

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\  
 Data File : BG042633.D  
 Acq On : 31 Aug 2019 13:56  
 Operator : HP/JU  
 Sample : K4562-07MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

Quant Time: Aug 31 18:27:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.99  | 152  | 38376    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.81 | 136  | 140272   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.66 | 164  | 101206   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 237885   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.68 | 240  | 255114   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 24.92 | 264  | 307927   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.55  | 112 | 257492 | 135.89 | ng | 0.00  |
| 7) Phenol-d6             | 7.16  | 99  | 341878 | 133.57 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.17  | 82  | 189920 | 93.56  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 215069 | 149.51 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 13.28 | 172 | 532341 | 88.96  | ng | 0.00  |
| 79) Terphenyl-d14        | 20.02 | 244 | 961055 | 81.44  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.41  | 88  | 24996  | 31.610 | ng | 97     |
| 3) Pyridine                    | 3.82  | 79  | 60496  | 29.835 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.73  | 42  | 32383  | 44.715 | ng | 89     |
| 6) Aniline                     | 7.31  | 93  | 104839 | 30.710 | ng | 99     |
| 8) 2-Chlorophenol              | 7.56  | 128 | 105731 | 46.042 | ng | 100    |
| 9) Benzaldehyde                | 7.12  | 77  | 59816  | 46.680 | ng | 98     |
| 10) Phenol                     | 7.19  | 94  | 126383 | 48.565 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 7.41  | 93  | 81753  | 40.001 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.89  | 146 | 119740 | 40.988 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.03  | 146 | 122612 | 41.436 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.35  | 146 | 118920 | 41.965 | ng | 98     |
| 15) Benzyl Alcohol             | 8.23  | 79  | 82334  | 44.712 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53  | 45  | 106796 | 38.553 | ng | 98     |
| 17) 2-Methylphenol             | 8.45  | 107 | 86964  | 45.370 | ng | 95     |
| 18) Hexachloroethane           | 9.09  | 117 | 41479  | 40.946 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.80  | 70  | 66892  | 40.340 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.78  | 107 | 115210 | 43.437 | ng | 99     |
| 22) Acetophenone               | 8.82  | 105 | 147455 | 49.149 | ng | 99     |
| 24) Nitrobenzene               | 9.20  | 77  | 98182  | 47.765 | ng | 99     |
| 25) Isophorone                 | 9.73  | 82  | 186212 | 46.483 | ng | 98     |
| 26) 2-Nitrophenol              | 9.93  | 139 | 65320  | 50.709 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.99  | 122 | 100371 | 56.566 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93  | 115882 | 45.896 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.47 | 162 | 122943 | 52.957 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.68 | 180 | 141547 | 49.674 | ng | 94     |
| 31) Naphthalene                | 10.87 | 128 | 317346 | 48.729 | ng | 99     |
| 32) Benzoic acid               | 10.16 | 122 | 47475  | 38.761 | ng | 97     |
| 33) 4-Chloroaniline            | 10.98 | 127 | 61375  | 20.415 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.15 | 225 | 95855  | 50.053 | ng | 97     |
| 35) Caprolactam                | 11.76 | 113 | 35475m | 45.795 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107 | 110190 | 49.999 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 257233 | 49.191 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.70 | 142 | 240930 | 48.505 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 176331 | 54.254 | ng | 99     |

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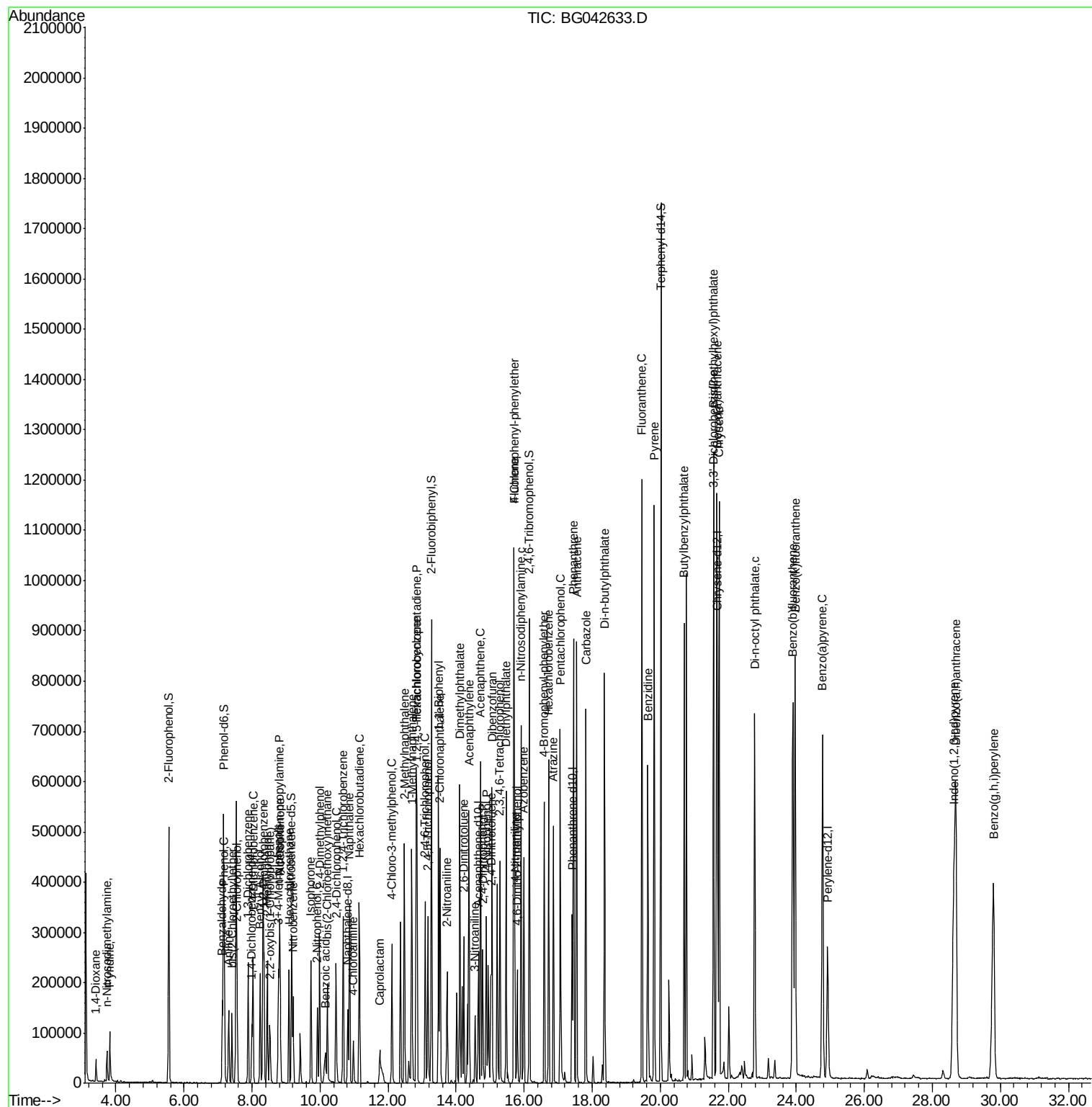
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.83 | 237  | 181462   | 106.290 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.09 | 196  | 114190   | 51.979  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.17 | 196  | 122565   | 53.838  | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.49 | 154  | 338411   | 51.729  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.53 | 162  | 279193   | 49.494  | nq    | 100      |
| 48) 2-Nitroaniline             | 13.73 | 65   | 61433    | 45.162  | nq    | 95       |
| 49) Acenaphthylene             | 14.38 | 152  | 434468   | 51.194  | nq    | 99       |
| 50) Dimethylphthalate          | 14.11 | 163  | 463638   | 63.491  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.23 | 165  | 85564    | 50.551  | nq    | 95       |
| 52) Acenaphthene               | 14.72 | 154  | 254509   | 49.388  | nq    | 99       |
| 53) 3-Nitroaniline             | 14.56 | 138  | 45937    | 27.137  | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 14.78 | 184  | 101944   | 88.615  | nq    | 97       |
| 55) Dibenzofuran               | 15.06 | 168  | 440955   | 51.694  | nq    | 99       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 121914   | 101.353 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 15.03 | 165  | 122088   | 50.370  | nq    | 99       |
| 58) Fluorene                   | 15.71 | 166  | 357205   | 51.228  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 122689m  | 54.496  | nq    |          |
| 60) Diethylphthalate           | 15.47 | 149  | 347895   | 48.735  | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204  | 212959   | 50.664  | nq    | 98       |
| 62) 4-Nitroaniline             | 15.73 | 138  | 87319    | 48.197  | nq    | 95       |
| 63) Azobenzene                 | 15.99 | 77   | 235563   | 48.158  | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 81909    | 54.920  | nq    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.91 | 169  | 331008   | 50.597  | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.59 | 248  | 150357   | 49.830  | nq    | 98       |
| 68) Hexachlorobenzene          | 16.72 | 284  | 160420   | 48.906  | nq    | 97       |
| 69) Atrazine                   | 16.86 | 200  | 126512   | 54.685  | nq    | 98       |
| 70) Pentachlorophenol          | 17.06 | 266  | 180586   | 105.958 | nq    | 98       |
| 71) Phenanthrene               | 17.45 | 178  | 607535   | 51.416  | nq    | 99       |
| 72) Anthracene                 | 17.54 | 178  | 622627   | 52.783  | nq    | 100      |
| 73) Carbazole                  | 17.81 | 167  | 546884   | 52.019  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.36 | 149  | 628760   | 50.594  | nq    | 100      |
| 75) Fluoranthene               | 19.46 | 202  | 802136   | 55.624  | nq    | 98       |
| 77) Benzidine                  | 19.64 | 184  | 455848   | 62.323  | nq    | 98       |
| 78) Pyrene                     | 19.83 | 202  | 807846   | 51.650  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.70 | 149  | 294088   | 47.804  | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.67 | 228  | 795594   | 51.266  | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.58 | 252  | 214621   | 34.386  | nq    | 96       |
| 83) Chrysene                   | 21.73 | 228  | 772958   | 51.645  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 419403   | 49.101  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 22.78 | 149  | 727400   | 49.514  | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.64 | 276  | 1024484  | 50.369  | nq    | 98       |
| 88) Benzo(b)fluoranthene       | 23.90 | 252  | 863198   | 50.990  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 23.97 | 252  | 873140m  | 53.659  | nq    |          |
| 90) Benzo(a)pyrene             | 24.77 | 252  | 863132   | 53.731  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.69 | 278  | 849709   | 52.242  | nq    | 97       |
| 92) Benzo(g,h,i)perylene       | 29.80 | 276  | 863822   | 53.102  | nq    | 98       |

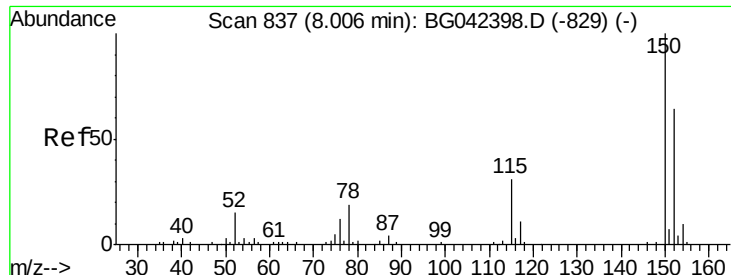
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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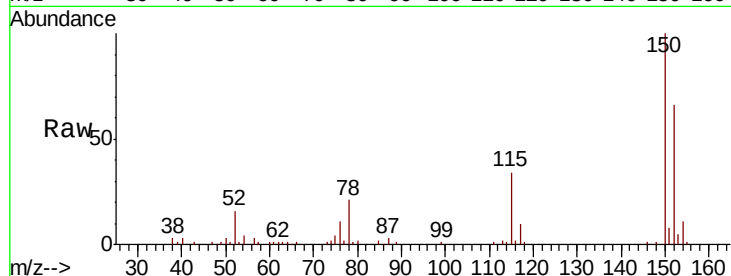


#1

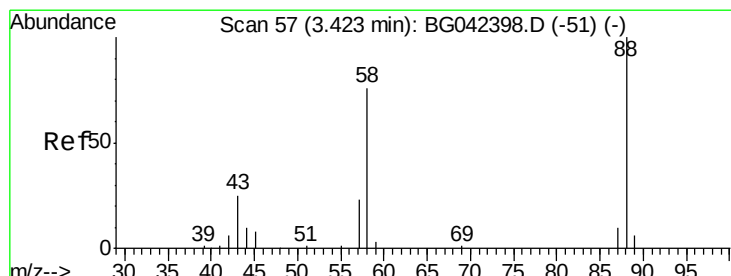
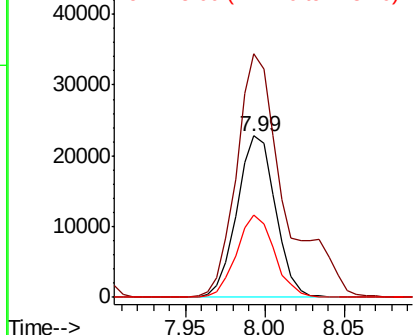
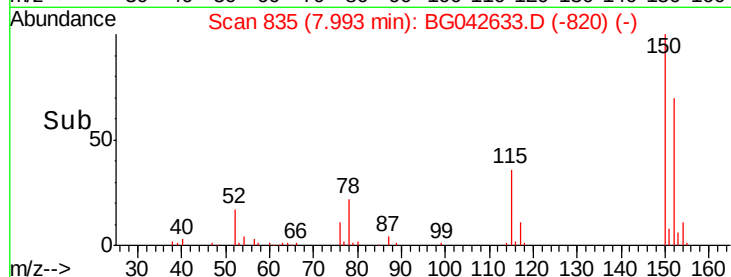
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

Tot Ion:152 Resp: 38376  
Ion Ratio Lower Upper  
152 100  
150 150.6 125.4 188.0  
115 50.9 38.5 57.7



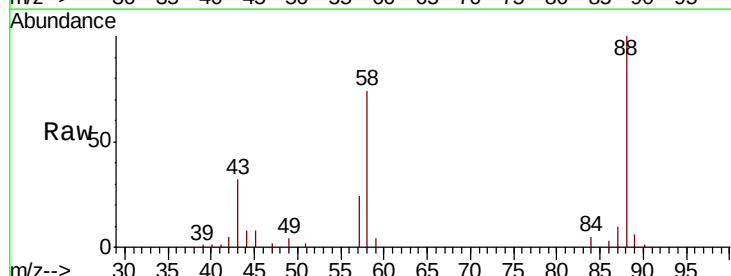
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



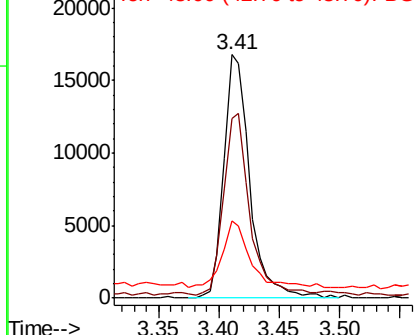
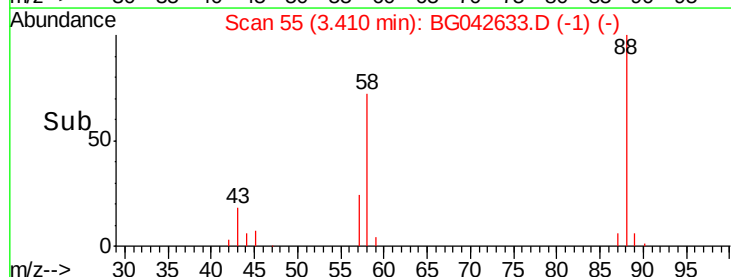
#2

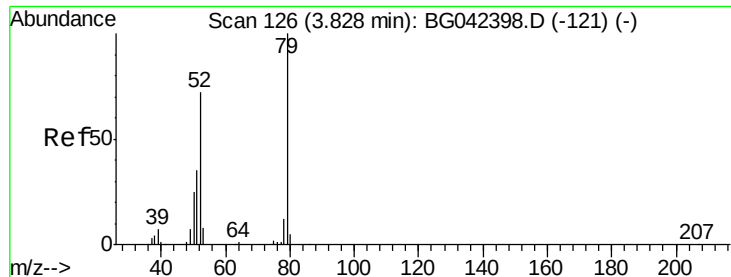
1,4-Dioxane  
Concen: 31.610 ng  
RT: 3.41 min Scan# 55  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion: 88 Resp: 24996  
Ion Ratio Lower Upper  
88 100  
58 74.0 58.3 87.5  
43 29.3 20.2 30.2



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





#3

Pvridine

Concen: 29.835 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

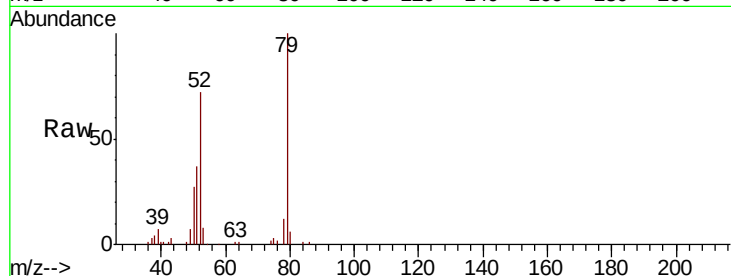
Tot Ion: 79 Resp: 60496

Ion Ratio Lower Upper

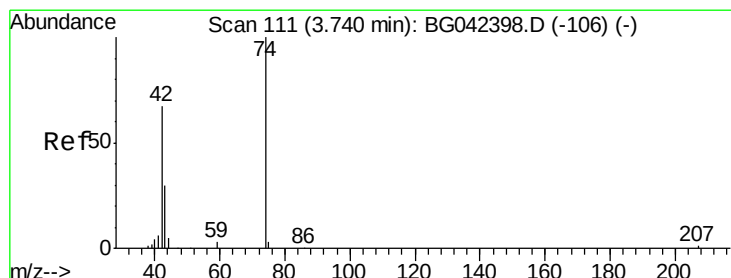
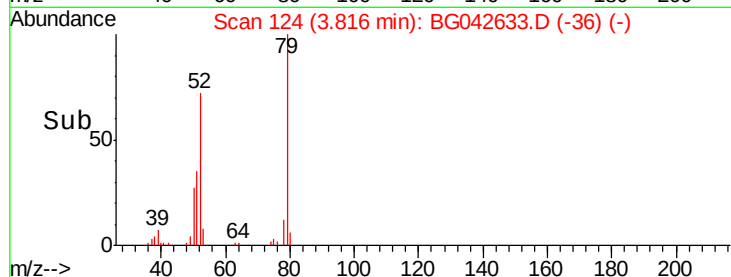
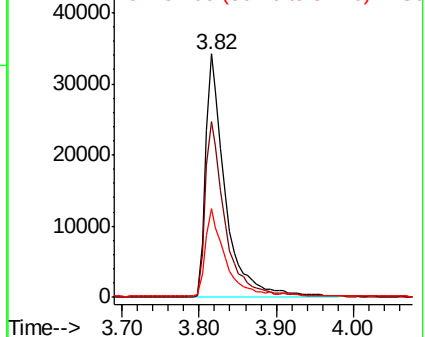
79 100

52 72.3 57.7 86.5

51 36.5 28.8 43.2



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: 44.715 ng

RT: 3.73 min Scan# 110

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

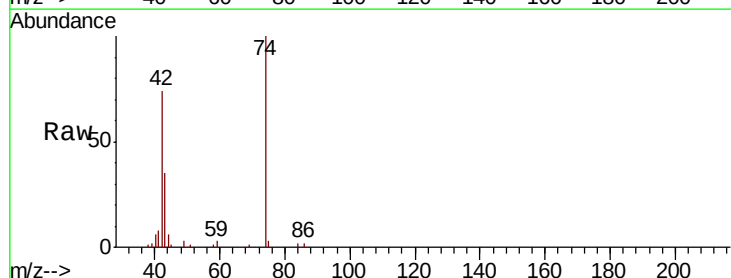
Tgt Ion: 42 Resp: 32383

Ion Ratio Lower Upper

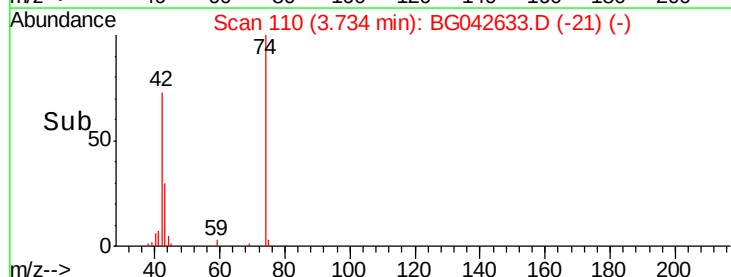
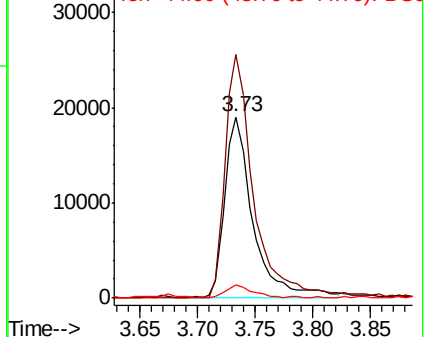
42 100

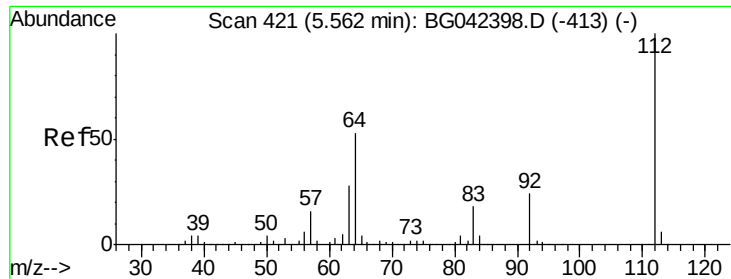
74 134.6 119.6 179.4

44 7.5 6.5 9.7



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: 135.891 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

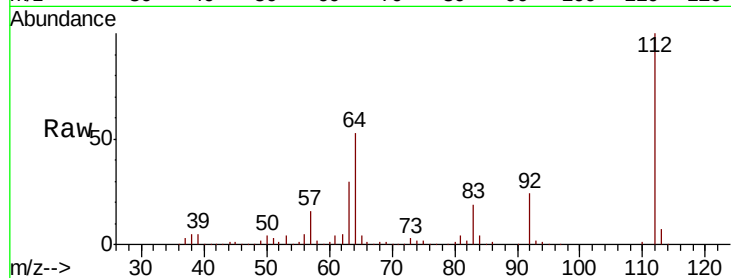
Tot Ion:112 Resp: 257492

Ion Ratio Lower Upper

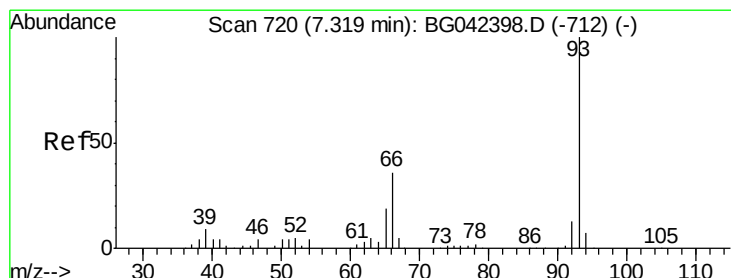
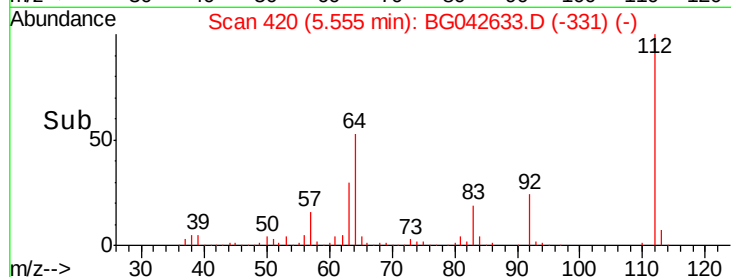
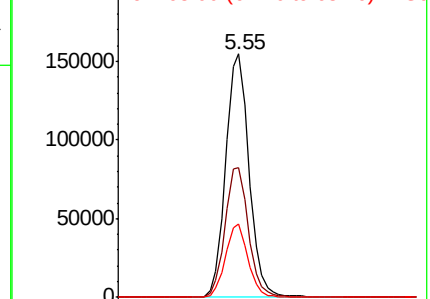
112 100

64 53.1 42.8 64.2

63 29.9 22.7 34.1



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: 30.710 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

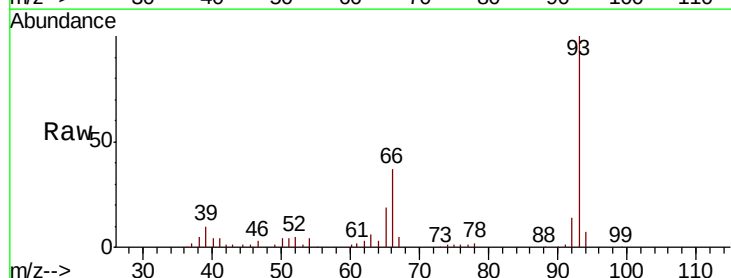
Tgt Ion: 93 Resp: 104839

Ion Ratio Lower Upper

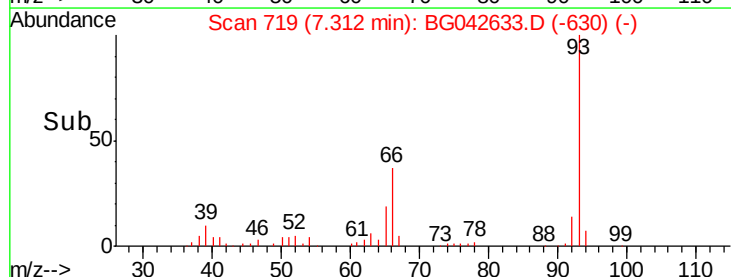
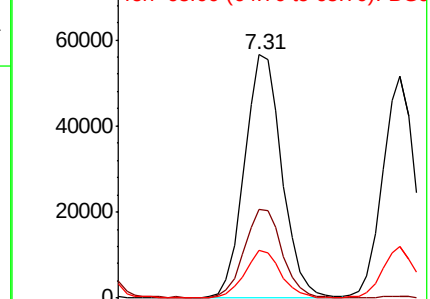
93 100

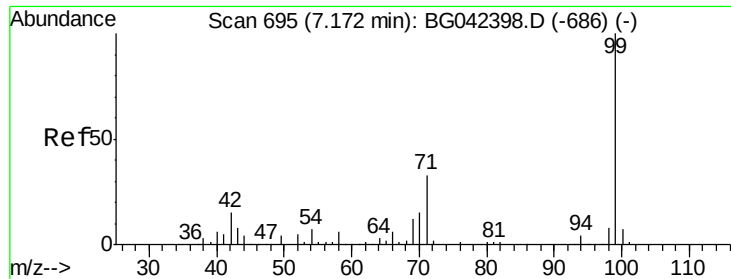
66 36.6 29.0 43.6

65 19.4 15.2 22.8



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 133.572 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

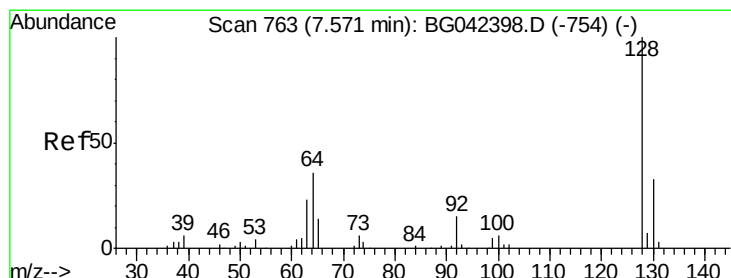
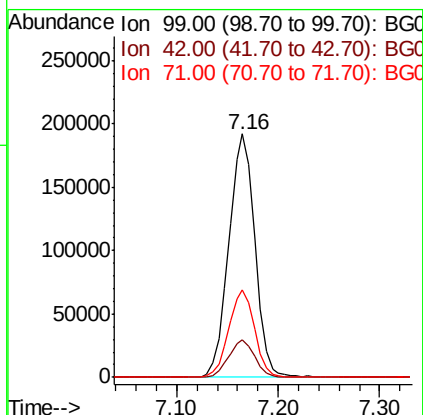
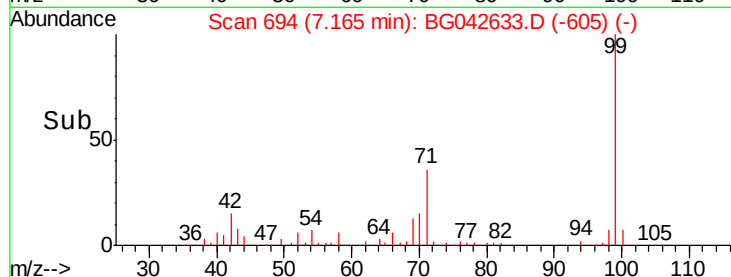
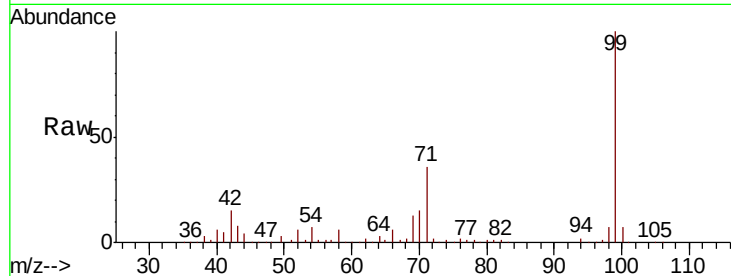
Tot Ion: 99 Resp: 341878

Ion Ratio Lower Upper

99 100

42 15.4 12.0 18.0

71 36.2 26.3 39.5



#8

2-Chlorophenol

Concen: 46.042 ng

RT: 7.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

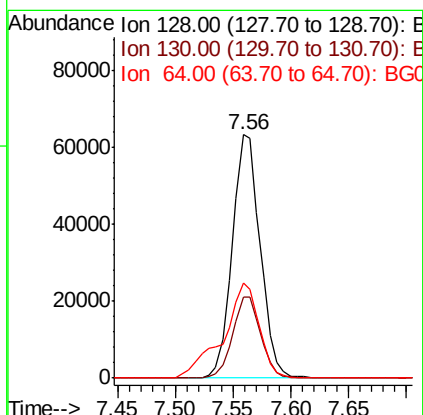
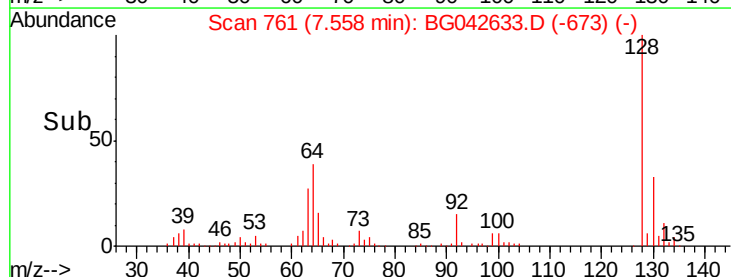
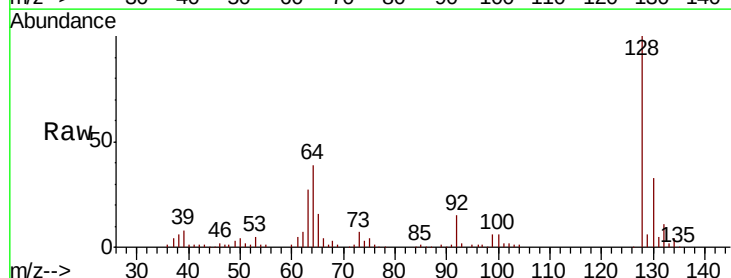
Tgt Ion: 128 Resp: 105731

