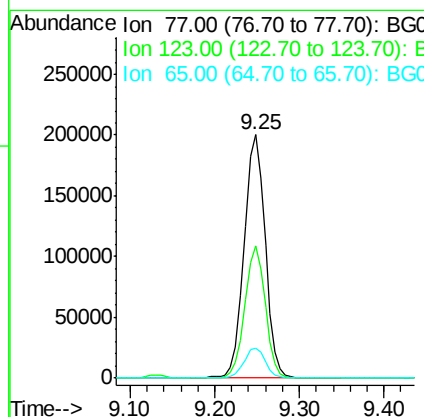
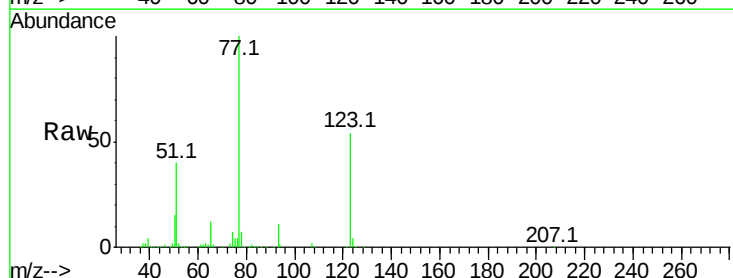
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

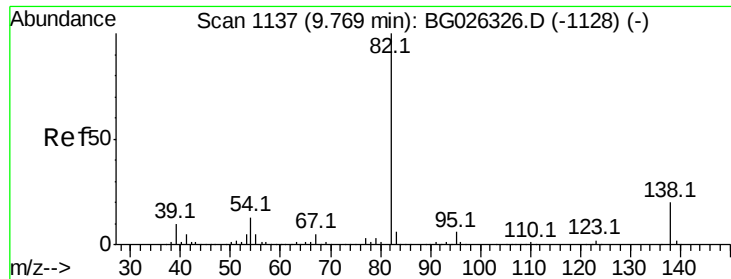
Tot Ion: 82 Resp: 704838  
 Ion Ratio Lower Upper  
 82 100  
 128 51.0 26.4 39.6#  
 54 43.0 49.4 74.2#



#24  
 Nitrobenzene  
 Concen: 40.05 ng  
 RT: 9.25 min Scan# 1048  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Tgt Ion: 77 Resp: 345503  
 Ion Ratio Lower Upper  
 77 100  
 123 54.5 26.1 39.1#  
 65 12.4 12.4 18.6





#25

Isophorone

Concen: 39.97 ng

RT: 9.77 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

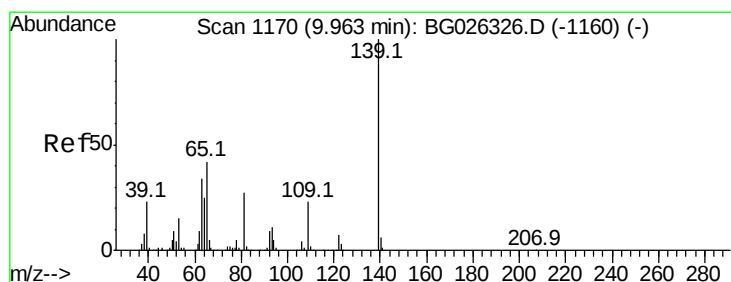
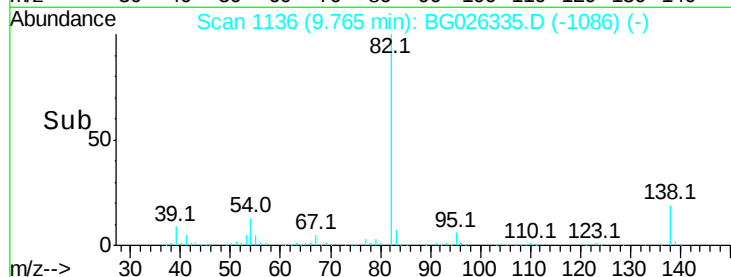
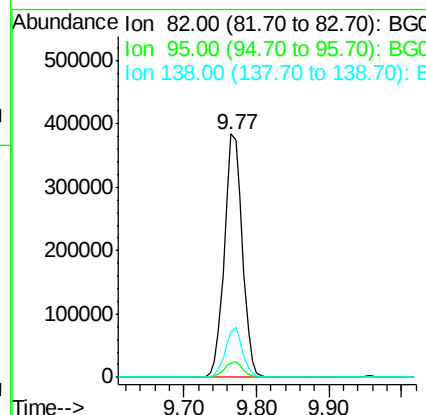
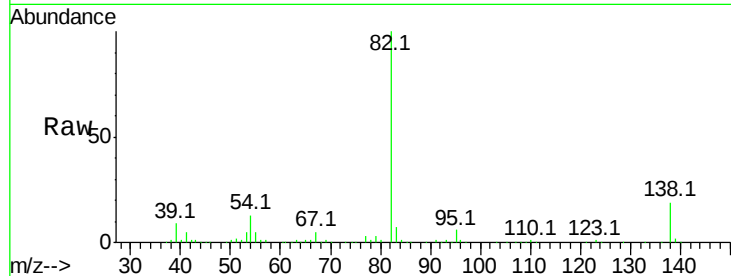
Tot Ion: 82 Resp: 658174

Ion Ratio Lower Upper

82 100

95 6.1 7.5 11.3#

138 18.8 12.3 18.5#



#26

2-Nitrophenol

Concen: 41.36 ng

RT: 9.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

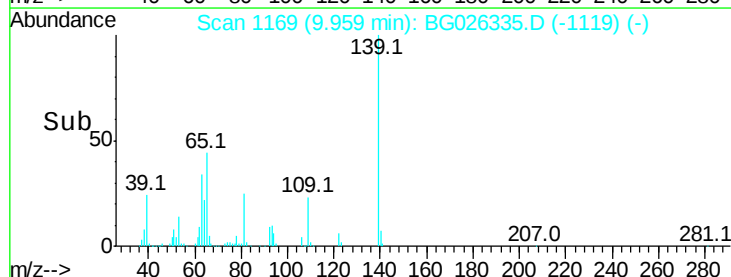
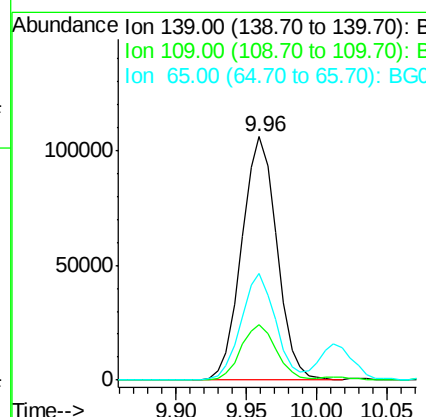
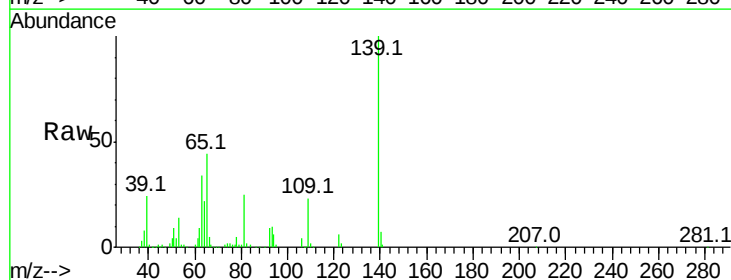
Tgt Ion: 139 Resp: 185679

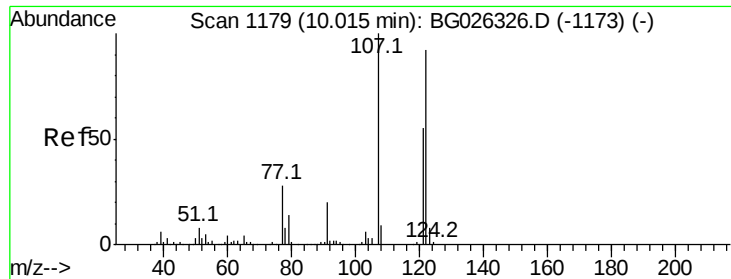
Ion Ratio Lower Upper

139 100

109 22.9 38.6 58.0#

65 43.8 57.1 85.7#

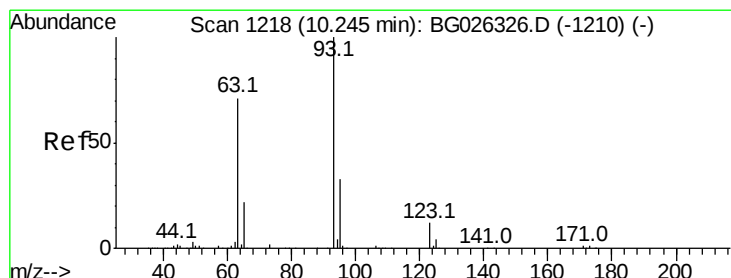
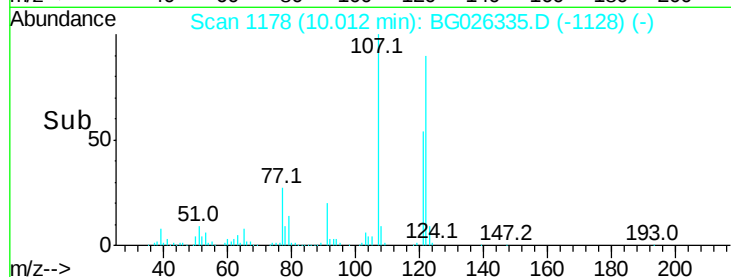
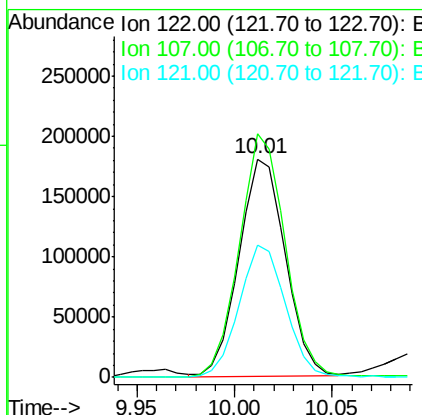
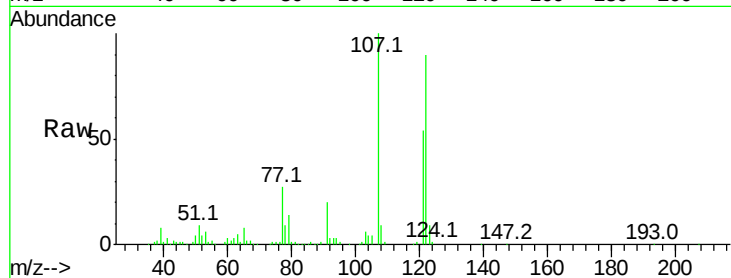




#27  
 2,4-Dimethylphenol  
 Concen: 40.49 ng  
 RT: 10.01 min Scan# 1178  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

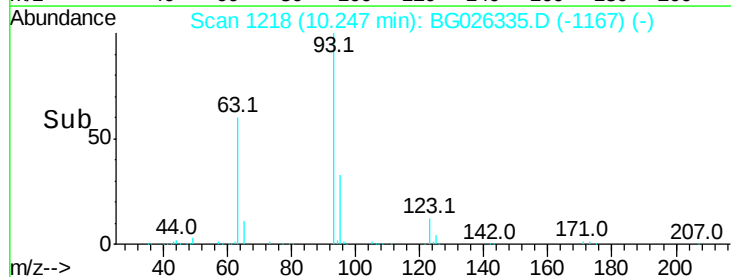
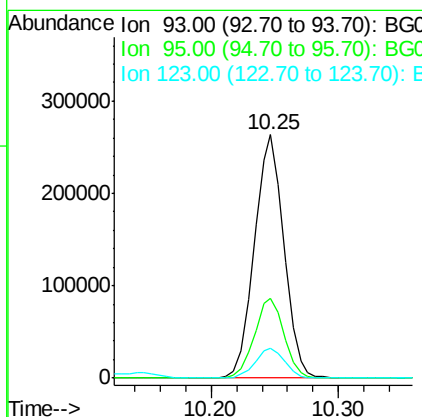
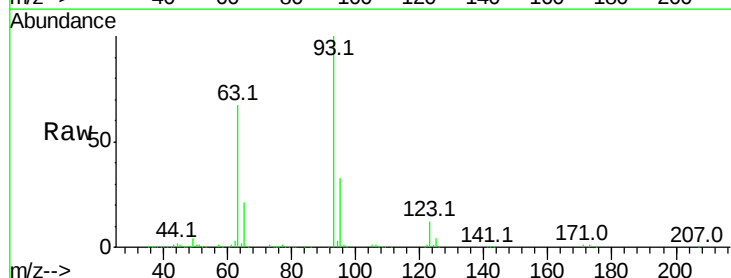
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

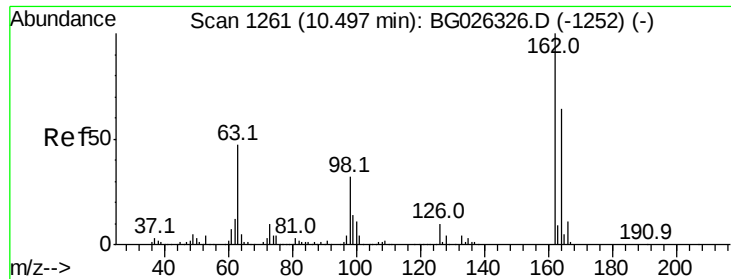
Tot Ion:122 Resp: 298317  
 Ion Ratio Lower Upper  
 122 100  
 107 111.4 104.2 156.4  
 121 60.5 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.76 ng  
 RT: 10.25 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Tgt Ion: 93 Resp: 425316  
 Ion Ratio Lower Upper  
 93 100  
 95 32.5 25.7 38.5  
 123 12.0 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 41.96 ng

RT: 10.49 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

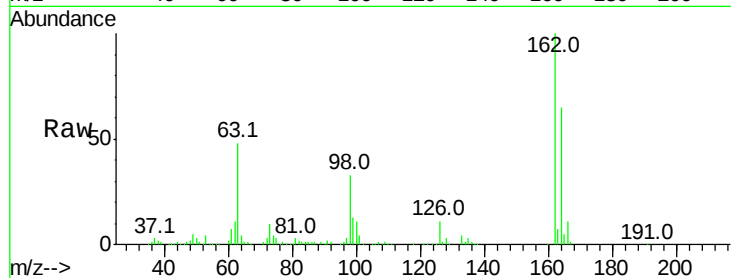
Tot Ion:162 Resp: 312669

Ion Ratio Lower Upper

162 100

164 64.7 42.4 82.4

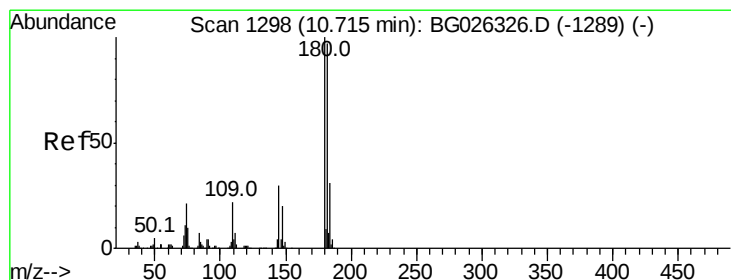
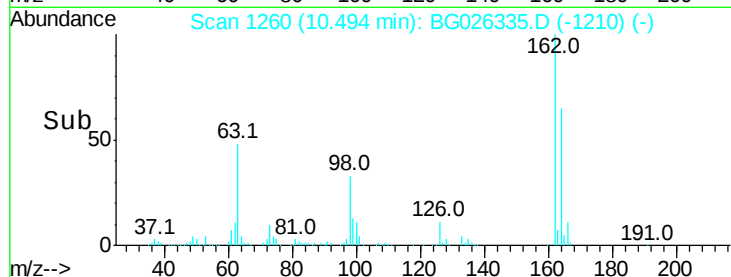
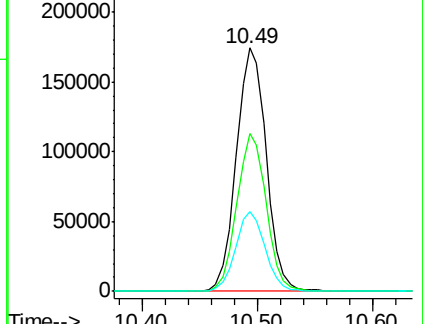
98 32.7 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 41.08 ng

RT: 10.71 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

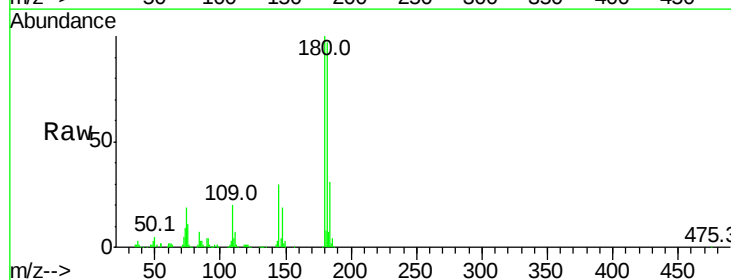
Tgt Ion:180 Resp: 343885

Ion Ratio Lower Upper

180 100

182 97.0 77.0 115.4

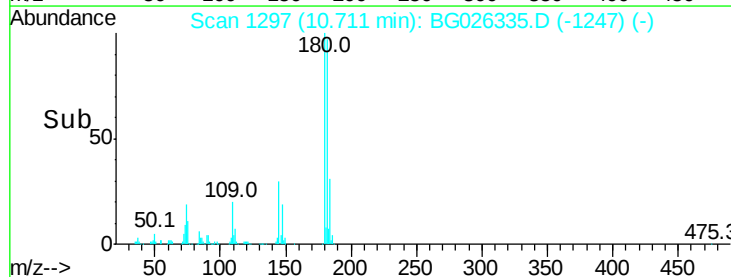
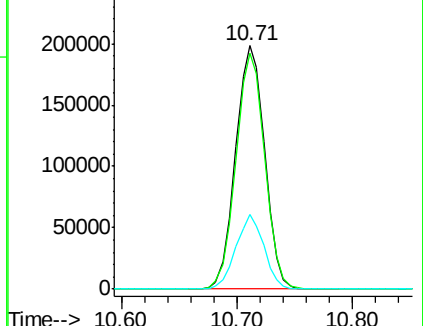
145 30.5 23.4 35.0

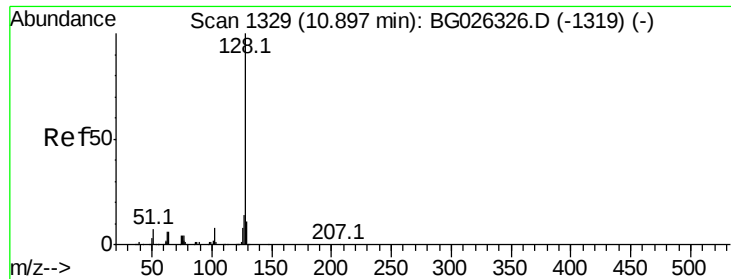


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

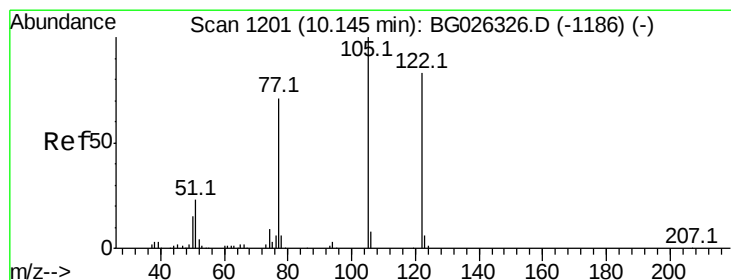
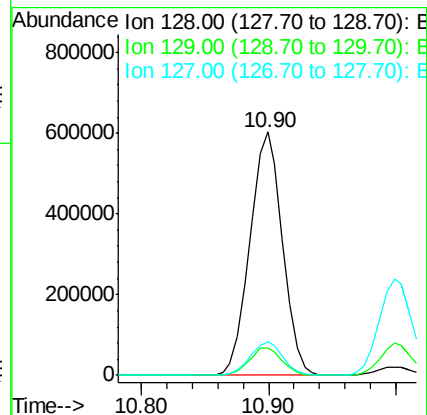
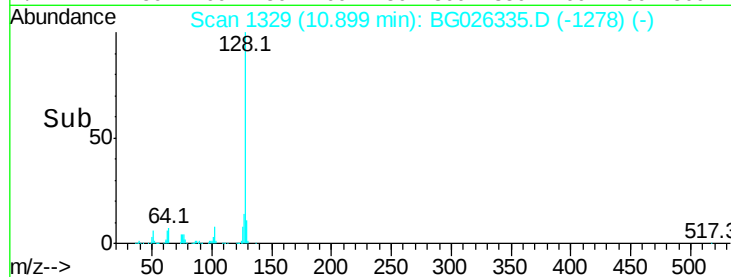
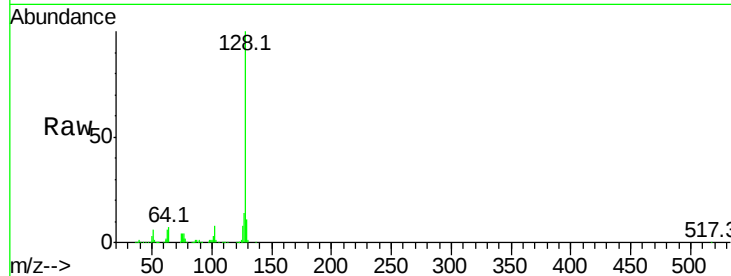




#31  
Naphthalene  
Concen: 40.43 ng  
RT: 10.90 min Scan# 1329  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

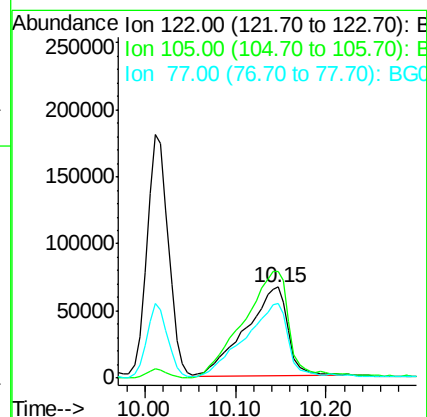
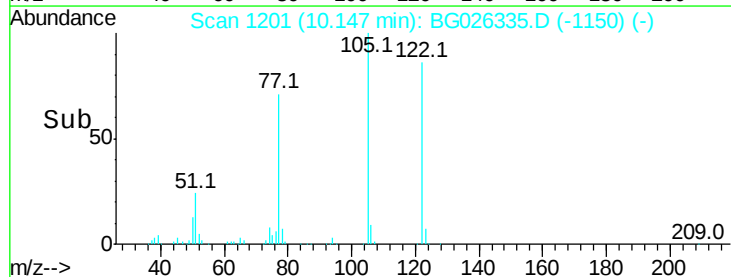
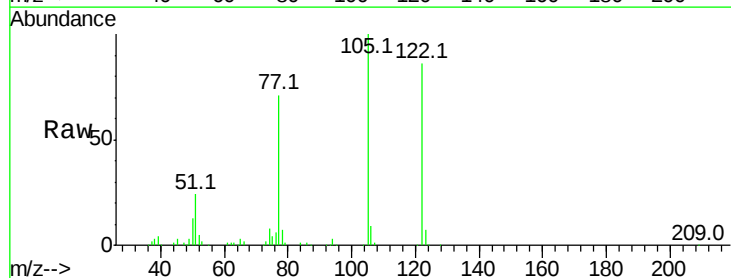
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

