

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\  
 Data File : BG046141.D  
 Acq On : 1 Aug 2020 2:54  
 Operator : CG/JU  
 Sample : L3507-07MSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

Manual Integrations  
 APPROVED

mohammad  
 8/3/2020 12:22:32 PM

Quant Time: Aug 01 04:56:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 30 18:43:49 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.95  | 152  | 90288    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.75 | 136  | 349102   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.58 | 164  | 234385   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.32 | 188  | 561044   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.57 | 240  | 594254   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.67 | 264  | 629745   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.54  | 112 | 580713  | 111.81 | ng | 0.00 |
| 7) Phenol-d6                | 7.12  | 99  | 692296  | 97.80  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.11  | 82  | 546469  | 84.75  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.07 | 330 | 426192  | 118.38 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.20 | 172 | 1237625 | 76.70  | ng | 0.00 |
| 79) Terphenyl-d14           | 19.94 | 244 | 2111370 | 72.36  | ng | 0.00 |

|                                |       |     |        |        |        |      |
|--------------------------------|-------|-----|--------|--------|--------|------|
| Target Compounds               |       |     |        |        | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.46  | 88  | 83078  | 35.143 | ng     | # 24 |
| 3) Pyridine                    | 3.85  | 79  | 168638 | 25.913 | ng     | 98   |
| 4) n-Nitrosodimethylamine      | 3.75  | 42  | 121508 | 43.869 | ng     | 92   |
| 6) Aniline                     | 7.28  | 93  | 243011 | 28.841 | ng     | 97   |
| 8) 2-Chlorophenol              | 7.52  | 128 | 266246 | 46.379 | ng     | 98   |
| 9) Benzaldehyde                | 7.09  | 77  | 173417 | 41.286 | ng     | 95   |
| 10) Phenol                     | 7.15  | 94  | 284097 | 39.946 | ng     | 98   |
| 11) bis(2-Chloroethyl)ether    | 7.38  | 93  | 259118 | 45.804 | ng     | 98   |
| 12) 1,3-Dichlorobenzene        | 7.85  | 146 | 286269 | 41.141 | ng     | 97   |
| 13) 1,4-Dichlorobenzene        | 7.99  | 146 | 287391 | 41.131 | ng     | 99   |
| 14) 1,2-Dichlorobenzene        | 8.30  | 146 | 284950 | 43.242 | ng     | 98   |
| 15) Benzyl Alcohol             | 8.19  | 79  | 239023 | 48.878 | ng     | 99   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.48  | 45  | 440749 | 47.522 | ng     | 98   |
| 17) 2-Methylphenol             | 8.40  | 107 | 226477 | 47.169 | ng     | 98   |
| 18) Hexachloroethane           | 9.04  | 117 | 101674 | 43.510 | ng     | 97   |
| 19) n-Nitroso-di-n-propylamine | 8.76  | 70  | 213059 | 46.249 | ng     | 97   |
| 20) 3+4-Methylphenols          | 8.72  | 107 | 303855 | 46.236 | ng     | 98   |
| 22) Acetophenone               | 8.77  | 105 | 396084 | 44.210 | ng     | 98   |
| 24) Nitrobenzene               | 9.15  | 77  | 302045 | 43.937 | ng     | 100  |
| 25) Isophorone                 | 9.67  | 82  | 577151 | 44.985 | ng     | 99   |
| 26) 2-Nitrophenol              | 9.86  | 139 | 148300 | 47.599 | ng     | 94   |
| 27) 2,4-Dimethylphenol         | 9.93  | 122 | 246143 | 48.559 | ng     | 98   |
| 28) bis(2-Chloroethoxy)methane | 10.16 | 93  | 346437 | 49.659 | ng     | 100  |
| 29) 2,4-Dichlorophenol         | 10.40 | 162 | 277340 | 46.512 | ng     | 99   |
| 30) 1,2,4-Trichlorobenzene     | 10.61 | 180 | 287057 | 41.095 | ng     | 100  |
| 31) Naphthalene                | 10.80 | 128 | 791782 | 42.865 | ng     | 100  |
| 32) Benzoic acid               | 10.06 | 122 | 145906 | 40.887 | ng     | 97   |
| 33) 4-Chloroaniline            | 10.91 | 127 | 67331  | 8.920  | ng     | 98   |
| 34) Hexachlorobutadiene        | 11.10 | 225 | 184423 | 39.661 | ng     | 97   |
| 35) Caprolactam                | 11.67 | 113 | 79323m | 40.644 | ng     |      |
| 36) 4-Chloro-3-methylphenol    | 12.03 | 107 | 288792 | 49.353 | ng     | 100  |
| 37) 2-Methylnaphthalene        | 12.41 | 142 | 614149 | 43.209 | ng     | 99   |
| 38) 1-Methylnaphthalene        | 12.63 | 142 | 585666 | 43.544 | ng     | 100  |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.78 | 216 | 343953 | 40.729 | ng     | 99   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\  
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 Operator : CG/JU  
 Sample : L3507-07MSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SU-01-073020MSD

Manual Integrations  
 APPROVED

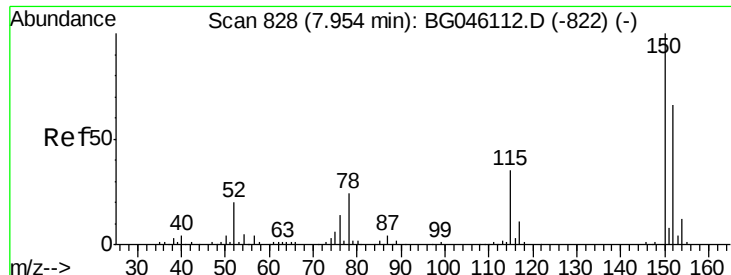
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 8/3/2020 12:22:32 PM

