

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020221\  
 Data File : BG048078.D  
 Acq On : 2 Feb 2021 15:50  
 Operator : CG/JU  
 Sample : PB134420BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB134420BS

Manual Integrations  
 APPROVED

mohammad  
 2/3/2021 11:04:13 AM

Quant Time: Feb 02 16:28:29 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 02 15:30:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.117  | 152  | 36611    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.932 | 136  | 147728   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.739 | 164  | 112224   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.483 | 188  | 310868   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.760 | 240  | 335400   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.039 | 264  | 328073   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.673  | 112  | 312966   | 131.38 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.271  | 99   | 446251   | 123.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.281  | 82   | 257008   | 68.84  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.225 | 330  | 254019   | 135.90 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.370 | 172  | 610253   | 70.31  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.086 | 244  | 1315145  | 67.99  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.552  | 88   | 42477    | 40.00  | ng    | # 92     |
| 3) Pyridine                   | 3.958  | 79   | 127500   | 40.00  | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.864  | 42   | 66303    | 45.02  | ng    | # 77     |
| 6) Aniline                    | 7.436  | 93   | 144978   | 33.13  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.683  | 128  | 116353   | 46.66  | ng    | 88       |
| 9) Benzaldehyde               | 7.248  | 77   | 56726    | 30.53  | ng    | 81       |
| 10) Phenol                    | 7.295  | 94   | 165565   | 47.69  | ng    | 76       |
| 11) bis(2-Chloroethyl)ether   | 7.530  | 93   | 115189   | 42.36  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 8.006  | 146  | 127763   | 42.45  | ng    | # 90     |
| 13) 1,4-Dichlorobenzene       | 8.153  | 146  | 130974   | 43.41  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.476  | 146  | 120964m  | 42.00  | ng    |          |
| 15) Benzyl Alcohol            | 8.352  | 79   | 136123   | 44.42  | ng    | # 85     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.640  | 45   | 147114   | 38.55  | ng    | 95       |
| 17) 2-Methylphenol            | 8.552  | 107  | 108459   | 46.22  | ng    | # 86     |
| 18) Hexachloroethane          | 9.210  | 117  | 48236    | 40.98  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.922  | 70   | 108771   | 41.14  | ng    | # 95     |
| 20) 3+4-Methylphenols         | 8.881  | 107  | 147315   | 45.38  | ng    | 92       |
| 22) Acetophenone              | 8.940  | 105  | 190277   | 41.79  | ng    | # 93     |
| 24) Nitrobenzene              | 9.322  | 77   | 161679   | 43.24  | ng    | # 84     |
| 25) Isophorone                | 9.851  | 82   | 286588   | 42.77  | ng    | 94       |
| 26) 2-Nitrophenol             | 10.039 | 139  | 68752    | 44.69  | ng    | # 73     |
| 27) 2,4-Dimethylphenol        | 10.092 | 122  | 117651   | 52.63  | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 10.327 | 93   | 161207   | 39.99  | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.573 | 162  | 138354   | 48.10  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.791 | 180  | 142328   | 40.93  | ng    | 97       |
| 31) Naphthalene               | 10.979 | 128  | 357723   | 41.88  | ng    | 99       |
| 32) Benzoic acid              | 10.185 | 122  | 37211    | 18.59  | ng    | # 77     |
| 33) 4-Chloroaniline           | 11.084 | 127  | 100179   | 25.66  | ng    | 93       |
| 34) Hexachlorobutadiene       | 11.267 | 225  | 101187   | 40.97  | ng    | 98       |
| 35) Caprolactam               | 11.854 | 113  | 51821m   | 47.33  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.195 | 107  | 152963   | 47.40  | ng    | 92       |
| 37) 2-Methylnaphthalene       | 12.577 | 142  | 271836   | 42.14  | ng    | # 91     |
| 38) 1-Methylnaphthalene       | 12.794 | 142  | 262278   | 42.61  | ng    | # 98     |
| 40) 1,2,4,5-Tetrachloroben... | 12.941 | 216  | 185108   | 43.27  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 12.923 | 237  | 246875   | 101.87 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.176 | 196  | 139000   | 46.58  | ng    | 97       |

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Manual Integrations  
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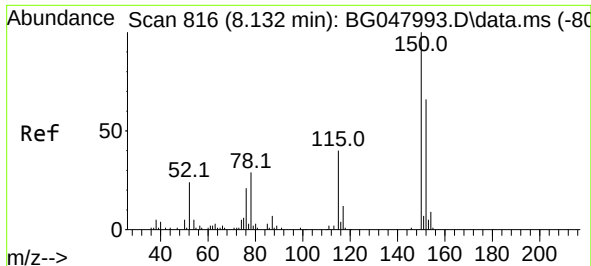
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 2/3/2021 11:04:13 AM

Quant Time: Feb 02 16:28:29 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012521.M  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |    |
|-------------------------------|--------|------|----------|-------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 13.247 | 196  | 151794   | 49.09 | ng    | #        | 95 |
| 46) 1,1'-Biphenyl             | 13.576 | 154  | 373895   | 43.10 | ng    |          | 99 |
| 47) 2-Chloronaphthalene       | 13.623 | 162  | 308241   | 40.83 | ng    |          | 98 |
| 48) 2-Nitroaniline            | 13.817 | 65   | 117533   | 42.89 | ng    | #        | 76 |
| 49) Acenaphthylene            | 14.463 | 152  | 476420   | 42.75 | ng    |          | 99 |
| 50) Dimethylphthalate         | 14.193 | 163  | 435585   | 42.88 | ng    |          | 98 |
| 51) 2,6-Dinitrotoluene        | 14.310 | 165  | 98331    | 46.57 | ng    | #        | 76 |
| 52) Acenaphthene              | 14.809 | 154  | 357111m  | 47.34 | ng    |          |    |
| 53) 3-Nitroaniline            | 14.639 | 138  | 68023    | 29.37 | ng    | #        | 75 |
| 54) 2,4-Dinitrophenol         | 14.839 | 184  | 103554   | 78.43 | ng    | #        | 73 |
| 55) Dibenzofuran              | 15.139 | 168  | 499593   | 43.66 | ng    |          | 96 |
| 56) 4-Nitrophenol             | 14.939 | 139  | 175273   | 96.98 | ng    | #        | 52 |
| 57) 2,4-Dinitrotoluene        | 15.092 | 165  | 142452   | 46.71 | ng    | #        | 76 |
| 58) Fluorene                  | 15.785 | 166  | 413402   | 44.94 | ng    |          | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.362 | 232  | 155645m  | 50.34 | ng    |          |    |
| 60) Diethylphthalate          | 15.550 | 149  | 459147   | 43.97 | ng    |          | 95 |
| 61) 4-Chlorophenyl-phenyle... | 15.779 | 204  | 244988   | 43.49 | ng    |          | 99 |
| 62) 4-Nitroaniline            | 15.802 | 138  | 104486   | 41.41 | ng    | #        | 58 |
| 63) Azobenzene                | 16.073 | 77   | 436712   | 44.43 | ng    |          | 92 |
| 65) 4,6-Dinitro-2-methylph... | 15.855 | 198  | 93907    | 46.81 | ng    |          | 90 |
| 66) n-Nitrosodiphenylamine    | 15.990 | 169  | 395701   | 42.36 | ng    |          | 99 |
| 67) 4-Bromophenyl-phenylether | 16.672 | 248  | 169317   | 40.76 | ng    |          | 97 |
| 68) Hexachlorobenzene         | 16.790 | 284  | 186570   | 41.30 | ng    |          | 99 |
| 69) Atrazine                  | 16.931 | 200  | 143122   | 40.33 | ng    |          | 98 |
| 70) Pentachlorophenol         | 17.130 | 266  | 239310   | 87.24 | ng    |          | 98 |
| 71) Phenanthrene              | 17.530 | 178  | 764755   | 42.64 | ng    |          | 97 |
| 72) Anthracene                | 17.618 | 178  | 770230   | 43.67 | ng    |          | 98 |
| 73) Carbazole                 | 17.882 | 167  | 712788   | 43.30 | ng    |          | 98 |
| 74) Di-n-butylphthalate       | 18.441 | 149  | 843894   | 41.98 | ng    | #        | 98 |
| 75) Fluoranthene              | 19.527 | 202  | 1032268  | 43.90 | ng    |          | 97 |
| 77) Benzidine                 | 19.704 | 184  | 346164   | 35.78 | ng    |          | 98 |
| 78) Pyrene                    | 19.892 | 202  | 1021463  | 41.59 | ng    |          | 98 |
| 80) Butylbenzylphthalate      | 20.773 | 149  | 375263   | 40.00 | ng    |          | 93 |
| 81) Benzo(a)anthracene        | 21.743 | 228  | 1029510  | 42.24 | ng    |          | 98 |
| 82) 3,3'-Dichlorobenzidine    | 21.654 | 252  | 266265   | 32.42 | ng    | #        | 99 |
| 83) Chrysene                  | 21.807 | 228  | 986477   | 42.59 | ng    |          | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.643 | 149  | 537649   | 41.84 | ng    |          | 96 |
| 85) Di-n-octyl phthalate      | 22.882 | 149  | 908939   | 42.29 | ng    | #        | 96 |
| 87) Indeno(1,2,3-cd)pyrene    | 28.793 | 276  | 1198396  | 45.41 | ng    | #        | 89 |
| 88) Benzo(b)fluoranthene      | 23.999 | 252  | 1064312  | 45.64 | ng    | #        | 96 |
| 89) Benzo(k)fluoranthene      | 24.069 | 252  | 1026844  | 45.32 | ng    | #        | 97 |
| 90) Benzo(a)pyrene            | 24.892 | 252  | 962603   | 43.96 | ng    | #        | 97 |
| 91) Dibenzo(a,h)anthracene    | 28.858 | 278  | 1002769  | 46.04 | ng    | #        | 96 |
| 92) Benzo(g,h,i)perylene      | 29.962 | 276  | 989732   | 47.18 | ng    | #        | 95 |

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





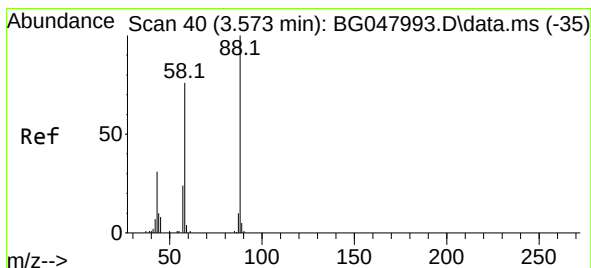
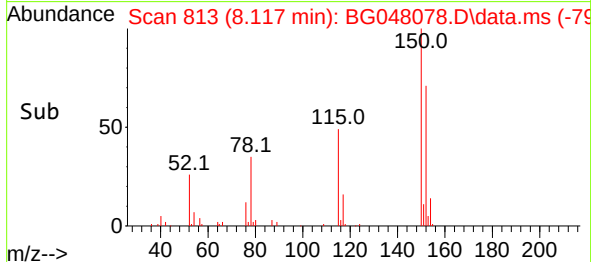
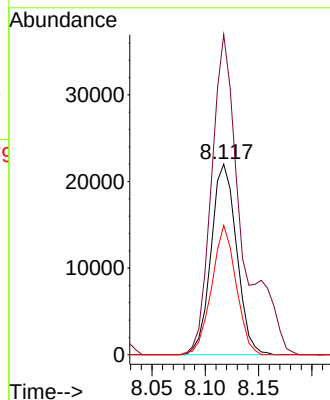
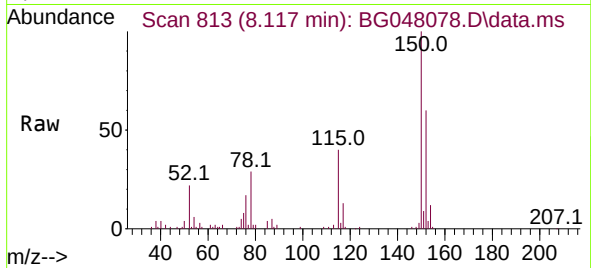
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1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.117 min Scan# 813  
Delta R.T. -0.003 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 152 Resp: 36611  
Ion Ratio Lower Upper  
152 100  
150 168.0 125.0 187.6  
115 67.9 41.8 62.6#

Instrument :  
BNA\_G  
ClientSampled :  
PB134420BS

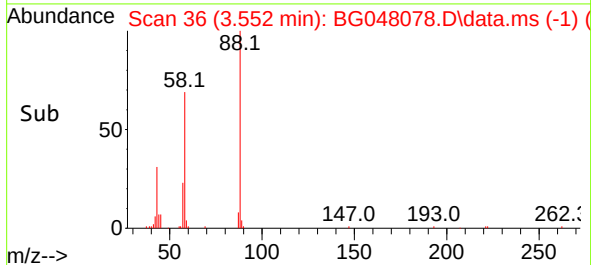
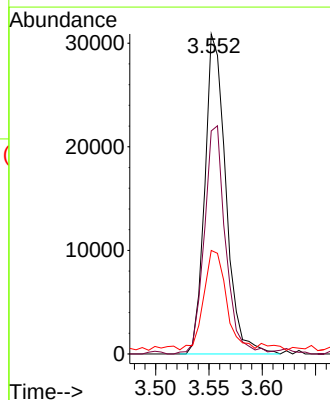
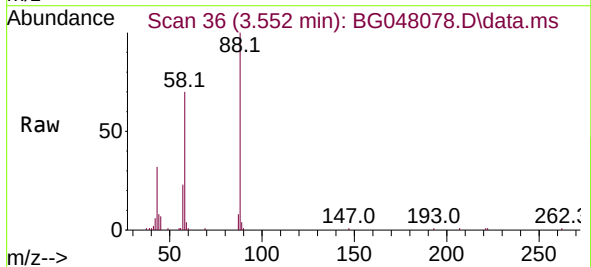
Manual Integrations  
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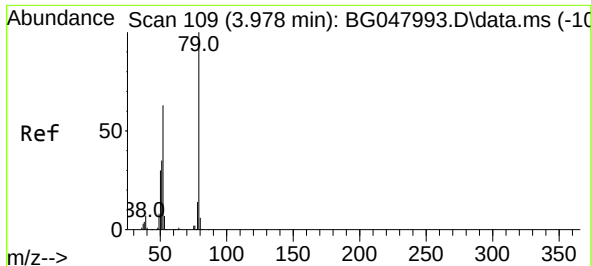
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2/3/2021 11:04:13 AM



#2  
1,4-Dioxane  
Concen: 40.00 ng  
RT: 3.552 min Scan# 36  
Delta R.T. -0.014 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 88 Resp: 42477  
Ion Ratio Lower Upper  
88 100  
58 72.1 61.6 92.4  
43 33.2 21.3 31.9#





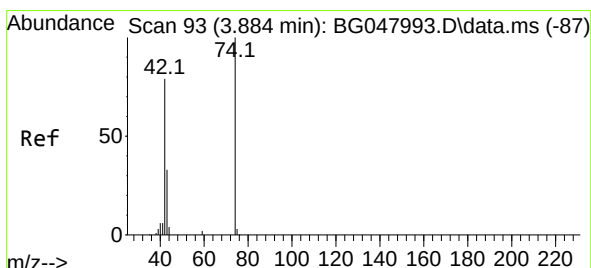
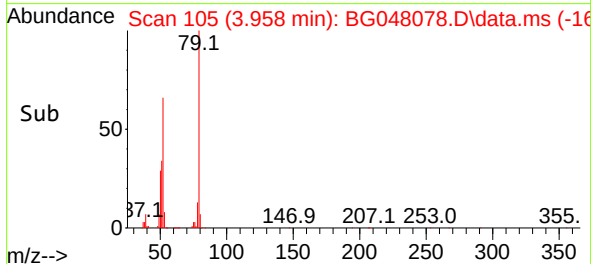
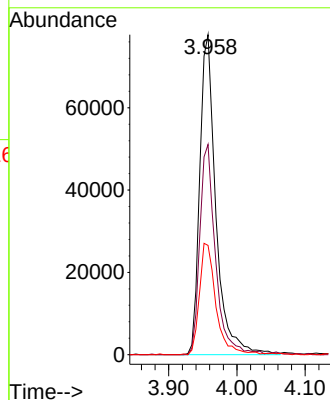
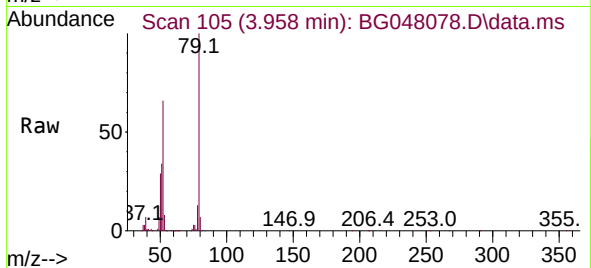
#3  
Pyridine  
Concen: 40.00 ng  
RT: 3.958 min Scan# 105  
Delta R.T. -0.008 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 79 Resp: 127500  
Ion Ratio Lower Upper  
79 100  
52 65.7 61.3 91.9  
51 34.1 28.4 42.6

Instrument :  
BNA\_G  
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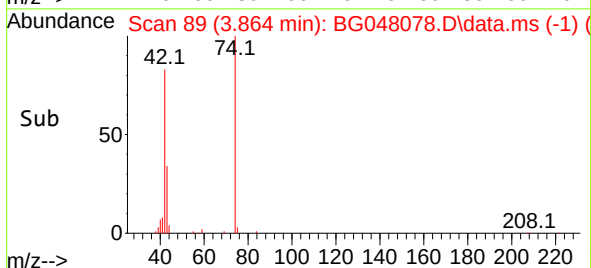
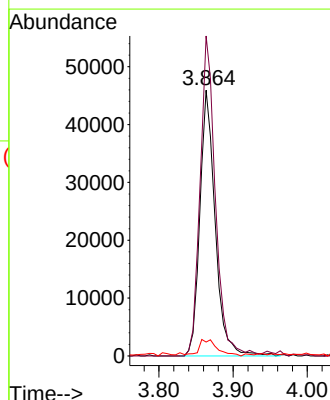
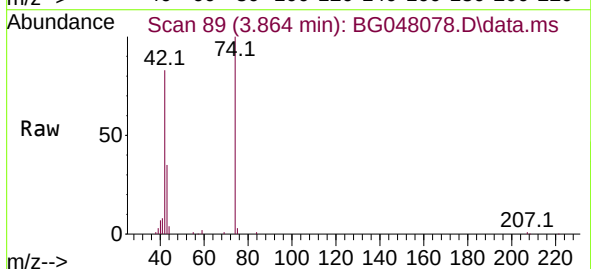
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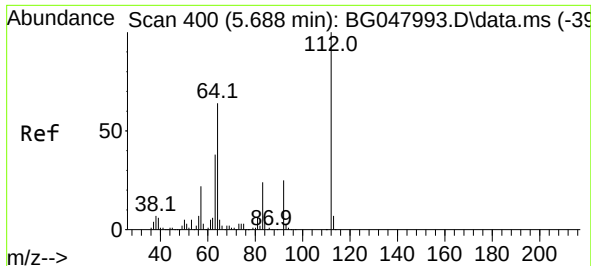
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#4  
n-Nitrosodimethylamine  
Concen: 45.02 ng  
RT: 3.864 min Scan# 89  
Delta R.T. -0.008 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 42 Resp: 66303  
Ion Ratio Lower Upper  
42 100  
74 120.4 120.4 180.6  
44 5.2 6.2 9.2#





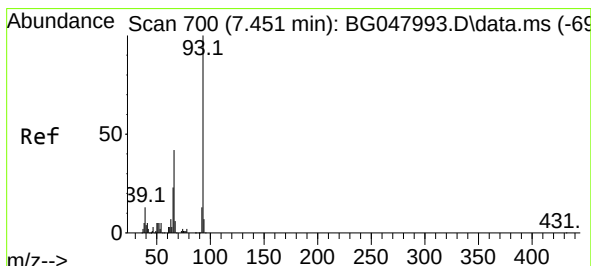
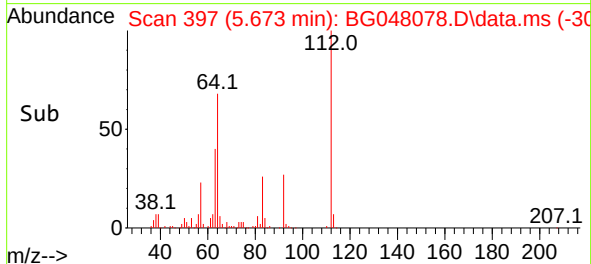
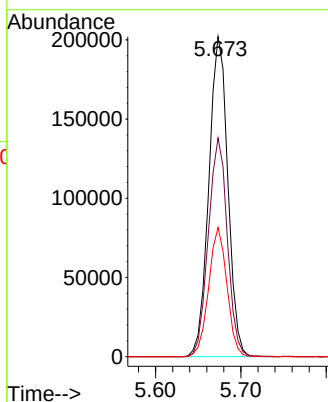
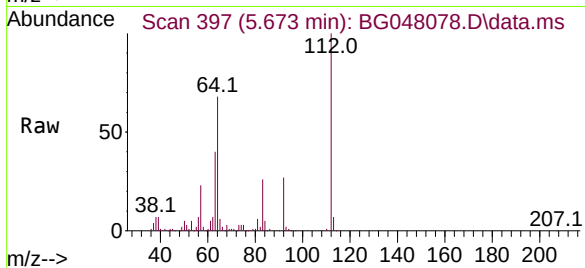
#5  
2-Fluorophenol  
Concen: 131.38 ng  
RT: 5.673 min Scan# 397  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 112 Resp: 312966  
Ion Ratio Lower Upper  
112 100  
64 68.3 46.7 70.1  
63 40.3 22.8 34.2#

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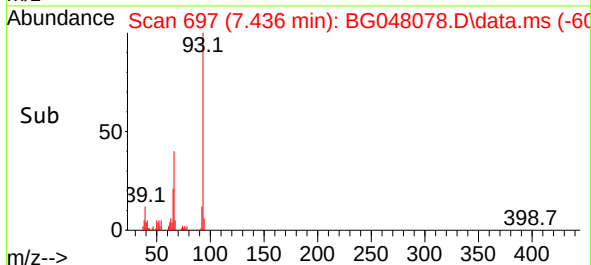
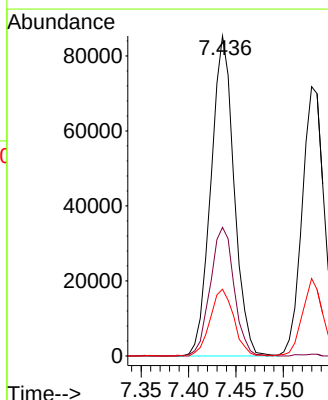
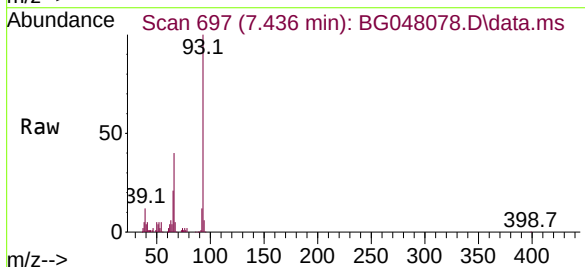
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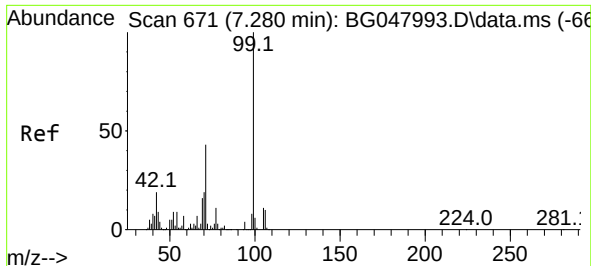
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#6  
Aniline  
Concen: 33.13 ng  
RT: 7.436 min Scan# 697  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

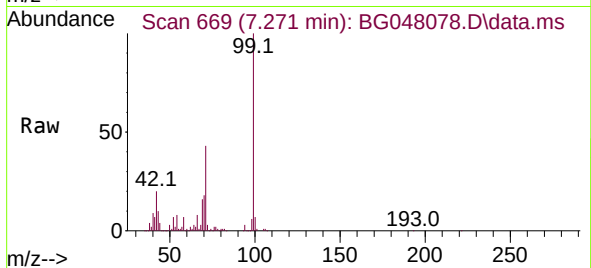
Tgt Ion: 93 Resp: 144978  
Ion Ratio Lower Upper  
93 100  
66 40.2 29.5 44.3  
65 20.9 15.5 23.3





#7  
Phenol-d6  
Concen: 123.21 ng  
RT: 7.271 min Scan# 669  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

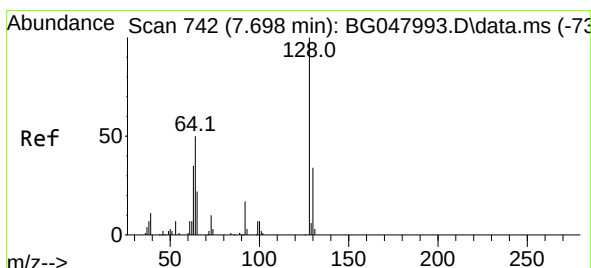
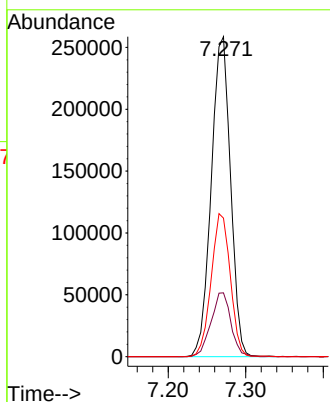
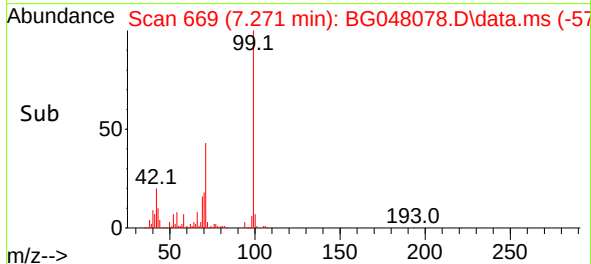
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BNA\_G  
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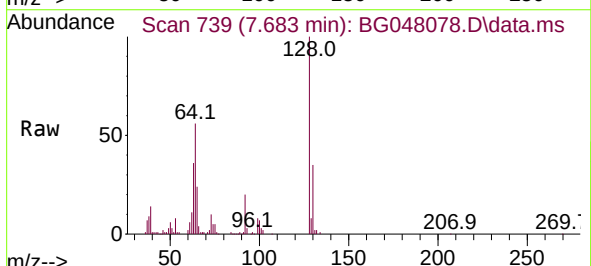
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Ion Ratio Lower Upper  
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71 43.3 24.6 36.8#

Manual Integrations  
APPROVED

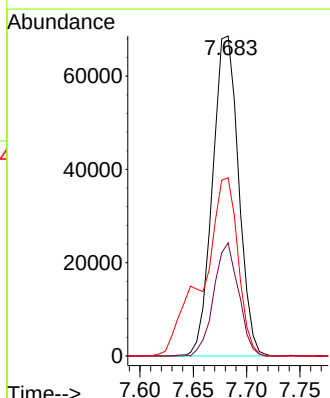
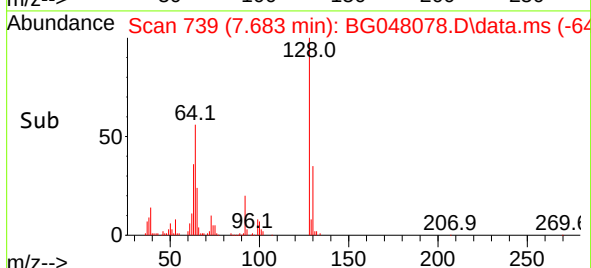
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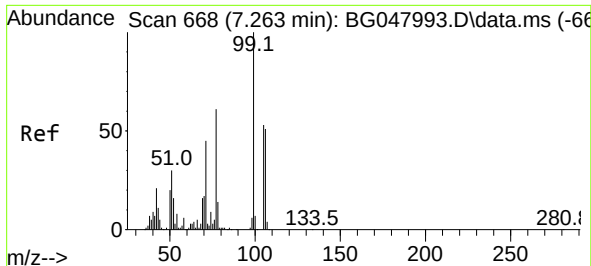


