

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\  
 Data File : BG028834.D  
 Acq On : 20 Sep 2017 16:35  
 Operator : SJ/JU  
 Sample : PB102477BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 21 01:24:54 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.29  | 152  | 32389    | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8        | 11.11 | 136  | 138856   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10      | 14.91 | 164  | 96424    | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 17.66 | 188  | 255347   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 21.99 | 240  | 293656   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12          | 25.45 | 264  | 288480   | 20.00 | ng    | -0.07    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.86  | 112 | 273773  | 139.47 | ng | -0.04 |
| 7) Phenol-d6                | 7.45  | 99  | 382651  | 129.48 | ng | -0.04 |
| 23) Nitrobenzene-d5         | 9.46  | 82  | 233651  | 80.50  | ng | -0.04 |
| 41) 2,4,6-Tribromophenol    | 16.41 | 330 | 214123  | 134.26 | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 13.53 | 172 | 617443  | 85.38  | ng | -0.04 |
| 78) Terphenyl-d14           | 20.25 | 244 | 1075534 | 78.11  | ng | -0.03 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.78  | 88  | 24694  | 31.07 | ng | 91     |
| 3) Pyridine                    | 4.17  | 79  | 81268  | 35.84 | ng | # 86   |
| 4) n-Nitrosodimethylamine      | 4.10  | 42  | 40049  | 38.83 | ng | # 71   |
| 6) Aniline                     | 7.62  | 93  | 116654 | 33.92 | ng | 93     |
| 8) 2-Chlorophenol              | 7.86  | 128 | 96919  | 44.29 | ng | 90     |
| 9) Benzaldehyde                | 7.43  | 77  | 38158  | 20.81 | ng | 91     |
| 10) Phenol                     | 7.47  | 94  | 139018 | 44.57 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 7.70  | 93  | 87382  | 39.02 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 8.18  | 146 | 93678  | 39.76 | ng | 91     |
| 13) 1,4-Dichlorobenzene        | 8.32  | 146 | 99692  | 41.15 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.64  | 146 | 96025  | 40.12 | ng | 94     |
| 15) Benzyl Alcohol             | 8.53  | 79  | 94961  | 41.16 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.80  | 45  | 153841 | 37.80 | ng | 95     |
| 17) 2-Methylphenol             | 8.73  | 107 | 86806  | 42.59 | ng | 95     |
| 18) Hexachloroethane           | 9.37  | 117 | 36193  | 40.76 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 9.08  | 70  | 78797  | 37.61 | ng | 88     |
| 20) 3+4-Methylphenols          | 9.05  | 107 | 120526 | 42.28 | ng | 96     |
| 22) Acetophenone               | 9.11  | 105 | 152121 | 37.47 | ng | # 85   |
| 24) Nitrobenzene               | 9.50  | 77  | 121370 | 37.76 | ng | 93     |
| 25) Isophorone                 | 10.02 | 82  | 218623 | 37.22 | ng | # 97   |
| 26) 2-Nitrophenol              | 10.22 | 139 | 53180  | 38.88 | ng | # 86   |
| 27) 2,4-Dimethylphenol         | 10.26 | 122 | 104083 | 41.62 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.49 | 93  | 126677 | 39.72 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.76 | 162 | 105178 | 42.28 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.97 | 180 | 113951 | 40.15 | ng | 97     |
| 31) Naphthalene                | 11.16 | 128 | 294923 | 40.67 | ng | 98     |
| 32) Benzoic acid               | 10.42 | 122 | 53855  | 32.57 | ng | 84     |
| 33) 4-Chloroaniline            | 11.27 | 127 | 71311  | 23.47 | ng | 91     |
| 34) Hexachlorobutadiene        | 11.43 | 225 | 81364  | 38.92 | ng | 94     |
| 35) Caprolactam                | 12.05 | 113 | 23716  | 26.58 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.37 | 107 | 126214 | 38.98 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.74 | 142 | 228060 | 42.12 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.11 | 216 | 152818 | 38.54 | ng | # 94   |
| 40) Hexachlorocyclopentadiene  | 13.09 | 237 | 144650 | 92.59 | ng | 98     |

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 BNA\_G  
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Quant Time: Sep 21 01:24:54 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.35 | 196  | 98244    | 39.04 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.43 | 196  | 107413   | 42.48 | nq #  | 90       |
| 45) 1,1'-Biphenyl              | 13.74 | 154  | 304243   | 38.11 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.79 | 162  | 238086   | 40.89 | nq    | 97       |
| 47) 2-Nitroaniline             | 14.00 | 65   | 91350    | 42.21 | nq #  | 87       |
| 48) Acenaphthylene             | 14.63 | 152  | 382928   | 41.16 | nq    | 99       |
| 49) Dimethylphthalate          | 14.35 | 163  | 335599   | 41.51 | nq    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.48 | 165  | 74701    | 41.52 | nq #  | 80       |
| 51) Acenaphthene               | 14.97 | 154  | 232651   | 41.17 | nq    | 96       |
| 52) 3-Nitroaniline             | 14.82 | 138  | 50864    | 31.97 | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 15.04 | 184  | 63495    | 68.28 | nq    | 95       |
| 54) Dibenzofuran               | 15.31 | 168  | 402521   | 44.66 | nq    | 94       |
| 55) 4-Nitrophenol              | 15.13 | 139  | 95346    | 81.79 | nq #  | 75       |
| 56) 2,4-Dinitrotoluene         | 15.27 | 165  | 110533   | 43.69 | nq #  | 88       |
| 57) Fluorene                   | 15.95 | 166  | 338848   | 42.11 | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.54 | 232  | 104603   | 46.94 | nq #  | 93       |
| 59) Diethylphthalate           | 15.71 | 149  | 341909   | 41.15 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.94 | 204  | 196707   | 42.94 | nq    | 89       |
| 61) 4-Nitroaniline             | 15.98 | 138  | 71178    | 42.23 | nq #  | 87       |
| 62) Azobenzene                 | 16.23 | 77   | 311979   | 44.64 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 16.04 | 198  | 61035    | 37.04 | nq    | 97       |
| 65) n-Nitrosodiphenylamine     | 16.15 | 169  | 292346   | 39.94 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.83 | 248  | 135440   | 41.22 | nq    | 93       |
| 67) Hexachlorobenzene          | 16.97 | 284  | 142361   | 38.07 | nq #  | 90       |
| 68) Atrazine                   | 17.10 | 200  | 129164   | 41.10 | nq    | 98       |
| 69) Pentachlorophenol          | 17.32 | 266  | 133146   | 78.80 | nq    | 98       |
| 70) Phenanthrene               | 17.70 | 178  | 547123   | 41.90 | nq    | 95       |
| 71) Anthracene                 | 17.80 | 178  | 561982   | 42.60 | nq    | 96       |
| 72) Carbazole                  | 18.06 | 167  | 484254   | 40.76 | nq #  | 93       |
| 73) Di-n-butylphthalate        | 18.59 | 149  | 576580   | 39.58 | nq #  | 94       |
| 74) Fluoranthene               | 19.71 | 202  | 667184   | 41.85 | nq    | 92       |
| 76) Benzidine                  | 19.88 | 184  | 207461   | 27.24 | nq    | 97       |
| 77) Pyrene                     | 20.07 | 202  | 699497   | 41.30 | nq    | 95       |
| 79) Butylbenzylphthalate       | 20.93 | 149  | 265174   | 38.76 | nq    | 89       |
| 80) Benzo(a)anthracene         | 21.96 | 228  | 717059   | 40.57 | nq    | 94       |
| 81) 3,3'-Dichlorobenzidine     | 21.87 | 252  | 206379   | 28.80 | nq #  | 97       |
| 82) Chrysene                   | 22.03 | 228  | 667643   | 39.81 | nq    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 21.82 | 149  | 366214   | 37.66 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 23.11 | 149  | 637036   | 37.49 | nq #  | 87       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.45 | 276  | 839583   | 38.96 | nq #  | 95       |
| 87) Benzo(b)fluoranthene       | 24.35 | 252  | 718163   | 41.55 | nq    | 95       |
| 88) Benzo(k)fluoranthene       | 24.42 | 252  | 708812   | 41.06 | nq    | 96       |
| 89) Benzo(a)pyrene             | 25.29 | 252  | 708823   | 43.21 | nq    | 95       |
| 90) Dibenzo(a,h)anthracene     | 29.50 | 278  | 691771   | 40.45 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 30.69 | 276  | 684613   | 41.02 | nq    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

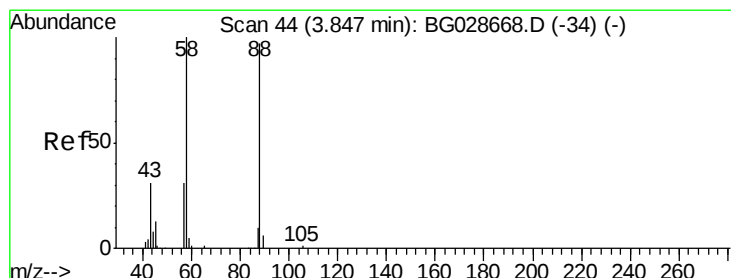
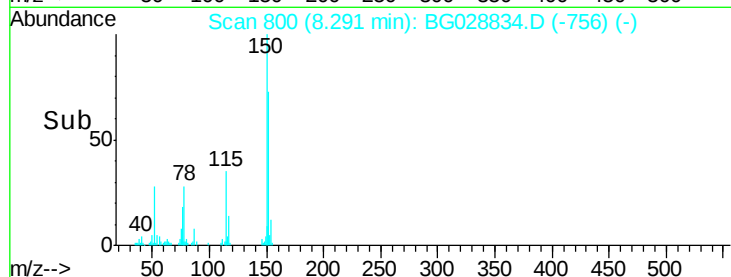
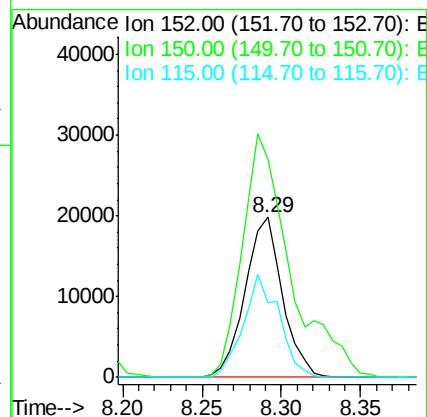
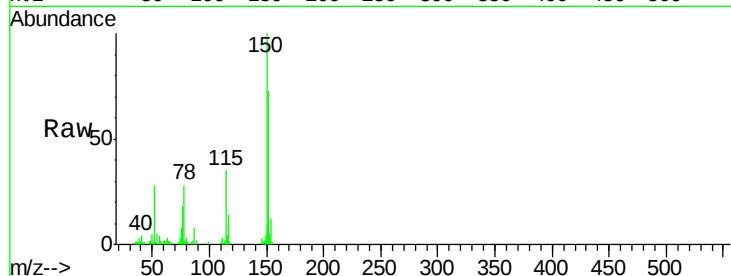
Tot Ion:152 Resp: 32389

Ion Ratio Lower Upper

152 100

150 136.2 114.0 171.0

115 47.0 48.1 72.1#



#2

1,4-Dioxane

Concen: 31.07 ng

RT: 3.78 min Scan# 33

Delta R.T. -0.06 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

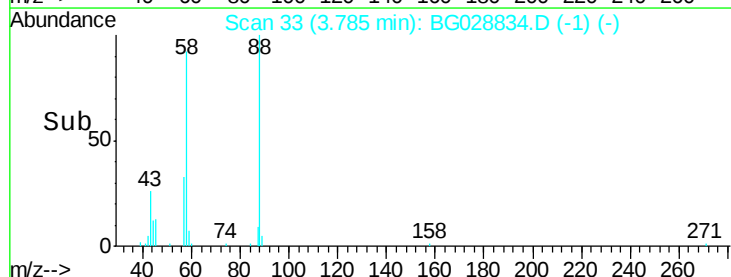
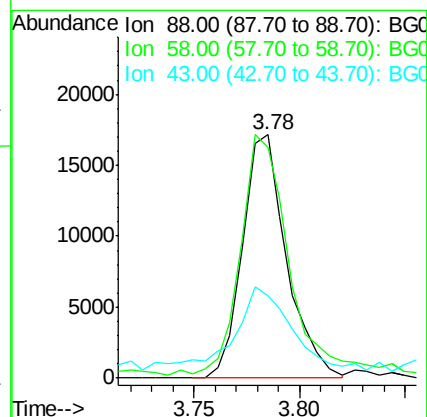
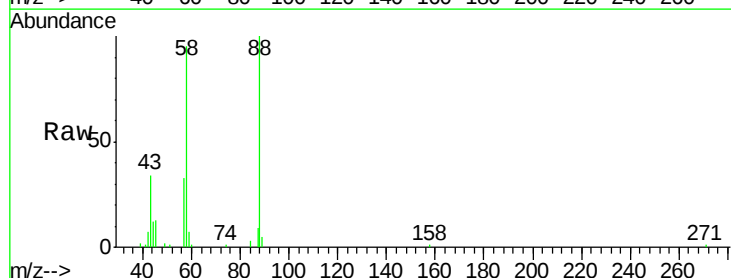
Tgt Ion: 88 Resp: 24694

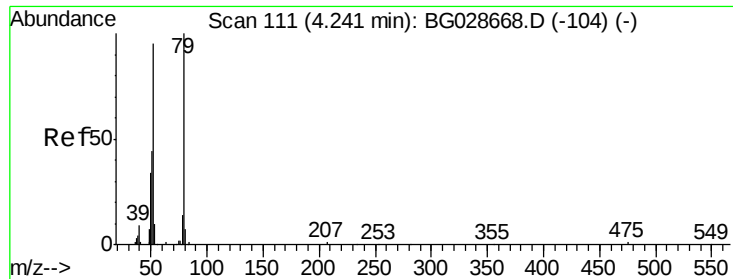
Ion Ratio Lower Upper

88 100

58 111.0 79.4 119.2

43 44.7 33.8 50.6





#3

Pvridine

Concen: 35.84 ng

RT: 4.17 min Scan# 99

Delta R.T. -0.07 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

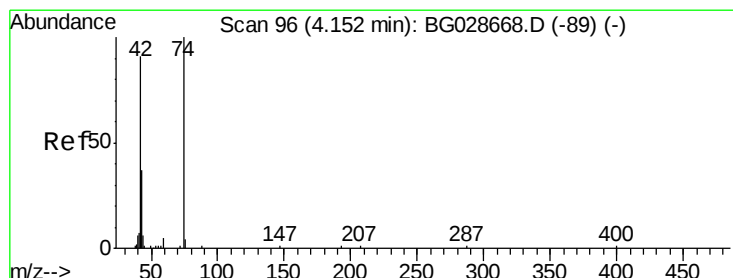
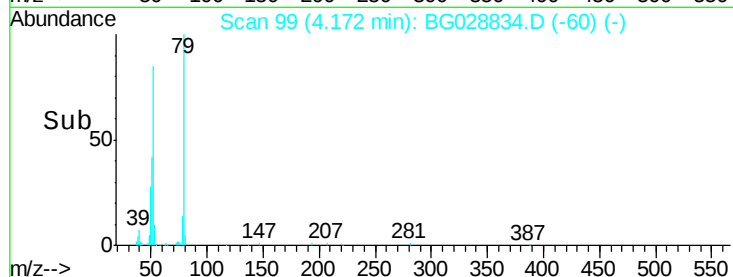
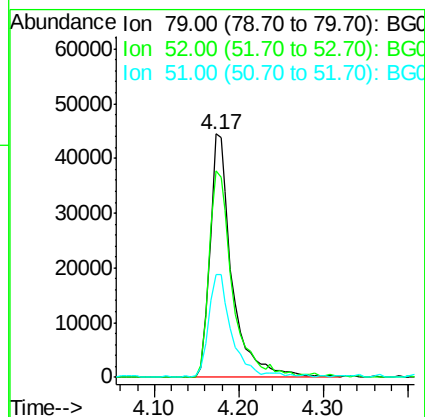
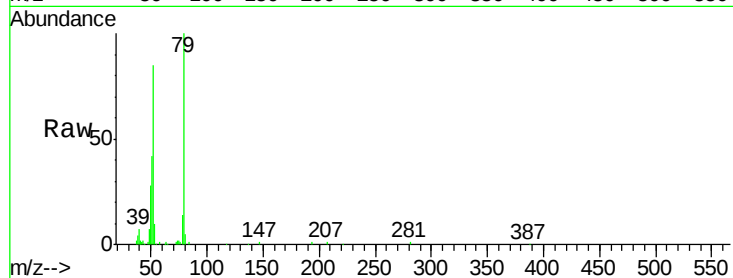
Tot Ion: 79 Resp: 81268

Ion Ratio Lower Upper

79 100

52 84.7 77.8 116.6

51 42.4 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 38.83 ng

RT: 4.10 min Scan# 86

Delta R.T. -0.06 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

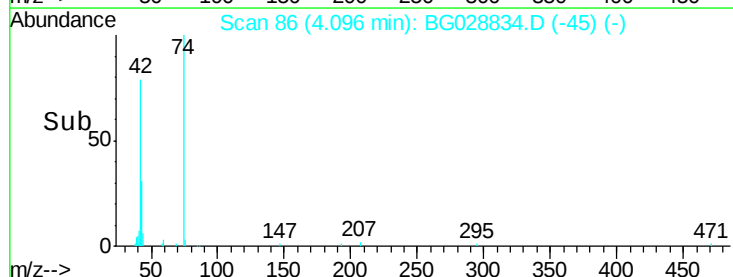
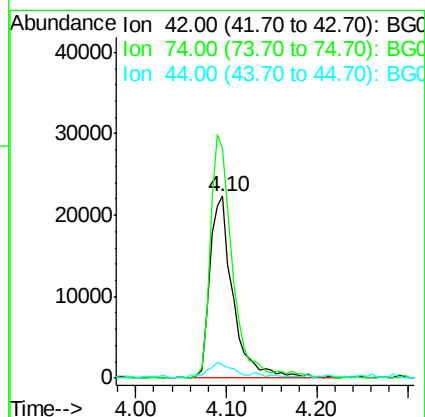
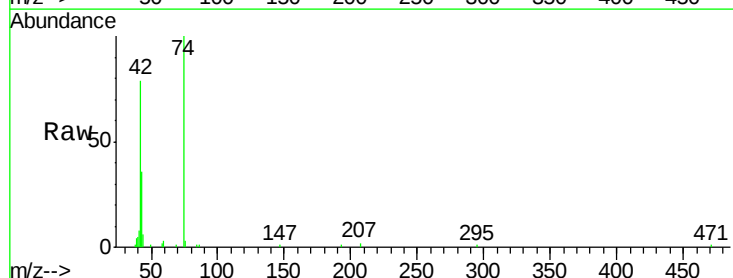
Tgt Ion: 42 Resp: 40049

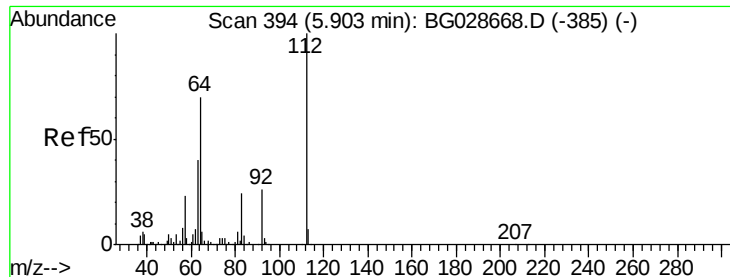
Ion Ratio Lower Upper

42 100

74 126.2 76.7 115.1#

44 7.5 6.1 9.1





#5

2-Fluorophenol

Concen: 139.47 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

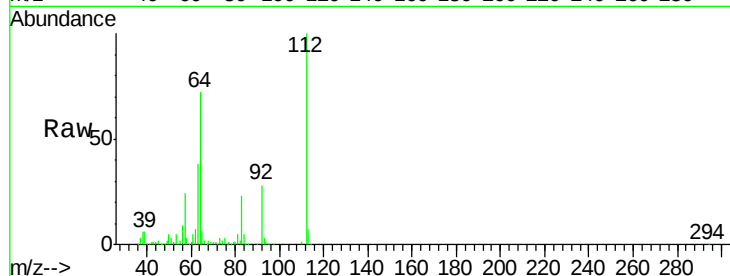
Tot Ion:112 Resp: 273773

Ion Ratio Lower Upper

112 100

64 72.4 61.8 92.6

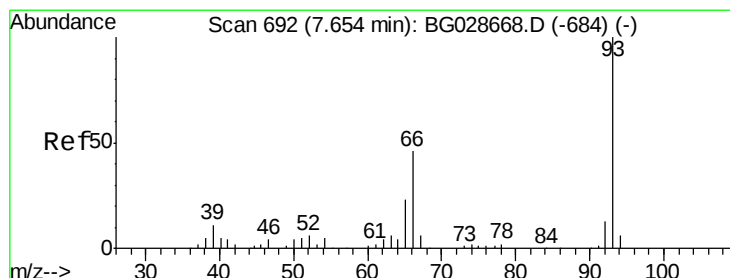
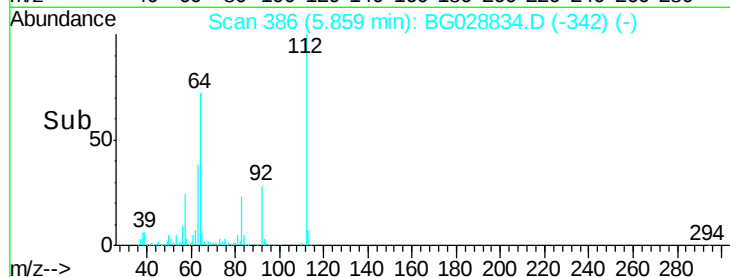
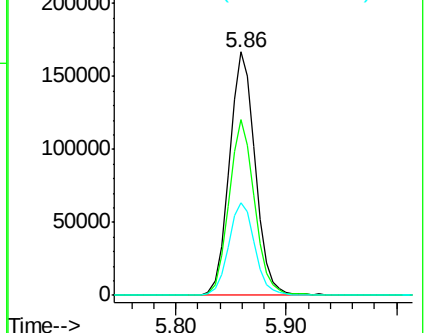
63 38.0 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 33.92 ng

RT: 7.62 min Scan# 685

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

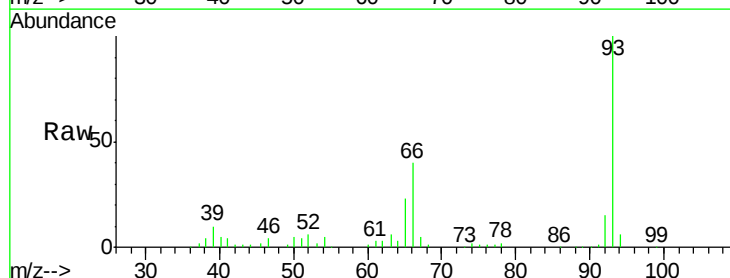
Tgt Ion: 93 Resp: 116654

Ion Ratio Lower Upper

93 100

66 40.0 35.4 53.2

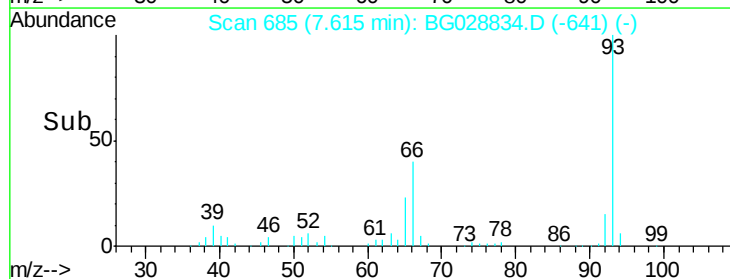
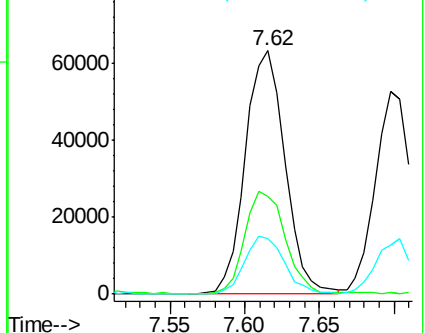
65 22.8 21.2 31.8

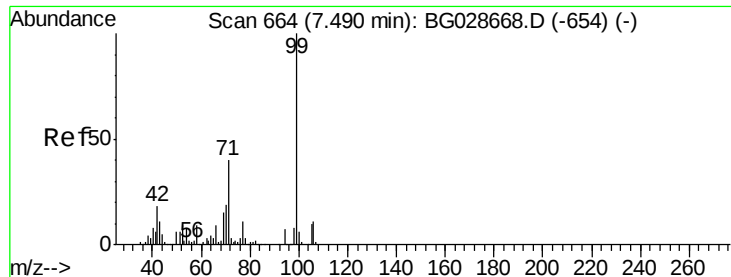


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 129.48 ng

RT: 7.45 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

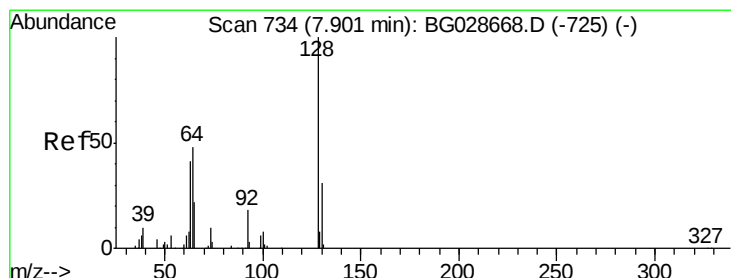
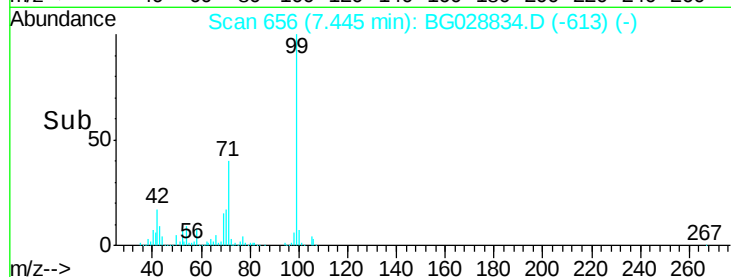
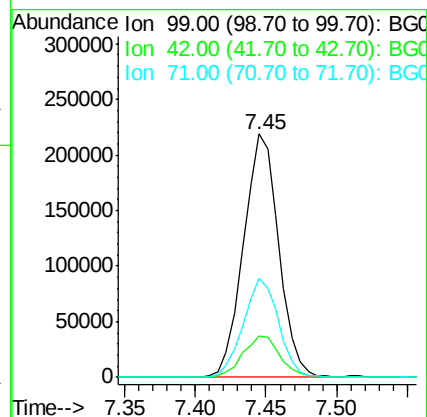
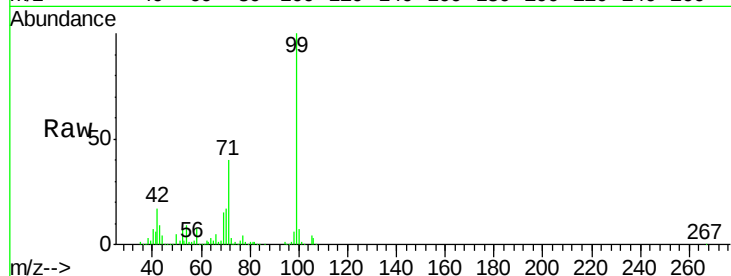
Tot Ion: 99 Resp: 382651

Ion Ratio Lower Upper

99 100

42 17.2 20.5 30.7#

71 40.4 37.6 56.4



#8

2-Chlorophenol

Concen: 44.29 ng

RT: 7.86 min Scan# 726

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

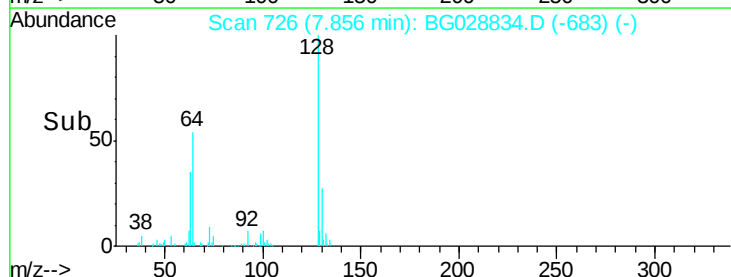
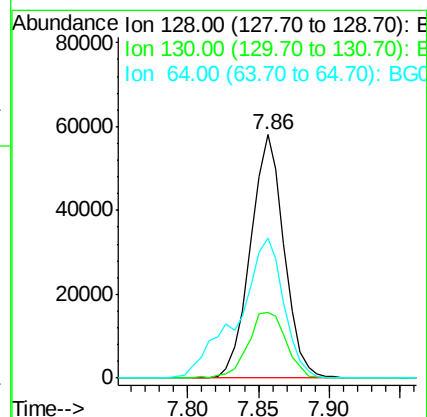
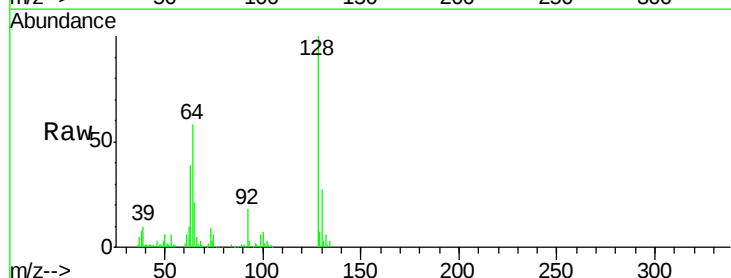
Tgt Ion:128 Resp: 96919

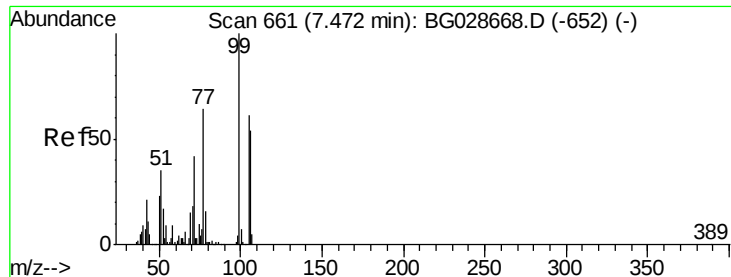
Ion Ratio Lower Upper

128 100

130 27.2 11.4 51.4

64 57.7 46.6 86.6





#9

Benzaldehyde

Concen: 20.81 ng

RT: 7.43 min Scan# 653

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampled :

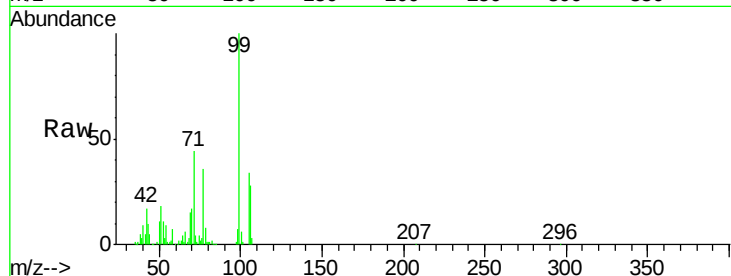
Tot Ion: 77 Resp: 38158

Ion Ratio Lower Upper

77 100

105 94.3 60.9 100.9

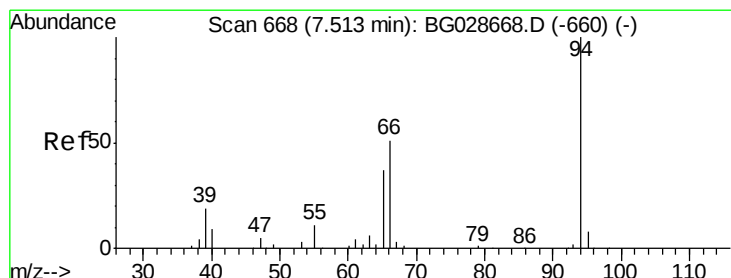
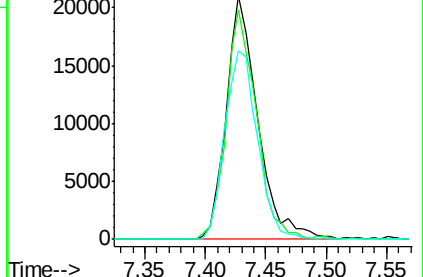
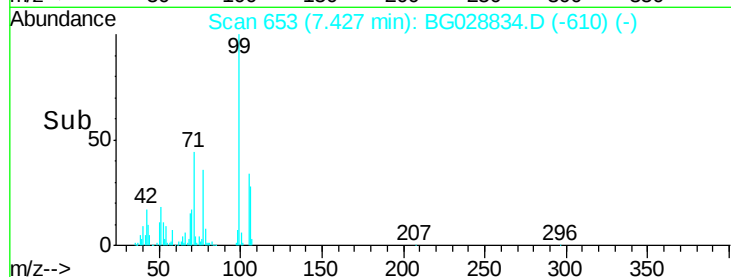
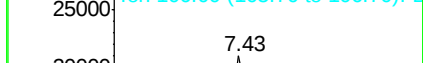
106 77.6 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 44.57 ng