Quant Time: Aug 01 04:56:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 30 18:43:49 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.76 | 237  | 446741   | 92.227 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.01 | 196  | 247931   | 46.017 | nq    | 100      |
| 44) 2,4,5-Trichlorophenol      | 13.09 | 196  | 270646   | 46.039 | nq    | 97       |
| 46) 1,1'-Biphenyl              | 13.42 | 154  | 799582   | 43.487 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.46 | 162  | 616087   | 42.006 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.65 | 65   | 197554   | 51.388 | nq    | 98       |
| 49) Acenaphthylene             | 14.30 | 152  | 1000853  | 43.946 | nq    | 99       |
| 50) Dimethylphthalate          | 14.04 | 163  | 846560   | 47.059 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.15 | 165  | 192483   | 45.975 | nq    | 100      |
| 52) Acenaphthene               | 14.64 | 154  | 725008m  | 48.235 | nq    |          |
| 53) 3-Nitroaniline             | 14.47 | 138  | 116898   | 28.164 | nq    | 98       |
| 54) 2,4-Dinitrophenol          | 14.68 | 184  | 219583   | 82.537 | nq    | 90       |
| 55) Dibenzofuran               | 14.98 | 168  | 959375   | 42.300 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.79 | 139  | 319684   | 88.712 | nq    | 93       |
| 57) 2,4-Dinitrotoluene         | 14.94 | 165  | 272177   | 47.283 | nq    | 98       |
| 58) Fluorene                   | 15.63 | 166  | 799526   | 43.530 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.20 | 232  | 266889   | 48.199 | nq    | 98       |
| 60) Diethylphthalate           | 15.40 | 149  | 836719   | 47.281 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.63 | 204  | 427243   | 44.537 | nq    | 97       |
| 62) 4-Nitroaniline             | 15.64 | 138  | 203205   | 48.679 | nq    | 94       |
| 63) Azobenzene                 | 15.91 | 77   | 757293   | 45.661 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.70 | 198  | 169196   | 45.600 | nq    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.84 | 169  | 739344   | 43.535 | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.51 | 248  | 303177   | 43.741 | nq    | 98       |
| 68) Hexachlorobenzene          | 16.64 | 284  | 332822   | 42.823 | nq    | 99       |
| 69) Atrazine                   | 16.78 | 200  | 282466   | 43.194 | nq    | 99       |
| 70) Pentachlorophenol          | 16.98 | 266  | 471589   | 93.516 | nq    | 99       |
| 71) Phenanthrene               | 17.36 | 178  | 1331915  | 43.338 | nq    | 99       |
| 72) Anthracene                 | 17.45 | 178  | 1370862  | 44.844 | nq    | 99       |
| 73) Carbazole                  | 17.72 | 167  | 1299045  | 44.070 | nq    | 98       |
| 74) Di-n-butylphthalate        | 18.29 | 149  | 1505322  | 48.856 | nq    | 99       |
| 75) Fluoranthene               | 19.37 | 202  | 1708892  | 44.539 | nq    | 97       |
| 77) Benzidine                  | 19.55 | 184  | 336349   | 19.982 | nq    | 96       |
| 78) Pyrene                     | 19.73 | 202  | 1715401  | 42.962 | nq    | 98       |
| 80) Butylbenzylphthalate       | 20.63 | 149  | 714446   | 49.395 | nq    | 97       |
| 81) Benzo(a)anthracene         | 21.55 | 228  | 1715608  | 43.140 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.47 | 252  | 447198   | 27.080 | nq    | 99       |
| 83) Chrysene                   | 21.62 | 228  | 1637138  | 42.025 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.48 | 149  | 982904   | 47.533 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.66 | 149  | 1678100  | 47.929 | nq    | 98       |
| 87) Indeno(1,2,3-cd)pyrene     | 28.20 | 276  | 2196217  | 45.728 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 23.70 | 252  | 1870699  | 44.329 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 23.76 | 252  | 1748660  | 42.246 | nq    | 99       |
| 90) Benzo(a)pyrene             | 24.53 | 252  | 1703410  | 43.378 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.26 | 278  | 1791126  | 44.611 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 29.30 | 276  | 1843363  | 45.461 | nq    | 98       |

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





#1

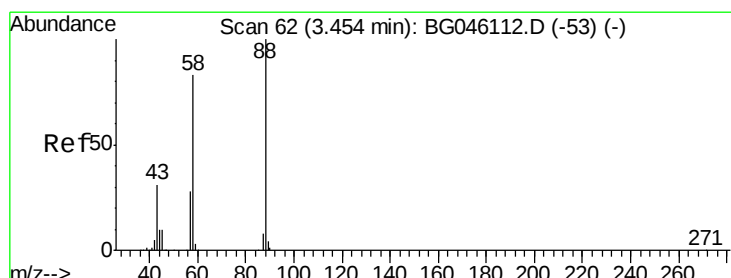
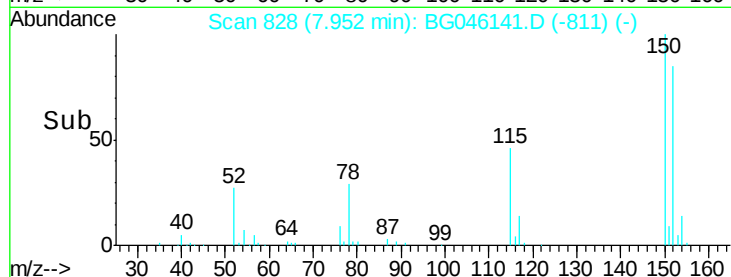
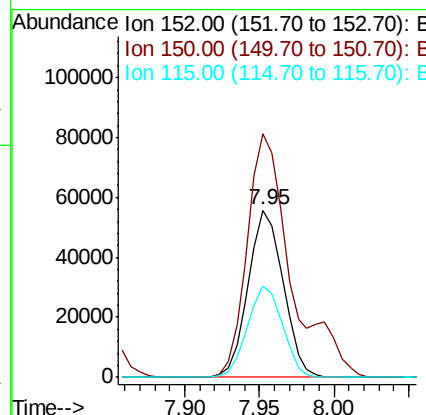
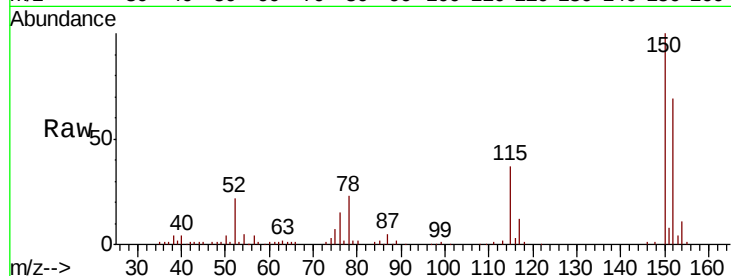
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.0 | 122.1 | 183.1 |
| 115     | 54.7  | 43.2  | 64.8  |

Manual Integrations  
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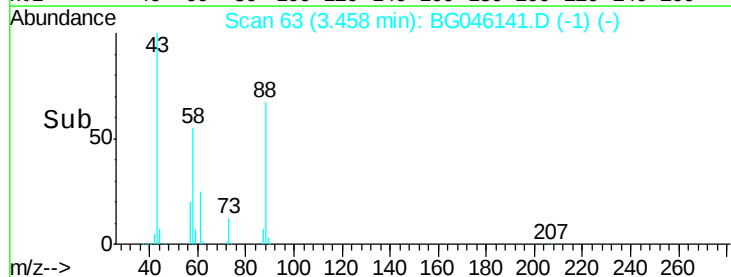
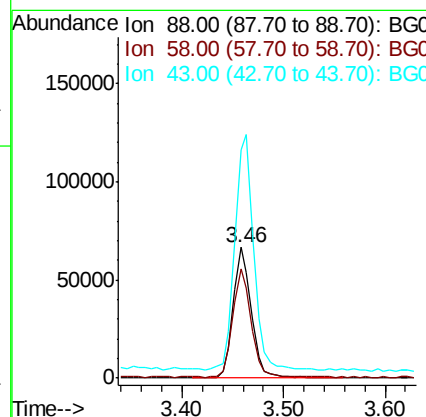
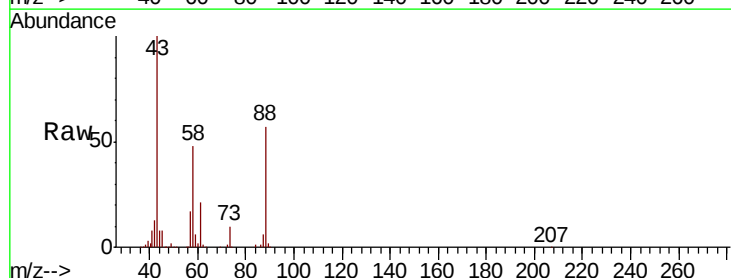
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8/3/2020 12:22:32 PM

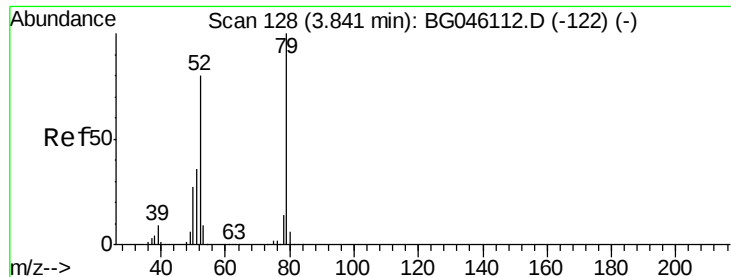


#2

1,4-Dioxane  
Concen: 35.143 ng  
RT: 3.46 min Scan# 63  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 84.3  | 66.5  | 99.7  |
| 43      | 184.2 | 23.8  | 35.8# |





