

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\  
 Data File : BG043705.D  
 Acq On : 19 Nov 2019 19:34  
 Operator : JU  
 Sample : K5865-23MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 20 02:48:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 19 15:23:15 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.99  | 152  | 28013    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.80 | 136  | 116292   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.62 | 164  | 85334    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.37 | 188  | 213975   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.64 | 240  | 230078   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.81 | 264  | 273309   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 218187 | 142.73 | ng | 0.00 |
| 7) Phenol-d6             | 7.19  | 99  | 307124 | 139.64 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.15  | 82  | 185454 | 82.22  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.12 | 330 | 190438 | 117.27 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.25 | 172 | 501561 | 81.22  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.98 | 244 | 998993 | 81.46  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.45  | 88  | 21232  | 35.640 | ng | 98     |
| 3) Pyridine                    | 3.85  | 79  | 53896  | 35.865 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.76  | 42  | 37997  | 50.108 | ng | 97     |
| 6) Aniline                     | 7.32  | 93  | 71871  | 28.366 | ng | 97     |
| 8) 2-Chlorophenol              | 7.56  | 128 | 87356  | 51.766 | ng | 96     |
| 9) Benzaldehyde                | 7.13  | 77  | 40946  | 37.881 | ng | 94     |
| 10) Phenol                     | 7.21  | 94  | 122762 | 61.080 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.41  | 93  | 70182  | 45.165 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 7.88  | 146 | 91368  | 43.214 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.02  | 146 | 94656  | 44.248 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.35  | 146 | 91931  | 44.014 | ng | 93     |
| 15) Benzyl Alcohol             | 8.24  | 79  | 72528  | 46.953 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52  | 45  | 102112 | 45.192 | ng | 98     |
| 17) 2-Methylphenol             | 8.46  | 107 | 74811  | 51.059 | ng | 97     |
| 18) Hexachloroethane           | 9.07  | 117 | 33360  | 43.224 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.79  | 70  | 66429  | 46.740 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.79  | 107 | 101706 | 50.622 | ng | 96     |
| 22) Acetophenone               | 8.82  | 105 | 128168 | 43.037 | ng | # 97   |
| 24) Nitrobenzene               | 9.20  | 77  | 98791  | 45.975 | ng | 98     |
| 25) Isophorone                 | 9.71  | 82  | 189054 | 45.842 | ng | 97     |
| 26) 2-Nitrophenol              | 9.91  | 139 | 50404  | 48.586 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 9.98  | 122 | 84764  | 57.007 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.20 | 93  | 100034 | 43.949 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.46 | 162 | 94736  | 49.727 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.65 | 180 | 103791 | 43.226 | ng | 97     |
| 31) Naphthalene                | 10.84 | 128 | 273760 | 46.377 | ng | 100    |
| 32) Benzoic acid               | 10.17 | 122 | 39013  | 36.934 | ng | 95     |
| 33) 4-Chloroaniline            | 10.98 | 127 | 10654  | 4.403  | ng | # 91   |
| 34) Hexachlorobutadiene        | 11.13 | 225 | 73412  | 41.359 | ng | 97     |
| 35) Caprolactam                | 11.74 | 113 | 14880  | 22.678 | ng | # 91   |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107 | 102386 | 49.269 | ng | 89     |
| 37) 2-Methylnaphthalene        | 12.45 | 142 | 209158 | 46.180 | ng | 96     |
| 38) 1-Methylnaphthalene        | 12.67 | 142 | 202363 | 46.958 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216 | 138678 | 43.912 | ng | 99     |

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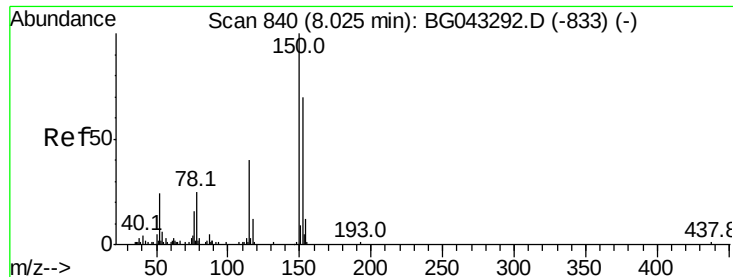
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 20 02:48:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 19 15:23:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.79 | 237  | 136283   | 82.150 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.06 | 196  | 88163    | 47.404 | ng    | 92       |
| 44) 2,4,5-Trichlorophenol      | 13.16 | 196  | 94727    | 50.380 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.46 | 154  | 286872   | 44.190 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.50 | 162  | 223388   | 45.226 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.71 | 65   | 68762    | 46.578 | ng    | 98       |
| 49) Acenaphthylene             | 14.34 | 152  | 367494   | 47.805 | ng    | 99       |
| 50) Dimethylphthalate          | 14.08 | 163  | 378487   | 57.262 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 14.20 | 165  | 69601    | 48.470 | ng    | 93       |
| 52) Acenaphthene               | 14.69 | 154  | 213471   | 45.535 | ng    | 98       |
| 53) 3-Nitroaniline             | 14.54 | 138  | 25018    | 18.046 | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 14.74 | 184  | 77506    | 85.851 | ng    | 92       |
| 55) Dibenzofuran               | 15.02 | 168  | 360424   | 47.409 | ng    | 97       |
| 56) 4-Nitrophenol              | 14.89 | 139  | 91313    | 98.286 | ng    | 84       |
| 57) 2,4-Dinitrotoluene         | 14.99 | 165  | 97433    | 47.479 | ng    | 96       |
| 58) Fluorene                   | 15.67 | 166  | 300866   | 47.185 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.26 | 232  | 98279    | 49.197 | ng    | 99       |
| 60) Diethylphthalate           | 15.44 | 149  | 303775   | 45.740 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.66 | 204  | 170898   | 45.943 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.71 | 138  | 63119    | 44.084 | ng    | 93       |
| 63) Azobenzene                 | 15.95 | 77   | 256369   | 47.697 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.76 | 198  | 61924    | 49.175 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.88 | 169  | 264940   | 43.856 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.55 | 248  | 119578   | 41.526 | ng    | 95       |
| 68) Hexachlorobenzene          | 16.68 | 284  | 136741   | 41.368 | ng    | 96       |
| 69) Atrazine                   | 16.82 | 200  | 114984   | 54.777 | ng    | 98       |
| 70) Pentachlorophenol          | 17.03 | 266  | 133511   | 88.643 | ng    | 98       |
| 71) Phenanthrene               | 17.41 | 178  | 487776   | 44.517 | ng    | 98       |
| 72) Anthracene                 | 17.51 | 178  | 509640   | 46.488 | ng    | 98       |
| 73) Carbazole                  | 17.78 | 167  | 451285   | 45.457 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.32 | 149  | 535453   | 44.452 | ng    | 99       |
| 75) Fluoranthene               | 19.42 | 202  | 653350   | 45.738 | ng    | 99       |
| 77) Benzidine                  | 19.60 | 184  | 372396   | 80.424 | ng    | # 96     |
| 78) Pyrene                     | 19.79 | 202  | 654960   | 45.989 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.67 | 149  | 245980   | 45.589 | ng    | 94       |
| 81) Benzo(a)anthracene         | 21.61 | 228  | 678239   | 47.061 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.53 | 252  | 149865   | 26.885 | ng    | 95       |
| 83) Chrysene                   | 21.68 | 228  | 659577   | 46.062 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.51 | 149  | 362519   | 47.299 | ng    | 96       |
| 85) Di-n-octyl phthalate       | 22.71 | 149  | 621722   | 47.813 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.43 | 276  | 858769   | 47.777 | ng    | # 94     |
| 88) Benzo(b)fluoranthene       | 23.81 | 252  | 726565   | 46.938 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.87 | 252  | 712548   | 45.725 | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.67 | 252  | 671014   | 45.395 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.49 | 278  | 724801   | 47.938 | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 29.57 | 276  | 718913   | 48.204 | ng    | 96       |

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



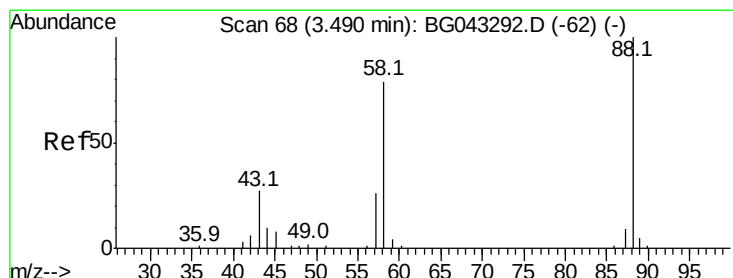
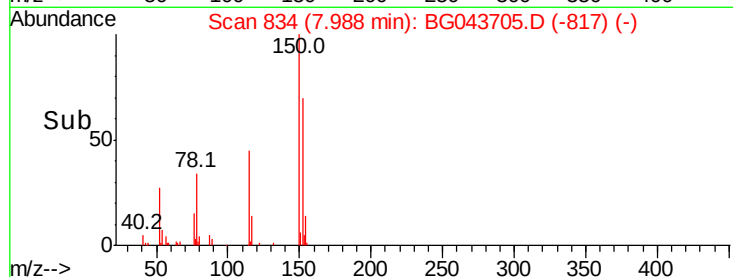
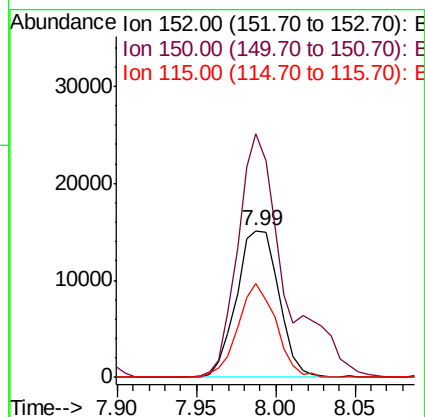
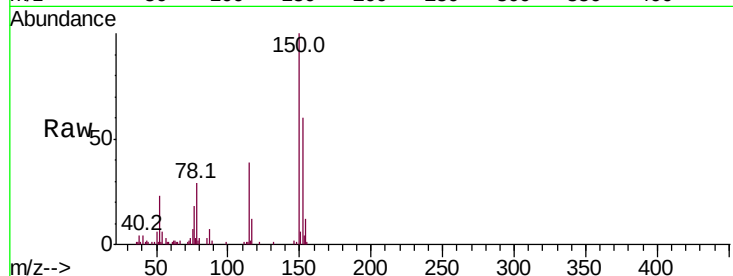


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 834  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Instrument :  
BNA\_G  
ClientSampleId :

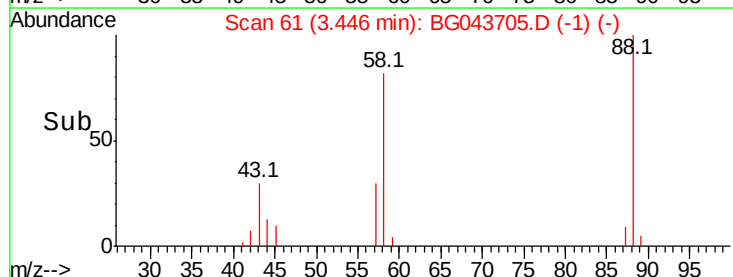
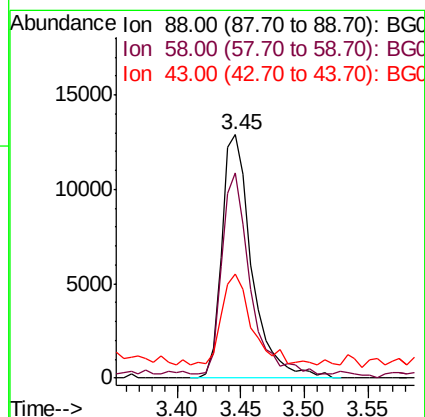
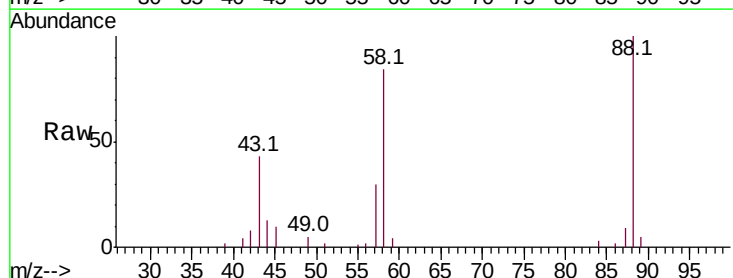
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Ion Ratio Lower Upper  
152 100  
150 166.4 116.6 175.0  
115 64.1 40.5 60.7#

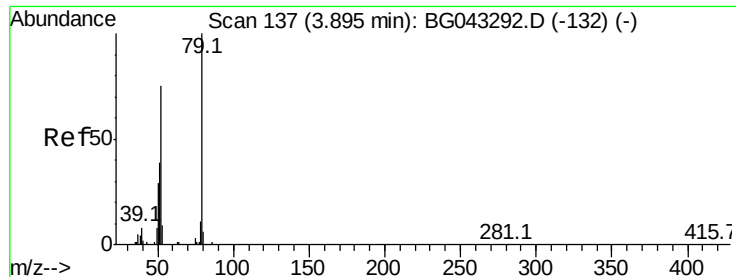


#2

1,4-Dioxane  
Concen: 35.640 ng  
RT: 3.45 min Scan# 61  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Tgt Ion: 88 Resp: 21232  
Ion Ratio Lower Upper  
88 100  
58 76.6 62.2 93.4  
43 36.2 30.1 45.1





#3

Pvridine

Concen: 35.865 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

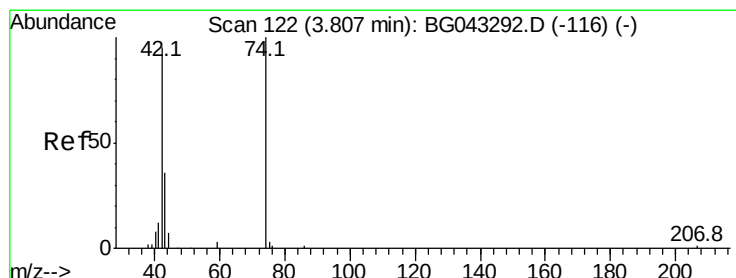
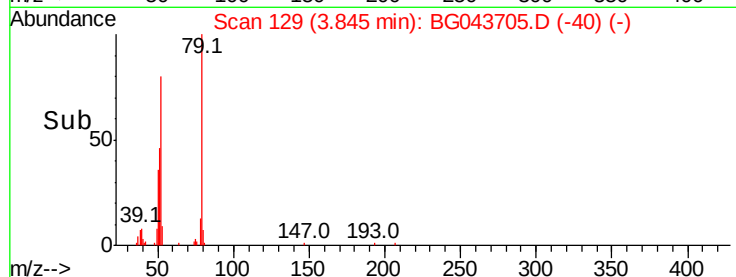
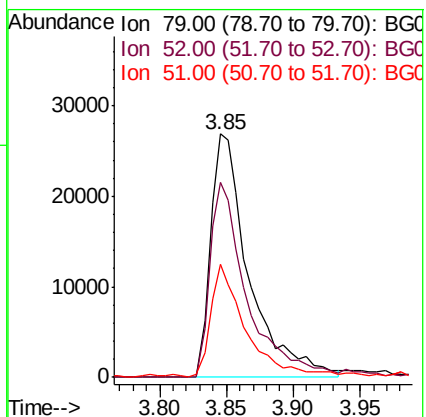
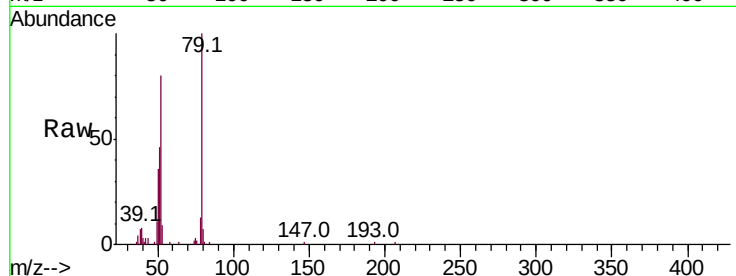
Tot Ion: 79 Resp: 53896

Ion Ratio Lower Upper

79 100

52 79.9 63.2 94.8

51 46.2 34.5 51.7



#4

n-Nitrosodimethylamine

Concen: 50.108 ng

RT: 3.76 min Scan# 115

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

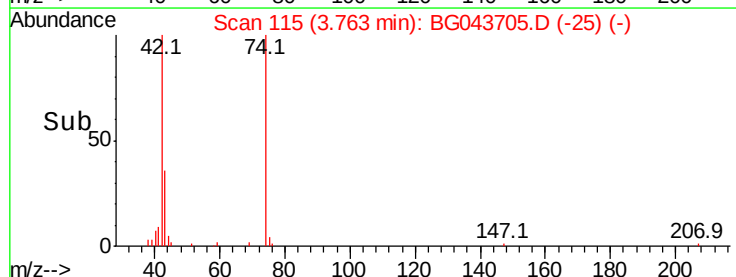
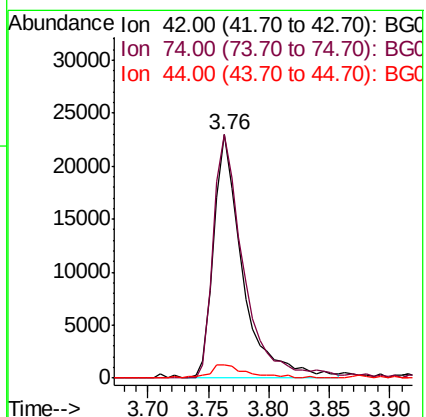
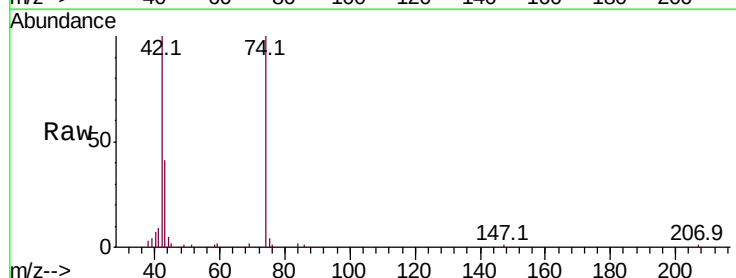
Tgt Ion: 42 Resp: 37997

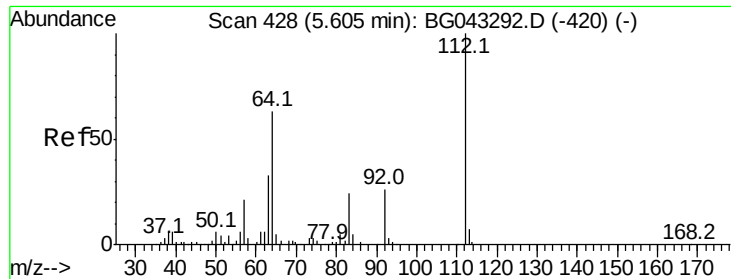
Ion Ratio Lower Upper

42 100

74 100.1 83.0 124.6

44 5.4 4.4 6.6





#5

2-Fluorophenol

Concen: 142.725 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

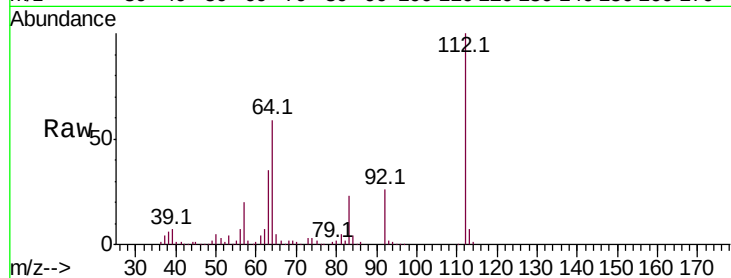
Tot Ion:112 Resp: 218187

Ion Ratio Lower Upper

112 100

64 59.5 50.6 75.8

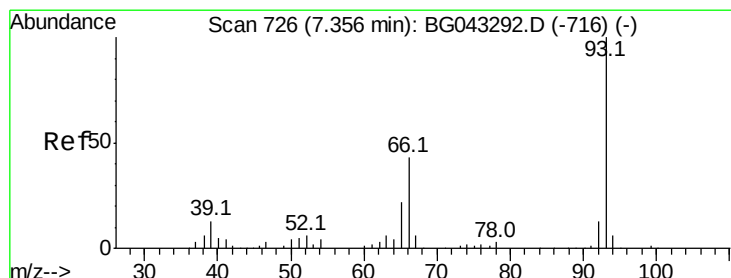
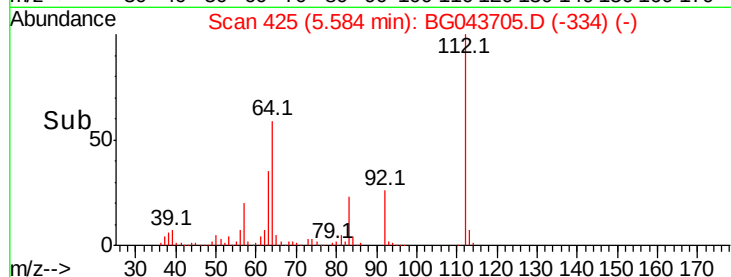
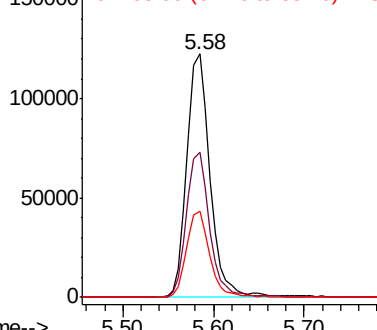
63 35.3 30.5 45.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 28.366 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

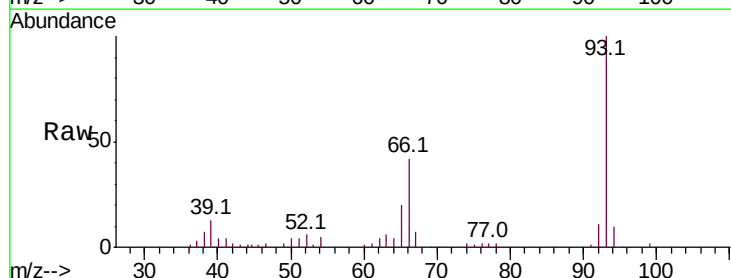
Tgt Ion: 93 Resp: 71871

Ion Ratio Lower Upper

93 100

66 42.3 35.4 53.2

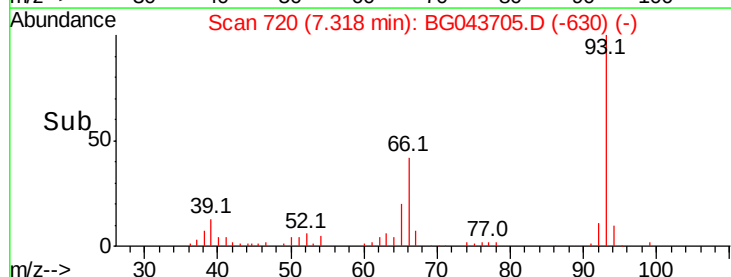
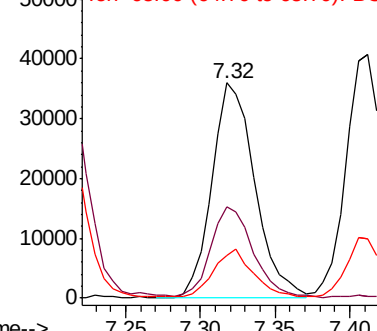
65 19.7 17.1 25.7

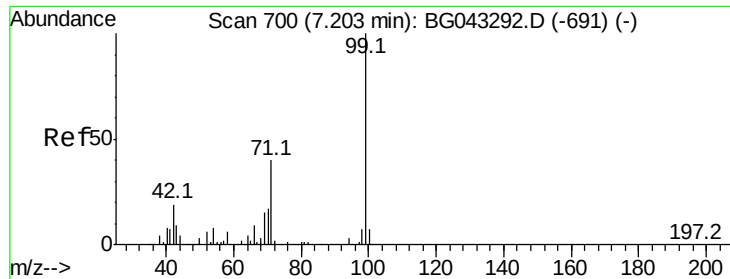


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 139.636 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampled :

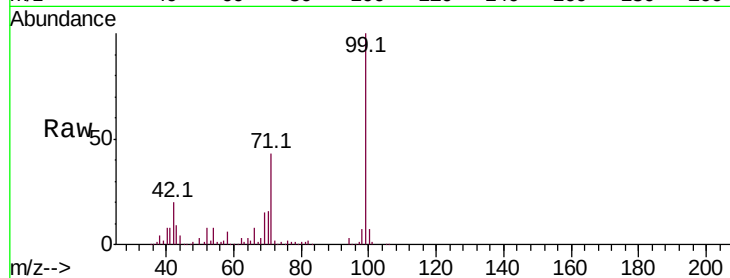
Tot Ion: 99 Resp: 307124

Ion Ratio Lower Upper

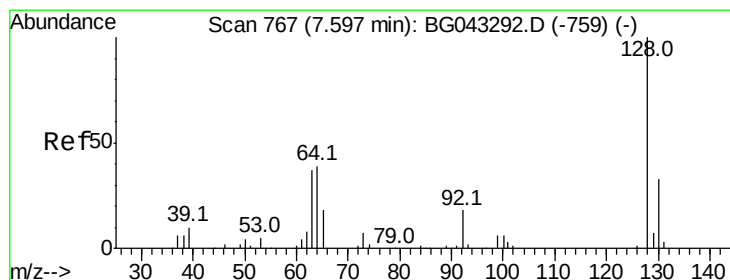
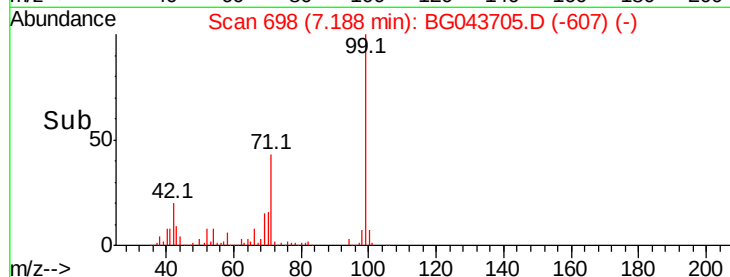
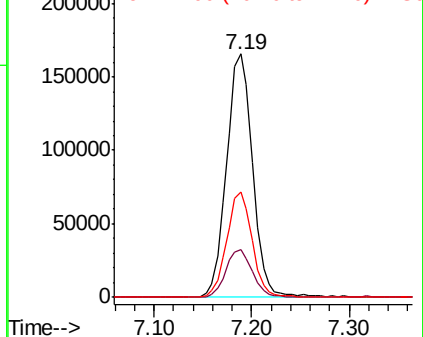
99 100

42 19.8 15.8 23.8

71 43.2 34.4 51.6



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



#8

2-Chlorophenol

Concen: 51.766 ng

RT: 7.56 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

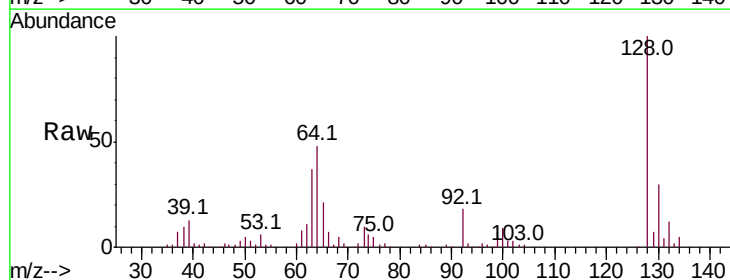
Tgt Ion: 128 Resp: 87356

Ion Ratio Lower Upper

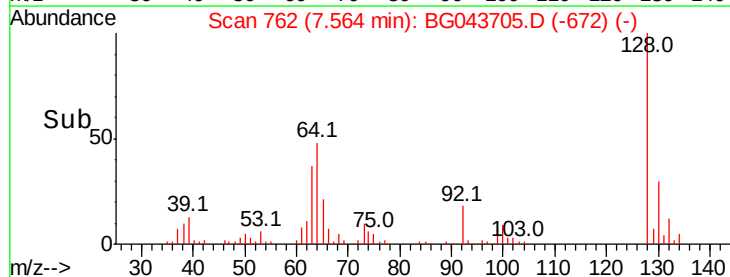
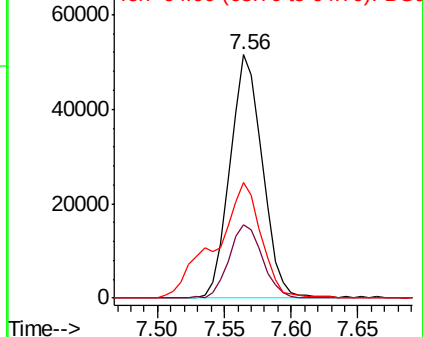
128 100

130 30.1 14.5 54.5

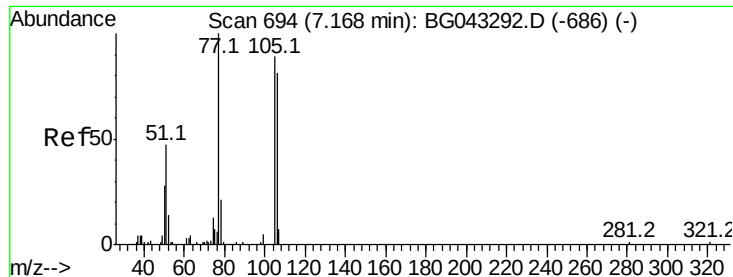
64 47.7 29.2 69.2



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







#9

Benzaldehyde

Concen: 37.881 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

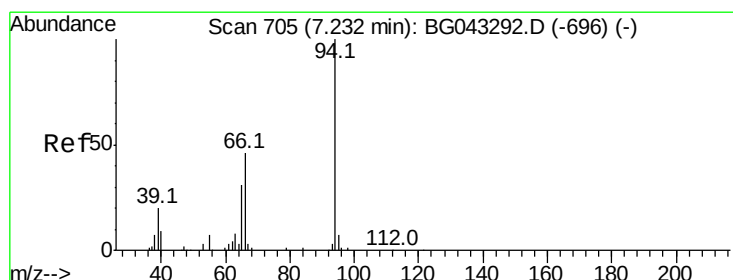
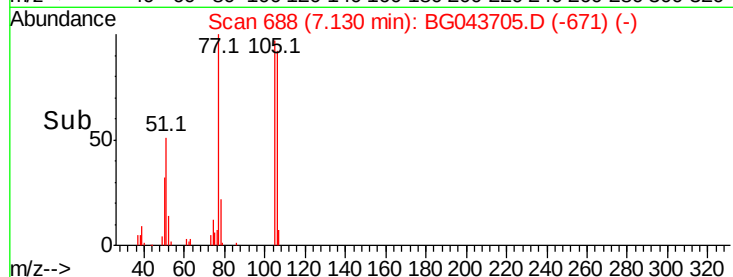
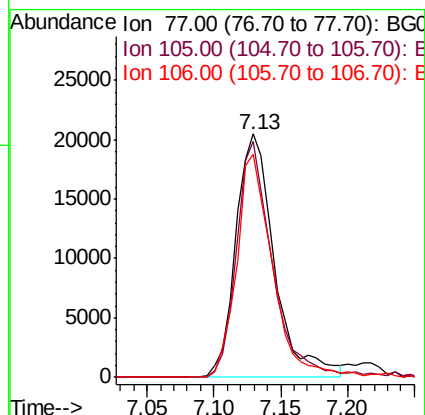
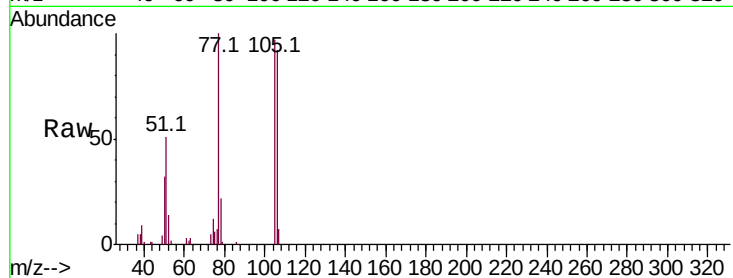
Tot Ion: 77 Resp: 40946