RT: 7.47 min Scan# 661

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

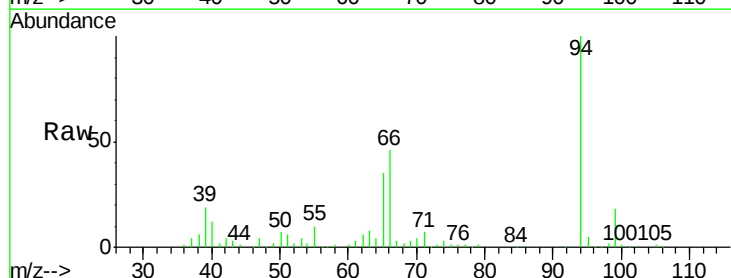
Tgt Ion: 94 Resp: 139018

Ion Ratio Lower Upper

94 100

65 35.2 20.6 60.6

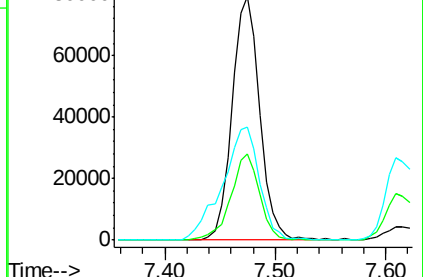
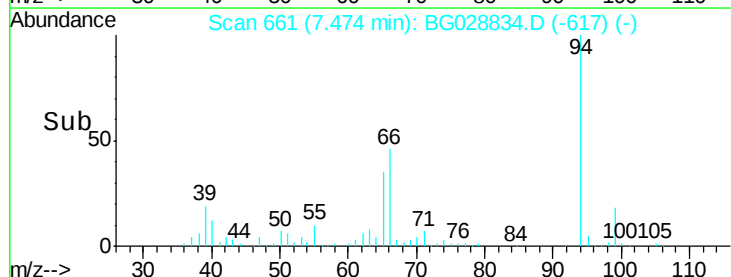
66 46.5 35.5 75.5

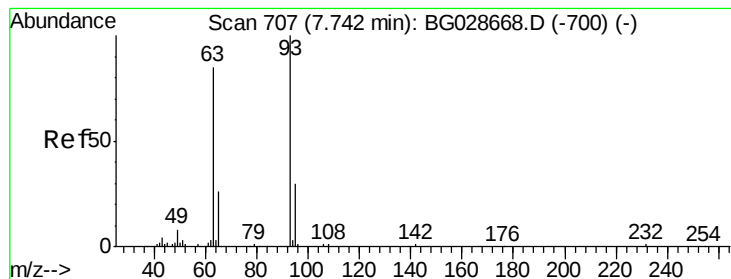


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 39.02 ng

RT: 7.70 min Scan# 699

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

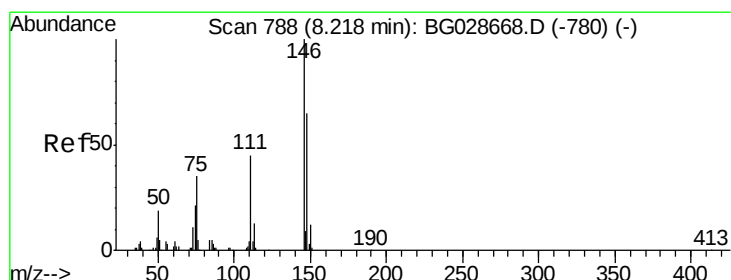
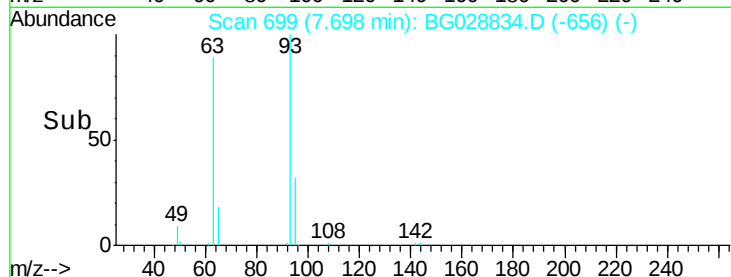
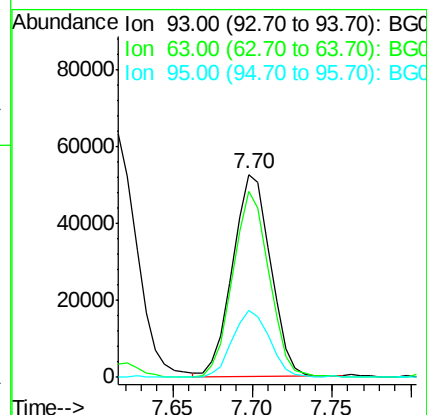
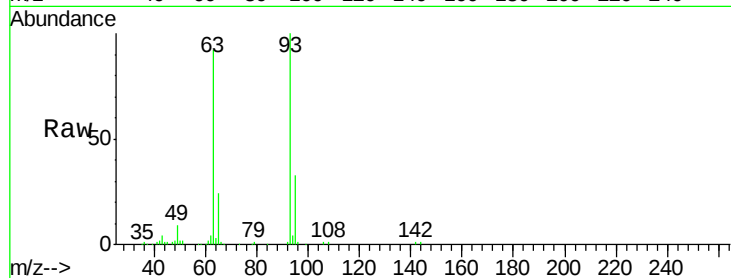
Tot Ion: 93 Resp: 87382

Ion Ratio Lower Upper

93 100

63 91.9 78.5 118.5

95 32.9 9.8 49.8



#12

1,3-Dichlorobenzene

Concen: 39.76 ng

RT: 8.18 min Scan# 781

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

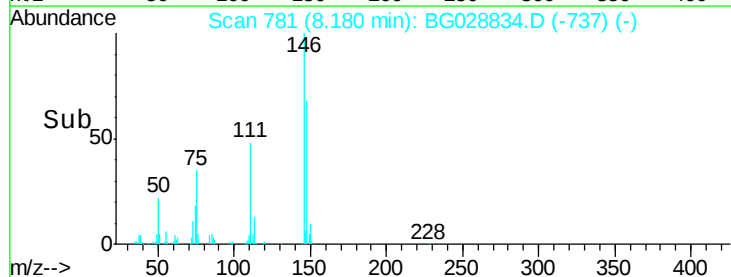
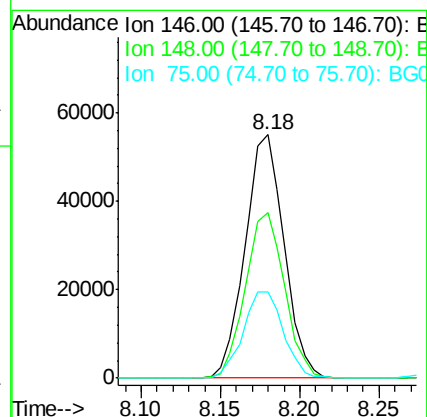
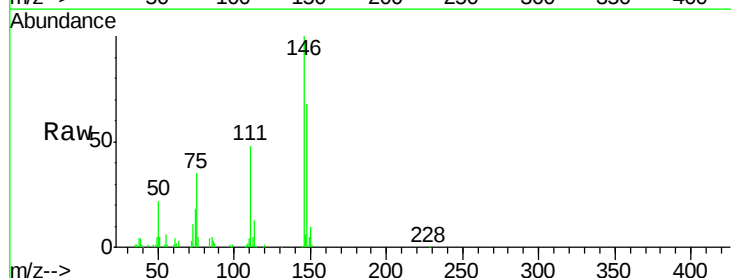
Tgt Ion: 146 Resp: 93678

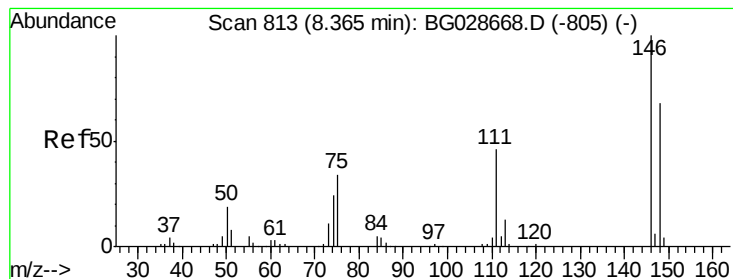
Ion Ratio Lower Upper

146 100

148 67.8 49.2 73.8

75 35.3 33.4 50.2





#13

1,4-Dichlorobenzene

Concen: 41.15 ng

RT: 8.32 min Scan# 805

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampled :

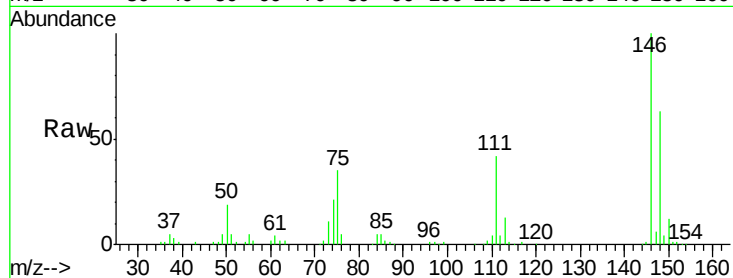
Tot Ion:146 Resp: 99692

Ion Ratio Lower Upper

146 100

148 63.3 52.2 78.2

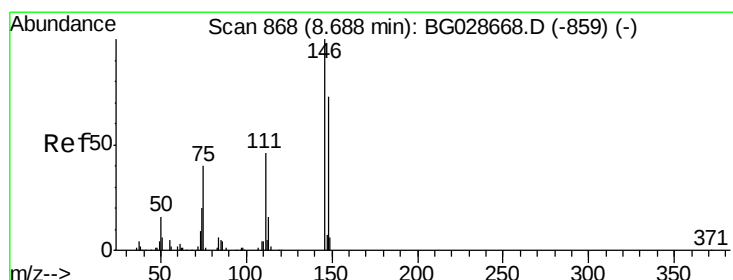
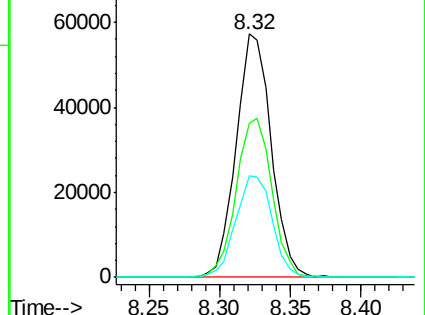
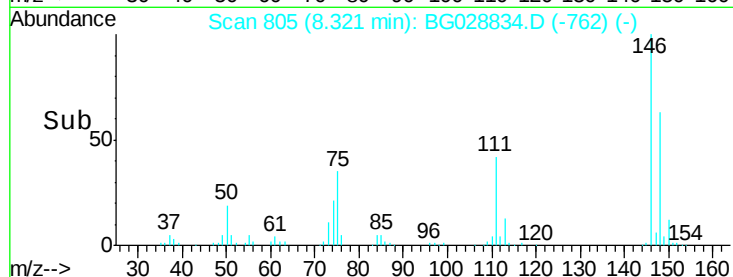
111 41.8 37.0 55.6



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: 40.12 ng

RT: 8.64 min Scan# 860

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

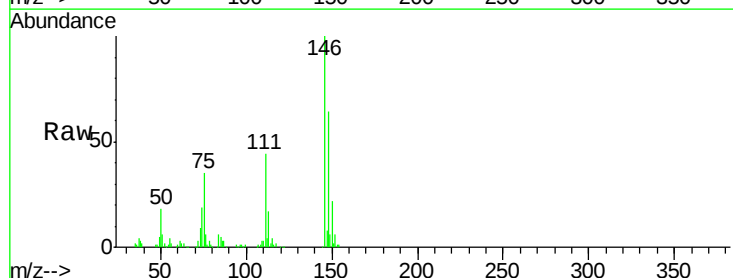
Tgt Ion:146 Resp: 96025

Ion Ratio Lower Upper

146 100

148 63.9 54.6 81.8

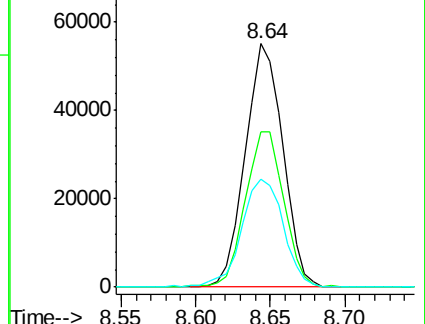
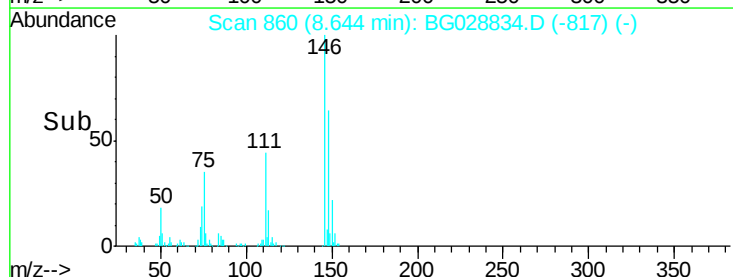
111 44.2 39.7 59.5

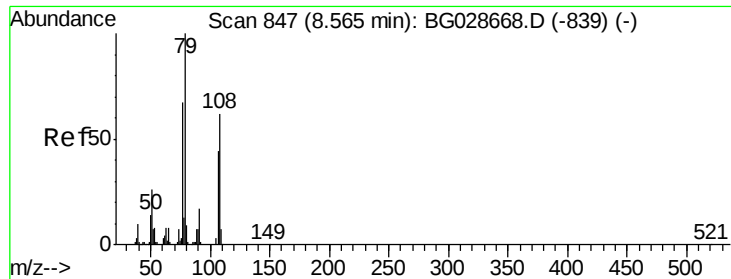


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.16 ng

RT: 8.53 min Scan# 840

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

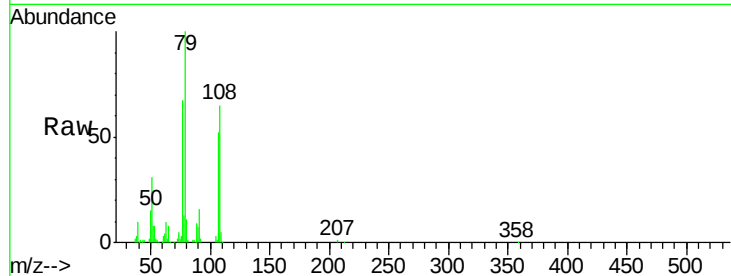
Tot Ion: 79 Resp: 94961

Ion Ratio Lower Upper

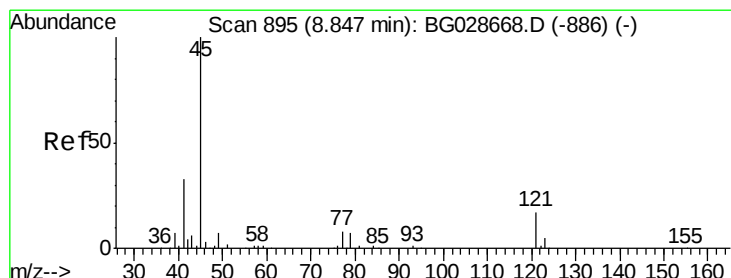
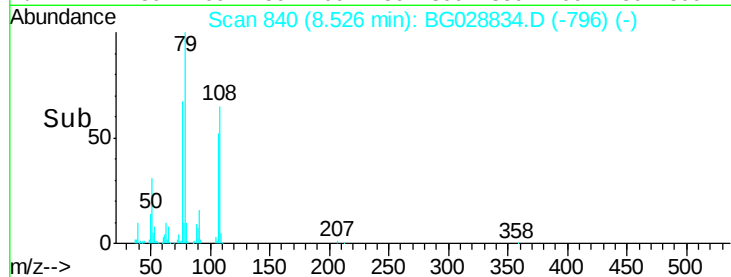
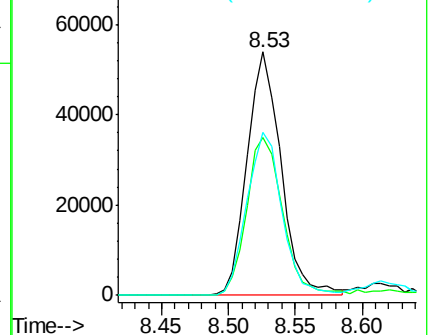
79 100

108 64.7 45.5 68.3

77 66.8 54.3 81.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.80 ng

RT: 8.80 min Scan# 887

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

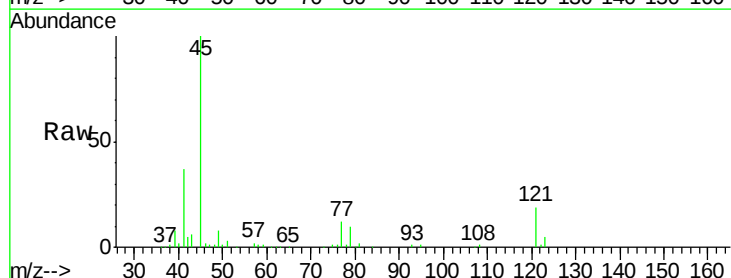
Tgt Ion: 45 Resp: 153841

Ion Ratio Lower Upper

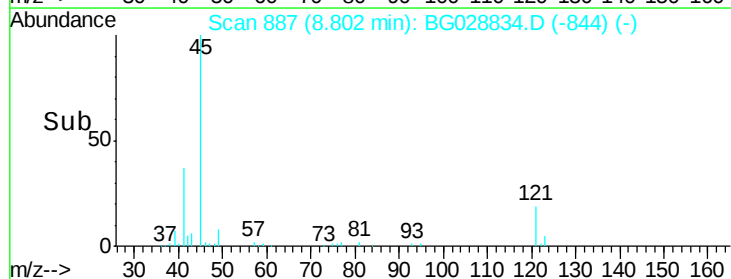
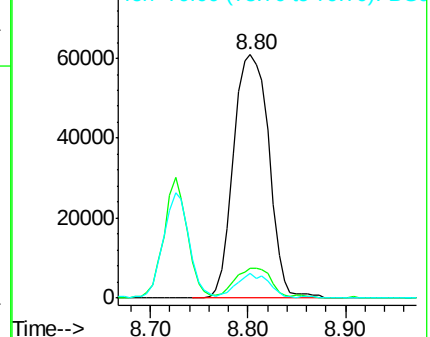
45 100

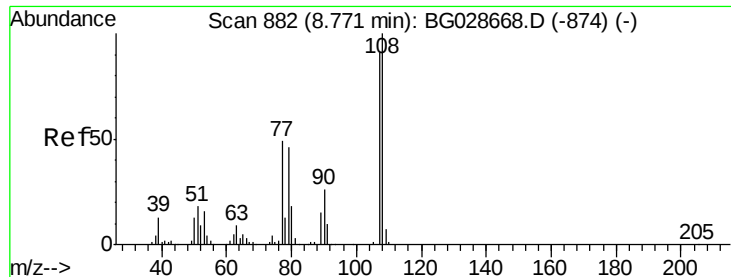
77 12.4 0.0 30.6

79 10.4 0.0 28.5



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

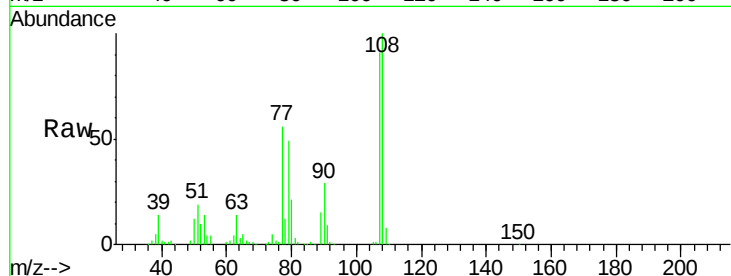




#17  
2-Methylphenol  
Concen: 42.59 ng  
RT: 8.73 min Scan# 874  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

Instrument :  
BNA\_G  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 86806 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 110.3 | 85.6  | 128.4 |
| 77       | 61.7  | 51.4  | 77.2  |
| 79       | 54.1  | 49.2  | 73.8  |



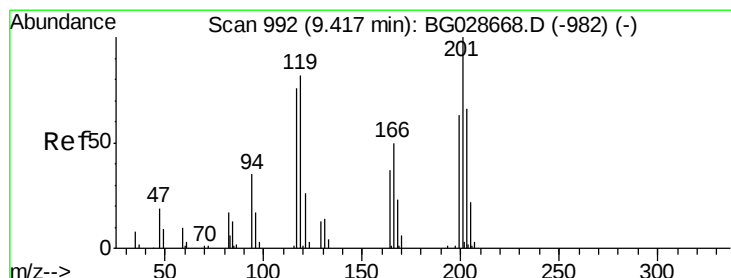
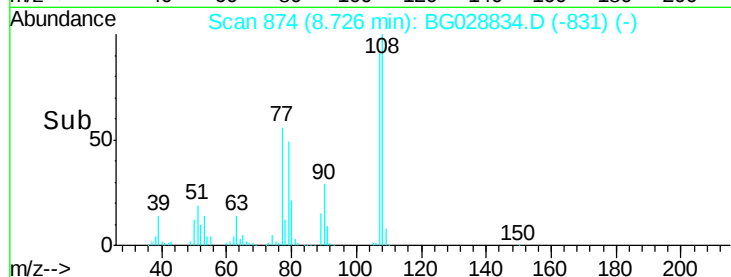
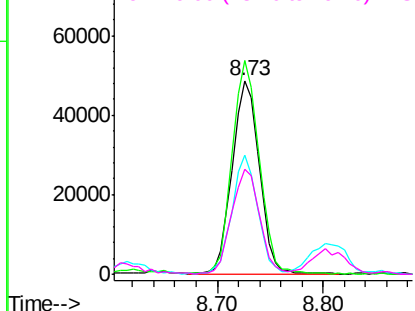
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

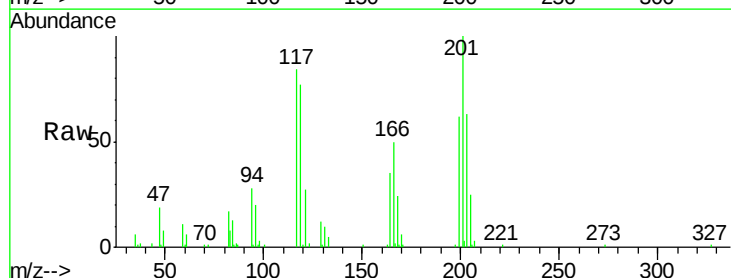
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 40.76 ng  
RT: 9.37 min Scan# 984  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 36193 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 91.9  | 69.8  | 104.6 |
| 201      | 119.2 | 95.4  | 143.0 |

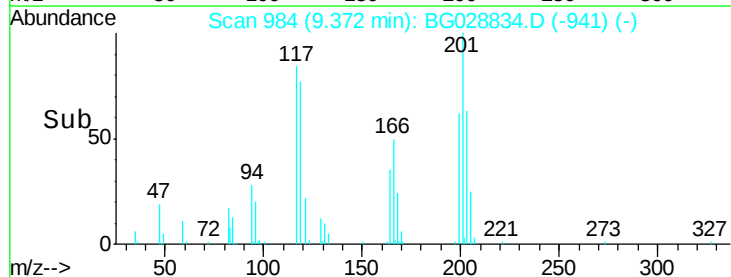
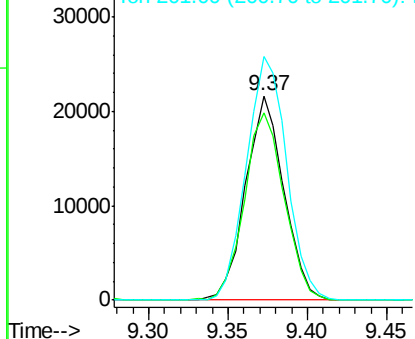


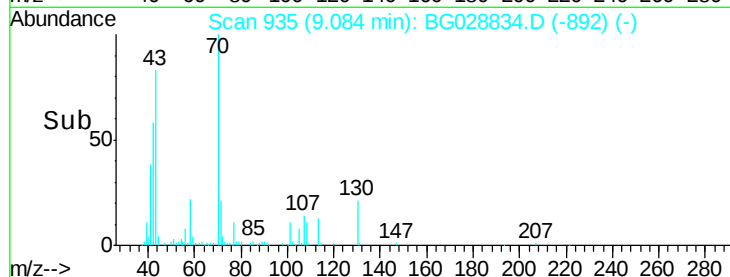
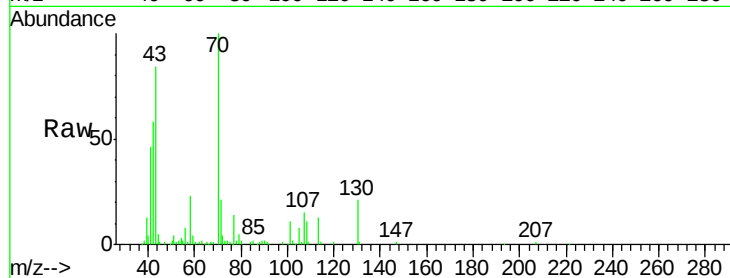
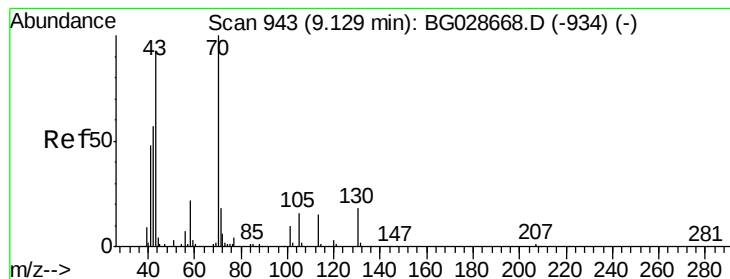
Abundance

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: 37.61 ng

RT: 9.08 min Scan# 935

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 78797

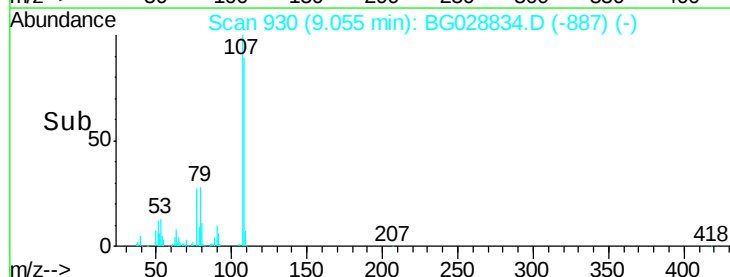
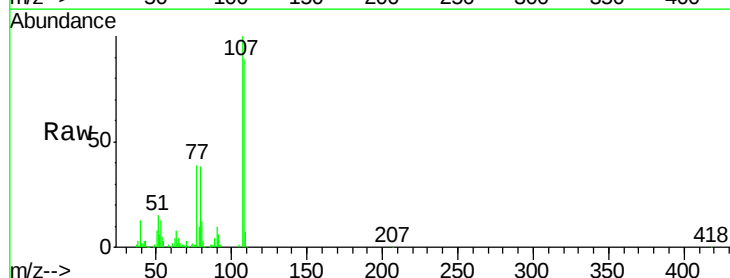
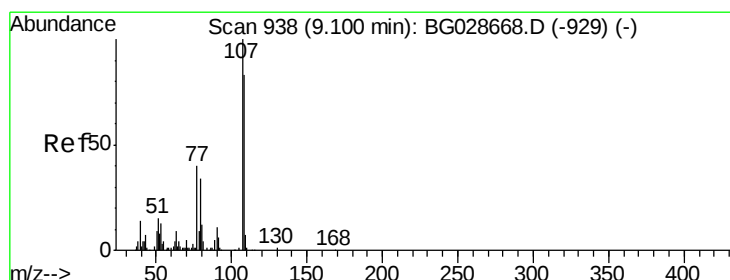
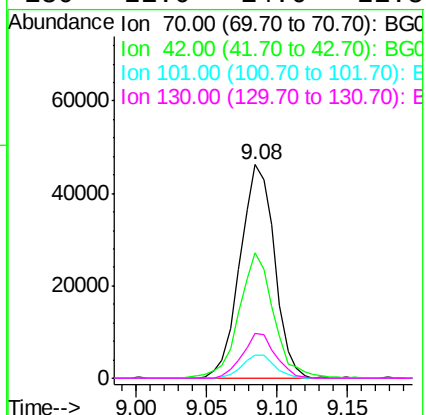
Ion Ratio Lower Upper

70 100

42 58.5 56.1 84.1

101 10.8 7.5 11.3

130 21.0 14.6 21.8



#20

3+4-Methylphenols

Concen: 42.28 ng

RT: 9.05 min Scan# 930

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Tgt Ion:107 Resp: 120526

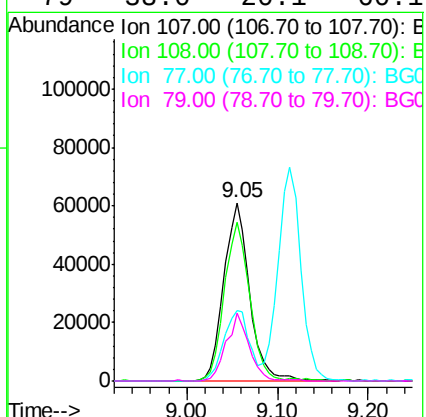
Ion Ratio Lower Upper

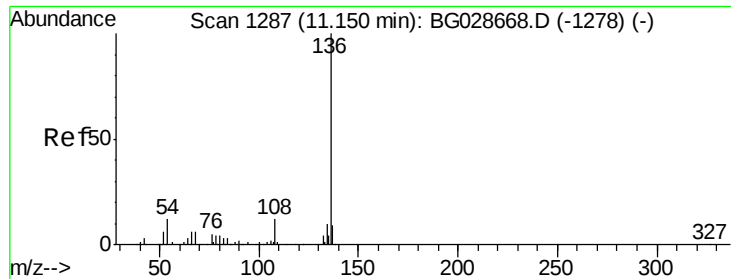
107 100

108 88.8 70.8 110.8

77 39.3 25.8 65.8

79 38.0 20.1 60.1

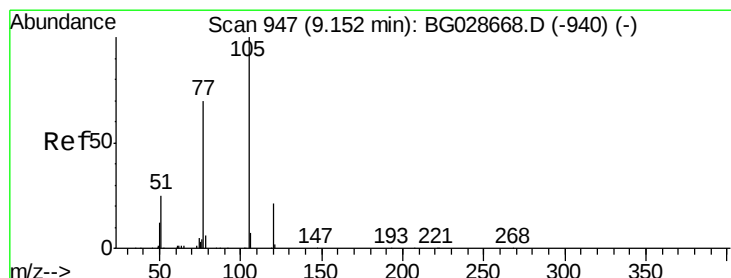
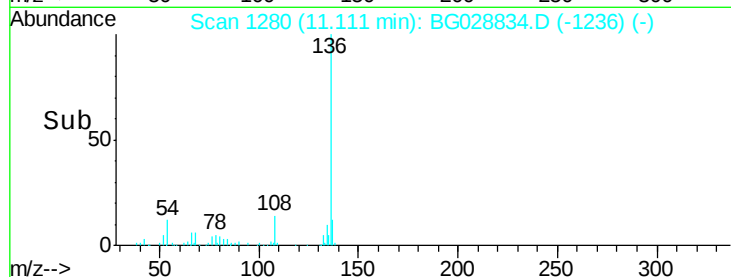
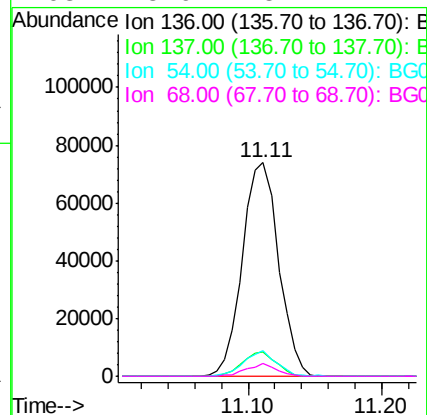
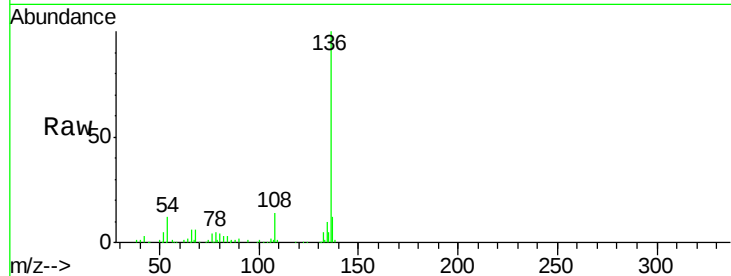