#3

Pvridine

Concen: 25.913 ng

RT: 3.85 min Scan# 130

Delta R.T. 0.01 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

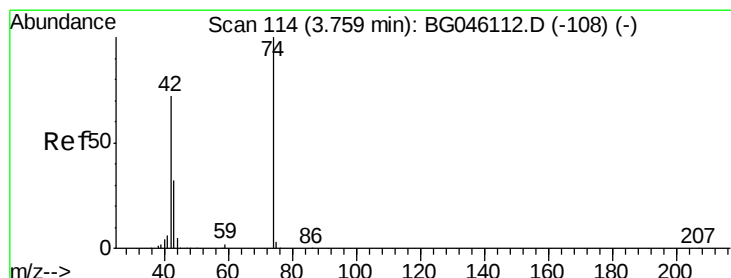
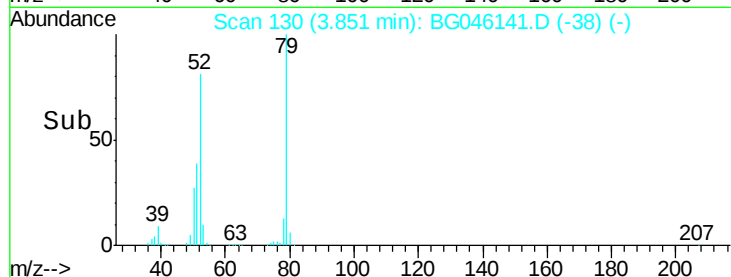
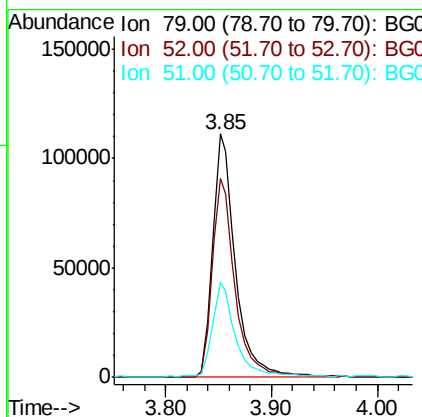
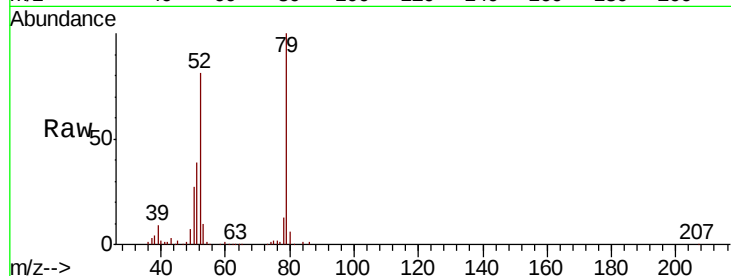
ClientSampleId :

SU-01-073020MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 168638 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 81.4  | 64.3  | 96.5   |
| 51        | 39.2  | 29.8  | 44.6   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 43.869 ng

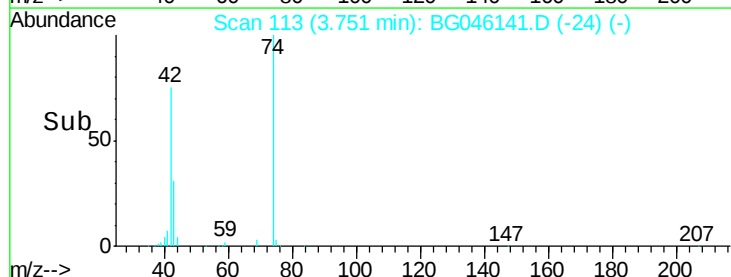
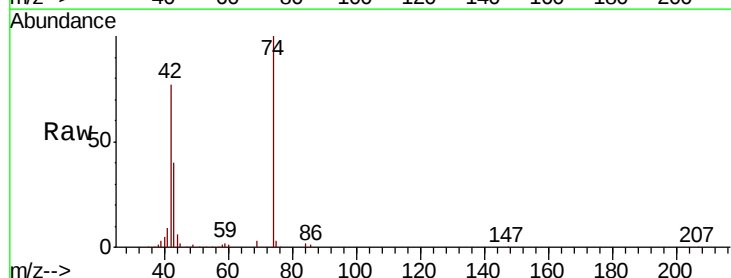
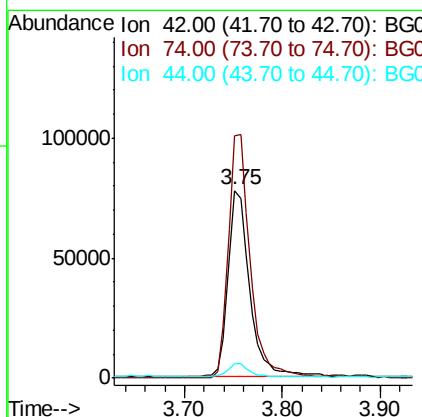
RT: 3.75 min Scan# 113

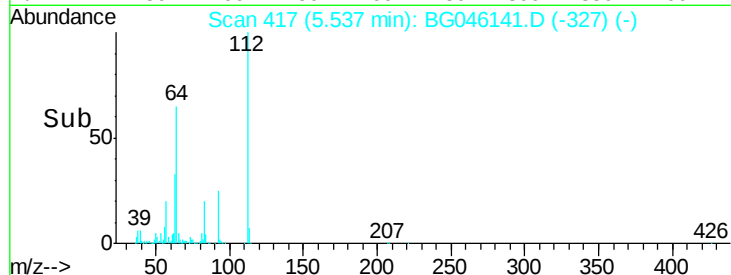
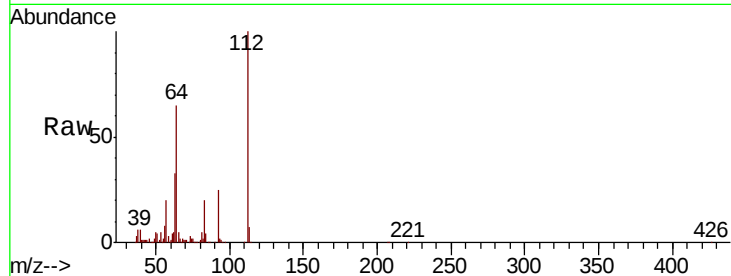
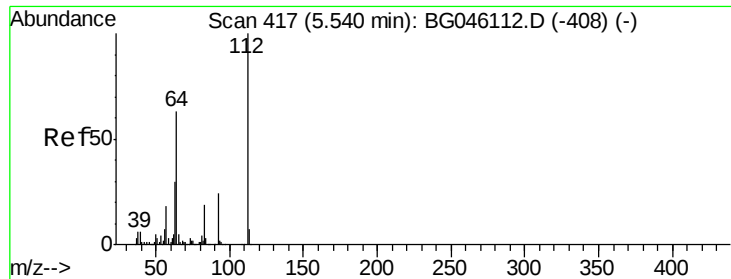
Delta R.T. -0.01 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 121508 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 129.2 | 111.6 | 167.4  |
| 44        | 8.0   | 5.7   | 8.5    |





