

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG121418\  
 Data File : BG038584.D  
 Acq On : 15 Dec 2018 1:42  
 Operator : JU/SJ  
 Sample : PB115532BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

Quant Time: Dec 15 03:13:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 22331    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.88 | 136  | 89381    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.70 | 164  | 57622    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.45 | 188  | 147243   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.72 | 240  | 161082   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.02 | 264  | 175275   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 160843 | 127.75 | ng | 0.00 |
| 7) Phenol-d6             | 7.21  | 99  | 207056 | 119.79 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.24  | 82  | 123446 | 70.56  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 94538  | 119.05 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.32 | 172 | 286148 | 68.13  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.04 | 244 | 621172 | 83.92  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.49  | 88  | 20126  | 34.346 | ng | # 86   |
| 3) Pyridine                    | 3.89  | 79  | 55563  | 34.440 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 36027  | 45.575 | ng | # 89   |
| 6) Aniline                     | 7.39  | 93  | 77916  | 35.313 | ng | 94     |
| 8) 2-Chlorophenol              | 7.62  | 128 | 65883  | 45.218 | ng | 99     |
| 9) Benzaldehyde                | 7.20  | 77  | 22906  | 20.429 | ng | 99     |
| 10) Phenol                     | 7.24  | 94  | 82356  | 44.850 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.48  | 93  | 56952  | 38.956 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.95  | 146 | 67407  | 39.128 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.09  | 146 | 68734  | 38.957 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.41  | 146 | 64589  | 38.831 | ng | 98     |
| 15) Benzyl Alcohol             | 8.30  | 79  | 58124  | 43.084 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 130327 | 38.915 | ng | 99     |
| 17) 2-Methylphenol             | 8.50  | 107 | 57345  | 46.611 | ng | 96     |
| 18) Hexachloroethane           | 9.14  | 117 | 25061  | 38.871 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.86  | 70  | 47729  | 39.317 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.83  | 107 | 76076  | 44.775 | ng | 97     |
| 22) Acetophenone               | 8.89  | 105 | 94365  | 42.268 | ng | # 98   |
| 24) Nitrobenzene               | 9.28  | 77  | 73604  | 41.586 | ng | 98     |
| 25) Isophorone                 | 9.79  | 82  | 133947 | 42.611 | ng | 98     |
| 26) 2-Nitrophenol              | 9.99  | 139 | 36834  | 40.661 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 10.03 | 122 | 64818  | 49.926 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93  | 76313  | 43.018 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.52 | 162 | 67276  | 46.580 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 71000  | 40.697 | ng | 92     |
| 31) Naphthalene                | 10.93 | 128 | 193817 | 44.011 | ng | 97     |
| 32) Benzoic acid               | 10.18 | 122 | 26885  | 35.863 | ng | # 86   |
| 33) 4-Chloroaniline            | 11.04 | 127 | 42998  | 22.489 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.19 | 225 | 46198  | 39.135 | ng | 93     |
| 35) Caprolactam                | 11.82 | 113 | 14025  | 23.464 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 12.15 | 107 | 69826  | 42.365 | ng | 91     |
| 37) 2-Methylnaphthalene        | 12.53 | 142 | 143833 | 45.781 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.75 | 142 | 135864 | 44.564 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 83436  | 38.737 | ng | 99     |

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 Acq On : 15 Dec 2018 1:42  
 Operator : JU/SJ  
 Sample : PB115532BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

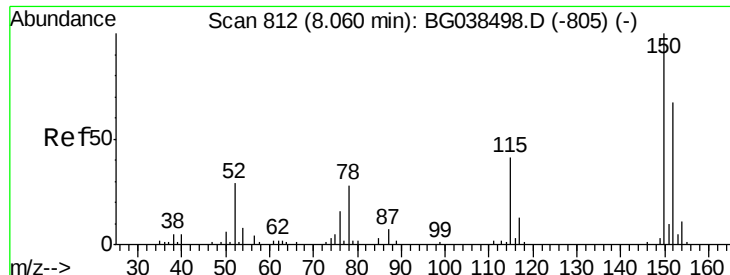
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

Quant Time: Dec 15 03:13:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.86 | 237  | 112063   | 94.701 | ng    | 91       |
| 43) 2,4,6-Trichlorophenol      | 13.13 | 196  | 56847    | 42.924 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.21 | 196  | 63504    | 45.289 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 13.53 | 154  | 186046   | 38.514 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.58 | 162  | 149339   | 40.023 | ng    | 96       |
| 48) 2-Nitroaniline             | 13.79 | 65   | 50636    | 42.604 | ng    | 97       |
| 49) Acenaphthylene             | 14.42 | 152  | 245642   | 44.036 | ng    | 100      |
| 50) Dimethylphthalate          | 14.15 | 163  | 199984   | 42.499 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.28 | 165  | 45266    | 42.449 | ng    | 97       |
| 52) Acenaphthene               | 14.76 | 154  | 138280   | 41.456 | ng    | 94       |
| 53) 3-Nitroaniline             | 14.62 | 138  | 32858    | 30.227 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.82 | 184  | 51085    | 80.480 | ng    | 96       |
| 55) Dibenzofuran               | 15.09 | 168  | 233831   | 40.896 | ng    | 98       |
| 56) 4-Nitrophenol              | 14.92 | 139  | 74661    | 90.536 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 15.06 | 165  | 65311    | 43.484 | ng    | 99       |
| 58) Fluorene                   | 15.74 | 166  | 188913   | 44.595 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.32 | 232  | 55938    | 44.341 | ng    | 98       |
| 60) Diethylphthalate           | 15.50 | 149  | 207672   | 40.202 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204  | 104398   | 39.499 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.78 | 138  | 48925    | 43.717 | ng    | 99       |
| 63) Azobenzene                 | 16.03 | 77   | 179715   | 41.645 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198  | 40439    | 38.500 | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 15.95 | 169  | 174172   | 40.259 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether  | 16.62 | 248  | 68863    | 38.294 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.74 | 284  | 72474    | 38.879 | ng    | 96       |
| 69) Atrazine                   | 16.89 | 200  | 72762    | 45.319 | ng    | 98       |
| 70) Pentachlorophenol          | 17.09 | 266  | 83311    | 75.559 | ng    | 99       |
| 71) Phenanthrene               | 17.49 | 178  | 334856   | 43.855 | ng    | 98       |
| 72) Anthracene                 | 17.58 | 178  | 345293   | 45.808 | ng    | 99       |
| 73) Carbazole                  | 17.85 | 167  | 317919   | 42.646 | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 380576   | 44.491 | ng    | 99       |
| 75) Fluoranthene               | 19.49 | 202  | 440524   | 46.630 | ng    | 98       |
| 77) Benzidine                  | 19.68 | 184  | 230666   | 48.420 | ng    | 99       |
| 78) Pyrene                     | 19.86 | 202  | 437273   | 41.091 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.73 | 149  | 175150   | 42.128 | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.70 | 228  | 433880   | 44.203 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.62 | 252  | 109655   | 28.168 | ng    | 96       |
| 83) Chrysene                   | 21.77 | 228  | 400715   | 42.385 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 248501   | 42.144 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.80 | 149  | 423183   | 42.853 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.80 | 276  | 489919   | 44.077 | ng    | # 98     |
| 88) Benzo(b)fluoranthene       | 23.96 | 252  | 434095   | 45.109 | ng    | 97       |
| 89) Benzo(k)fluoranthene       | 24.03 | 252  | 411879   | 42.981 | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.86 | 252  | 421122   | 45.360 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.87 | 278  | 407055   | 44.035 | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 29.99 | 276  | 404326   | 44.384 | ng    | 99       |

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

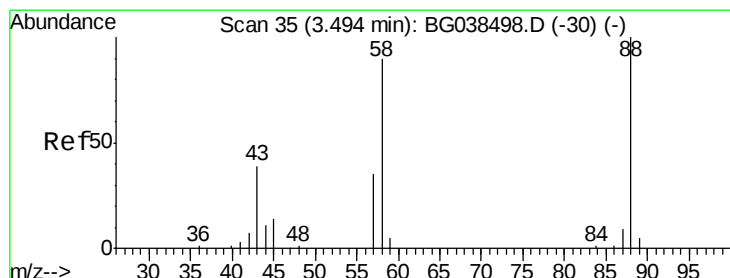
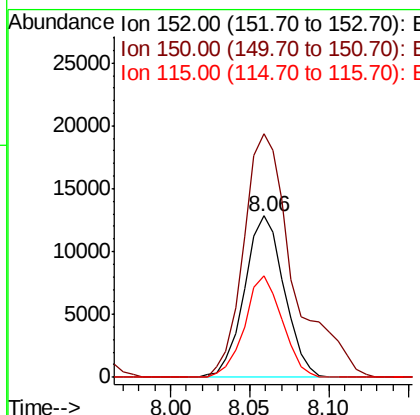
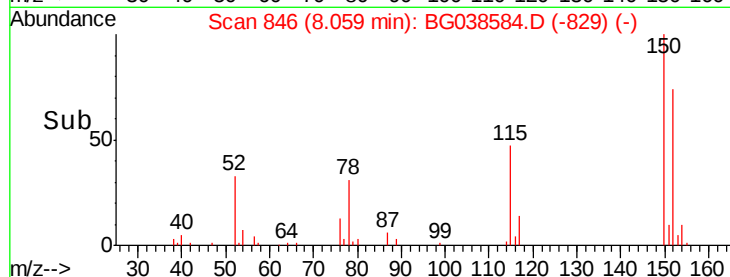
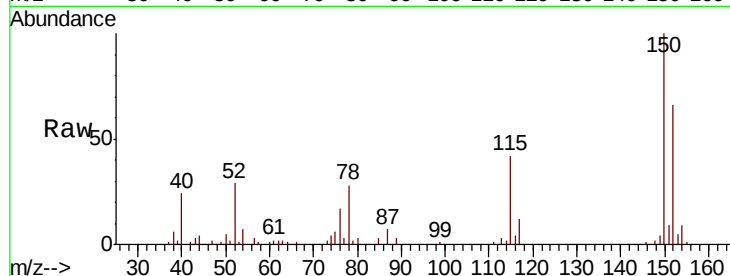




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.06 min Scan# 846  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

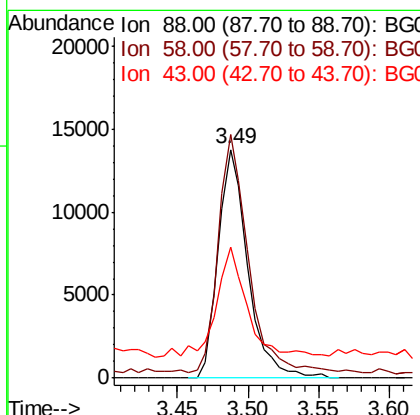
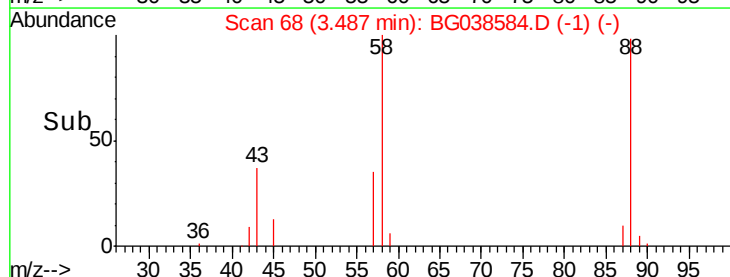
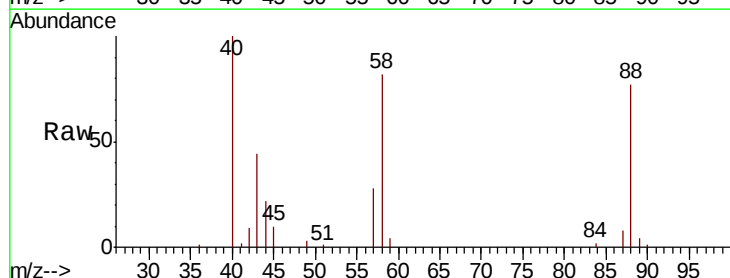
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

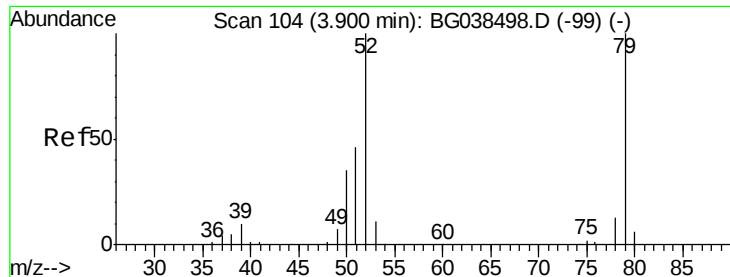
Tgt Ion:152 Resp: 22331  
 Ion Ratio Lower Upper  
 152 100  
 150 150.8 119.5 179.3  
 115 62.6 49.6 74.4



#2  
 1,4-Dioxane  
 Concen: 34.346 ng  
 RT: 3.49 min Scan# 68  
 Delta R.T. -0.01 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion: 88 Resp: 20126  
 Ion Ratio Lower Upper  
 88 100  
 58 106.3 75.7 113.5  
 43 50.5 31.6 47.4#





#3

Pyridine

Concen: 34.440 ng

RT: 3.89 min Scan# 137

Delta R.T. -0.01 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

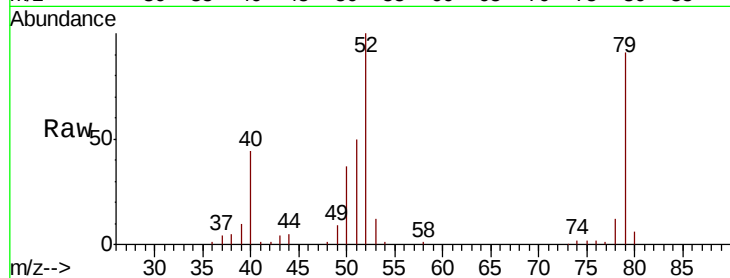
Tgt Ion: 79 Resp: 55563

Ion Ratio Lower Upper

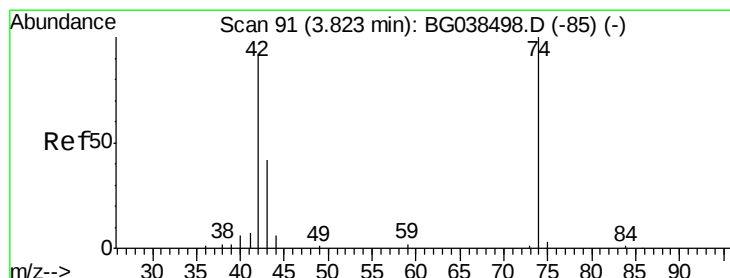
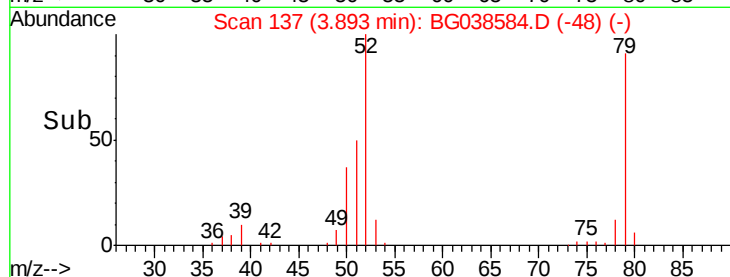
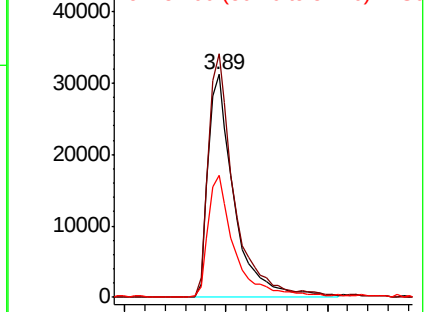
79 100

52 109.4 80.2 120.2

51 54.8 38.0 57.0



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 45.575 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.01 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

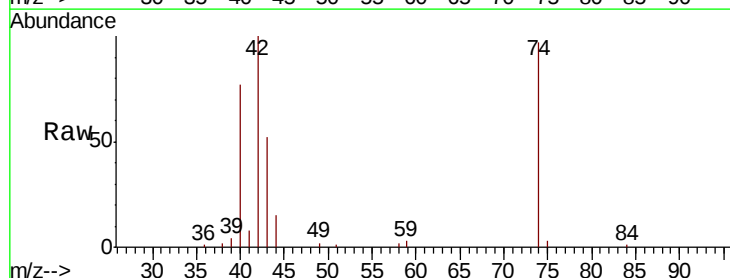
Tgt Ion: 42 Resp: 36027

Ion Ratio Lower Upper

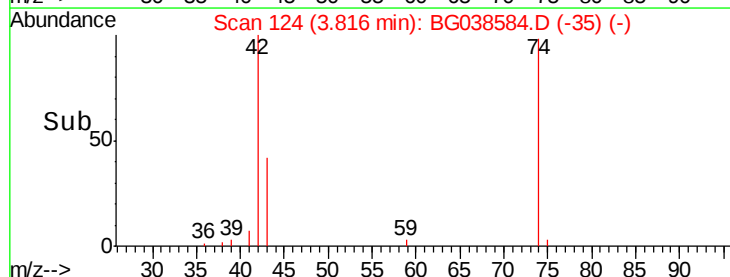
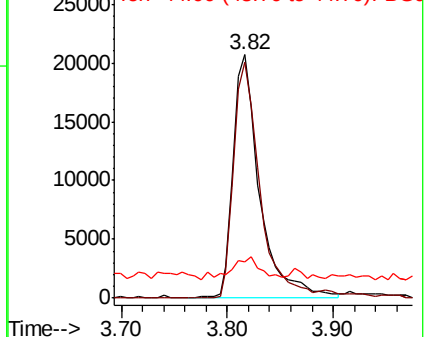
42 100

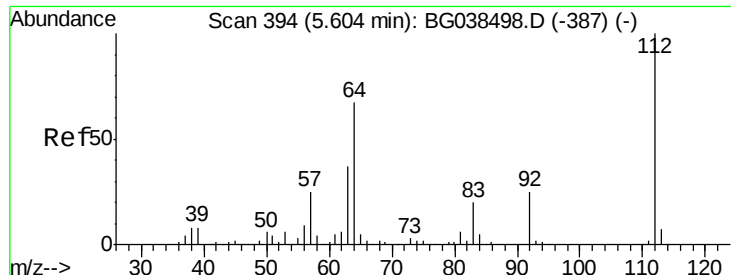
74 97.0 86.7 130.1

44 14.7 7.8 11.8#



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 127.750 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

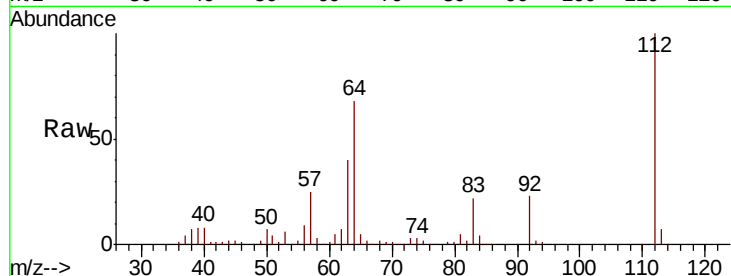
Tgt Ion: 112 Resp: 160843

Ion Ratio Lower Upper

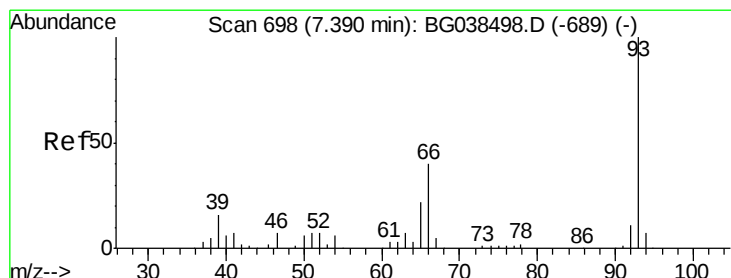
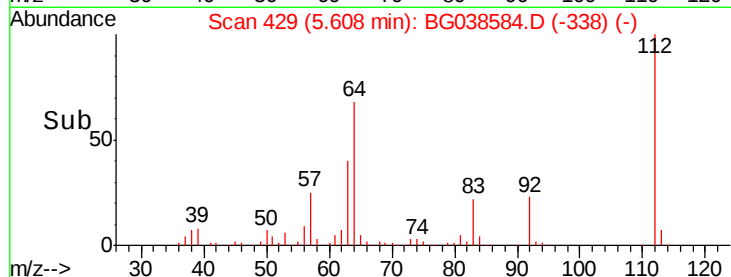
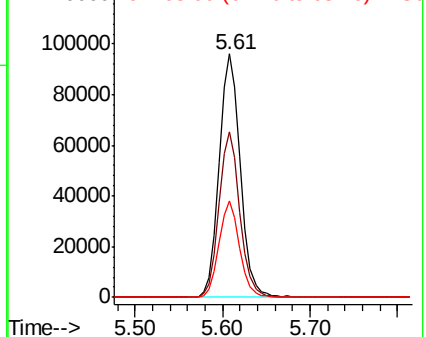
112 100

64 67.8 53.4 80.2

63 39.6 29.3 43.9



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



#6

Aniline

Concen: 35.313 ng

RT: 7.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

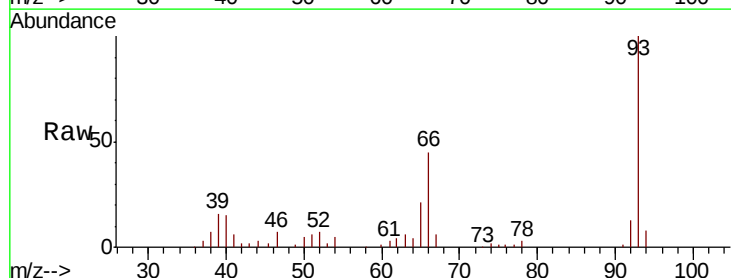
Tgt Ion: 93 Resp: 77916

Ion Ratio Lower Upper

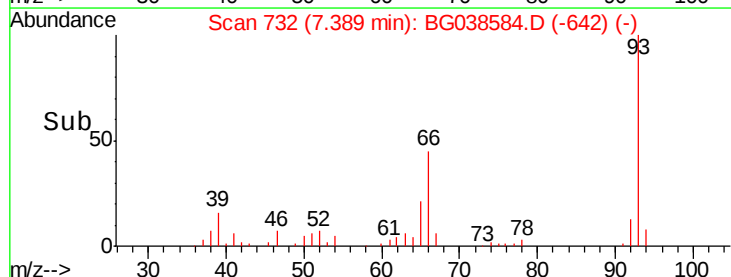
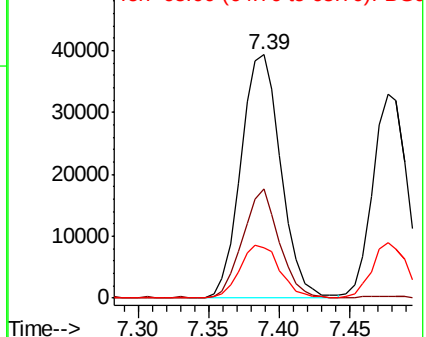
93 100

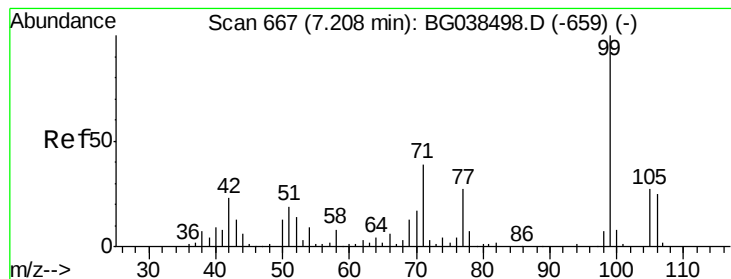
66 44.7 31.7 47.5

65 20.8 17.8 26.6



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: 119.795 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampled :

PB115532BS

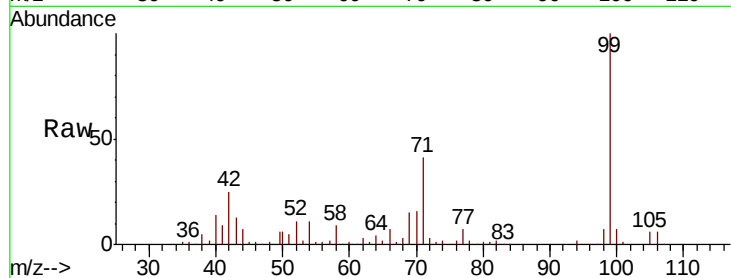
Tgt Ion: 99 Resp: 207056

Ion Ratio Lower Upper

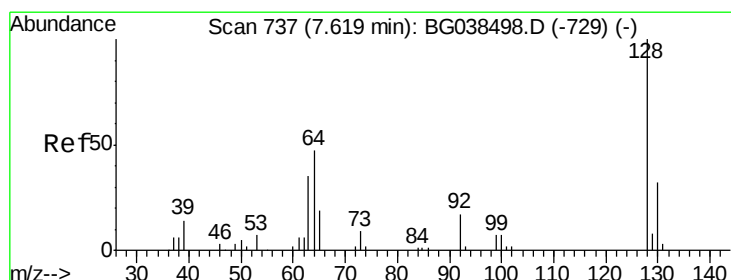
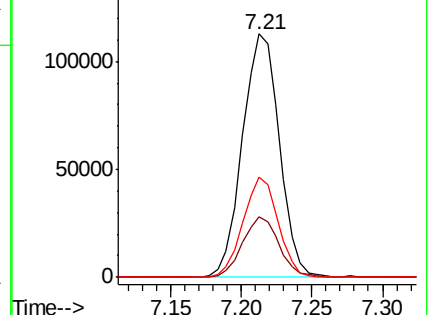
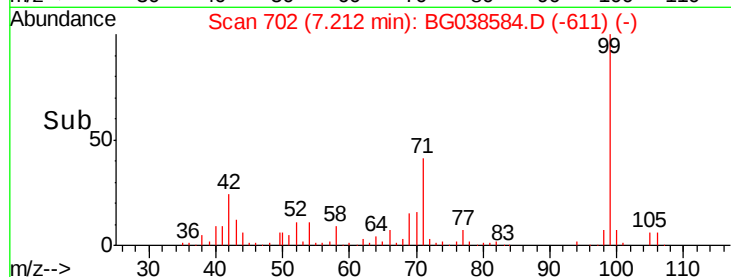
99 100

42 24.6 18.5 27.7

71 41.2 31.1 46.7



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



#8

2-Chlorophenol

Concen: 45.218 ng

RT: 7.62 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

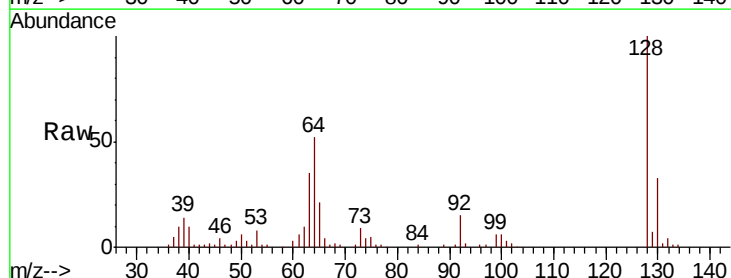
Tgt Ion: 128 Resp: 65883

Ion Ratio Lower Upper

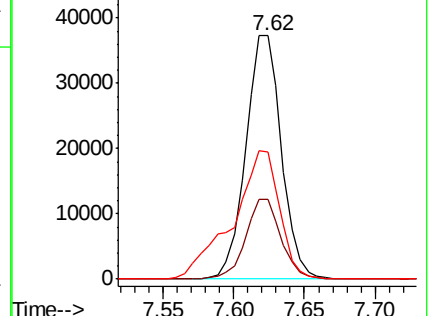
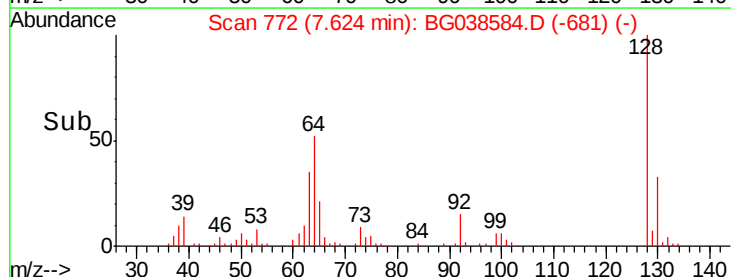
128 100

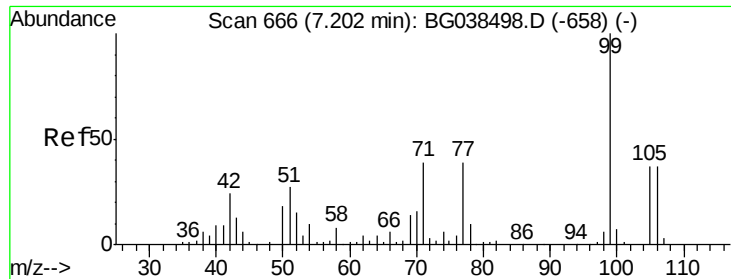
130 32.6 11.8 51.8

64 52.2 33.2 73.2



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





#9

Benzaldehyde

Concen: 20.429 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

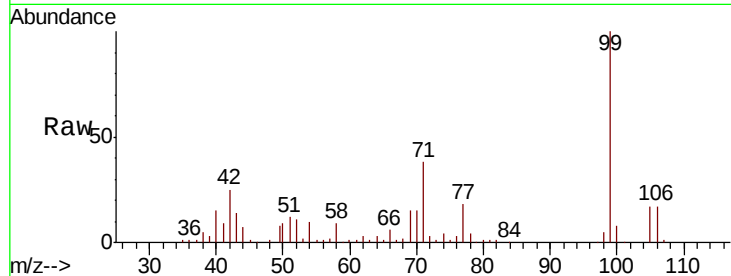
Tgt Ion: 77 Resp: 22906

Ion Ratio Lower Upper

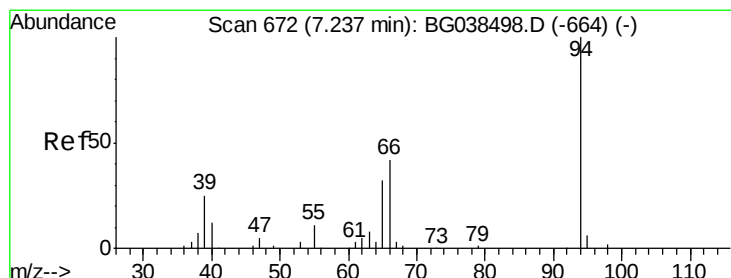
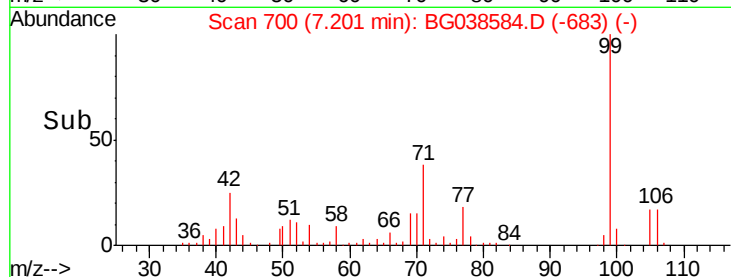
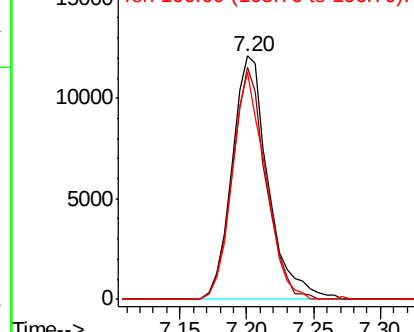
77 100

105 95.2 74.0 114.0

106 93.4 73.9 113.9



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: 44.850 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