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.11 min Scan# 1280  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

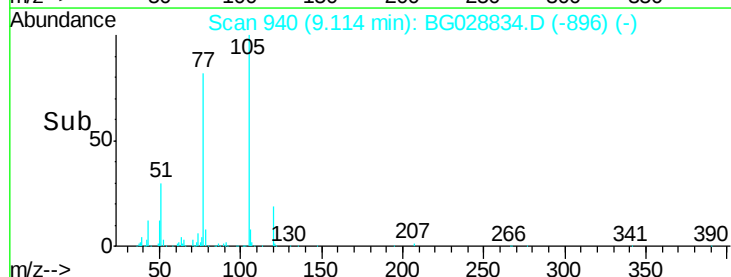
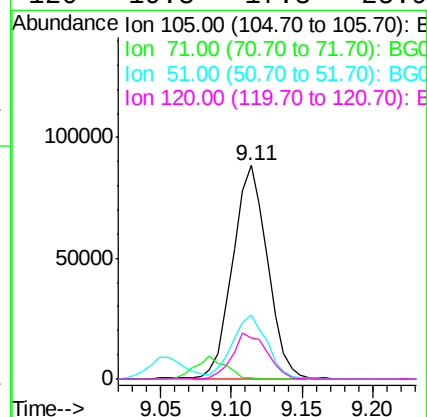
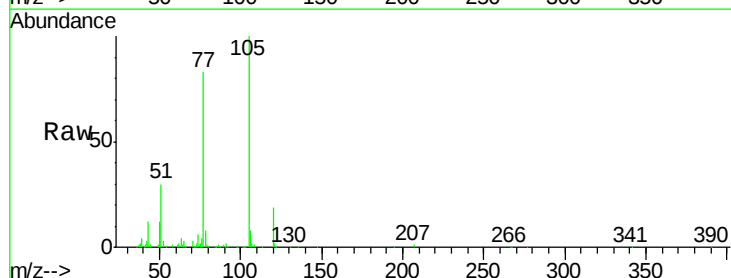
Instrument :  
BNA\_G  
ClientSampleId :

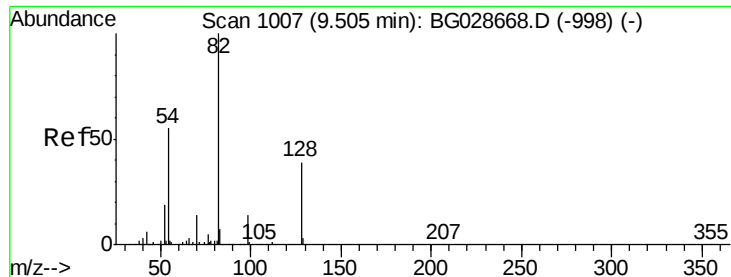
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 138856 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.7    | 8.9   | 13.3   |
| 54 12.2     | 9.3   | 13.9   |
| 68 5.9      | 5.1   | 7.7    |



#22  
Acetophenone  
Concen: 37.47 ng  
RT: 9.11 min Scan# 940  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 152121 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 0.4     | 0.9   | 1.3#   |
| 51  | 29.9    | 34.0  | 51.0#  |
| 120 | 19.3    | 17.3  | 25.9   |

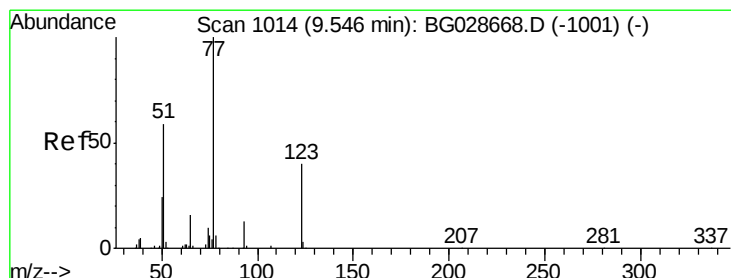
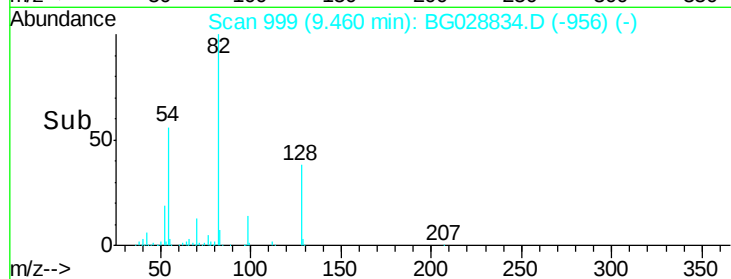
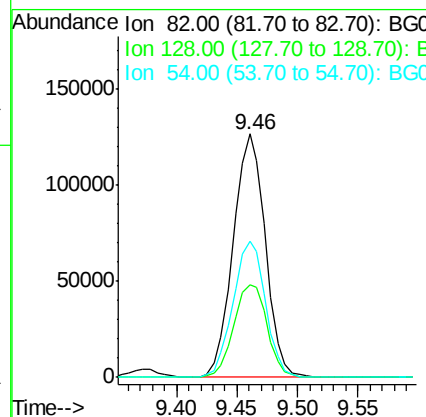
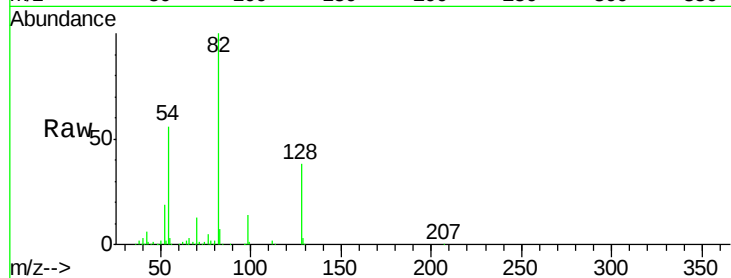




#23  
 Nitrobenzene-d5  
 Concen: 80.50 ng  
 RT: 9.46 min Scan# 999  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

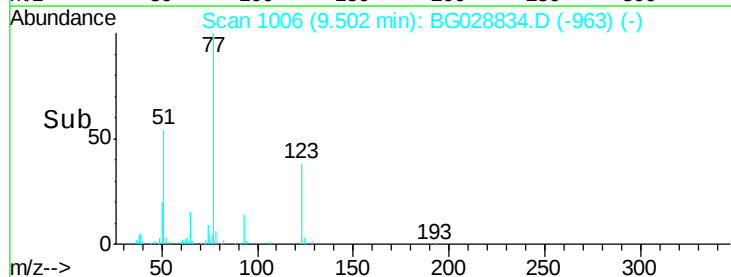
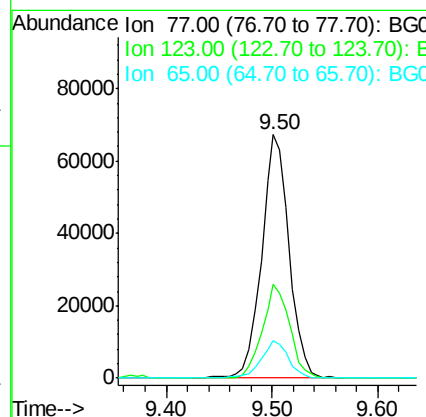
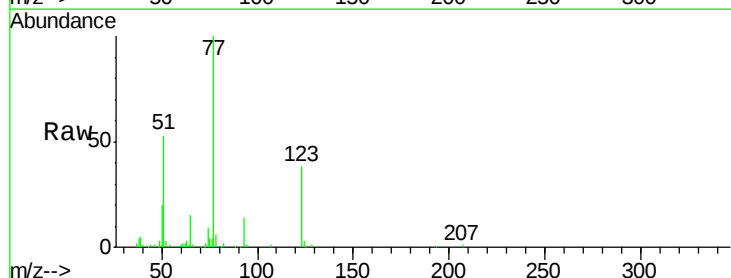
Instrument :  
 BNA\_G  
 ClientSampleId :

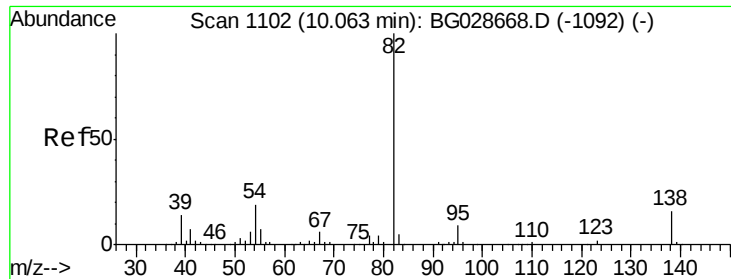
| Tot Ion | 82    | Resp  | 233651 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 38.2  | 26.4  | 39.6   |
| 54      | 55.6  | 49.4  | 74.2   |



#24  
 Nitrobenzene  
 Concen: 37.76 ng  
 RT: 9.50 min Scan# 1006  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

| Tgt Ion | 77    | Resp  | 121370 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 38.3  | 26.1  | 39.1   |
| 65      | 15.4  | 12.4  | 18.6   |





#25

Isophorone

Concen: 37.22 ng

RT: 10.02 min Scan# 1094

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

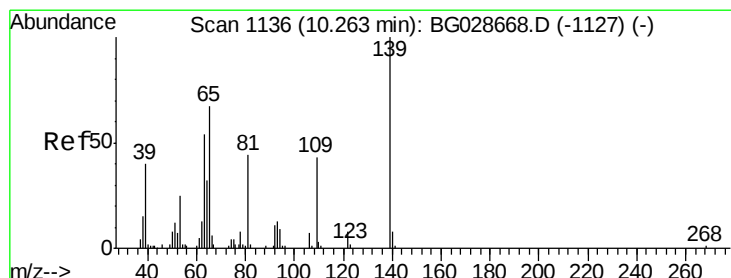
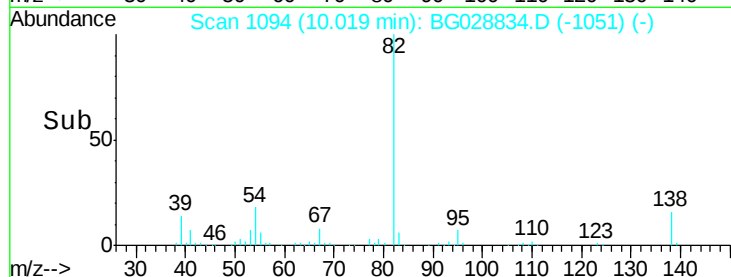
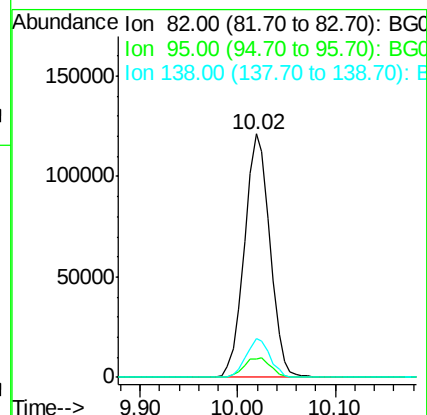
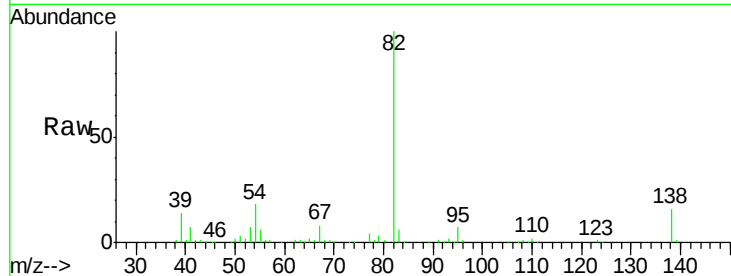
Tot Ion: 82 Resp: 218623

Ion Ratio Lower Upper

82 100

95 7.5 7.5 11.3#

138 16.2 12.3 18.5



#26

2-Nitrophenol

Concen: 38.88 ng

RT: 10.22 min Scan# 1128

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

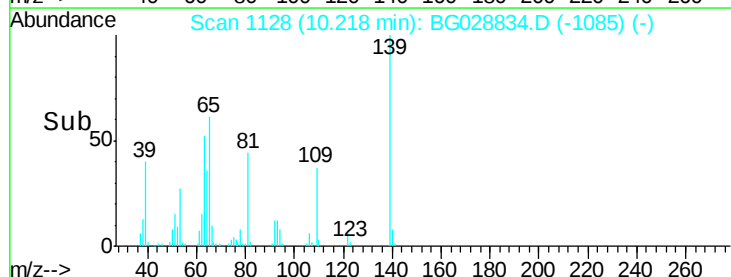
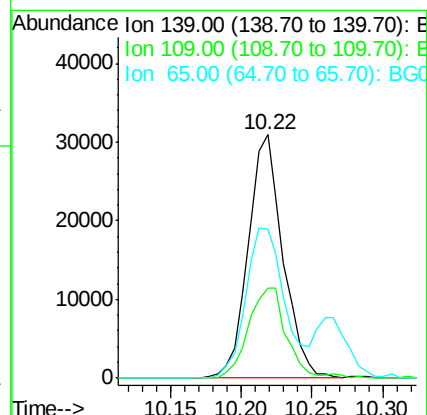
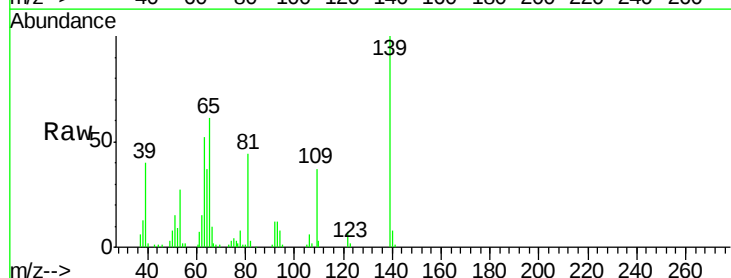
Tgt Ion: 139 Resp: 53180

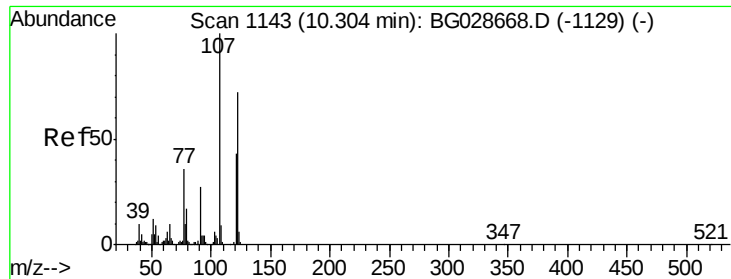
Ion Ratio Lower Upper

139 100

109 37.1 38.6 58.0#

65 61.2 57.1 85.7

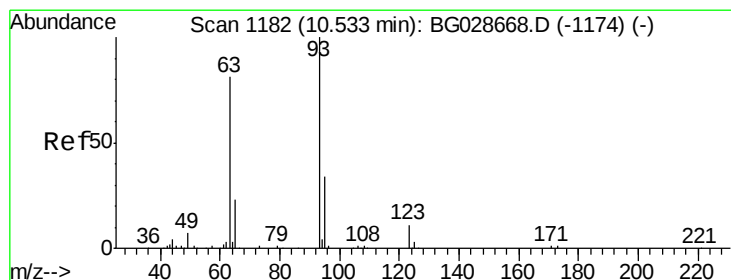
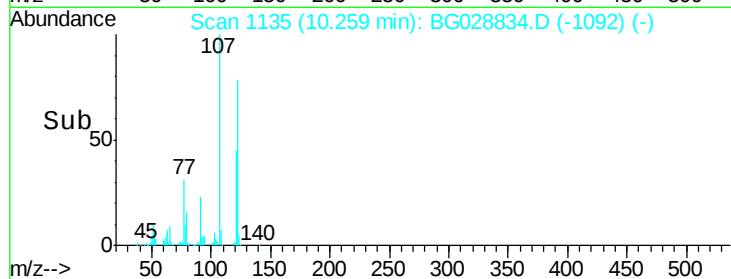
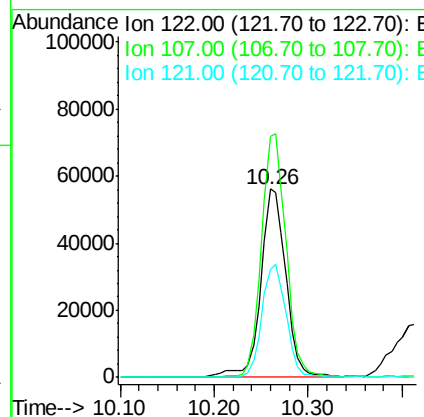
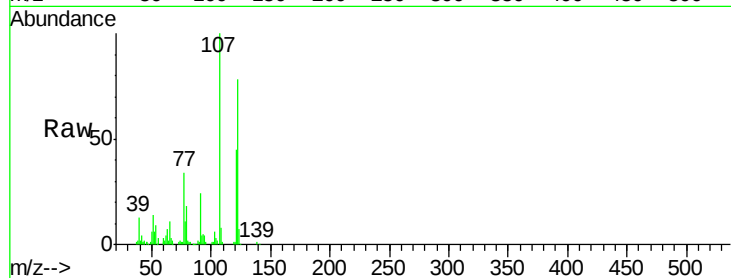




#27  
 2,4-Dimethylphenol  
 Concen: 41.62 ng  
 RT: 10.26 min Scan# 1135  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

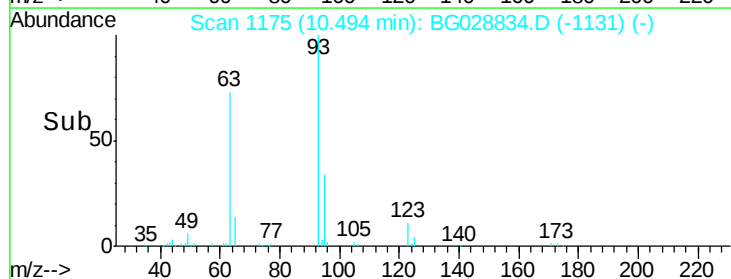
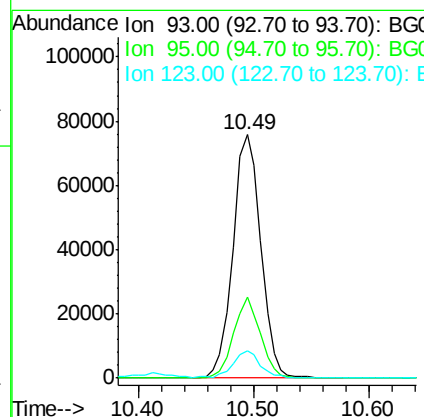
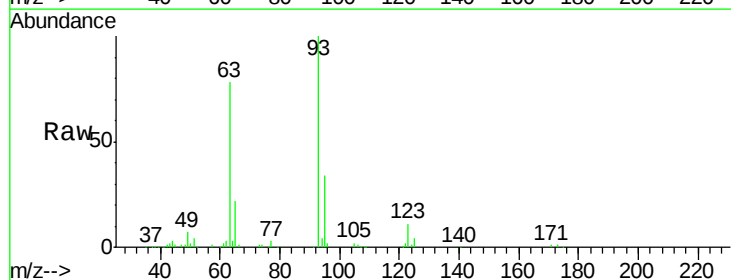
Instrument :  
 BNA\_G  
 ClientSampleId :

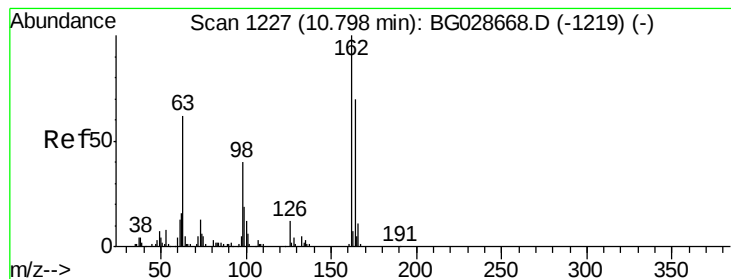
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 127.9 | 104.2 | 156.4 |
| 121     | 57.0  | 46.0  | 69.0  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.72 ng  
 RT: 10.49 min Scan# 1175  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.5  | 25.7  | 38.5  |
| 123     | 11.3  | 8.3   | 12.5  |





#29

2,4-Dichlorophenol

Concen: 42.28 ng

RT: 10.76 min Scan# 1220

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

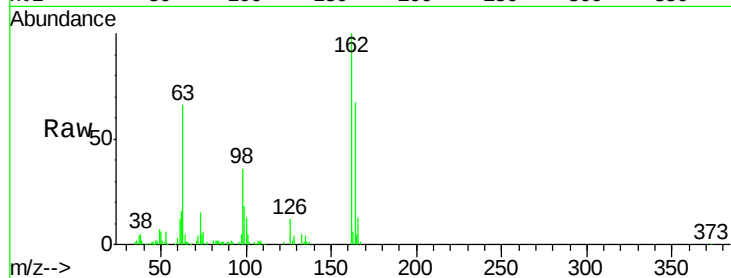
Tot Ion:162 Resp: 105178

Ion Ratio Lower Upper

162 100

164 67.1 42.4 82.4

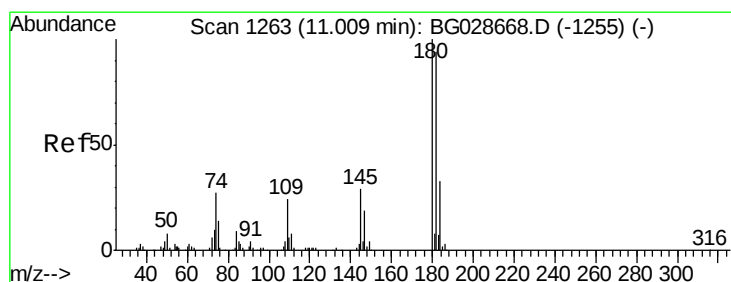
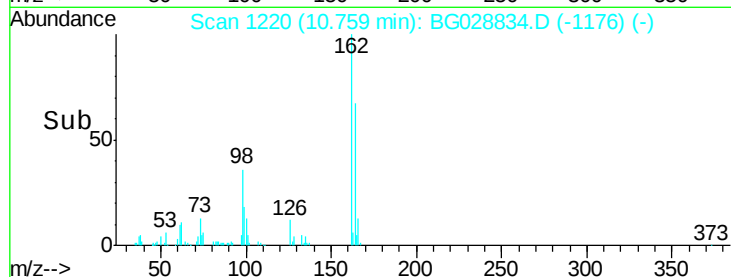
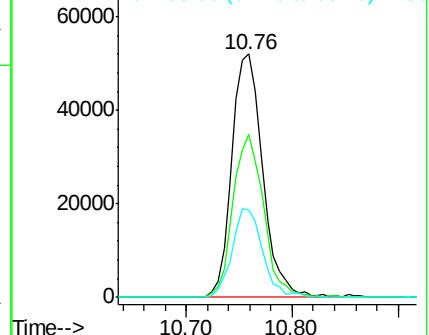
98 36.0 20.3 60.3



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: 40.15 ng

RT: 10.97 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

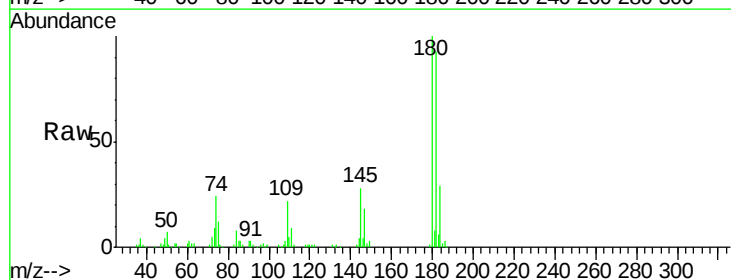
Tgt Ion:180 Resp: 113951

Ion Ratio Lower Upper

180 100

182 93.4 77.0 115.4

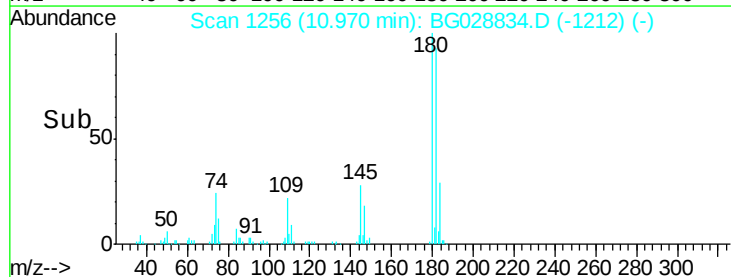
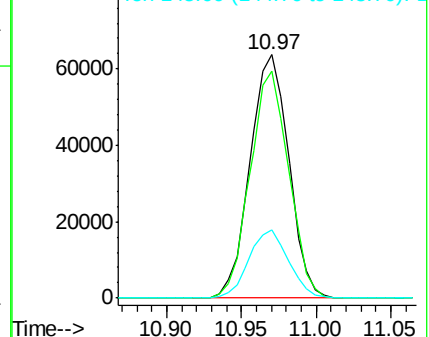
145 27.9 23.4 35.0

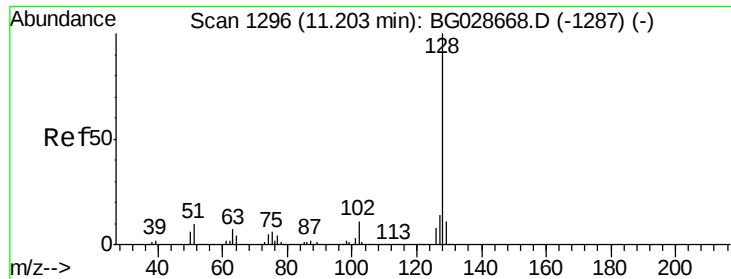


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

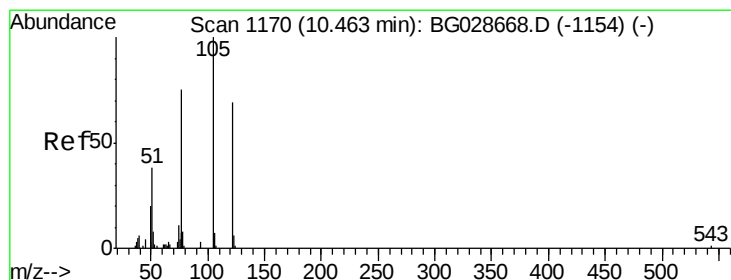
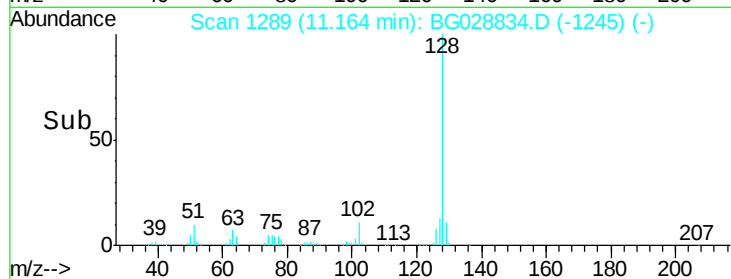
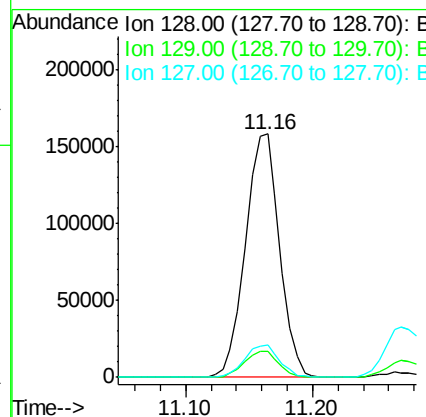
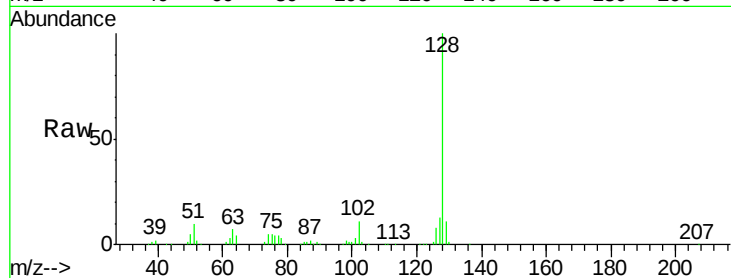




#31  
Naphthalene  
Concen: 40.67 ng  
RT: 11.16 min Scan# 1289  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

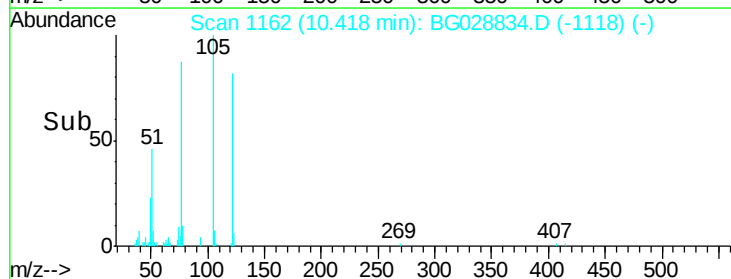
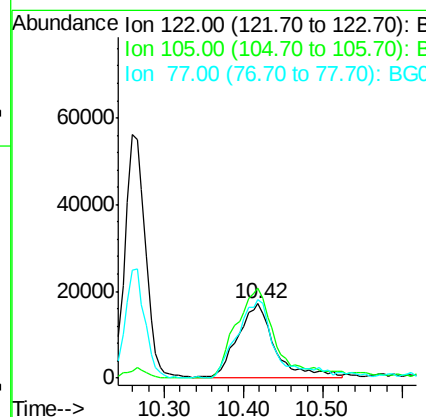
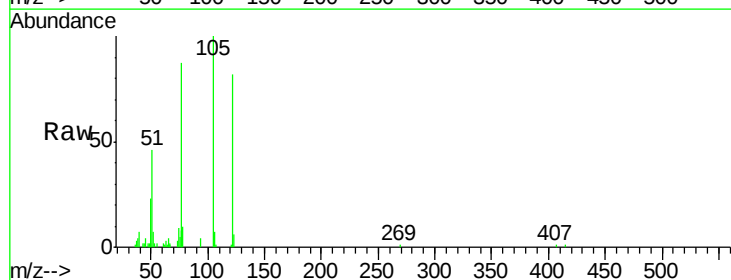
Instrument :  
BNA\_G  
ClientSampleId :

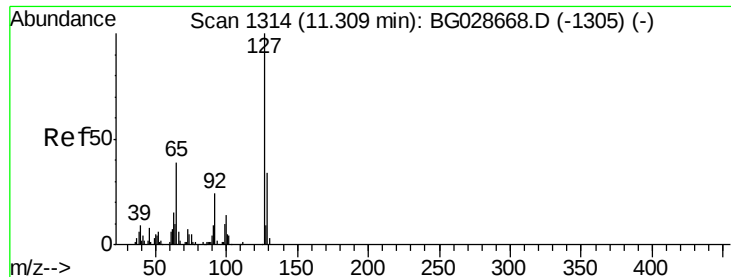
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 9.3   | 13.9  |
| 127     | 13.4  | 11.4  | 17.0  |



#32  
Benzoic acid  
Concen: 32.57 ng  
RT: 10.42 min Scan# 1162  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 121.8 | 120.1 | 160.1 |
| 77      | 105.6 | 104.6 | 144.6 |