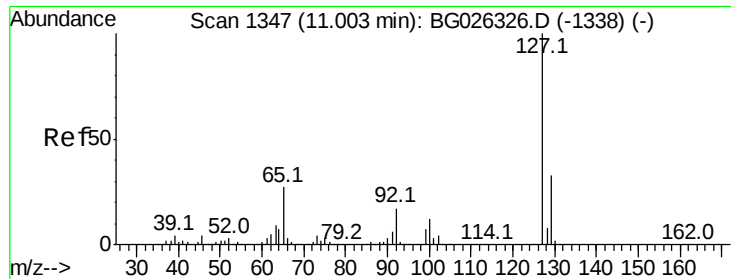
Tot Ion:128 Resp: 1073797  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.3 13.9  
127 14.1 11.4 17.0



#32  
Benzoic acid  
Concen: 38.52 ng  
RT: 10.15 min Scan# 1201  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:122 Resp: 218411  
Ion Ratio Lower Upper  
122 100  
105 116.6 120.1 160.1#  
77 82.5 104.6 144.6#

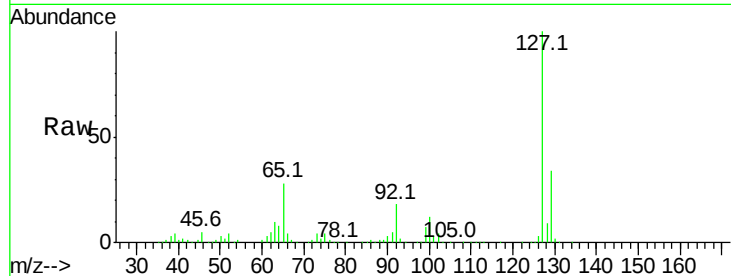




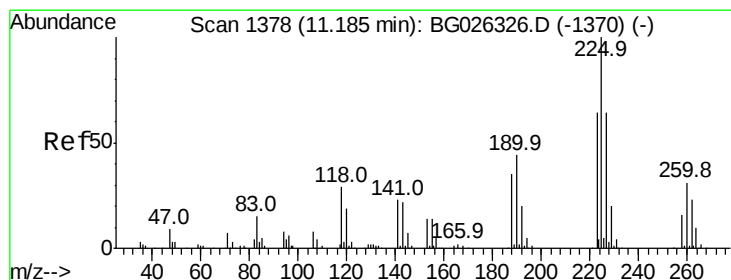
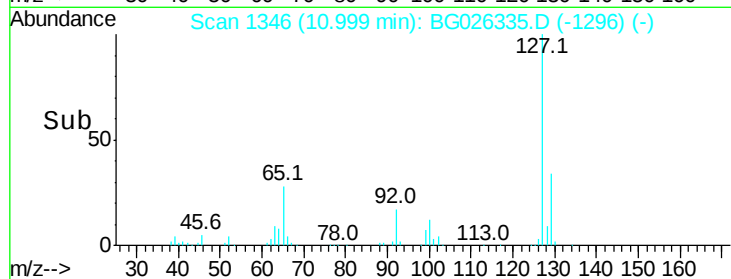
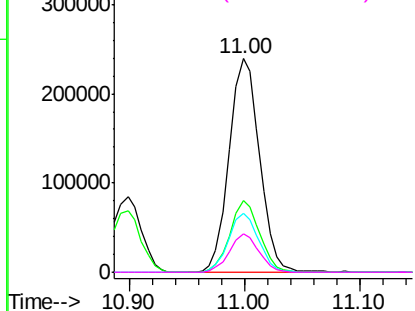
#33  
4-Chloroaniline  
Concen: 40.36 ng  
RT: 11.00 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 436060 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.7  | 23.6  | 35.4   |
| 65       | 27.8  | 37.7  | 56.5#  |
| 92       | 18.1  | 17.6  | 26.4   |

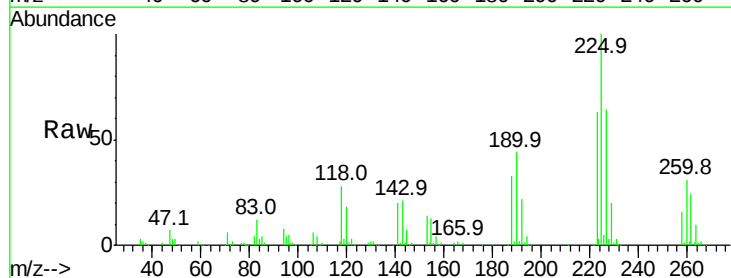


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

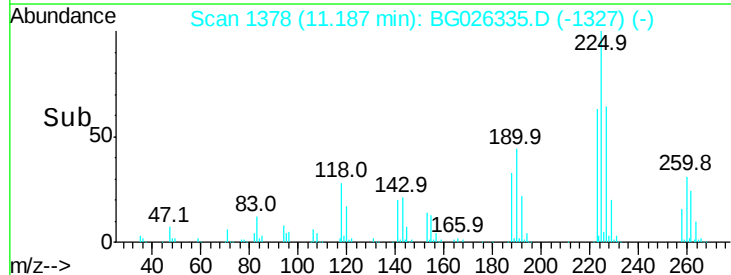
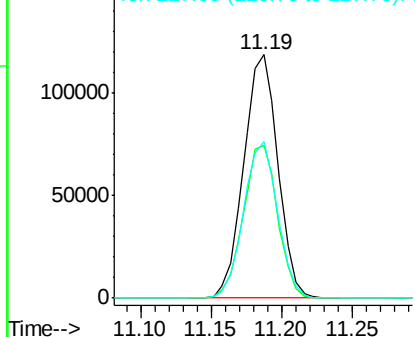


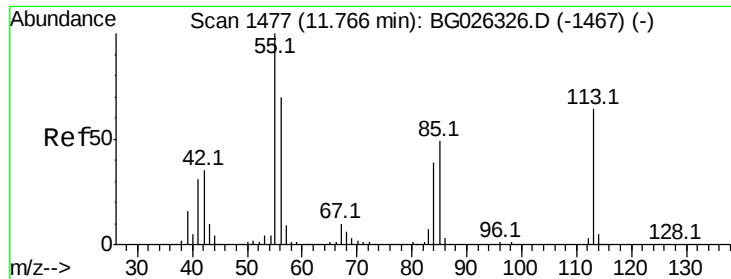
#34  
Hexachlorobutadiene  
Concen: 40.53 ng  
RT: 11.19 min Scan# 1378  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 200158 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.7  | 50.7  | 76.1   |
| 227      | 64.3  | 49.0  | 73.6   |



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

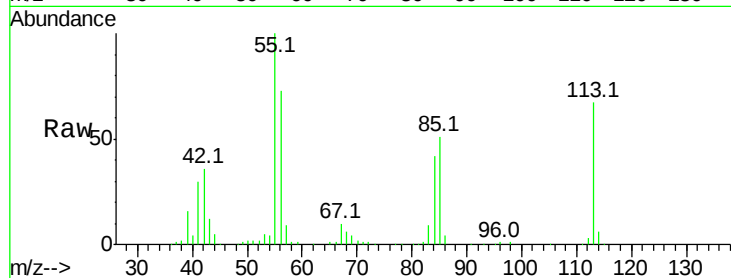




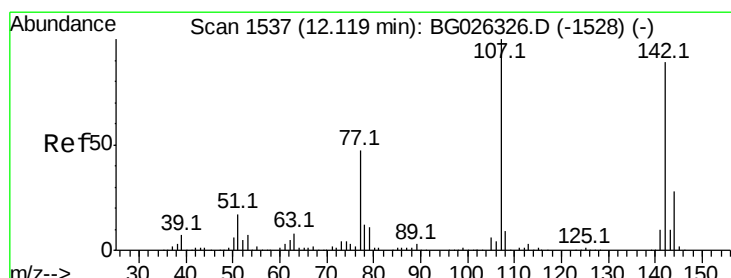
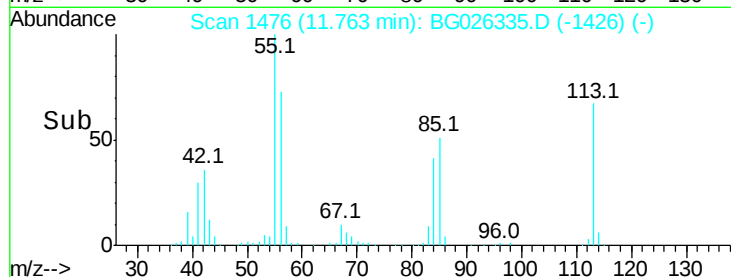
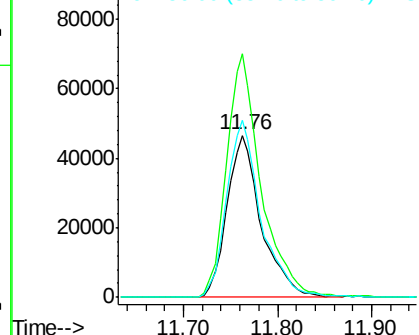
#35  
Caprolactam  
Concen: 40.06 ng  
RT: 11.76 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:113 Resp: 117604  
Ion Ratio Lower Upper  
113 100  
55 150.1 198.6 238.6#  
56 109.3 140.4 180.4#

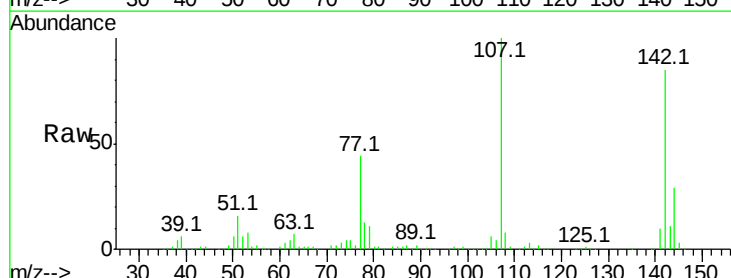


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BG  
Ion 56.00 (55.70 to 56.70): BG

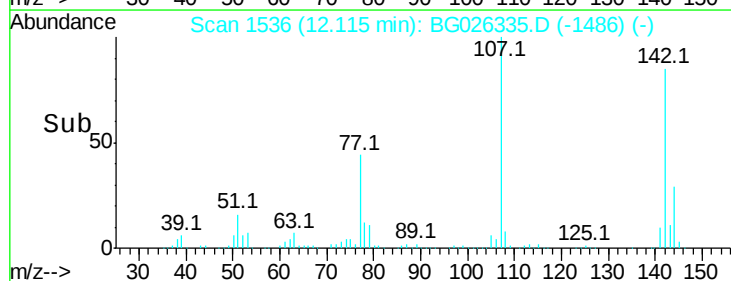
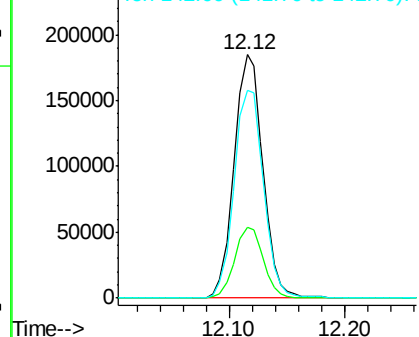


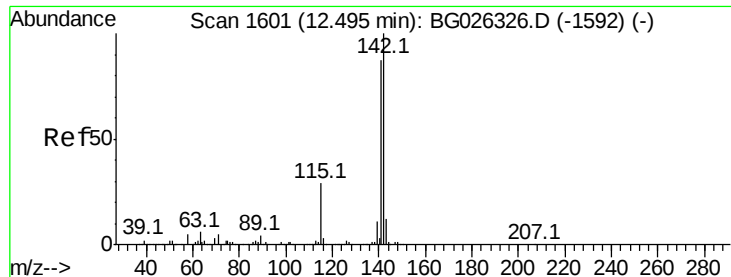
#36  
4-Chloro-3-methylphenol  
Concen: 40.03 ng  
RT: 12.12 min Scan# 1536  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:107 Resp: 319073  
Ion Ratio Lower Upper  
107 100  
144 29.3 17.4 26.0#  
142 85.2 54.1 81.1#



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

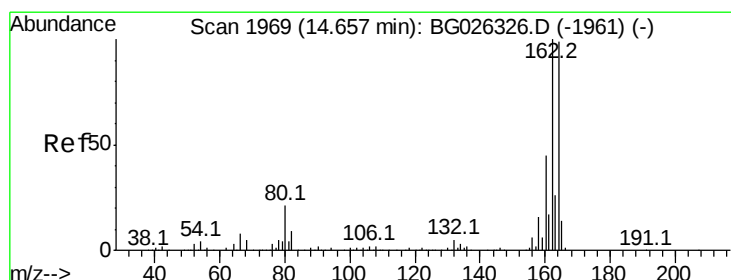
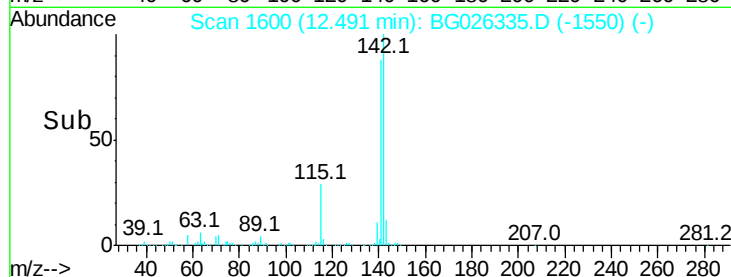
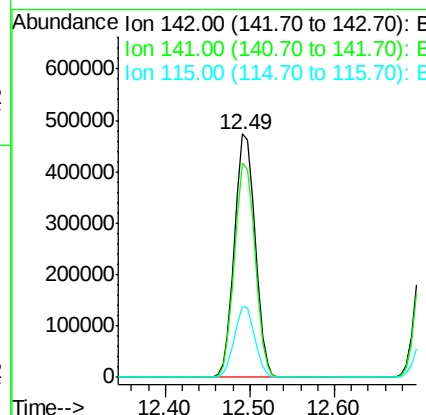
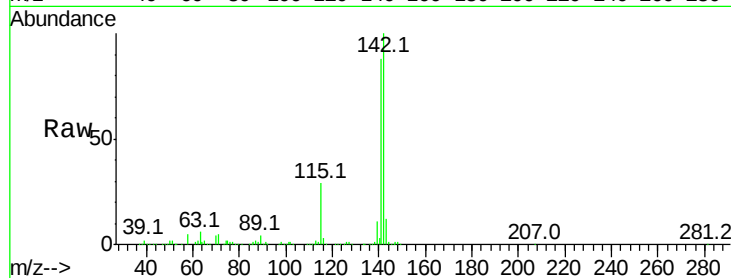




#37  
2-Methylnaphthalene  
Concen: 40.79 ng  
RT: 12.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

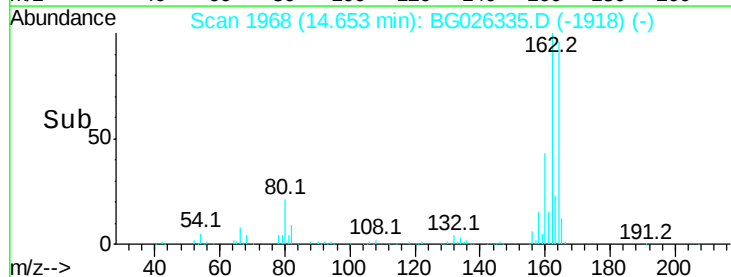
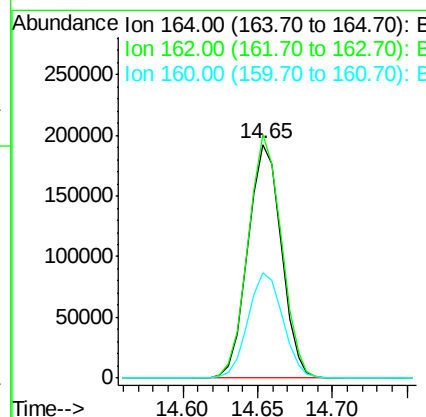
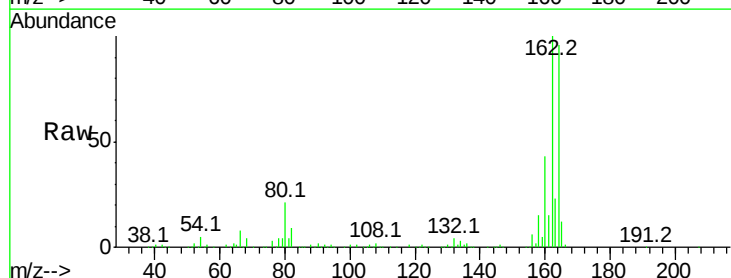
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

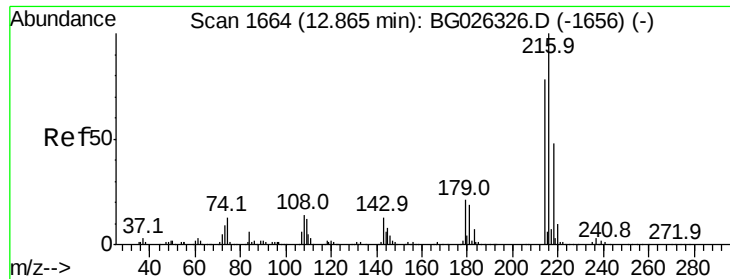
Tot Ion:142 Resp: 793625  
Ion Ratio Lower Upper  
142 100  
141 87.8 70.4 105.6  
115 28.9 35.5 53.3#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:164 Resp: 297290  
Ion Ratio Lower Upper  
164 100  
162 104.3 85.1 127.7  
160 45.1 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.47 ng

RT: 12.86 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

Tot Ion:216 Resp: 370926

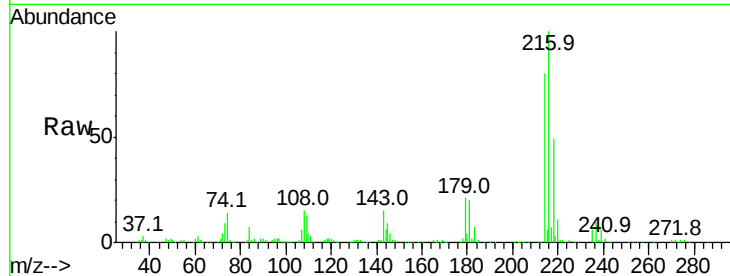
Ion Ratio Lower Upper

216 100

214 79.8 64.4 96.6

179 20.8 17.4 26.0

108 16.6 15.6 23.4

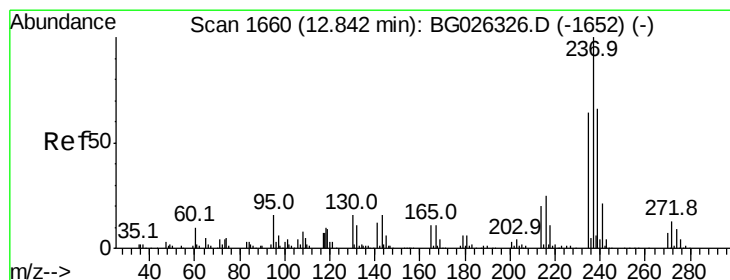
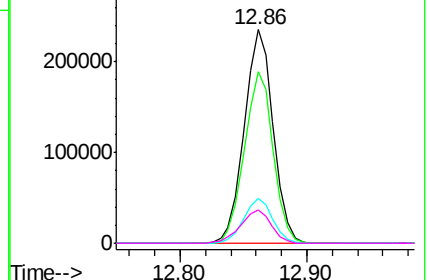
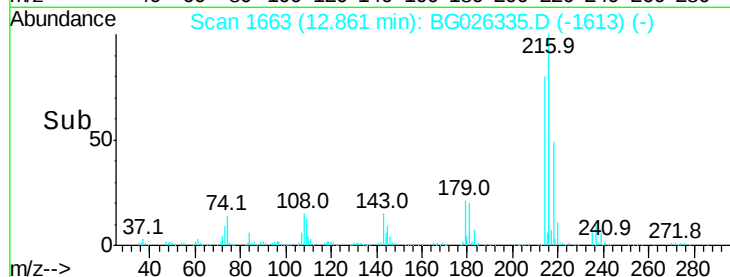


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 41.87 ng

RT: 12.84 min Scan# 1660

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

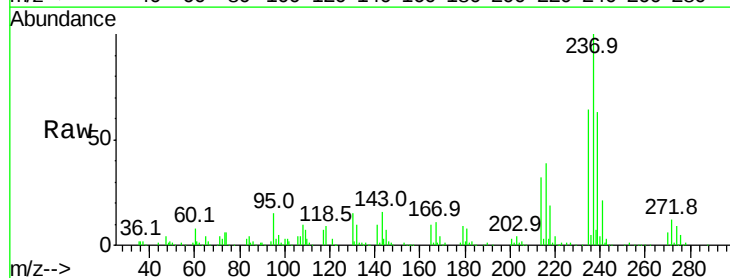
Tgt Ion:237 Resp: 197131

Ion Ratio Lower Upper

237 100

235 63.6 39.4 79.4

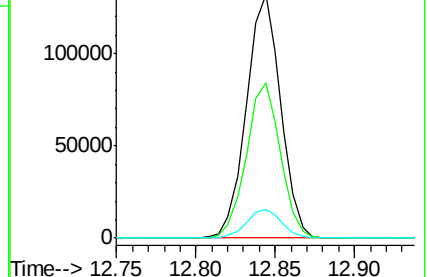
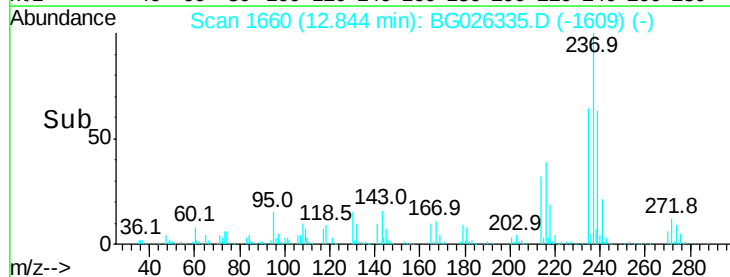
272 11.9 0.0 32.0