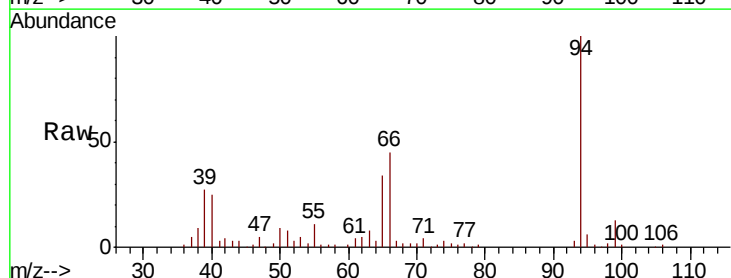
Tgt Ion: 94 Resp: 82356

Ion Ratio Lower Upper

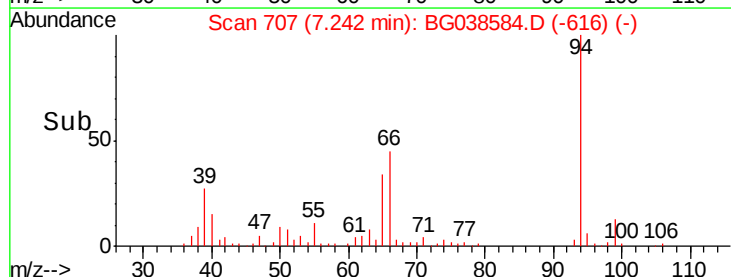
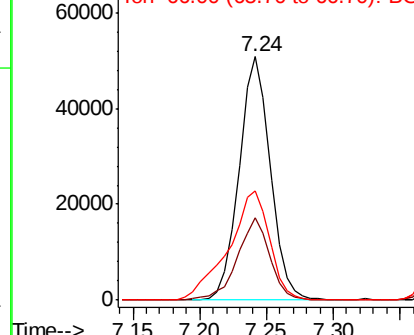
94 100

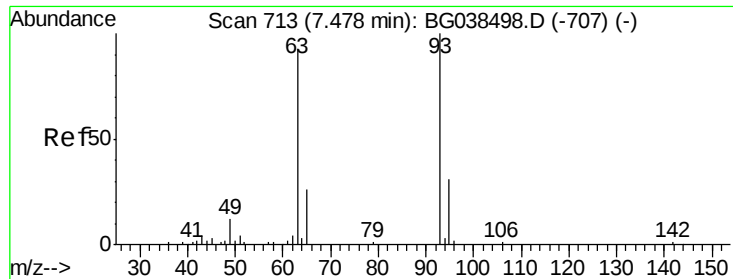
65 33.9 12.6 52.6

66 44.9 24.1 64.1



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

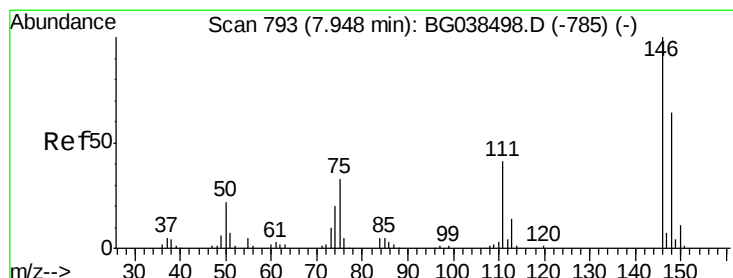
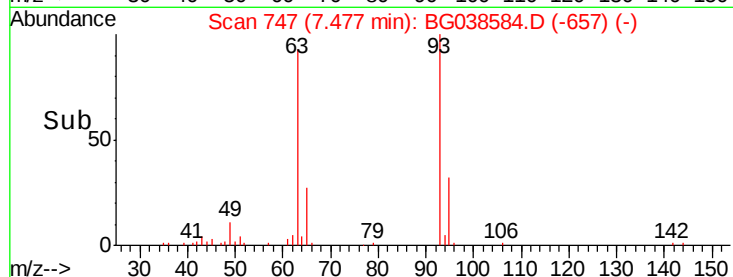
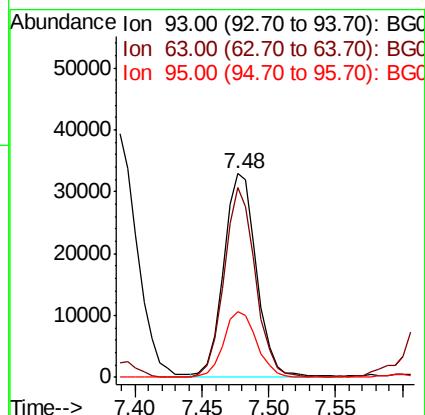
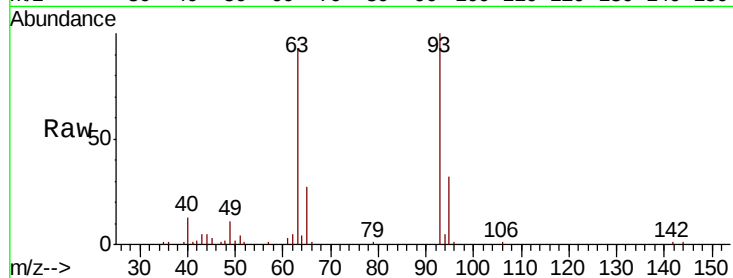




#11  
bis(2-Chloroethyl)ether  
Concen: 38.956 ng  
RT: 7.48 min Scan# 747  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

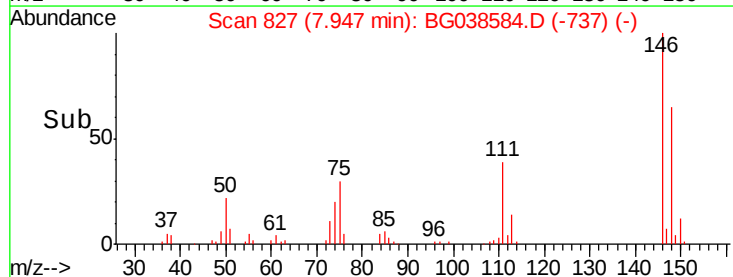
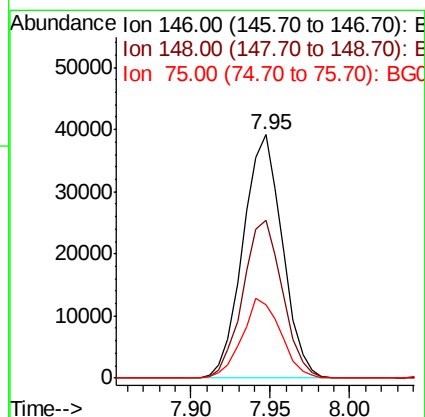
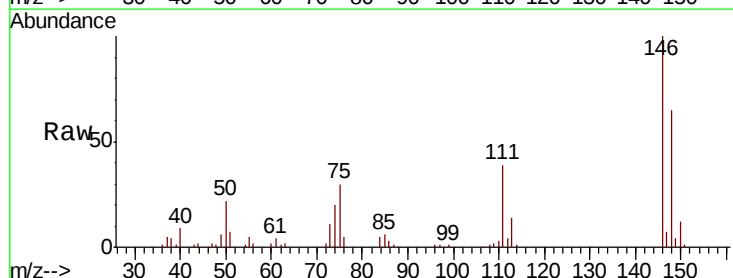
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

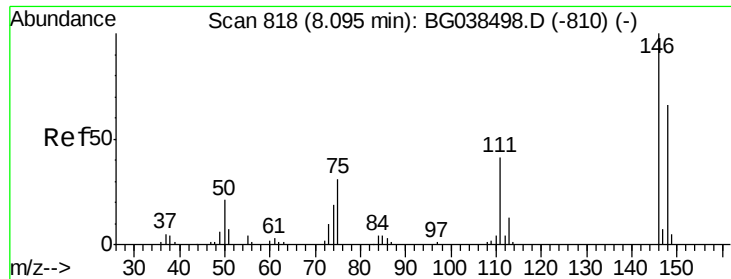
Tgt Ion: 93 Resp: 56952  
Ion Ratio Lower Upper  
93 100  
63 93.3 72.2 112.2  
95 32.3 11.2 51.2



#12  
1,3-Dichlorobenzene  
Concen: 39.128 ng  
RT: 7.95 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion: 146 Resp: 67407  
Ion Ratio Lower Upper  
146 100  
148 65.0 51.4 77.0  
75 30.3 26.1 39.1

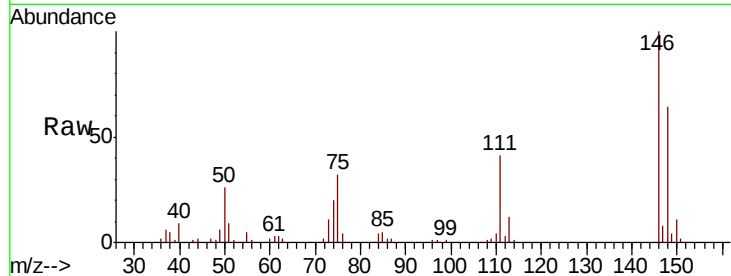




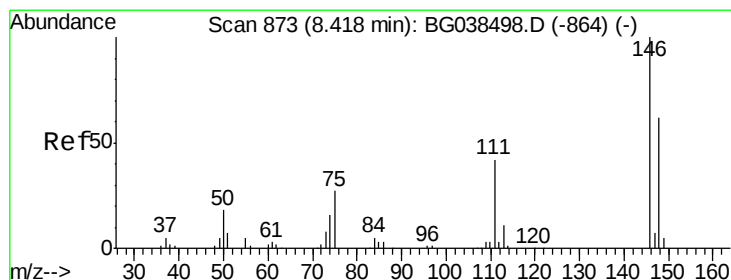
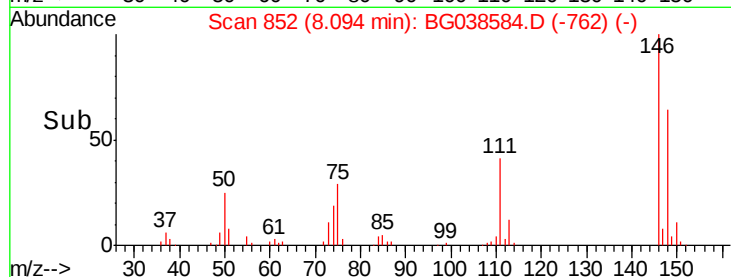
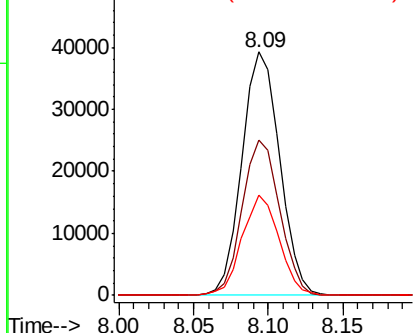
#13  
 1,4-Dichlorobenzene  
 Concen: 38.957 ng  
 RT: 8.09 min Scan# 852  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB115532BS

Tgt Ion:146 Resp: 68734  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 52.4 78.6  
 111 41.0 33.0 49.4

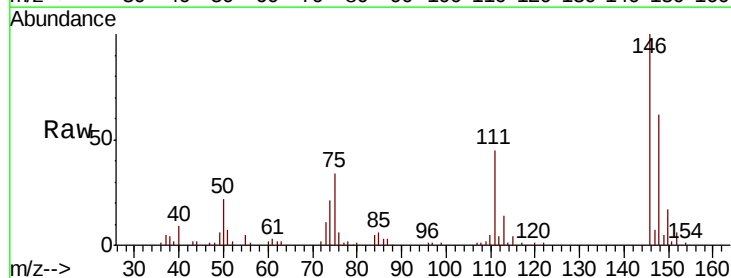


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

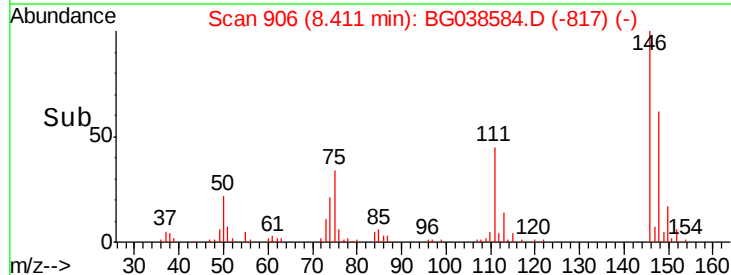
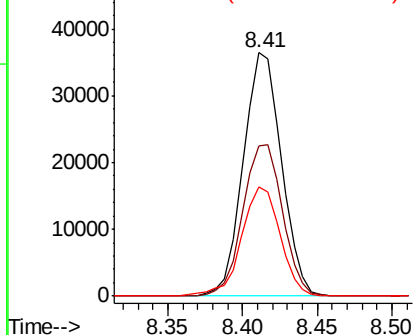


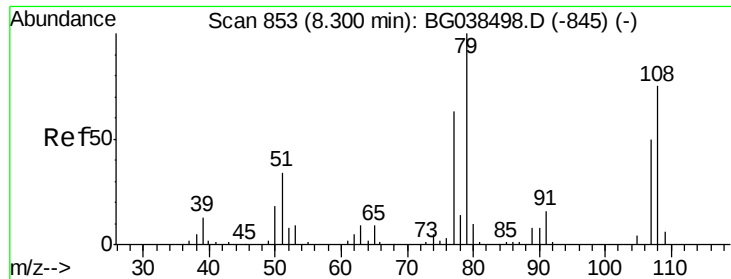
#14  
 1,2-Dichlorobenzene  
 Concen: 38.831 ng  
 RT: 8.41 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion:146 Resp: 64589  
 Ion Ratio Lower Upper  
 146 100  
 148 61.7 49.4 74.0  
 111 44.7 33.8 50.6



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





#15

Benzyl Alcohol

Concen: 43.084 ng

RT: 8.30 min Scan# 887

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

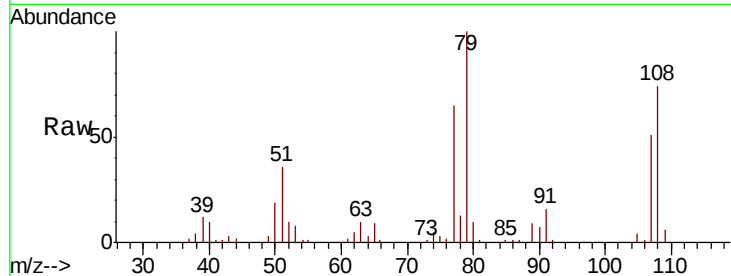
Tgt Ion: 79 Resp: 58124

Ion Ratio Lower Upper

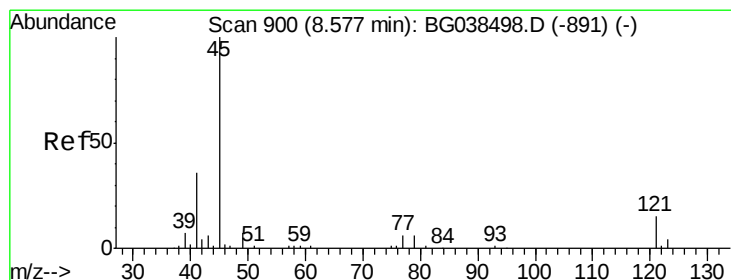
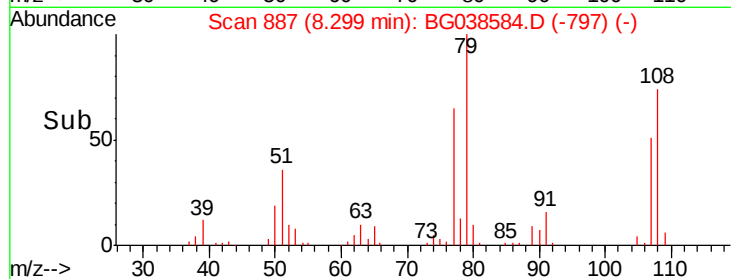
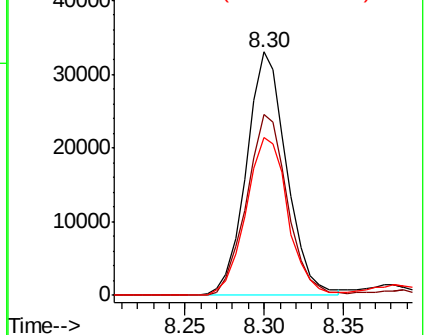
79 100

108 74.3 60.2 90.4

77 64.8 50.7 76.1



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.915 ng

RT: 8.58 min Scan# 934

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

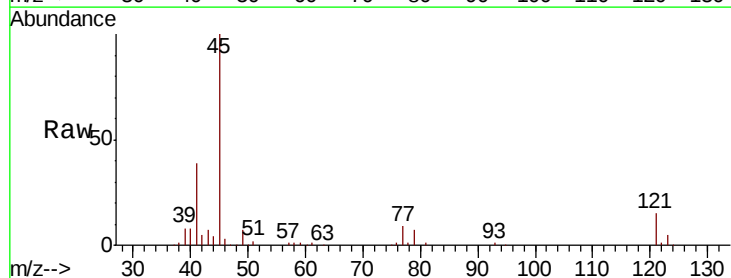
Tgt Ion: 45 Resp: 130327

Ion Ratio Lower Upper

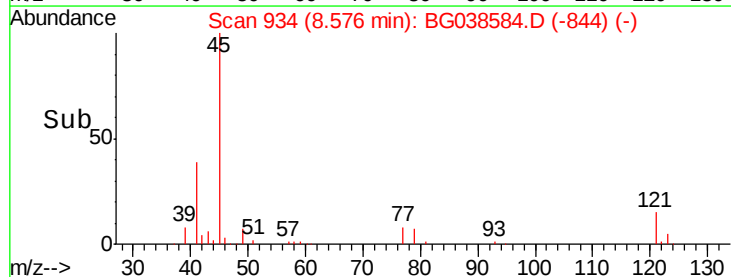
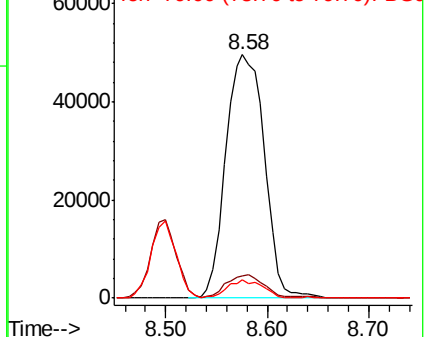
45 100

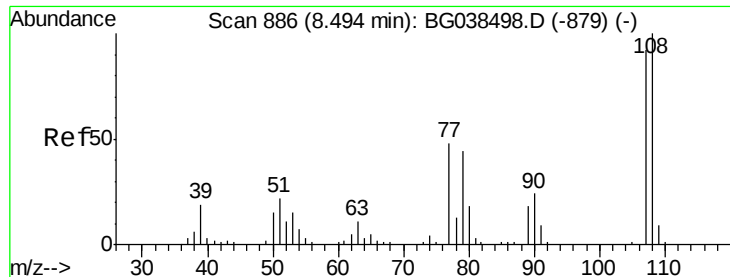
77 9.0 0.0 28.2

79 7.4 0.0 27.2



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

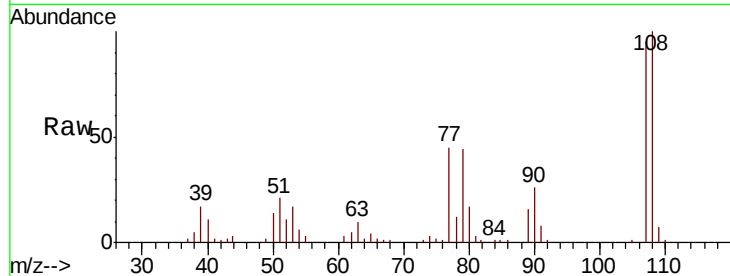




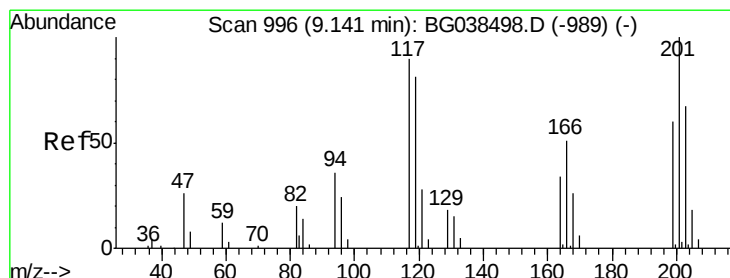
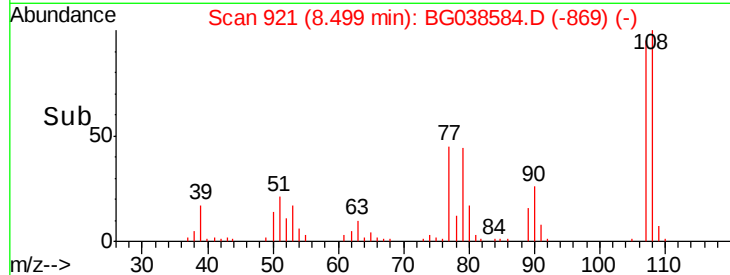
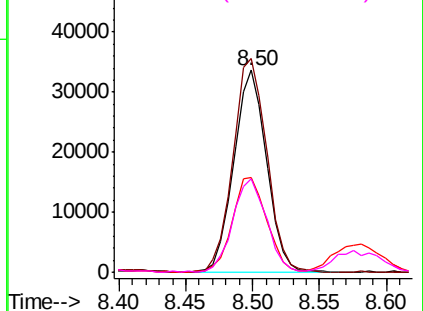
#17  
2-Methylphenol  
Concen: 46.611 ng  
RT: 8.50 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

Tgt Ion:107 Resp: 57345  
Ion Ratio Lower Upper  
107 100  
108 105.7 87.1 130.7  
77 47.2 42.0 63.0  
79 46.5 38.2 57.2

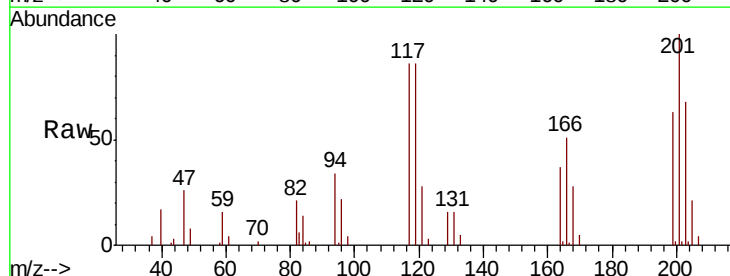


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

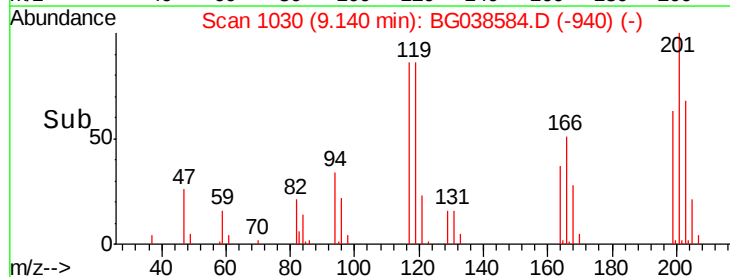
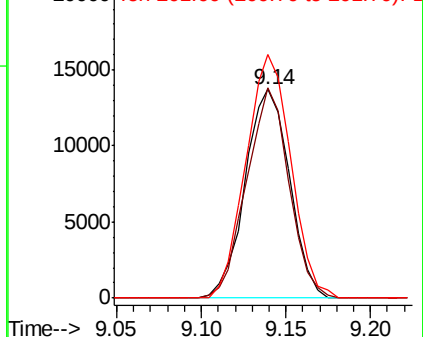


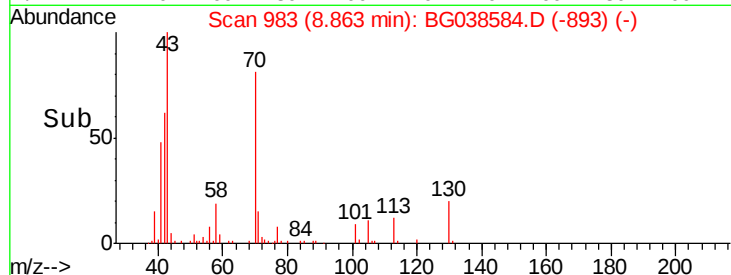
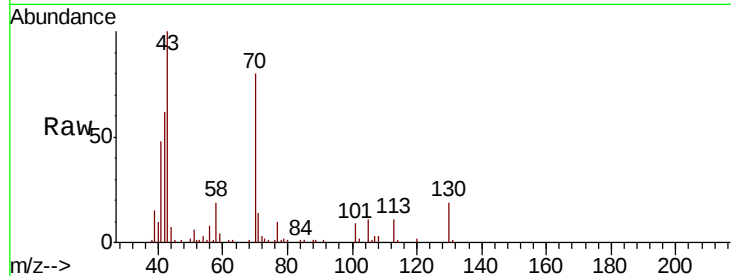
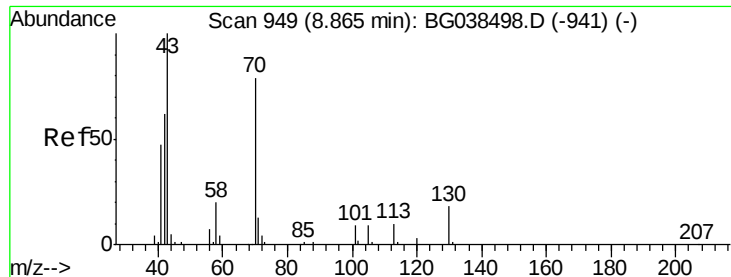
#18  
Hexachloroethane  
Concen: 38.871 ng  
RT: 9.14 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion:117 Resp: 25061  
Ion Ratio Lower Upper  
117 100  
119 100.5 73.8 110.8  
201 116.7 89.4 134.0



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

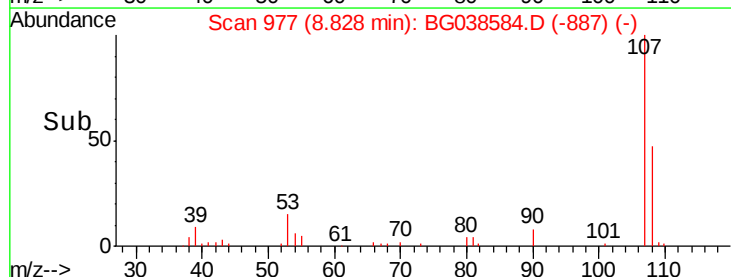
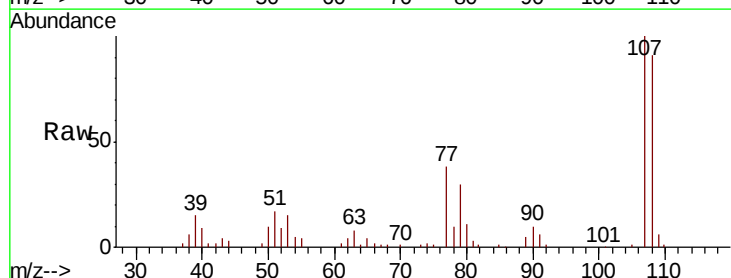
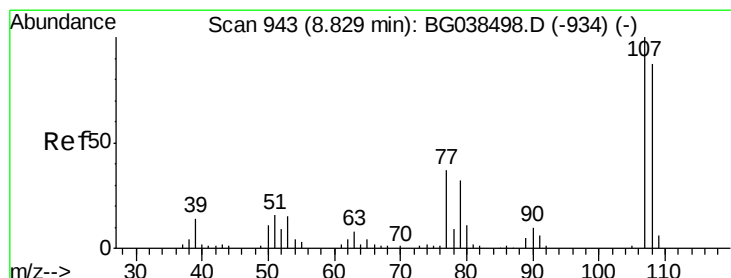
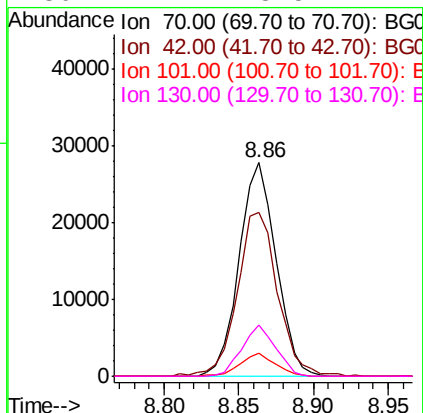




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.317 ng  
RT: 8.86 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

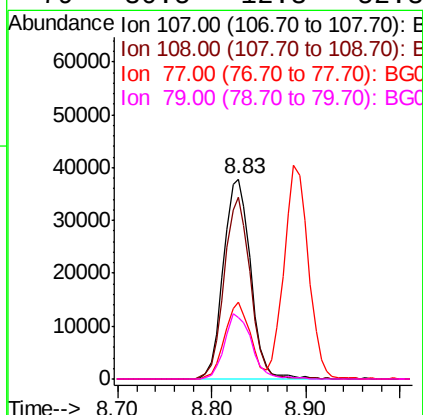
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

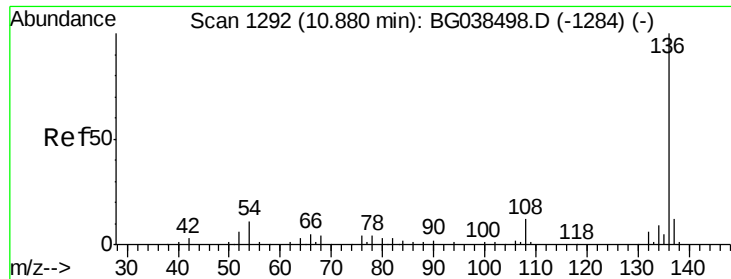
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 47729 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 76.5  | 63.6  | 95.4  |
| 101      | 10.7  | 9.2   | 13.8  |
| 130      | 24.1  | 18.5  | 27.7  |



#20  
3+4-Methylphenols  
Concen: 44.775 ng  
RT: 8.83 min Scan# 977  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 76076 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 90.8  | 66.7  | 106.7 |
| 77       | 38.2  | 17.3  | 57.3  |
| 79       | 30.5  | 12.3  | 52.3  |

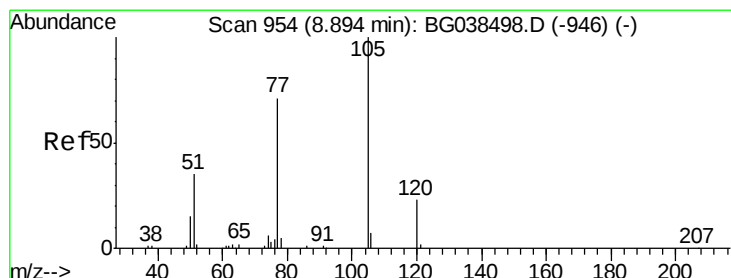
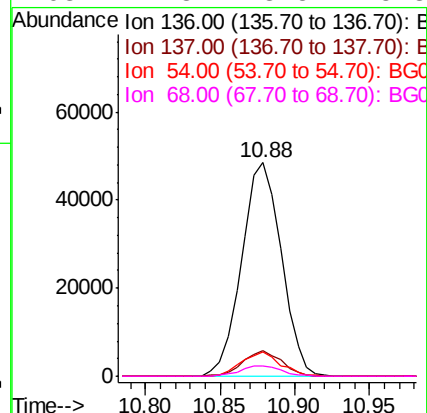
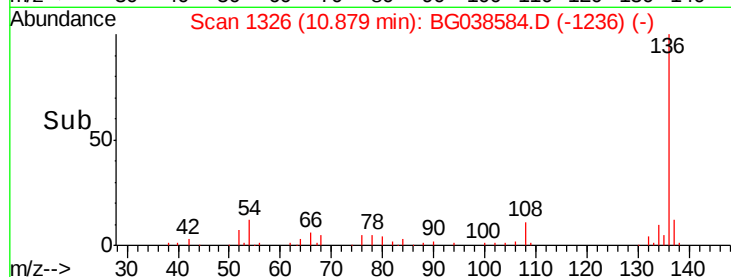
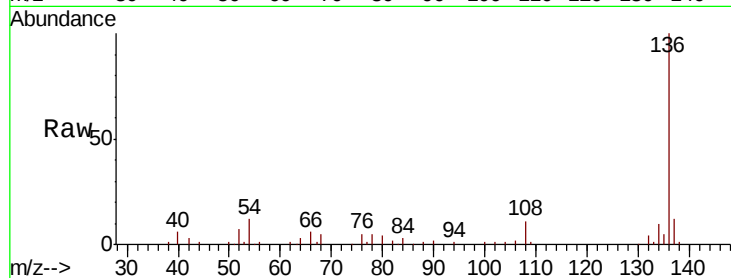




