

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\  
 Data File : BG041597.D  
 Acq On : 3 Jul 2019 19:44  
 Operator : HP/JU  
 Sample : K3618-02MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-070219MS

Manual Integrations  
 APPROVED

mohammad  
 7/5/2019 8:43:02 AM

Quant Time: Jul 04 04:40:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:25:55 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 25234    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.85 | 136  | 89763    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.67 | 164  | 67270    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.42 | 188  | 191813   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.69 | 240  | 221625   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.98 | 264  | 245893   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.57  | 112 | 168973  | 119.38 | ng | 0.00 |
| 7) Phenol-d6             | 7.19  | 99  | 219670  | 110.25 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.21  | 82  | 186382  | 86.60  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 163689  | 142.51 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.29 | 172 | 452917  | 86.40  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.03 | 244 | 1057071 | 101.36 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.42  | 88  | 19581  | 30.562 | ng | # 26   |
| 3) Pyridine                    | 3.84  | 79  | 44446  | 27.342 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.75  | 42  | 32261  | 35.664 | ng | 99     |
| 6) Aniline                     | 7.36  | 93  | 23474  | 9.140  | ng | 95     |
| 8) 2-Chlorophenol              | 7.59  | 128 | 64929  | 40.905 | ng | 96     |
| 9) Benzaldehyde                | 7.17  | 77  | 41368  | 34.379 | ng | 96     |
| 10) Phenol                     | 7.22  | 94  | 69055  | 34.388 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.45  | 93  | 56894  | 35.727 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146 | 74575  | 36.318 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.06  | 146 | 76470  | 36.942 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146 | 72884  | 36.774 | ng | 98     |
| 15) Benzyl Alcohol             | 8.28  | 79  | 60113  | 37.884 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55  | 45  | 70108  | 31.350 | ng | 95     |
| 17) 2-Methylphenol             | 8.47  | 107 | 55243  | 37.792 | ng | 99     |
| 18) Hexachloroethane           | 9.10  | 117 | 29277  | 35.845 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.84  | 70  | 53125  | 35.745 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 73377  | 37.662 | ng | 96     |
| 22) Acetophenone               | 8.86  | 105 | 109640 | 40.720 | ng | 98     |
| 24) Nitrobenzene               | 9.26  | 77  | 88884  | 41.144 | ng | 97     |
| 25) Isophorone                 | 9.77  | 82  | 148709 | 38.485 | ng | 97     |
| 26) 2-Nitrophenol              | 9.97  | 139 | 34848  | 38.626 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 10.01 | 122 | 61138  | 48.690 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93  | 75174  | 36.791 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.51 | 162 | 74225  | 43.764 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.71 | 180 | 87625  | 40.310 | ng | 94     |
| 31) Naphthalene                | 10.90 | 128 | 207628 | 41.826 | ng | 97     |
| 32) Benzoic acid               | 10.17 | 122 | 9648m  | 20.059 | ng |        |
| 33) 4-Chloroaniline            | 11.04 | 127 | 6043   | 2.892  | ng | # 89   |
| 34) Hexachlorobutadiene        | 11.16 | 225 | 68858  | 39.906 | ng | 99     |
| 35) Caprolactam                | 11.82 | 113 | 16056m | 30.319 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 79701  | 43.372 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.51 | 142 | 151609 | 41.340 | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.72 | 142 | 144014 | 41.161 | ng | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 120599 | 40.714 | ng | 99     |

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 HD-01-070219MS

Manual Integrations  
 APPROVED

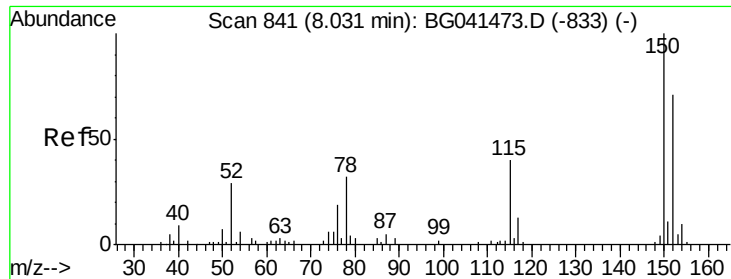
mohammad  
 7/5/2019 8:43:02 AM

Quant Time: Jul 04 04:40:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M  
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 QLast Update : Thu Jun 27 13:25:55 2019  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.83 | 237  | 119613   | 74.680 | nq    | 93       |
| 43) 2,4,6-Trichlorophenol      | 13.12 | 196  | 72169    | 41.065 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.19 | 196  | 77817m   | 44.445 | nq    |          |
| 46) 1,1'-Biphenyl              | 13.50 | 154  | 212315   | 39.982 | nq    | 96       |
| 47) 2-Chloronaphthalene        | 13.56 | 162  | 176806   | 38.782 | nq    | 98       |
| 48) 2-Nitroaniline             | 13.77 | 65   | 54197    | 35.069 | nq    | 96       |
| 49) Acenaphthylene             | 14.40 | 152  | 282751   | 41.494 | nq    | 100      |
| 50) Dimethylphthalate          | 14.13 | 163  | 250229   | 40.876 | nq    | 98       |
| 51) 2,6-Dinitrotoluene         | 14.26 | 165  | 53307    | 41.033 | nq    | 93       |
| 52) Acenaphthene               | 14.74 | 154  | 161562   | 39.982 | nq    | 99       |
| 53) 3-Nitroaniline             | 14.61 | 138  | 9698     | 7.820  | nq    | 89       |
| 54) 2,4-Dinitrophenol          | 14.81 | 184  | 34280    | 43.808 | nq    | 94       |
| 55) Dibenzofuran               | 15.07 | 168  | 296542   | 42.154 | nq    | 98       |
| 56) 4-Nitrophenol              | 14.91 | 139  | 66723    | 83.364 | nq    | 89       |
| 57) 2,4-Dinitrotoluene         | 15.05 | 165  | 79685    | 42.281 | nq    | 99       |
| 58) Fluorene                   | 15.72 | 166  | 242367   | 43.307 | nq    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.30 | 232  | 83982m   | 45.499 | nq    |          |
| 60) Diethylphthalate           | 15.48 | 149  | 255180   | 40.723 | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204  | 150668   | 41.738 | nq    | 98       |
| 62) 4-Nitroaniline             | 15.77 | 138  | 46926    | 38.823 | nq    | 93       |
| 63) Azobenzene                 | 16.00 | 77   | 218182   | 41.298 | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 36585    | 30.796 | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.92 | 169  | 212819   | 40.313 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.60 | 248  | 106156   | 40.499 | nq    | 98       |
| 68) Hexachlorobenzene          | 16.72 | 284  | 114218   | 40.443 | nq    | 98       |
| 69) Atrazine                   | 16.87 | 200  | 100144   | 44.815 | nq    | 94       |
| 70) Pentachlorophenol          | 17.07 | 266  | 106744   | 83.415 | nq    | 94       |
| 71) Phenanthrene               | 17.46 | 178  | 453692   | 42.930 | nq    | 99       |
| 72) Anthracene                 | 17.56 | 178  | 456247   | 43.148 | nq    | 99       |
| 73) Carbazole                  | 17.83 | 167  | 397405   | 44.210 | nq    | 100      |
| 74) Di-n-butylphthalate        | 18.36 | 149  | 462628   | 40.948 | nq    | 98       |
| 75) Fluoranthene               | 19.47 | 202  | 631350   | 44.808 | nq    | 98       |
| 77) Benzidine                  | 19.67 | 184  | 56154    | 11.419 | nq    | 97       |
| 78) Pyrene                     | 19.84 | 202  | 640248   | 42.318 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.70 | 149  | 210946   | 37.333 | nq    | 95       |
| 81) Benzo(a)anthracene         | 21.68 | 228  | 642844   | 41.721 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.59 | 252  | 67539    | 12.659 | nq    | 98       |
| 83) Chrysene                   | 21.75 | 228  | 619744   | 41.554 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149  | 303653   | 37.907 | nq    | 100      |
| 85) Di-n-octyl phthalate       | 22.76 | 149  | 527226   | 38.893 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.77 | 276  | 786492   | 43.550 | nq    | # 99     |
| 88) Benzo(b)fluoranthene       | 23.93 | 252  | 656117   | 41.834 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 24.00 | 252  | 660990   | 42.927 | nq    | 99       |
| 90) Benzo(a)pyrene             | 24.83 | 252  | 645054   | 43.305 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.82 | 278  | 648436   | 43.452 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 29.96 | 276  | 647806   | 43.660 | nq    | 98       |

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





#1

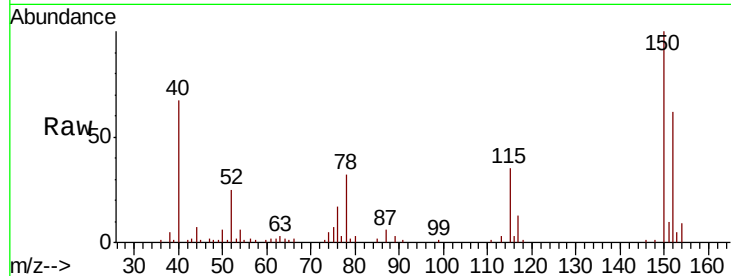
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 841  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.6 | 112.4 | 168.6 |
| 115     | 56.1  | 44.6  | 66.8  |

Manual Integrations  
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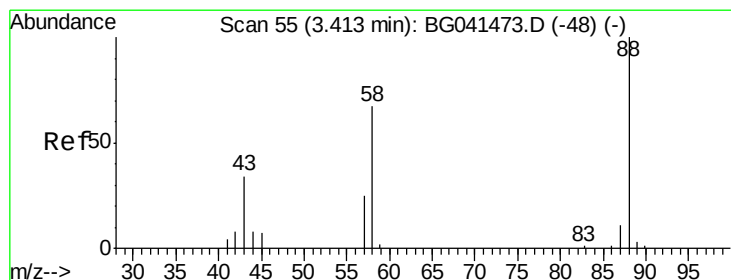
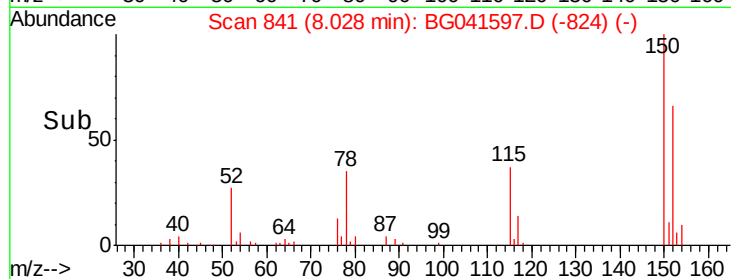
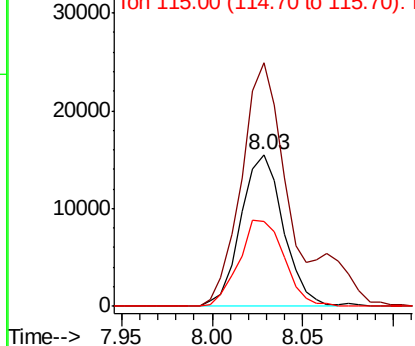


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

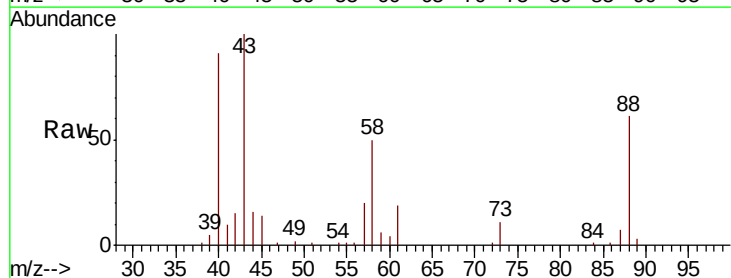
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 30.562 ng  
RT: 3.42 min Scan# 56  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.6  | 55.8  | 83.8  |
| 43      | 149.2 | 27.8  | 41.8# |

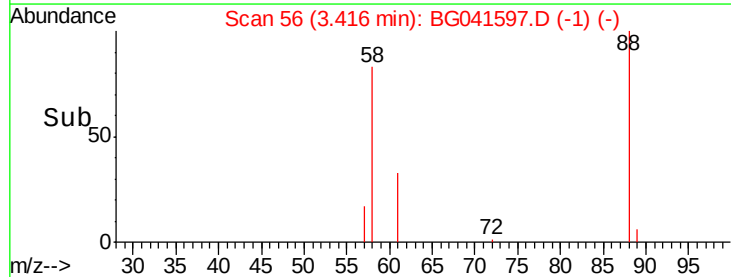
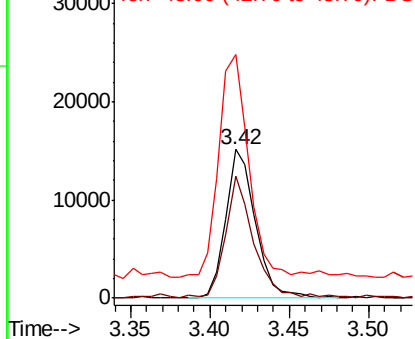


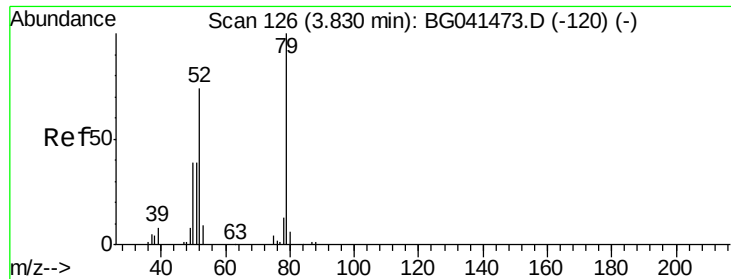
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 27.342 ng

RT: 3.84 min Scan# 128

Delta R.T. 0.01 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

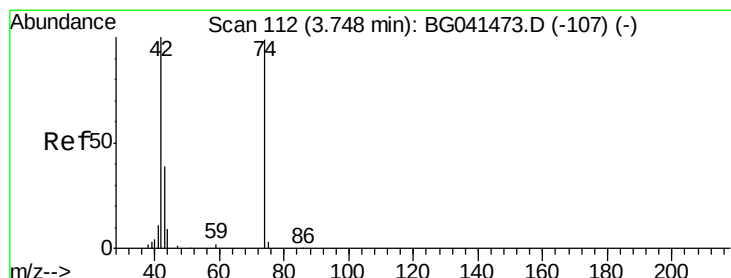
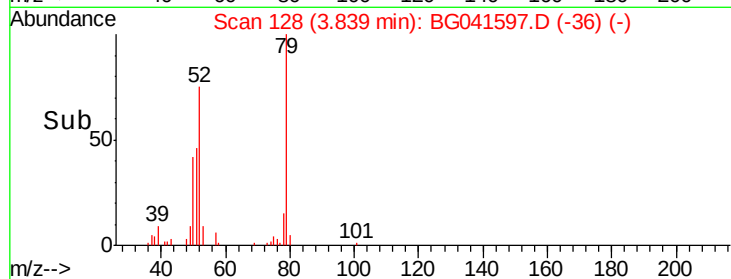
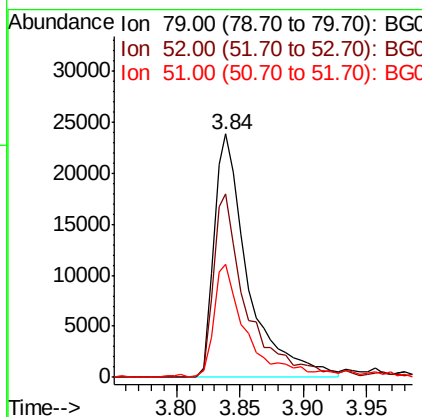
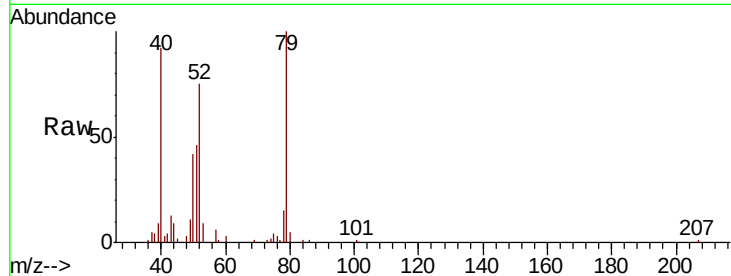
ClientSampleId :

HD-01-070219MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 44446 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 75.2  | 59.4  | 89.0  |
| 51       | 46.3  | 32.3  | 48.5  |

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#4

n-Nitrosodimethylamine

Concen: 35.664 ng

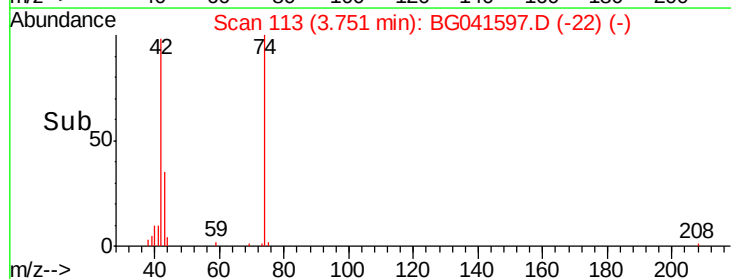
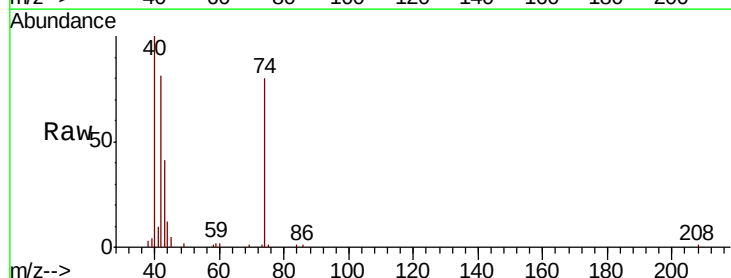
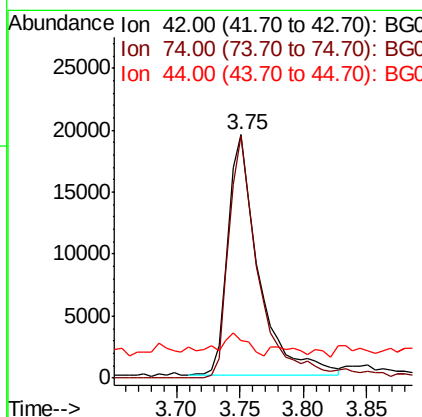
RT: 3.75 min Scan# 113

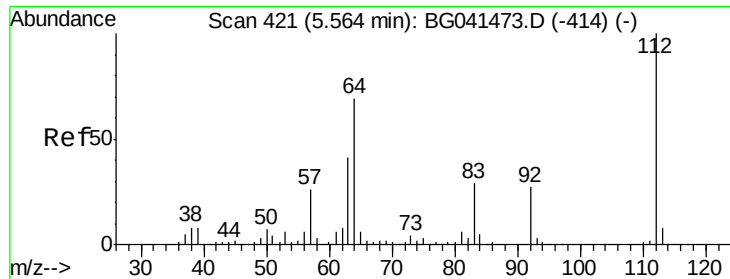
Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 32261 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 99.5  | 79.5  | 119.3 |
| 44       | 15.2  | 14.2  | 21.2  |





#5

2-Fluorophenol

Concen: 119.384 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

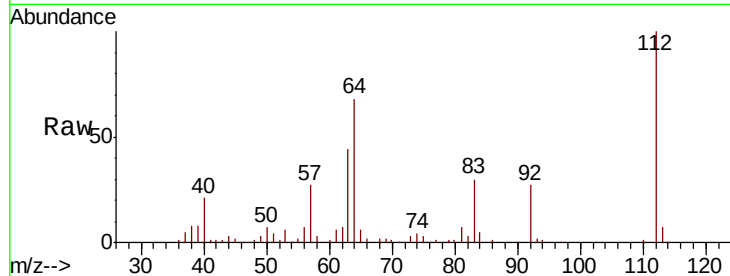
ClientSampleId :

HD-01-070219MS

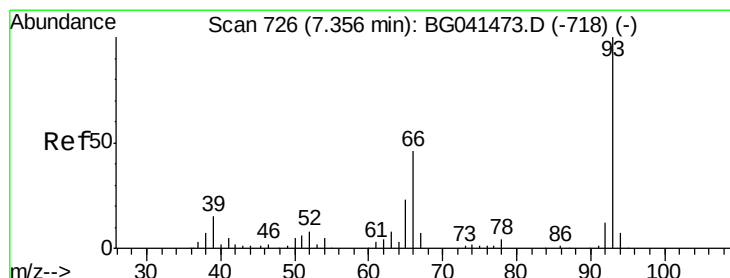
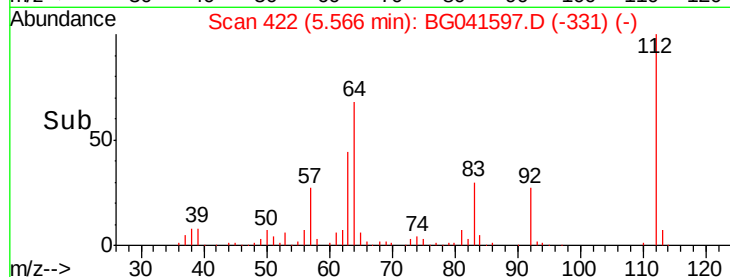
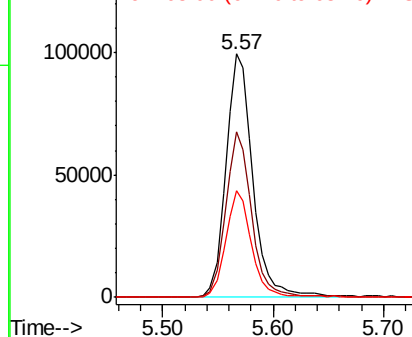
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 168973 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 68.0  | 55.1  | 82.7   |
| 63        | 43.9  | 32.4  | 48.6   |

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



#6

Aniline

Concen: 9.140 ng

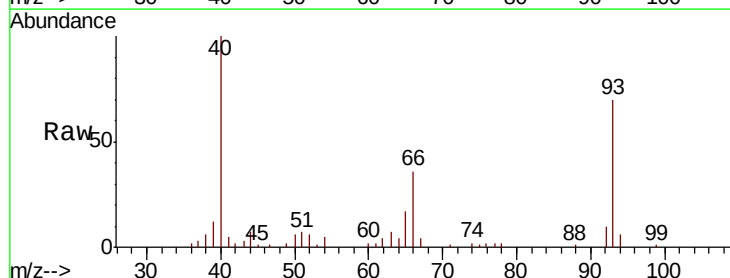
RT: 7.36 min Scan# 727

Delta R.T. 0.00 min

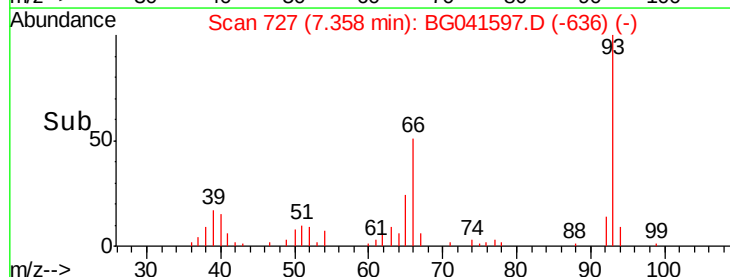
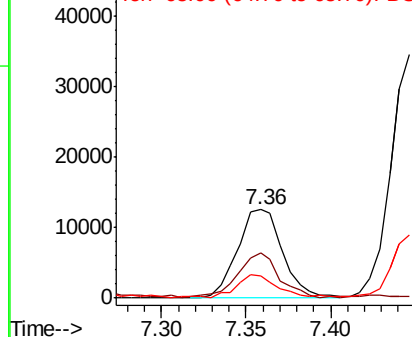
Lab File: BG041597.D

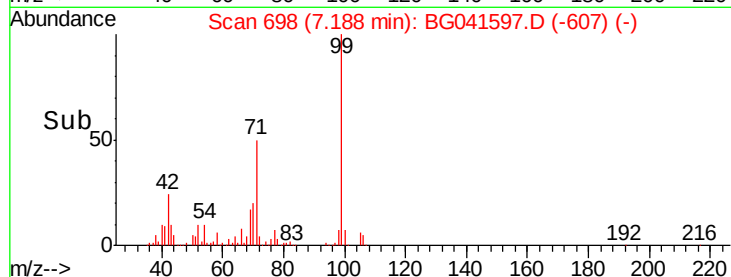
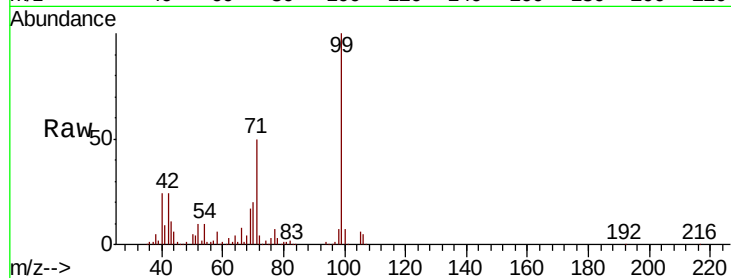
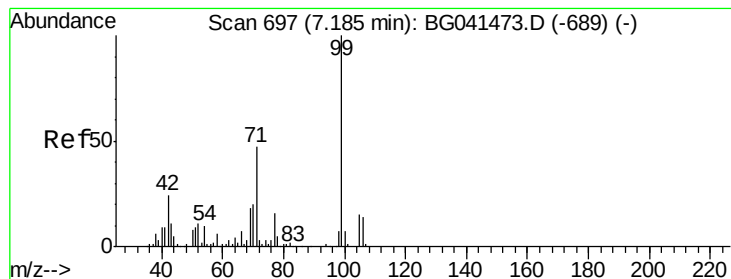
Acq: 3 Jul 2019 19:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 23474 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 50.9  | 37.4  | 56.0  |
| 65        | 24.4  | 18.6  | 27.8  |



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





#7

Phenol-d6

Concen: 110.250 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 219670 |       |       |
| 42      | 24.1 | 19.0  |        | 28.6  |       |
| 71      | 49.9 | 37.4  |        | 56.2  |       |

Instrument :

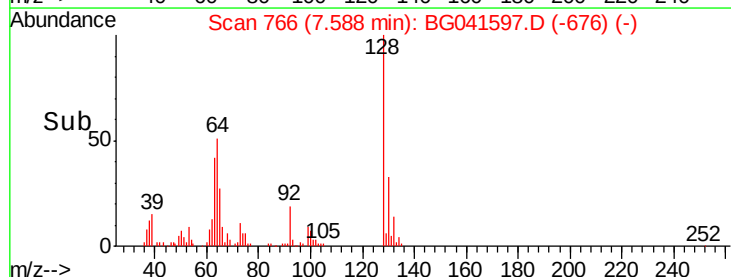
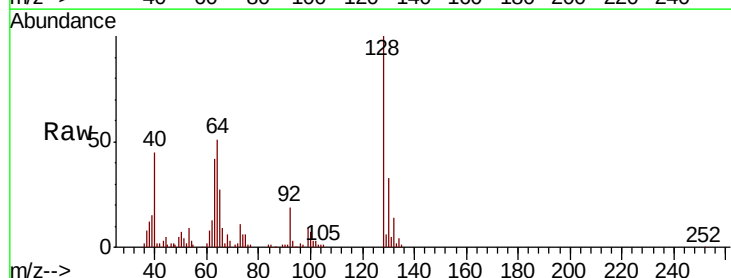
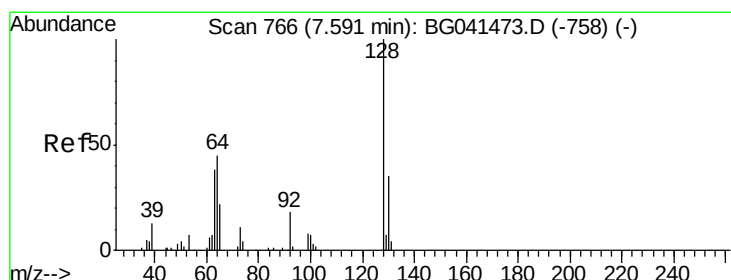
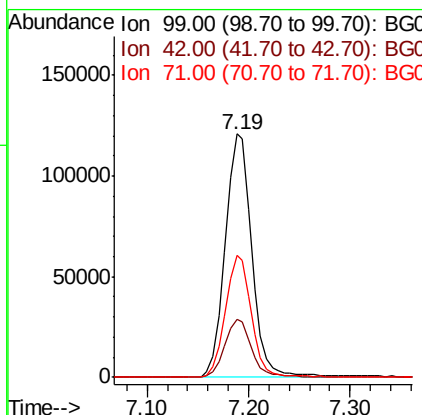
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ClientSampleId :

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#8

2-Chlorophenol

Concen: 40.905 ng

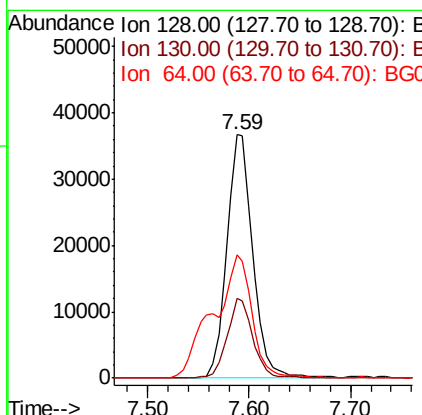
RT: 7.59 min Scan# 766

Delta R.T. -0.00 min

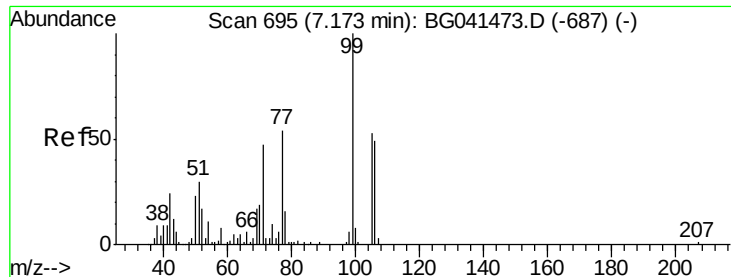
Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 128     | 100  |       | 64929 |       |       |
| 130     | 32.9 | 15.0  |       | 55.0  |       |
| 64      | 50.5 | 33.3  |       | 73.3  |       |







#9

Benzaldehyde

Concen: 34.379 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

ClientSampleId :

HD-01-070219MS

Tot Ion: 77 Resp: 41368

Ion Ratio Lower Upper

77 100

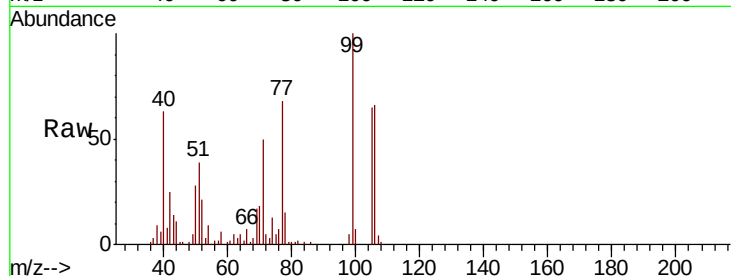
105 96.4 77.8 117.8

106 97.4 70.1 110.1

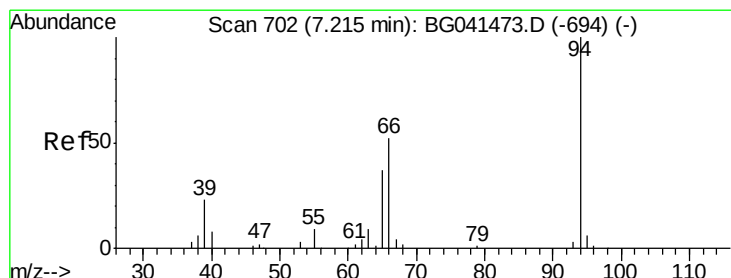
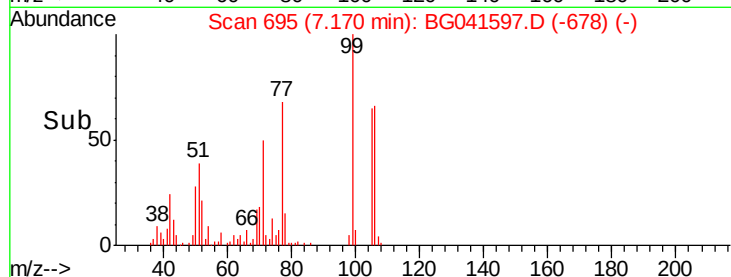
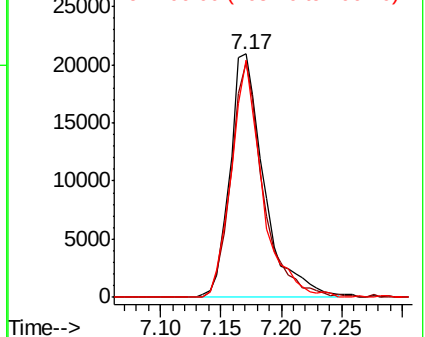
Manual Integrations  
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Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 34.388 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