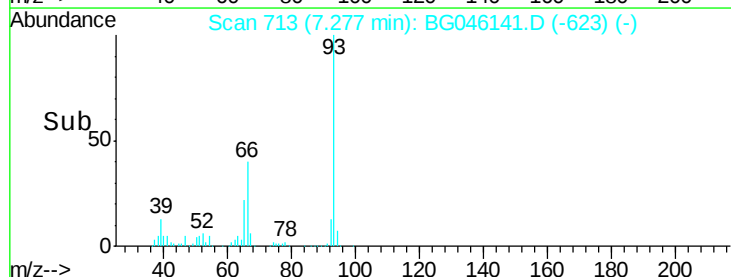
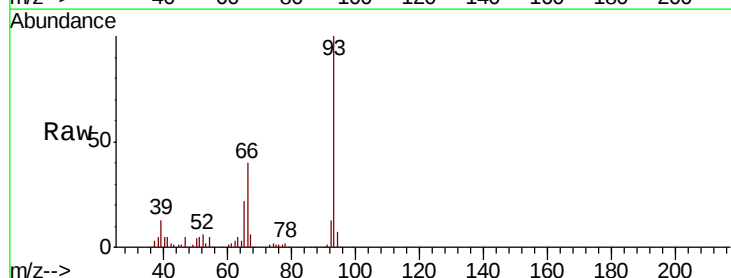
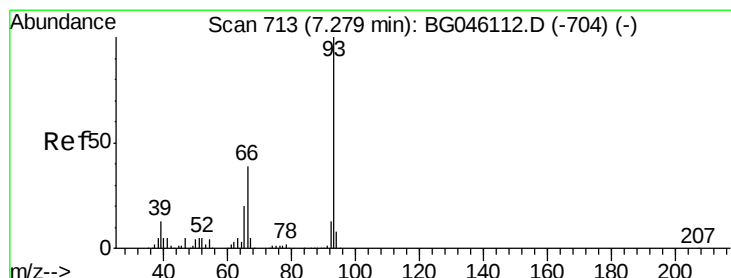
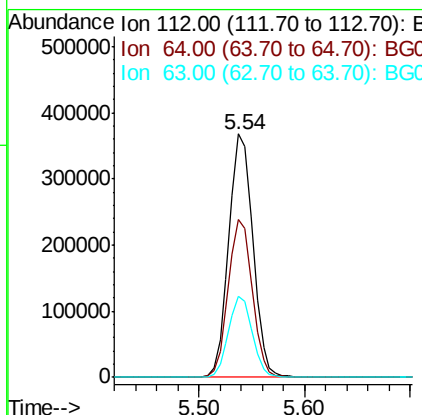
#5  
2-Fluorophenol  
Concen: 111.808 ng  
RT: 5.54 min Scan# 417  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 112     | 100   |            |       |
| 64      | 65.0  | 50.2       | 75.2  |
| 63      | 33.2  | 24.2       | 36.4  |

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

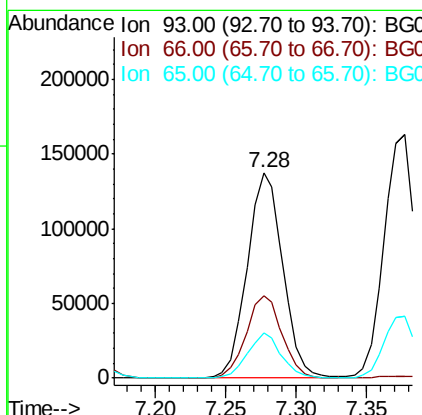
Manual Integrations  
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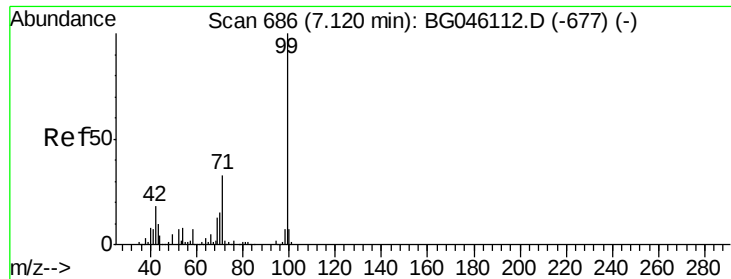
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8/3/2020 12:22:32 PM



#6  
Aniline  
Concen: 28.841 ng  
RT: 7.28 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 66      | 39.8  | 31.0       | 46.4  |
| 65      | 21.7  | 15.9       | 23.9  |





#7

Phenol-d6

Concen: 97.803 ng

RT: 7.12 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

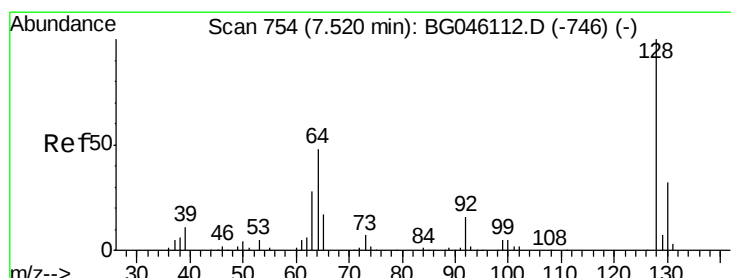
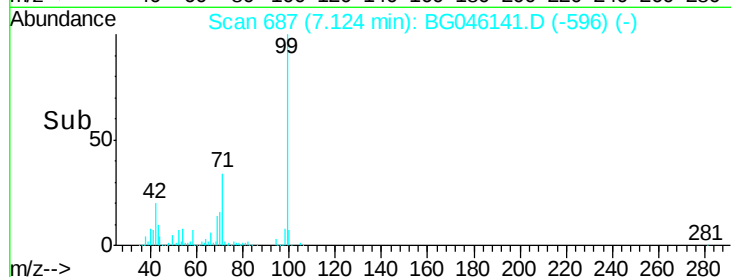
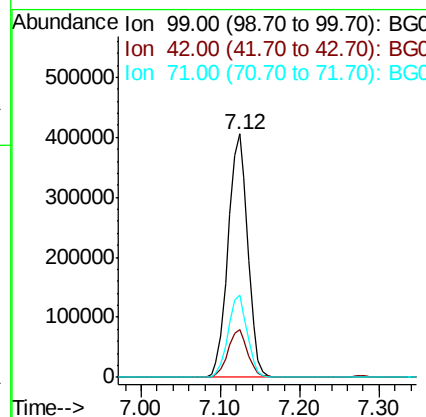
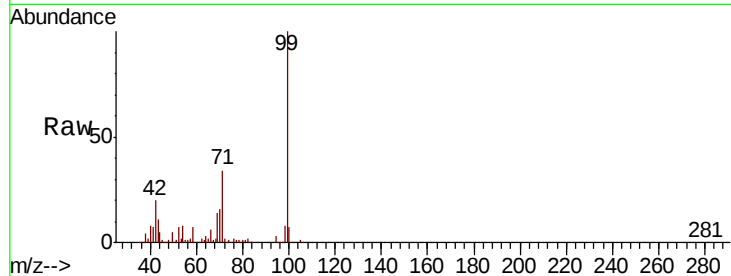
ClientSampleId :

SU-01-073020MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 692296 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.7  | 14.7  | 22.1   |
| 71        | 33.9  | 26.5  | 39.7   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 46.379 ng