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2-Chlorophenol  
Concen: 46.66 ng  
RT: 7.683 min Scan# 739  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



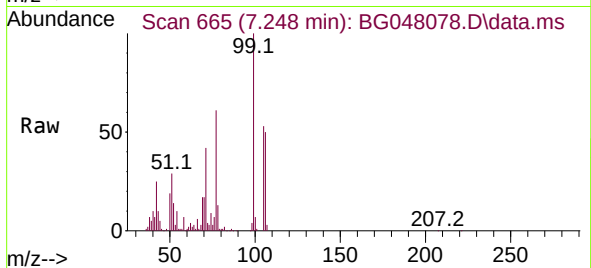
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Ion Ratio Lower Upper  
128 100  
130 35.4 12.6 52.6  
64 55.7 24.8 64.8





#9  
Benzaldehyde  
Concen: 30.53 ng  
RT: 7.248 min Scan# 665  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

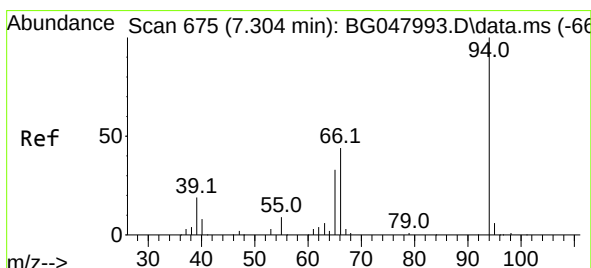
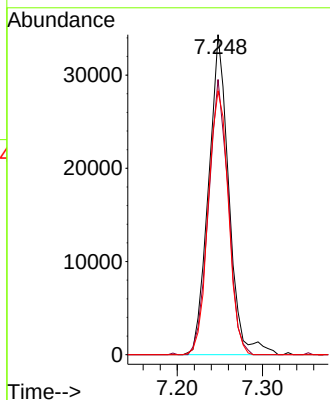
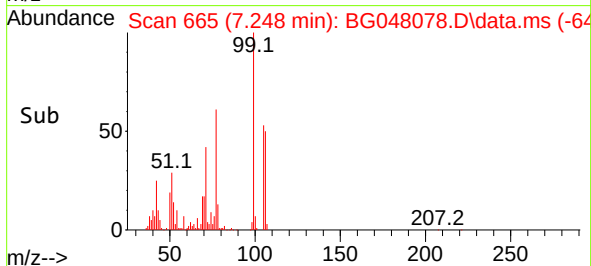
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



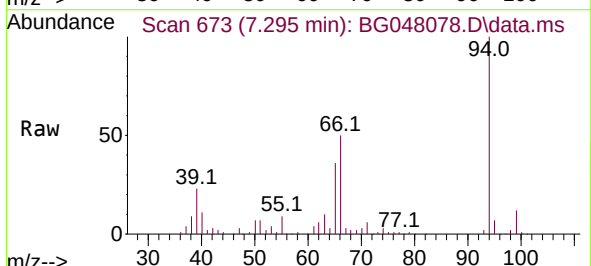
Tgt Ion: 77 Resp: 56726  
Ion Ratio Lower Upper  
77 100  
105 86.0 85.9 125.9  
106 82.4 80.9 120.9

Manual Integrations  
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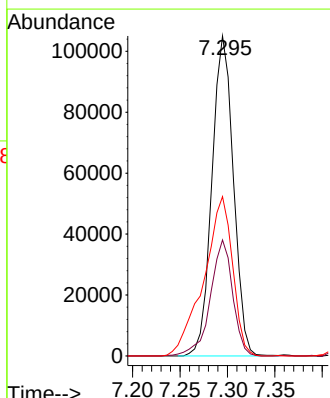
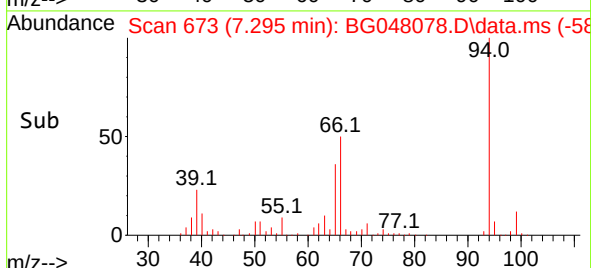
mohammad  
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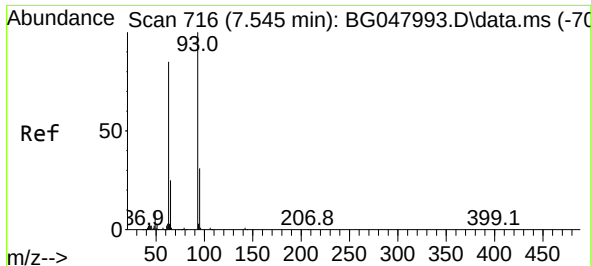
#10  
Phenol  
Concen: 47.69 ng  
RT: 7.295 min Scan# 673  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion: 94 Resp: 165565  
Ion Ratio Lower Upper  
94 100  
65 36.3 6.6 46.6  
66 49.8 13.9 53.9

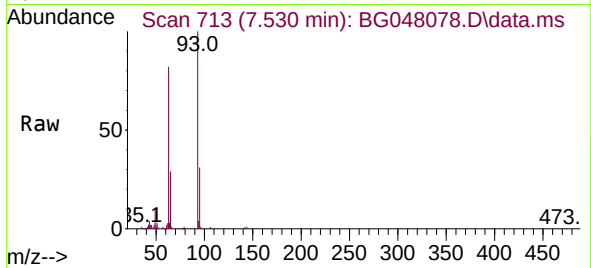






#11  
bis(2-Chloroethyl)ether  
Concen: 42.36 ng  
RT: 7.530 min Scan# 713  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

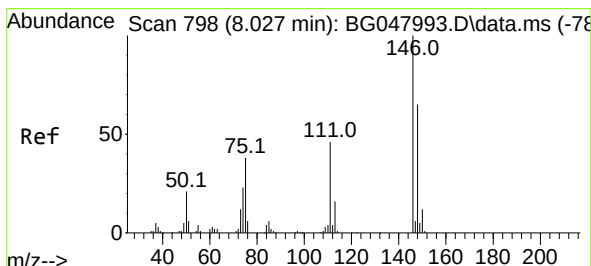
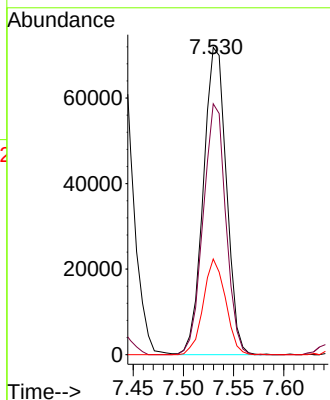
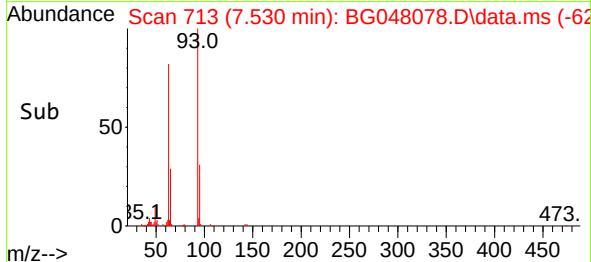
Instrument :  
BNA\_G  
ClientSampleID :  
PB134420BS



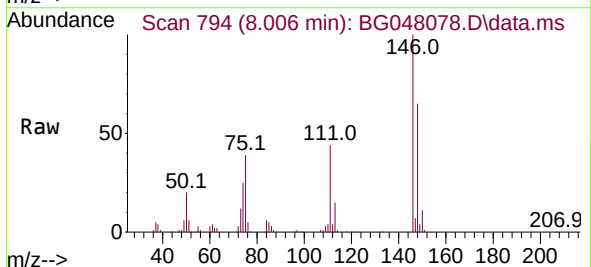
Tgt Ion: 93 Resp: 115189  
Ion Ratio Lower Upper  
93 100  
63 81.7 56.4 96.4  
95 31.2 13.8 53.8

Manual Integrations  
APPROVED

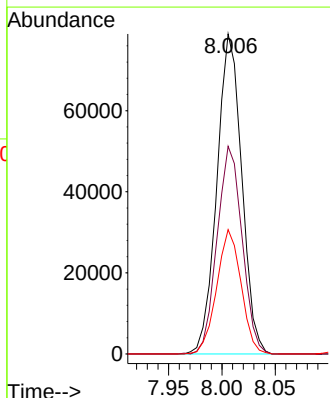
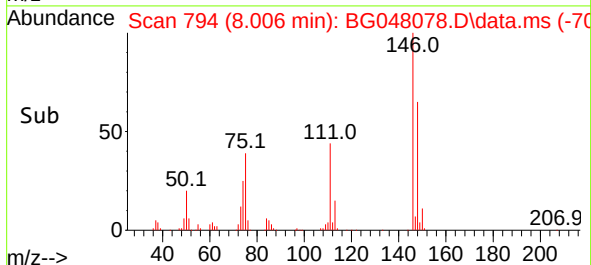
mohammad  
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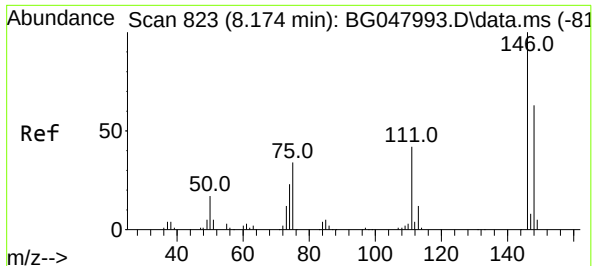


#12  
1,3-Dichlorobenzene  
Concen: 42.45 ng  
RT: 8.006 min Scan# 794  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion: 146 Resp: 127763  
Ion Ratio Lower Upper  
146 100  
148 64.9 50.1 75.1  
75 38.9 20.1 30.1#





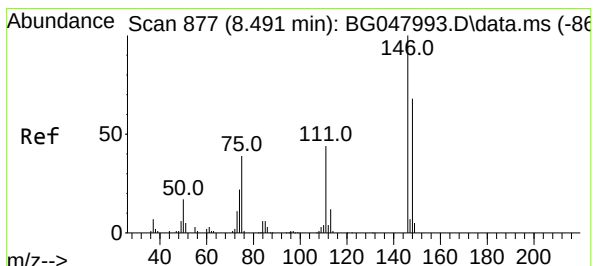
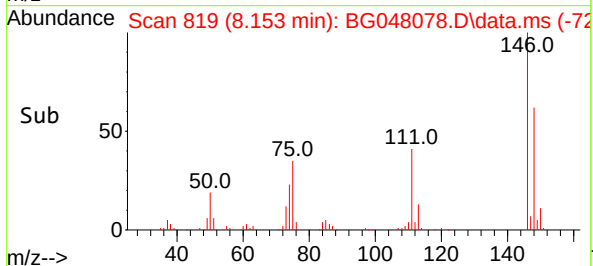
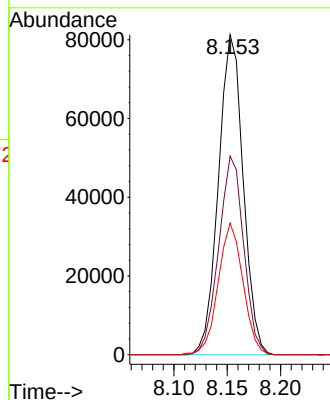
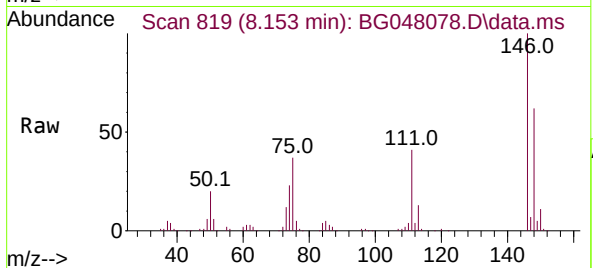
#13  
1,4-Dichlorobenzene  
Concen: 43.41 ng  
RT: 8.153 min Scan# 819  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:146 Resp: 130974  
Ion Ratio Lower Upper  
146 100  
148 62.1 51.1 76.7  
111 41.1 29.7 44.5

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

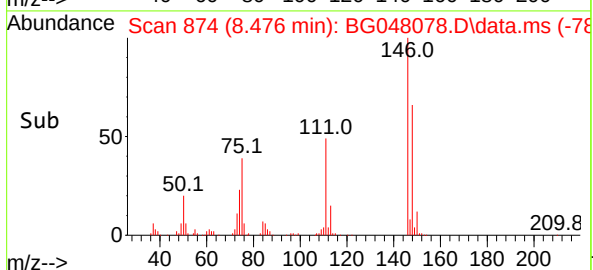
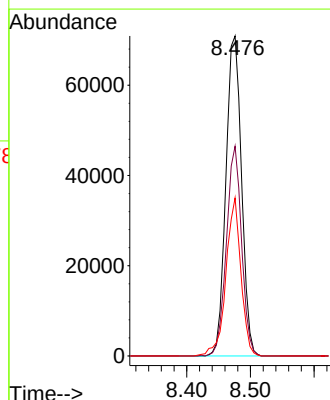
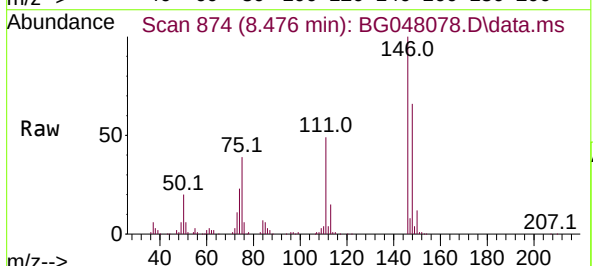
Manual Integrations  
APPROVED

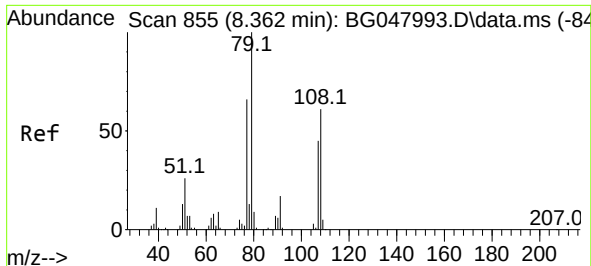
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#14  
1,2-Dichlorobenzene  
Concen: 42.00 ng m  
RT: 8.476 min Scan# 874  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

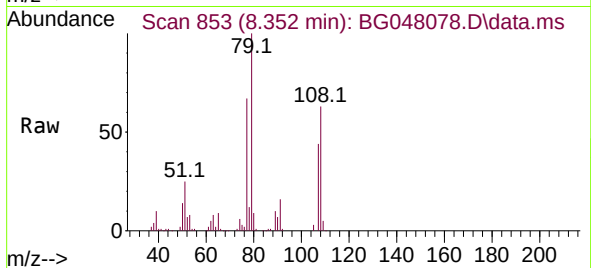
Tgt Ion:146 Resp: 120964  
Ion Ratio Lower Upper  
146 100  
148 65.5 53.0 79.6  
111 49.4 30.7 46.1#





#15  
Benzyl Alcohol  
Concen: 44.42 ng  
RT: 8.352 min Scan# 853  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

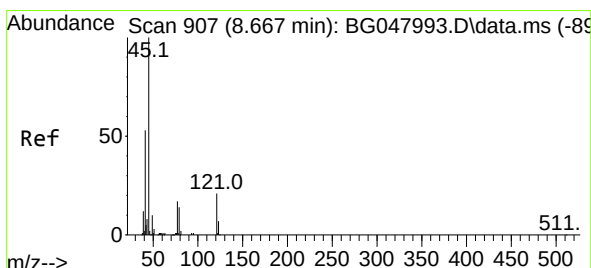
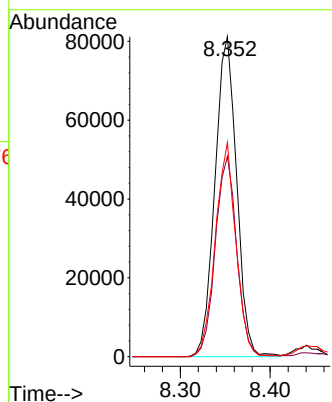
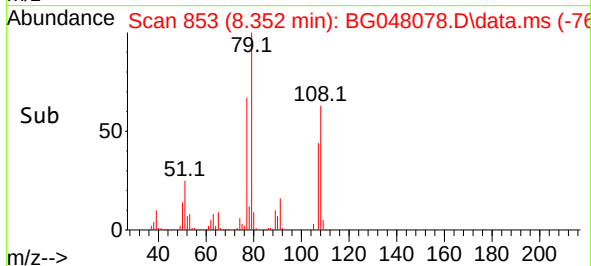
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



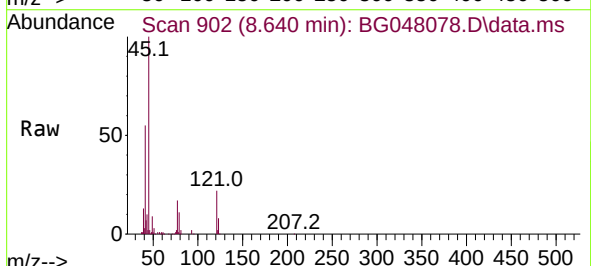
Tgt Ion: 79 Resp: 136123  
Ion Ratio Lower Upper  
79 100  
108 62.6 65.5 98.3#  
77 66.9 50.1 75.1

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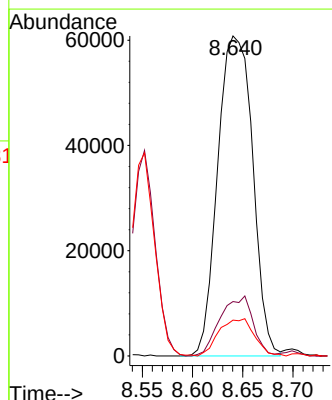
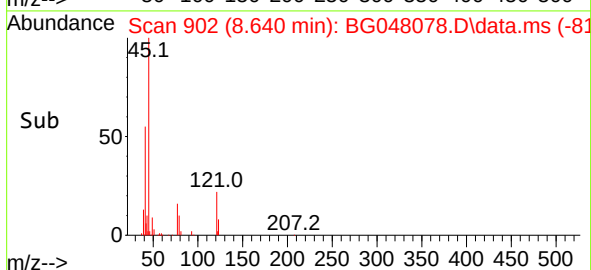
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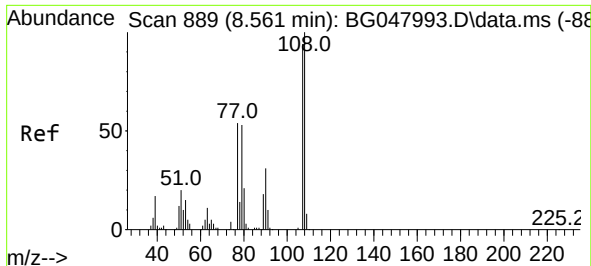


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.55 ng  
RT: 8.640 min Scan# 902  
Delta R.T. -0.008 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



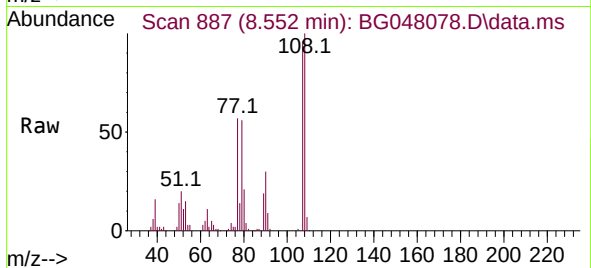
Tgt Ion: 45 Resp: 147114  
Ion Ratio Lower Upper  
45 100  
77 17.0 0.0 33.4  
79 11.2 0.0 30.8





#17  
2-Methylphenol  
Concen: 46.22 ng  
RT: 8.552 min Scan# 887  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

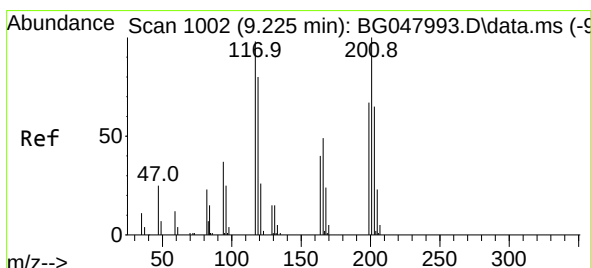
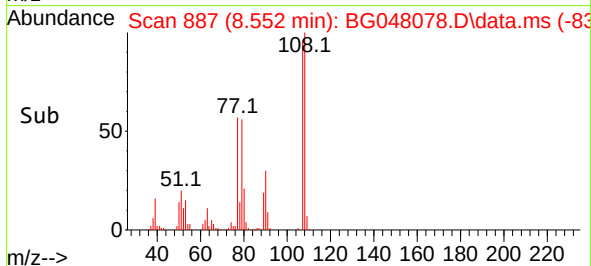
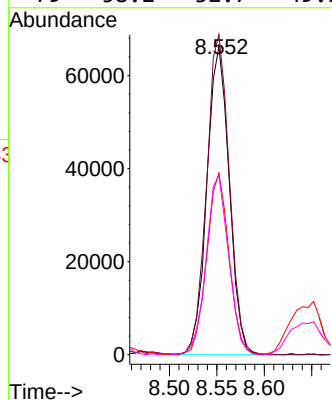
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 108459 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 103.8 | 87.2  | 130.8  |
| 77       | 58.9  | 33.8  | 50.8#  |
| 79       | 58.2  | 32.7  | 49.1#  |

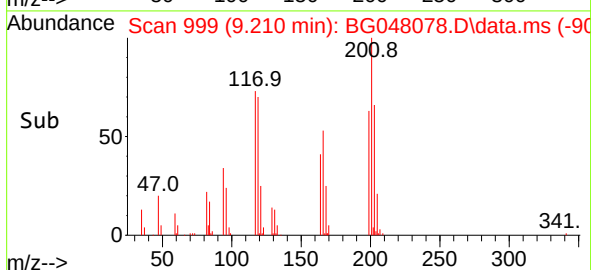
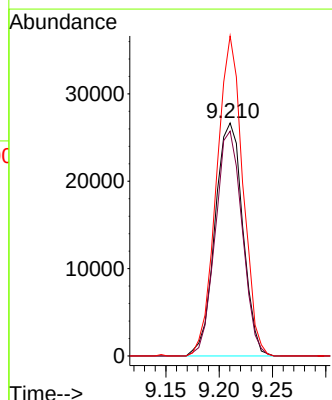
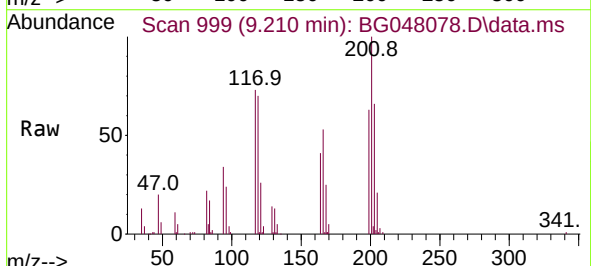
Manual Integrations  
APPROVED

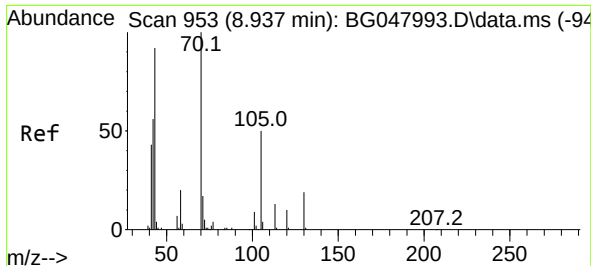
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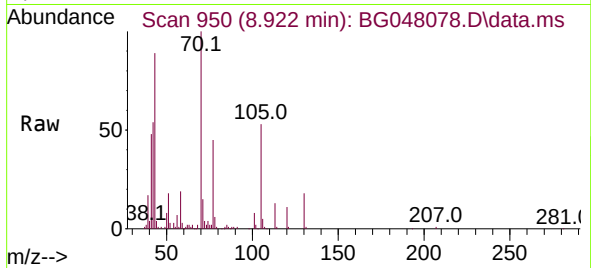
#18  
Hexachloroethane  
Concen: 40.98 ng  
RT: 9.210 min Scan# 999  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 48236 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.5  | 77.5  | 116.3 |
| 201      | 137.4 | 104.9 | 157.3 |

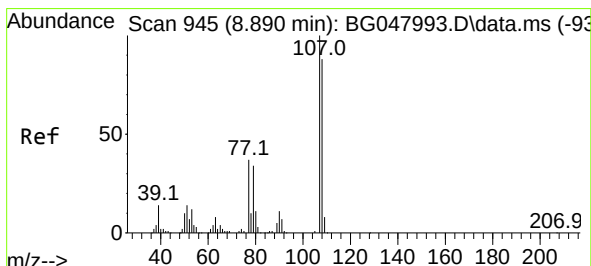
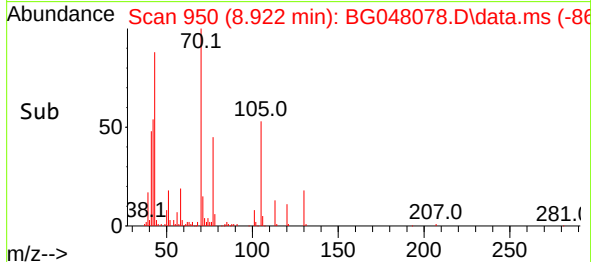
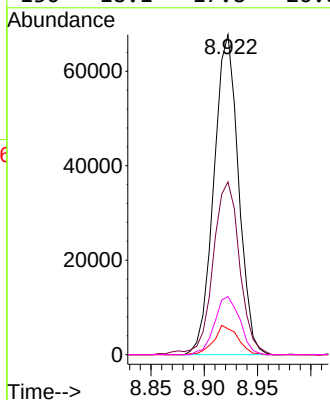




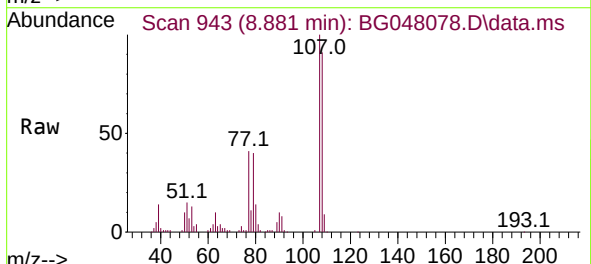
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.14 ng  
RT: 8.922 min Scan# 950  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



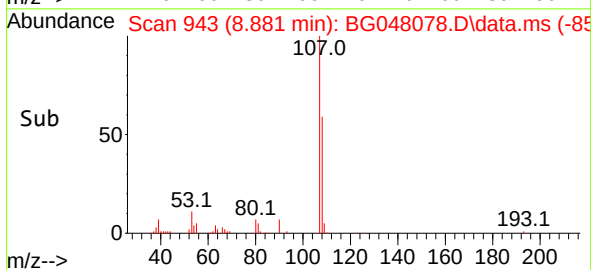
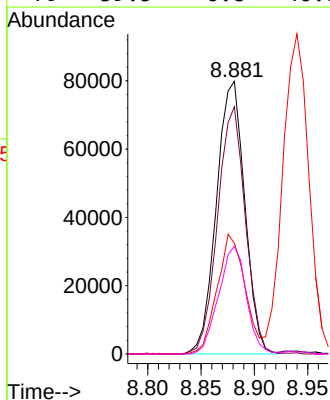
Tgt Ion: 70 Resp: 108771  
Ion Ratio Lower Upper  
70 100  
42 54.0 45.6 68.4  
101 8.1 8.4 12.6#  
130 18.1 17.8 26.8