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

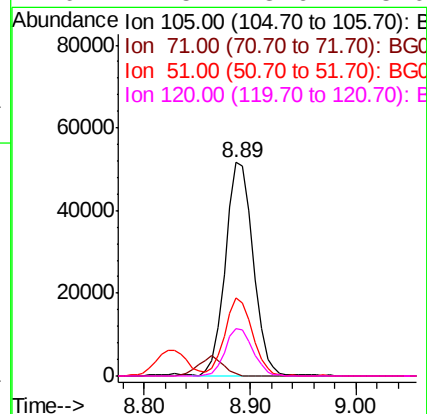
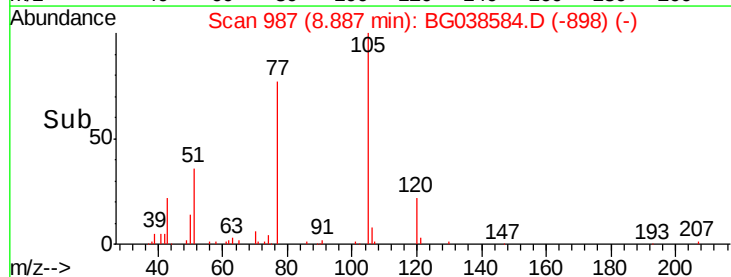
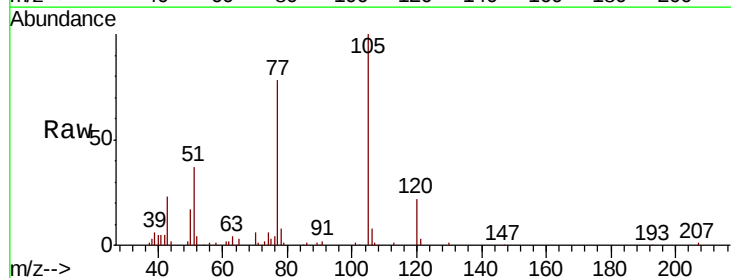
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

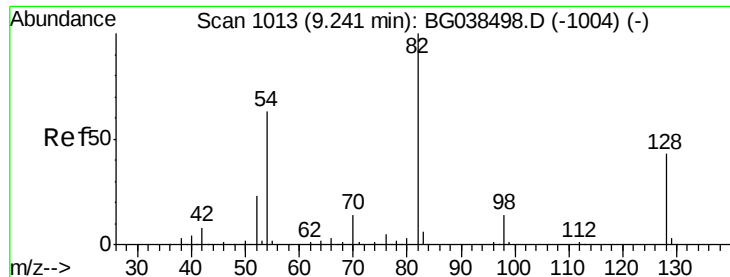
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 89381 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.9  | 9.3   | 13.9  |
| 54       | 11.7  | 8.5   | 12.7  |
| 68       | 4.8   | 3.5   | 5.3   |



#22  
Acetophenone  
Concen: 42.268 ng  
RT: 8.89 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 94365 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 1.3   | 0.4   | 0.6#  |
| 51       | 36.6  | 30.6  | 46.0  |
| 120      | 22.5  | 18.6  | 28.0  |

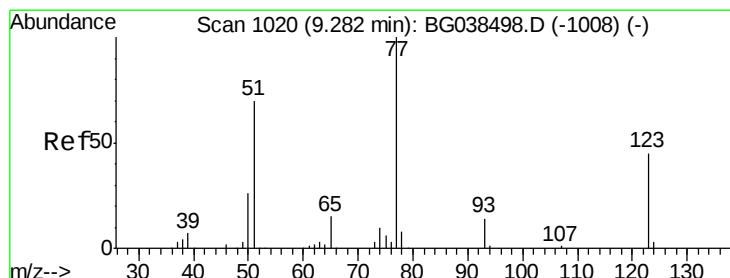
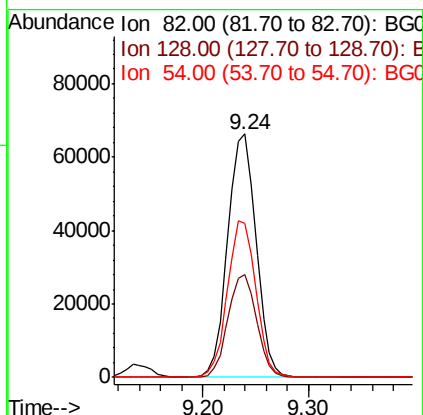
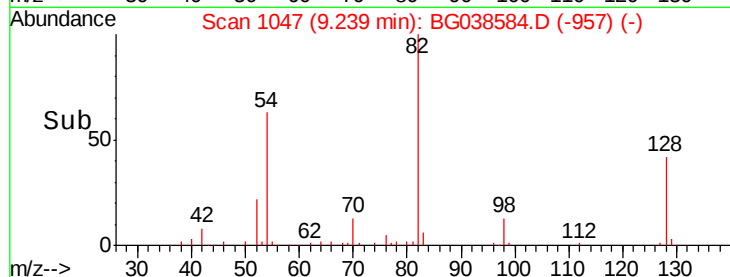
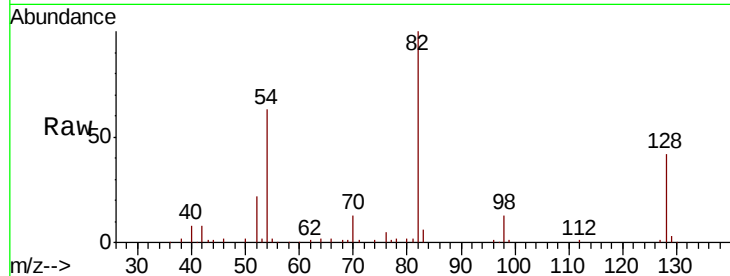




#23  
 Nitrobenzene-d5  
 Concen: 70.558 ng  
 RT: 9.24 min Scan# 1047  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

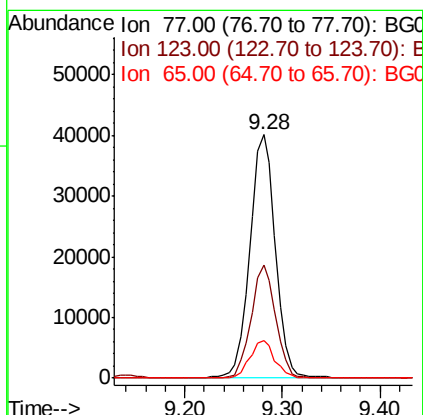
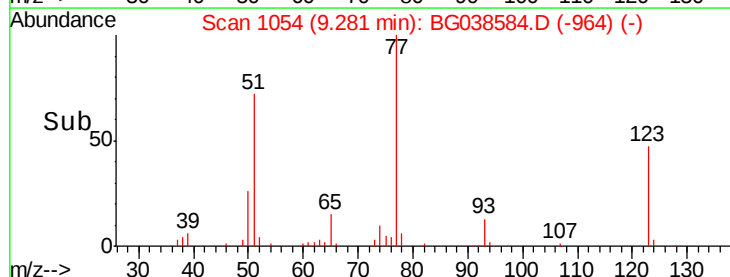
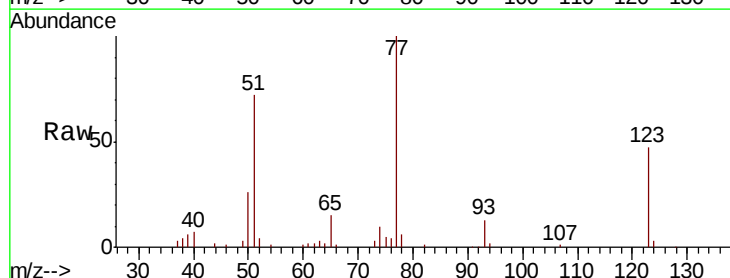
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

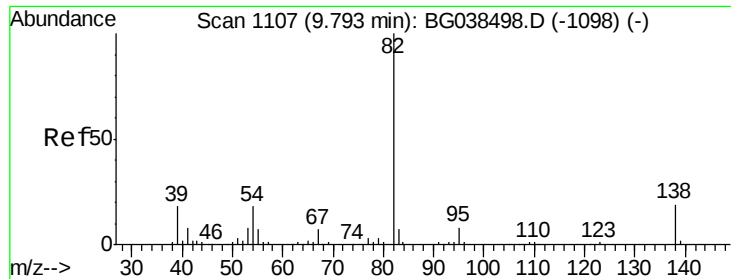
Tgt Ion: 82 Resp: 123446  
 Ion Ratio Lower Upper  
 82 100  
 128 42.2 34.6 52.0  
 54 63.0 50.6 76.0



#24  
 Nitrobenzene  
 Concen: 41.586 ng  
 RT: 9.28 min Scan# 1054  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion: 77 Resp: 73604  
 Ion Ratio Lower Upper  
 77 100  
 123 46.7 35.9 53.9  
 65 15.5 12.0 18.0

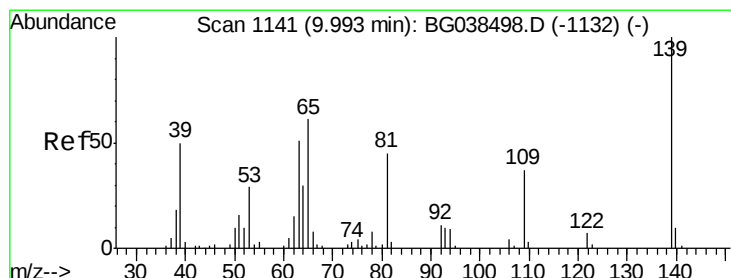
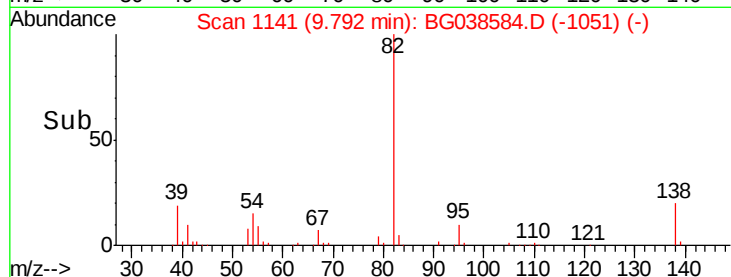
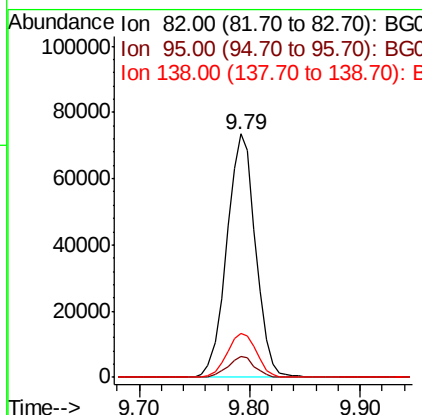
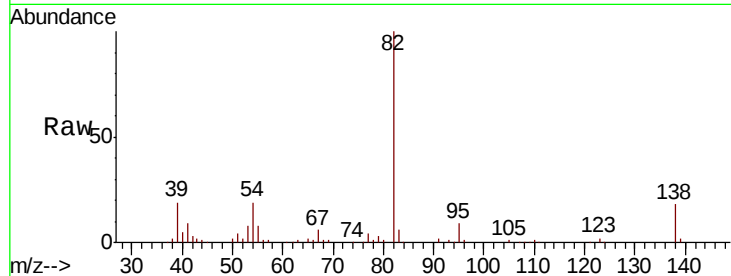




#25  
Isophorone  
Concen: 42.611 ng  
RT: 9.79 min Scan# 1141  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

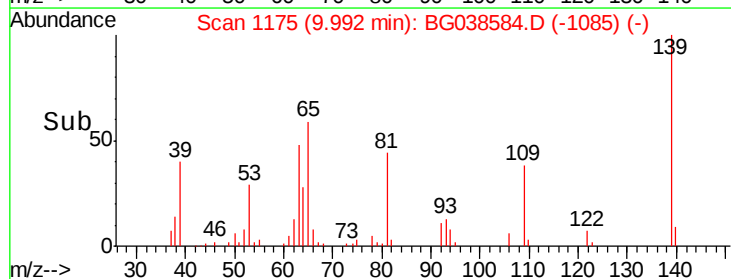
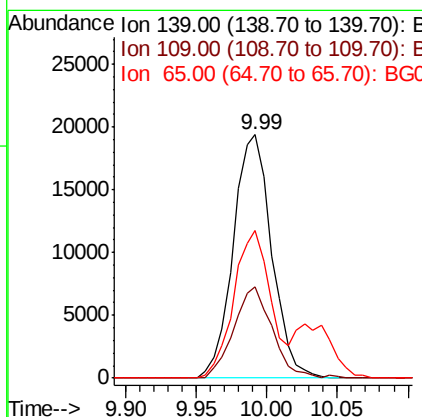
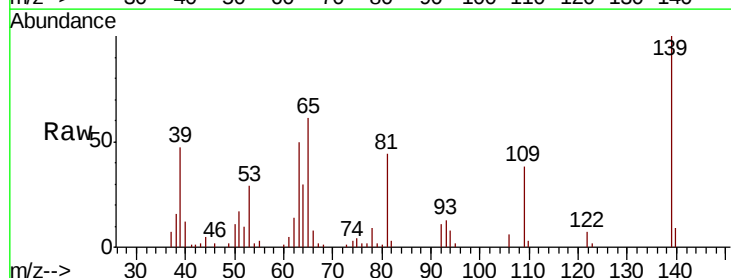
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

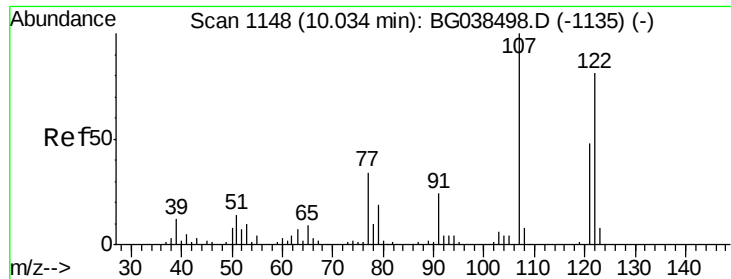
Tgt Ion: 82 Resp: 133947  
Ion Ratio Lower Upper  
82 100  
95 8.7 6.1 9.1  
138 17.8 14.9 22.3



#26  
2-Nitrophenol  
Concen: 40.661 ng  
RT: 9.99 min Scan# 1175  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion: 139 Resp: 36834  
Ion Ratio Lower Upper  
139 100  
109 37.5 29.5 44.3  
65 60.8 48.5 72.7

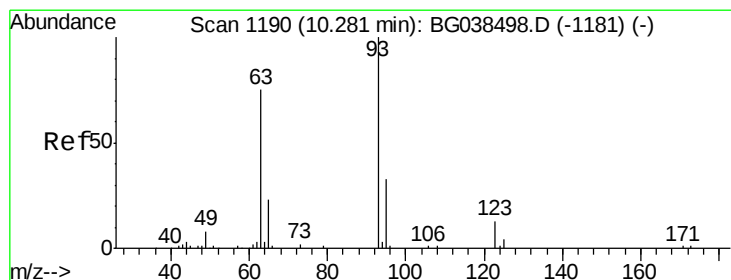
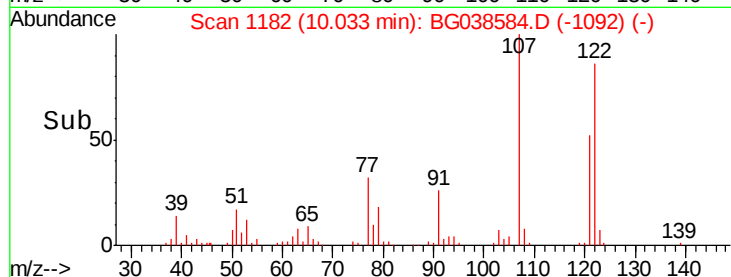
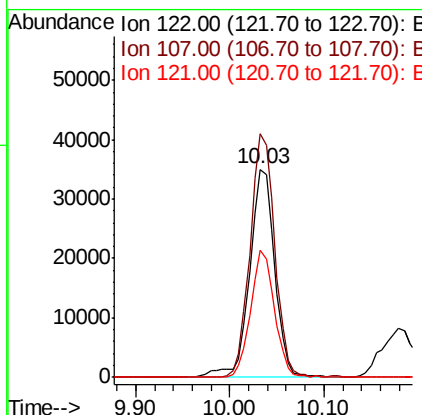
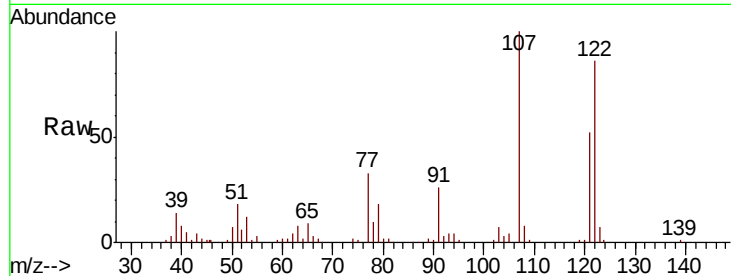




#27  
 2,4-Dimethylphenol  
 Concen: 49.926 ng  
 RT: 10.03 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

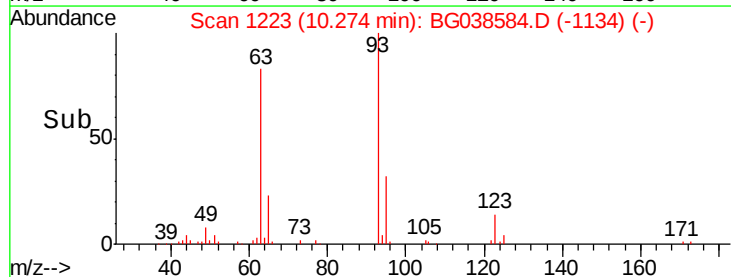
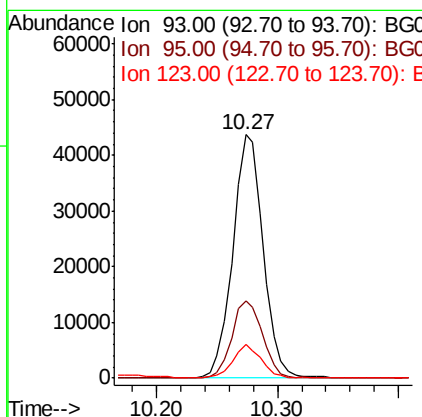
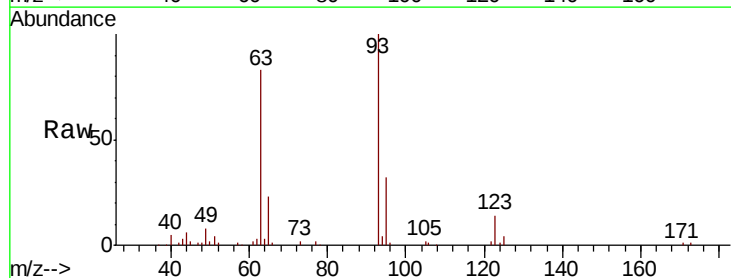
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

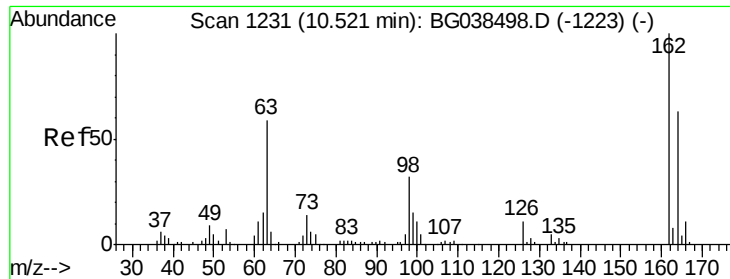
Tgt Ion:122 Resp: 64818  
 Ion Ratio Lower Upper  
 122 100  
 107 116.9 98.4 147.6  
 121 61.0 47.2 70.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.018 ng  
 RT: 10.27 min Scan# 1223  
 Delta R.T. -0.01 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion: 93 Resp: 76313  
 Ion Ratio Lower Upper  
 93 100  
 95 31.9 26.6 40.0  
 123 13.8 10.6 16.0

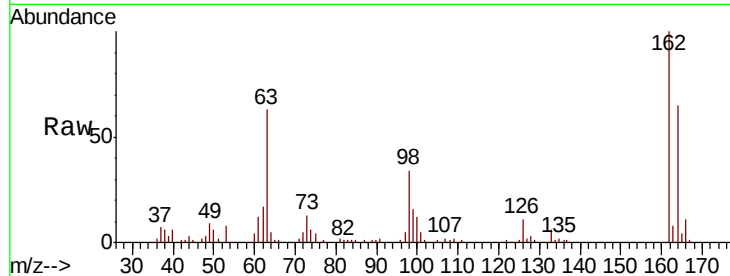




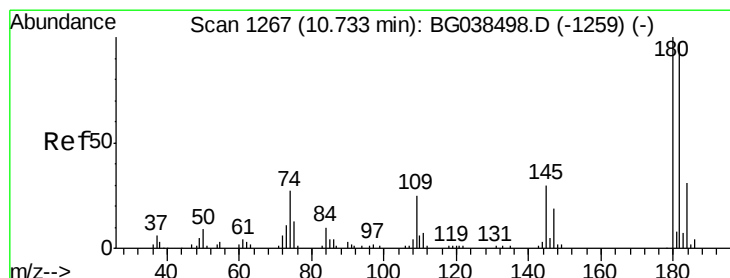
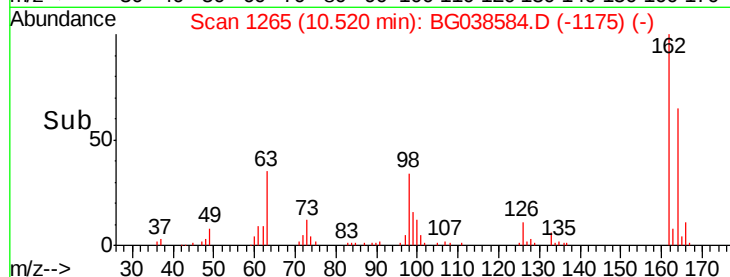
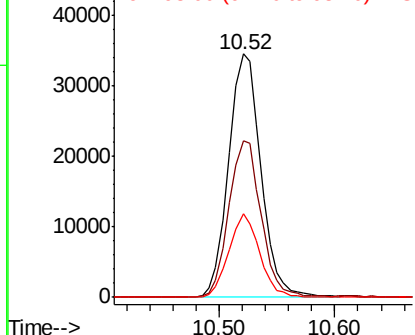
#29  
2,4-Dichlorophenol  
Concen: 46.580 ng  
RT: 10.52 min Scan# 1265  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 42.9  | 82.9  |
| 98      | 34.2  | 12.1  | 52.1  |

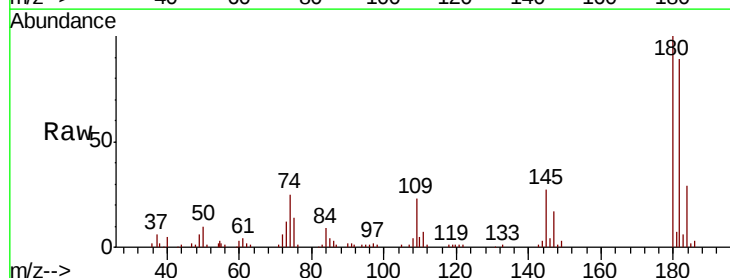


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): B

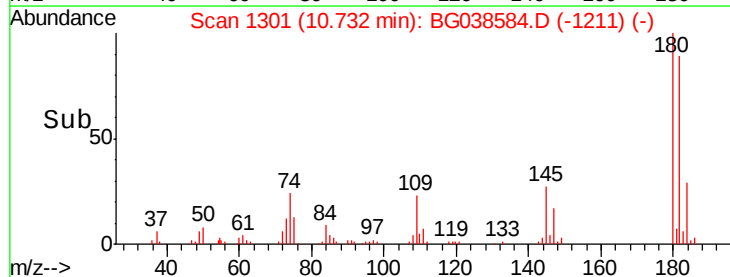
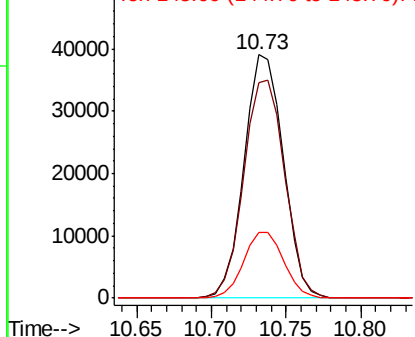


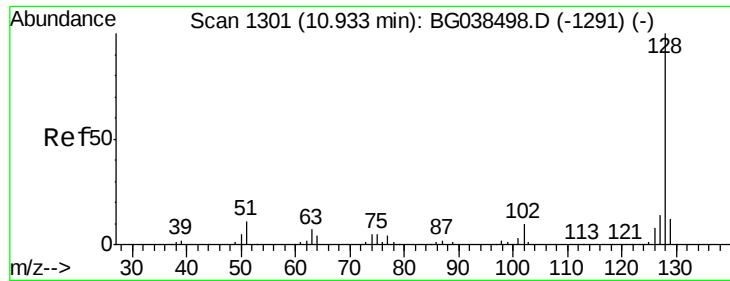
#30  
1,2,4-Trichlorobenzene  
Concen: 40.697 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 88.7  | 77.4  | 116.0 |
| 145     | 27.0  | 24.1  | 36.1  |



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

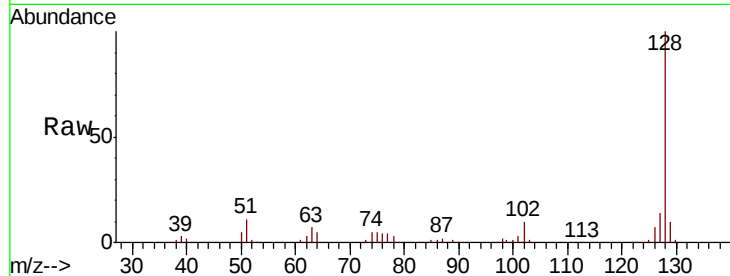




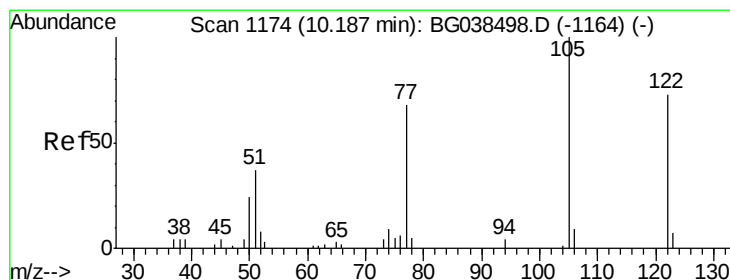
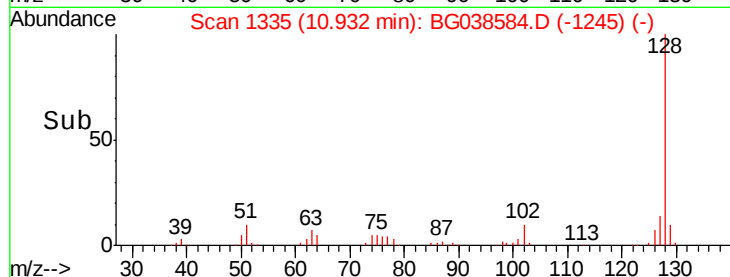
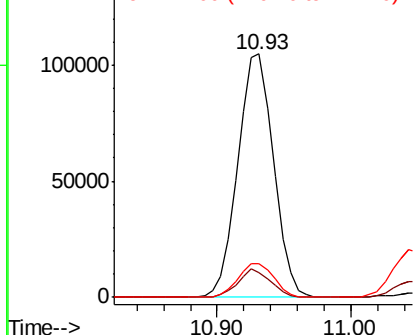
#31  
Naphthalene  
Concen: 44.011 ng  
RT: 10.93 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

Tgt Ion:128 Resp: 193817  
Ion Ratio Lower Upper  
128 100  
129 10.1 9.5 14.3  
127 14.0 10.9 16.3

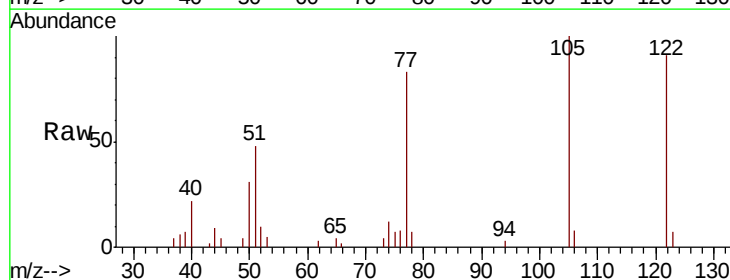


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

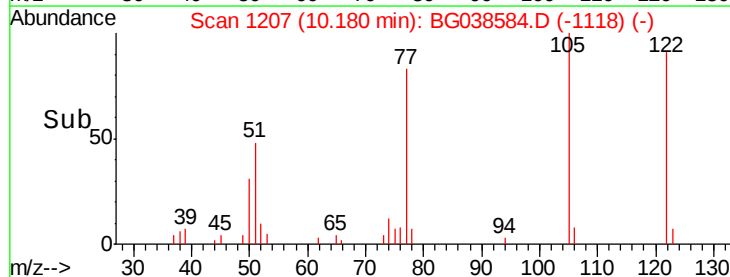
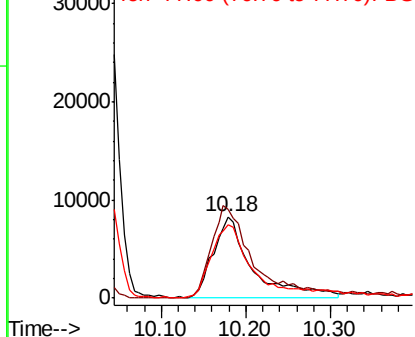


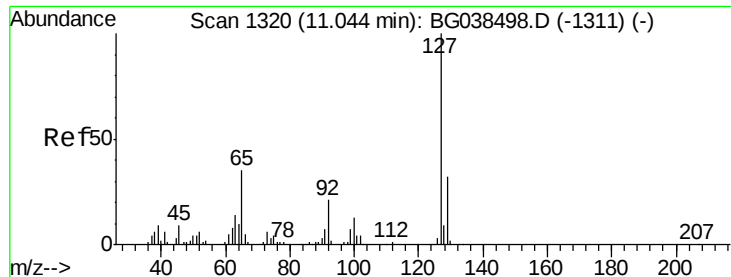
#32  
Benzoic acid  
Concen: 35.863 ng  
RT: 10.18 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion:122 Resp: 26885  
Ion Ratio Lower Upper  
122 100  
105 109.5 116.7 156.7#  
77 91.2 72.5 112.5