Ion Ratio Lower Upper

77 100

105 96.8 84.9 124.9

106 91.8 75.1 115.1



#10

Phenol

Concen: 61.080 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

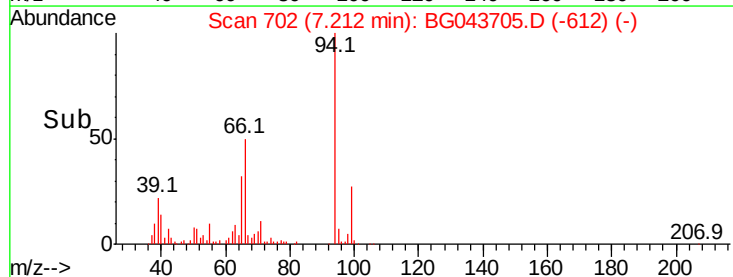
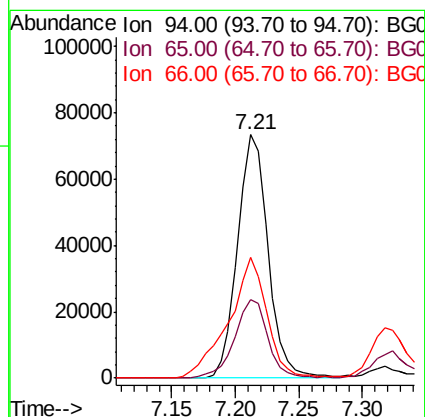
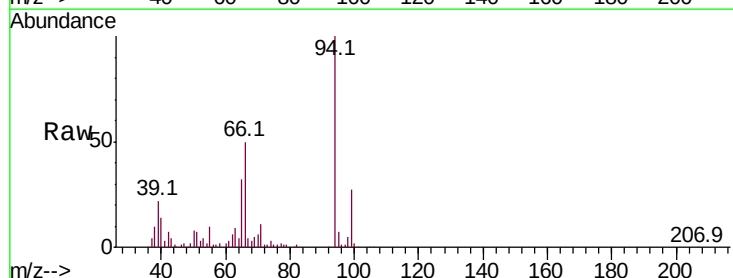
Tgt Ion: 94 Resp: 122762

Ion Ratio Lower Upper

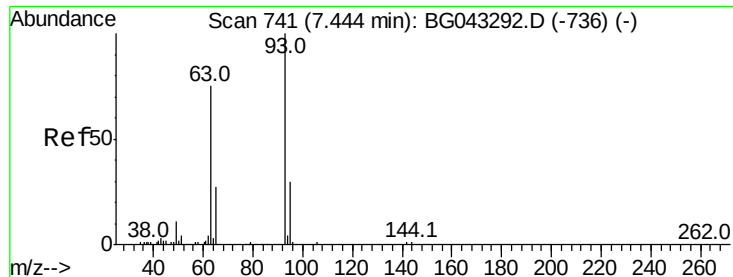
94 100

65 32.2 11.4 51.4

66 49.6 28.4 68.4





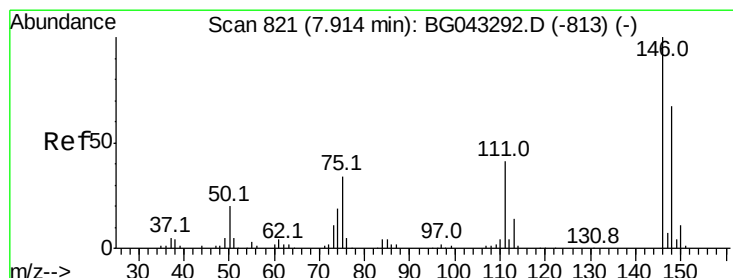
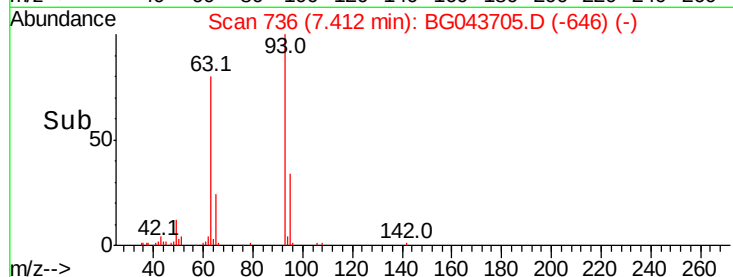
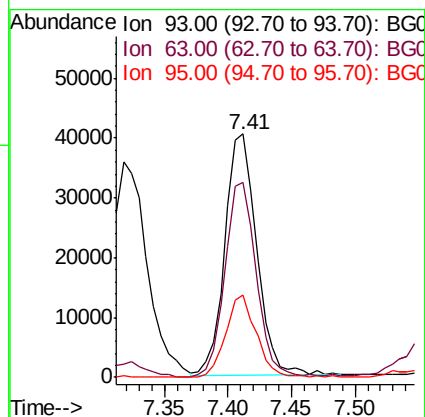
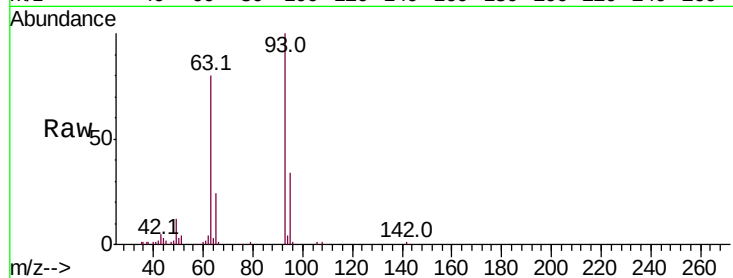


#11

bis(2-Chloroethyl)ether  
Concen: 45.165 ng  
RT: 7.41 min Scan# 736  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Instrument :  
BNA\_G  
ClientSampleId :

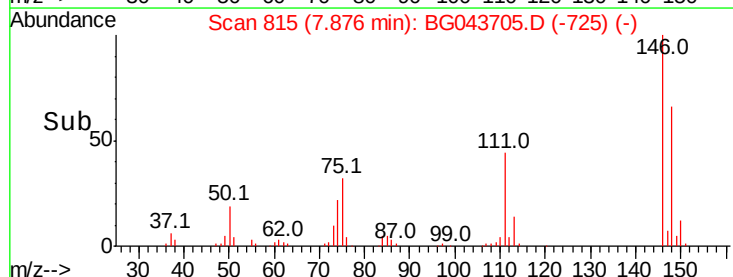
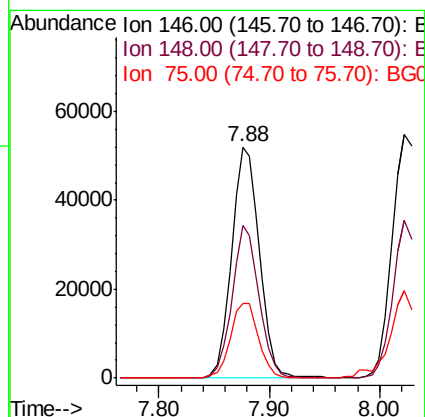
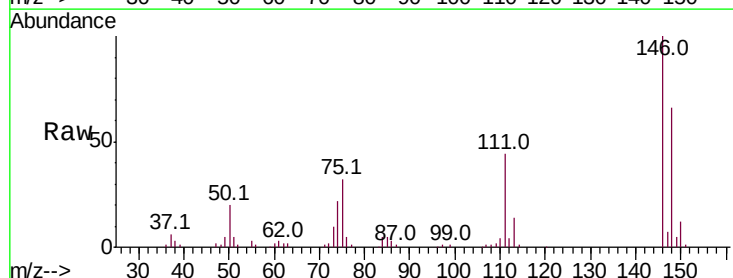
Tot Ion: 93 Resp: 70182  
Ion Ratio Lower Upper  
93 100  
63 79.9 54.9 94.9  
95 33.6 7.2 47.2

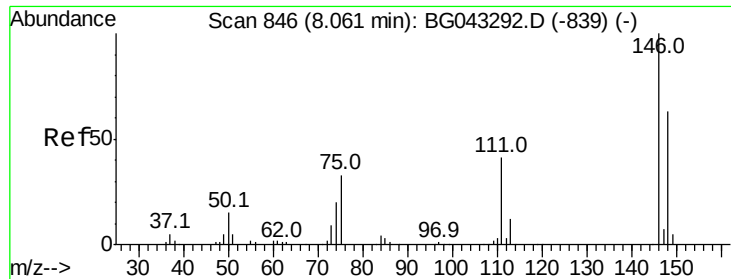


#12

1,3-Dichlorobenzene  
Concen: 43.214 ng  
RT: 7.88 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Tgt Ion: 146 Resp: 91368  
Ion Ratio Lower Upper  
146 100  
148 66.2 51.4 77.2  
75 32.3 26.2 39.2

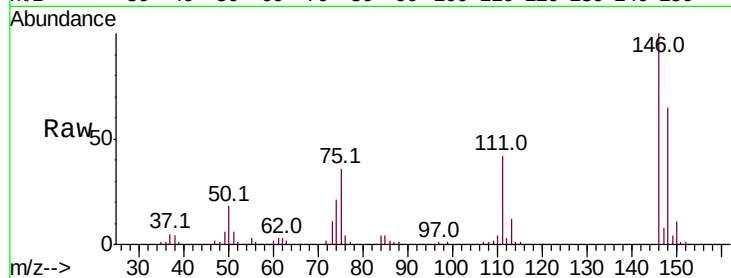




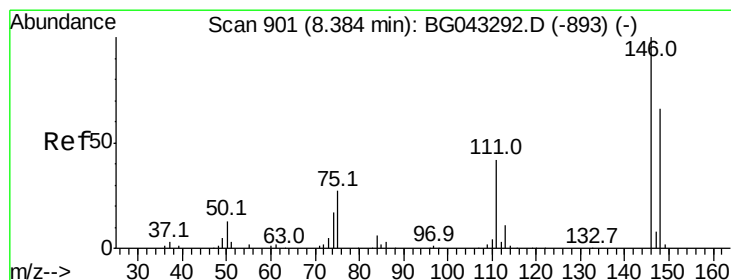
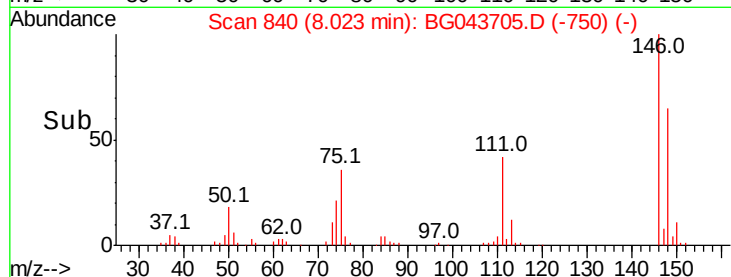
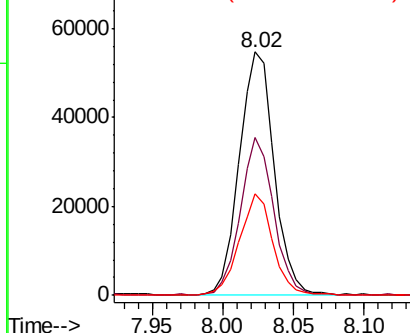
#13  
 1,4-Dichlorobenzene  
 Concen: 44.248 ng  
 RT: 8.02 min Scan# 840  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 94656  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 51.0 76.6  
 111 41.6 34.3 51.5

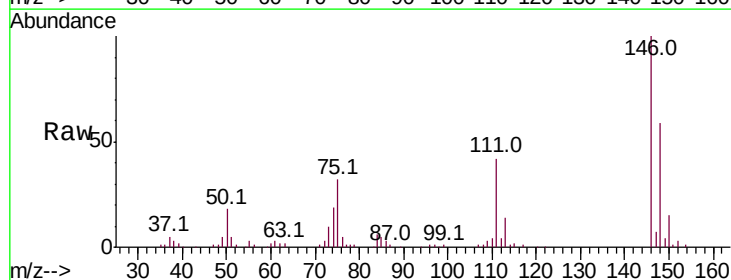


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

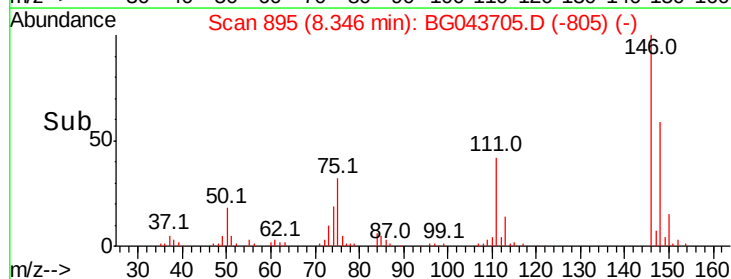
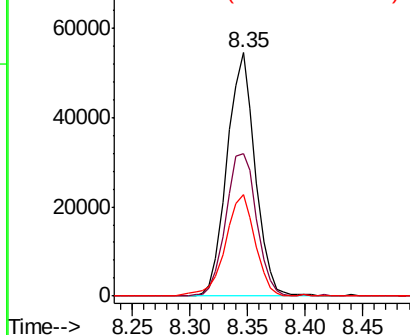


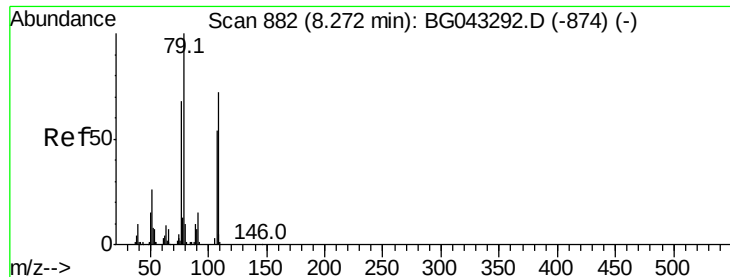
#14  
 1,2-Dichlorobenzene  
 Concen: 44.014 ng  
 RT: 8.35 min Scan# 895  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Tgt Ion:146 Resp: 91931  
 Ion Ratio Lower Upper  
 146 100  
 148 58.8 53.4 80.2  
 111 41.7 35.3 52.9



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: 46.953 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

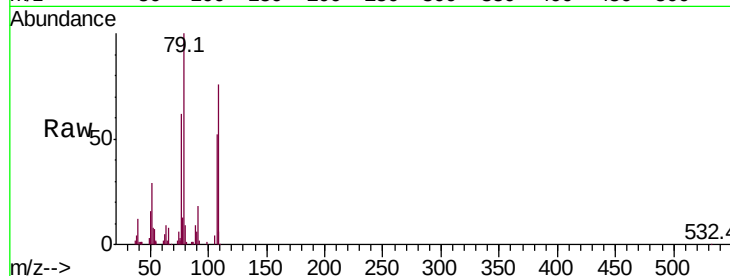
Tot Ion: 79 Resp: 72528

Ion Ratio Lower Upper

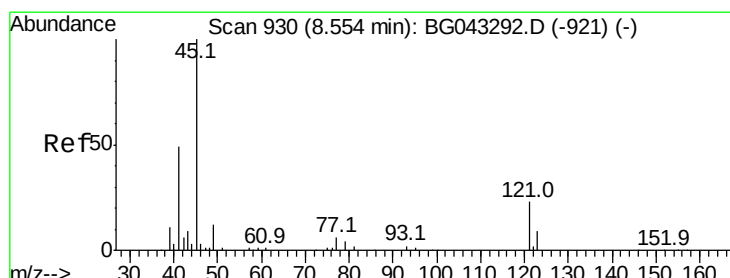
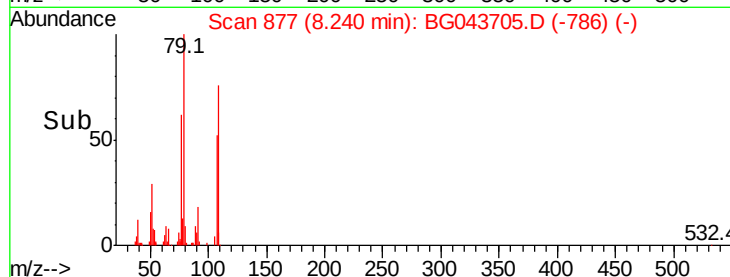
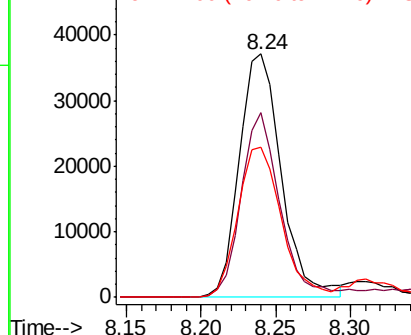
79 100

108 75.6 56.0 84.0

77 61.7 47.9 71.9



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.192 ng

RT: 8.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

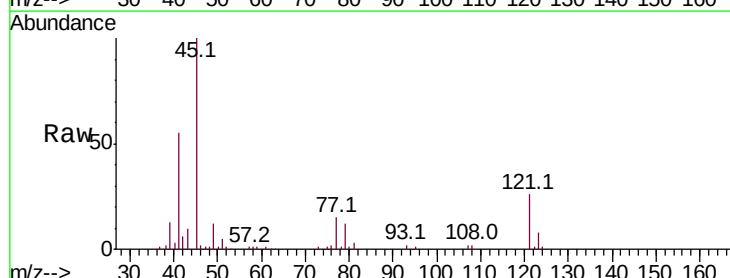
Tgt Ion: 45 Resp: 102112

Ion Ratio Lower Upper

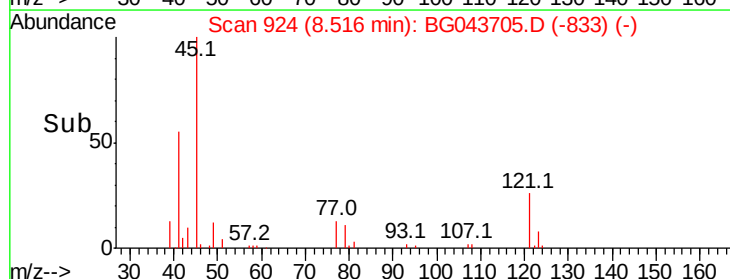
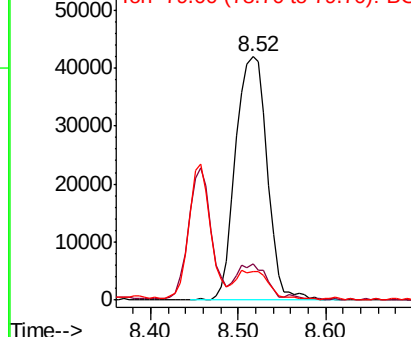
45 100

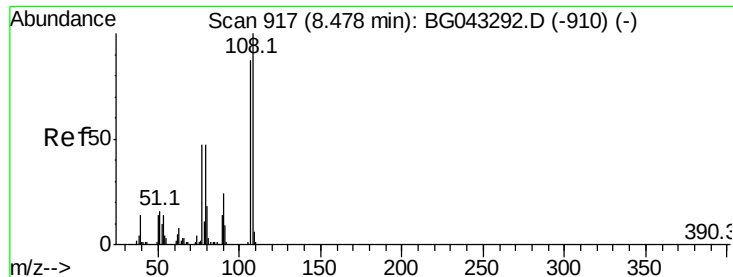
77 14.7 0.0 35.2

79 11.7 0.0 32.4



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





#17

2-Methylphenol

Concen: 51.059 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 74811

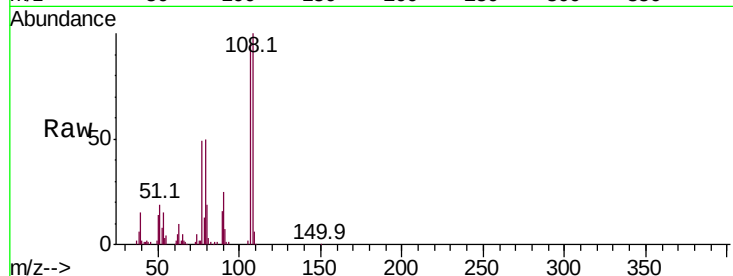
Ion Ratio Lower Upper

107 100

108 105.0 84.7 127.1

77 51.2 46.2 69.4

79 52.6 41.0 61.6

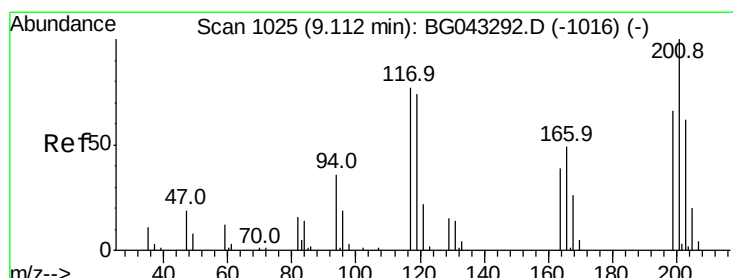
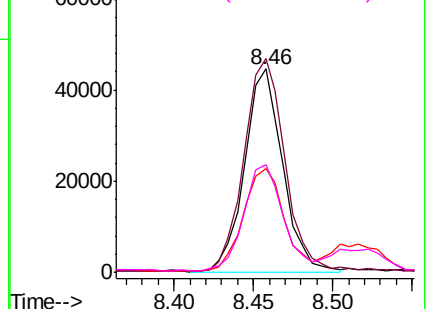
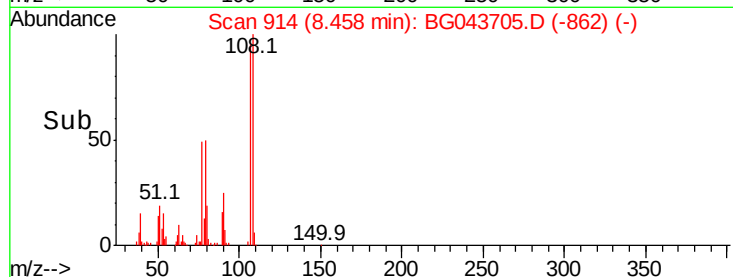


Abundance Ion 107.00 (106.70 to 107.70): E

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: 43.224 ng

RT: 9.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

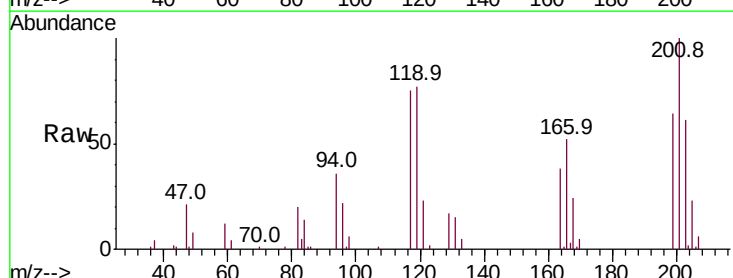
Tgt Ion:117 Resp: 33360

Ion Ratio Lower Upper

117 100

119 102.8 81.7 122.5

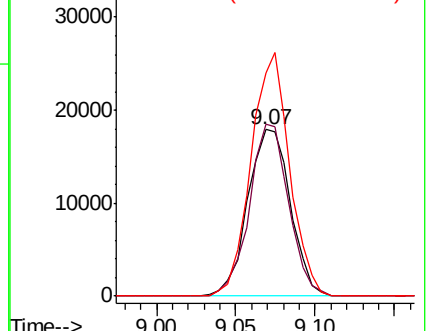
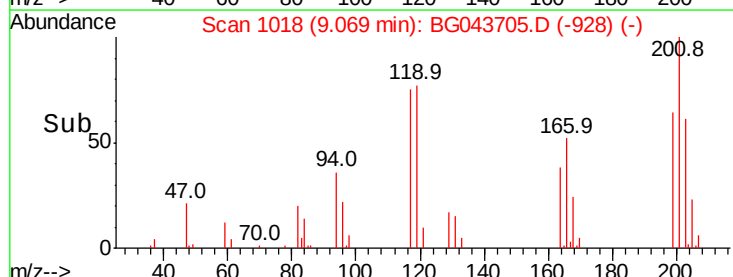
201 134.1 98.6 147.8

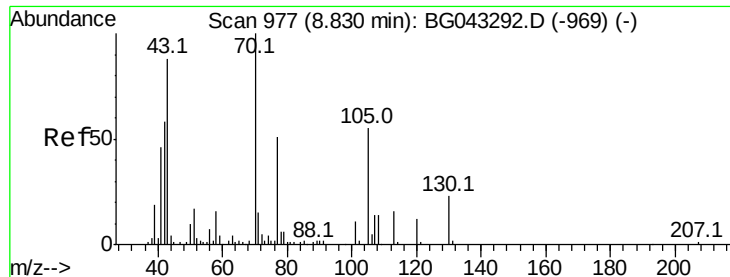


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

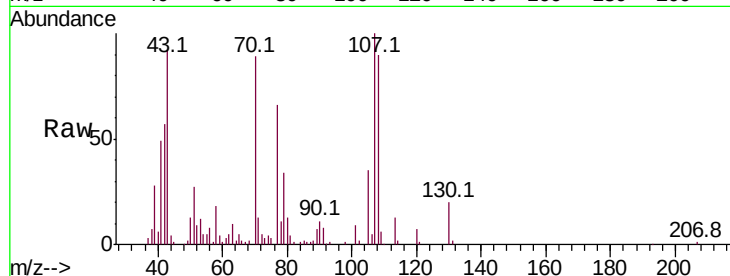




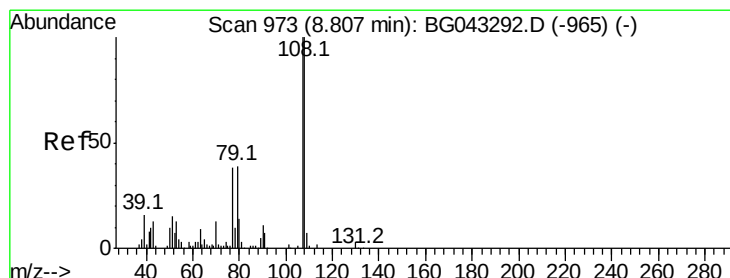
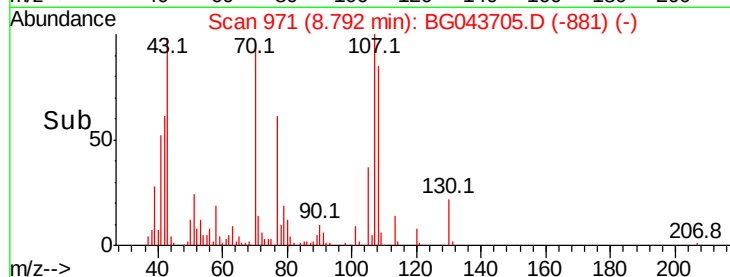
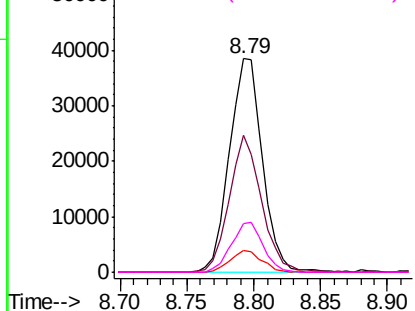
#19  
n-Nitroso-di-n-propylamine  
Concen: 46.740 ng  
RT: 8.79 min Scan# 971  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 66429  
Ion Ratio Lower Upper  
70 100  
42 64.4 49.7 74.5  
101 10.0 9.7 14.5  
130 22.7 17.7 26.5

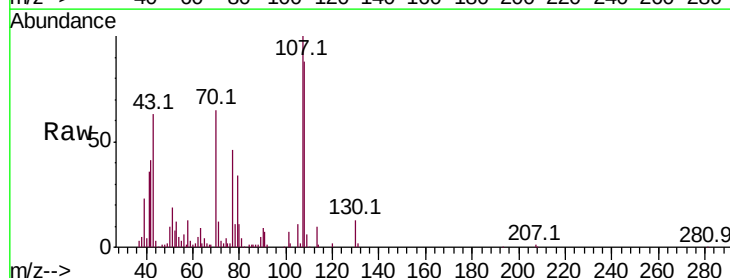


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

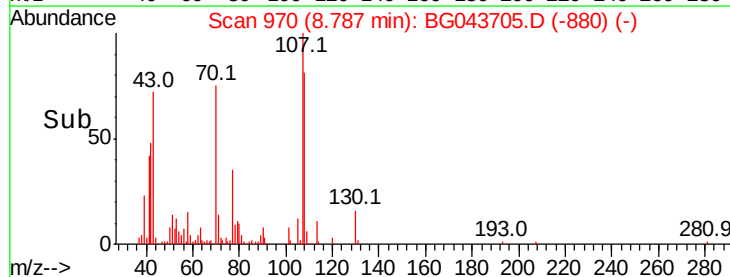
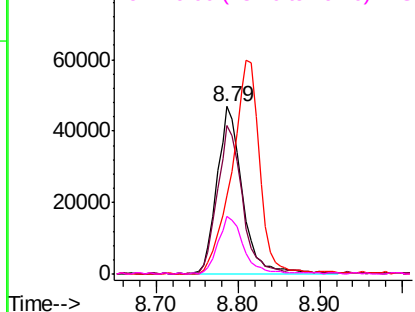


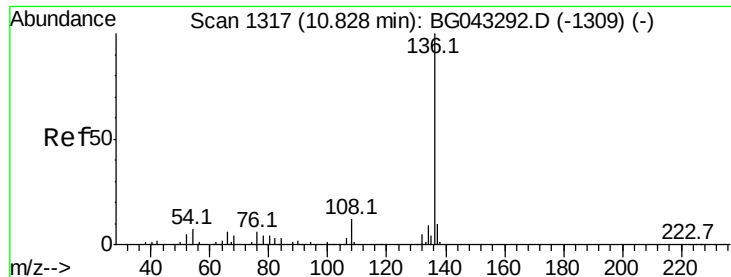
#20  
3+4-Methylphenols  
Concen: 50.622 ng  
RT: 8.79 min Scan# 970  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Tgt Ion:107 Resp: 101706  
Ion Ratio Lower Upper  
107 100  
108 88.4 69.5 109.5  
77 46.4 32.8 72.8  
79 34.2 15.3 55.3



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

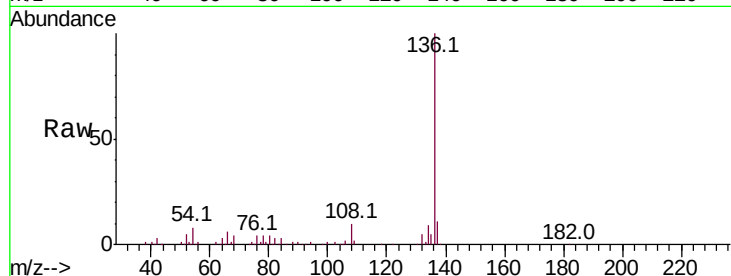




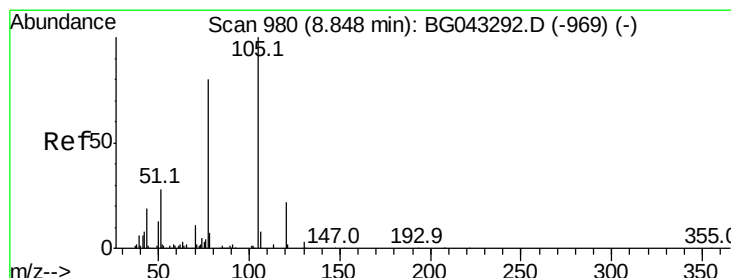
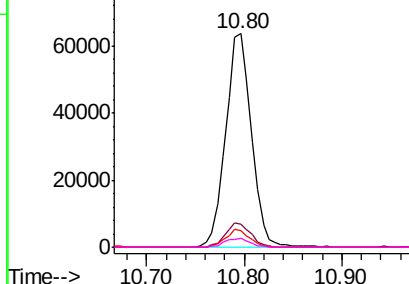
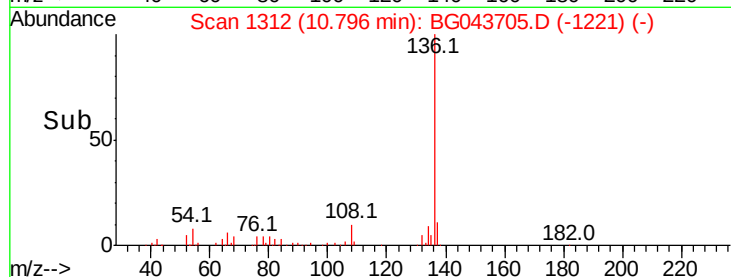
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.80 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Instrument :  
BNA\_G  
ClientSampled :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 116292   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 8.8 13.2 |
| 54          | 7.6   | 6.2 9.2  |
| 68          | 4.4   | 3.4 5.0  |