#20  
3+4-Methylphenols  
Concen: 45.38 ng  
RT: 8.881 min Scan# 943  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



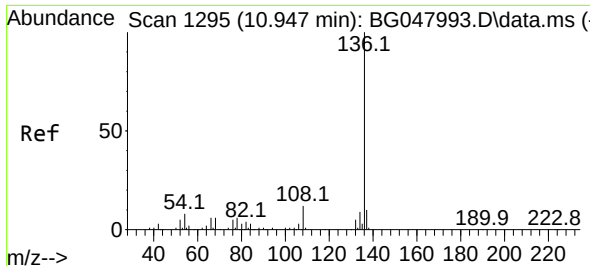
Tgt Ion: 107 Resp: 147315  
Ion Ratio Lower Upper  
107 100  
108 90.7 70.6 110.6  
77 40.7 10.2 50.2  
79 39.5 6.8 46.8



Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

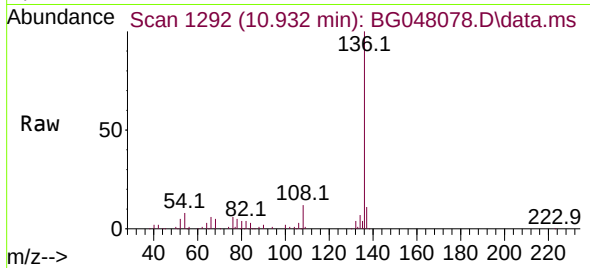
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.932 min Scan# 1292  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

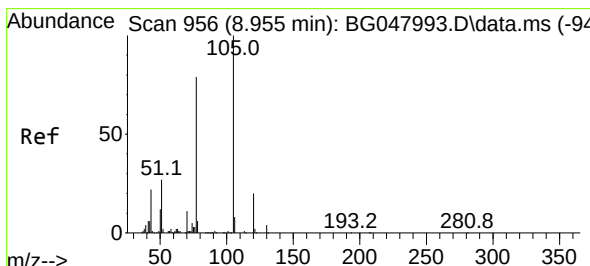
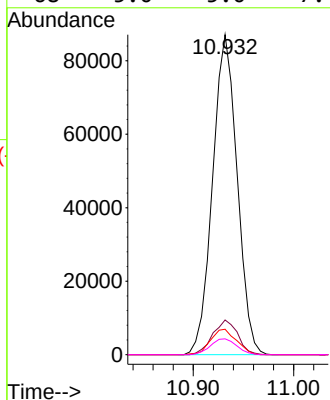
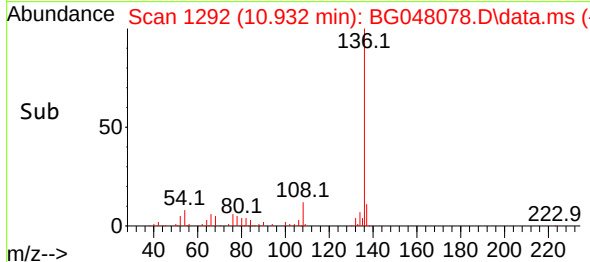
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



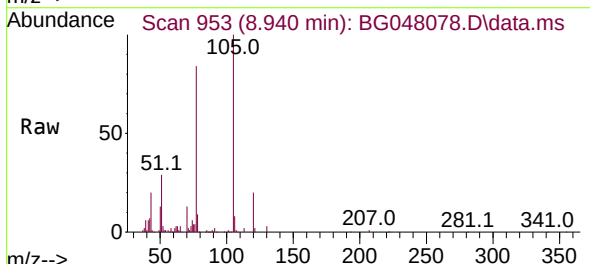
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 147728 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 9.1   | 13.7   |
| 54        | 8.0   | 6.2   | 9.4    |
| 68        | 5.0   | 5.0   | 7.4    |

Manual Integrations  
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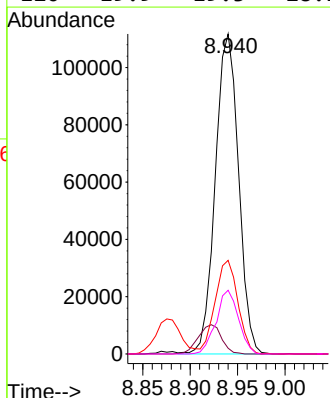
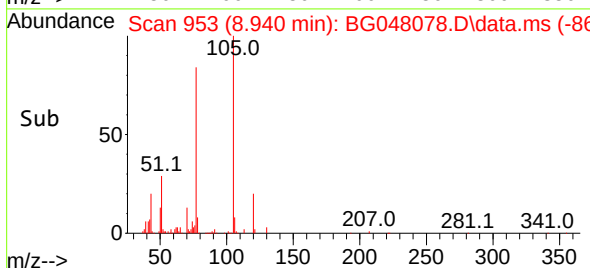
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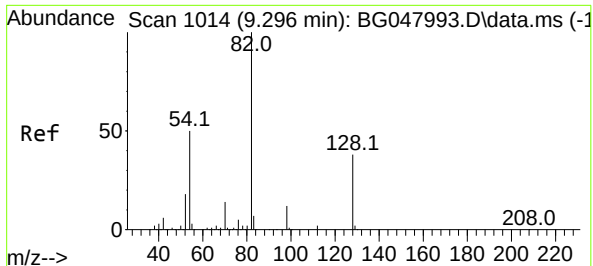


#22  
Acetophenone  
Concen: 41.79 ng  
RT: 8.940 min Scan# 953  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 190277 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 1.8   | 2.7   | 4.1#   |
| 51        | 29.3  | 21.0  | 31.6   |
| 120       | 19.9  | 19.3  | 28.9   |





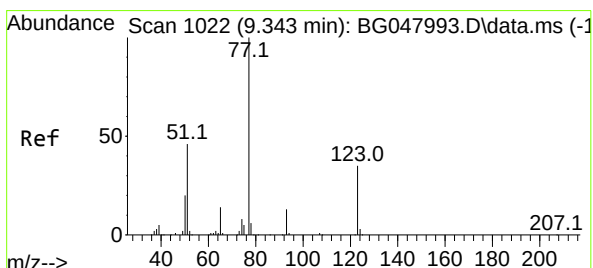
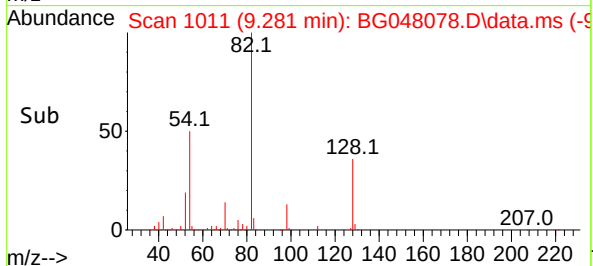
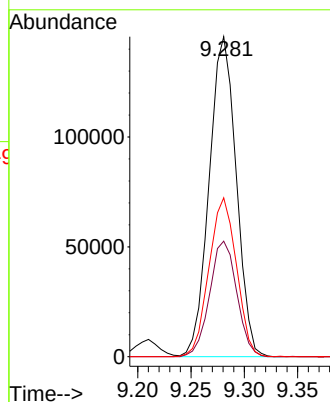
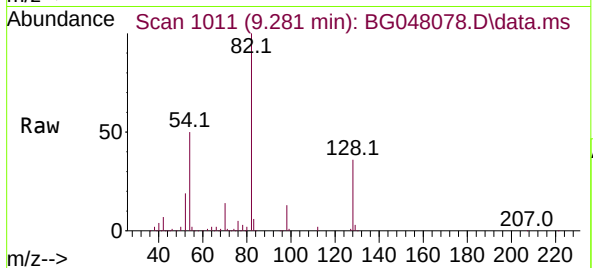
#23  
Nitrobenzene-d5  
Concen: 68.84 ng  
RT: 9.281 min Scan# 1011  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 82 Resp: 257008  
Ion Ratio Lower Upper  
82 100  
128 36.1 37.0 55.6#  
54 49.7 39.0 58.4

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

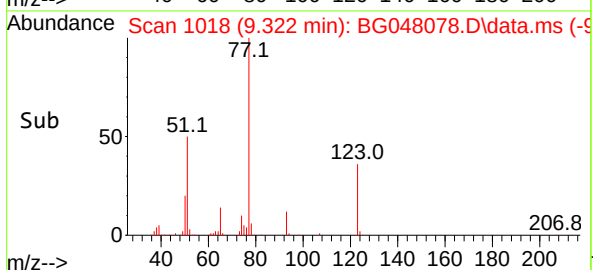
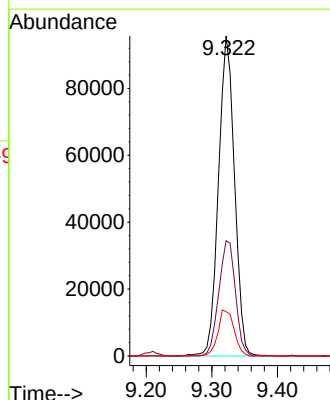
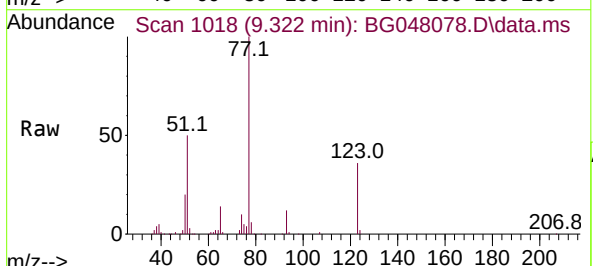
Manual Integrations  
APPROVED

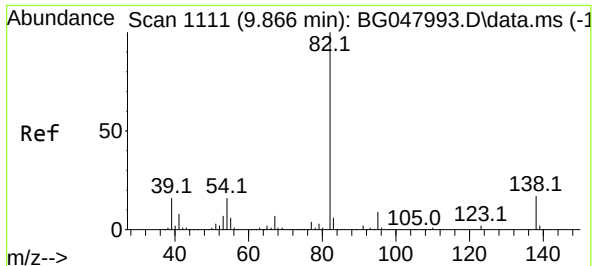
mohammad  
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#24  
Nitrobenzene  
Concen: 43.24 ng  
RT: 9.322 min Scan# 1018  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 77 Resp: 161679  
Ion Ratio Lower Upper  
77 100  
123 36.0 39.7 59.5#  
65 13.8 10.4 15.6





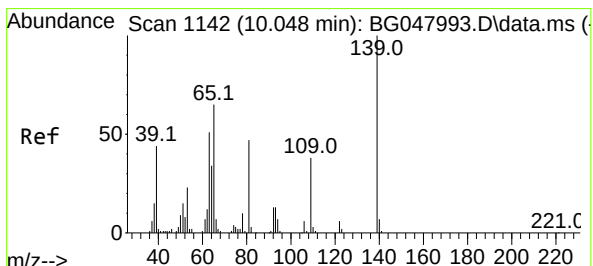
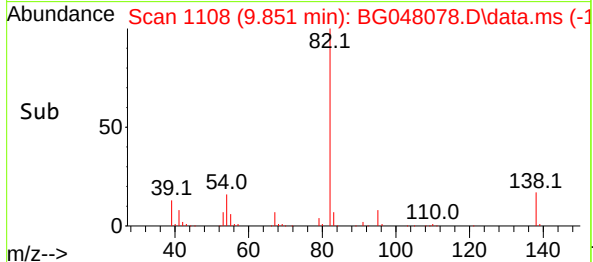
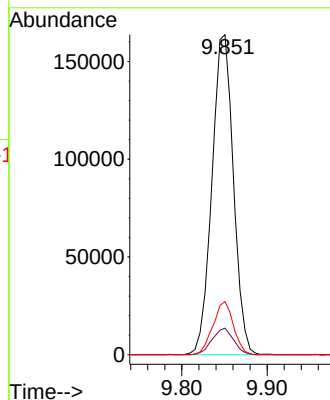
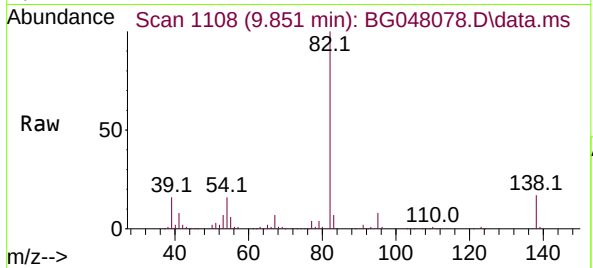
#25  
Isophorone  
Concen: 42.77 ng  
RT: 9.851 min Scan# 1108  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 82 Resp: 286588  
Ion Ratio Lower Upper  
82 100  
95 8.3 5.6 8.4  
138 16.6 15.8 23.6

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

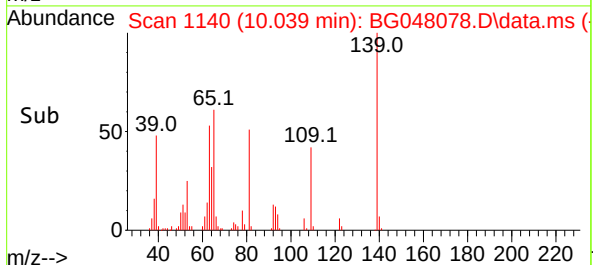
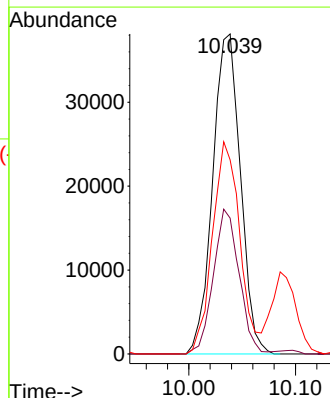
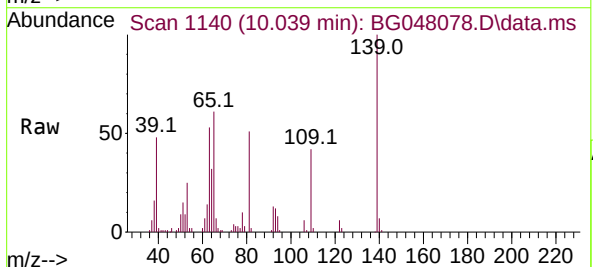
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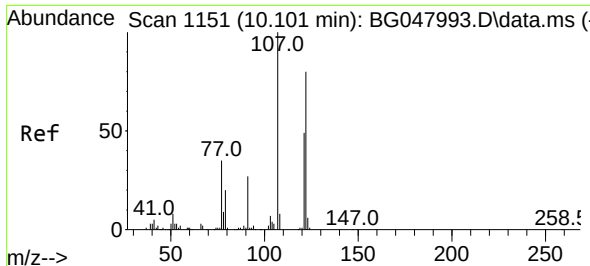


#26  
2-Nitrophenol  
Concen: 44.69 ng  
RT: 10.039 min Scan# 1140  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

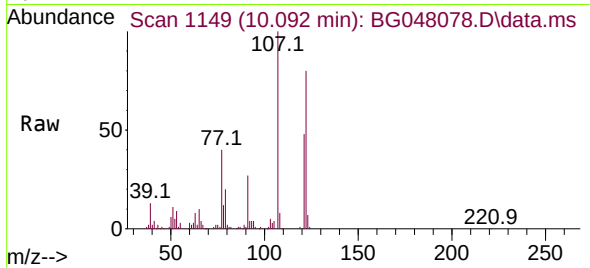
Tgt Ion: 139 Resp: 68752  
Ion Ratio Lower Upper  
139 100  
109 42.4 20.7 31.1#  
65 60.7 36.1 54.1#



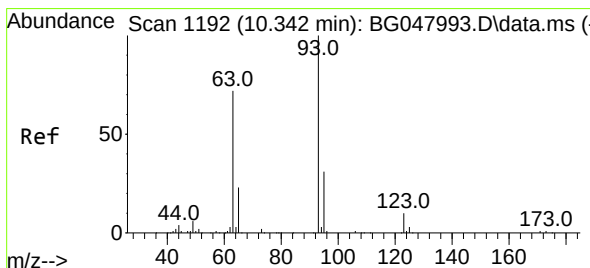
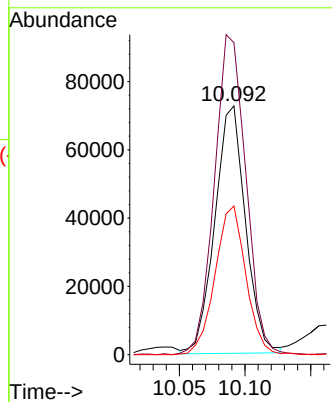
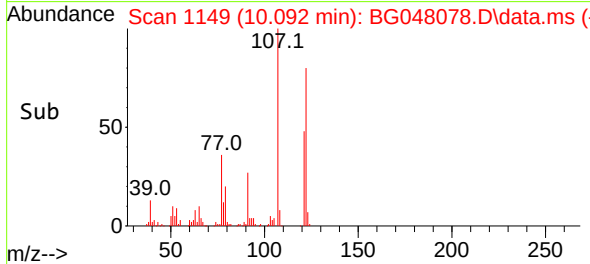




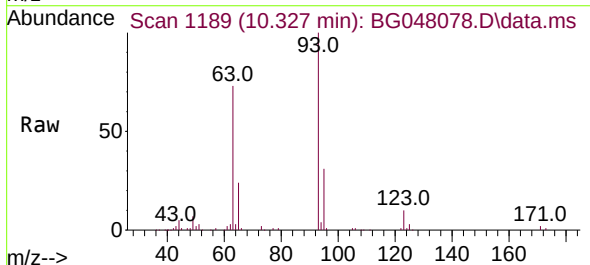
#27  
2,4-Dimethylphenol  
Concen: 52.63 ng  
RT: 10.092 min Scan# 1149  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



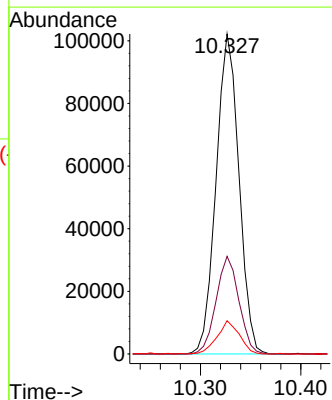
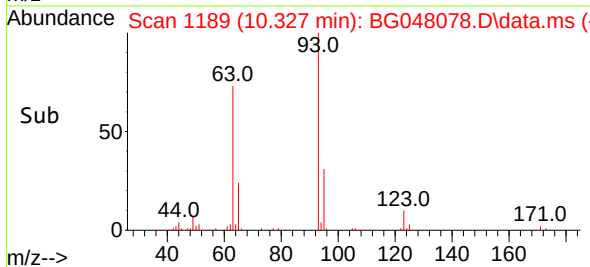
Tgt Ion:122 Resp: 117651  
Ion Ratio Lower Upper  
122 100  
107 125.4 89.2 133.8  
121 59.7 46.9 70.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.99 ng  
RT: 10.327 min Scan# 1189  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



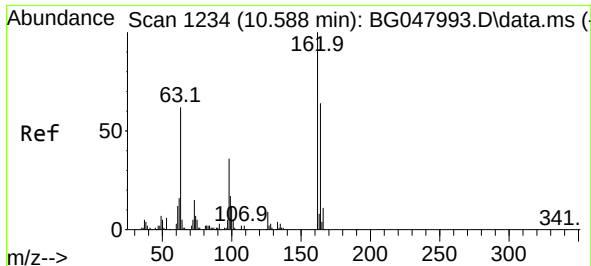
Tgt Ion: 93 Resp: 161207  
Ion Ratio Lower Upper  
93 100  
95 30.5 26.5 39.7  
123 10.4 9.4 14.0



Instrument :  
BNA\_G  
ClientSampleId :  
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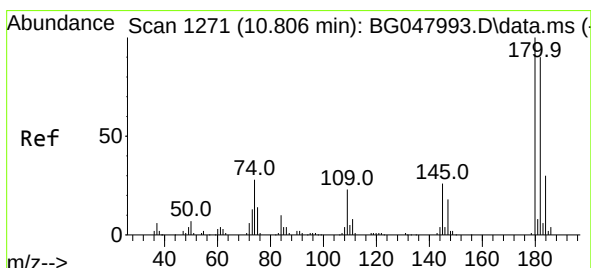
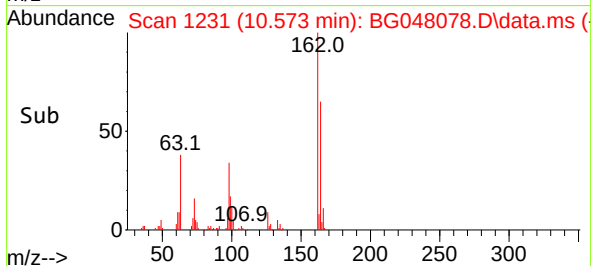
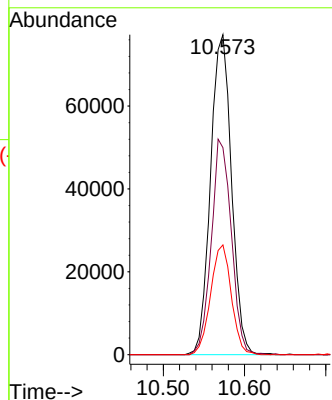
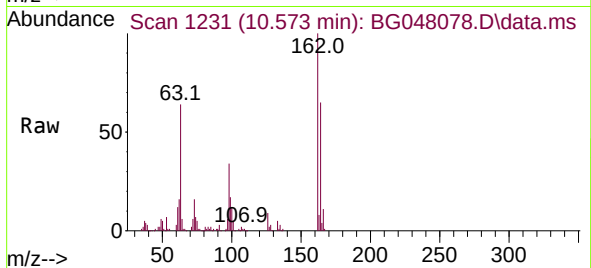
#29  
2,4-Dichlorophenol  
Concen: 48.10 ng  
RT: 10.573 min Scan# 1231  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:162 Resp: 138354  
Ion Ratio Lower Upper  
162 100  
164 64.7 45.6 85.6  
98 34.3 11.0 51.0

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

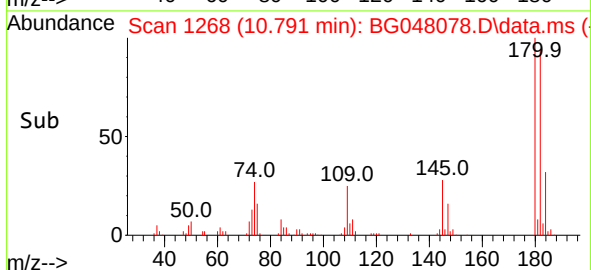
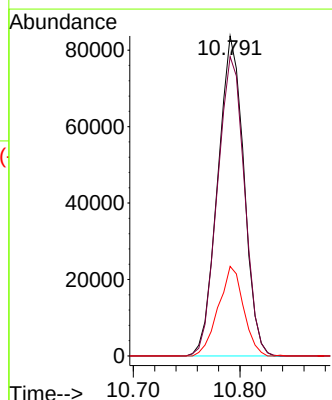
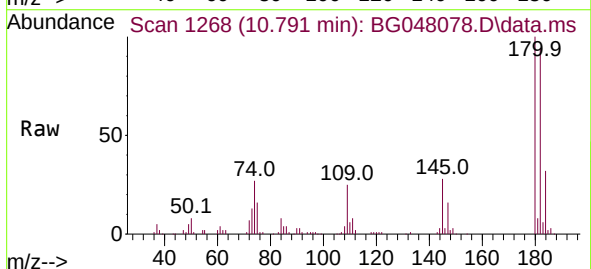
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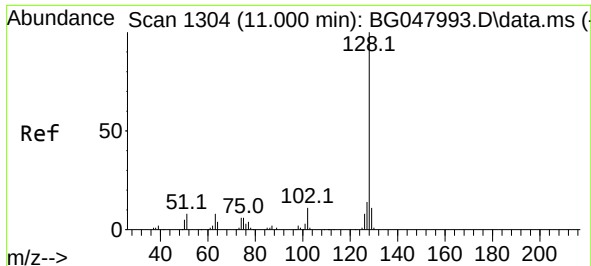
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#30  
1,2,4-Trichlorobenzene  
Concen: 40.93 ng  
RT: 10.791 min Scan# 1268  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:180 Resp: 142328  
Ion Ratio Lower Upper  
180 100  
182 93.6 76.9 115.3  
145 28.0 21.4 32.0





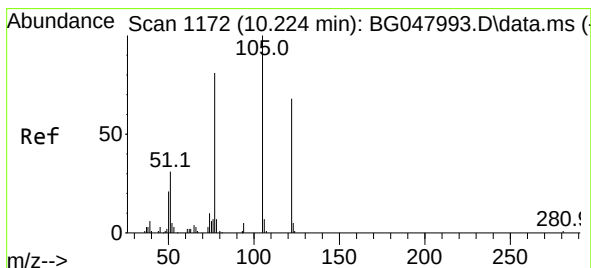
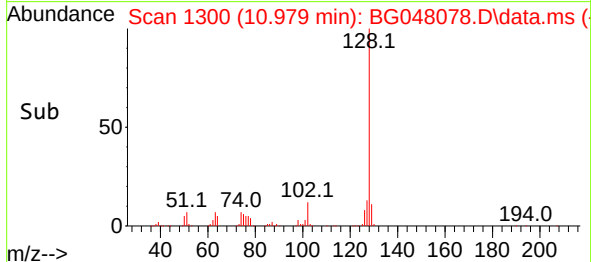
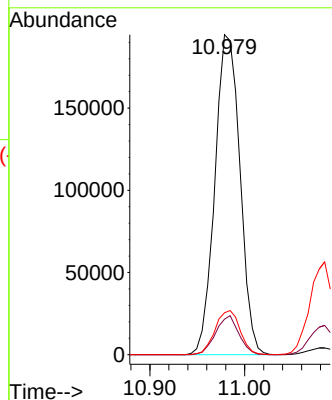
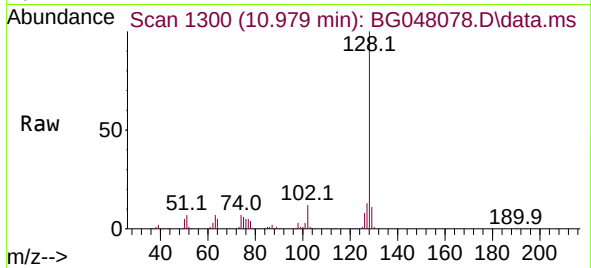
#31  
Naphthalene  
Concen: 41.88 ng  
RT: 10.979 min Scan# 1300  
Delta R.T. -0.008 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:128 Resp: 357723  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.0 13.6  
127 13.1 11.0 16.4

Instrument :  
BNA\_G  
ClientSampleId :  
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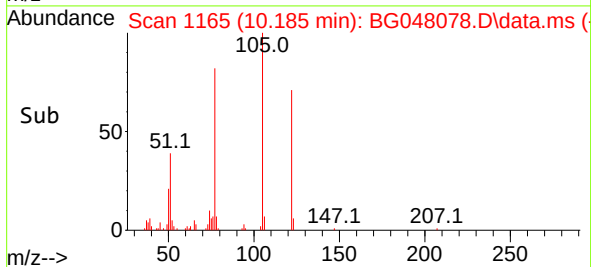
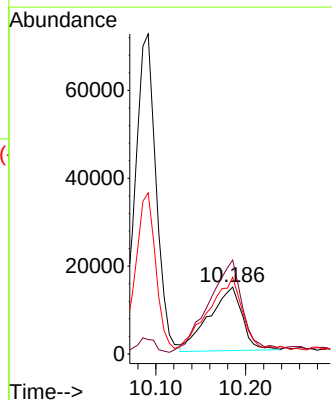
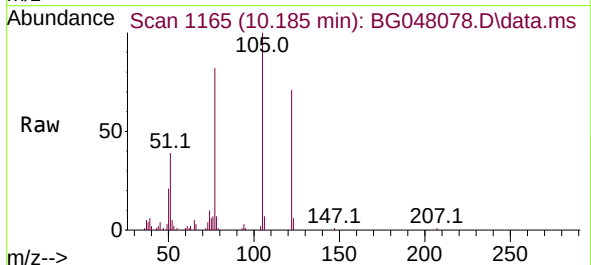
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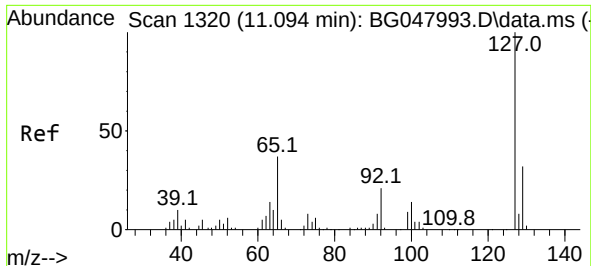
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#32  
Benzoic acid  
Concen: 18.59 ng  
RT: 10.185 min Scan# 1165  
Delta R.T. 0.009 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:122 Resp: 37211  
Ion Ratio Lower Upper  
122 100  
105 140.2 103.7 143.7  
77 114.5 63.0 103.0#