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

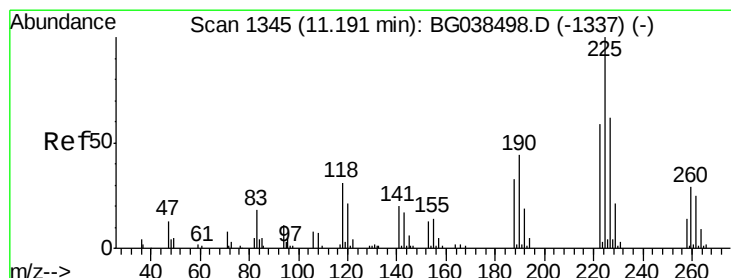
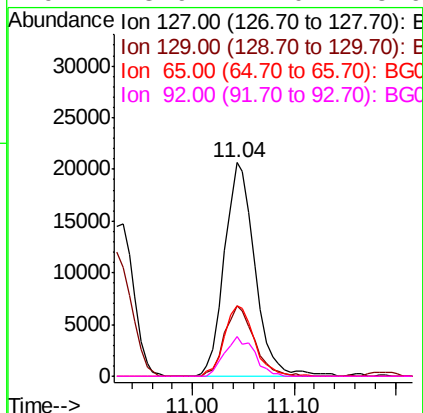
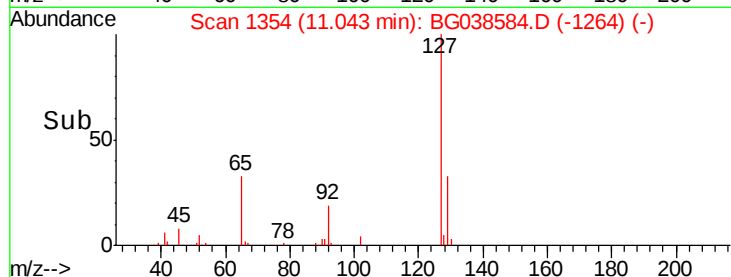
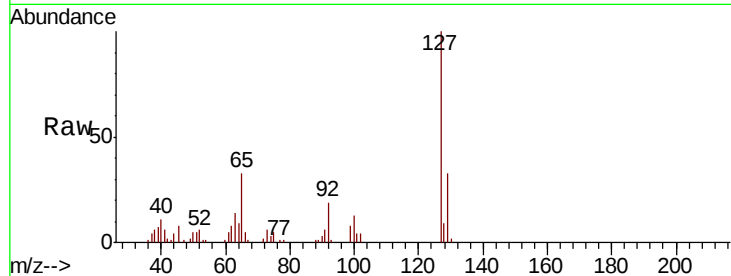




#33  
4-Chloroaniline  
Concen: 22.489 ng  
RT: 11.04 min Scan# 1354  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

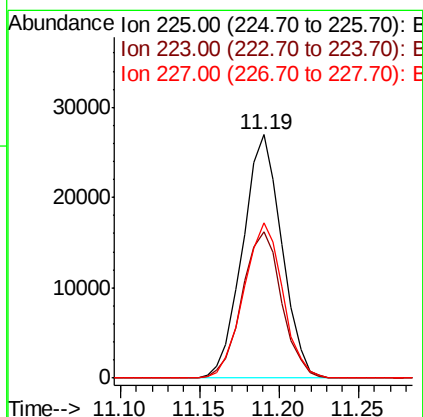
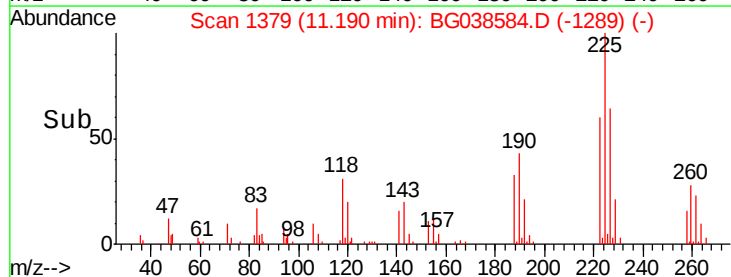
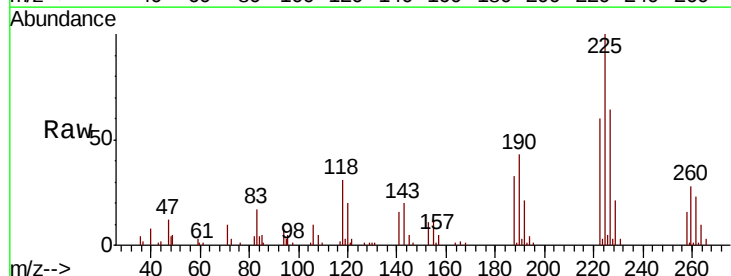
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

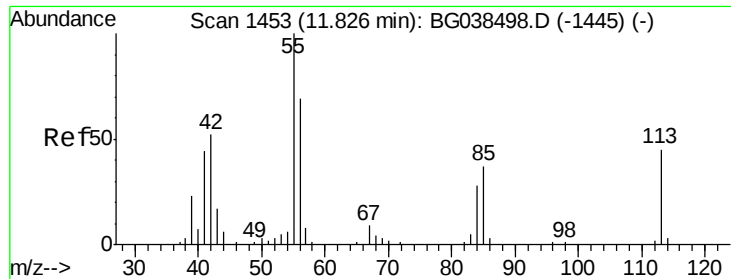
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 42998 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.2  | 25.8  | 38.8  |
| 65       | 32.8  | 27.8  | 41.6  |
| 92       | 18.9  | 17.0  | 25.6  |



#34  
Hexachlorobutadiene  
Concen: 39.135 ng  
RT: 11.19 min Scan# 1379  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 46198 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.2  | 45.0  | 67.6  |
| 227      | 66.3  | 50.6  | 75.8  |





#35

Caprolactam

Concen: 23.464 ng

RT: 11.82 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

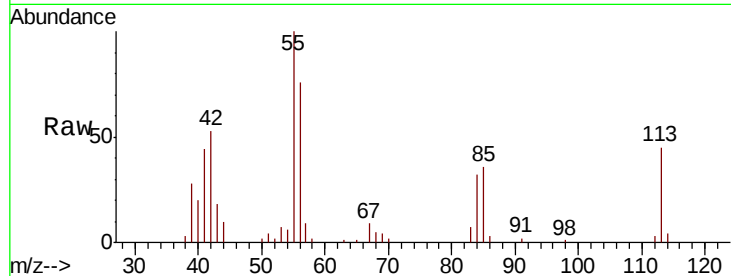
Tgt Ion:113 Resp: 14025

Ion Ratio Lower Upper

113 100

55 223.2 204.3 244.3

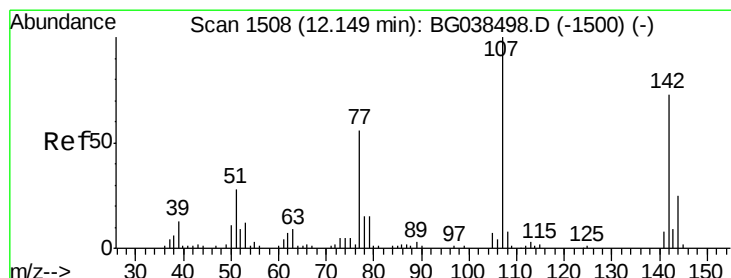
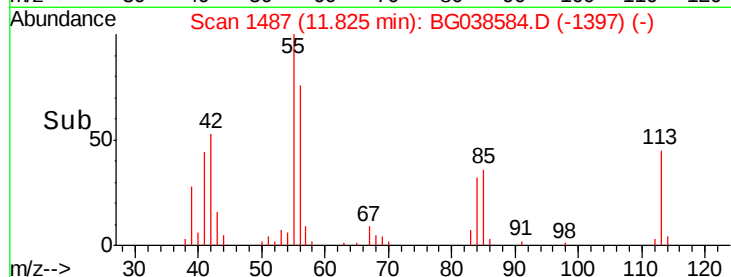
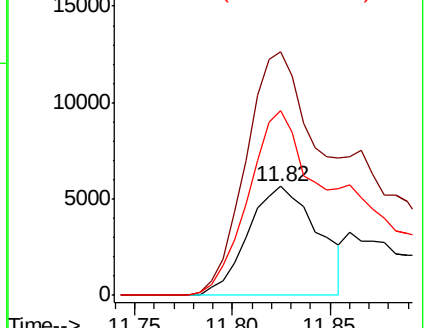
56 169.2 135.0 175.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGO

Ion 56.00 (55.70 to 56.70): BGO



#36

4-Chloro-3-methylphenol

Concen: 42.365 ng

RT: 12.15 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

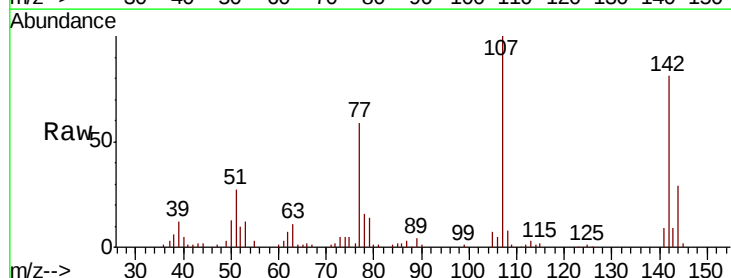
Tgt Ion:107 Resp: 69826

Ion Ratio Lower Upper

107 100

144 29.5 20.1 30.1

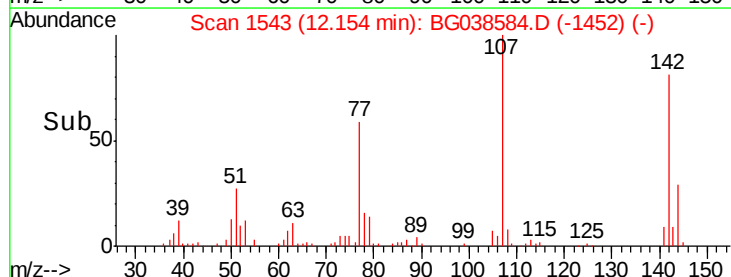
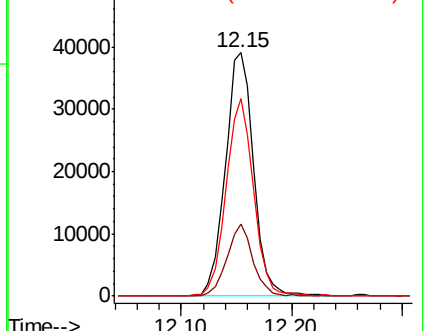
142 81.0 58.7 88.1

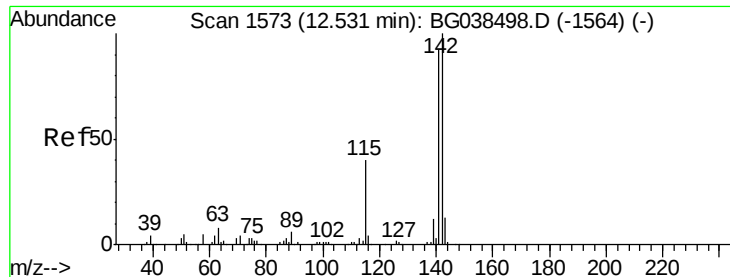


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

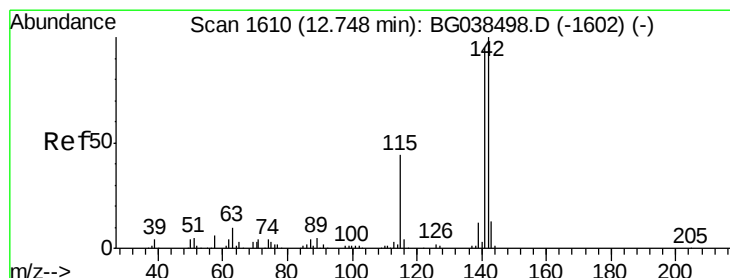
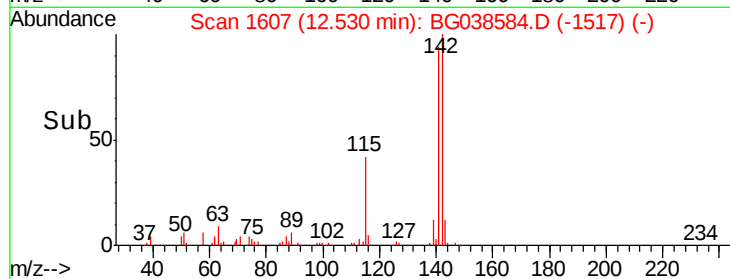
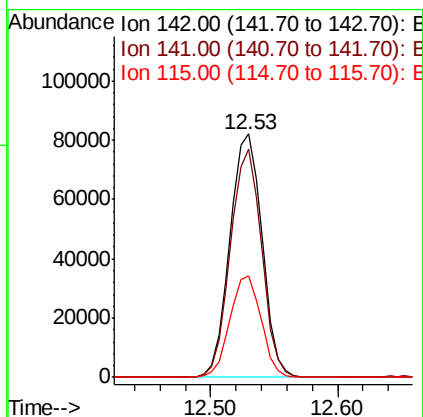
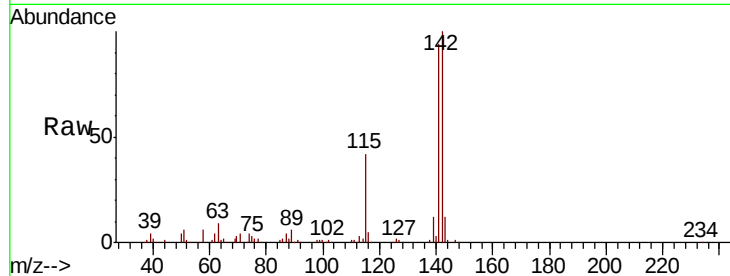




#37  
2-Methylnaphthalene  
Concen: 45.781 ng  
RT: 12.53 min Scan# 1607  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

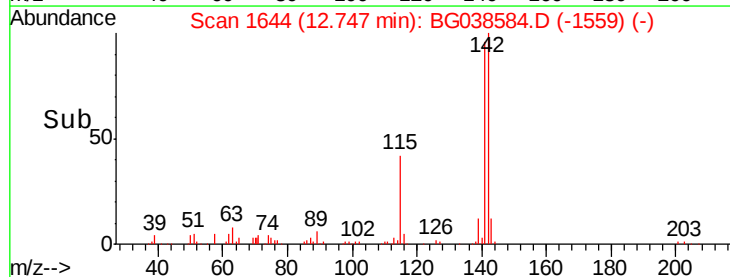
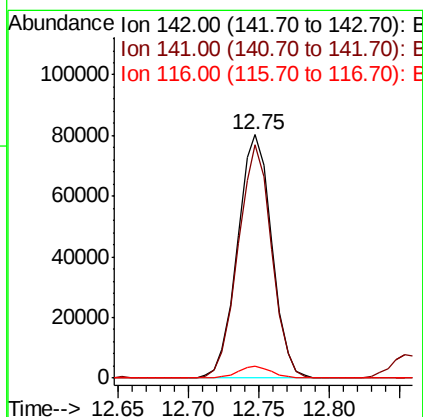
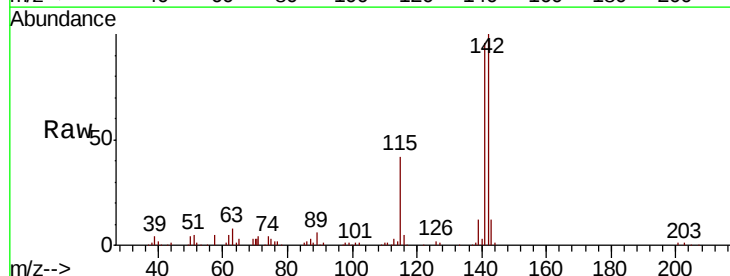
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

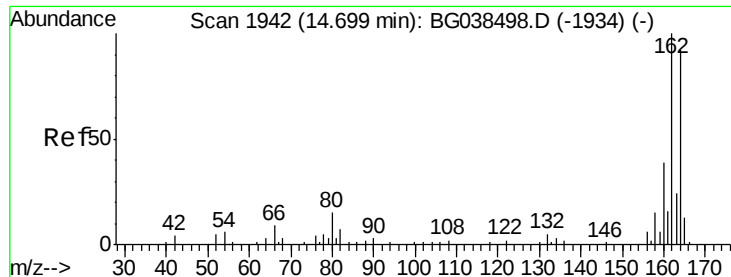
Tgt Ion:142 Resp: 143833  
Ion Ratio Lower Upper  
142 100  
141 93.6 73.5 110.3  
115 41.8 31.7 47.5



#38  
1-Methylnaphthalene  
Concen: 44.564 ng  
RT: 12.75 min Scan# 1644  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion:142 Resp: 135864  
Ion Ratio Lower Upper  
142 100  
141 95.8 75.8 113.8  
116 4.8 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

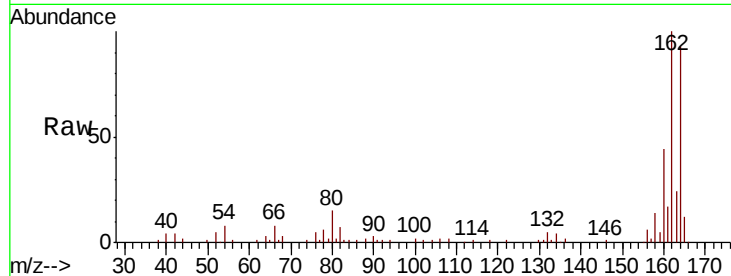
Tgt Ion:164 Resp: 57622

Ion Ratio Lower Upper

164 100

162 107.5 86.6 130.0

160 47.7 34.2 51.2

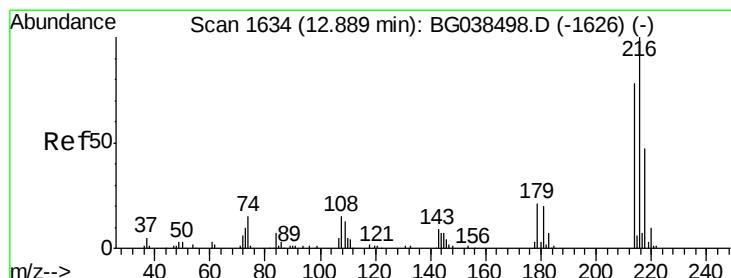
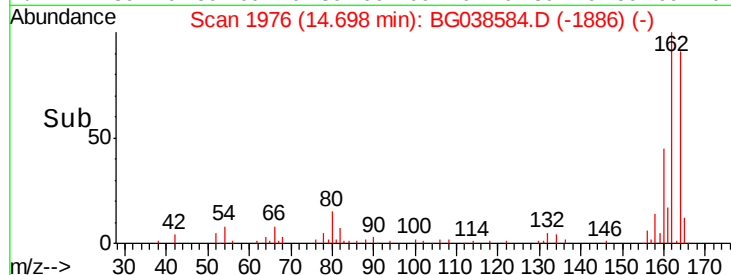
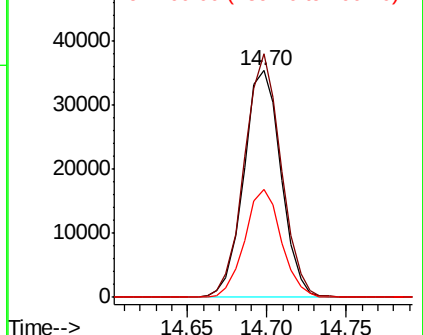


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.737 ng

RT: 12.89 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Tgt Ion:216 Resp: 83436

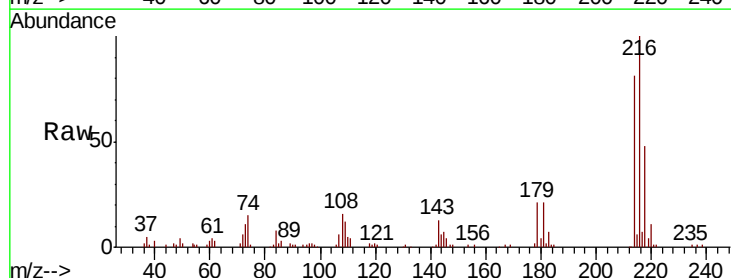
Ion Ratio Lower Upper

216 100

214 80.2 64.1 96.1

179 20.5 16.4 24.6

108 19.8 13.9 20.9



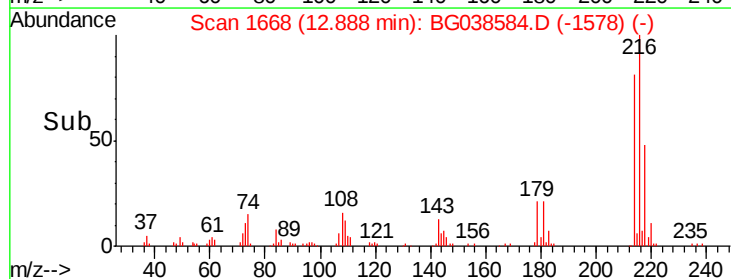
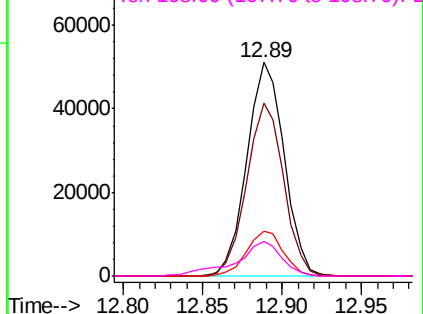
Abundance

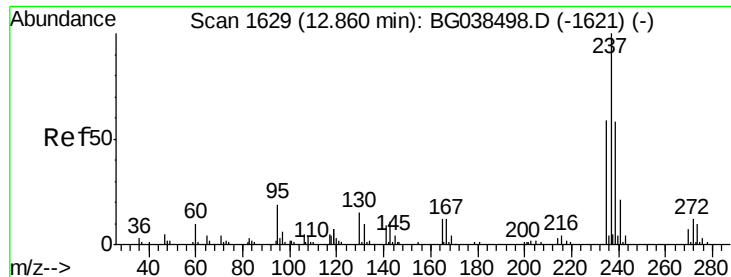
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 94.701 ng

RT: 12.86 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

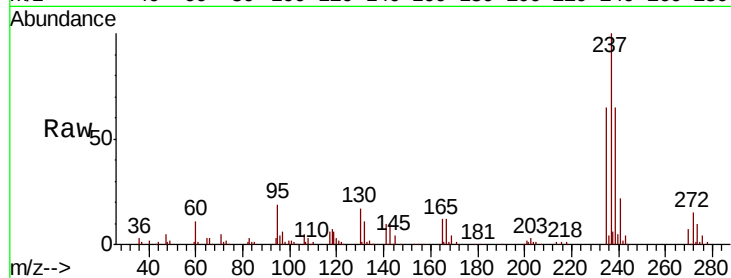
Tgt Ion: 237 Resp: 112063

Ion Ratio Lower Upper

237 100

235 65.5 38.8 78.8

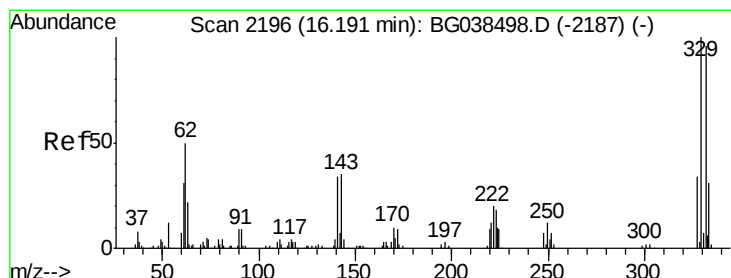
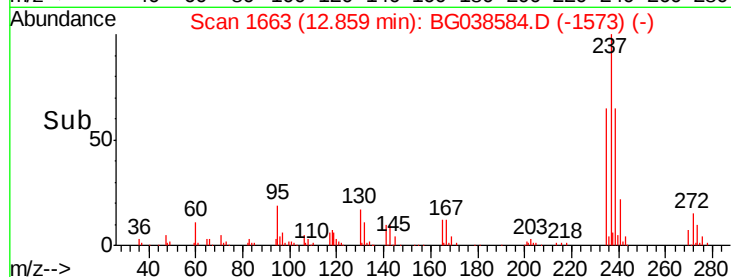
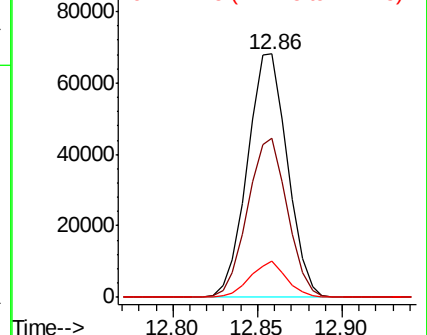
272 14.7 0.0 32.0



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



#42

2,4,6-Tribromophenol

Concen: 119.045 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

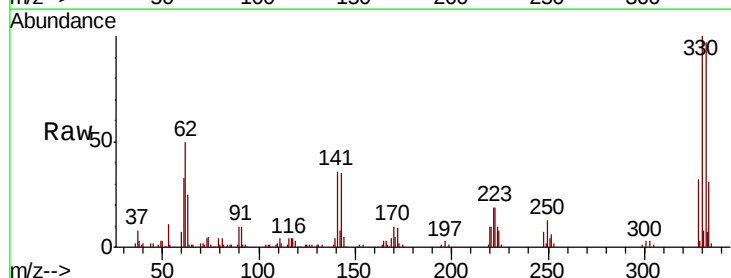
Tgt Ion: 330 Resp: 94538

Ion Ratio Lower Upper

330 100

332 95.3 76.9 115.3

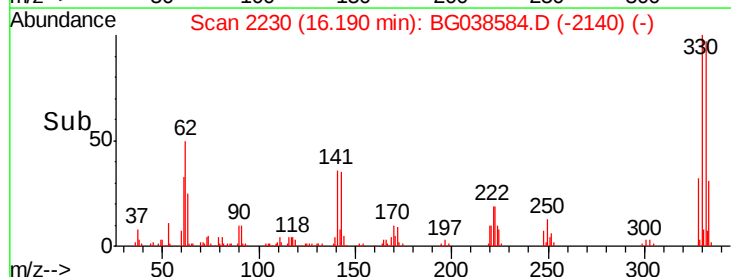
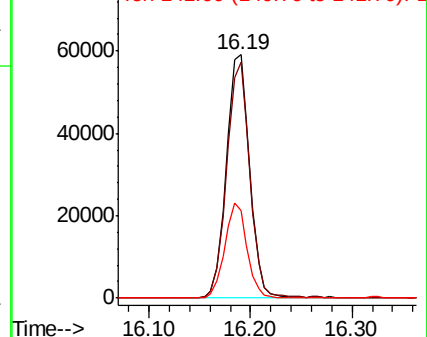
141 37.3 28.8 43.2

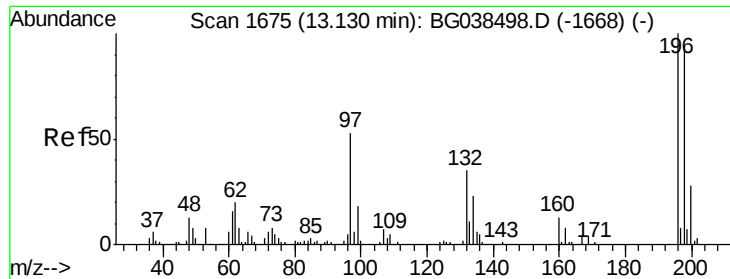


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

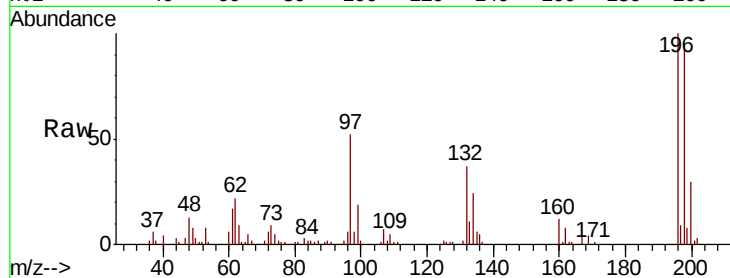




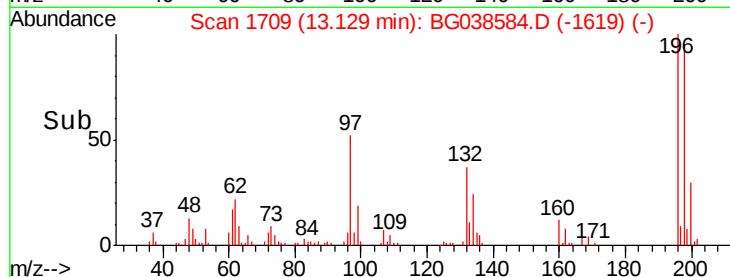
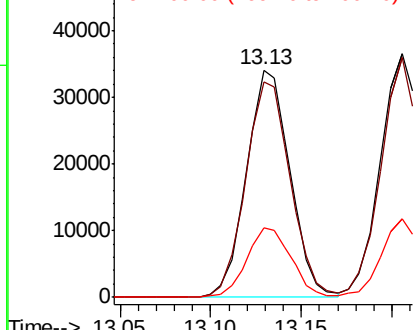
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.924 ng  
 RT: 13.13 min Scan# 1709  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB115532BS

Tgt Ion:196 Resp: 56847  
 Ion Ratio Lower Upper  
 196 100  
 198 95.1 75.0 112.4  
 200 30.5 22.4 33.6



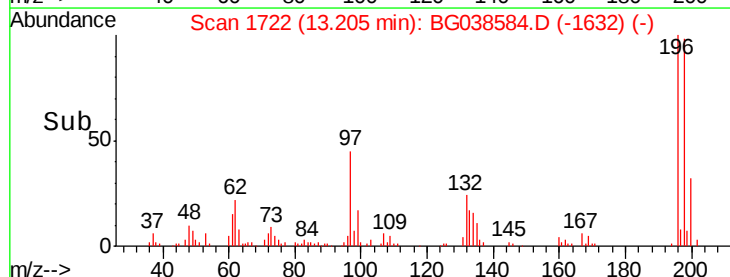
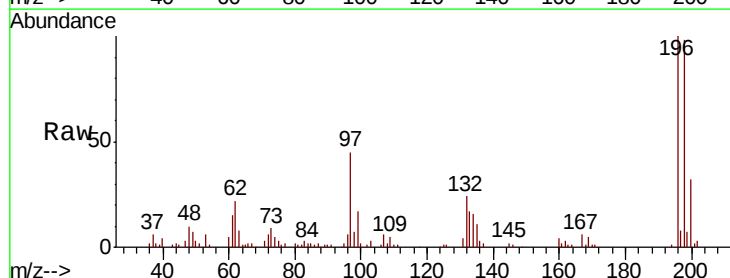
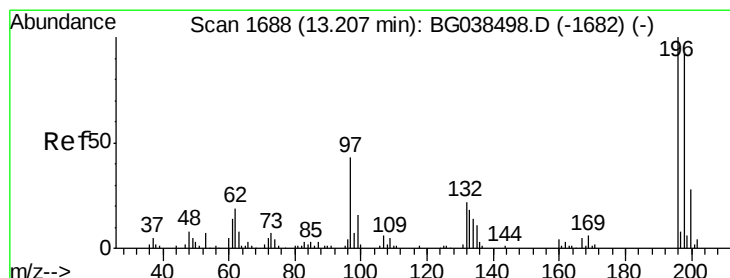
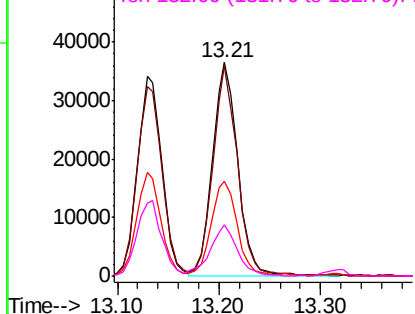
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

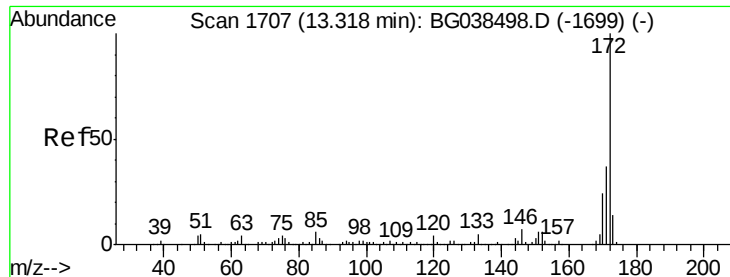


#44  
 2,4,5-Trichlorophenol  
 Concen: 45.289 ng  
 RT: 13.21 min Scan# 1722  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion:196 Resp: 63504  
 Ion Ratio Lower Upper  
 196 100  
 198 98.3 74.0 111.0  
 97 44.5 35.1 52.7  
 132 23.9 18.0 27.0