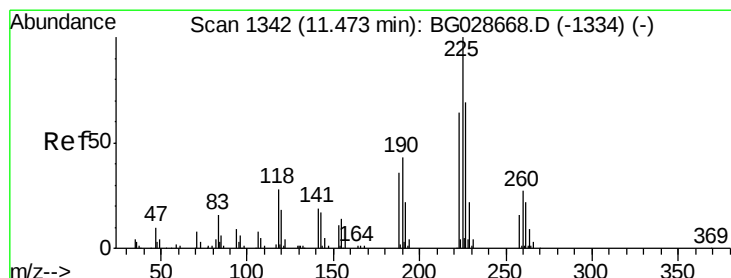
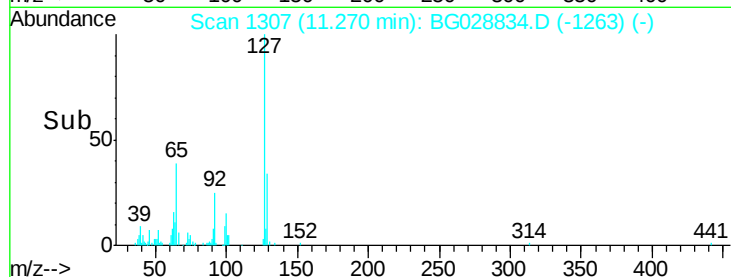
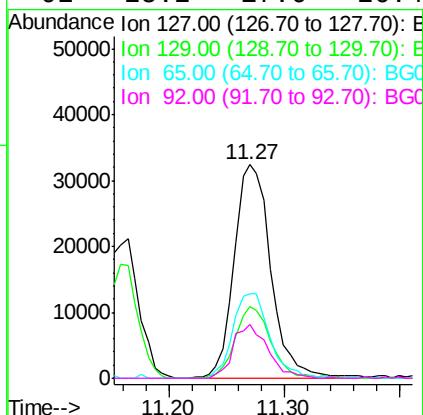
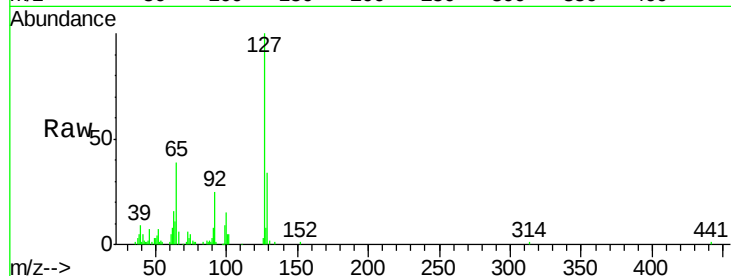




#33  
4-Chloroaniline  
Concen: 23.47 ng  
RT: 11.27 min Scan# 1307  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

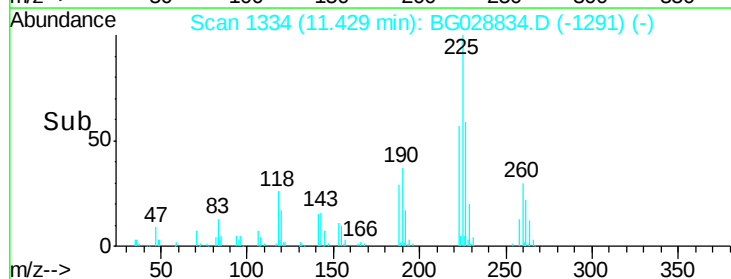
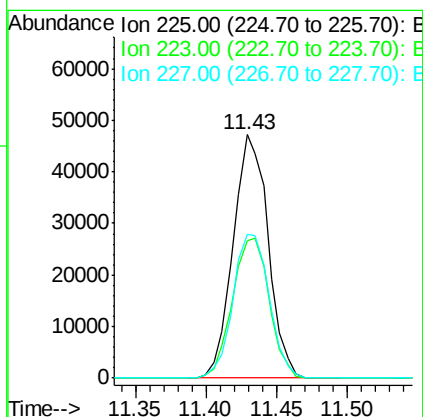
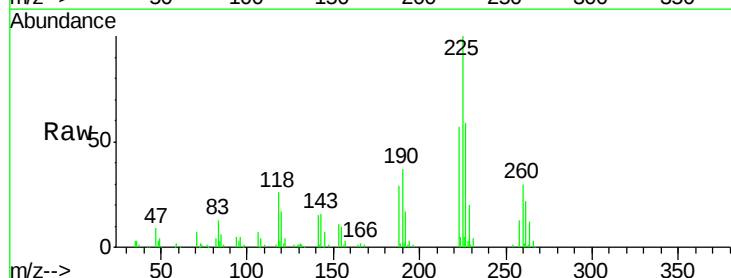
Instrument :  
BNA\_G  
ClientSampled :

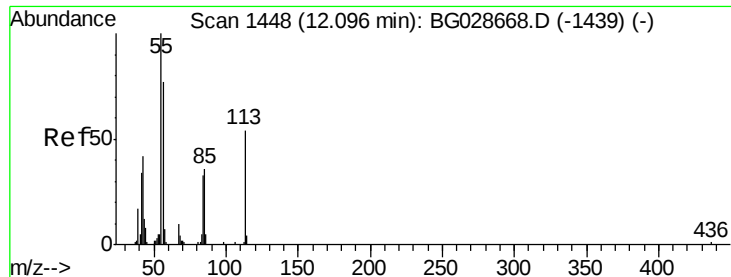
|             |       |       |
|-------------|-------|-------|
| Tot Ion:127 | Resp: | 71311 |
| Ion Ratio   | Lower | Upper |
| 127 100     |       |       |
| 129 33.8    | 23.6  | 35.4  |
| 65 39.5     | 37.7  | 56.5  |
| 92 25.2     | 17.6  | 26.4  |



#34  
Hexachlorobutadiene  
Concen: 38.92 ng  
RT: 11.43 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:225 | Resp: | 81364 |
| Ion | Ratio   | Lower | Upper |
| 225 | 100     |       |       |
| 223 | 56.5    | 50.7  | 76.1  |
| 227 | 59.3    | 49.0  | 73.6  |

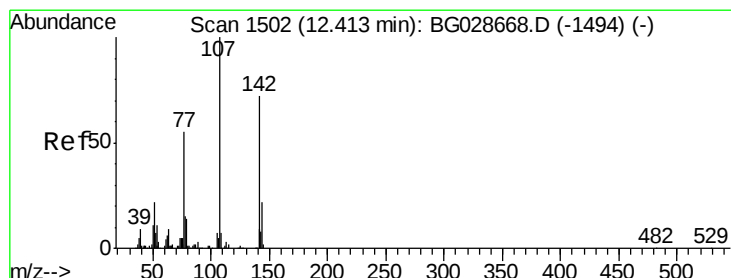
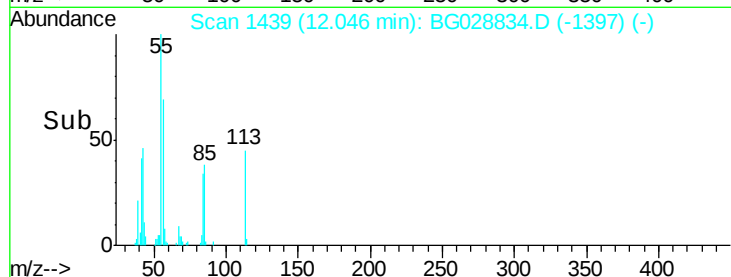
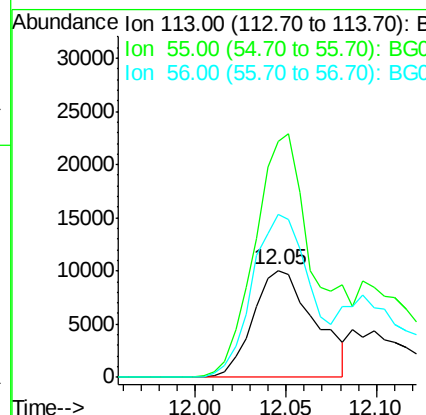
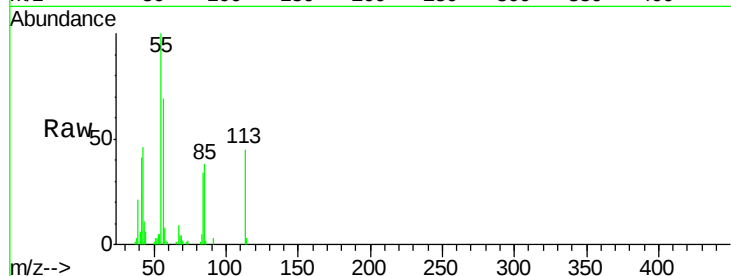




#35  
 Caprolactam  
 Concen: 26.58 ng  
 RT: 12.05 min Scan# 1439  
 Delta R.T. -0.05 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

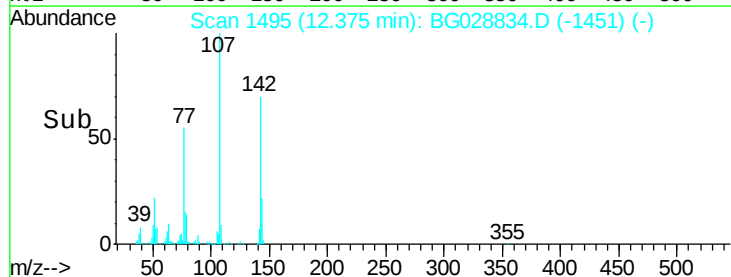
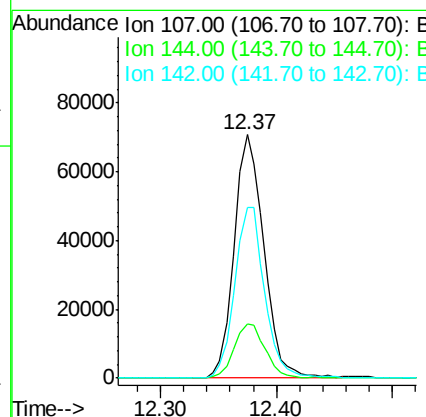
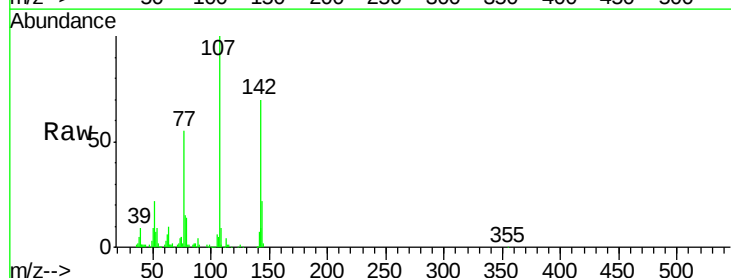
Instrument :  
 BNA\_G  
 ClientSampleId :

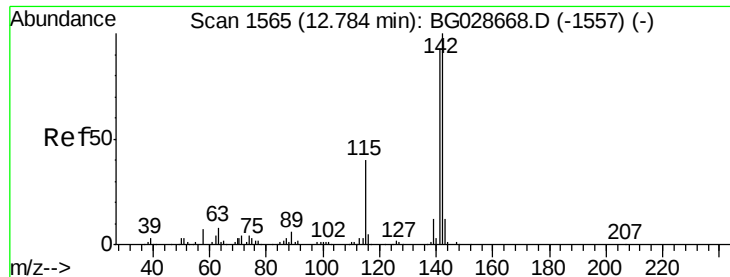
Tot Ion:113 Resp: 23716  
 Ion Ratio Lower Upper  
 113 100  
 55 221.1 198.6 238.6  
 56 153.1 140.4 180.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 38.98 ng  
 RT: 12.37 min Scan# 1495  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

Tgt Ion:107 Resp: 126214  
 Ion Ratio Lower Upper  
 107 100  
 144 22.4 17.4 26.0  
 142 70.3 54.1 81.1

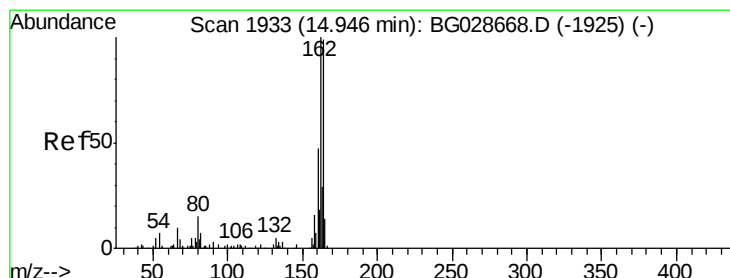
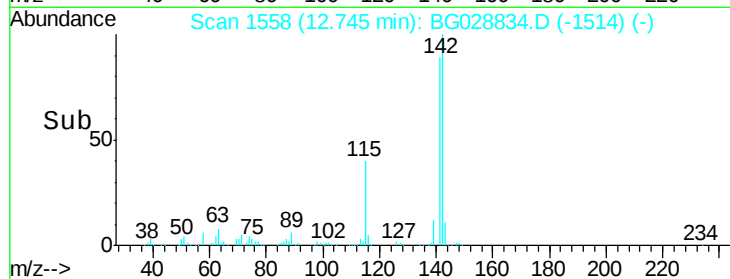
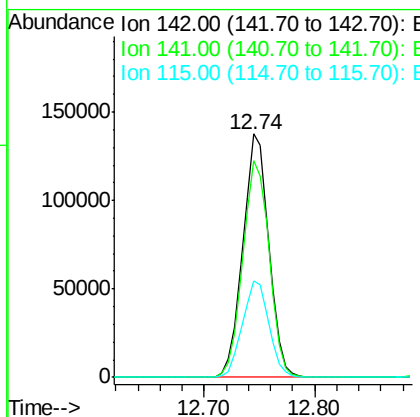
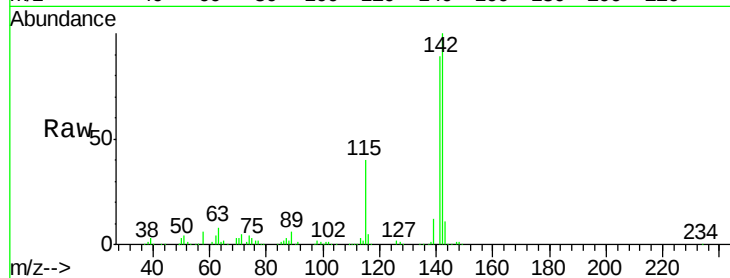




#37  
2-Methylnaphthalene  
Concen: 42.12 ng  
RT: 12.74 min Scan# 1558  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

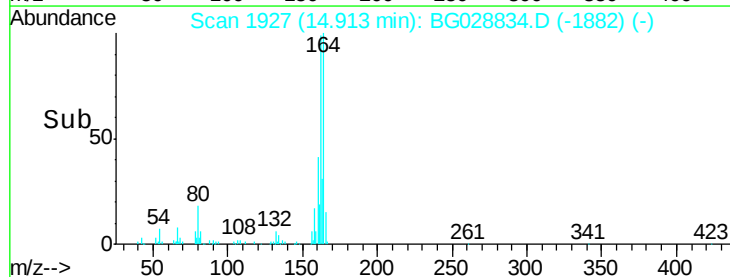
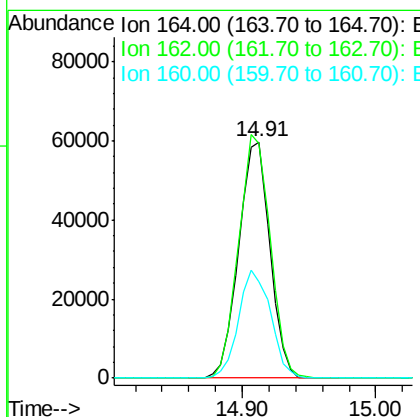
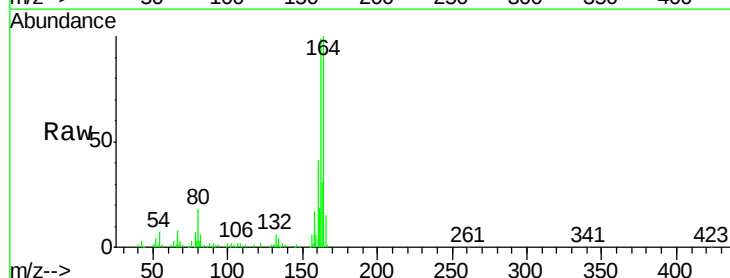
Instrument :  
BNA\_G  
ClientSampleId :

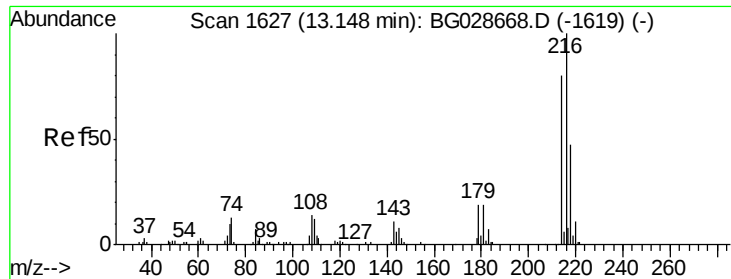
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 70.4  | 105.6 |
| 115     | 39.6  | 35.5  | 53.3  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.91 min Scan# 1927  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.5  | 85.1  | 127.7 |
| 160     | 40.9  | 34.7  | 52.1  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.54 ng

RT: 13.11 min Scan# 1620

Delta R.T. -0.04 min

Lab File: BG028834.D

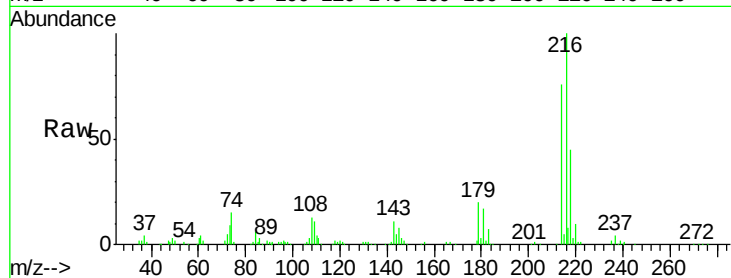
Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 152818    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 75.4  | 64.4 96.6 |
| 179         | 18.9  | 17.4 26.0 |
| 108         | 15.2  | 15.6 23.4 |

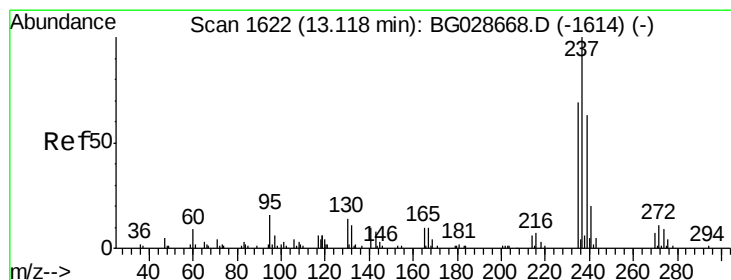
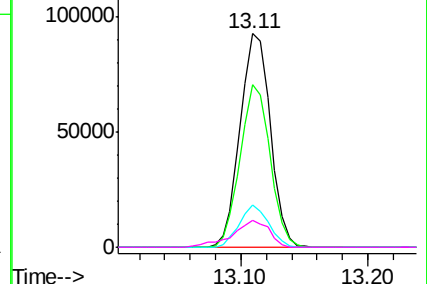
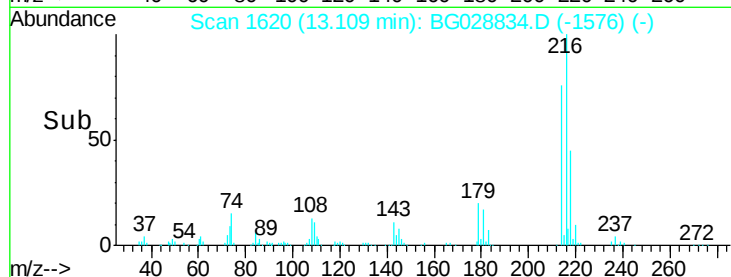


Abundance Ion 216.00 (215.70 to 216.70): E

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: 92.59 ng

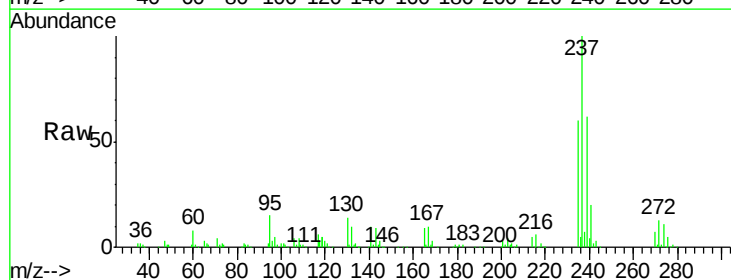
RT: 13.09 min Scan# 1616

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

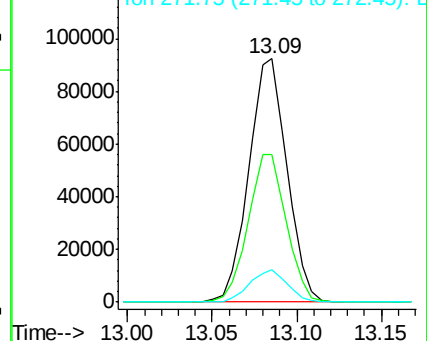
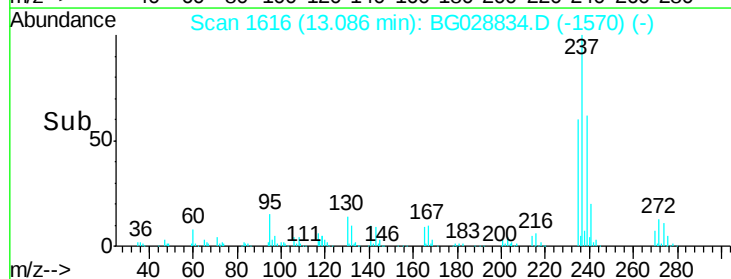
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 144650    |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 60.5  | 39.4 79.4 |
| 272         | 13.1  | 0.0 32.0  |

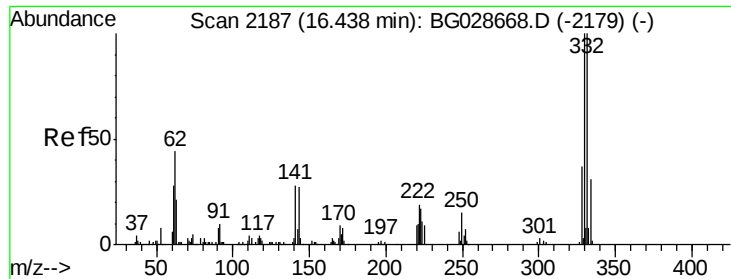


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

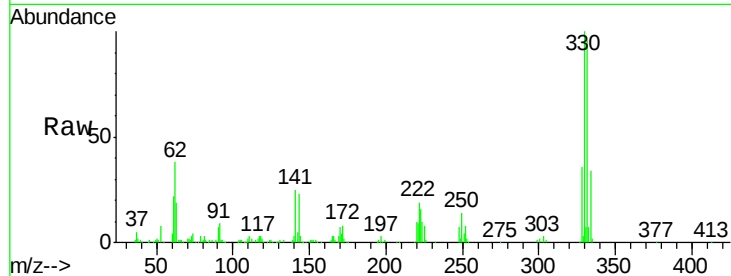




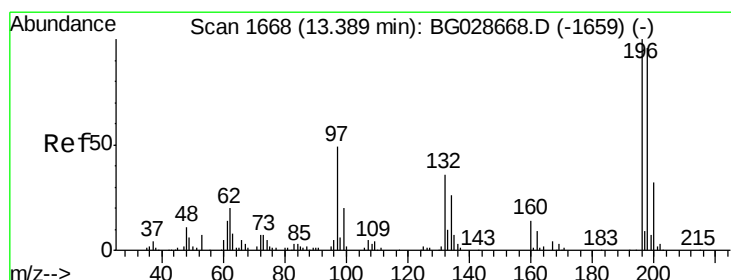
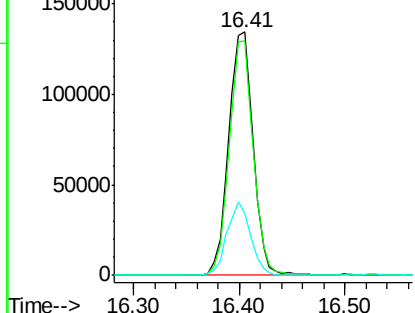
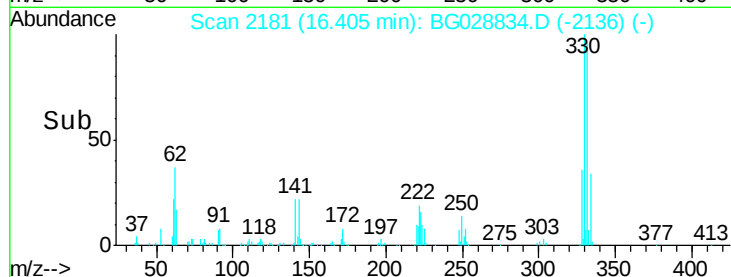
#41  
 2,4,6-Tribromophenol  
 Concen: 134.26 ng  
 RT: 16.41 min Scan# 2181  
 Delta R.T. -0.03 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 77.3  | 115.9 |
| 141     | 29.1  | 32.1  | 48.1# |

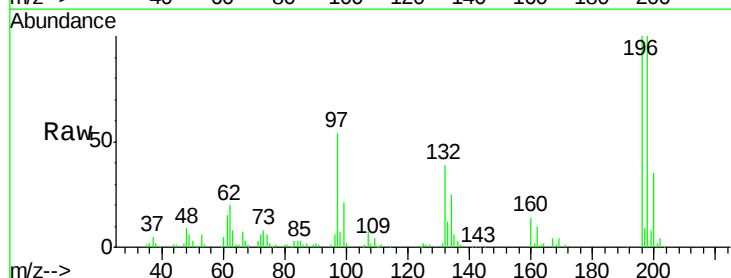


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

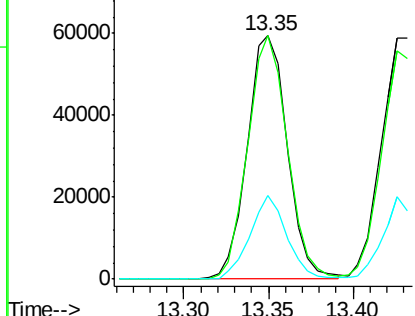
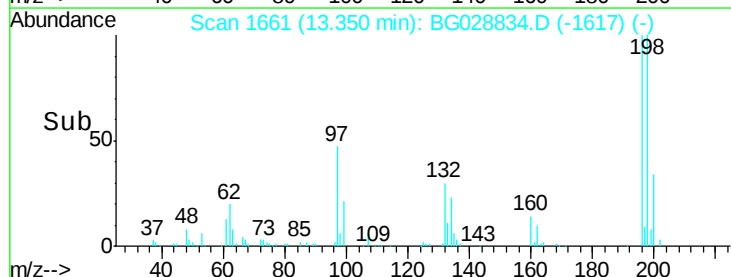


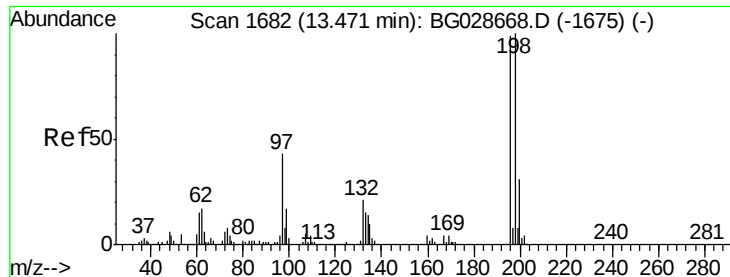
#42  
 2,4,6-Trichlorophenol  
 Concen: 39.04 ng  
 RT: 13.35 min Scan# 1661  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.9  | 81.4  | 122.2 |
| 200     | 34.6  | 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

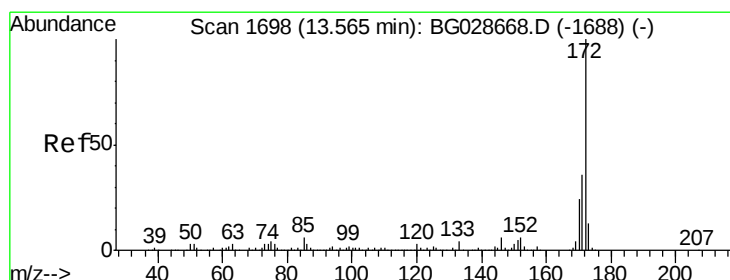
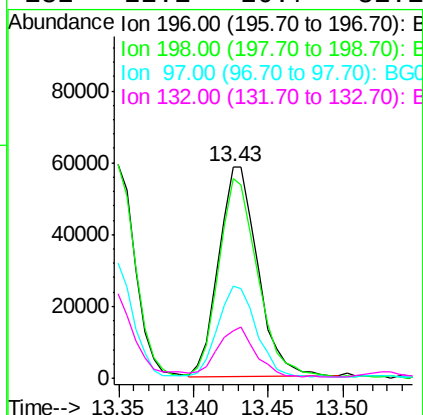
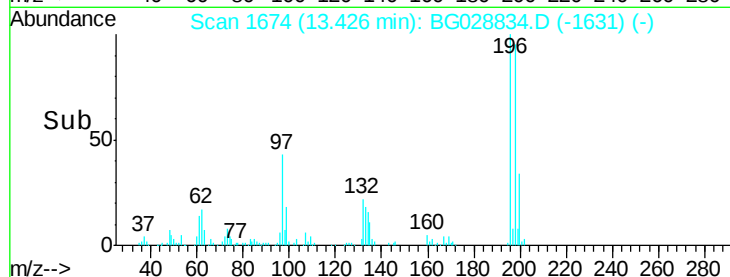
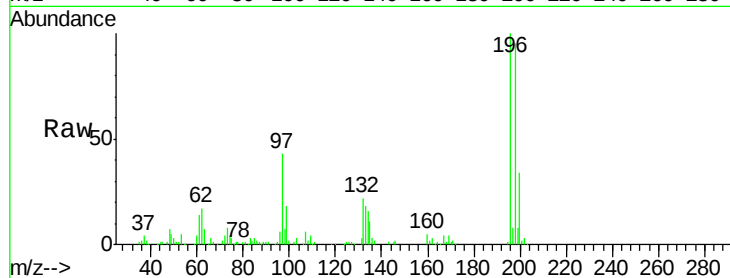




#43  
2,4,5-Trichlorophenol  
Concen: 42.48 ng  
RT: 13.43 min Scan# 1674  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

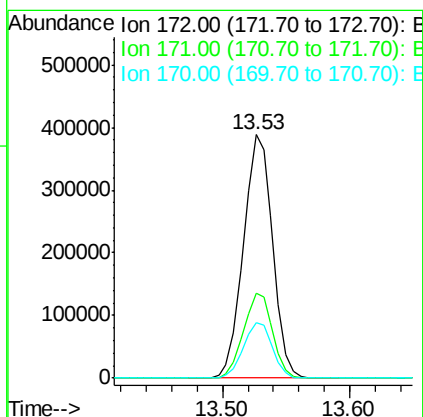
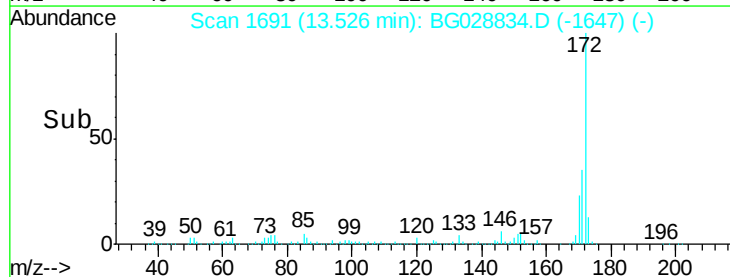
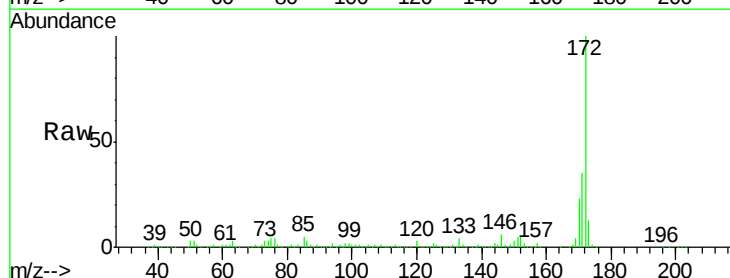
Instrument :  
BNA\_G  
ClientSampleId :