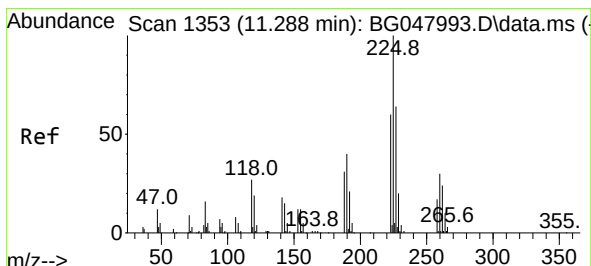
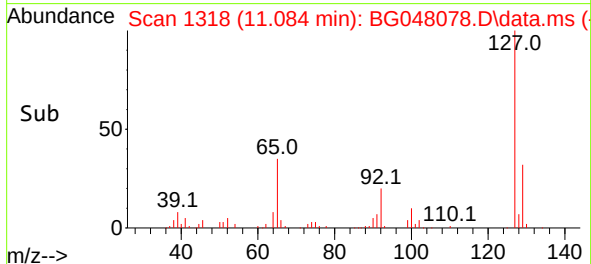
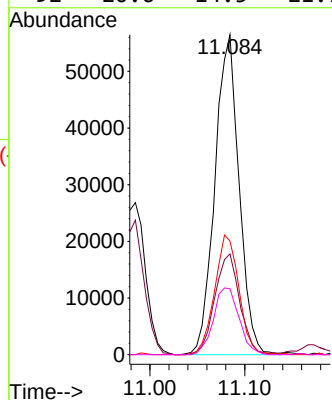
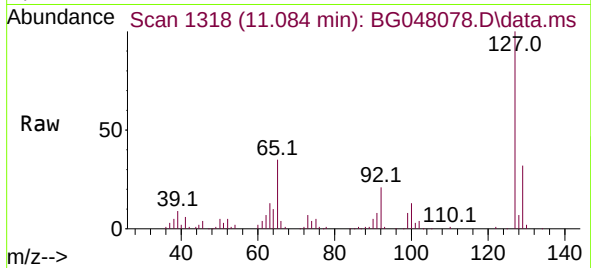
#33  
4-Chloroaniline  
Concen: 25.66 ng  
RT: 11.084 min Scan# 1318  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 31.5  | 26.8  | 40.2  |
| 65      | 35.5  | 23.8  | 35.6  |
| 92      | 20.6  | 14.5  | 21.7  |

Instrument :  
BNA\_G  
ClientSampleId :  
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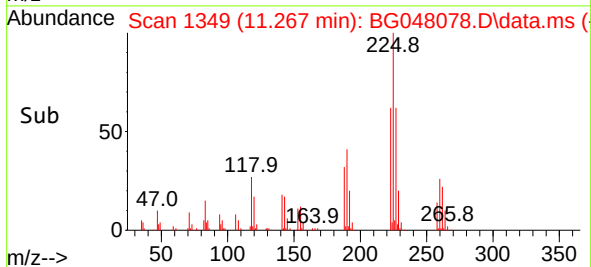
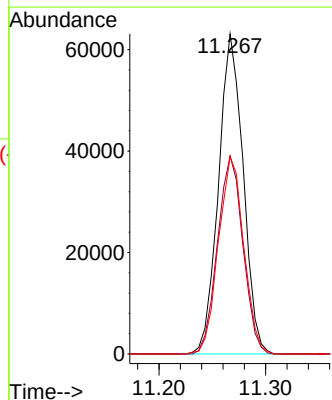
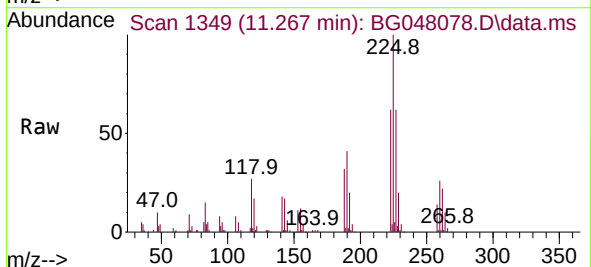
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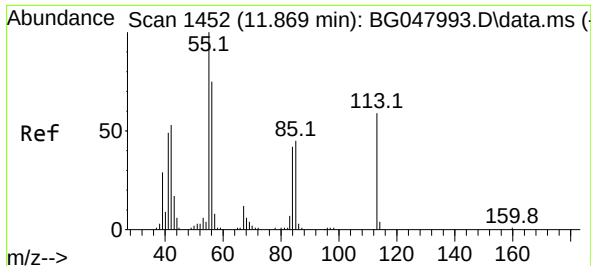
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#34  
Hexachlorobutadiene  
Concen: 40.97 ng  
RT: 11.267 min Scan# 1349  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

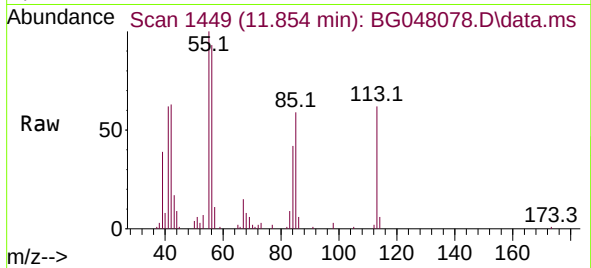
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.9  | 49.5  | 74.3  |
| 227     | 61.7  | 52.0  | 78.0  |





#35  
Caprolactam  
Concen: 47.33 ng m  
RT: 11.854 min Scan# 1449  
Delta R.T. -0.008 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

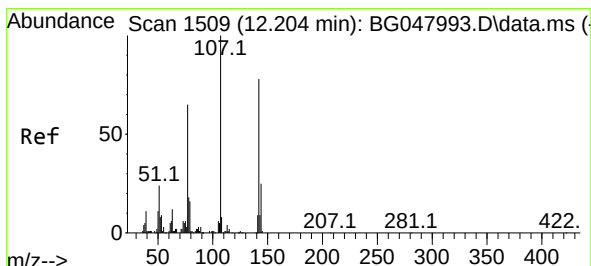
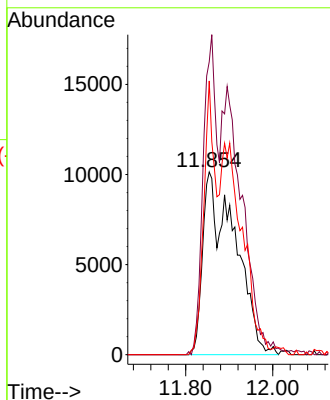
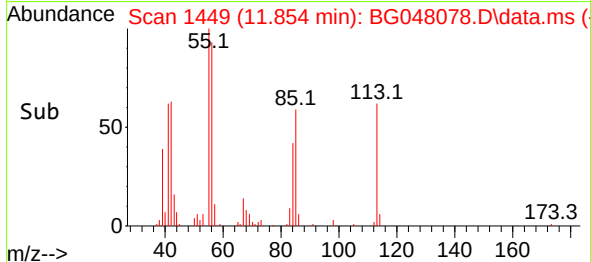
Instrument :  
BNA\_G  
ClientSampleId :  
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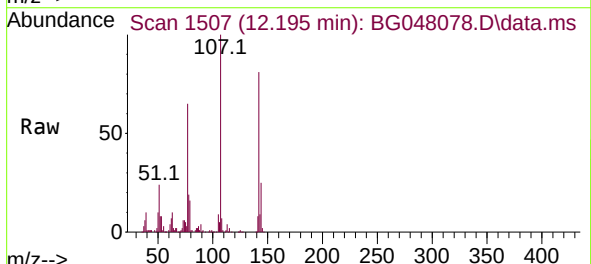
Tgt Ion:113 Resp: 51821  
Ion Ratio Lower Upper  
113 100  
55 160.3 149.2 189.2  
56 149.8 107.2 147.2#

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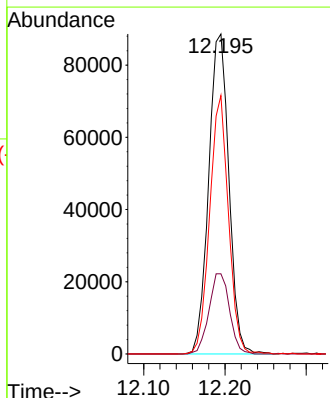
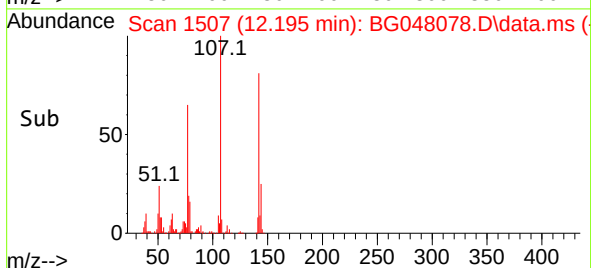
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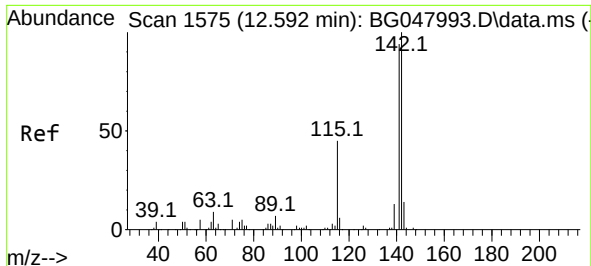


#36  
4-Chloro-3-methylphenol  
Concen: 47.40 ng  
RT: 12.195 min Scan# 1507  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:107 Resp: 152963  
Ion Ratio Lower Upper  
107 100  
144 25.0 22.5 33.7  
142 80.8 70.8 106.2





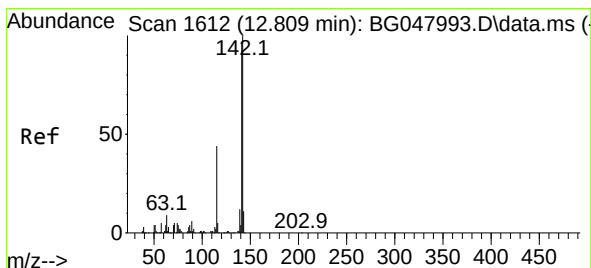
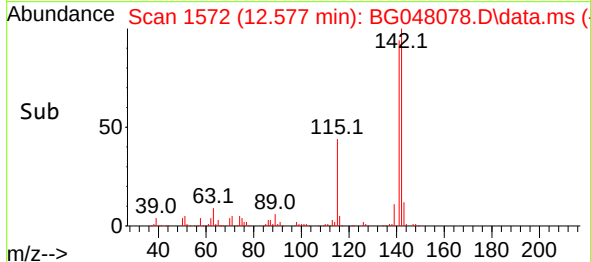
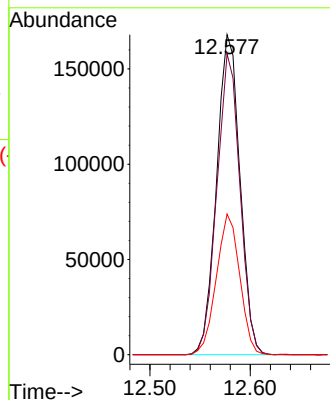
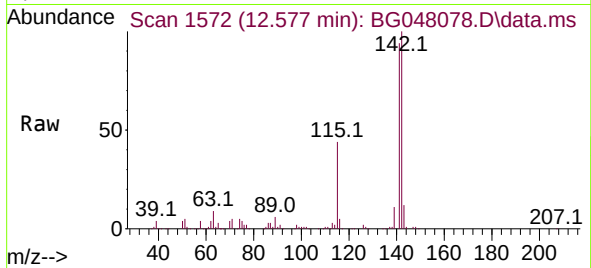
#37  
2-Methylnaphthalene  
Concen: 42.14 ng  
RT: 12.577 min Scan# 1572  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:142 Resp: 271836  
Ion Ratio Lower Upper  
142 100  
141 94.0 71.6 107.4  
115 44.0 25.4 38.2#

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

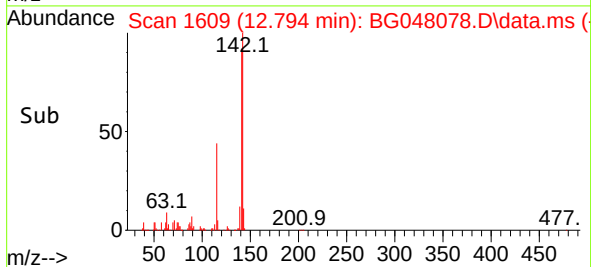
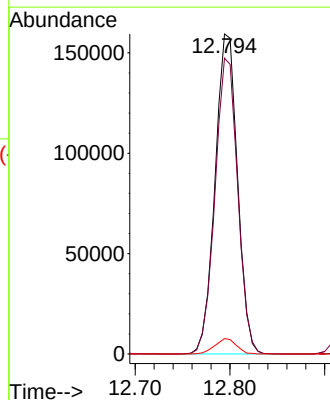
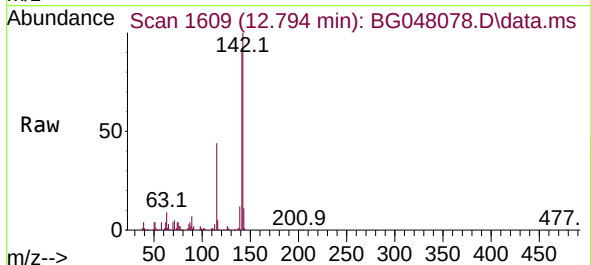
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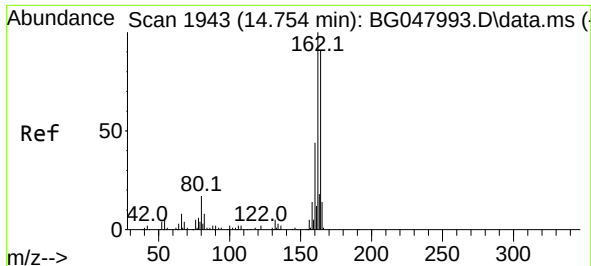
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#38  
1-Methylnaphthalene  
Concen: 42.61 ng  
RT: 12.794 min Scan# 1609  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

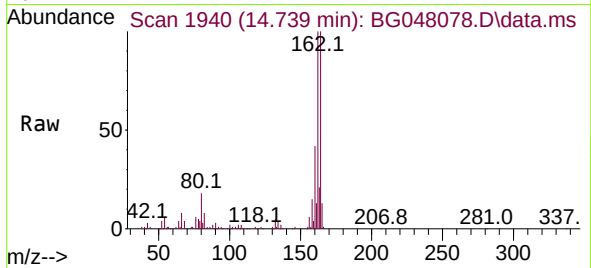
Tgt Ion:142 Resp: 262278  
Ion Ratio Lower Upper  
142 100  
141 92.5 75.4 113.2  
116 4.8 2.9 4.3#





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.739 min Scan# 1940  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

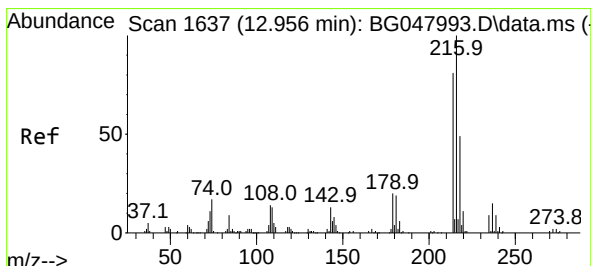
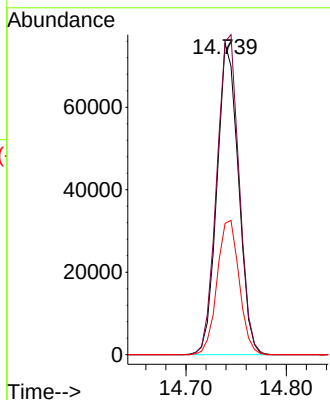
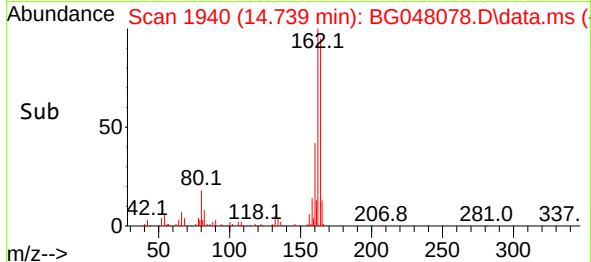
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



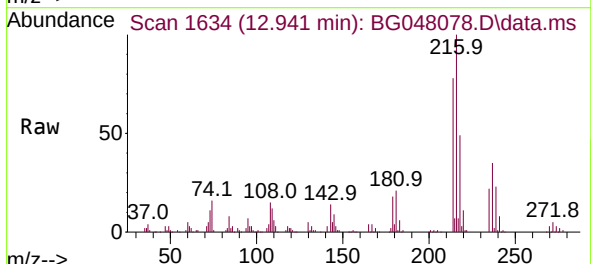
Tgt Ion:164 Resp: 112224  
Ion Ratio Lower Upper  
164 100  
162 100.5 82.3 123.5  
160 42.2 35.3 52.9

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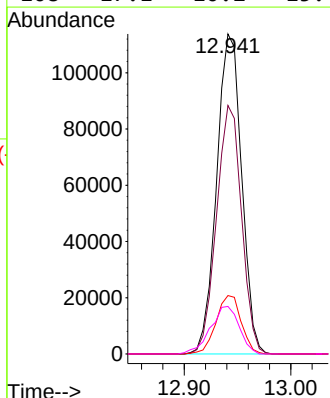
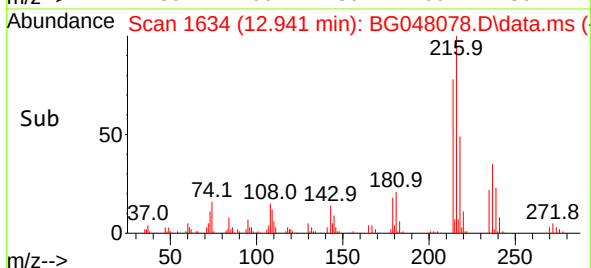
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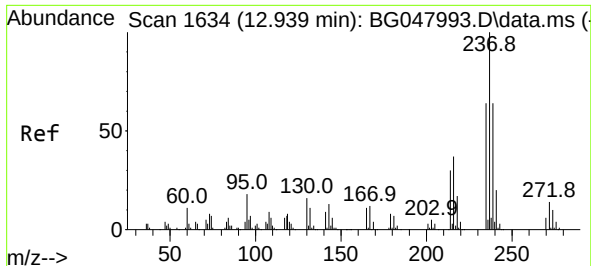


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.27 ng  
RT: 12.941 min Scan# 1634  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



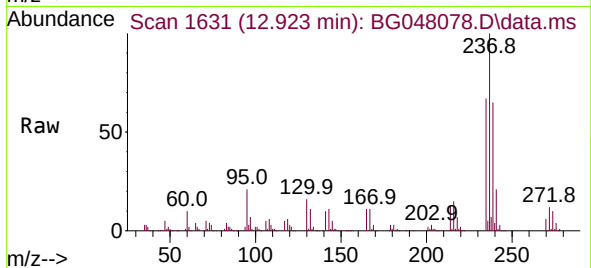
Tgt Ion:216 Resp: 185108  
Ion Ratio Lower Upper  
216 100  
214 77.7 61.9 92.9  
179 18.4 14.8 22.2  
108 17.1 10.2 15.4#





#41  
Hexachlorocyclopentadiene  
Concen: 101.87 ng  
RT: 12.923 min Scan# 1631  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

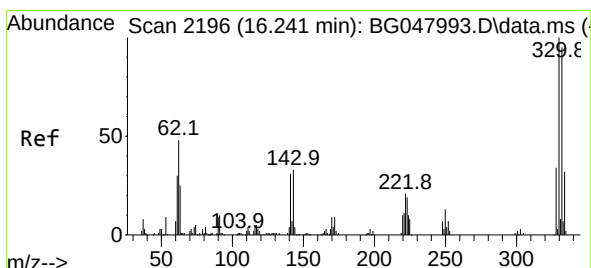
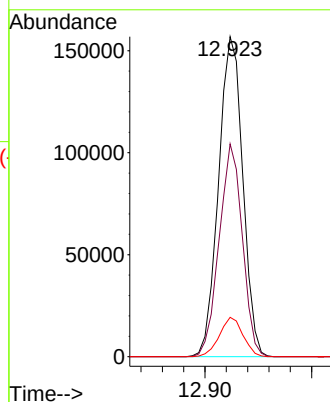
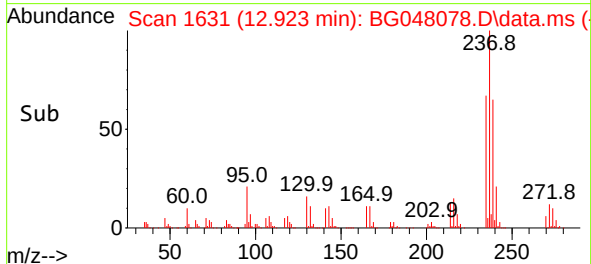
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



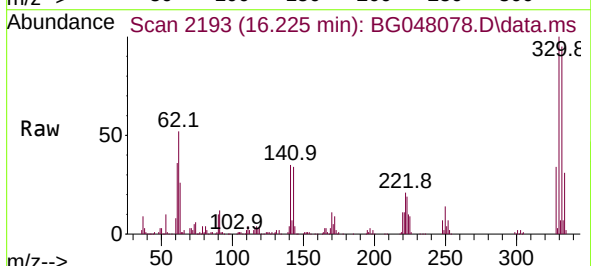
Tgt Ion:237 Resp: 246875  
Ion Ratio Lower Upper  
237 100  
235 66.5 43.1 83.1  
272 12.3 0.0 33.1

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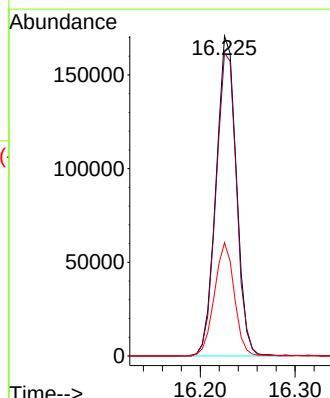
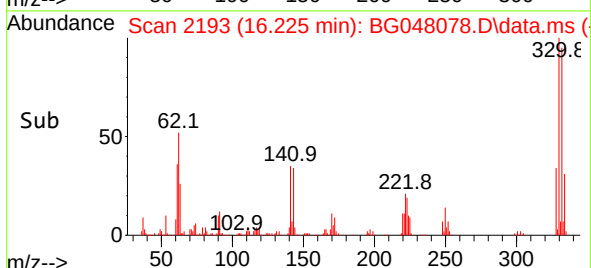
mohammad  
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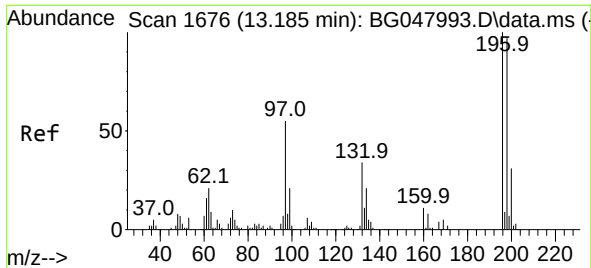
#42  
2,4,6-Tribromophenol  
Concen: 135.90 ng  
RT: 16.225 min Scan# 2193  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:330 Resp: 254019  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.5 114.7  
141 34.7 26.0 39.0







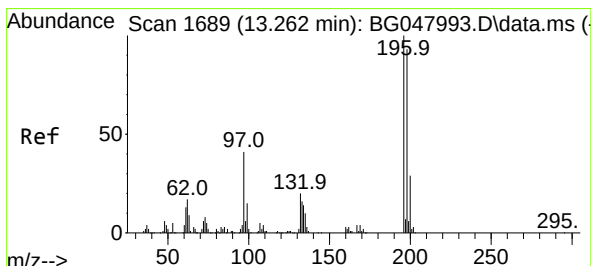
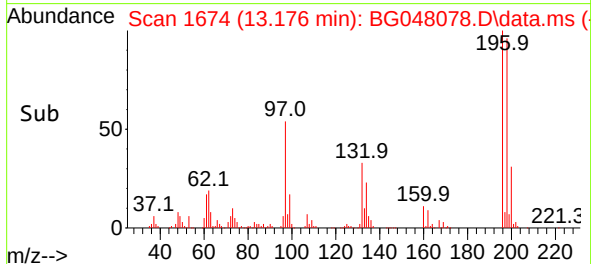
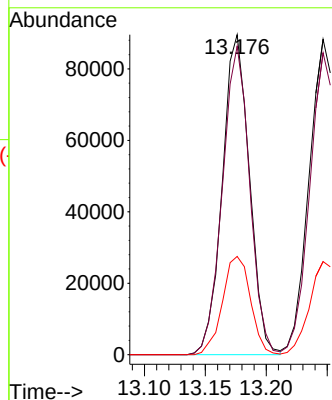
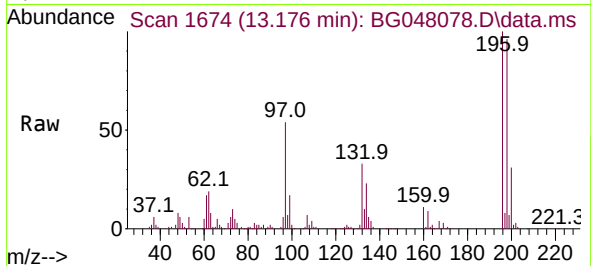
#43  
2,4,6-Trichlorophenol  
Concen: 46.58 ng  
RT: 13.176 min Scan# 1674  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:196 Resp: 139000  
Ion Ratio Lower Upper  
196 100  
198 96.4 74.9 112.3  
200 30.7 25.3 37.9

Instrument :  
BNA\_G  
ClientSampleId :  
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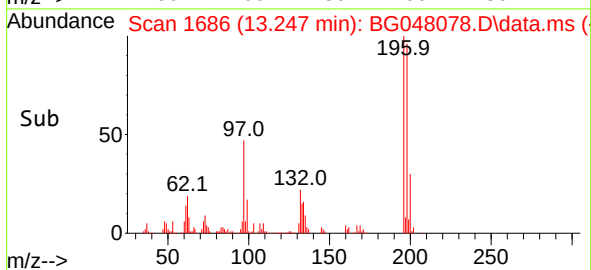
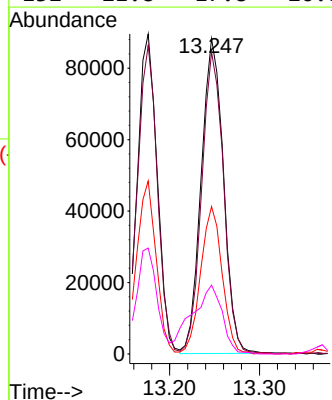
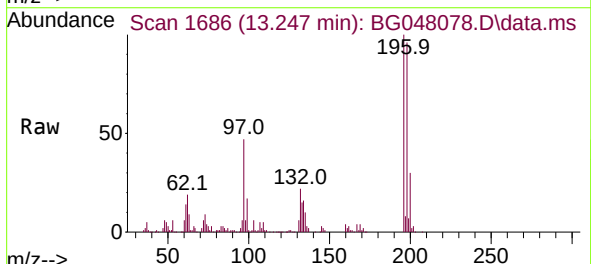
Manual Integrations  
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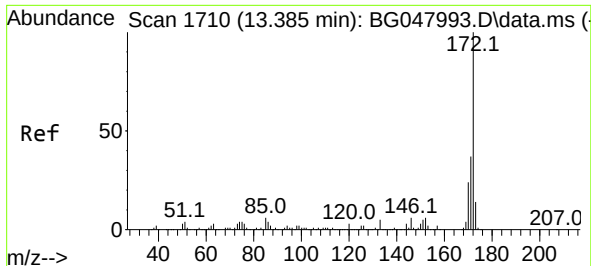
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#44  
2,4,5-Trichlorophenol  
Concen: 49.09 ng  
RT: 13.247 min Scan# 1686  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