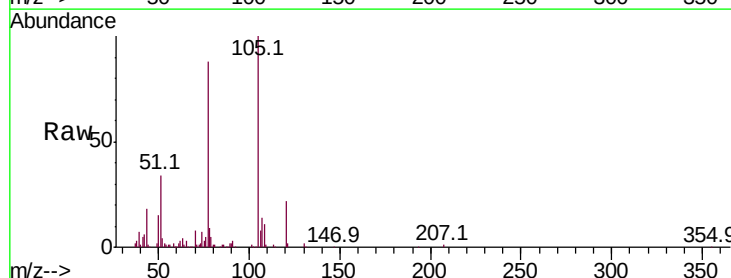


Abundance Ion 136.00 (135.70 to 136.70): E  
100000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

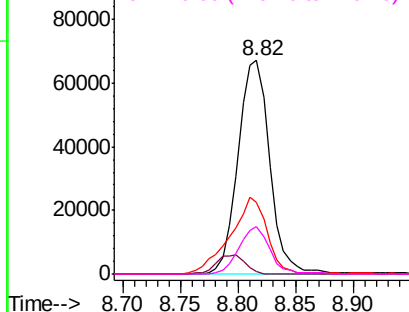
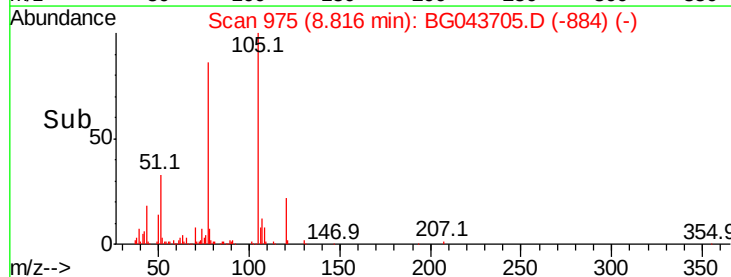


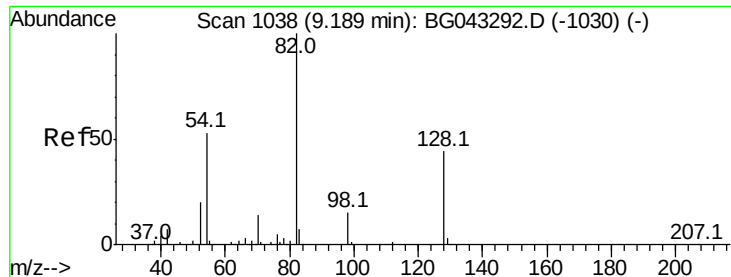
#22  
Acetophenone  
Concen: 43.037 ng  
RT: 8.82 min Scan# 975  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 128168    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 1.2   | 1.5 2.3#  |
| 51          | 33.8  | 25.0 37.6 |
| 120         | 22.2  | 18.3 27.5 |



Abundance Ion 105.00 (104.70 to 105.70): E  
100000  
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

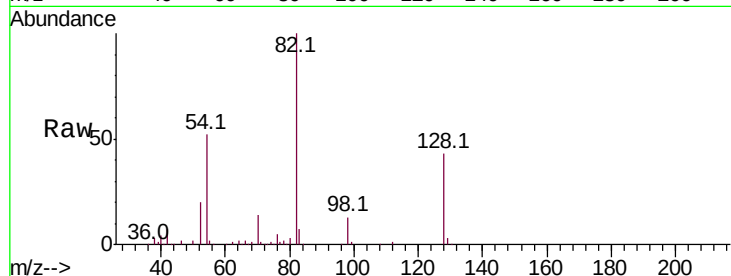




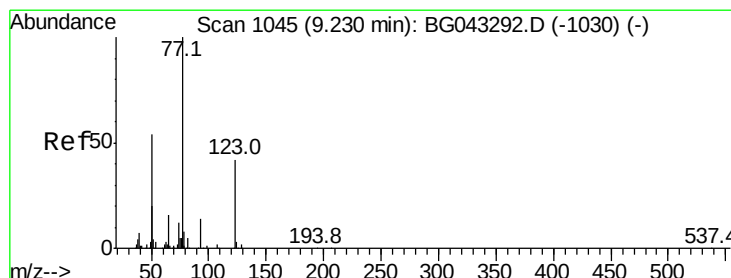
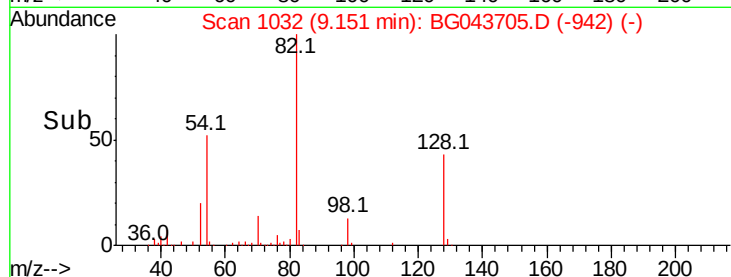
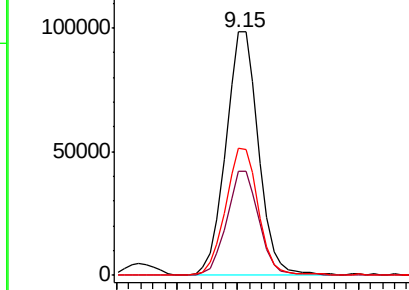
#23  
Nitrobenzene-d5  
Concen: 82.215 ng  
RT: 9.15 min Scan# 1032  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 82 Resp: 185454  
Ion Ratio Lower Upper  
82 100  
128 42.5 34.2 51.4  
54 52.3 44.7 67.1

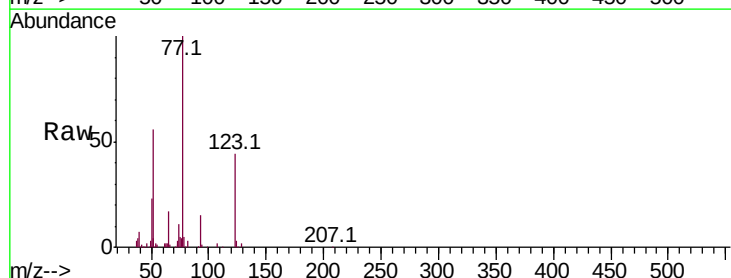


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

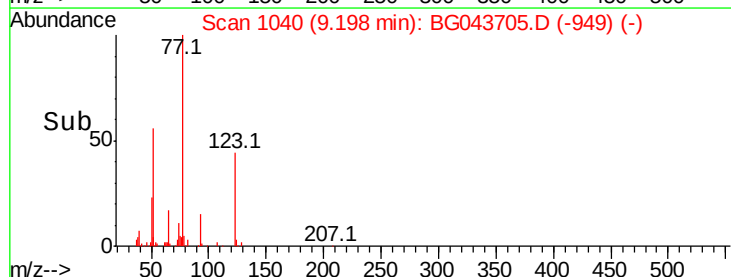
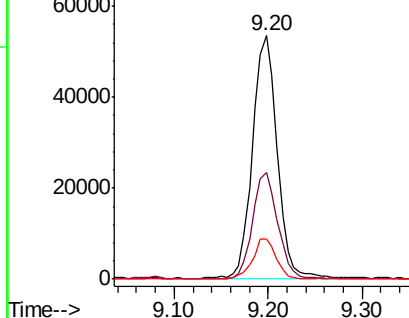


#24  
Nitrobenzene  
Concen: 45.975 ng  
RT: 9.20 min Scan# 1040  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

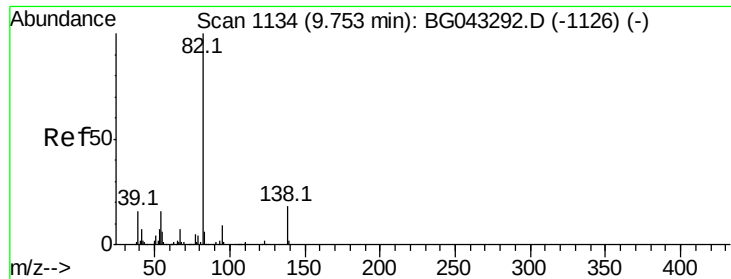
Tgt Ion: 77 Resp: 98791  
Ion Ratio Lower Upper  
77 100  
123 43.8 33.6 50.4  
65 16.6 12.9 19.3



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: 45.842 ng

RT: 9.71 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampled :

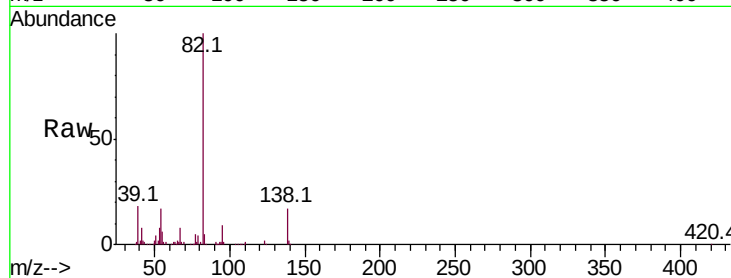
Tot Ion: 82 Resp: 189054

Ion Ratio Lower Upper

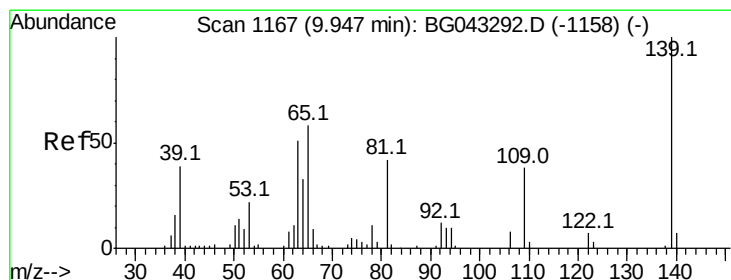
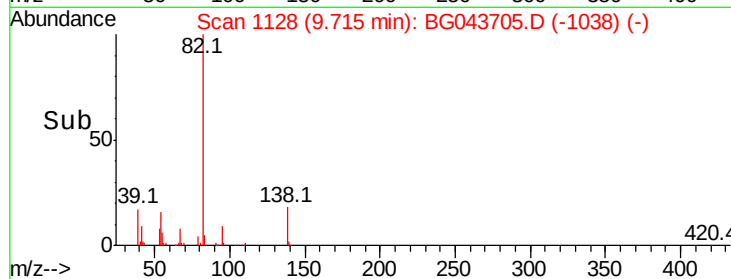
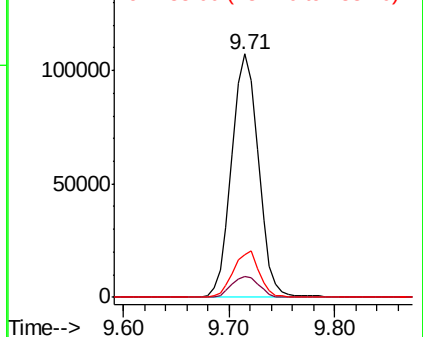
82 100

95 8.7 7.4 11.0

138 17.5 15.1 22.7



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: 48.586 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

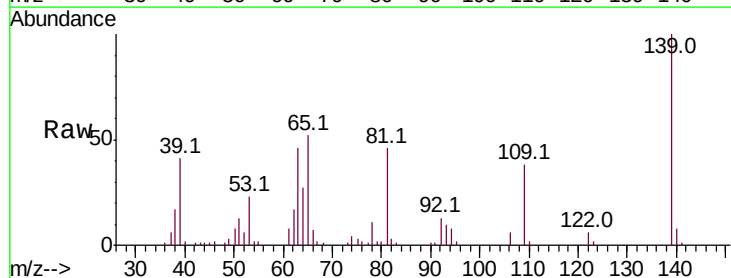
Tgt Ion: 139 Resp: 50404

Ion Ratio Lower Upper

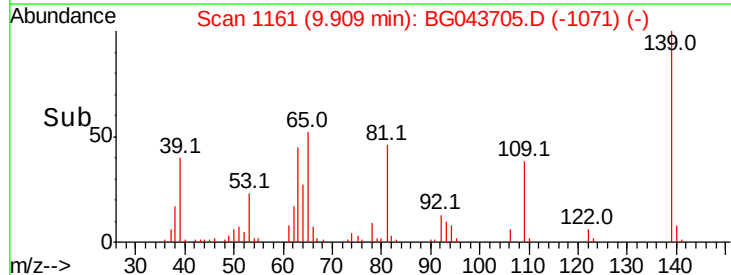
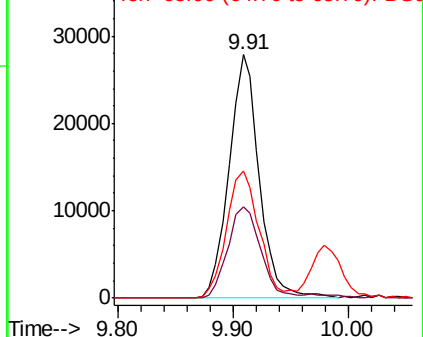
139 100

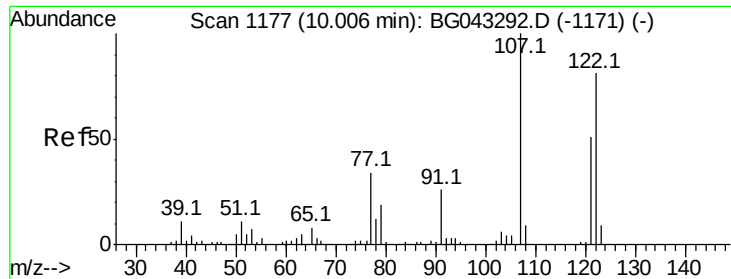
109 37.5 32.6 48.8

65 52.2 47.6 71.4



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

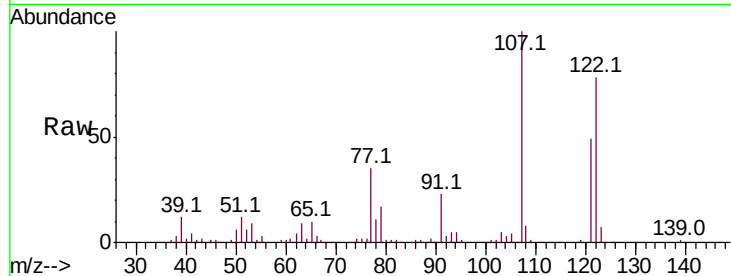




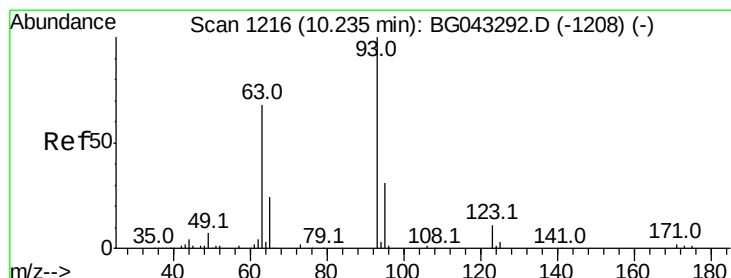
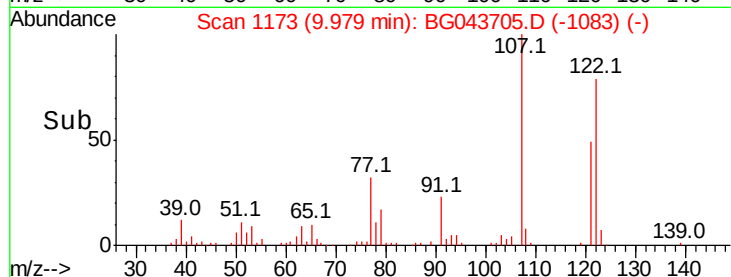
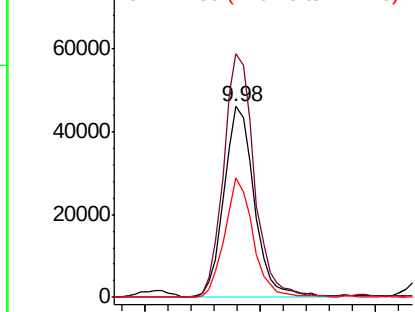
#27  
 2,4-Dimethylphenol  
 Concen: 57.007 ng  
 RT: 9.98 min Scan# 1173  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:122 Resp: 84764  
 Ion Ratio Lower Upper  
 122 100  
 107 127.6 100.7 151.1  
 121 62.5 47.0 70.4

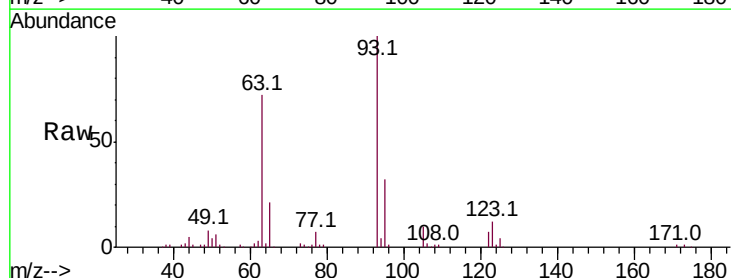


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

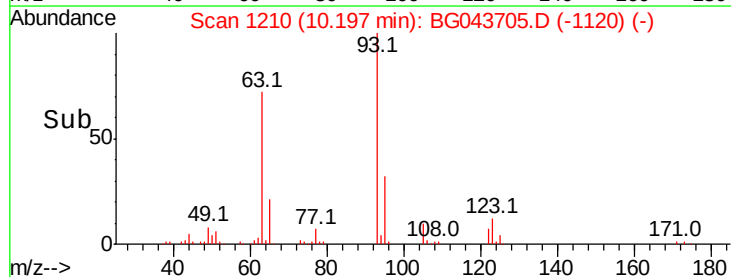
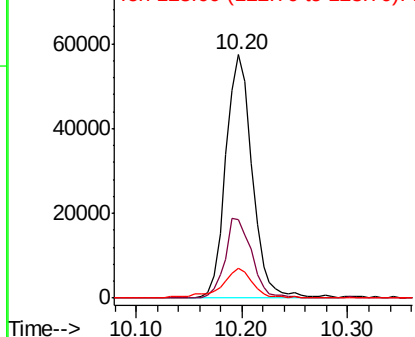


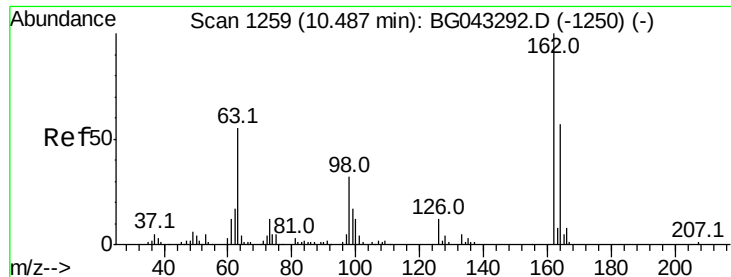
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.949 ng  
 RT: 10.20 min Scan# 1210  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Tgt Ion: 93 Resp: 100034  
 Ion Ratio Lower Upper  
 93 100  
 95 32.1 27.5 41.3  
 123 12.0 10.7 16.1



Abundance Ion 93.00 (92.70 to 93.70): BGC  
 Ion 95.00 (94.70 to 95.70): BGC  
 Ion 123.00 (122.70 to 123.70): E

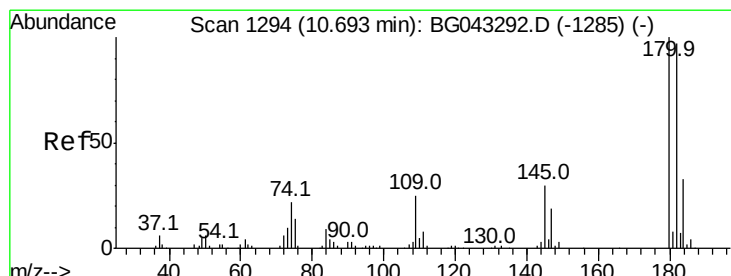
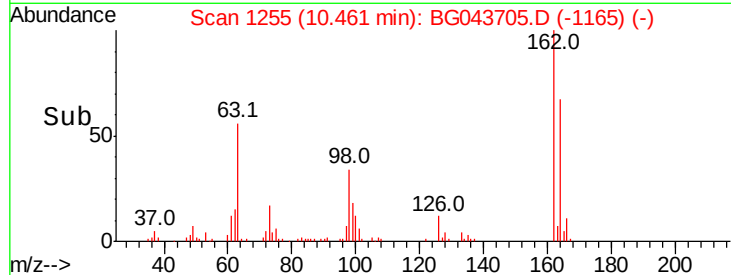
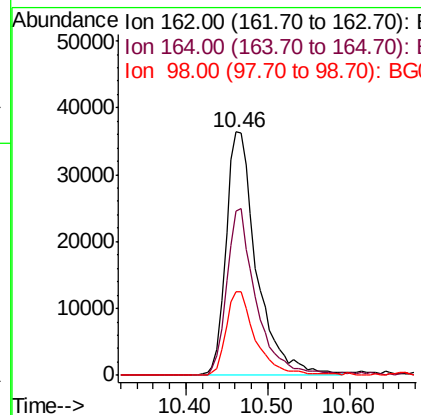
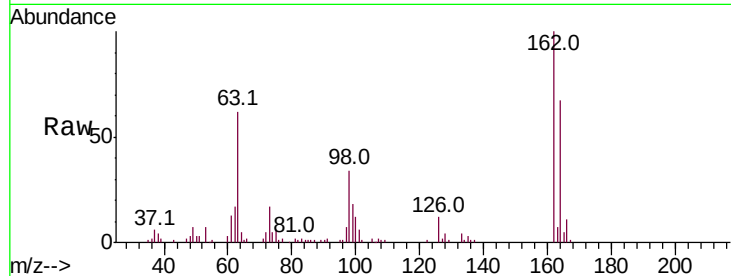




#29  
 2,4-Dichlorophenol  
 Concen: 49.727 ng  
 RT: 10.46 min Scan# 1255  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

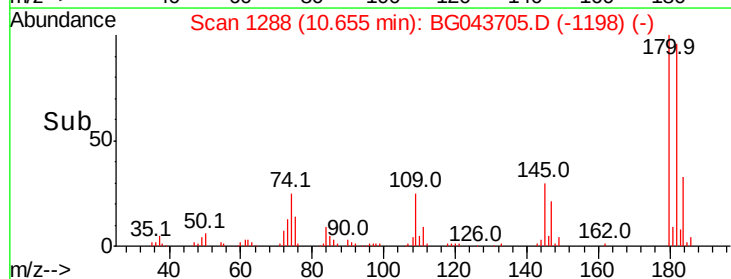
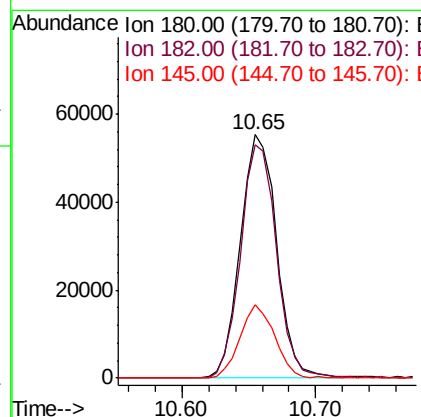
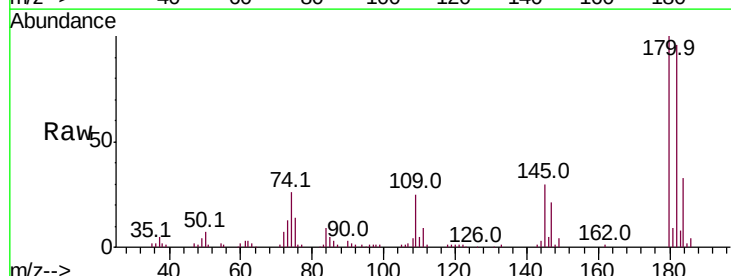
Instrument :  
 BNA\_G  
 ClientSampled :

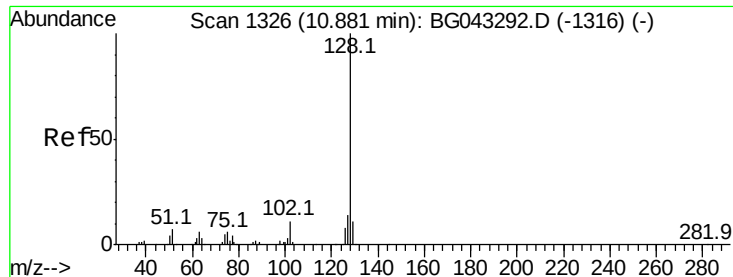
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 162   | Resp: | 94736 |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 164      | 67.2  | 45.4  | 85.4  |
| 98       | 34.4  | 10.1  | 50.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.226 ng  
 RT: 10.65 min Scan# 1288  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 103791 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.6  | 74.5  | 111.7  |
| 145      | 29.9  | 21.4  | 32.0   |

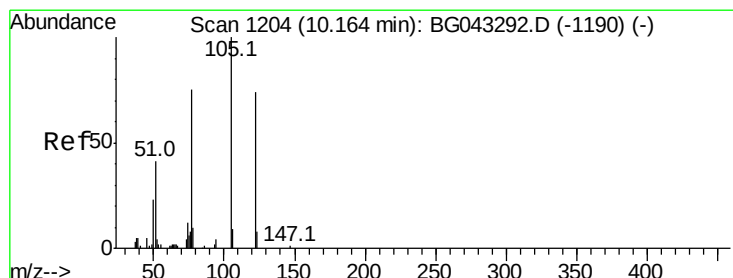
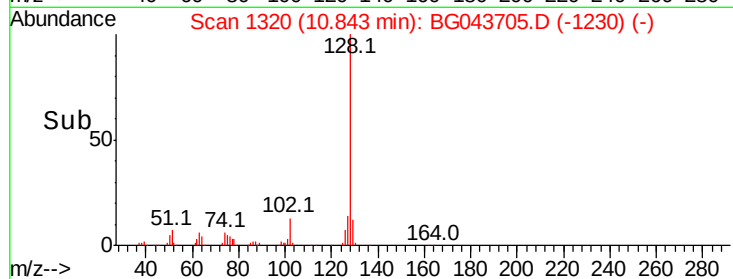
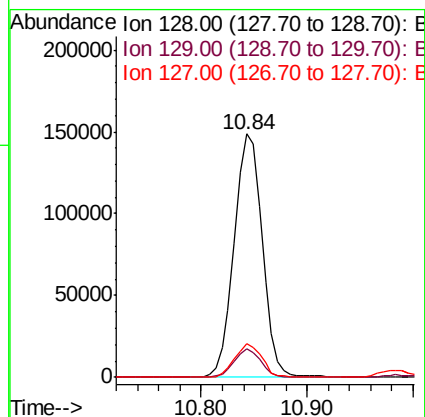
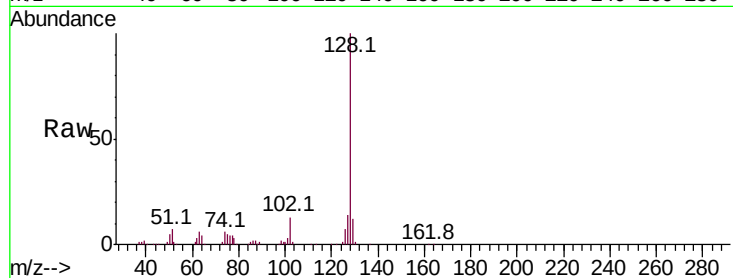




#31  
Naphthalene  
Concen: 46.377 ng  
RT: 10.84 min Scan# 1320  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

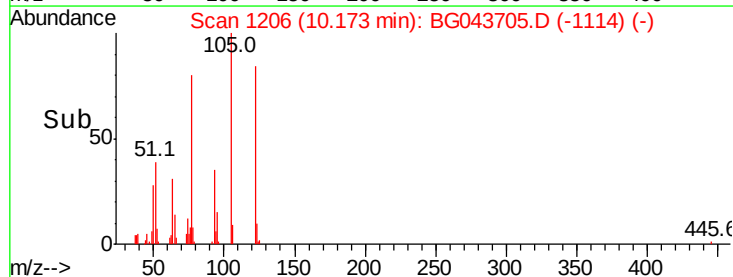
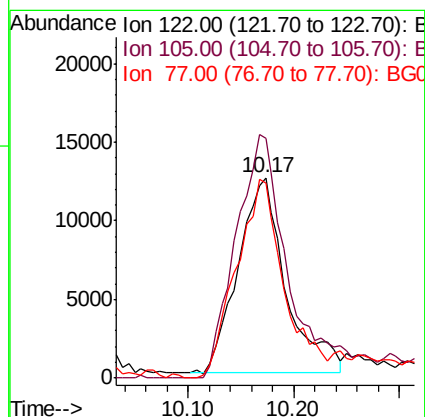
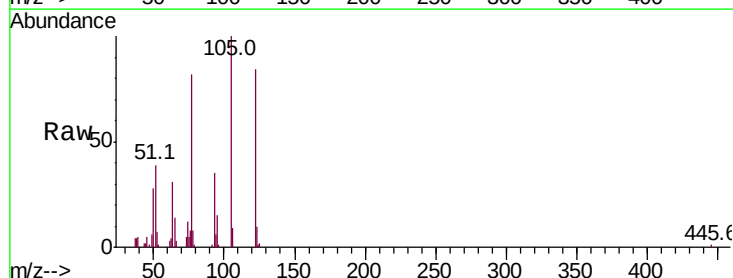
Instrument :  
BNA\_G  
ClientSampleId :

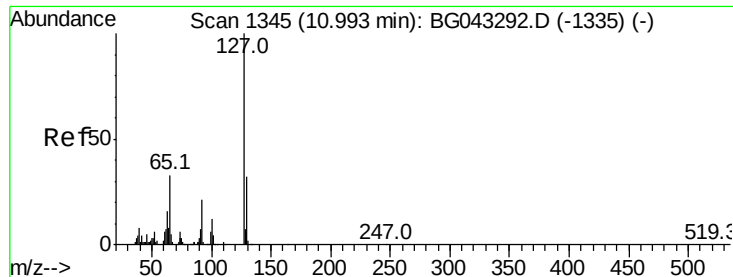
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 9.5   | 14.3  |
| 127     | 13.7  | 11.0  | 16.4  |



#32  
Benzoic acid  
Concen: 36.934 ng  
RT: 10.17 min Scan# 1206  
Delta R.T. 0.01 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 119.5 | 101.8 | 141.8 |
| 77      | 97.5  | 86.8  | 126.8 |