Ion Ratio Lower Upper

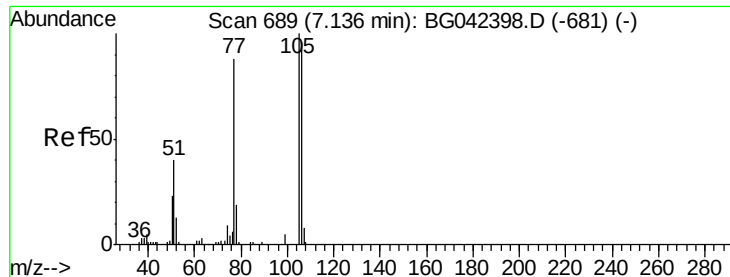
128 100

130 33.3 12.8 52.8

64 39.3 19.2 59.2







#9

Benzaldehyde

Concen: 46.680 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

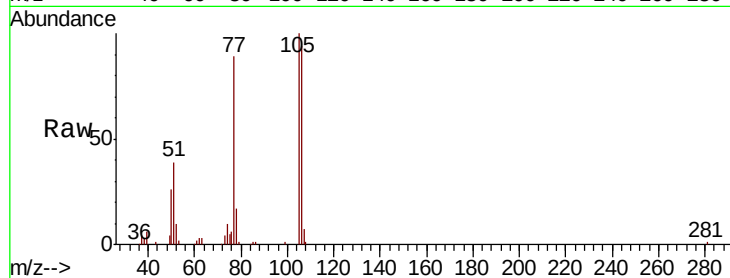
Tot Ion: 77 Resp: 59816

Ion Ratio Lower Upper

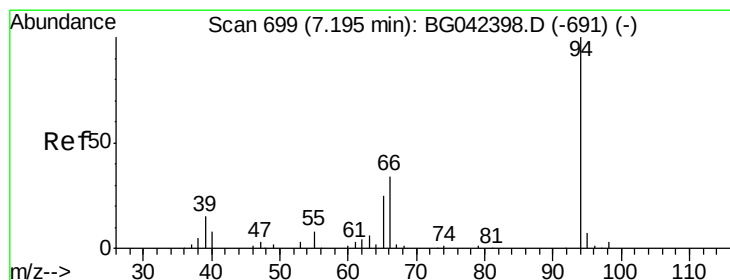
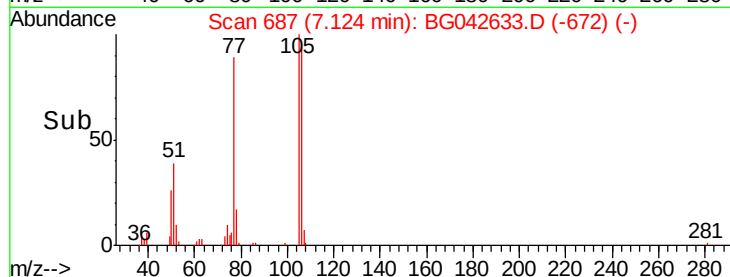
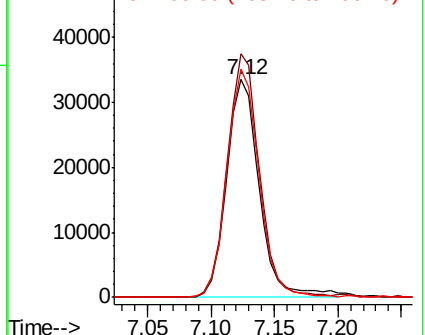
77 100

105 112.0 93.4 133.4

106 104.9 88.4 128.4



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: 48.565 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

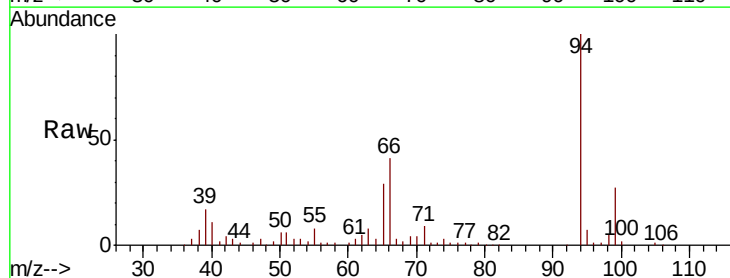
Tgt Ion: 94 Resp: 126383

Ion Ratio Lower Upper

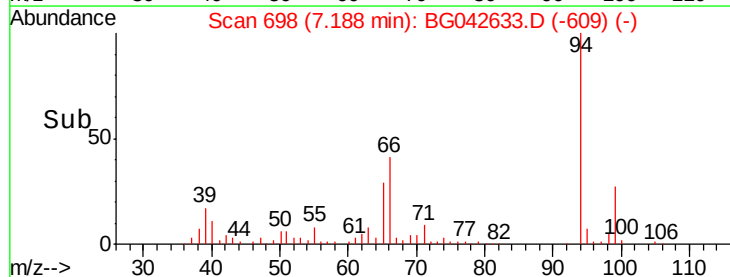
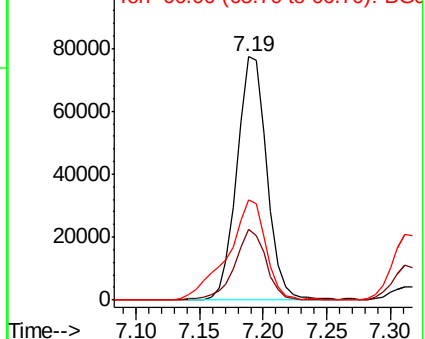
94 100

65 29.2 5.6 45.6

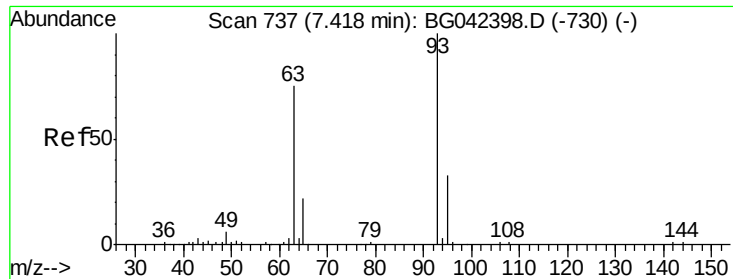
66 41.4 16.0 56.0



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: 40.001 ng

RT: 7.41 min Scan# 736

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

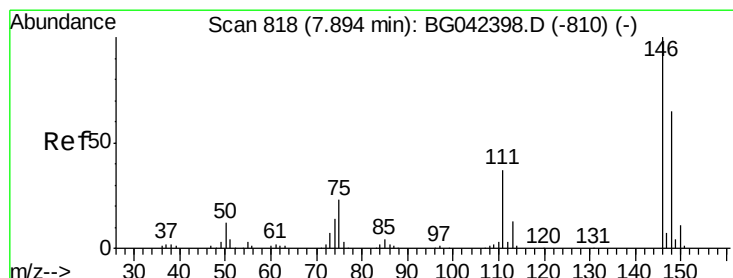
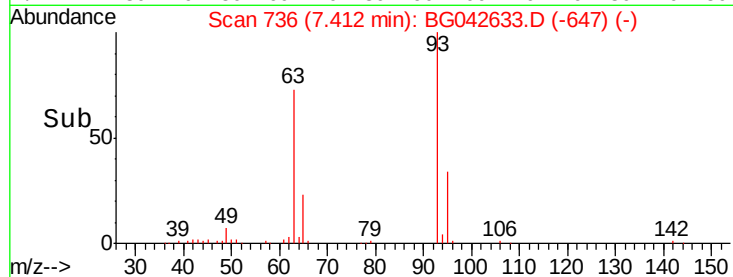
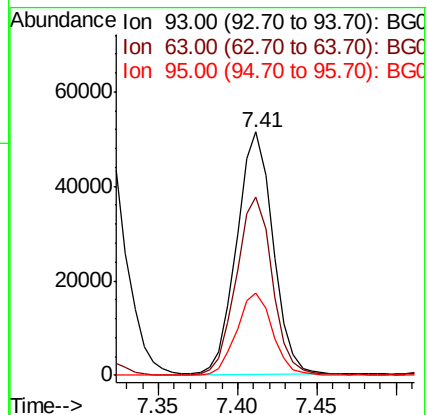
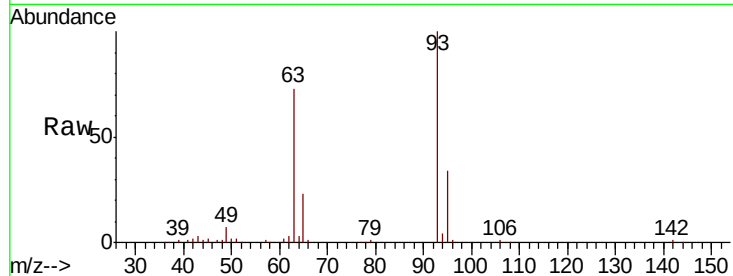
Tot Ion: 93 Resp: 81753

Ion Ratio Lower Upper

93 100

63 73.3 53.8 93.8

95 33.7 13.1 53.1



#12

1,3-Dichlorobenzene

Concen: 40.988 ng

RT: 7.89 min Scan# 817

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

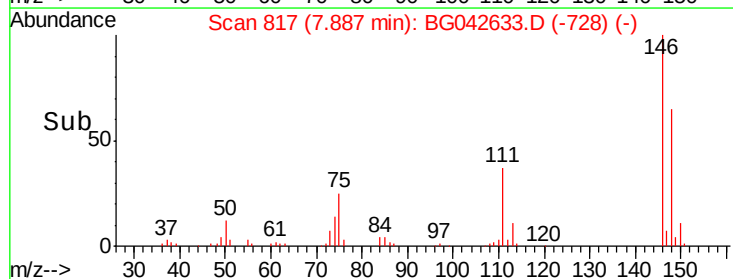
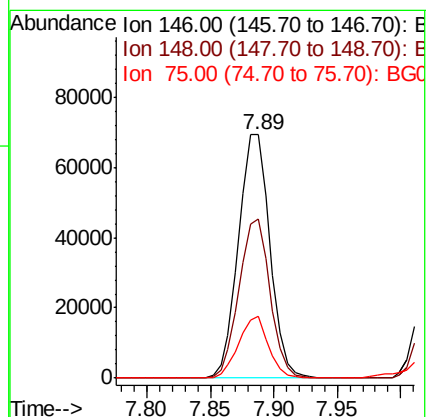
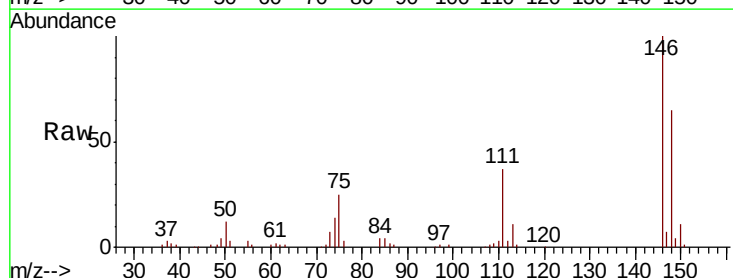
Tgt Ion: 146 Resp: 119740

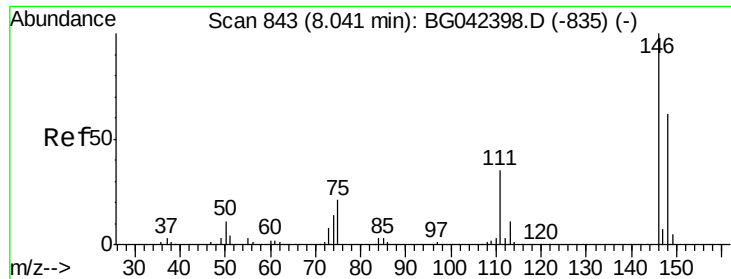
Ion Ratio Lower Upper

146 100

148 65.1 52.2 78.2

75 25.2 18.0 27.0

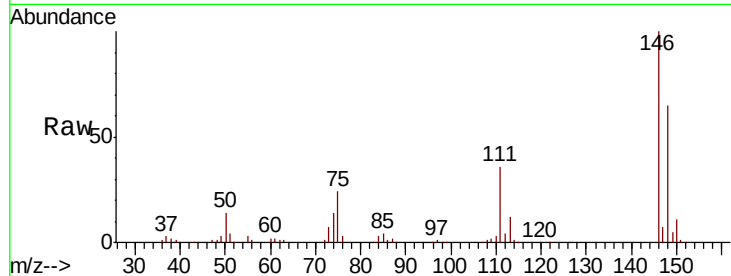




#13  
 1,4-Dichlorobenzene  
 Concen: 41.436 ng  
 RT: 8.03 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.4  | 49.5  | 74.3  |
| 111     | 35.8  | 28.1  | 42.1  |

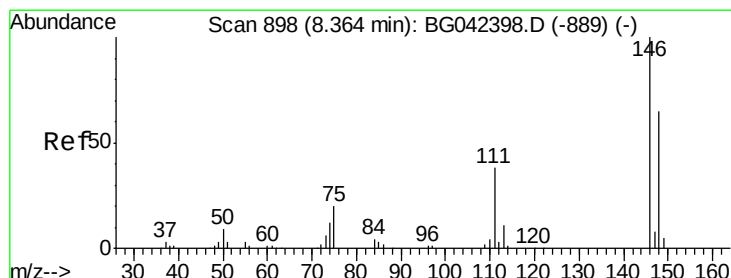
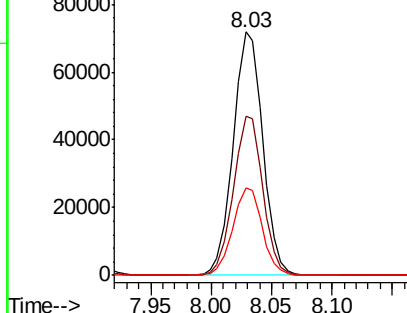
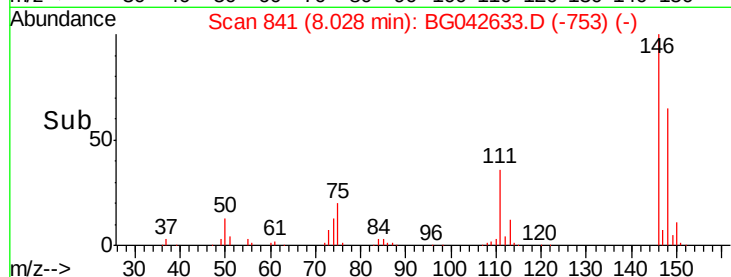


Abundance

Ion 146.00 (145.70 to 146.70): E

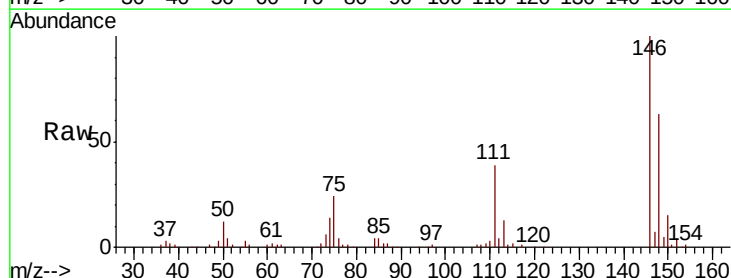
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 41.965 ng  
 RT: 8.35 min Scan# 896  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 51.8  | 77.6  |
| 111     | 39.0  | 30.9  | 46.3  |

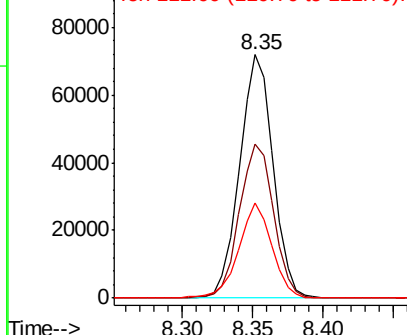
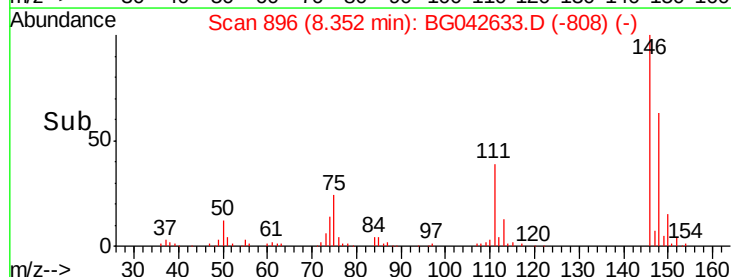


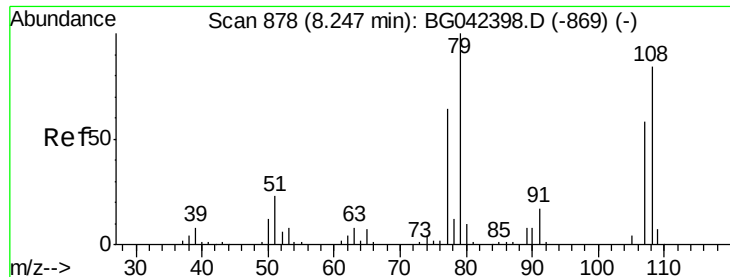
Abundance

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

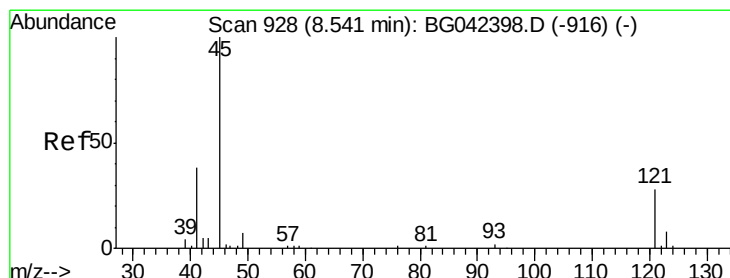
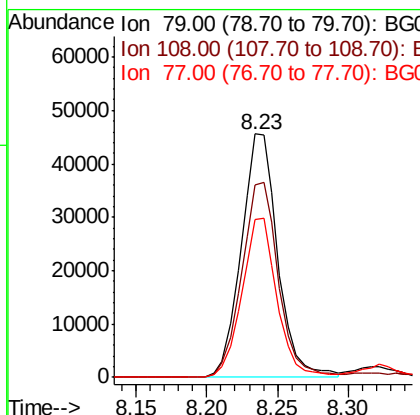
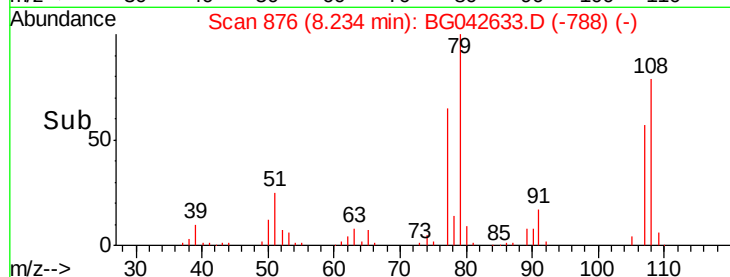
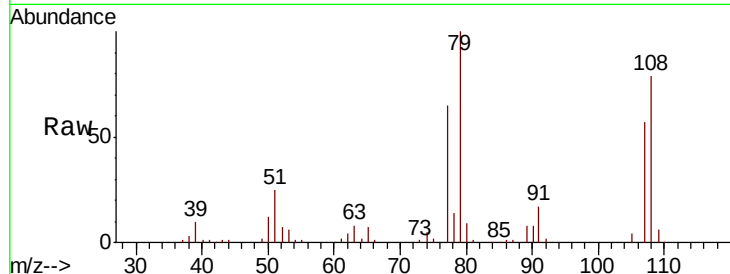




#15  
Benzyl Alcohol  
Concen: 44.712 ng  
RT: 8.23 min Scan# 876  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

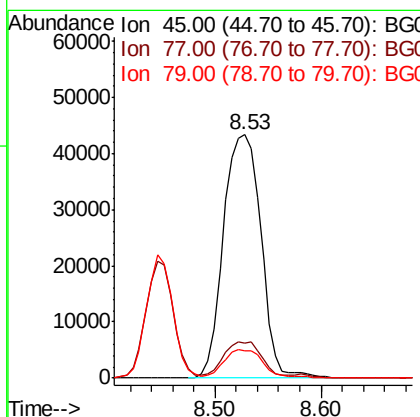
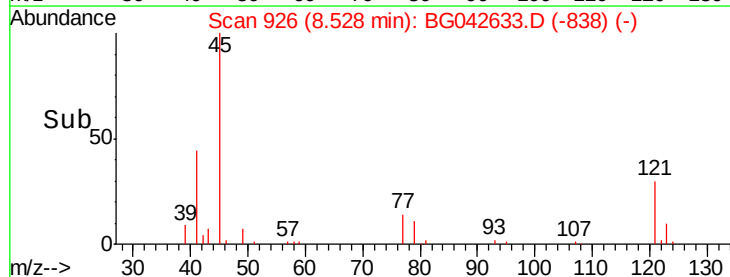
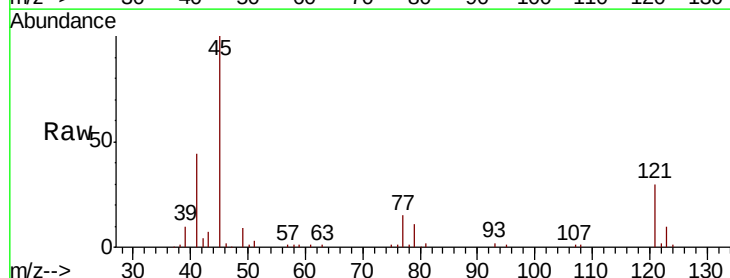
Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

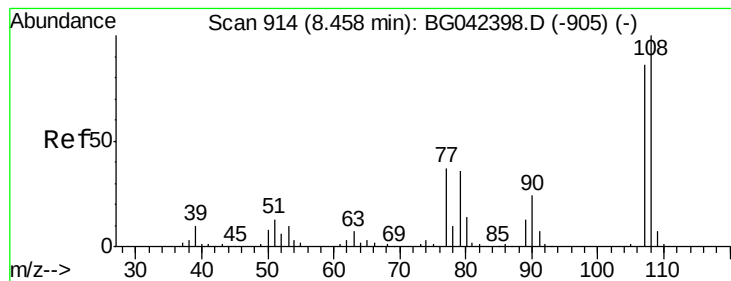
Tot Ion: 79 Resp: 82334  
Ion Ratio Lower Upper  
79 100  
108 79.1 67.4 101.2  
77 65.0 50.8 76.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.553 ng  
RT: 8.53 min Scan# 926  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion: 45 Resp: 106796  
Ion Ratio Lower Upper  
45 100  
77 14.5 0.0 35.6  
79 11.3 0.0 31.6

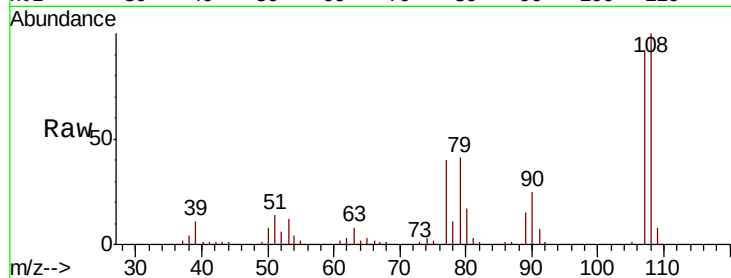




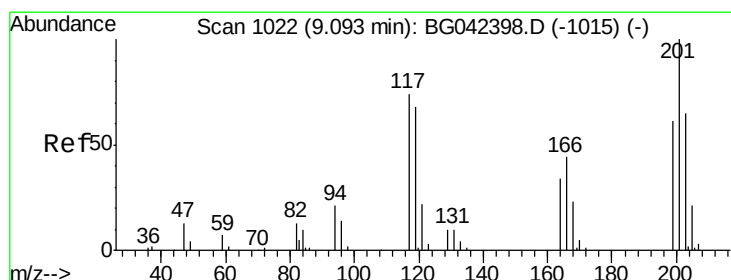
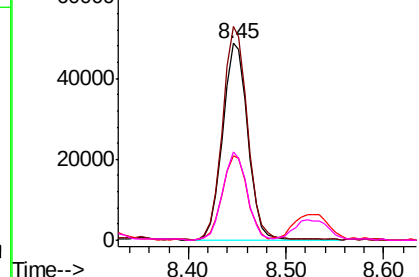
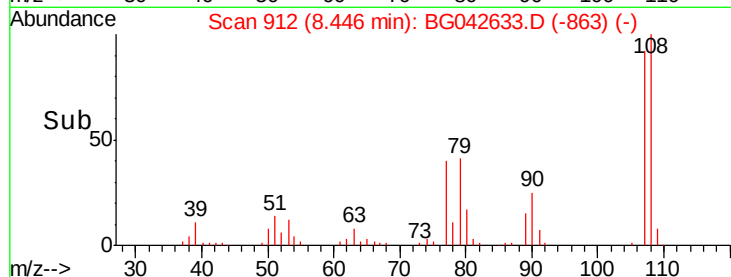
#17  
2-Methylphenol  
Concen: 45.370 ng  
RT: 8.45 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

Tot Ion:107 Resp: 86964  
Ion Ratio Lower Upper  
107 100  
108 108.4 92.9 139.3  
77 42.9 34.4 51.6  
79 44.9 33.8 50.6

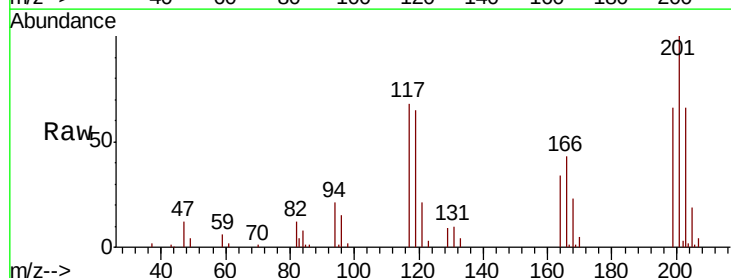


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

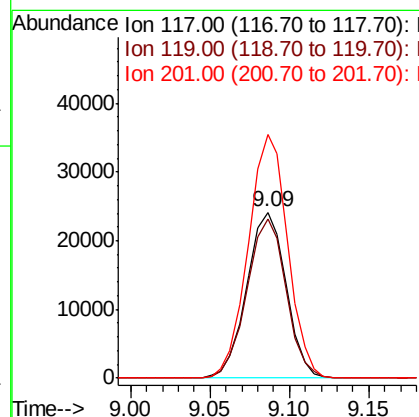
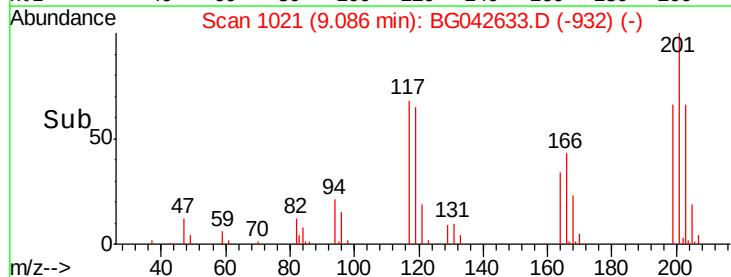


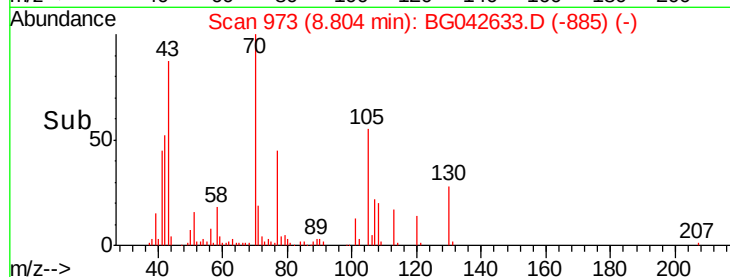
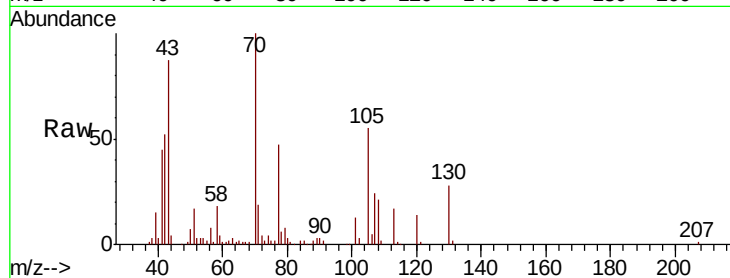
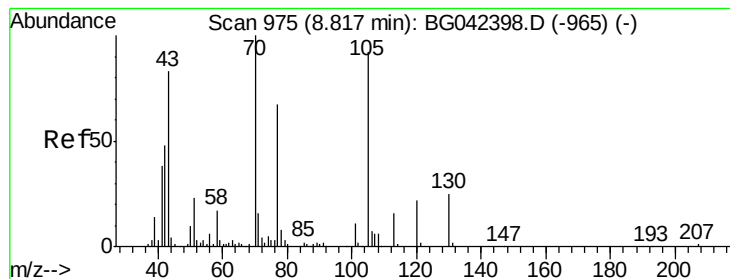
#18  
Hexachloroethane  
Concen: 40.946 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion:117 Resp: 41479  
Ion Ratio Lower Upper  
117 100  
119 96.0 73.8 110.8  
201 147.0 108.3 162.5



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: 40.340 ng

RT: 8.80 min Scan# 973

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

Tot Ion: 70 Resp: 66892

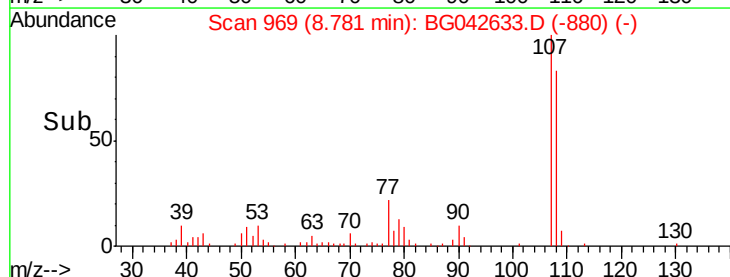
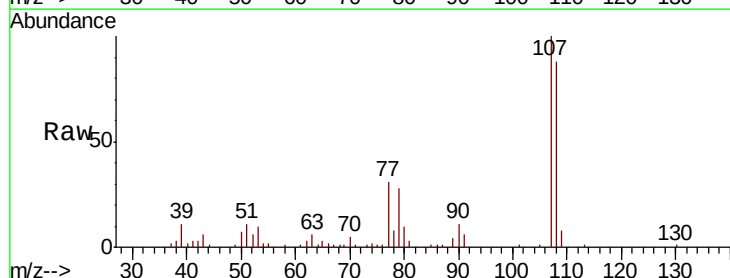
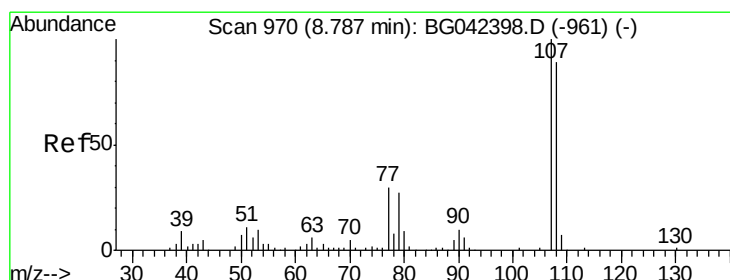
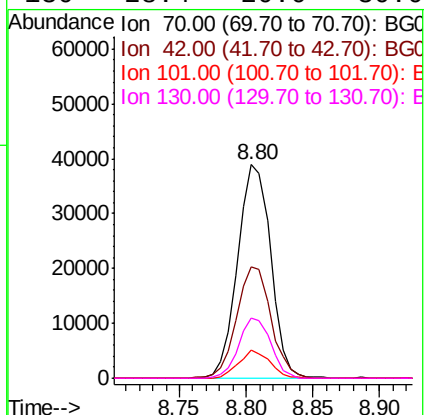
Ion Ratio Lower Upper

70 100

42 52.2 38.8 58.2

101 13.5 9.0 13.6

130 28.4 20.0 30.0



#20

3+4-Methylphenols

Concen: 43.437 ng

RT: 8.78 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Tgt Ion: 107 Resp: 115210