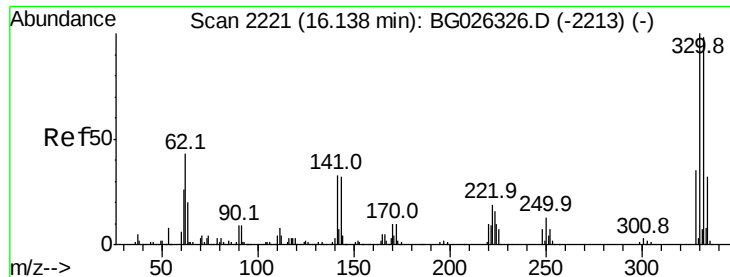


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

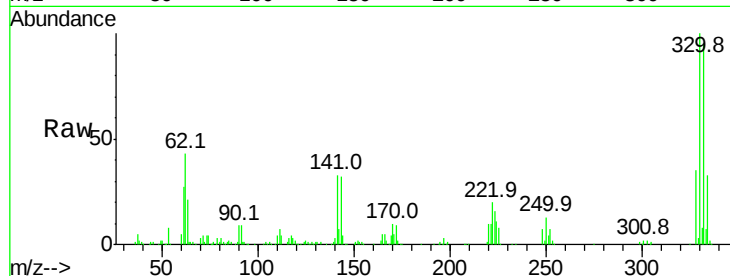




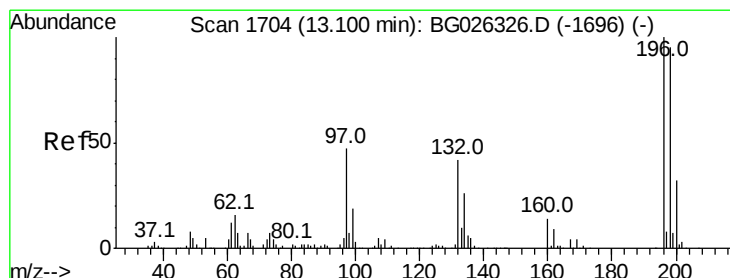
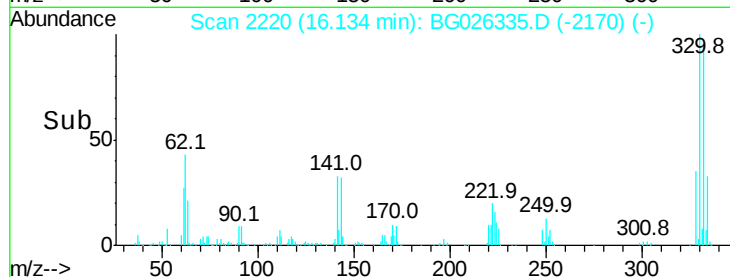
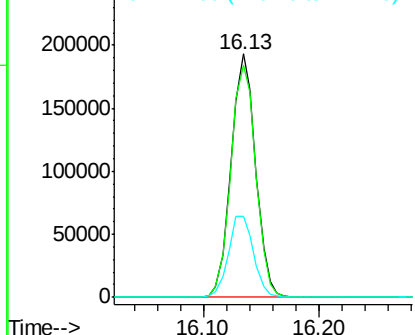
#41  
 2,4,6-Tribromophenol  
 Concen: 83.09 ng  
 RT: 16.13 min Scan# 2220  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Tot Ion:330 Resp: 282864  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 77.3 115.9  
 141 34.4 32.1 48.1

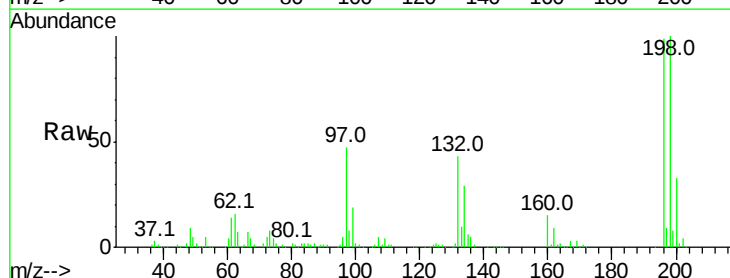


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

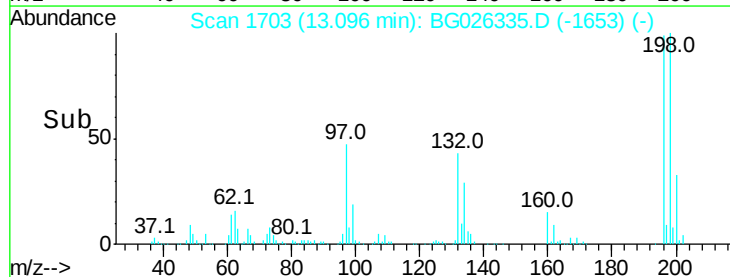
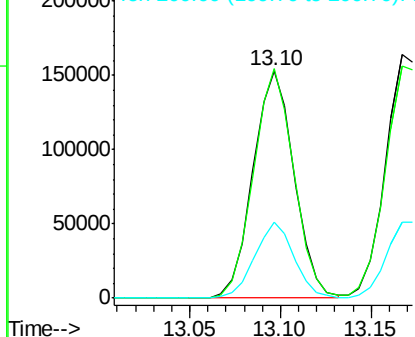


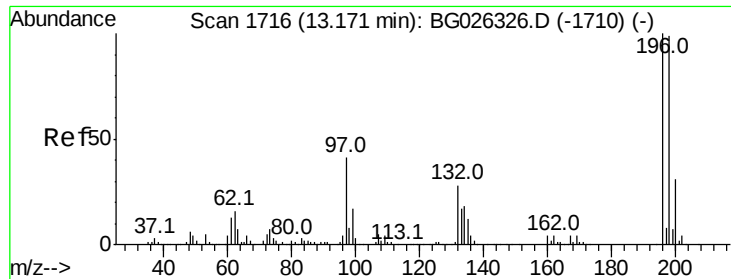
#42  
 2,4,6-Trichlorophenol  
 Concen: 41.04 ng  
 RT: 13.10 min Scan# 1703  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Tgt Ion:196 Resp: 240364  
 Ion Ratio Lower Upper  
 196 100  
 198 101.2 81.4 122.2  
 200 33.3 27.0 40.6



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

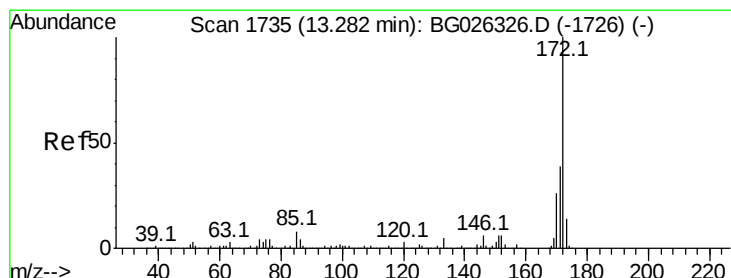
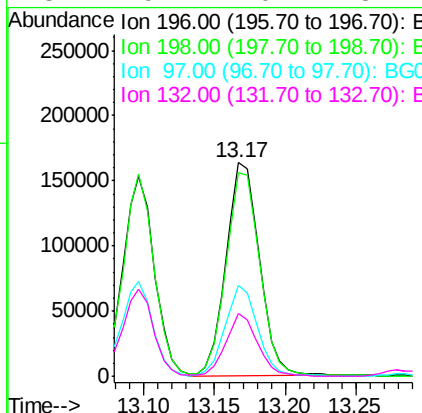
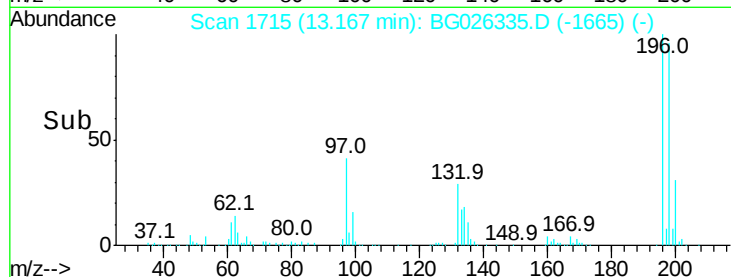
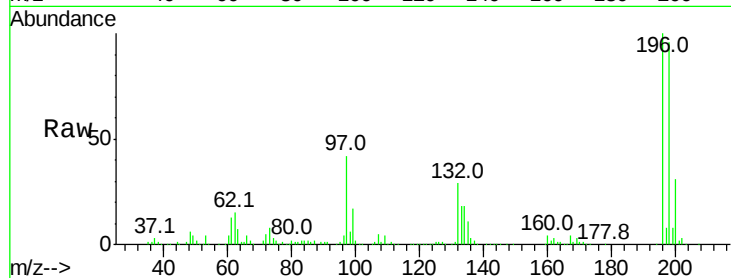




#43  
 2,4,5-Trichlorophenol  
 Concen: 41.65 ng  
 RT: 13.17 min Scan# 1715  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

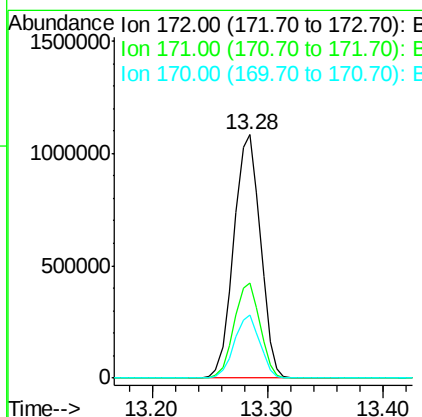
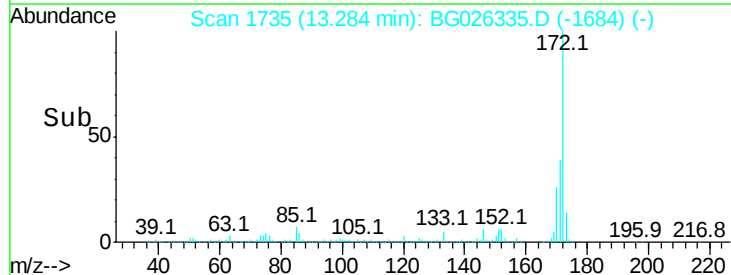
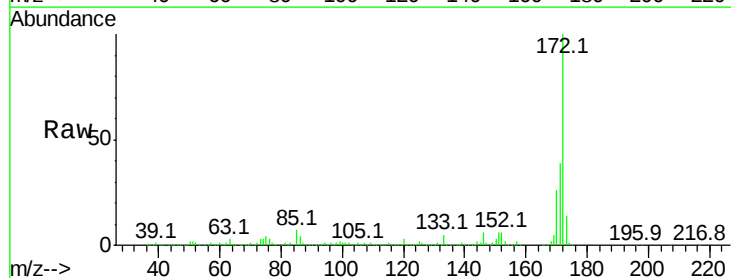
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

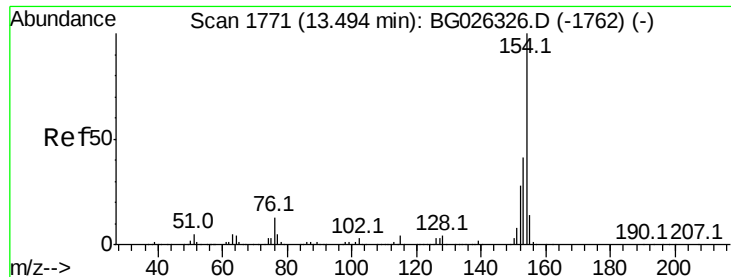
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 269608 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 95.5  | 79.9  | 119.9  |
| 97       | 42.3  | 45.4  | 68.0   |
| 132      | 29.4  | 20.7  | 31.1   |



#44  
 2-Fluorobiphenyl  
 Concen: 81.62 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1730311 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 38.8  | 32.2  | 48.2    |
| 170      | 26.1  | 21.8  | 32.6    |

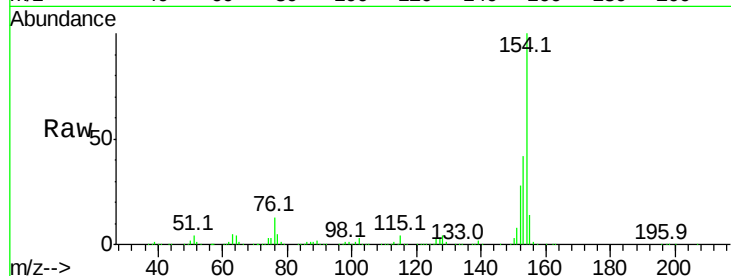




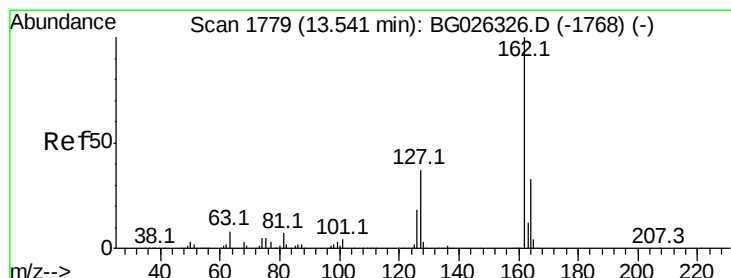
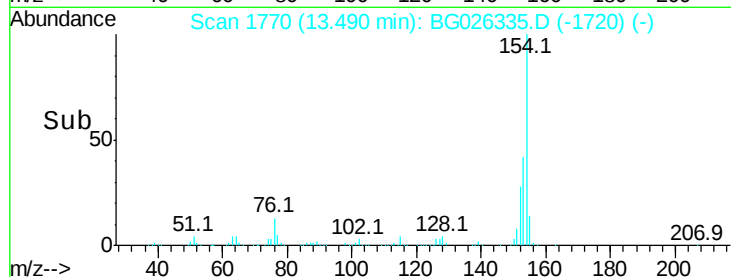
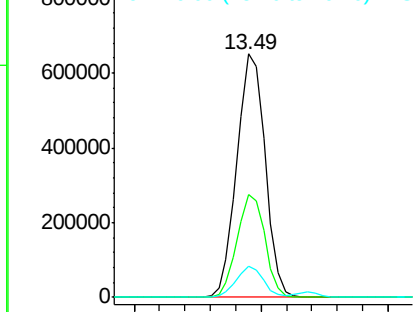
#45  
 1,1'-Biphenyl  
 Concen: 40.85 ng  
 RT: 13.49 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Tot Ion:154 Resp: 1005823  
 Ion Ratio Lower Upper  
 154 100  
 153 42.3 23.0 63.0  
 76 12.6 0.0 33.5

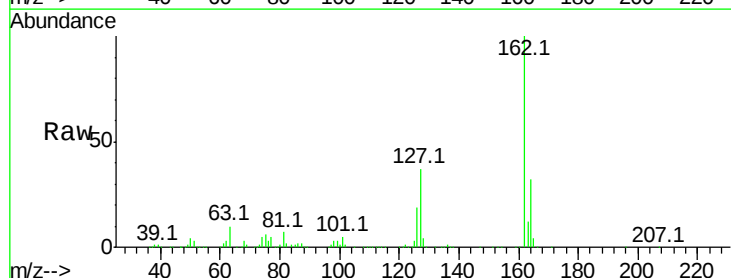


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

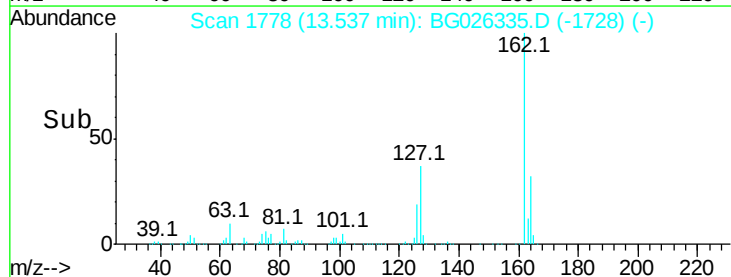
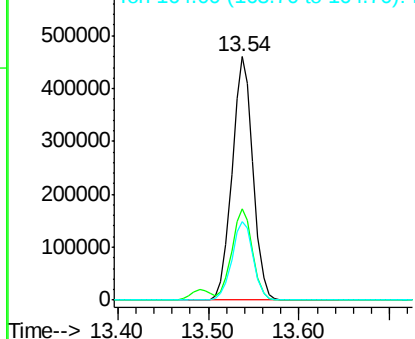


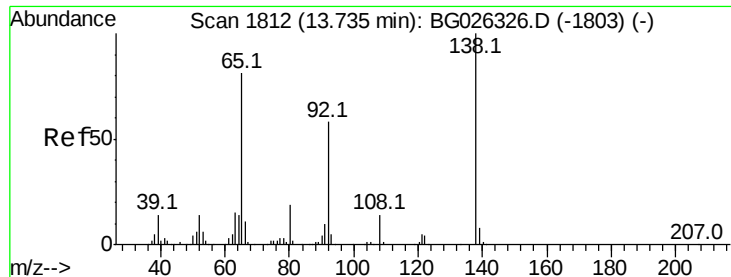
#46  
 2-Chloronaphthalene  
 Concen: 40.72 ng  
 RT: 13.54 min Scan# 1778  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Tgt Ion:162 Resp: 732249  
 Ion Ratio Lower Upper  
 162 100  
 127 37.2 32.2 48.4  
 164 32.4 27.3 40.9



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





#47

2-Nitroaniline

Concen: 41.26 ng

RT: 13.73 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

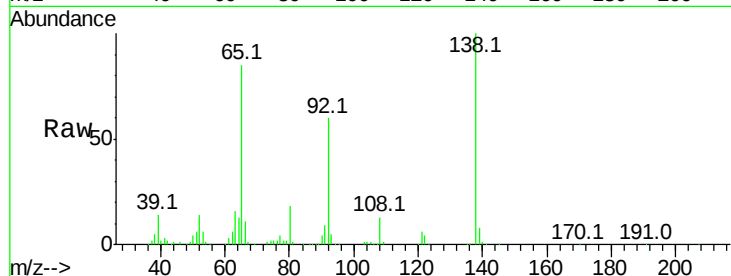
Tot Ion: 65 Resp: 210977

Ion Ratio Lower Upper

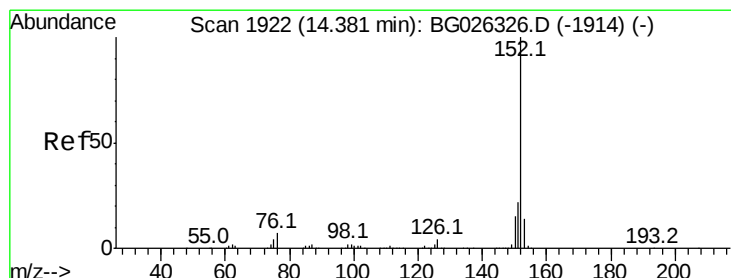
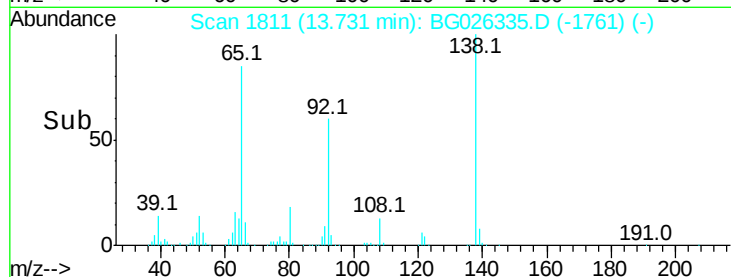
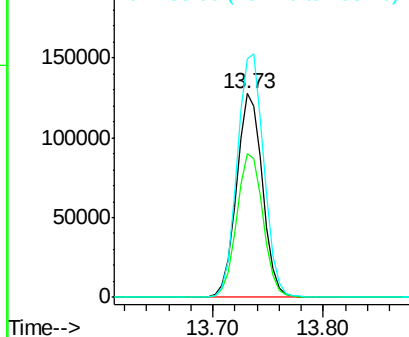
65 100

92 70.3 49.0 73.4

138 117.2 58.6 87.8#



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): BGC



#48

Acenaphthylene

Concen: 40.86 ng

RT: 14.38 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

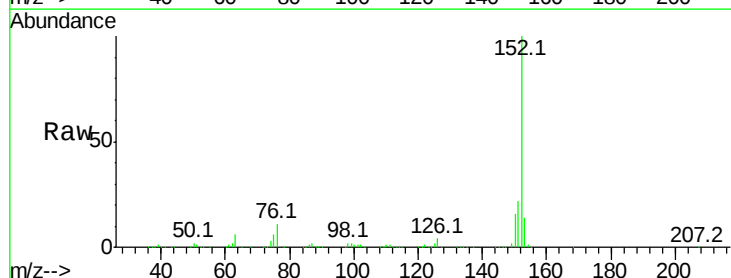
Tgt Ion: 152 Resp: 1280806

Ion Ratio Lower Upper

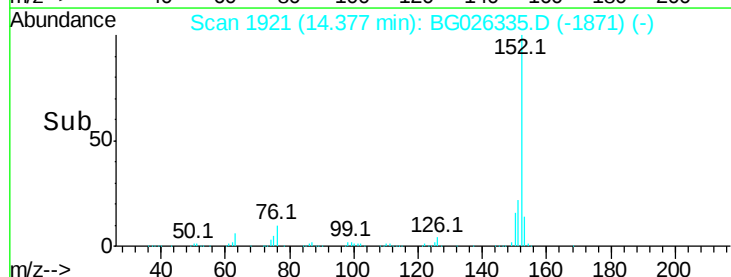
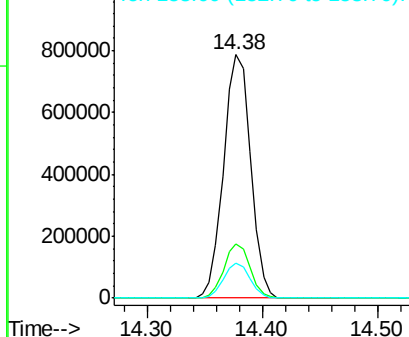
152 100

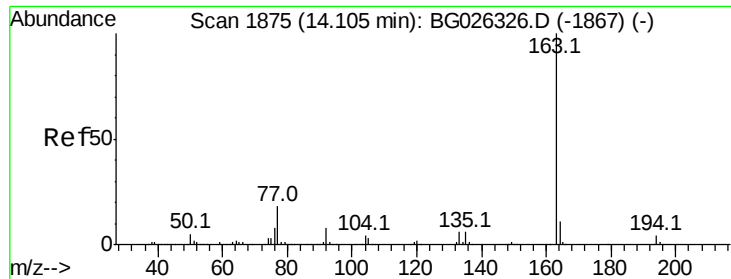
151 22.4 18.2 27.2

153 14.3 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): BGC  
Ion 151.00 (150.70 to 151.70): BGC  
Ion 153.00 (152.70 to 153.70): BGC