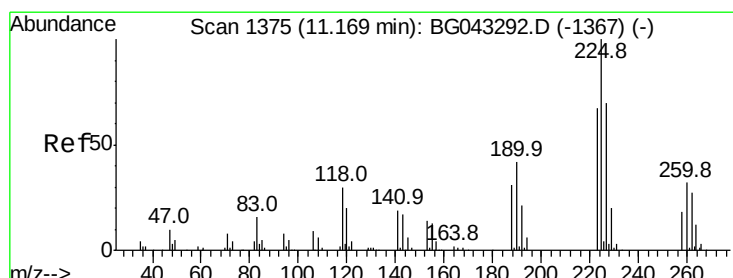
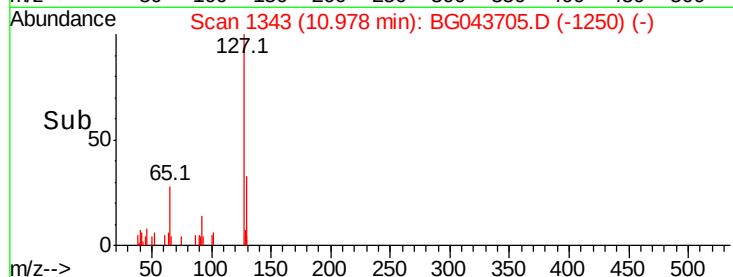
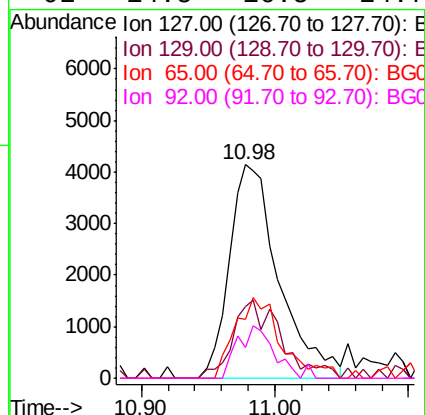
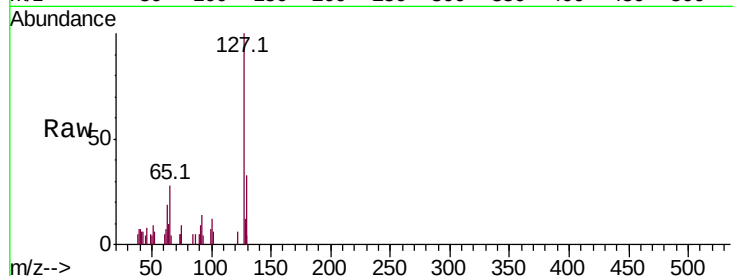




#33  
4-Chloroaniline  
Concen: 4.403 ng  
RT: 10.98 min Scan# 1343  
Delta R.T. 0.02 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

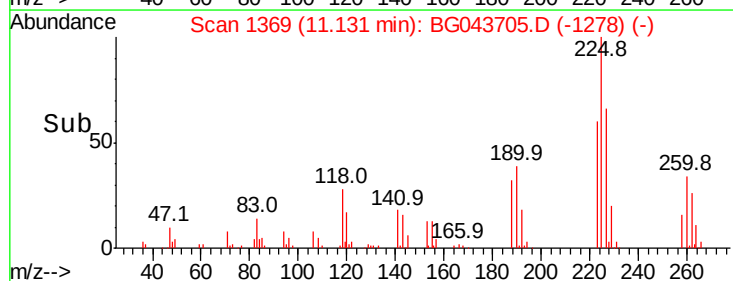
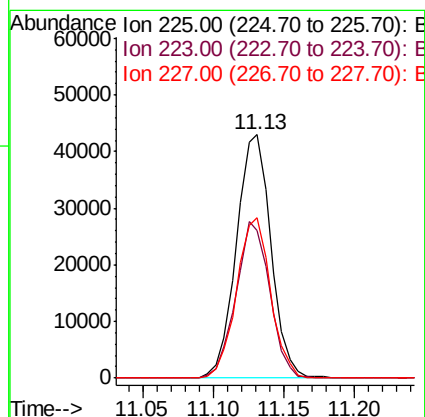
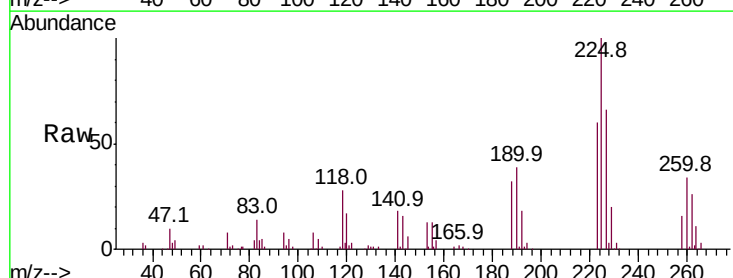
Instrument :  
BNA\_G  
ClientSampleId :

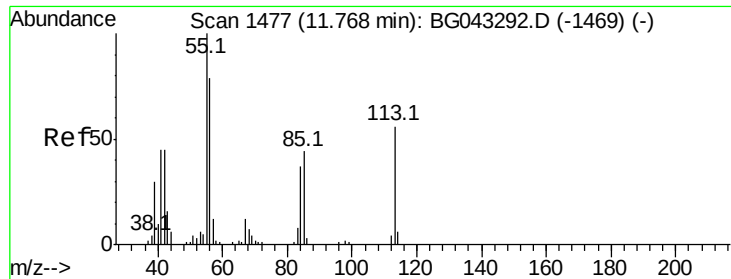
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.3  | 28.0  | 42.0  |
| 65      | 27.6  | 28.3  | 42.5# |
| 92      | 14.5  | 16.5  | 24.7# |



#34  
Hexachlorobutadiene  
Concen: 41.359 ng  
RT: 11.13 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.4  | 48.6  | 73.0  |
| 227     | 66.1  | 49.1  | 73.7  |





#35

Caprolactam

Concen: 22.678 ng

RT: 11.74 min Scan# 1472

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampled :

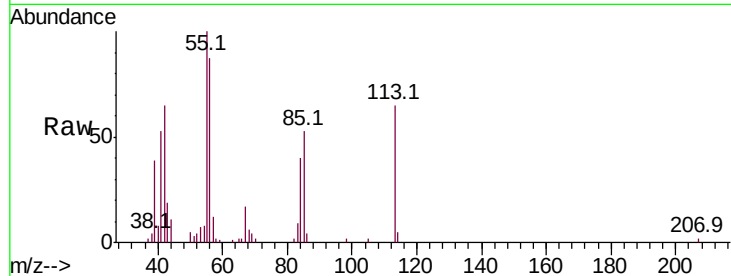
Tot Ion:113 Resp: 14880

Ion Ratio Lower Upper

113 100

55 152.9 154.4 194.4#

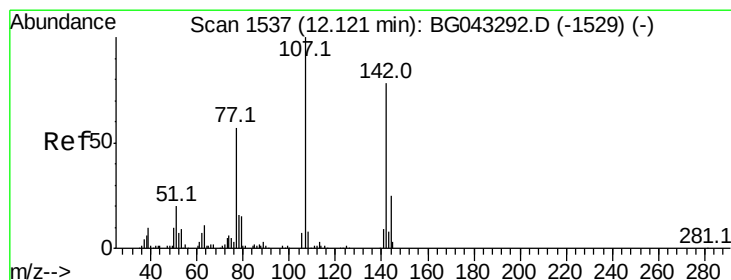
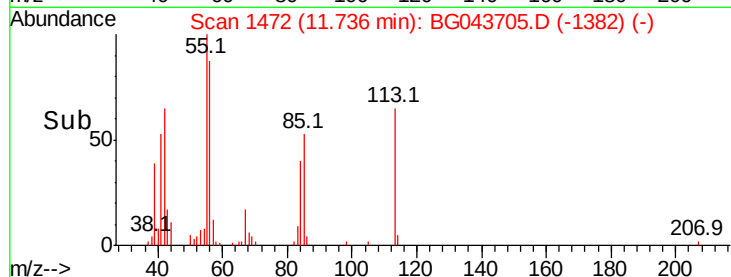
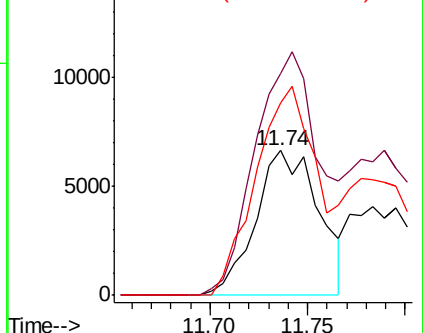
56 133.1 112.9 152.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 49.269 ng

RT: 12.11 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

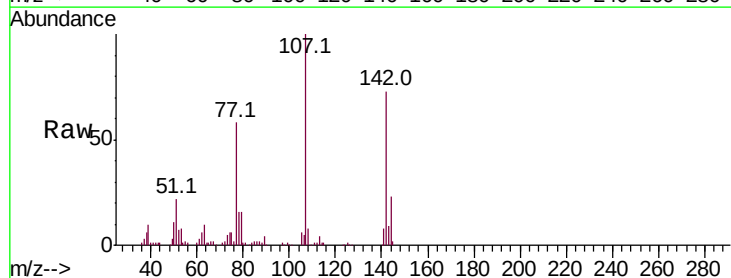
Tgt Ion:107 Resp: 102386

Ion Ratio Lower Upper

107 100

144 23.5 21.7 32.5

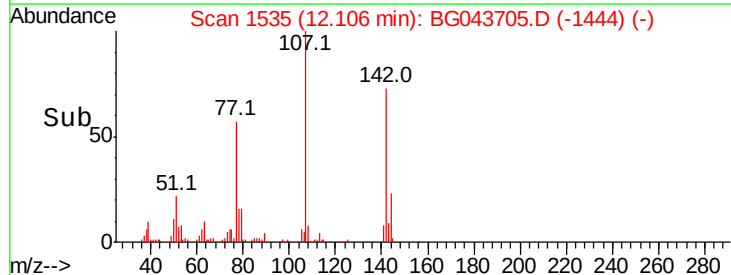
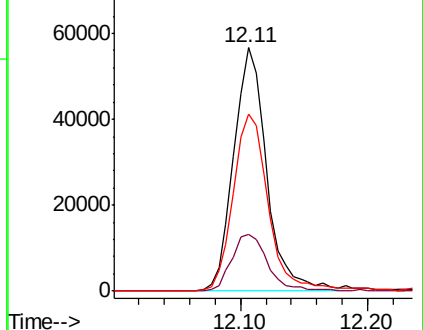
142 72.8 67.2 100.8

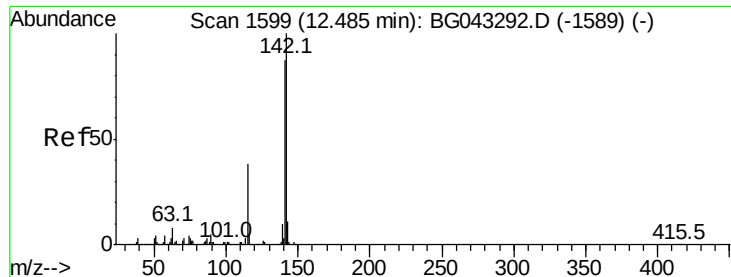


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

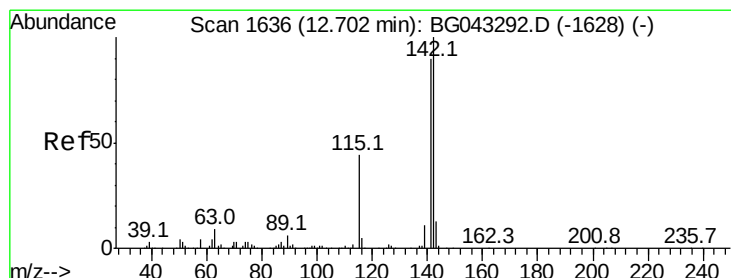
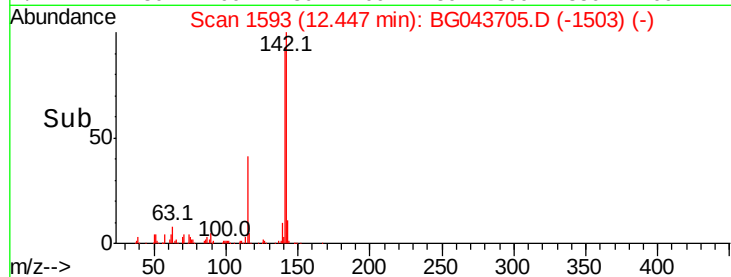
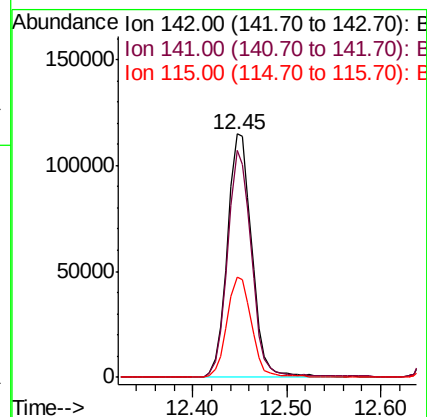
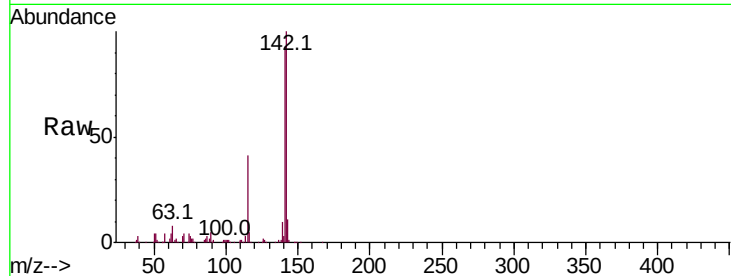




#37  
2-Methylnaphthalene  
Concen: 46.180 ng  
RT: 12.45 min Scan# 1593  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

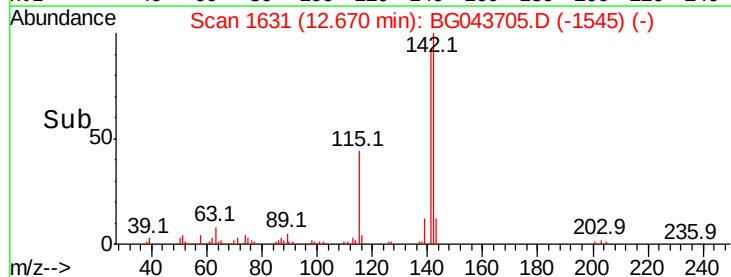
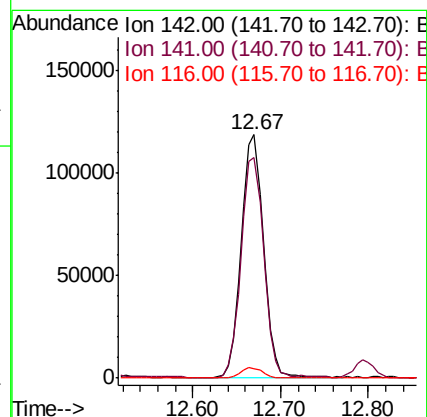
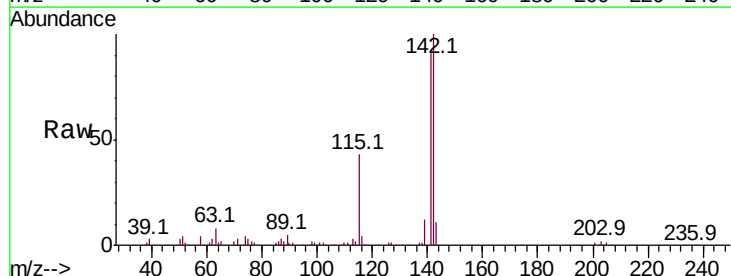
Instrument :  
BNA\_G  
ClientSampleId :

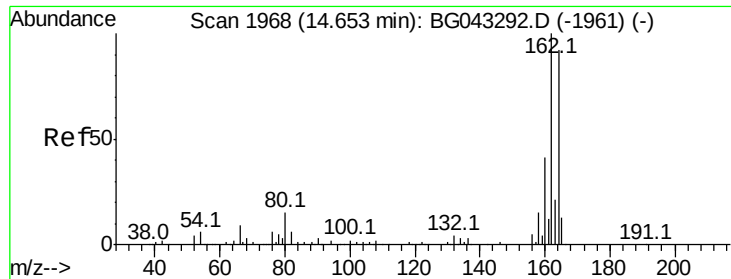
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.0  | 71.2  | 106.8 |
| 115     | 41.2  | 31.9  | 47.9  |



#38  
1-Methylnaphthalene  
Concen: 46.958 ng  
RT: 12.67 min Scan# 1631  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.7  | 74.5  | 111.7 |
| 116     | 4.0   | 3.8   | 5.6   |

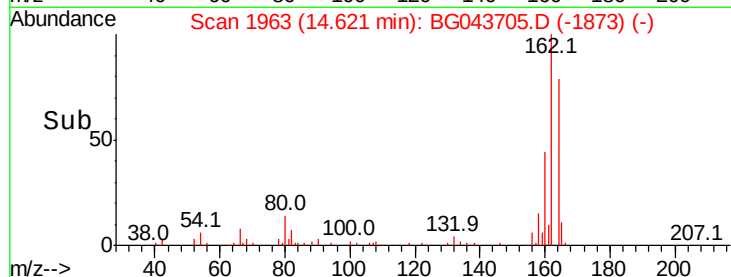
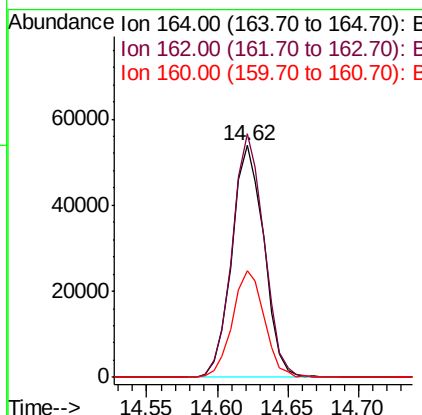
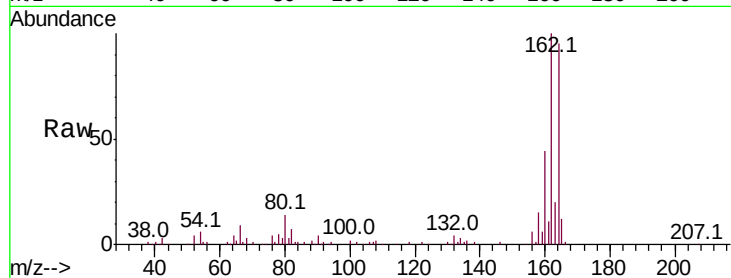




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.62 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

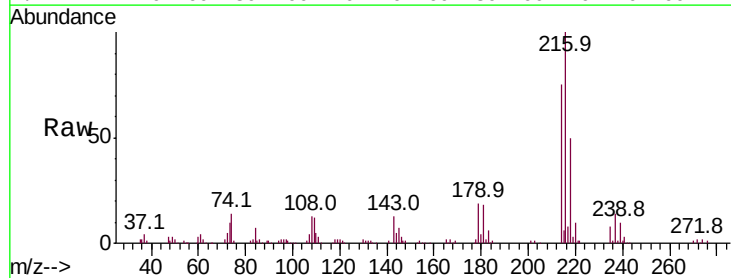
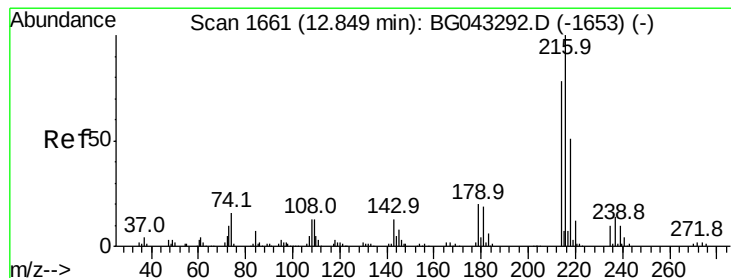
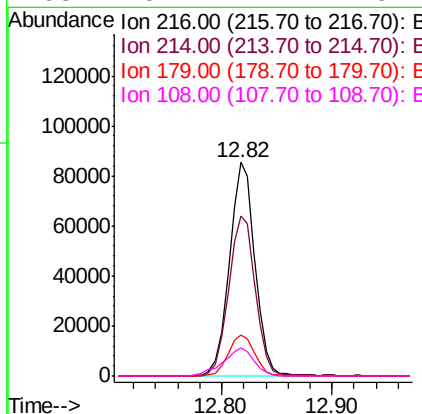
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 79.4  | 119.2 |
| 160     | 46.3  | 36.3  | 54.5  |

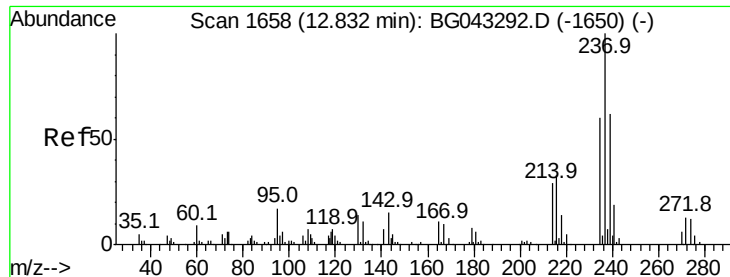


#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.912 ng  
 RT: 12.82 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.4  | 62.8  | 94.2  |
| 179     | 19.4  | 16.5  | 24.7  |
| 108     | 16.1  | 12.7  | 19.1  |







#41

Hexachlorocyclopentadiene

Concen: 82.150 ng

RT: 12.79 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

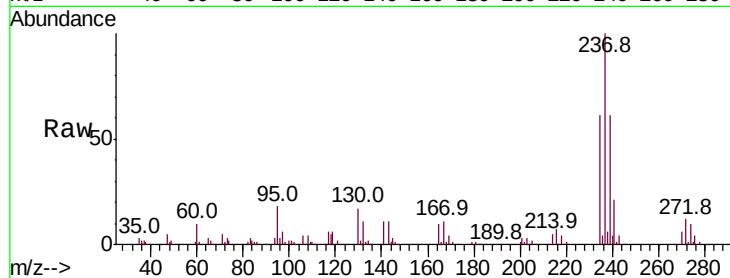
Tot Ion:237 Resp: 136283

Ion Ratio Lower Upper

237 100

235 61.3 42.2 82.2

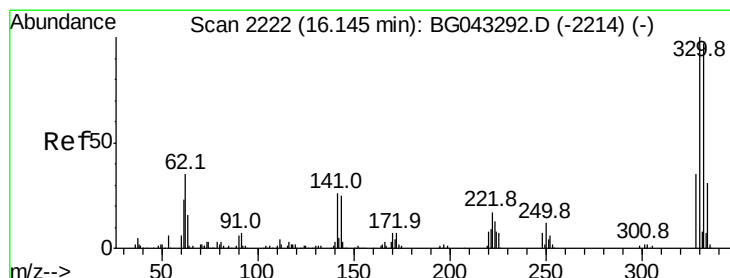
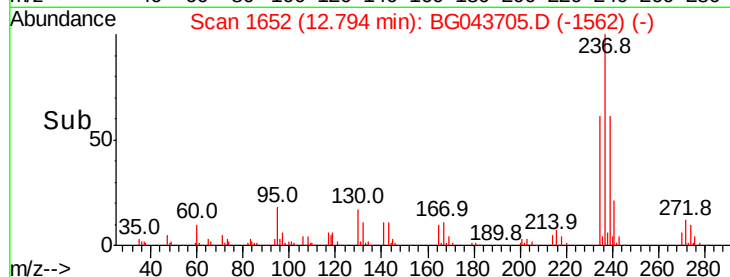
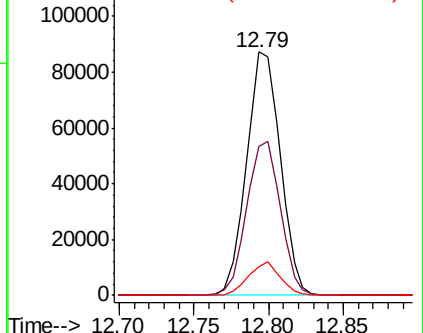
272 11.8 0.0 32.6



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: 117.271 ng

RT: 16.12 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

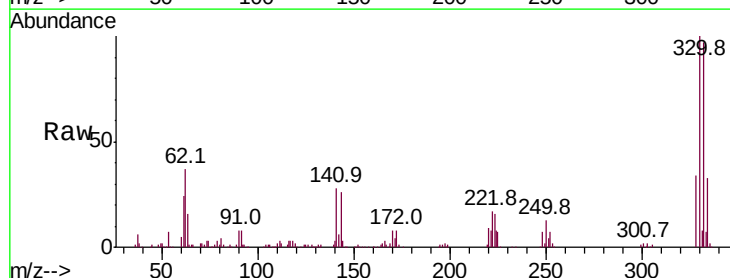
Tgt Ion:330 Resp: 190438

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

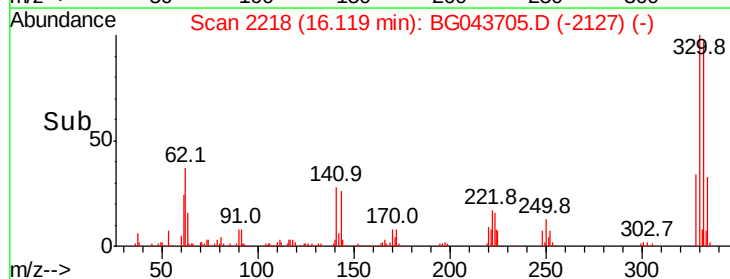
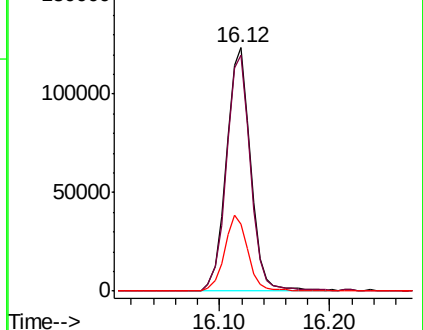
141 29.7 23.4 35.2

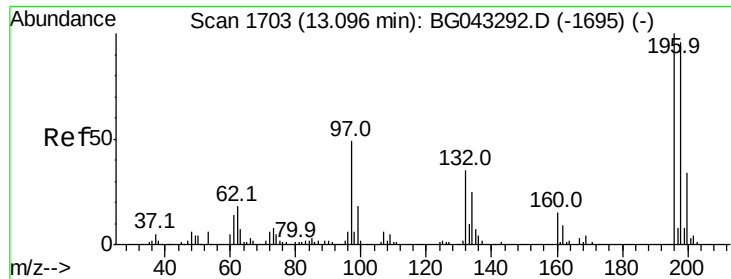


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

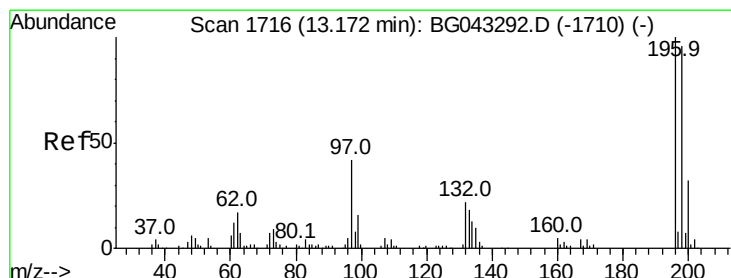
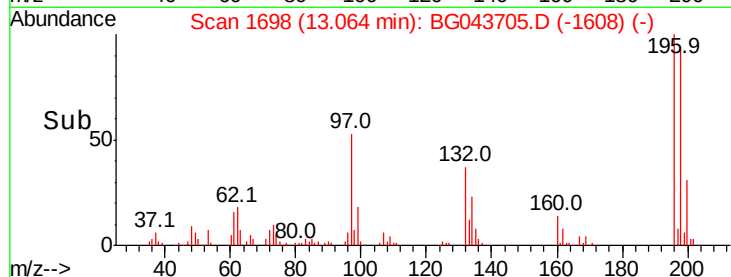
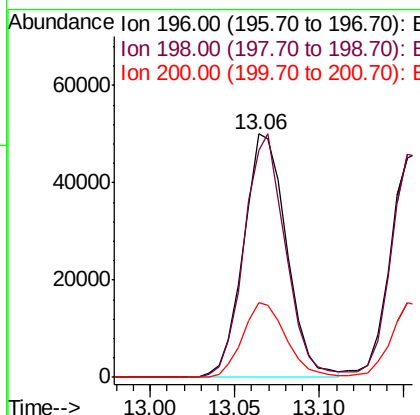
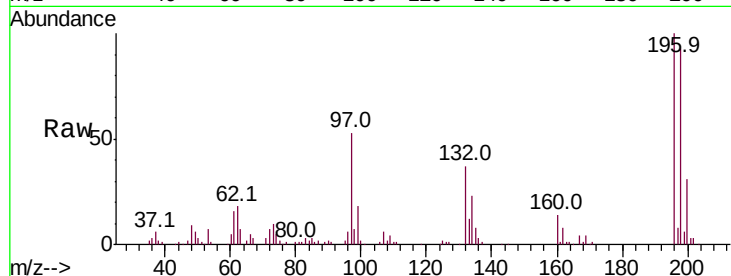




#43  
 2,4,6-Trichlorophenol  
 Concen: 47.404 ng  
 RT: 13.06 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

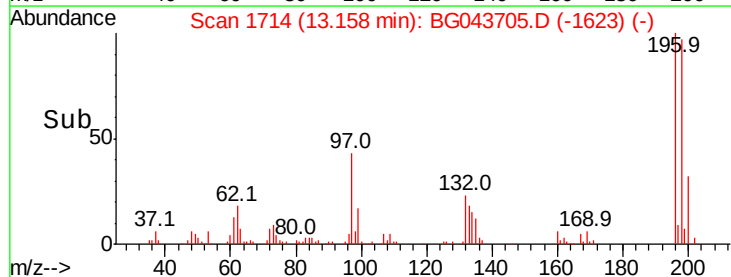
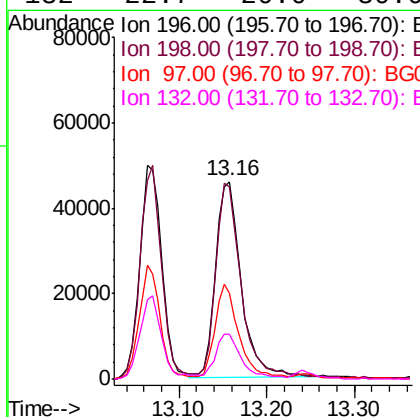
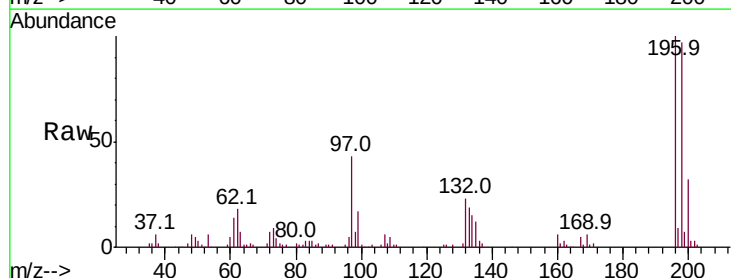
Instrument :  
 BNA\_G  
 ClientSampleId :

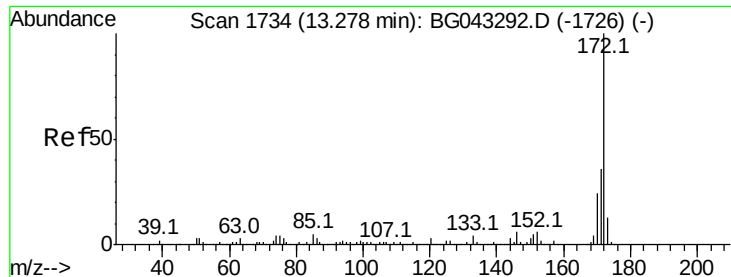
Tot Ion:196 Resp: 88163  
 Ion Ratio Lower Upper  
 196 100  
 198 93.2 81.3 121.9  
 200 30.9 28.2 42.2



#44  
 2,4,5-Trichlorophenol  
 Concen: 50.380 ng  
 RT: 13.16 min Scan# 1714  
 Delta R.T. 0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Tgt Ion:196 Resp: 94727  
 Ion Ratio Lower Upper  
 196 100  
 198 97.2 77.4 116.2  
 97 43.4 35.9 53.9  
 132 22.7 20.0 30.0

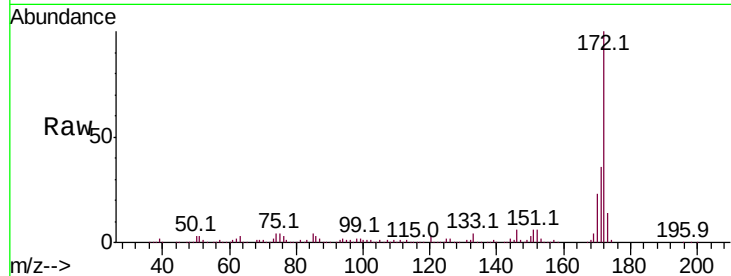




#45  
2-Fluorobiphenyl  
Concen: 81.217 ng  
RT: 13.25 min Scan# 1729  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.1  | 42.1  |
| 170     | 23.2  | 18.8  | 28.2  |