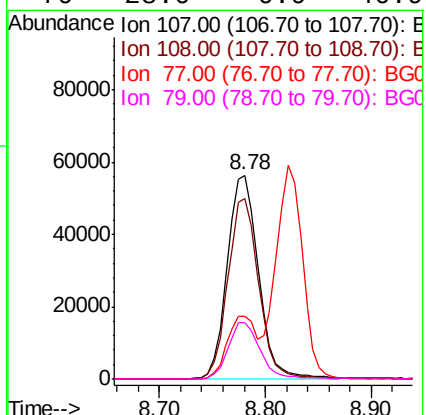
Ion Ratio Lower Upper

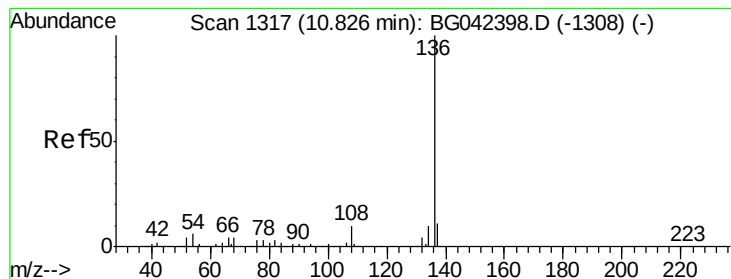
107 100

108 88.4 68.7 108.7

77 30.7 10.2 50.2

79 28.0 6.9 46.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

Tot Ion:136 Resp: 140272

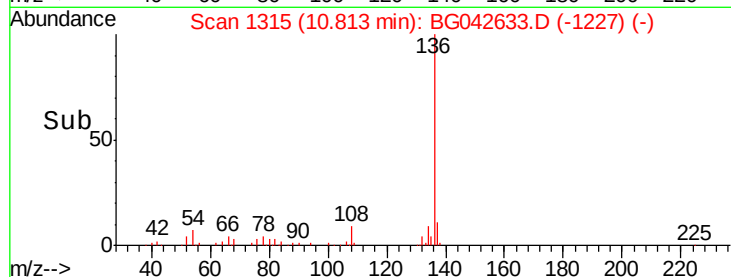
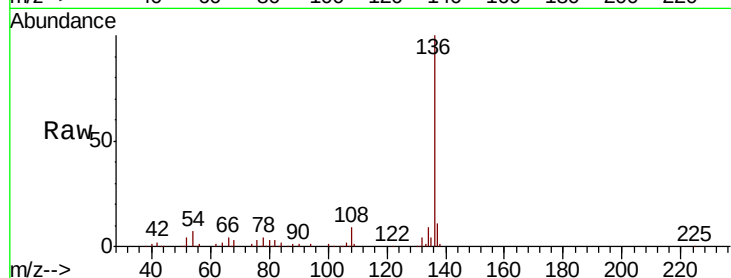
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.6 4.9 7.3

68 3.4 3.6 5.4#

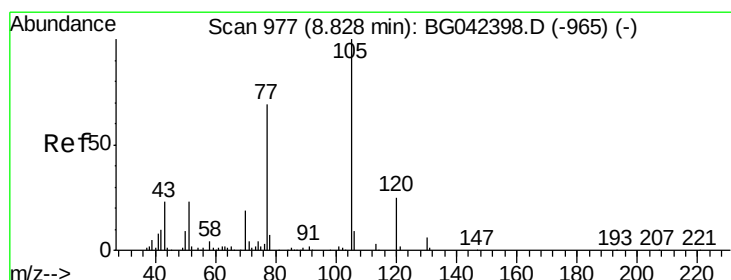
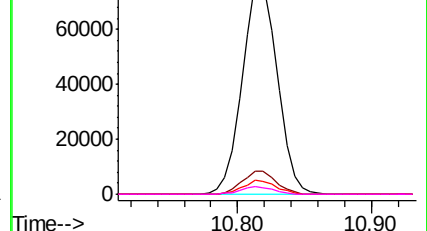


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 49.149 ng

RT: 8.82 min Scan# 976

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Tgt Ion:105 Resp: 147455

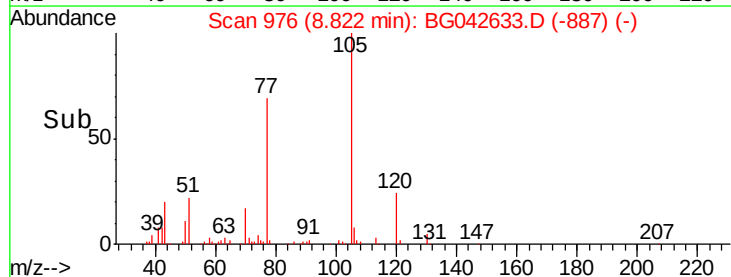
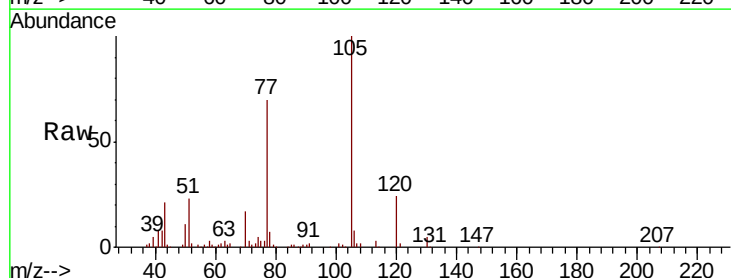
Ion Ratio Lower Upper

105 100

71 3.0 2.8 4.2

51 23.0 18.7 28.1

120 24.5 20.1 30.1

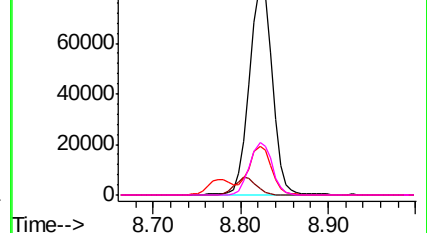


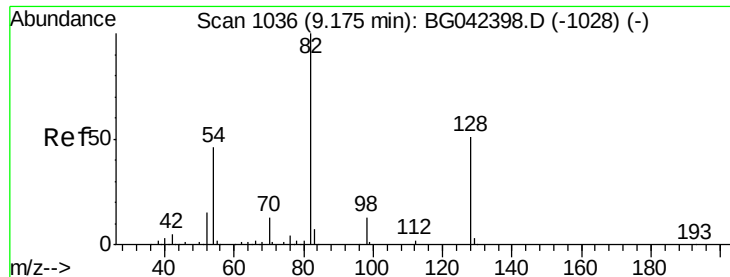
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

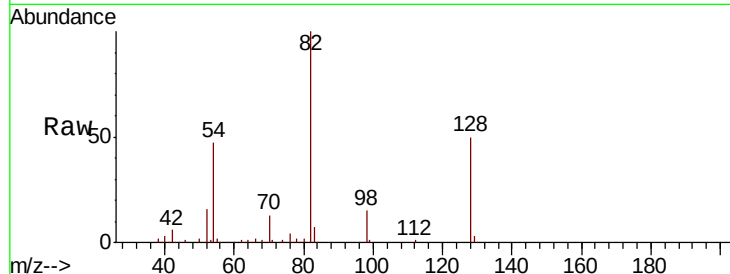




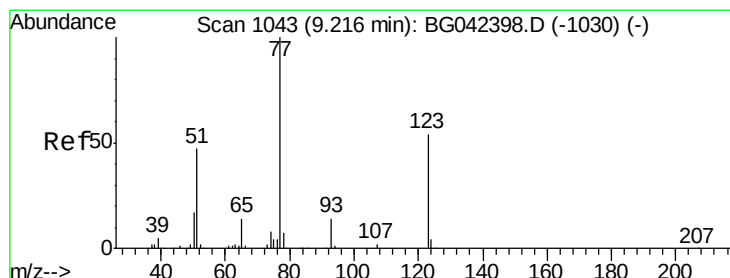
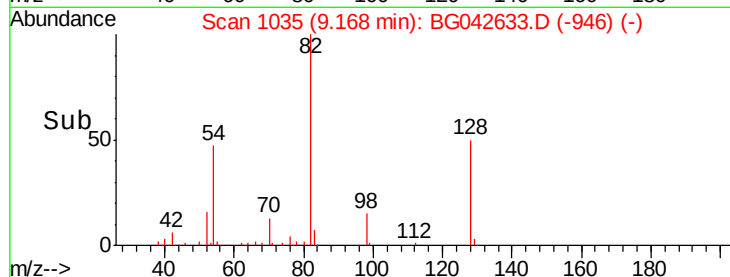
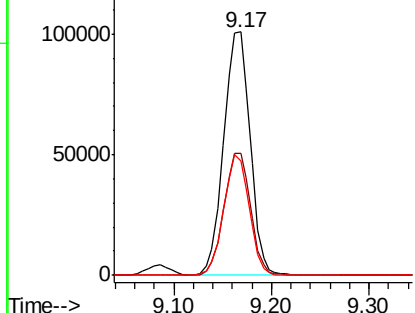
#23  
 Nitrobenzene-d5  
 Concen: 93.563 ng  
 RT: 9.17 min Scan# 1035  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SB-02-30-32MSD

| Tot Ion   | 82    | Resp  | 189920 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 50.1  | 40.7  | 61.1   |
| 54        | 46.9  | 36.3  | 54.5   |

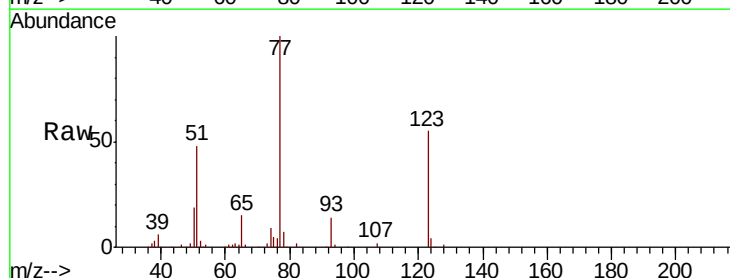


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

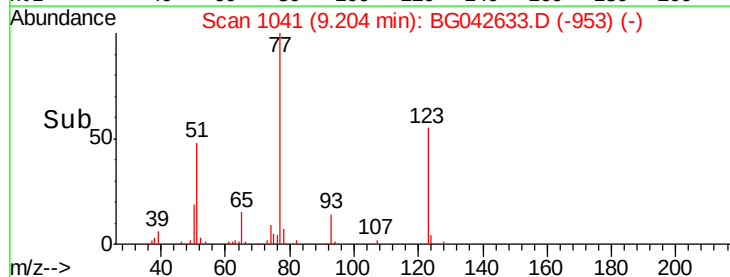
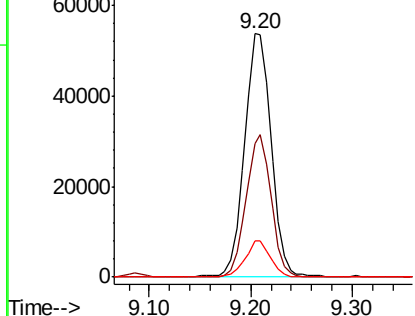


#24  
 Nitrobenzene  
 Concen: 47.765 ng  
 RT: 9.20 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

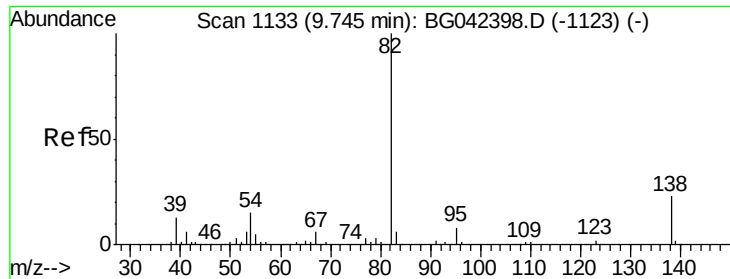
| Tgt Ion   | 77    | Resp  | 98182 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 54.8  | 43.4  | 65.0  |
| 65        | 15.1  | 11.0  | 16.6  |



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







#25

Isophorone

Concen: 46.483 ng

RT: 9.73 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

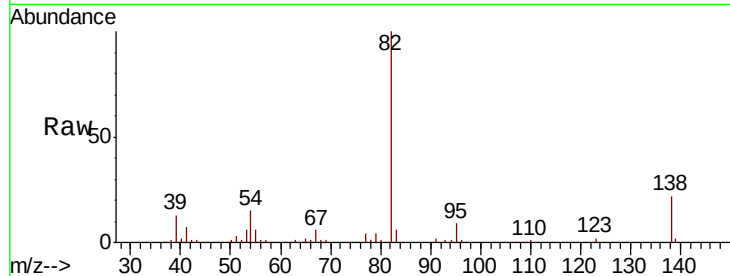
Tot Ion: 82 Resp: 186212

Ion Ratio Lower Upper

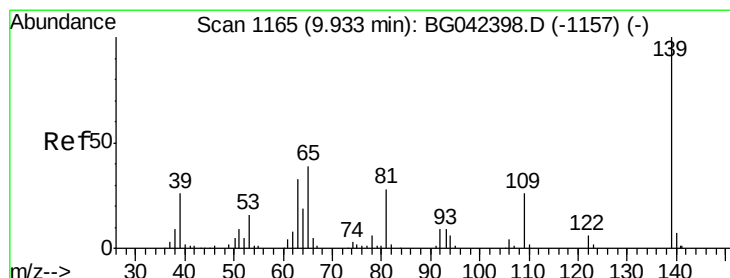
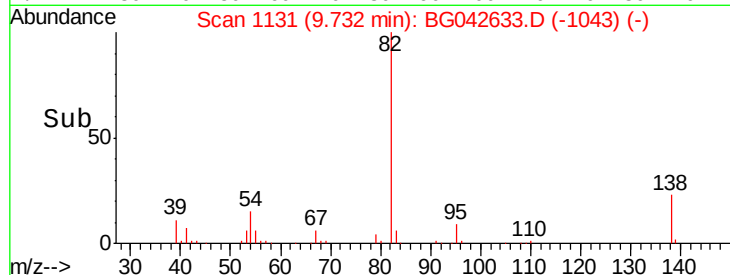
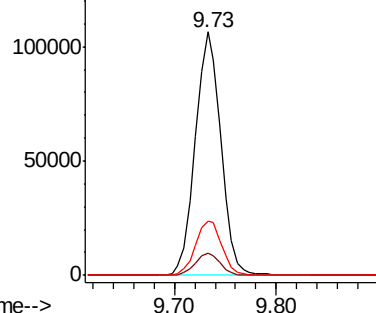
82 100

95 8.9 6.6 9.8

138 22.5 18.6 27.8



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 50.709 ng

RT: 9.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

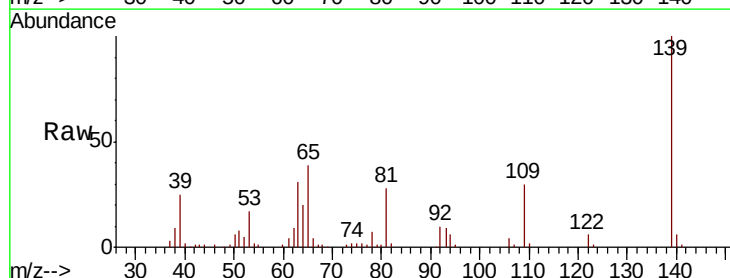
Tgt Ion: 139 Resp: 65320

Ion Ratio Lower Upper

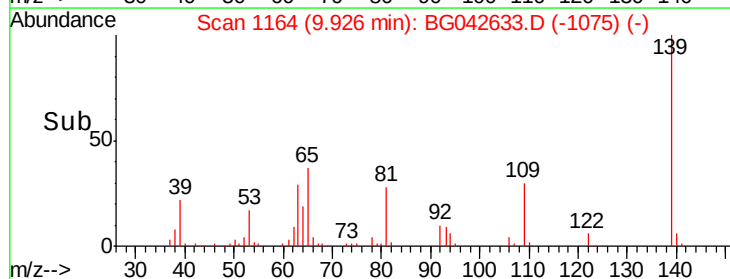
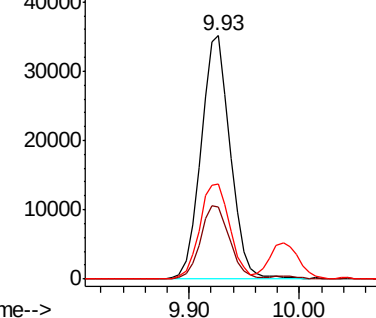
139 100

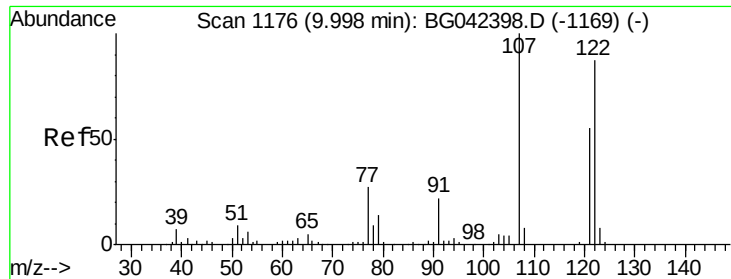
109 29.5 20.5 30.7

65 38.9 30.9 46.3



Abundance Ion 139.00 (138.70 to 139.70): BGC  
Ion 109.00 (108.70 to 109.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC

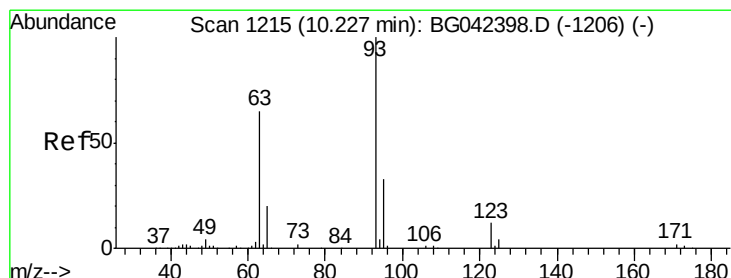
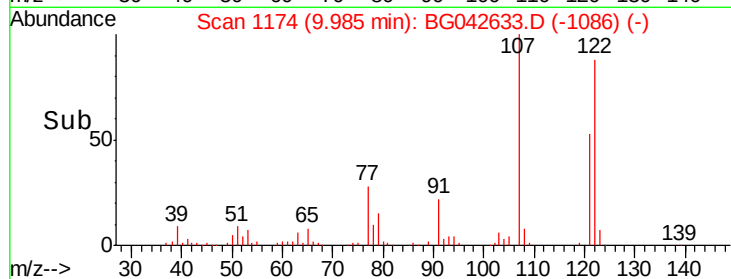
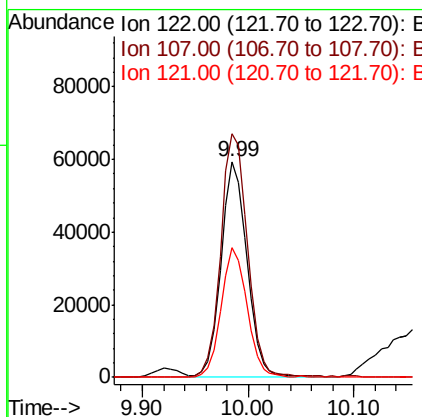
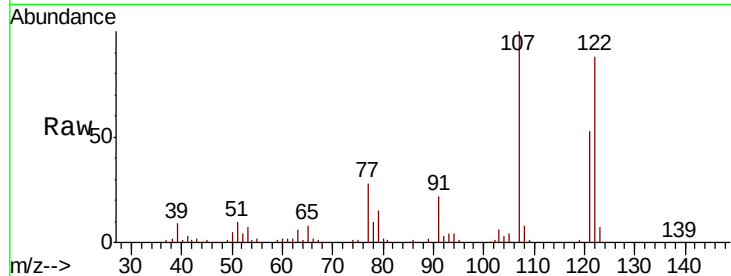




#27  
2,4-Dimethylphenol  
Concen: 56.566 ng  
RT: 9.99 min Scan# 1174  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

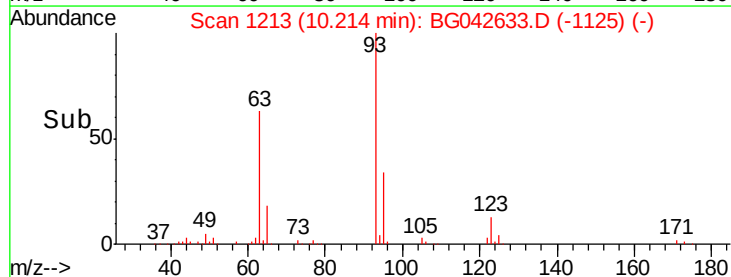
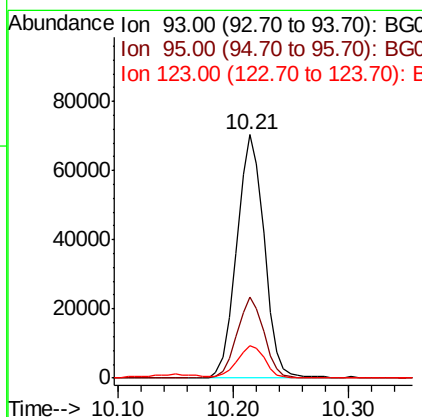
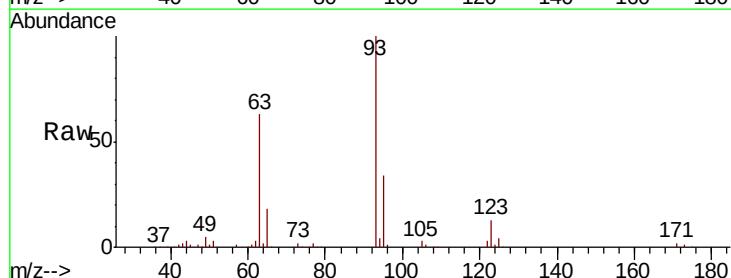
Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

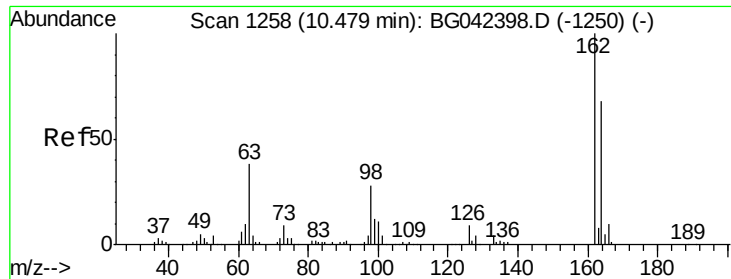
Tot Ion:122 Resp: 100371  
Ion Ratio Lower Upper  
122 100  
107 113.0 90.8 136.2  
121 60.0 49.6 74.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.896 ng  
RT: 10.21 min Scan# 1213  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion: 93 Resp: 115882  
Ion Ratio Lower Upper  
93 100  
95 33.5 26.6 40.0  
123 13.4 10.1 15.1

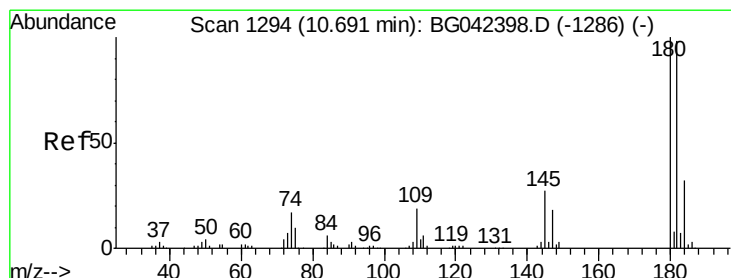
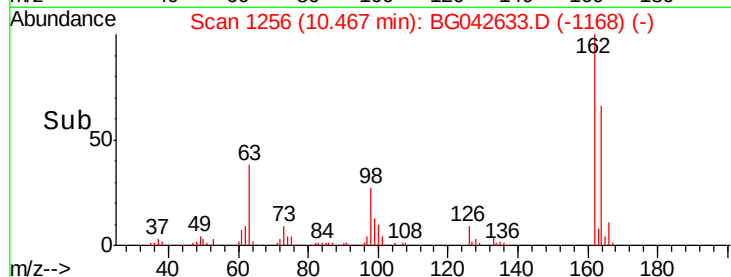
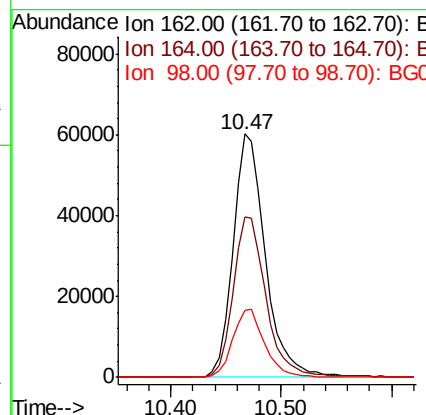
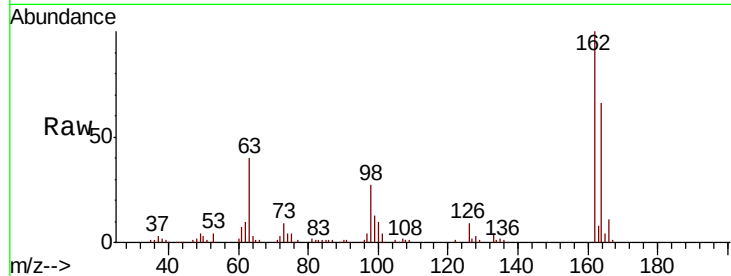




#29  
 2,4-Dichlorophenol  
 Concen: 52.957 ng  
 RT: 10.47 min Scan# 1256  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

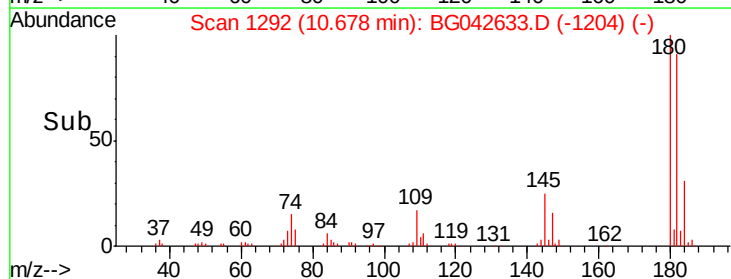
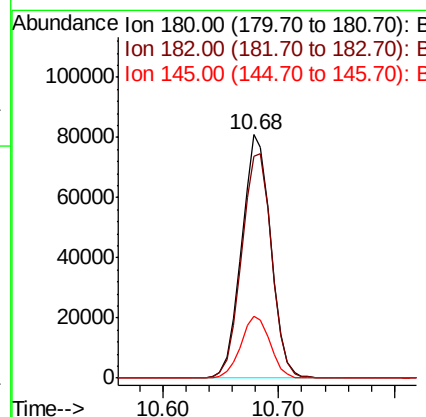
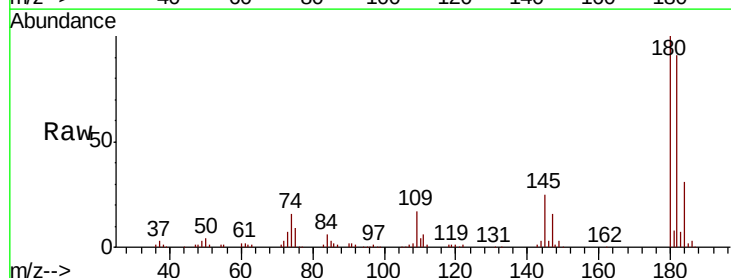
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

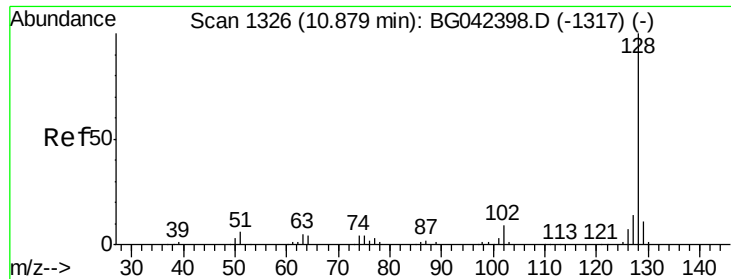
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.0  | 48.1  | 88.1  |
| 98      | 27.4  | 7.6   | 47.6  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 49.674 ng  
 RT: 10.68 min Scan# 1292  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.2  | 78.7  | 118.1 |
| 145     | 25.3  | 21.6  | 32.4  |

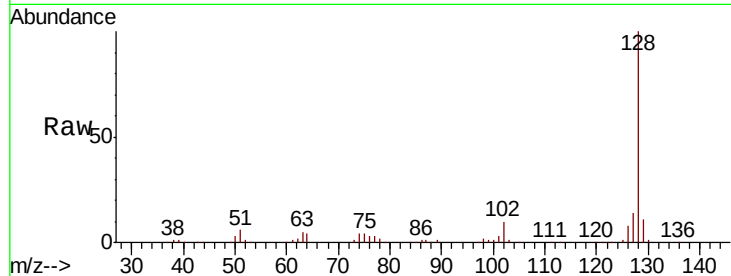




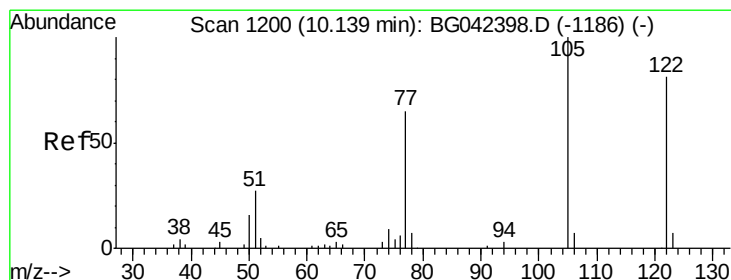
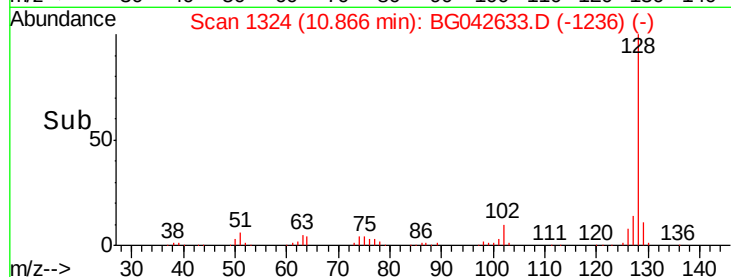
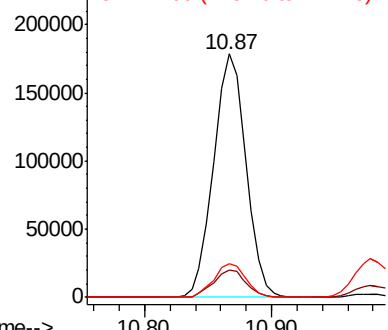
#31  
Naphthalene  
Concen: 48.729 ng  
RT: 10.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

Tot Ion:128 Resp: 317346  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.9 11.4 17.0

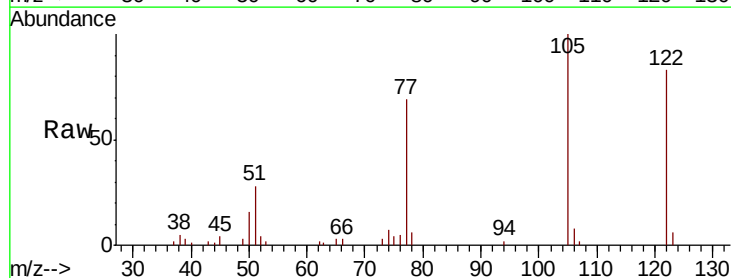


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

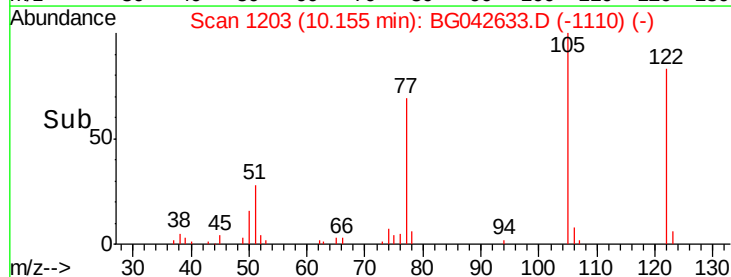
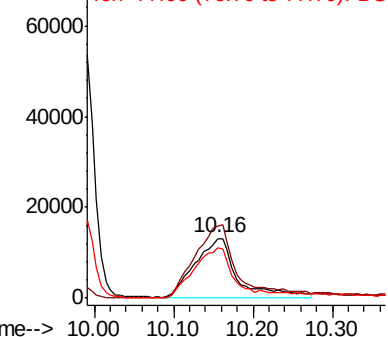