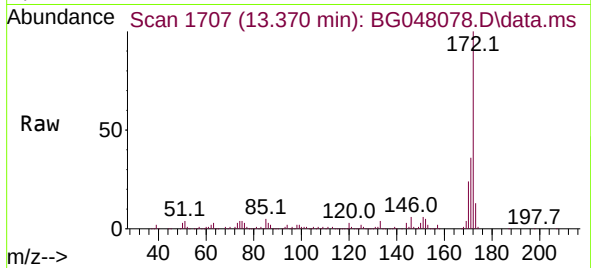
Tgt Ion:196 Resp: 151794  
Ion Ratio Lower Upper  
196 100  
198 95.7 77.6 116.4  
97 46.7 28.6 43.0#  
132 21.8 17.8 26.8





#45  
2-Fluorobiphenyl  
Concen: 70.31 ng  
RT: 13.370 min Scan# 1707  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

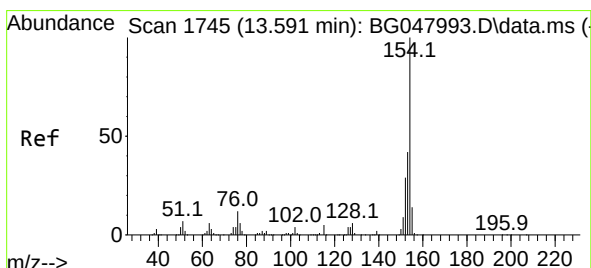
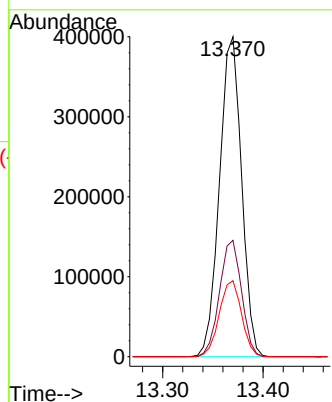
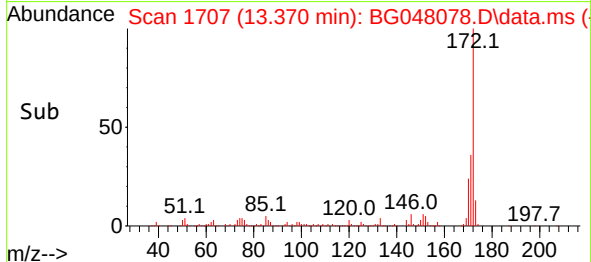
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



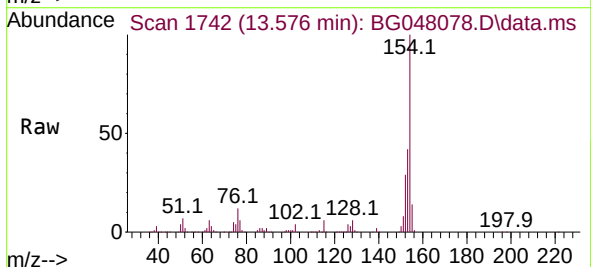
Tgt Ion:172 Resp: 610253  
Ion Ratio Lower Upper  
172 100  
171 36.3 31.3 46.9  
170 23.7 20.8 31.2

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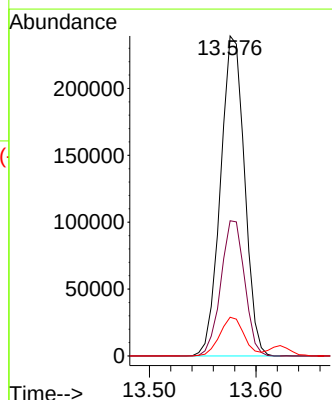
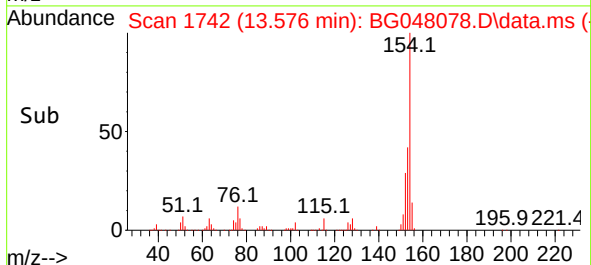
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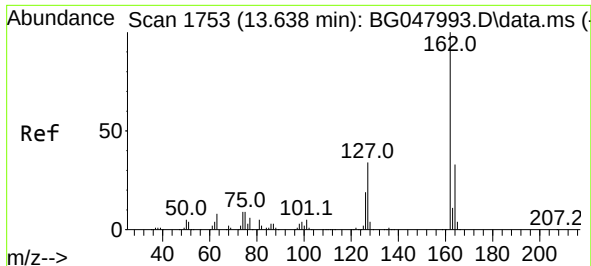


#46  
1,1'-Biphenyl  
Concen: 43.10 ng  
RT: 13.576 min Scan# 1742  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:154 Resp: 373895  
Ion Ratio Lower Upper  
154 100  
153 42.2 22.6 62.6  
76 12.1 0.0 32.6





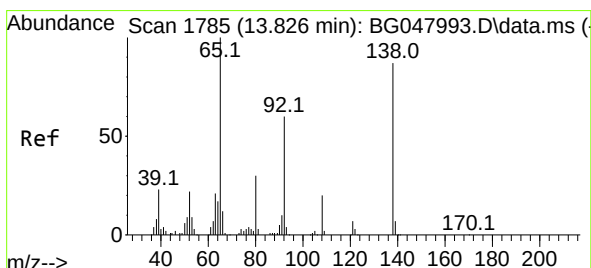
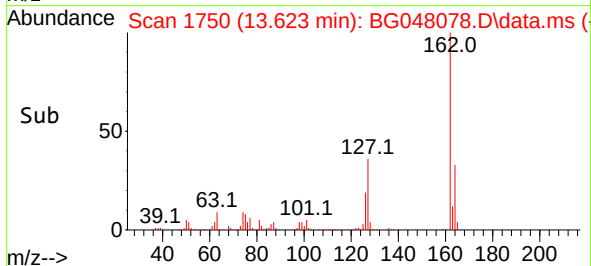
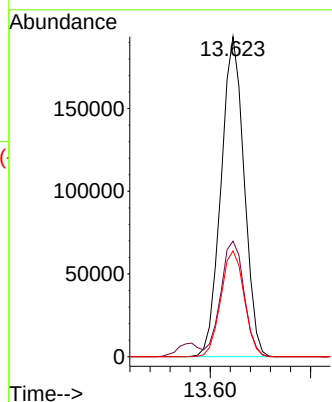
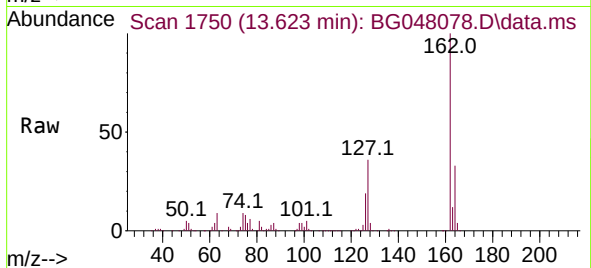
#47  
2-Chloronaphthalene  
Concen: 40.83 ng  
RT: 13.623 min Scan# 1750  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Instrument :  
BNA\_G  
ClientSampleID :  
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Tgt Ion:162 Resp: 308241  
Ion Ratio Lower Upper  
162 100  
127 36.1 27.8 41.6  
164 33.0 27.0 40.4

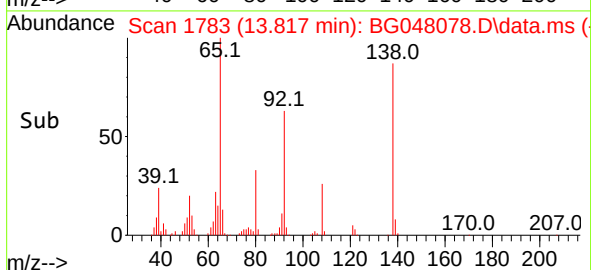
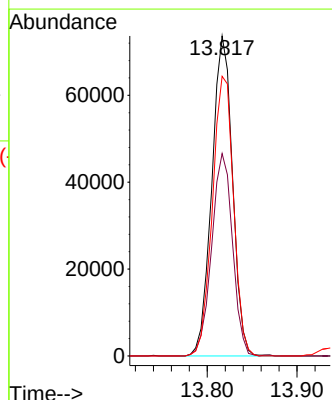
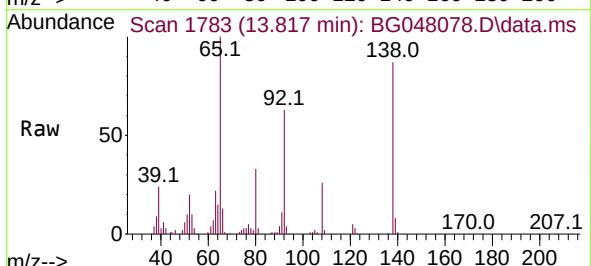
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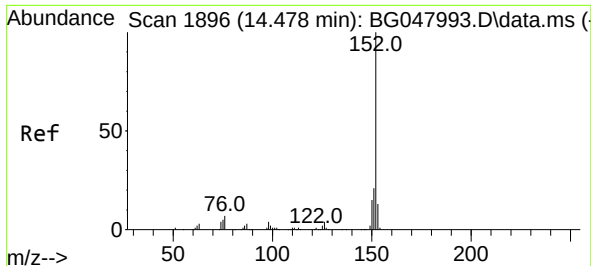
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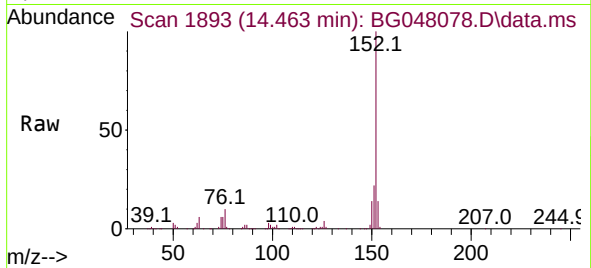
#48  
2-Nitroaniline  
Concen: 42.89 ng  
RT: 13.817 min Scan# 1783  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 65 Resp: 117533  
Ion Ratio Lower Upper  
65 100  
92 63.2 58.6 88.0  
138 87.4 98.2 147.4#

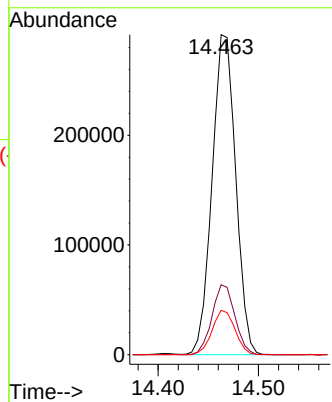
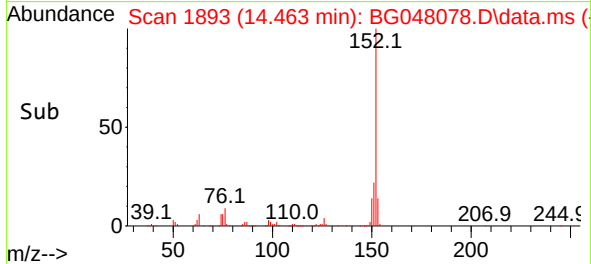




#49  
Acenaphthylene  
Concen: 42.75 ng  
RT: 14.463 min Scan# 1893  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



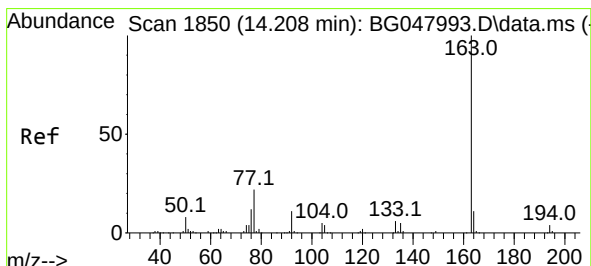
Tgt Ion:152 Resp: 476420  
Ion Ratio Lower Upper  
152 100  
151 21.8 17.4 26.0  
153 13.9 11.5 17.3



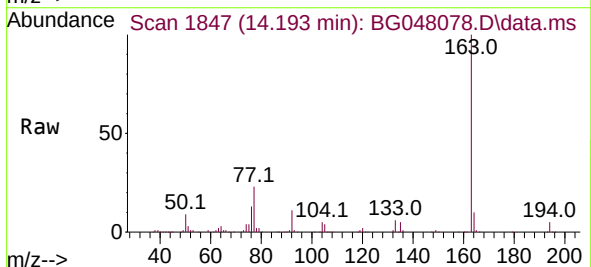
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

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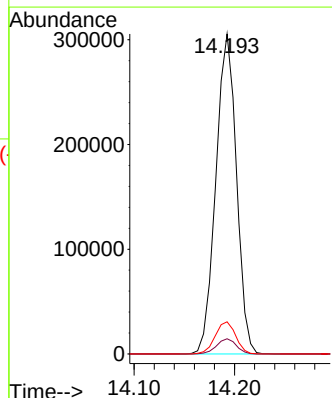
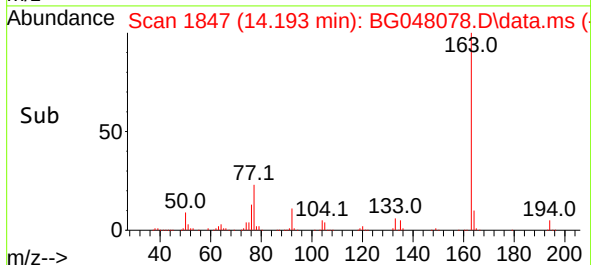
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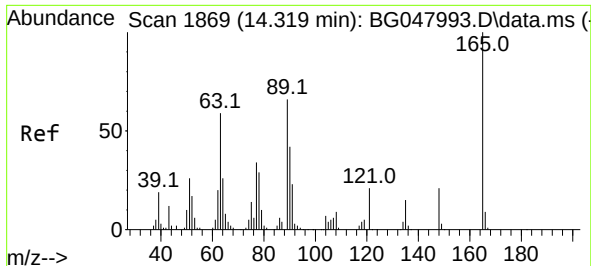


#50  
Dimethylphthalate  
Concen: 42.88 ng  
RT: 14.193 min Scan# 1847  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:163 Resp: 435585  
Ion Ratio Lower Upper  
163 100  
194 4.8 3.8 5.8  
164 10.1 8.8 13.2





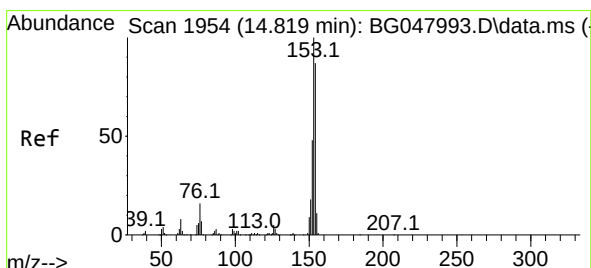
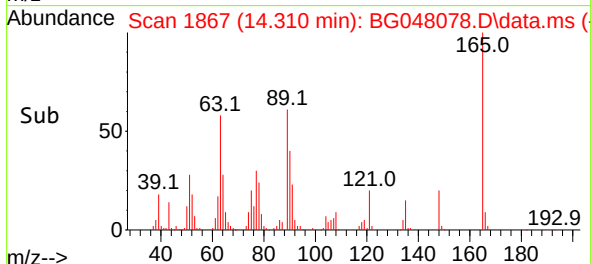
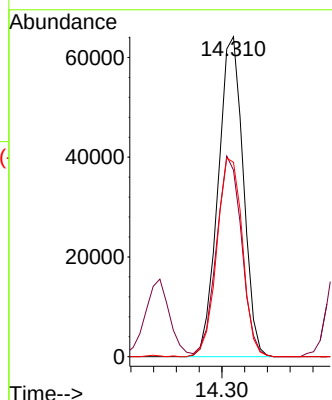
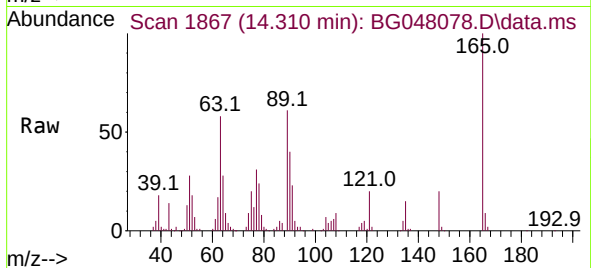
#51  
2,6-Dinitrotoluene  
Concen: 46.57 ng  
RT: 14.310 min Scan# 1867  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:165 Resp: 98331  
Ion Ratio Lower Upper  
165 100  
63 58.3 33.7 50.5#  
89 60.7 36.6 54.8#

Instrument :  
BNA\_G  
ClientSampled :  
PB134420BS

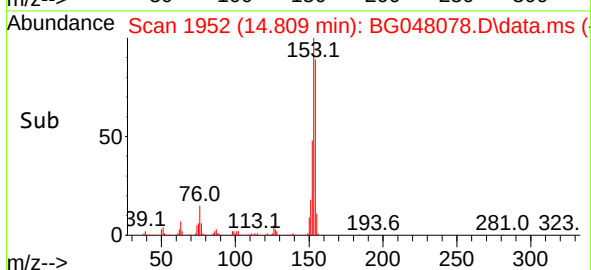
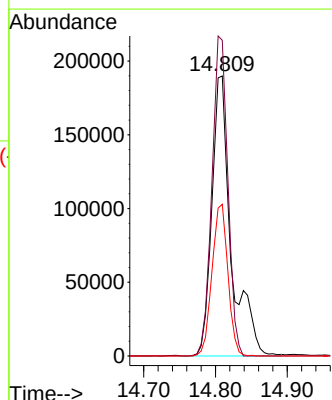
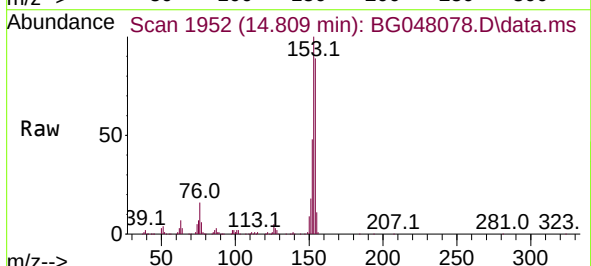
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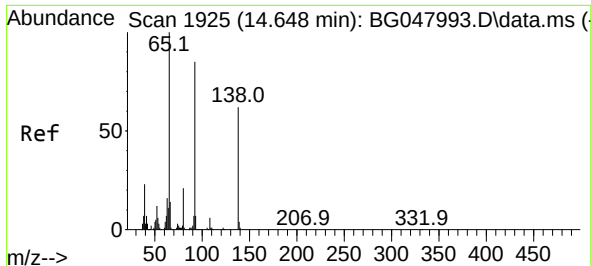
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#52  
Acenaphthene  
Concen: 47.34 ng m  
RT: 14.809 min Scan# 1952  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:154 Resp: 357111  
Ion Ratio Lower Upper  
154 100  
153 112.7 90.3 135.5  
152 54.2 43.8 65.8





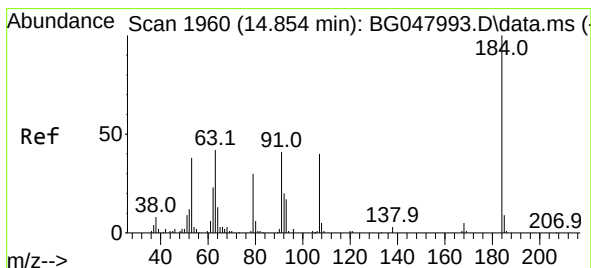
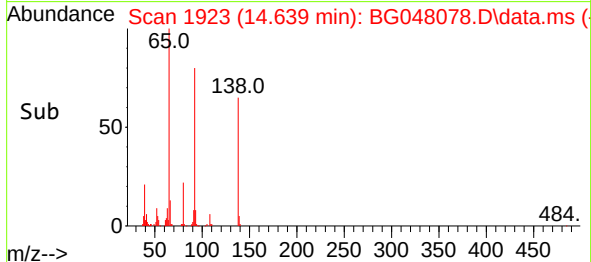
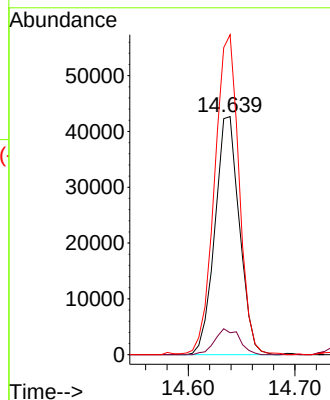
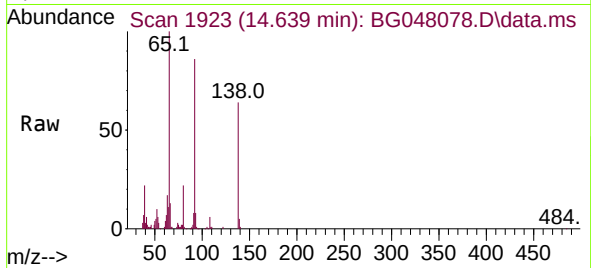
#53  
3-Nitroaniline  
Concen: 29.37 ng  
RT: 14.639 min Scan# 1923  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:138 Resp: 68023  
Ion Ratio Lower Upper  
138 100  
108 9.2 7.4 11.0  
92 134.4 85.2 127.8#

Instrument :  
BNA\_G  
ClientSampleId :  
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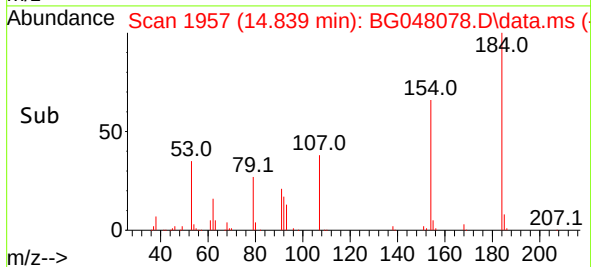
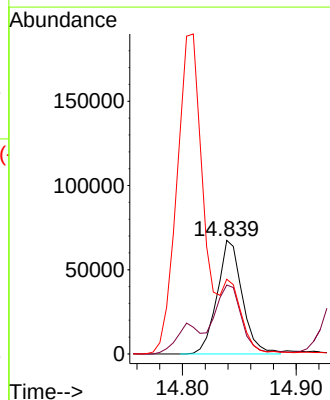
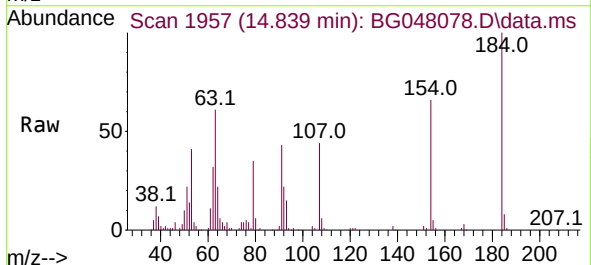
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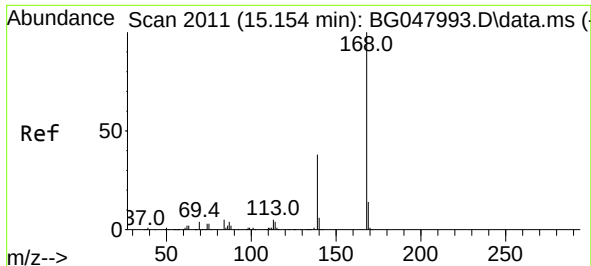
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#54  
2,4-Dinitrophenol  
Concen: 78.43 ng  
RT: 14.839 min Scan# 1957  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:184 Resp: 103554  
Ion Ratio Lower Upper  
184 100  
63 60.7 32.3 48.5#  
154 65.9 40.4 60.6#





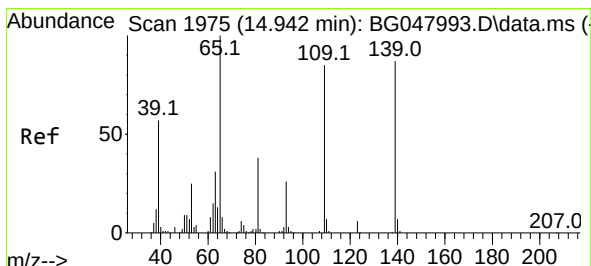
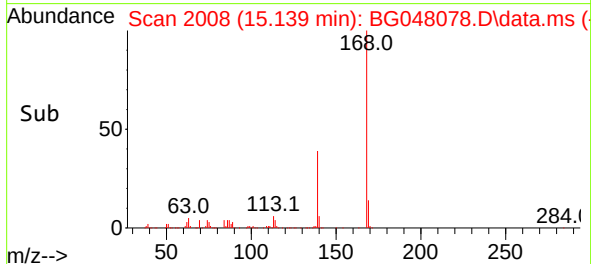
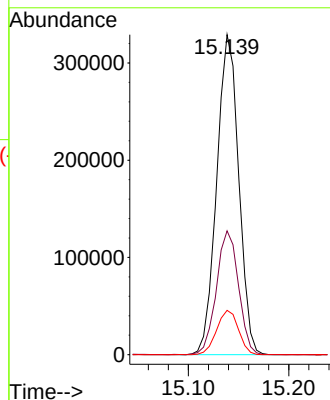
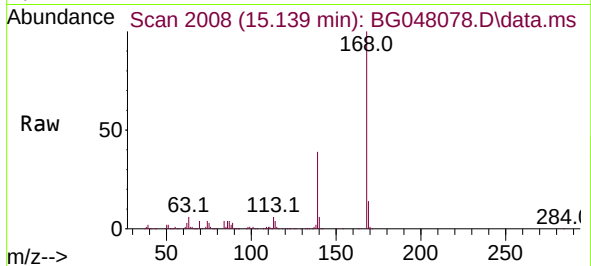
#55  
Dibenzofuran  
Concen: 43.66 ng  
RT: 15.139 min Scan# 2008  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:168 Resp: 499593  
Ion Ratio Lower Upper  
168 100  
139 38.7 28.6 43.0  
169 13.8 11.0 16.6

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

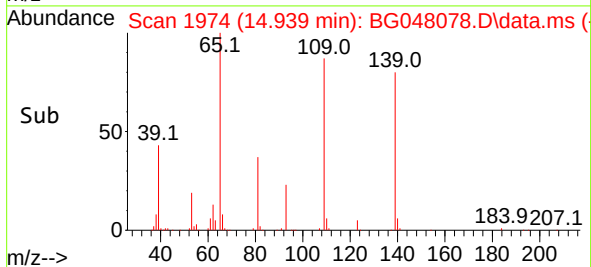
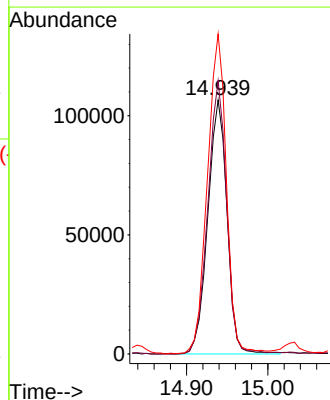
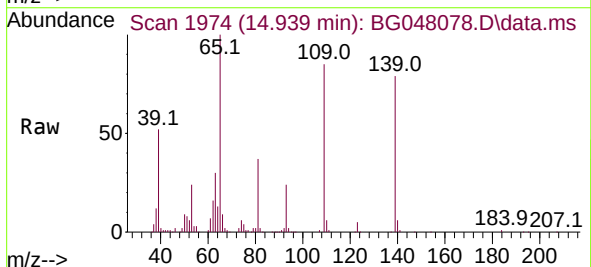
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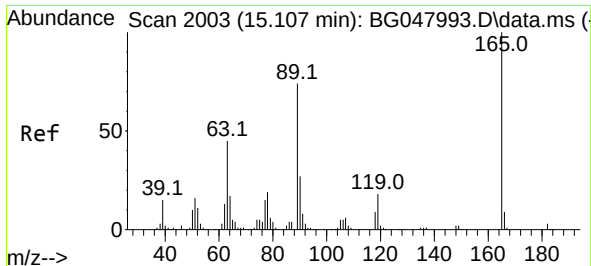
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#56  
4-Nitrophenol  
Concen: 96.98 ng  
RT: 14.939 min Scan# 1974  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