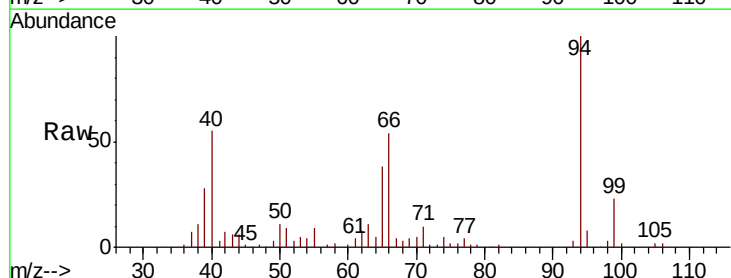
Tgt Ion: 94 Resp: 69055

Ion Ratio Lower Upper

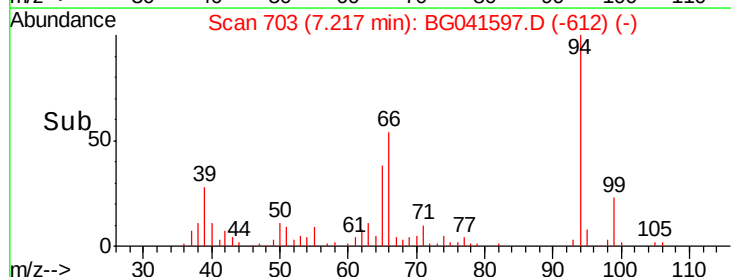
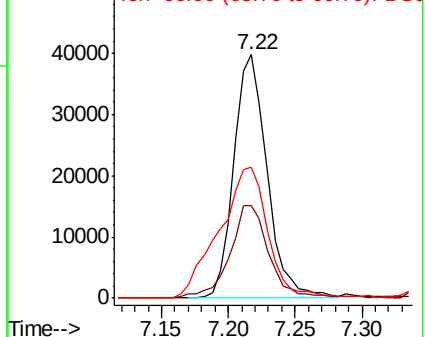
94 100

65 38.2 17.9 57.9

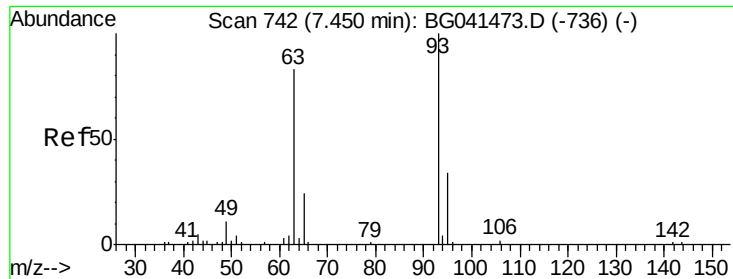
66 54.0 34.4 74.4



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC







#11

bis(2-Chloroethyl)ether

Concen: 35.727 ng

RT: 7.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

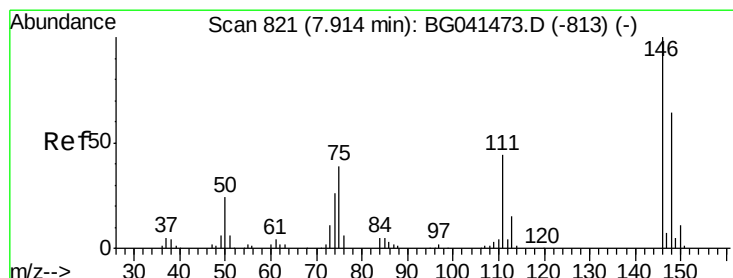
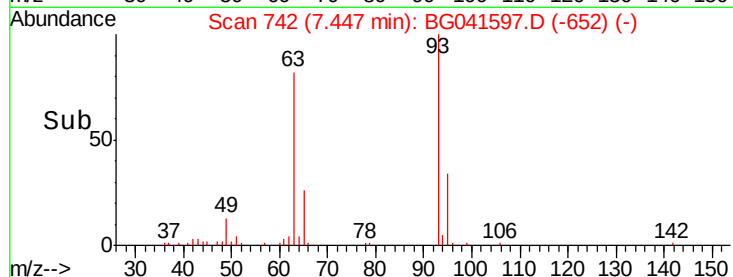
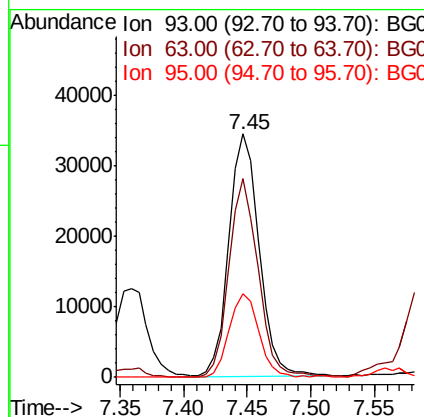
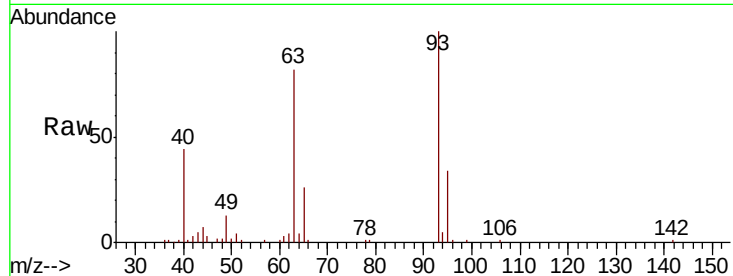
ClientSampleId :

HD-01-070219MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 56894 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 81.5  | 62.0  | 102.0 |
| 95       | 34.3  | 13.0  | 53.0  |

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#12

1,3-Dichlorobenzene

Concen: 36.318 ng

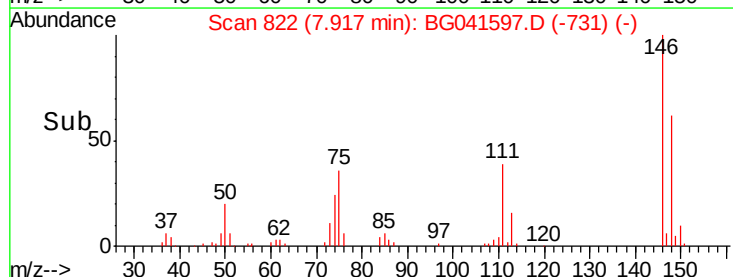
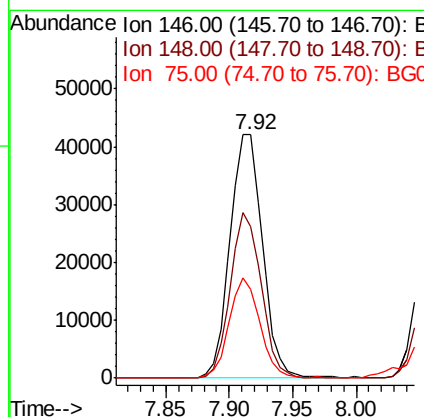
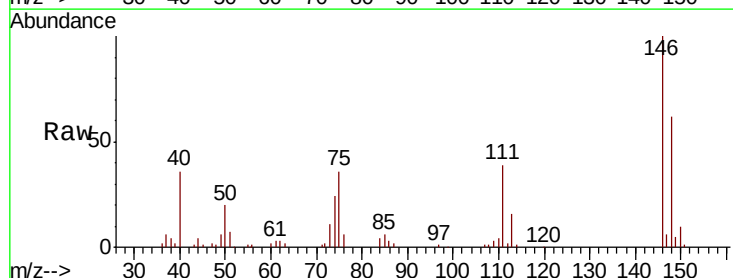
RT: 7.92 min Scan# 822

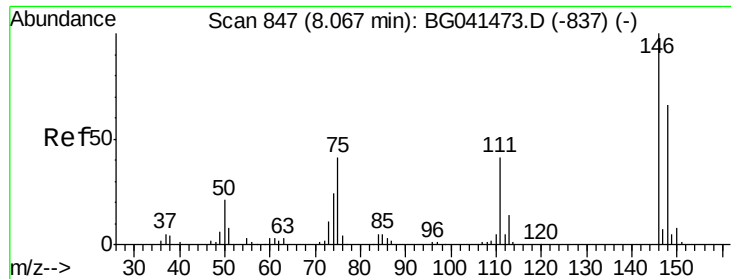
Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 74575 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 62.1  | 51.1  | 76.7  |
| 75       | 36.2  | 31.0  | 46.6  |





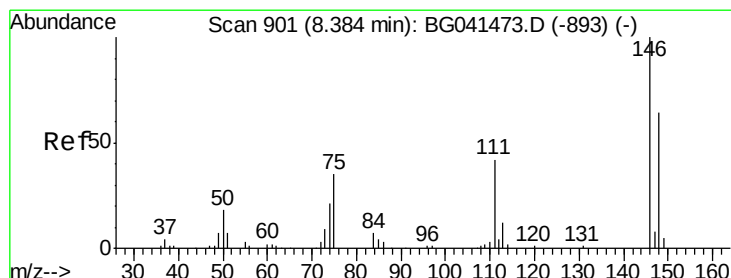
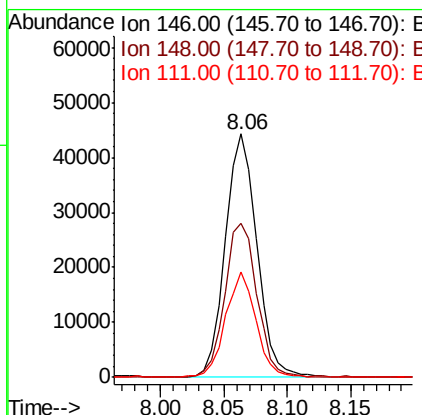
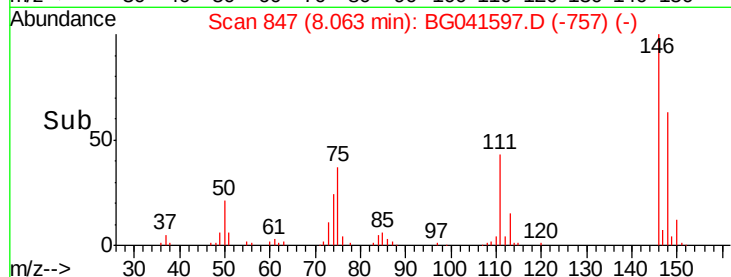
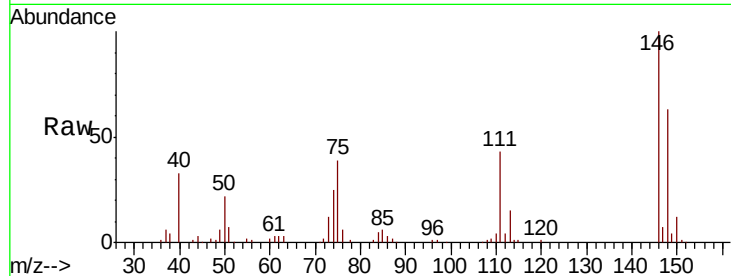
#13  
 1,4-Dichlorobenzene  
 Concen: 36.942 ng  
 RT: 8.06 min Scan# 847  
 Delta R.T. -0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.3  | 52.8  | 79.2  |
| 111     | 43.3  | 33.1  | 49.7  |

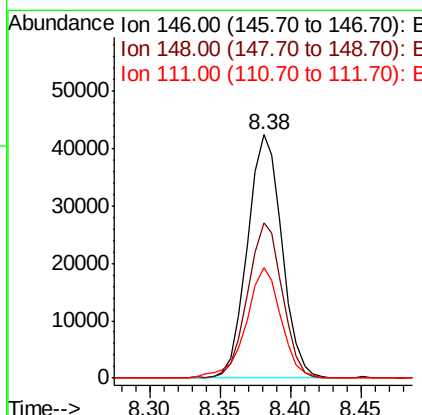
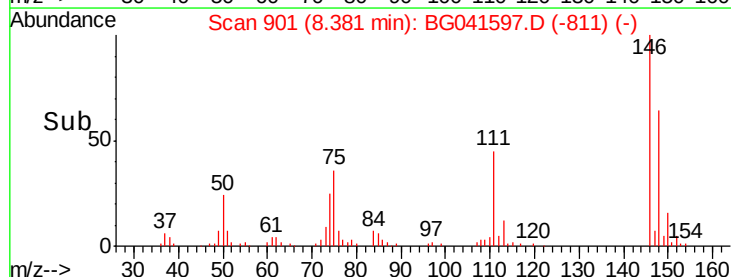
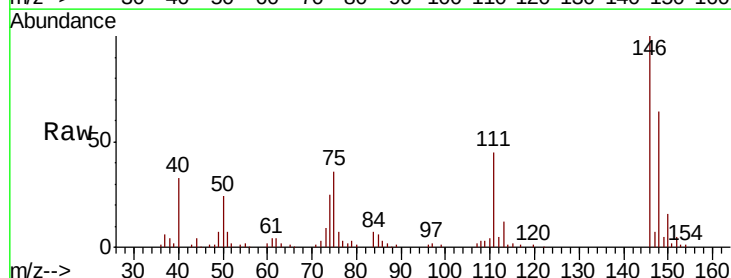
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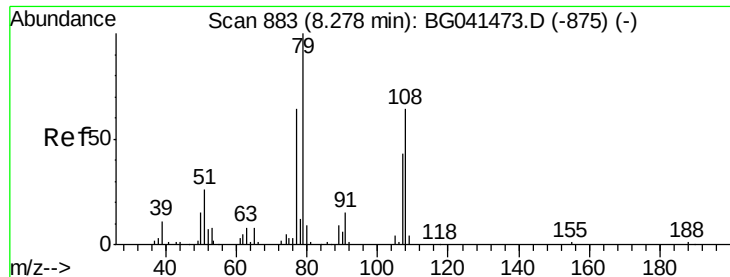
mohammad  
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#14  
 1,2-Dichlorobenzene  
 Concen: 36.774 ng  
 RT: 8.38 min Scan# 901  
 Delta R.T. -0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 51.3  | 76.9  |
| 111     | 45.4  | 34.3  | 51.5  |





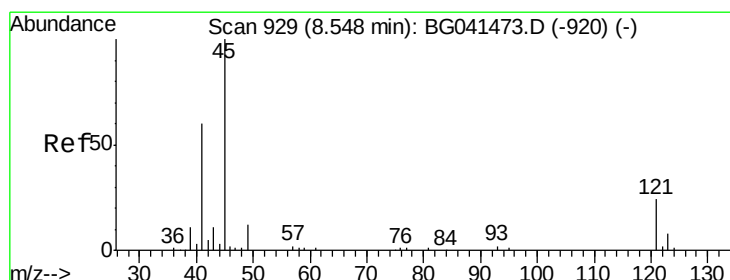
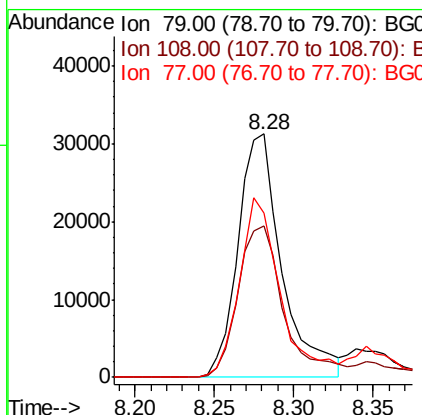
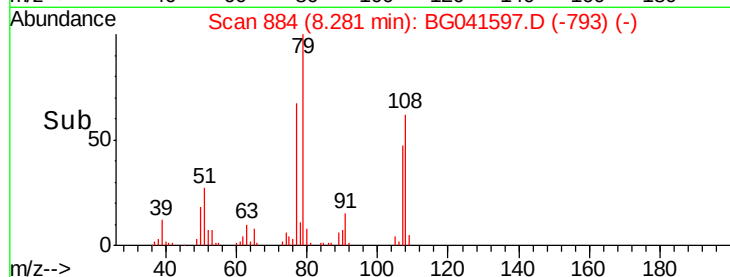
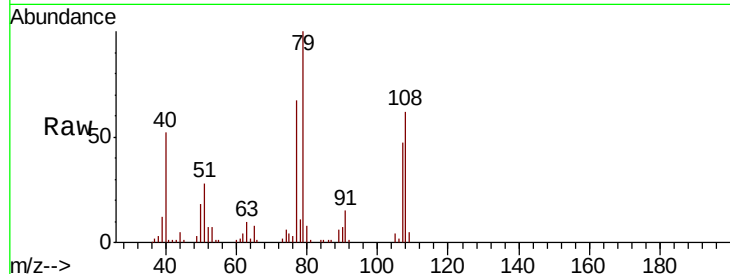
#15  
Benzyl Alcohol  
Concen: 37.884 ng  
RT: 8.28 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 62.2  | 51.4  | 77.0  |
| 77      | 67.4  | 50.8  | 76.2  |

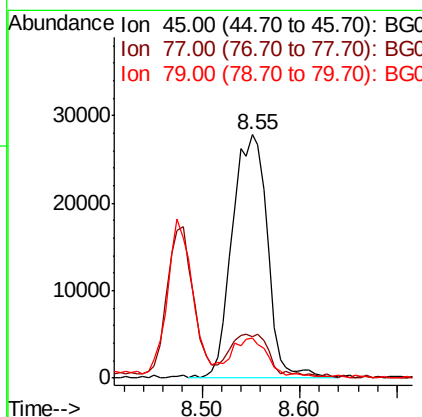
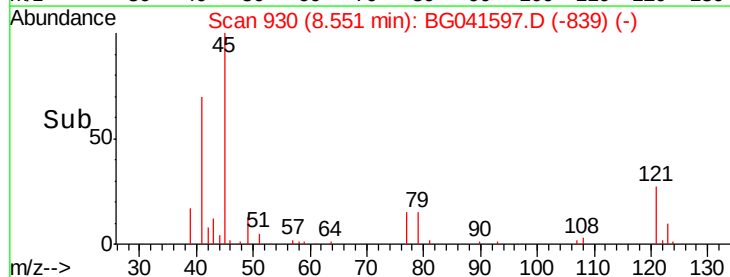
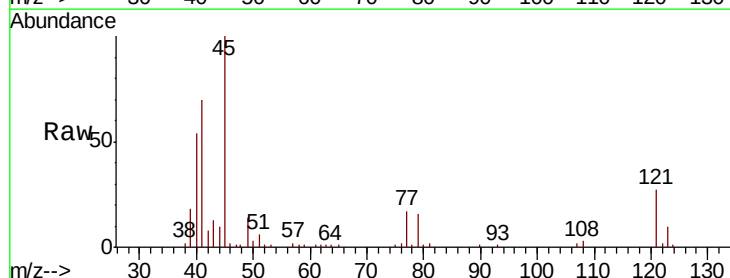
Manual Integrations  
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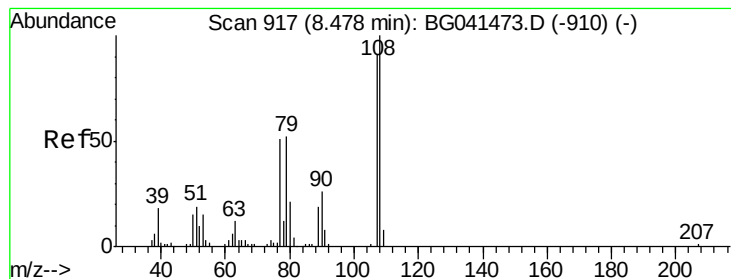
mohammad  
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 31.350 ng  
RT: 8.55 min Scan# 930  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 16.9  | 0.0   | 36.3  |
| 79      | 16.2  | 0.0   | 32.4  |





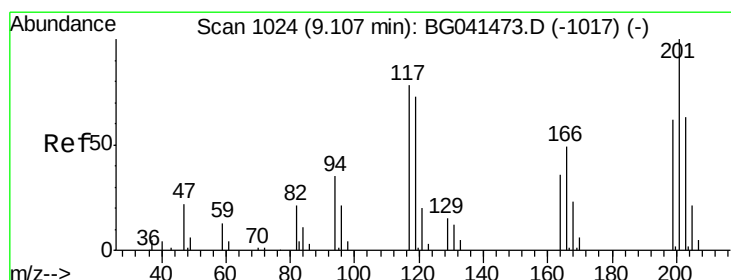
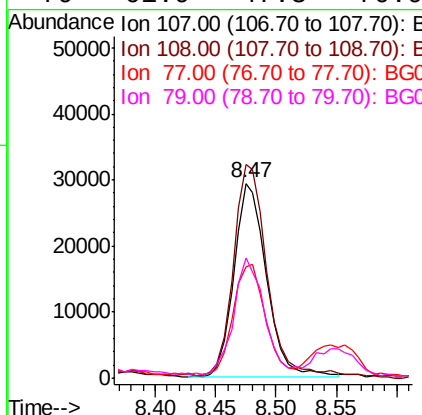
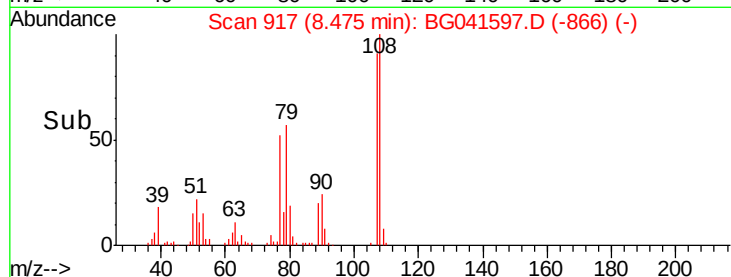
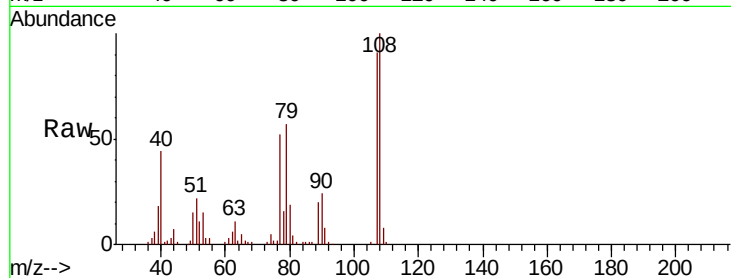
#17  
2-Methylphenol  
Concen: 37.792 ng  
RT: 8.47 min Scan# 917  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 109.5 | 88.0 | 132.0 |       |
| 77      | 57.3  | 45.3 | 67.9  |       |
| 79      | 61.9  | 47.3 | 70.9  |       |

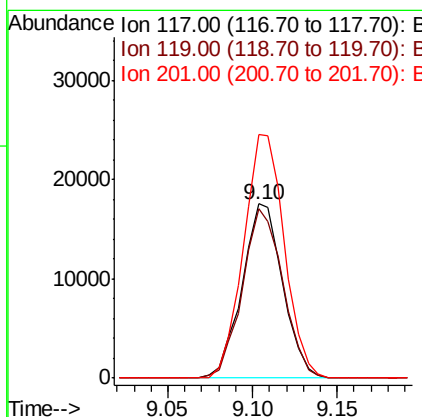
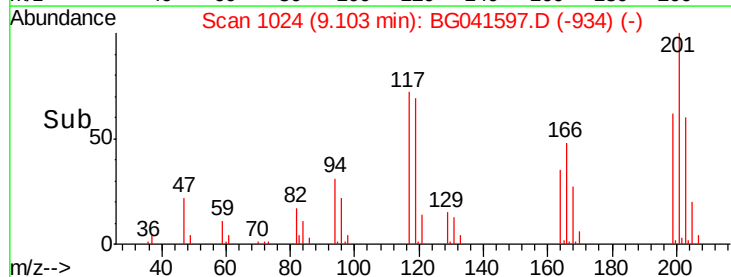
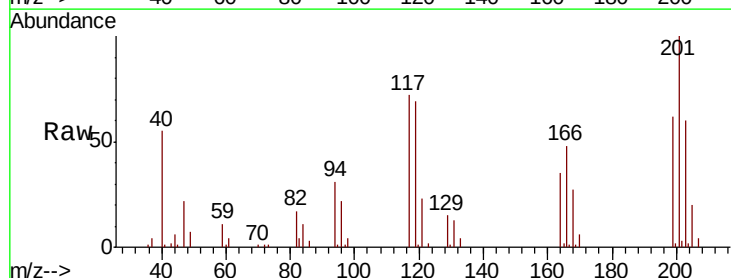
Manual Integrations  
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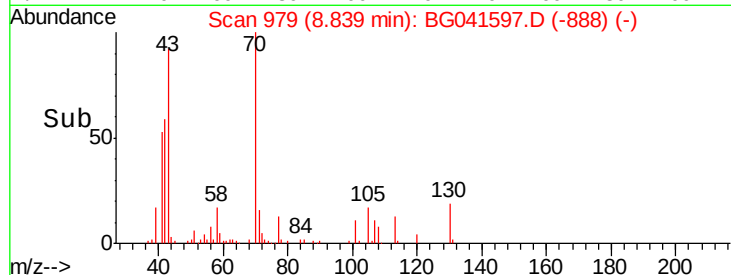
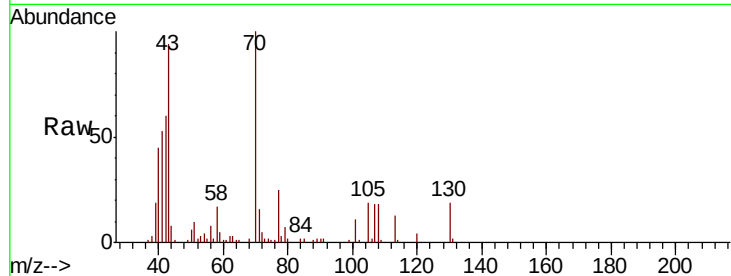
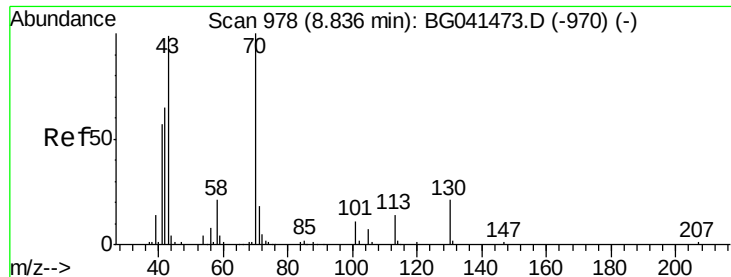
mohammad  
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#18  
Hexachloroethane  
Concen: 35.845 ng  
RT: 9.10 min Scan# 1024  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   |       |       |       |
| 119     | 96.9  | 74.3  | 111.5 |       |
| 201     | 139.6 | 102.3 | 153.5 |       |





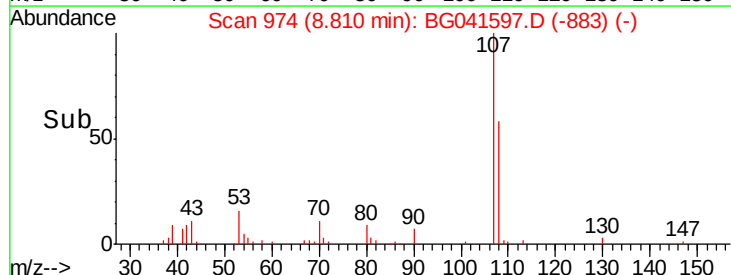
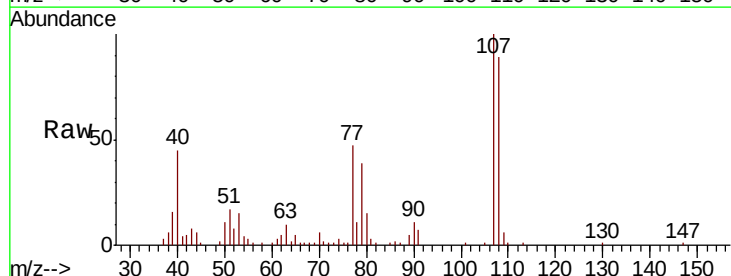
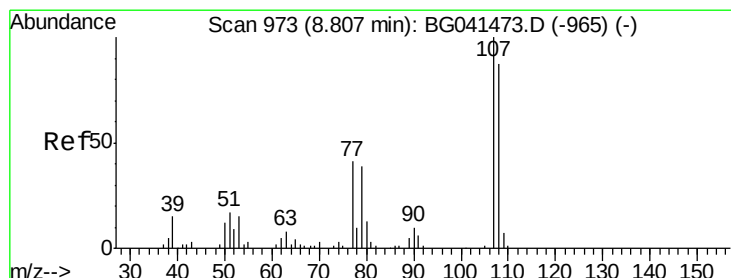
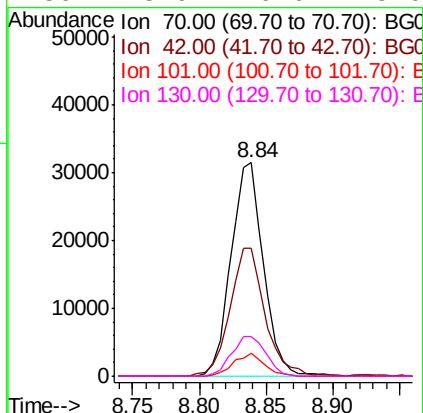
#19  
n-Nitroso-di-n-propylamine  
Concen: 35.745 ng  
RT: 8.84 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 60.0  | 52.6  | 78.8  |
| 101     | 10.9  | 8.6   | 13.0  |
| 130     | 18.9  | 16.6  | 25.0  |

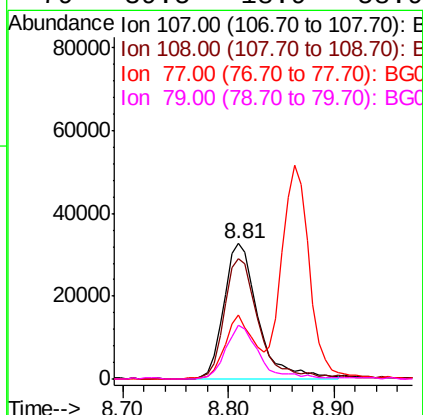
Manual Integrations  
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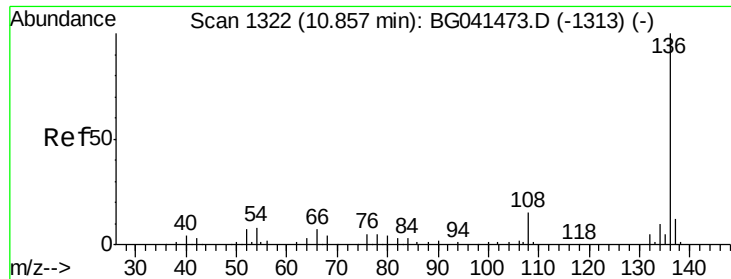
mohammad  
7/5/2019 8:43:02 AM



#20  
3+4-Methylphenols  
Concen: 37.662 ng  
RT: 8.81 min Scan# 974  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 89.1  | 67.0  | 107.0 |
| 77      | 47.4  | 20.6  | 60.6  |
| 79      | 39.5  | 18.9  | 58.9  |





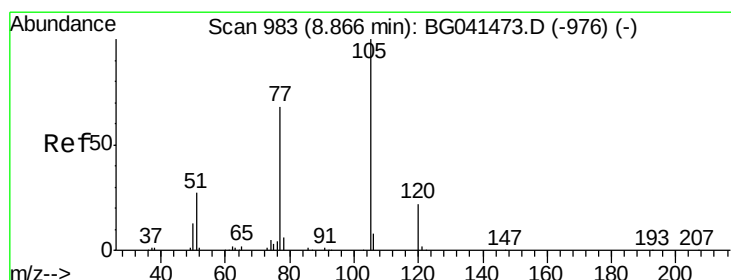
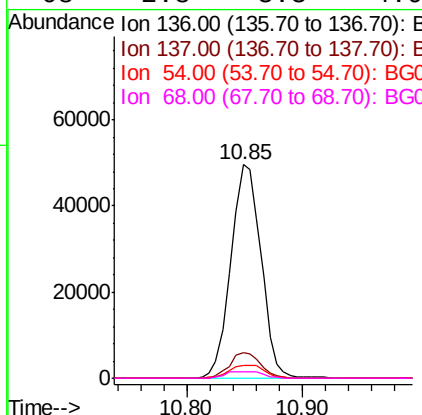
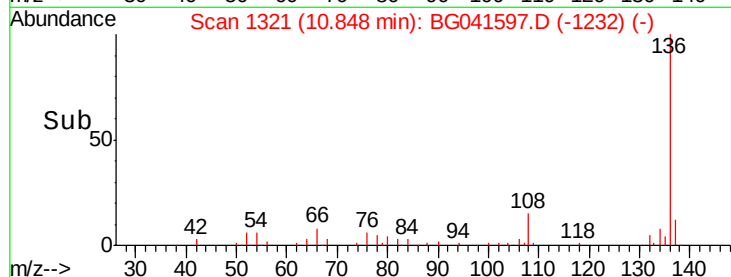
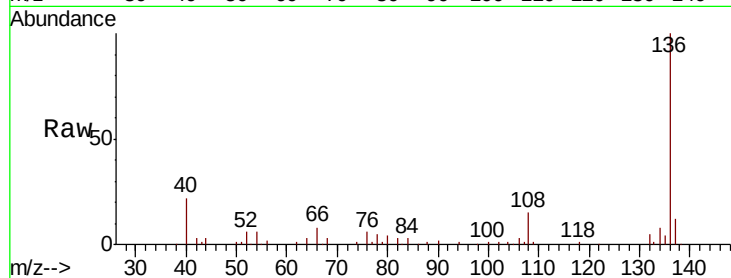
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.9  | 9.3   | 13.9  |
| 54      | 6.5   | 7.1   | 10.7  |
| 68      | 2.8   | 3.3   | 4.9   |