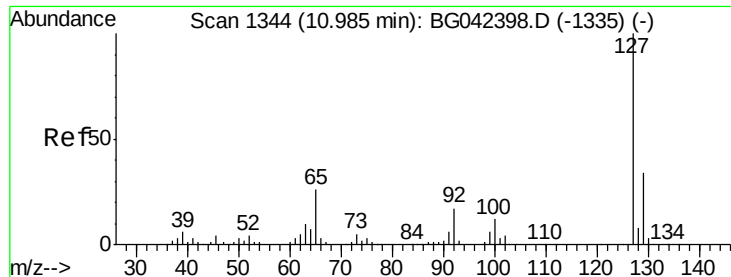
#32  
Benzoic acid  
Concen: 38.761 ng  
RT: 10.16 min Scan# 1203  
Delta R.T. 0.02 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion:122 Resp: 47475  
Ion Ratio Lower Upper  
122 100  
105 120.9 99.6 139.6  
77 83.5 59.5 99.5



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

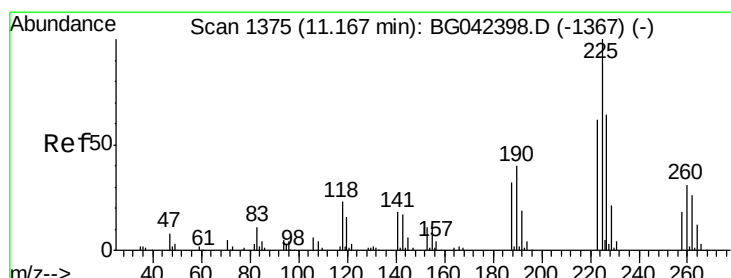
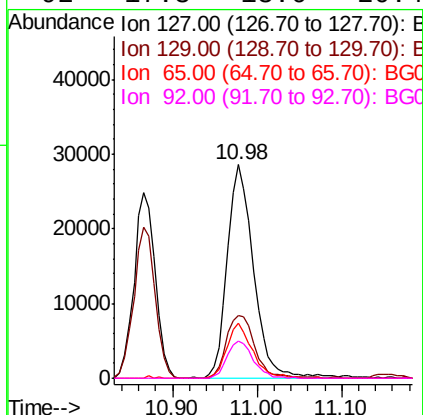
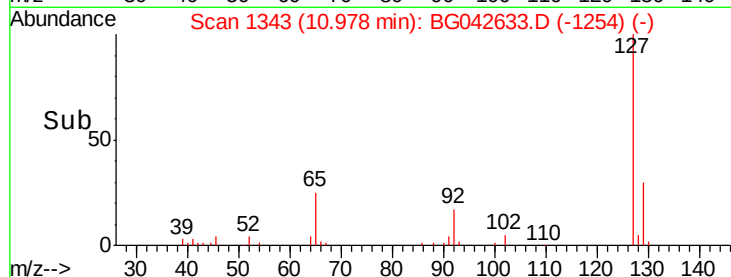
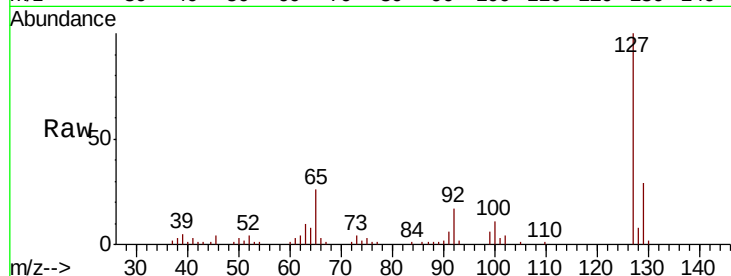




#33  
4-Chloroaniline  
Concen: 20.415 ng  
RT: 10.98 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

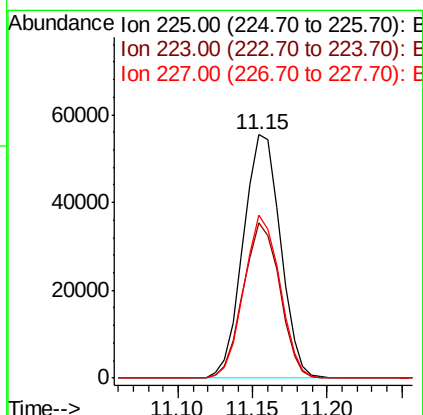
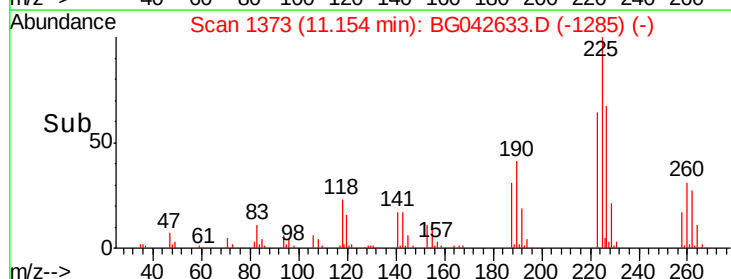
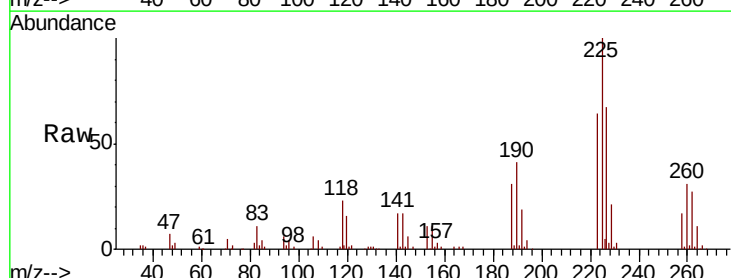
Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

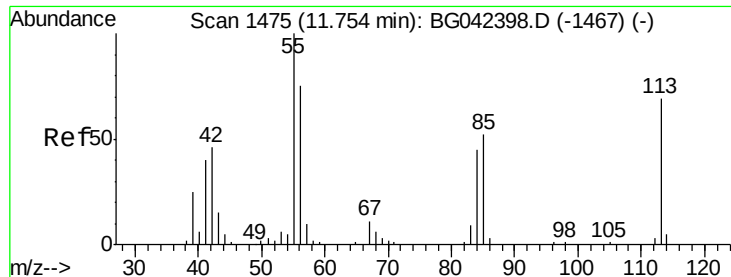
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 61375 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 29.4  | 26.8  | 40.2  |
| 65       | 26.0  | 20.7  | 31.1  |
| 92       | 17.3  | 13.6  | 20.4  |



#34  
Hexachlorobutadiene  
Concen: 50.053 ng  
RT: 11.15 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 95855 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.6  | 49.8  | 74.6  |
| 227      | 67.0  | 50.9  | 76.3  |





#35

Caprolactam

Concen: 45.795 ng/mL

RT: 11.76 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

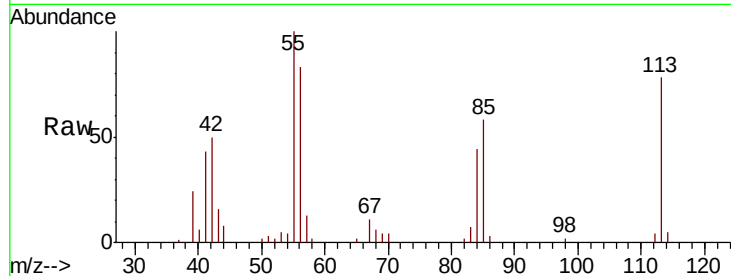
Tot Ion:113 Resp: 35475

Ion Ratio Lower Upper

113 100

55 128.9 124.6 164.6

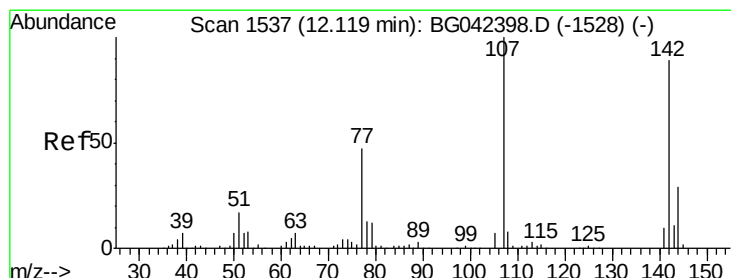
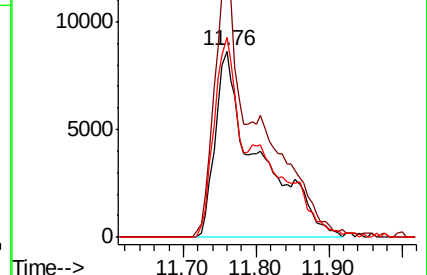
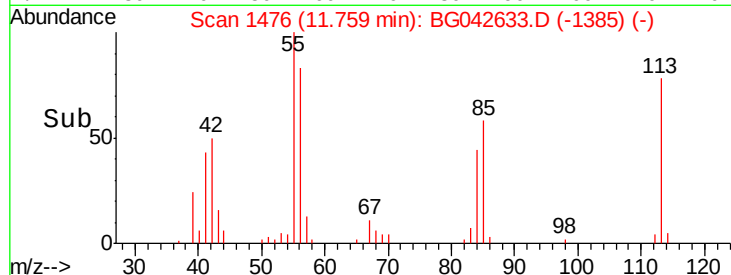
56 107.6 88.3 128.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 49.999 ng/mL

RT: 12.11 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

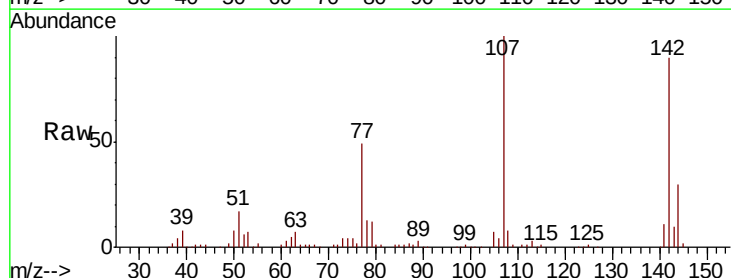
Tgt Ion:107 Resp: 110190

Ion Ratio Lower Upper

107 100

144 29.9 23.6 35.4

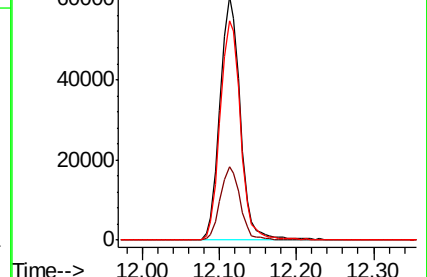
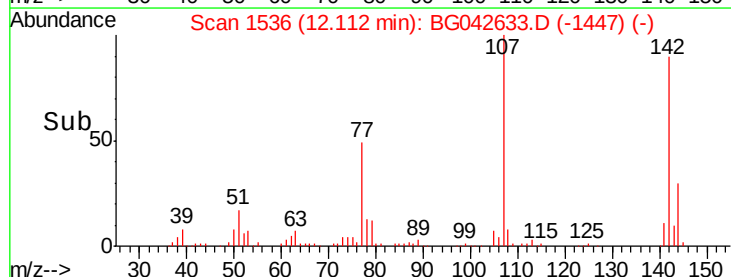
142 90.3 71.0 106.4

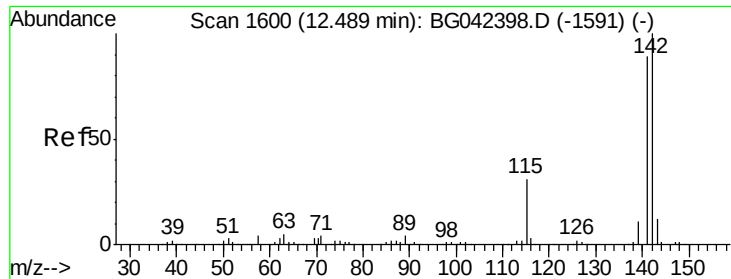


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

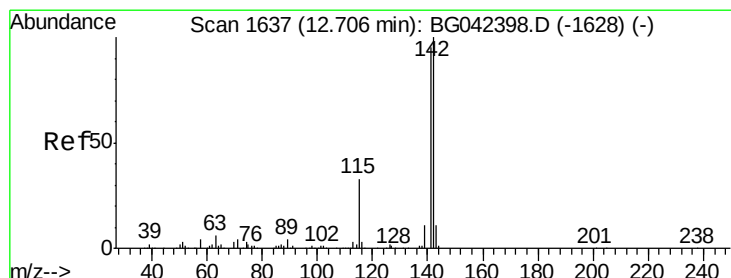
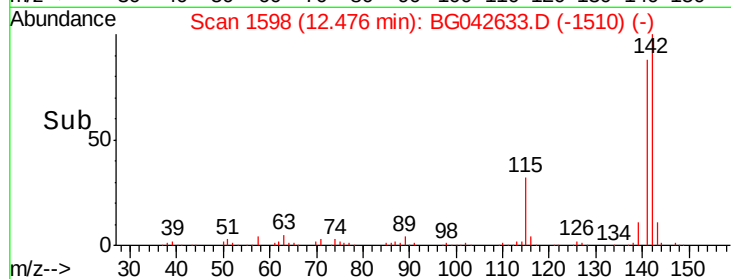
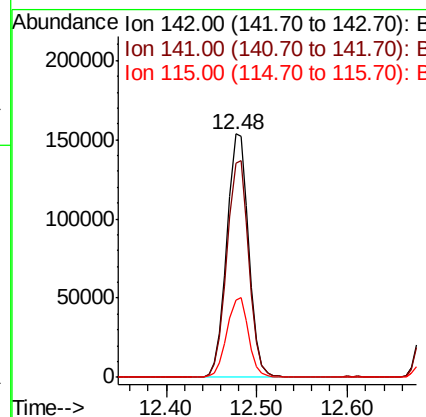
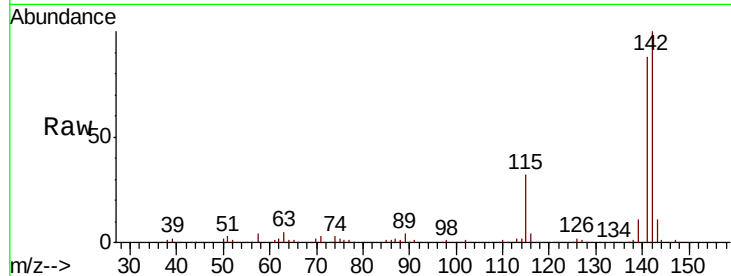




#37  
2-Methylnaphthalene  
Concen: 49.191 ng  
RT: 12.48 min Scan# 1598  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

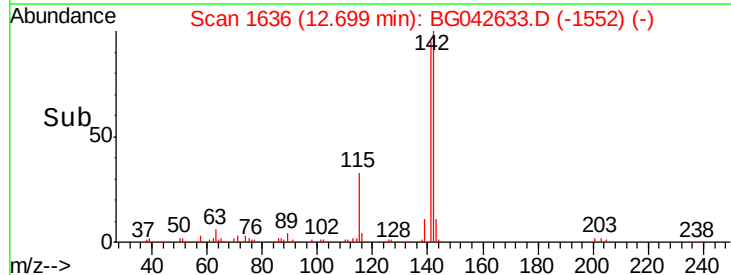
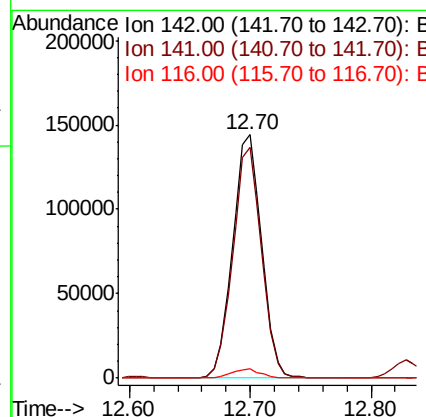
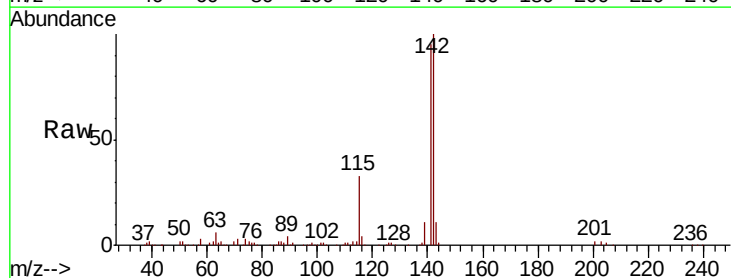
Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

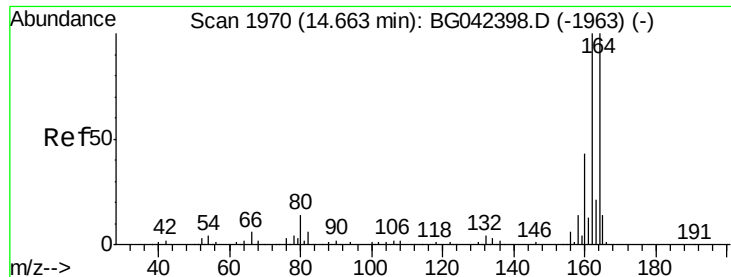
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.8  | 71.4  | 107.2 |
| 115     | 31.7  | 25.2  | 37.8  |



#38  
1-Methylnaphthalene  
Concen: 48.505 ng  
RT: 12.70 min Scan# 1636  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.7  | 76.2  | 114.2 |
| 116     | 3.8   | 2.8   | 4.2   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

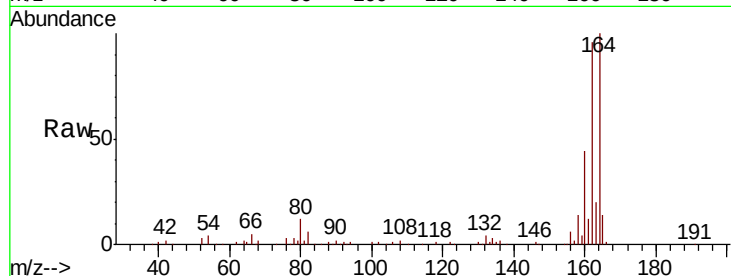
Tot Ion:164 Resp: 101206

Ion Ratio Lower Upper

164 100

162 95.5 79.9 119.9

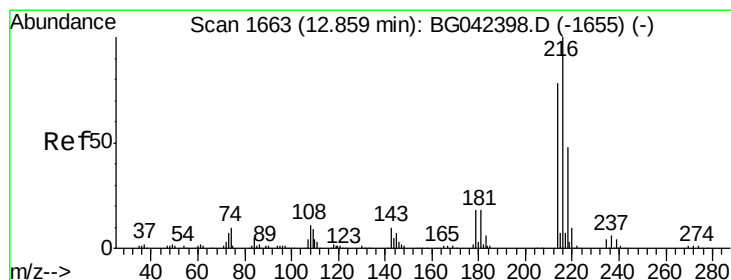
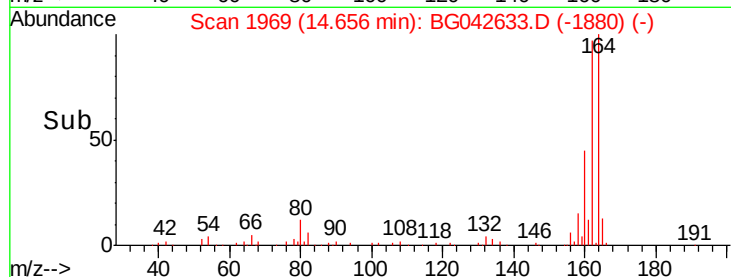
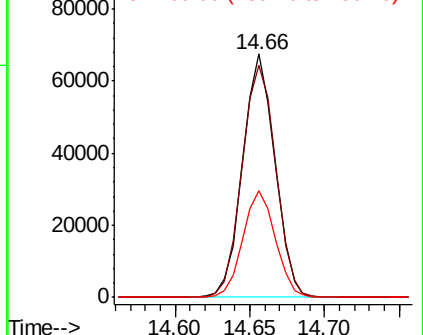
160 43.8 34.3 51.5



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: 54.254 ng

RT: 12.85 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Tgt Ion:216 Resp: 176331

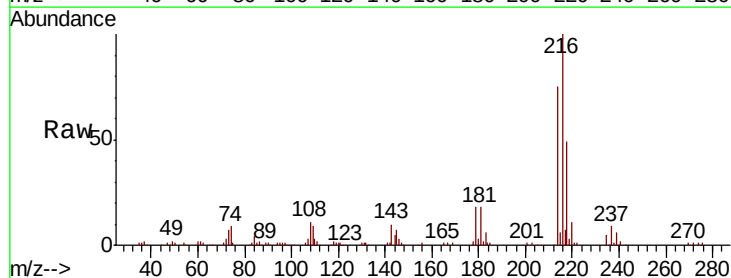
Ion Ratio Lower Upper

216 100

214 77.0 61.4 92.2

179 18.4 15.1 22.7

108 12.4 9.4 14.0

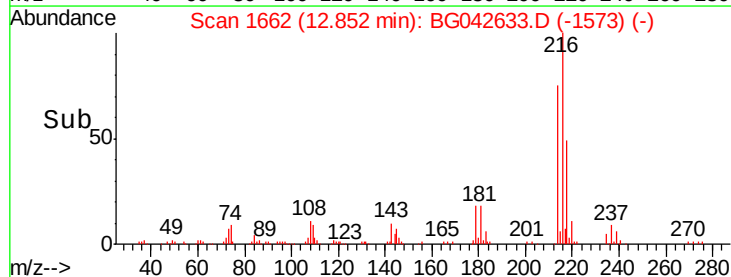
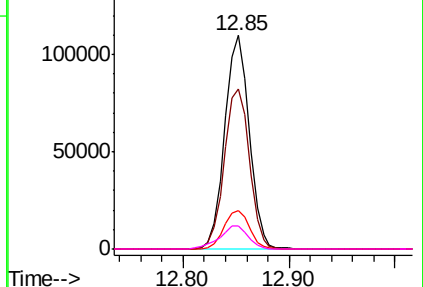


Abundance Ion 216.00 (215.70 to 216.70): E

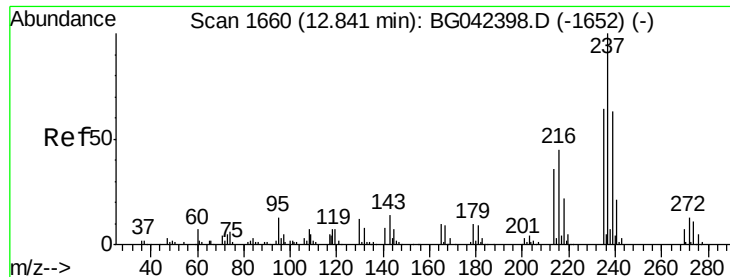
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



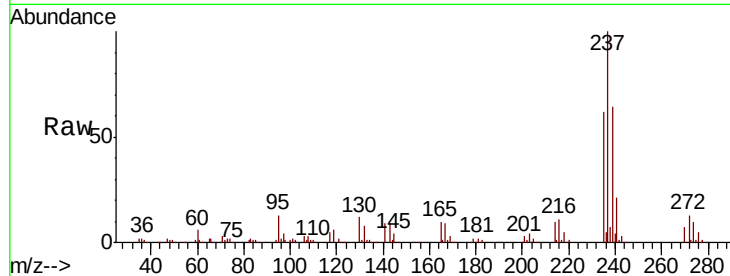




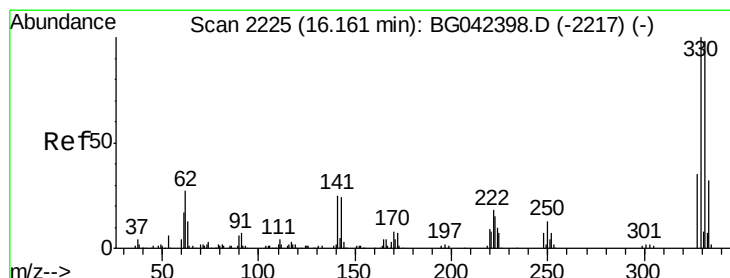
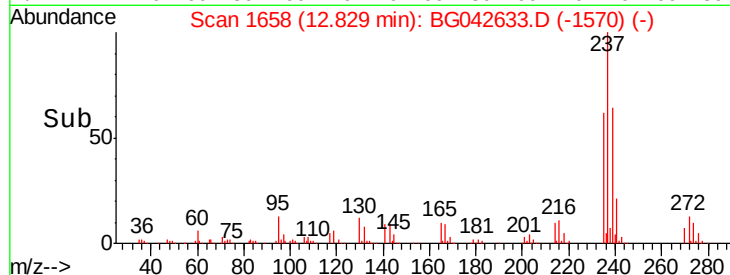
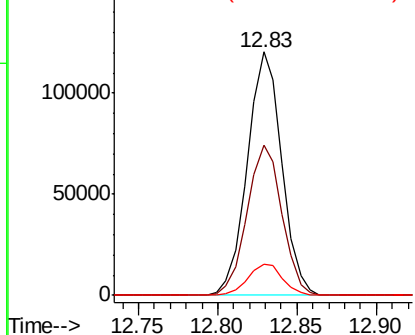
#41  
Hexachlorocyclopentadiene  
Concen: 106.290 ng  
RT: 12.83 min Scan# 1658  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

Tot Ion:237 Resp: 181462  
Ion Ratio Lower Upper  
237 100  
235 61.5 43.7 83.7  
272 12.9 0.0 33.3

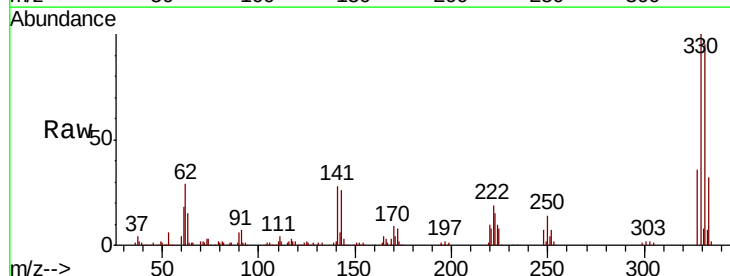


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

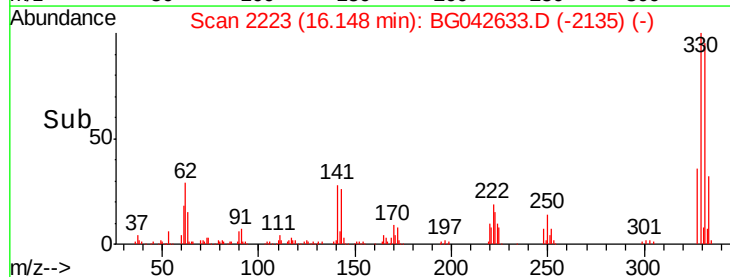
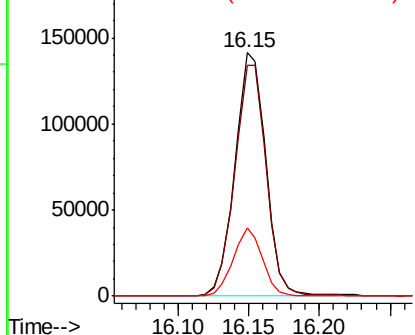


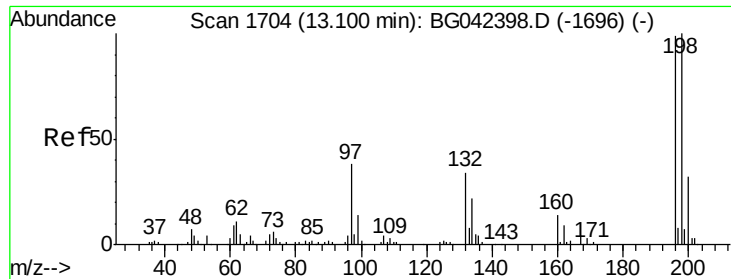
#42  
2,4,6-Tribromophenol  
Concen: 149.512 ng  
RT: 16.15 min Scan# 2223  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion:330 Resp: 215069  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.4 116.0  
141 26.5 21.4 32.0



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

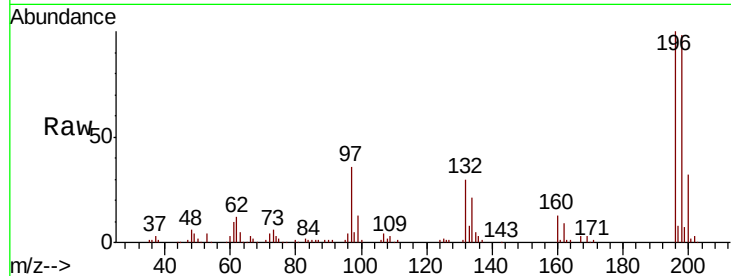




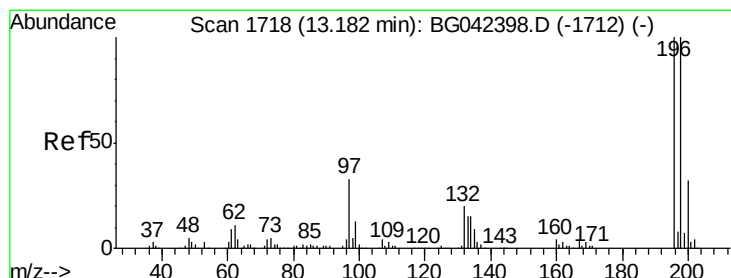
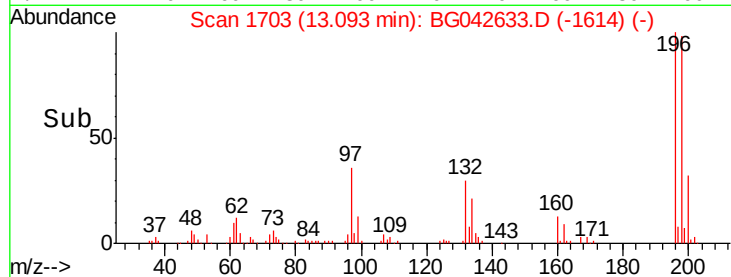
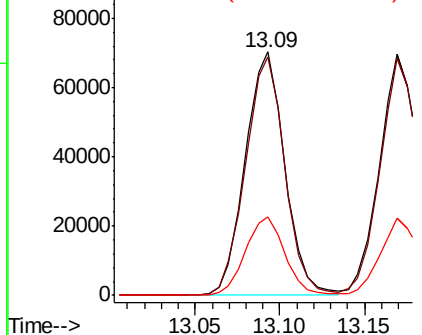
#43  
 2,4,6-Trichlorophenol  
 Concen: 51.979 ng  
 RT: 13.09 min Scan# 1703  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 114190 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 98.2  | 80.7  | 121.1  |
| 200      | 32.1  | 25.7  | 38.5   |

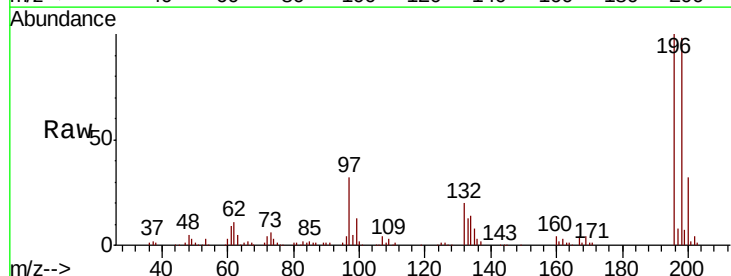


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

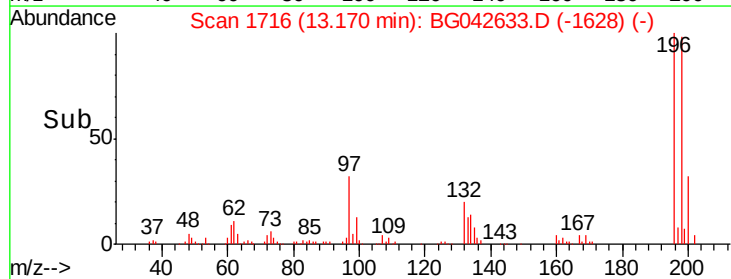
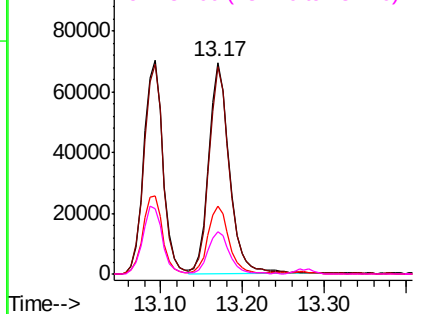