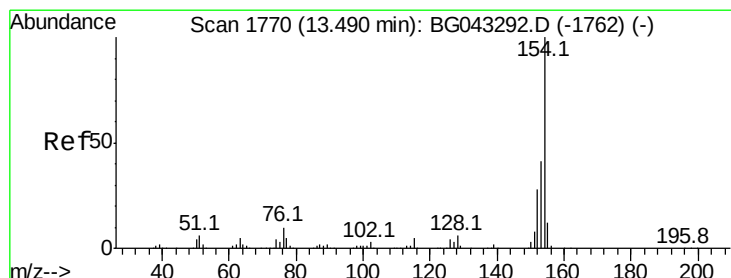
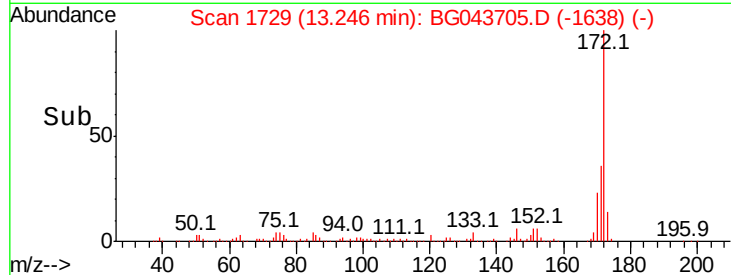
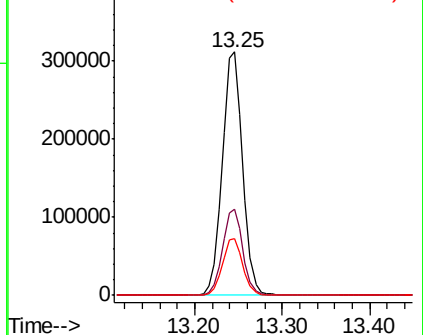


Abundance

Ion 172.00 (171.70 to 172.70): E

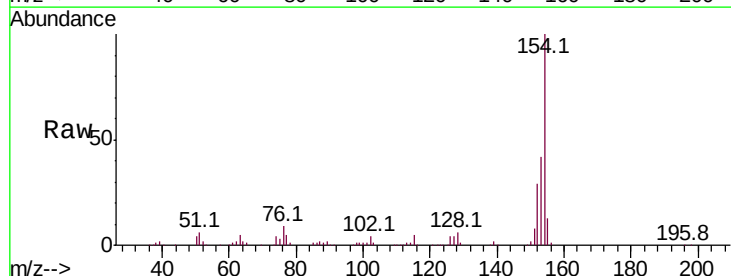
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 44.190 ng  
RT: 13.46 min Scan# 1765  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.6  | 22.6  | 62.6  |
| 76      | 9.3   | 0.0   | 29.1  |

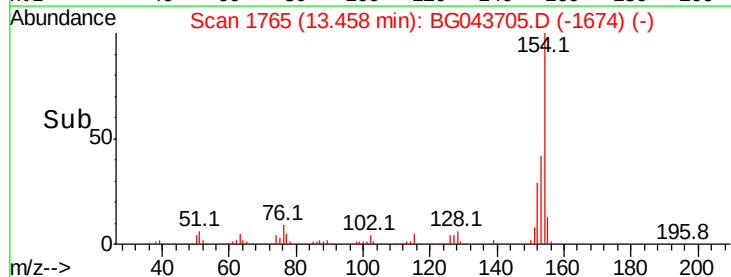
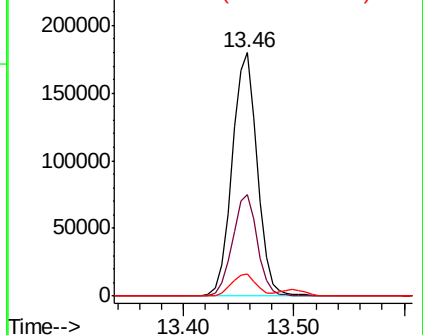


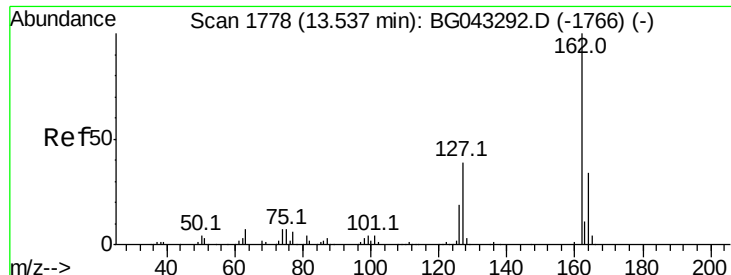
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC

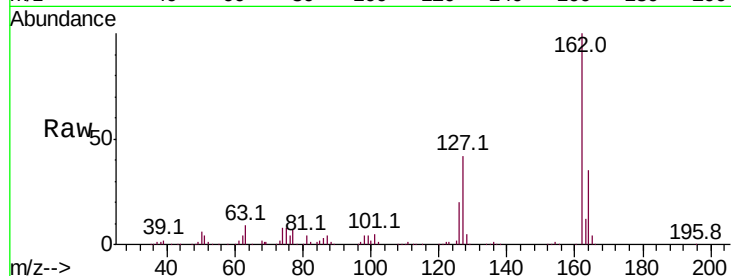




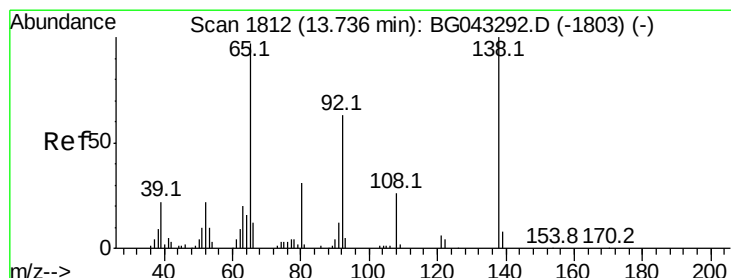
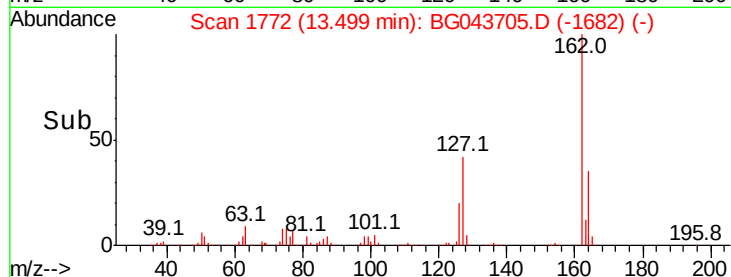
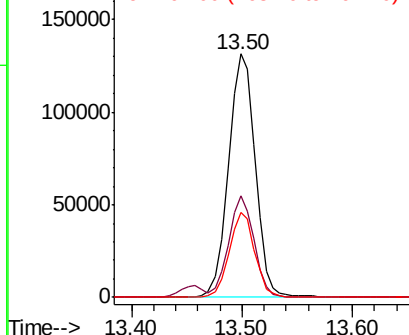
#47  
2-Chloronaphthalene  
Concen: 45.226 ng  
RT: 13.50 min Scan# 1772  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:162 Resp: 223388  
Ion Ratio Lower Upper  
162 100  
127 41.7 32.8 49.2  
164 35.0 27.8 41.8

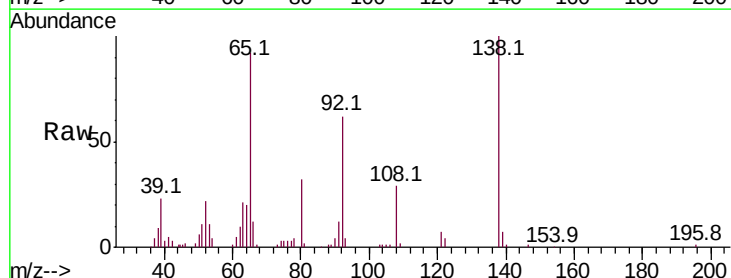


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

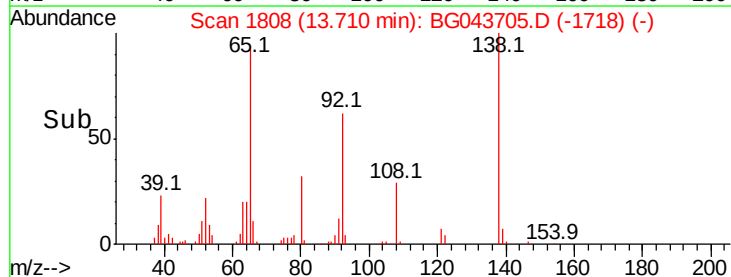
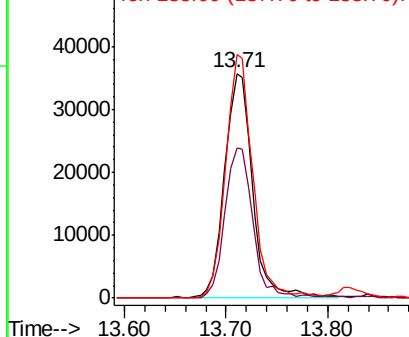


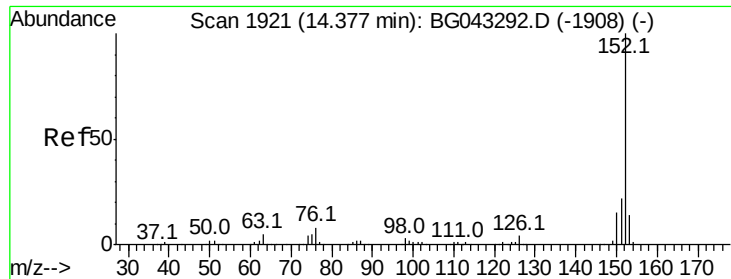
#48  
2-Nitroaniline  
Concen: 46.578 ng  
RT: 13.71 min Scan# 1808  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Tgt Ion: 65 Resp: 68762  
Ion Ratio Lower Upper  
65 100  
92 66.7 54.9 82.3  
138 108.3 85.0 127.6



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: 47.805 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

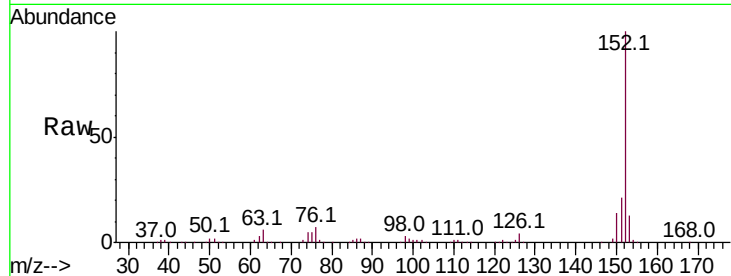
Tot Ion:152 Resp: 367494

Ion Ratio Lower Upper

152 100

151 21.0 16.1 24.1

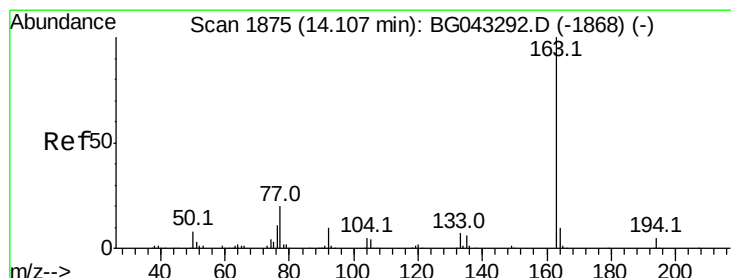
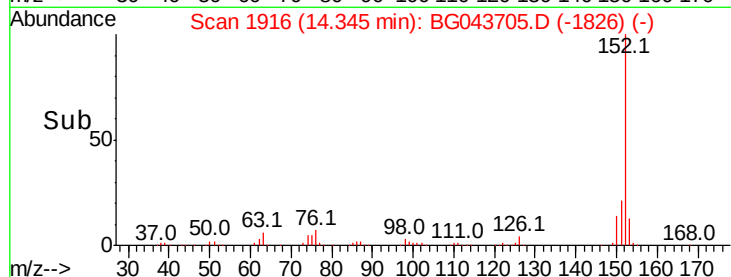
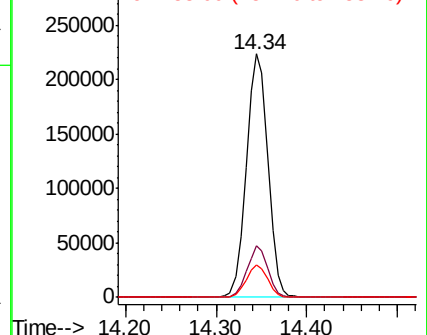
153 13.3 11.0 16.4



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: 57.262 ng

RT: 14.08 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

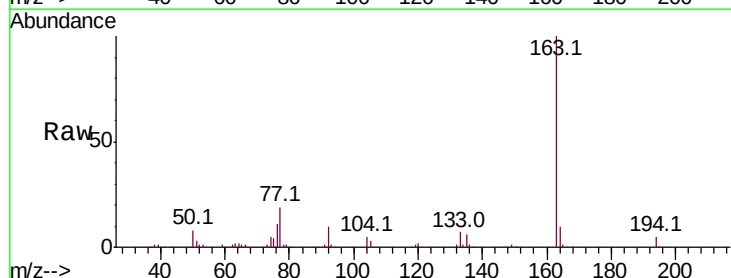
Tgt Ion:163 Resp: 378487

Ion Ratio Lower Upper

163 100

194 5.3 3.8 5.8

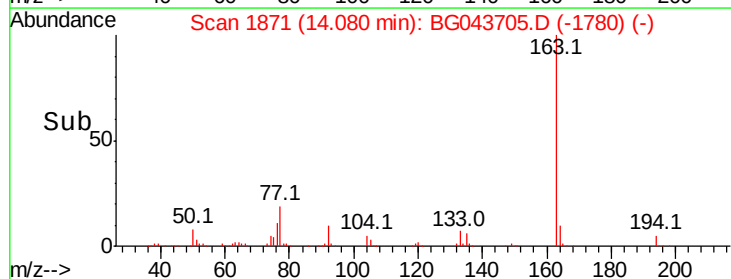
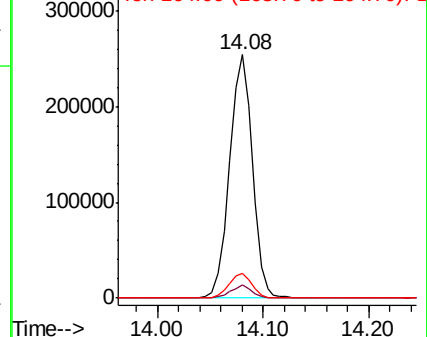
164 10.0 8.5 12.7

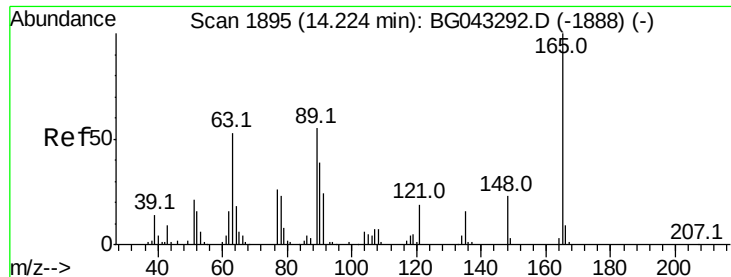


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.470 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

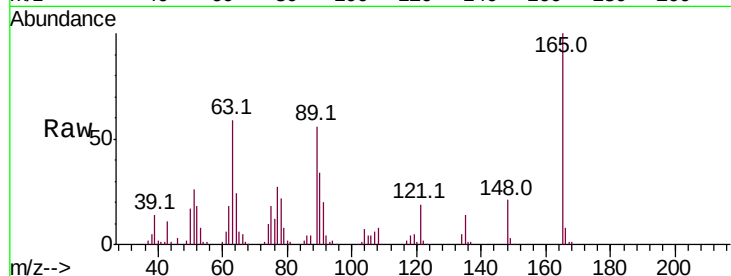
Tot Ion:165 Resp: 69601

Ion Ratio Lower Upper

165 100

63 59.1 45.0 67.6

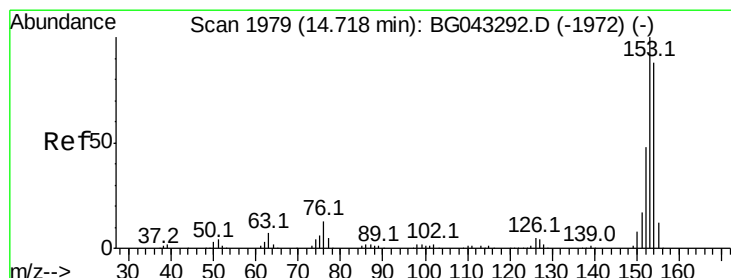
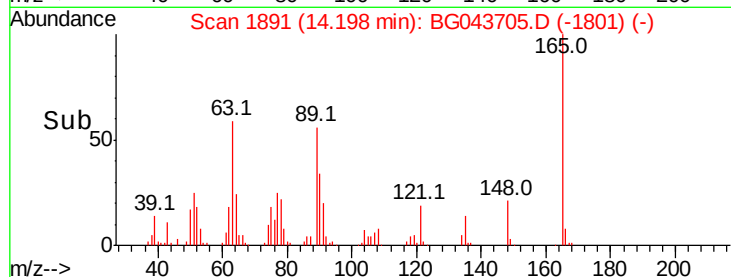
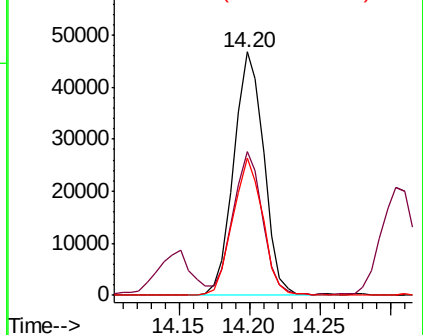
89 56.4 39.8 59.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 45.535 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

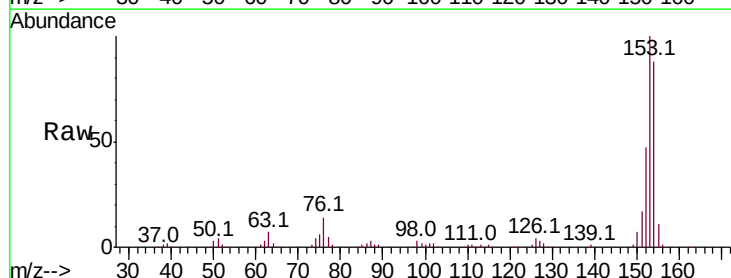
Tgt Ion:154 Resp: 213471

Ion Ratio Lower Upper

154 100

153 113.9 89.2 133.8

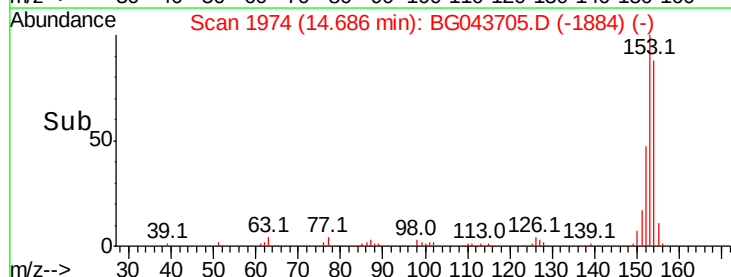
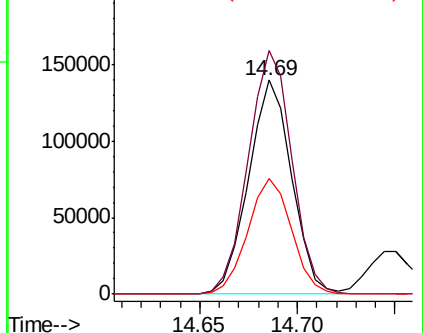
152 53.8 41.4 62.0

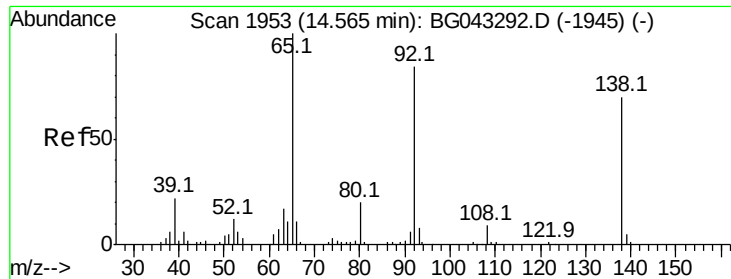


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

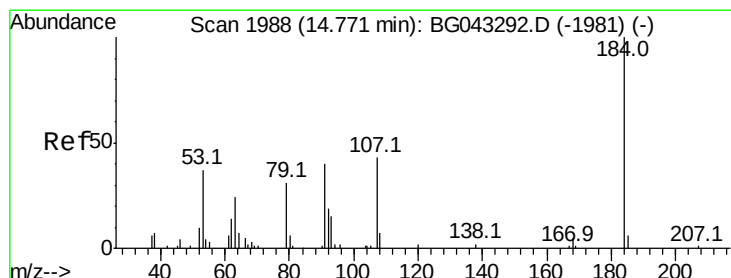
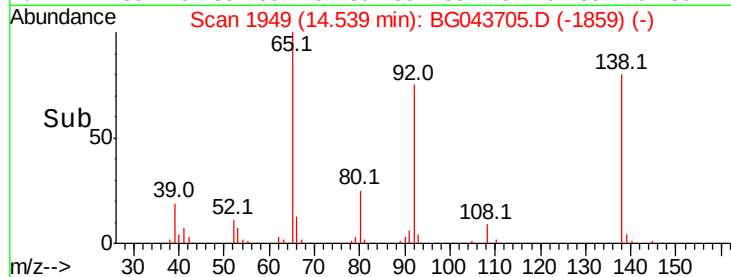
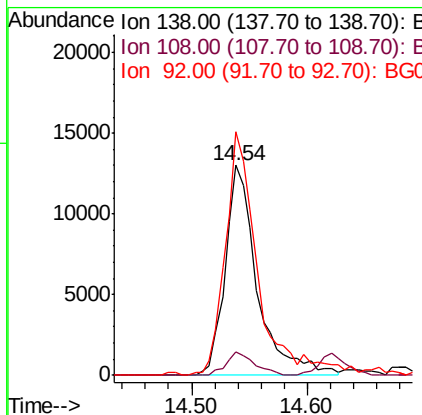
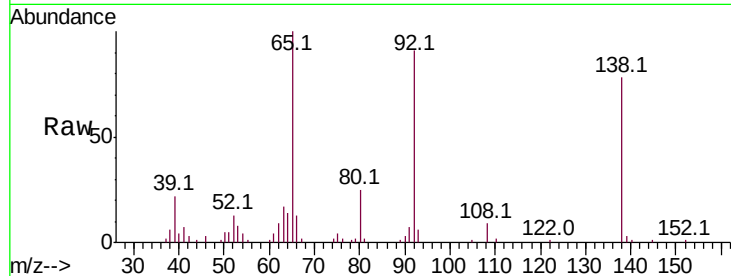




#53  
 3-Nitroaniline  
 Concen: 18.046 ng  
 RT: 14.54 min Scan# 1949  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

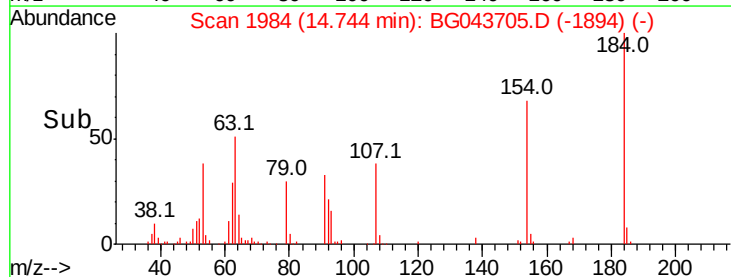
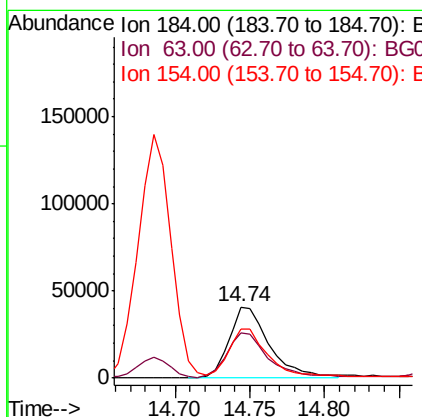
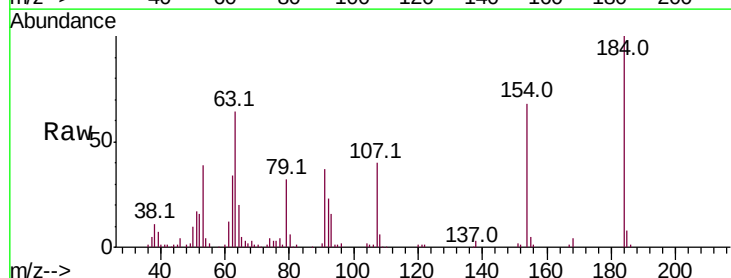
Instrument :  
 BNA\_G  
 ClientSampleId :

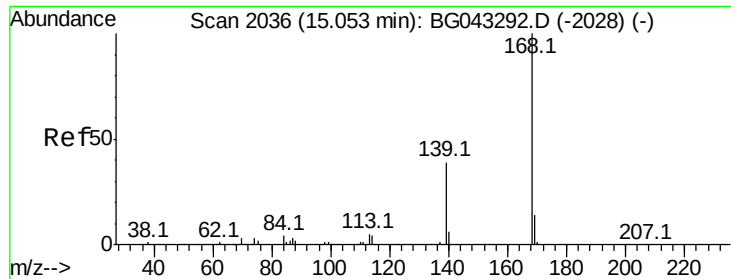
Tot Ion:138 Resp: 25018  
 Ion Ratio Lower Upper  
 138 100  
 108 11.4 9.8 14.8  
 92 116.1 88.1 132.1



#54  
 2,4-Dinitrophenol  
 Concen: 85.851 ng  
 RT: 14.74 min Scan# 1984  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Tgt Ion:184 Resp: 77506  
 Ion Ratio Lower Upper  
 184 100  
 63 64.2 59.0 88.4  
 154 68.0 57.4 86.2

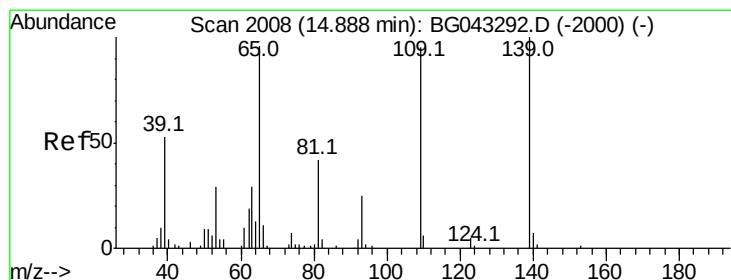
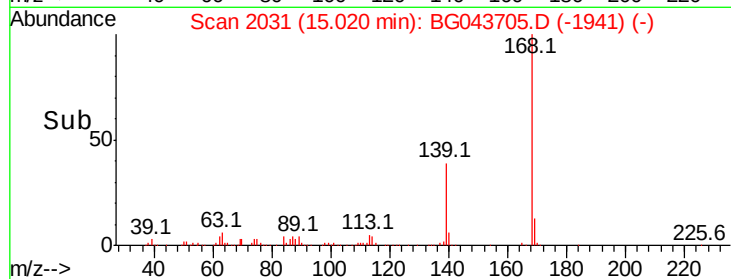
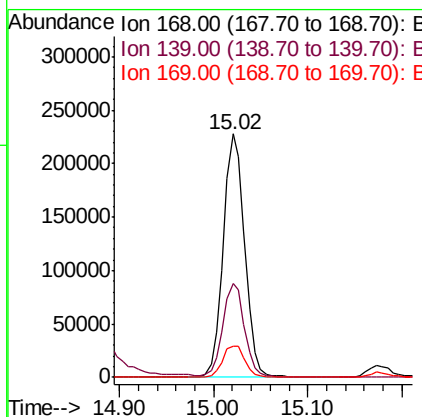
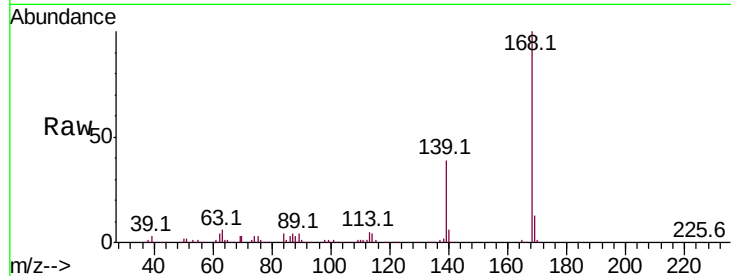




#55  
Dibenzenofuran  
Concen: 47.409 ng  
RT: 15.02 min Scan# 2031  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

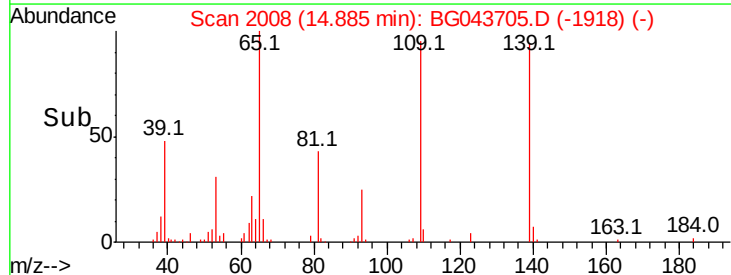
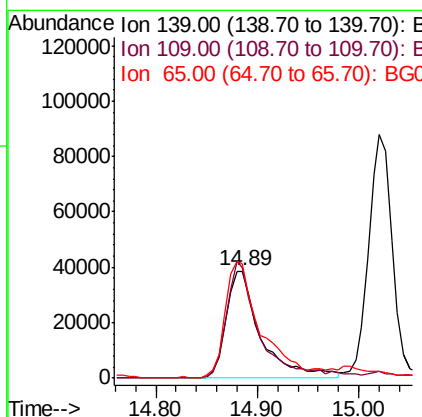
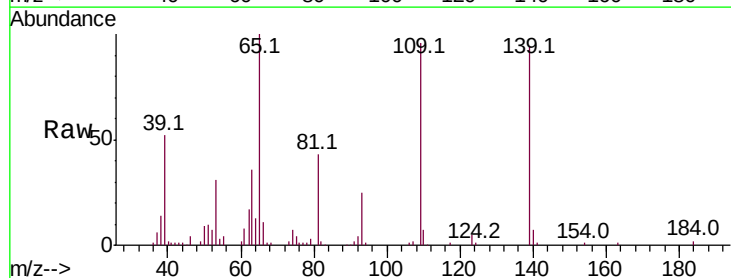
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.6  | 32.7  | 49.1  |
| 169     | 12.8  | 10.6  | 15.8  |

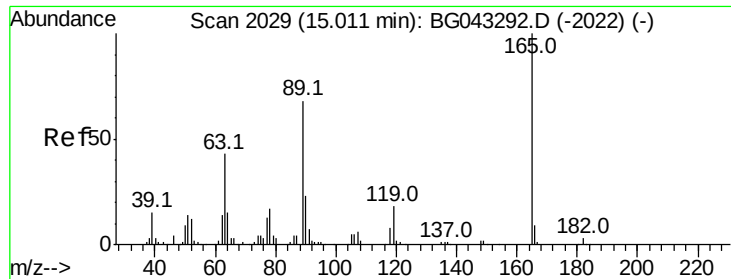


#56  
4-Nitrophenol  
Concen: 98.286 ng  
RT: 14.89 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 102.7 | 64.0  | 104.0 |
| 65      | 106.8 | 75.6  | 115.6 |