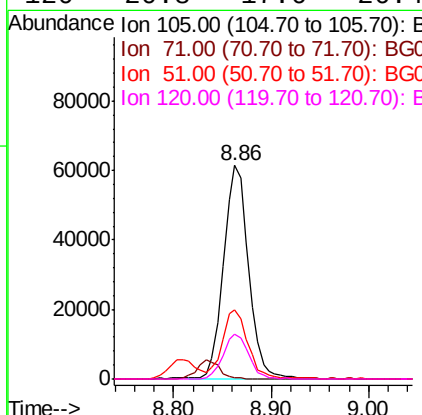
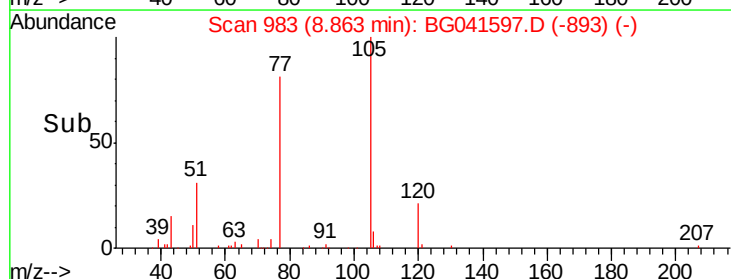
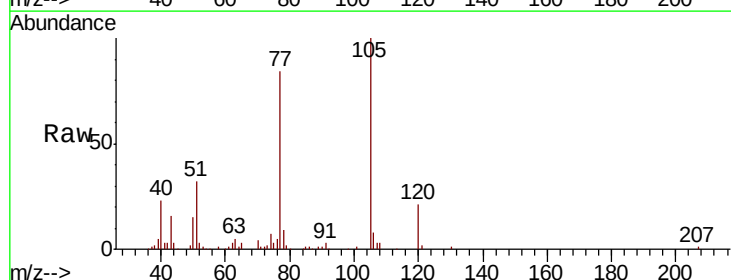
Manual Integrations  
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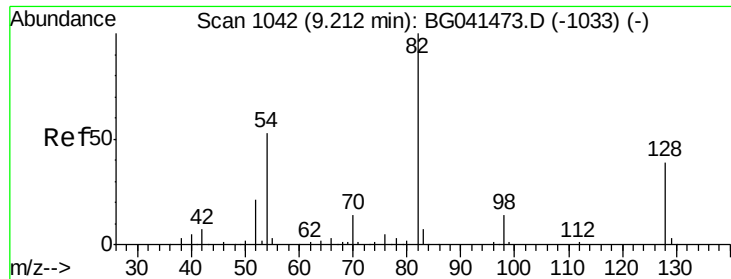
mohammad  
7/5/2019 8:43:02 AM



#22  
Acetophenone  
Concen: 40.720 ng  
RT: 8.86 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 0.6   | 0.5   | 0.7   |
| 51      | 32.3  | 25.0  | 37.6  |
| 120     | 20.8  | 17.6  | 26.4  |





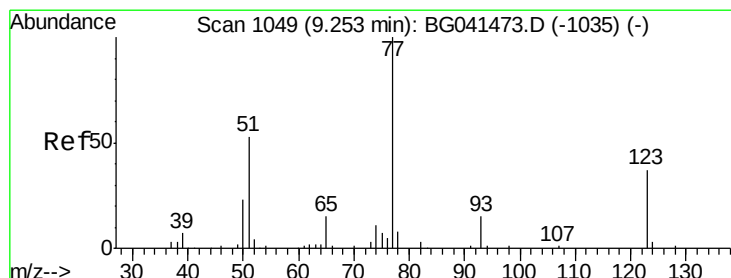
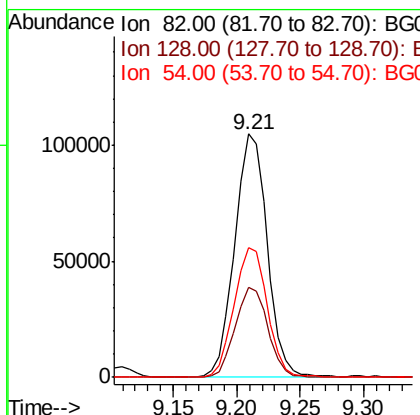
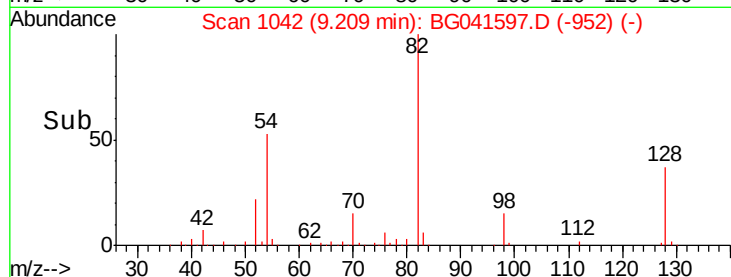
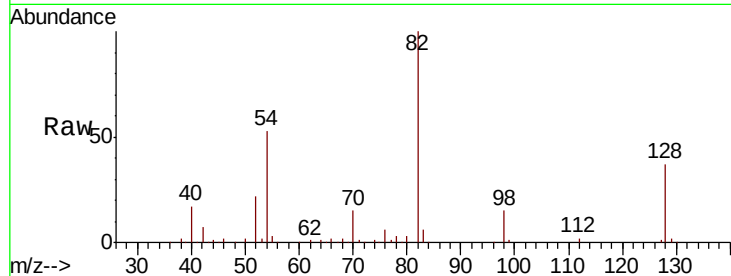
#23  
 Nitrobenzene-d5  
 Concen: 86.600 ng  
 RT: 9.21 min Scan# 1042  
 Delta R.T. -0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-070219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 186382 |       |       |
| 128     | 37.0  | 30.9   | 46.3  |       |
| 54      | 53.2  | 42.2   | 63.2  |       |

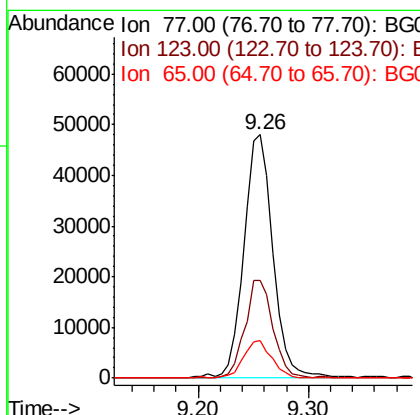
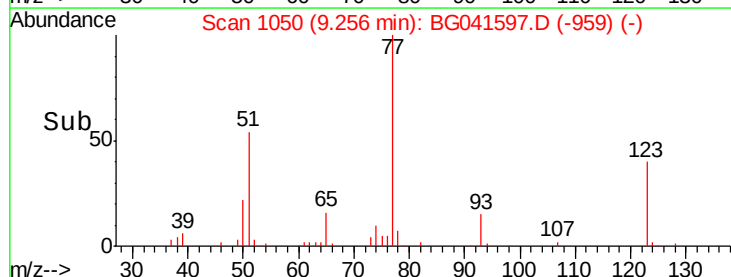
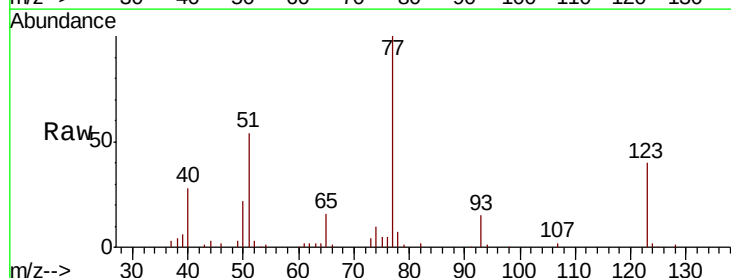
Manual Integrations  
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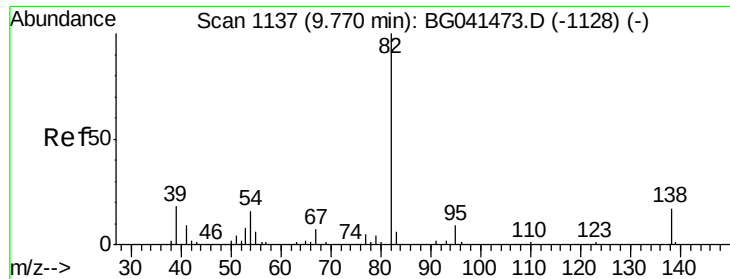


#24  
 Nitrobenzene  
 Concen: 41.144 ng  
 RT: 9.26 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   | 88884 |       |       |
| 123     | 40.1  | 29.9  | 44.9  |       |
| 65      | 15.6  | 12.2  | 18.4  |       |







#25

Isophorone

Concen: 38.485 ng

RT: 9.77 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

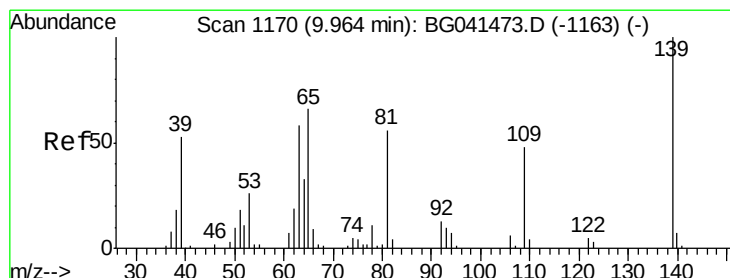
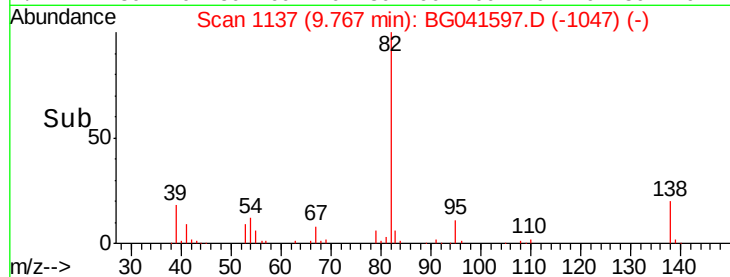
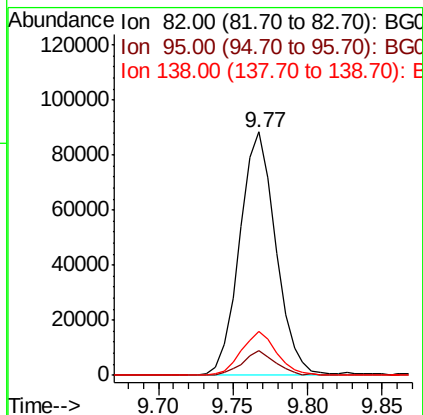
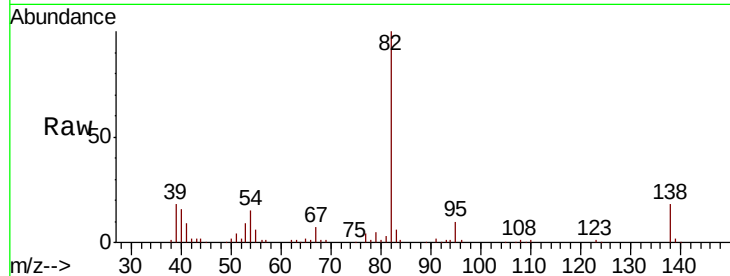
ClientSampleId :

HD-01-070219MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 148709 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 10.0  | 6.8   | 10.2   |
| 138       | 18.3  | 13.7  | 20.5   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 38.626 ng

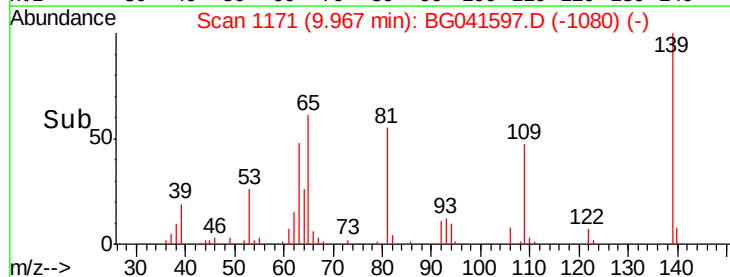
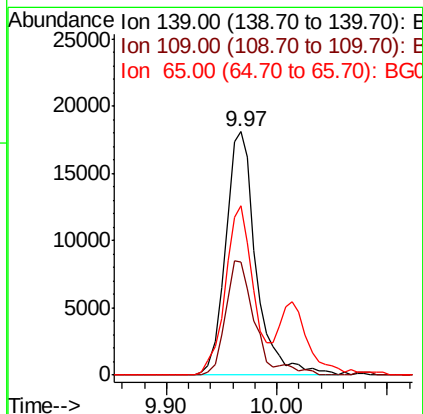
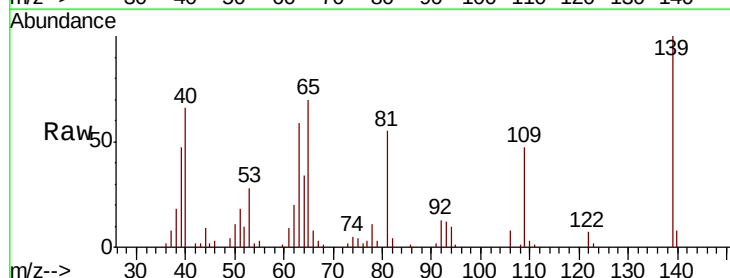
RT: 9.97 min Scan# 1171

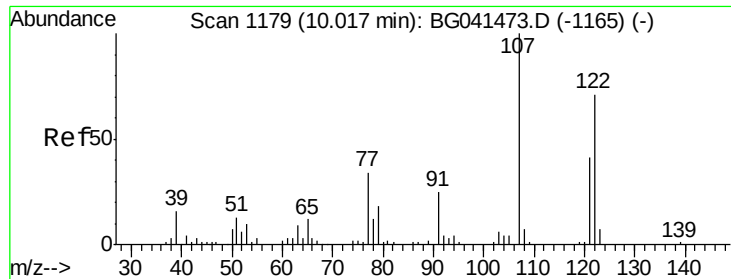
Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 34848 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 46.6  | 38.6  | 57.8  |
| 65        | 69.5  | 52.6  | 78.8  |





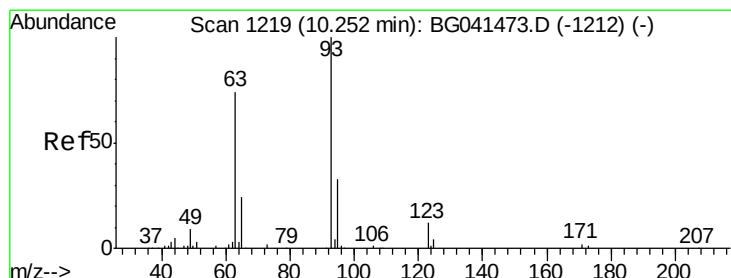
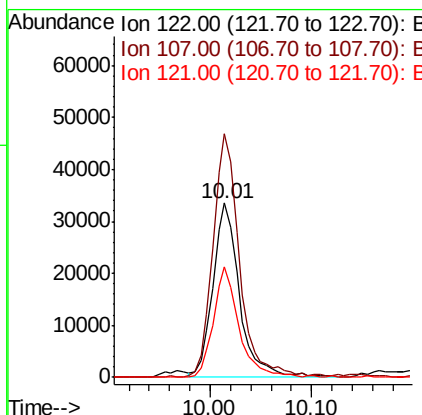
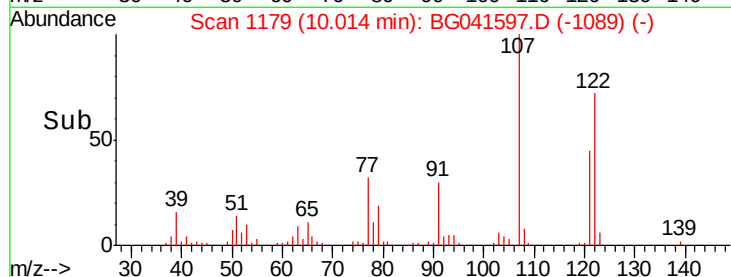
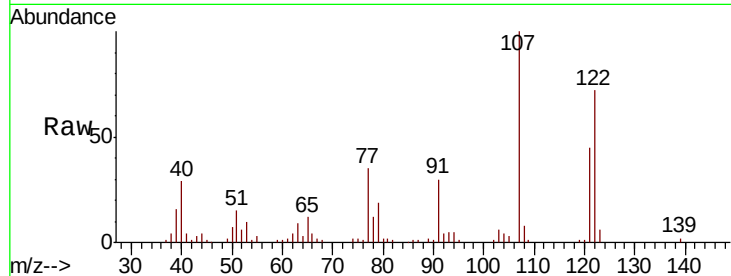
#27  
2,4-Dimethylphenol  
Concen: 48.690 ng  
RT: 10.01 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |       |
| 107     | 139.8 |       | 112.9 | 169.3 |       |
| 121     | 63.5  |       | 46.1  | 69.1  |       |

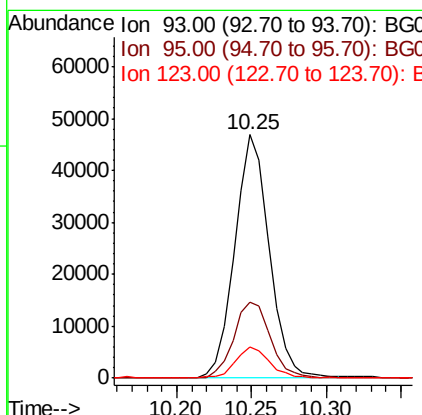
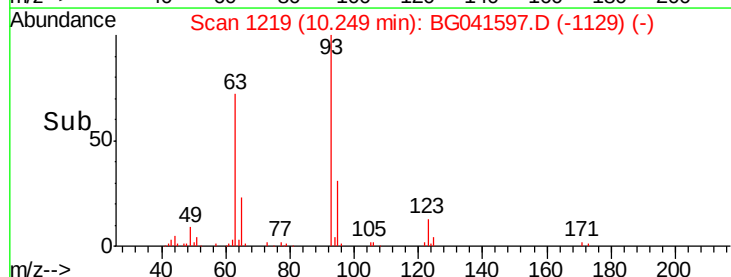
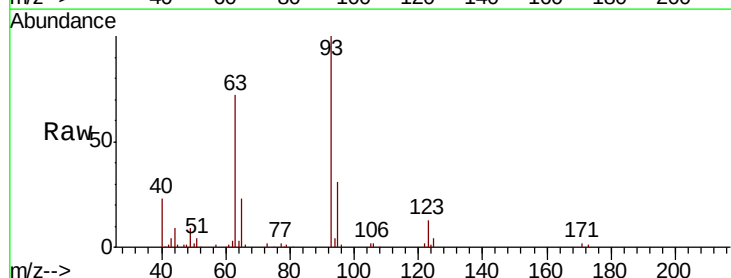
Manual Integrations  
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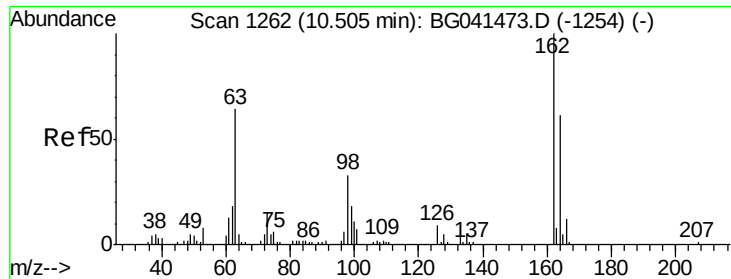
mohammad  
7/5/2019 8:43:02 AM



#28  
bis(2-Chloroethoxy)methane  
Concen: 36.791 ng  
RT: 10.25 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 93      | 100  |       |      |       |       |
| 95      | 31.0 |       | 26.2 | 39.2  |       |
| 123     | 12.5 |       | 9.6  | 14.4  |       |





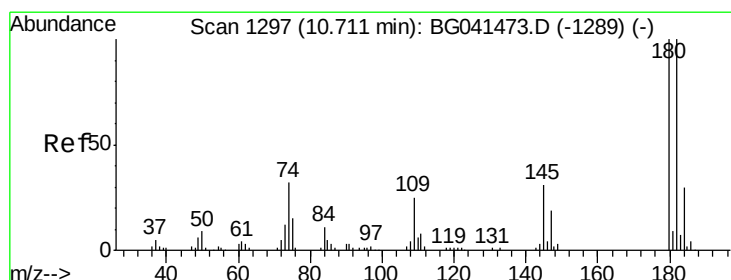
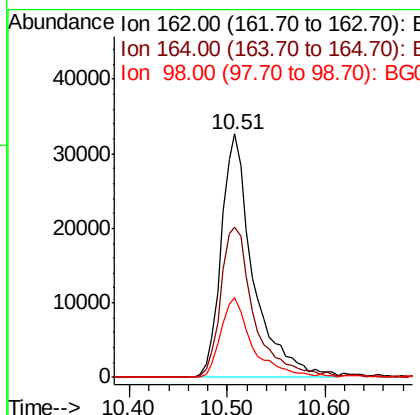
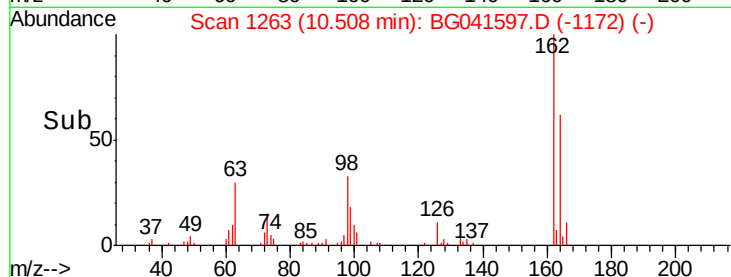
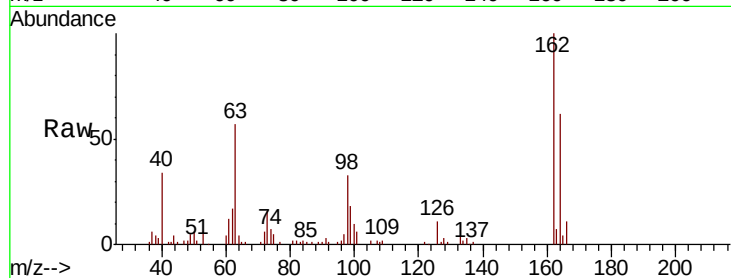
#29  
2,4-Dichlorophenol  
Concen: 43.764 ng  
RT: 10.51 min Scan# 1263  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.8  | 41.3  | 81.3  |
| 98      | 32.7  | 13.2  | 53.2  |

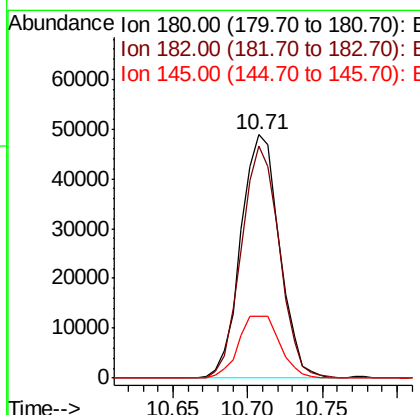
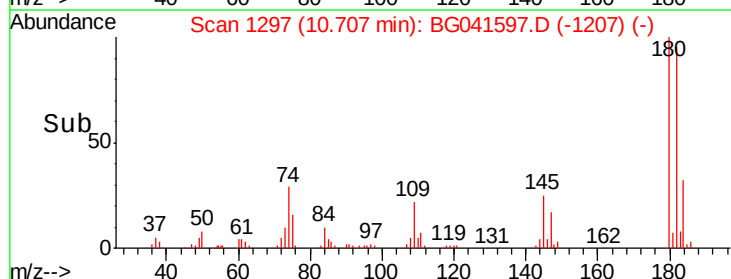
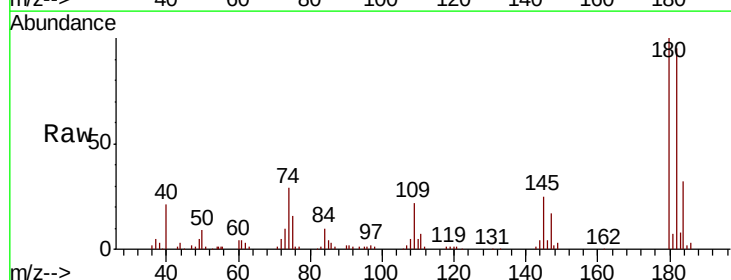
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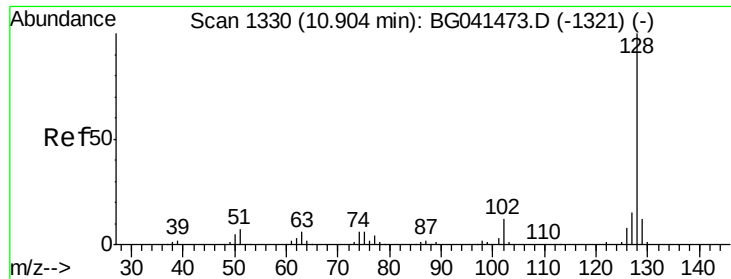
mohammad  
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#30  
1,2,4-Trichlorobenzene  
Concen: 40.310 ng  
RT: 10.71 min Scan# 1297  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 79.9  | 119.9 |
| 145     | 25.3  | 24.7  | 37.1  |





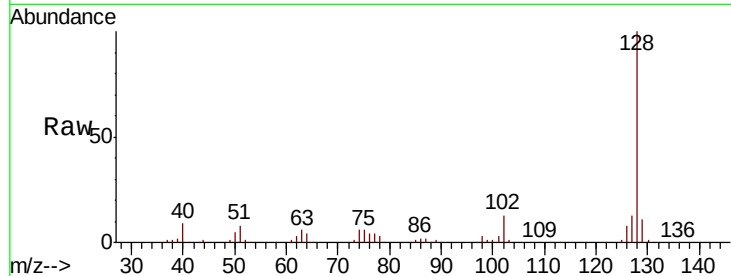
#31  
Naphthalene  
Concen: 41.826 ng  
RT: 10.90 min Scan# 1330  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 9.7   | 14.5  |
| 127     | 13.3  | 11.6  | 17.4  |

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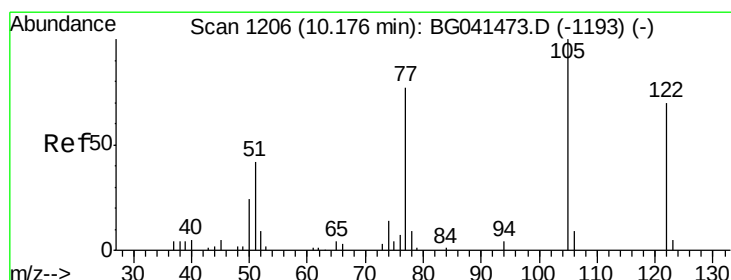
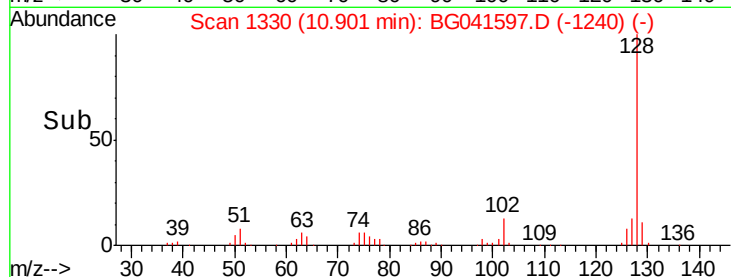
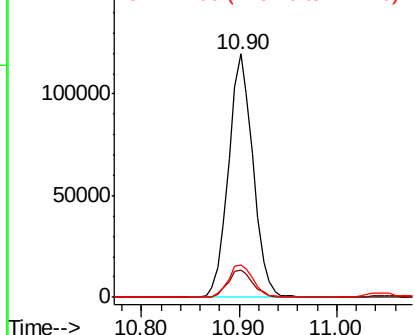


Abundance

Ion 128.00 (127.70 to 128.70): E

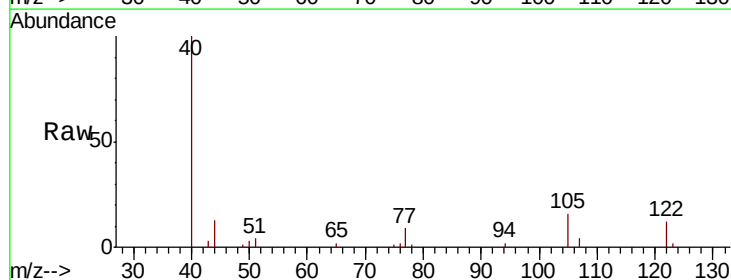
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 20.059 ng m  
RT: 10.17 min Scan# 1205  
Delta R.T. -0.01 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 139.3 | 117.8 | 157.8  |
| 77      | 77.1  | 88.9  | 128.9# |

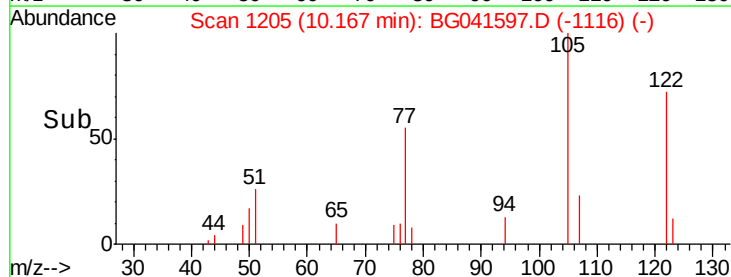
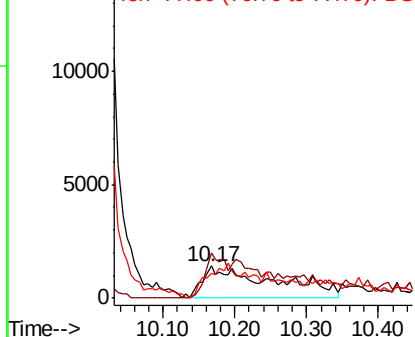


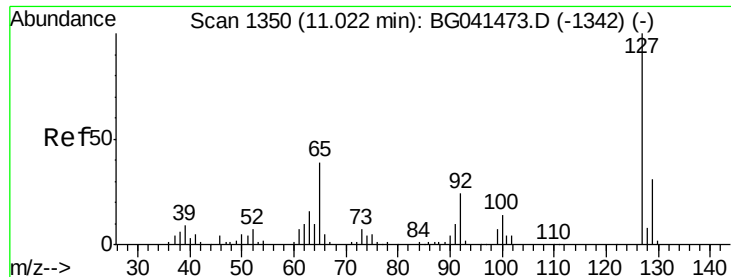
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO