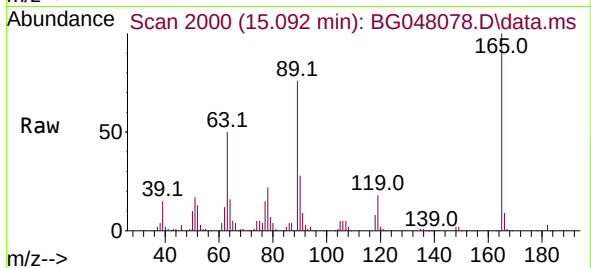
Tgt Ion:139 Resp: 175273  
Ion Ratio Lower Upper  
139 100  
109 107.6 45.9 85.9#  
65 126.0 65.4 105.4#





#57  
2,4-Dinitrotoluene  
Concen: 46.71 ng  
RT: 15.092 min Scan# 2000  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

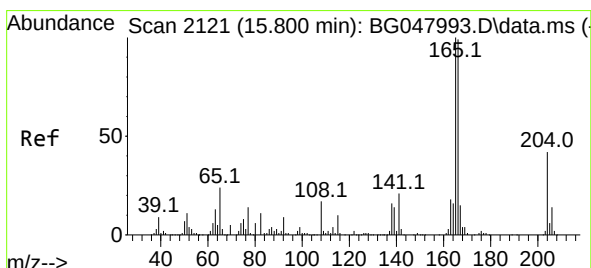
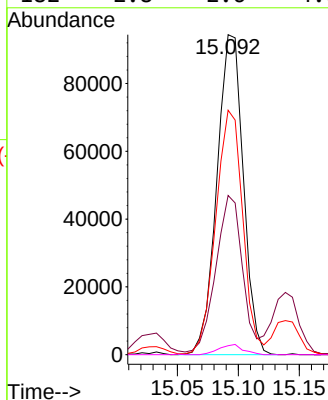
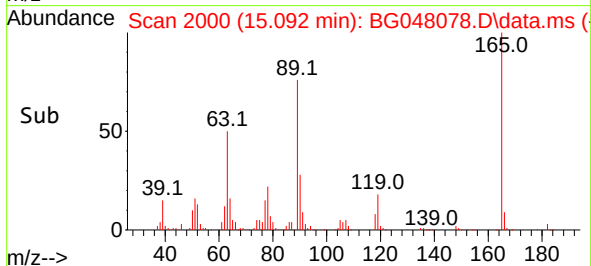
Instrument :  
BNA\_G  
ClientSampled :  
PB134420BS



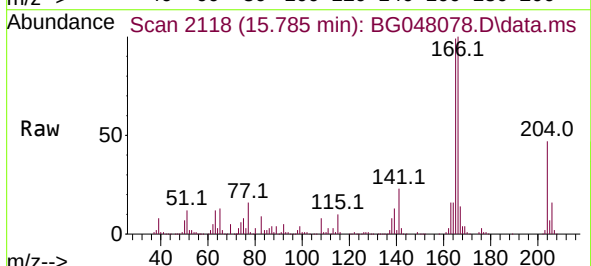
Tgt Ion:165 Resp: 142452  
Ion Ratio Lower Upper  
165 100  
63 49.7 26.4 39.6#  
89 76.4 47.8 71.8#  
182 2.8 2.6 4.0

Manual Integrations  
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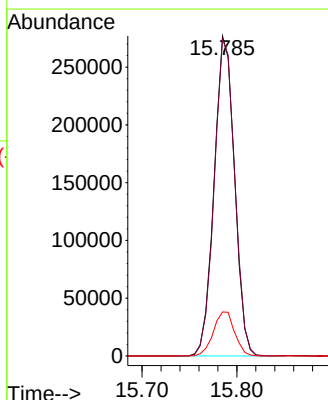
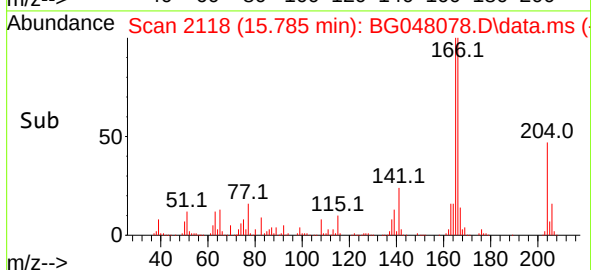
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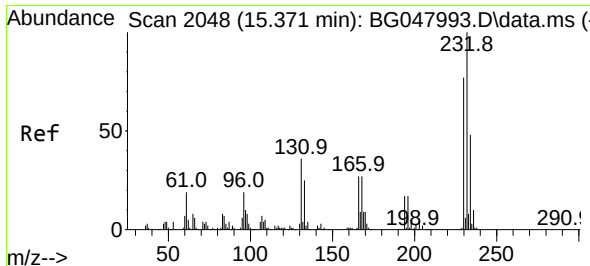
#58  
Fluorene  
Concen: 44.94 ng  
RT: 15.785 min Scan# 2118  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



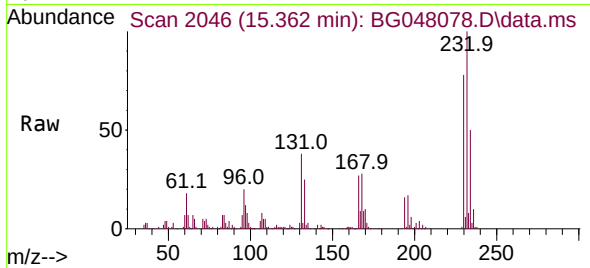
Tgt Ion:166 Resp: 413402  
Ion Ratio Lower Upper  
166 100  
165 99.1 77.2 115.8  
167 13.8 11.4 17.2



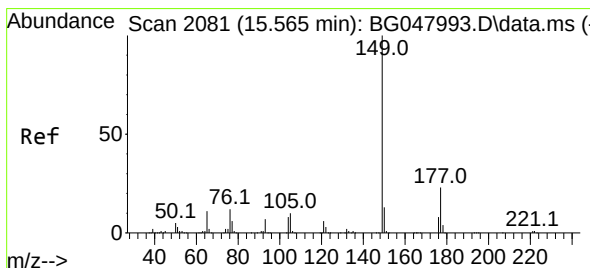
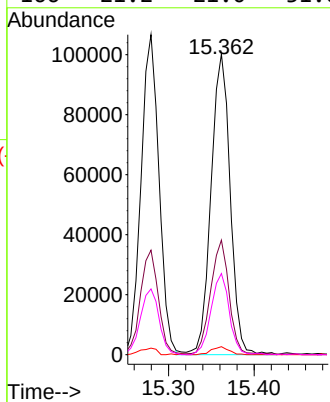
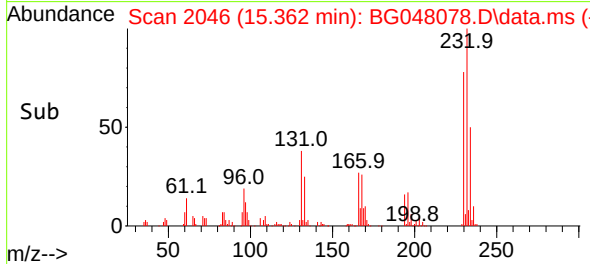




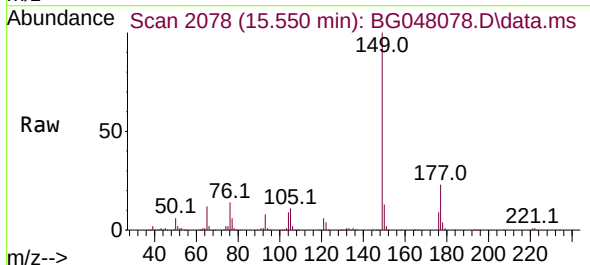
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.34 ng m  
RT: 15.362 min Scan# 2046  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



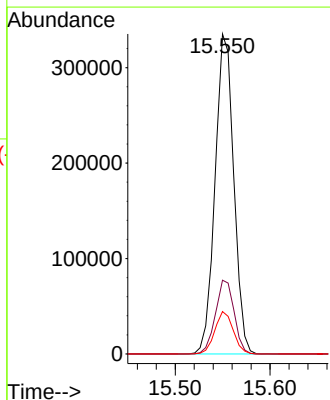
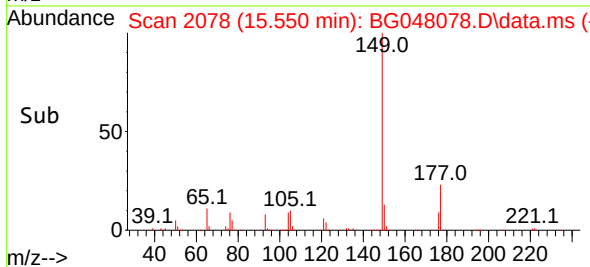
Tgt Ion:232 Resp: 155645  
Ion Ratio Lower Upper  
232 100  
131 32.6 26.6 40.0  
130 1.9 1.4 2.0  
166 21.2 21.0 31.6



#60  
Diethylphthalate  
Concen: 43.97 ng  
RT: 15.550 min Scan# 2078  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



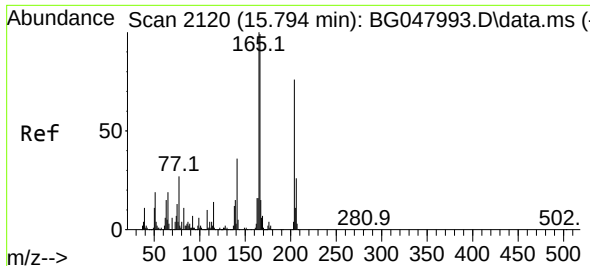
Tgt Ion:149 Resp: 459147  
Ion Ratio Lower Upper  
149 100  
177 23.1 21.4 32.2  
150 13.2 10.7 16.1



Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

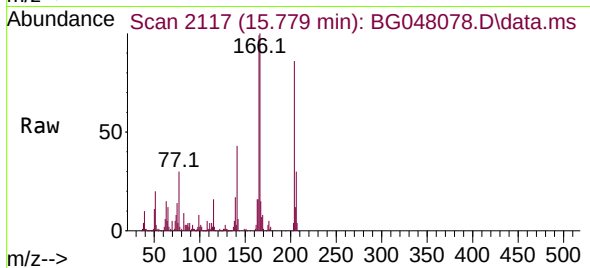
Manual Integrations  
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#61  
4-Chlorophenyl-phenylether  
Concen: 43.49 ng  
RT: 15.779 min Scan# 2117  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

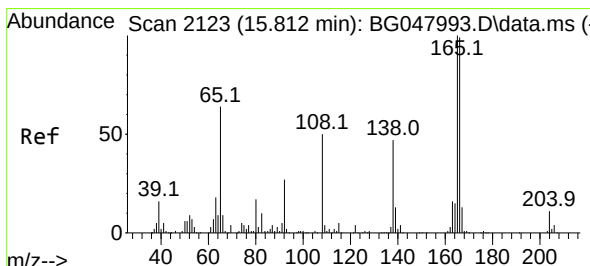
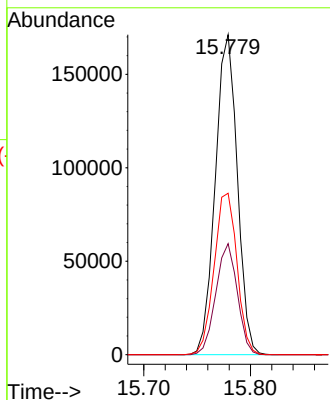
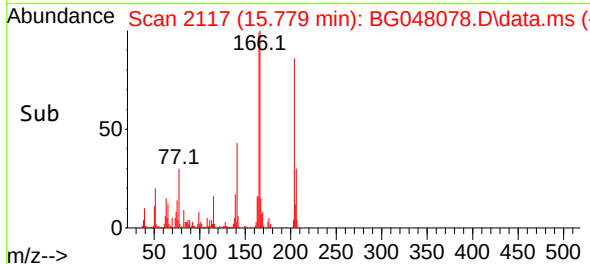
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



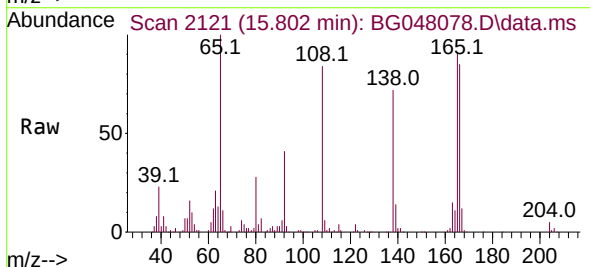
Tgt Ion:204 Resp: 244988  
Ion Ratio Lower Upper  
204 100  
206 34.7 27.8 41.8  
141 50.5 41.5 62.3

Manual Integrations  
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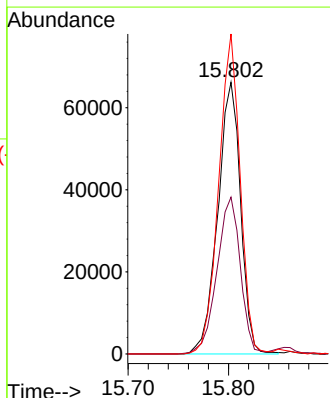
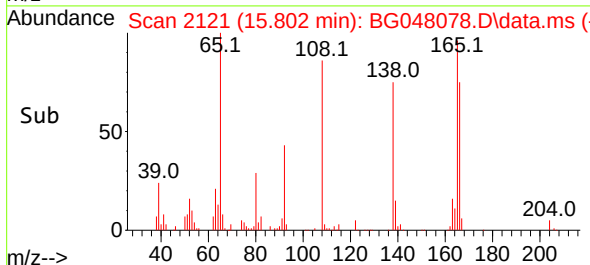
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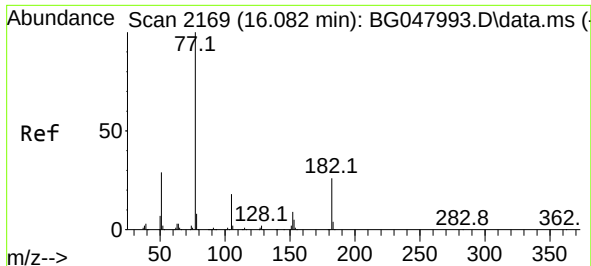


#62  
4-Nitroaniline  
Concen: 41.41 ng  
RT: 15.802 min Scan# 2121  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



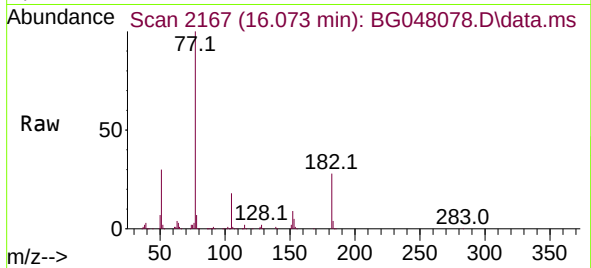
Tgt Ion:138 Resp: 104486  
Ion Ratio Lower Upper  
138 100  
92 57.7 26.9 66.9  
108 117.8 49.4 89.4#





#63  
Azobenzene  
Concen: 44.43 ng  
RT: 16.073 min Scan# 2167  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

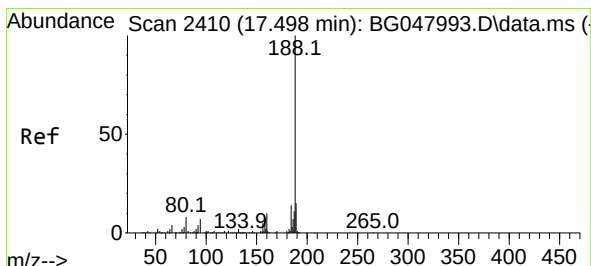
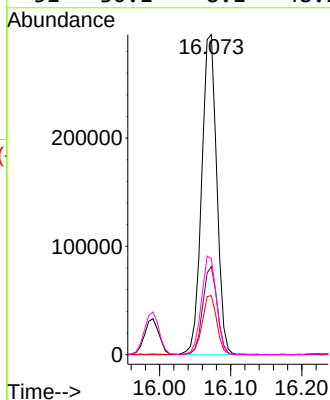
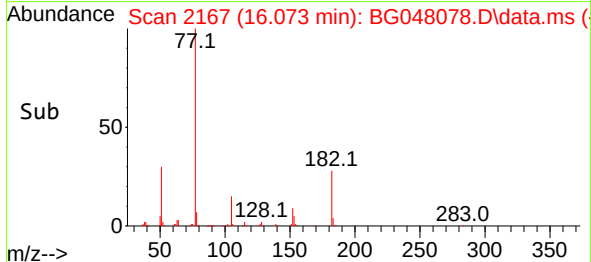
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



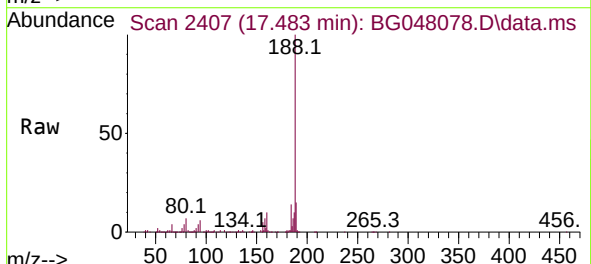
Tgt Ion: 77 Resp: 436712  
Ion Ratio Lower Upper  
77 100  
182 27.5 14.0 54.0  
105 18.4 3.0 43.0  
51 30.1 8.1 48.1

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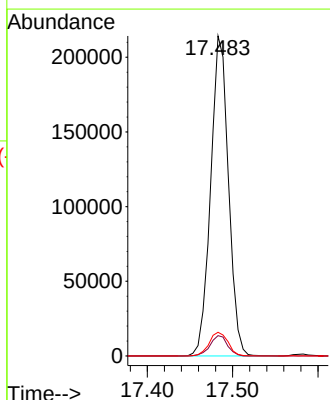
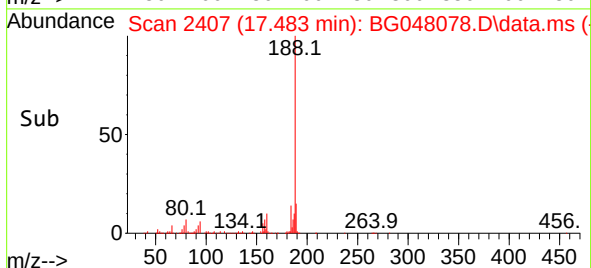
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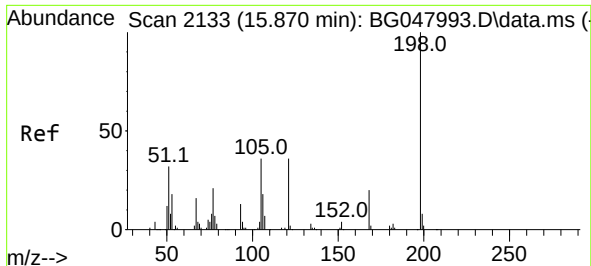


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.483 min Scan# 2407  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion: 188 Resp: 310868  
Ion Ratio Lower Upper  
188 100  
94 6.4 6.3 9.5  
80 7.4 7.0 10.6





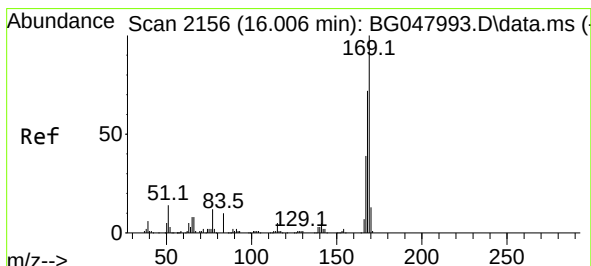
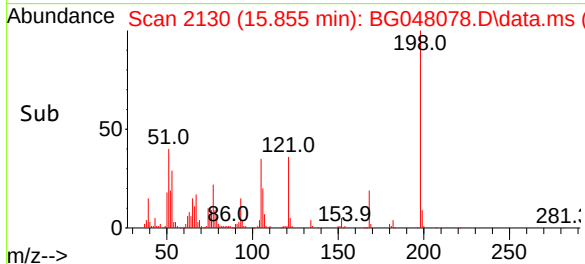
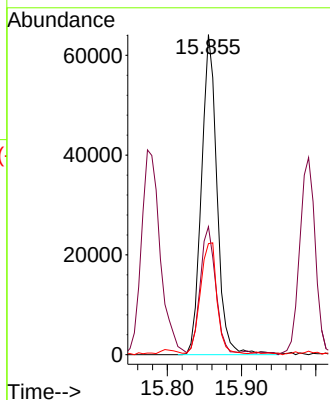
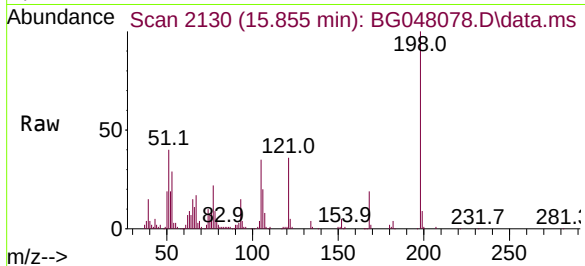
#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.81 ng  
RT: 15.855 min Scan# 2130  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 40.0  | 10.4  | 50.4  |
| 105     | 34.7  | 12.9  | 52.9  |

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

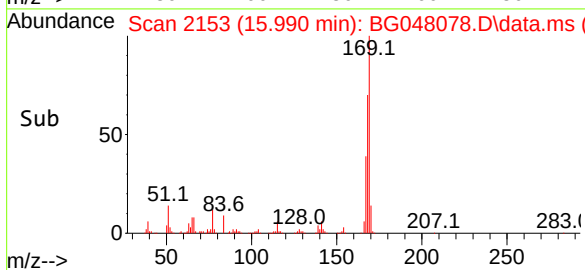
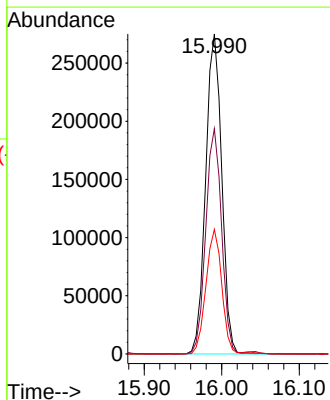
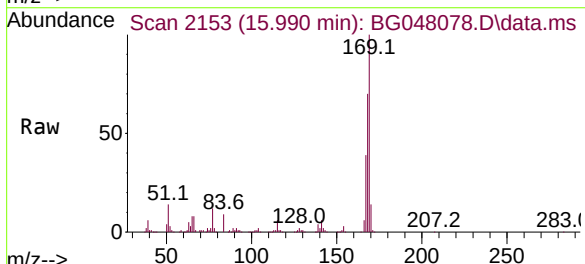
Manual Integrations  
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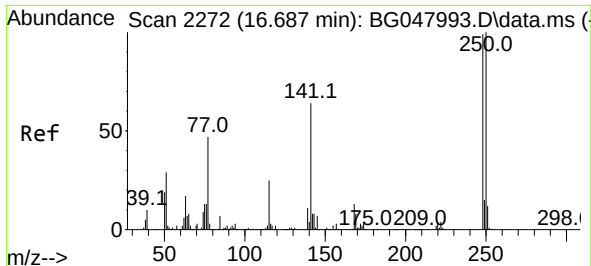
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#66  
n-Nitrosodiphenylamine  
Concen: 42.36 ng  
RT: 15.990 min Scan# 2153  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

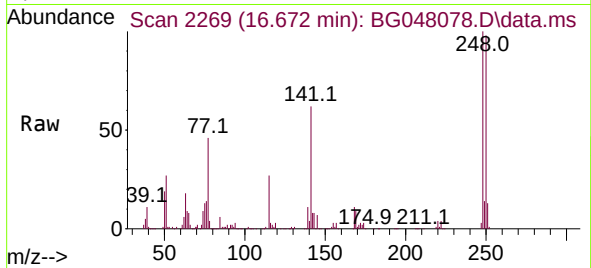
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 70.4  | 55.5  | 83.3  |
| 167     | 38.9  | 30.5  | 45.7  |





#67  
4-Bromophenyl-phenylether  
Concen: 40.76 ng  
RT: 16.672 min Scan# 2269  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

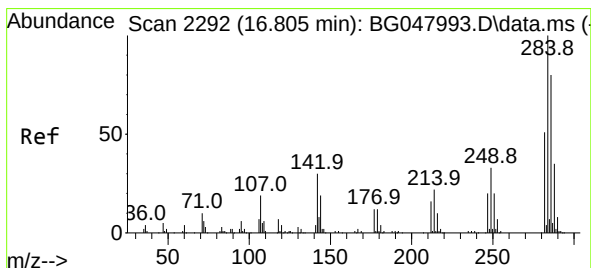
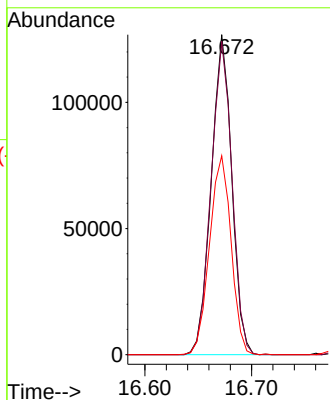
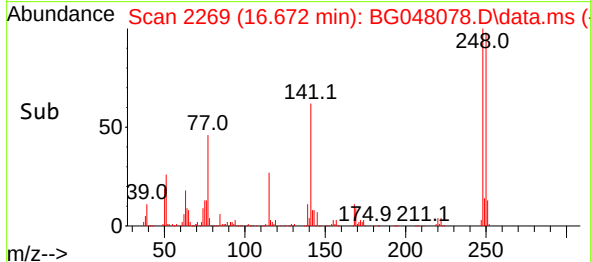
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



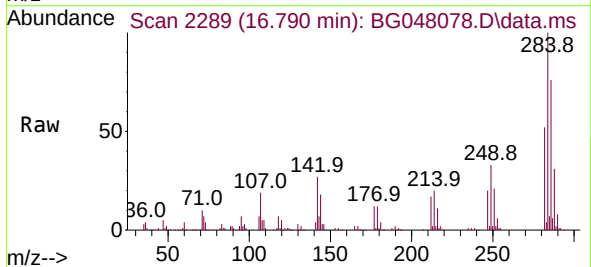
Tgt Ion:248 Resp: 169317  
Ion Ratio Lower Upper  
248 100  
250 97.9 78.9 118.3  
141 62.2 46.2 69.4