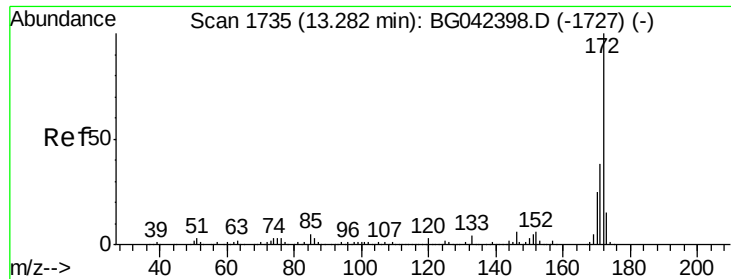
#44  
 2,4,5-Trichlorophenol  
 Concen: 53.838 ng  
 RT: 13.17 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 196   | Resp: | 122565 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 98.3  | 80.2  | 120.4  |
| 97       | 32.4  | 26.3  | 39.5   |
| 132      | 19.8  | 16.6  | 24.8   |



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

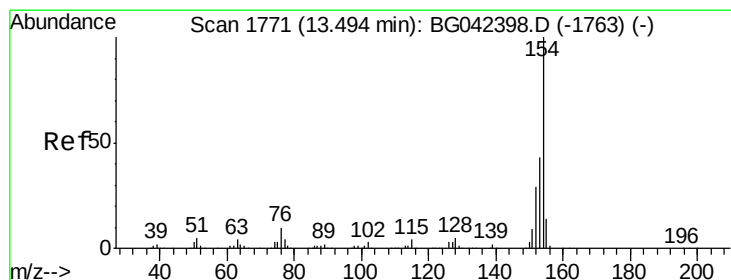
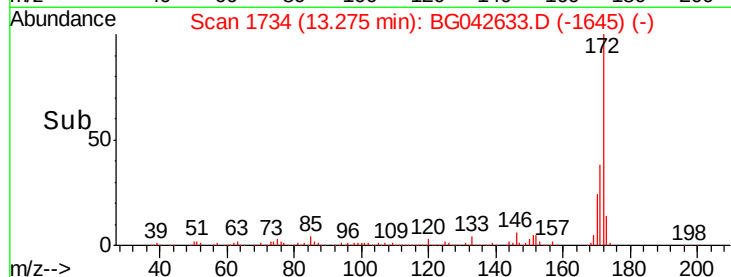
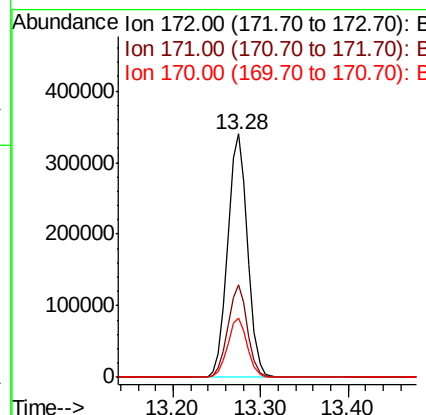
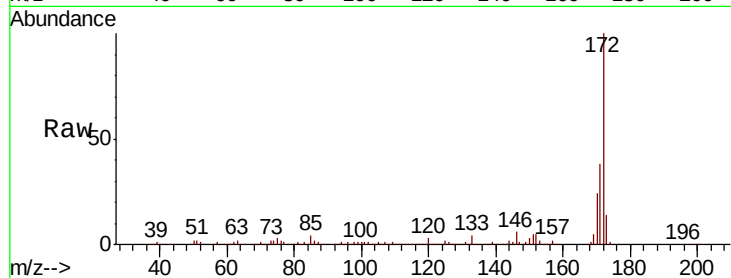




#45  
 2-Fluorobiphenyl  
 Concen: 88.961 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

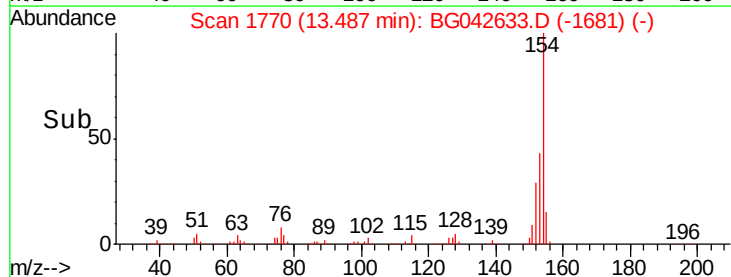
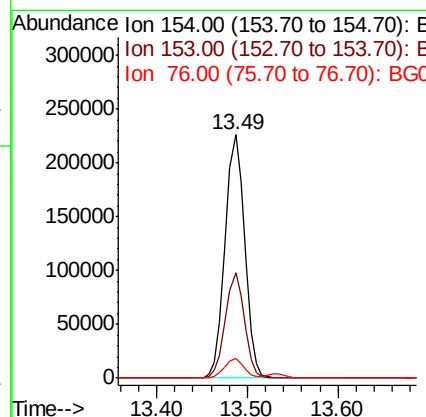
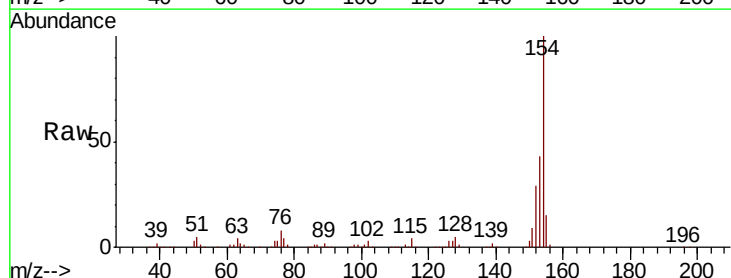
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

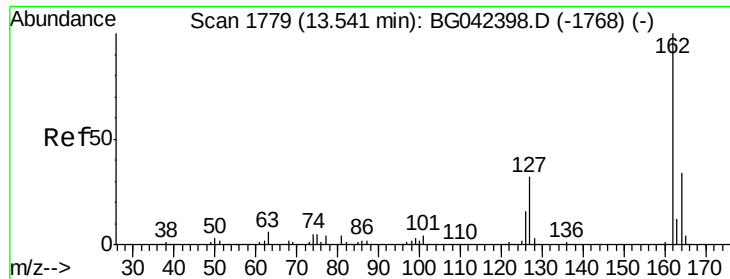
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 30.5  | 45.7  |
| 170     | 24.4  | 20.2  | 30.2  |



#46  
 1,1'-Biphenyl  
 Concen: 51.729 ng  
 RT: 13.49 min Scan# 1770  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.1  | 23.0  | 63.0  |
| 76      | 8.3   | 0.0   | 29.6  |





#47

2-Chloronaphthalene

Concen: 49.494 ng

RT: 13.53 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

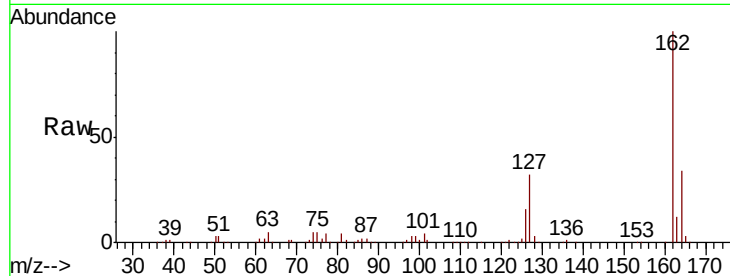
Tot Ion:162 Resp: 279193

Ion Ratio Lower Upper

162 100

127 32.5 26.0 39.0

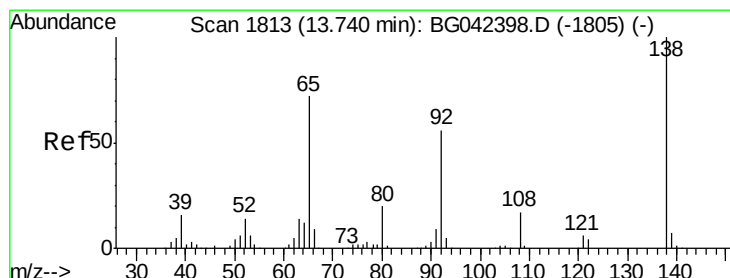
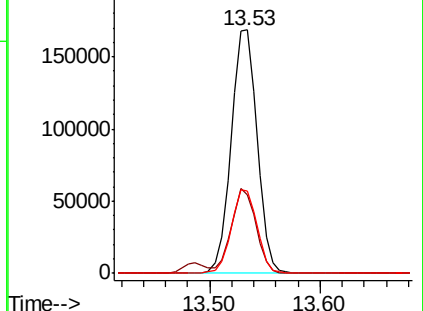
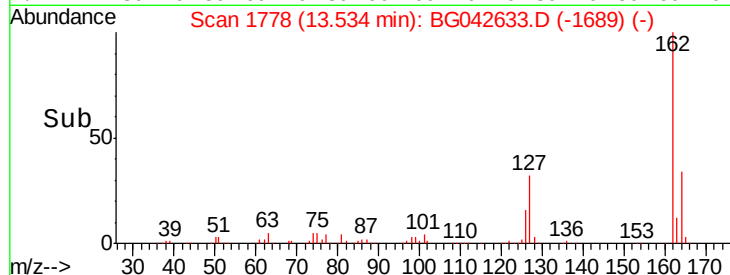
164 33.8 27.4 41.0



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: 45.162 ng

RT: 13.73 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

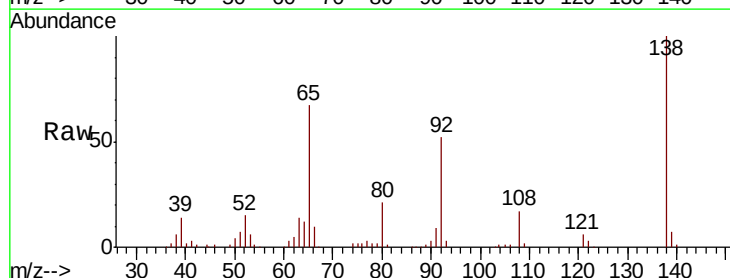
Tgt Ion: 65 Resp: 61433

Ion Ratio Lower Upper

65 100

92 77.7 61.8 92.6

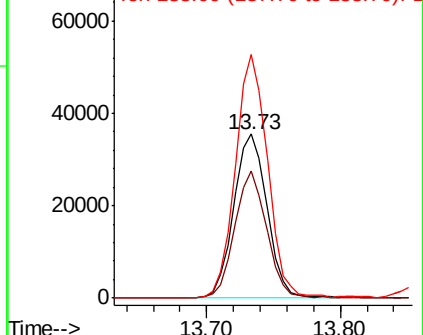
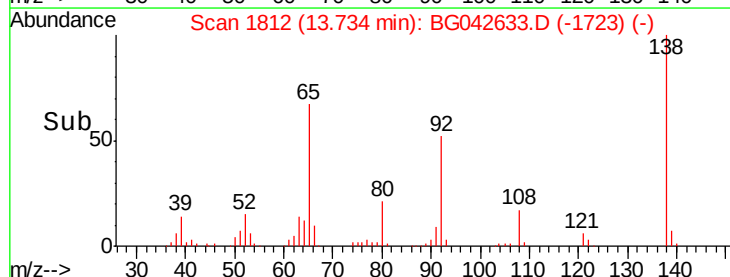
138 148.8 111.0 166.6

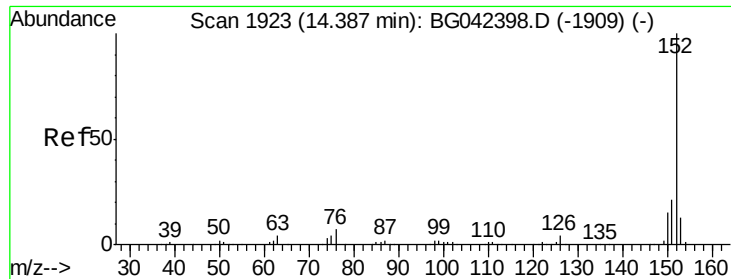


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 51.194 ng

RT: 14.38 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

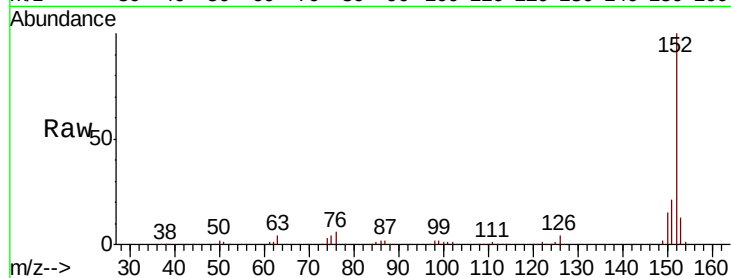
Tot Ion:152 Resp: 434468

Ion Ratio Lower Upper

152 100

151 21.5 17.0 25.4

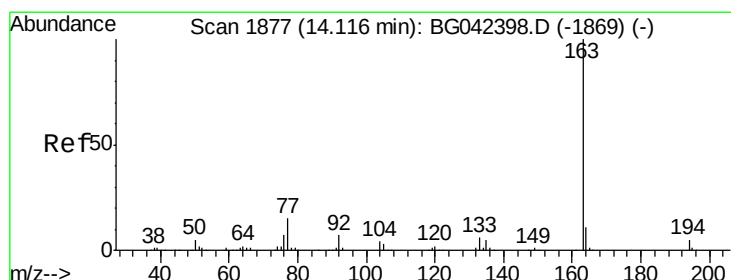
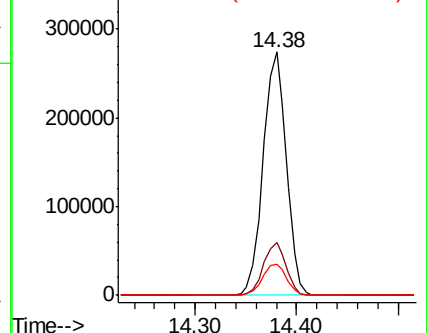
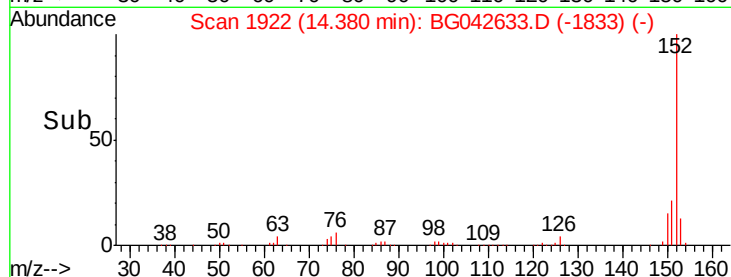
153 13.1 10.6 16.0



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: 63.491 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

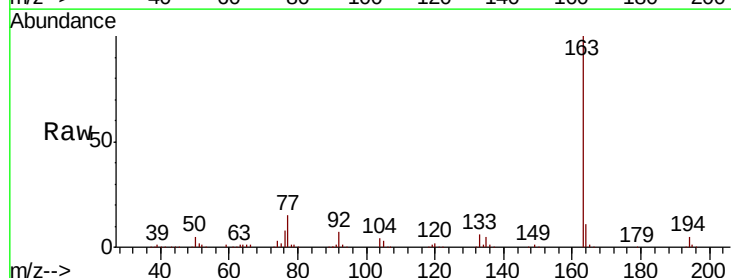
Tgt Ion:163 Resp: 463638

Ion Ratio Lower Upper

163 100

194 5.4 4.2 6.2

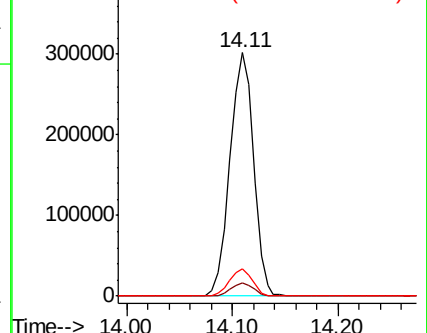
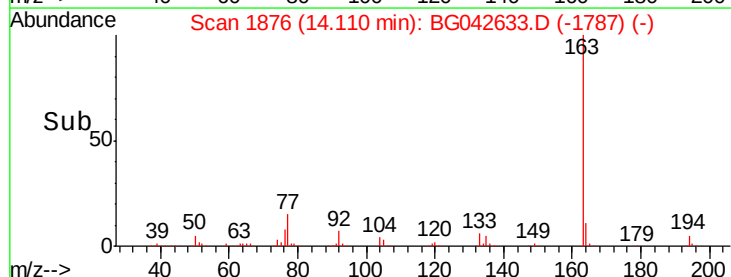
164 11.1 8.8 13.2

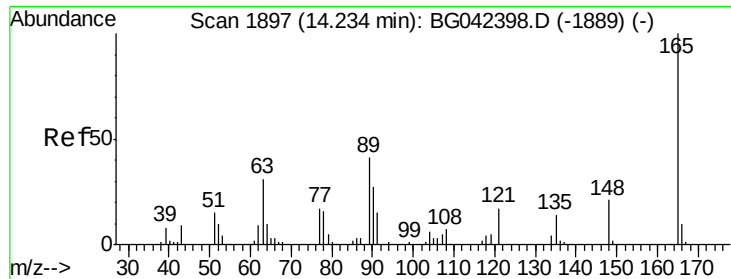


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

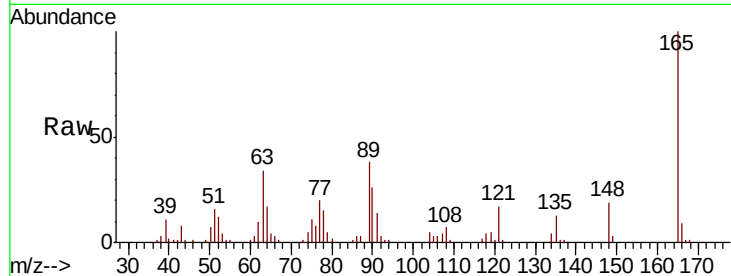




#51  
 2,6-Dinitrotoluene  
 Concen: 50.551 ng  
 RT: 14.23 min Scan# 1896  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 34.5  | 30.6  | 45.8  |
| 89      | 37.9  | 32.6  | 49.0  |

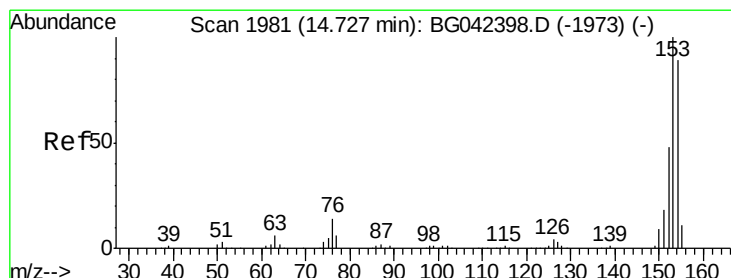
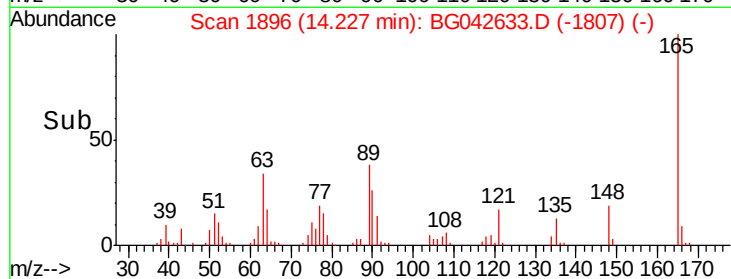
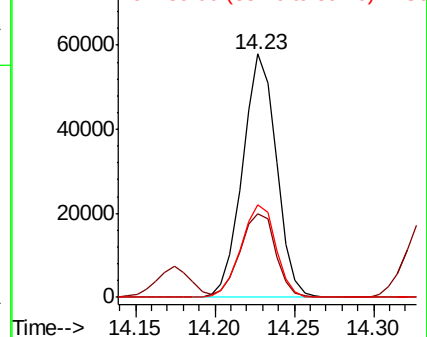


Abundance

Ion 165.00 (164.70 to 165.70): E

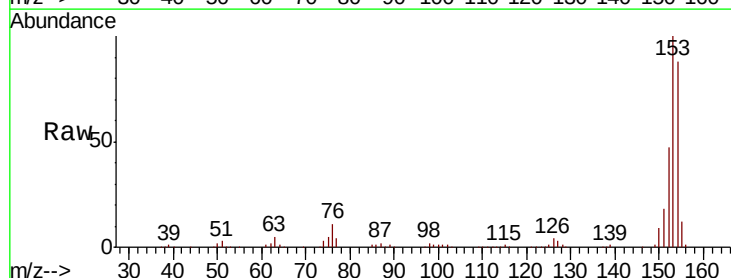
Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52  
 Acenaphthene  
 Concen: 49.388 ng  
 RT: 14.72 min Scan# 1980  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.3 | 90.2  | 135.4 |
| 152     | 52.8  | 43.2  | 64.8  |

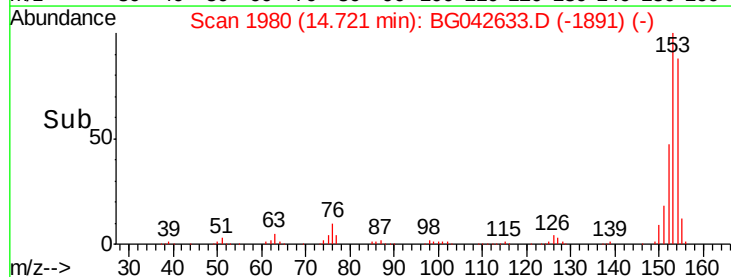
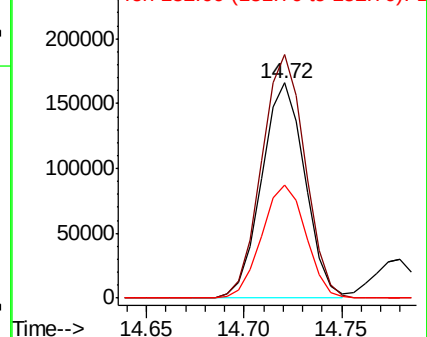


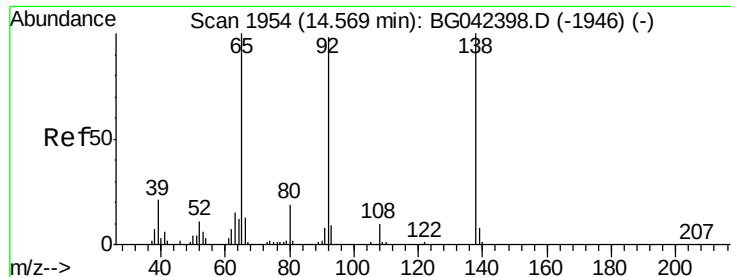
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

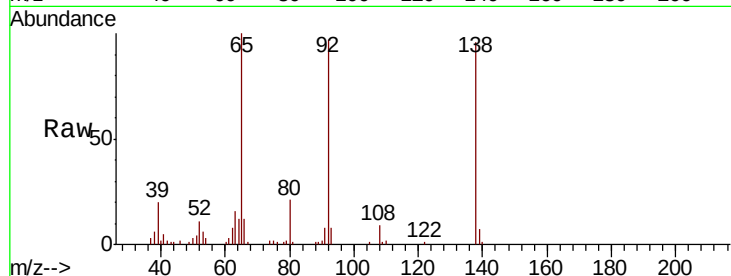




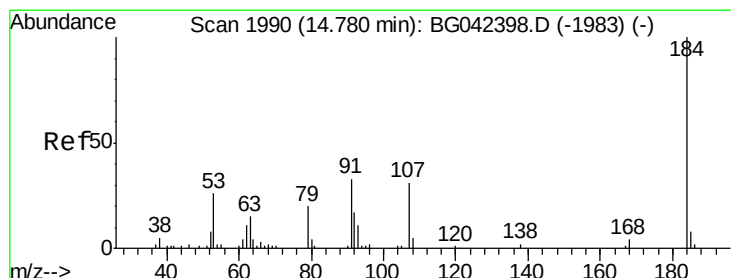
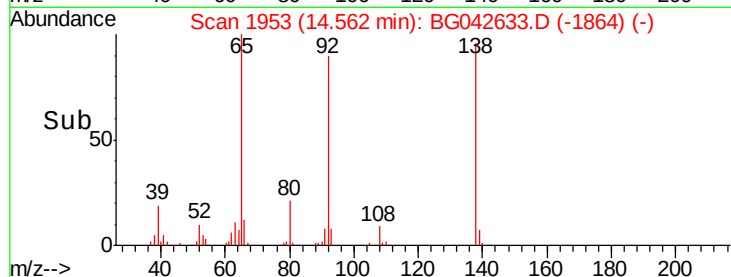
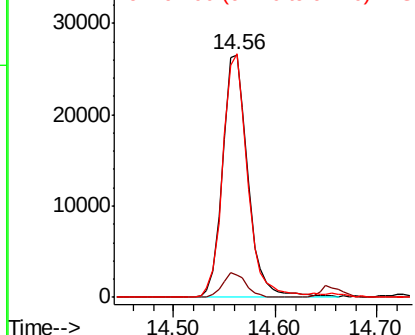
#53  
3-Nitroaniline  
Concen: 27.137 ng  
RT: 14.56 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

Tot Ion:138 Resp: 45937  
Ion Ratio Lower Upper  
138 100  
108 9.2 8.3 12.5  
92 100.5 78.2 117.4

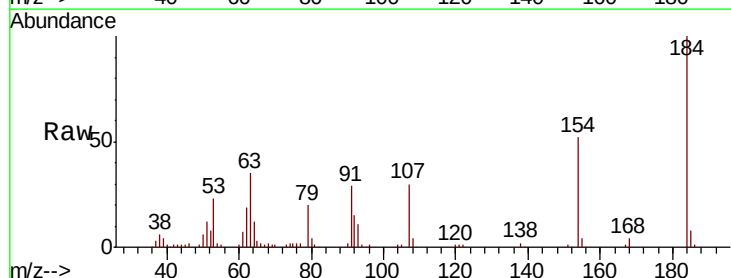


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BGC

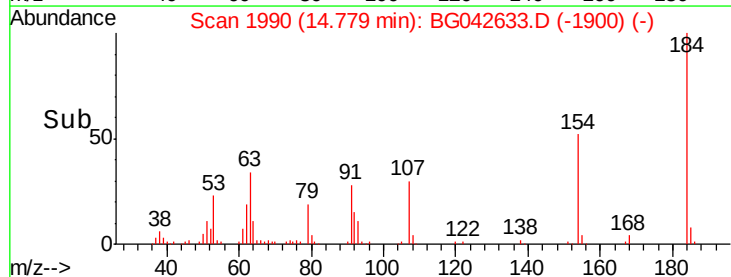
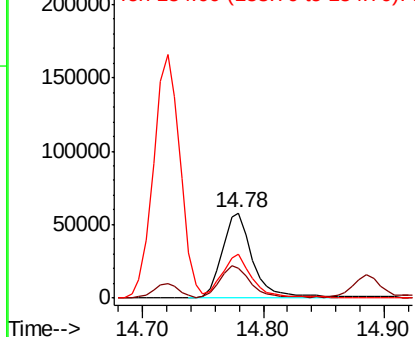


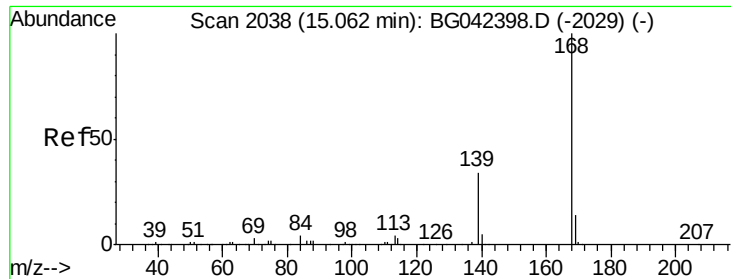
#54  
2,4-Dinitrophenol  
Concen: 88.615 ng  
RT: 14.78 min Scan# 1990  
Delta R.T. -0.00 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion:184 Resp: 101944  
Ion Ratio Lower Upper  
184 100  
63 35.5 31.7 47.5  
154 52.1 42.0 63.0



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

Dibenzofuran

Concen: 51.694 ng

RT: 15.06 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

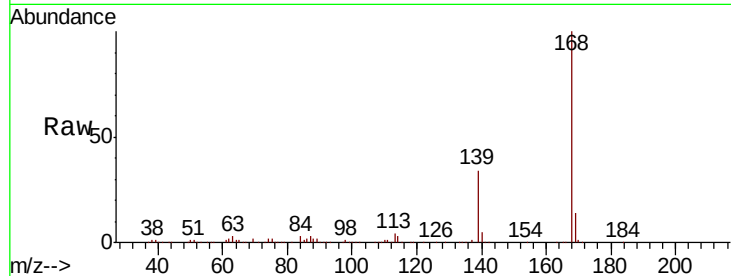
Tot Ion:168 Resp: 440955

Ion Ratio Lower Upper

168 100

139 33.8 27.2 40.8

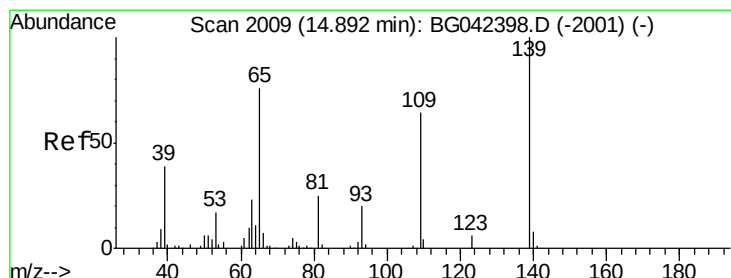
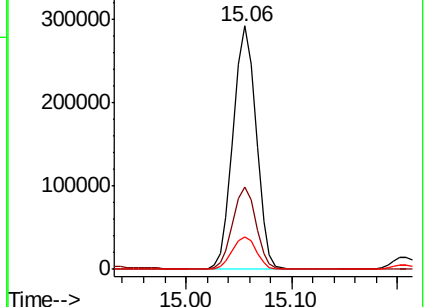
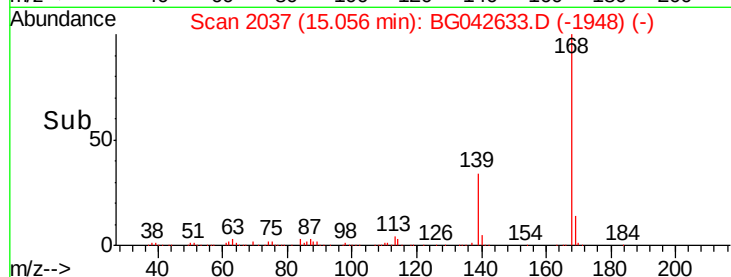
169 13.5 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 101.353 ng

RT: 14.89 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

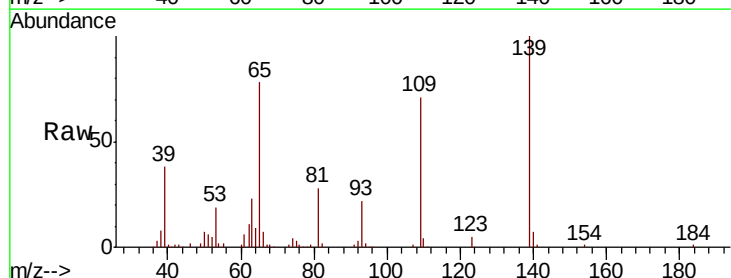
Tgt Ion:139 Resp: 121914

Ion Ratio Lower Upper

139 100

109 70.8 43.9 83.9

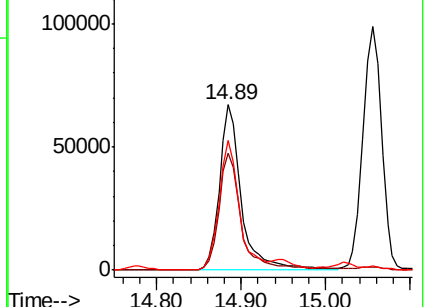
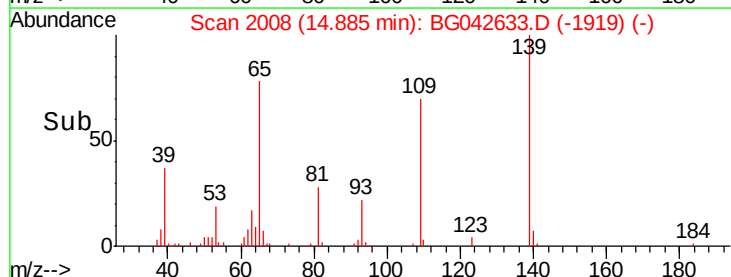
65 78.2 56.3 96.3