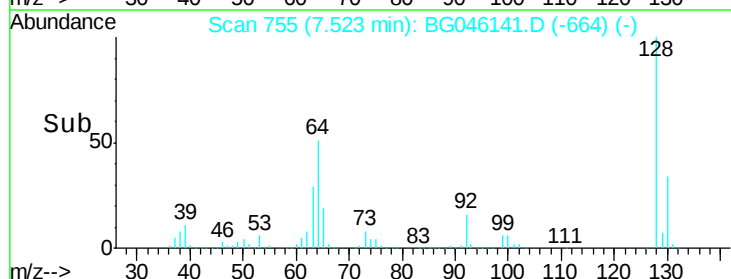
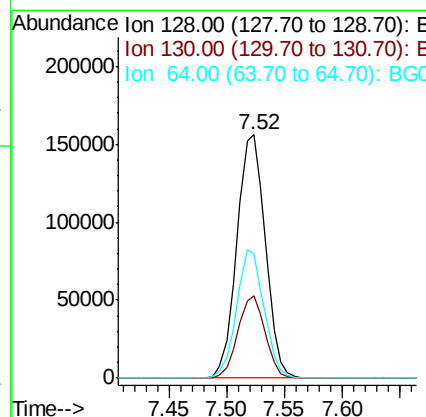
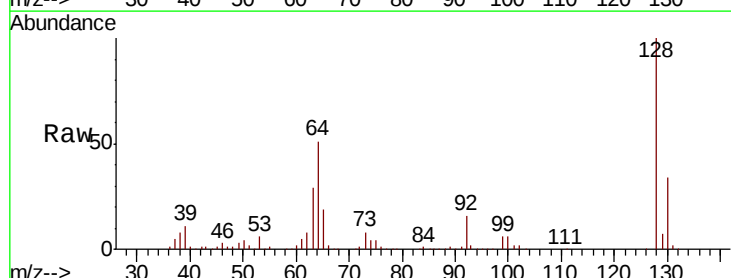
RT: 7.52 min Scan# 755

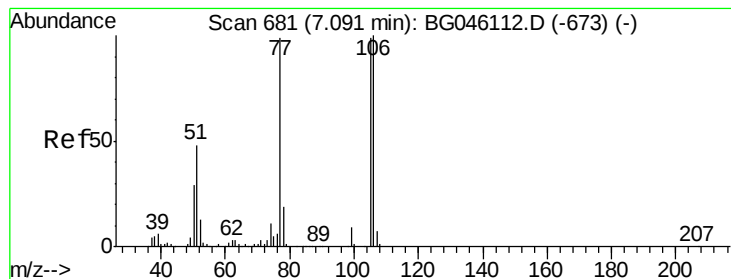
Delta R.T. 0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 266246 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.9  | 11.6  | 51.6   |
| 64        | 51.2  | 30.6  | 70.6   |





#9

Benzaldehyde

Concen: 41.286 ng

RT: 7.09 min Scan# 681

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

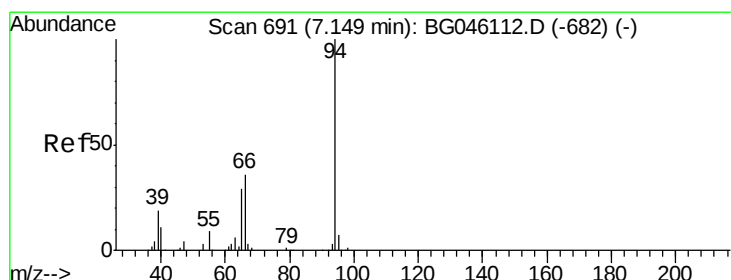
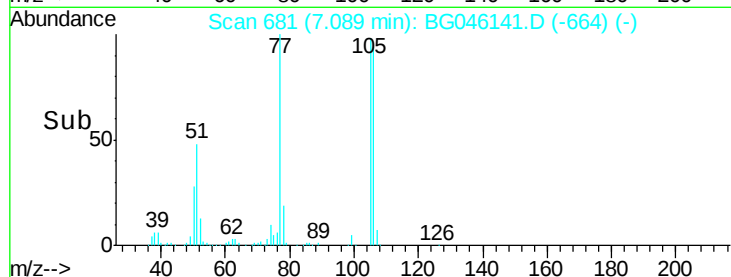
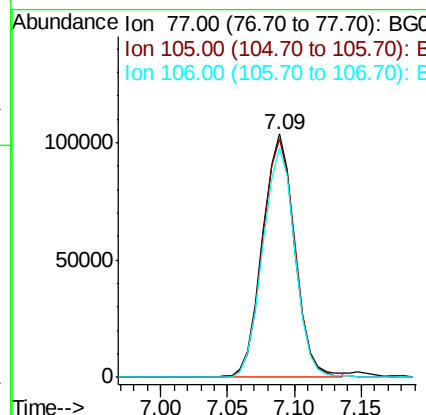
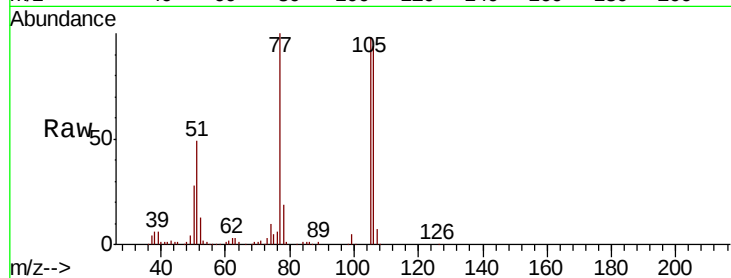
ClientSampleId :

SU-01-073020MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 173417 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 98.1  | 80.3  | 120.3  |
| 106       | 94.2  | 81.5  | 121.5  |

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#10

Phenol

Concen: 39.946 ng

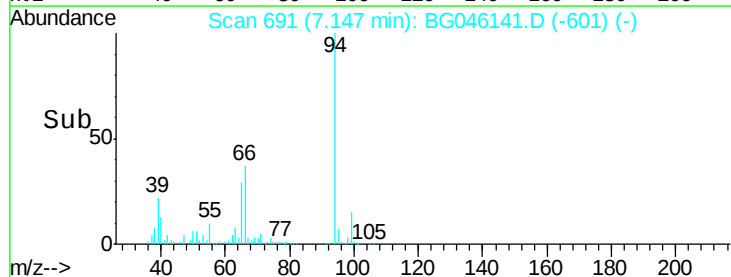
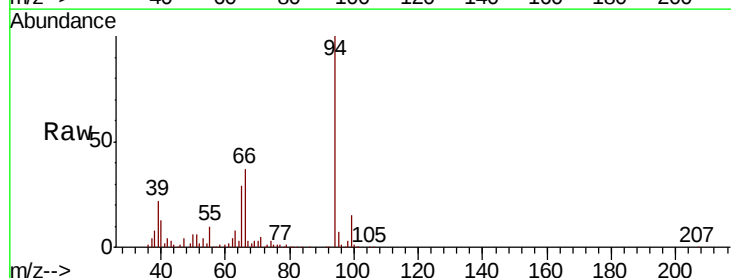
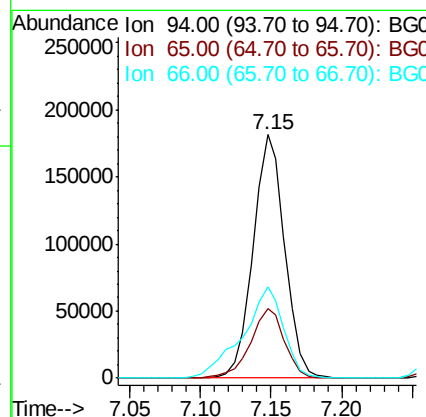
RT: 7.15 min Scan# 691

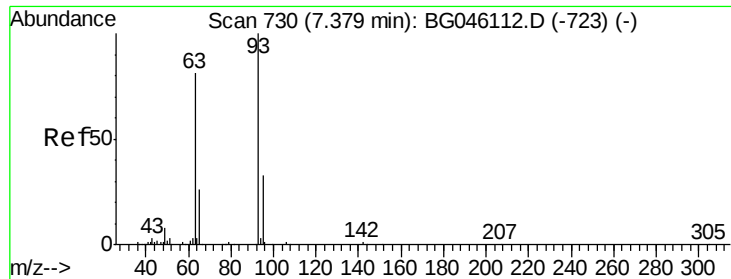
Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 284097 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 28.8  | 9.6   | 49.6   |
| 66        | 37.3  | 16.3  | 56.3   |