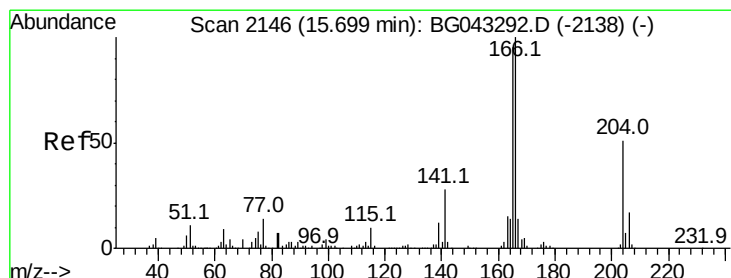
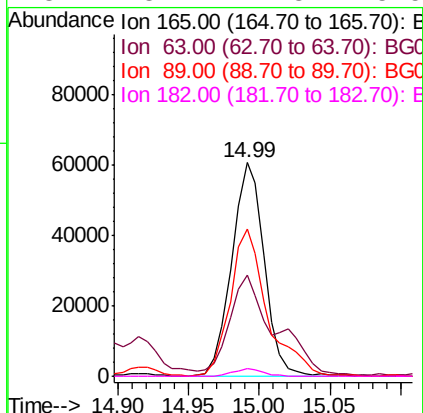
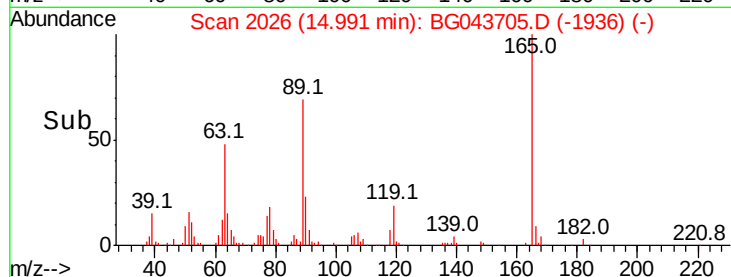
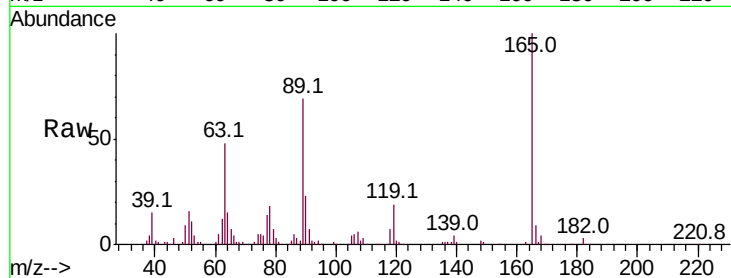




#57  
2,4-Dinitrotoluene  
Concen: 47.479 ng  
RT: 14.99 min Scan# 2026  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

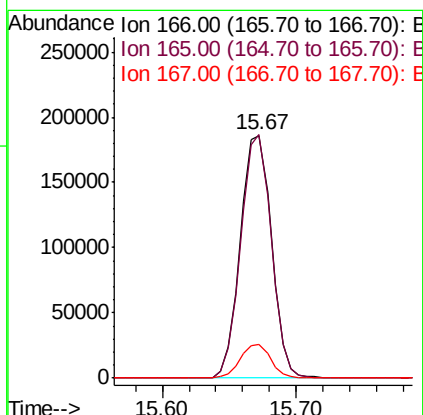
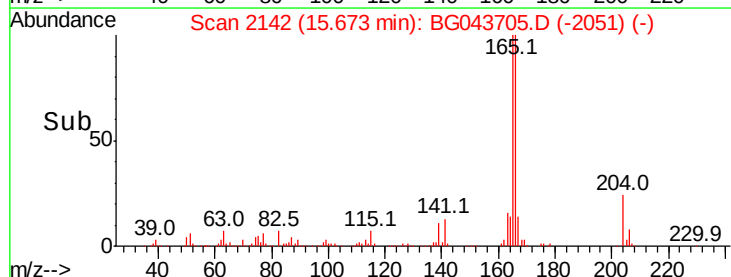
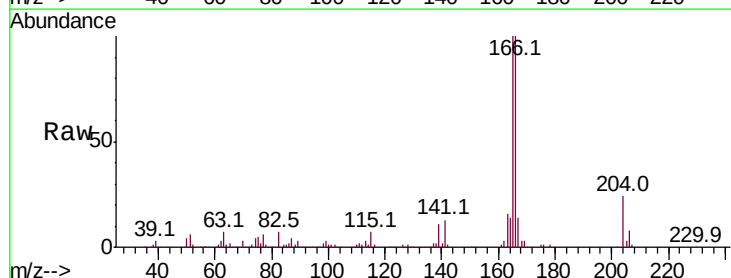
Instrument :  
BNA\_G  
ClientSampled :

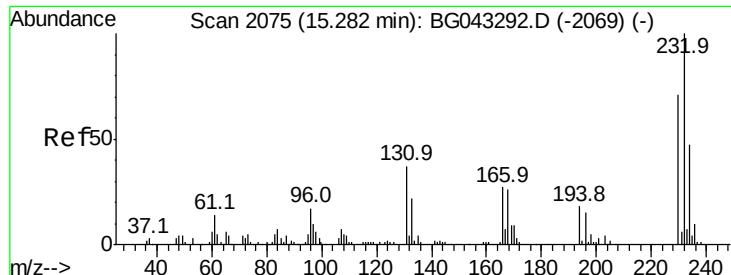
Tot Ion:165 Resp: 97433  
Ion Ratio Lower Upper  
165 100  
63 47.5 37.4 56.0  
89 68.7 50.9 76.3  
182 3.4 2.3 3.5



#58  
Fluorene  
Concen: 47.185 ng  
RT: 15.67 min Scan# 2142  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Tgt Ion:166 Resp: 300866  
Ion Ratio Lower Upper  
166 100  
165 100.3 78.4 117.6  
167 13.7 11.2 16.8

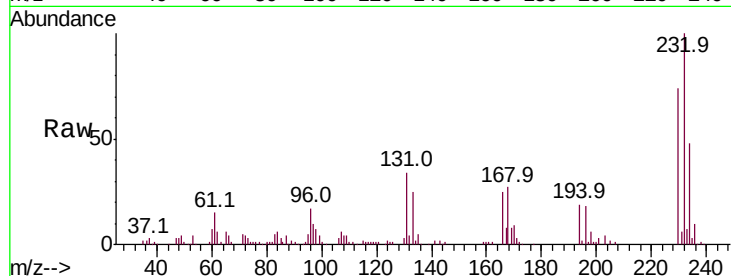




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.197 ng  
 RT: 15.26 min Scan# 2072  
 Delta R.T. 0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 35.8  | 29.6  | 44.4  |
| 130     | 2.0   | 1.4   | 2.0   |
| 166     | 26.7  | 21.2  | 31.8  |



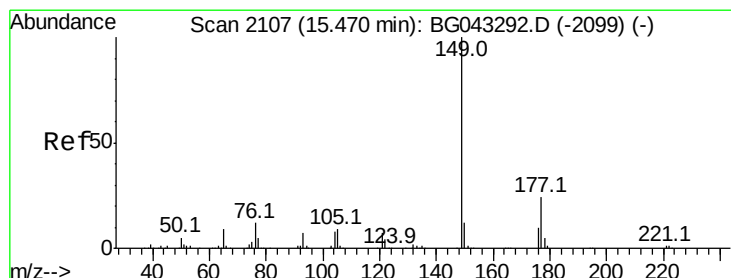
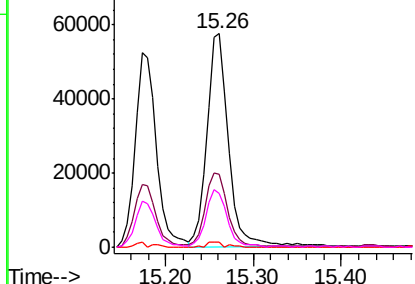
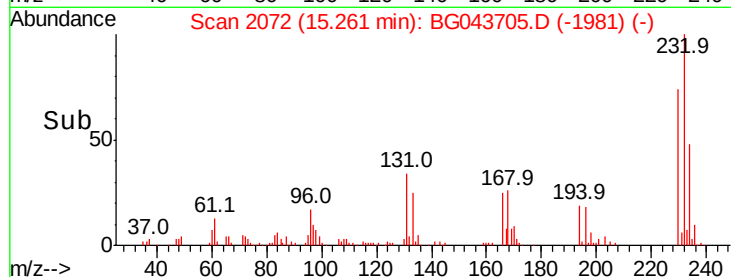
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

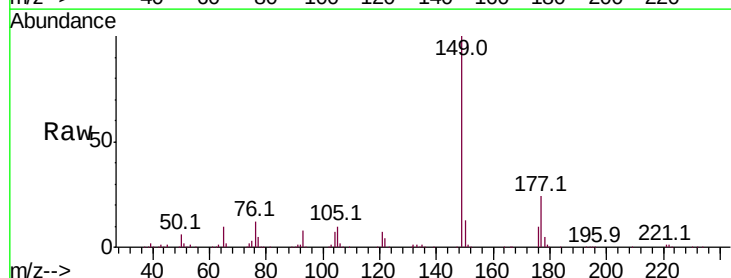
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 45.740 ng  
 RT: 15.44 min Scan# 2102  
 Delta R.T. 0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.2  | 19.3  | 28.9  |
| 150     | 12.7  | 10.5  | 15.7  |

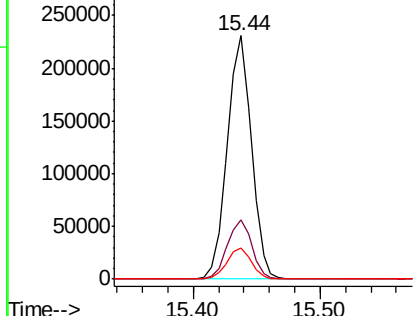
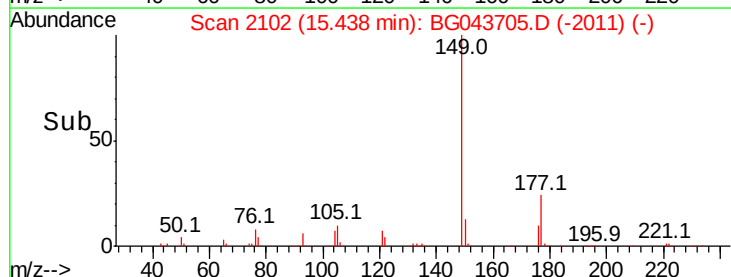


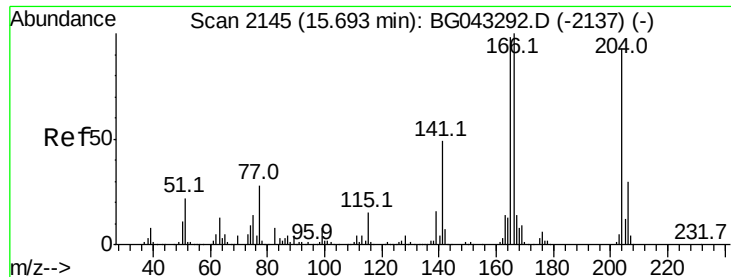
Abundance

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

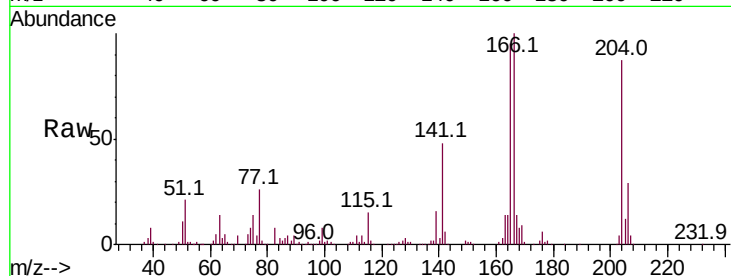




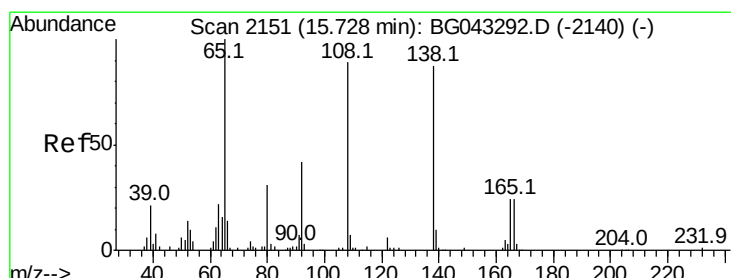
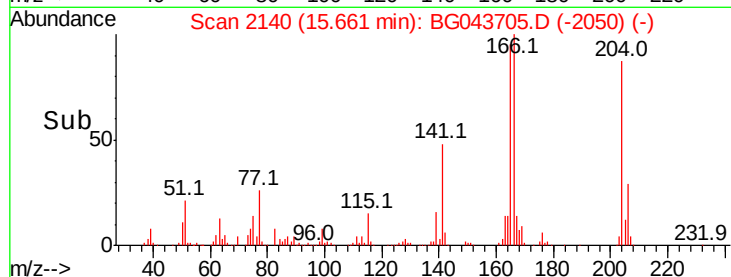
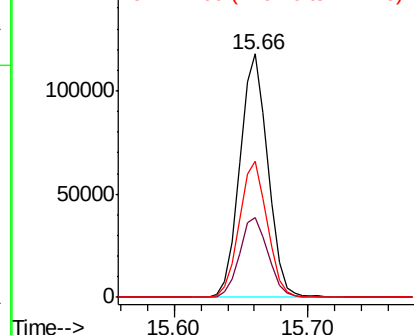
#61  
 4-Chlorophenyl-phenylether  
 Concen: 45.943 ng  
 RT: 15.66 min Scan# 2140  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.0  | 28.2  | 42.4  |
| 141     | 55.8  | 44.5  | 66.7  |

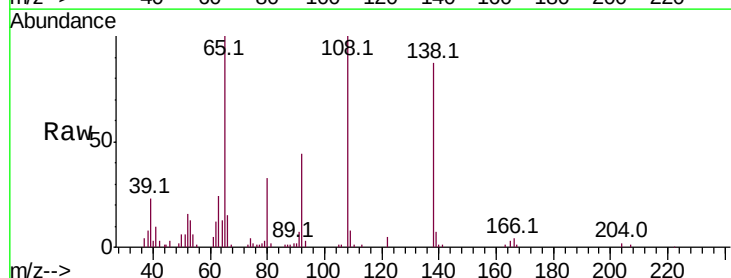


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

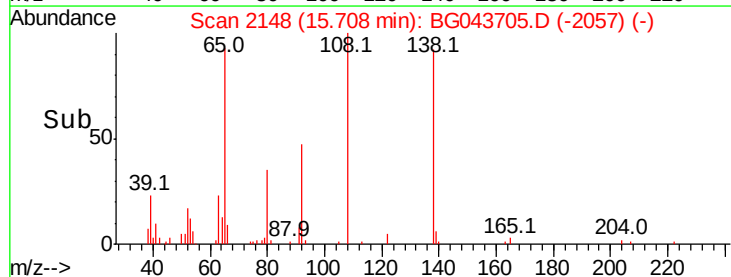
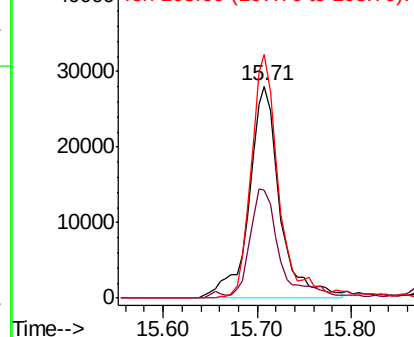


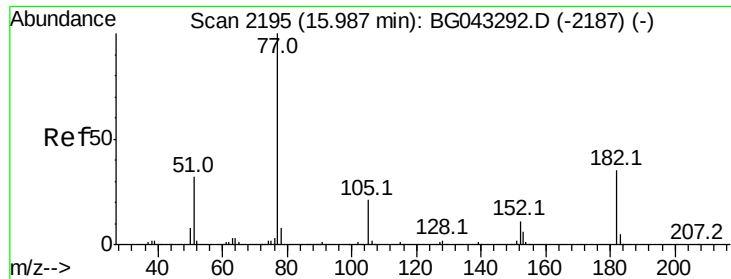
#62  
 4-Nitroaniline  
 Concen: 44.084 ng  
 RT: 15.71 min Scan# 2148  
 Delta R.T. 0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.7  | 31.0  | 71.0  |
| 108     | 114.8 | 85.0  | 125.0 |



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: 47.697 ng

RT: 15.95 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 256369

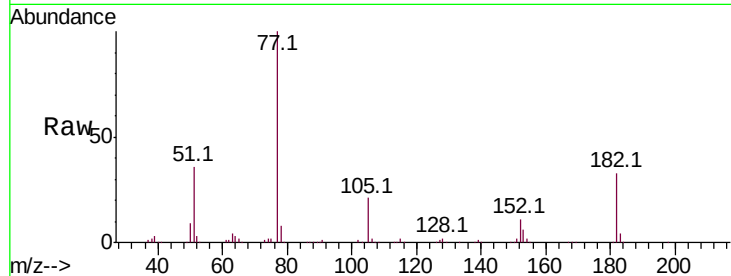
Ion Ratio Lower Upper

77 100

182 32.7 11.2 51.2

105 21.0 1.5 41.5

51 36.4 14.7 54.7

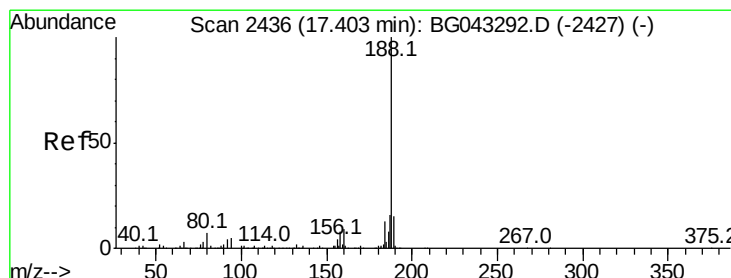
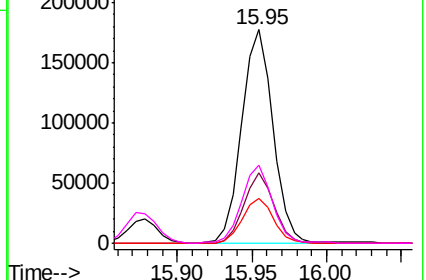
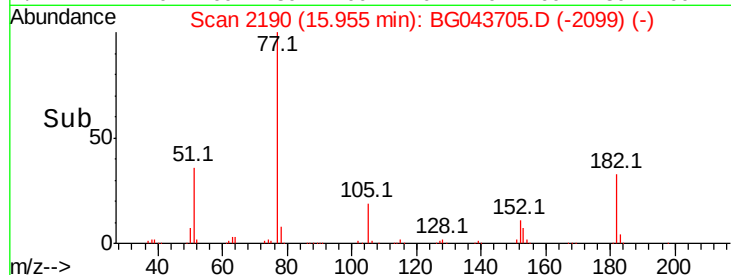


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

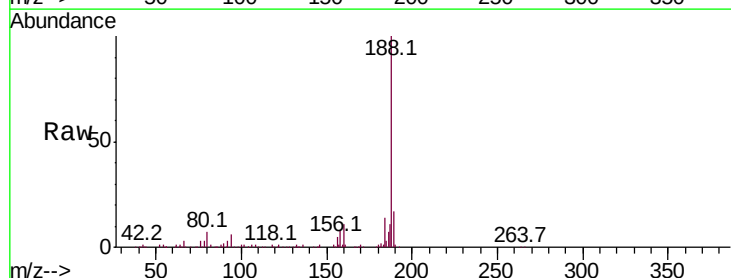
Tgt Ion: 188 Resp: 213975

Ion Ratio Lower Upper

188 100

94 5.6 4.6 7.0

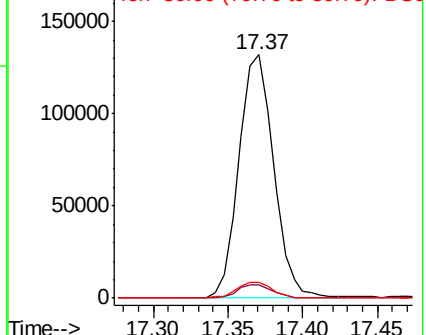
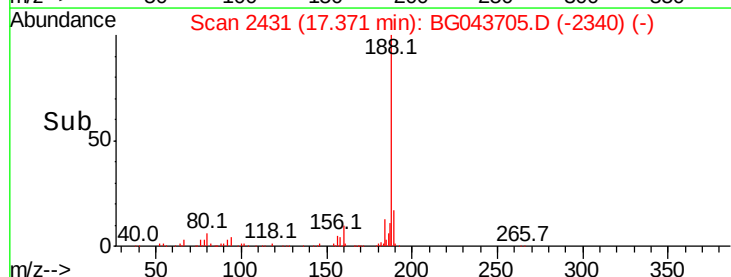
80 6.6 5.2 7.8

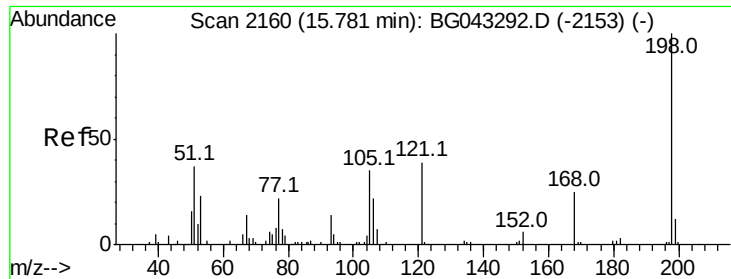


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

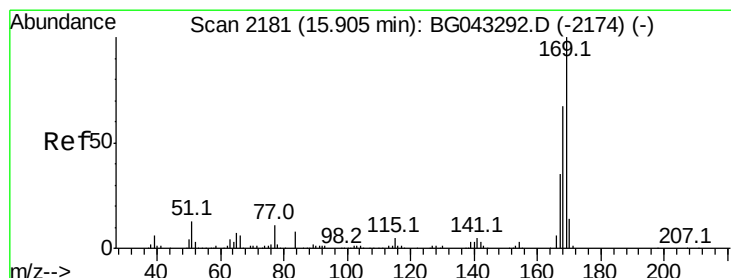
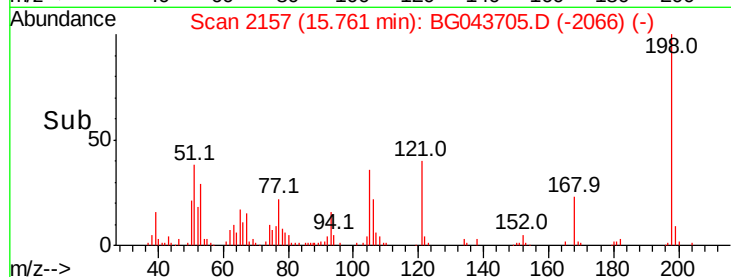
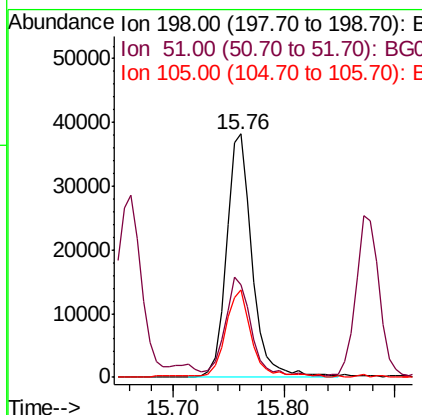
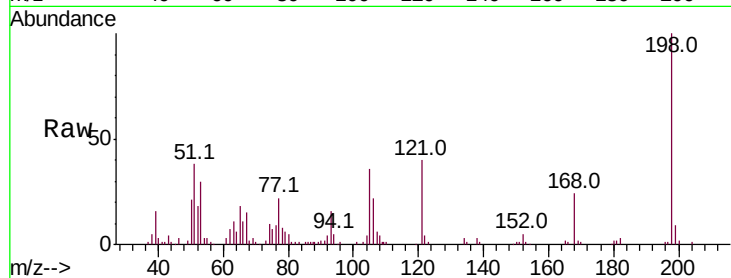




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 49.175 ng  
 RT: 15.76 min Scan# 2157  
 Delta R.T. 0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

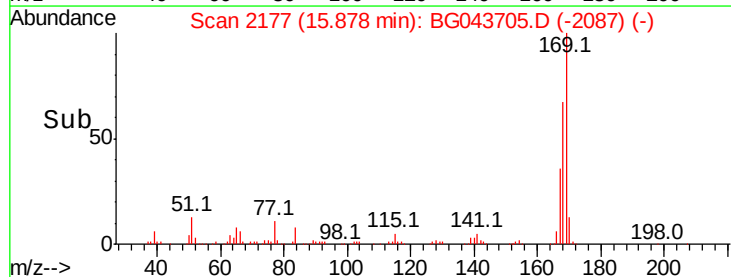
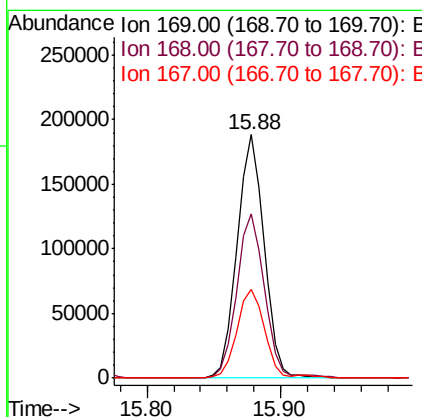
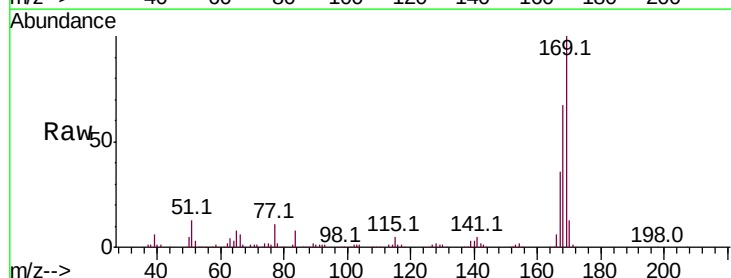
Instrument :  
 BNA\_G  
 ClientSampled :

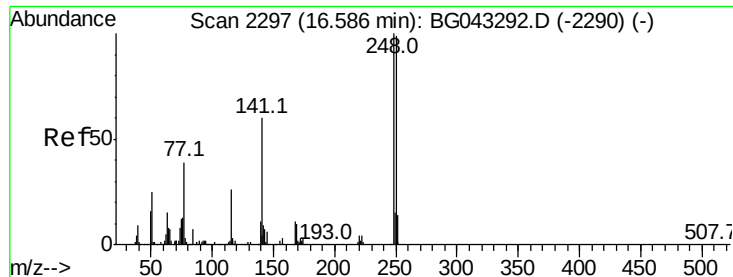
Tot Ion:198 Resp: 61924  
 Ion Ratio Lower Upper  
 198 100  
 51 37.9 17.3 57.3  
 105 36.0 13.9 53.9



#66  
 n-Nitrosodiphenylamine  
 Concen: 43.856 ng  
 RT: 15.88 min Scan# 2177  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

Tgt Ion:169 Resp: 264940  
 Ion Ratio Lower Upper  
 169 100  
 168 67.4 56.2 84.4  
 167 36.4 29.8 44.8

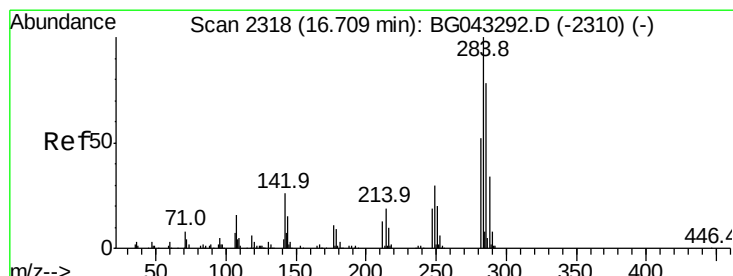
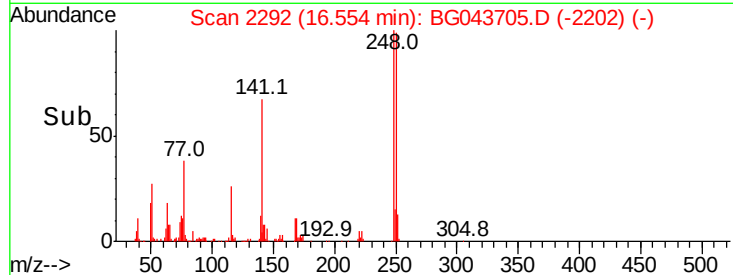
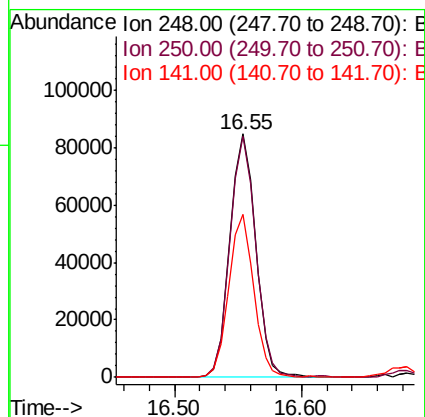
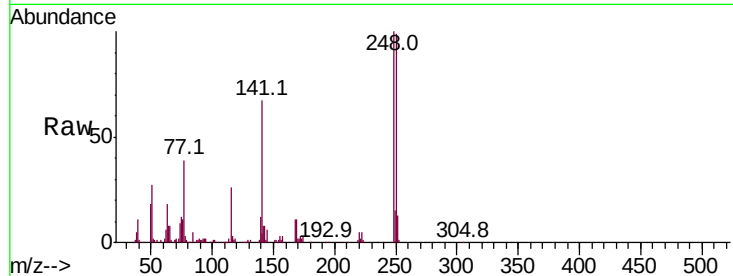




#67  
4-Bromophenyl-phenylether  
Concen: 41.526 ng  
RT: 16.55 min Scan# 2292  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

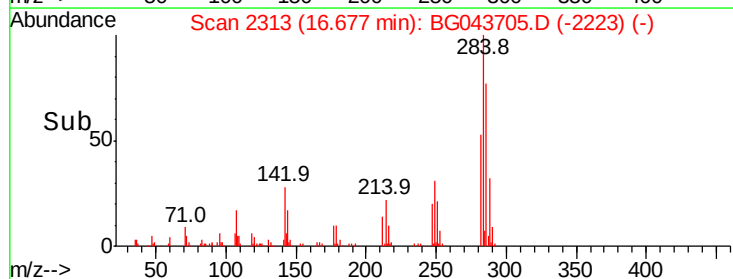
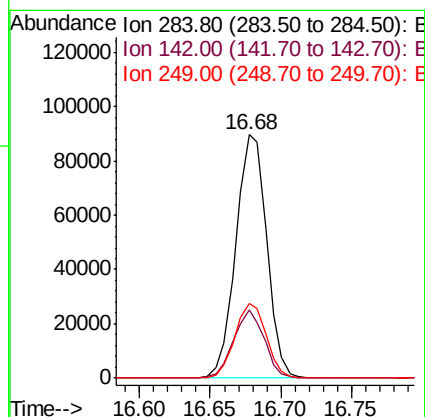
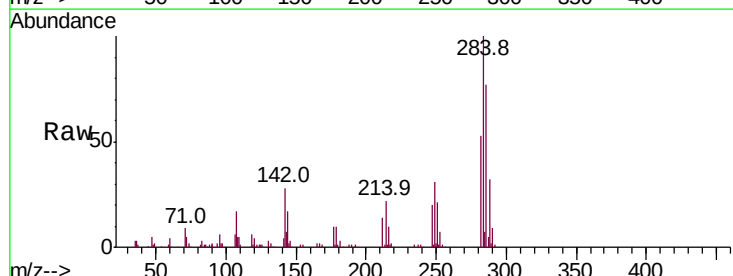
Instrument :  
BNA\_G  
ClientSampleId :