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

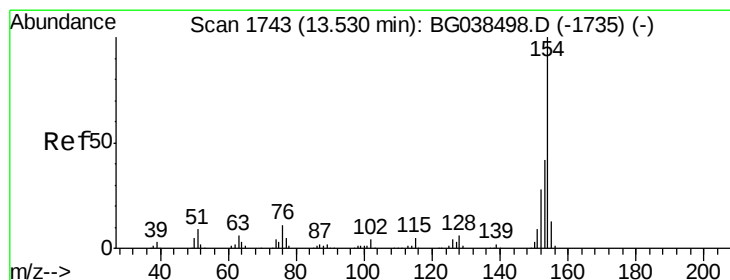
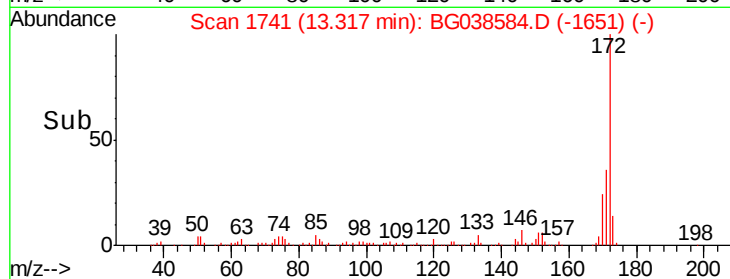
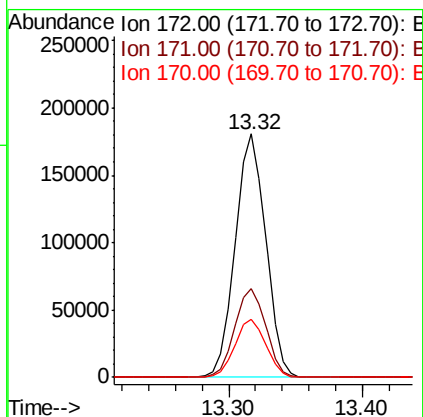
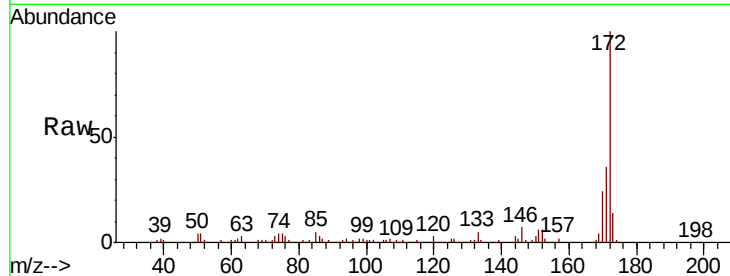




#45  
 2-Fluorobiphenyl  
 Concen: 68.125 ng  
 RT: 13.32 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

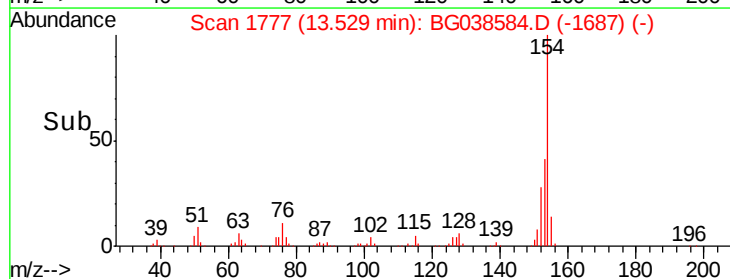
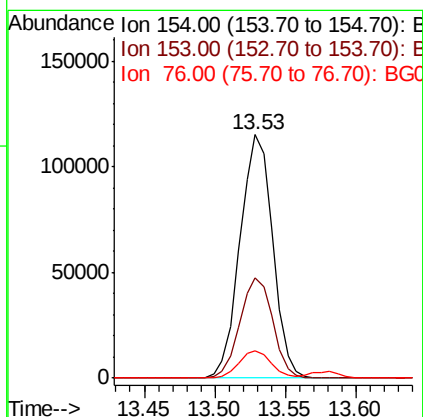
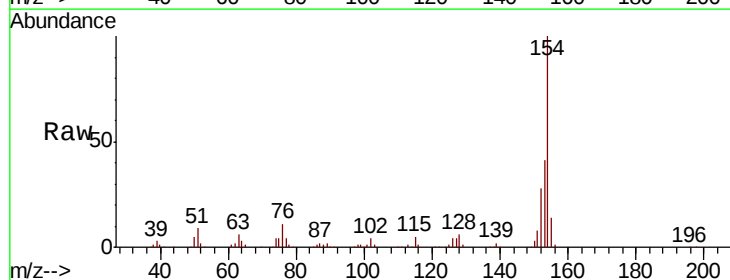
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

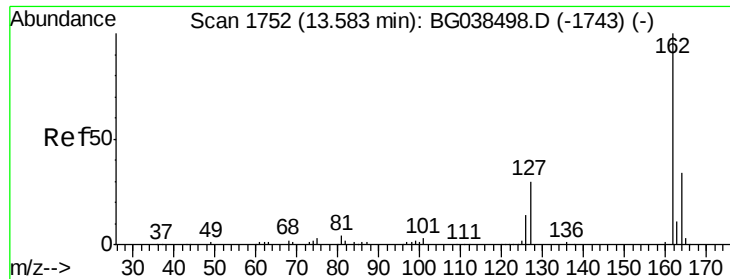
Tgt Ion:172 Resp: 286148  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.8 44.6  
 170 23.7 19.5 29.3



#46  
 1,1'-Biphenyl  
 Concen: 38.514 ng  
 RT: 13.53 min Scan# 1777  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion:154 Resp: 186046  
 Ion Ratio Lower Upper  
 154 100  
 153 41.4 22.1 62.1  
 76 11.1 0.0 31.2

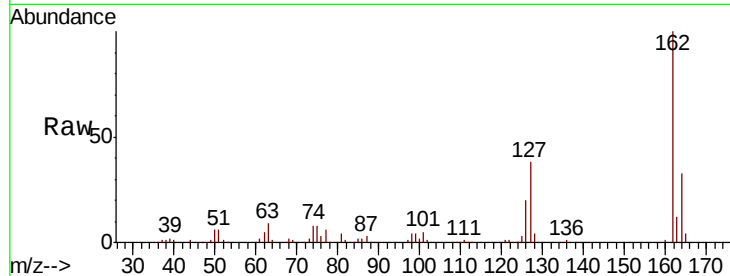




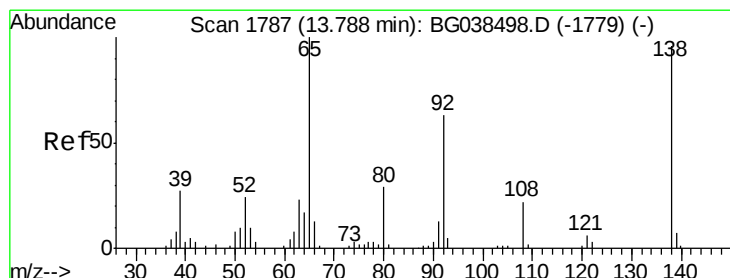
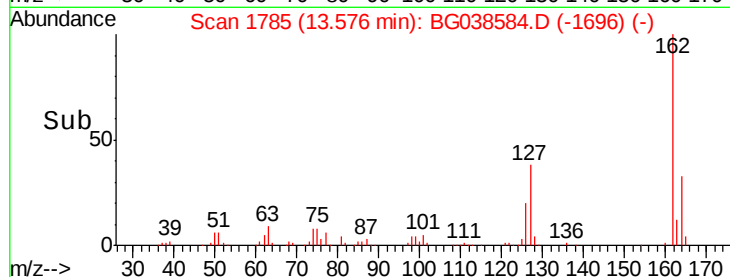
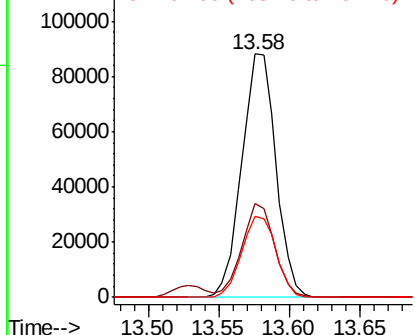
#47  
 2-Chloronaphthalene  
 Concen: 40.023 ng  
 RT: 13.58 min Scan# 1785  
 Delta R.T. -0.01 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.4  | 27.8  | 41.8  |
| 164     | 33.1  | 26.9  | 40.3  |

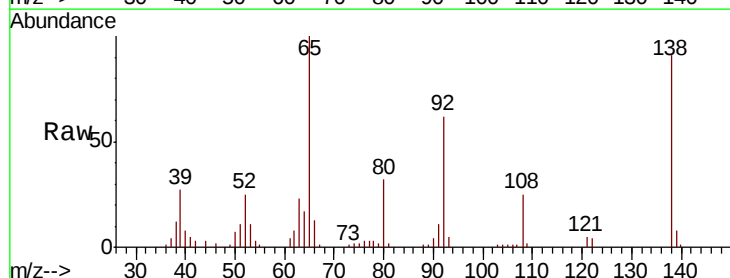


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

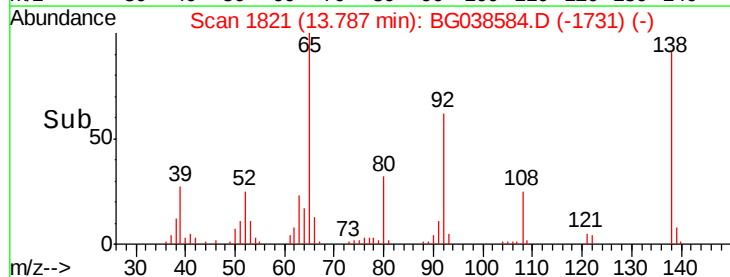
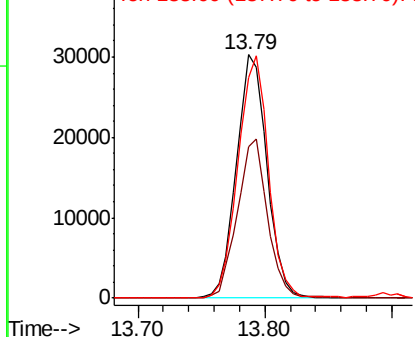


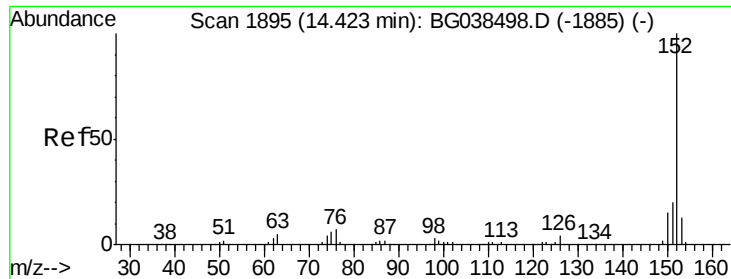
#48  
 2-Nitroaniline  
 Concen: 42.604 ng  
 RT: 13.79 min Scan# 1821  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 62.4  | 50.0  | 75.0  |
| 138     | 90.7  | 76.9  | 115.3 |



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





#49

Acenaphthylene

Concen: 44.036 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

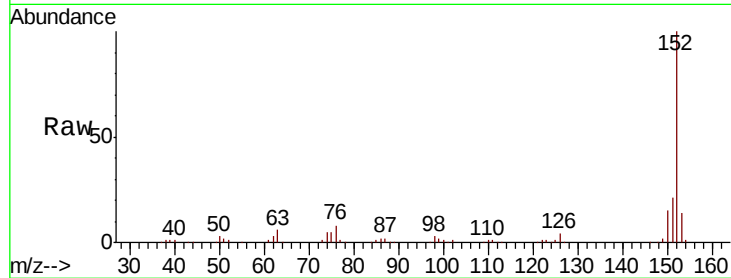
Tgt Ion:152 Resp: 245642

Ion Ratio Lower Upper

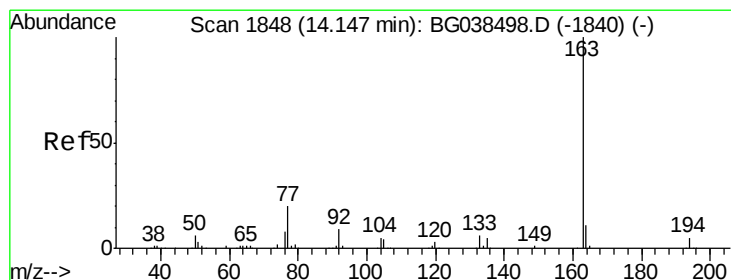
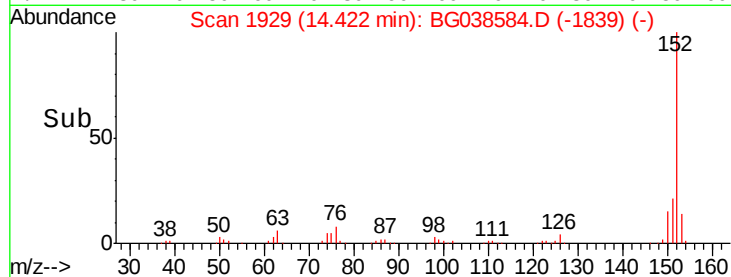
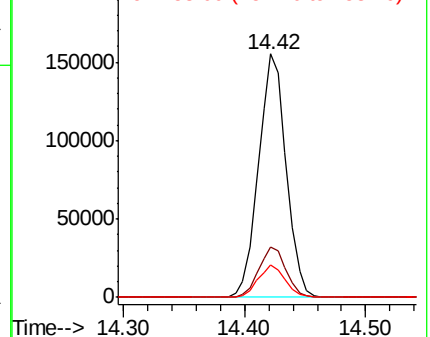
152 100

151 20.5 16.4 24.6

153 13.5 10.4 15.6



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



#50

Dimethylphthalate

Concen: 42.499 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

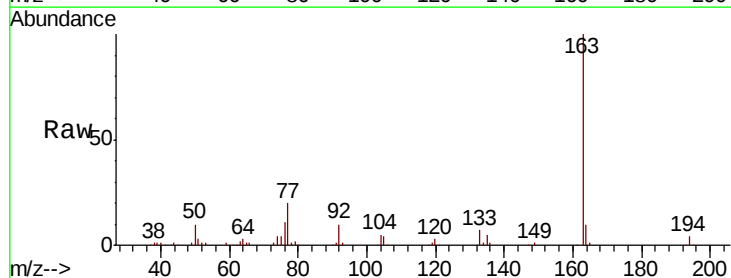
Tgt Ion:163 Resp: 199984

Ion Ratio Lower Upper

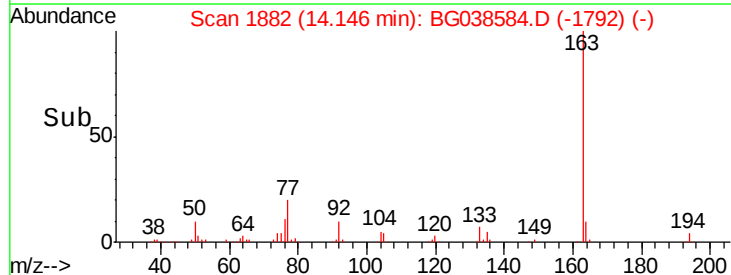
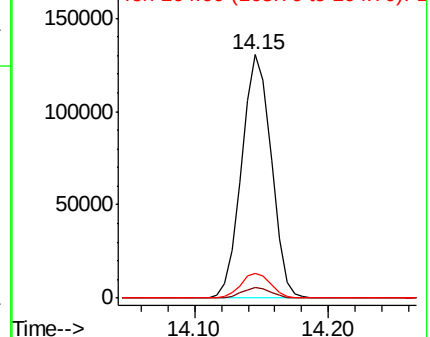
163 100

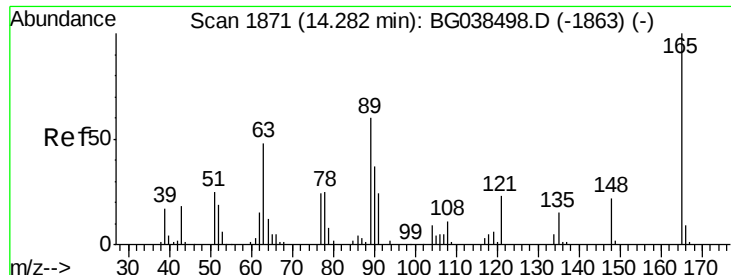
194 4.2 3.7 5.5

164 10.2 8.6 12.8



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

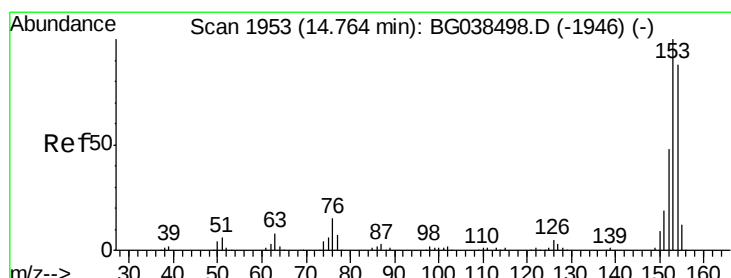
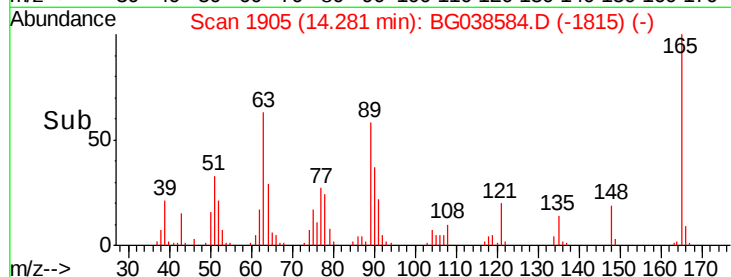
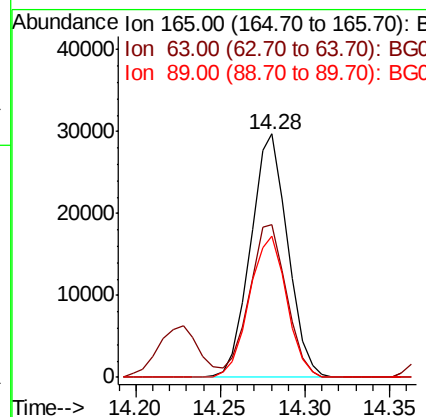
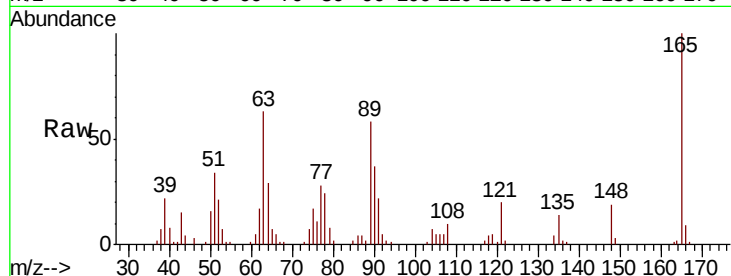




#51  
 2,6-Dinitrotoluene  
 Concen: 42.449 ng  
 RT: 14.28 min Scan# 1905  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

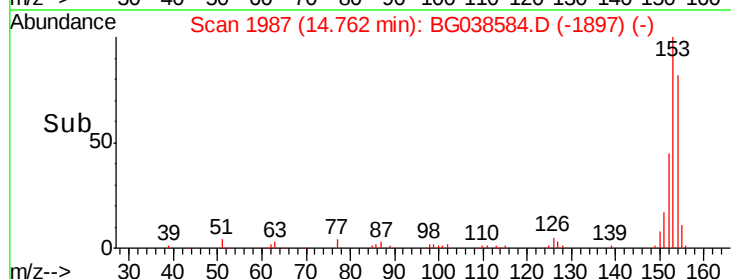
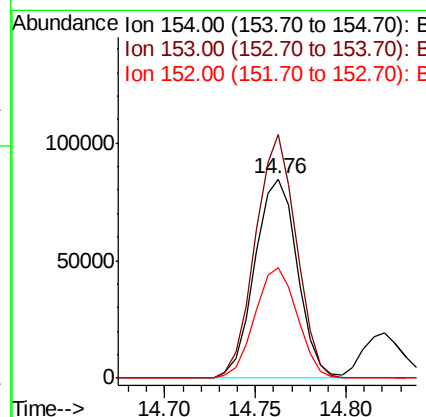
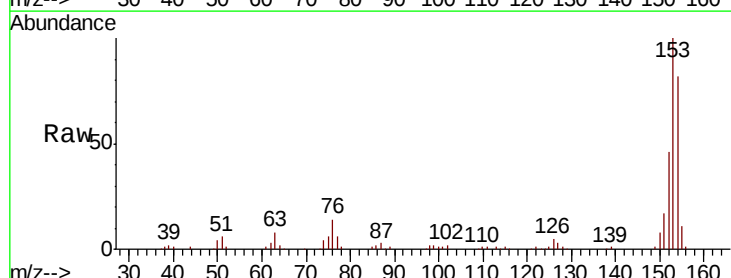
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

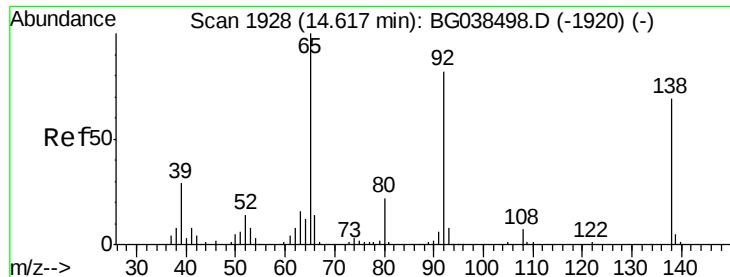
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 62.6  | 51.8  | 77.6  |
| 89      | 58.1  | 47.9  | 71.9  |



#52  
 Acenaphthene  
 Concen: 41.456 ng  
 RT: 14.76 min Scan# 1987  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 122.3 | 90.6  | 136.0 |
| 152     | 55.7  | 43.5  | 65.3  |





#53

3-Nitroaniline

Concen: 30.227 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

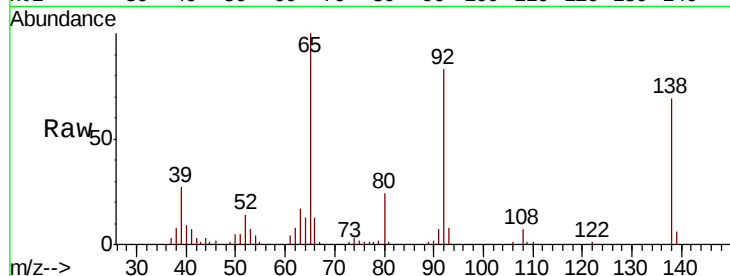
Tgt Ion:138 Resp: 32858

Ion Ratio Lower Upper

138 100

108 10.7 7.9 11.9

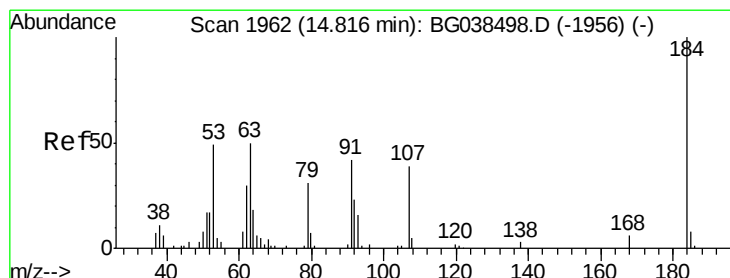
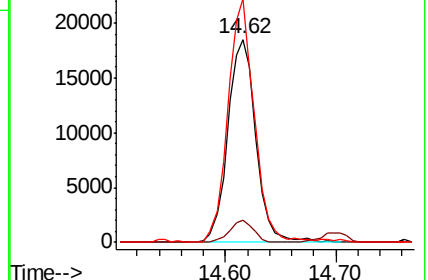
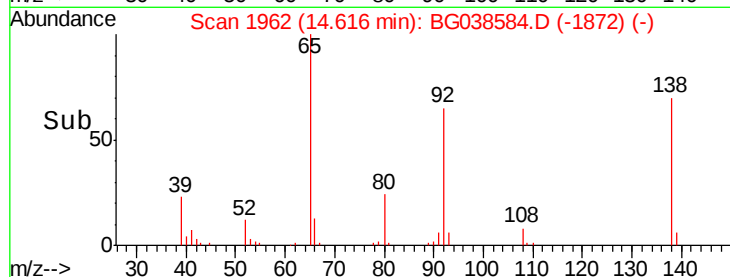
92 120.1 95.3 142.9



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): BGC



#54

2,4-Dinitrophenol

Concen: 80.480 ng

RT: 14.82 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

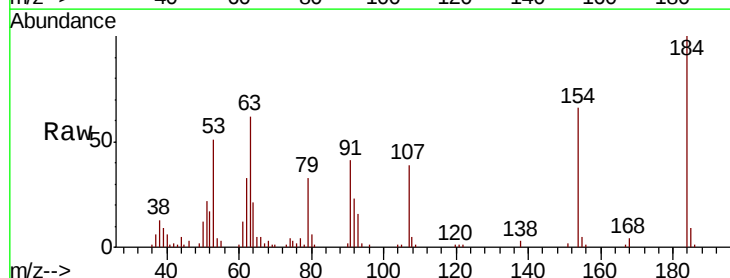
Tgt Ion:184 Resp: 51085

Ion Ratio Lower Upper

184 100

63 61.6 47.0 70.6

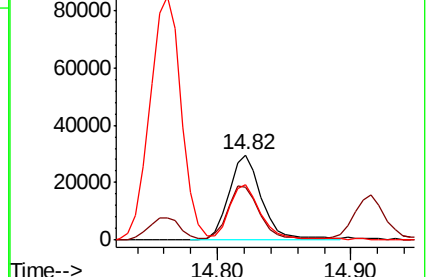
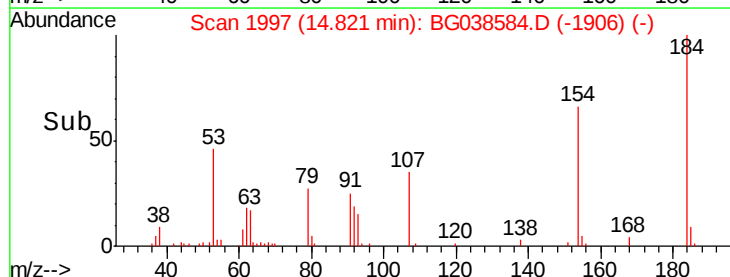
154 66.0 50.3 75.5

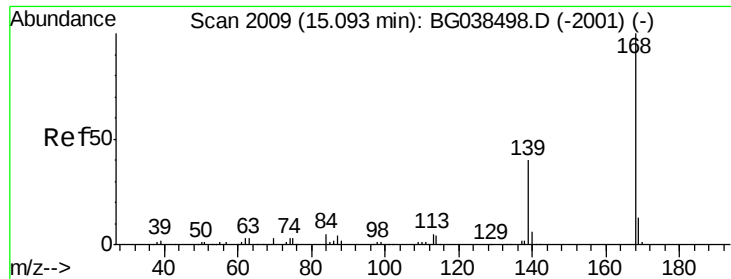


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

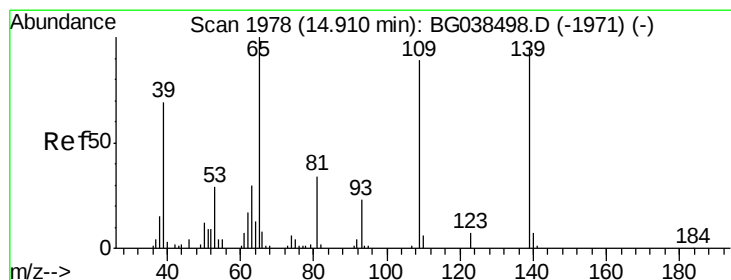
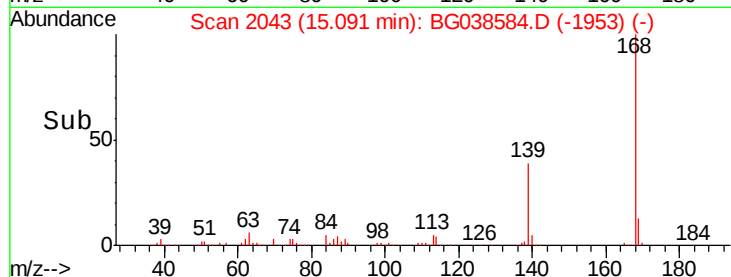
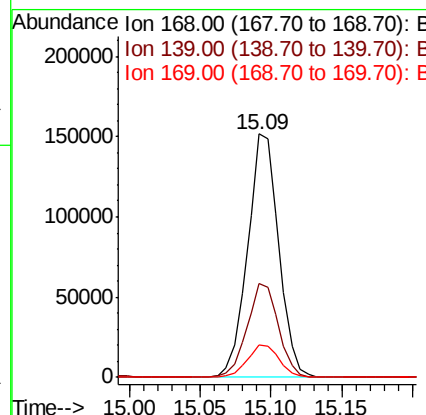
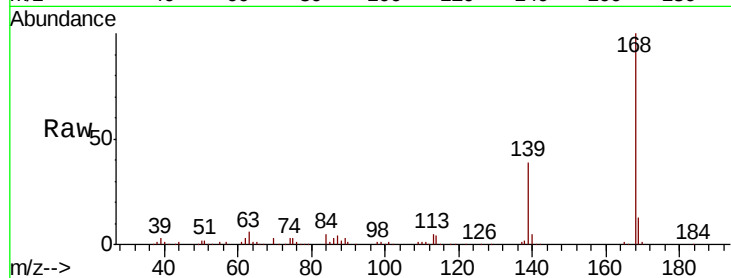




#55  
Dibenzenofuran  
Concen: 40.896 ng  
RT: 15.09 min Scan# 2043  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

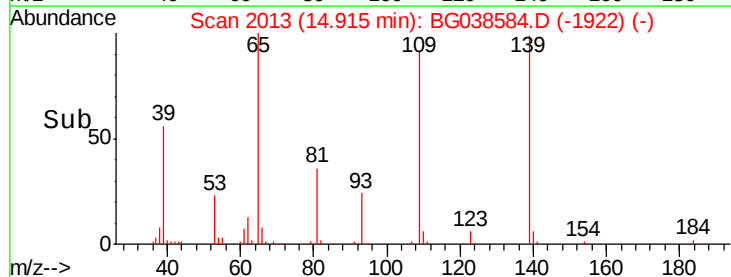
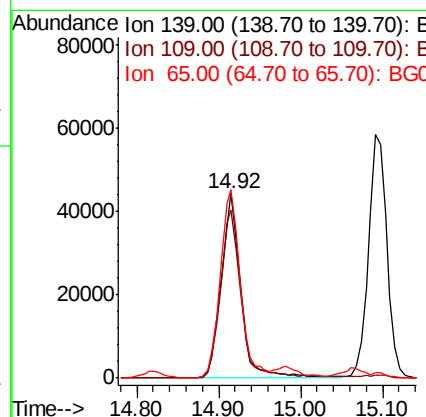
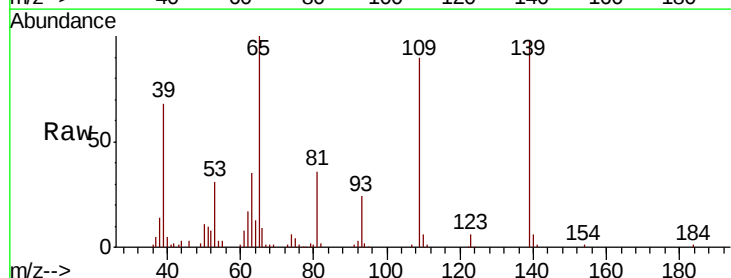
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

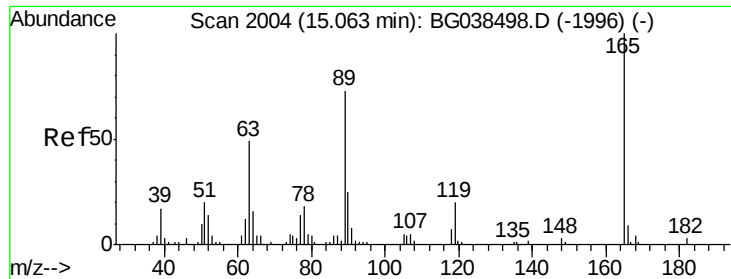
Tgt Ion:168 Resp: 233831  
Ion Ratio Lower Upper  
168 100  
139 38.5 32.2 48.2  
169 13.4 10.6 16.0