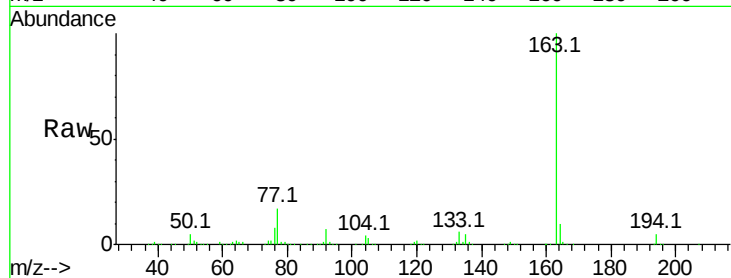




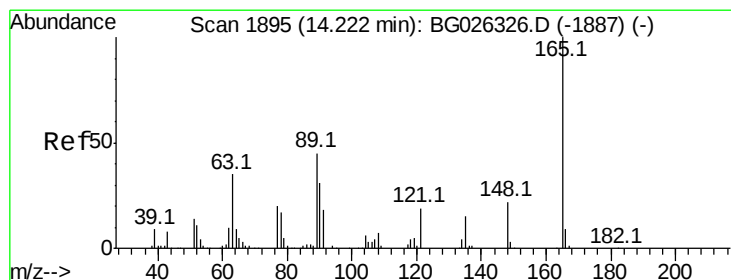
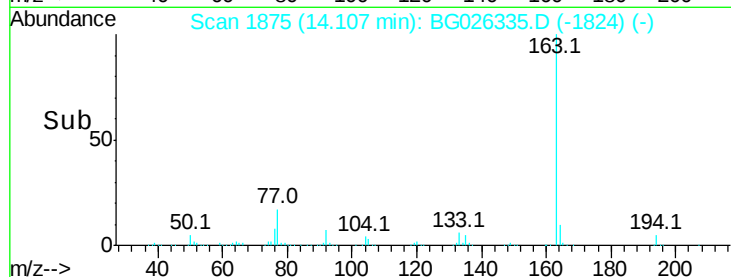
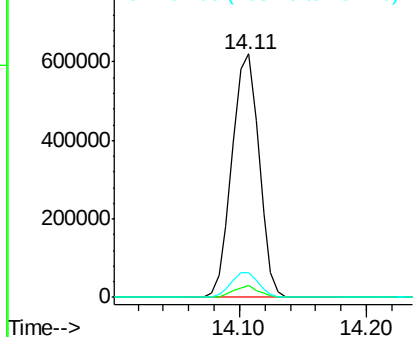
#49  
Dimethylphthalate  
Concen: 40.83 ng  
RT: 14.11 min Scan# 1875  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:163 Resp: 916241  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.8 5.6  
164 10.3 9.3 13.9

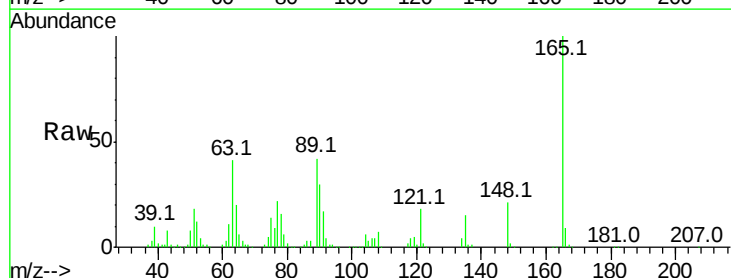


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

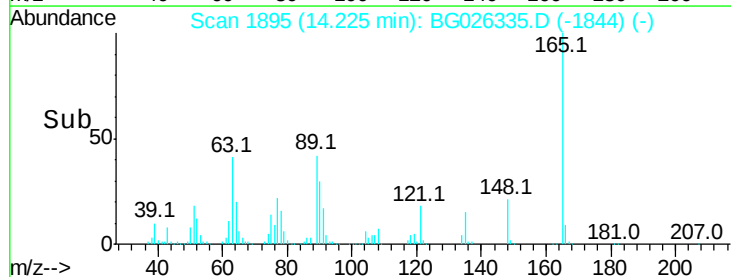
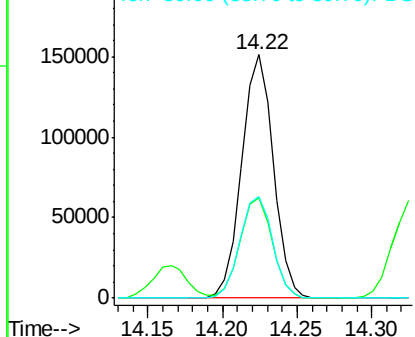


#50  
2,6-Dinitrotoluene  
Concen: 42.25 ng  
RT: 14.22 min Scan# 1895  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:165 Resp: 221272  
Ion Ratio Lower Upper  
165 100  
63 41.4 63.9 95.9#  
89 41.9 58.6 88.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG0  
Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 40.61 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

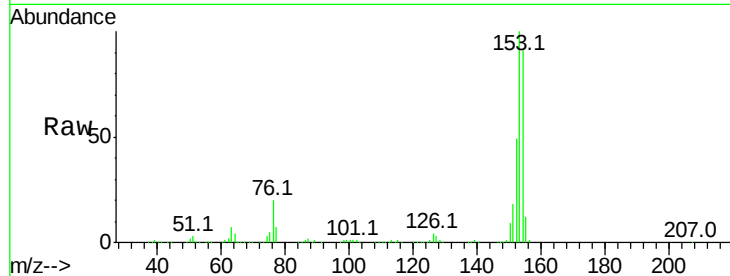
Tot Ion:154 Resp: 783818

Ion Ratio Lower Upper

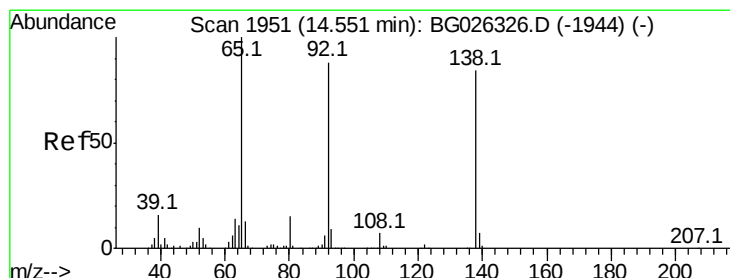
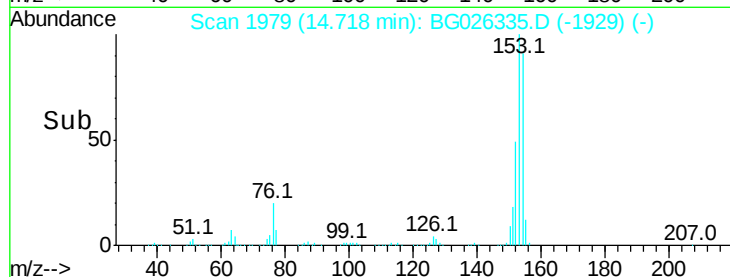
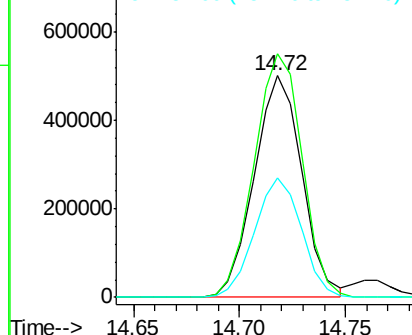
154 100

153 110.1 87.8 131.6

152 53.8 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 42.16 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

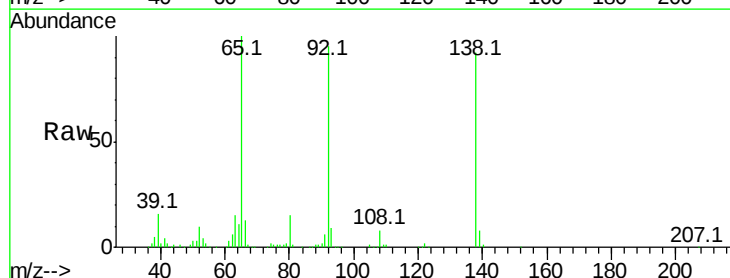
Tgt Ion:138 Resp: 243113

Ion Ratio Lower Upper

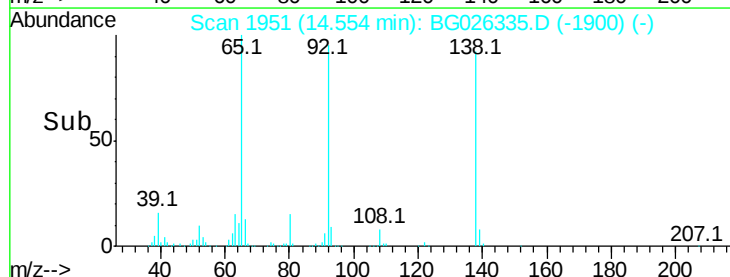
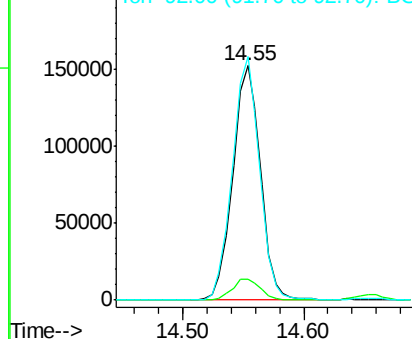
138 100

108 9.2 10.9 16.3#

92 103.9 115.3 172.9#



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): BG

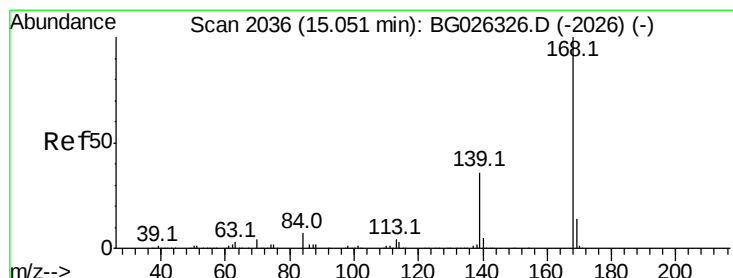
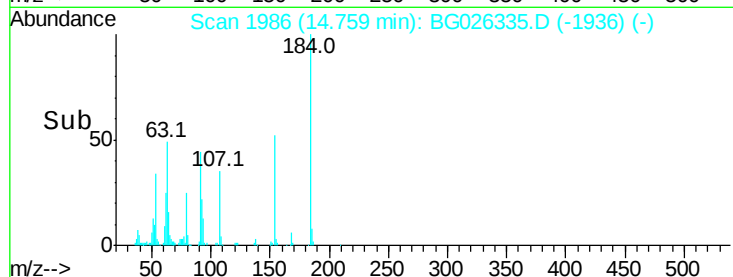
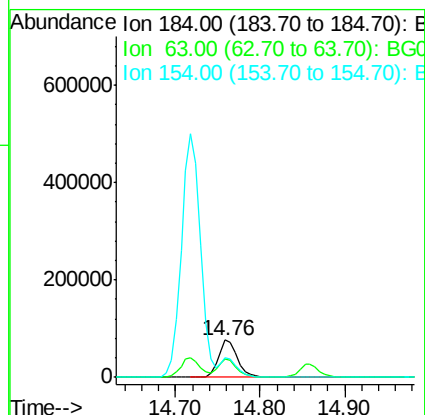
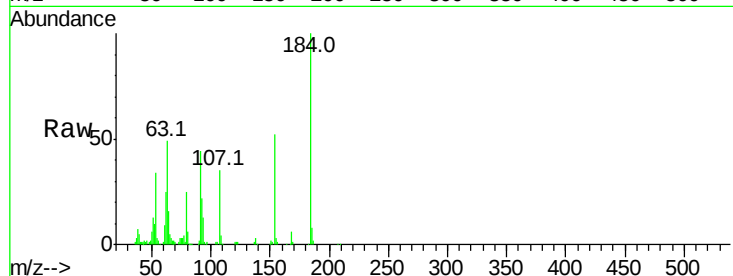




#53  
2,4-Dinitrophenol  
Concen: 41.18 ng  
RT: 14.76 min Scan# 1986  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

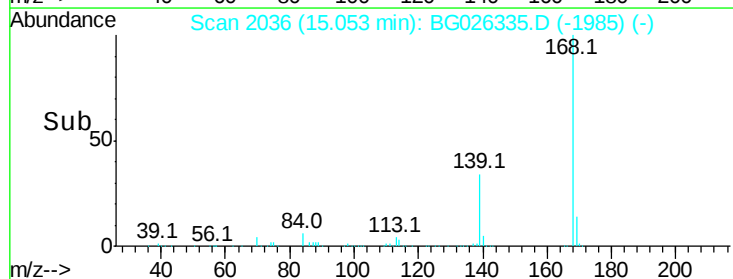
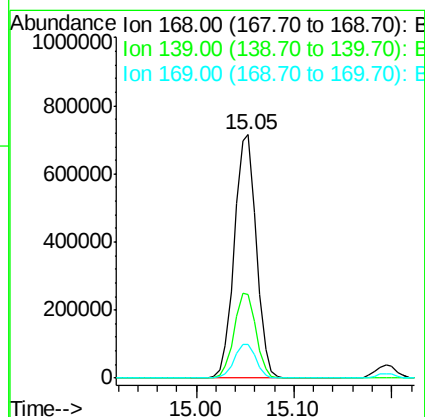
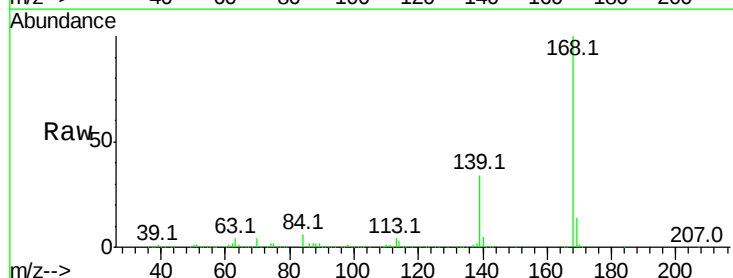
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tot Ion:184 Resp: 125099  
Ion Ratio Lower Upper  
184 100  
63 49.4 52.7 79.1#  
154 51.6 57.3 85.9#



#54  
Dibenzofuran  
Concen: 40.74 ng  
RT: 15.05 min Scan# 2036  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:168 Resp: 1107235  
Ion Ratio Lower Upper  
168 100  
139 34.3 35.3 52.9#  
169 13.8 11.5 17.3





#55

4-Nitrophenol

Concen: 42.22 ng

RT: 14.86 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

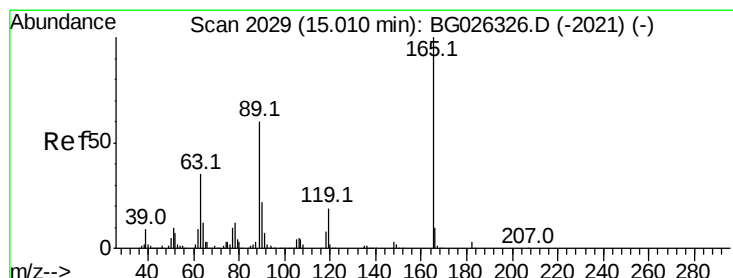
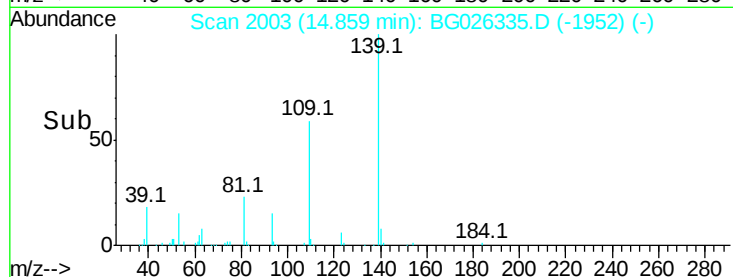
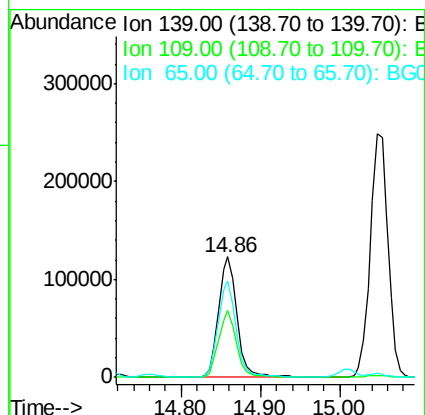
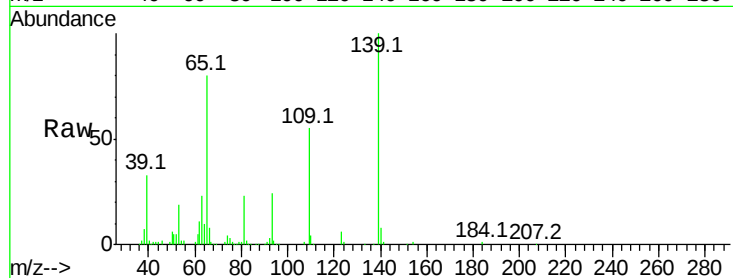
Tot Ion:139 Resp: 199343

Ion Ratio Lower Upper

139 100

109 55.4 101.2 141.2#

65 80.1 135.3 175.3#



#56

2,4-Dinitrotoluene

Concen: 41.77 ng

RT: 15.01 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Tgt Ion:165 Resp: 307650

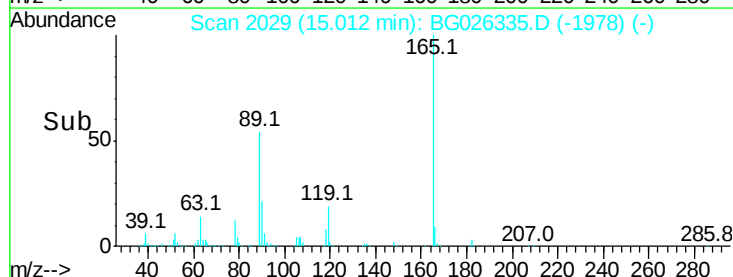
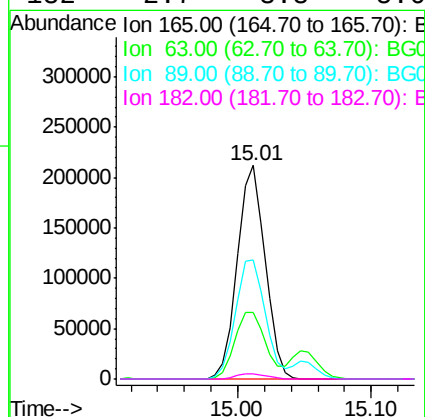
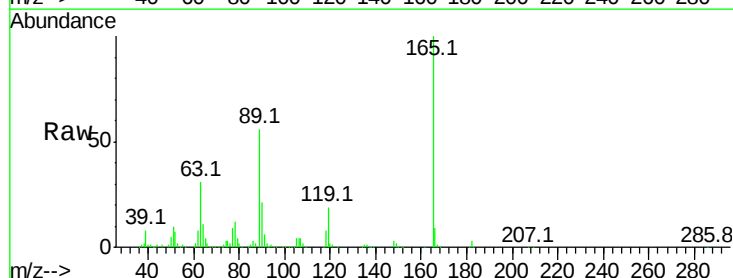
Ion Ratio Lower Upper

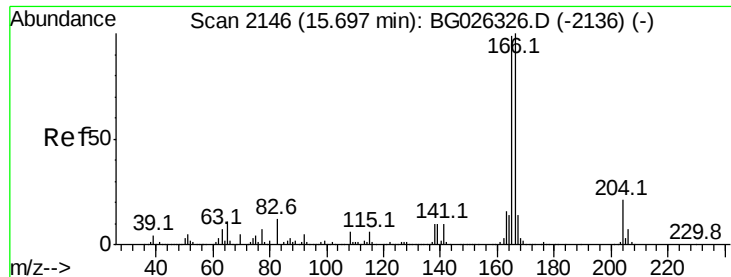
165 100

63 31.4 44.0 66.0#

89 55.6 67.3 100.9#

182 2.7 3.8 5.6#

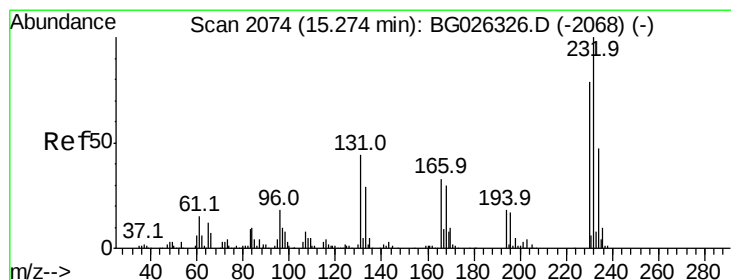
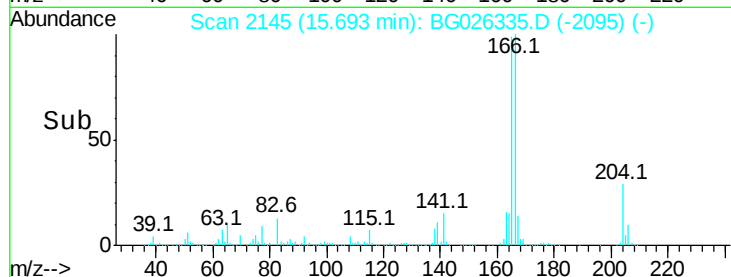
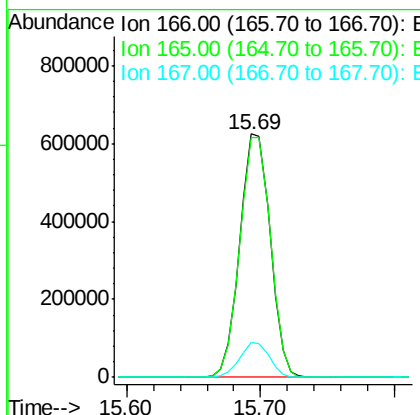
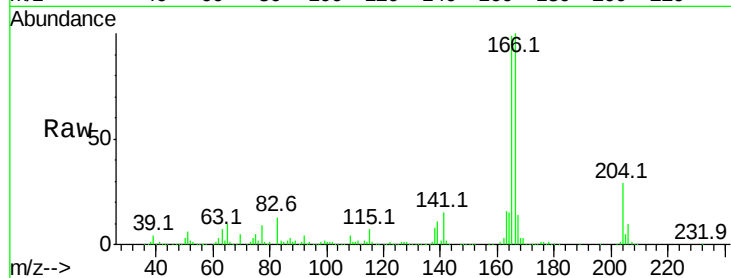