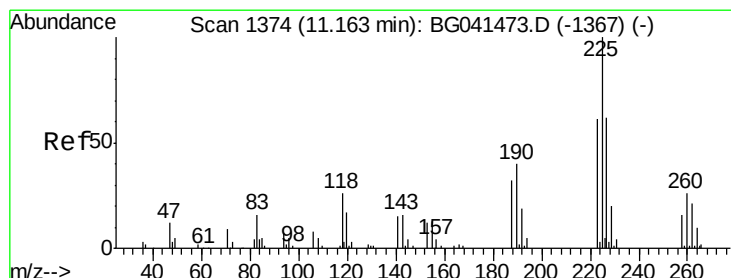
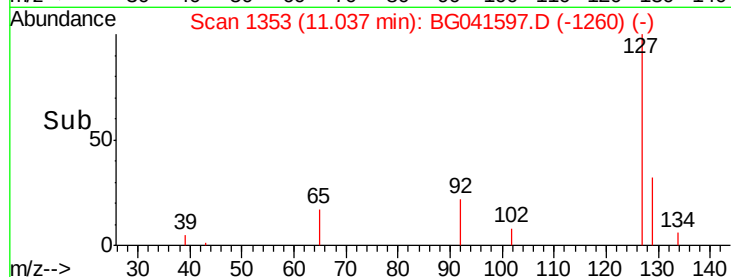
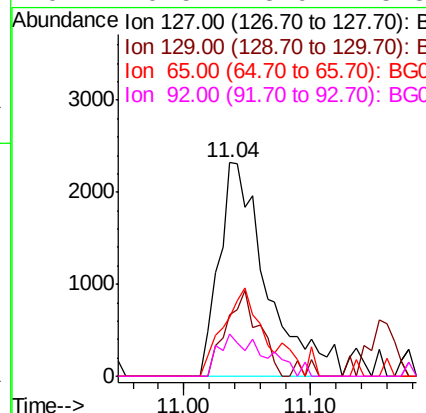
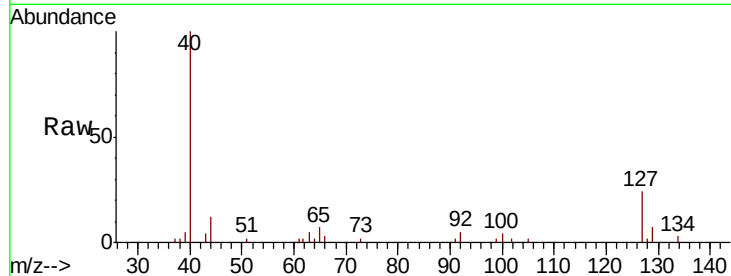
#33  
4-Chloroaniline  
Concen: 2.892 ng  
RT: 11.04 min Scan# 1353  
Delta R.T. 0.01 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 28.9  | 24.6  | 37.0  |
| 65      | 27.5  | 31.5  | 47.3  |
| 92      | 19.5  | 18.9  | 28.3  |

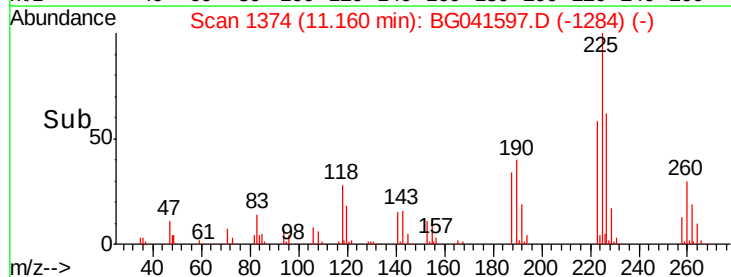
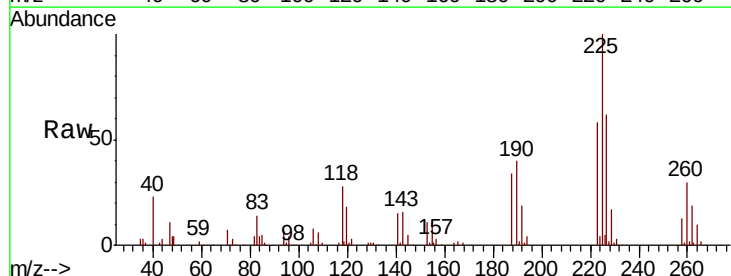
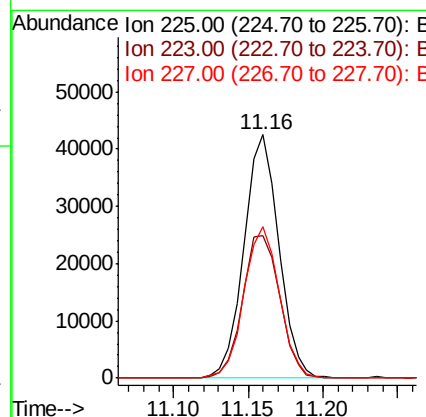
Manual Integrations  
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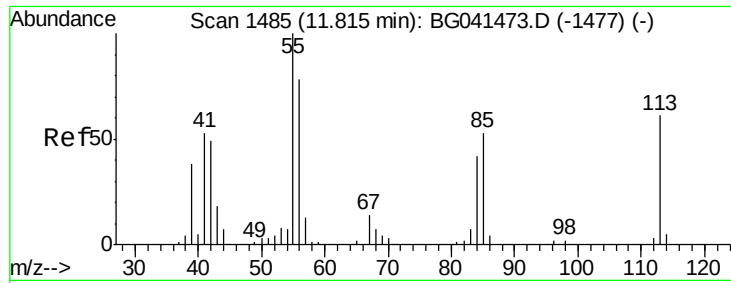
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 39.906 ng  
RT: 11.16 min Scan# 1374  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.0  | 48.6  | 72.8  |
| 227     | 62.0  | 49.3  | 73.9  |





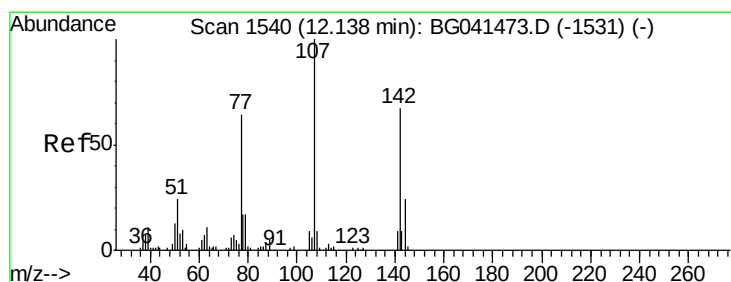
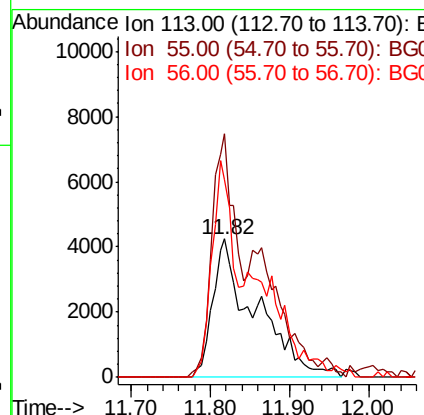
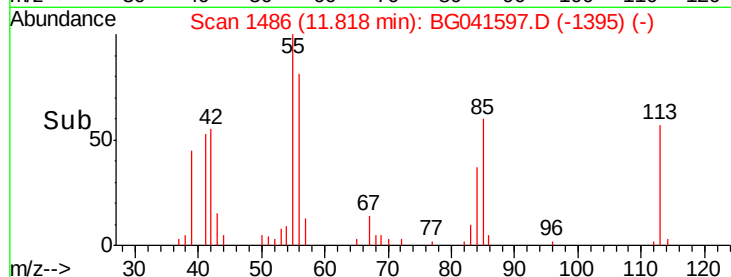
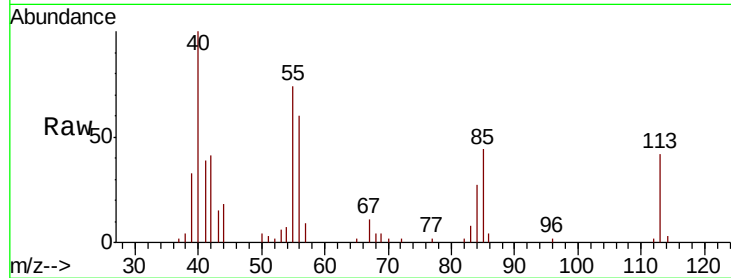
#35  
 Caprolactam  
 Concen: 30.319 ng/ml  
 RT: 11.82 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 176.2 | 145.1 | 185.1 |
| 56      | 143.3 | 109.4 | 149.4 |

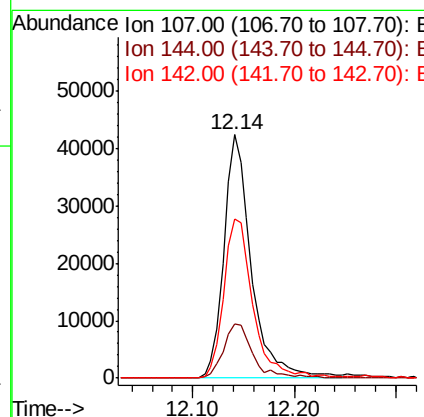
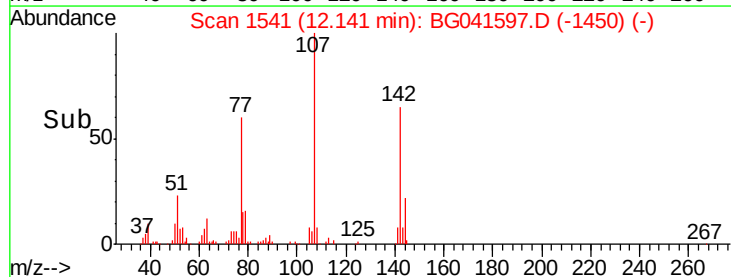
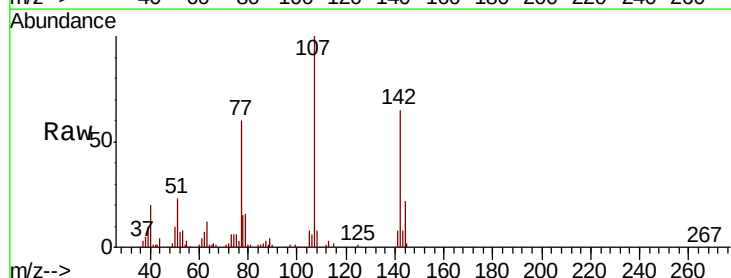
Manual Integrations  
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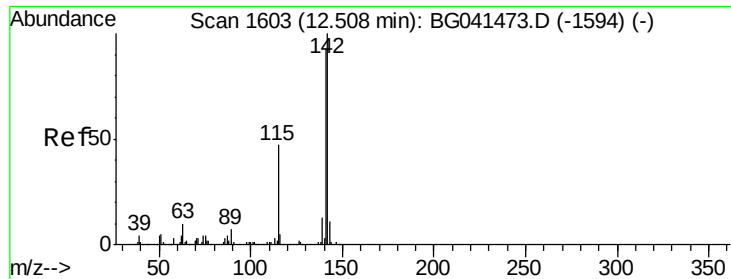
mohammad  
 7/5/2019 8:43:02 AM



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.372 ng/ml  
 RT: 12.14 min Scan# 1541  
 Delta R.T. 0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 22.4  | 19.4  | 29.0  |
| 142     | 65.2  | 53.8  | 80.6  |





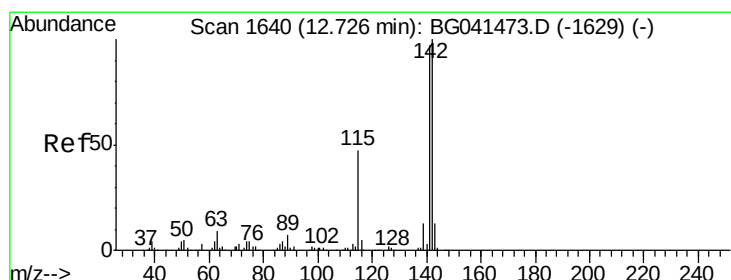
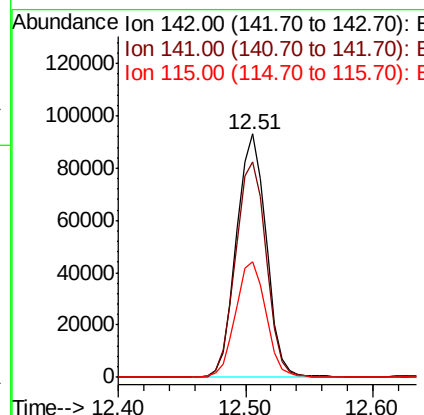
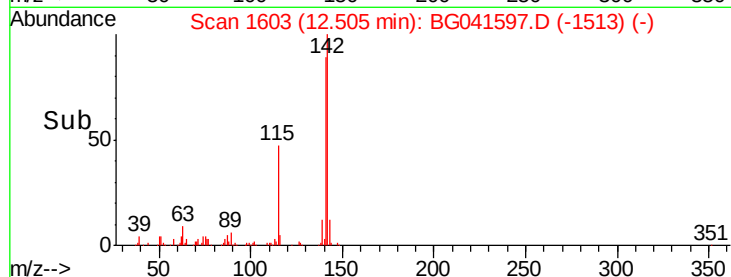
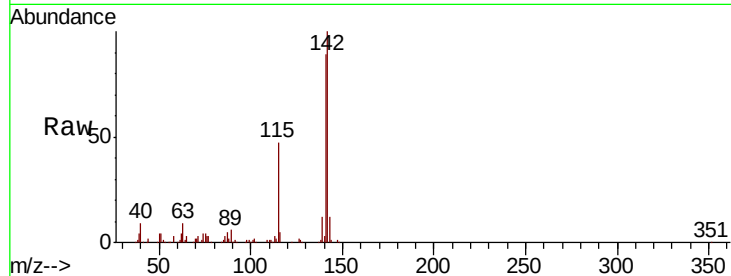
#37  
2-Methylnaphthalene  
Concen: 41.340 ng  
RT: 12.51 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.7  | 74.8  | 112.2 |
| 115     | 47.2  | 38.0  | 57.0  |

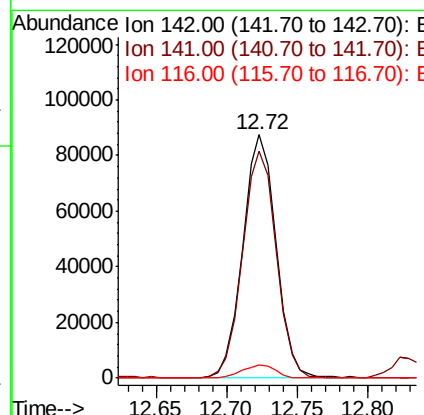
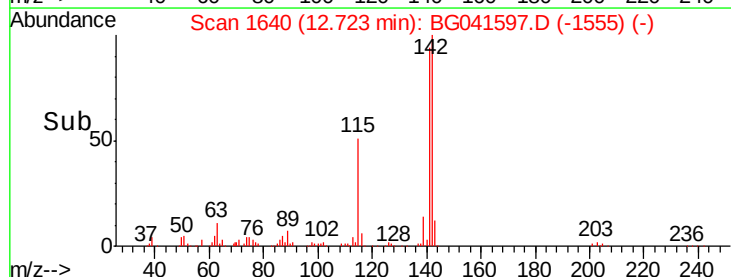
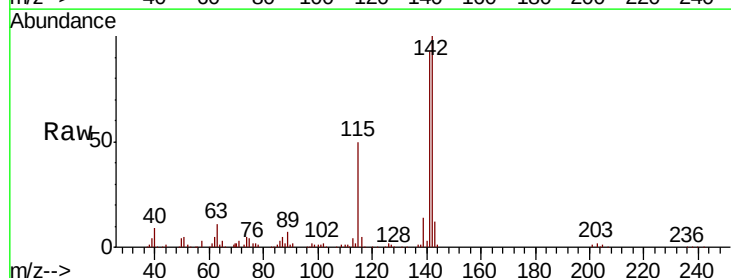
Manual Integrations  
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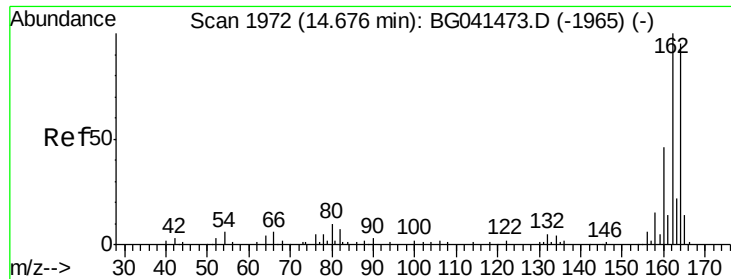
mohammad  
7/5/2019 8:43:02 AM



#38  
1-Methylnaphthalene  
Concen: 41.161 ng  
RT: 12.72 min Scan# 1640  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.0  | 77.4  | 116.2 |
| 116     | 5.5   | 3.8   | 5.8   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

ClientSampleId :

HD-01-070219MS

Tot Ion:164 Resp: 67270

Ion Ratio Lower Upper

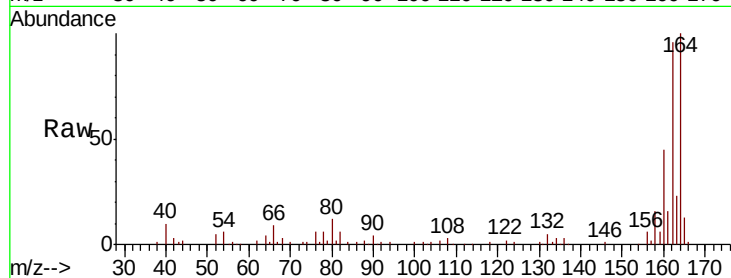
164 100

162 95.9 84.4 126.6

160 45.3 38.8 58.2

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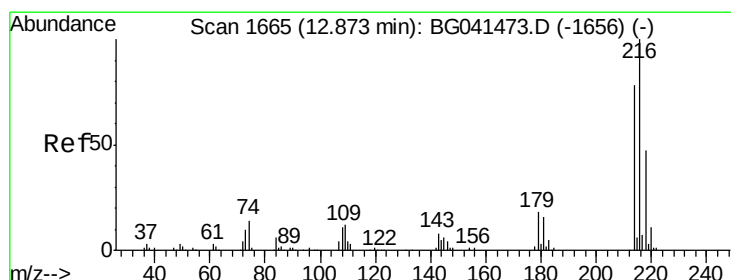
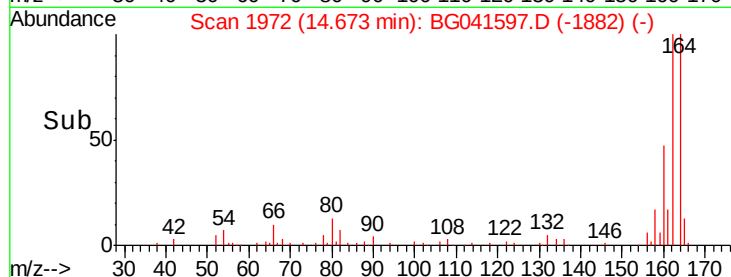
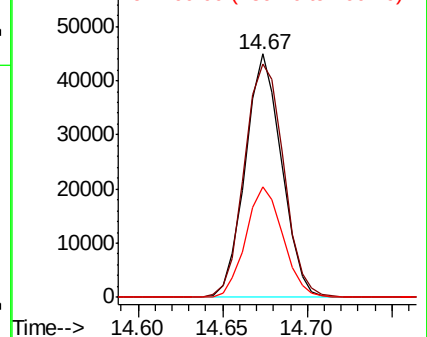


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.714 ng

RT: 12.86 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Tgt Ion:216 Resp: 120599

Ion Ratio Lower Upper

216 100

214 80.1 63.4 95.2

179 18.2 15.1 22.7

108 13.0 11.7 17.5

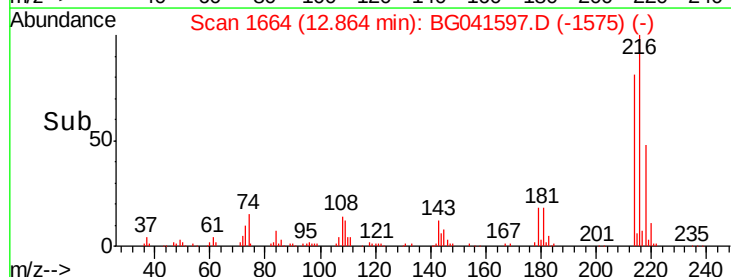
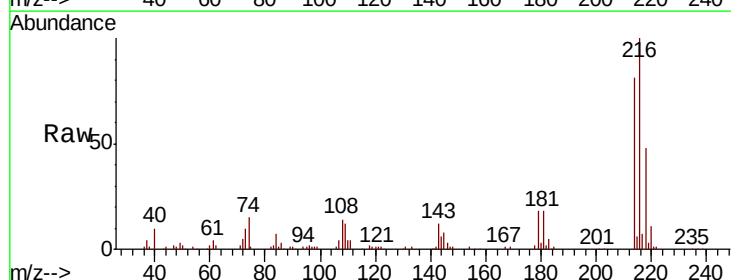
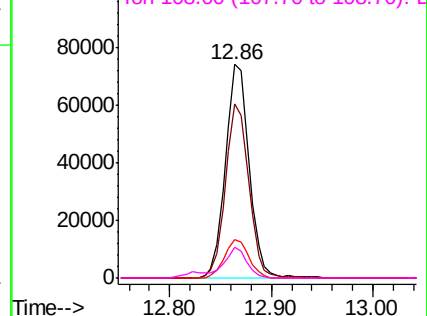
Abundance

Ion 216.00 (215.70 to 216.70): E

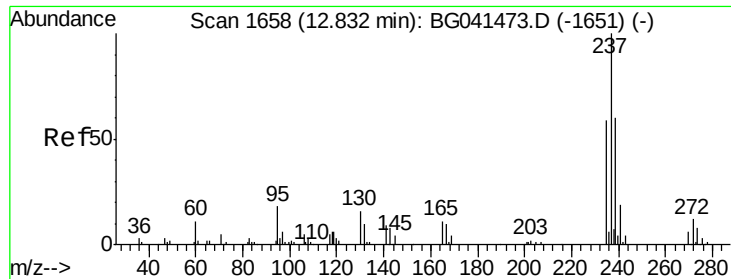
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 74.680 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

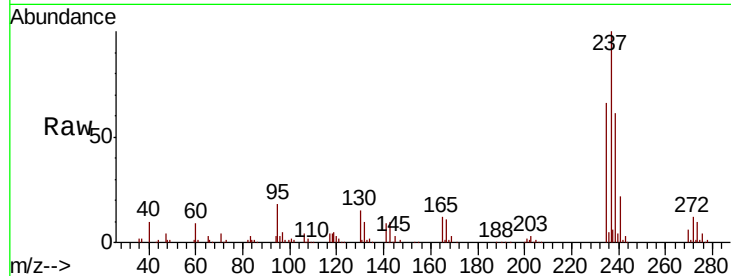
ClientSampleId :

HD-01-070219MS

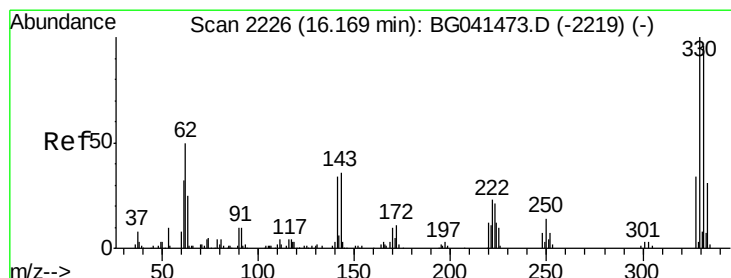
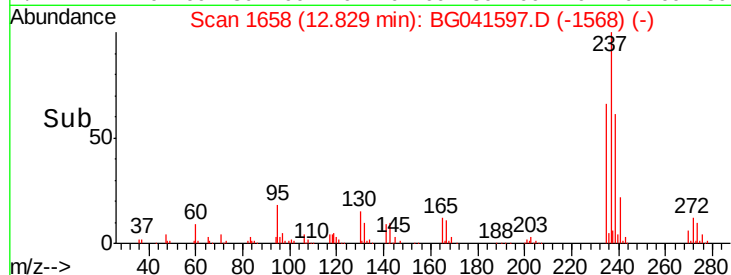
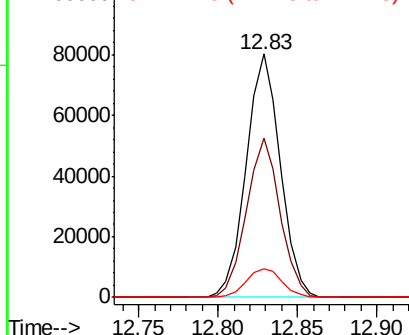
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 119613 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 65.6  | 39.1  | 79.1   |
| 272       | 11.7  | 0.0   | 31.5   |

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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: 142.513 ng

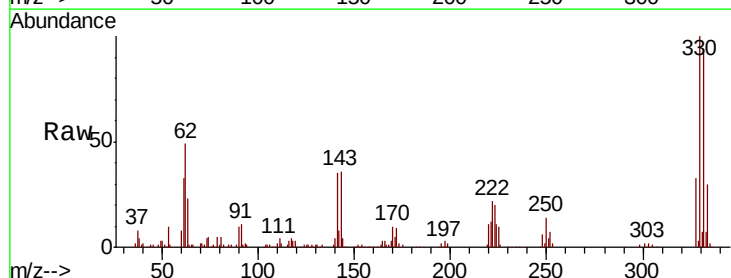
RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

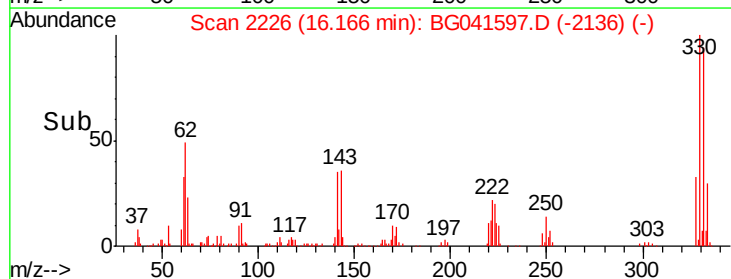
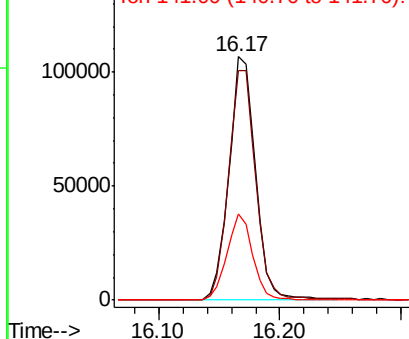
Lab File: BG041597.D

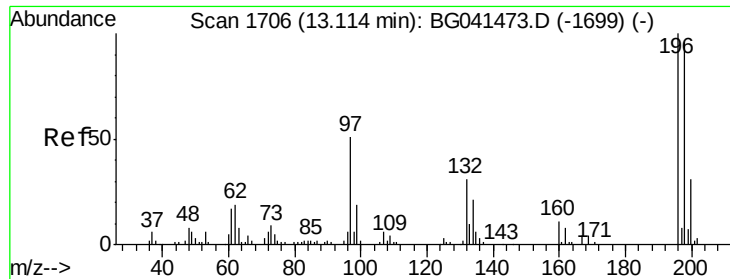
Acq: 3 Jul 2019 19:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 163689 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.4  | 75.5  | 113.3  |
| 141       | 34.4  | 27.8  | 41.6   |



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





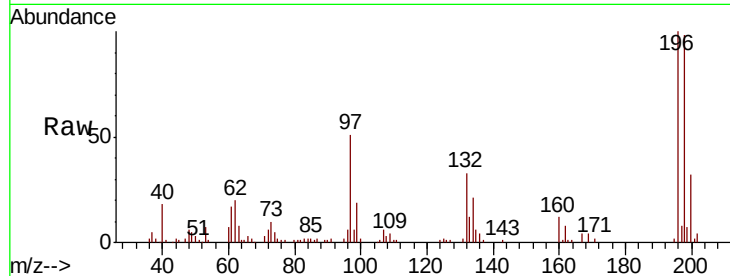
#43  
 2,4,6-Trichlorophenol  
 Concen: 41.065 ng  
 RT: 13.12 min Scan# 1707  
 Delta R.T. 0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-070219MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 72169 |       |       |
| 198     | 97.8  | 76.7  | 115.1 |       |
| 200     | 31.9  | 24.4  | 36.6  |       |

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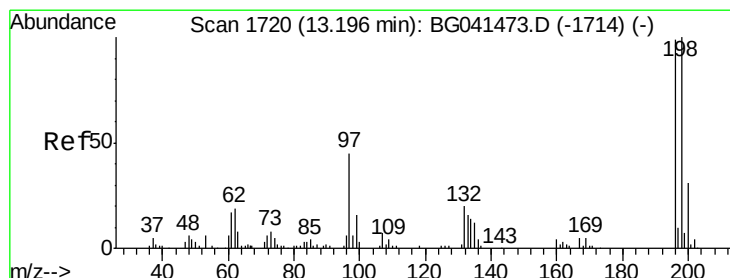
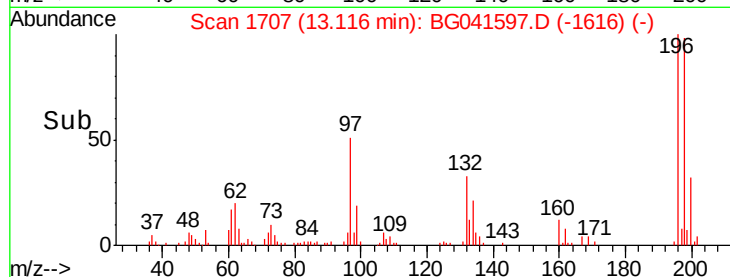
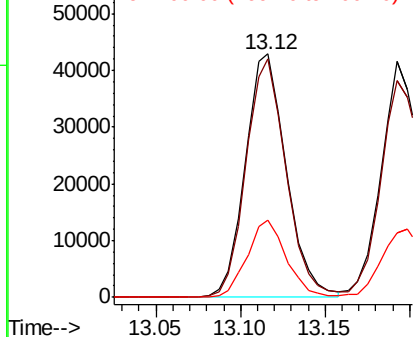


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 44.445 ng m  
 RT: 13.19 min Scan# 1720  
 Delta R.T. -0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 77817 |       |       |
| 198     | 91.7  | 80.5  | 120.7 |       |
| 97      | 46.1  | 36.5  | 54.7  |       |
| 132     | 20.1  | 16.7  | 25.1  |       |

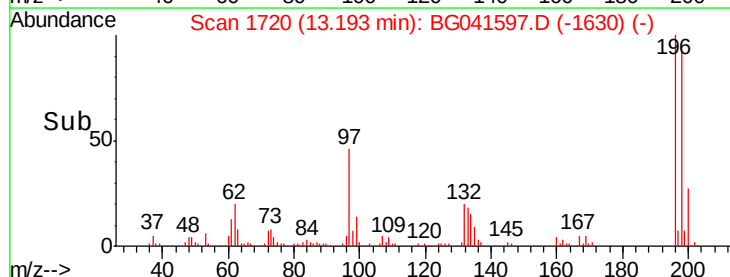
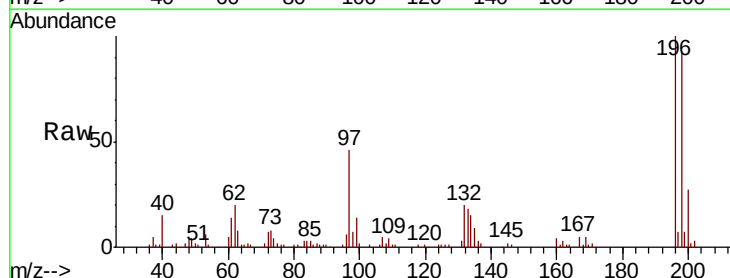
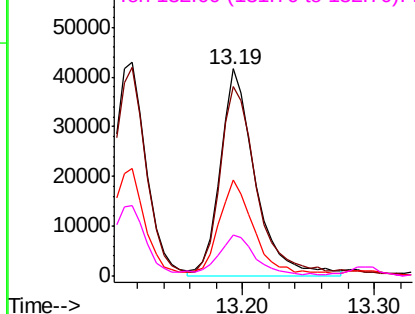
Abundance

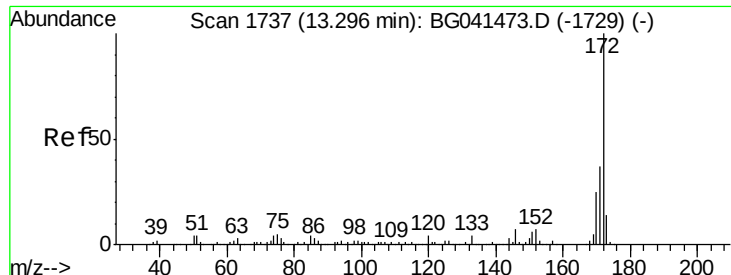
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