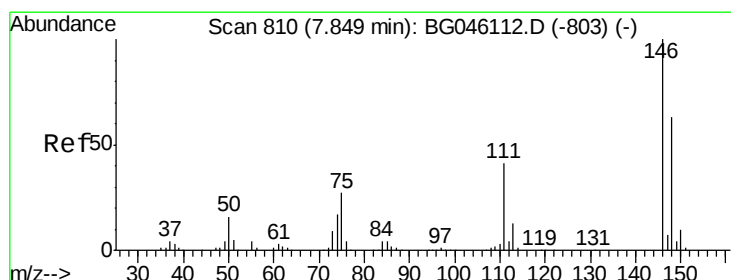
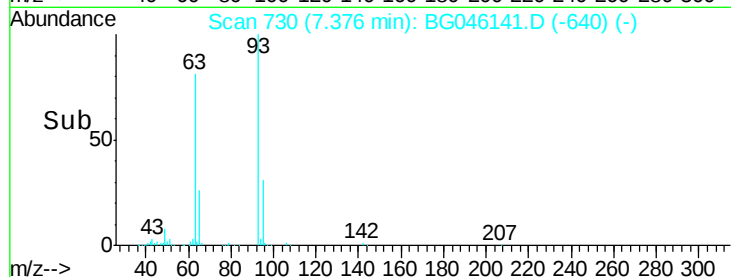
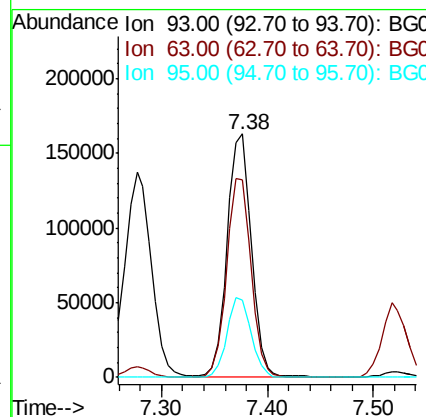
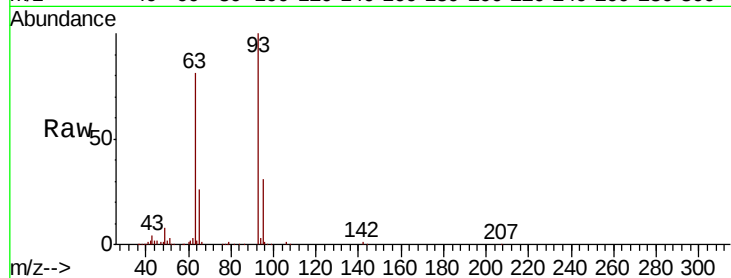
#11  
bis(2-Chloroethyl)ether  
Concen: 45.804 ng  
RT: 7.38 min Scan# 730  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 259118 |       |       |
| 63      | 81.3 | 60.0  | 100.0  |       |       |
| 95      | 31.5 | 12.6  | 52.6   |       |       |

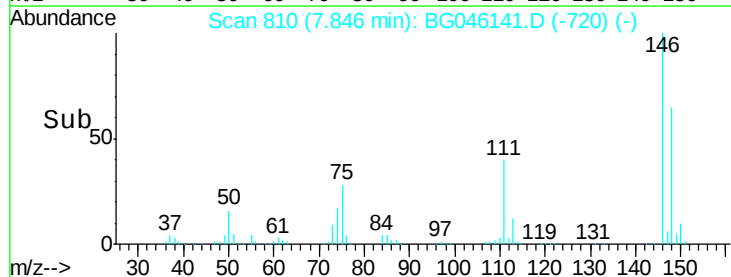
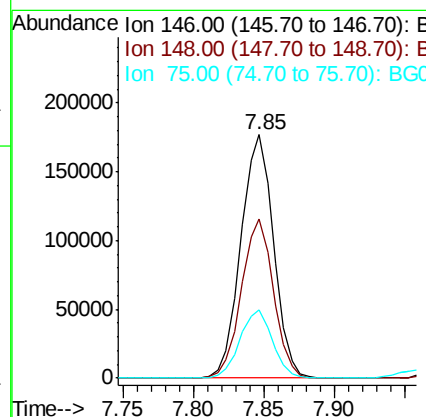
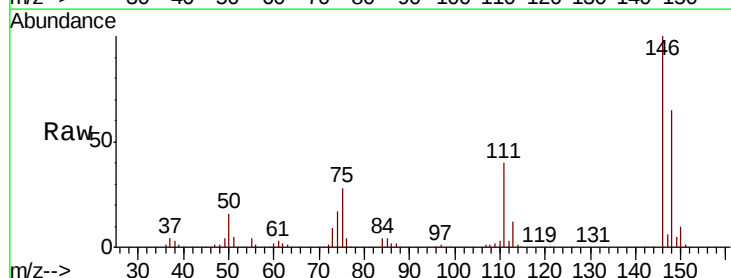
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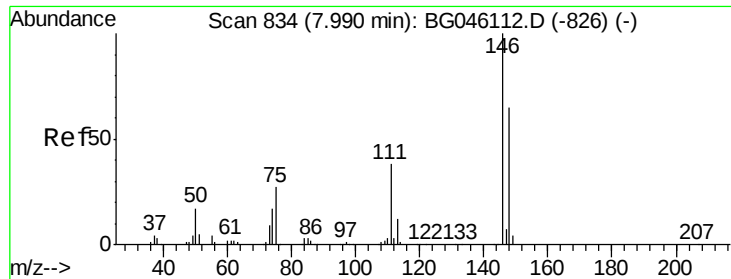
mohammad  
8/3/2020 12:22:32 PM



#12  
1,3-Dichlorobenzene  
Concen: 41.141 ng  
RT: 7.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 146     | 100  |       | 286269 |       |       |
| 148     | 65.4 | 50.5  | 75.7   |       |       |
| 75      | 27.9 | 21.6  | 32.4   |       |       |





#13

1,4-Dichlorobenzene

Concen: 41.131 ng

RT: 7.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

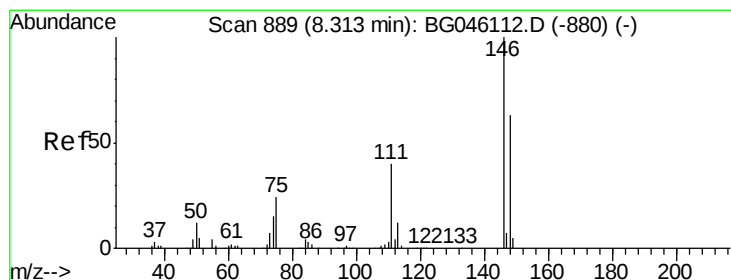
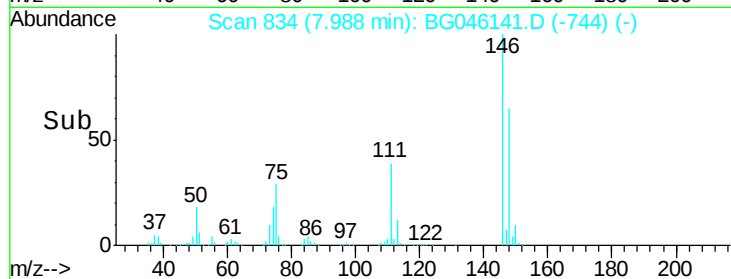
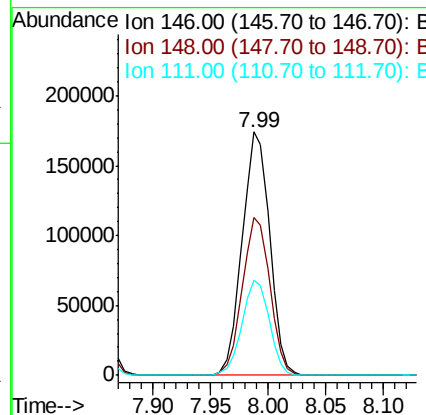
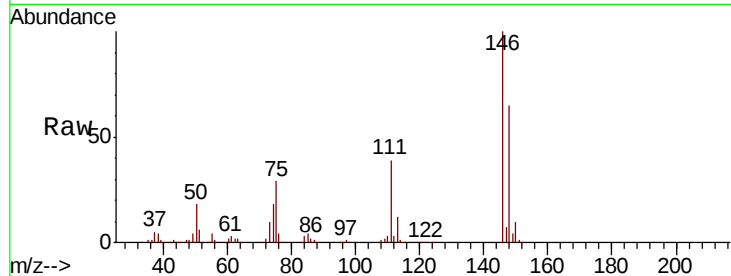
ClientSampleId :