#57  
Fluorene  
Concen: 40.64 ng  
RT: 15.69 min Scan# 2145  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

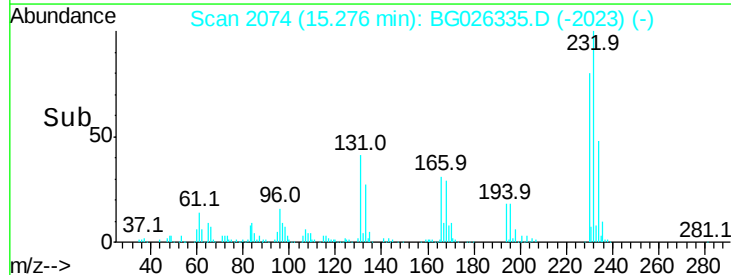
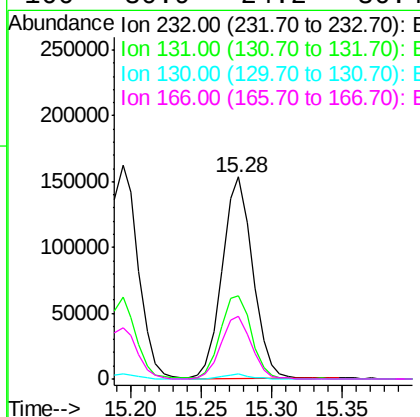
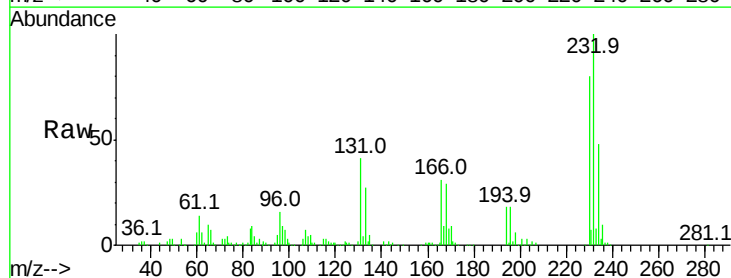
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

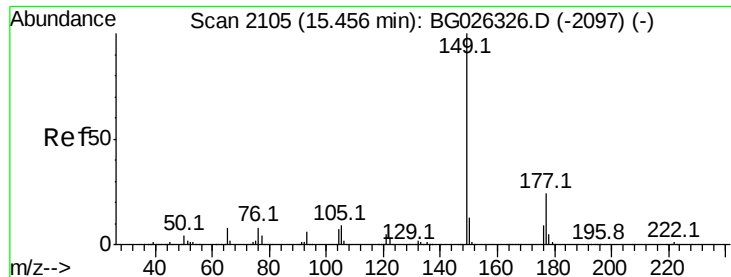
Tot Ion:166 Resp: 982838  
Ion Ratio Lower Upper  
166 100  
165 98.7 78.6 117.8  
167 14.4 11.6 17.4



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 40.84 ng  
RT: 15.28 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:232 Resp: 230591  
Ion Ratio Lower Upper  
232 100  
131 41.6 34.9 52.3  
130 2.2 2.3 3.5#  
166 30.9 24.2 36.4

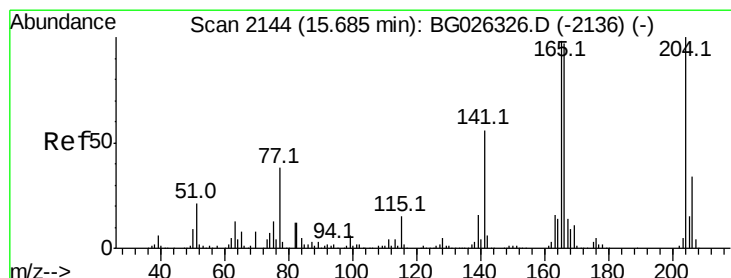
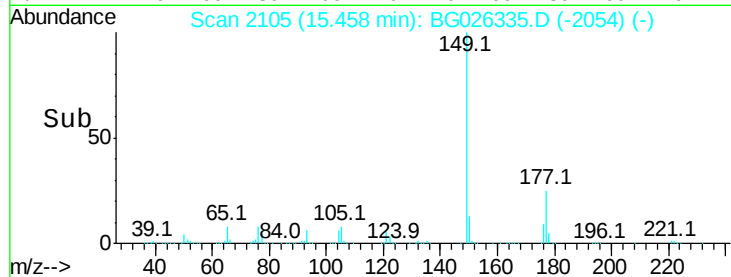
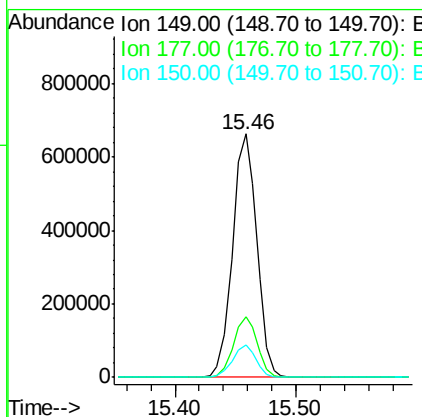
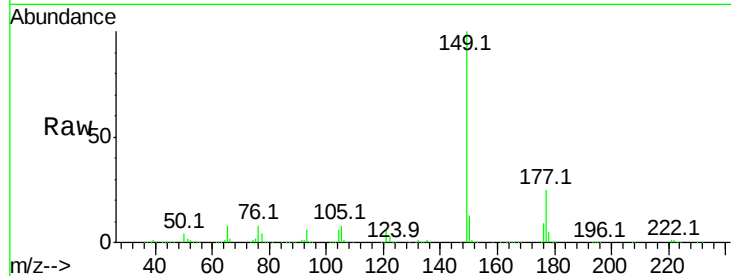




#59  
Diethylphthalate  
Concen: 40.35 ng  
RT: 15.46 min Scan# 2105  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

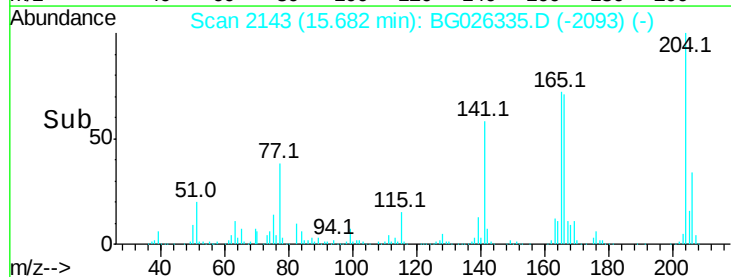
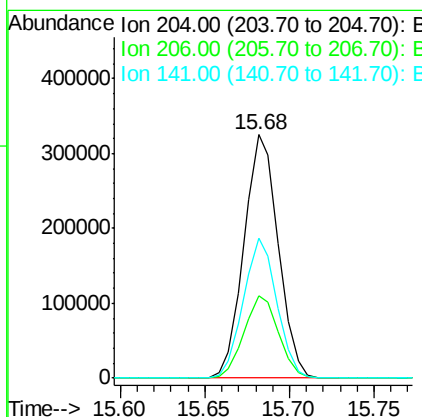
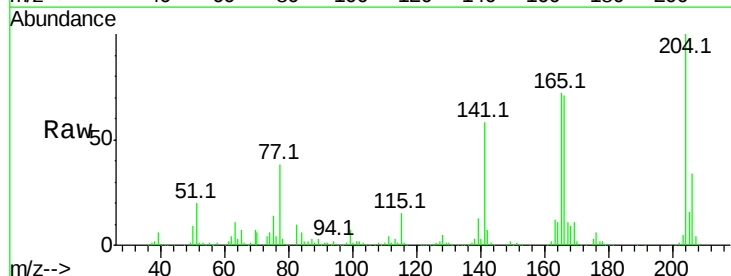
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

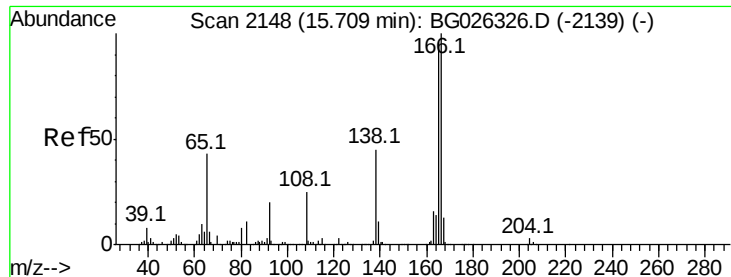
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.9  | 20.1  | 30.1  |
| 150     | 13.3  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 40.09 ng  
RT: 15.68 min Scan# 2143  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.8  | 30.1  | 45.1  |
| 141     | 57.7  | 50.6  | 76.0  |





#61

4-Nitroaniline

Concen: 41.97 ng

RT: 15.71 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

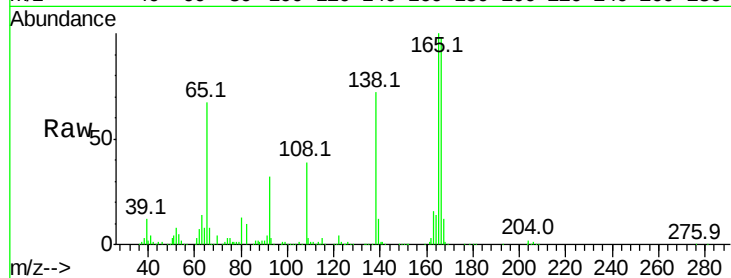
Tot Ion:138 Resp: 256030

Ion Ratio Lower Upper

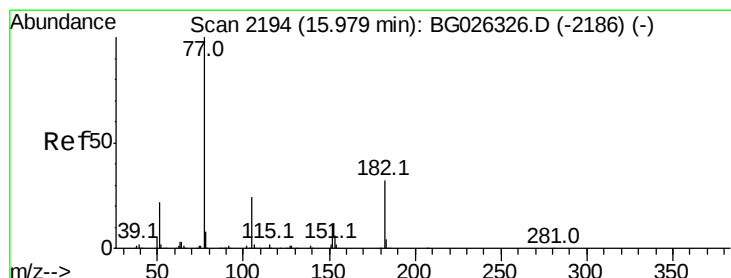
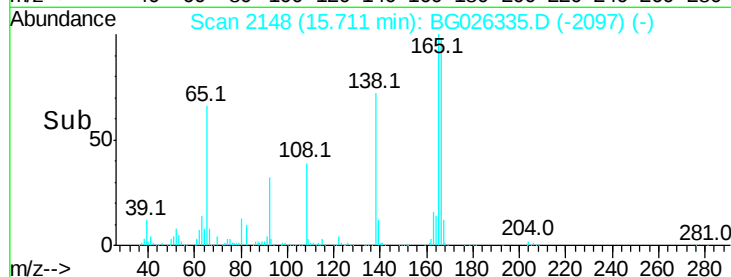
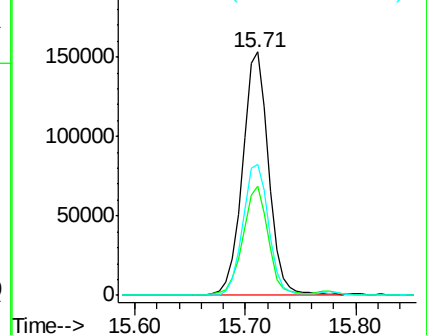
138 100

92 44.8 44.2 84.2

108 53.9 104.8 144.8#



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 39.99 ng

RT: 15.98 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Tgt Ion: 77 Resp: 745709

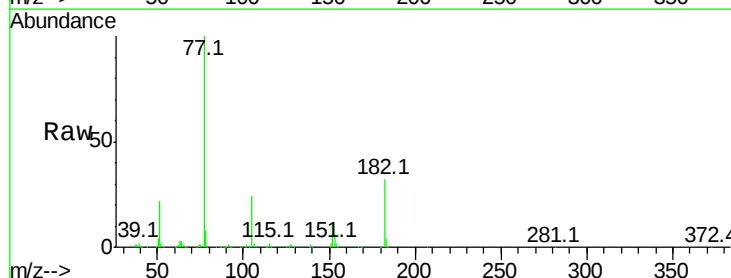
Ion Ratio Lower Upper

77 100

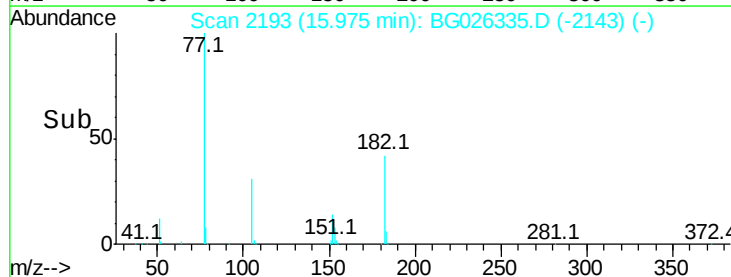
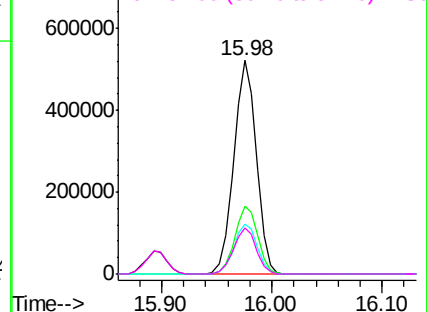
182 31.6 4.7 44.7

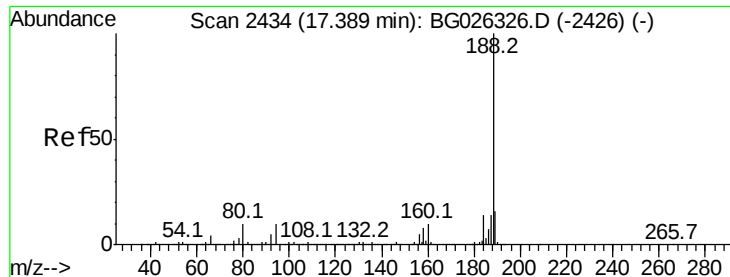
105 23.6 0.0 36.3

51 21.6 16.4 56.4



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.39 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

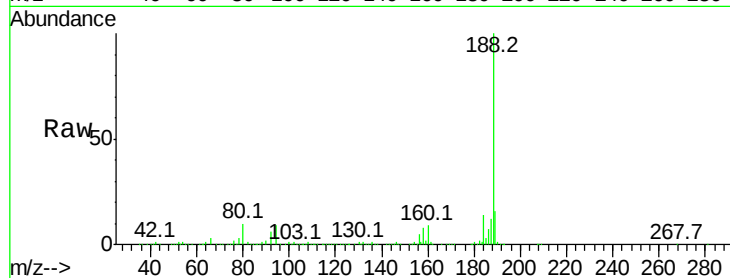
Tot Ion:188 Resp: 700418

Ion Ratio Lower Upper

188 100

94 9.3 5.8 8.8#

80 9.8 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.39

600000

500000

400000

300000

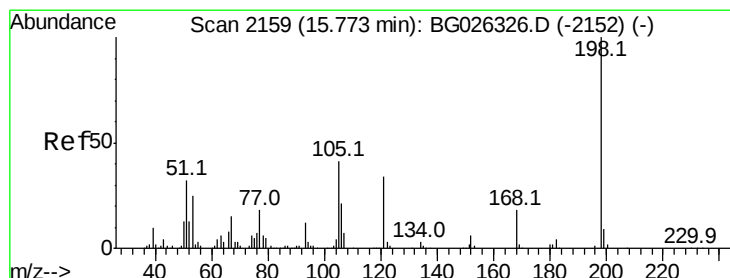
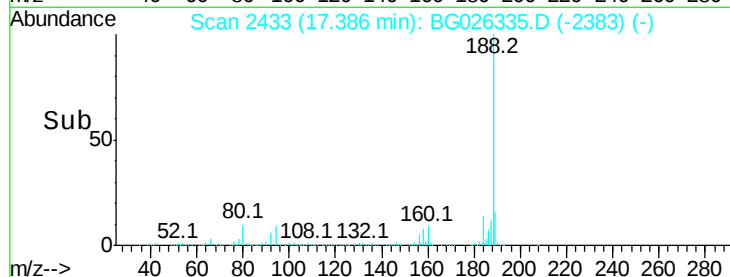
200000

100000

0

17.30 17.40 17.50

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 42.27 ng

RT: 15.78 min Scan# 2159

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

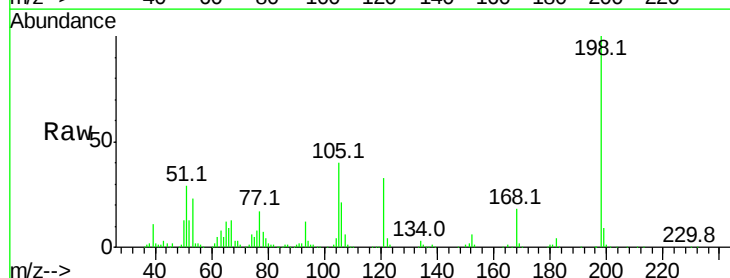
Tgt Ion:198 Resp: 186673

Ion Ratio Lower Upper

198 100

51 29.0 22.6 62.6

105 39.8 14.4 54.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

15.78

150000

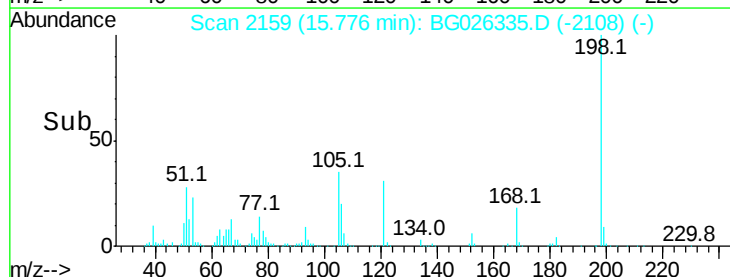
100000

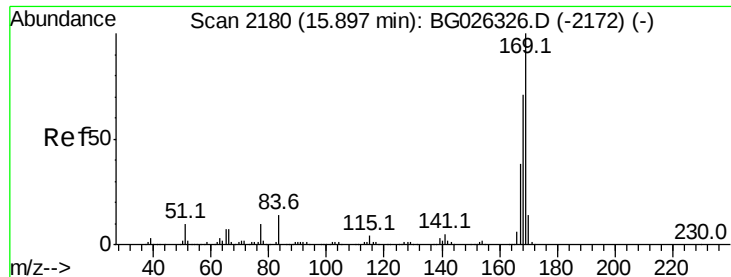
50000

0

15.70 15.80 15.90

Time-->

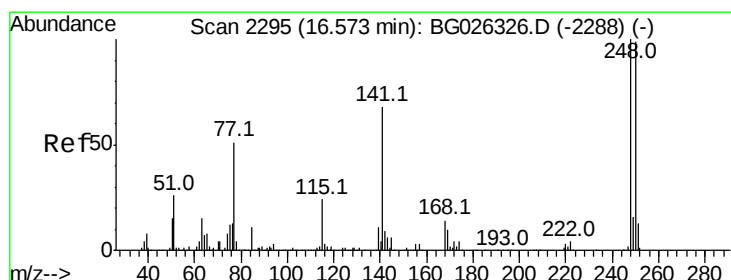
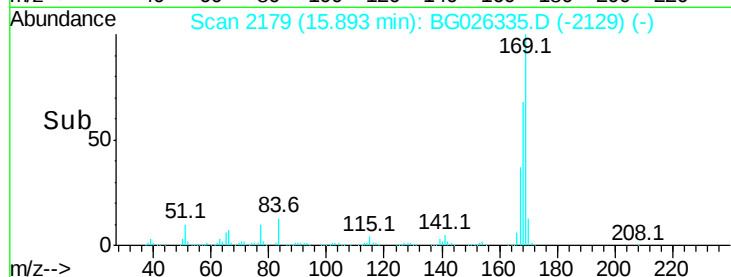
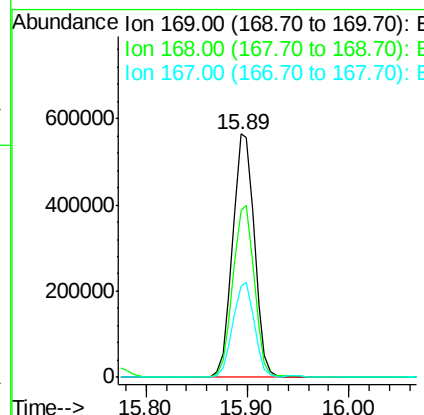
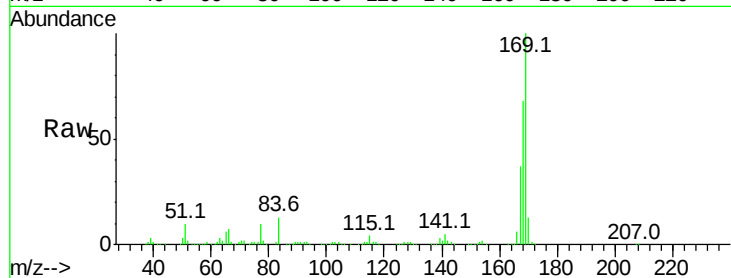




#65  
n-Nitrosodiphenylamine  
Concen: 40.92 ng  
RT: 15.89 min Scan# 2179  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

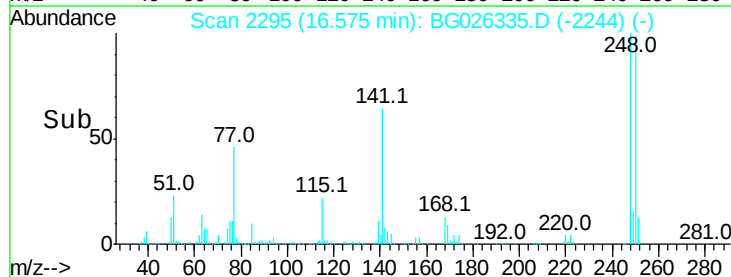
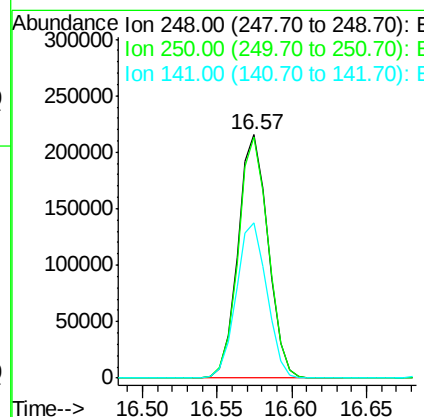
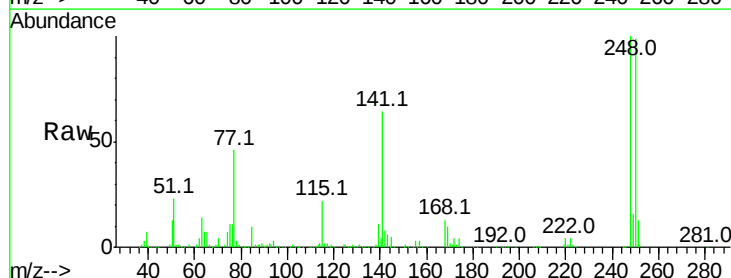
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