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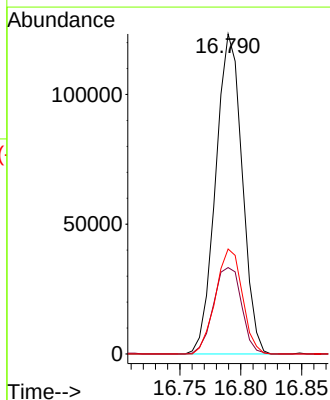
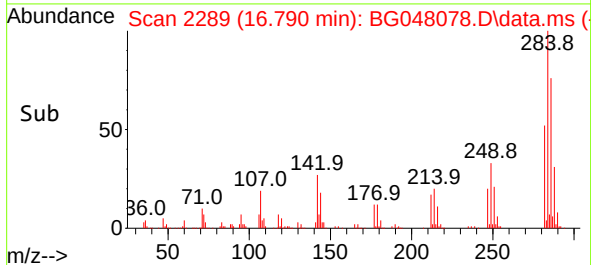
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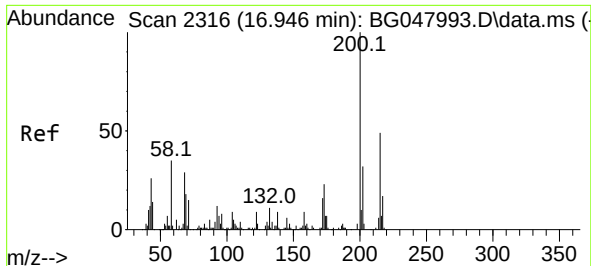


#68  
Hexachlorobenzene  
Concen: 41.30 ng  
RT: 16.790 min Scan# 2289  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:284 Resp: 186570  
Ion Ratio Lower Upper  
284 100  
142 27.0 21.1 31.7  
249 32.8 25.9 38.9





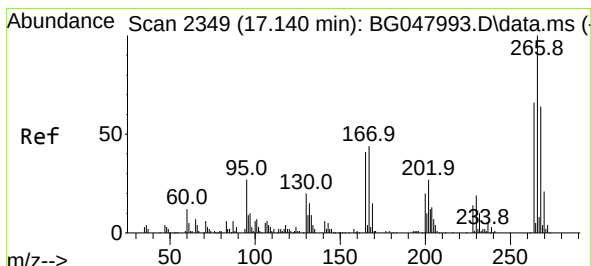
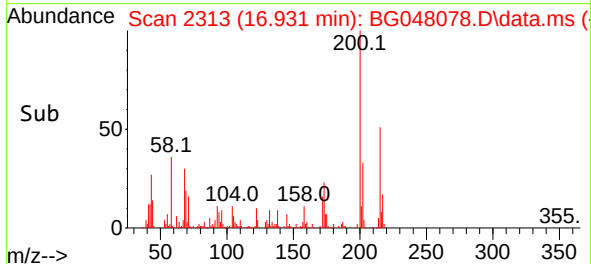
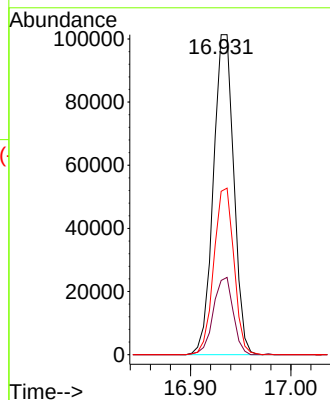
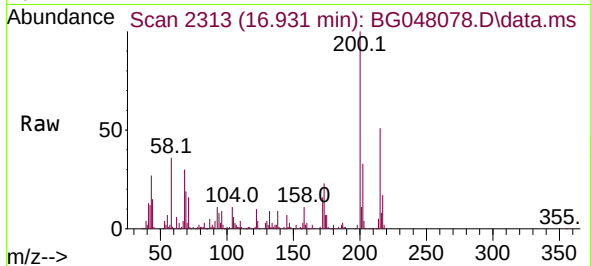
#69  
Atrazine  
Concen: 40.33 ng  
RT: 16.931 min Scan# 2313  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:200 Resp: 143122  
Ion Ratio Lower Upper  
200 100  
173 23.2 4.2 44.2  
215 51.0 30.0 70.0

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

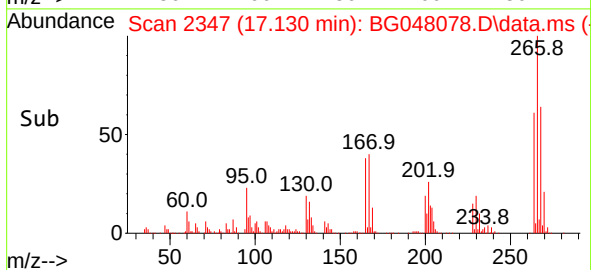
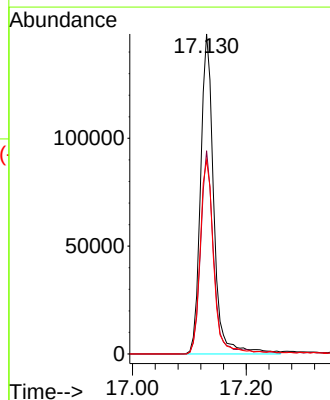
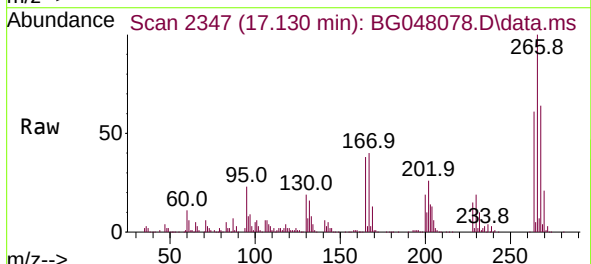
Manual Integrations  
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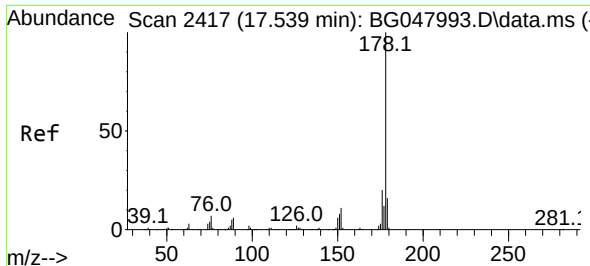
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#70  
Pentachlorophenol  
Concen: 87.24 ng  
RT: 17.130 min Scan# 2347  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

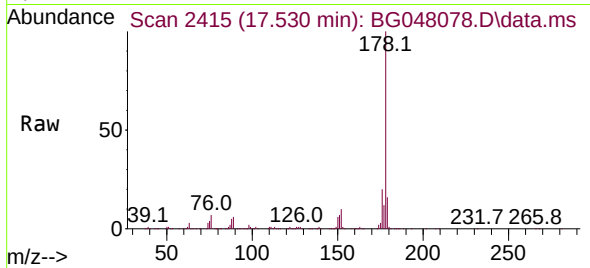
Tgt Ion:266 Resp: 239310  
Ion Ratio Lower Upper  
266 100  
268 63.5 49.8 74.6  
264 60.6 49.3 73.9





#71  
Phenanthrene  
Concen: 42.64 ng  
RT: 17.530 min Scan# 2415  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

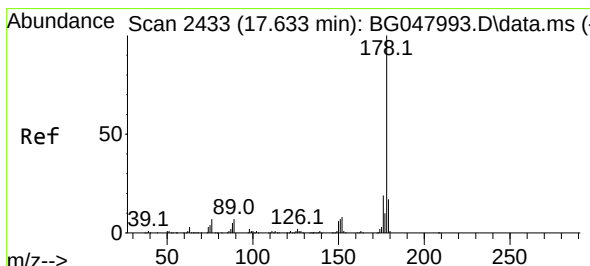
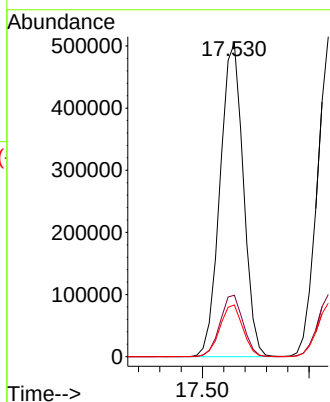
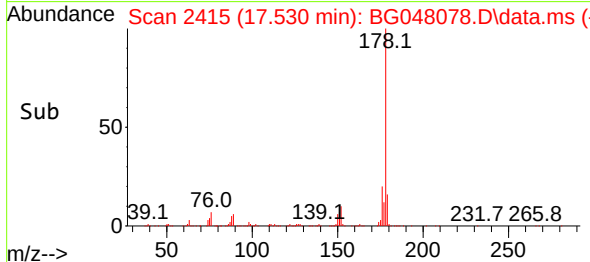
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



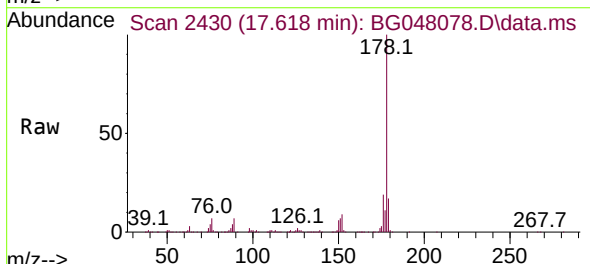
Tgt Ion:178 Resp: 764755  
Ion Ratio Lower Upper  
178 100  
176 19.6 16.7 25.1  
179 16.5 14.0 21.0

Manual Integrations  
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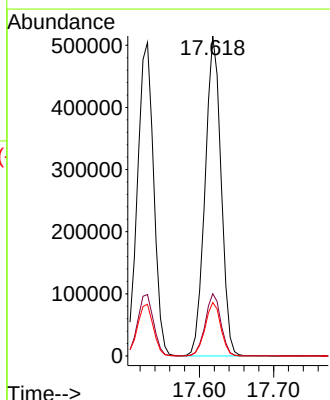
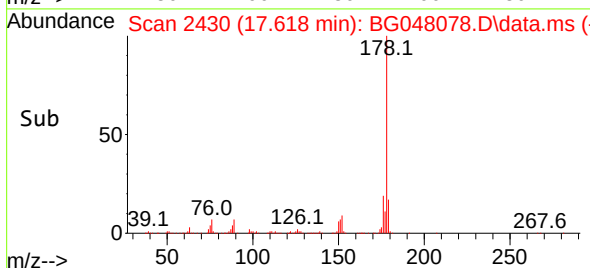
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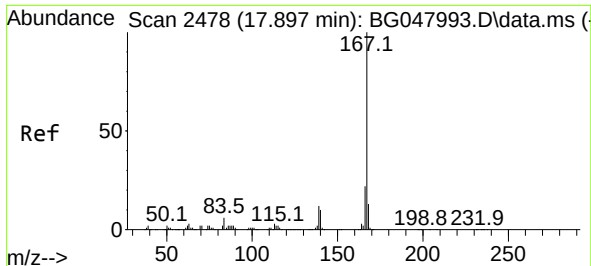


#72  
Anthracene  
Concen: 43.67 ng  
RT: 17.618 min Scan# 2430  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

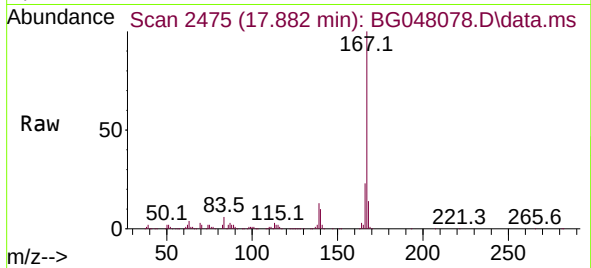


Tgt Ion:178 Resp: 770230  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.4 24.6  
179 16.7 13.8 20.6

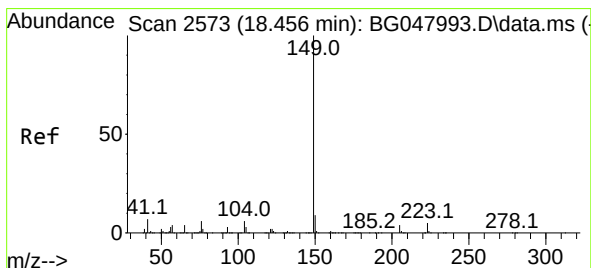
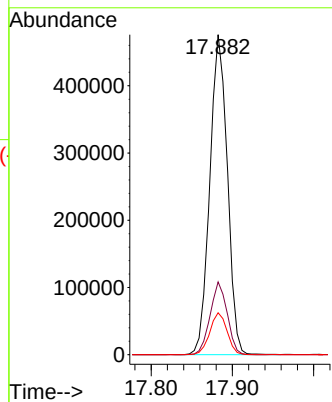
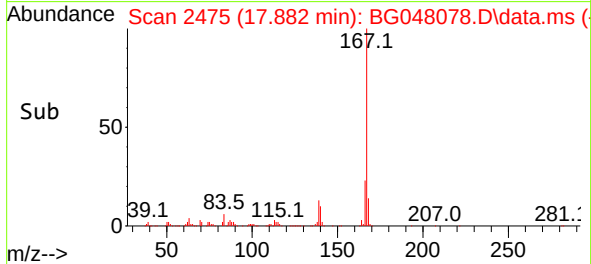




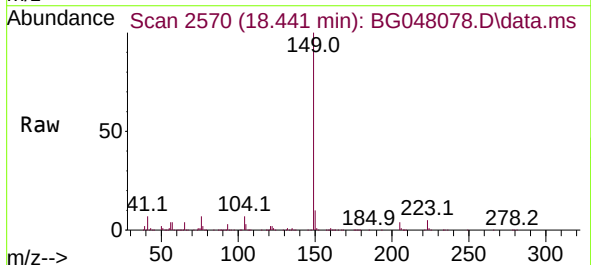
#73  
 Carbazole  
 Concen: 43.30 ng  
 RT: 17.882 min Scan# 2475  
 Delta R.T. -0.002 min  
 Lab File: BG048078.D  
 Acq: 2 Feb 2021 15:50



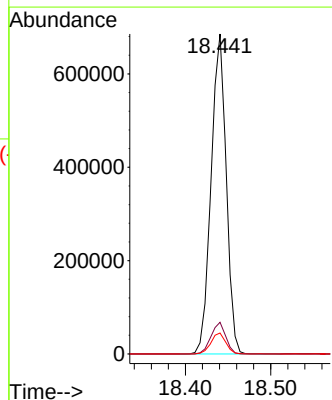
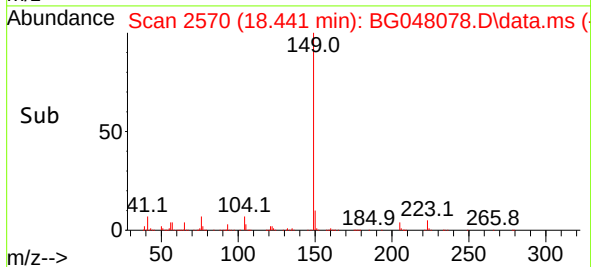
Tgt Ion:167 Resp: 712788  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 18.7 28.1  
 139 13.1 9.6 14.4



#74  
 Di-n-butylphthalate  
 Concen: 41.98 ng  
 RT: 18.441 min Scan# 2570  
 Delta R.T. 0.004 min  
 Lab File: BG048078.D  
 Acq: 2 Feb 2021 15:50



Tgt Ion:149 Resp: 843894  
 Ion Ratio Lower Upper  
 149 100  
 150 9.9 8.2 12.4  
 104 6.5 3.8 5.8#

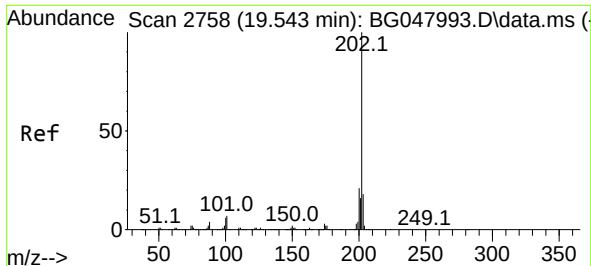


Instrument :  
 BNA\_G  
 ClientSampleId :  
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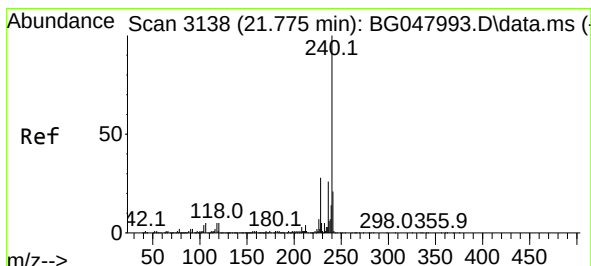
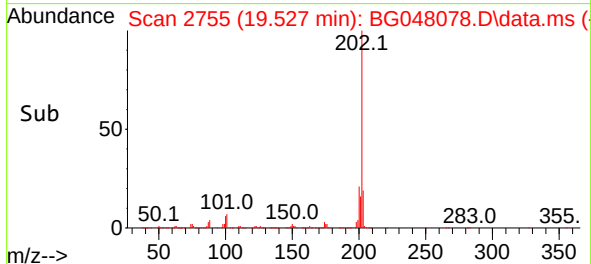
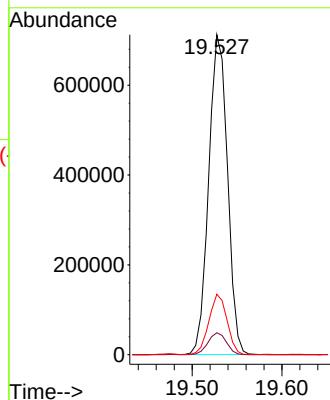
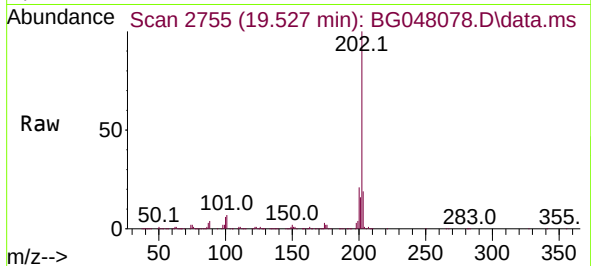
#75  
Fluoranthene  
Concen: 43.90 ng  
RT: 19.527 min Scan# 2755  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:202 Resp: 1032268  
Ion Ratio Lower Upper  
202 100  
101 6.8 0.0 29.7  
203 18.9 0.0 39.2

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

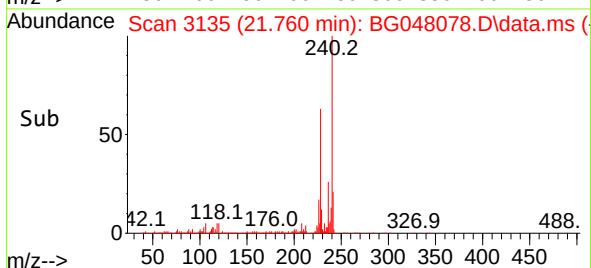
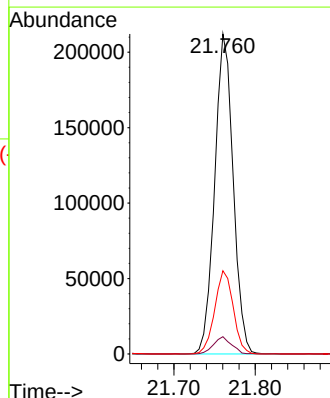
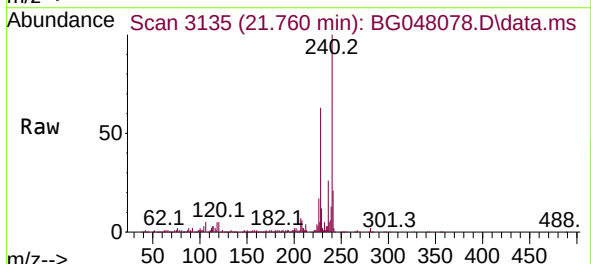
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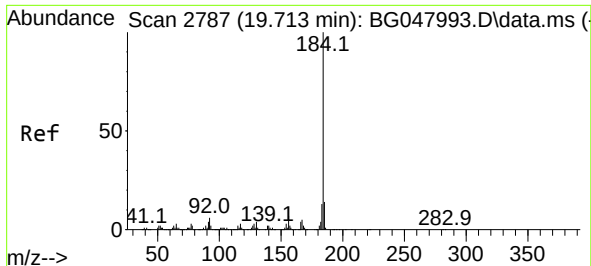
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#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.760 min Scan# 3135  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:240 Resp: 335400  
Ion Ratio Lower Upper  
240 100  
120 5.4 6.2 9.4#  
236 26.0 20.5 30.7





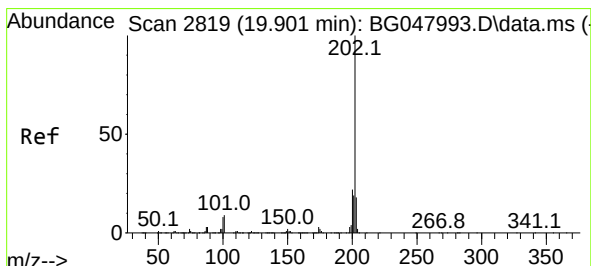
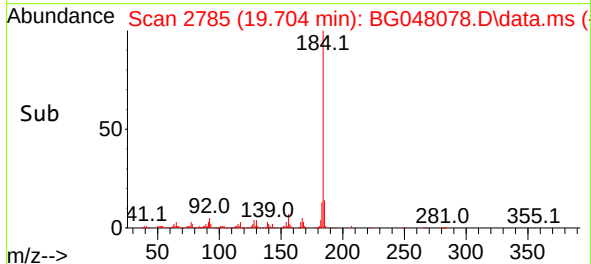
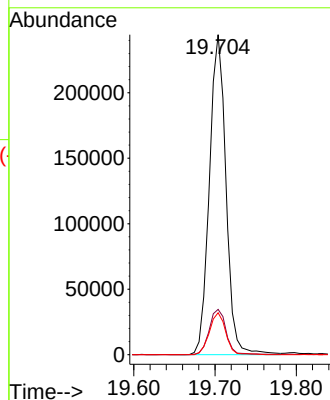
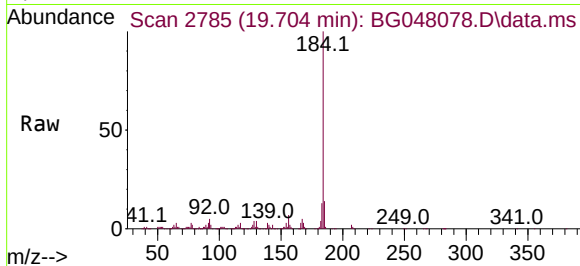
#77  
Benzidine  
Concen: 35.78 ng  
RT: 19.704 min Scan# 2785  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 346164    |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 14.1  | 12.4 18.6 |
| 183         | 13.1  | 10.6 15.8 |

Instrument :  
BNA\_G  
ClientSampleId :  
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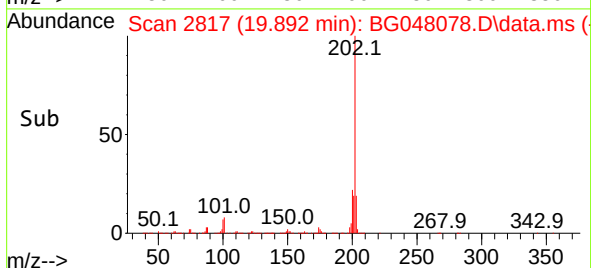
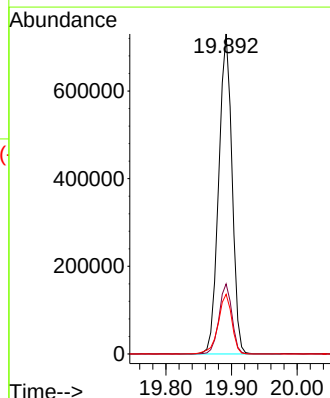
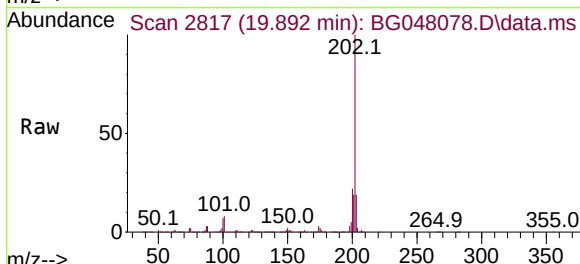
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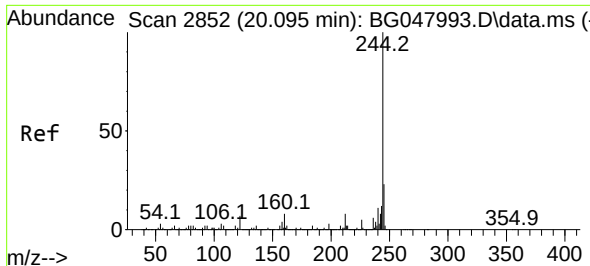
mohammad  
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#78  
Pyrene  
Concen: 41.59 ng  
RT: 19.892 min Scan# 2817  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 1021463   |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 21.9  | 18.6 27.8 |
| 203         | 18.7  | 15.3 22.9 |





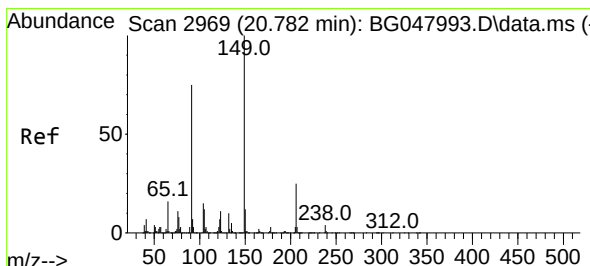
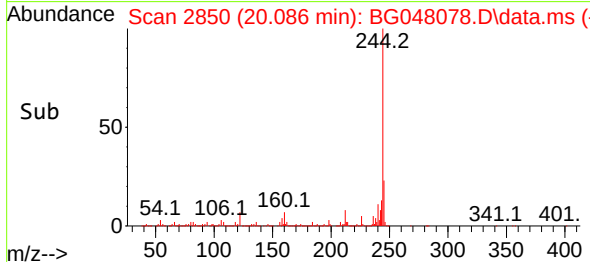
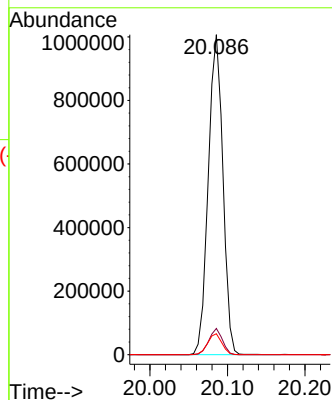
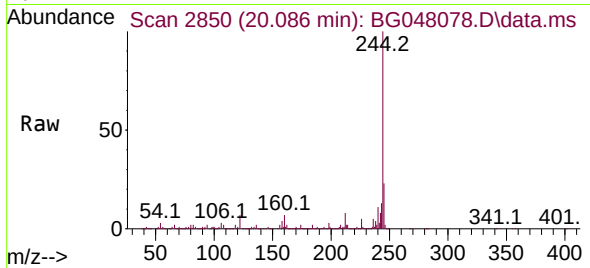
#79  
 Terphenyl-d14  
 Concen: 67.99 ng  
 RT: 20.086 min Scan# 2850  
 Delta R.T. -0.002 min  
 Lab File: BG048078.D  
 Acq: 2 Feb 2021 15:50

Tgt Ion:244 Resp: 1315145  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.7 10.1  
 122 6.6 7.8 11.6#