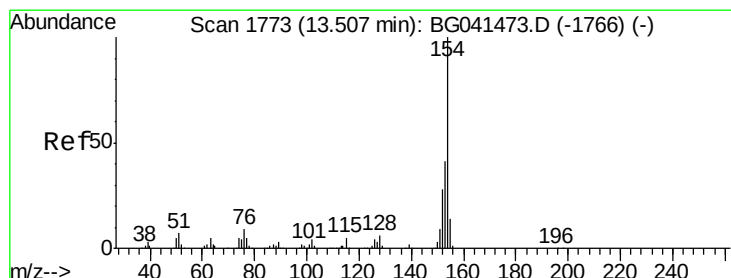
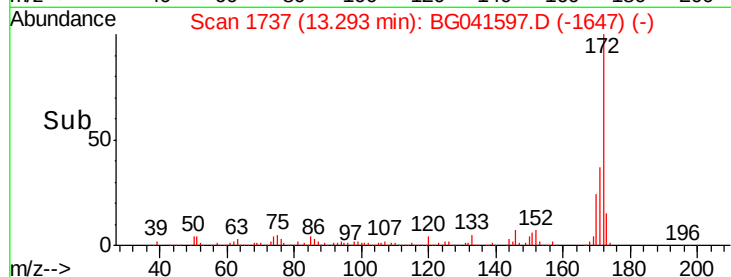
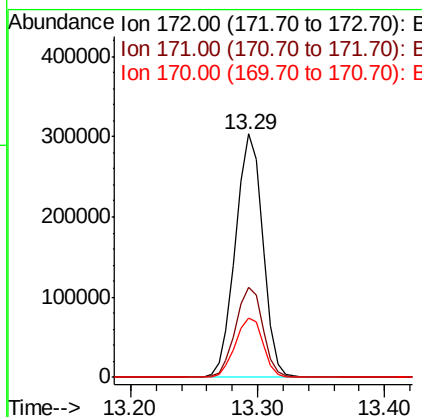
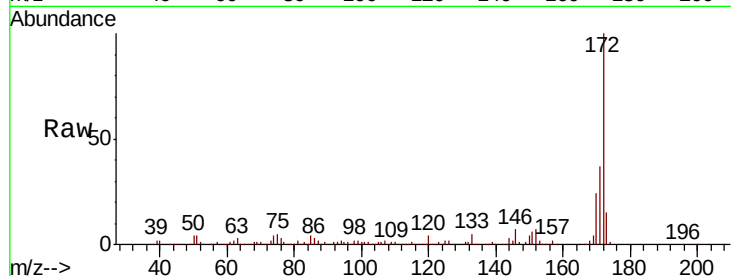
#45  
2-Fluorobiphenyl  
Concen: 86.400 ng  
RT: 13.29 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.6  | 44.4  |
| 170     | 24.3  | 20.0  | 30.0  |

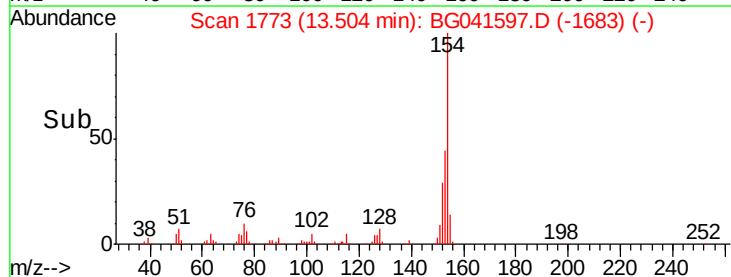
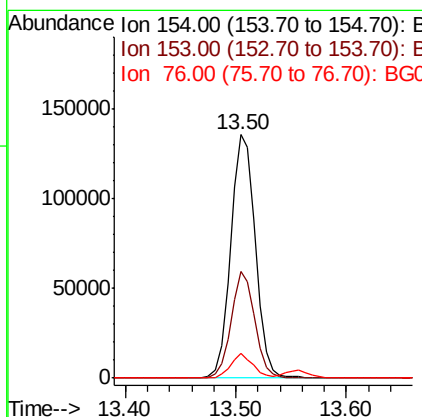
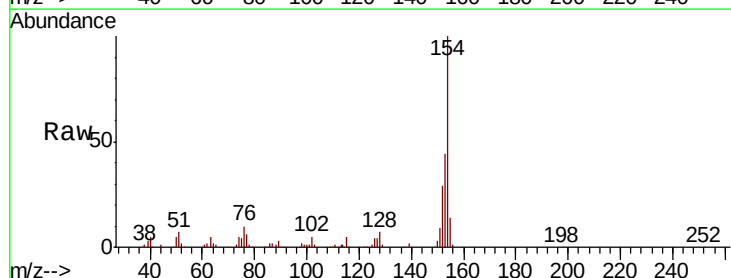
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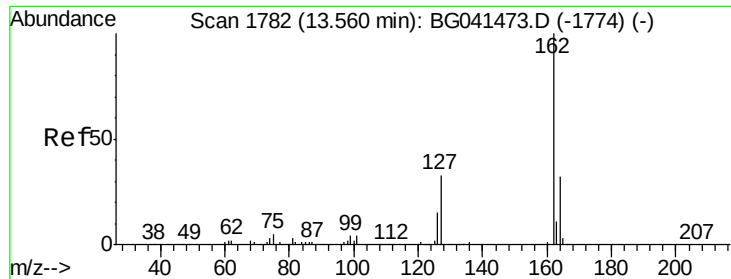
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#46  
1,1'-Biphenyl  
Concen: 39.982 ng  
RT: 13.50 min Scan# 1773  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.6  | 20.9  | 60.9  |
| 76      | 10.2  | 0.0   | 29.4  |





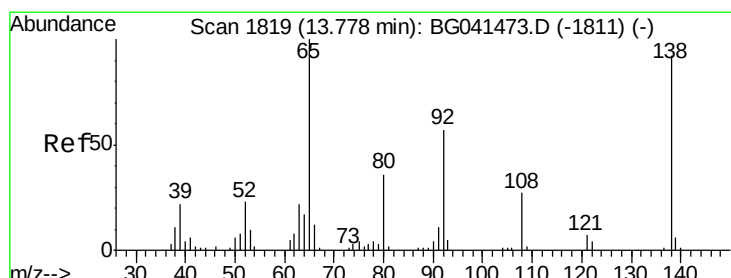
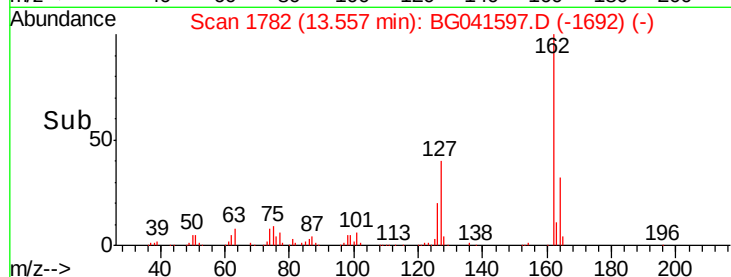
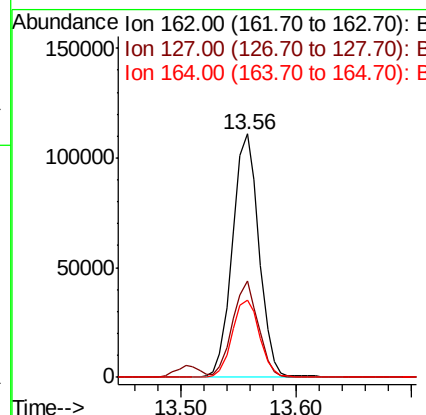
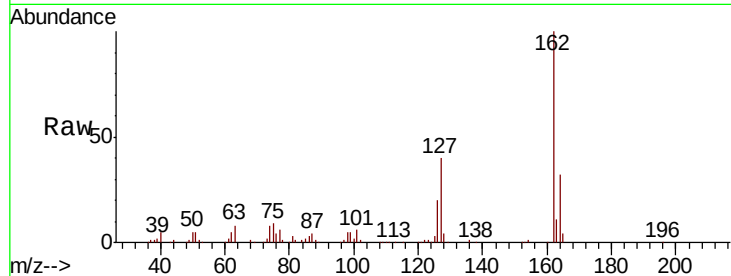
#47  
2-Chloronaphthalene  
Concen: 38.782 ng  
RT: 13.56 min Scan# 1782  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.6  | 30.0  | 45.0  |
| 164     | 32.0  | 25.8  | 38.6  |

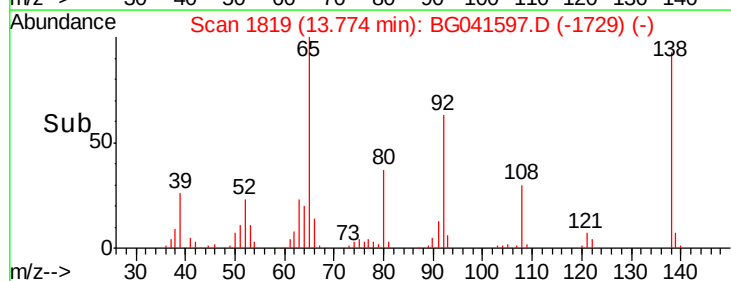
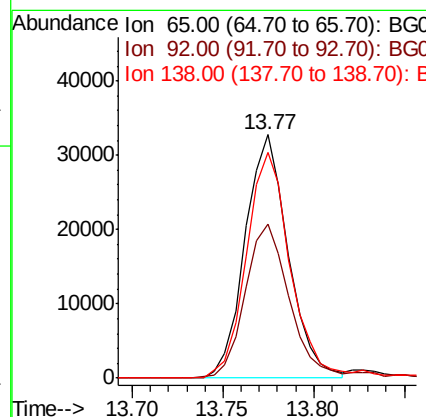
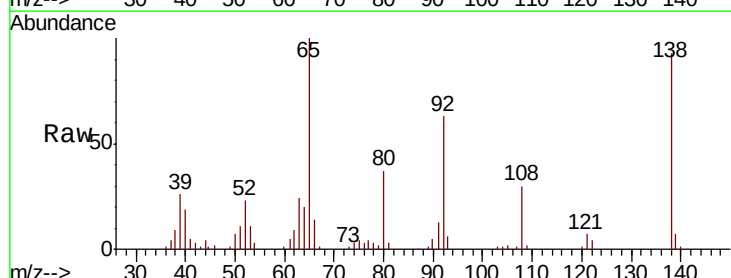
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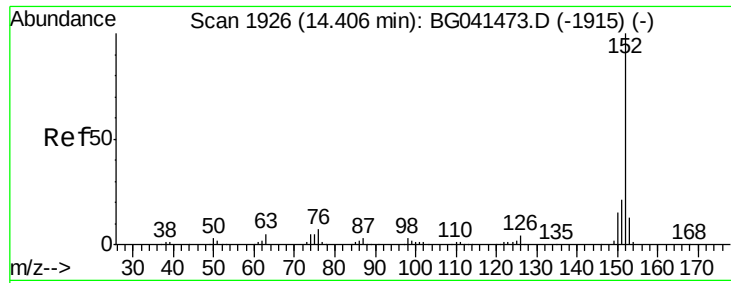
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#48  
2-Nitroaniline  
Concen: 35.069 ng  
RT: 13.77 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 63.3  | 45.9  | 68.9  |
| 138     | 92.7  | 73.4  | 110.2 |





#49

Acenaphthylene

Concen: 41.494 ng

RT: 14.40 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

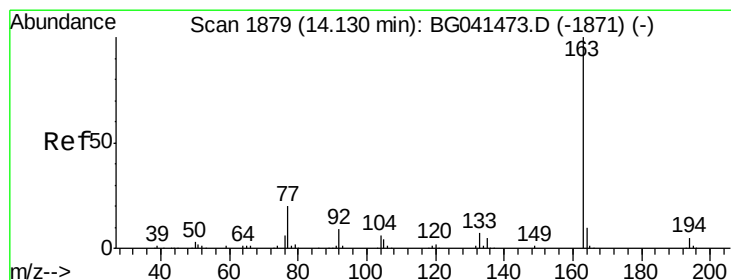
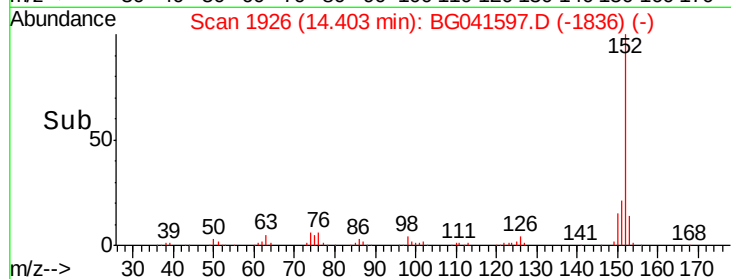
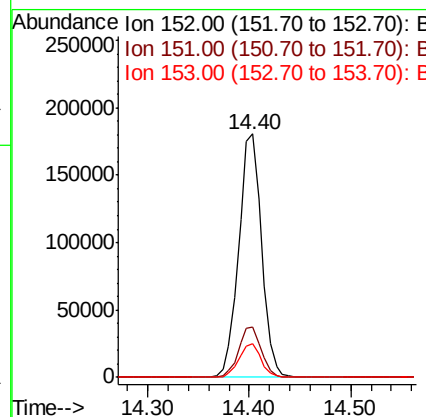
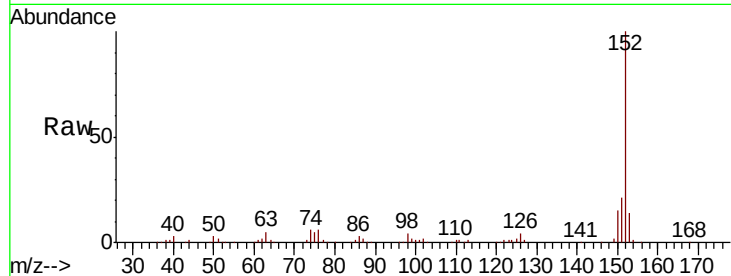
ClientSampleId :

HD-01-070219MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 282751 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.8  | 16.7  | 25.1   |
| 153       | 13.8  | 10.8  | 16.2   |

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#50

Dimethylphthalate

Concen: 40.876 ng

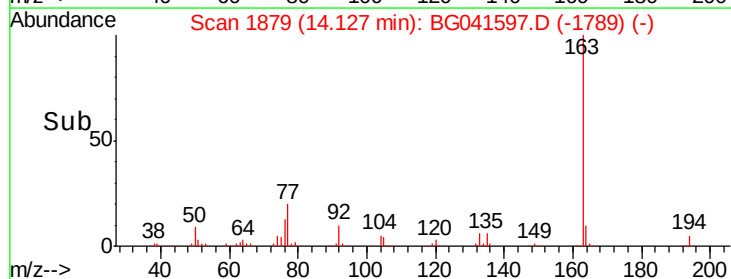
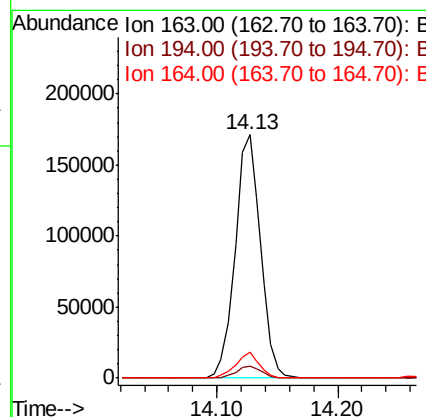
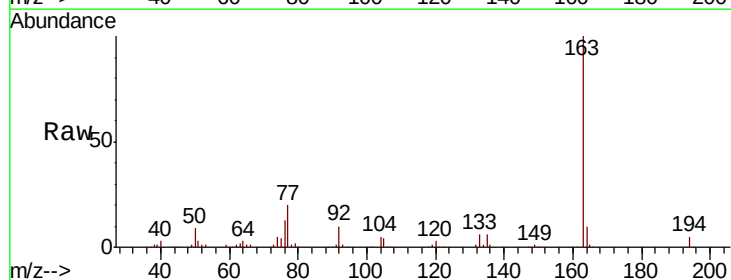
RT: 14.13 min Scan# 1879

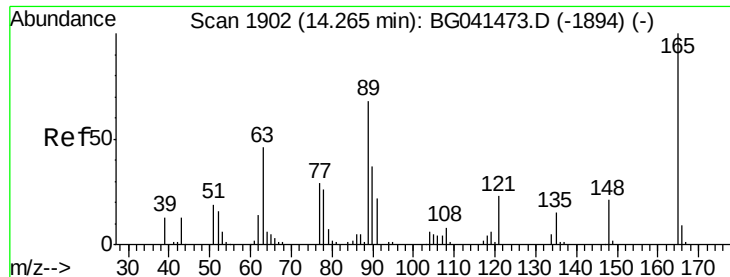
Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 250229 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.8   | 3.7   | 5.5    |
| 164       | 10.4  | 7.8   | 11.6   |





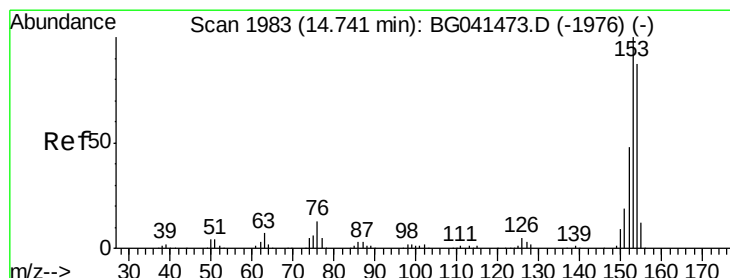
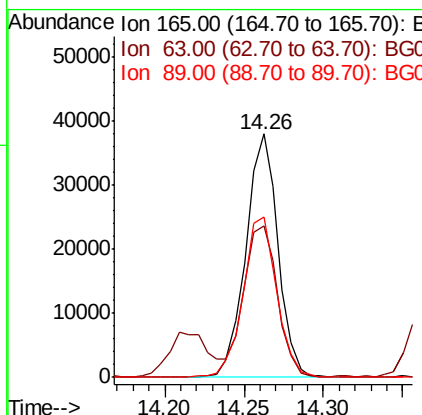
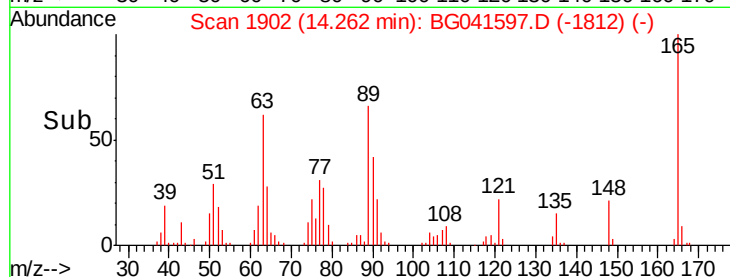
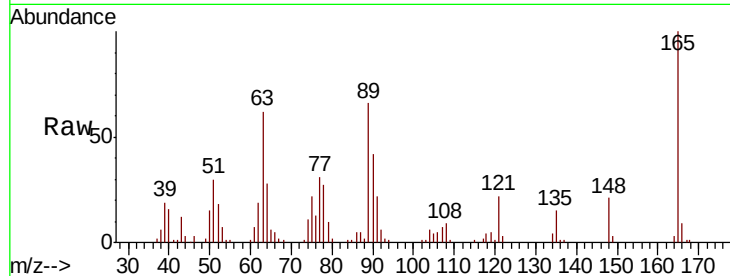
#51  
2,6-Dinitrotoluene  
Concen: 41.033 ng  
RT: 14.26 min Scan# 1902  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 62.0  | 56.4  | 84.6  |
| 89      | 65.9  | 54.6  | 81.8  |

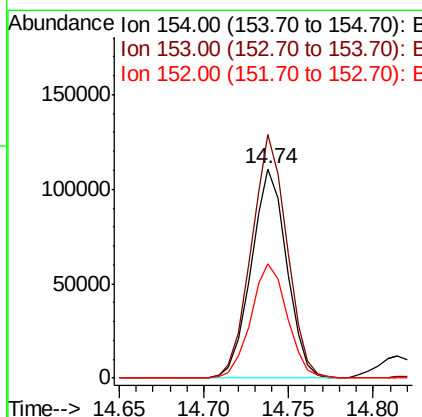
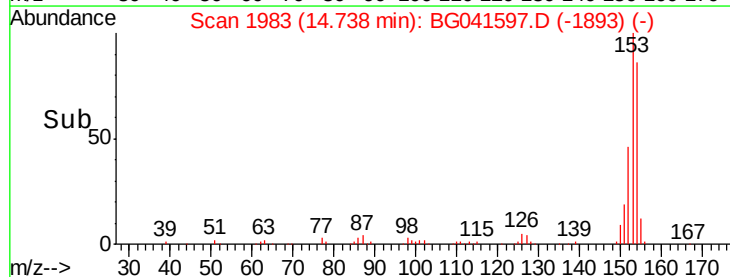
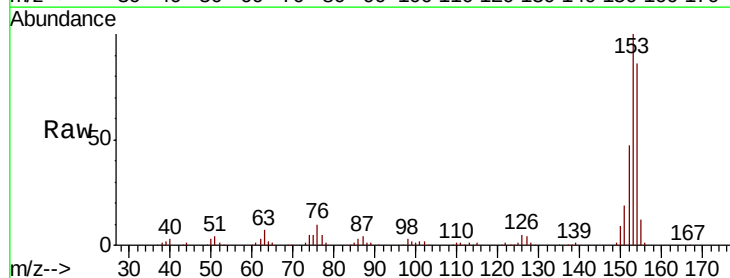
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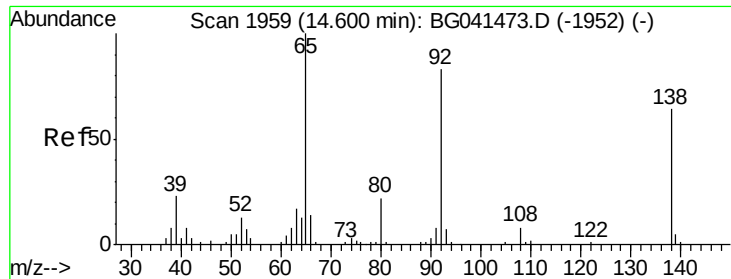
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#52  
Acenaphthene  
Concen: 39.982 ng  
RT: 14.74 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 116.4 | 92.2  | 138.4 |
| 152     | 55.0  | 44.1  | 66.1  |





#53

3-Nitroaniline

Concen: 7.820 ng

RT: 14.61 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

ClientSampleId :

HD-01-070219MS

Tot Ion:138 Resp: 9698

Ion Ratio Lower Upper

138 100

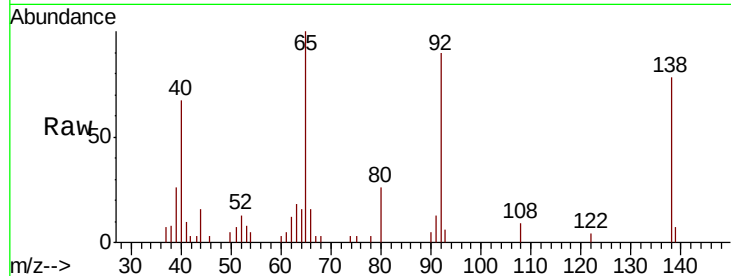
108 11.4 9.5 14.3

92 115.8 103.3 154.9

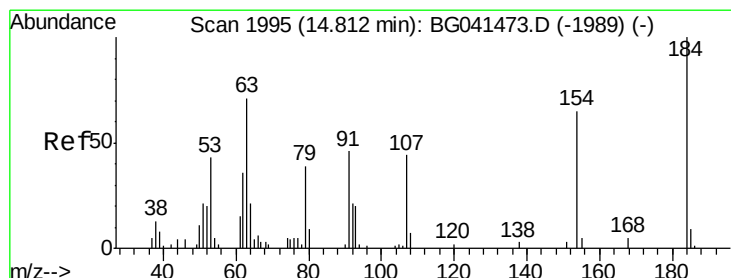
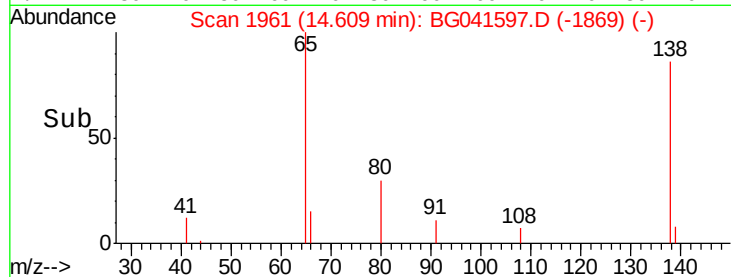
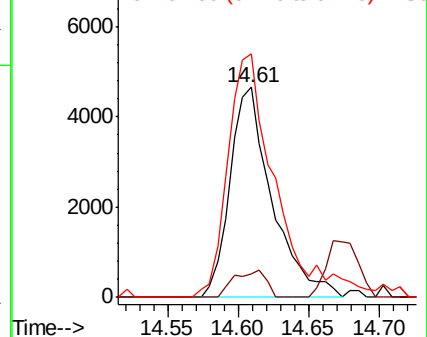
Manual Integrations  
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Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): B



#54

2,4-Dinitrophenol

Concen: 43.808 ng

RT: 14.81 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

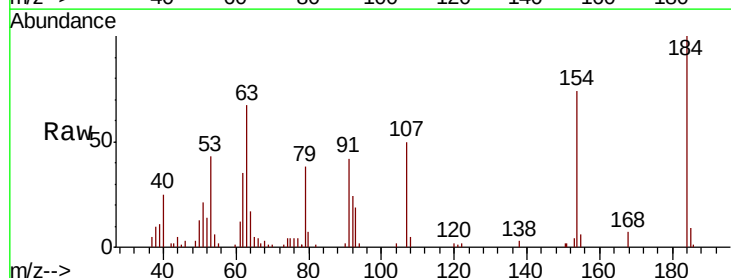
Tgt Ion:184 Resp: 34280

Ion Ratio Lower Upper

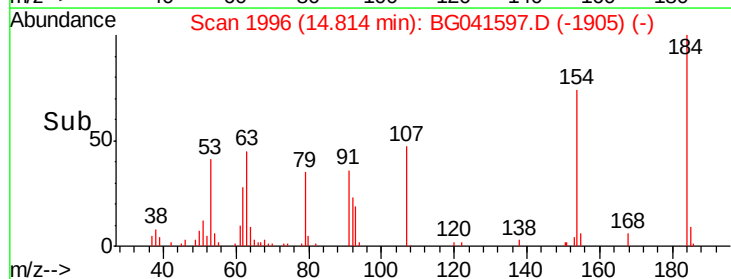
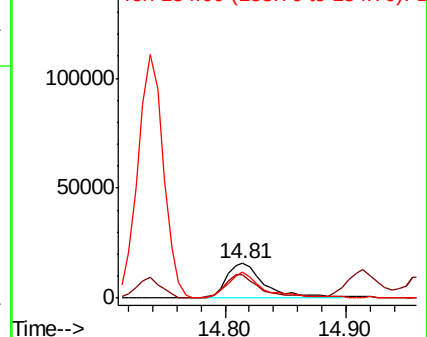
184 100

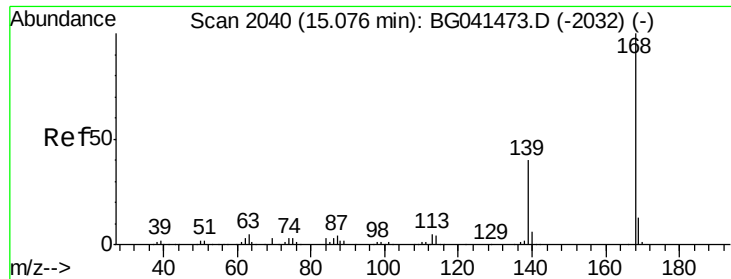
63 66.7 56.5 84.7

154 74.0 54.2 81.4



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): B  
Ion 154.00 (153.70 to 154.70): E





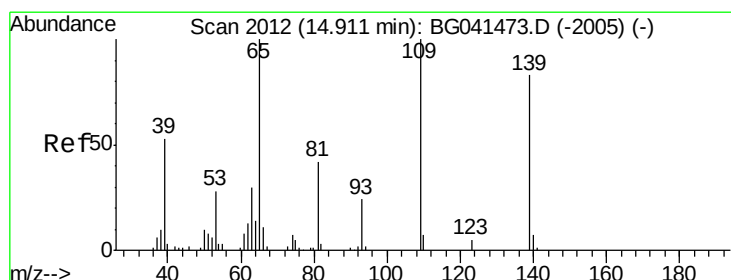
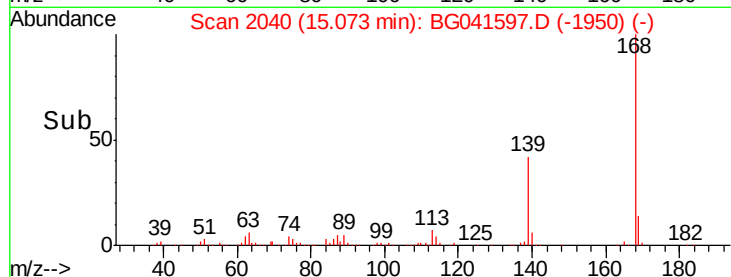
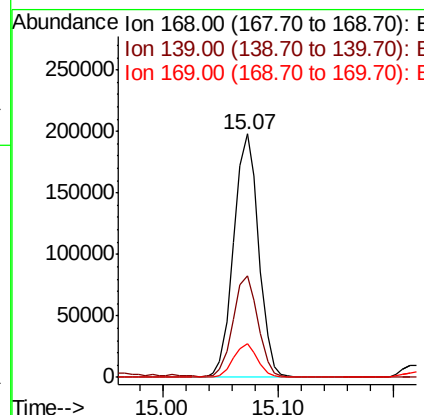
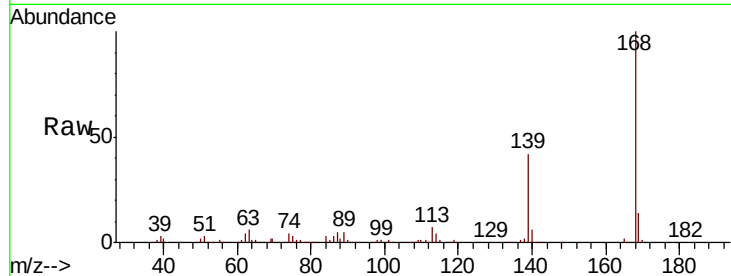
#55  
Dibenzenofuran  
Concen: 42.154 ng  
RT: 15.07 min Scan# 2040  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.9  | 32.2  | 48.4  |
| 169     | 13.8  | 10.6  | 16.0  |

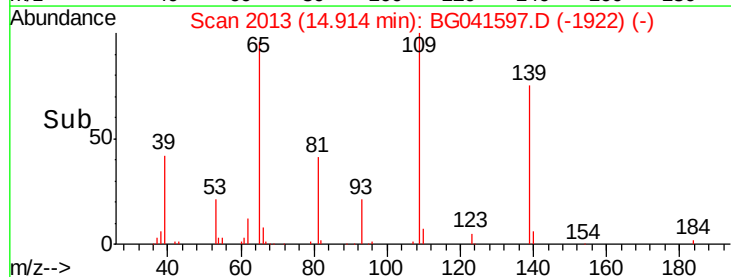
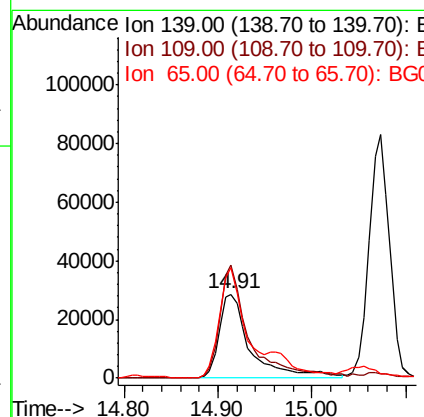
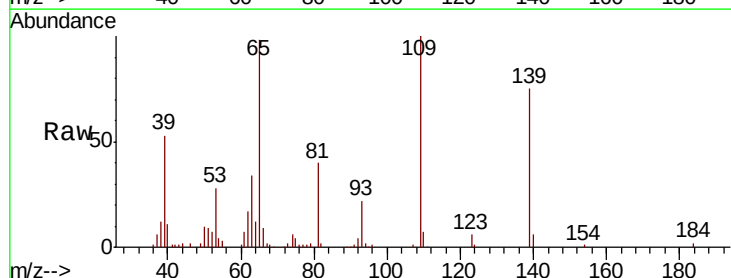
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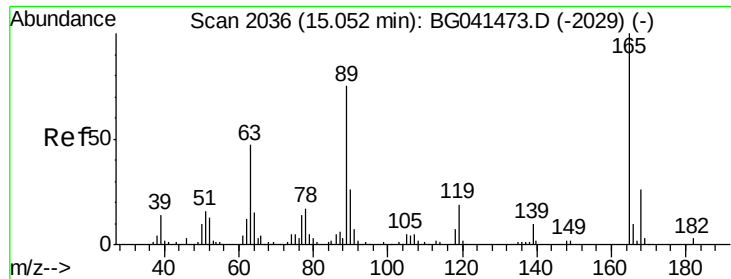