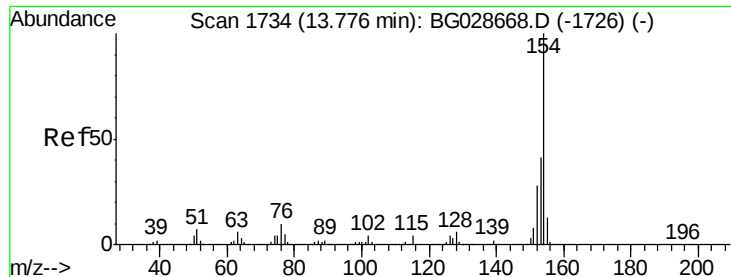
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.6  | 79.9  | 119.9 |
| 97      | 43.4  | 45.4  | 68.0  |
| 132     | 22.1  | 20.7  | 31.1  |



#44  
2-Fluorobiphenyl  
Concen: 85.38 ng  
RT: 13.53 min Scan# 1691  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 32.2  | 48.2  |
| 170     | 22.8  | 21.8  | 32.6  |

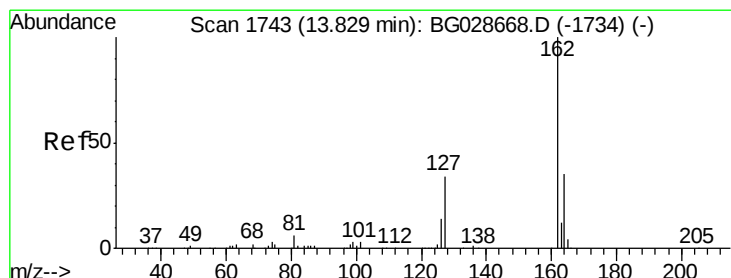
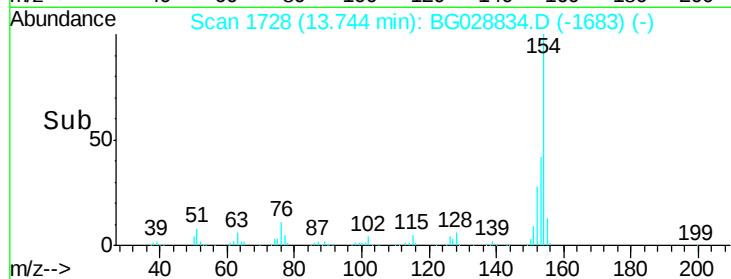
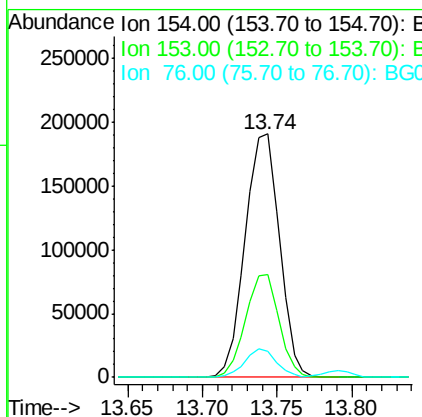
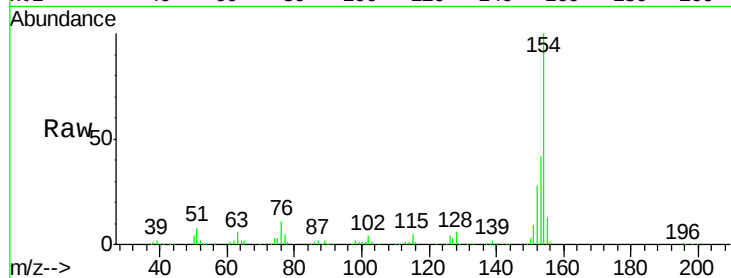




#45  
 1,1'-Biphenyl  
 Concen: 38.11 ng  
 RT: 13.74 min Scan# 1728  
 Delta R.T. -0.03 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

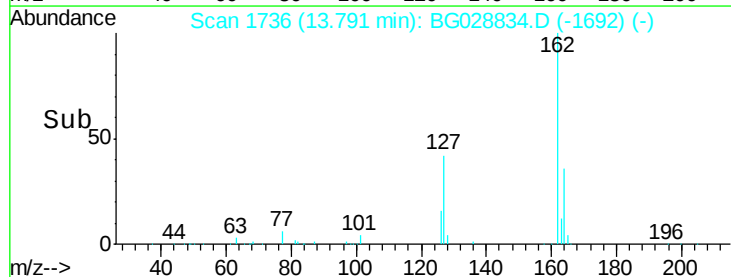
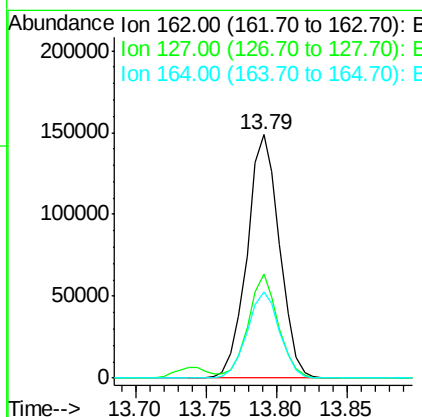
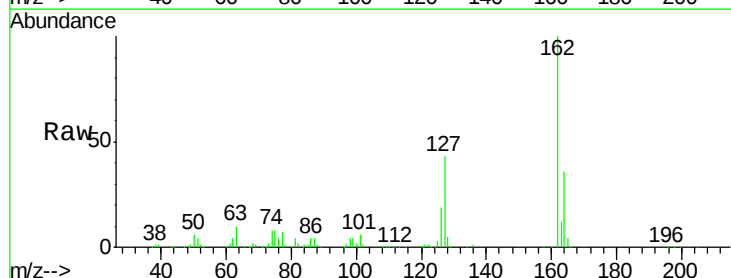
Instrument :  
 BNA\_G  
 ClientSampleId :

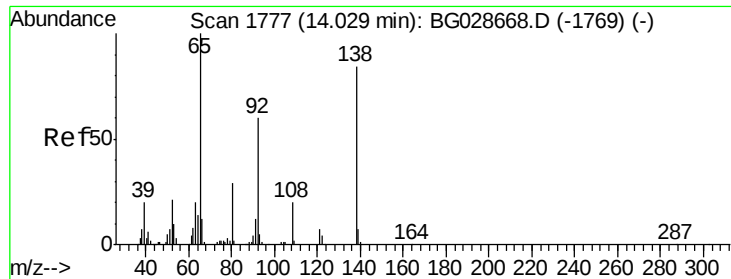
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.2  | 23.0  | 63.0  |
| 76      | 10.6  | 0.0   | 33.5  |



#46  
 2-Chloronaphthalene  
 Concen: 40.89 ng  
 RT: 13.79 min Scan# 1736  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.6  | 32.2  | 48.4  |
| 164     | 35.5  | 27.3  | 40.9  |

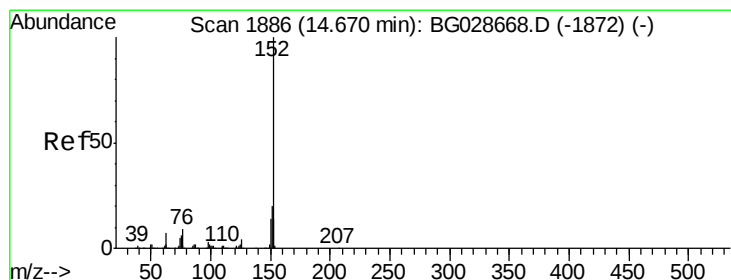
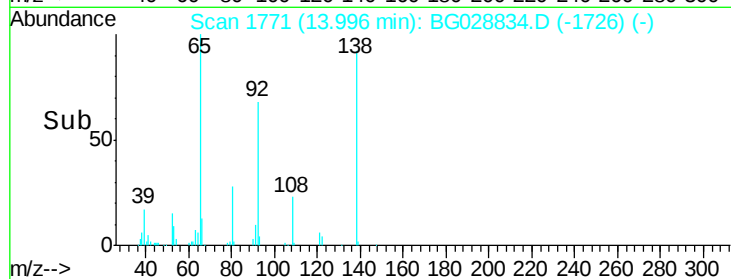
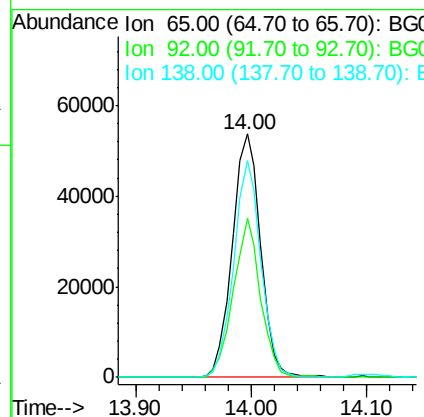
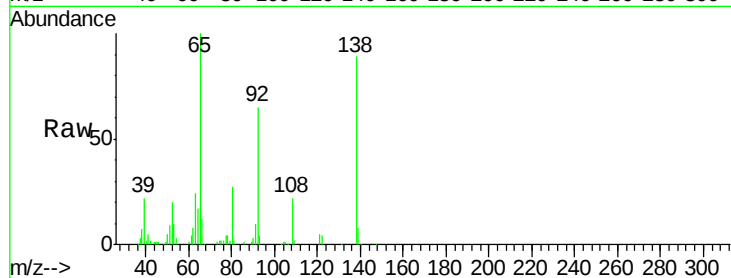




#47  
2-Nitroaniline  
Concen: 42.21 ng  
RT: 14.00 min Scan# 1771  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

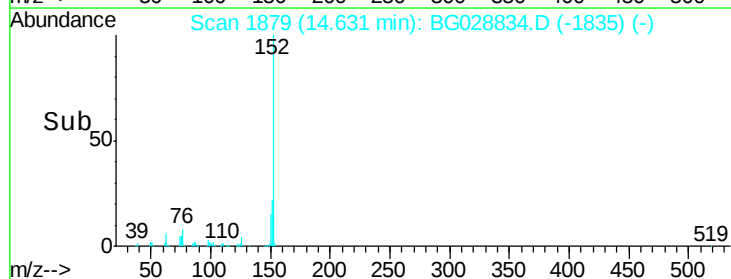
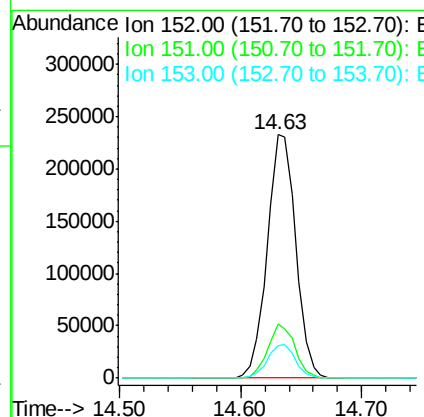
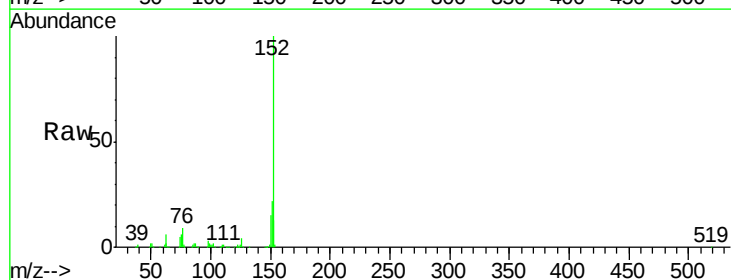
Instrument :  
BNA\_G  
ClientSampleId :

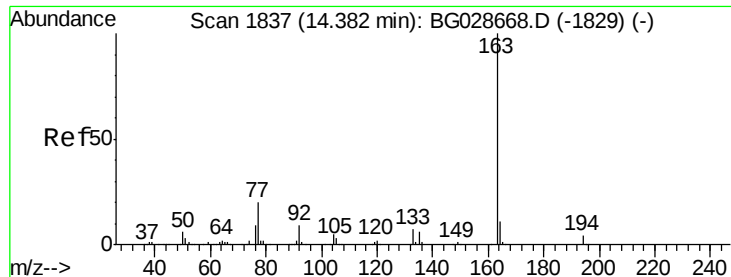
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.2  | 49.0  | 73.4  |
| 138     | 89.3  | 58.6  | 87.8  |



#48  
Acenaphthylene  
Concen: 41.16 ng  
RT: 14.63 min Scan# 1879  
Delta R.T. -0.04 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.5  | 18.2  | 27.2  |
| 153     | 13.4  | 11.3  | 16.9  |

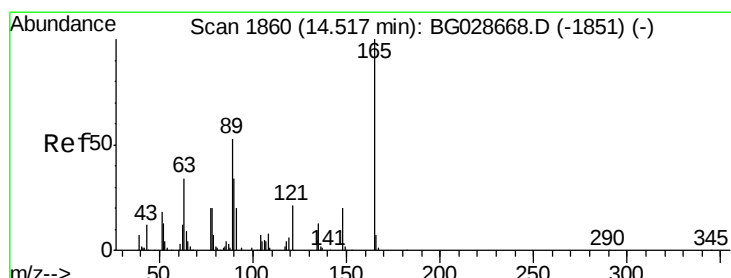
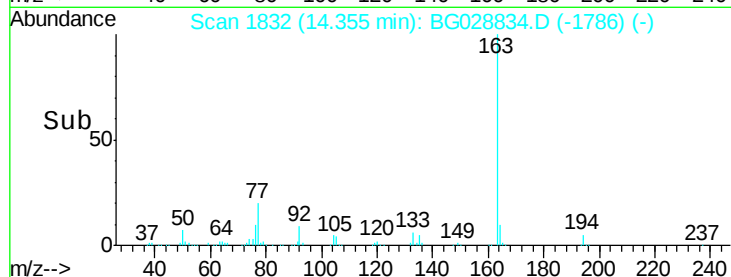
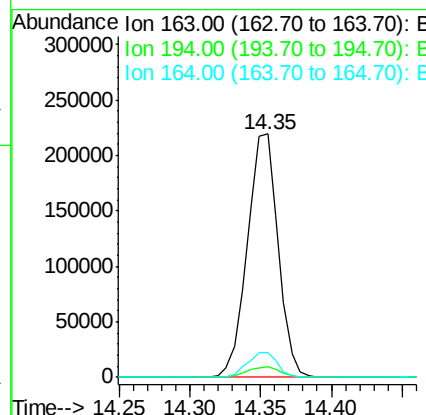
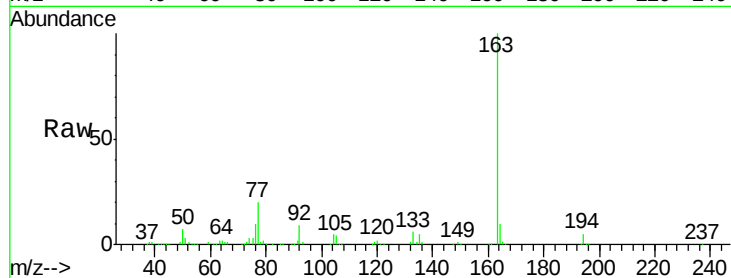




#49  
Dimethylphthalate  
Concen: 41.51 ng  
RT: 14.35 min Scan# 1832  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

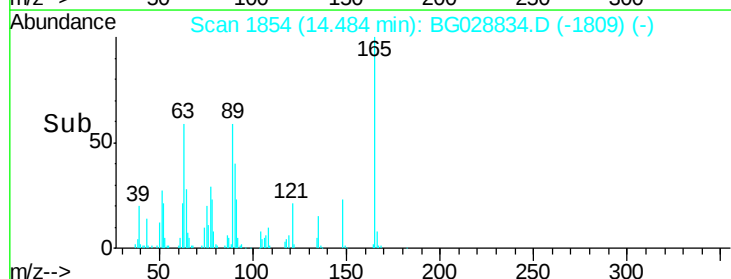
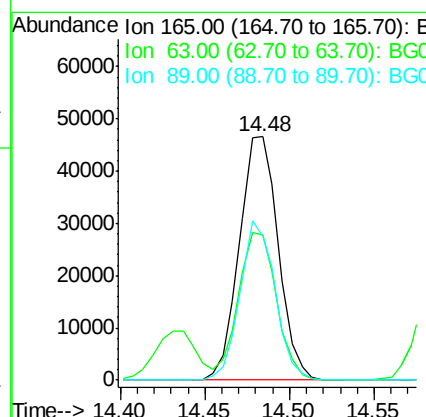
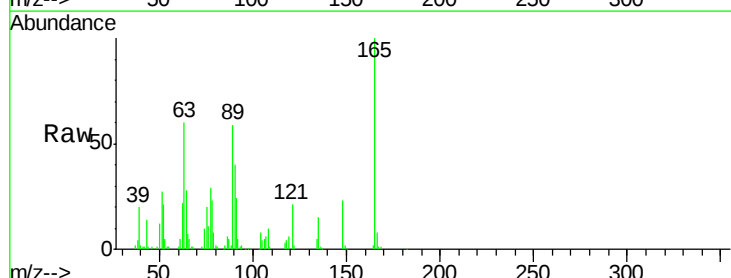
Instrument :  
BNA\_G  
ClientSampleId :

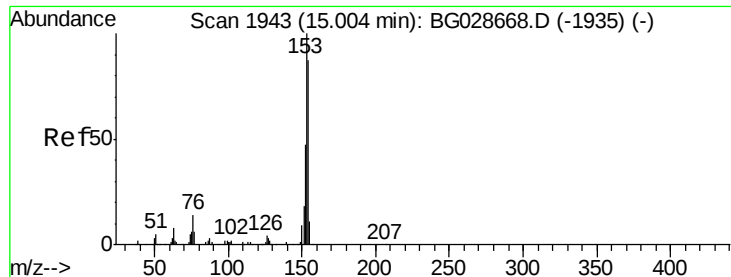
Tot Ion:163 Resp: 335599  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.8 5.6  
164 10.1 9.3 13.9



#50  
2,6-Dinitrotoluene  
Concen: 41.52 ng  
RT: 14.48 min Scan# 1854  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

Tgt Ion:165 Resp: 74701  
Ion Ratio Lower Upper  
165 100  
63 59.6 63.9 95.9#  
89 59.3 58.6 88.0





#51

Acenaphthene

Concen: 41.17 ng

RT: 14.97 min Scan# 1937

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

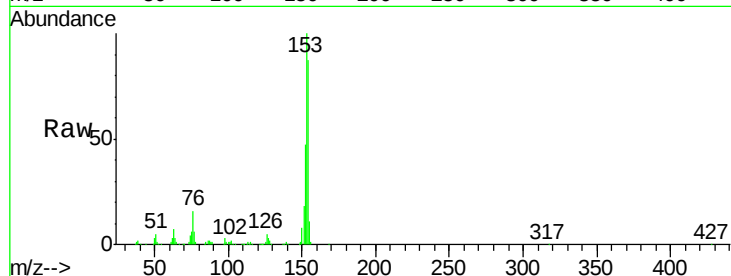
Tot Ion:154 Resp: 232651

Ion Ratio Lower Upper

154 100

153 115.2 87.8 131.6

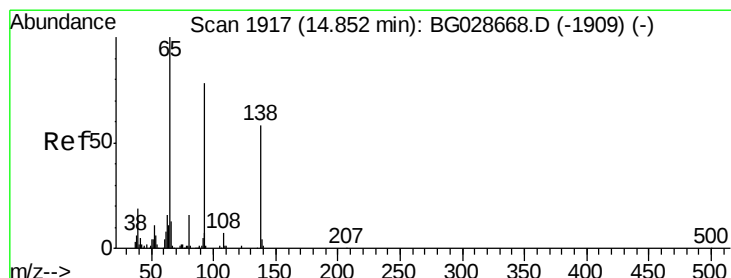
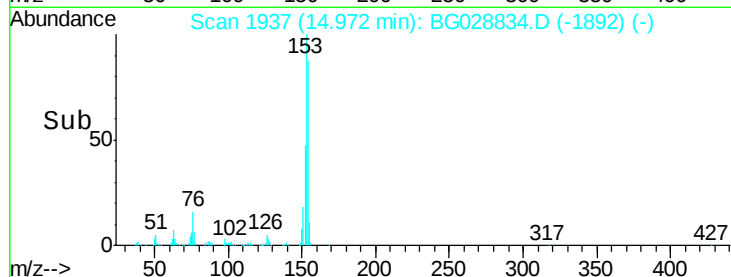
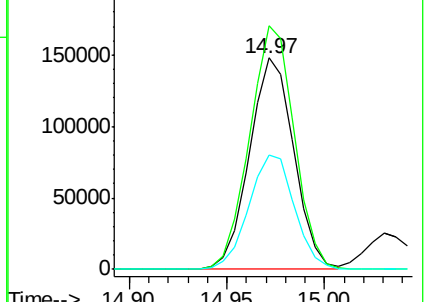
152 54.0 42.2 63.4



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: 31.97 ng

RT: 14.82 min Scan# 1911

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

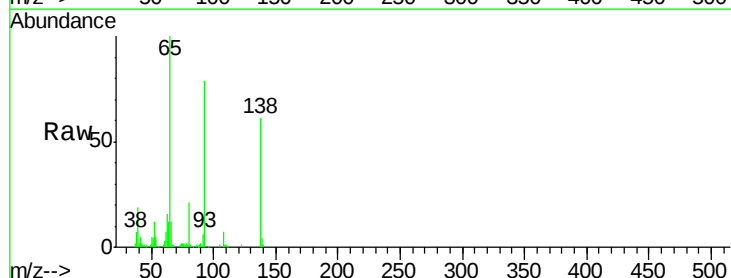
Tgt Ion:138 Resp: 50864

Ion Ratio Lower Upper

138 100

108 10.9 10.9 16.3

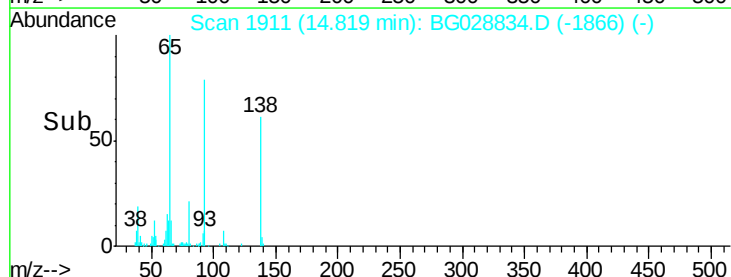
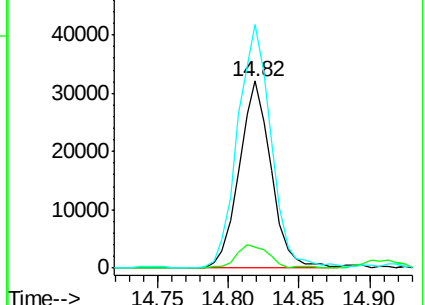
92 130.2 115.3 172.9

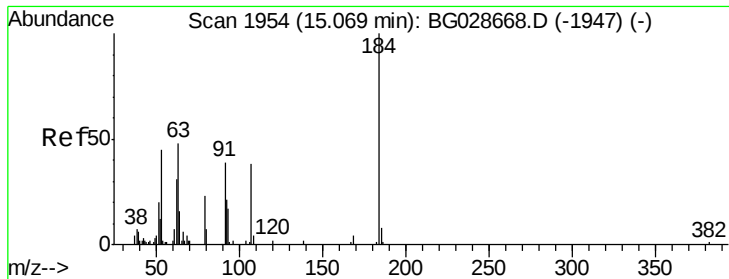


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

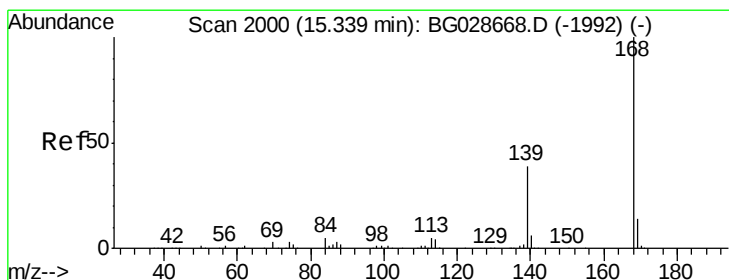
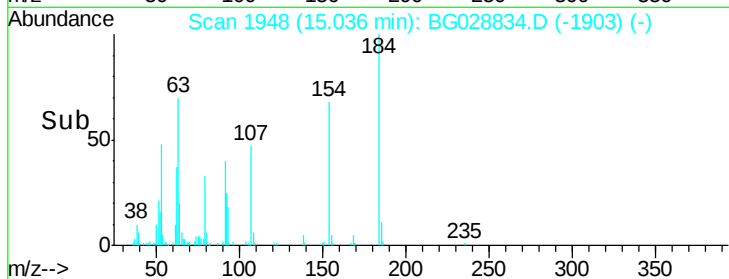
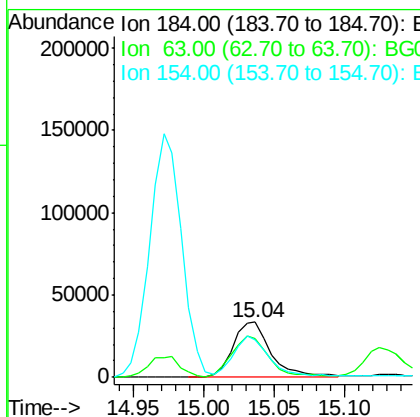
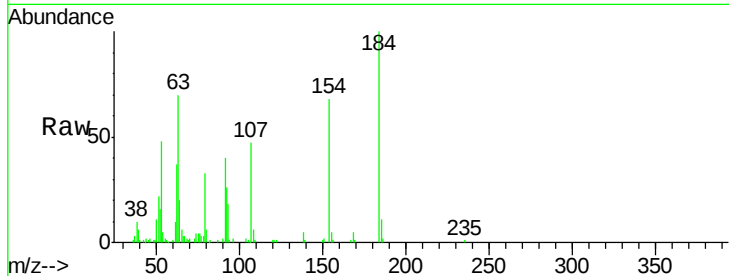




#53  
2,4-Dinitrophenol  
Concen: 68.28 ng  
RT: 15.04 min Scan# 1948  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

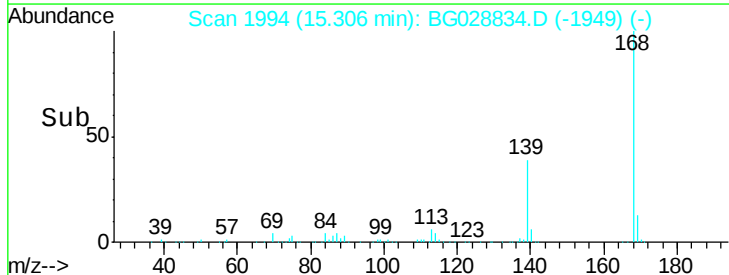
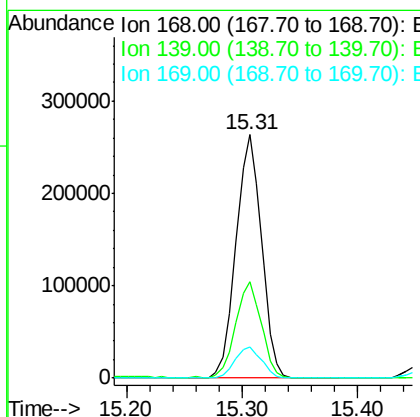
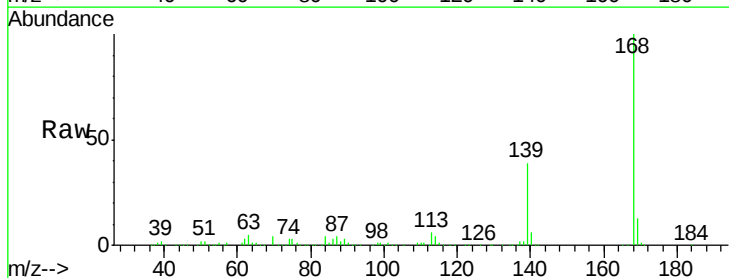
Instrument :  
BNA\_G  
ClientSampleId :

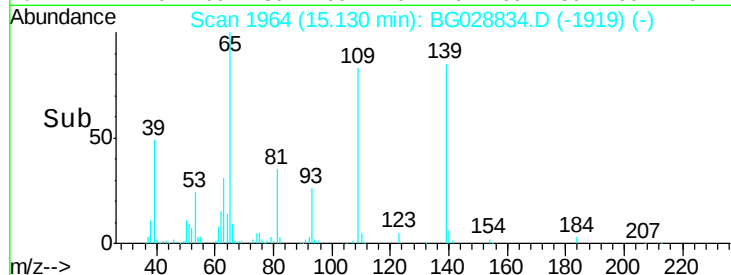
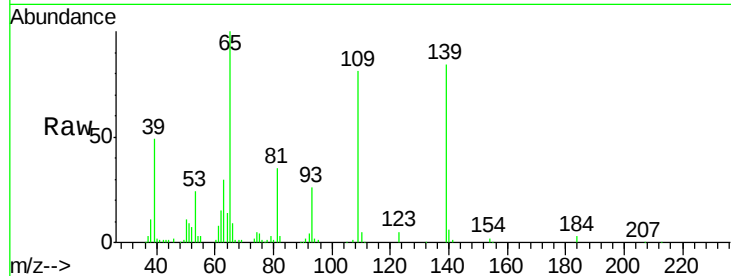
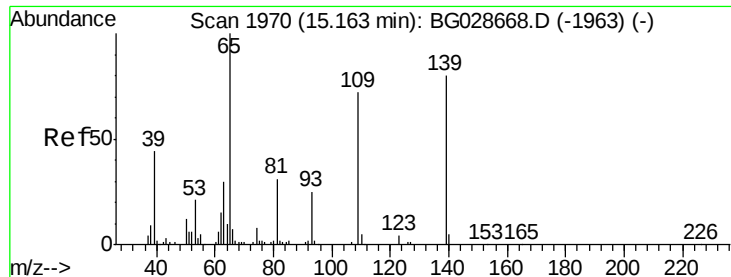
Tot Ion:184 Resp: 63495  
Ion Ratio Lower Upper  
184 100  
63 70.3 52.7 79.1  
154 68.0 57.3 85.9



#54  
Dibenzofuran  
Concen: 44.66 ng  
RT: 15.31 min Scan# 1994  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

Tgt Ion:168 Resp: 402521  
Ion Ratio Lower Upper  
168 100  
139 39.3 35.3 52.9  
169 13.0 11.5 17.3

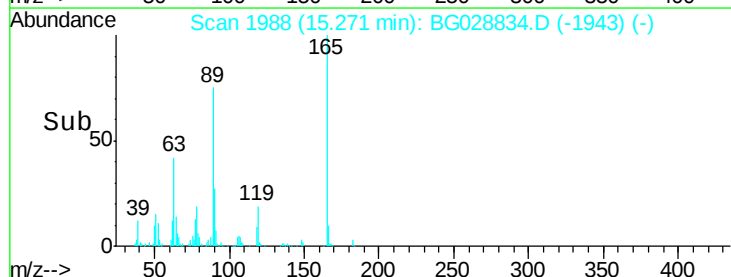
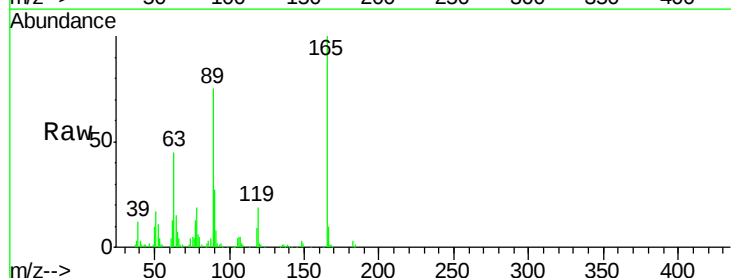
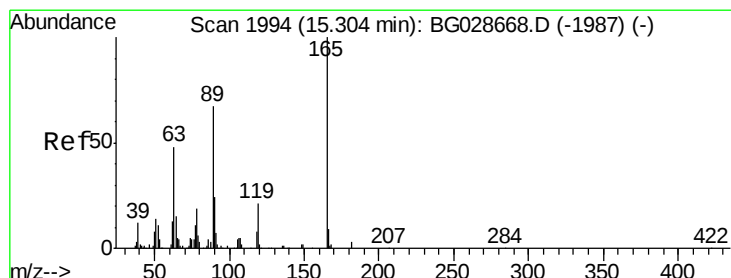
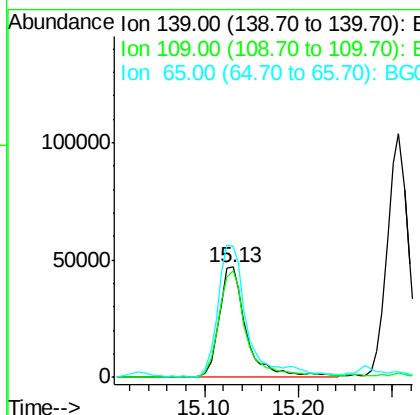