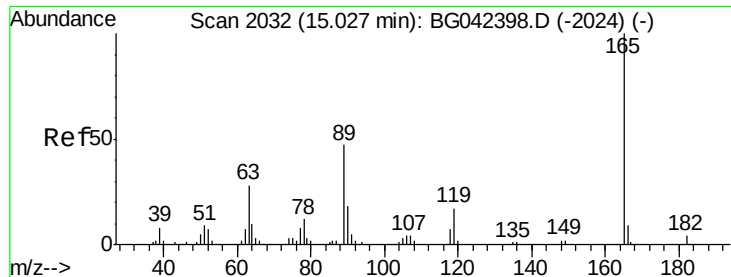
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



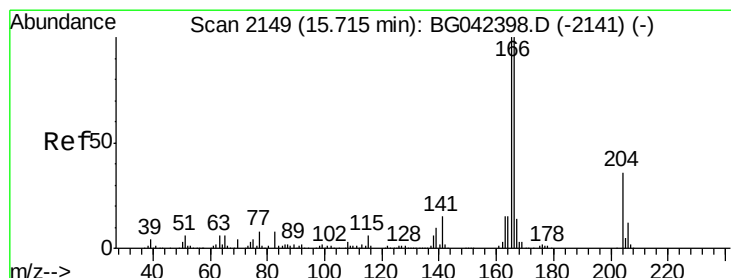
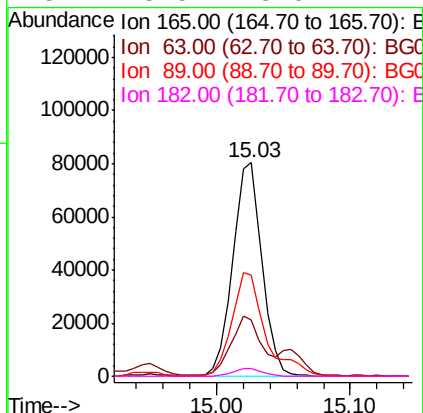
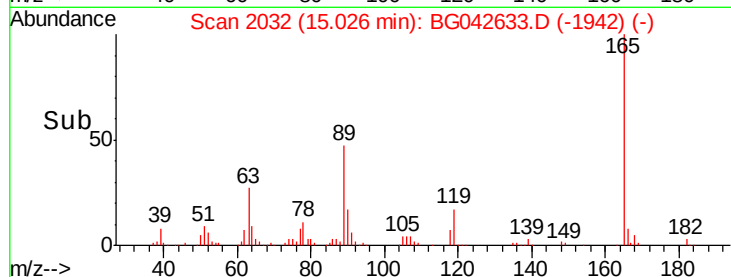
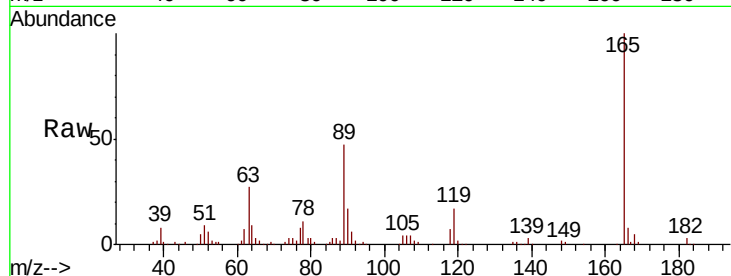




#57  
 2,4-Dinitrotoluene  
 Concen: 50.370 ng  
 RT: 15.03 min Scan# 2032  
 Delta R.T. -0.00 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

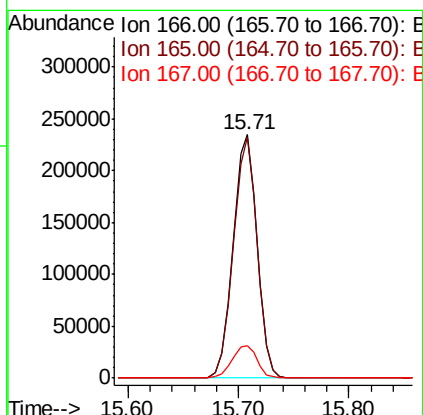
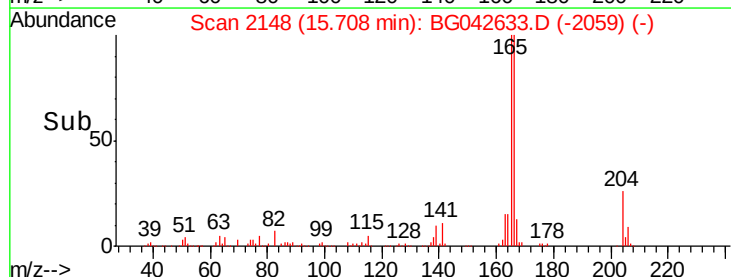
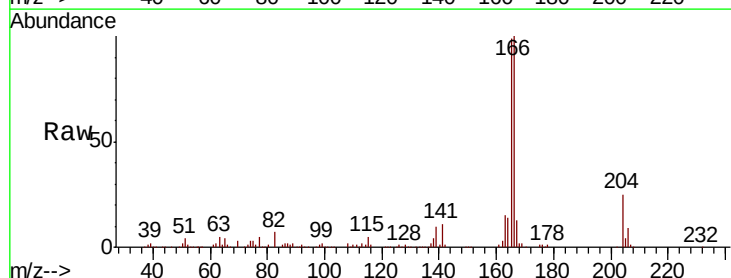
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

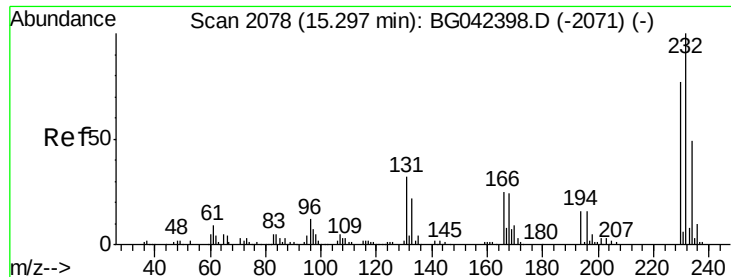
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:165 | Resp: | 122088      |
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 26.7  | 22.5 33.7   |
| 89          | 47.4  | 37.8 56.6   |
| 182         | 3.5   | 3.0 4.4     |



#58  
 Fluorene  
 Concen: 51.228 ng  
 RT: 15.71 min Scan# 2148  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:166 | Resp: | 357205      |
| Ion         | Ratio | Lower Upper |
| 166         | 100   |             |
| 165         | 99.1  | 79.7 119.5  |
| 167         | 13.4  | 10.9 16.3   |

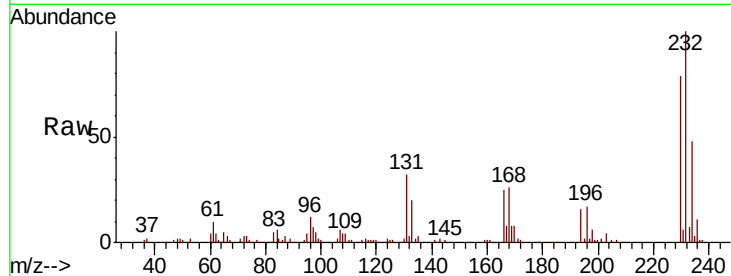




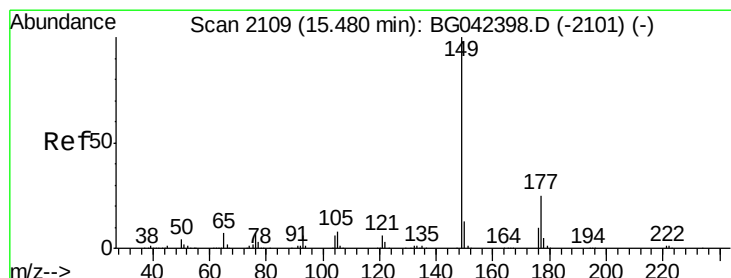
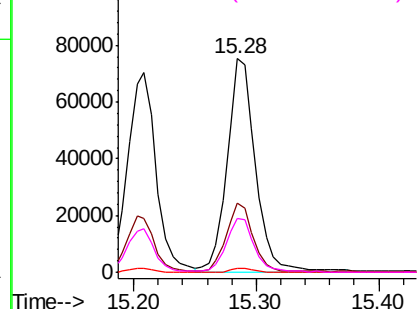
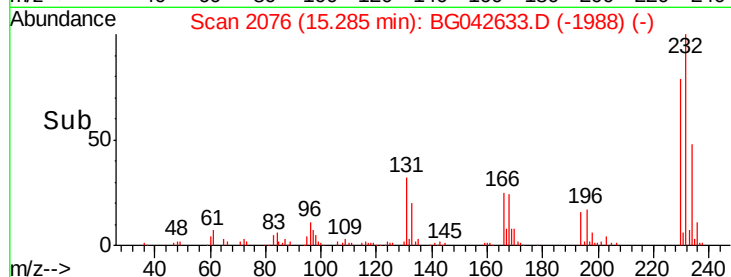
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 54.496 ng/ml  
 RT: 15.28 min Scan# 2076  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 122689 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 25.4  | 22.9  | 34.3   |
| 130      | 1.5   | 1.4   | 2.0    |
| 166      | 19.4  | 17.0  | 25.4   |

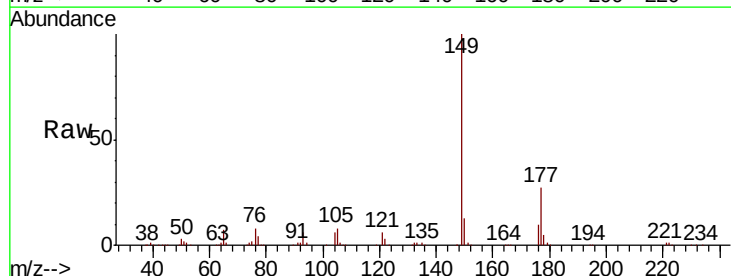


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

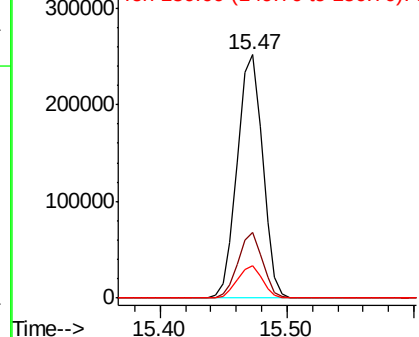
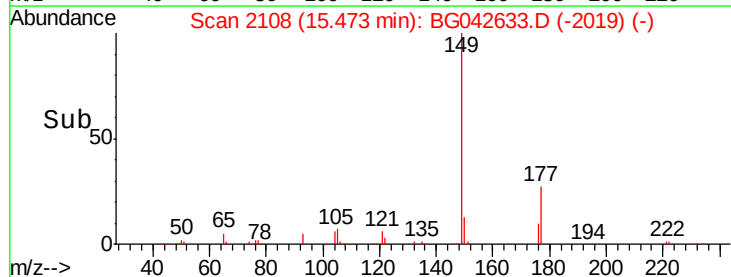


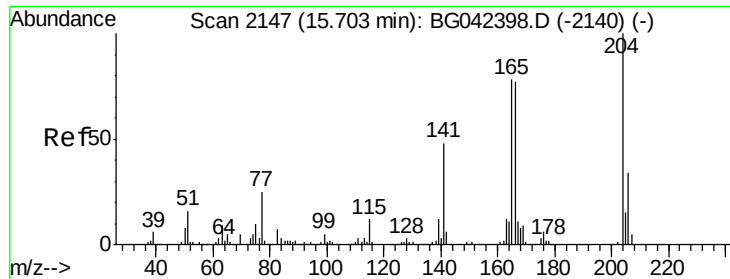
#60  
 Diethylphthalate  
 Concen: 48.735 ng  
 RT: 15.47 min Scan# 2108  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 347895 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 27.1  | 20.4  | 30.6   |
| 150      | 13.2  | 10.3  | 15.5   |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

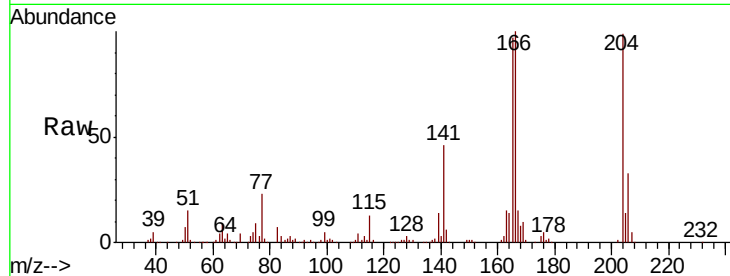




#61  
4-Chlorophenyl-phenylether  
Concen: 50.664 ng  
RT: 15.70 min Scan# 2146  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.4  | 27.2  | 40.8  |
| 141     | 46.7  | 38.7  | 58.1  |

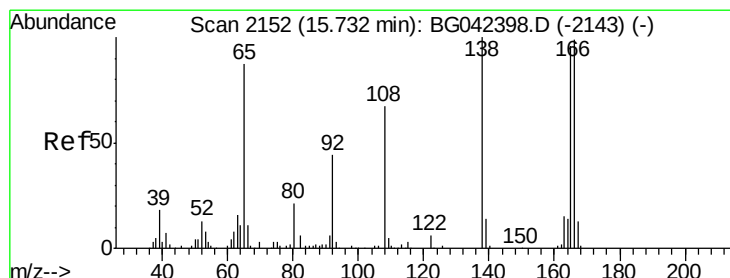
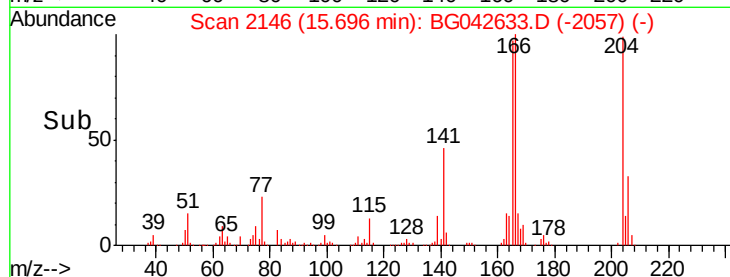
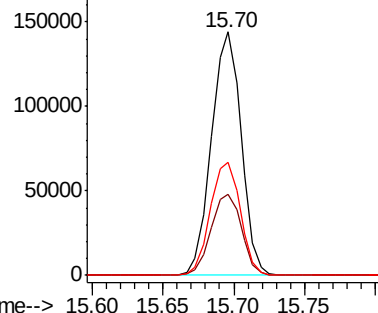


Abundance

Ion 204.00 (203.70 to 204.70): E

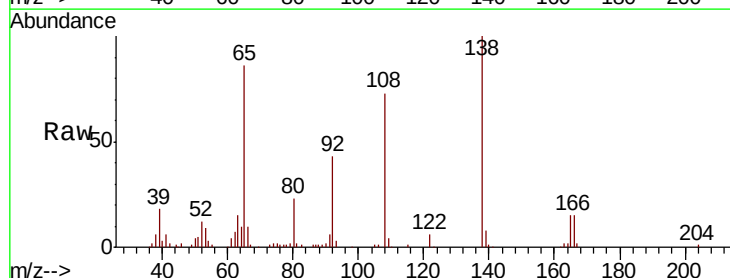
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 48.197 ng  
RT: 15.73 min Scan# 2152  
Delta R.T. -0.00 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 43.4  | 24.2  | 64.2  |
| 108     | 73.3  | 46.8  | 86.8  |

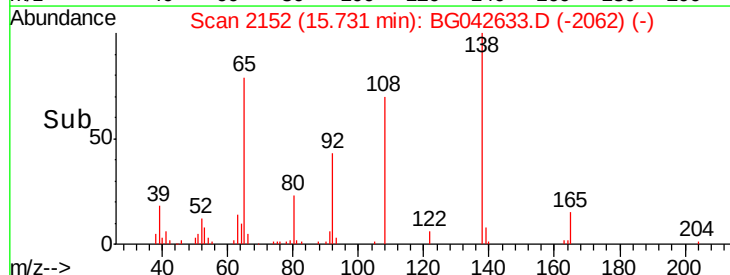
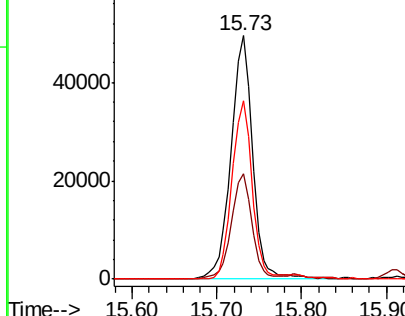


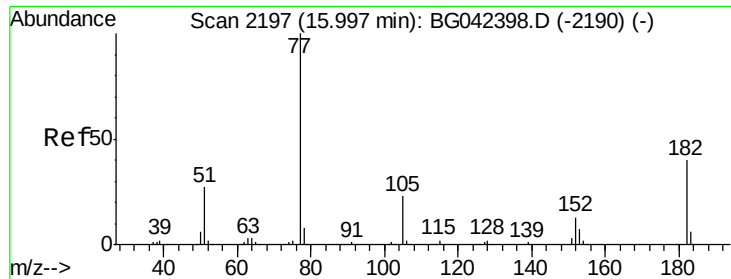
Abundance

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: 48.158 ng

RT: 15.99 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

Tot Ion: 77 Resp: 235563

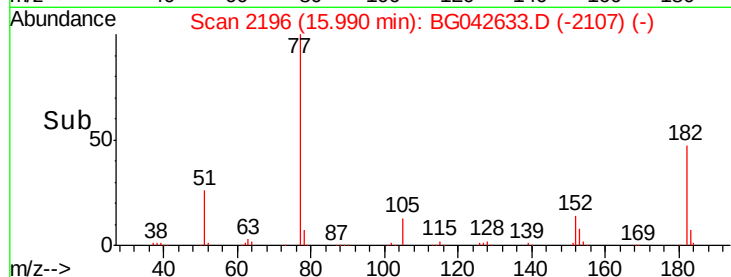
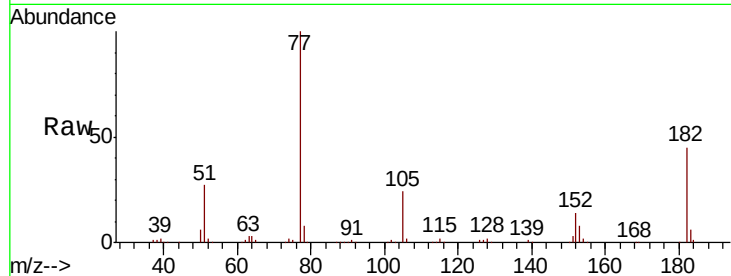
Ion Ratio Lower Upper

77 100

182 44.6 19.9 59.9

105 23.9 2.9 42.9

51 27.2 7.6 47.6

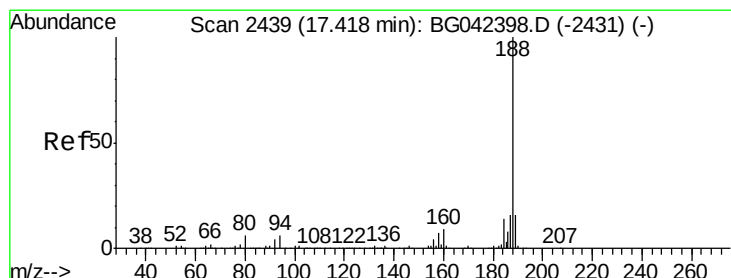
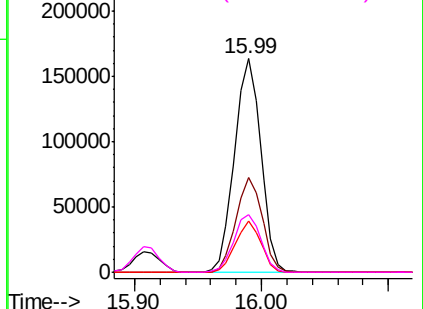


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

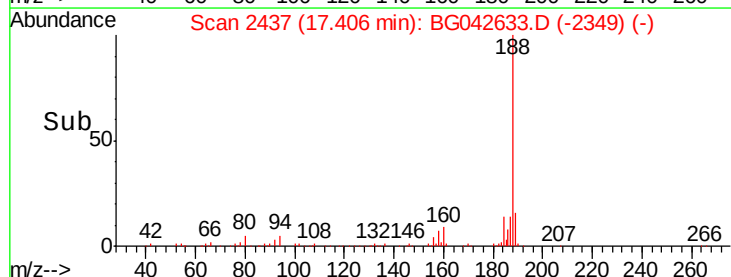
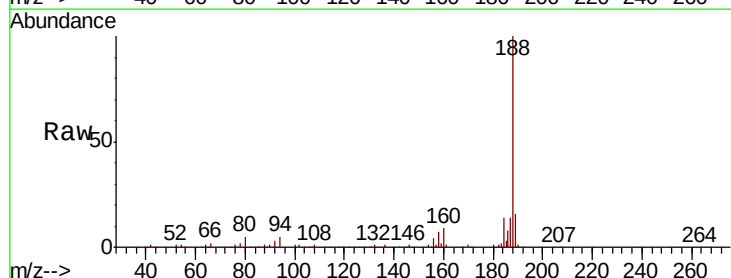
Tgt Ion: 188 Resp: 237885

Ion Ratio Lower Upper

188 100

94 5.2 4.5 6.7

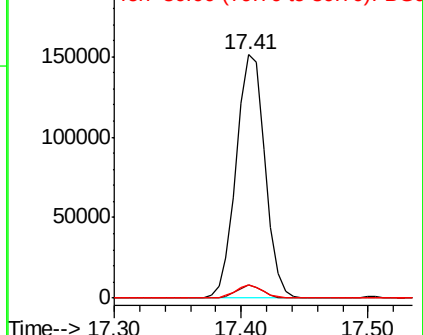
80 5.4 4.9 7.3

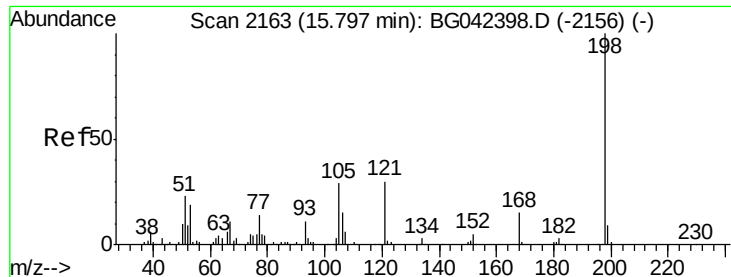


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 54.920 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

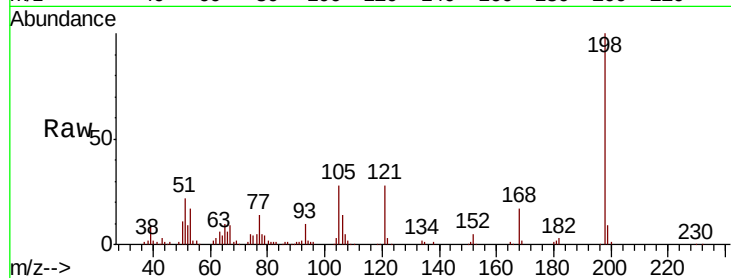
Tot Ion:198 Resp: 81909

Ion Ratio Lower Upper

198 100

51 22.0 4.2 44.2

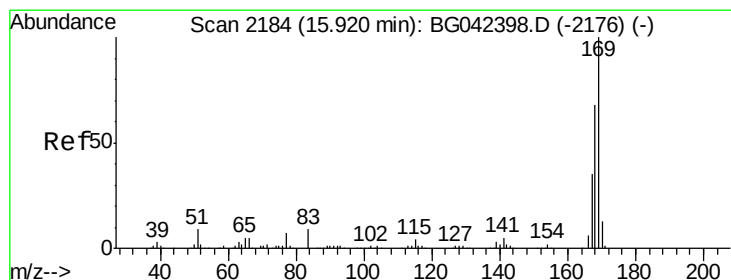
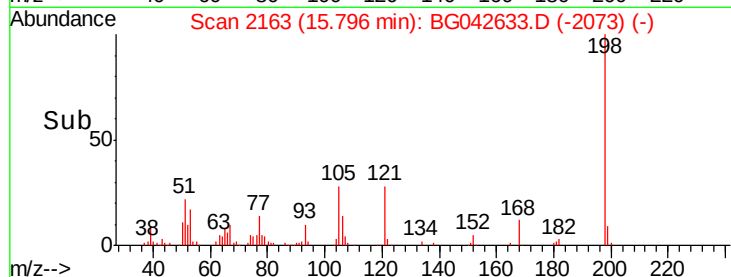
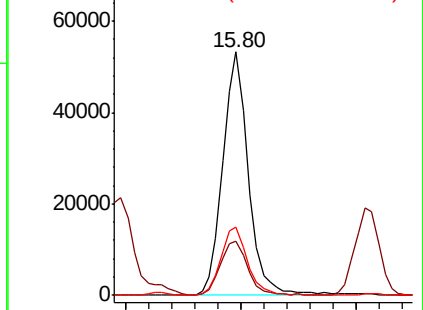
105 27.9 8.8 48.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 50.597 ng

RT: 15.91 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

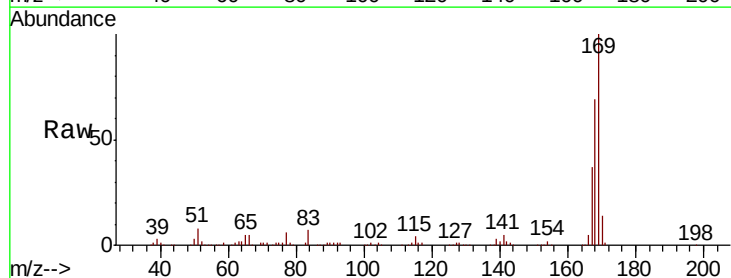
Tgt Ion:169 Resp: 331008

Ion Ratio Lower Upper

169 100

168 69.2 54.3 81.5

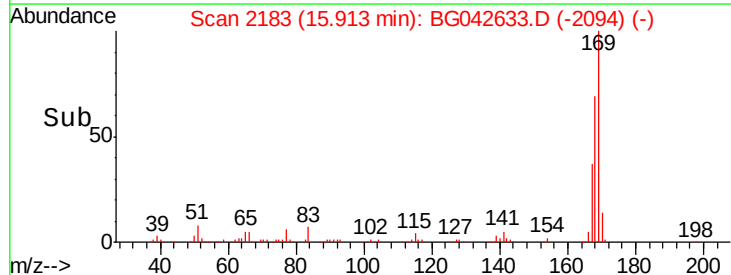
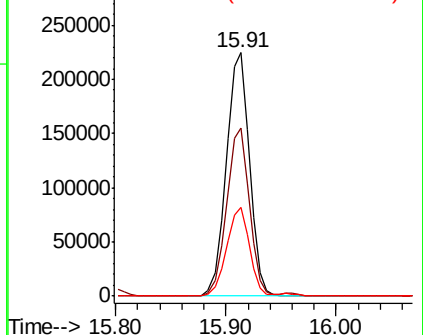
167 36.6 28.2 42.2

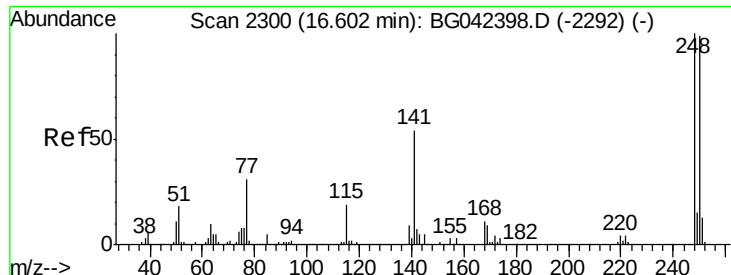


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 49.830 ng

RT: 16.59 min Scan# 2298

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

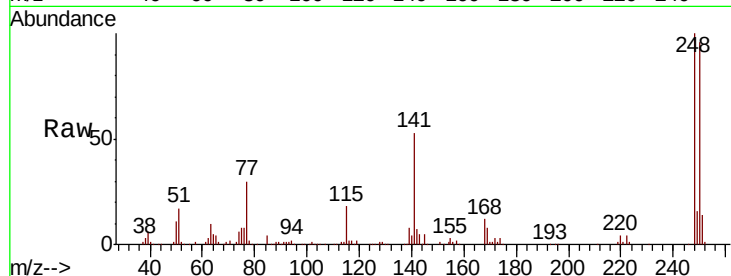
Tot Ion:248 Resp: 150357

Ion Ratio Lower Upper

248 100

250 95.6 78.9 118.3

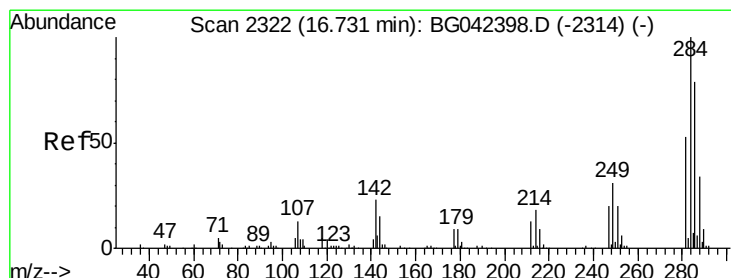
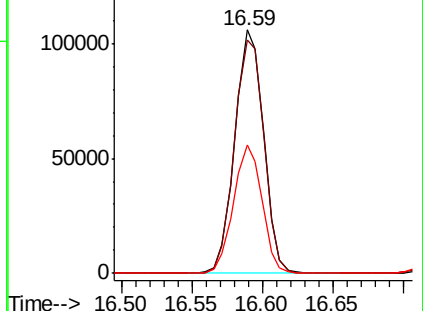
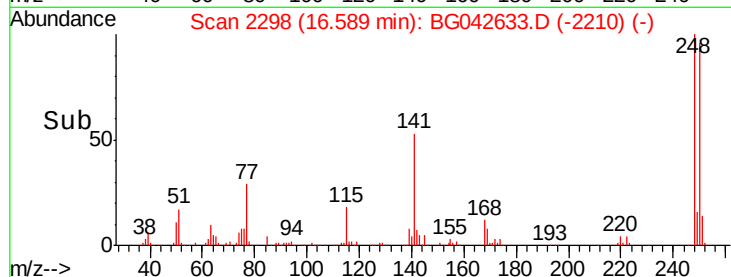
141 53.0 43.3 64.9