SU-01-073020MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 287391 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.6  | 51.8  | 77.6   |
| 111       | 39.2  | 30.7  | 46.1   |

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#14

1,2-Dichlorobenzene

Concen: 43.242 ng

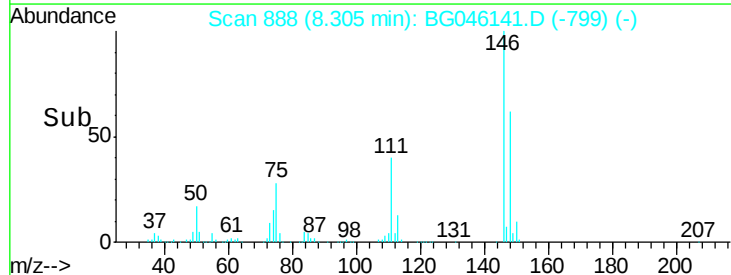
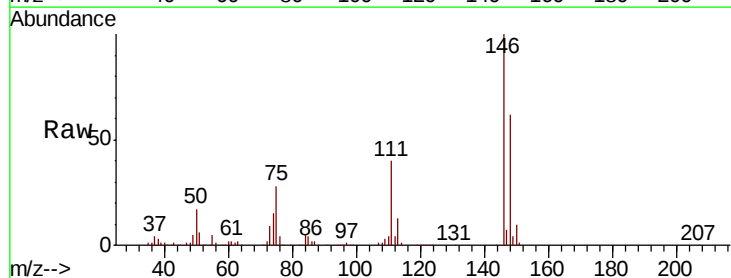
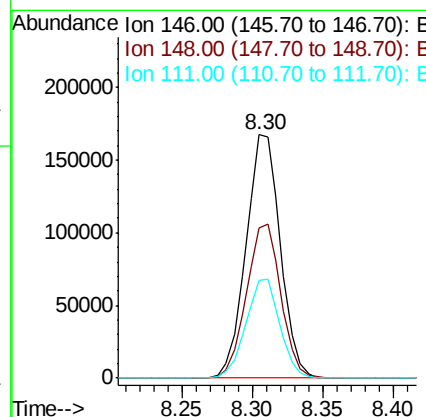
RT: 8.30 min Scan# 888

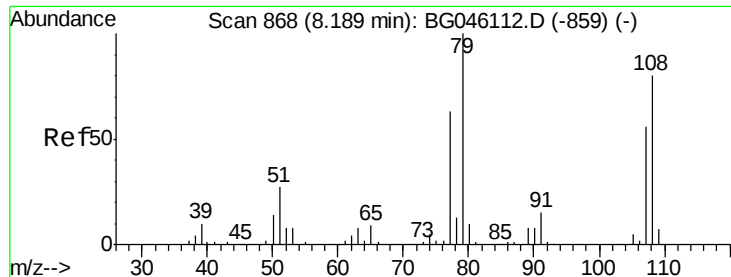
Delta R.T. -0.01 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 284950 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 61.6  | 50.8  | 76.2   |
| 111       | 40.1  | 32.4  | 48.6   |





#15

Benzyl Alcohol

Concen: 48.878 ng

RT: 8.19 min Scan# 868

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

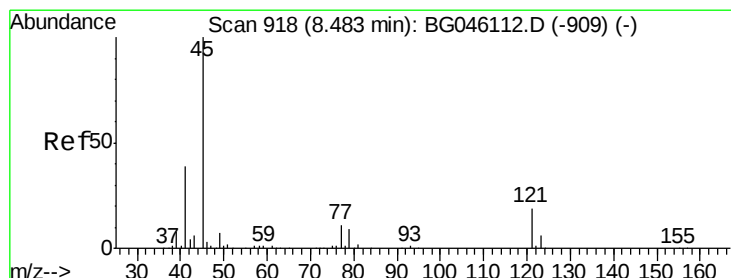
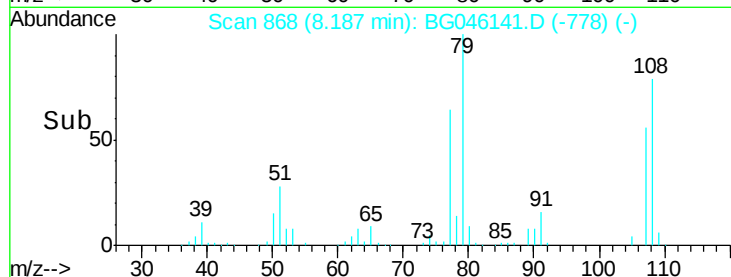
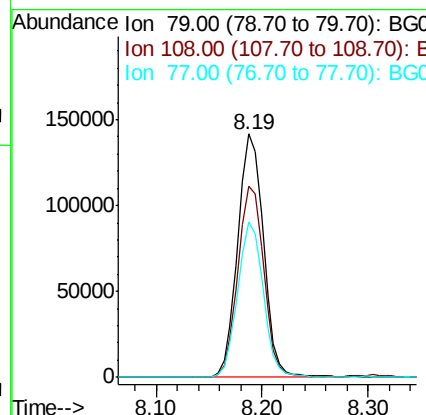
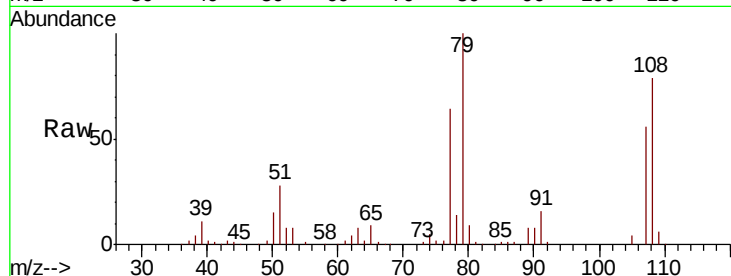
ClientSampleId :

SU-01-073020MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 239023 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 78.7  | 64.1  | 96.1   |
| 77        | 63.7  | 50.2  | 75.2   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.522 ng