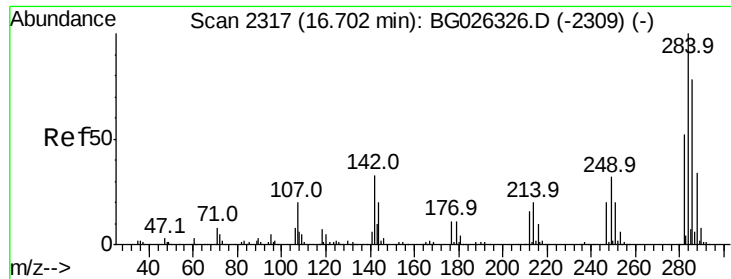
Tot Ion:169 Resp: 841083  
Ion Ratio Lower Upper  
169 100  
168 68.4 55.7 83.5  
167 37.3 29.8 44.6



#66  
4-Bromophenyl-phenylether  
Concen: 42.01 ng  
RT: 16.57 min Scan# 2295  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:248 Resp: 302852  
Ion Ratio Lower Upper  
248 100  
250 99.3 75.0 112.6  
141 63.9 55.2 82.8





#67

Hexachlorobenzene

Concen: 41.40 ng

RT: 16.70 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

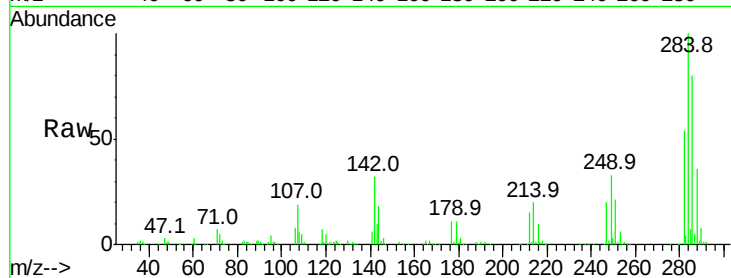
Tot Ion:284 Resp: 318413

Ion Ratio Lower Upper

284 100

142 32.3 29.9 44.9

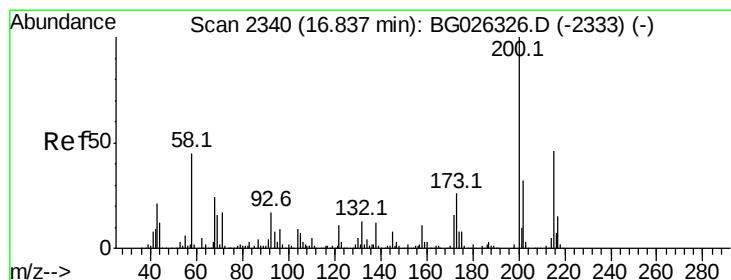
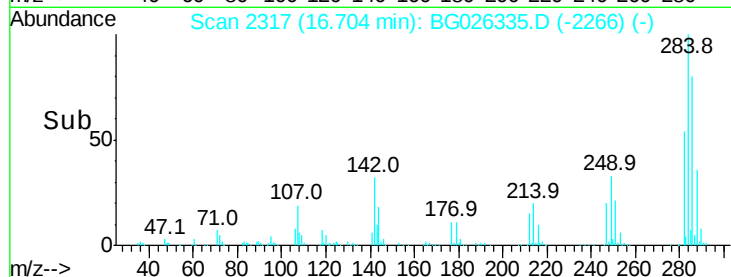
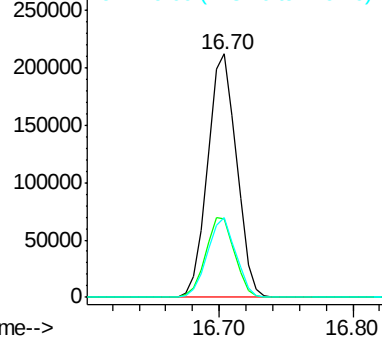
249 32.6 29.2 43.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 40.98 ng

RT: 16.84 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

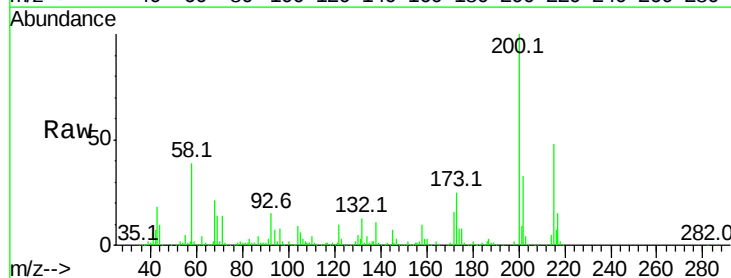
Tgt Ion:200 Resp: 318909

Ion Ratio Lower Upper

200 100

173 25.1 3.0 43.0

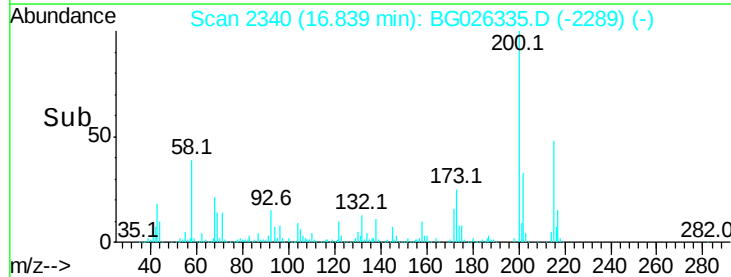
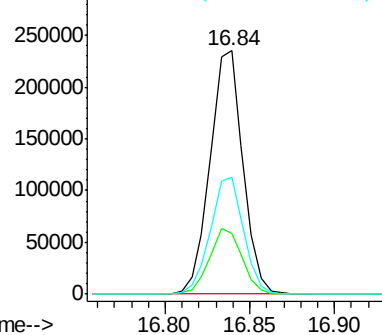
215 48.0 28.4 68.4

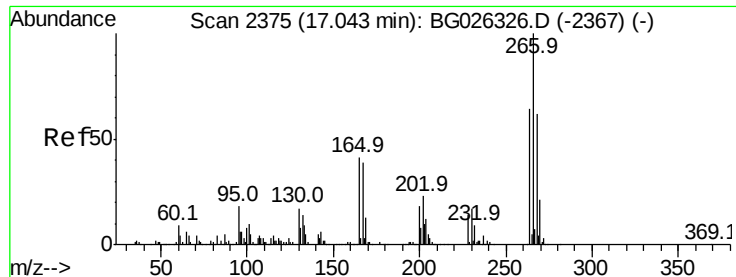


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

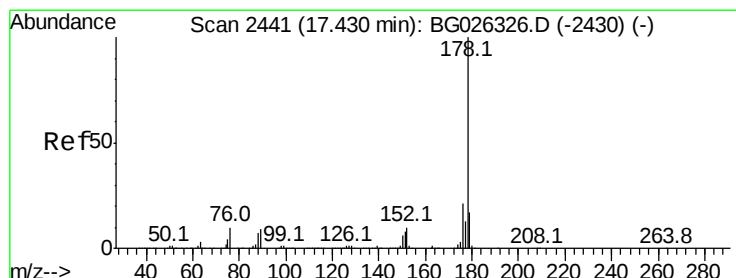
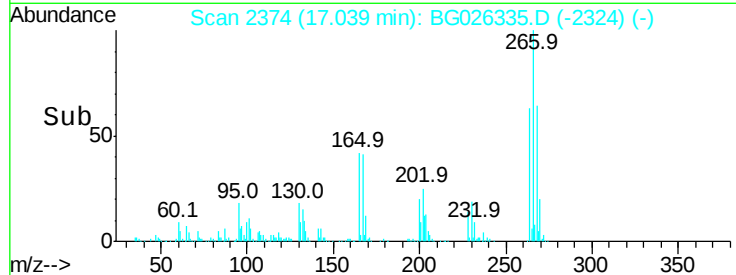
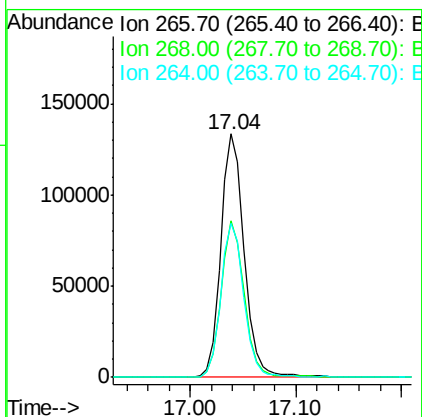
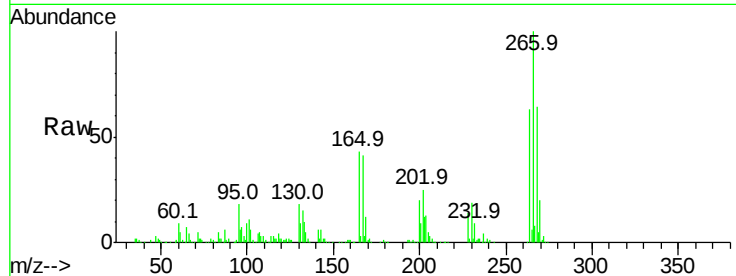




#69  
 Pentachlorophenol  
 Concen: 40.97 ng  
 RT: 17.04 min Scan# 2374  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

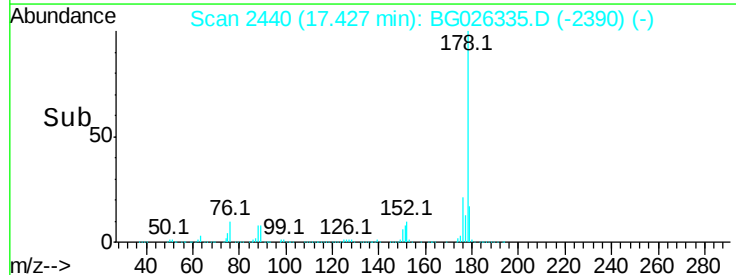
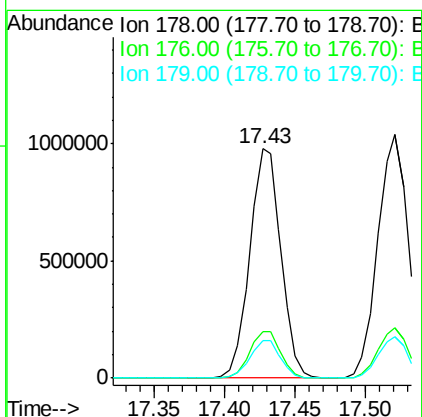
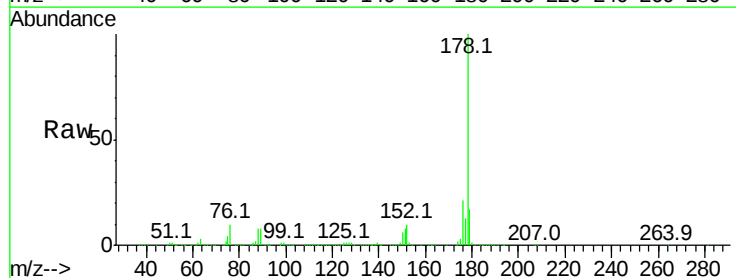
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.3  | 48.6  | 72.8  |
| 264     | 63.4  | 50.1  | 75.1  |



#70  
 Phenanthrene  
 Concen: 40.31 ng  
 RT: 17.43 min Scan# 2440  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.5  | 17.7  | 26.5  |
| 179     | 16.6  | 15.0  | 22.6  |

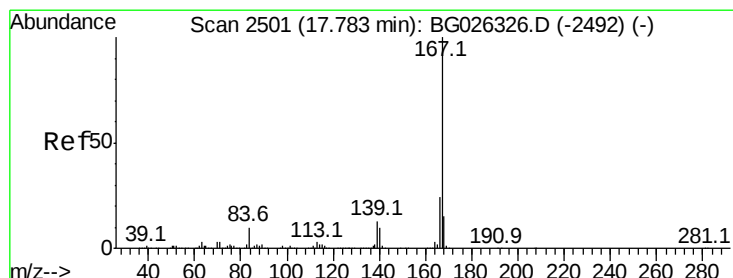
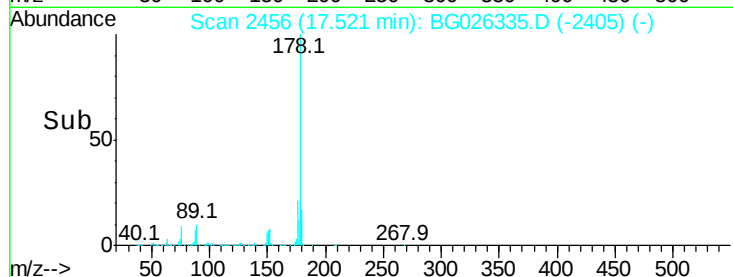
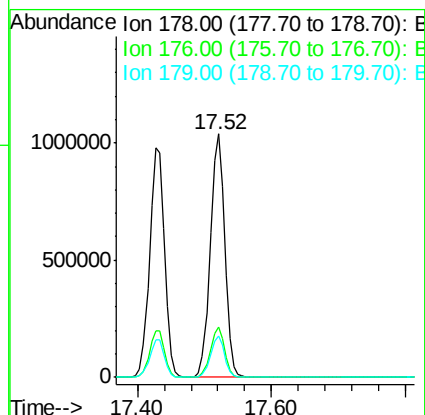
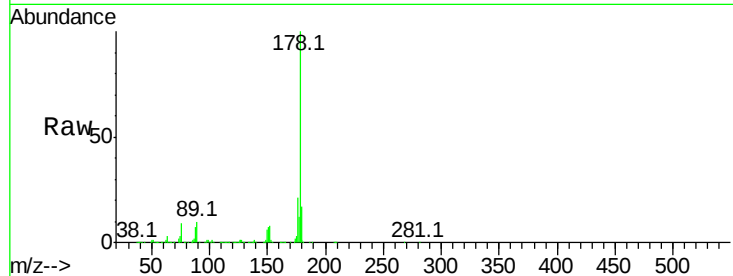




#71  
 Anthracene  
 Concen: 41.00 ng  
 RT: 17.52 min Scan# 2456  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

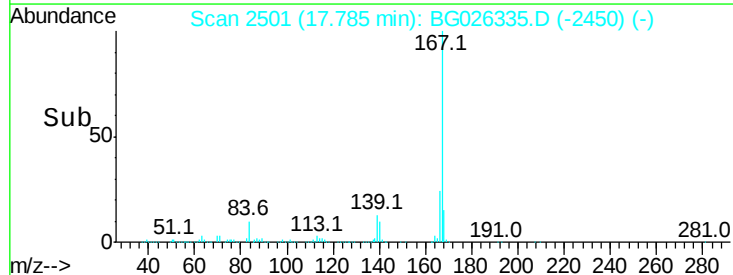
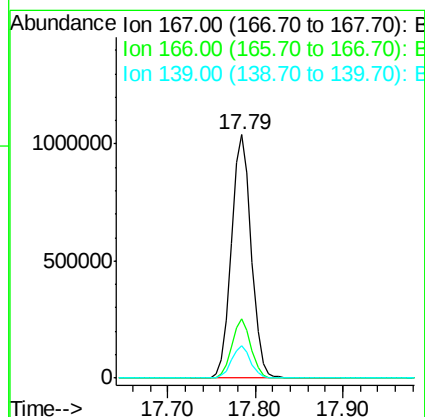
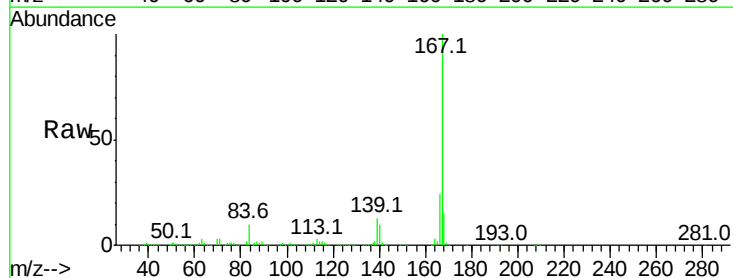
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

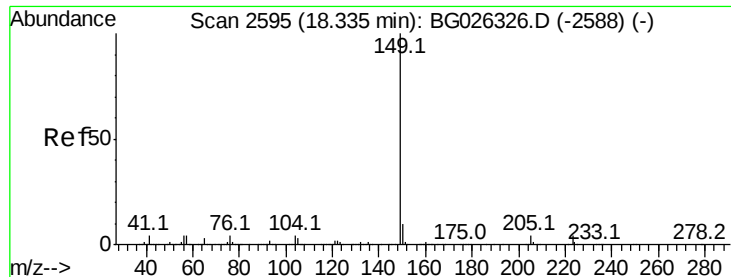
Tot Ion:178 Resp: 1573459  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 16.4 24.6  
 179 17.0 13.8 20.8



#72  
 Carbazole  
 Concen: 40.72 ng  
 RT: 17.79 min Scan# 2501  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Tgt Ion:167 Resp: 1608895  
 Ion Ratio Lower Upper  
 167 100  
 166 24.4 20.2 30.2  
 139 13.2 12.8 19.2

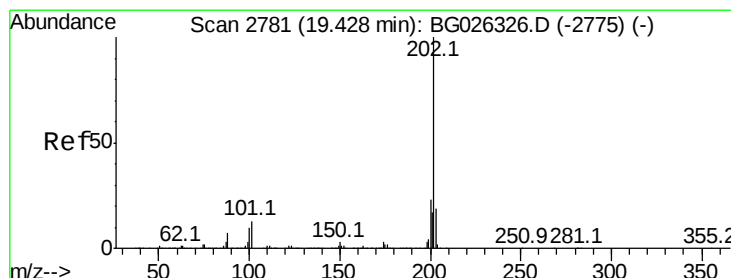
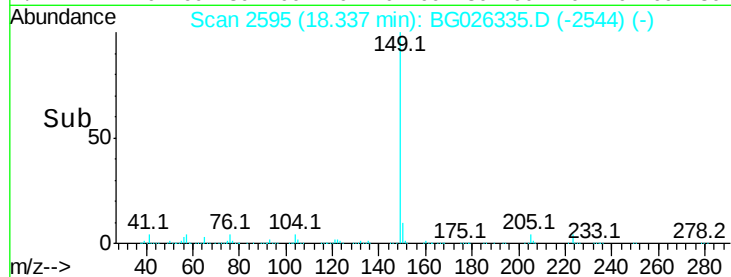
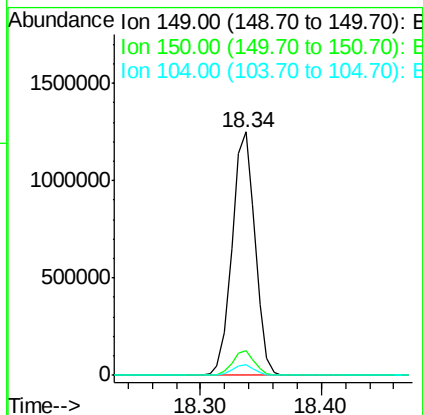
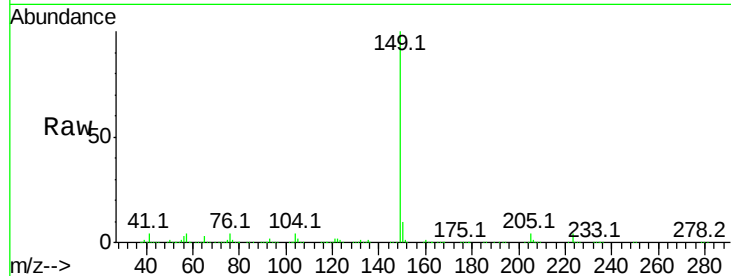




#73  
Di-n-butylphthalate  
Concen: 40.65 ng  
RT: 18.34 min Scan# 2595  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

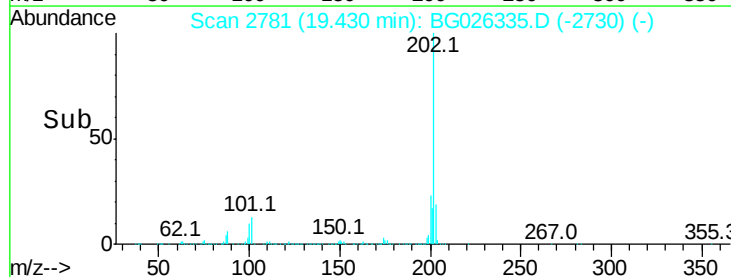
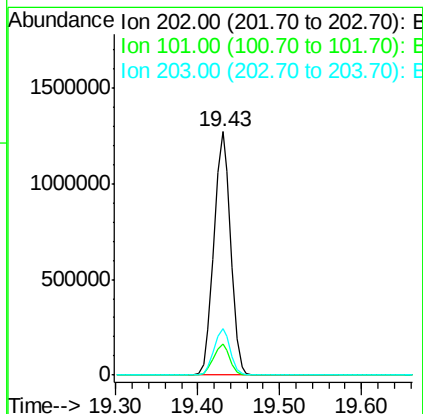
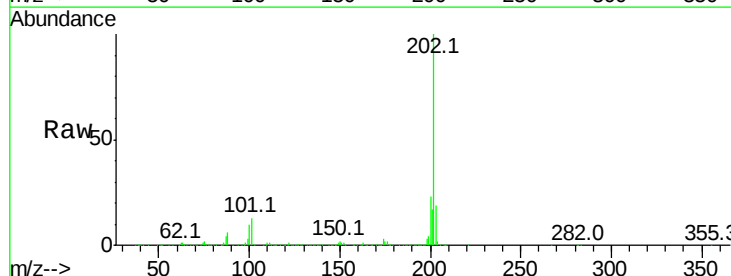
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

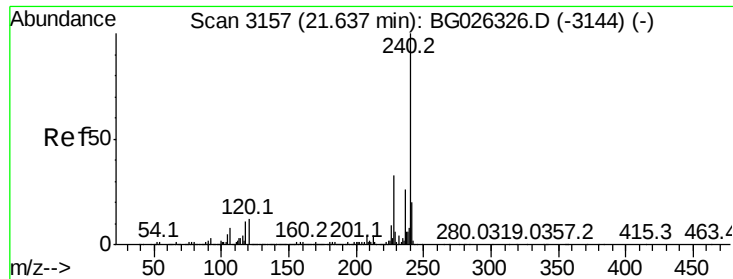
Tot Ion:149 Resp: 1650124  
Ion Ratio Lower Upper  
149 100  
150 10.2 9.1 13.7  
104 4.4 6.7 10.1#