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 48.906 ng

RT: 16.72 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

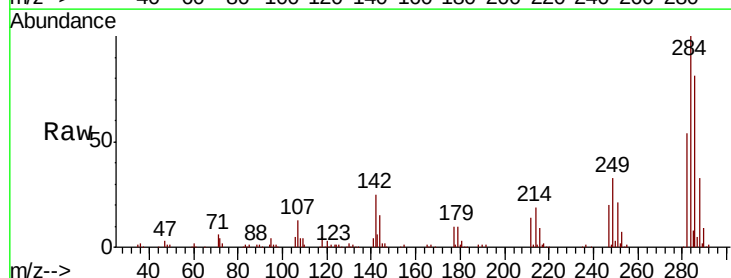
Tgt Ion:284 Resp: 160420

Ion Ratio Lower Upper

284 100

142 24.9 18.2 27.4

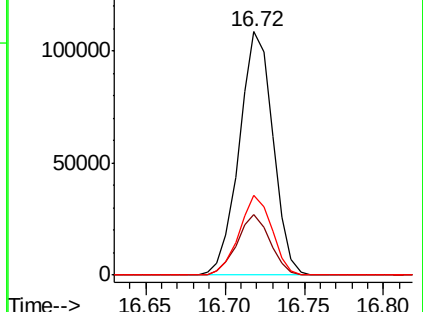
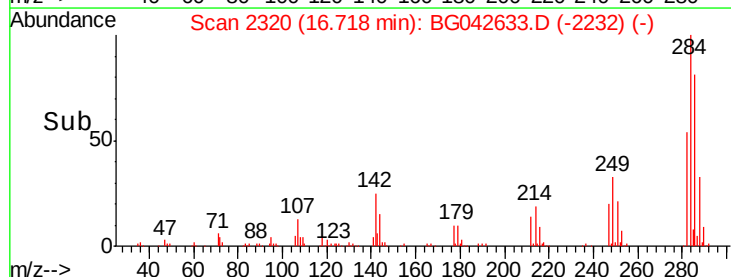
249 32.7 25.0 37.4

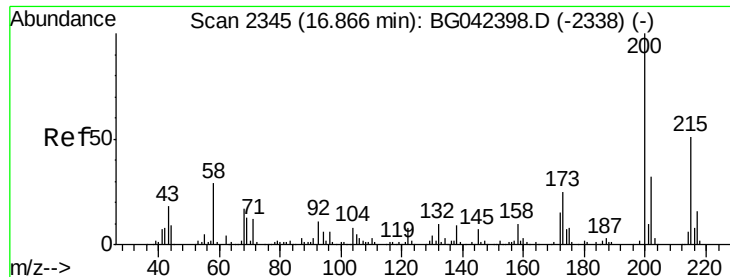


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 54.685 ng

RT: 16.86 min Scan# 2344

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

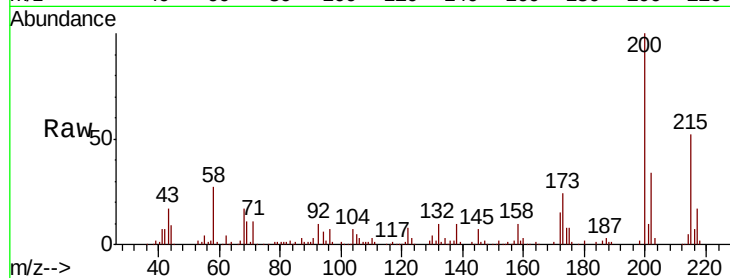
Tot Ion:200 Resp: 126512

Ion Ratio Lower Upper

200 100

173 23.6 4.9 44.9

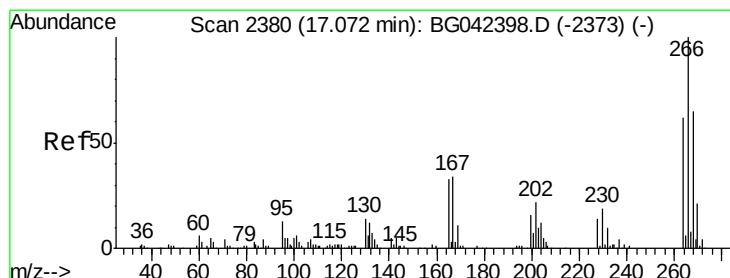
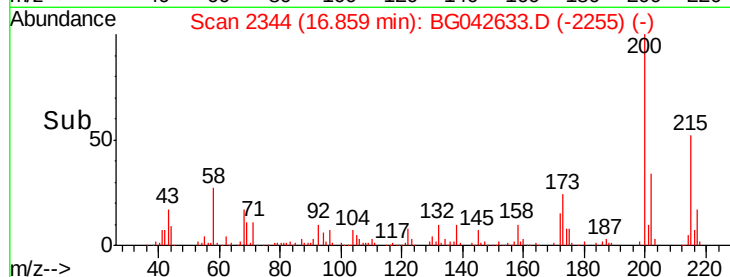
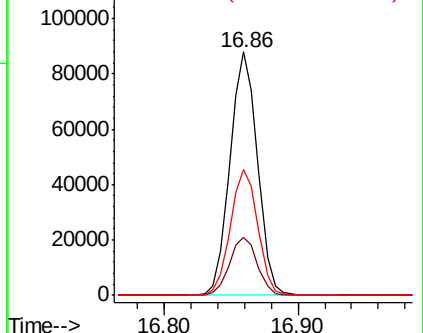
215 51.6 30.7 70.7



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: 105.958 ng

RT: 17.06 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

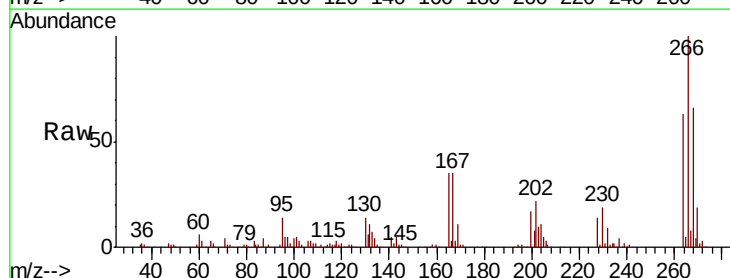
Tgt Ion:266 Resp: 180586

Ion Ratio Lower Upper

266 100

268 66.0 52.1 78.1

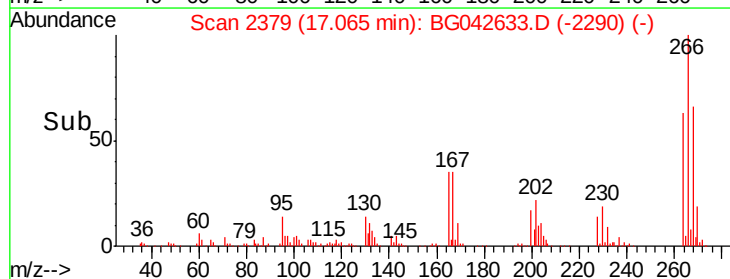
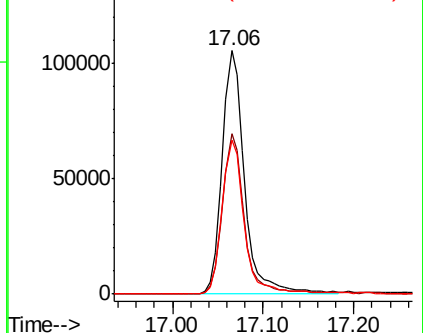
264 63.3 49.4 74.2

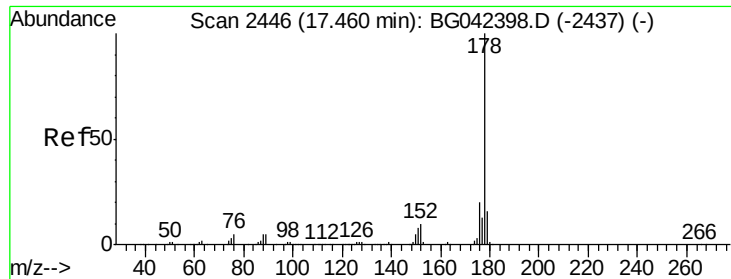


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

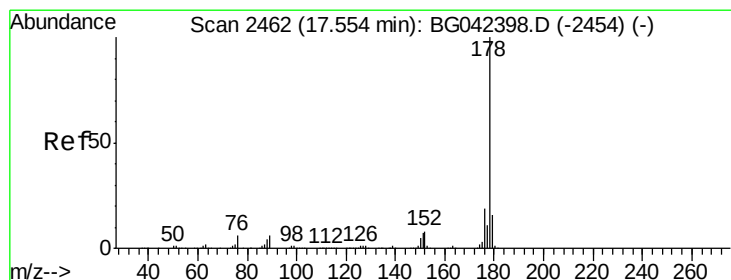
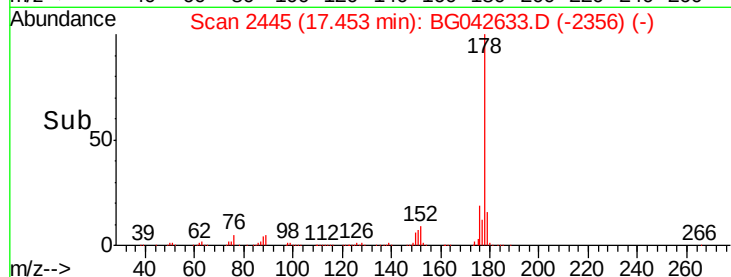
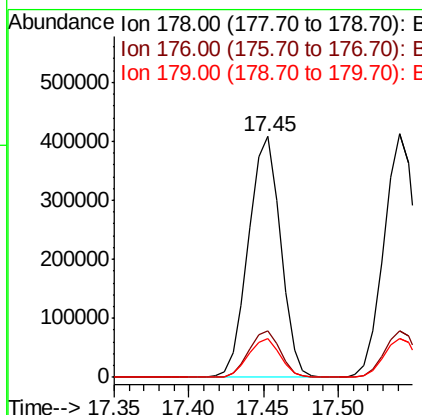
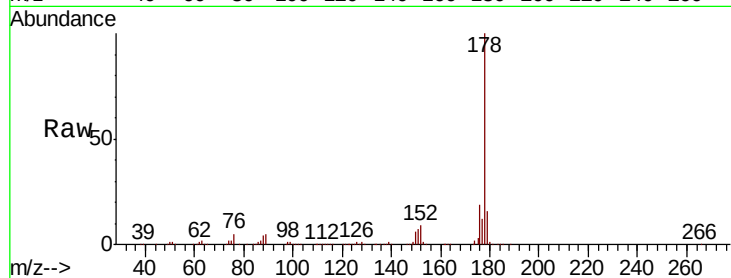




#71  
Phenanthrene  
Concen: 51.416 ng  
RT: 17.45 min Scan# 2445  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

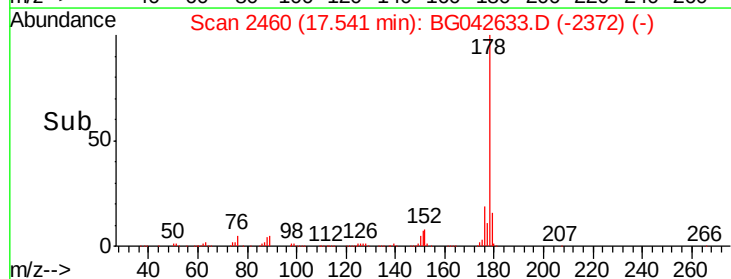
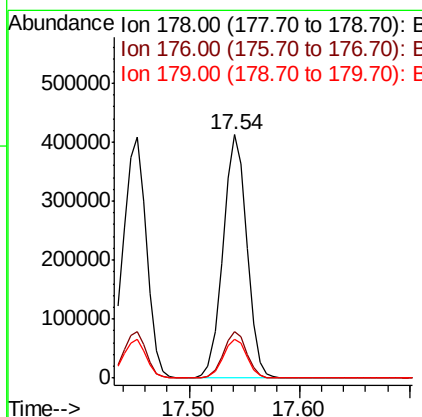
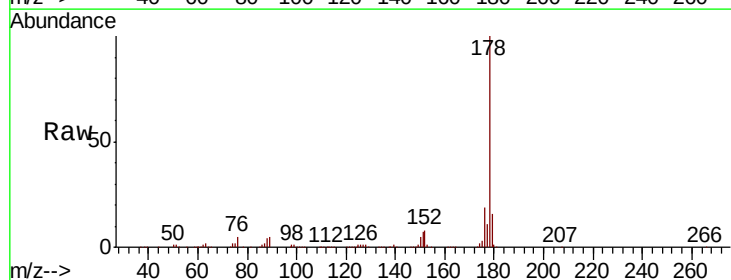
Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

Tot Ion:178 Resp: 607535  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.9 23.9  
179 16.3 12.7 19.1

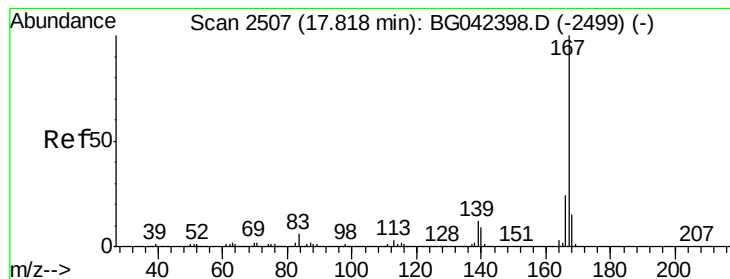


#72  
Anthracene  
Concen: 52.783 ng  
RT: 17.54 min Scan# 2460  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion:178 Resp: 622627  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.5 23.3  
179 16.2 12.9 19.3







#73

Carbazole

Concen: 52.019 ng

RT: 17.81 min Scan# 2506

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

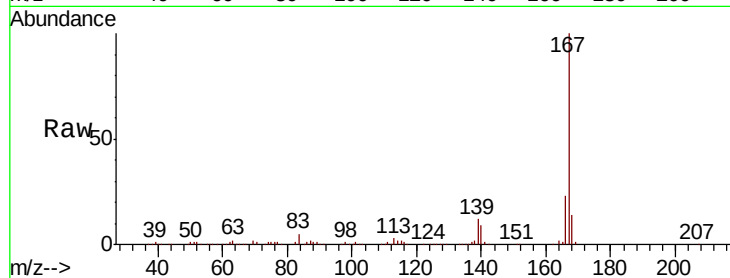
Tot Ion:167 Resp: 546884

Ion Ratio Lower Upper

167 100

166 22.9 18.9 28.3

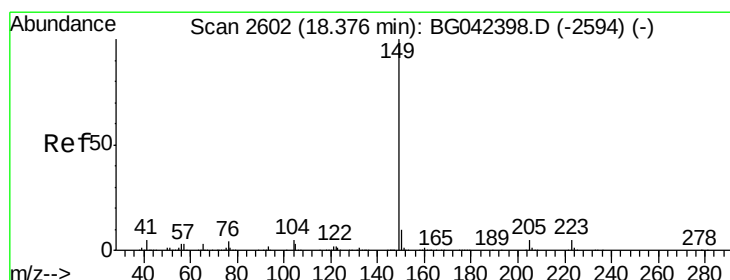
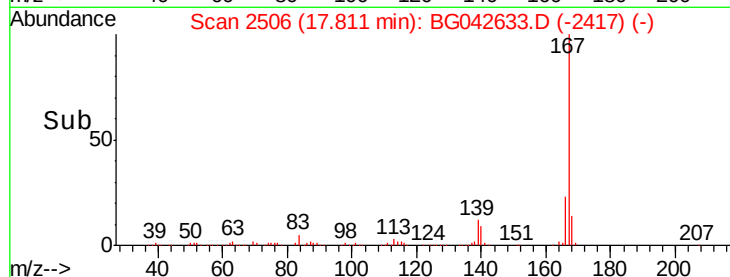
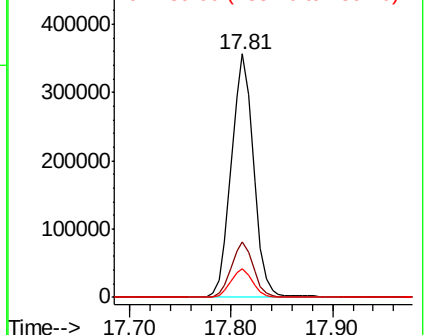
139 11.9 9.8 14.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 50.594 ng

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

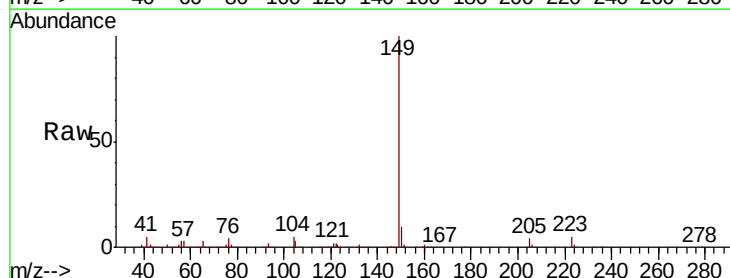
Tgt Ion:149 Resp: 628760

Ion Ratio Lower Upper

149 100

150 10.3 8.1 12.1

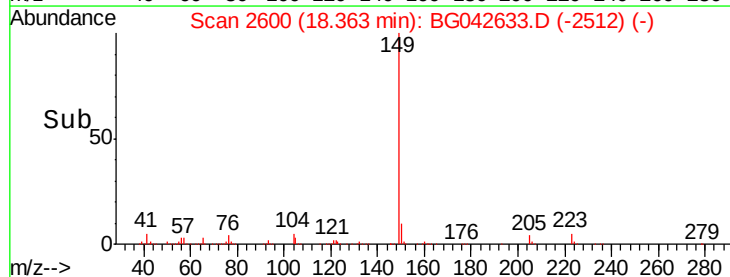
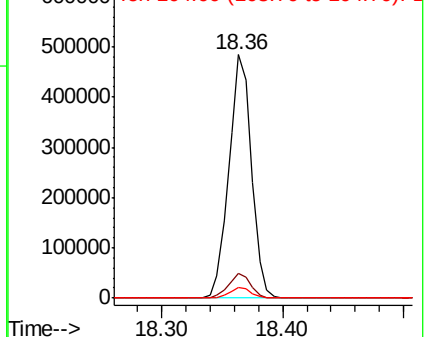
104 4.6 3.7 5.5

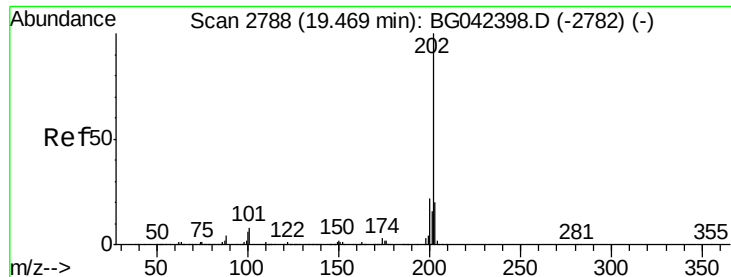


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 55.624 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

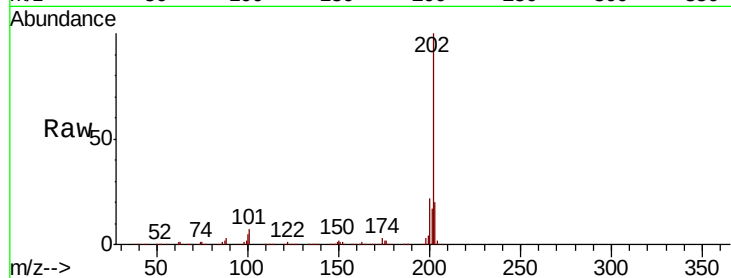
Tot Ion:202 Resp: 802136

Ion Ratio Lower Upper

202 100

101 6.5 0.0 28.3

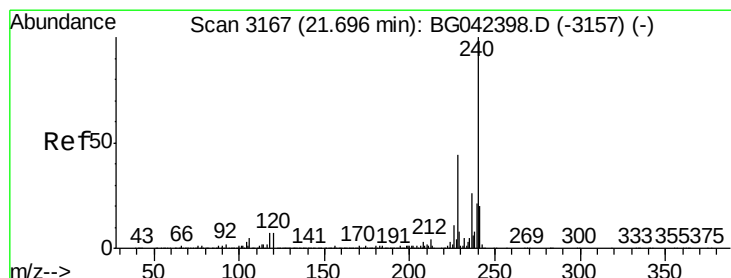
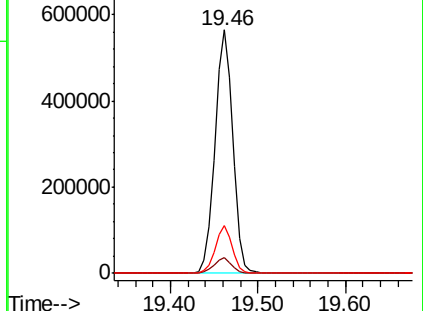
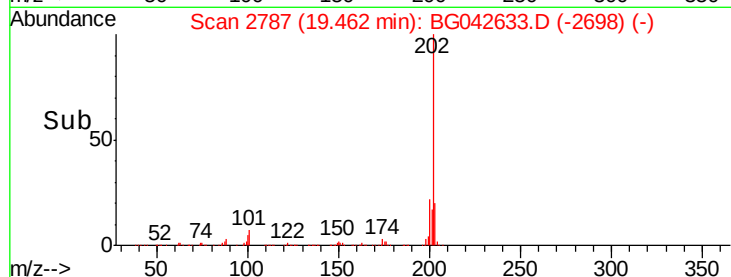
203 19.5 0.0 39.6



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: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

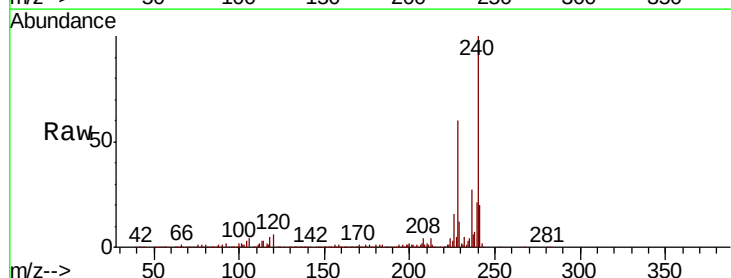
Tgt Ion:240 Resp: 255114

Ion Ratio Lower Upper

240 100

120 5.8 5.7 8.5

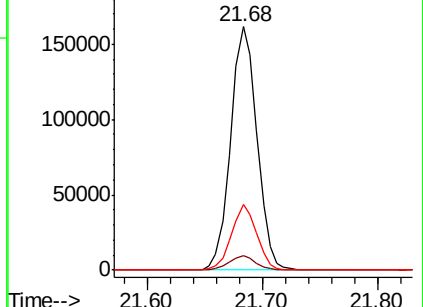
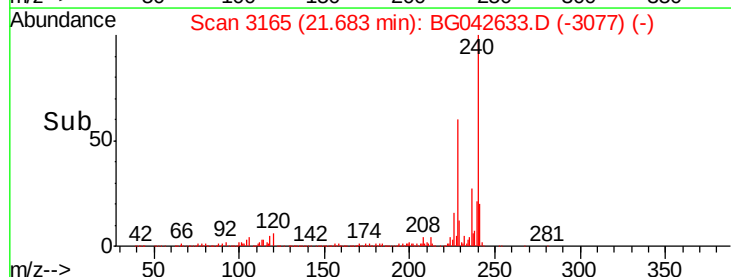
236 26.8 21.0 31.4

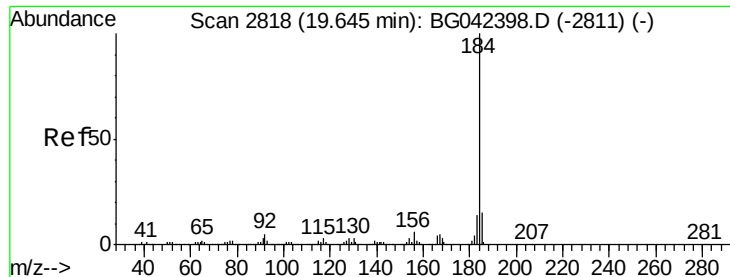


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 62.323 ng

RT: 19.64 min Scan# 2817

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

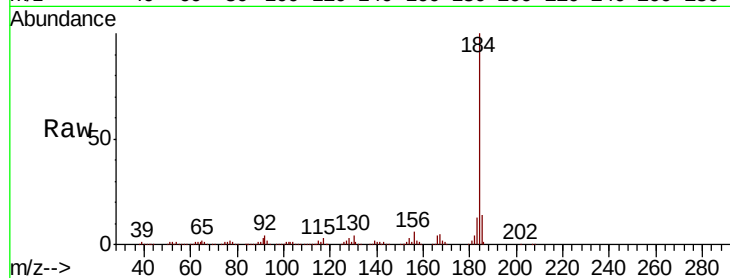
Tot Ion:184 Resp: 455848

Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.4

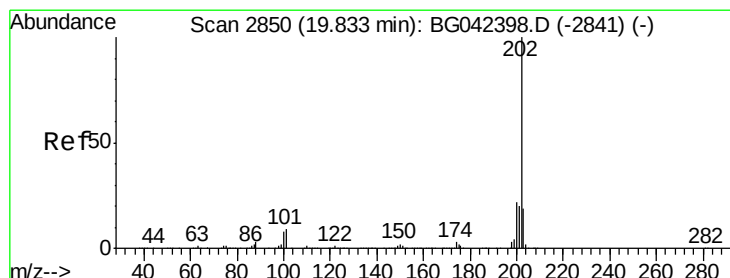
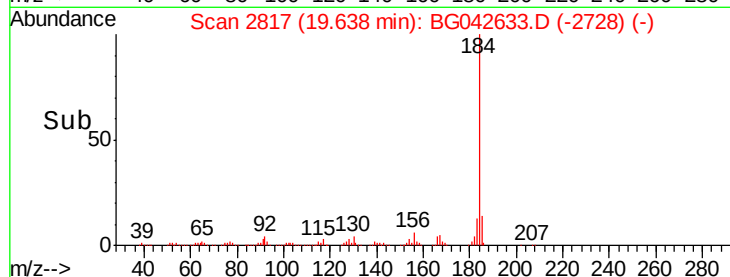
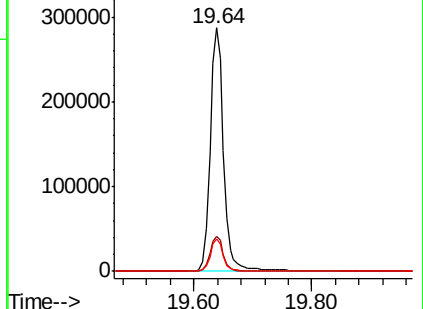
183 13.2 10.8 16.2



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: 51.650 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

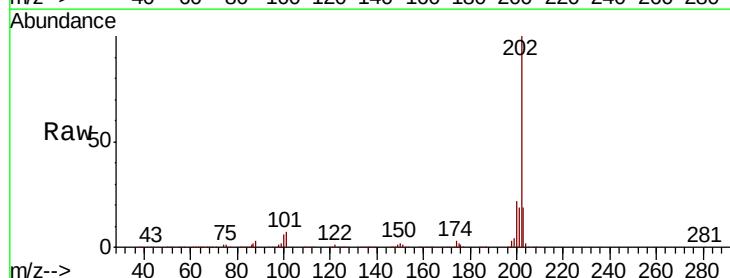
Tgt Ion:202 Resp: 807846

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

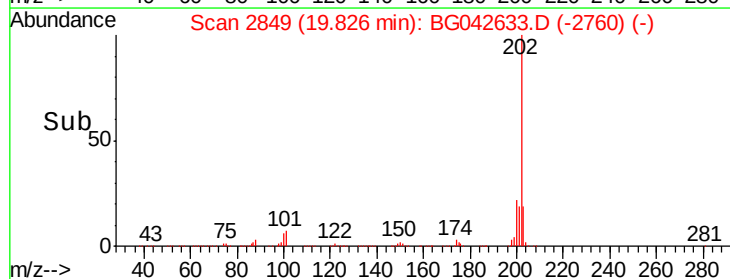
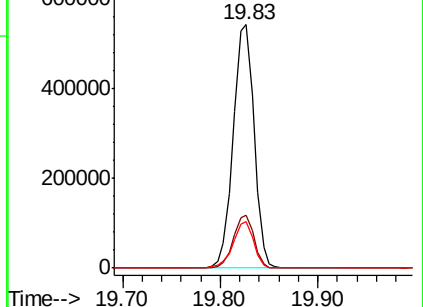
203 19.1 15.5 23.3

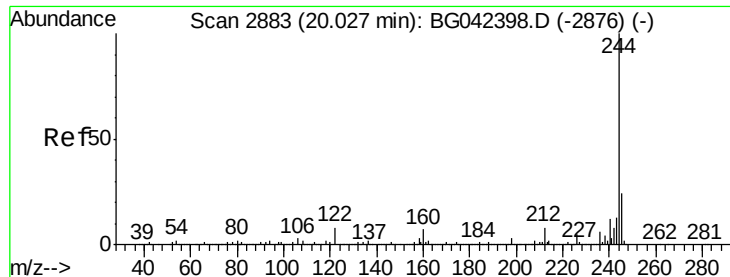


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.443 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

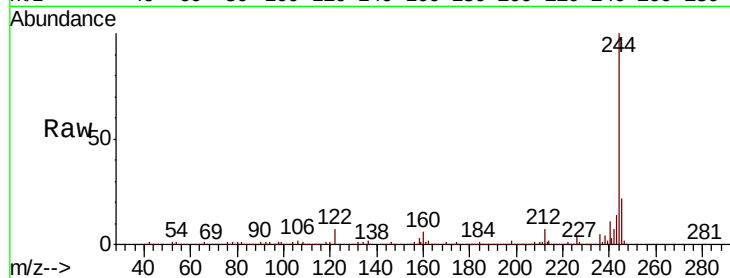
Tot Ion:244 Resp: 961055

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

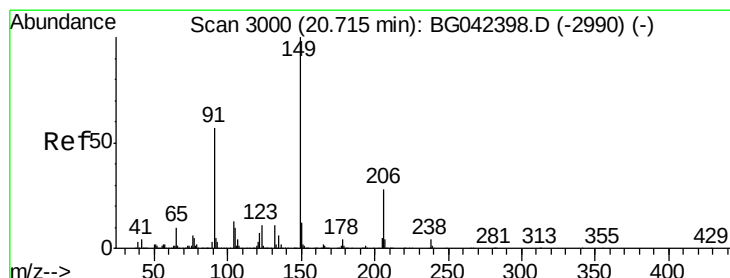
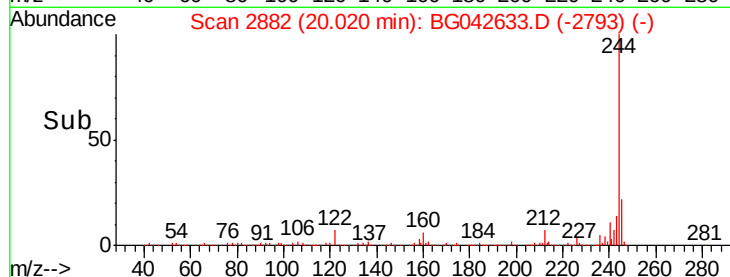
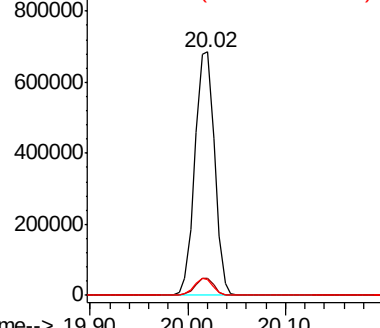
122 6.6 6.7 10.1#



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: 47.804 ng

RT: 20.70 min Scan# 2998

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

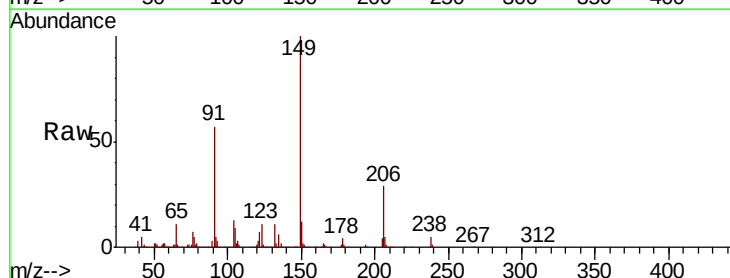
Tgt Ion:149 Resp: 294088

Ion Ratio Lower Upper

149 100

91 57.1 45.9 68.9

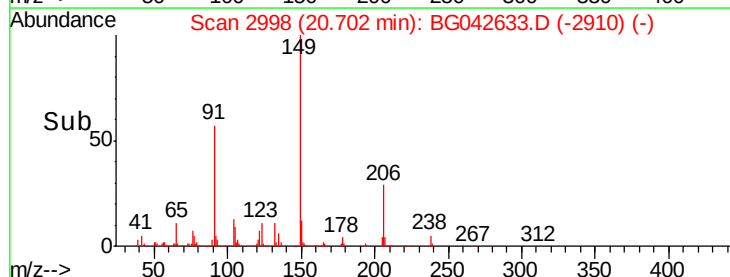
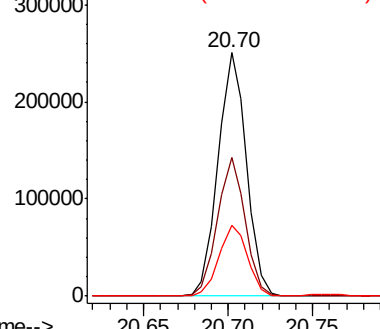
206 29.3 22.5 33.7