#55  
4-Nitrophenol  
Concen: 81.79 ng  
RT: 15.13 min Scan# 1964  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

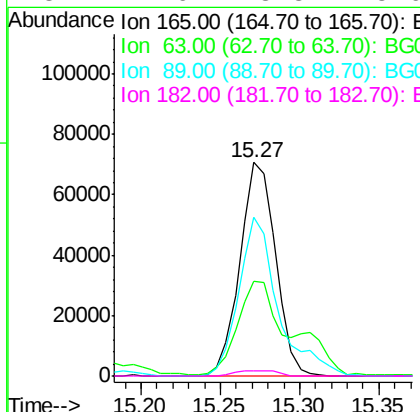
Instrument :  
BNA\_G  
ClientSampled :

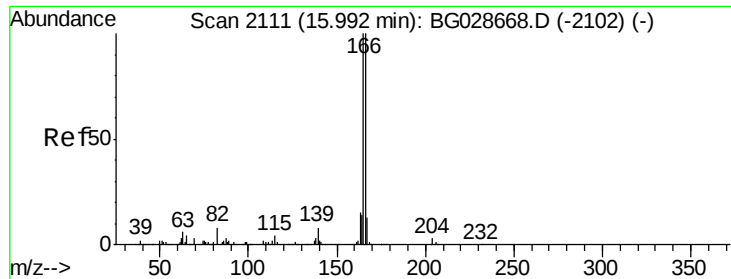
Tot Ion:139 Resp: 95346  
Ion Ratio Lower Upper  
139 100  
109 96.8 101.2 141.2#  
65 118.8 135.3 175.3#



#56  
2,4-Dinitrotoluene  
Concen: 43.69 ng  
RT: 15.27 min Scan# 1988  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

Tgt Ion:165 Resp: 110533  
Ion Ratio Lower Upper  
165 100  
63 44.6 44.0 66.0  
89 74.5 67.3 100.9  
182 2.6 3.8 5.6#

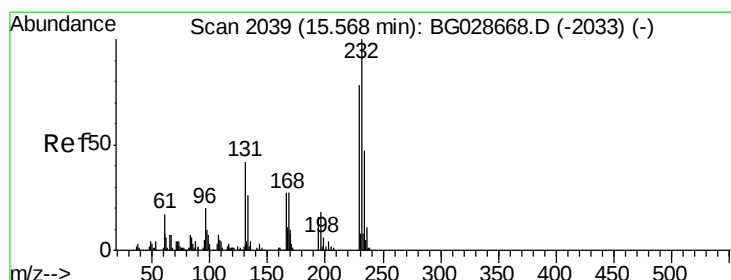
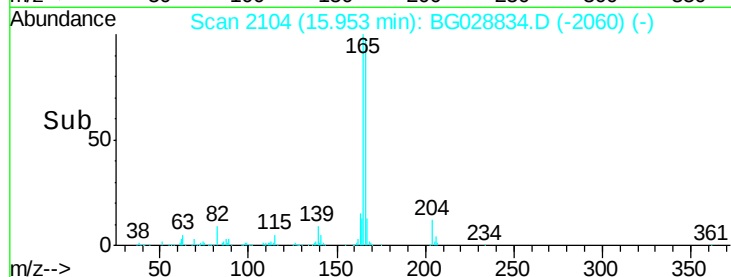
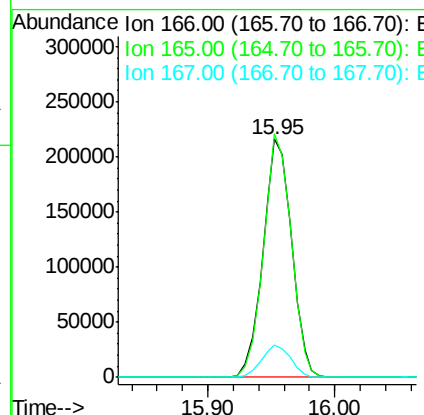
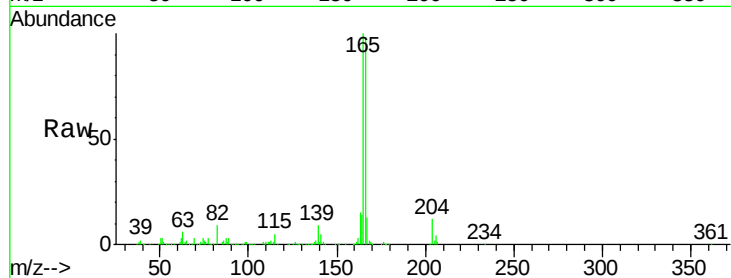




#57  
 Fluorene  
 Concen: 42.11 ng  
 RT: 15.95 min Scan# 2104  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

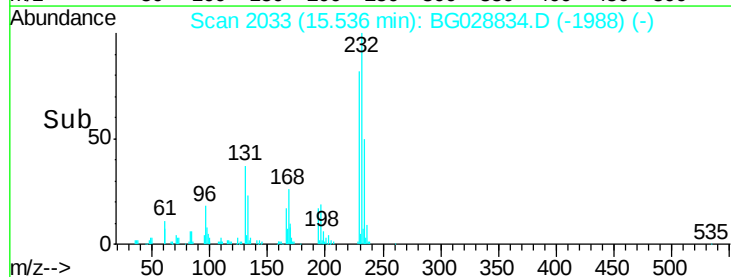
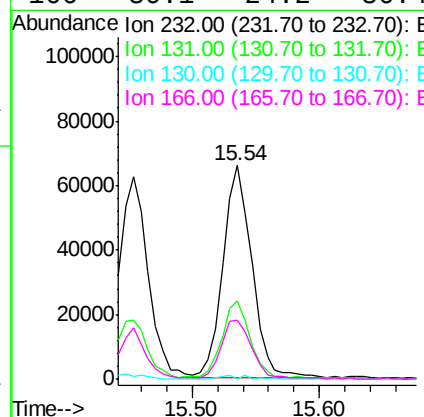
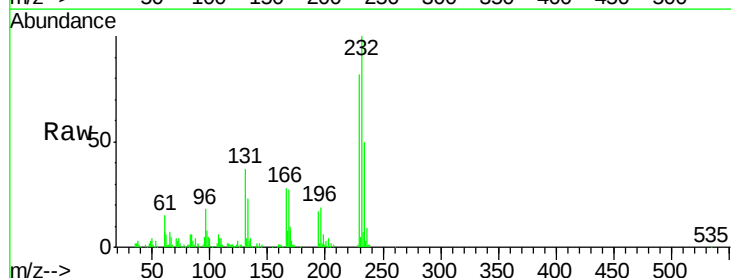
Instrument :  
 BNA\_G  
 ClientSampleId :

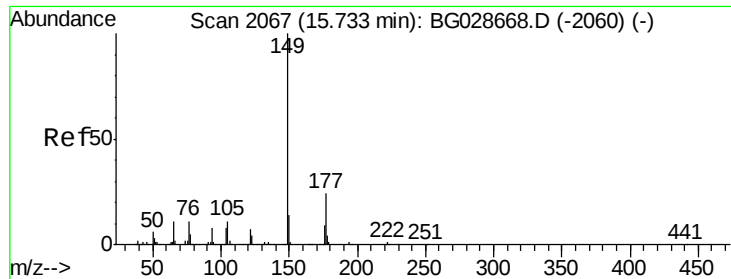
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.2 | 78.6  | 117.8 |
| 167     | 13.4  | 11.6  | 17.4  |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.94 ng  
 RT: 15.54 min Scan# 2033  
 Delta R.T. -0.03 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 36.1  | 34.9  | 52.3  |
| 130     | 1.5   | 2.3   | 3.5#  |
| 166     | 30.1  | 24.2  | 36.4  |

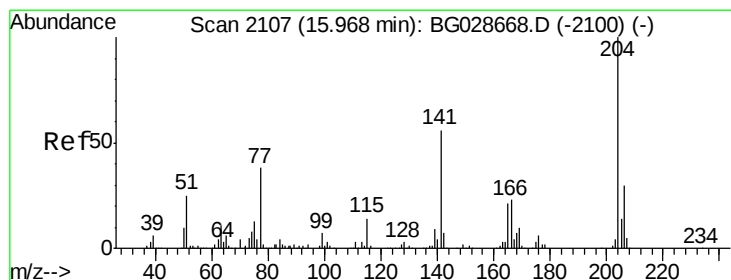
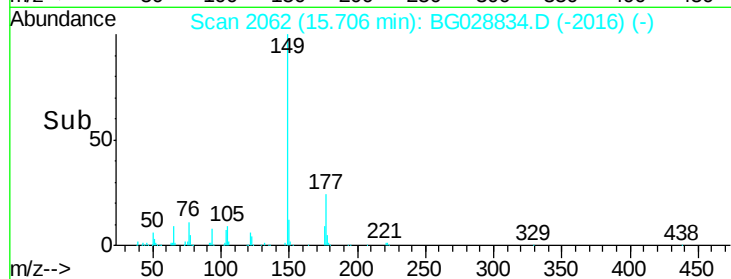
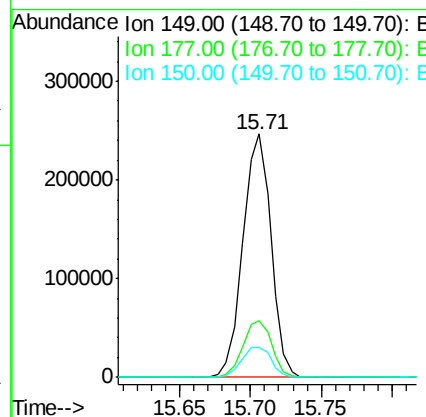
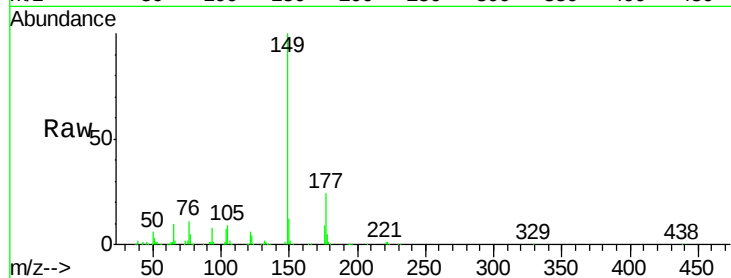




#59  
Diethylphthalate  
Concen: 41.15 ng  
RT: 15.71 min Scan# 2062  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

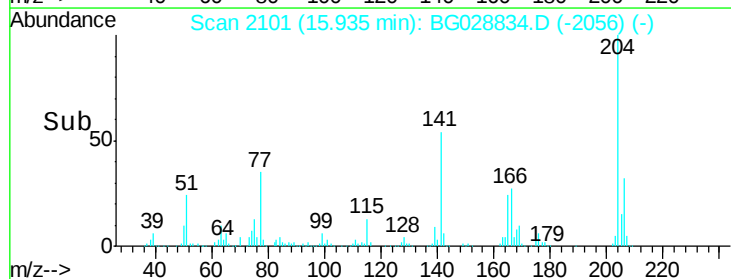
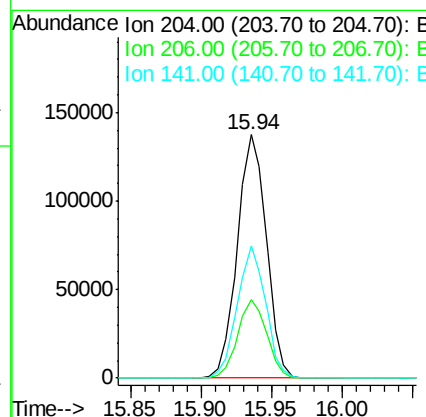
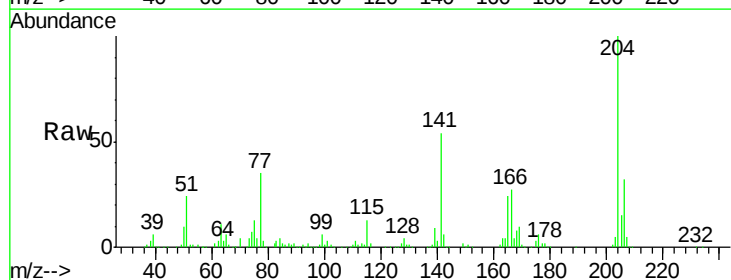
Instrument :  
BNA\_G  
ClientSampleId :

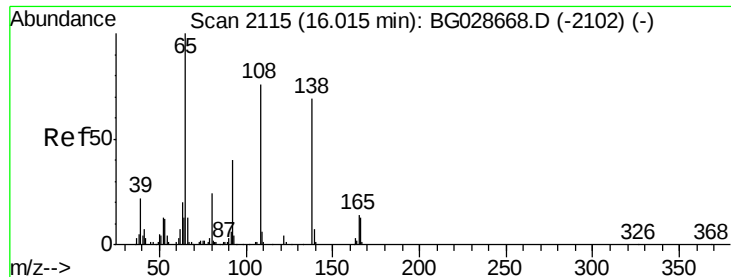
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.5  | 20.1  | 30.1  |
| 150     | 12.1  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 42.94 ng  
RT: 15.94 min Scan# 2101  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.4  | 30.1  | 45.1  |
| 141     | 54.2  | 50.6  | 76.0  |

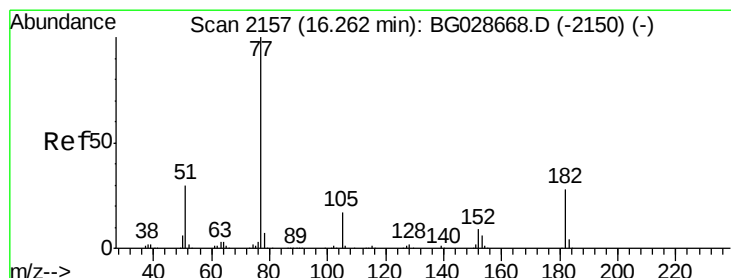
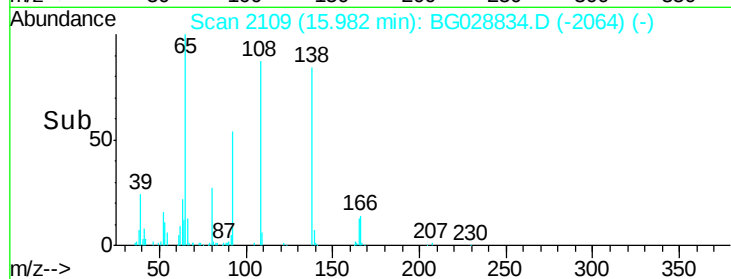
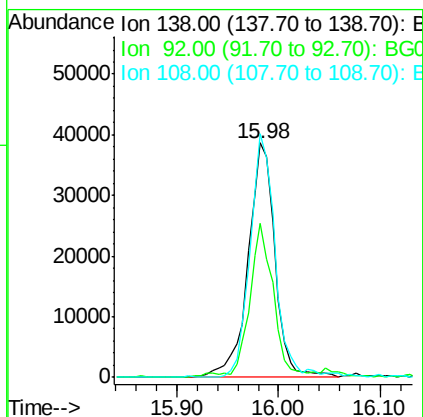
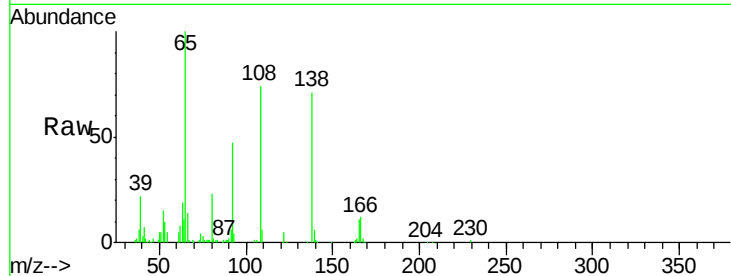




#61  
4-Nitroaniline  
Concen: 42.23 ng  
RT: 15.98 min Scan# 2109  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

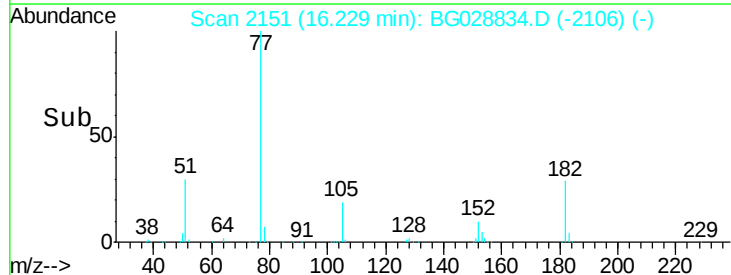
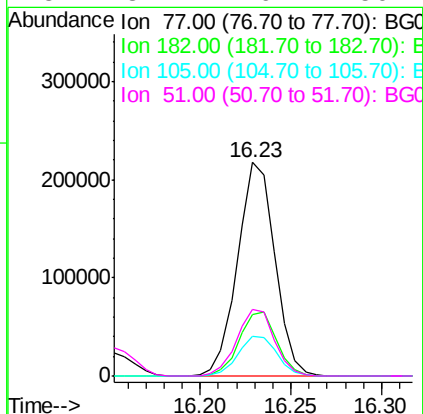
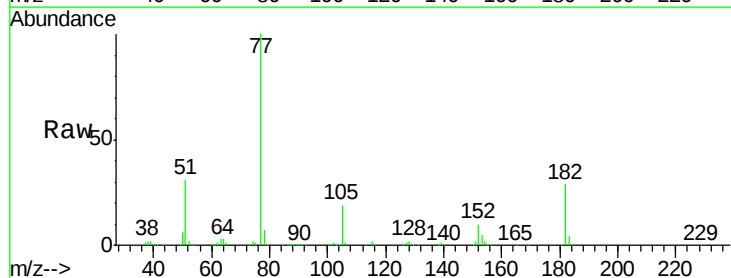
Instrument :  
BNA\_G  
ClientSampled :

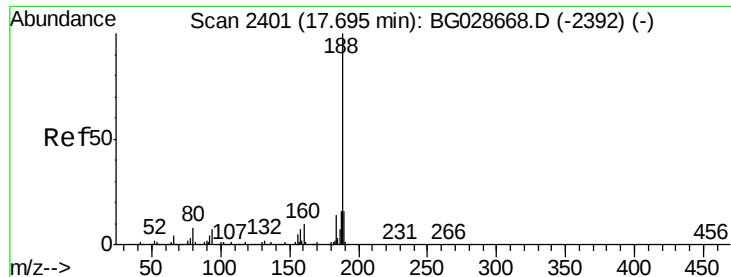
Tot Ion:138 Resp: 71178  
Ion Ratio Lower Upper  
138 100  
92 65.9 44.2 84.2  
108 103.9 104.8 144.8#



#62  
Azobenzene  
Concen: 44.64 ng  
RT: 16.23 min Scan# 2151  
Delta R.T. -0.03 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

Tgt Ion: 77 Resp: 311979  
Ion Ratio Lower Upper  
77 100  
182 29.1 4.7 44.7  
105 18.6 0.0 36.3  
51 31.1 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.66 min Scan# 2395

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

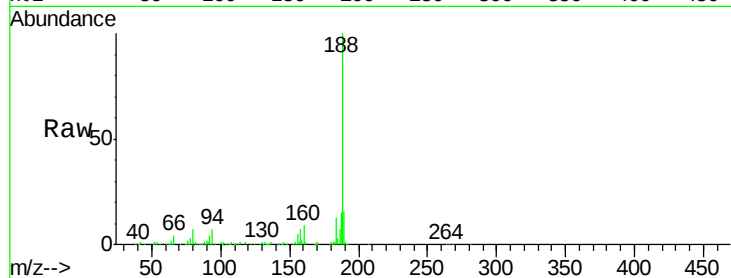
Tot Ion:188 Resp: 255347

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.8

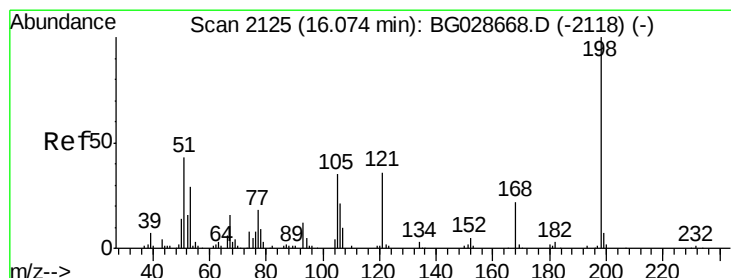
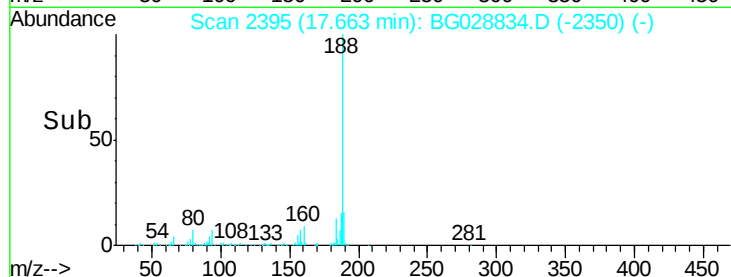
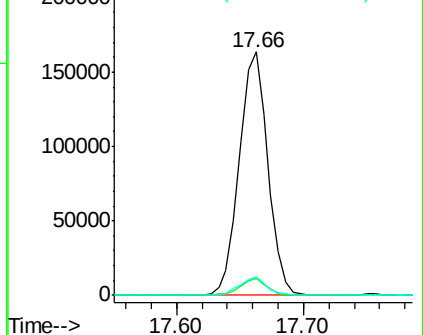
80 7.4 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#64

4,6-Dinitro-2-methylphenol

Concen: 37.04 ng

RT: 16.04 min Scan# 2119

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

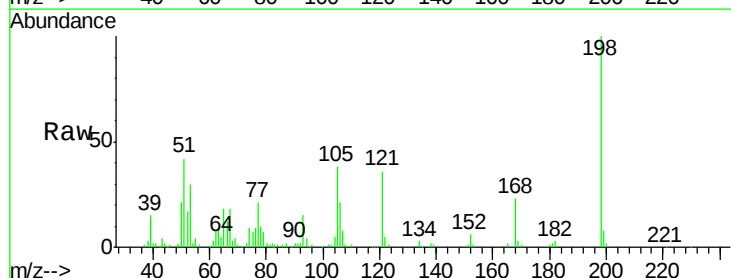
Tgt Ion:198 Resp: 61035

Ion Ratio Lower Upper

198 100

51 42.3 22.6 62.6

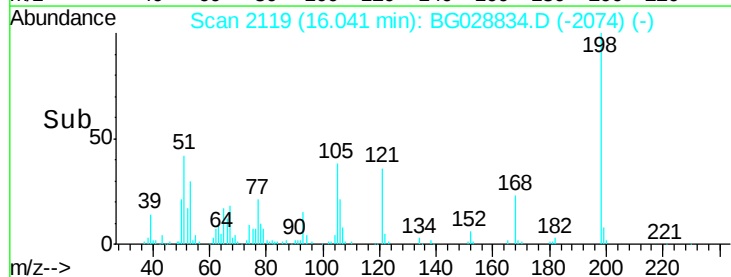
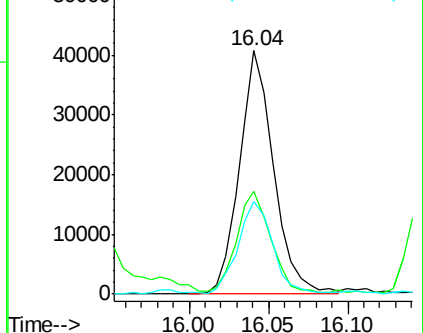
105 38.0 14.4 54.4

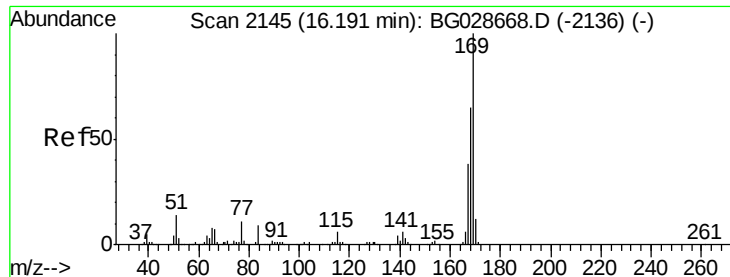


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

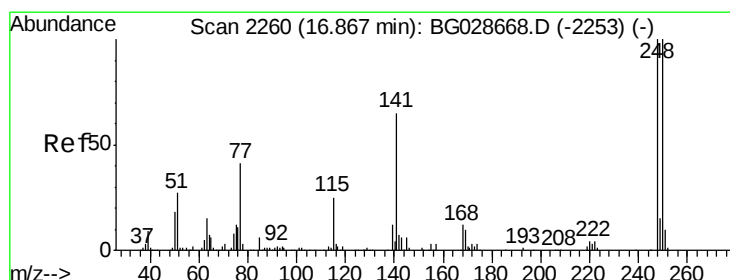
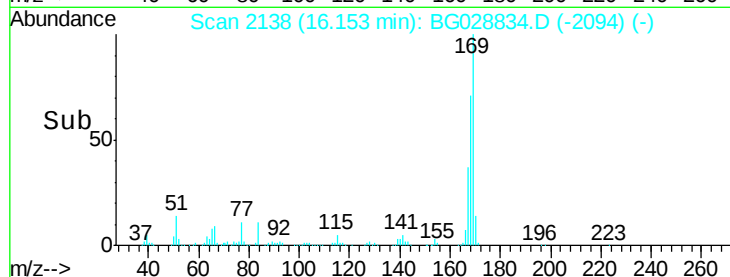
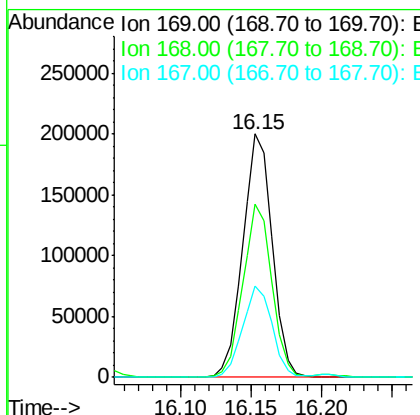
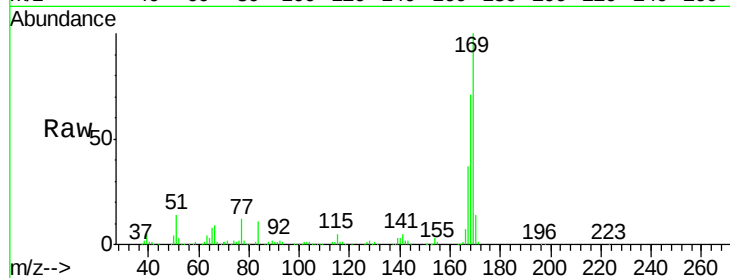




#65  
 n-Nitrosodiphenylamine  
 Concen: 39.94 ng  
 RT: 16.15 min Scan# 2138  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

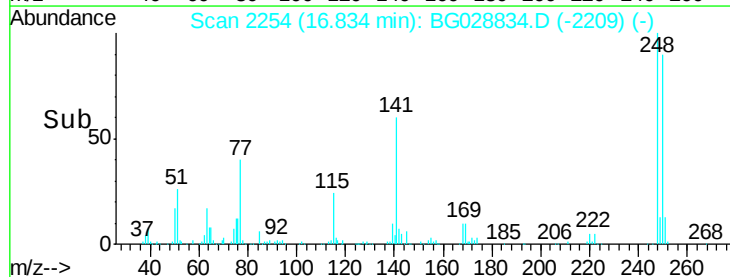
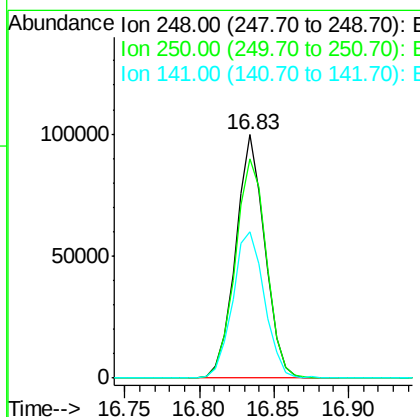
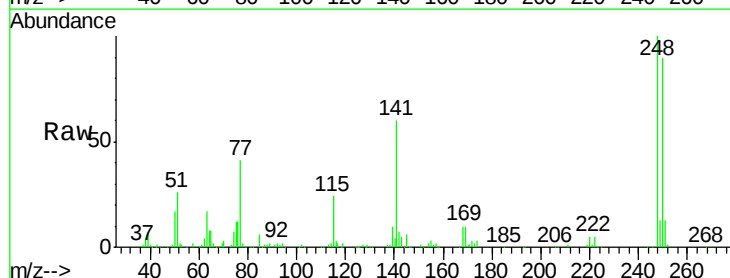
Instrument :  
 BNA\_G  
 ClientSampleId :

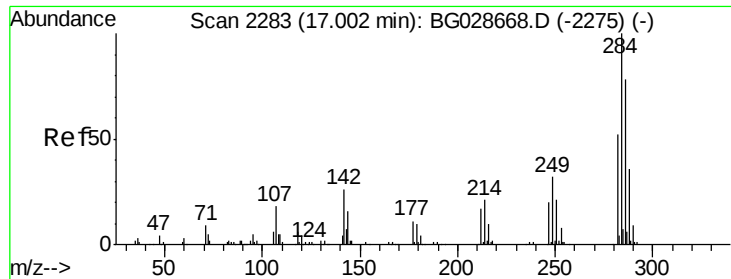
Tot Ion:169 Resp: 292346  
 Ion Ratio Lower Upper  
 169 100  
 168 71.1 55.7 83.5  
 167 37.3 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 41.22 ng  
 RT: 16.83 min Scan# 2254  
 Delta R.T. -0.03 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

Tgt Ion:248 Resp: 135440  
 Ion Ratio Lower Upper  
 248 100  
 250 89.9 75.0 112.6  
 141 60.1 55.2 82.8





#67

Hexachlorobenzene

Concen: 38.07 ng

RT: 16.97 min Scan# 2277

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

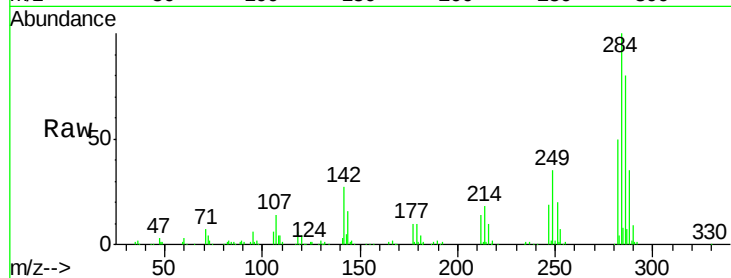
Tot Ion:284 Resp: 142361

Ion Ratio Lower Upper

284 100

142 27.2 29.9 44.9#

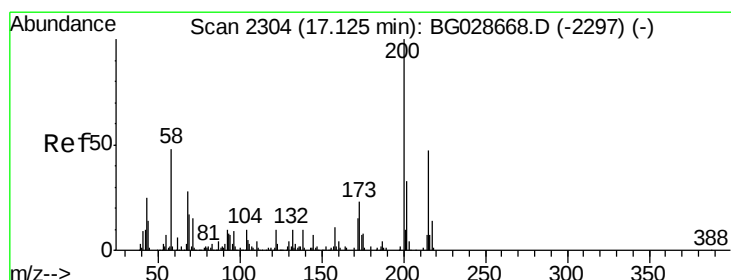
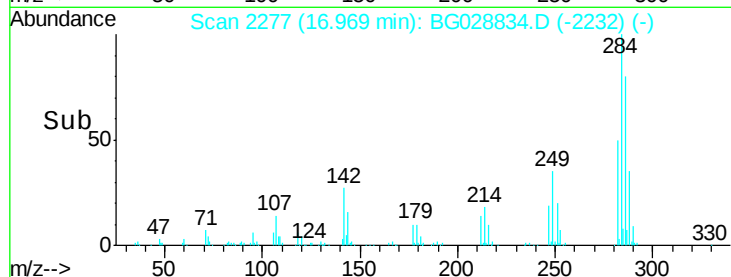
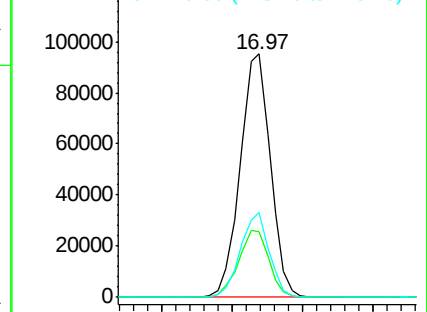
249 34.6 29.2 43.8