#74  
Fluoranthene  
Concen: 40.80 ng  
RT: 19.43 min Scan# 2781  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:202 Resp: 1804420  
Ion Ratio Lower Upper  
202 100  
101 12.6 0.0 30.1  
203 19.2 1.3 41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

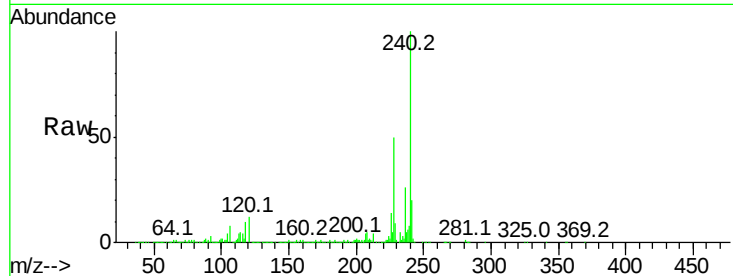
Tot Ion:240 Resp: 788415

Ion Ratio Lower Upper

240 100

120 11.8 5.7 8.5#

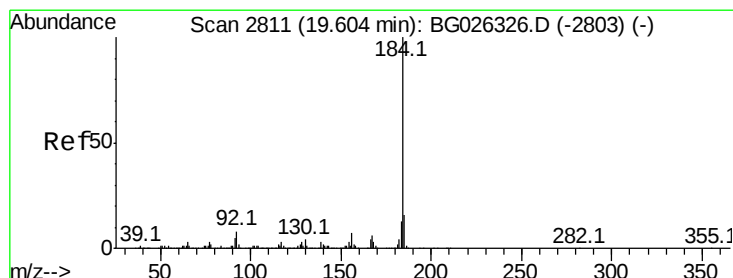
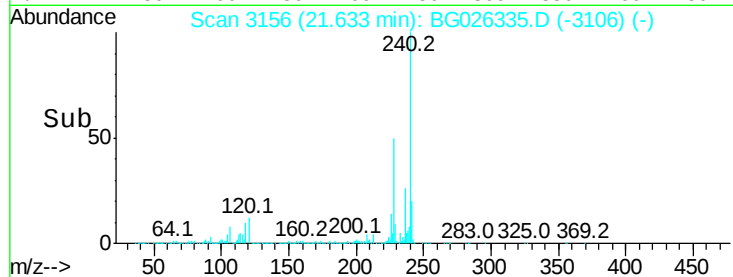
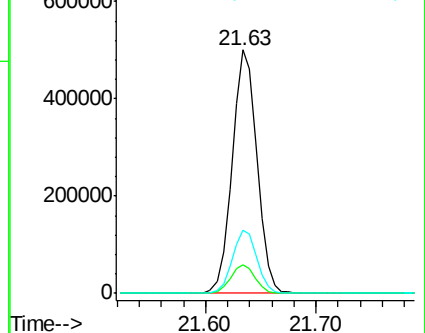
236 25.8 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 40.31 ng

RT: 19.60 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

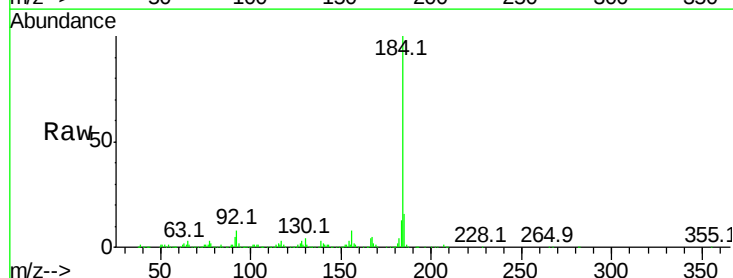
Tgt Ion:184 Resp: 1095734

Ion Ratio Lower Upper

184 100

185 16.3 13.0 19.6

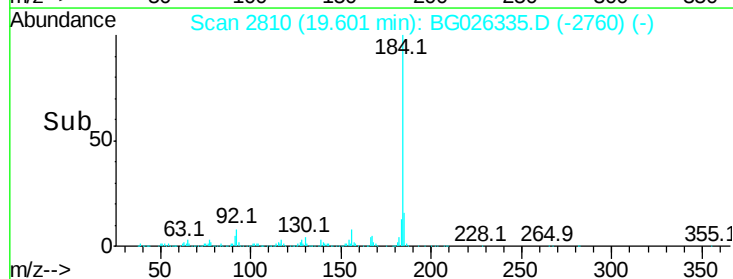
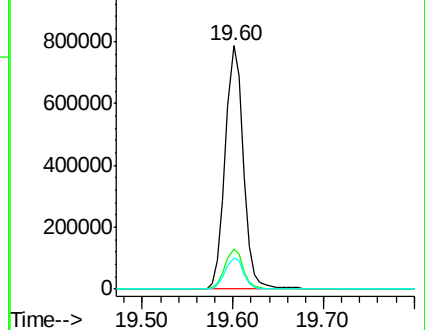
183 13.0 11.0 16.6

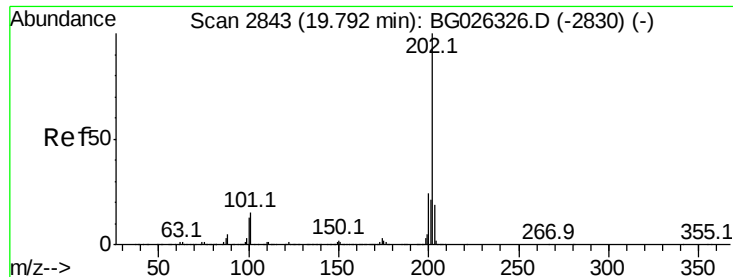


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

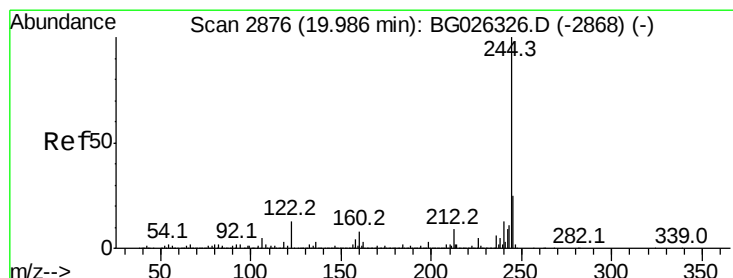
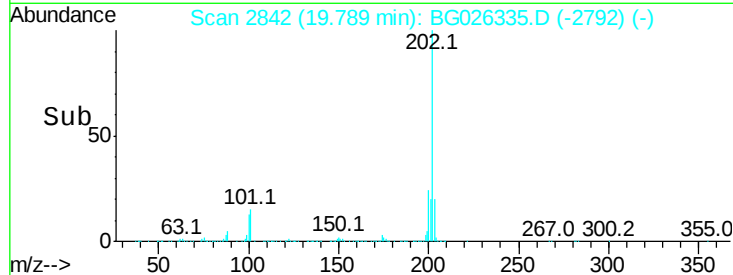
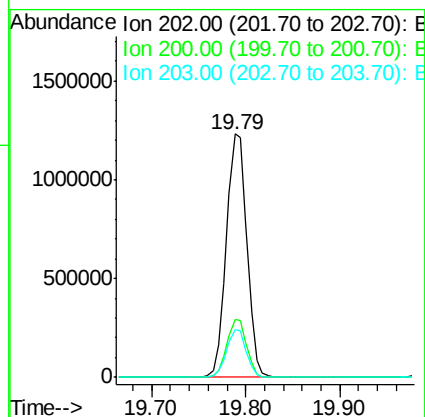
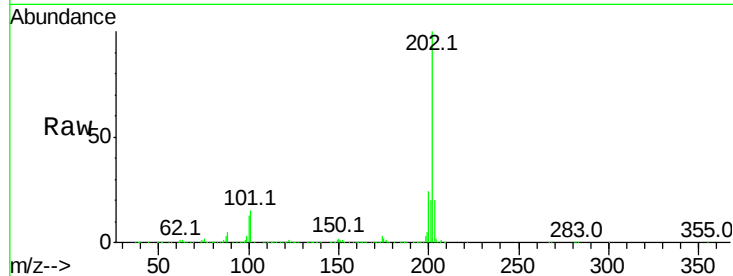




#77  
Pvrene  
Concen: 40.90 ng  
RT: 19.79 min Scan# 2842  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

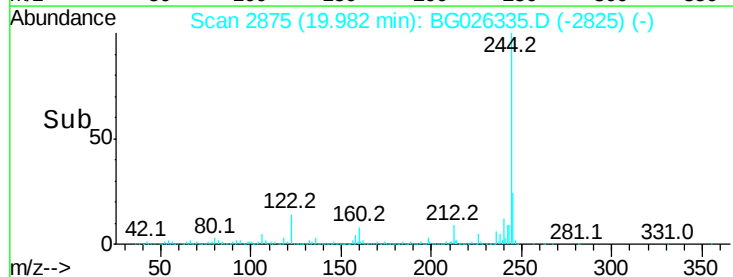
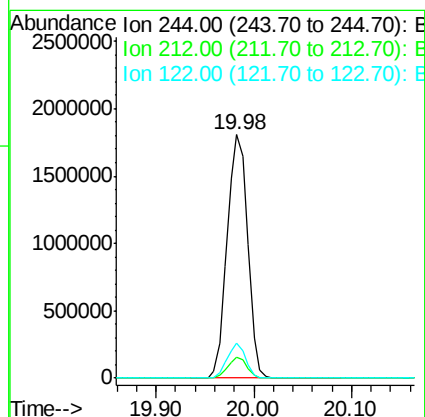
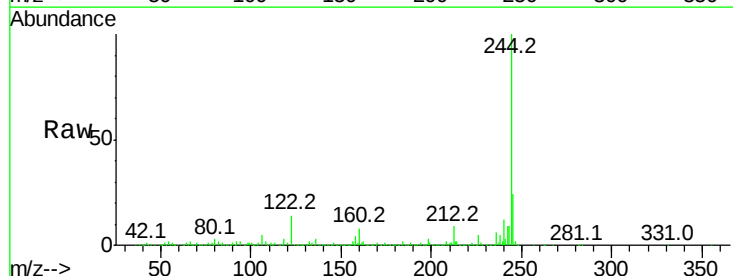
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

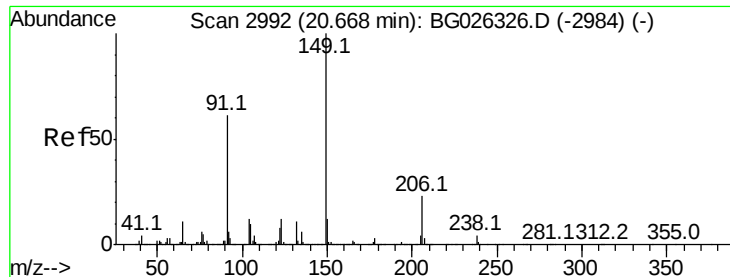
Tot Ion:202 Resp: 1867146  
Ion Ratio Lower Upper  
202 100  
200 23.9 19.6 29.4  
203 19.6 15.8 23.8



#78  
Terphenyl-d14  
Concen: 81.17 ng  
RT: 19.98 min Scan# 2875  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:244 Resp: 2635023  
Ion Ratio Lower Upper  
244 100  
212 8.6 10.0 15.0#  
122 14.1 8.6 12.8#

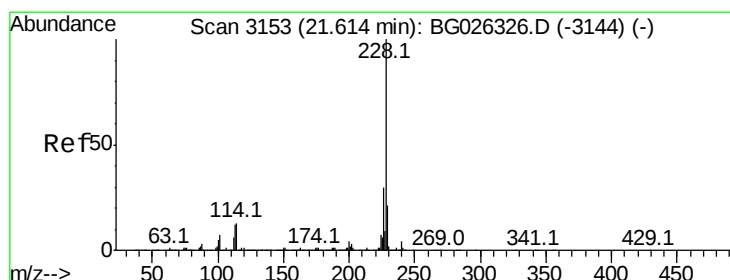
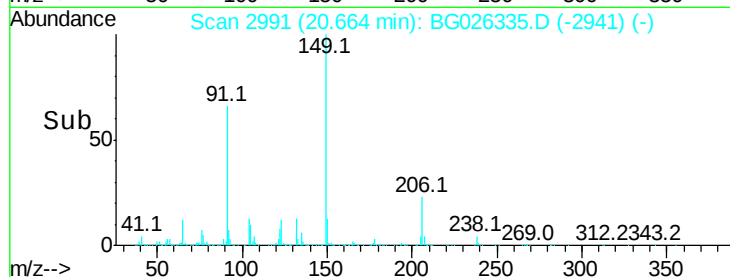
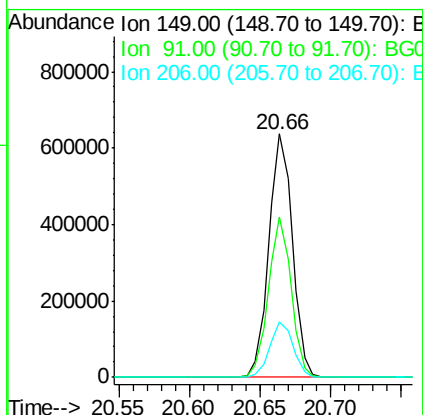
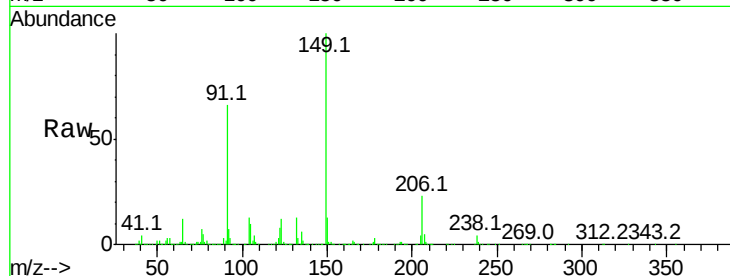




#79  
Butylbenzylphthalate  
Concen: 40.97 ng  
RT: 20.66 min Scan# 2991  
Delta R.T. -0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

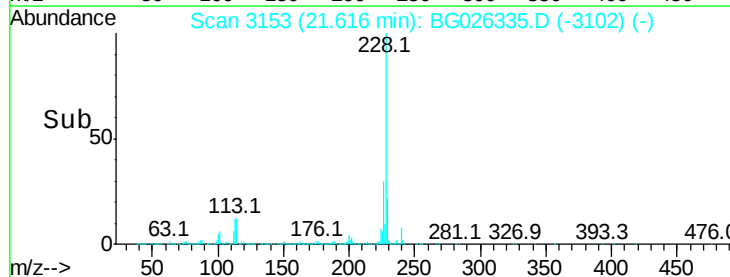
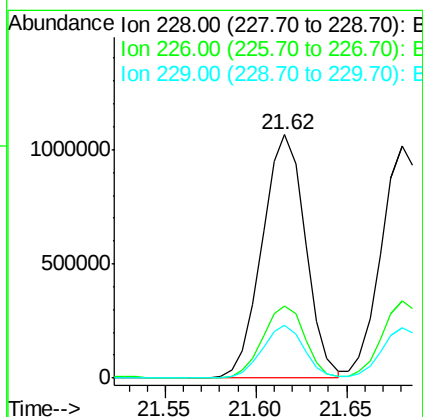
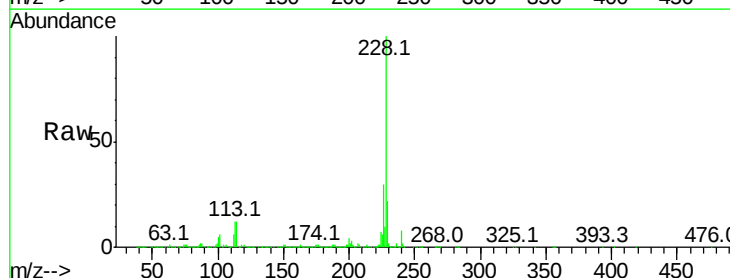
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

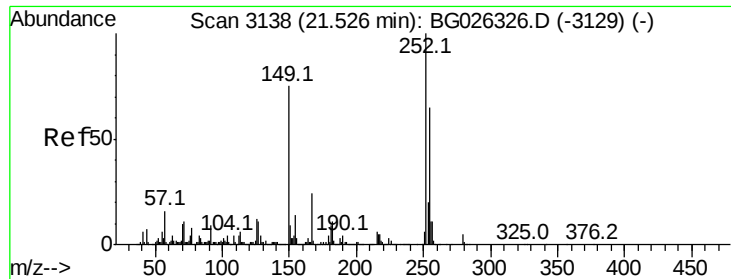
Tot Ion:149 Resp: 748306  
Ion Ratio Lower Upper  
149 100  
91 65.7 63.5 95.3  
206 23.0 21.0 31.6



#80  
Benzo(a)anthracene  
Concen: 39.89 ng  
RT: 21.62 min Scan# 3153  
Delta R.T. 0.00 min  
Lab File: BG026335.D  
Acq: 20 Mar 2017 20:25

Tgt Ion:228 Resp: 1769621  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.9 37.3  
229 22.0 18.2 27.2

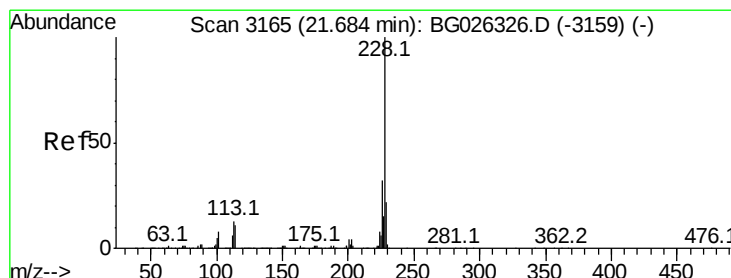
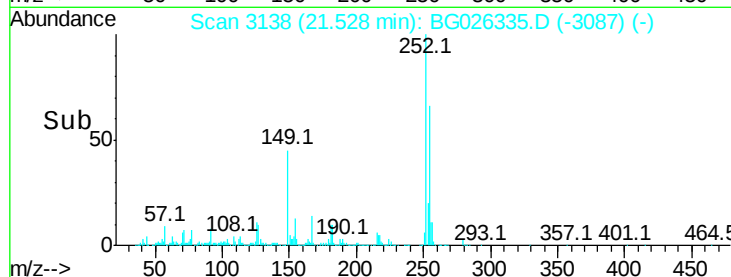
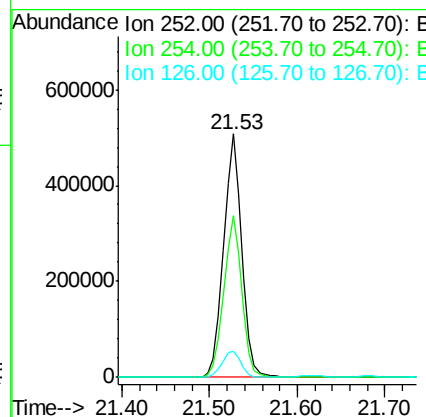
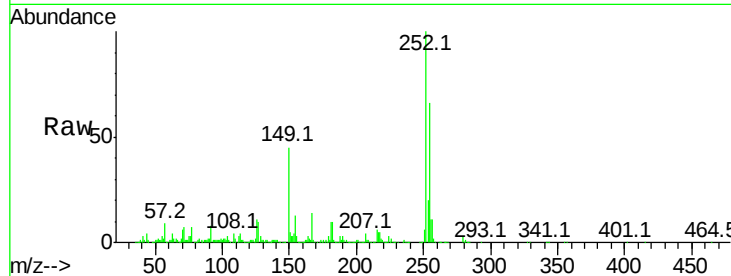




#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.32 ng  
 RT: 21.53 min Scan# 3138  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

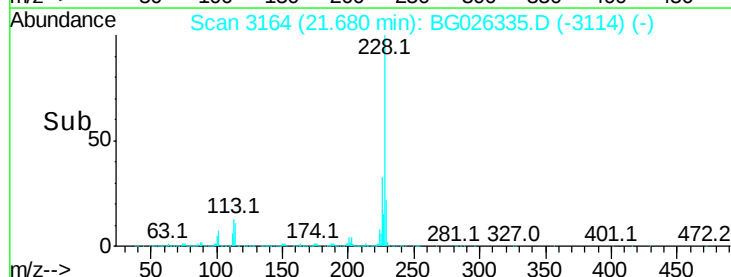
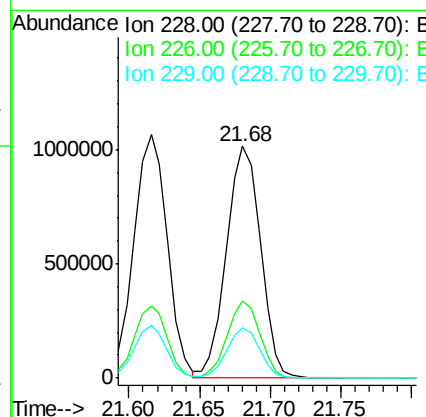
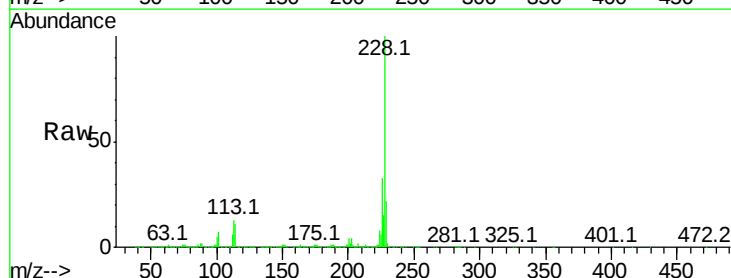
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

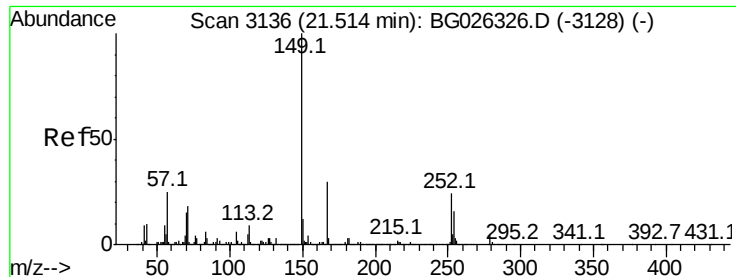
Tot Ion:252 Resp: 732355  
 Ion Ratio Lower Upper  
 252 100  
 254 66.3 53.1 79.7  
 126 10.9 7.0 10.4#



#82  
 Chrysene  
 Concen: 40.20 ng  
 RT: 21.68 min Scan# 3164  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Tgt Ion:228 Resp: 1703935  
 Ion Ratio Lower Upper  
 228 100  
 226 33.4 27.0 40.4  
 229 21.8 17.8 26.6