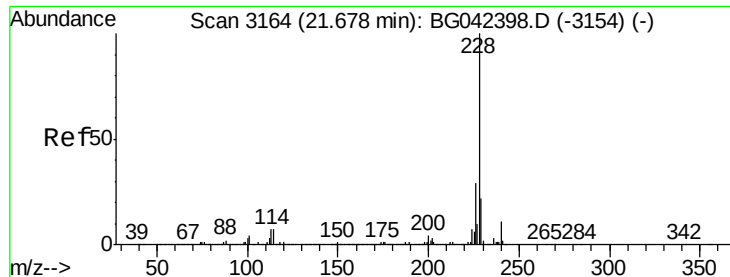


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 51.266 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

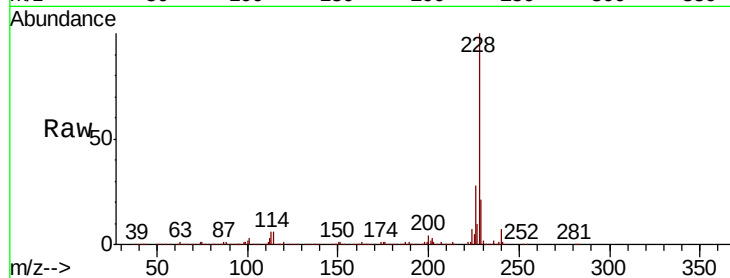
Tot Ion:228 Resp: 795594

Ion Ratio Lower Upper

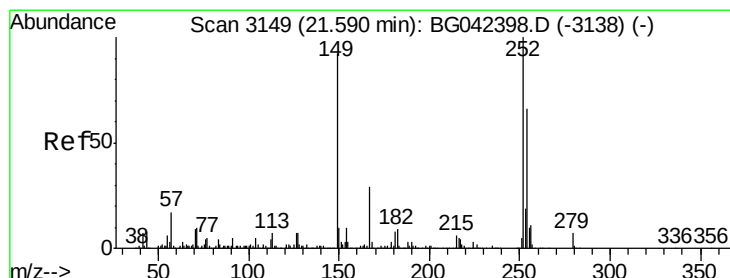
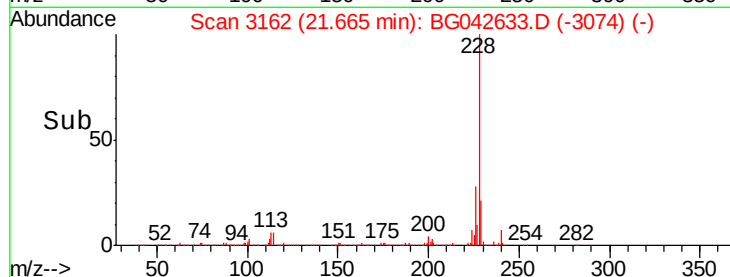
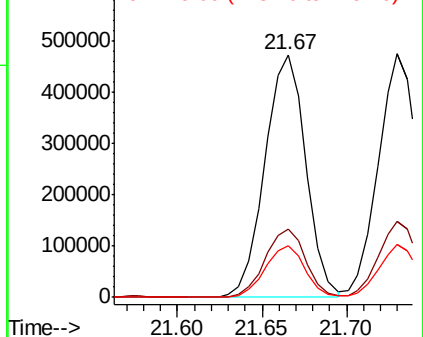
228 100

226 28.1 23.4 35.2

229 21.3 17.4 26.2



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



#82

3,3'-Dichlorobenzidine

Concen: 34.386 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

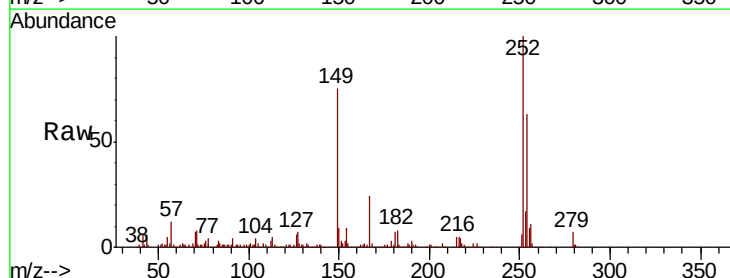
Tgt Ion:252 Resp: 214621

Ion Ratio Lower Upper

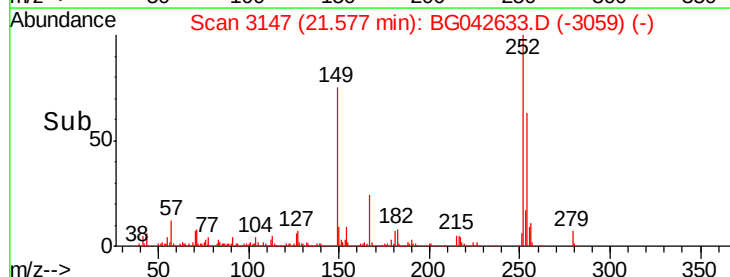
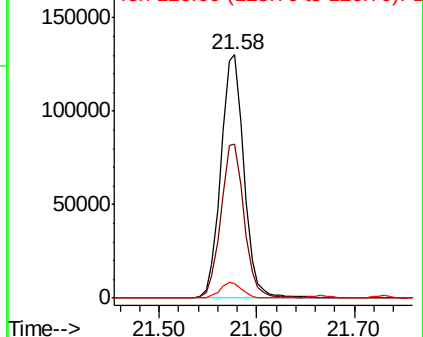
252 100

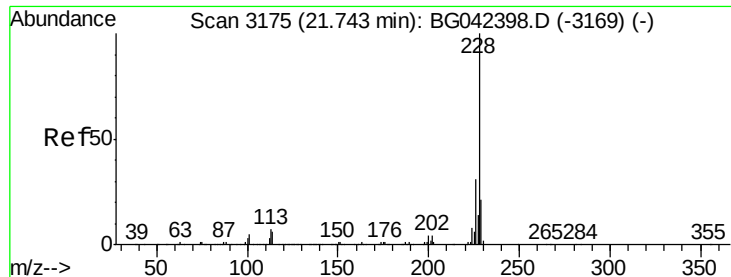
254 63.2 53.0 79.4

126 5.8 5.7 8.5



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: 51.645 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

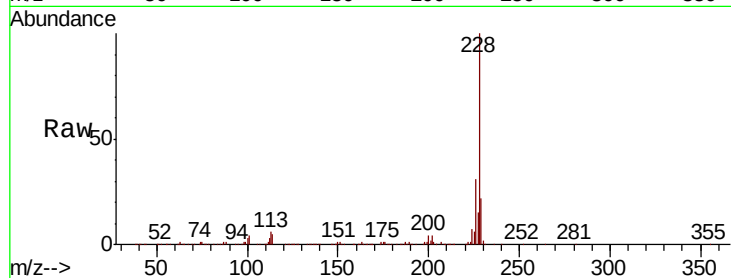
BNA\_G

ClientSampleId :

SB-02-30-32MSD

Tot Ion:228 Resp: 772958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.3  | 24.9  | 37.3  |
| 229 | 21.5  | 16.9  | 25.3  |

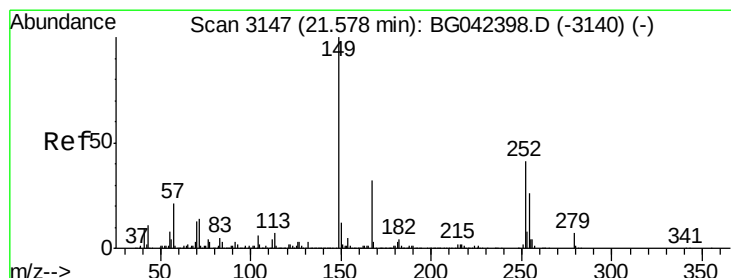
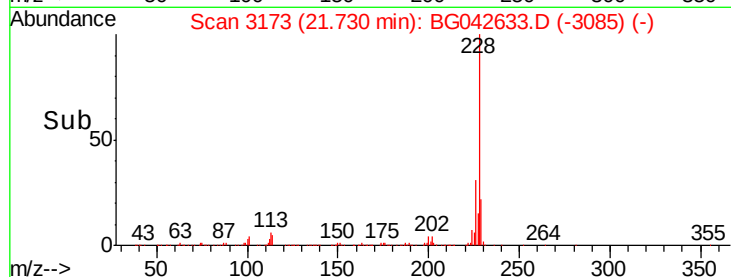
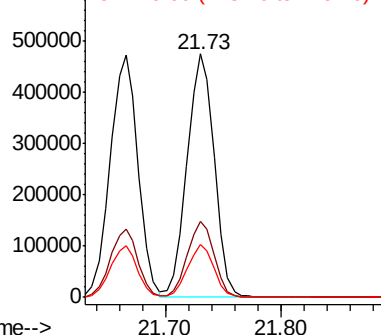


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.101 ng

RT: 21.57 min Scan# 3145

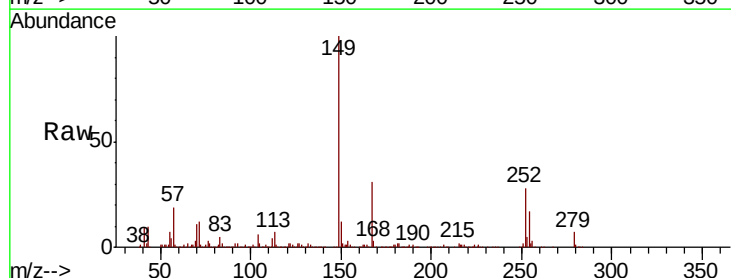
Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Tgt Ion:149 Resp: 419403

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 31.1  | 26.0  | 39.0  |
| 279 | 7.4   | 5.4   | 8.0   |

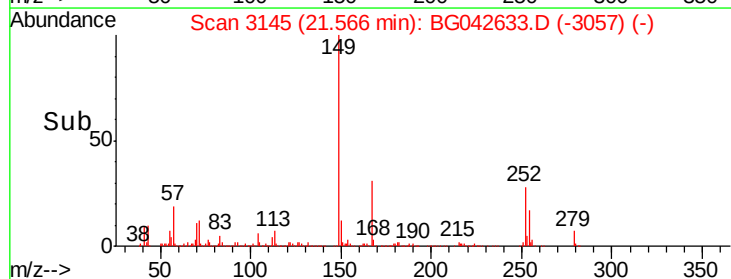
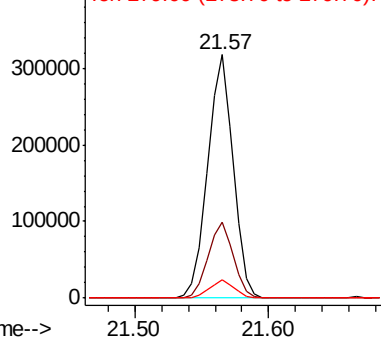


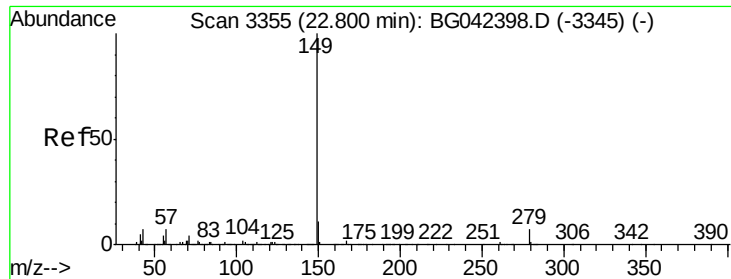
Abundance

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

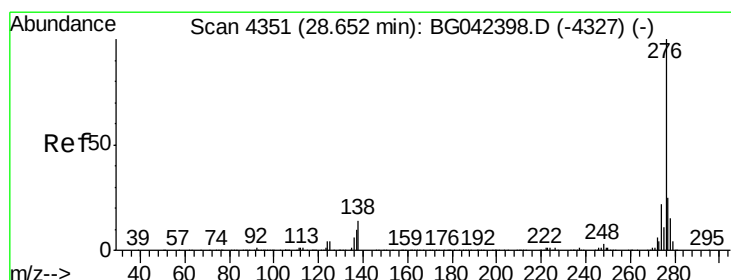
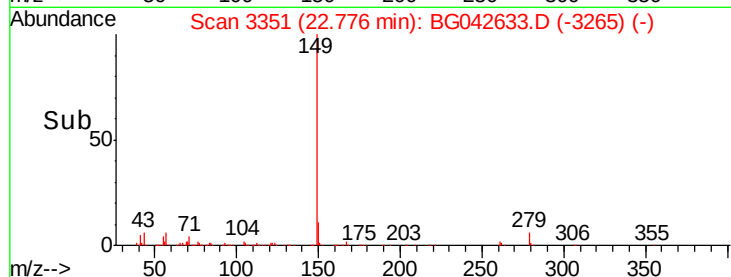
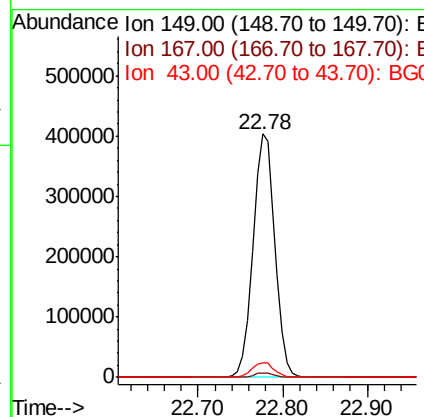
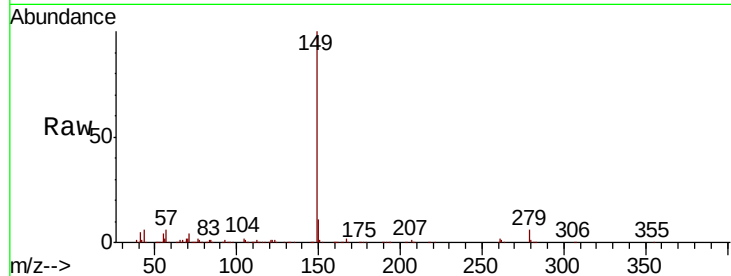




#85  
Di-n-octyl phthalate  
Concen: 49.514 ng  
RT: 22.78 min Scan# 3351  
Delta R.T. -0.02 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

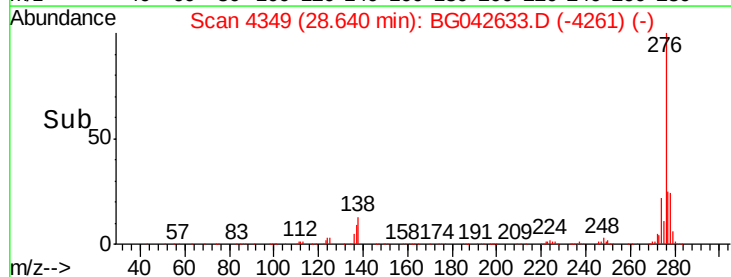
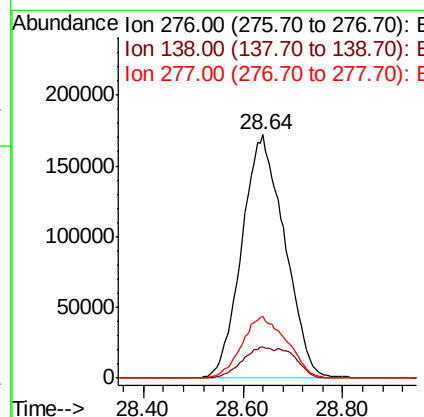
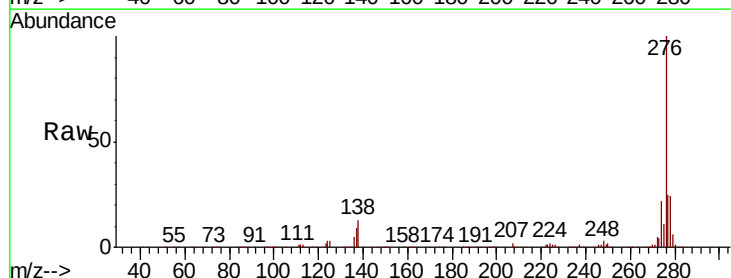
Instrument :  
BNA\_G  
ClientSampleId :  
SB-02-30-32MSD

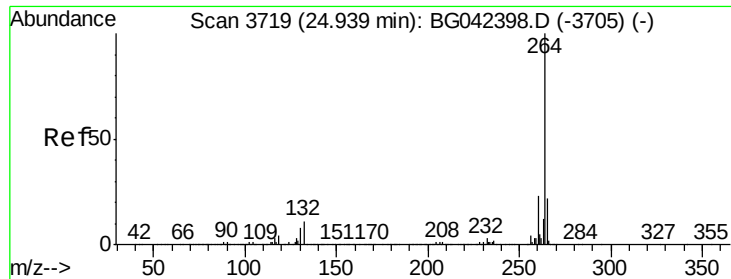
Tot Ion:149 Resp: 727400  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.6 2.4  
43 6.1 5.3 7.9



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 50.369 ng  
RT: 28.64 min Scan# 4349  
Delta R.T. -0.01 min  
Lab File: BG042633.D  
Acq: 31 Aug 2019 13:56

Tgt Ion:276 Resp: 1024484  
Ion Ratio Lower Upper  
276 100  
138 9.4 9.2 13.8  
277 26.6 21.0 31.6

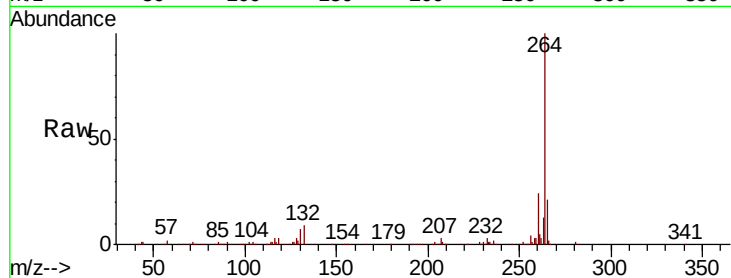




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.92 min Scan# 3716  
 Delta R.T. -0.02 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-02-30-32MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.5  | 27.7  |
| 265     | 21.5  | 17.6  | 26.4  |

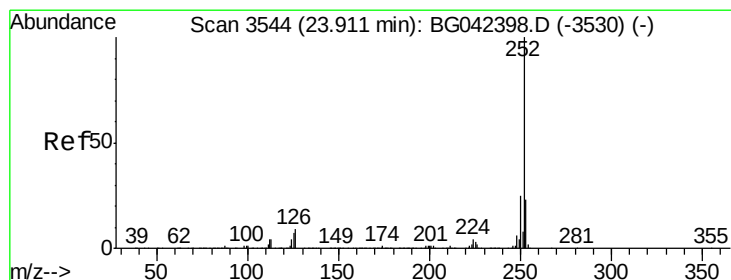
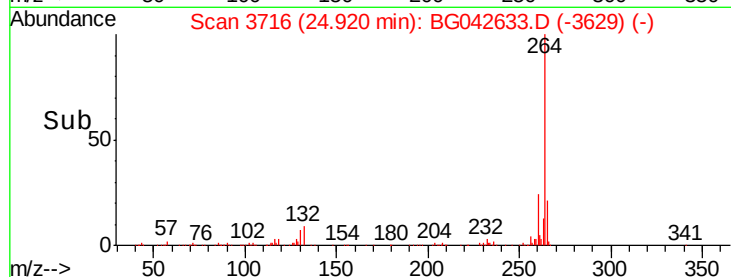
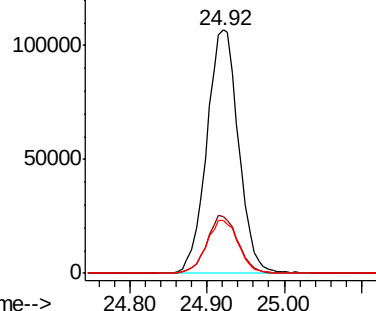


Abundance

Ion 264.00 (263.70 to 264.70): E

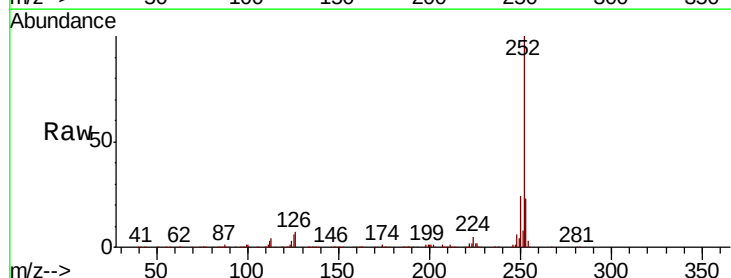
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88  
 Benzo(b)fluoranthene  
 Concen: 50.990 ng  
 RT: 23.90 min Scan# 3542  
 Delta R.T. -0.01 min  
 Lab File: BG042633.D  
 Acq: 31 Aug 2019 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 18.6  | 27.8  |
| 125     | 6.1   | 5.6   | 8.4   |

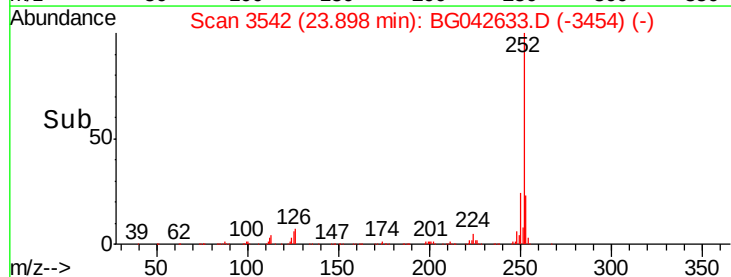
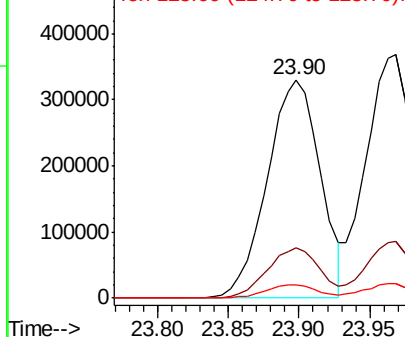


Abundance

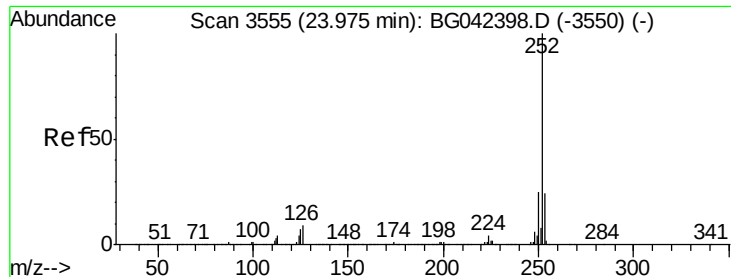
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(k)fluoranthene

Concen: 53.659 ng/mL

RT: 23.97 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

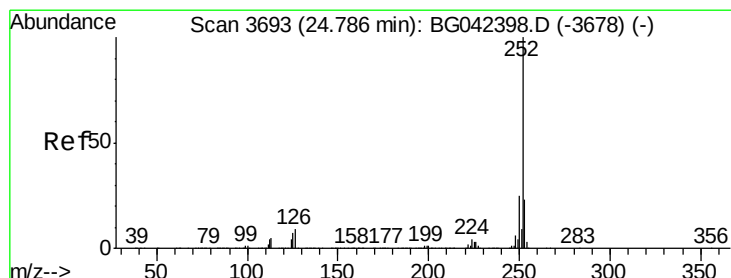
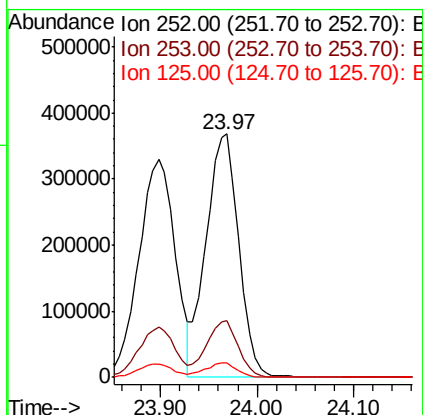
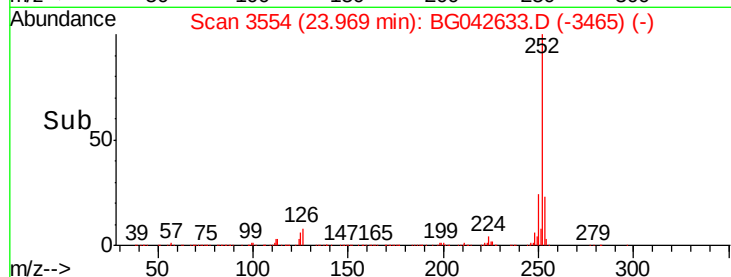
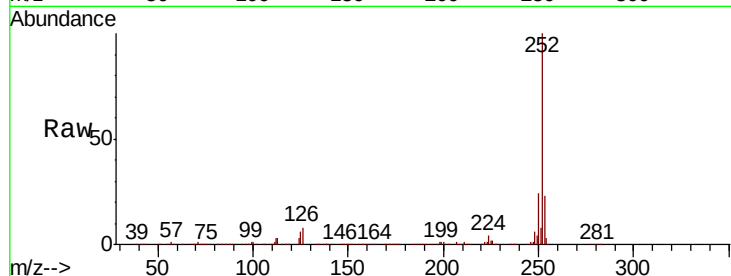
Tot Ion:252 Resp: 873140

Ion Ratio Lower Upper

252 100

253 23.2 18.6 27.8

125 5.7 5.8 8.6#



#90

Benzo(a)pyrene

Concen: 53.731 ng/mL

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

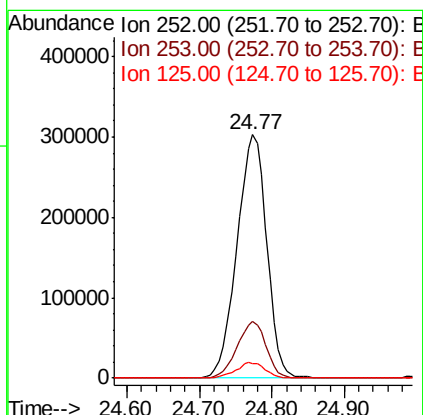
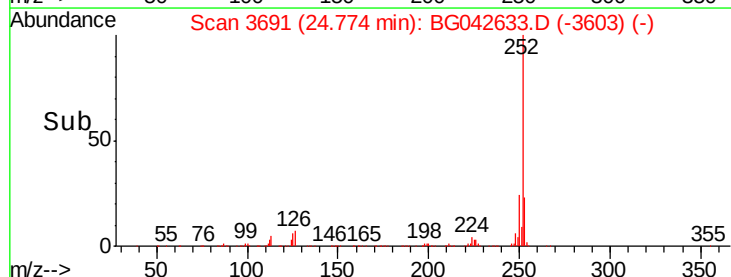
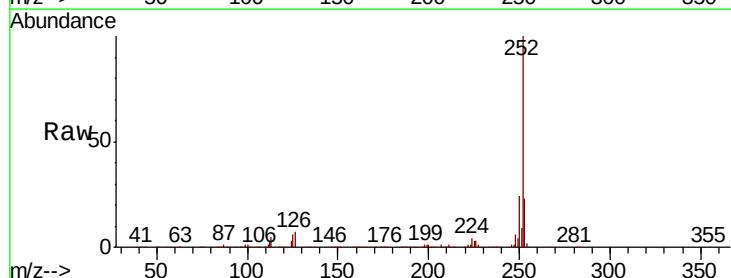
Tgt Ion:252 Resp: 863132

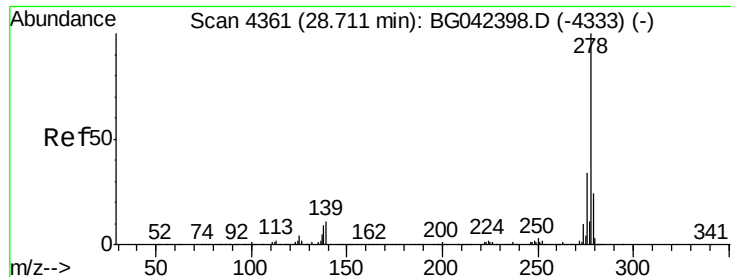
Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 6.1 6.0 9.0





#91

Dibenzo(a,h)anthracene

Concen: 52.242 ng

RT: 28.69 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

Instrument :

BNA\_G

ClientSampleId :

SB-02-30-32MSD

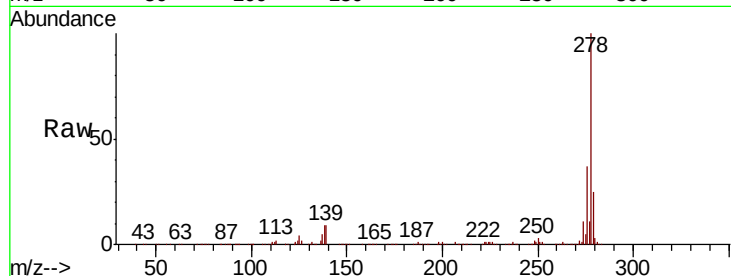
Tot Ion:278 Resp: 849709

Ion Ratio Lower Upper

278 100

139 9.2 8.8 13.2

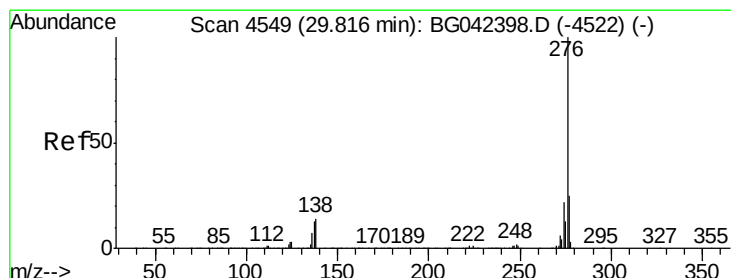
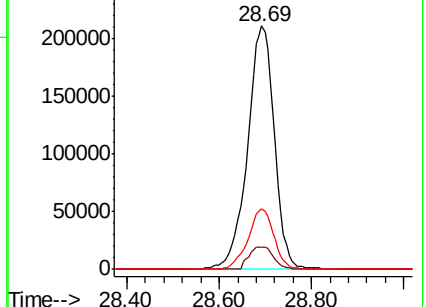
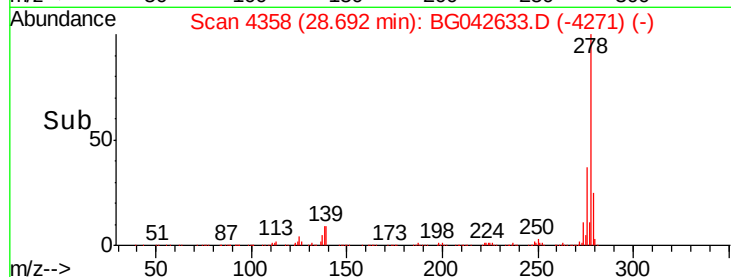
279 24.6 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 53.102 ng

RT: 29.80 min Scan# 4546

Delta R.T. -0.02 min

Lab File: BG042633.D

Acq: 31 Aug 2019 13:56

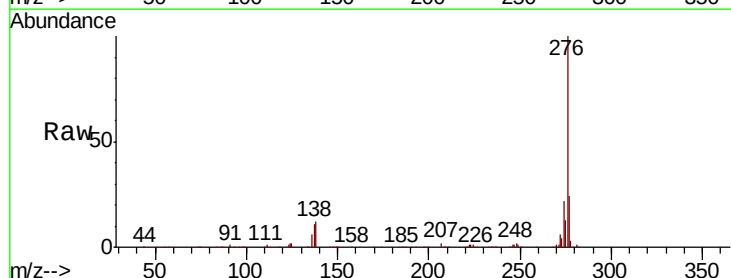
Tgt Ion:276 Resp: 863822

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 12.0 11.4 17.0



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