#56  
4-Nitrophenol  
Concen: 90.536 ng  
RT: 14.92 min Scan# 2013  
Delta R.T. 0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion:139 Resp: 74661  
Ion Ratio Lower Upper  
139 100  
109 91.4 73.6 113.6  
65 102.1 84.8 124.8

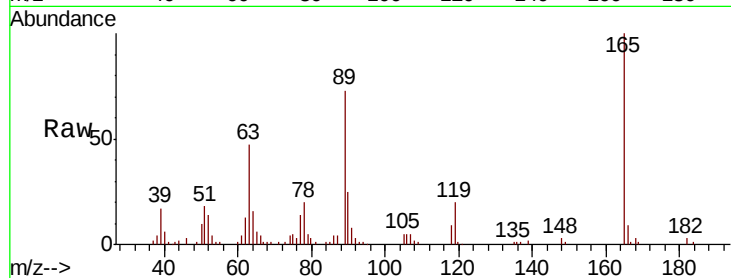




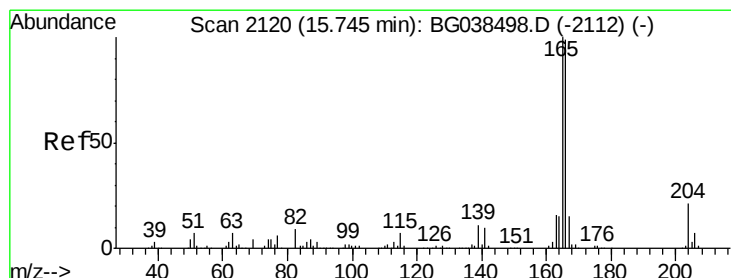
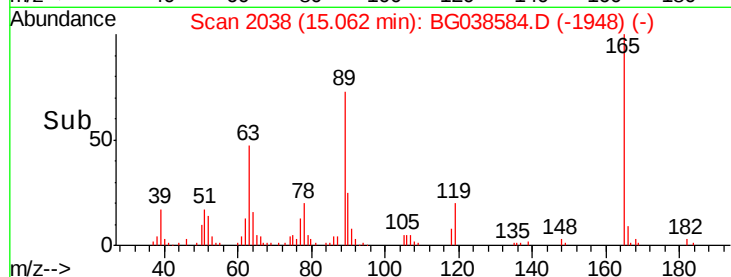
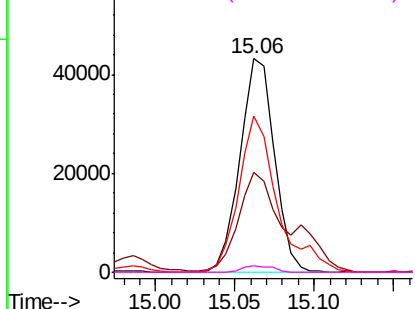
#57  
2,4-Dinitrotoluene  
Concen: 43.484 ng  
RT: 15.06 min Scan# 2038  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

Tgt Ion:165 Resp: 65311  
Ion Ratio Lower Upper  
165 100  
63 46.9 39.0 58.4  
89 73.0 58.0 87.0  
182 2.8 2.3 3.5

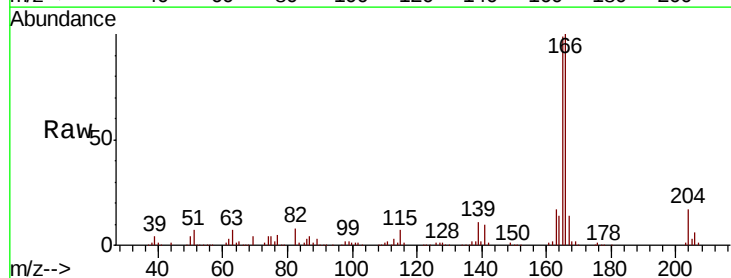


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 89.00 (88.70 to 89.70): BG  
Ion 182.00 (181.70 to 182.70): E

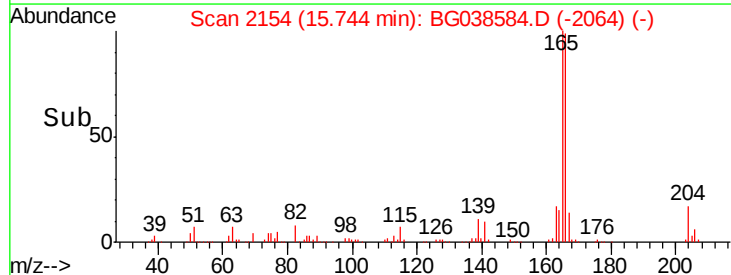
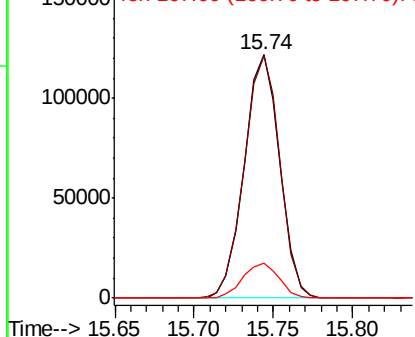


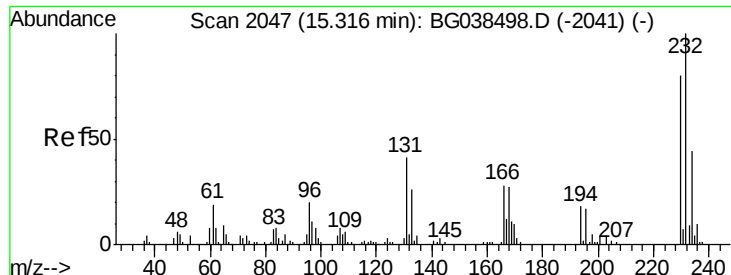
#58  
Fluorene  
Concen: 44.595 ng  
RT: 15.74 min Scan# 2154  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion:166 Resp: 188913  
Ion Ratio Lower Upper  
166 100  
165 99.5 80.6 120.8  
167 14.2 12.0 18.0



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

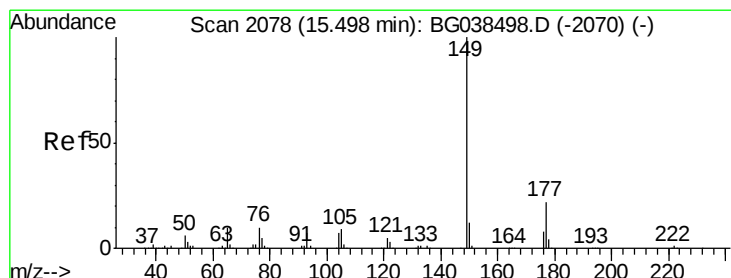
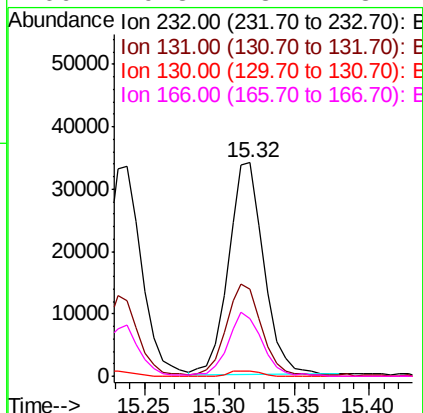
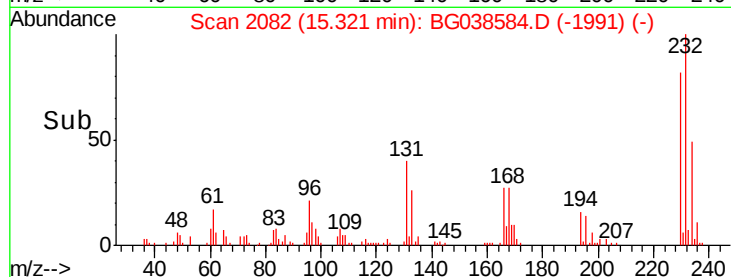
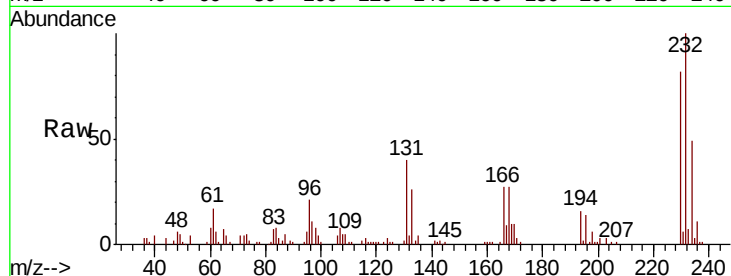




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.341 ng  
 RT: 15.32 min Scan# 2082  
 Delta R.T. 0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

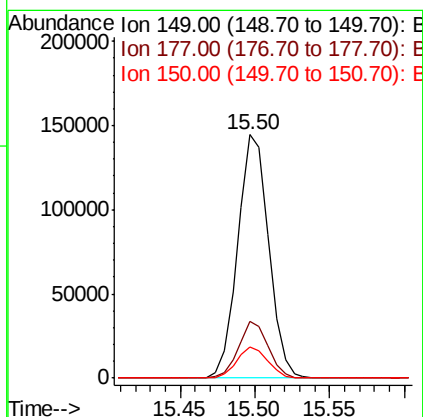
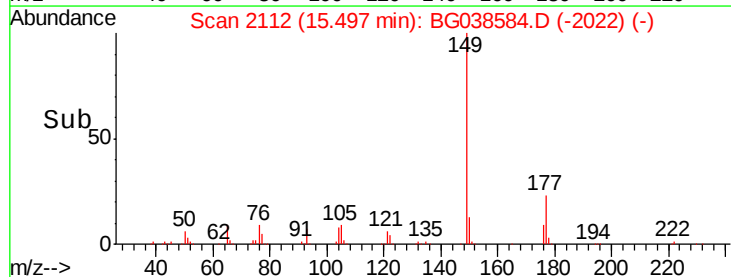
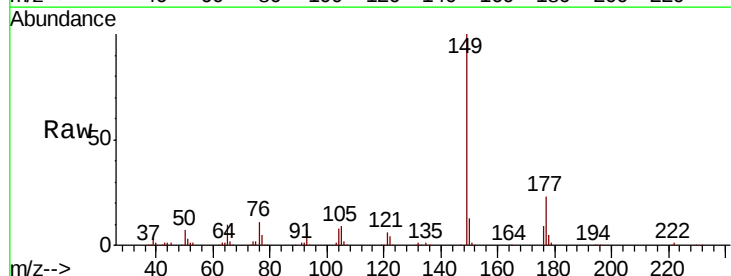
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

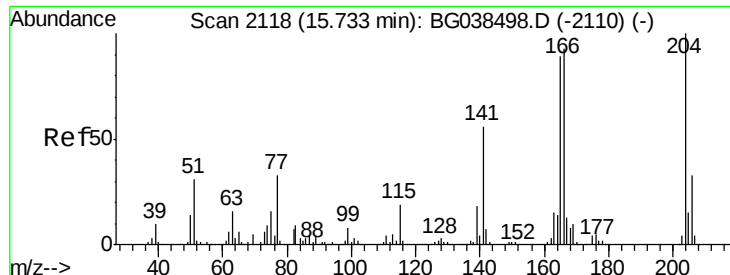
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 232   | Resp: | 55938 |
| Ion      | Ratio | Lower | Upper |
| 232      | 100   |       |       |
| 131      | 42.6  | 33.0  | 49.4  |
| 130      | 2.3   | 2.0   | 3.0   |
| 166      | 29.3  | 23.1  | 34.7  |



#60  
 Diethylphthalate  
 Concen: 40.202 ng  
 RT: 15.50 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 207672 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 23.2  | 17.7  | 26.5   |
| 150      | 13.0  | 9.9   | 14.9   |

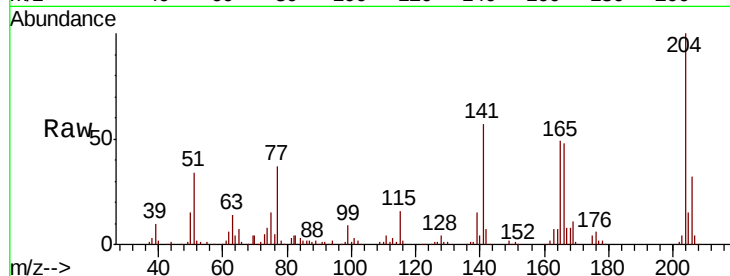




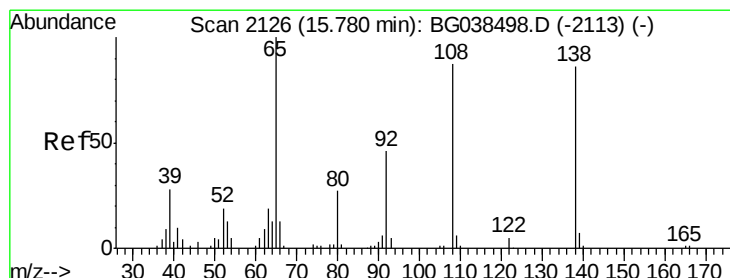
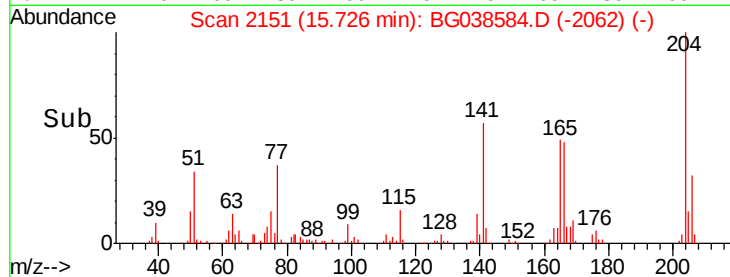
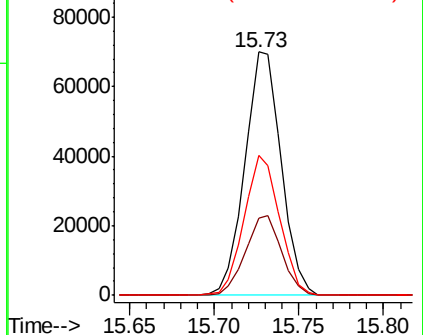
#61  
 4-Chlorophenyl-phenylether  
 Concen: 39.499 ng  
 RT: 15.73 min Scan# 2151  
 Delta R.T. -0.01 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 31.6  | 26.0  | 39.0  |
| 141     | 57.2  | 44.4  | 66.6  |

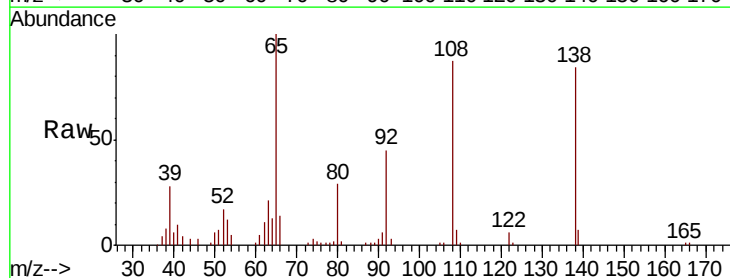


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

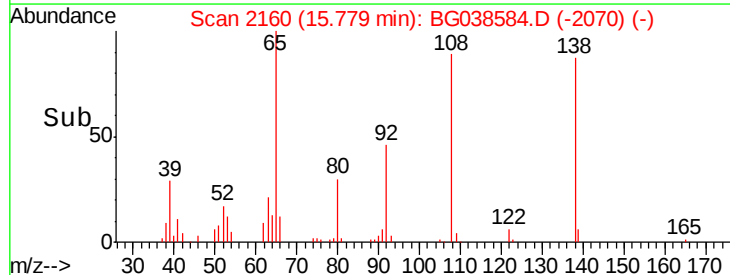
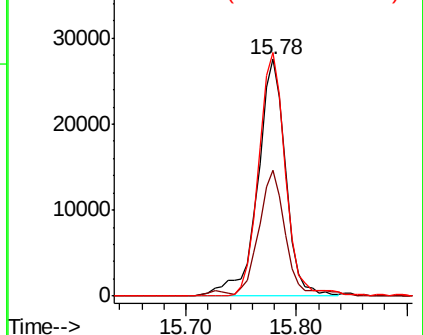


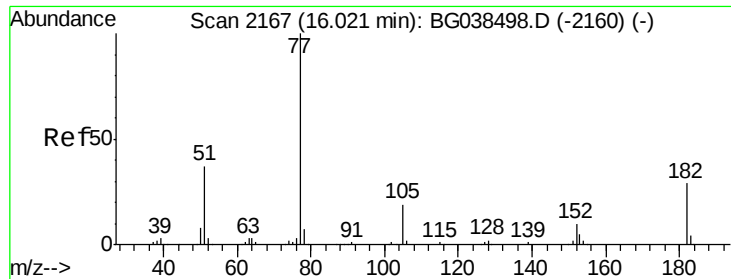
#62  
 4-Nitroaniline  
 Concen: 43.717 ng  
 RT: 15.78 min Scan# 2160  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 53.3  | 33.3  | 73.3  |
| 108     | 102.7 | 81.4  | 121.4 |



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

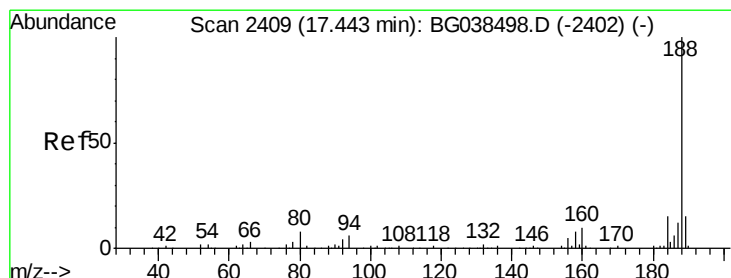
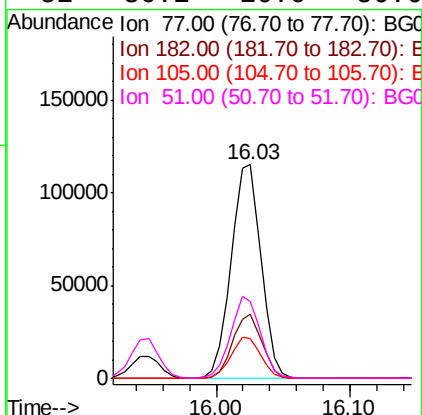
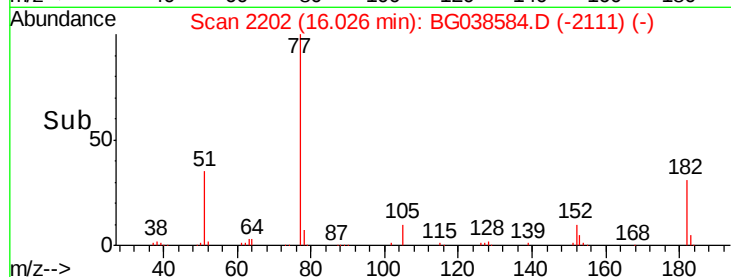
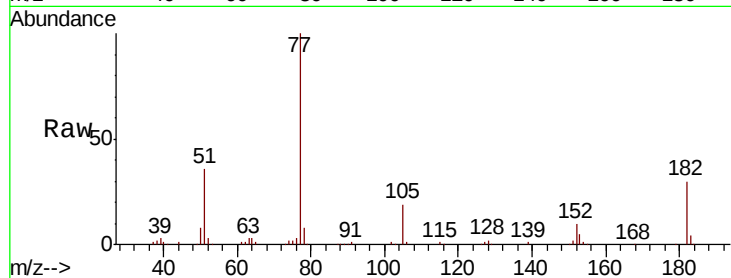




#63  
Azobenzene  
Concen: 41.645 ng  
RT: 16.03 min Scan# 2202  
Delta R.T. 0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

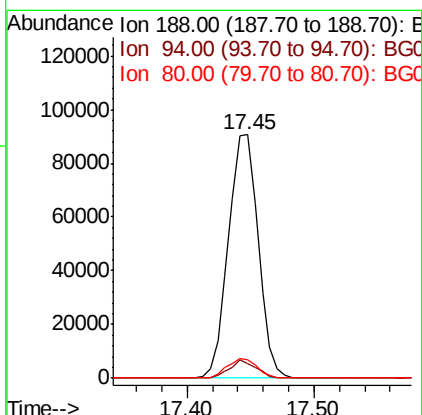
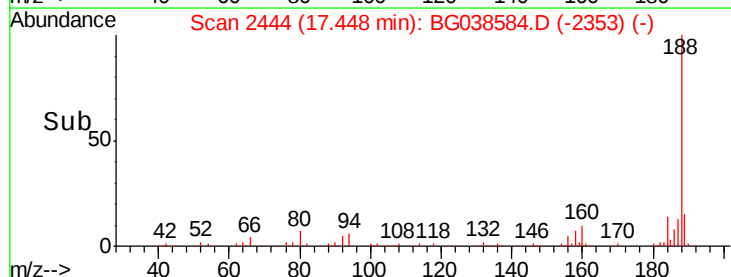
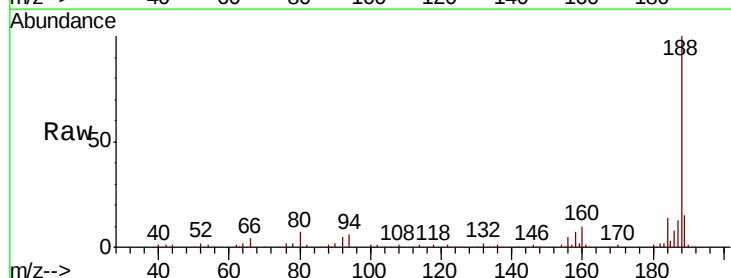
Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

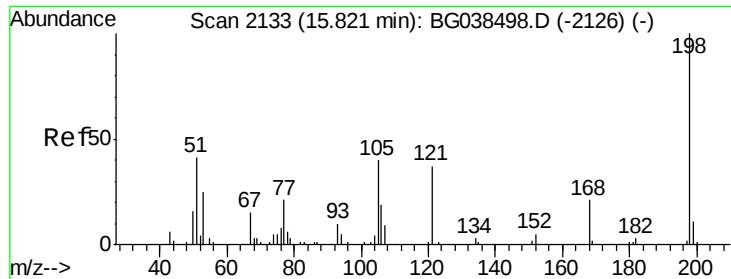
Tgt Ion: 77 Resp: 179715  
Ion Ratio Lower Upper  
77 100  
182 29.7 8.7 48.7  
105 18.5 0.0 38.7  
51 36.1 16.6 56.6



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.45 min Scan# 2444  
Delta R.T. 0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion: 188 Resp: 147243  
Ion Ratio Lower Upper  
188 100  
94 6.1 5.1 7.7  
80 7.5 6.1 9.1

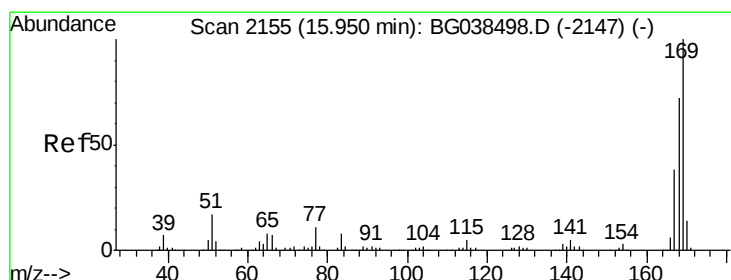
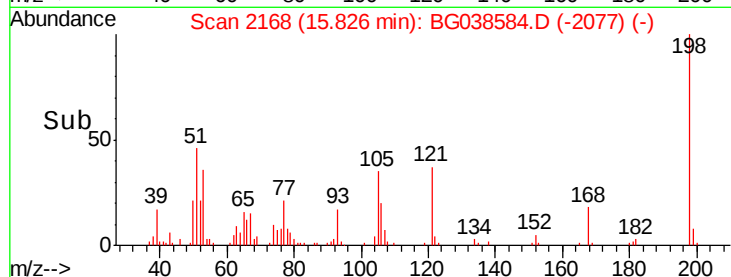
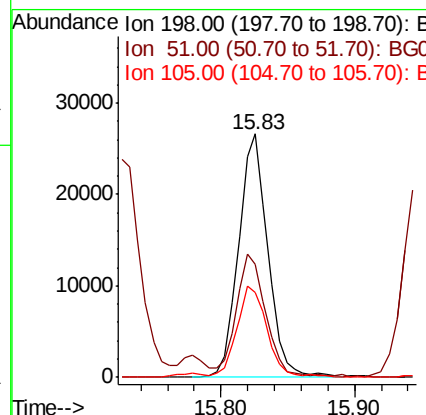
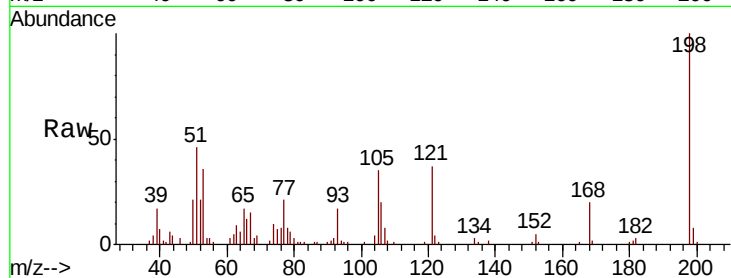




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 38.500 ng  
 RT: 15.83 min Scan# 2168  
 Delta R.T. 0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

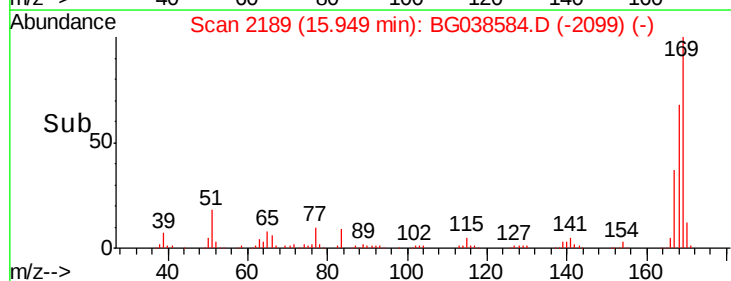
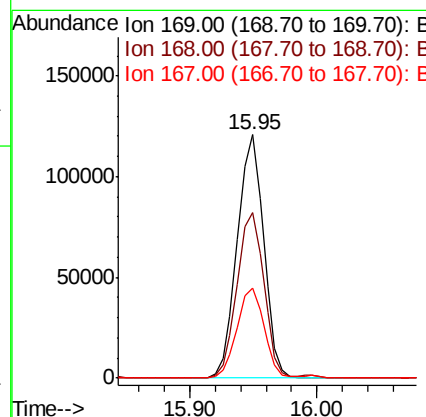
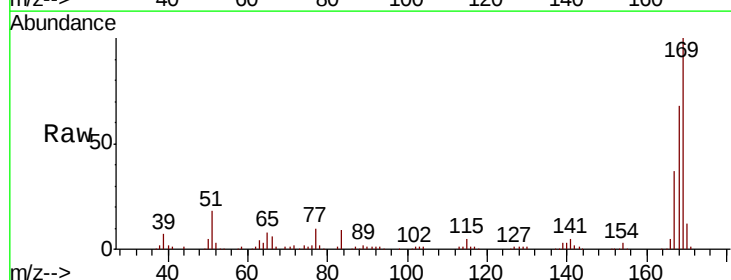
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

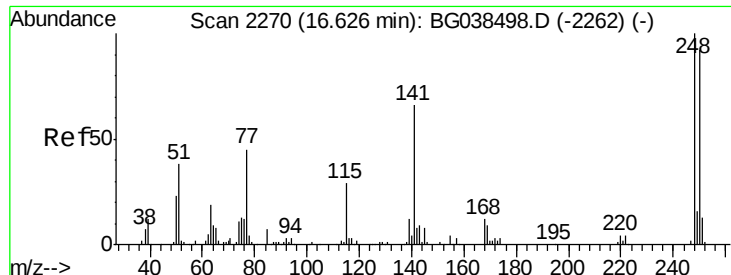
Tgt Ion:198 Resp: 40439  
 Ion Ratio Lower Upper  
 198 100  
 51 46.5 28.6 68.6  
 105 34.9 20.4 60.4



#66  
 n-Nitrosodiphenylamine  
 Concen: 40.259 ng  
 RT: 15.95 min Scan# 2189  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion:169 Resp: 174172  
 Ion Ratio Lower Upper  
 169 100  
 168 67.8 57.5 86.3  
 167 36.8 30.2 45.2

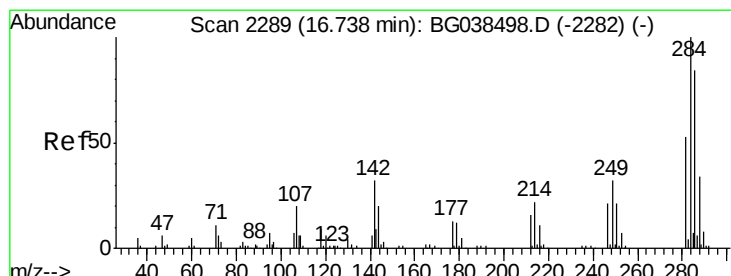
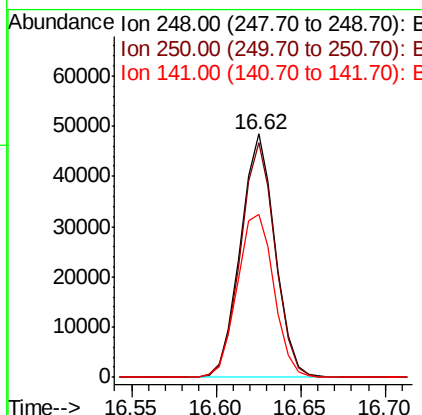
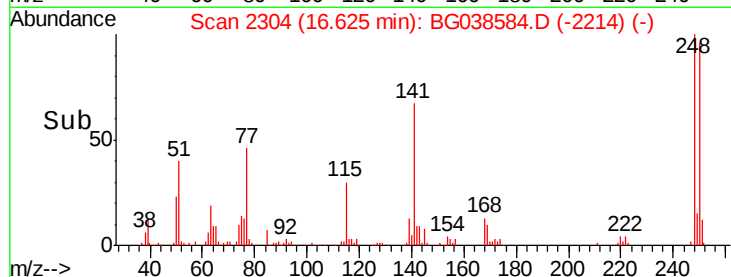
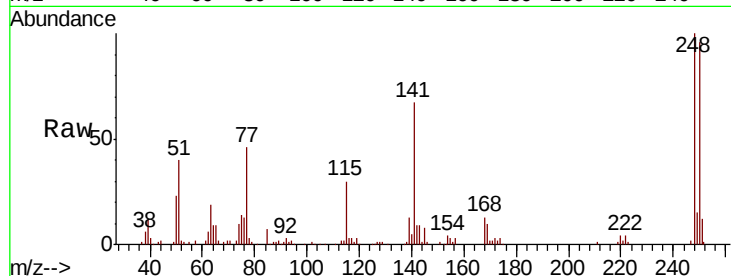




#67  
 4-Bromophenyl-phenylether  
 Concen: 38.294 ng  
 RT: 16.62 min Scan# 2304  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

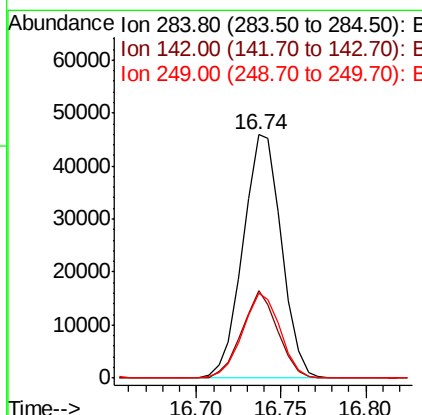
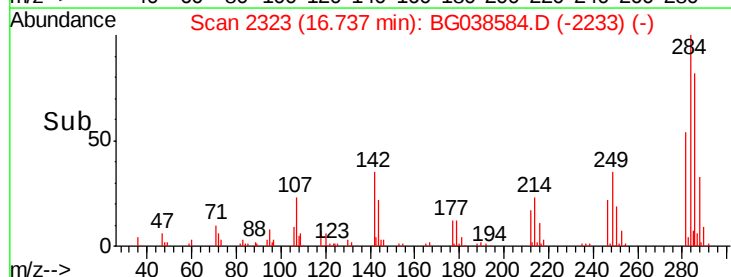
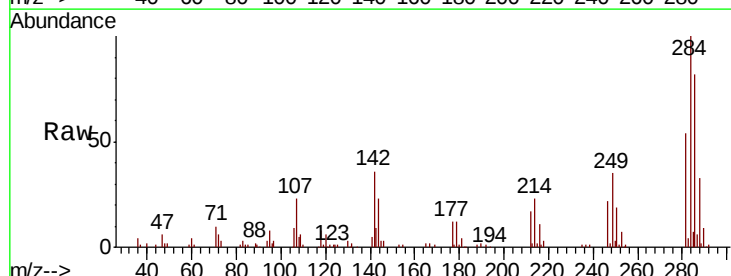
Instrument :  
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 ClientSampleId :  
 PB115532BS