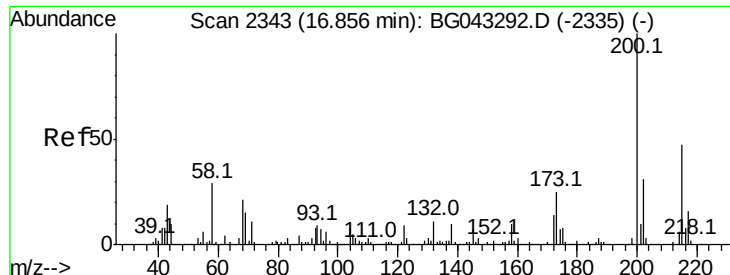
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 99.3  | 76.3  | 114.5 |
| 141     | 66.9  | 49.5  | 74.3  |



#68  
Hexachlorobenzene  
Concen: 41.368 ng  
RT: 16.68 min Scan# 2313  
Delta R.T. -0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 27.9  | 23.2  | 34.8  |
| 249     | 30.6  | 27.0  | 40.4  |





#69

Atrazine

Concen: 54.777 ng

RT: 16.82 min Scan# 2338

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

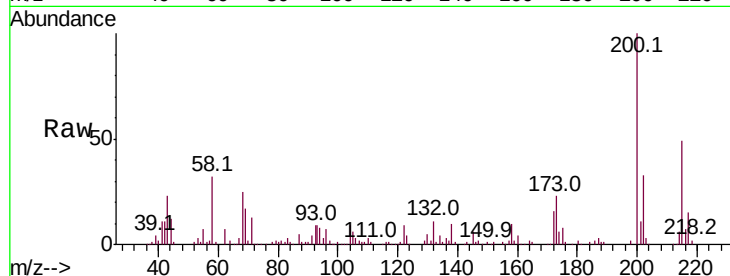
Tot Ion:200 Resp: 114984

Ion Ratio Lower Upper

200 100

173 23.3 5.1 45.1

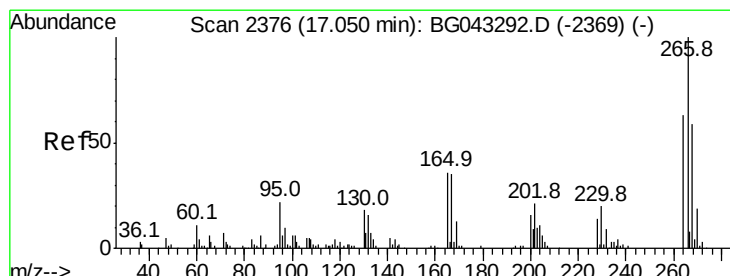
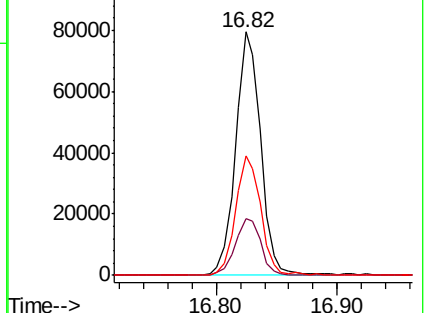
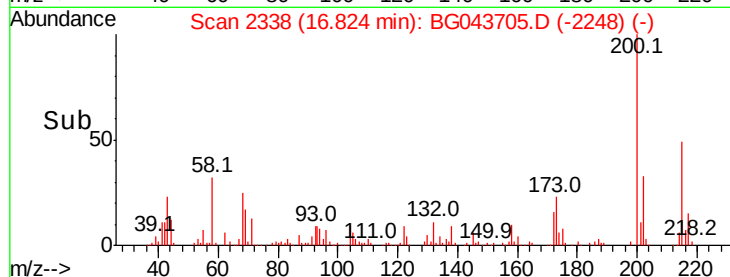
215 49.1 29.8 69.8



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: 88.643 ng

RT: 17.03 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

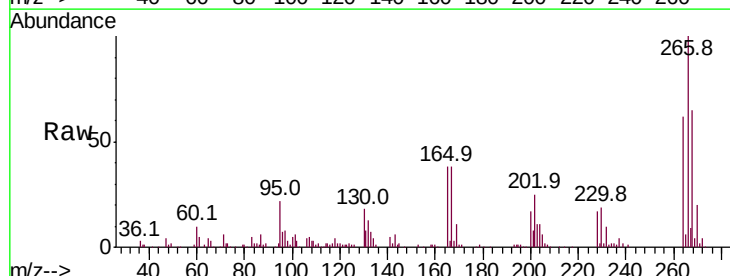
Tgt Ion:266 Resp: 133511

Ion Ratio Lower Upper

266 100

268 64.7 53.2 79.8

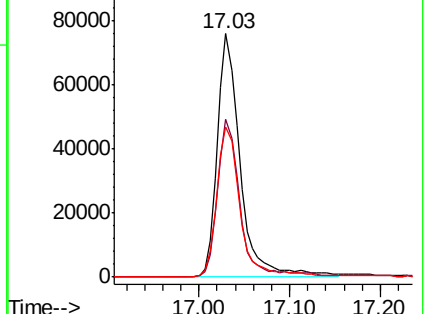
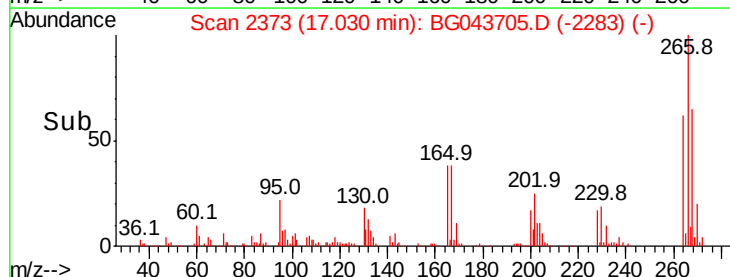
264 61.7 48.9 73.3

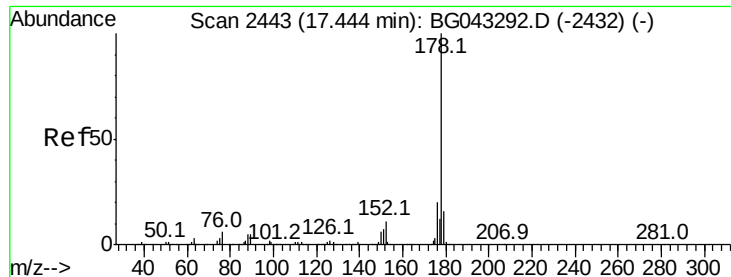


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

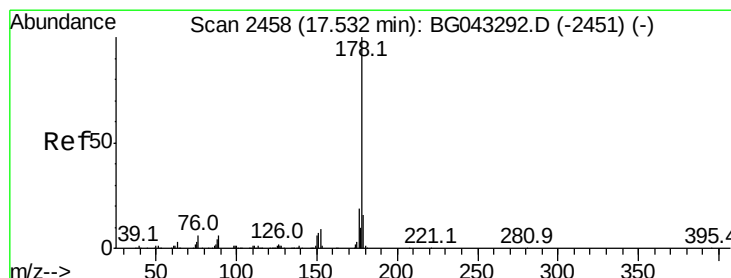
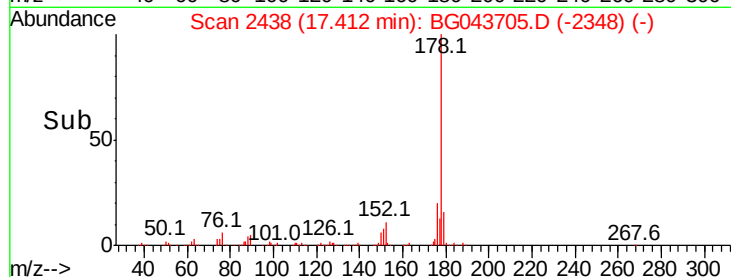
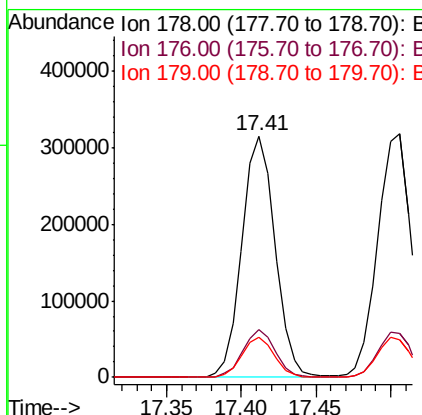
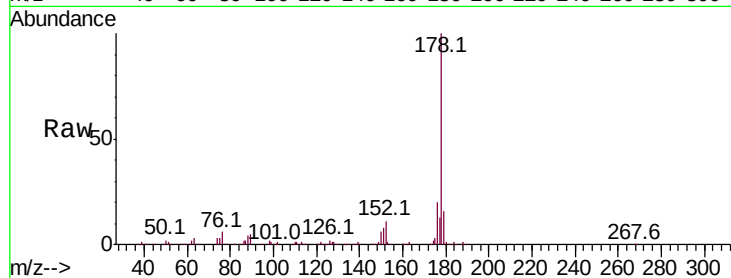




#71  
 Phenanthrene  
 Concen: 44.517 ng  
 RT: 17.41 min Scan# 2438  
 Delta R.T. -0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

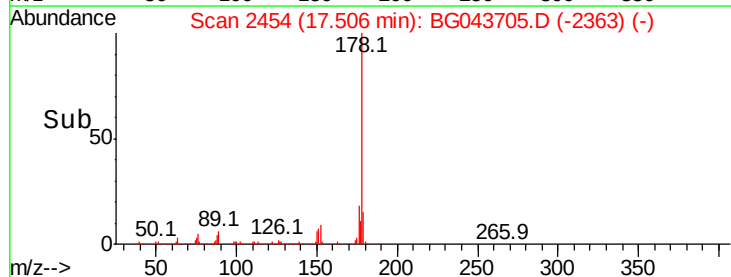
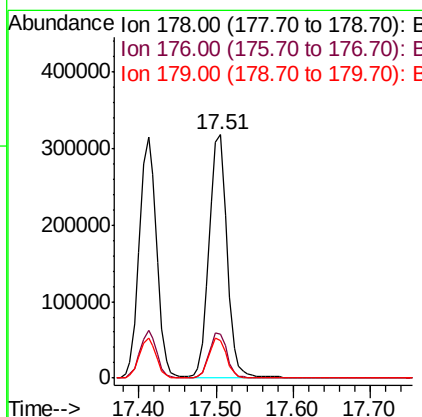
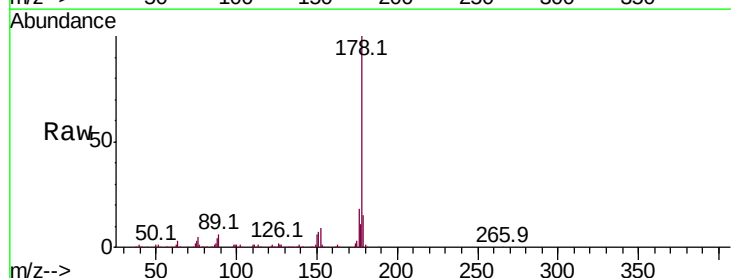
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 15.0  | 22.4  |
| 179     | 16.5  | 13.0  | 19.4  |

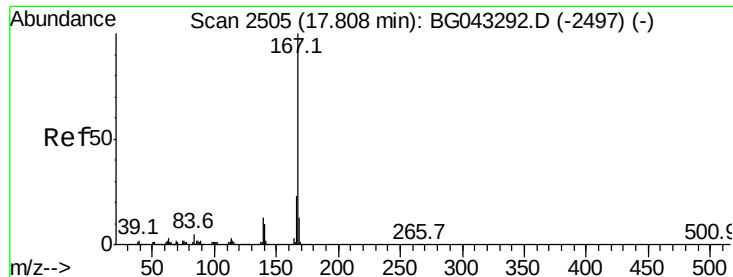


#72  
 Anthracene  
 Concen: 46.488 ng  
 RT: 17.51 min Scan# 2454  
 Delta R.T. 0.00 min  
 Lab File: BG043705.D  
 Acq: 19 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.0  | 22.6  |
| 179     | 15.5  | 13.3  | 19.9  |







#73

Carbazole

Concen: 45.457 ng

RT: 17.78 min Scan# 2500

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

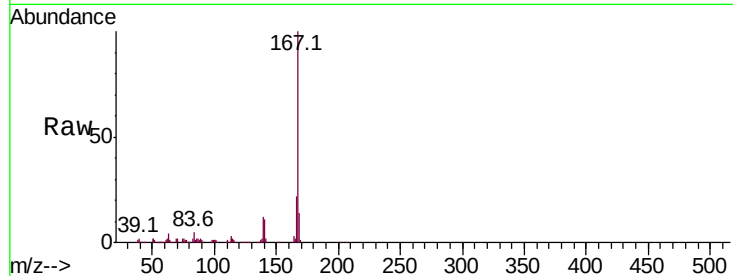
Tot Ion:167 Resp: 451285

Ion Ratio Lower Upper

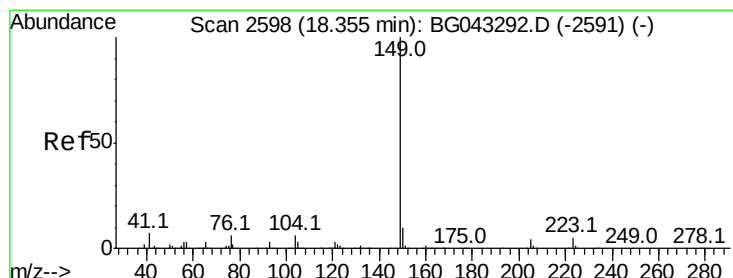
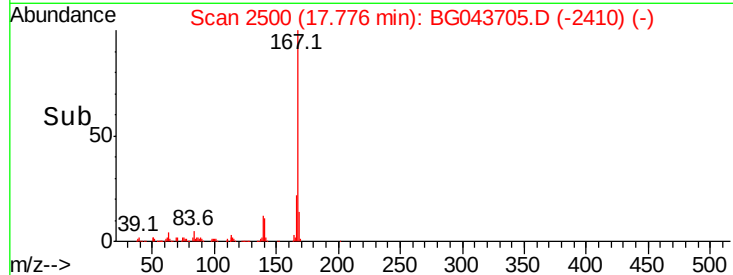
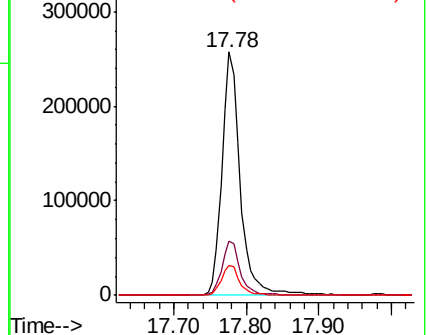
167 100

166 22.3 17.6 26.4

139 12.5 10.3 15.5



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: 44.452 ng

RT: 18.32 min Scan# 2593

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

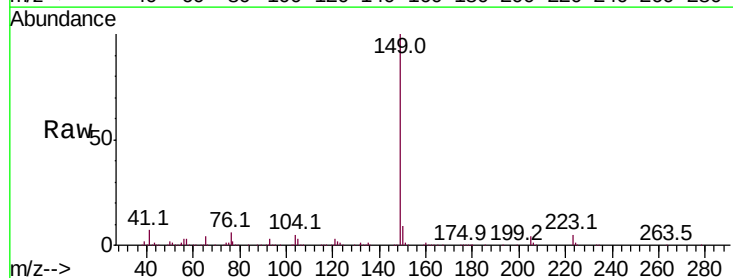
Tgt Ion:149 Resp: 535453

Ion Ratio Lower Upper

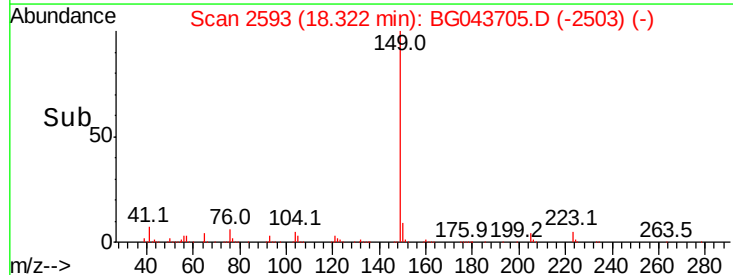
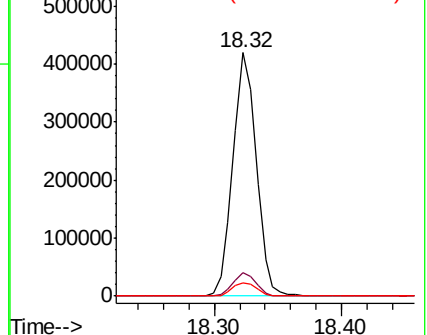
149 100

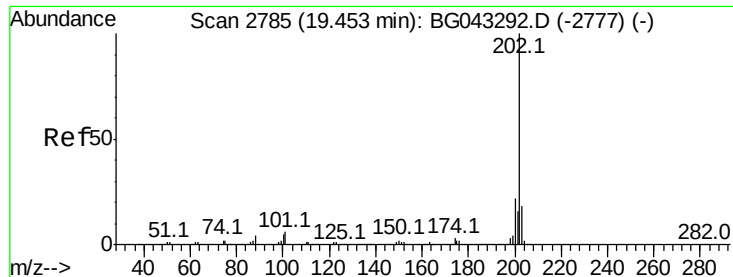
150 9.4 7.6 11.4

104 5.5 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 45.738 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

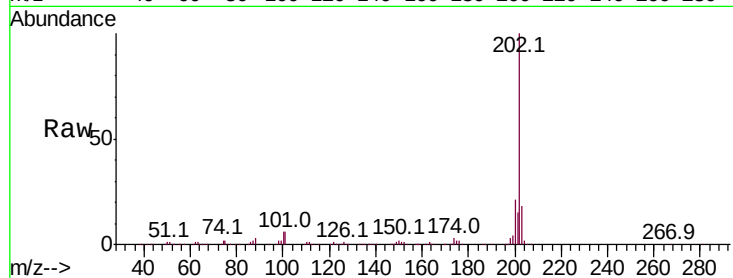
Tot Ion:202 Resp: 653350

Ion Ratio Lower Upper

202 100

101 6.2 0.0 25.6

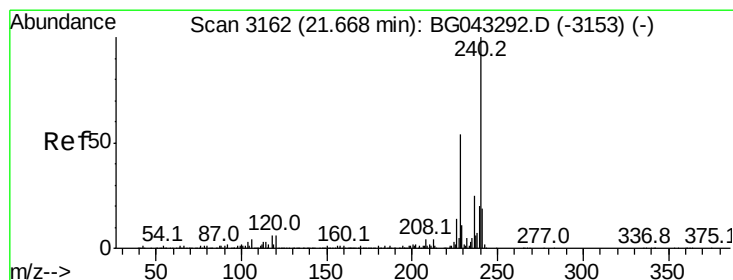
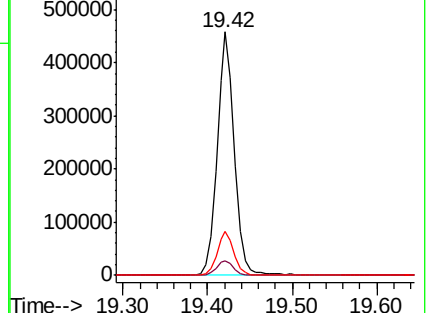
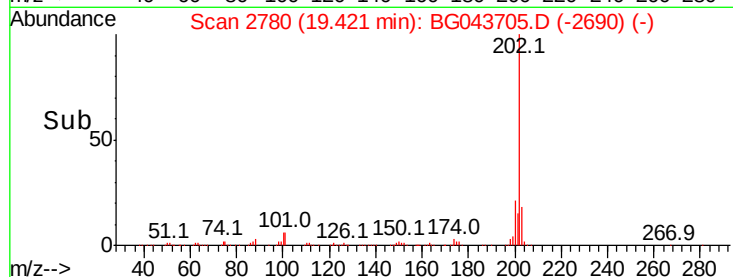
203 18.1 0.0 37.6



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: 21.64 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

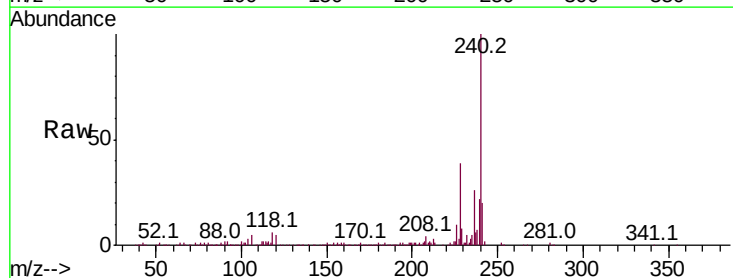
Tgt Ion:240 Resp: 230078

Ion Ratio Lower Upper

240 100

120 5.2 4.9 7.3

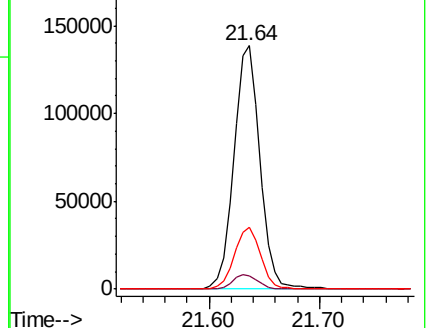
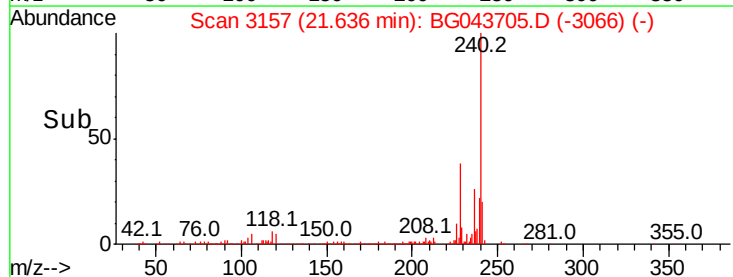
236 25.5 21.4 32.0

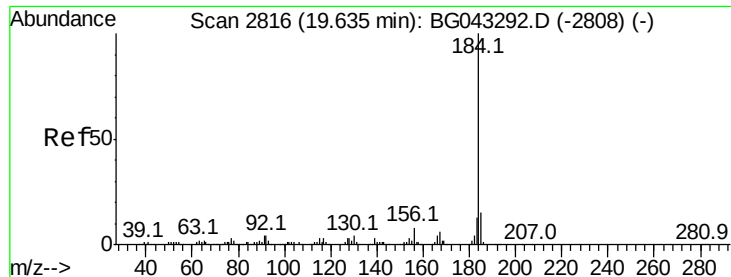


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 80.424 ng

RT: 19.60 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

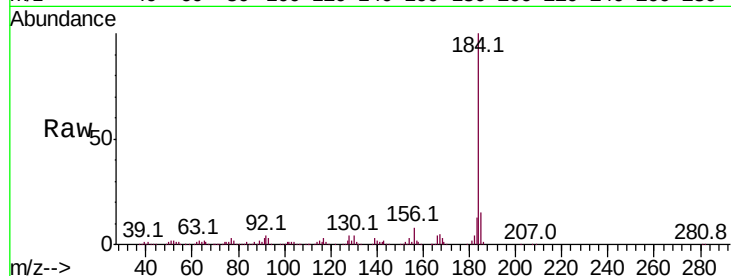
Tot Ion:184 Resp: 372396

Ion Ratio Lower Upper

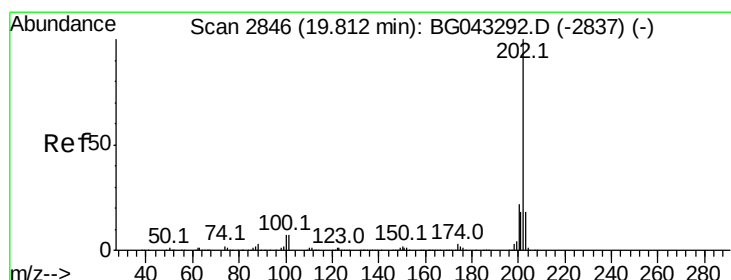
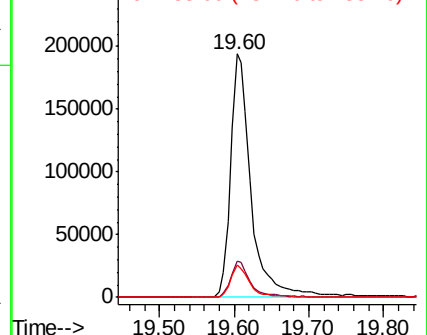
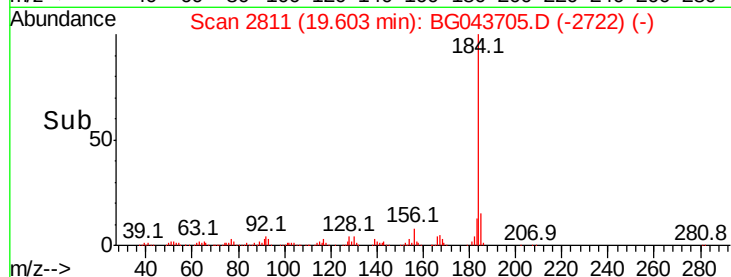
184 100

185 14.9 12.7 19.1

183 13.2 8.8 13.2#



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: 45.989 ng

RT: 19.79 min Scan# 2842

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

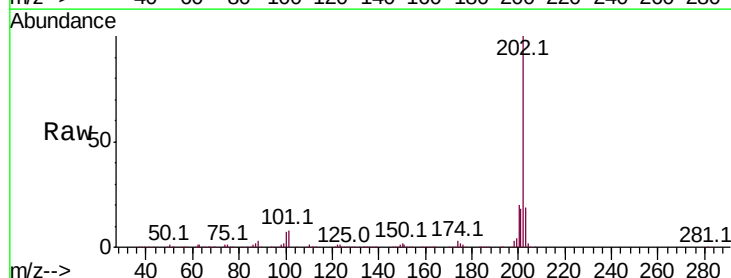
Tgt Ion:202 Resp: 654960

Ion Ratio Lower Upper

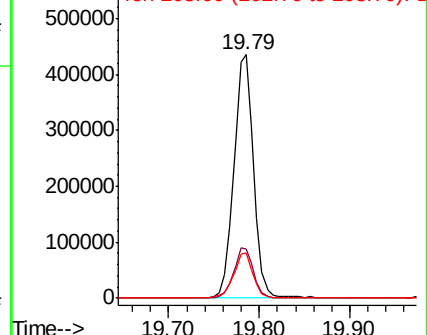
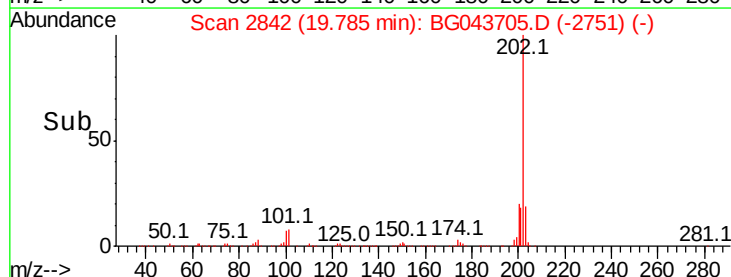
202 100

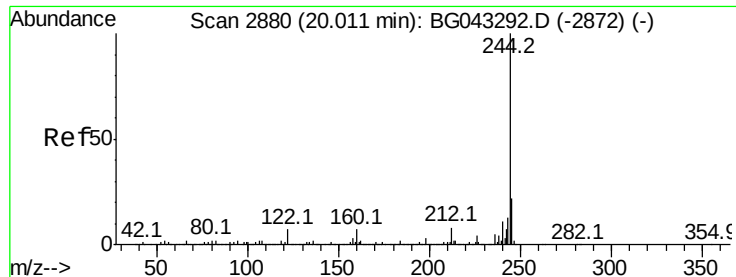
200 20.1 16.9 25.3

203 18.6 14.8 22.2



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: 81.458 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

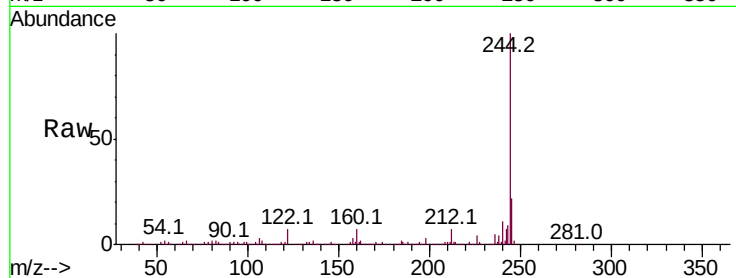
Tot Ion:244 Resp: 998993

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

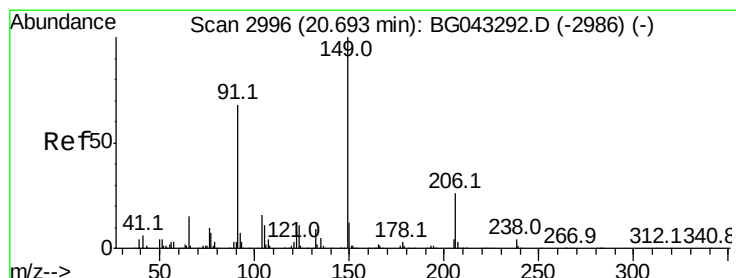
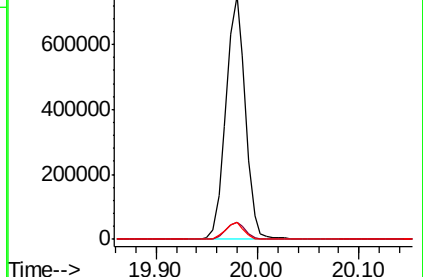
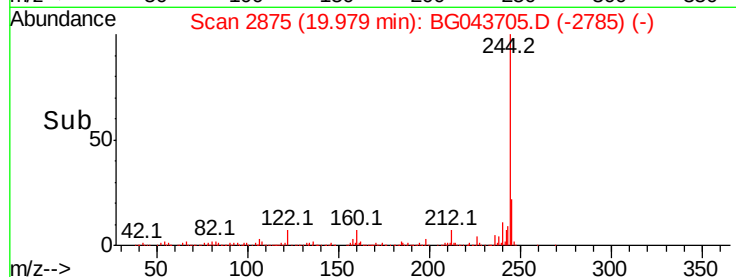
122 6.9 5.2 7.8



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: 45.589 ng

RT: 20.67 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

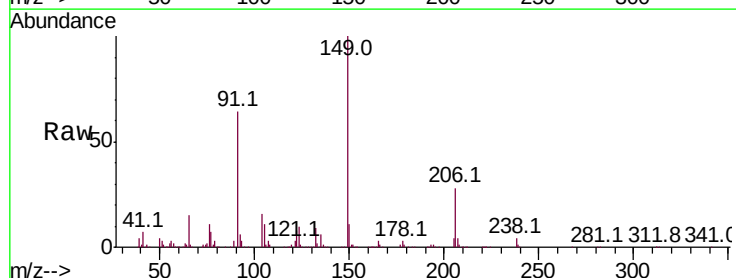
Tgt Ion:149 Resp: 245980

Ion Ratio Lower Upper

149 100

91 64.4 55.4 83.0

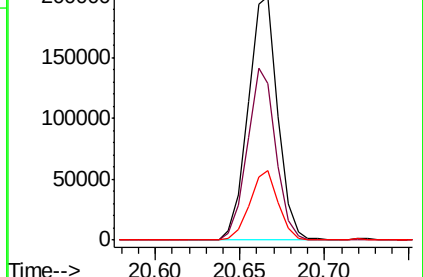
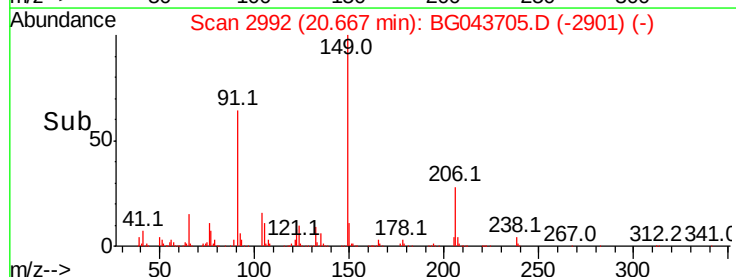
206 28.4 20.2 30.4