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: 41.10 ng

RT: 17.10 min Scan# 2299

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

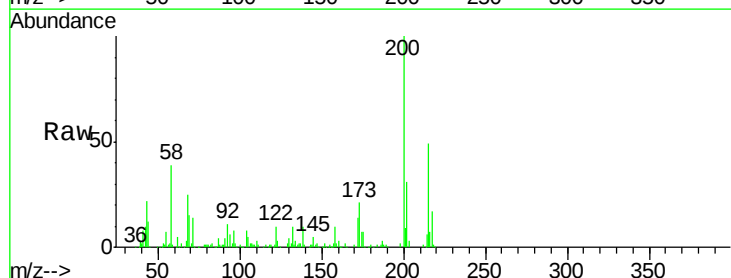
Tgt Ion:200 Resp: 129164

Ion Ratio Lower Upper

200 100

173 21.4 3.0 43.0

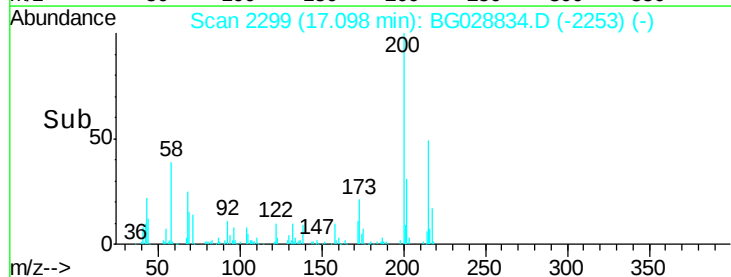
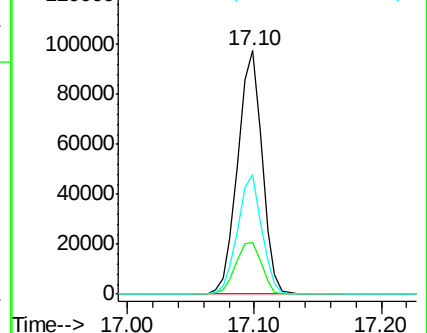
215 49.1 28.4 68.4

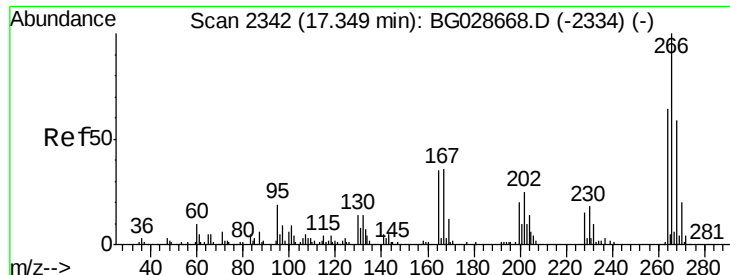


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 78.80 ng

RT: 17.32 min Scan# 2336

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampled :

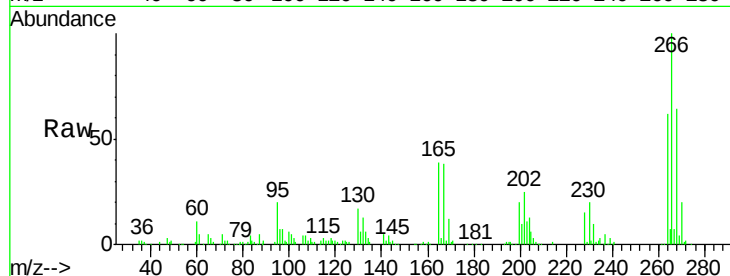
Tot Ion:266 Resp: 133146

Ion Ratio Lower Upper

266 100

268 63.9 48.6 72.8

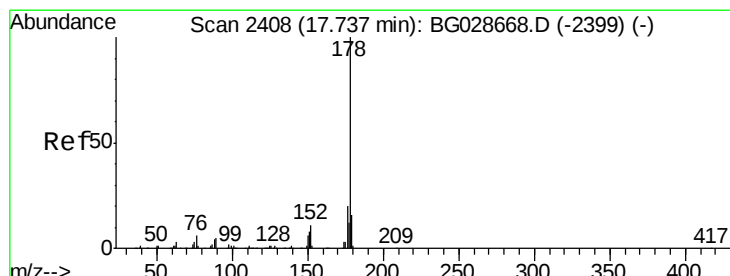
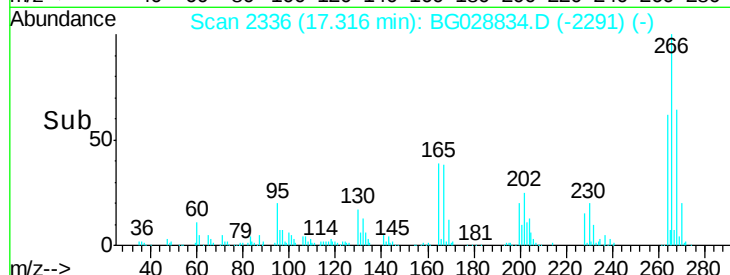
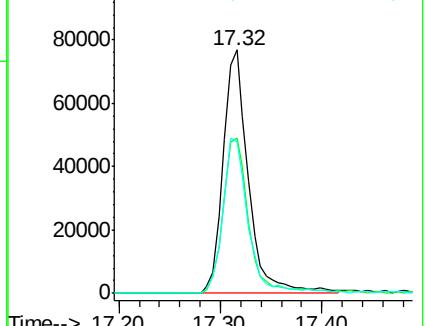
264 62.0 50.1 75.1



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 41.90 ng

RT: 17.70 min Scan# 2402

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

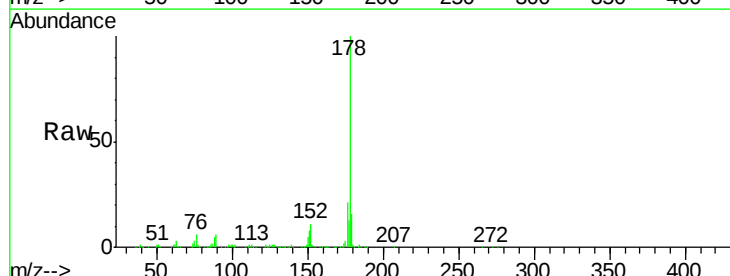
Tgt Ion:178 Resp: 547123

Ion Ratio Lower Upper

178 100

176 20.6 17.7 26.5

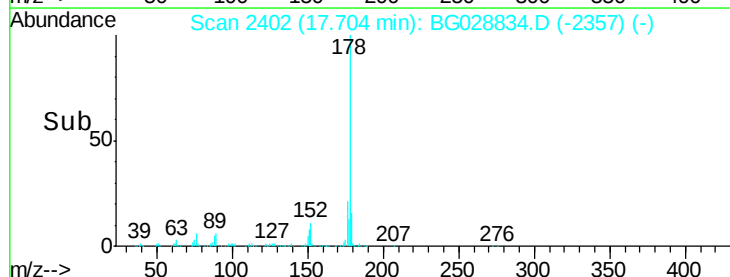
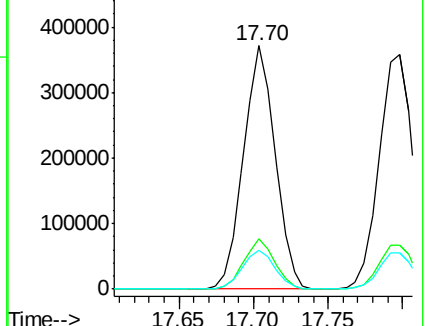
179 15.9 15.0 22.6

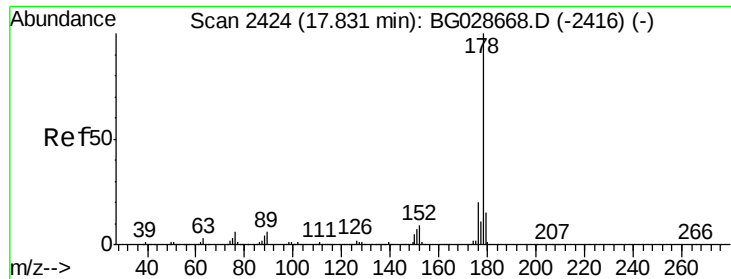


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

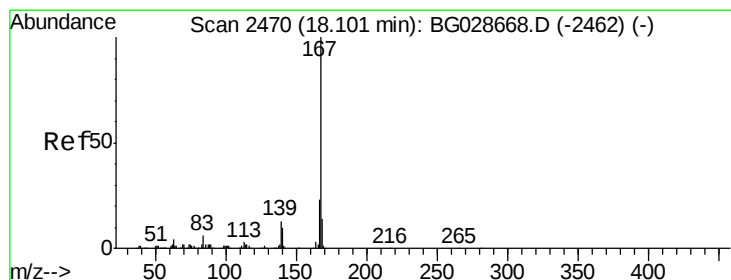
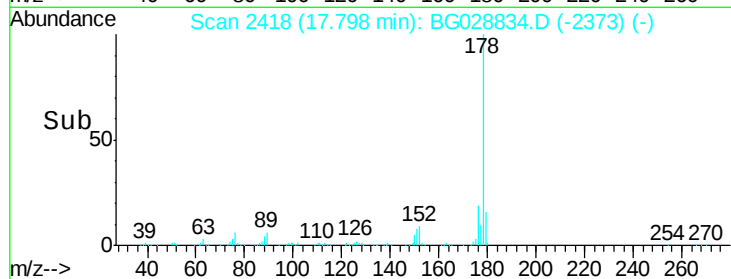
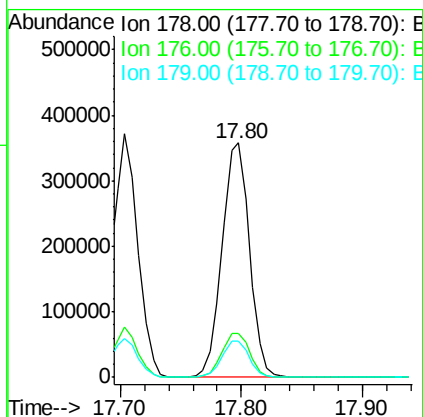
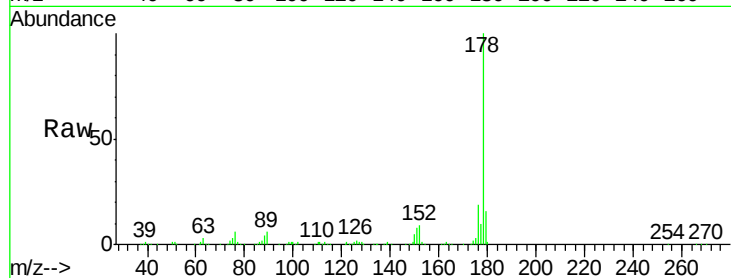




#71  
 Anthracene  
 Concen: 42.60 ng  
 RT: 17.80 min Scan# 2418  
 Delta R.T. -0.03 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

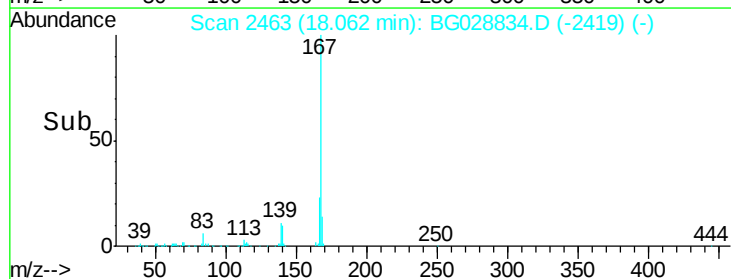
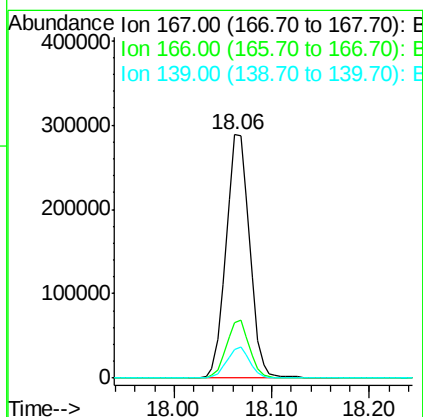
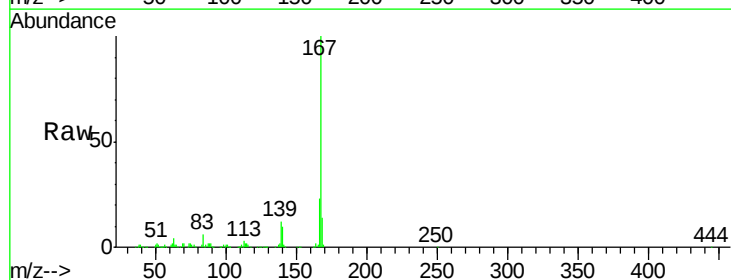
Instrument :  
 BNA\_G  
 ClientSampled :

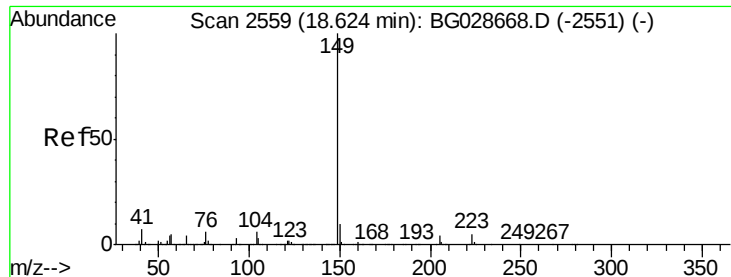
Tot Ion:178 Resp: 561982  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 16.4 24.6  
 179 15.5 13.8 20.8



#72  
 Carbazole  
 Concen: 40.76 ng  
 RT: 18.06 min Scan# 2463  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

Tgt Ion:167 Resp: 484254  
 Ion Ratio Lower Upper  
 167 100  
 166 22.8 20.2 30.2  
 139 11.7 12.8 19.2#





#73

Di-n-butylphthalate

Concen: 39.58 ng

RT: 18.59 min Scan# 2553

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

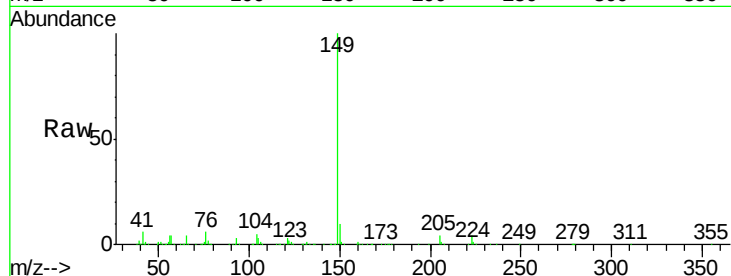
Tot Ion:149 Resp: 576580

Ion Ratio Lower Upper

149 100

150 9.7 9.1 13.7

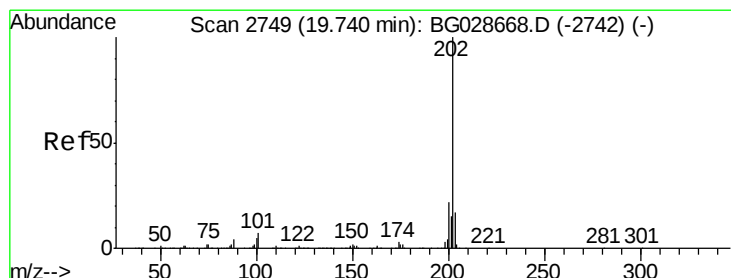
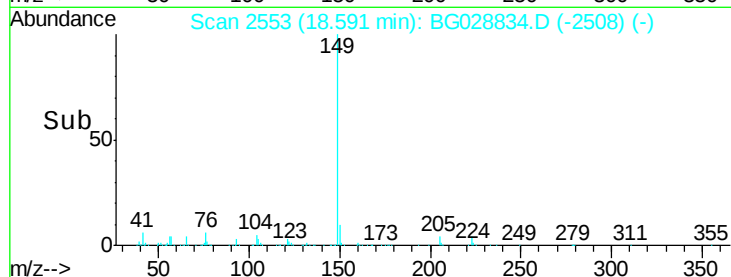
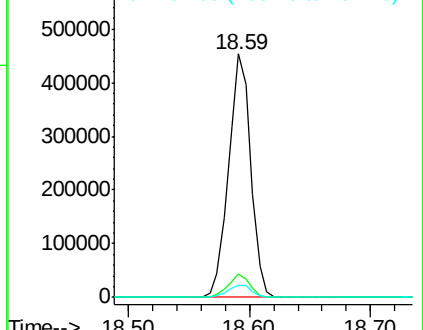
104 5.1 6.7 10.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.85 ng

RT: 19.71 min Scan# 2743

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

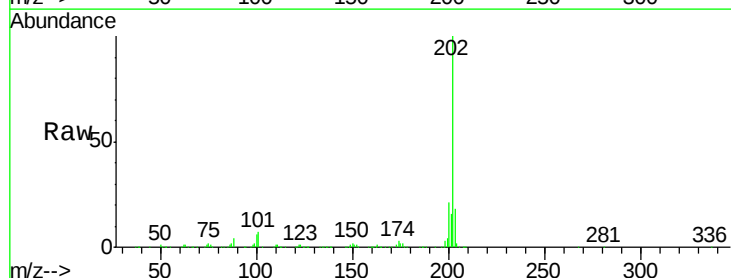
Tgt Ion:202 Resp: 667184

Ion Ratio Lower Upper

202 100

101 7.0 0.0 30.1

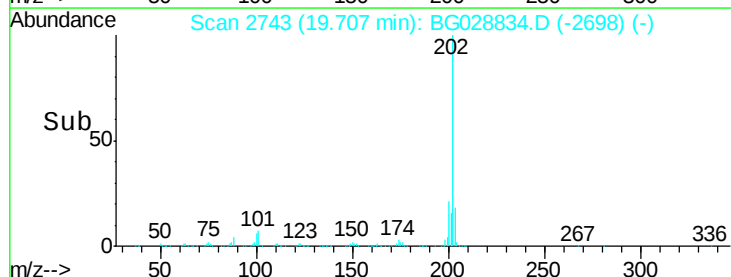
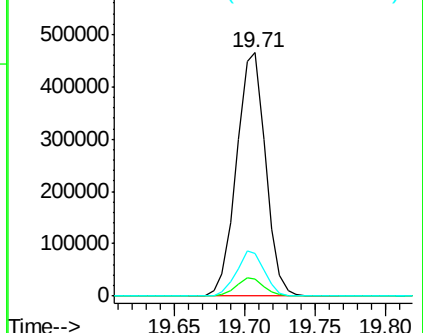
203 17.8 1.3 41.3

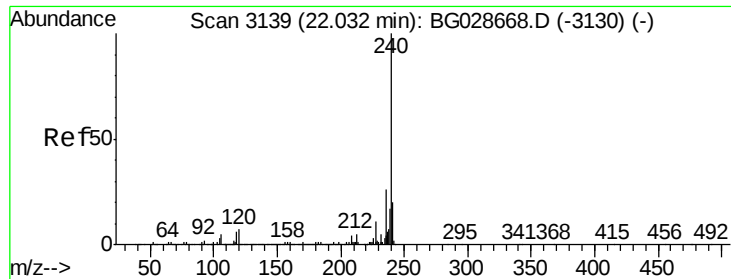


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.99 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

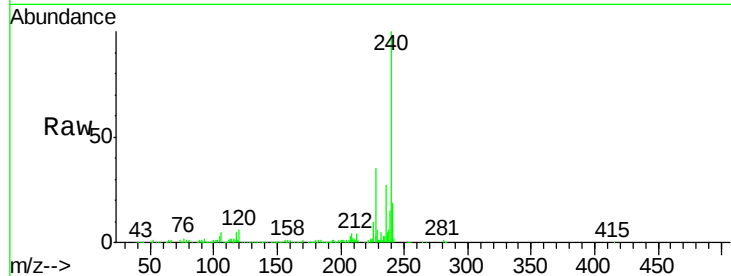
Tot Ion:240 Resp: 293656

Ion Ratio Lower Upper

240 100

120 6.0 5.7 8.5

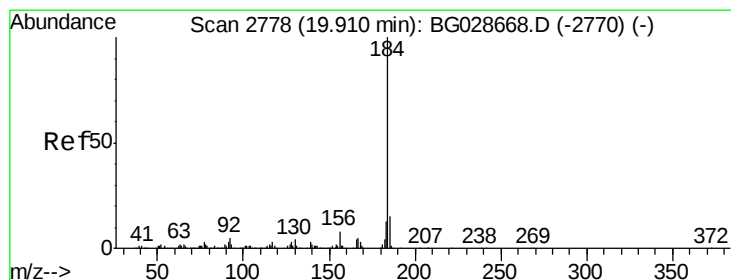
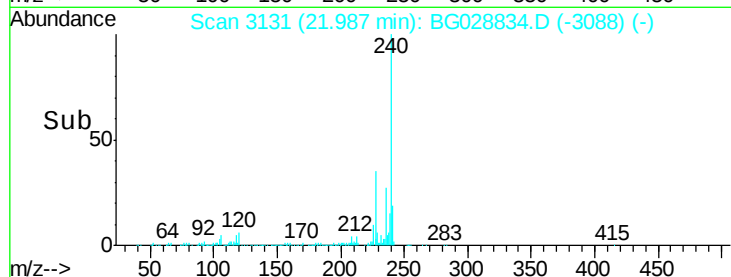
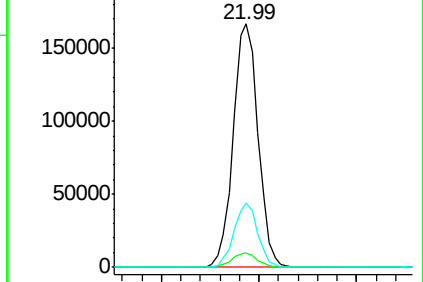
236 26.5 22.2 33.4



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: 27.24 ng

RT: 19.88 min Scan# 2772

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

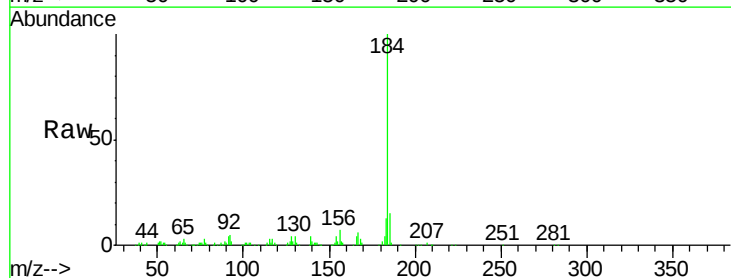
Tgt Ion:184 Resp: 207461

Ion Ratio Lower Upper

184 100

185 14.9 13.0 19.6

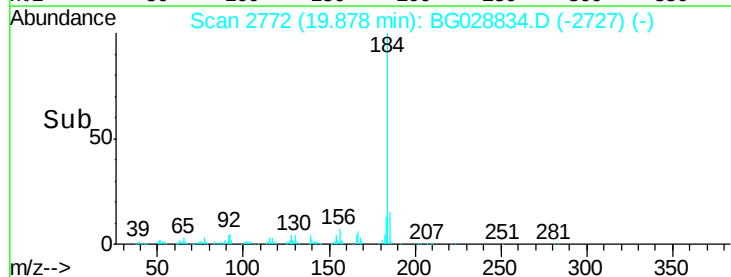
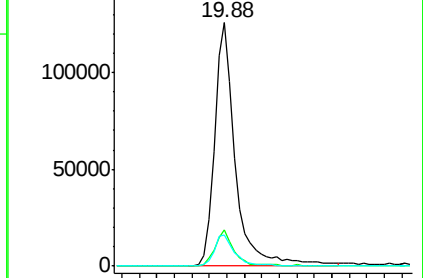
183 12.9 11.0 16.6

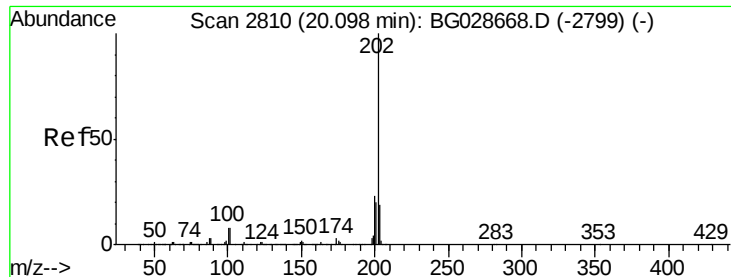


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 41.30 ng

RT: 20.07 min Scan# 2804

Delta R.T. -0.03 min

Lab File: BG028834.D

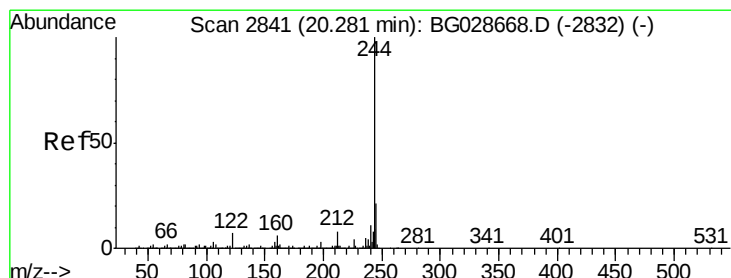
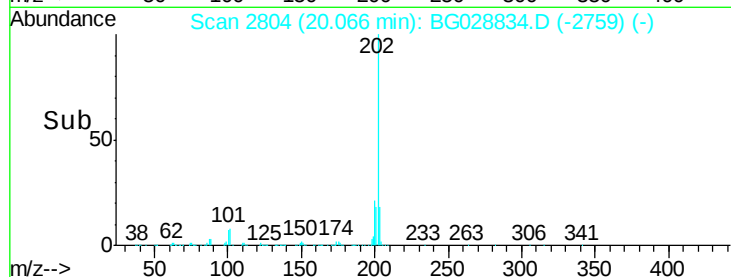
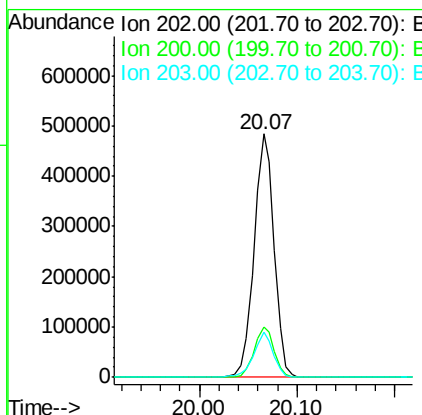
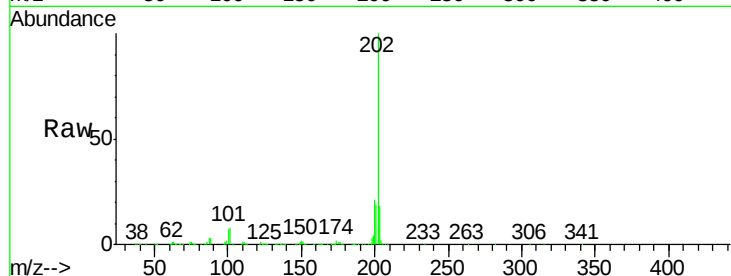
Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 699497 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 200      | 20.9  | 19.6  | 29.4   |
| 203      | 18.4  | 15.8  | 23.8   |



#78

Terphenyl-d14

Concen: 78.11 ng

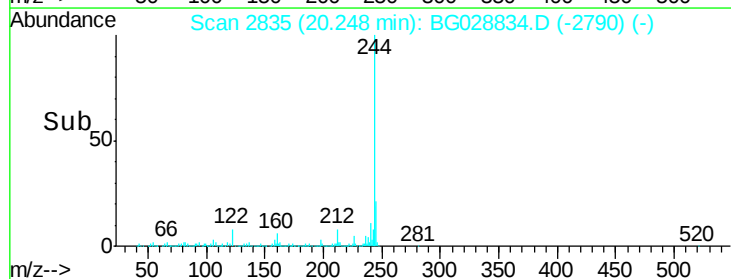
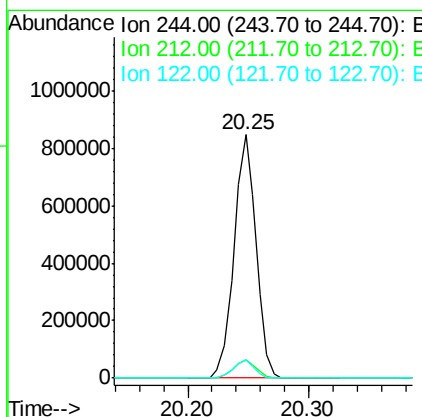
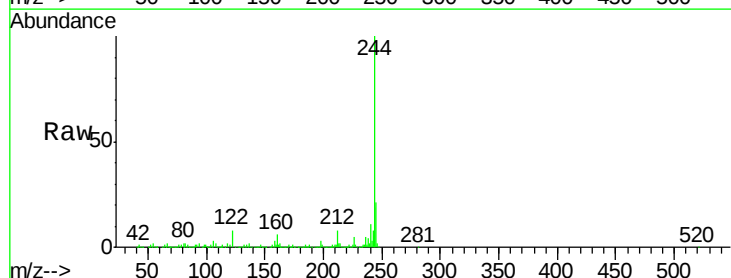
RT: 20.25 min Scan# 2835

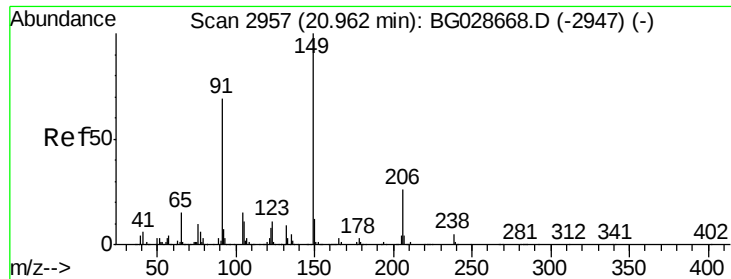
Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 244   | Resp: | 1075534 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 7.5   | 10.0  | 15.0#   |
| 122      | 7.6   | 8.6   | 12.8#   |





#79

Butylbenzylphthalate

Concen: 38.76 ng

RT: 20.93 min Scan# 2951

Delta R.T. -0.03 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

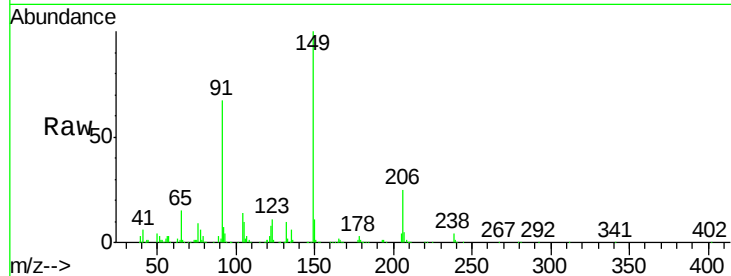
Tot Ion:149 Resp: 265174

Ion Ratio Lower Upper

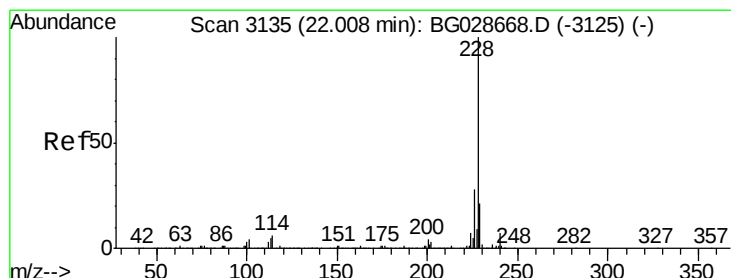
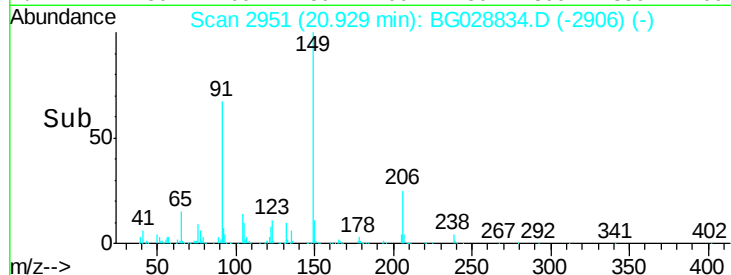
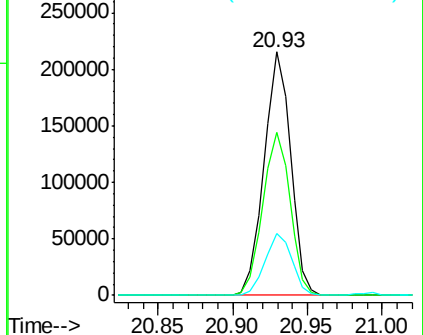
149 100