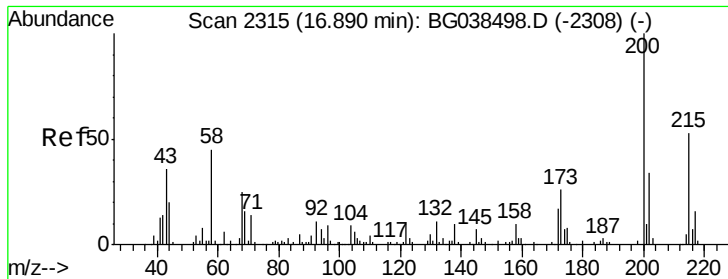
Tgt Ion:248 Resp: 68863  
 Ion Ratio Lower Upper  
 248 100  
 250 96.5 73.4 110.2  
 141 67.2 52.9 79.3



#68  
 Hexachlorobenzene  
 Concen: 38.879 ng  
 RT: 16.74 min Scan# 2323  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Tgt Ion:284 Resp: 72474  
 Ion Ratio Lower Upper  
 284 100  
 142 35.9 25.8 38.6  
 249 34.9 27.0 40.4





#69

Atrazine

Concen: 45.319 ng

RT: 16.89 min Scan# 2349

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

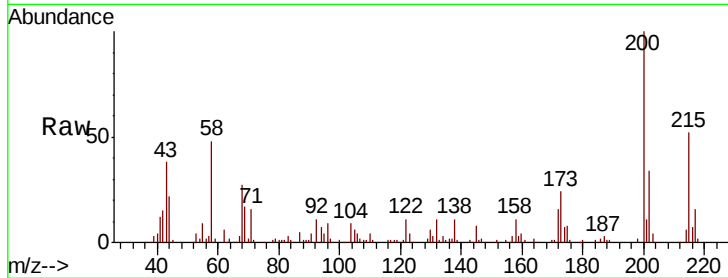
Tgt Ion:200 Resp: 72762

Ion Ratio Lower Upper

200 100

173 24.2 5.9 45.9

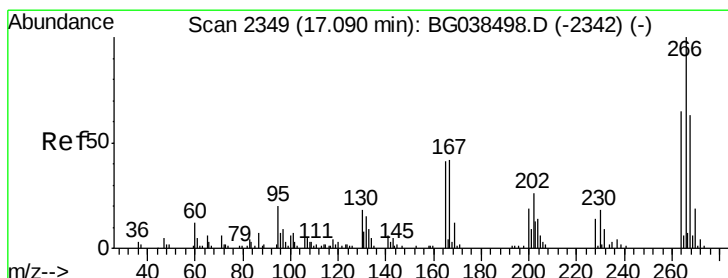
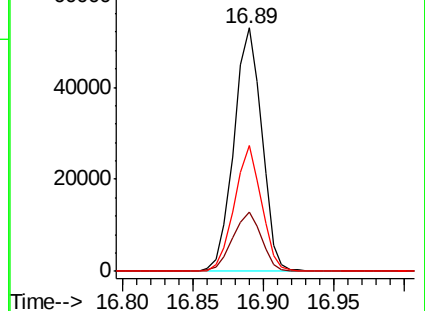
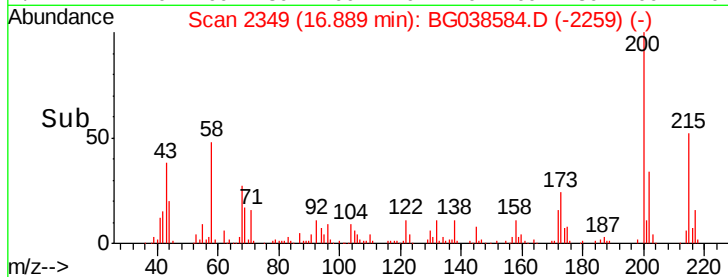
215 51.9 33.1 73.1



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



#70

Pentachlorophenol

Concen: 75.559 ng

RT: 17.09 min Scan# 2383

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

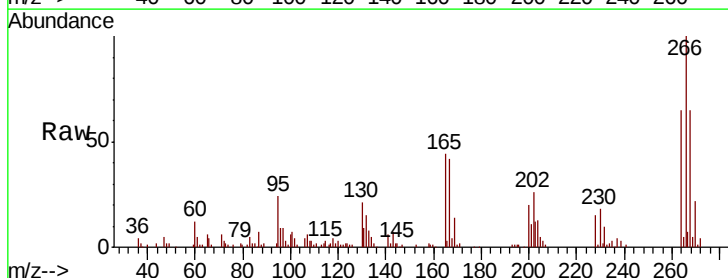
Tgt Ion:266 Resp: 83311

Ion Ratio Lower Upper

266 100

268 69.5 55.0 82.6

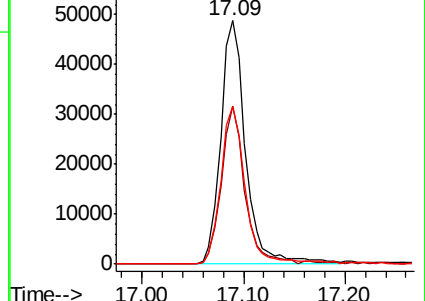
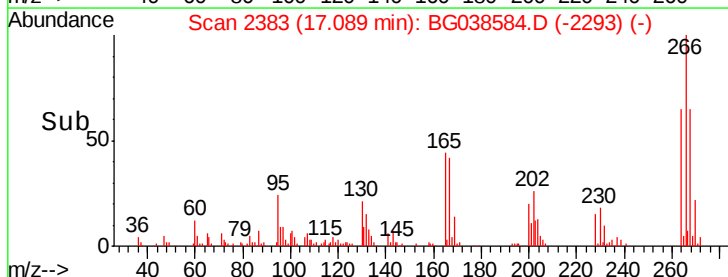
264 69.6 56.7 85.1

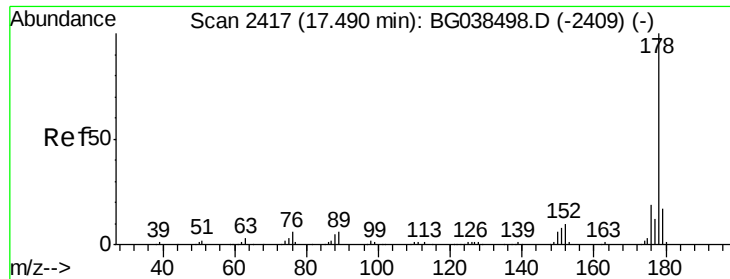


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

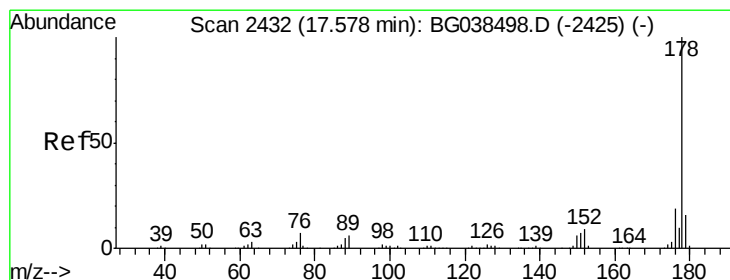
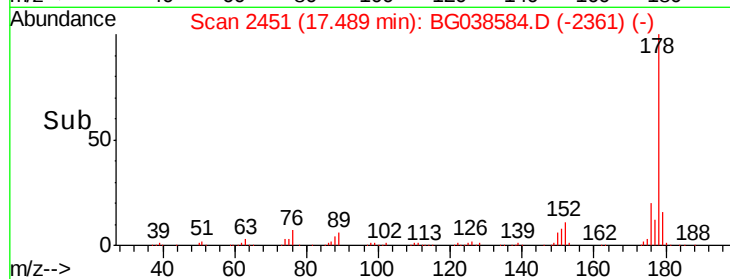
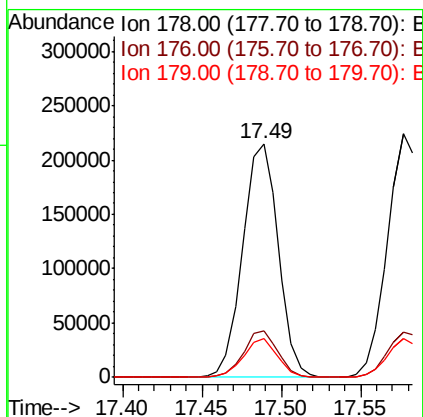
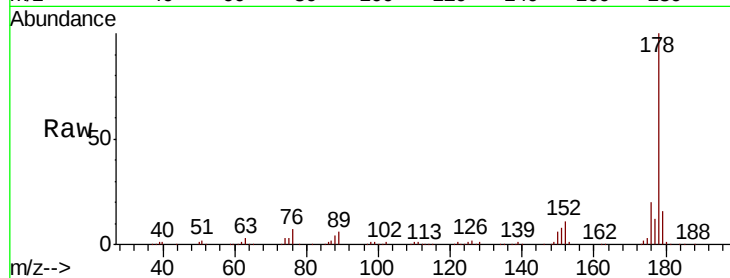




#71  
 Phenanthrene  
 Concen: 43.855 ng  
 RT: 17.49 min Scan# 2451  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

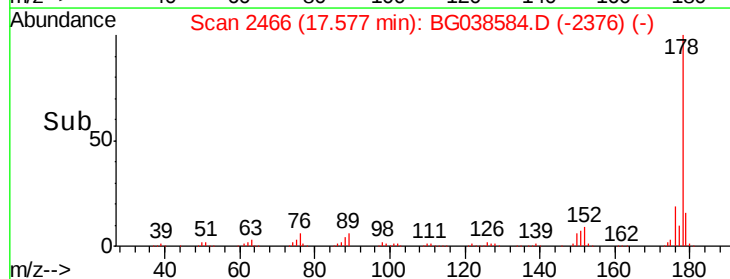
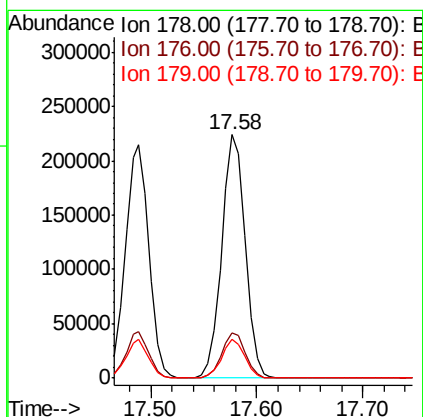
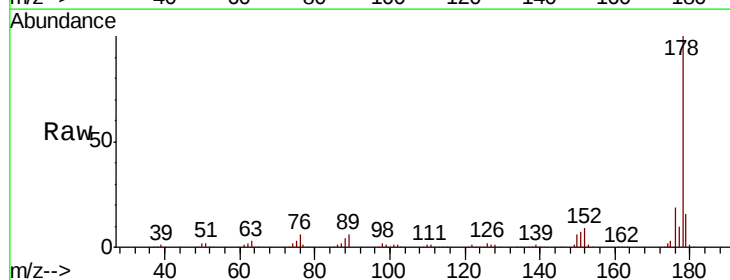
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

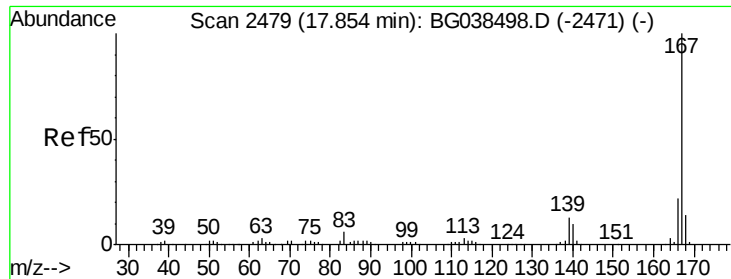
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.2  | 15.1  | 22.7  |
| 179     | 16.4  | 13.2  | 19.8  |



#72  
 Anthracene  
 Concen: 45.808 ng  
 RT: 17.58 min Scan# 2466  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 15.1  | 22.7  |
| 179     | 15.9  | 12.9  | 19.3  |

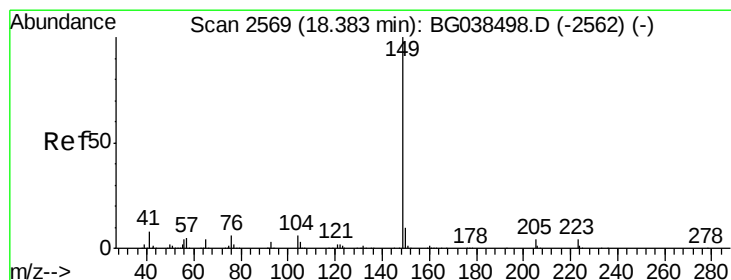
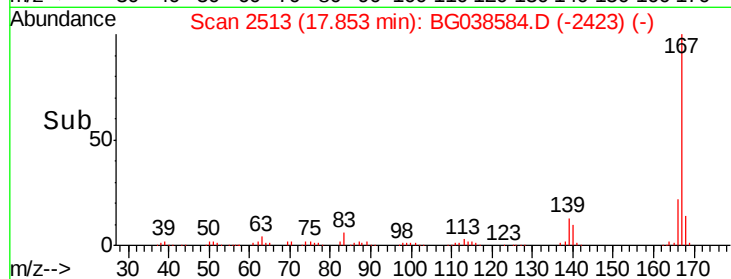
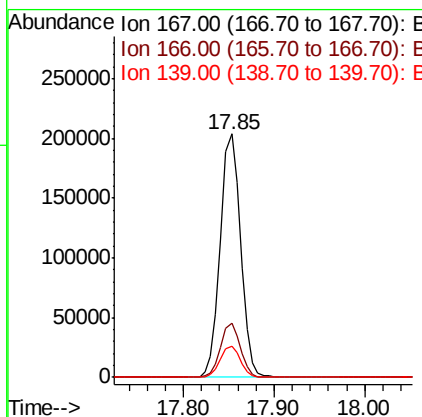
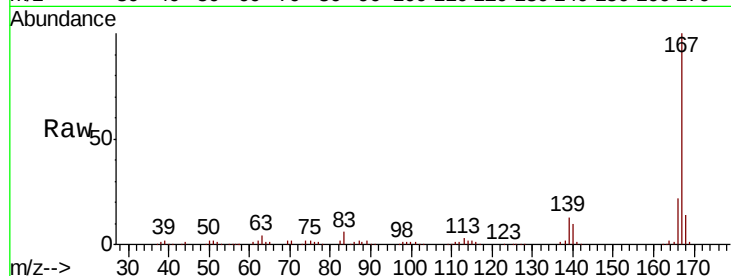




#73  
 Carbazole  
 Concen: 42.646 ng  
 RT: 17.85 min Scan# 2513  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

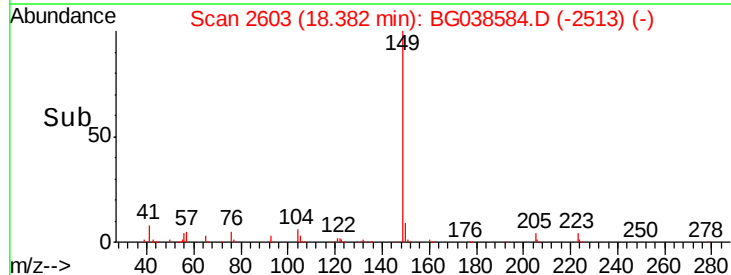
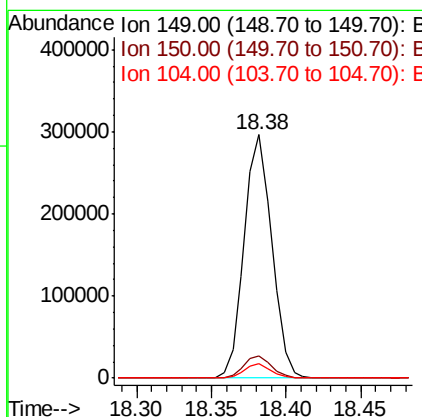
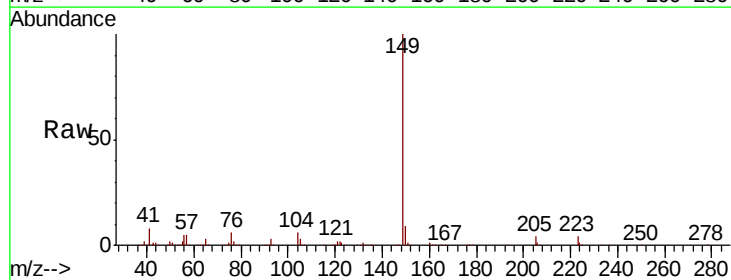
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

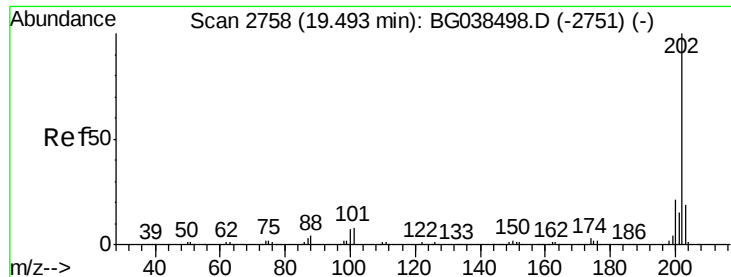
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.3  | 17.9  | 26.9  |
| 139     | 12.8  | 10.2  | 15.2  |



#74  
 Di-n-butylphthalate  
 Concen: 44.491 ng  
 RT: 18.38 min Scan# 2603  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.0   | 7.6   | 11.4  |
| 104     | 6.0   | 5.0   | 7.4   |

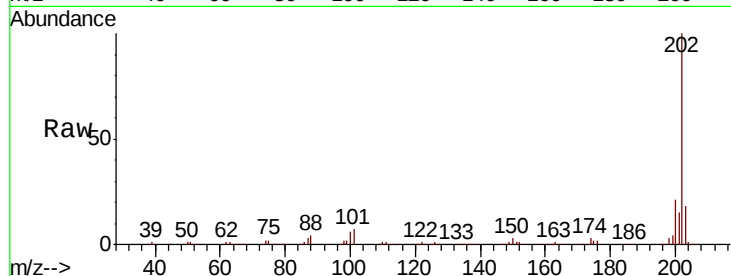




#75  
 Fluoranthene  
 Concen: 46.630 ng  
 RT: 19.49 min Scan# 2792  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115532BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.0   | 0.0   | 28.1  |
| 203     | 18.3  | 0.0   | 39.0  |

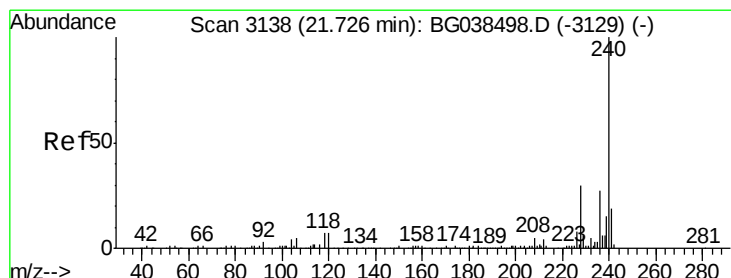
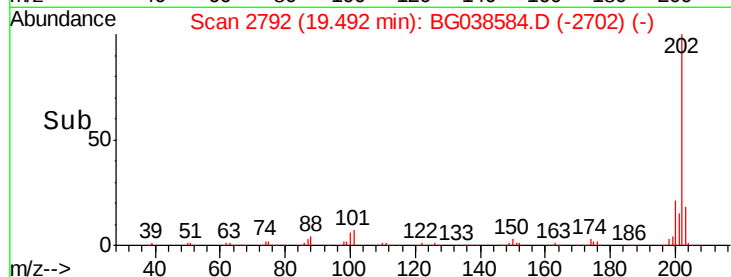
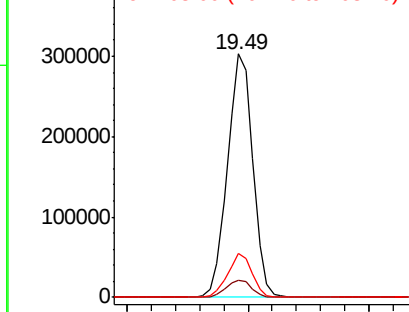


Abundance

Ion 202.00 (201.70 to 202.70): E

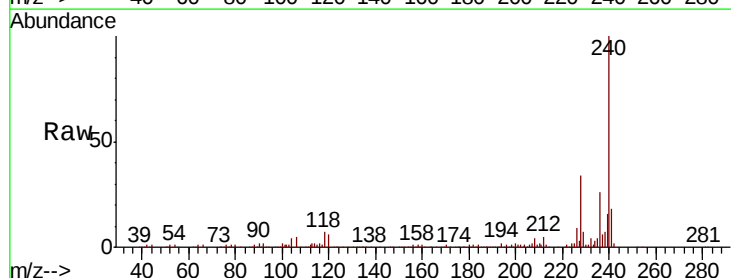
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.72 min Scan# 3172  
 Delta R.T. -0.00 min  
 Lab File: BG038584.D  
 Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.5   | 5.3   | 7.9   |
| 236     | 26.4  | 21.4  | 32.2  |

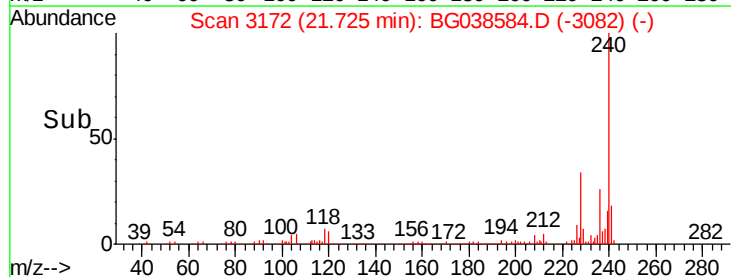
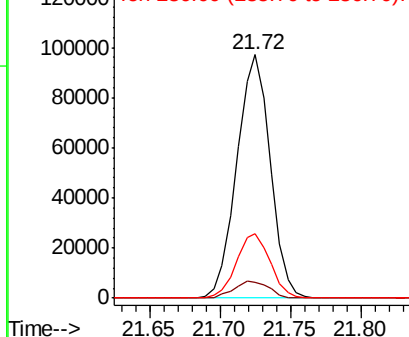


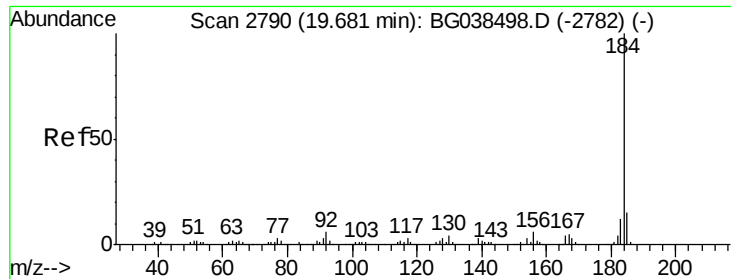
Abundance

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





#77

Benzidine

Concen: 48.420 ng

RT: 19.68 min Scan# 2824

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

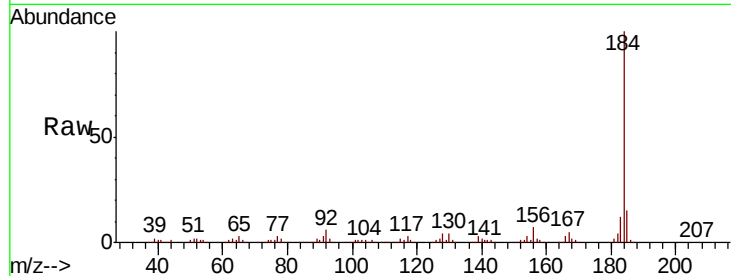
Tgt Ion:184 Resp: 230666

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.2

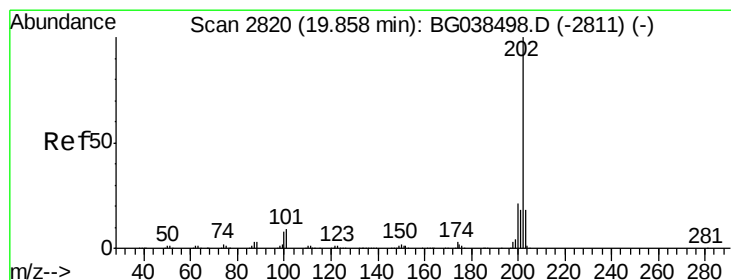
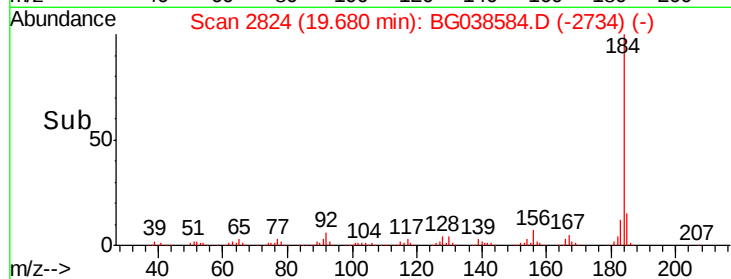
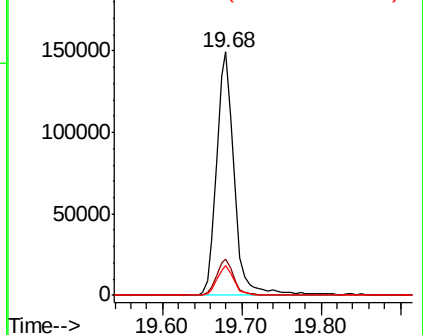
183 12.2 9.6 14.4



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



#78

Pyrene

Concen: 41.091 ng

RT: 19.86 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

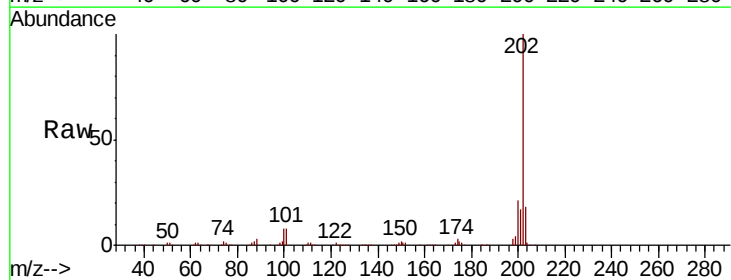
Tgt Ion:202 Resp: 437273

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

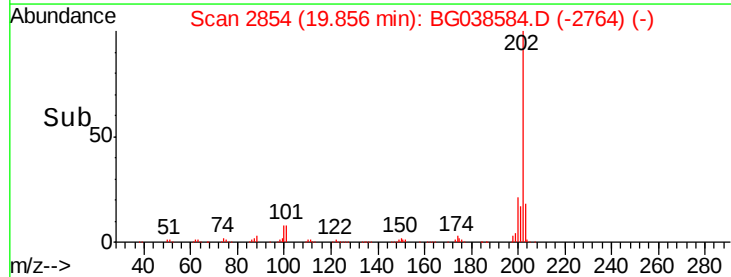
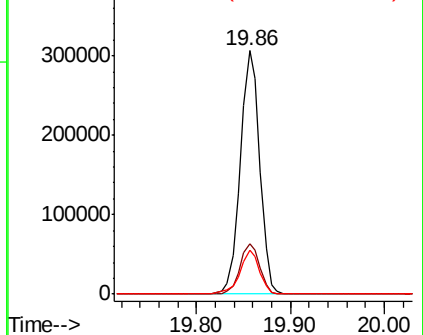
203 18.2 14.6 21.8

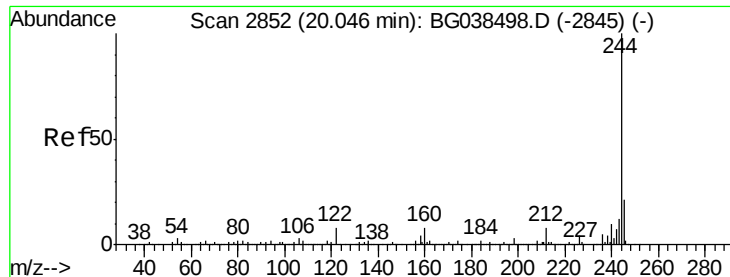


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 83.925 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

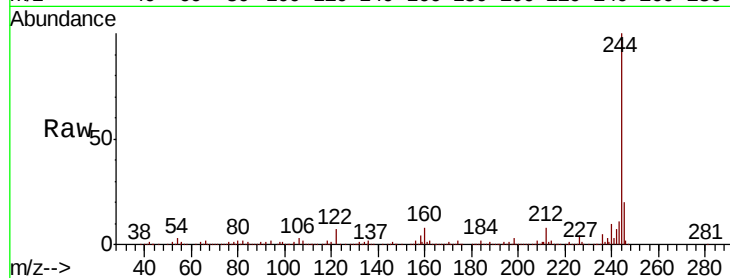
Tgt Ion:244 Resp: 621172

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

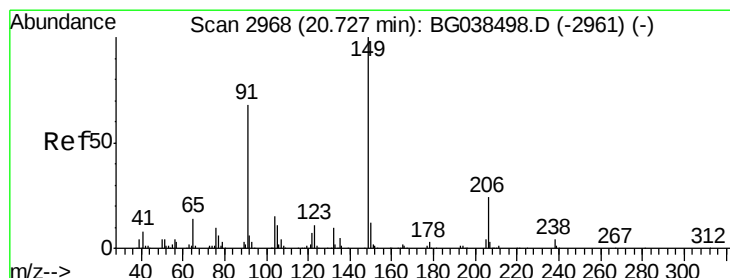
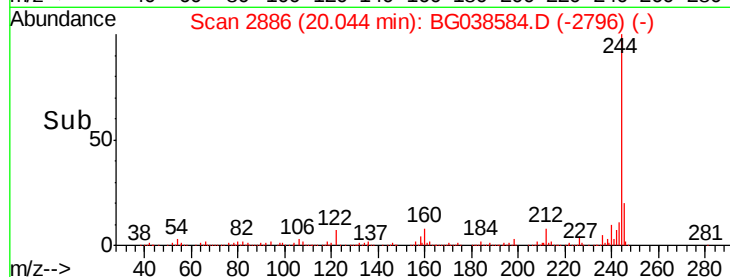
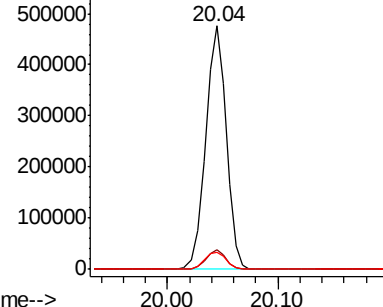
122 7.2 6.3 9.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 42.128 ng