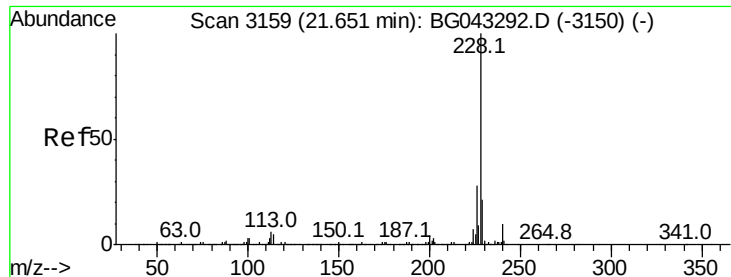


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.061 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampled :

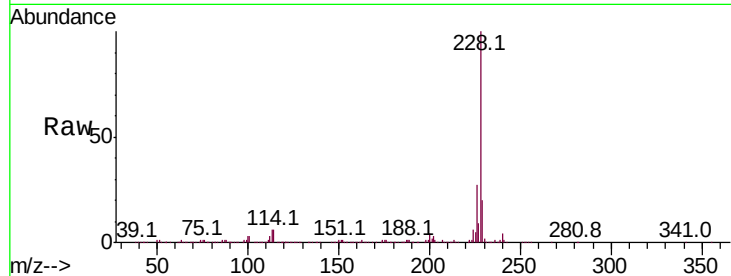
Tot Ion:228 Resp: 678239

Ion Ratio Lower Upper

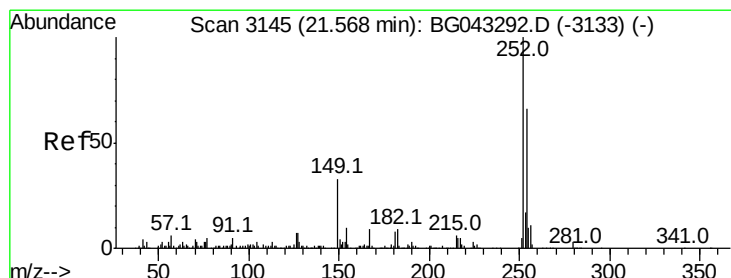
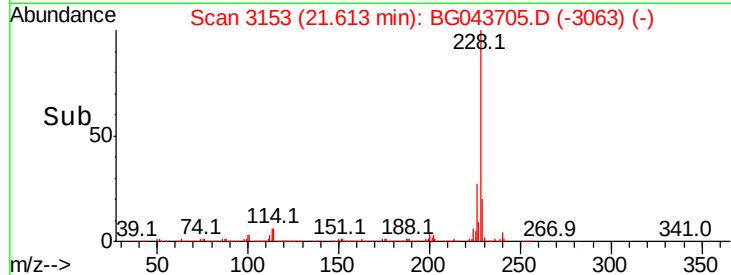
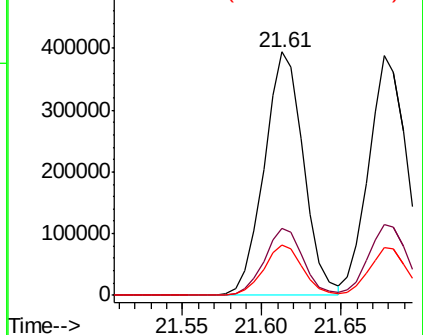
228 100

226 27.4 21.8 32.6

229 20.4 15.9 23.9



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: 26.885 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

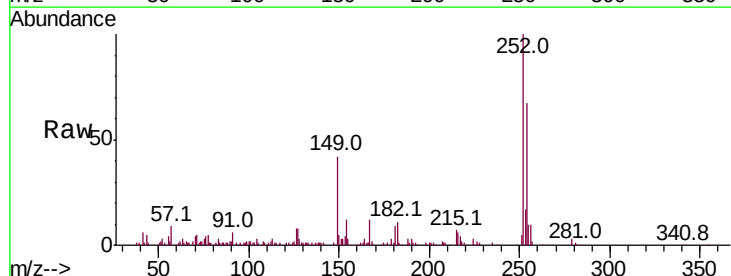
Tgt Ion:252 Resp: 149865

Ion Ratio Lower Upper

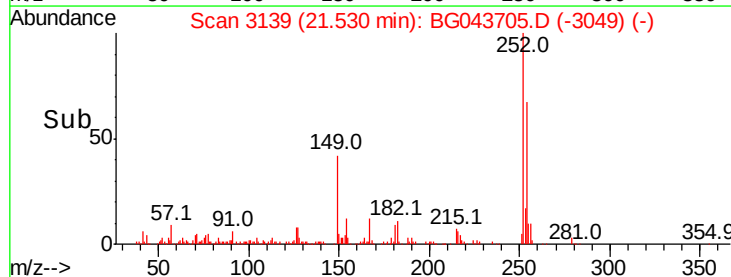
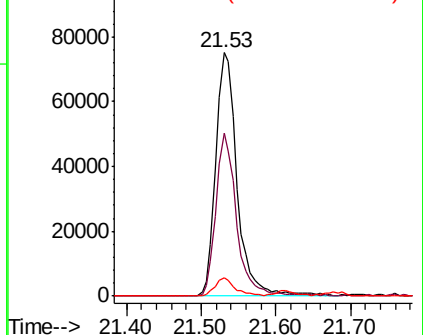
252 100

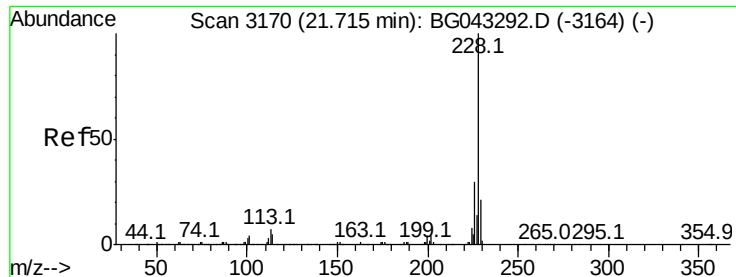
254 66.9 50.2 75.4

126 7.6 5.4 8.0



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: 46.062 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG043705.D

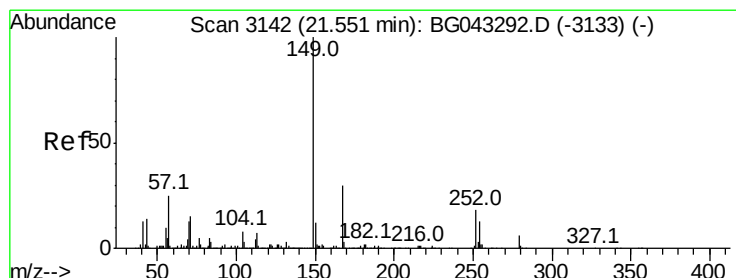
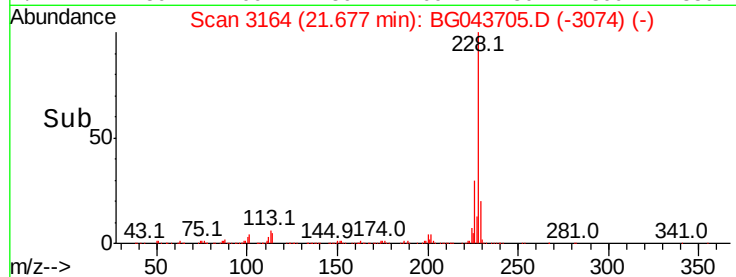
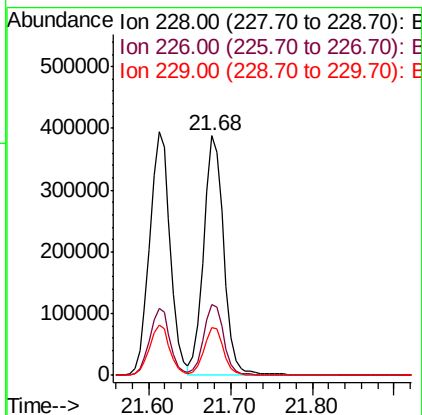
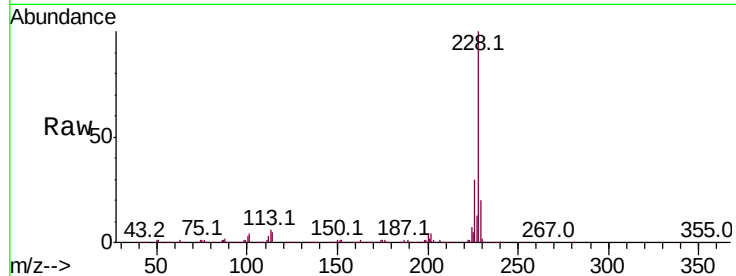
Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 228   | Resp: | 659577 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 29.8  | 23.3  | 34.9   |
| 229      | 19.9  | 16.5  | 24.7   |



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.299 ng

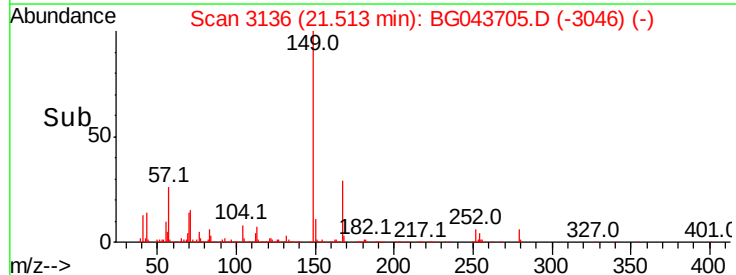
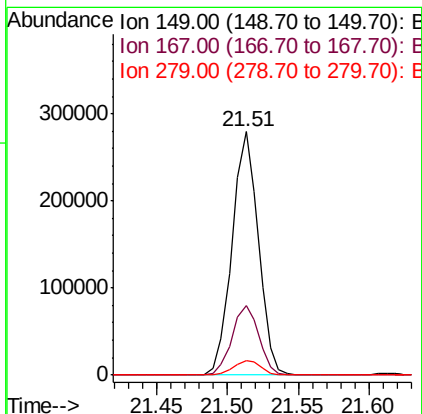
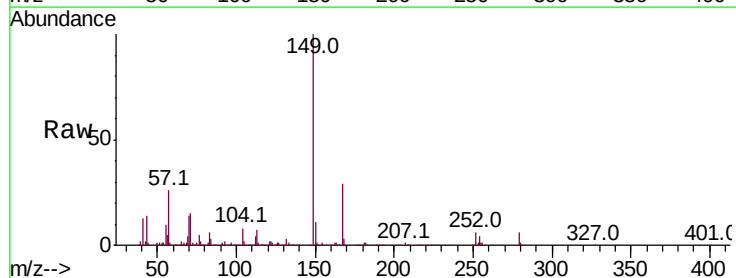
RT: 21.51 min Scan# 3136

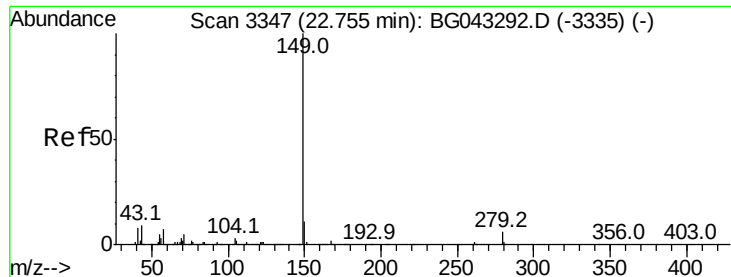
Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 362519 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 28.8  | 24.8  | 37.2   |
| 279      | 5.9   | 5.4   | 8.0    |





#85

Di-n-octyl phthalate

Concen: 47.813 ng

RT: 22.71 min Scan# 3339

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

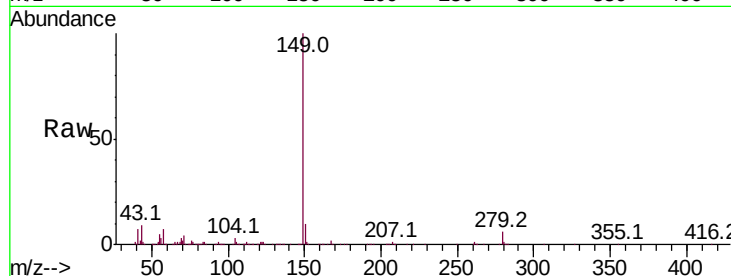
Tot Ion:149 Resp: 621722

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.2

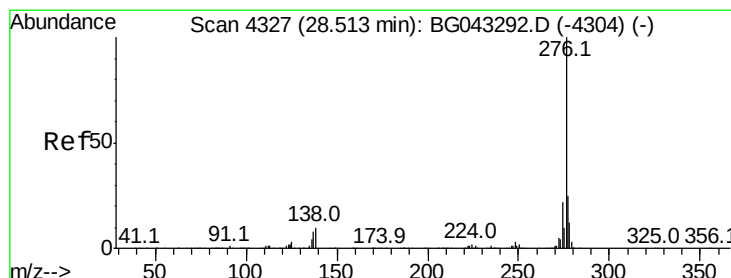
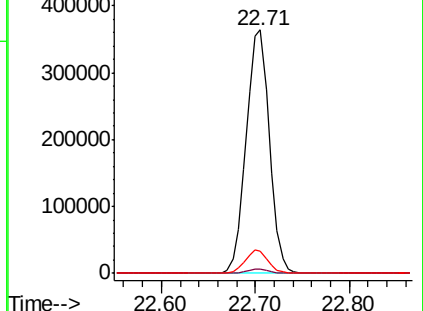
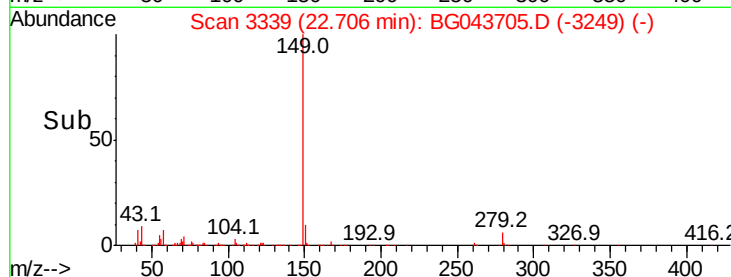
43 9.0 7.8 11.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 47.777 ng

RT: 28.43 min Scan# 4314

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

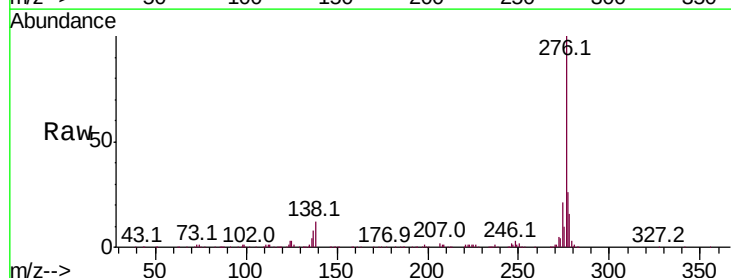
Tgt Ion:276 Resp: 858769

Ion Ratio Lower Upper

276 100

138 6.9 11.3 16.9#

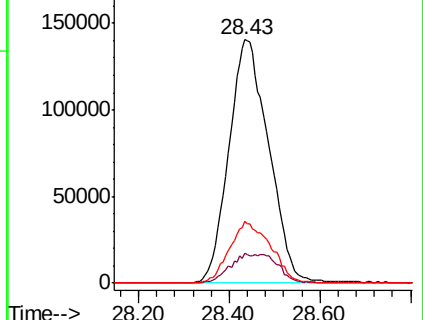
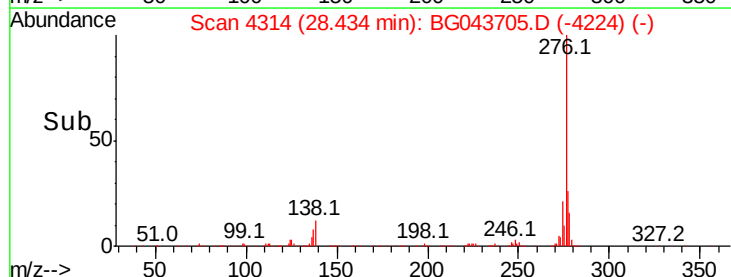
277 26.0 20.6 31.0

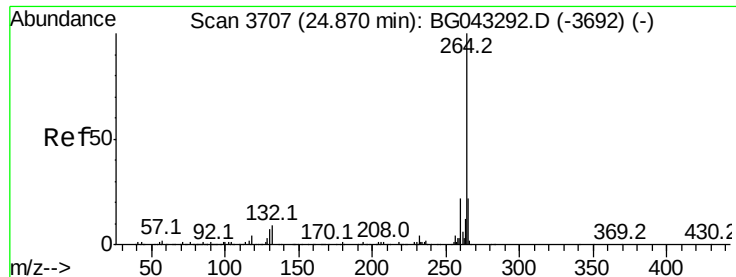


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3698

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

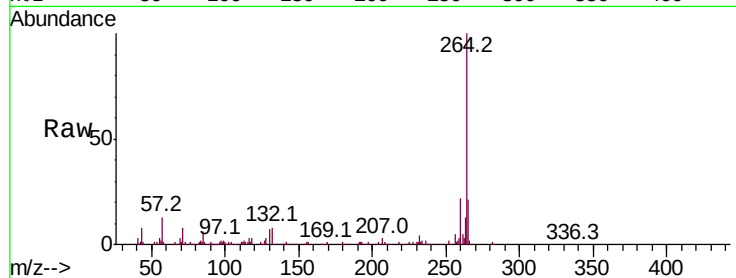
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:264 Resp: 273309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.6  | 18.4  | 27.6  |
| 265 | 21.2  | 15.8  | 23.8  |

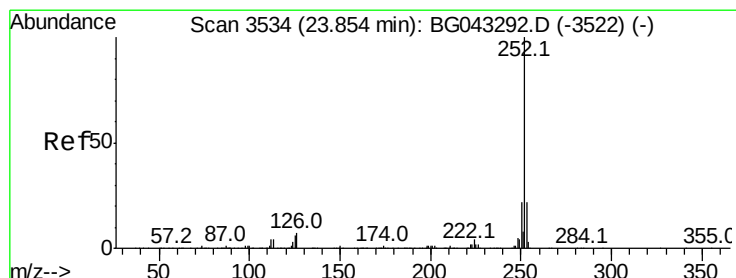
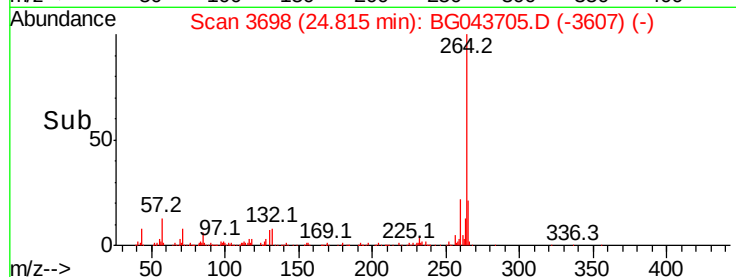
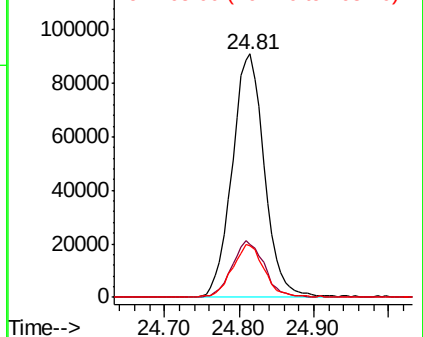


Abundance

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: 46.938 ng

RT: 23.81 min Scan# 3527

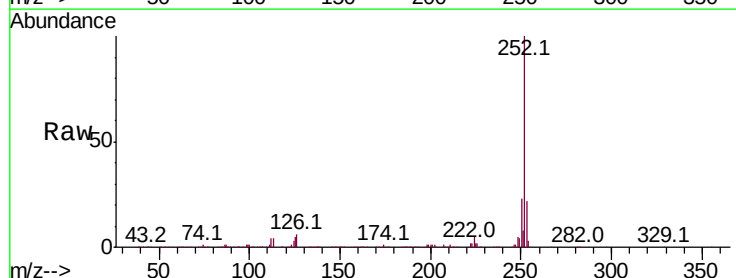
Delta R.T. 0.01 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Tgt Ion:252 Resp: 726565

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 17.7  | 26.5  |
| 125 | 5.0   | 4.5   | 6.7   |

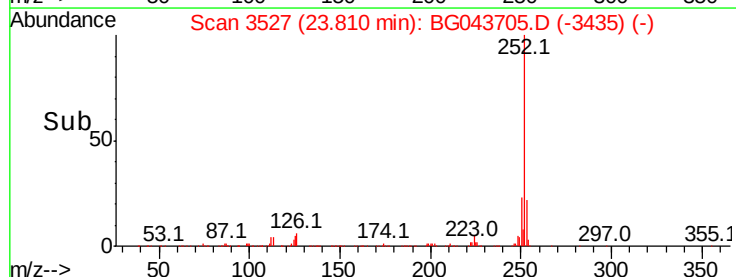
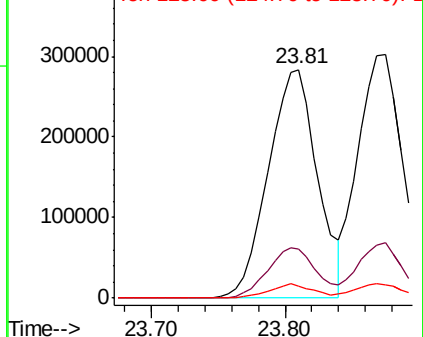


Abundance

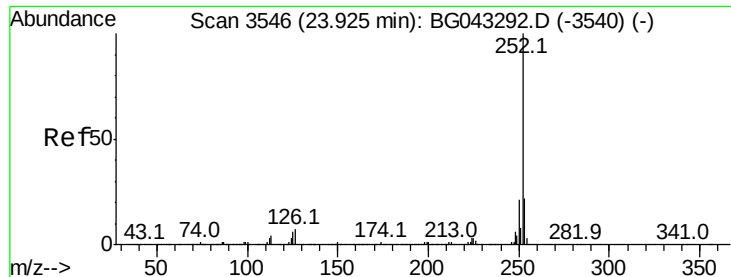
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



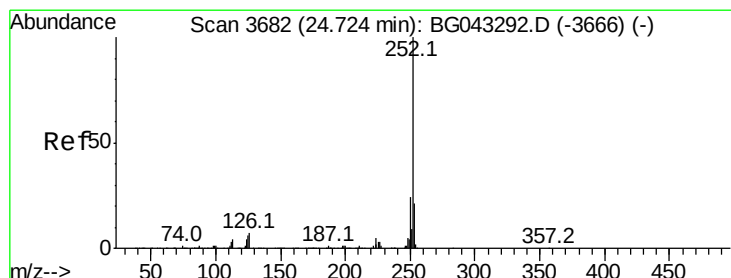
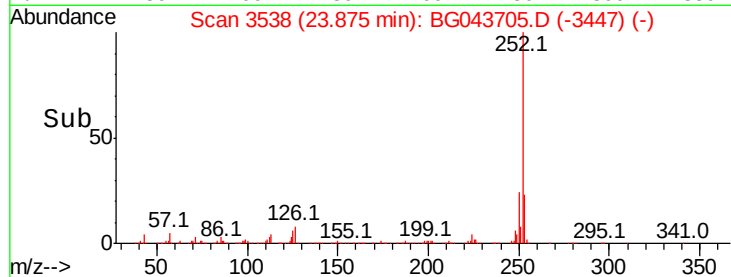
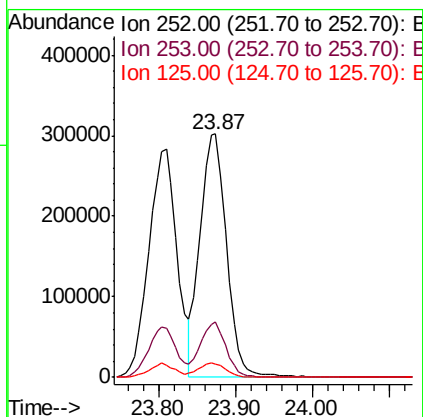
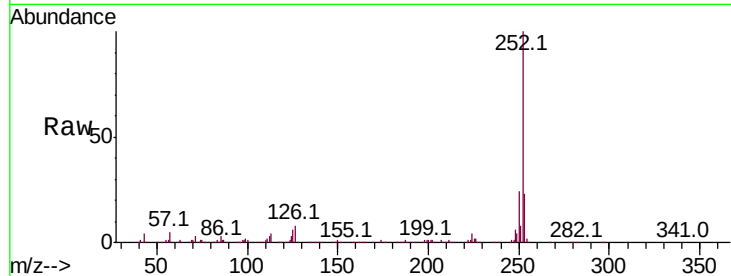




#89  
Benzo(k)fluoranthene  
Concen: 45.725 ng  
RT: 23.87 min Scan# 3538  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

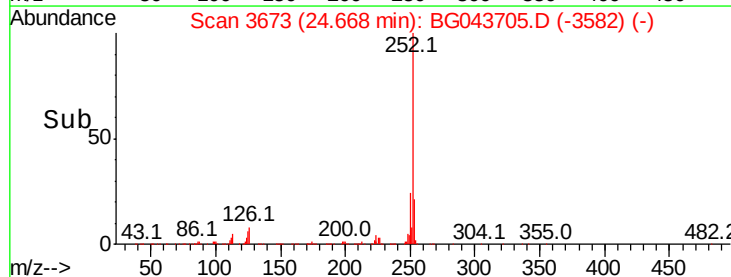
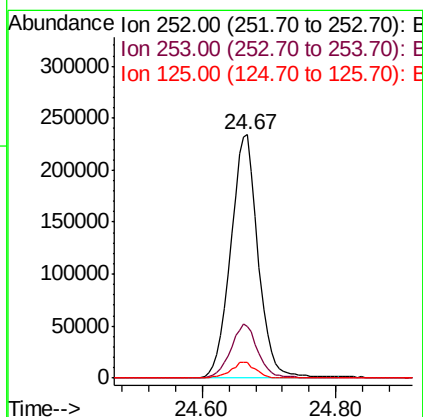
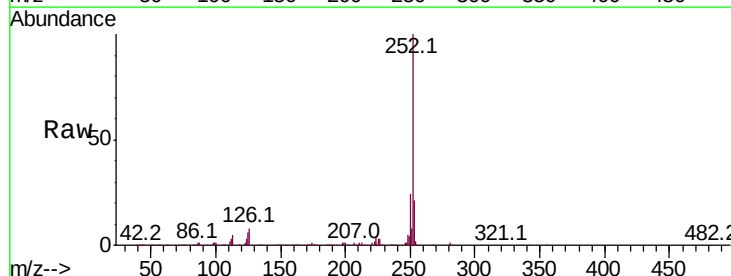
Instrument :  
BNA\_G  
ClientSampleId :

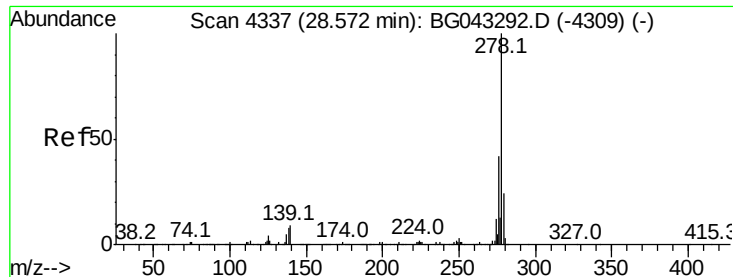
Tot Ion:252 Resp: 712548  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.0 27.0  
125 5.5 4.7 7.1



#90  
Benzo(a)pyrene  
Concen: 45.395 ng  
RT: 24.67 min Scan# 3673  
Delta R.T. 0.00 min  
Lab File: BG043705.D  
Acq: 19 Nov 2019 19:34

Tgt Ion:252 Resp: 671014  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.9 26.9  
125 6.4 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 47.938 ng

RT: 28.49 min Scan# 4324

Delta R.T. 0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

Instrument :

BNA\_G

ClientSampleId :

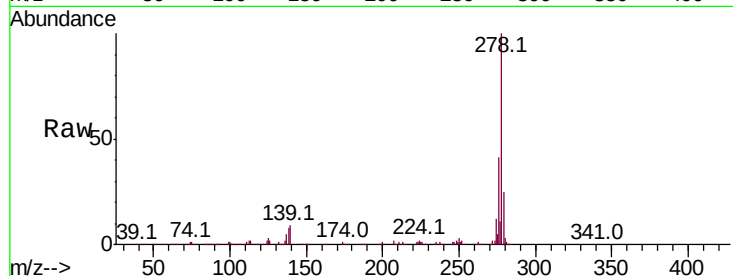
Tot Ion:278 Resp: 724801

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 8.6   | 7.2   | 10.8  |
| 279 | 25.2  | 19.0  | 28.4  |

278 100

139 8.6 7.2 10.8

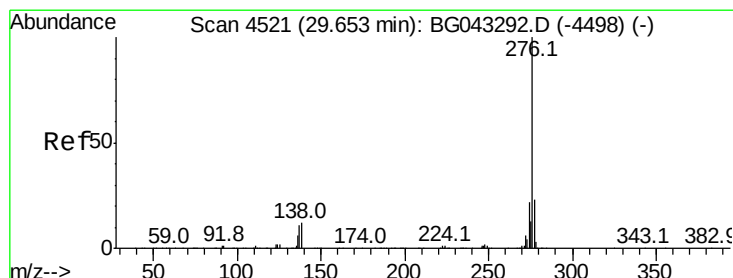
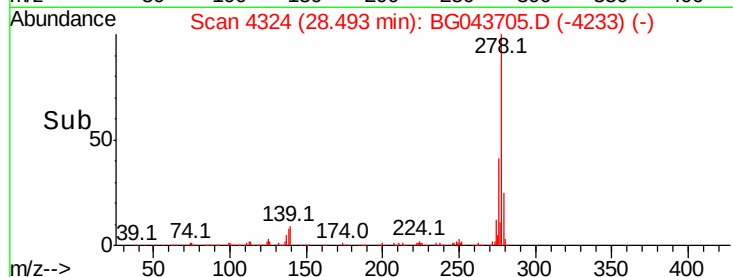
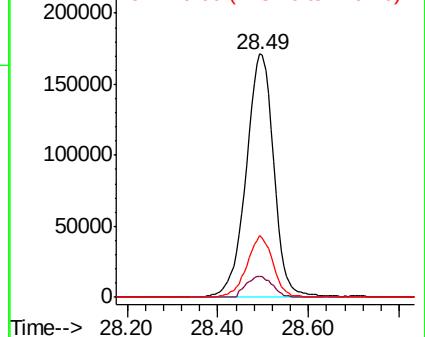
279 25.2 19.0 28.4



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: 48.204 ng

RT: 29.57 min Scan# 4508

Delta R.T. -0.00 min

Lab File: BG043705.D

Acq: 19 Nov 2019 19:34

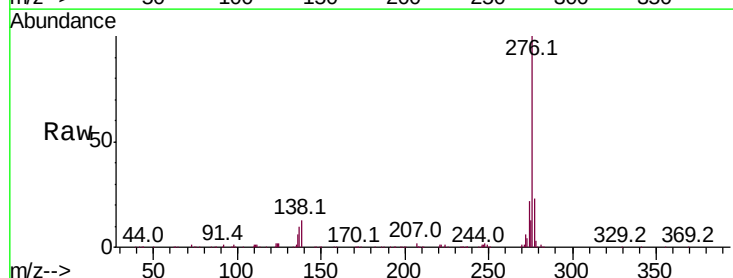
Tgt Ion:276 Resp: 718913

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 22.5  | 19.8  | 29.6  |
| 138 | 12.9  | 9.7   | 14.5  |

276 100

277 22.5 19.8 29.6

138 12.9 9.7 14.5



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