#56  
4-Nitrophenol  
Concen: 83.364 ng  
RT: 14.91 min Scan# 2013  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 133.7 | 99.9  | 139.9 |
| 65      | 131.0 | 100.6 | 140.6 |







#57

2,4-Dinitrotoluene

Concen: 42.281 ng

RT: 15.05 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

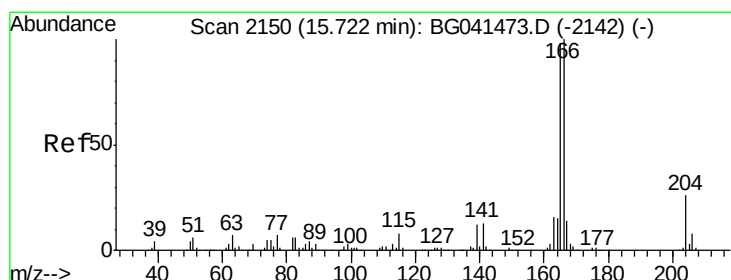
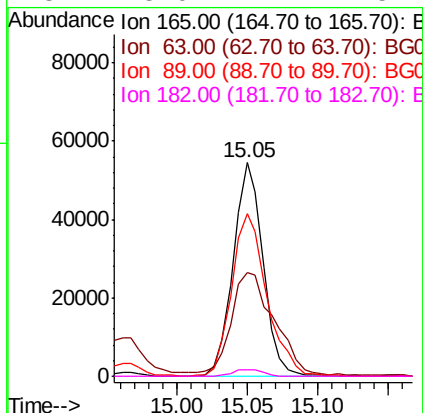
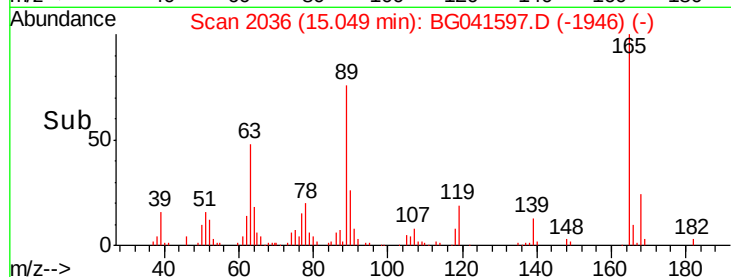
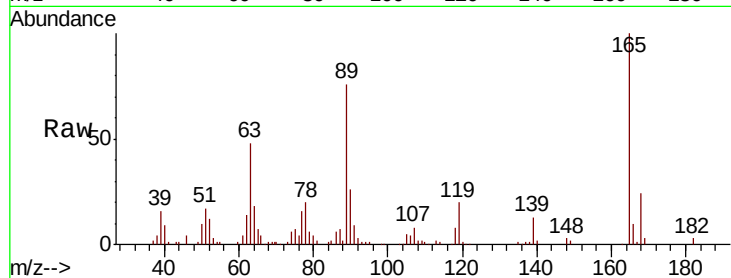
ClientSampleId :

HD-01-070219MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 165     | 100  |       | 79685 |       |       |
| 63      | 48.5 |       | 38.8  | 58.2  |       |
| 89      | 76.3 |       | 60.1  | 90.1  |       |
| 182     | 3.0  |       | 2.2   | 3.2   |       |

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#58

Fluorene

Concen: 43.307 ng

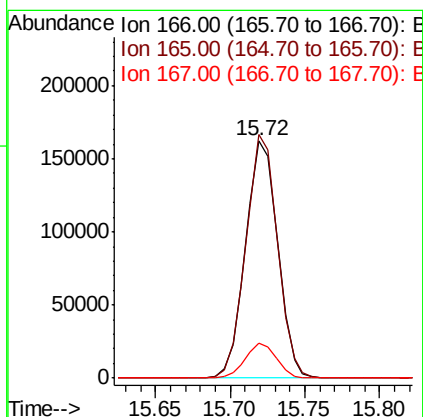
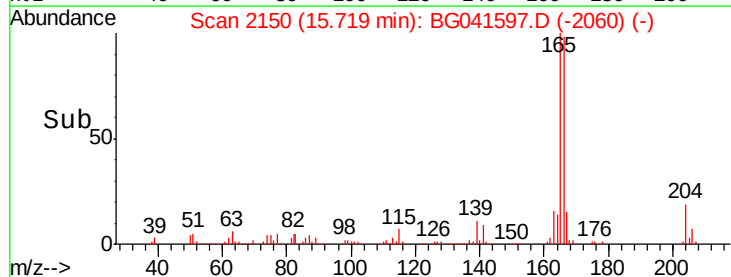
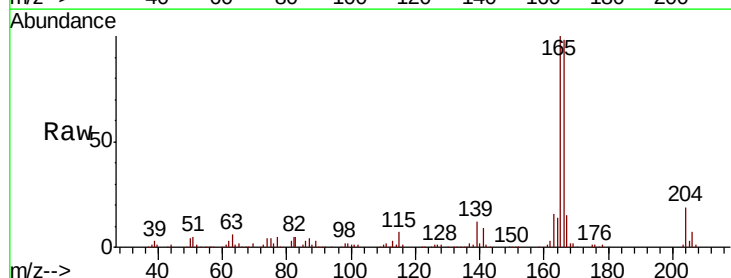
RT: 15.72 min Scan# 2150

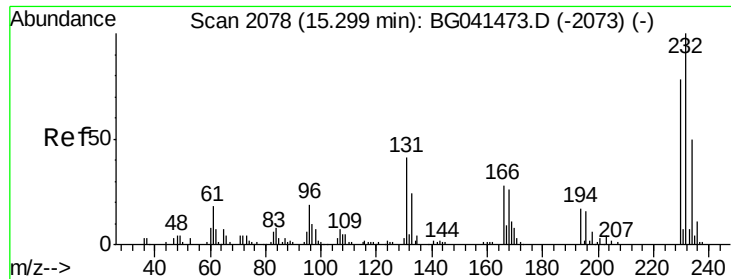
Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 166     | 100   |       | 242367 |       |       |
| 165     | 102.4 |       | 78.6   | 117.8 |       |
| 167     | 15.0  |       | 11.4   | 17.0  |       |





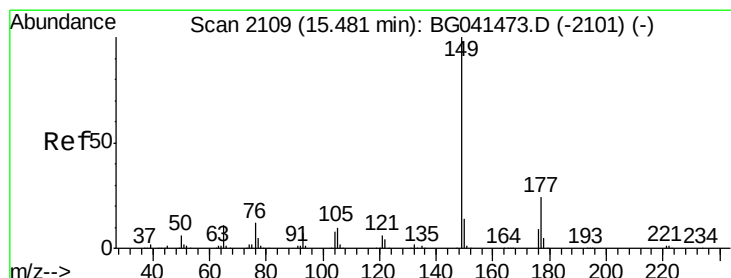
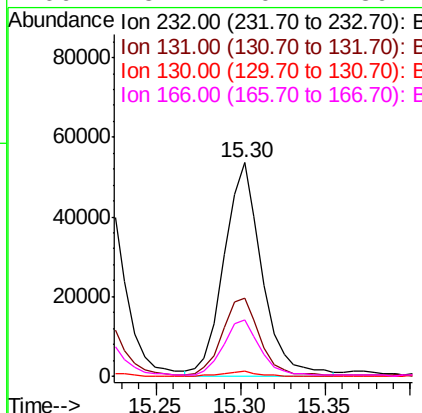
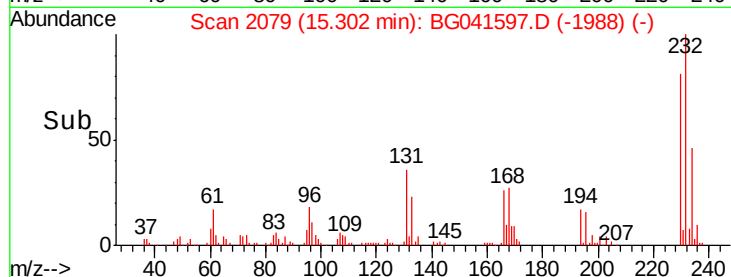
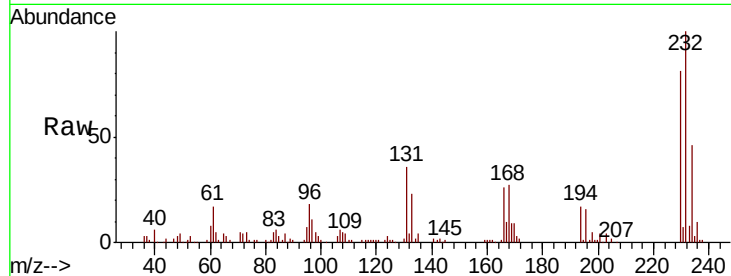
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.499 ng  
RT: 15.30 min Scan# 2079  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 232     | 100  |       | 83982 |       |       |
| 131     | 35.0 | 29.8  | 44.6  |       |       |
| 130     | 2.2  | 2.0   | 3.0   |       |       |
| 166     | 25.2 | 20.2  | 30.2  |       |       |

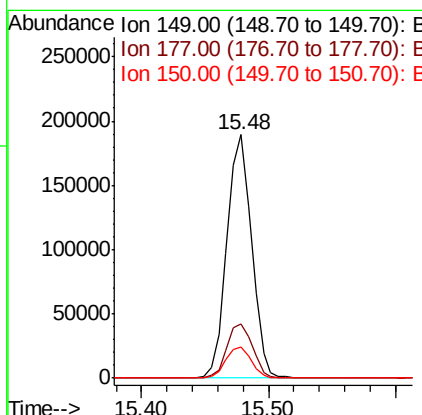
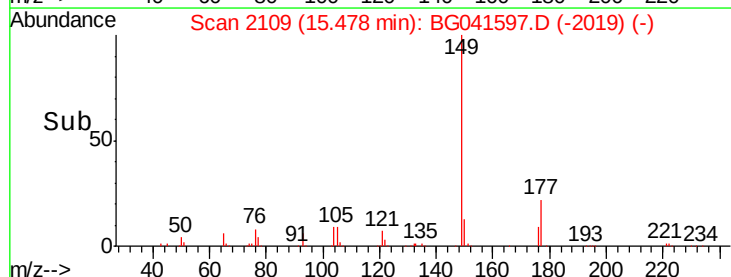
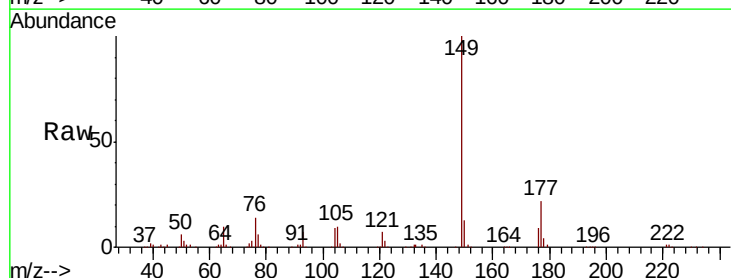
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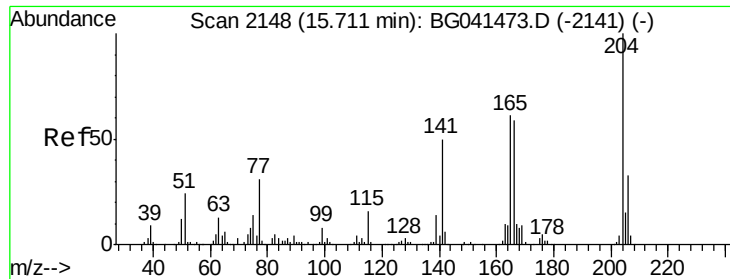
mohammad  
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#60  
Diethylphthalate  
Concen: 40.723 ng  
RT: 15.48 min Scan# 2109  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 255180 |       |       |
| 177     | 22.5 | 19.2  | 28.8   |       |       |
| 150     | 12.7 | 11.2  | 16.8   |       |       |





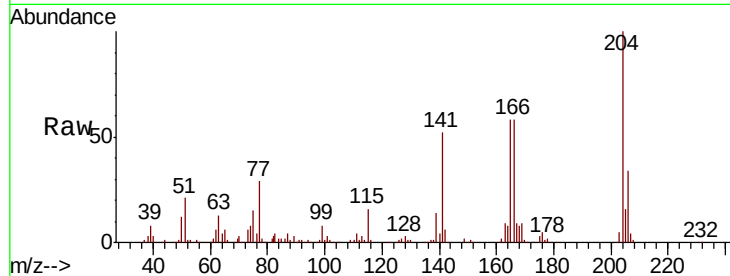
#61  
 4-Chlorophenyl-phenylether  
 Concen: 41.738 ng  
 RT: 15.71 min Scan# 2148  
 Delta R.T. -0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-070219MS

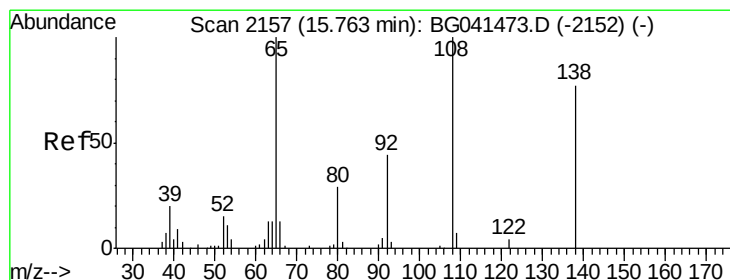
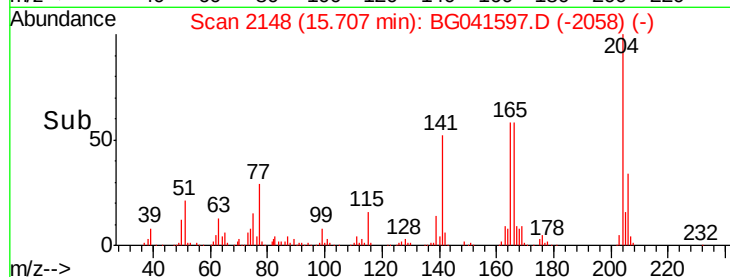
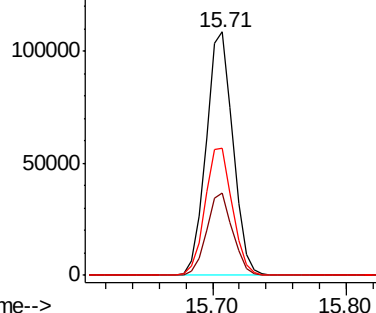
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 150668 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.7  | 26.6  | 40.0   |
| 141       | 52.2  | 40.1  | 60.1   |

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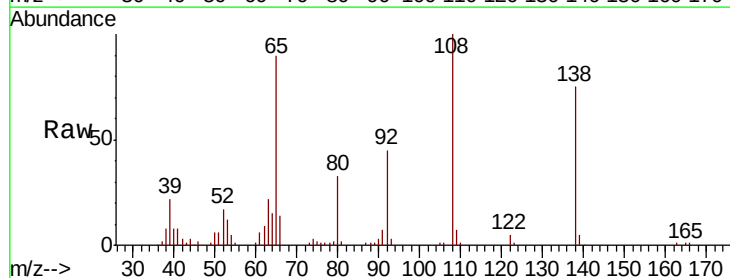


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

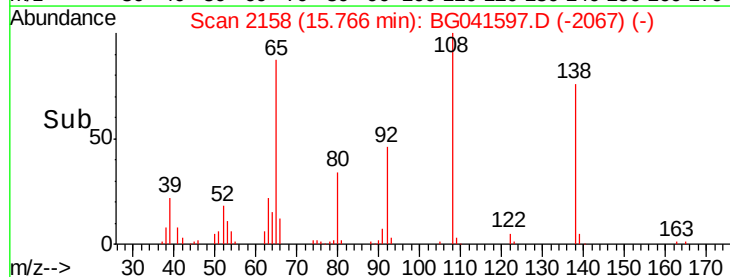
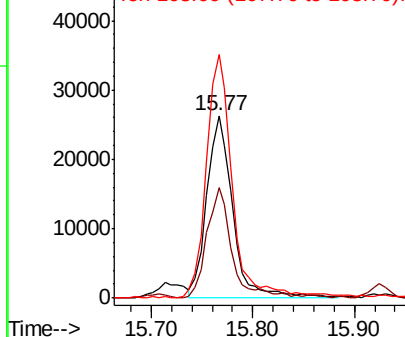


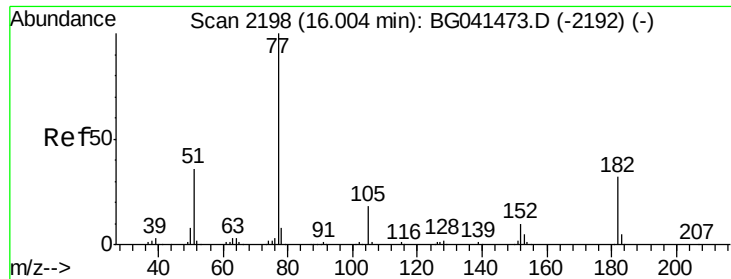
#62  
 4-Nitroaniline  
 Concen: 38.823 ng  
 RT: 15.77 min Scan# 2158  
 Delta R.T. 0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 46926 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 60.4  | 34.9  | 74.9  |
| 108       | 133.6 | 105.5 | 145.5 |



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





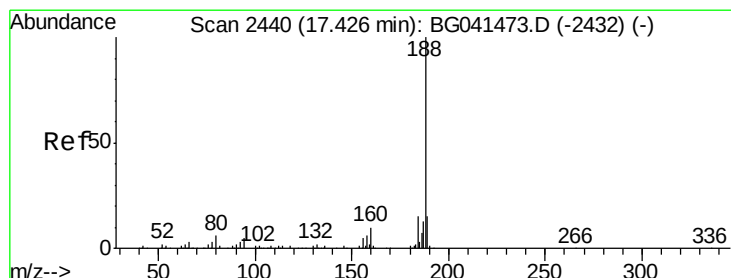
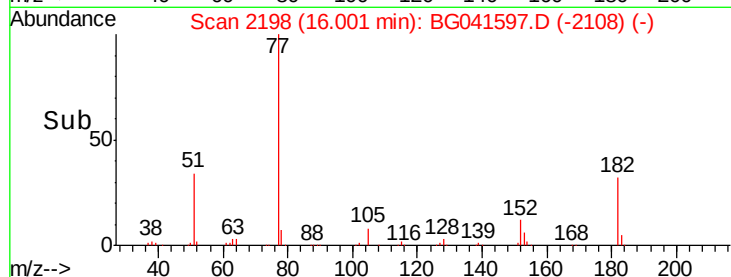
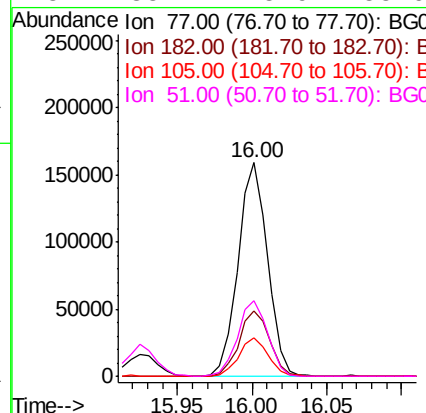
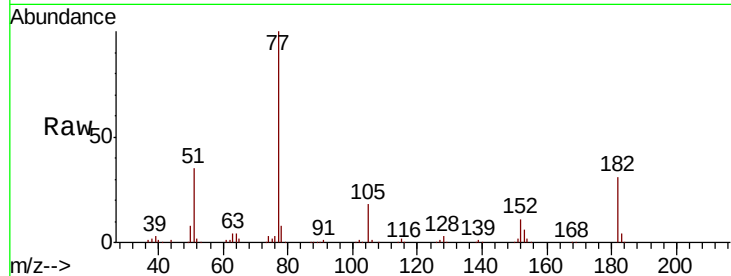
#63  
Azobenzene  
Concen: 41.298 ng  
RT: 16.00 min Scan# 2198  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 77      | 100  |       |      |       |       |
| 182     | 30.6 | 12.2  | 52.2 |       |       |
| 105     | 17.8 | 0.0   | 38.1 |       |       |
| 51      | 35.4 | 15.9  | 55.9 |       |       |

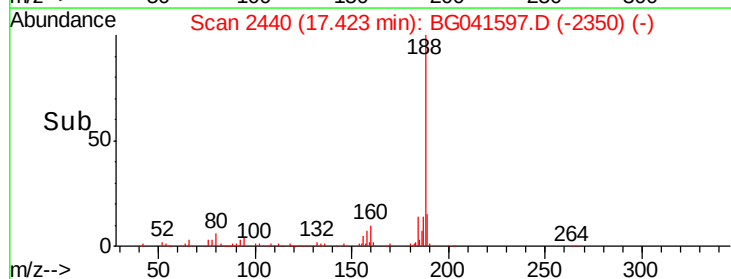
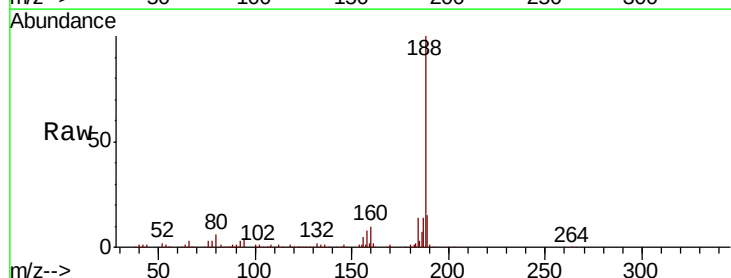
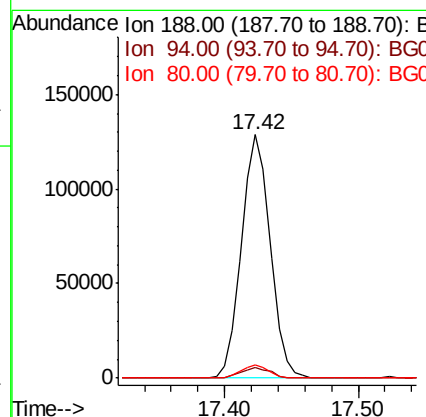
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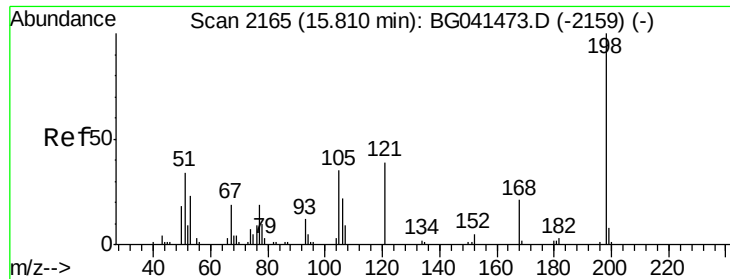
mohammad  
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2440  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 188     | 100 |       |      |       |       |
| 94      | 4.3 | 3.8   | 5.8  |       |       |
| 80      | 5.7 | 4.8   | 7.2  |       |       |





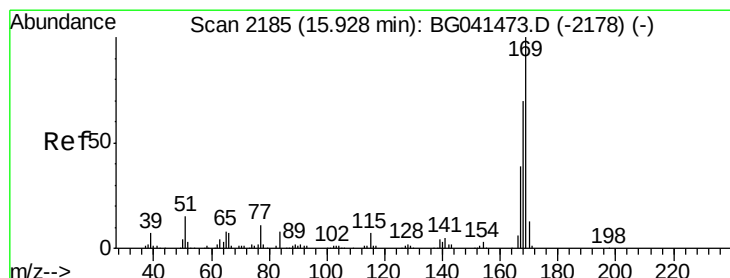
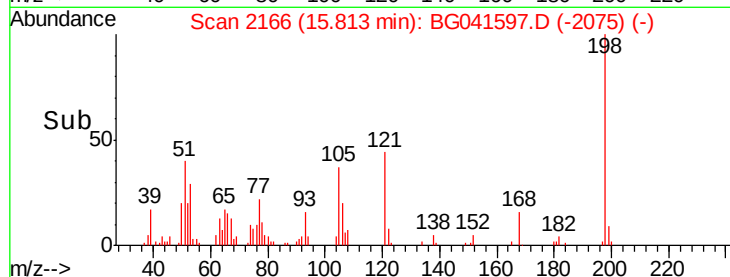
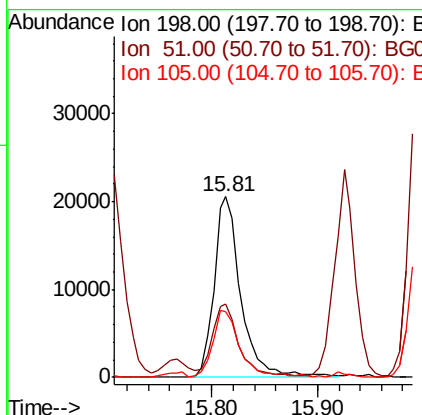
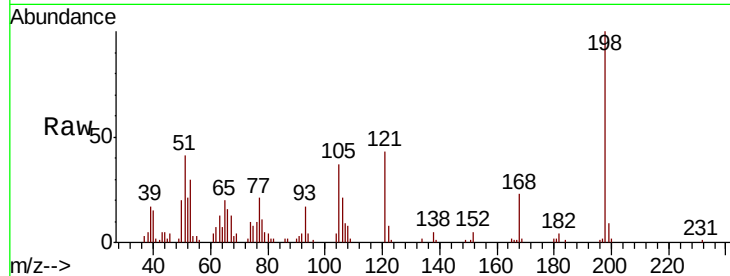
#65  
4,6-Dinitro-2-methylphenol  
Concen: 30.796 ng  
RT: 15.81 min Scan# 2166  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 36585 |       |       |
| 51      | 41.0  | 19.0  | 59.0  |       |
| 105     | 36.6  | 16.1  | 56.1  |       |

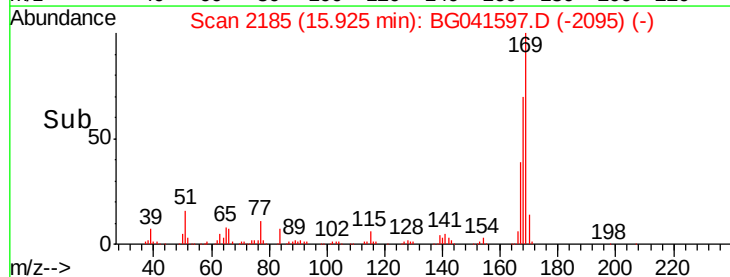
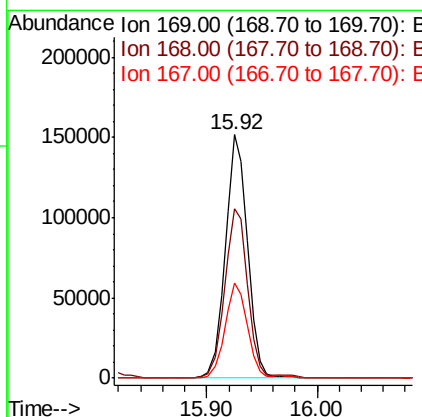
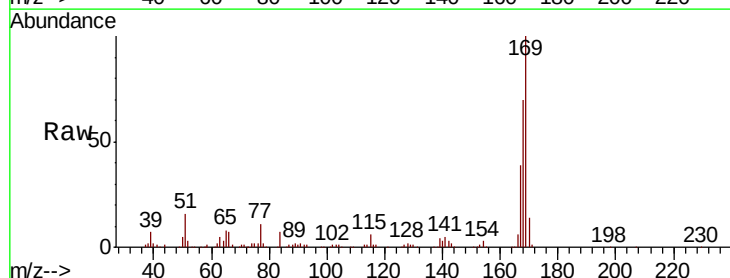
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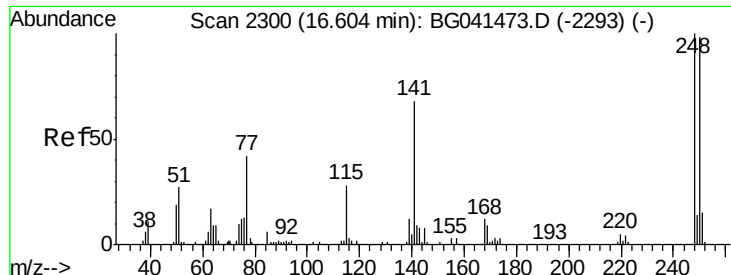
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#66  
n-Nitrosodiphenylamine  
Concen: 40.313 ng  
RT: 15.92 min Scan# 2185  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 212819 |       |       |
| 168     | 69.7  | 56.2   | 84.4  |       |
| 167     | 39.3  | 31.0   | 46.6  |       |





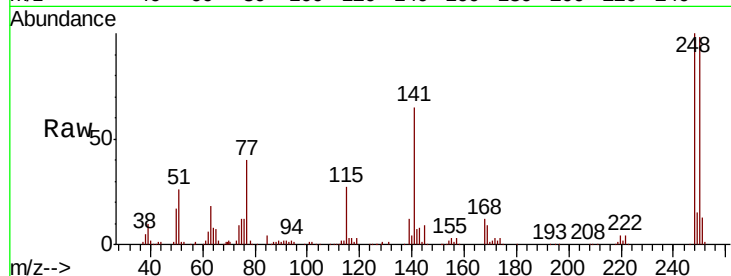
#67  
 4-Bromophenyl-phenylether  
 Concen: 40.499 ng  
 RT: 16.60 min Scan# 2300  
 Delta R.T. -0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.0  | 78.1  | 117.1 |
| 141     | 64.8  | 54.1  | 81.1  |

Manual Integrations  
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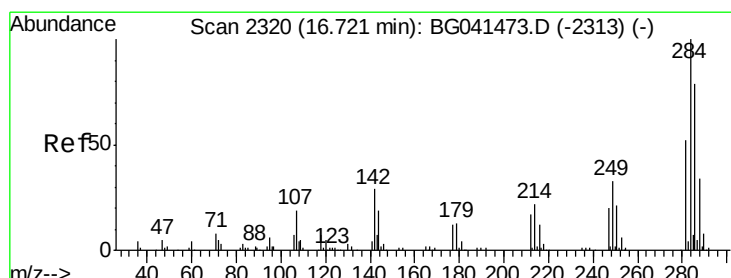
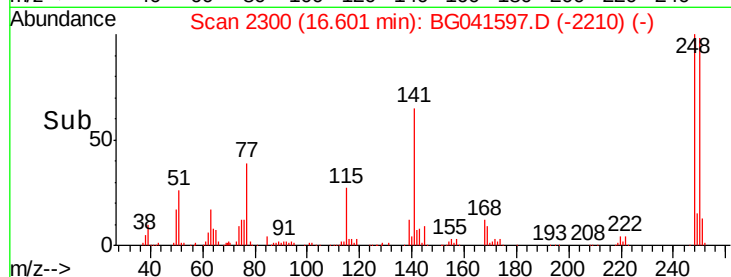
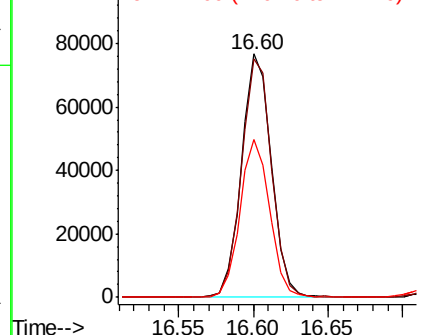


Abundance

Ion 248.00 (247.70 to 248.70): E

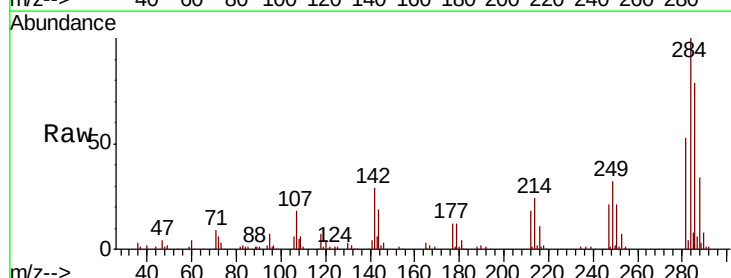
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
 Hexachlorobenzene  
 Concen: 40.443 ng  
 RT: 16.72 min Scan# 2320  
 Delta R.T. -0.00 min  
 Lab File: BG041597.D  
 Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 28.7  | 22.9  | 34.3  |
| 249     | 34.5  | 26.1  | 39.1  |