91 66.8 63.5 95.3

206 25.5 21.0 31.6



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 40.57 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.04 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

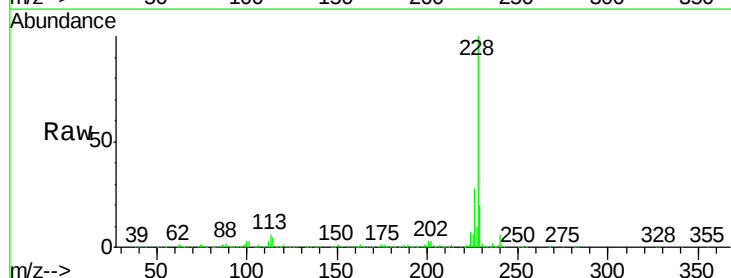
Tgt Ion:228 Resp: 717059

Ion Ratio Lower Upper

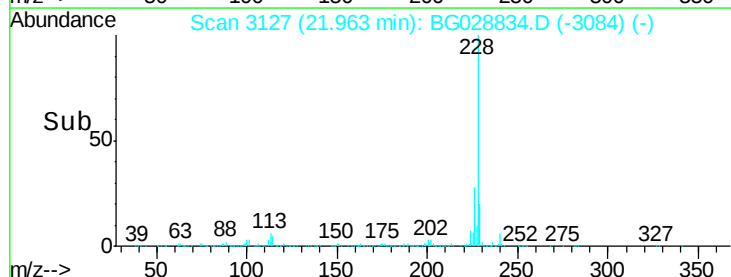
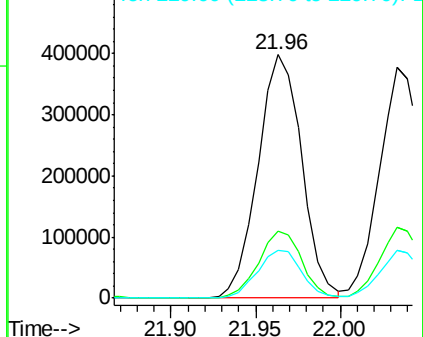
228 100

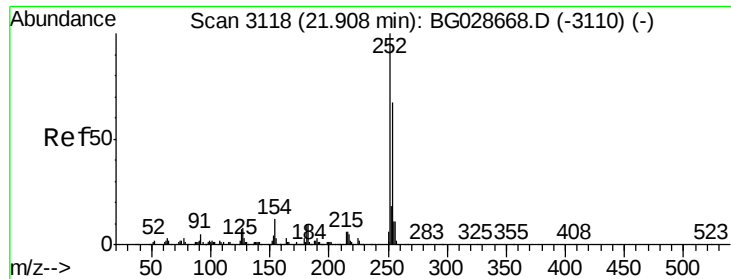
226 27.8 24.9 37.3

229 19.6 18.2 27.2



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

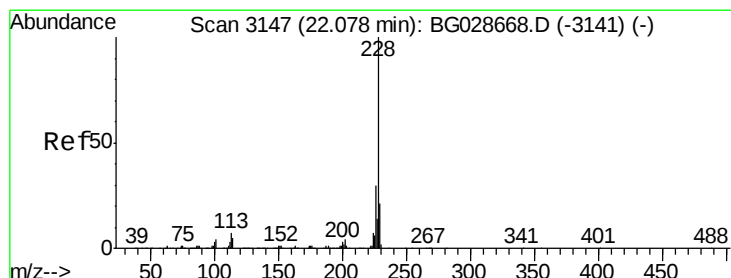
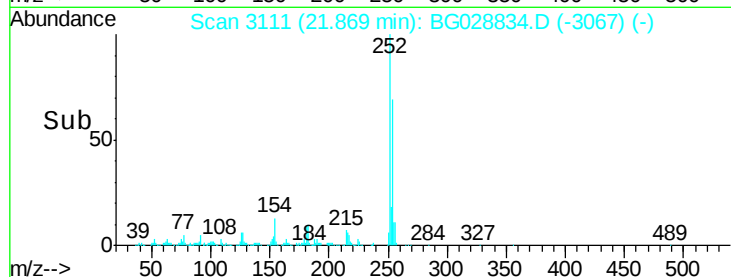
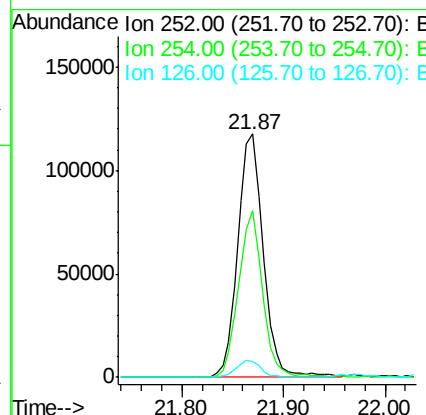
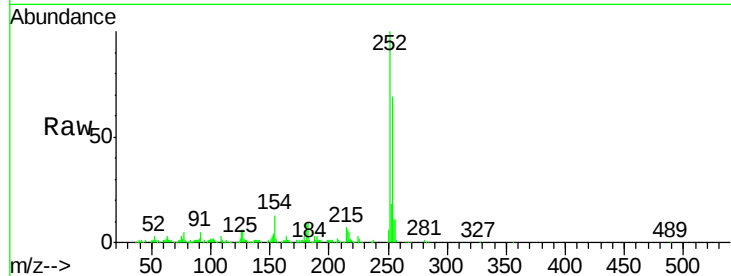




#81  
 3,3'-Dichlorobenzidine  
 Concen: 28.80 ng  
 RT: 21.87 min Scan# 3111  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

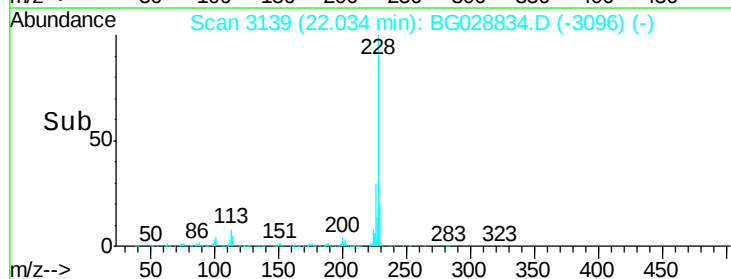
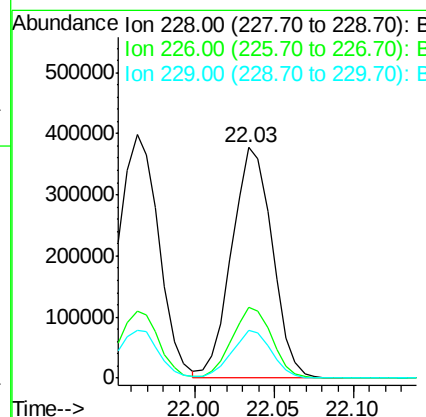
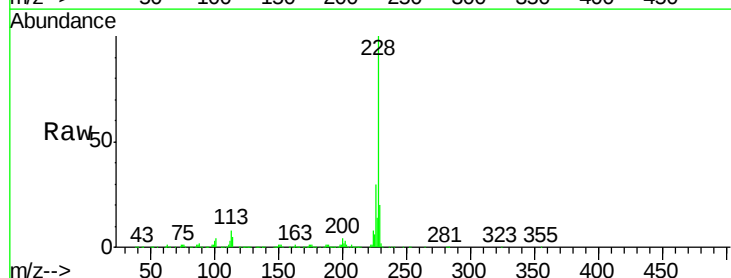
Instrument :  
 BNA\_G  
 ClientSampleId :

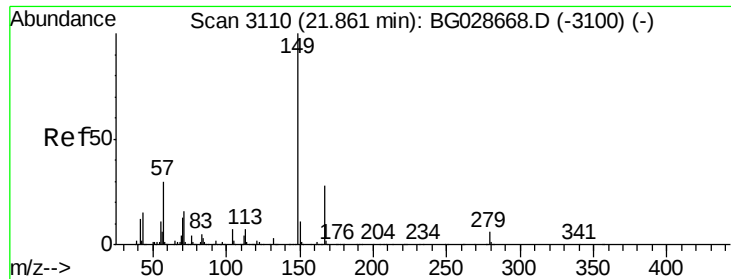
Tot Ion:252 Resp: 206379  
 Ion Ratio Lower Upper  
 252 100  
 254 68.5 53.1 79.7  
 126 6.4 7.0 10.4#



#82  
 Chrysene  
 Concen: 39.81 ng  
 RT: 22.03 min Scan# 3139  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

Tgt Ion:228 Resp: 667643  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 27.0 40.4  
 229 20.4 17.8 26.6

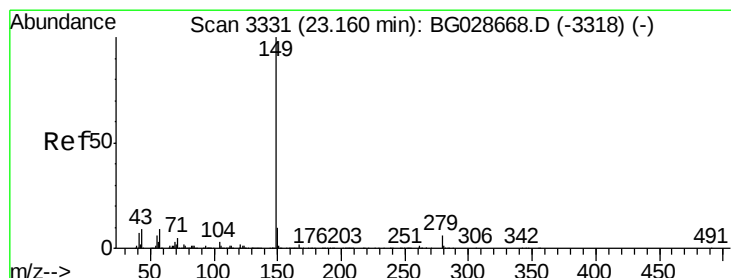
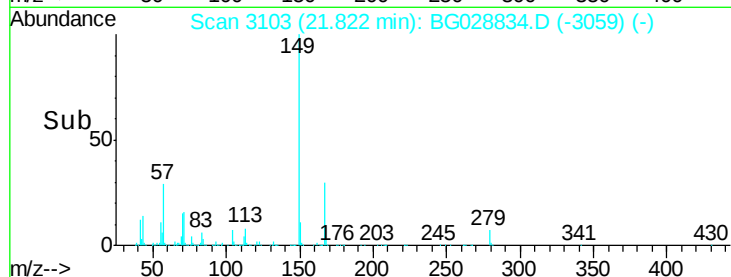
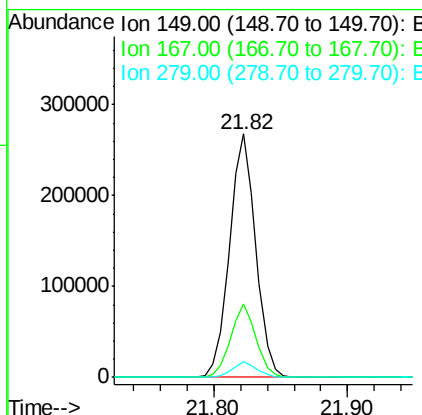
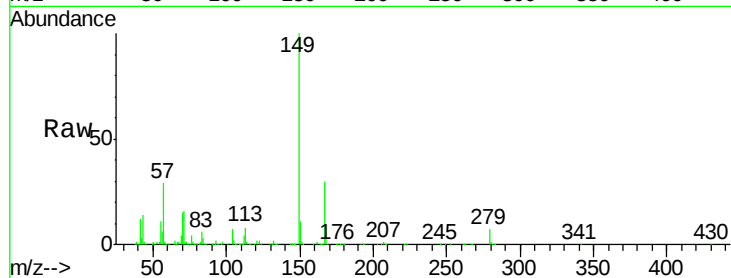




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 37.66 ng  
 RT: 21.82 min Scan# 3103  
 Delta R.T. -0.04 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

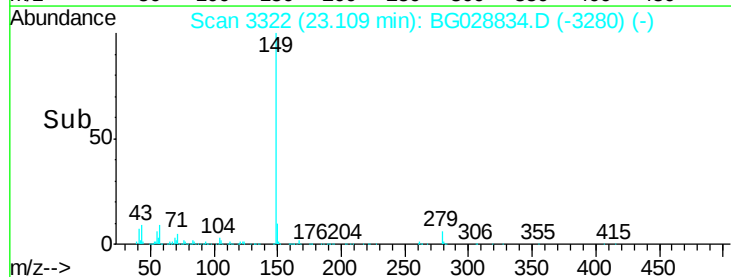
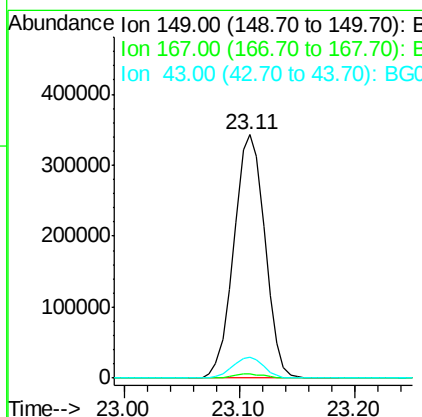
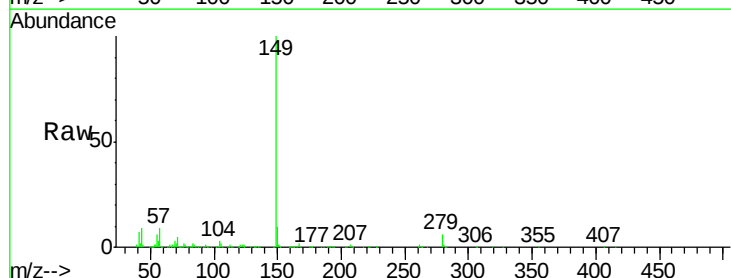
Instrument :  
 BNA\_G  
 ClientSampleId :

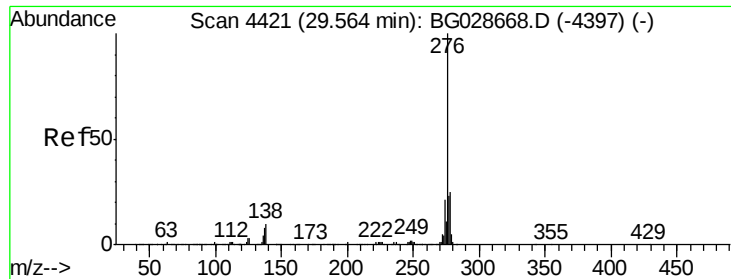
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.0  | 23.7  | 35.5  |
| 279     | 6.6   | 4.6   | 6.8   |



#84  
 Di-n-octyl phthalate  
 Concen: 37.49 ng  
 RT: 23.11 min Scan# 3322  
 Delta R.T. -0.05 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.4   | 2.2   |
| 43      | 8.8   | 11.8  | 17.6  |





#85

Indeno(1,2,3-cd)pyrene

Concen: 38.96 ng

RT: 29.45 min Scan# 4401

Delta R.T. -0.12 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

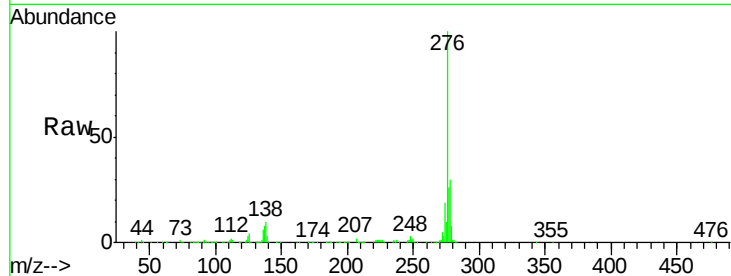
Tot Ion:276 Resp: 839583

Ion Ratio Lower Upper

276 100

138 12.5 4.7 7.1#

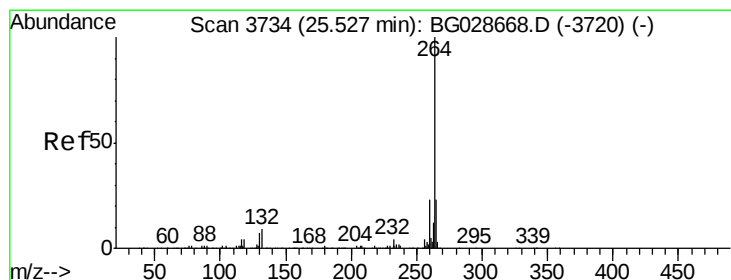
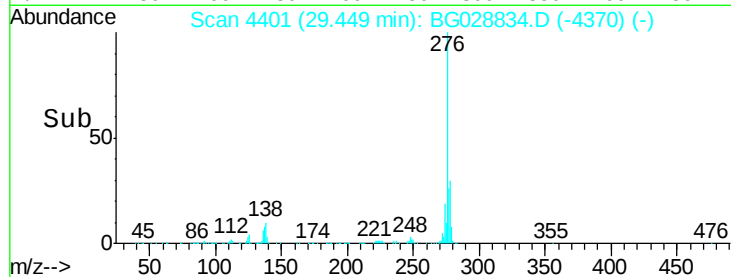
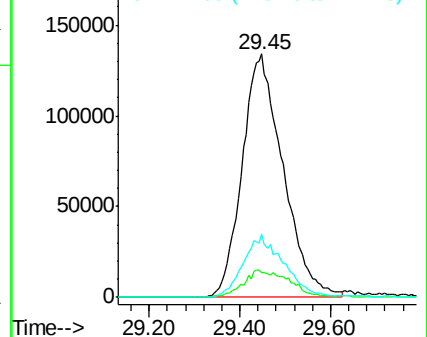
277 25.2 20.6 31.0



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: 25.45 min Scan# 3721

Delta R.T. -0.07 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

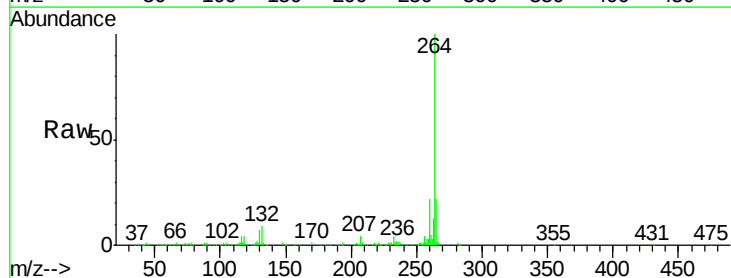
Tgt Ion:264 Resp: 288480

Ion Ratio Lower Upper

264 100

260 22.3 21.8 32.8

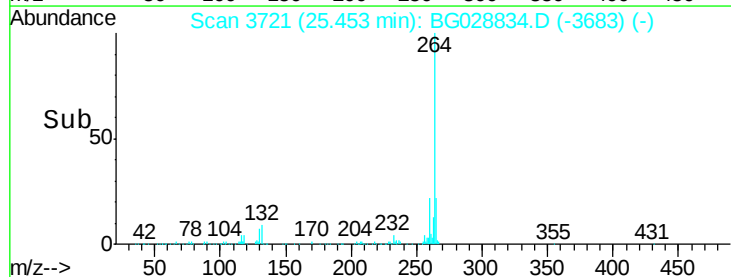
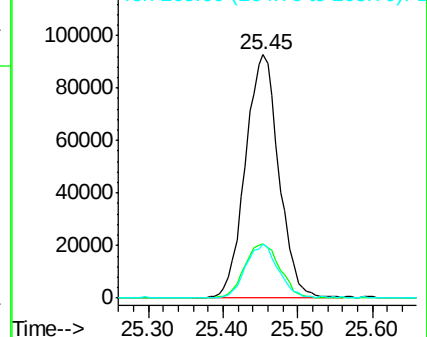
265 22.2 18.2 27.4

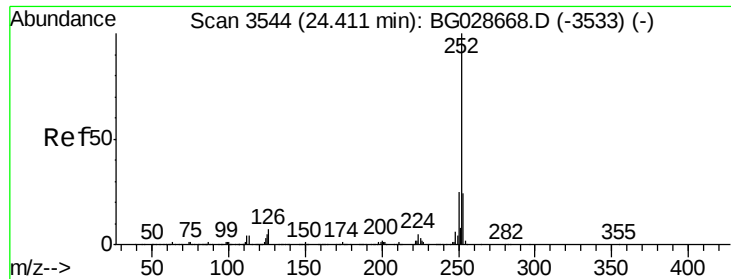


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

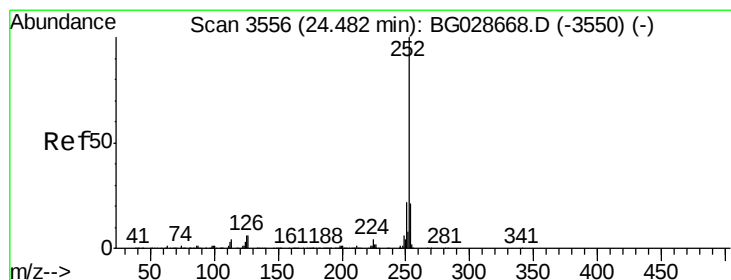
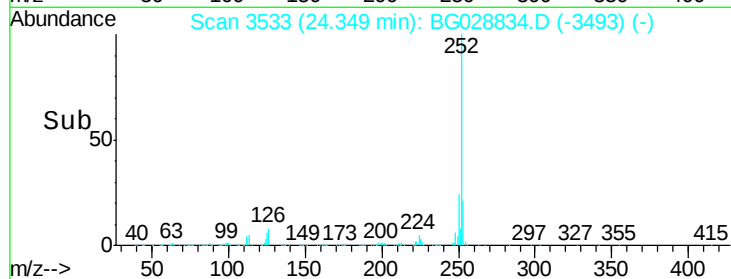
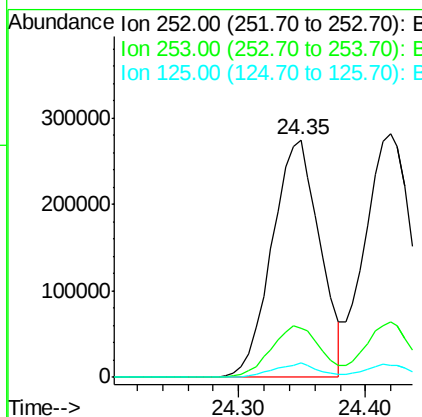
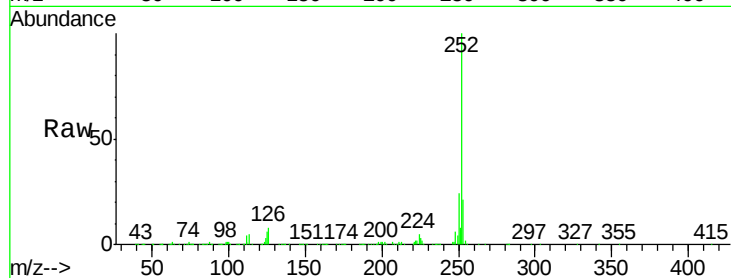




#87  
Benzo(b)fluoranthene  
Concen: 41.55 ng  
RT: 24.35 min Scan# 3533  
Delta R.T. -0.06 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

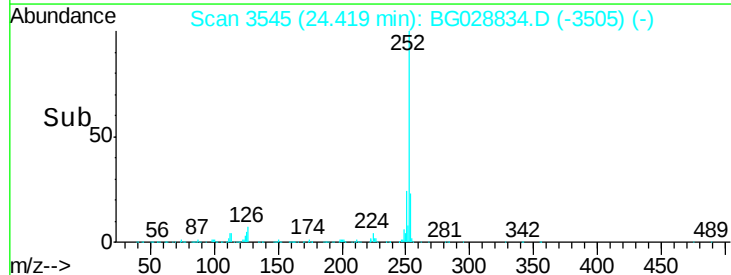
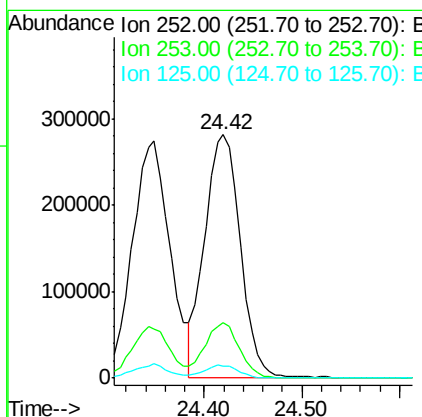
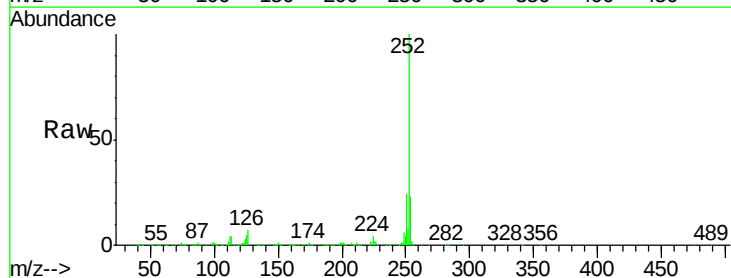
Instrument :  
BNA\_G  
ClientSampleId :

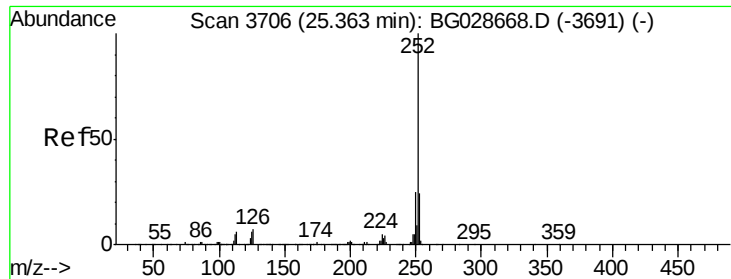
Tot Ion:252 Resp: 718163  
Ion Ratio Lower Upper  
252 100  
253 20.6 18.7 28.1  
125 6.1 5.3 7.9



#88  
Benzo(k)fluoranthene  
Concen: 41.06 ng  
RT: 24.42 min Scan# 3545  
Delta R.T. -0.06 min  
Lab File: BG028834.D  
Acq: 20 Sep 2017 16:35

Tgt Ion:252 Resp: 708812  
Ion Ratio Lower Upper  
252 100  
253 22.9 20.2 30.2  
125 5.2 5.1 7.7





#89

Benzo(a)pyrene

Concen: 43.21 ng

RT: 25.29 min Scan# 3693

Delta R.T. -0.07 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

Instrument :

BNA\_G

ClientSampleId :

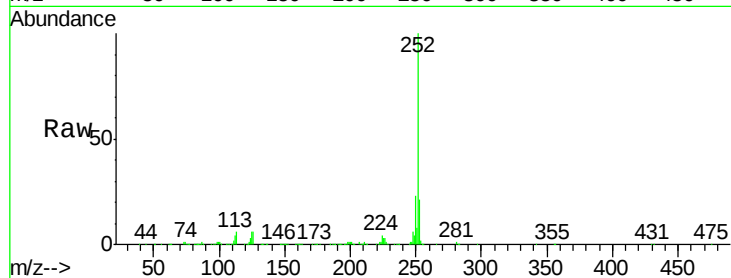
Tot Ion:252 Resp: 708823

Ion Ratio Lower Upper

252 100

253 21.0 19.2 28.8

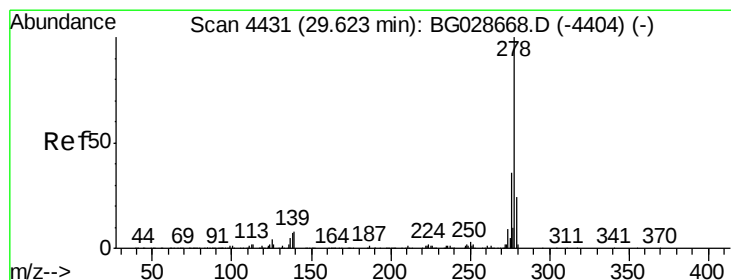
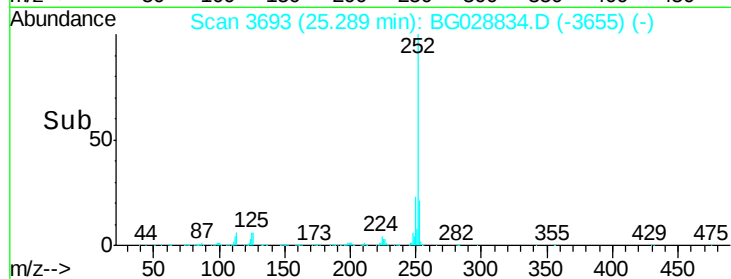
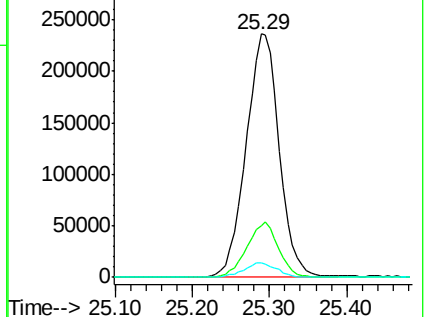
125 5.9 5.4 8.0



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: 40.45 ng

RT: 29.50 min Scan# 4410

Delta R.T. -0.12 min

Lab File: BG028834.D

Acq: 20 Sep 2017 16:35

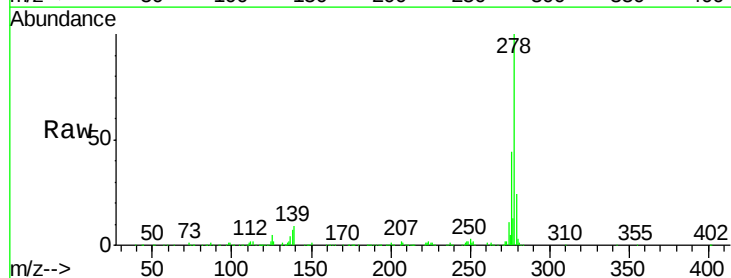
Tgt Ion:278 Resp: 691771

Ion Ratio Lower Upper

278 100

139 9.1 7.7 11.5

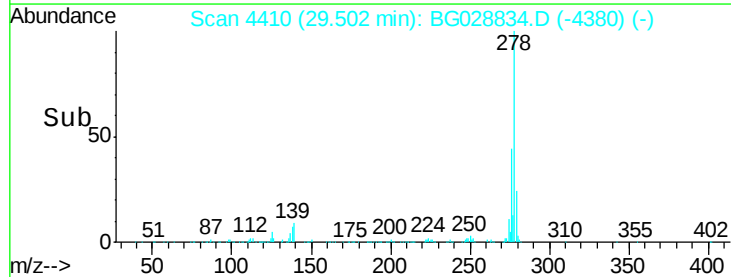
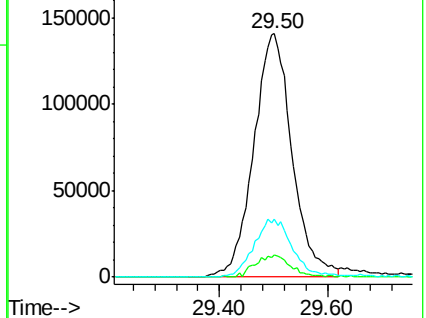
279 23.8 19.1 28.7

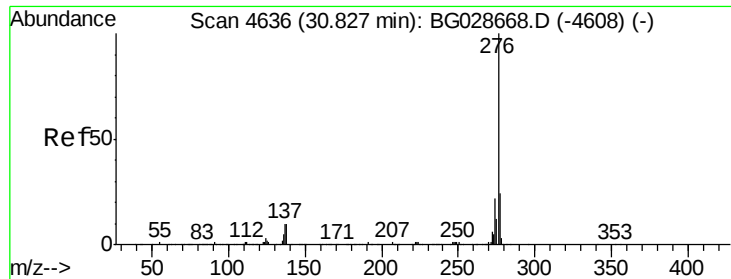


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

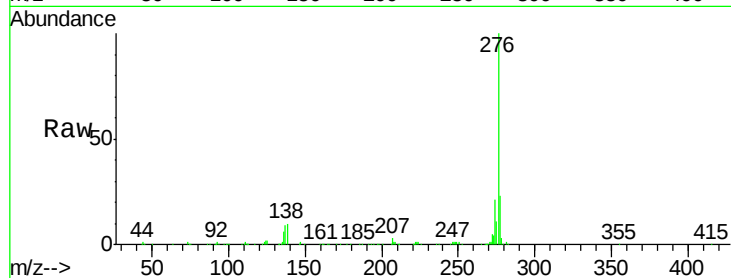




#91  
 Benzo(a,h,i)perylene  
 Concen: 41.02 ng  
 RT: 30.69 min Scan# 4612  
 Delta R.T. -0.14 min  
 Lab File: BG028834.D  
 Acq: 20 Sep 2017 16:35

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.6  | 18.6  | 27.8  |
| 138     | 10.4  | 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