RT: 20.73 min Scan# 3002

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

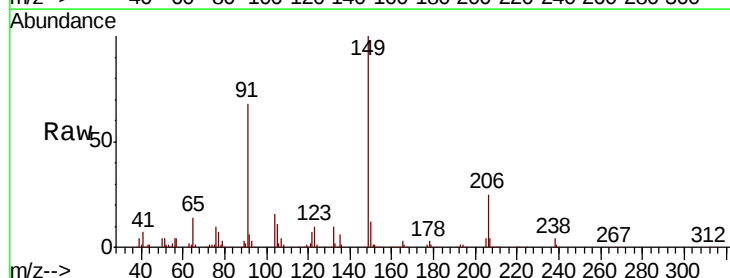
Tgt Ion:149 Resp: 175150

Ion Ratio Lower Upper

149 100

91 68.3 54.5 81.7

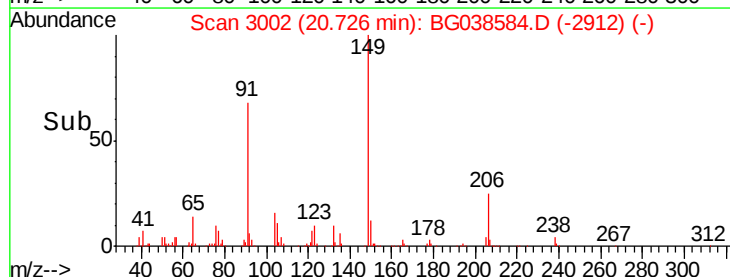
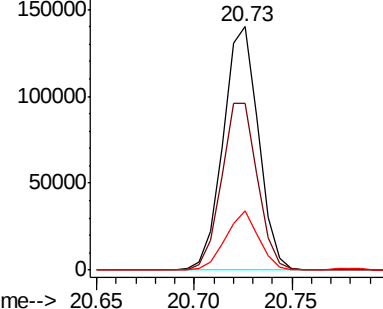
206 24.5 19.0 28.6

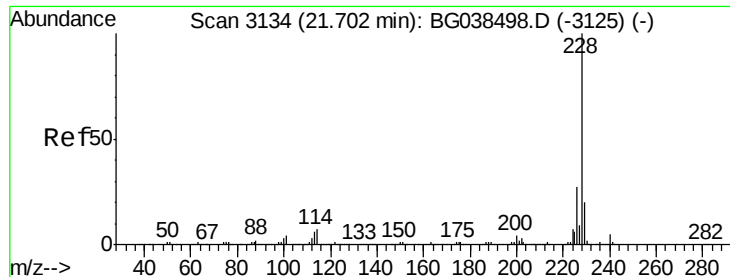


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.203 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

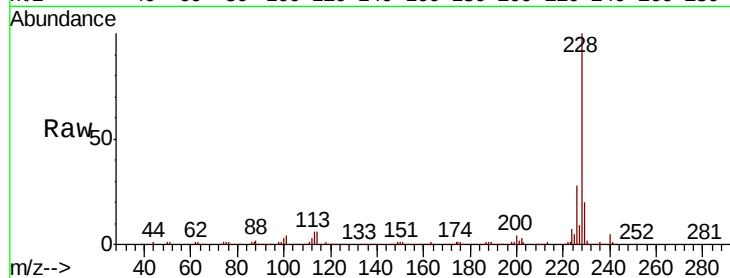
Tgt Ion:228 Resp: 433880

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

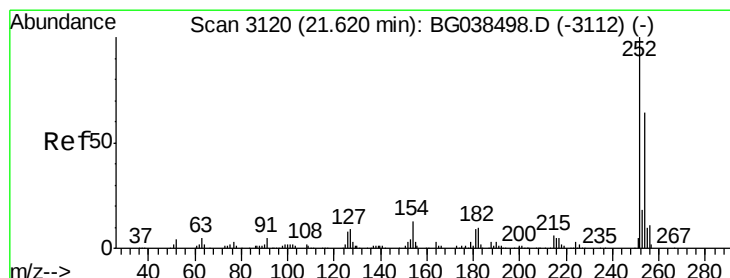
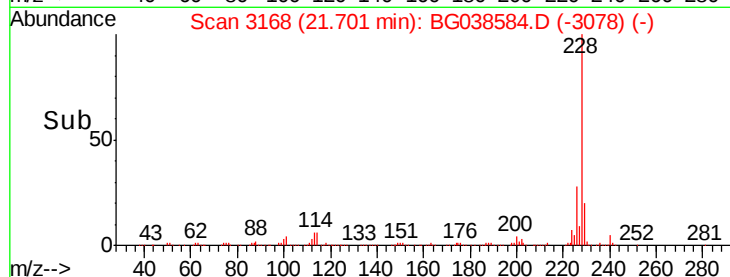
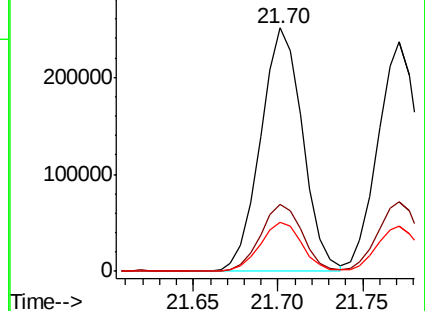
229 20.0 15.8 23.6



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



#82

3,3'-Dichlorobenzidine

Concen: 28.168 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

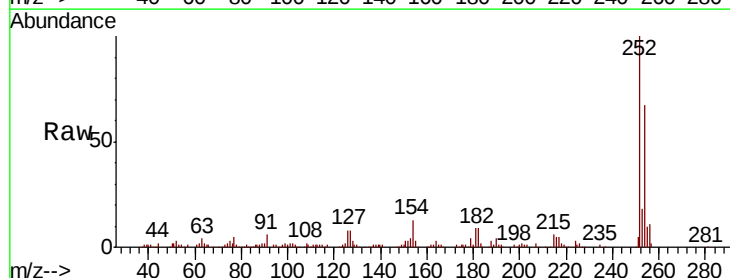
Tgt Ion:252 Resp: 109655

Ion Ratio Lower Upper

252 100

254 67.4 50.9 76.3

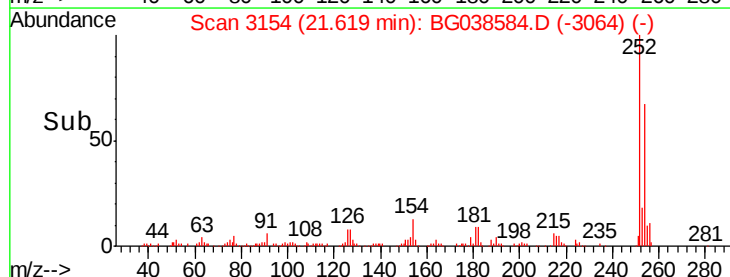
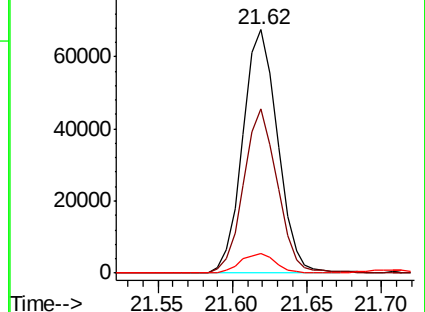
126 8.2 6.3 9.5

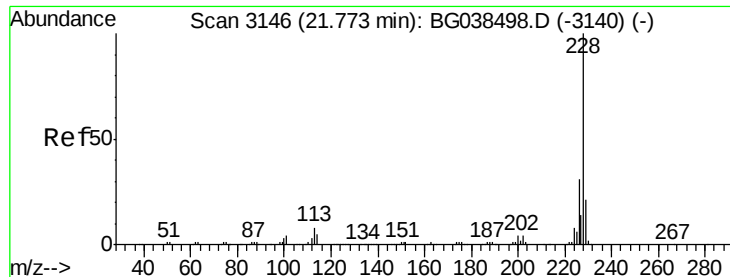


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 42.385 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

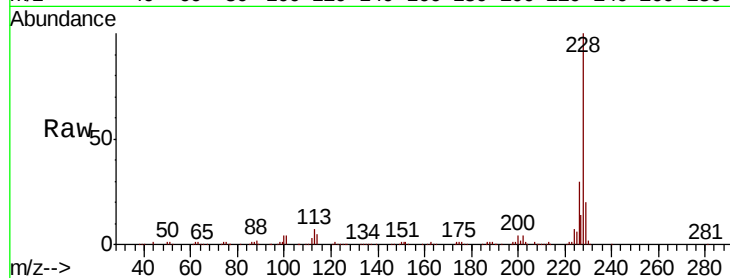
Tgt Ion:228 Resp: 400715

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.4

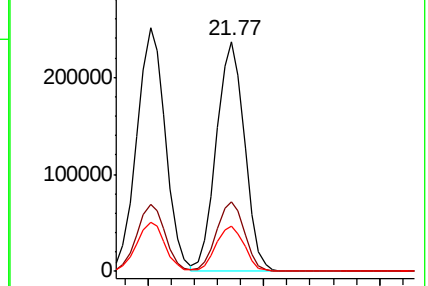
229 19.8 16.5 24.7



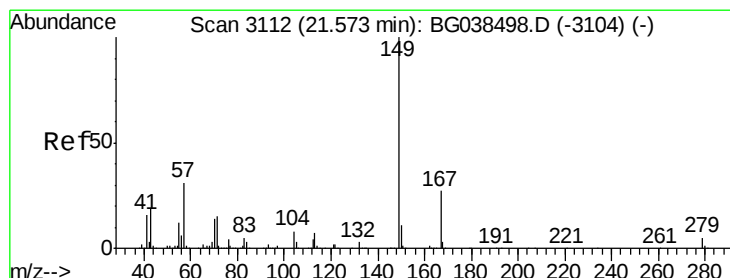
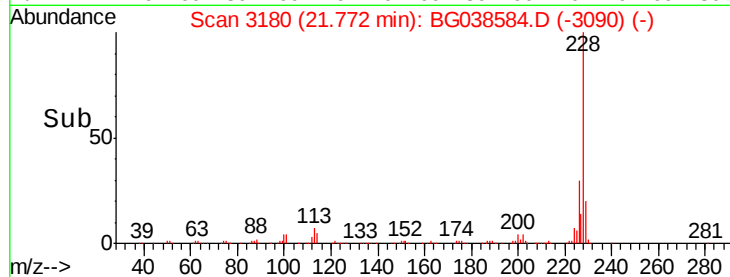
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.144 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

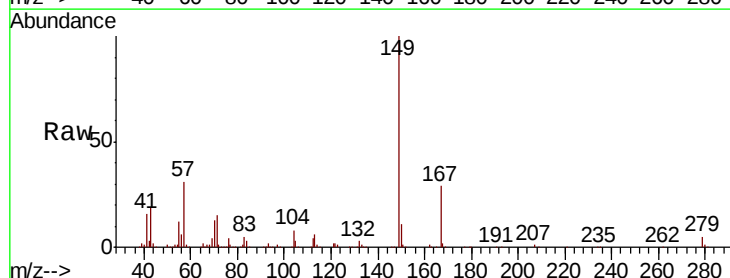
Tgt Ion:149 Resp: 248501

Ion Ratio Lower Upper

149 100

167 28.8 21.9 32.9

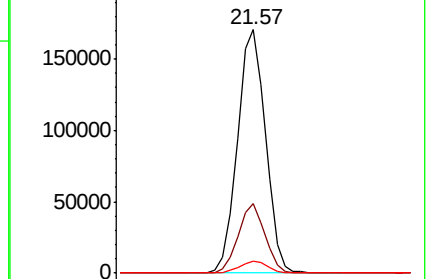
279 5.0 4.2 6.2



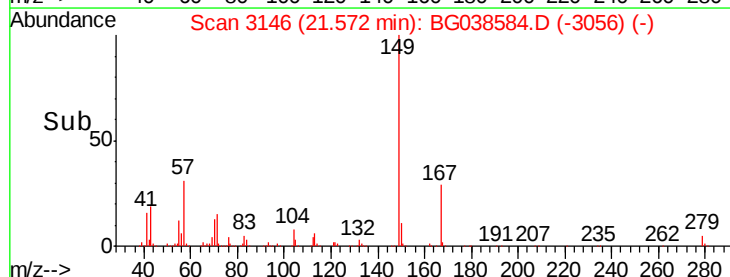
Abundance Ion 149.00 (148.70 to 149.70): E

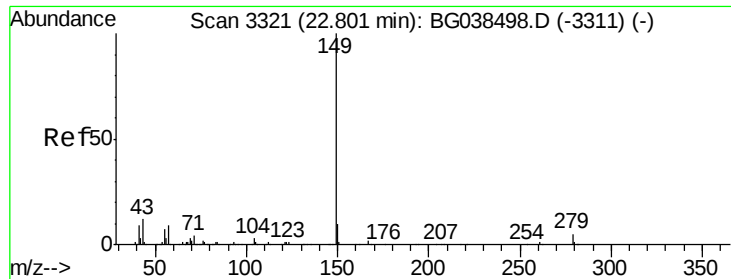
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

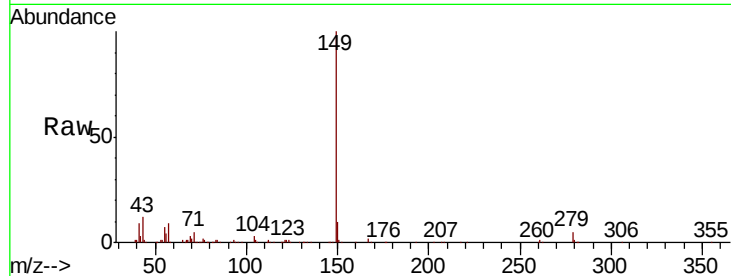




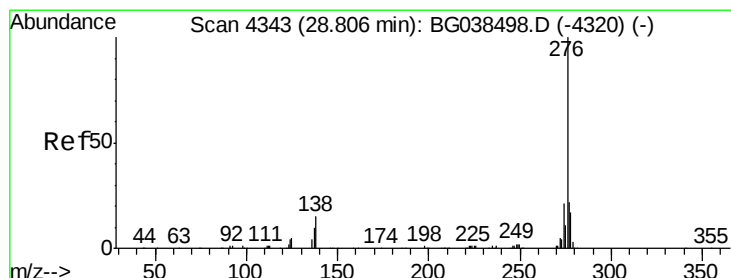
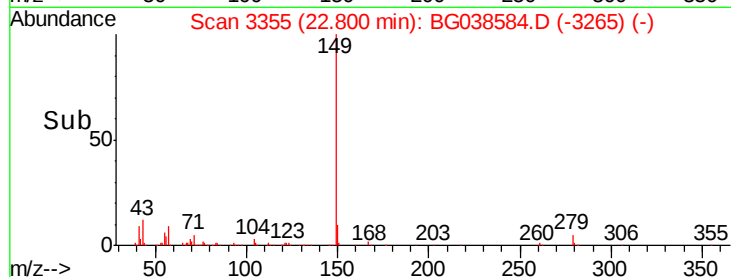
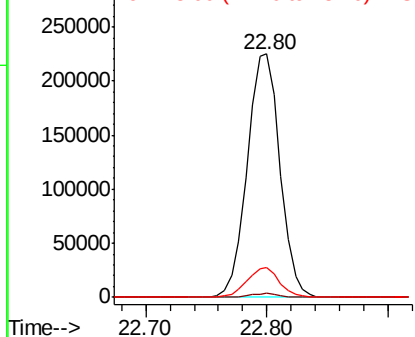
#85  
Di-n-octyl phthalate  
Concen: 42.853 ng  
RT: 22.80 min Scan# 3355  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 12.1  | 9.3   | 13.9  |

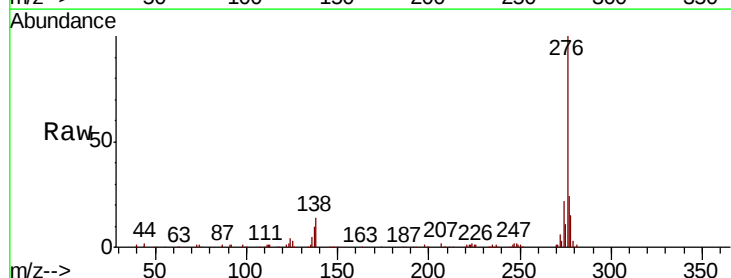


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BGC

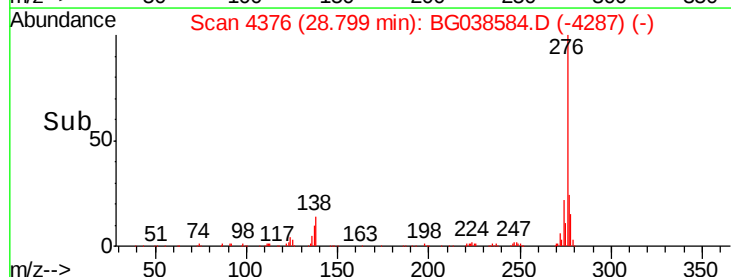
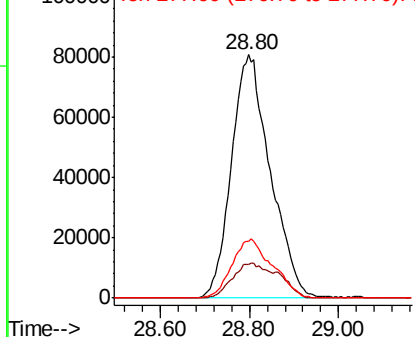


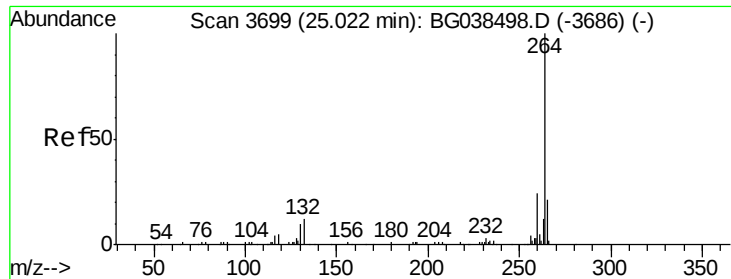
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 44.077 ng  
RT: 28.80 min Scan# 4376  
Delta R.T. -0.01 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.1  | 14.4  | 21.6  |
| 277     | 25.3  | 0.0   | 0.0#  |



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



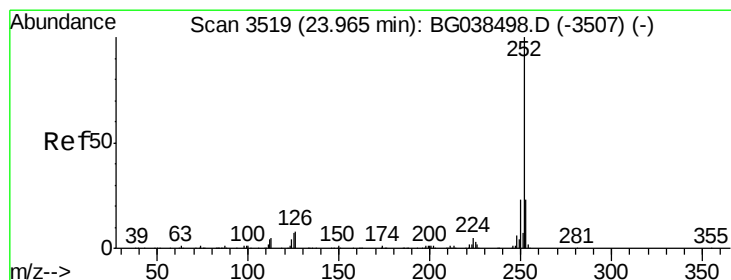
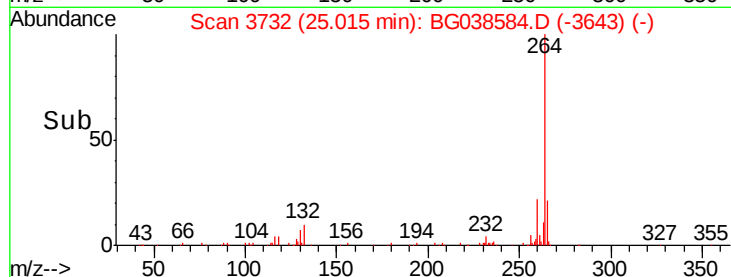
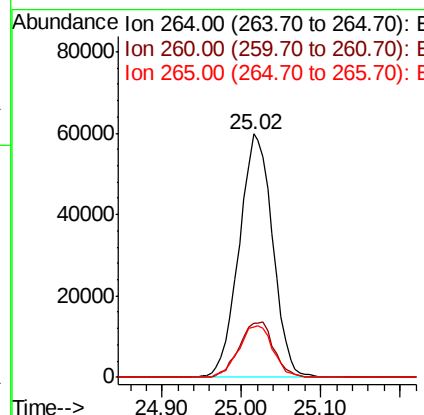
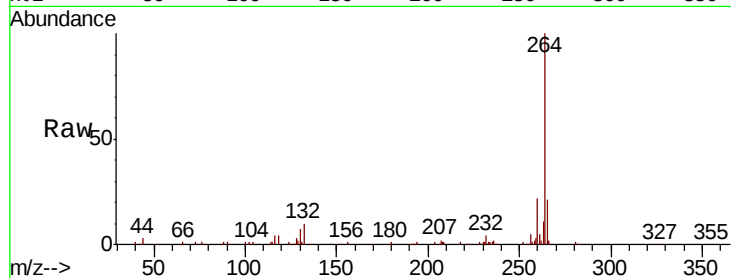


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.02 min Scan# 3732  
Delta R.T. -0.01 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Instrument :  
BNA\_G  
ClientSampleId :  
PB115532BS

Tgt Ion: 264 Resp: 175275  

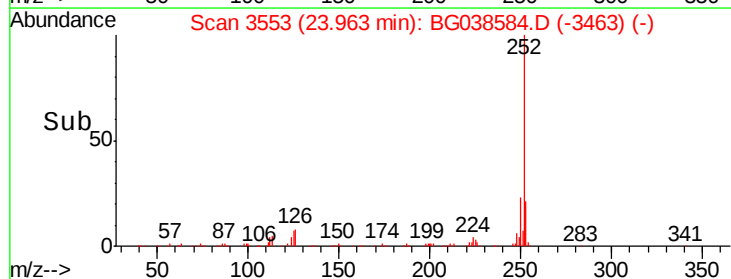
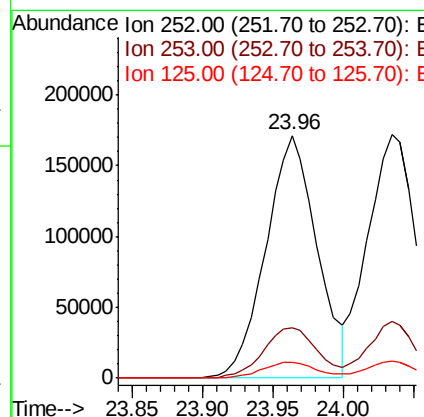
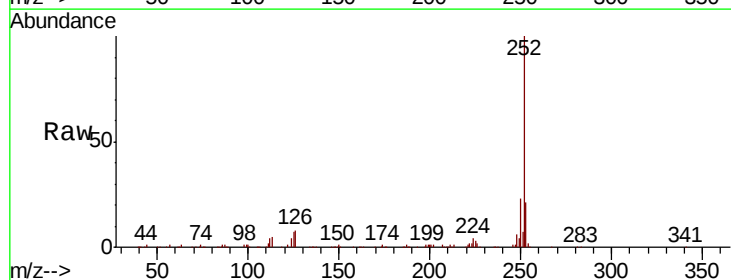
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.4  | 18.9  | 28.3  |
| 265 | 20.5  | 17.0  | 25.4  |

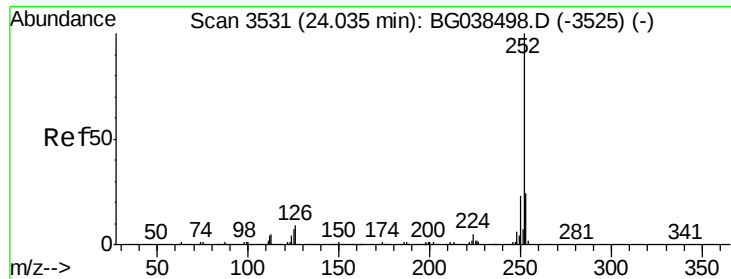


#88  
Benzo(b)fluoranthene  
Concen: 45.109 ng  
RT: 23.96 min Scan# 3553  
Delta R.T. -0.00 min  
Lab File: BG038584.D  
Acq: 15 Dec 2018 1:42

Tgt Ion: 252 Resp: 434095  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.0  | 18.1  | 27.1  |
| 125 | 6.8   | 5.5   | 8.3   |





#89

Benzo(k)fluoranthene

Concen: 42.981 ng

RT: 24.03 min Scan# 3565

Delta R.T. -0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

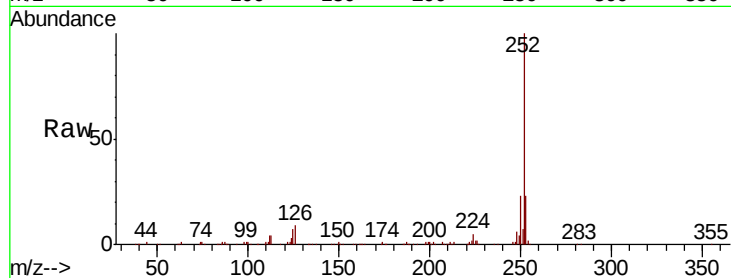
Tgt Ion:252 Resp: 411879

Ion Ratio Lower Upper

252 100

253 23.0 18.9 28.3

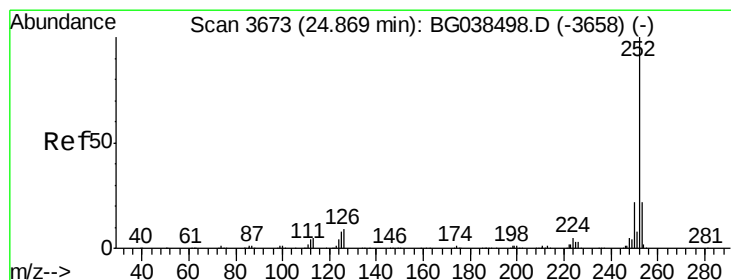
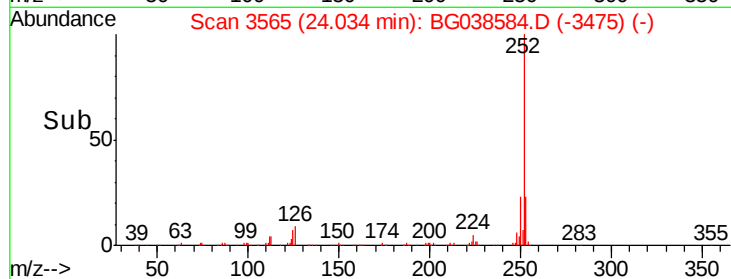
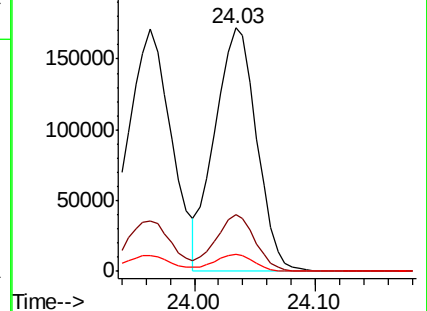
125 7.1 5.4 8.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 45.360 ng

RT: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

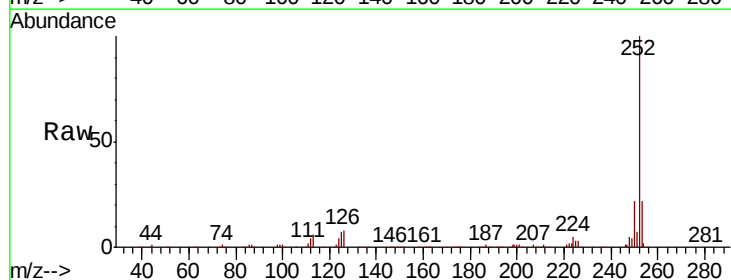
Tgt Ion:252 Resp: 421122

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

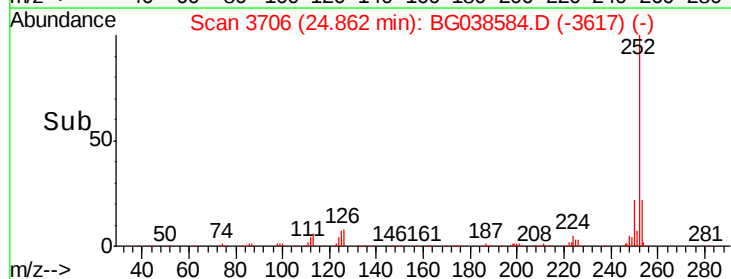
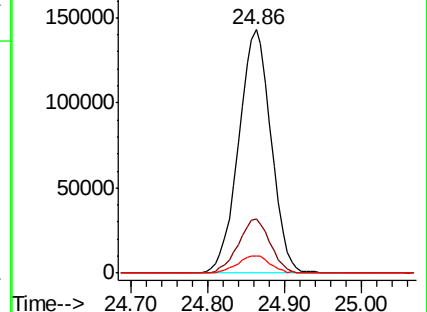
125 6.8 6.4 9.6

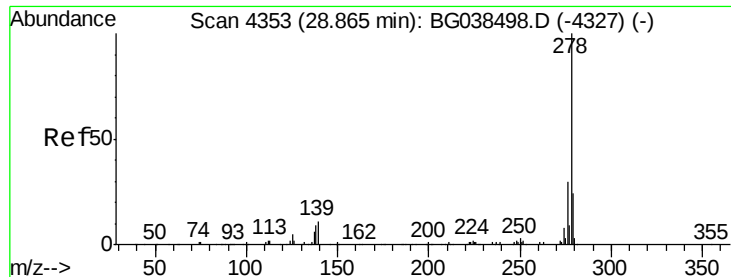


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 44.035 ng

RT: 28.87 min Scan# 4388

Delta R.T. 0.00 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

Instrument :

BNA\_G

ClientSampleId :

PB115532BS

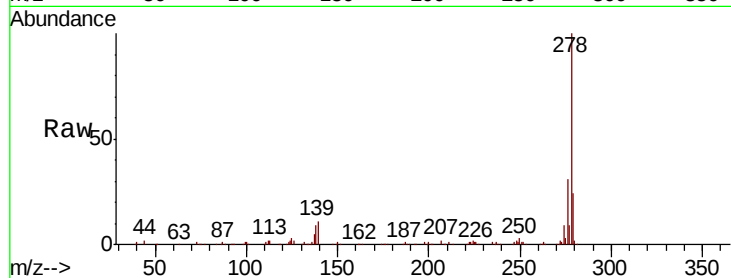
Tgt Ion:278 Resp: 407055

Ion Ratio Lower Upper

278 100

139 11.0 8.6 12.8

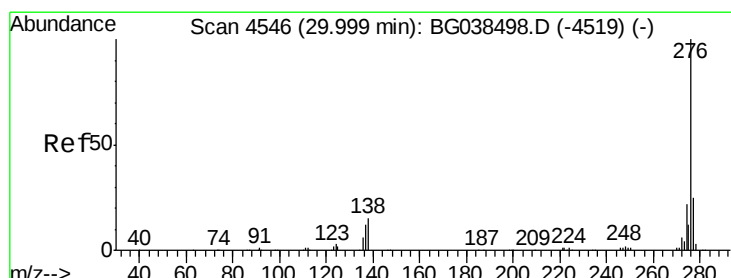
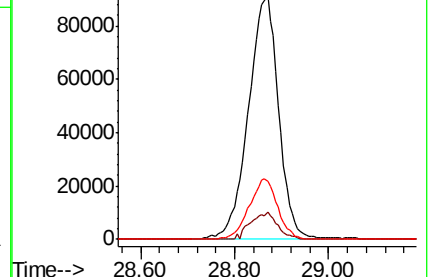
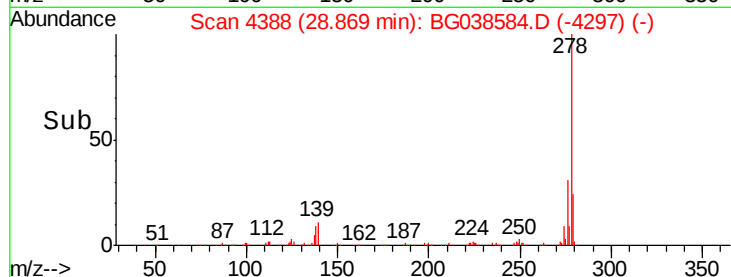
279 23.9 19.0 28.6



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



#92

Benzo(g,h,i)perylene

Concen: 44.384 ng

RT: 29.99 min Scan# 4579

Delta R.T. -0.01 min

Lab File: BG038584.D

Acq: 15 Dec 2018 1:42

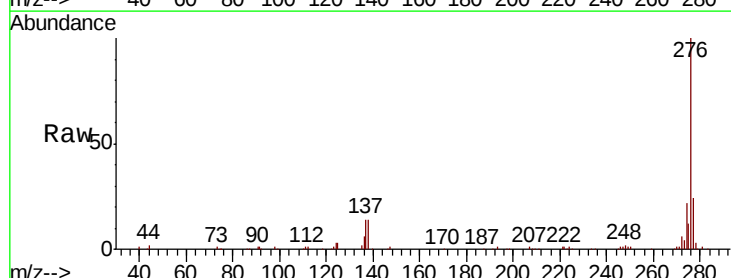
Tgt Ion:276 Resp: 404326

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.8

138 14.1 11.8 17.6



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