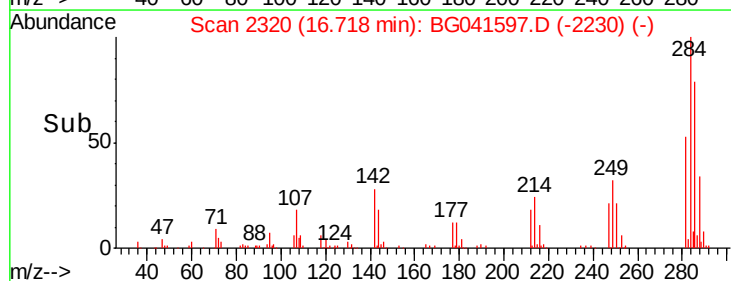
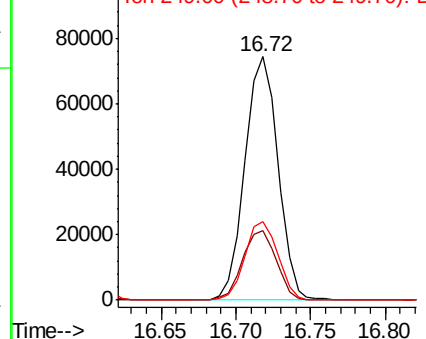


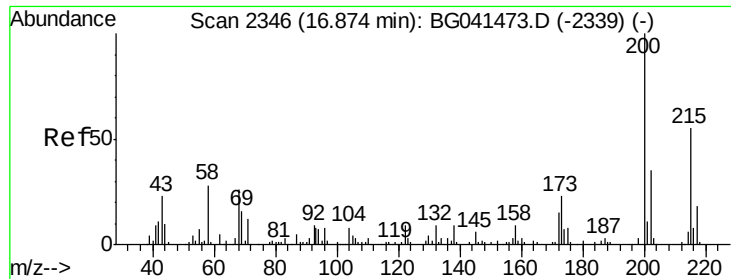
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





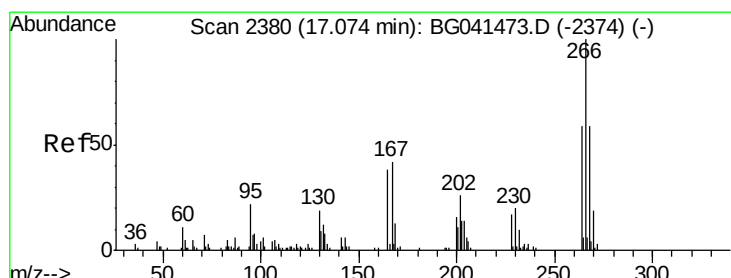
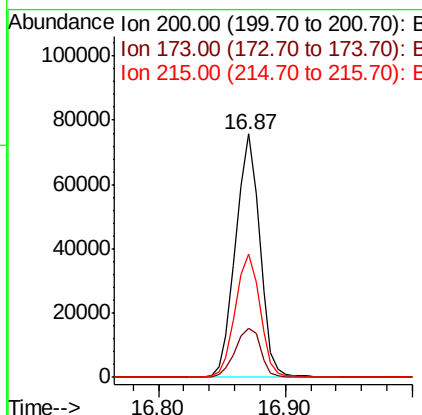
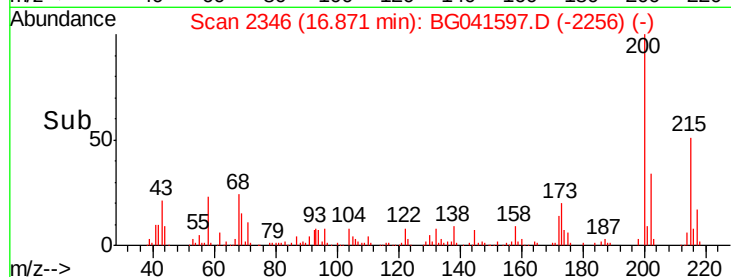
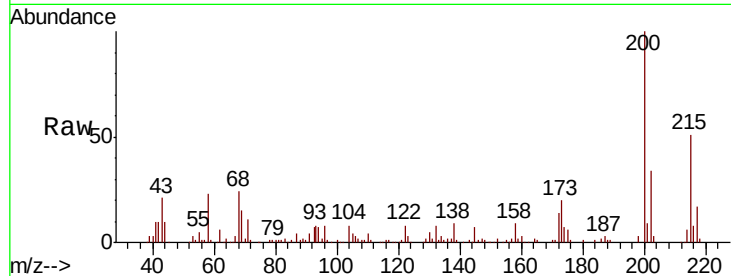
#69  
Atrazine  
Concen: 44.815 ng  
RT: 16.87 min Scan# 2346  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 20.4  | 3.1        | 43.1  |
| 215     | 50.5  | 34.7       | 74.7  |

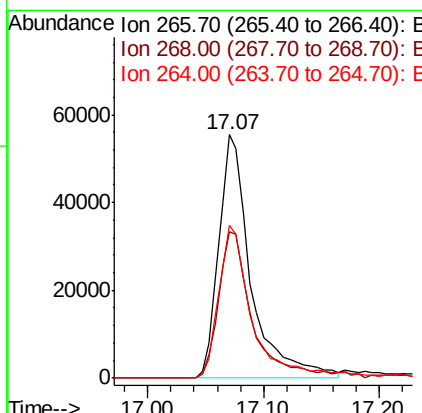
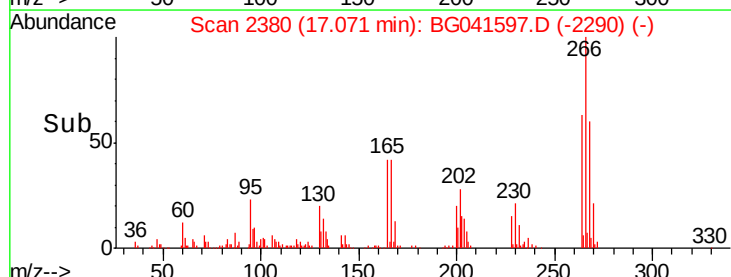
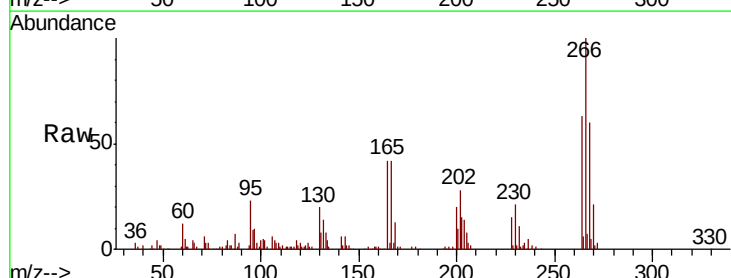
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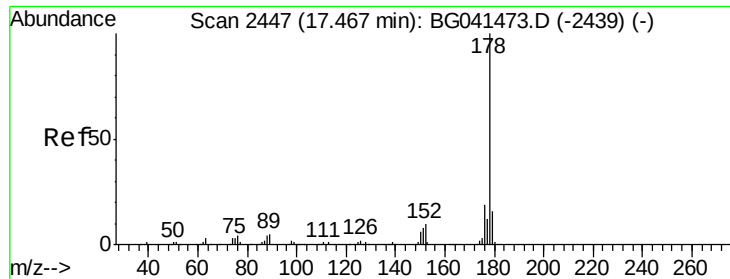
mohammad  
7/5/2019 8:43:02 AM



#70  
Pentachlorophenol  
Concen: 83.415 ng  
RT: 17.07 min Scan# 2380  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.7  | 47.0       | 70.4  |
| 264     | 62.9  | 47.4       | 71.0  |





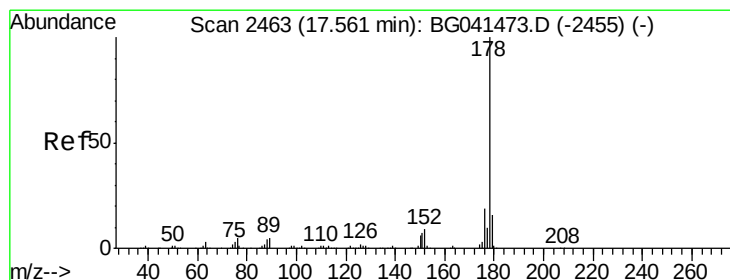
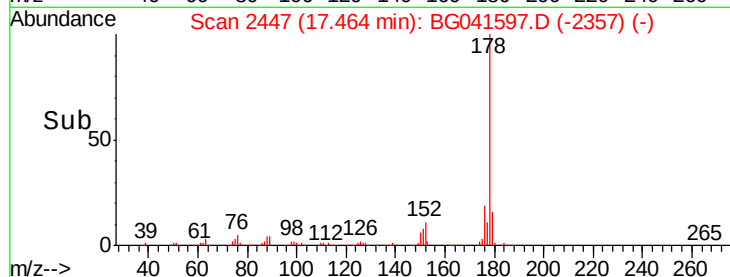
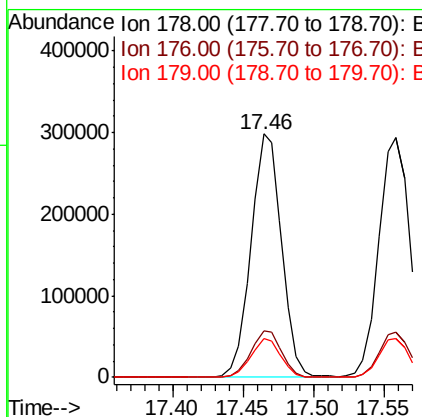
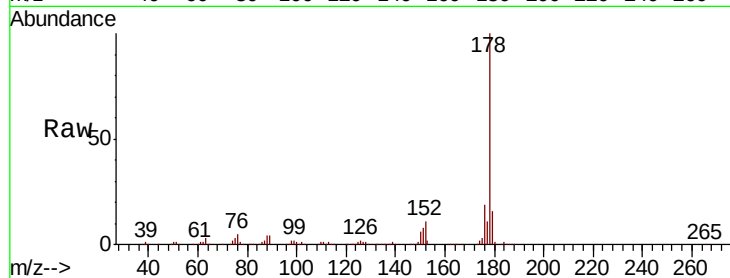
#71  
Phenanthrene  
Concen: 42.930 ng  
RT: 17.46 min Scan# 2447  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.4  | 23.0  |
| 179     | 15.7  | 13.0  | 19.4  |

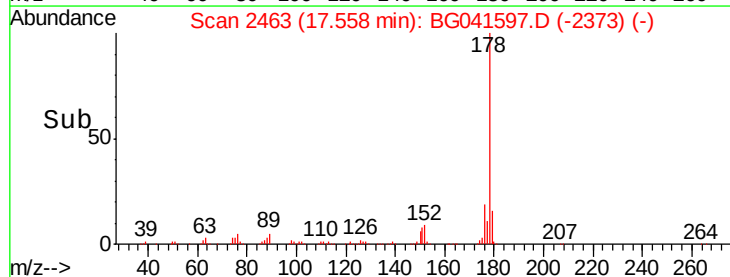
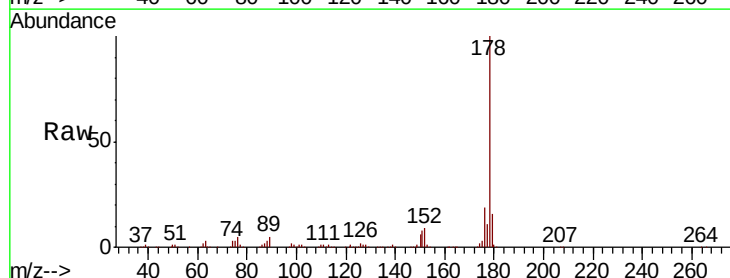
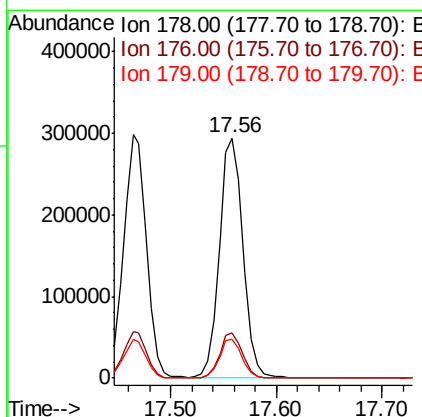
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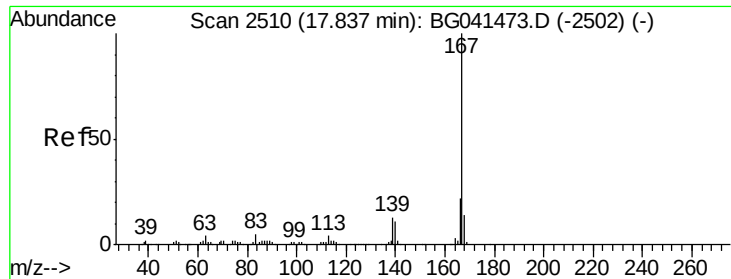


#72  
Anthracene  
Concen: 43.148 ng  
RT: 17.56 min Scan# 2463  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 14.8  | 22.2  |
| 179     | 16.2  | 12.8  | 19.2  |







#73

Carbazole

Concen: 44.210 ng

RT: 17.83 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

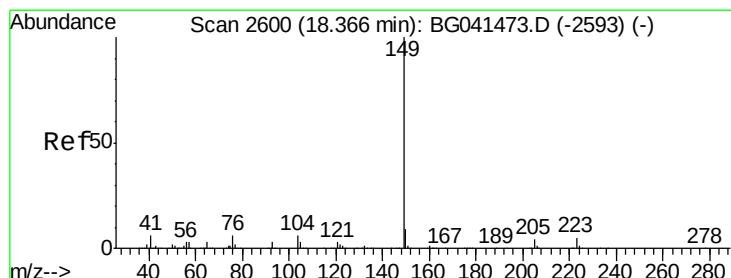
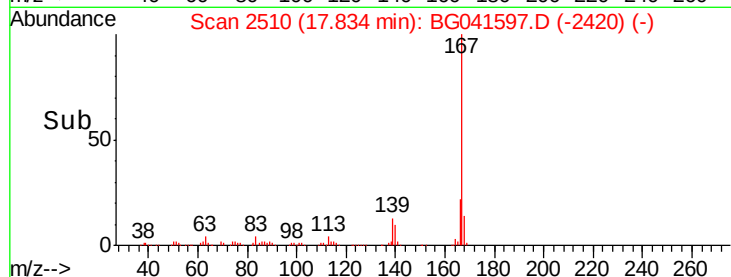
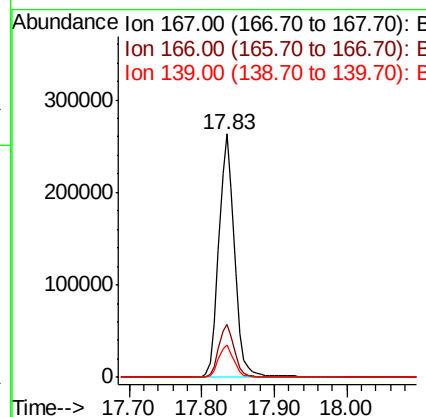
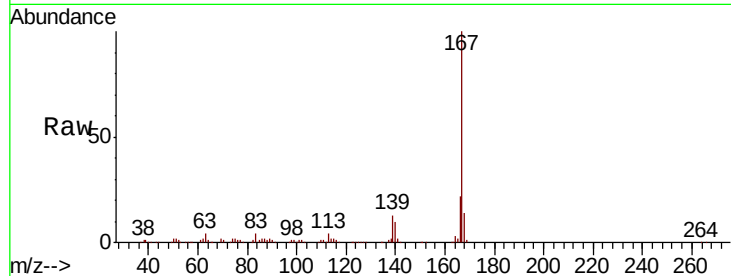
ClientSampleId :

HD-01-070219MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 167  | Resp: | 397405 |
| Ion Ratio |      | Lower | Upper  |
| 167       | 100  |       |        |
| 166       | 22.0 | 17.8  | 26.6   |
| 139       | 13.5 | 10.8  | 16.2   |

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#74

Di-n-butylphthalate

Concen: 40.948 ng

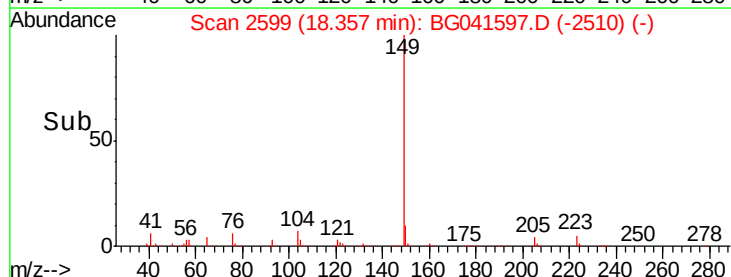
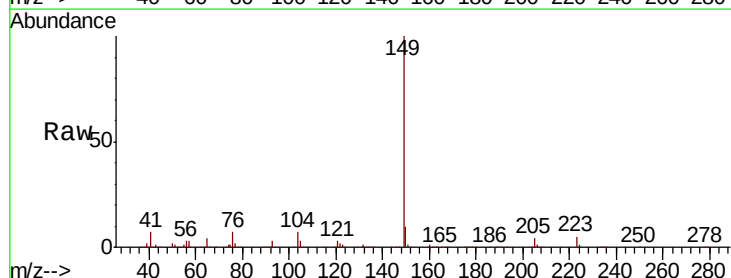
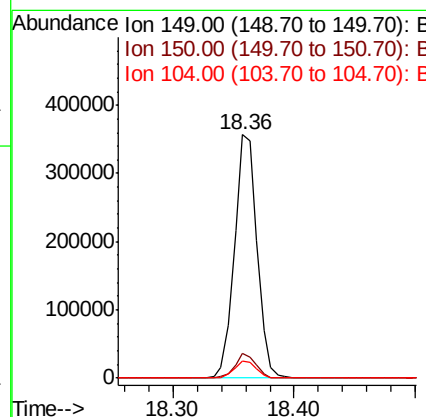
RT: 18.36 min Scan# 2599

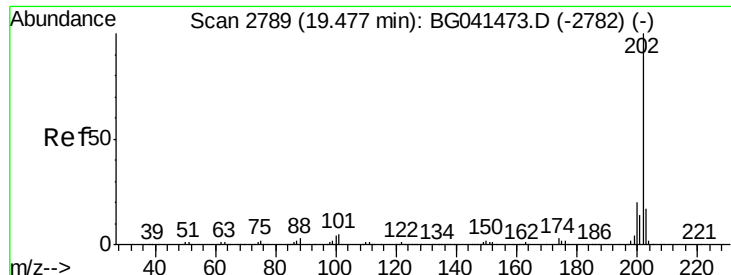
Delta R.T. -0.01 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

|           |     |       |        |
|-----------|-----|-------|--------|
| Tgt Ion:  | 149 | Resp: | 462628 |
| Ion Ratio |     | Lower | Upper  |
| 149       | 100 |       |        |
| 150       | 9.9 | 7.5   | 11.3   |
| 104       | 7.0 | 5.0   | 7.6    |





#75

Fluoranthene

Concen: 44.808 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

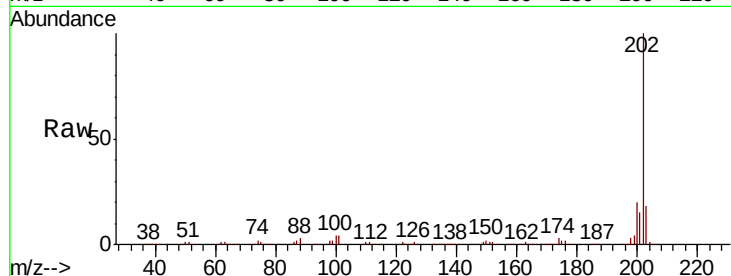
ClientSampleId :

HD-01-070219MS

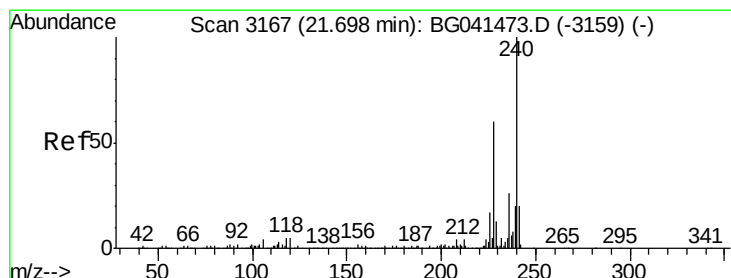
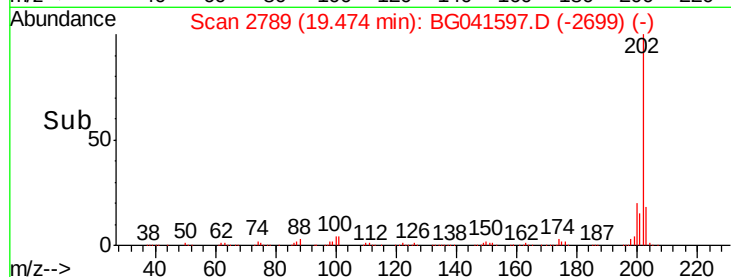
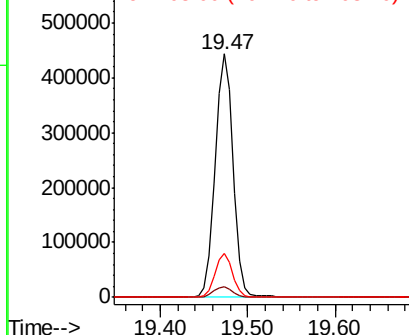
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 631350 |       |       |
| 101     | 4.3   | 0.0    | 24.9  |       |
| 203     | 18.2  | 0.0    | 37.5  |       |

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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

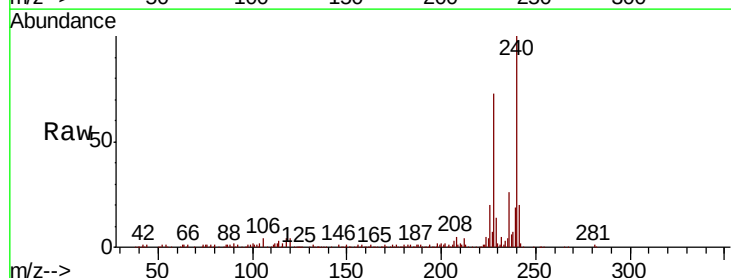
RT: 21.69 min Scan# 3167

Delta R.T. -0.00 min

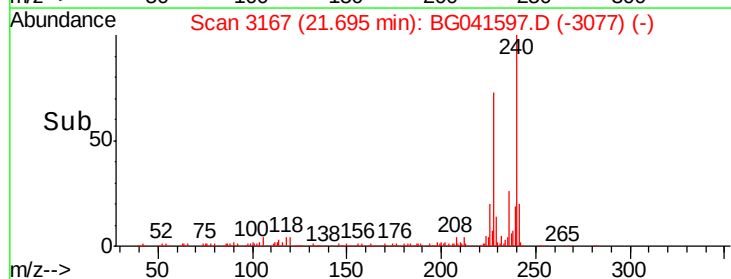
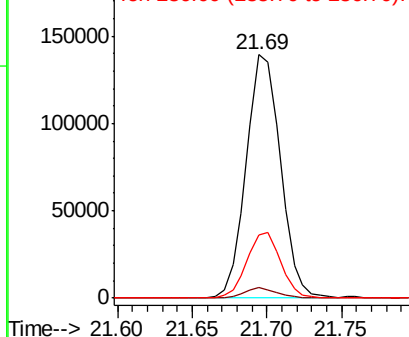
Lab File: BG041597.D

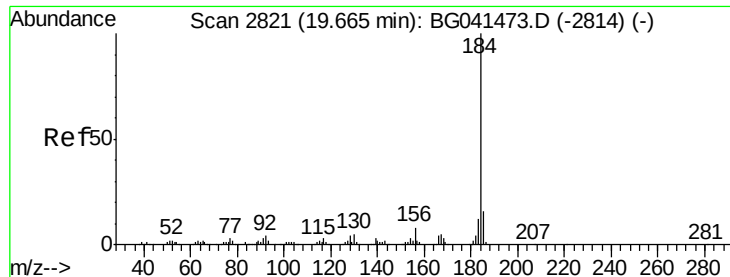
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 221625 |       |       |
| 120     | 4.4   | 3.7    | 5.5   |       |
| 236     | 26.1  | 20.8   | 31.2  |       |



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.419 ng

RT: 19.67 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

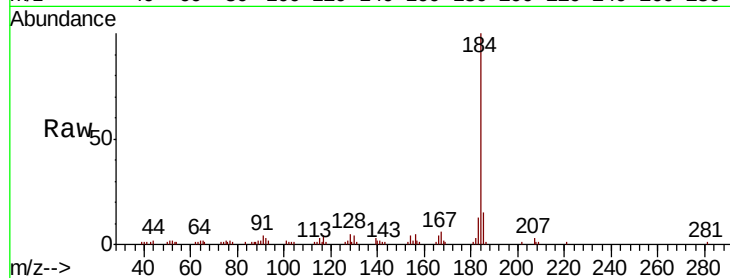
ClientSampleId :

HD-01-070219MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 56154 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 15.0  | 12.7  | 19.1  |
| 183       | 13.2  | 9.4   | 14.2  |

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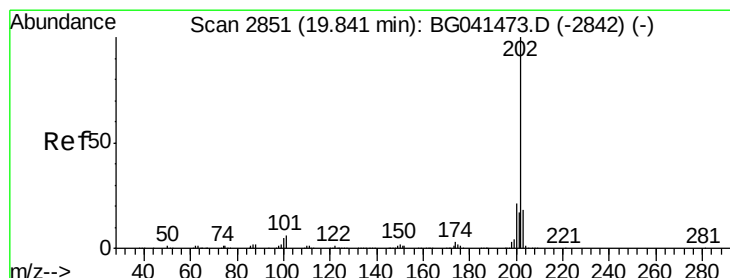
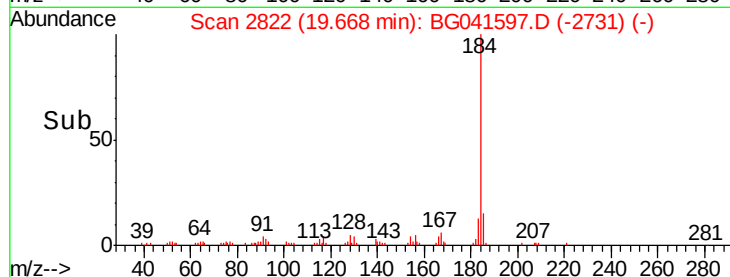
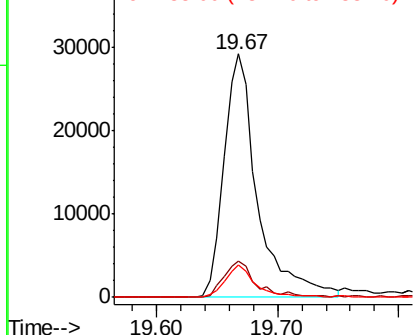


Abundance

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: 42.318 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

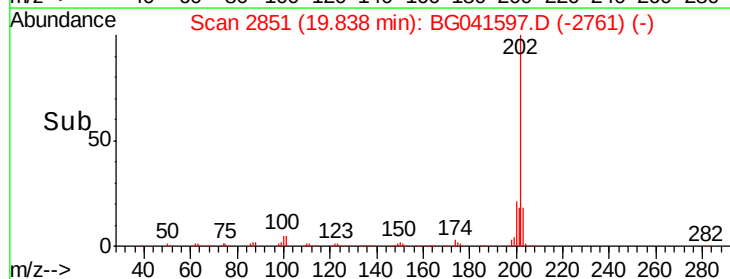
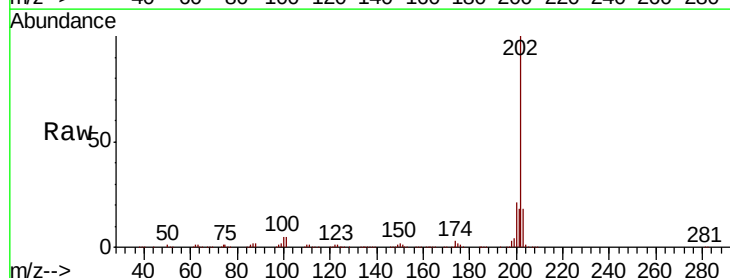
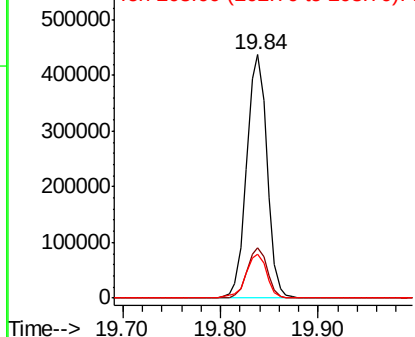
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 640248 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.8  | 16.8  | 25.2   |
| 203       | 18.2  | 14.2  | 21.4   |

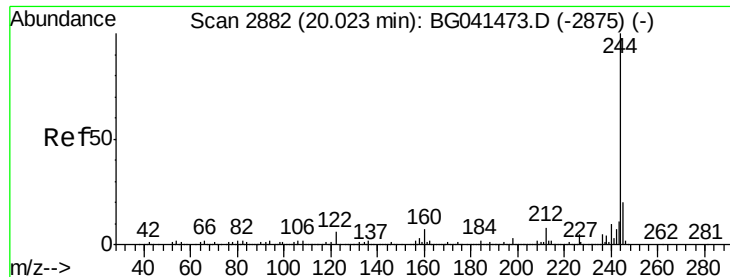
Abundance

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: 101.359 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

Instrument :

BNA\_G

ClientSampleId :

HD-01-070219MS

Tot Ion:244 Resp: 1057071

Ion Ratio Lower Upper

244 100

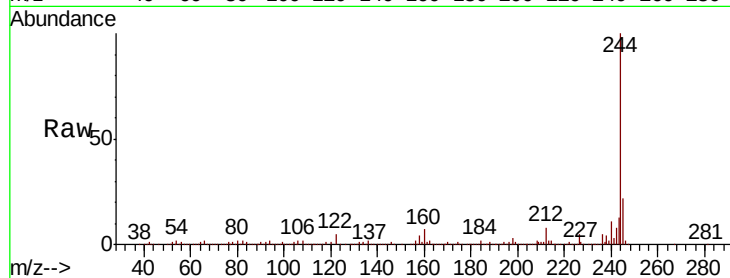
212 8.4 6.2 9.4

122 5.2 4.8 7.2

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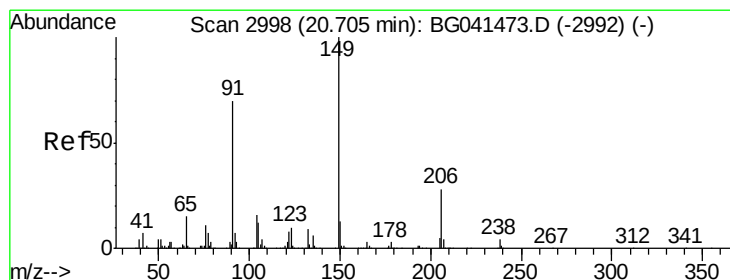
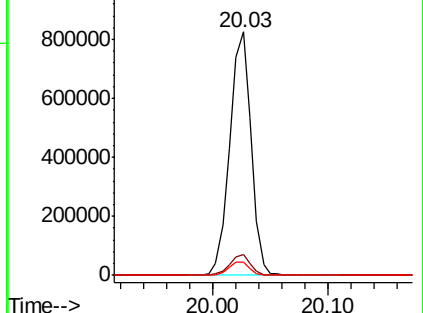
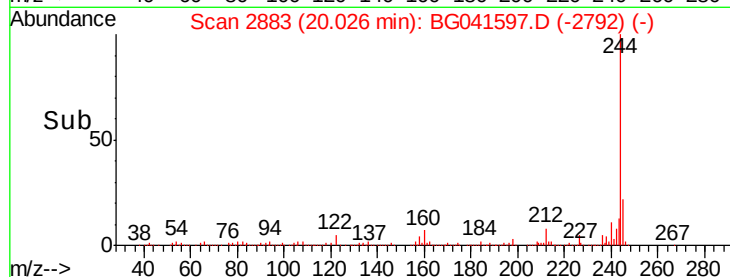
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 37.333 ng