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB134420BS

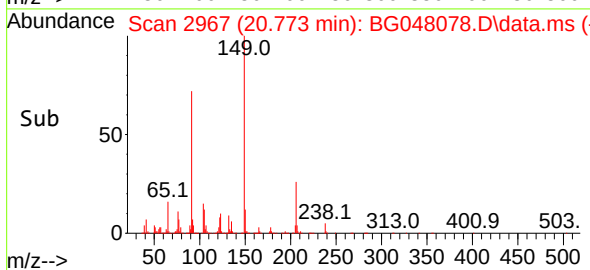
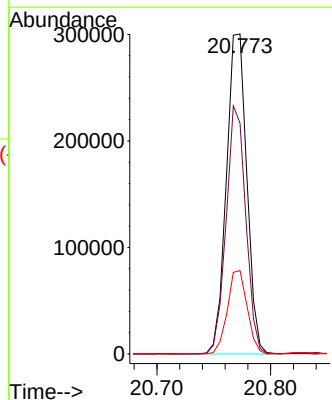
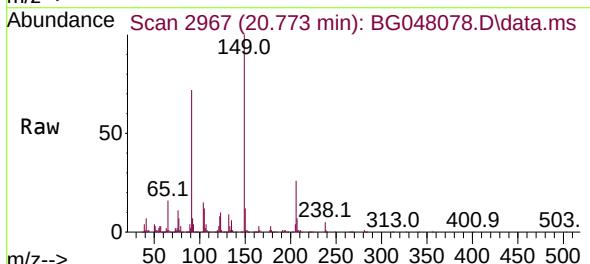
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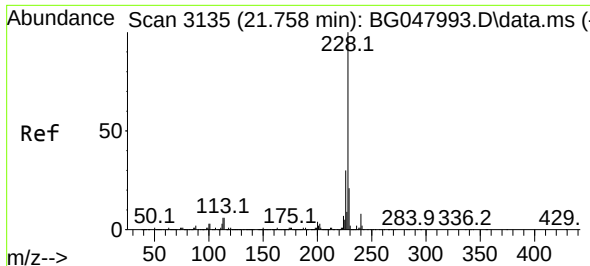
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#80  
 Butylbenzylphthalate  
 Concen: 40.00 ng  
 RT: 20.773 min Scan# 2967  
 Delta R.T. 0.004 min  
 Lab File: BG048078.D  
 Acq: 2 Feb 2021 15:50

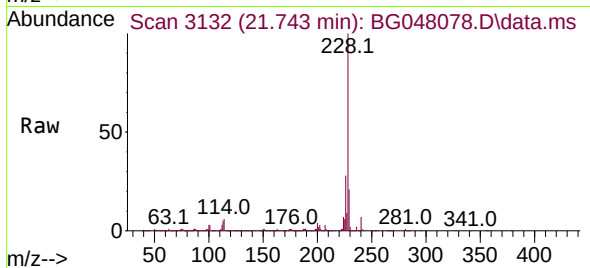
Tgt Ion:149 Resp: 375263  
 Ion Ratio Lower Upper  
 149 100  
 91 72.1 51.5 77.3  
 206 26.0 21.2 31.8





#81  
Benzo(a)anthracene  
Concen: 42.24 ng  
RT: 21.743 min Scan# 3132  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

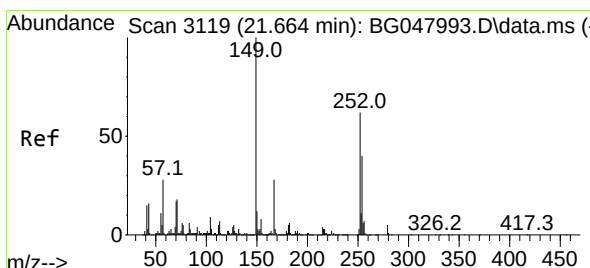
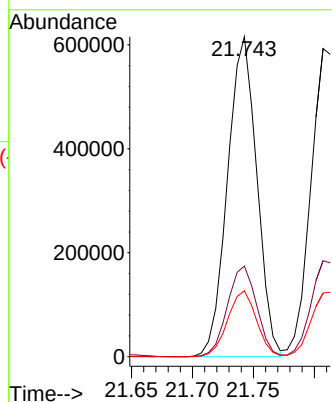
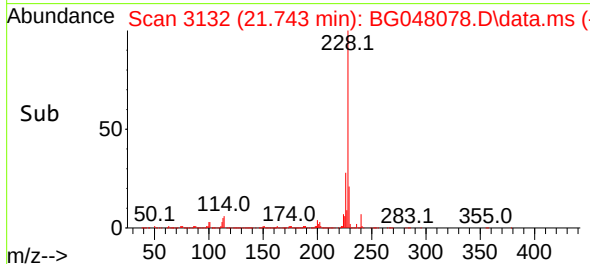
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



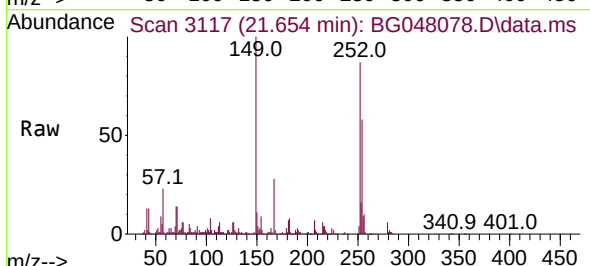
Tgt Ion:228 Resp: 1029510  
Ion Ratio Lower Upper  
228 100  
226 28.3 23.3 34.9  
229 20.6 17.4 26.0

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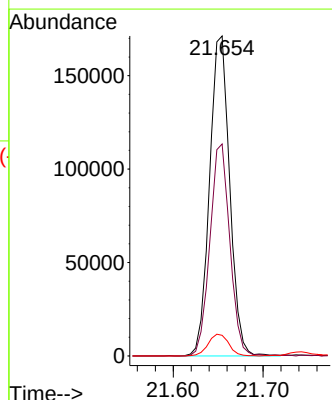
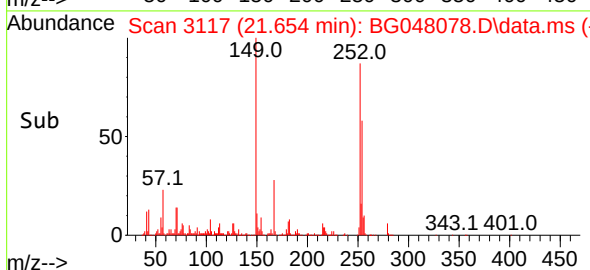
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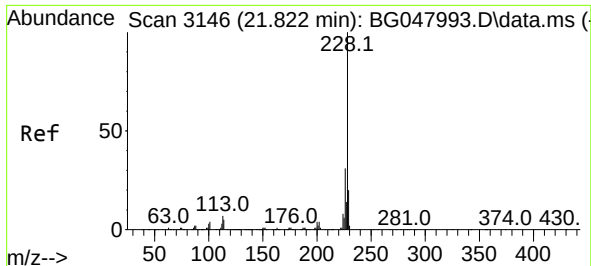


#82  
3,3'-Dichlorobenzidine  
Concen: 32.42 ng  
RT: 21.654 min Scan# 3117  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:252 Resp: 266265  
Ion Ratio Lower Upper  
252 100  
254 66.3 53.2 79.8  
126 6.4 6.8 10.2#





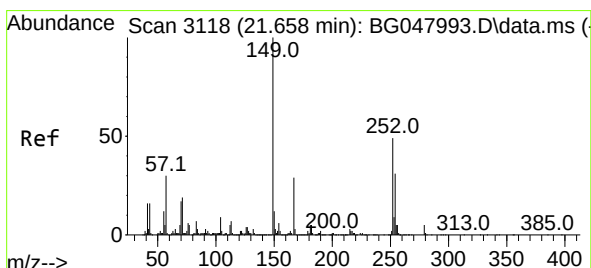
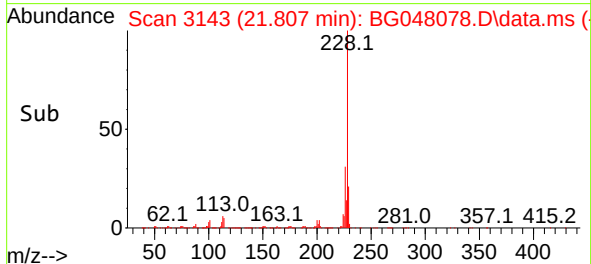
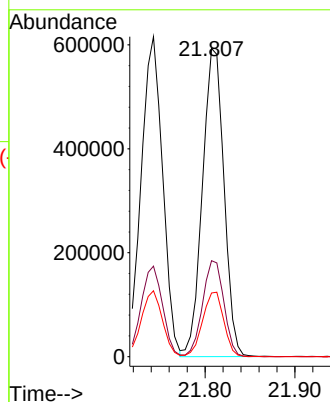
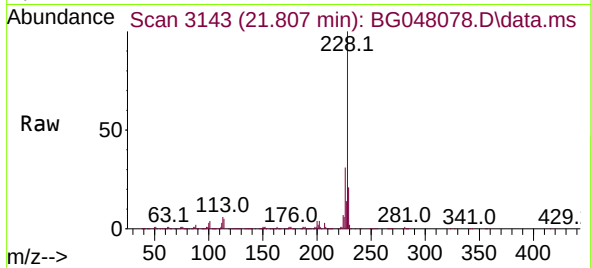
#83  
Chrysene  
Concen: 42.59 ng  
RT: 21.807 min Scan# 3143  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

Tgt Ion:228 Resp: 986477  
Ion Ratio Lower Upper  
228 100  
226 31.2 25.0 37.4  
229 20.7 17.3 25.9

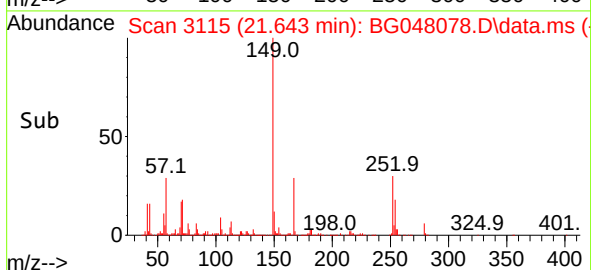
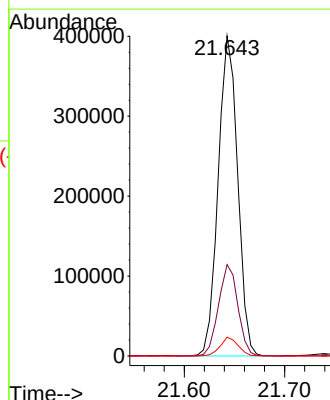
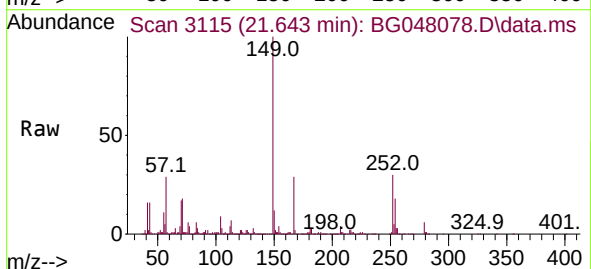
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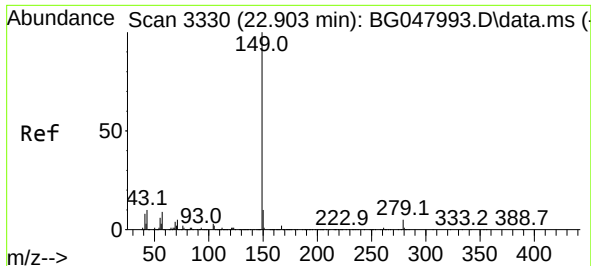
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 41.84 ng  
RT: 21.643 min Scan# 3115  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:149 Resp: 537649  
Ion Ratio Lower Upper  
149 100  
167 28.6 24.8 37.2  
279 5.8 4.6 7.0





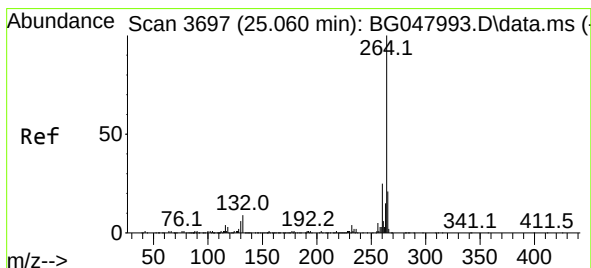
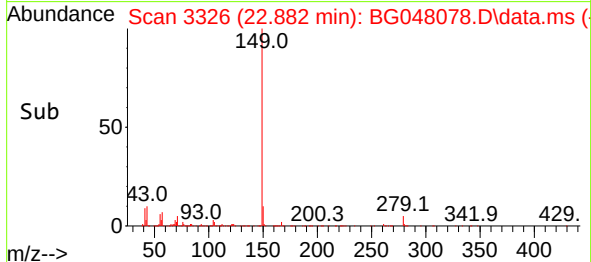
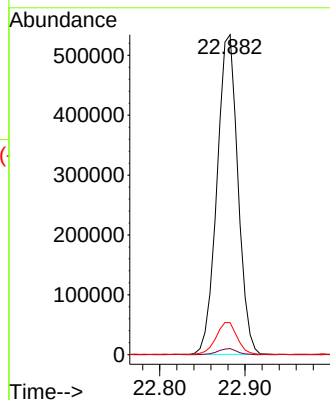
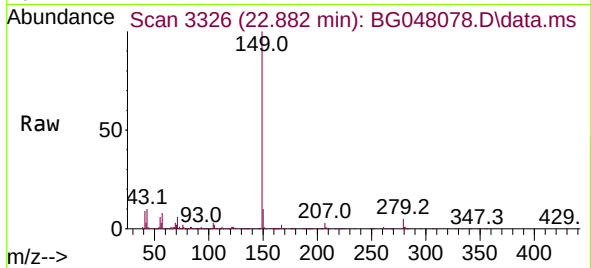
#85  
Di-n-octyl phthalate  
Concen: 42.29 ng  
RT: 22.882 min Scan# 3326  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:149 Resp: 908939  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.4 2.2  
43 10.2 6.8 10.2#

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

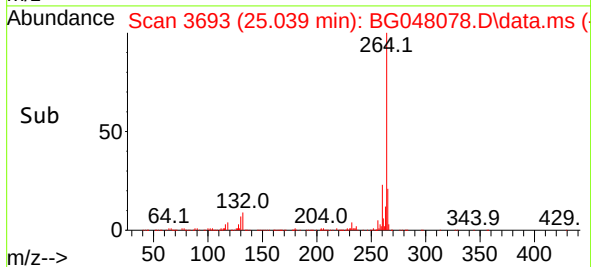
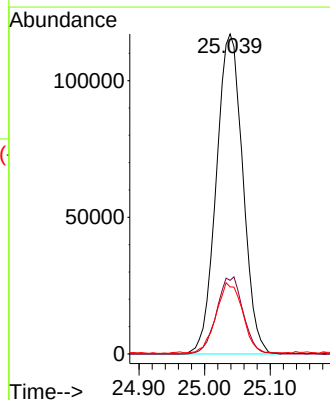
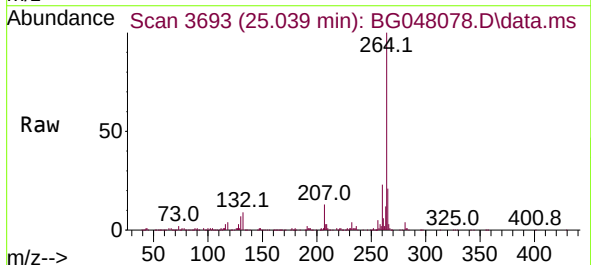
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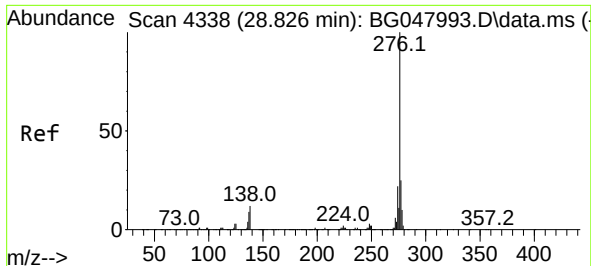
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.039 min Scan# 3693  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion:264 Resp: 328073  
Ion Ratio Lower Upper  
264 100  
260 23.0 18.8 28.2  
265 21.0 17.8 26.8





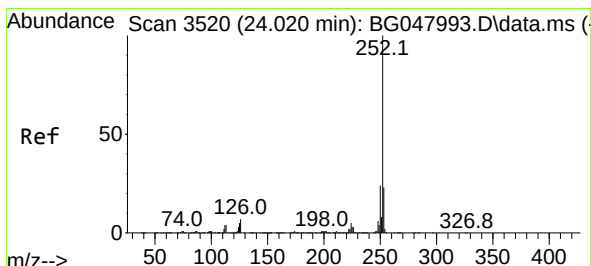
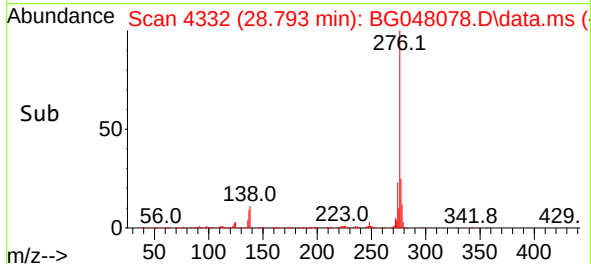
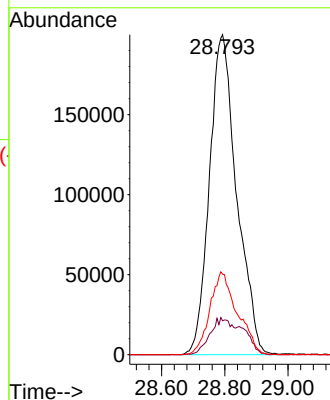
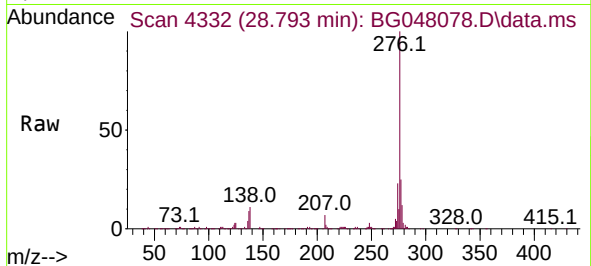
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 45.41 ng  
RT: 28.793 min Scan# 4332  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

Tgt Ion: 276 Resp: 1198396  
Ion Ratio Lower Upper  
276 100  
138 9.5 16.2 24.2#  
277 26.0 20.3 30.5

Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS

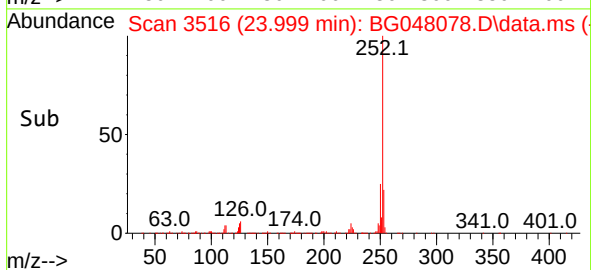
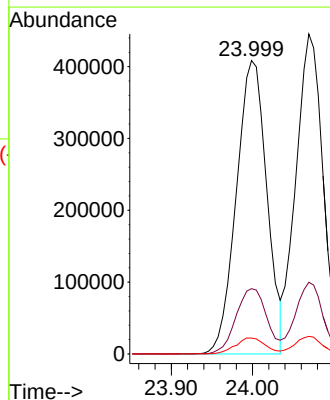
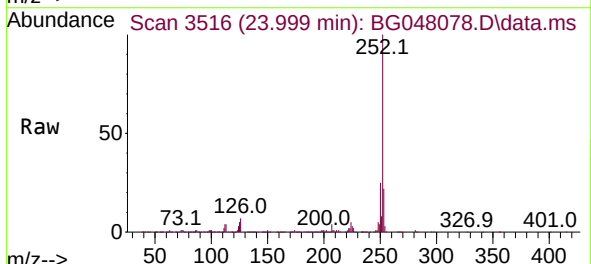
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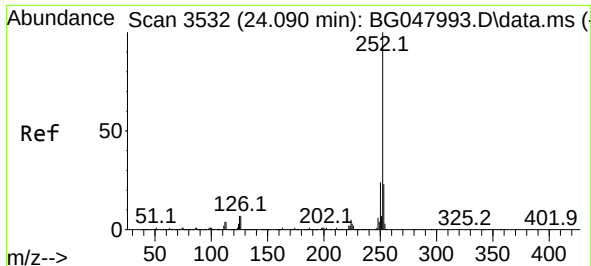
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#88  
Benzo(b)fluoranthene  
Concen: 45.64 ng  
RT: 23.999 min Scan# 3516  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

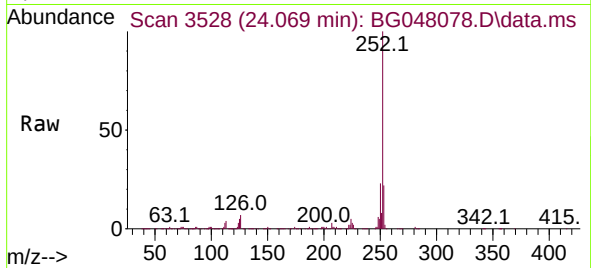
Tgt Ion: 252 Resp: 1064312  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.7 28.1  
125 5.4 6.5 9.7#





#89  
Benzo(k)fluoranthene  
Concen: 45.32 ng  
RT: 24.069 min Scan# 3528  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

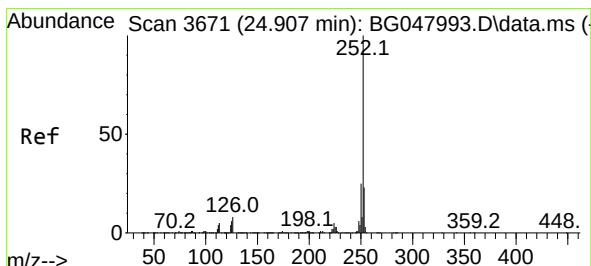
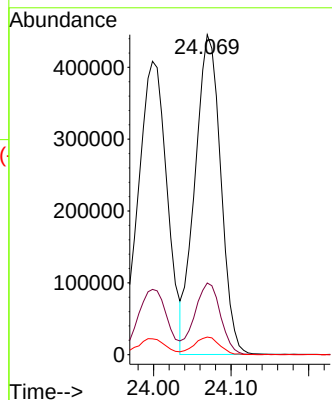
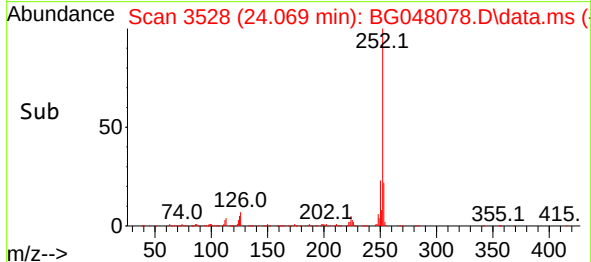
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



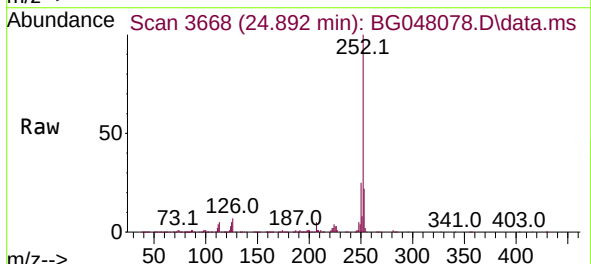
Tgt Ion:252 Resp: 1026844  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.6 27.8  
125 5.5 6.8 10.2#

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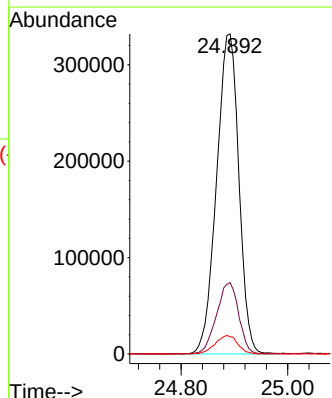
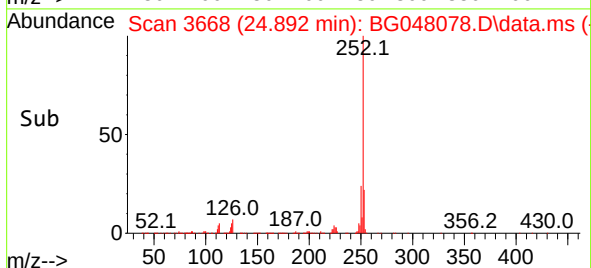
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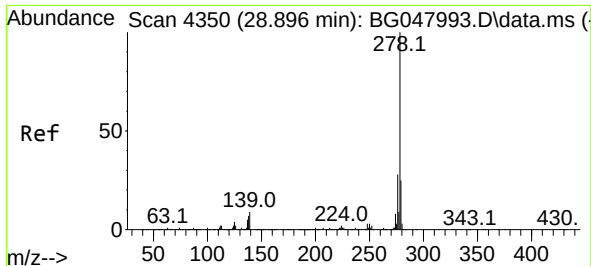
#90  
Benzo(a)pyrene  
Concen: 43.96 ng  
RT: 24.892 min Scan# 3668  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:252 Resp: 962603  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.9 26.9  
125 5.3 7.0 10.4#

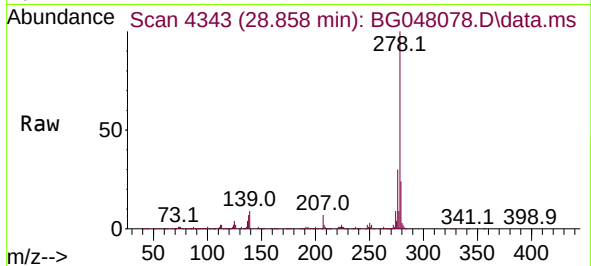






#91  
Dibenzo(a,h)anthracene  
Concen: 46.04 ng  
RT: 28.858 min Scan# 4343  
Delta R.T. 0.004 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50

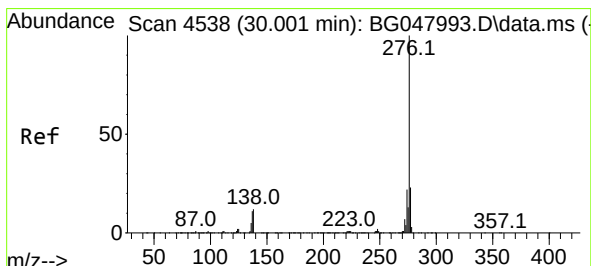
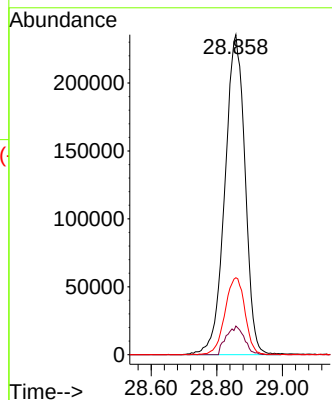
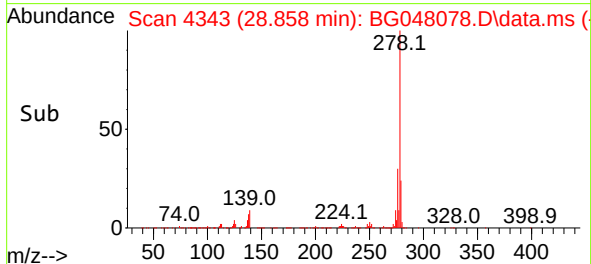
Instrument :  
BNA\_G  
ClientSampleId :  
PB134420BS



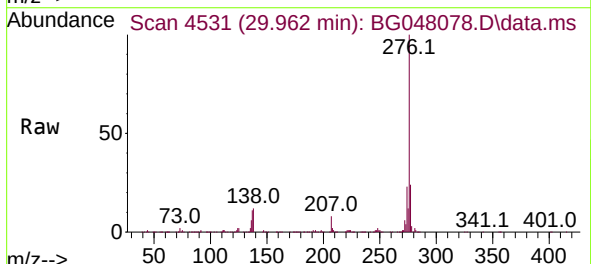
Tgt Ion:278 Resp: 1002769  
Ion Ratio Lower Upper  
278 100  
139 9.0 10.5 15.7#  
279 24.1 19.4 29.0

Manual Integrations  
APPROVED

mohammad  
2/3/2021 11:04:13 AM



#92  
Benzo(g,h,i)perylene  
Concen: 47.18 ng  
RT: 29.962 min Scan# 4531  
Delta R.T. -0.002 min  
Lab File: BG048078.D  
Acq: 2 Feb 2021 15:50



Tgt Ion:276 Resp: 989732  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.6 29.4  
138 11.5 13.4 20.2#