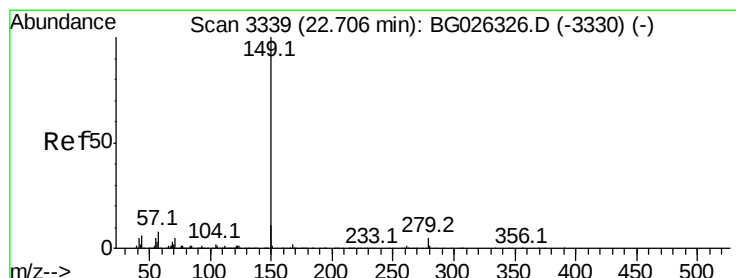
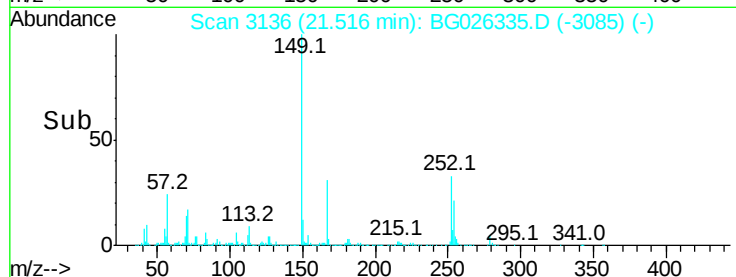
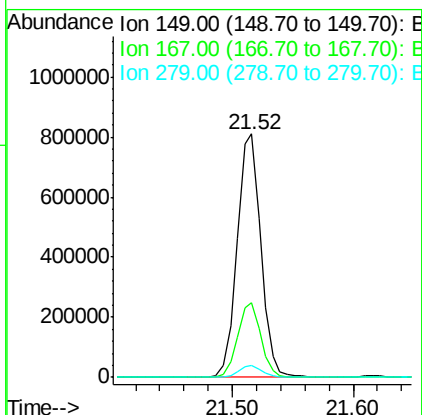
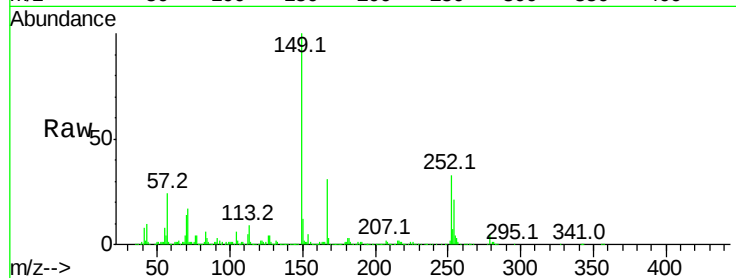




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.10 ng  
 RT: 21.52 min Scan# 3136  
 Delta R.T. 0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

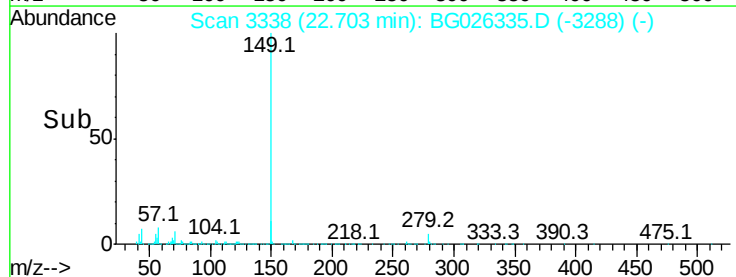
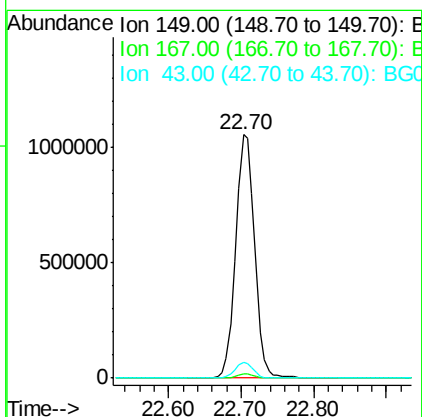
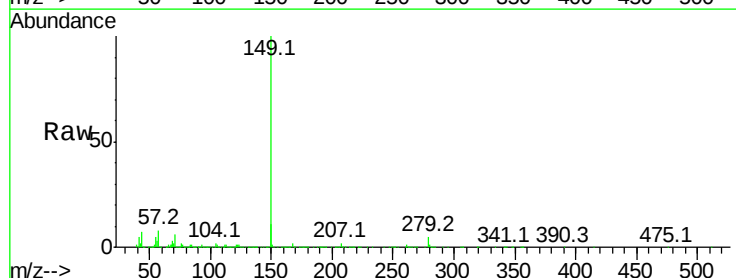
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Tot Ion:149 Resp: 1106174  
 Ion Ratio Lower Upper  
 149 100  
 167 30.7 23.7 35.5  
 279 5.0 4.6 6.8



#84  
 Di-n-octyl phthalate  
 Concen: 40.53 ng  
 RT: 22.70 min Scan# 3338  
 Delta R.T. -0.00 min  
 Lab File: BG026335.D  
 Acq: 20 Mar 2017 20:25

Tgt Ion:149 Resp: 1908071  
 Ion Ratio Lower Upper  
 149 100  
 167 1.7 1.4 2.2  
 43 6.2 11.8 17.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 41.25 ng

RT: 28.45 min Scan# 4316

Delta R.T. -0.01 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

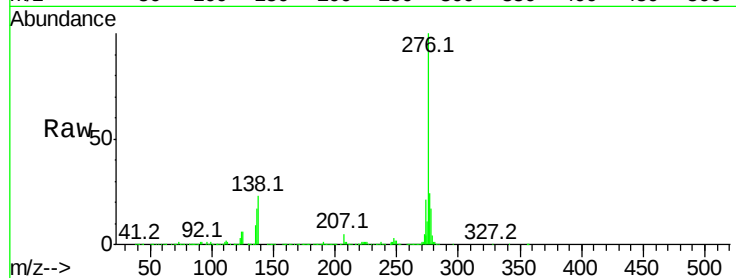
Tot Ion:276 Resp: 2158967

Ion Ratio Lower Upper

276 100

138 28.4 4.7 7.1#

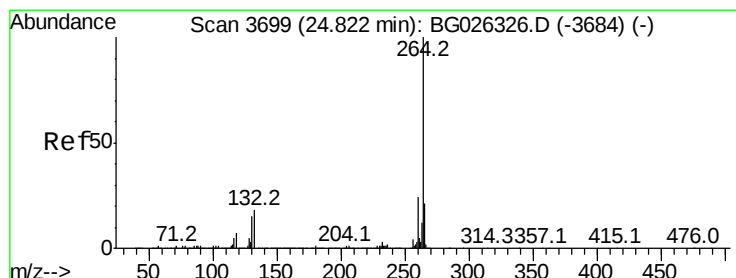
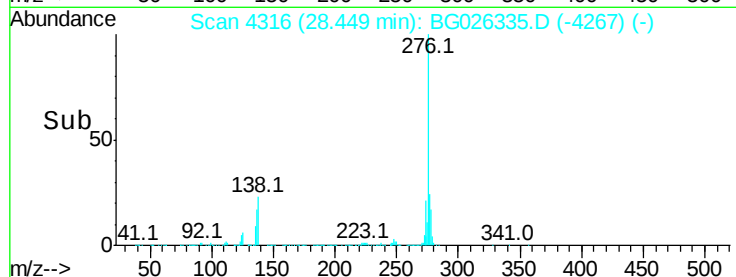
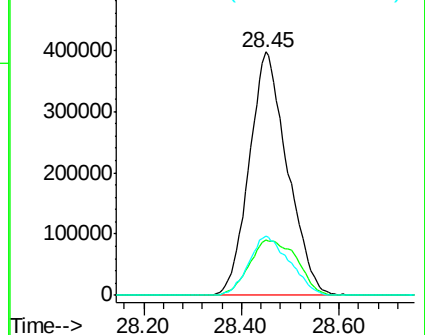
277 26.2 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.82 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

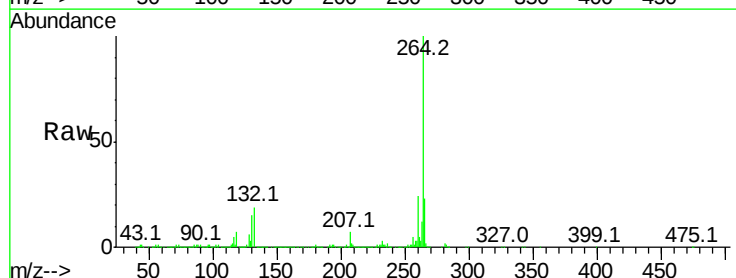
Tgt Ion:264 Resp: 786587

Ion Ratio Lower Upper

264 100

260 23.8 21.8 32.8

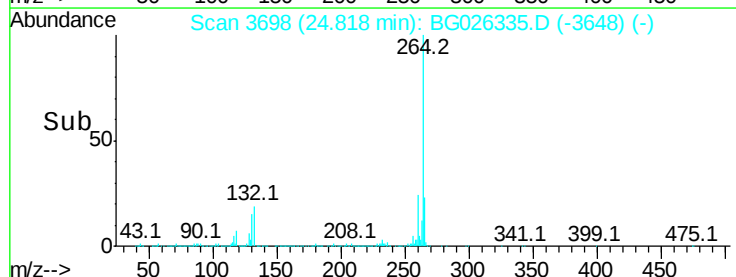
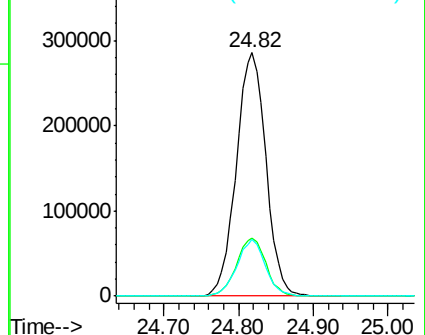
265 23.1 18.2 27.4

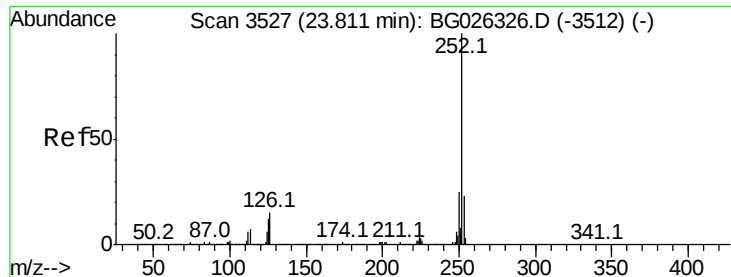


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 41.00 ng

RT: 23.81 min Scan# 3526

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

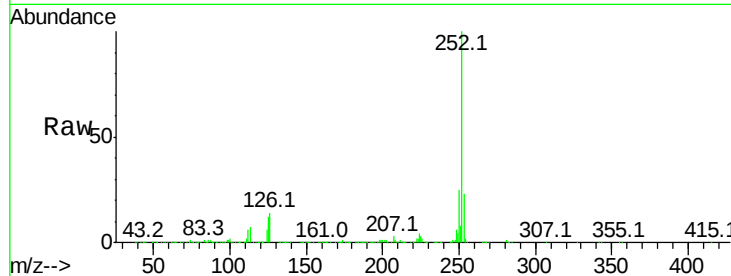
Tot Ion:252 Resp: 1900968

Ion Ratio Lower Upper

252 100

253 23.2 18.7 28.1

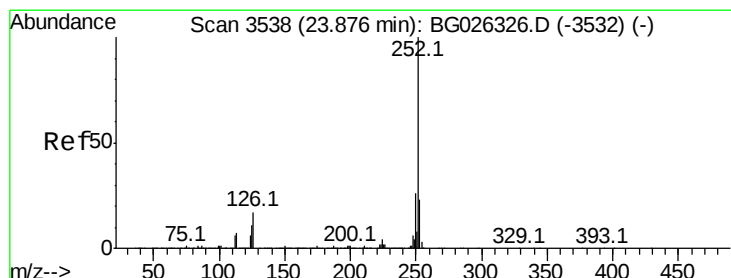
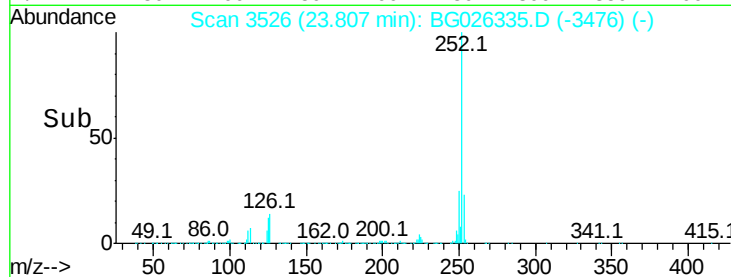
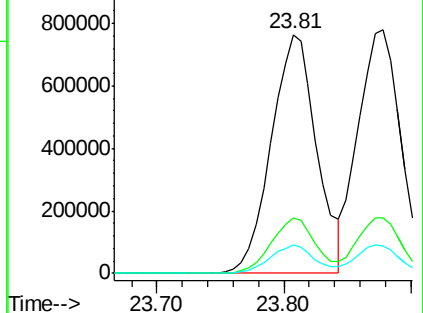
125 11.8 5.3 7.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 40.44 ng

RT: 23.88 min Scan# 3538

Delta R.T. 0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

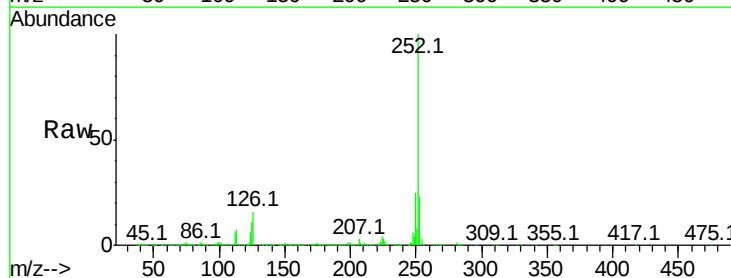
Tgt Ion:252 Resp: 1818326

Ion Ratio Lower Upper

252 100

253 23.0 20.2 30.2

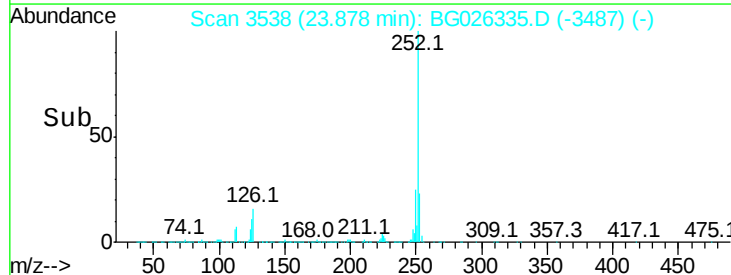
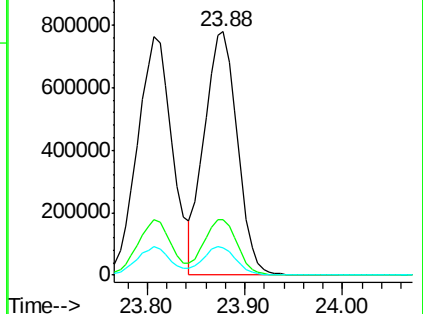
125 11.4 5.1 7.7#

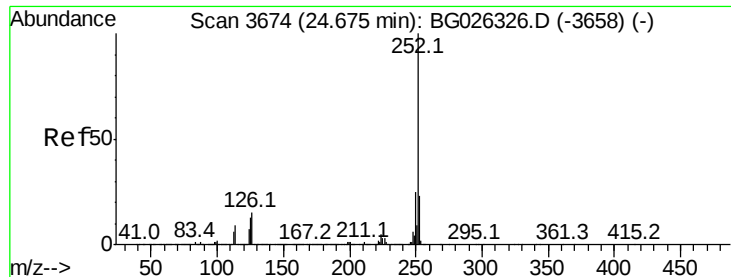


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 40.25 ng

RT: 24.67 min Scan# 3673

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

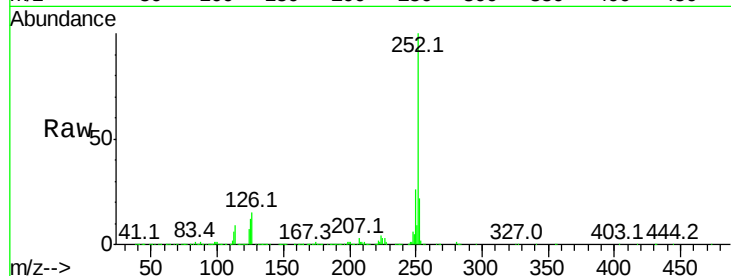
Tot Ion:252 Resp: 1790068

Ion Ratio Lower Upper

252 100

253 22.0 19.2 28.8

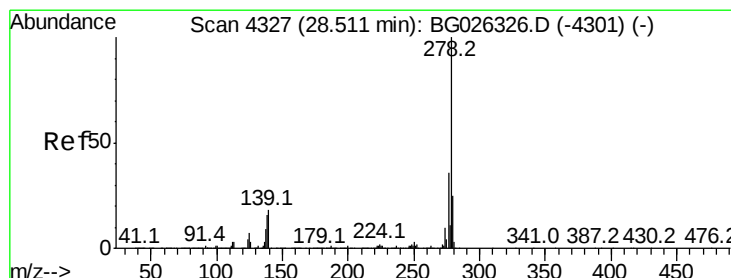
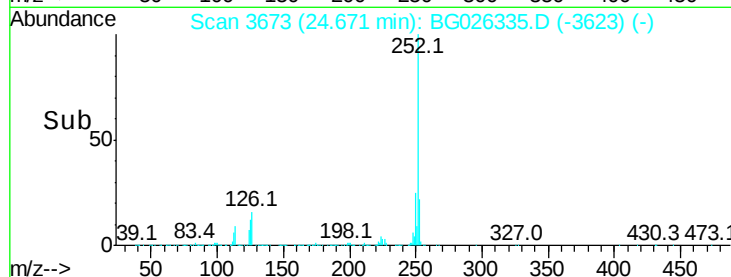
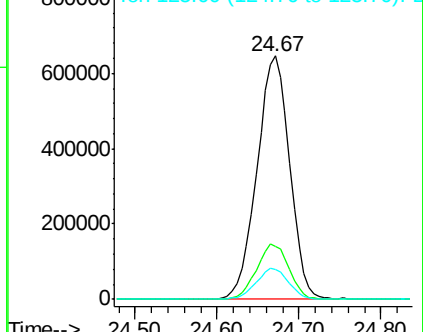
125 12.3 5.4 8.0#



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

Dibenzo(a,h)anthracene

Concen: 40.68 ng

RT: 28.50 min Scan# 4325

Delta R.T. -0.01 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

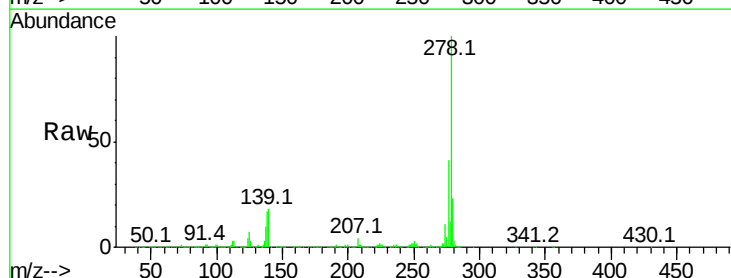
Tgt Ion:278 Resp: 1828452

Ion Ratio Lower Upper

278 100

139 18.4 7.7 11.5#

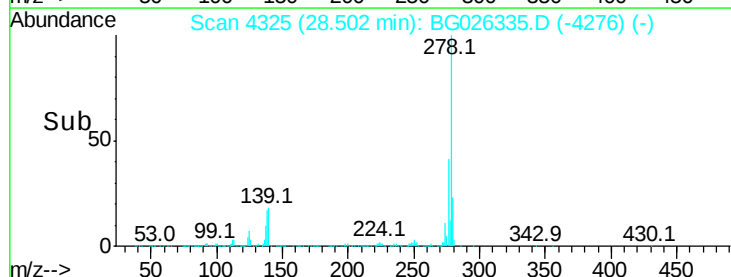
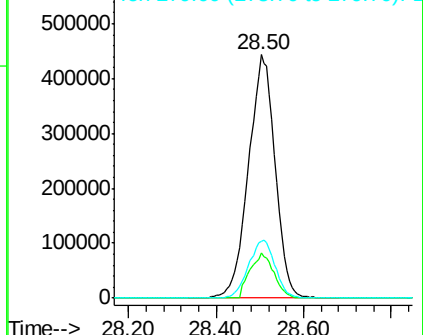
279 23.5 19.1 28.7

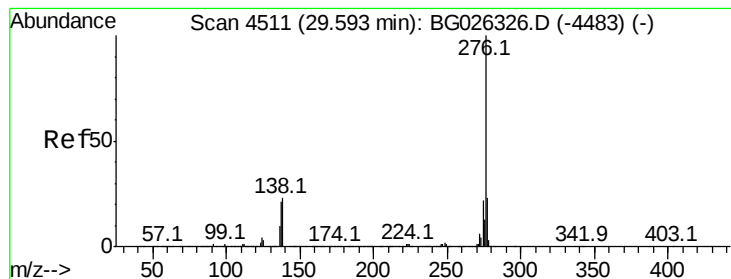


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 40.81 ng

RT: 29.59 min Scan# 4510

Delta R.T. -0.00 min

Lab File: BG026335.D

Acq: 20 Mar 2017 20:25

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

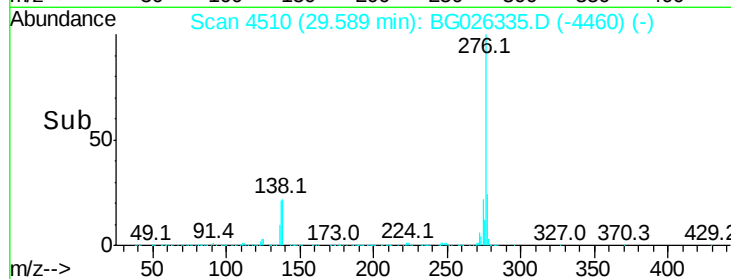
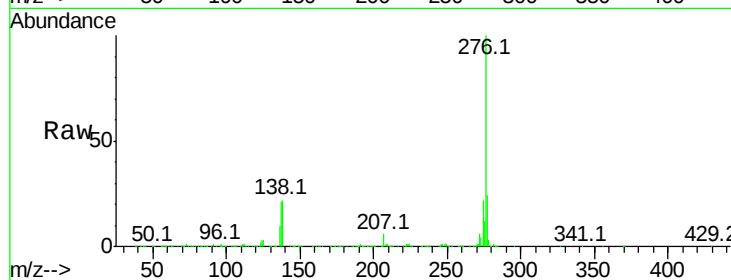
Tot Ion:276 Resp: 1848138

Ion Ratio Lower Upper

276 100

277 23.6 18.6 27.8

138 22.3 8.1 12.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