RT: 20.70 min Scan# 2998

Delta R.T. -0.00 min

Lab File: BG041597.D

Acq: 3 Jul 2019 19:44

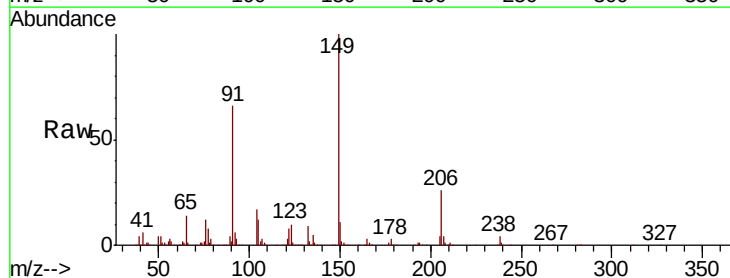
Tgt Ion:149 Resp: 210946

Ion Ratio Lower Upper

149 100

91 65.7 55.9 83.9

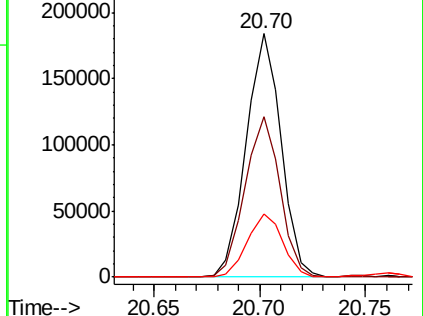
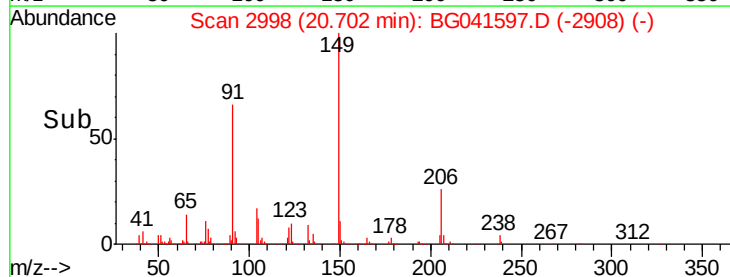
206 25.7 22.1 33.1

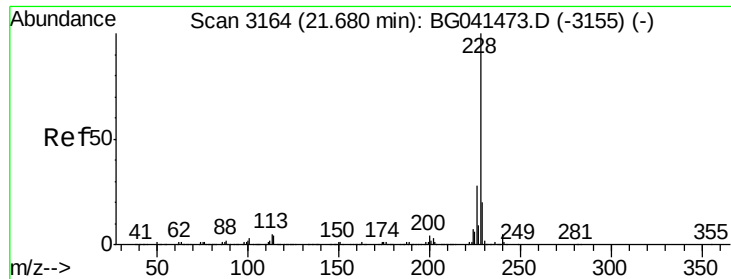


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





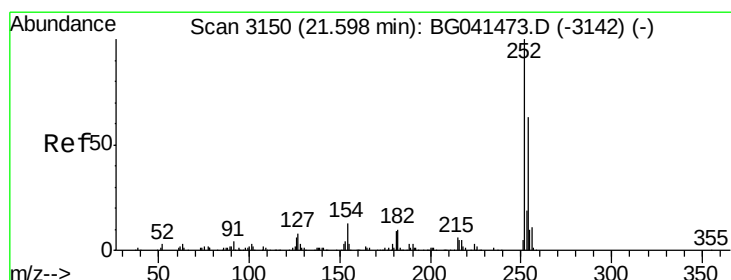
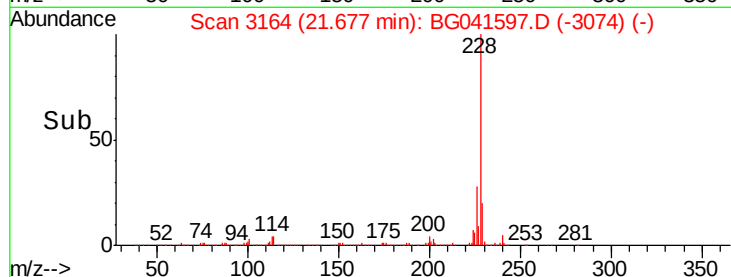
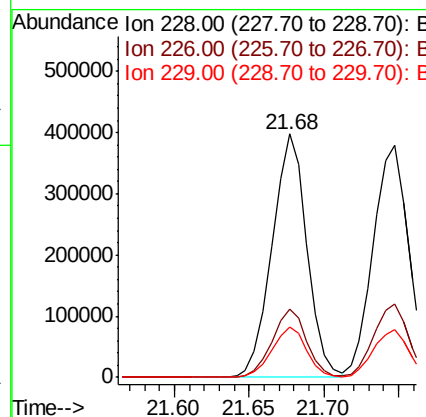
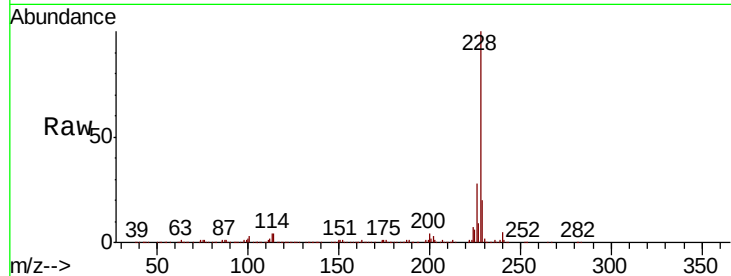
#81  
Benzo(a)anthracene  
Concen: 41.721 ng  
RT: 21.68 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 22.6  | 33.8  |
| 229     | 20.5  | 16.1  | 24.1  |

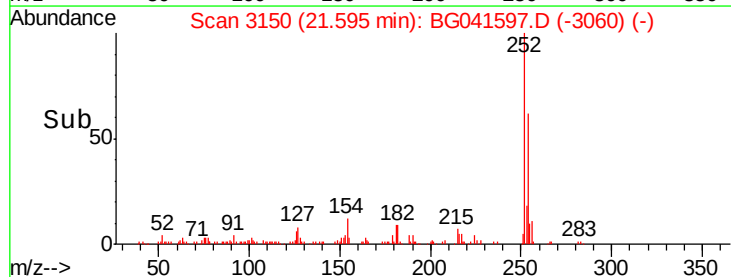
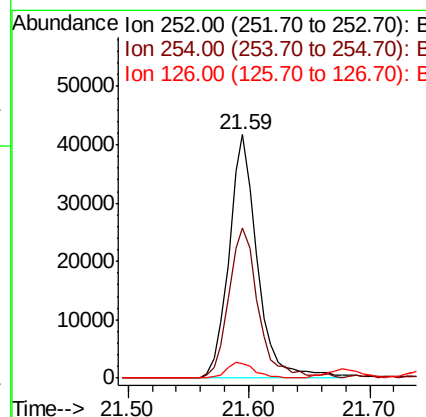
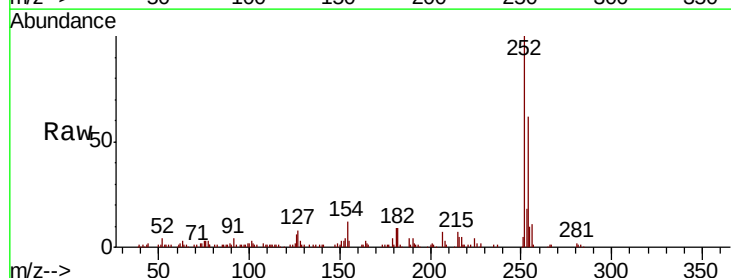
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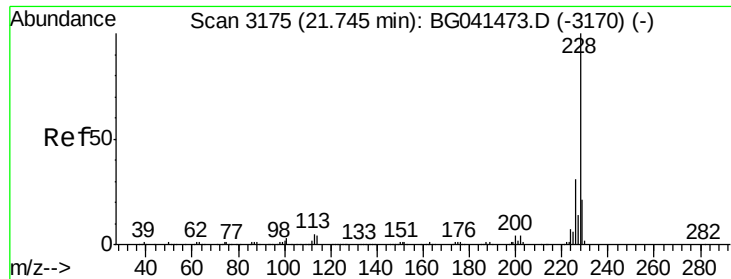
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#82  
3,3'-Dichlorobenzidine  
Concen: 12.659 ng  
RT: 21.59 min Scan# 3150  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.6  | 50.4  | 75.6  |
| 126     | 5.8   | 4.9   | 7.3   |





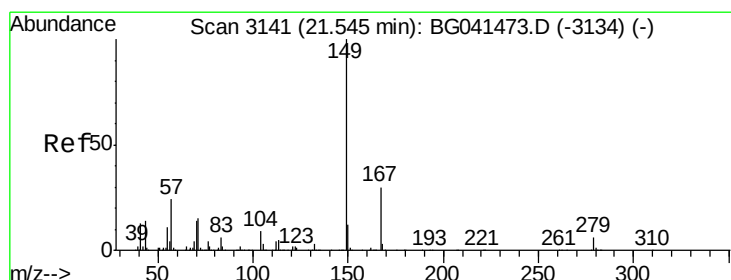
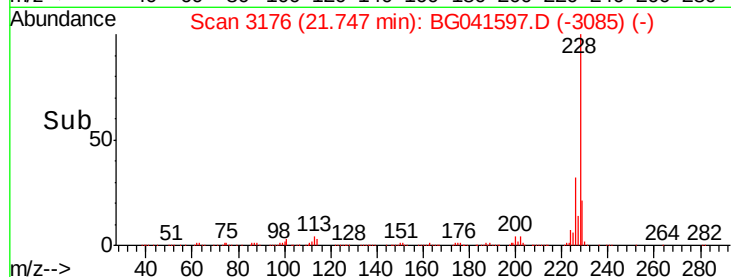
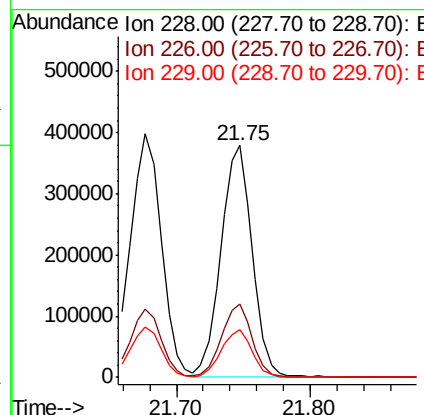
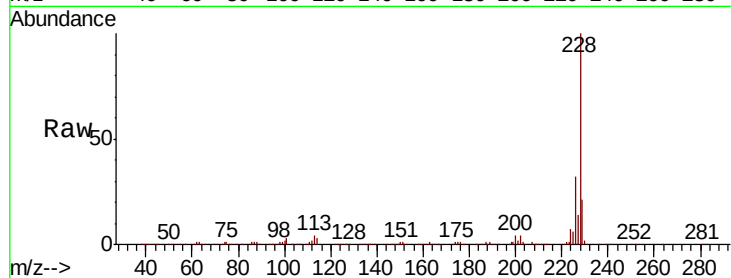
#83  
Chrysene  
Concen: 41.554 ng  
RT: 21.75 min Scan# 3176  
Delta R.T. 0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.9  | 25.0  | 37.4  |
| 229     | 20.8  | 16.8  | 25.2  |

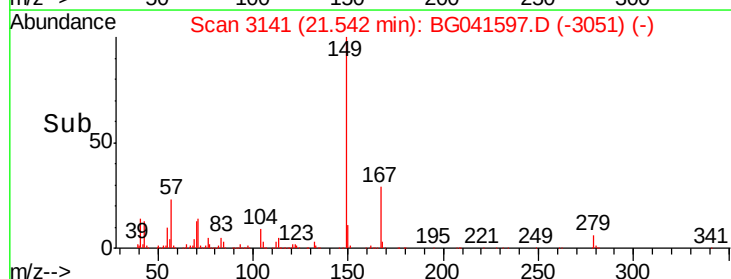
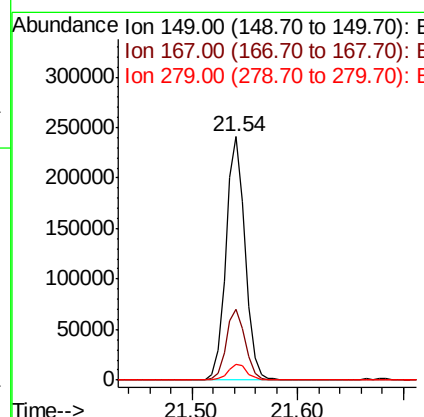
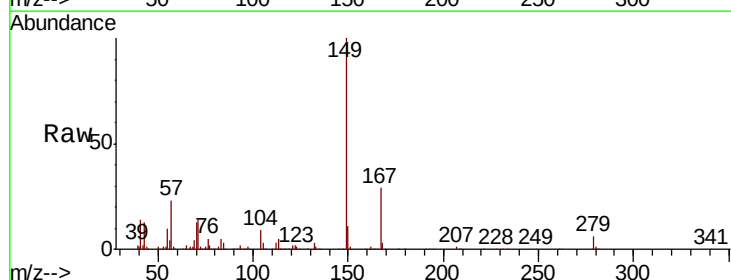
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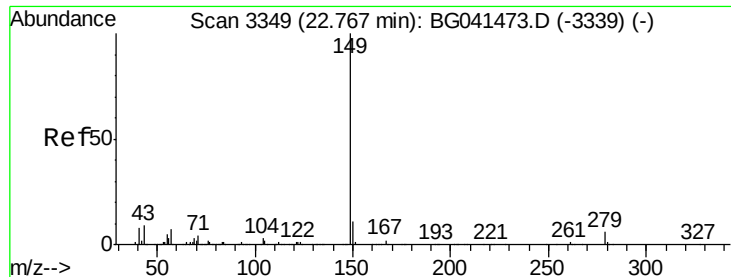
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 37.907 ng  
RT: 21.54 min Scan# 3141  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.3  | 23.6  | 35.4  |
| 279     | 6.4   | 5.0   | 7.6   |





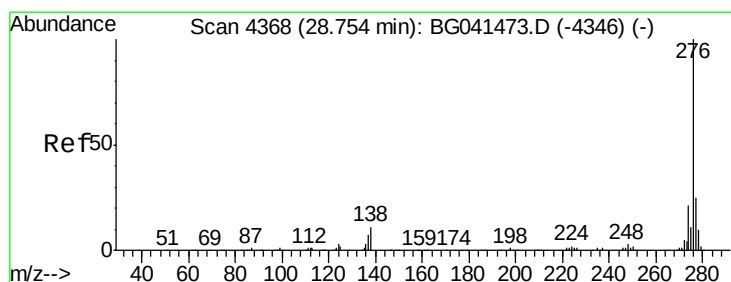
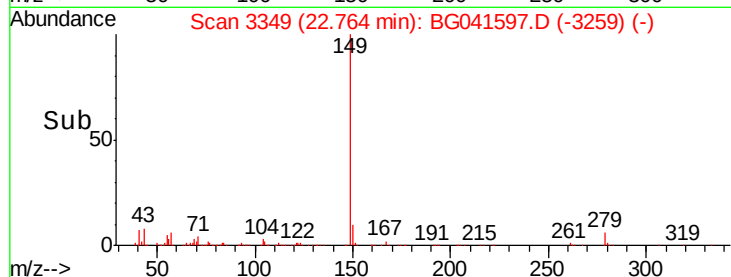
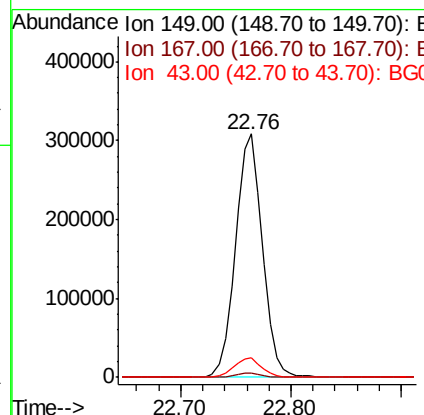
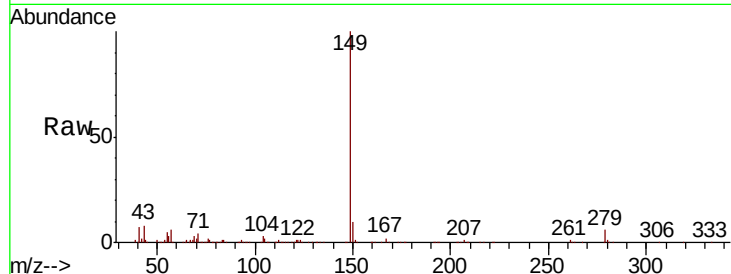
#85  
Di-n-octyl phthalate  
Concen: 38.893 ng  
RT: 22.76 min Scan# 3349  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 527226 |       |       |
| 167     | 1.7   |        | 1.4   | 2.2   |
| 43      | 8.4   |        | 7.2   | 10.8  |

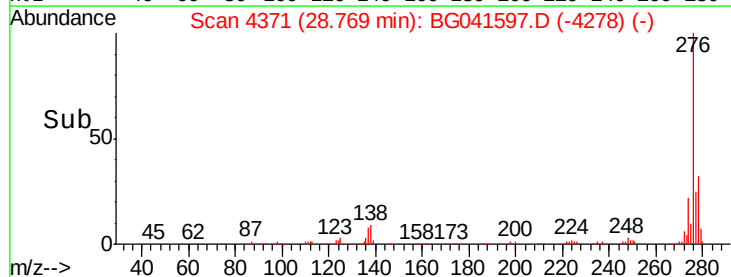
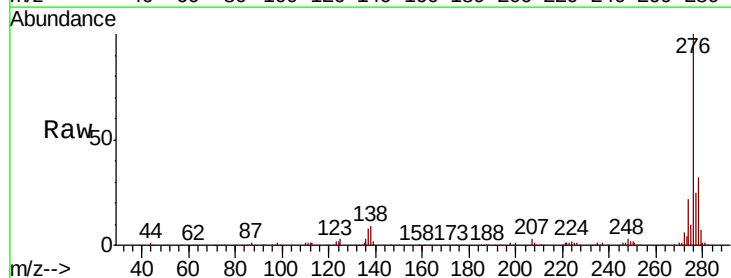
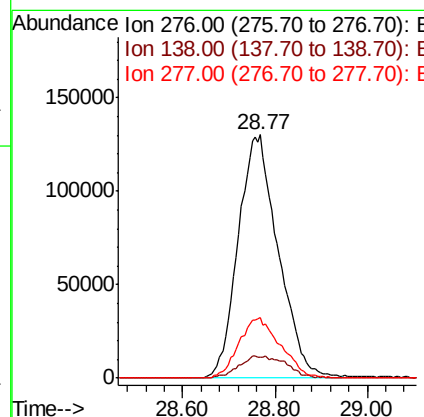
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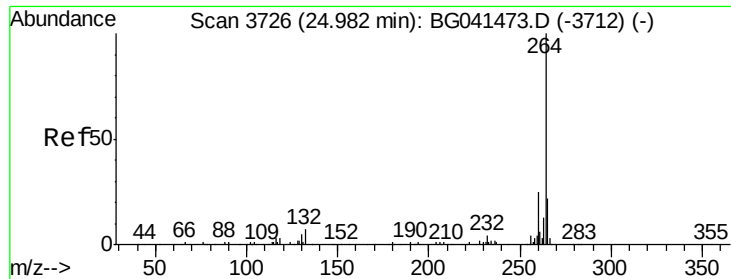
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 43.550 ng  
RT: 28.77 min Scan# 4371  
Delta R.T. 0.01 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 786492 |       |       |
| 138     | 4.5   |        | 4.9   | 7.3#  |
| 277     | 25.6  |        | 20.4  | 30.6  |





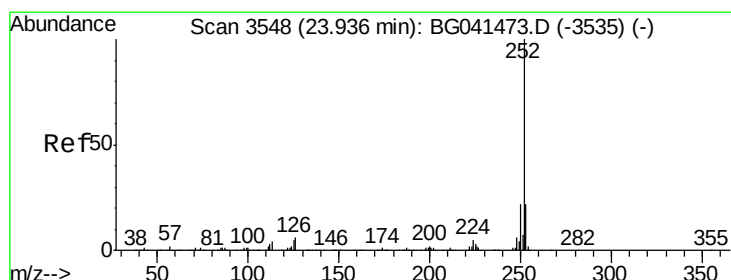
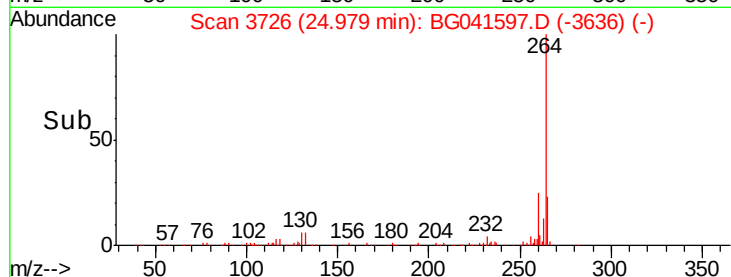
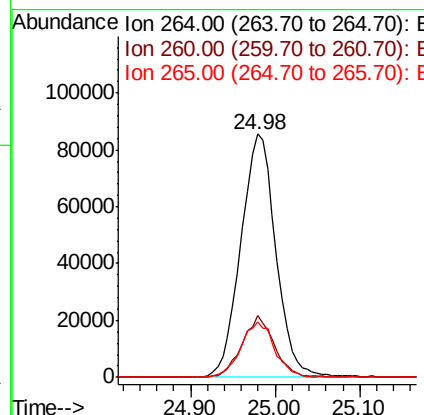
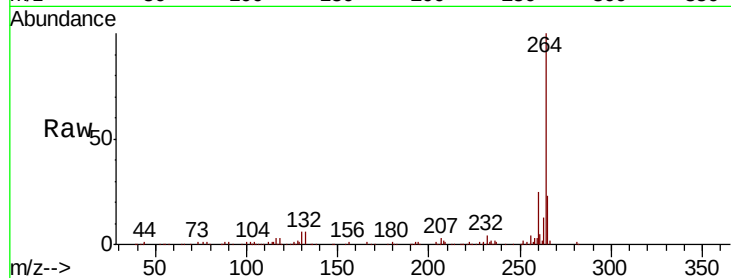
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.98 min Scan# 3726  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 19.7  | 29.5  |
| 265     | 22.9  | 17.4  | 26.2  |

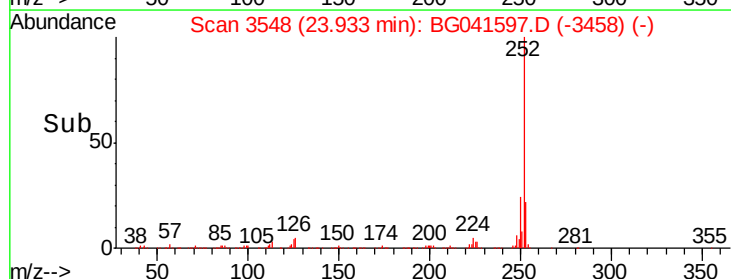
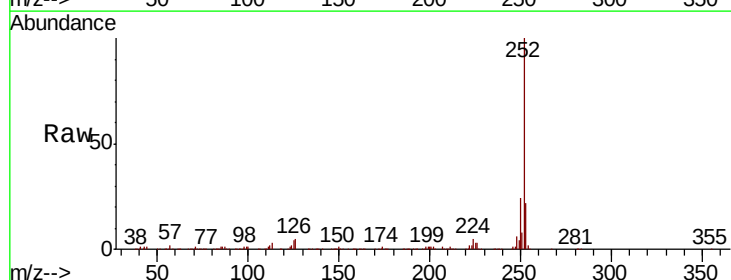
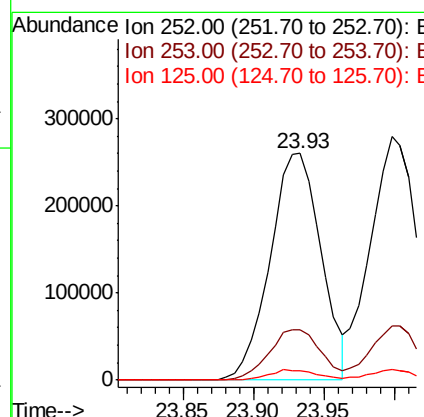
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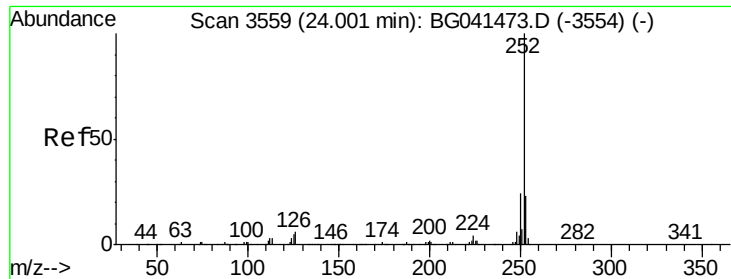


#88  
Benzo(b)fluoranthene  
Concen: 41.834 ng  
RT: 23.93 min Scan# 3548  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 18.0  | 27.0  |
| 125     | 4.1   | 3.8   | 5.8   |







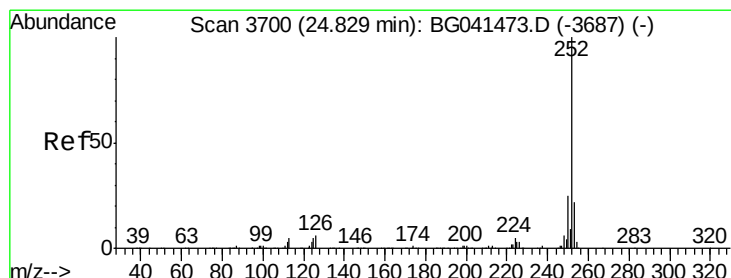
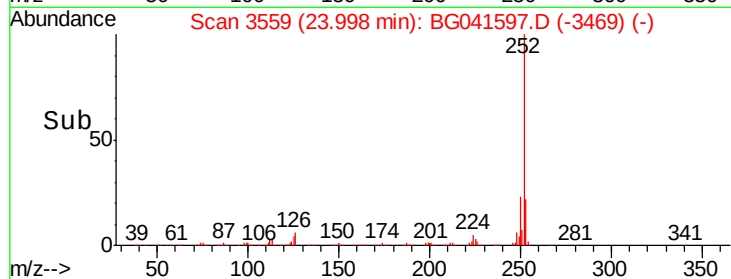
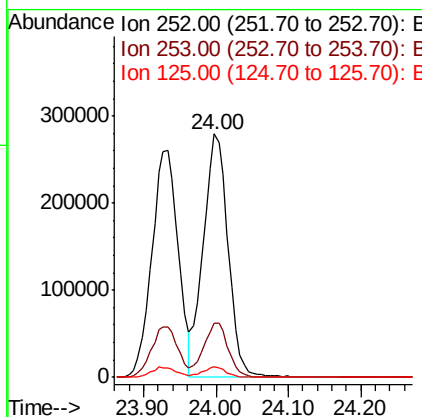
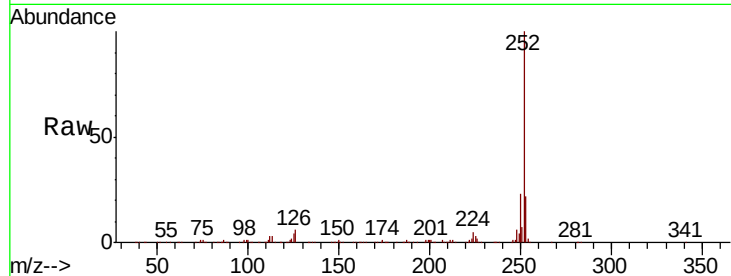
#89  
Benzo(k)fluoranthene  
Concen: 42.927 ng  
RT: 24.00 min Scan# 3559  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.3  | 27.5  |
| 125     | 4.2   | 4.0   | 6.0   |

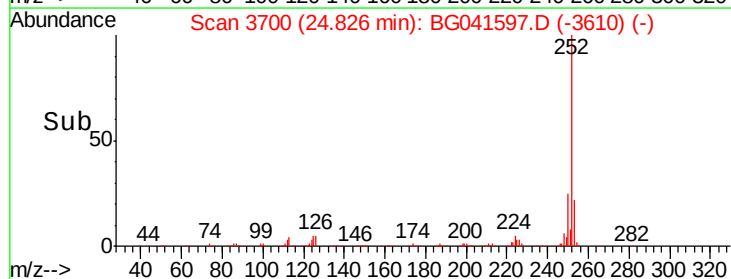
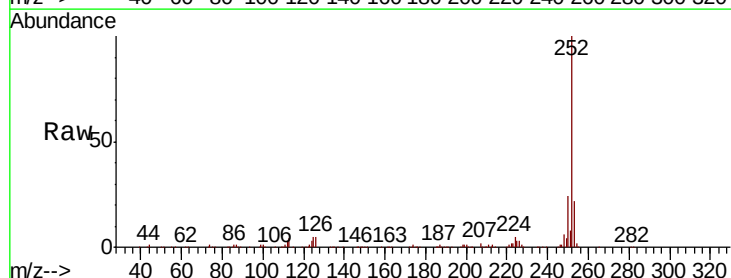
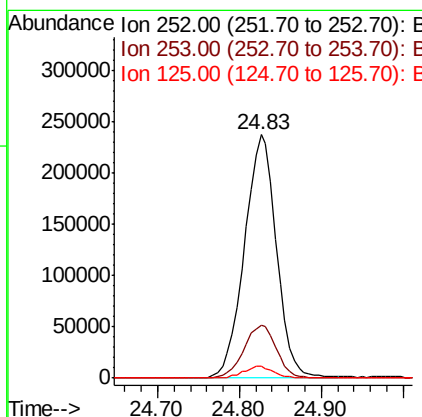
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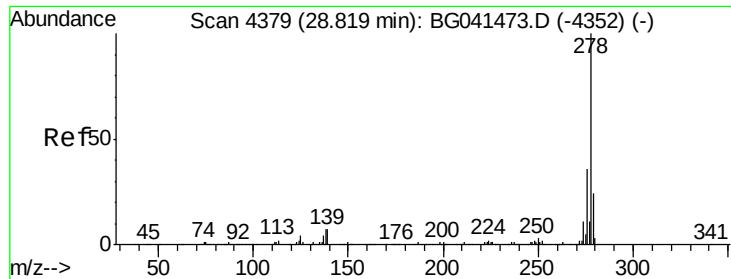
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#90  
Benzo(a)pyrene  
Concen: 43.305 ng  
RT: 24.83 min Scan# 3700  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.5  | 26.3  |
| 125     | 4.7   | 4.4   | 6.6   |





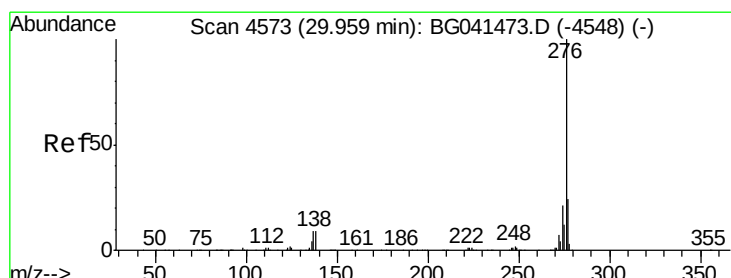
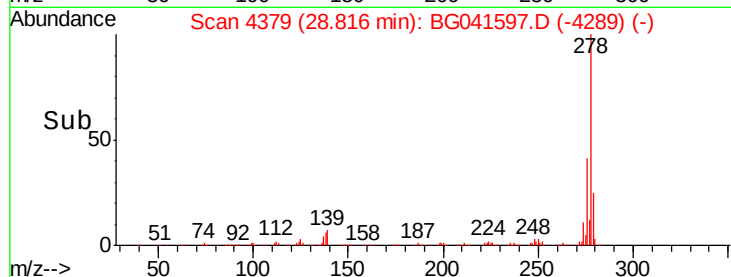
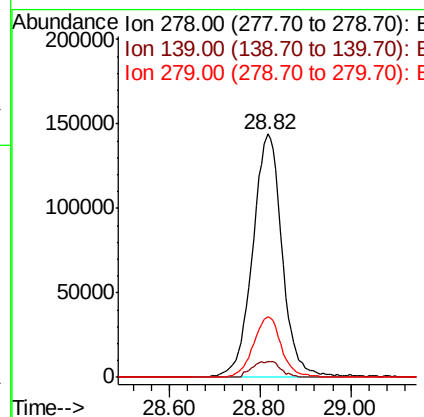
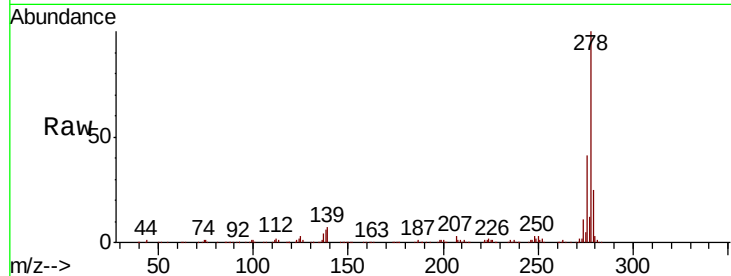
#91  
Dibenzo(a,h)anthracene  
Concen: 43.452 ng  
RT: 28.82 min Scan# 4379  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

Instrument :  
BNA\_G  
ClientSampleId :  
HD-01-070219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 6.6   | 5.9   | 8.9   |
| 279     | 24.8  | 18.9  | 28.3  |

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#92  
Benzo(g,h,i)perylene  
Concen: 43.660 ng  
RT: 29.96 min Scan# 4573  
Delta R.T. -0.00 min  
Lab File: BG041597.D  
Acq: 3 Jul 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.3  | 19.4  | 29.2  |
| 138     | 8.6   | 7.6   | 11.4  |