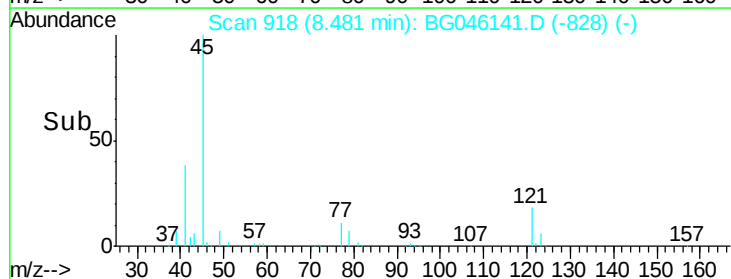
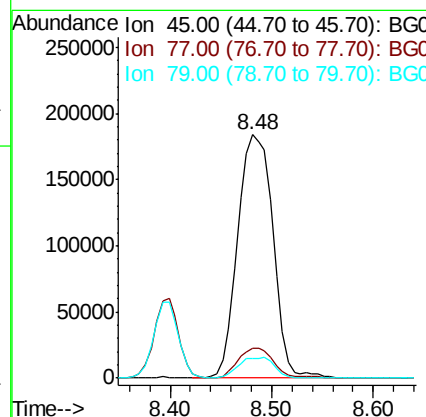
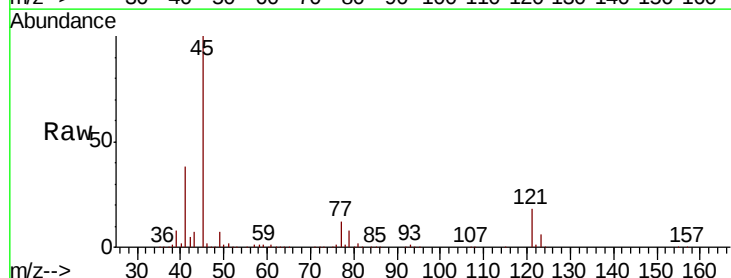
RT: 8.48 min Scan# 918

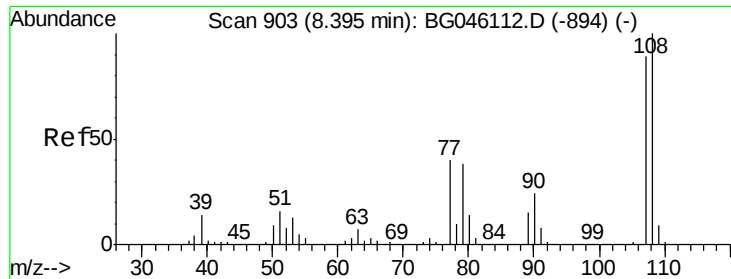
Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 440749 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 12.0  | 0.0   | 31.9   |
| 79        | 8.2   | 0.0   | 29.5   |





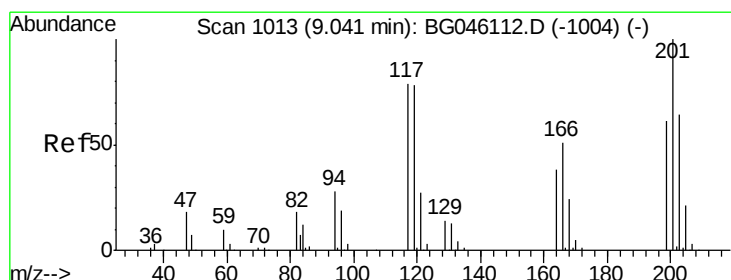
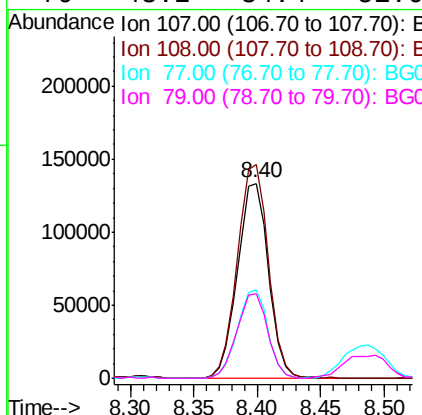
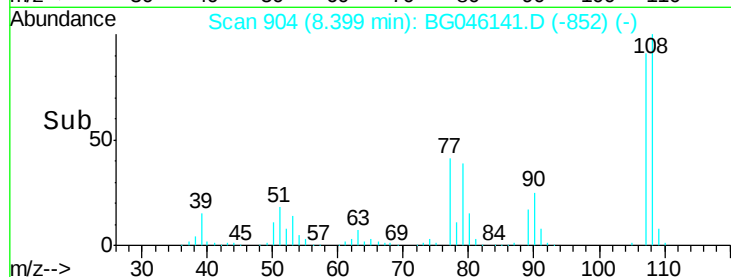
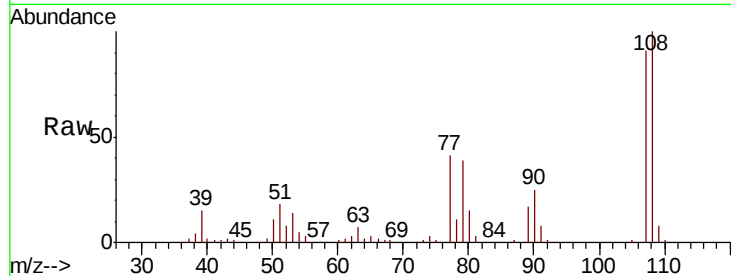
#17  
2-Methylphenol  
Concen: 47.169 ng  
RT: 8.40 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 109.6 | 90.0 | 135.0 |       |
| 77      | 45.5  | 35.6 | 53.4  |       |
| 79      | 43.2  | 34.4 | 51.6  |       |

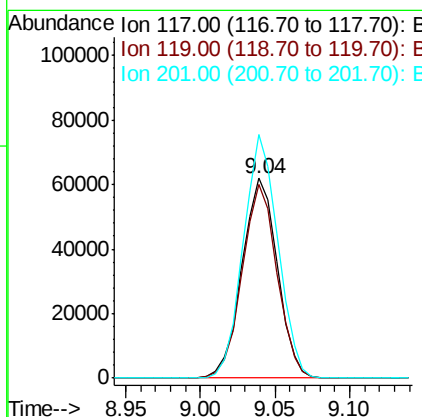
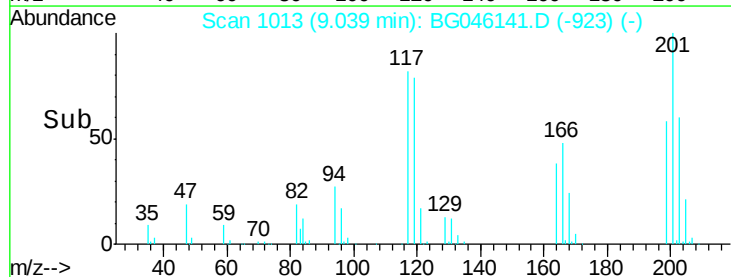
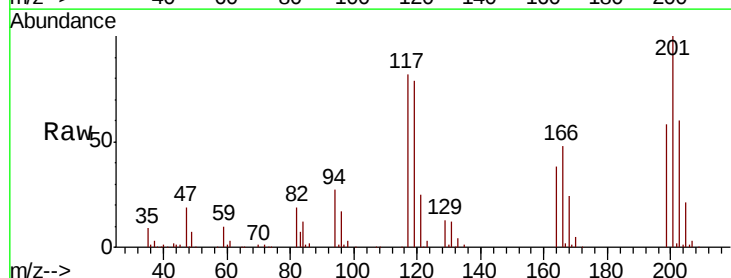
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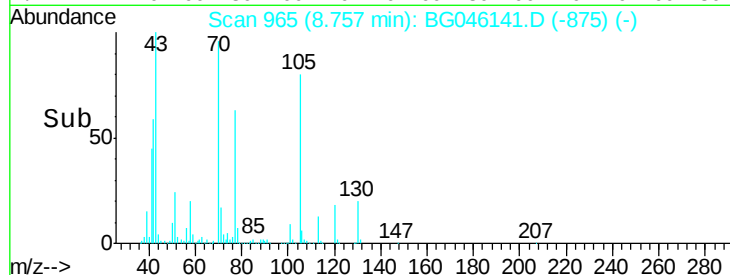
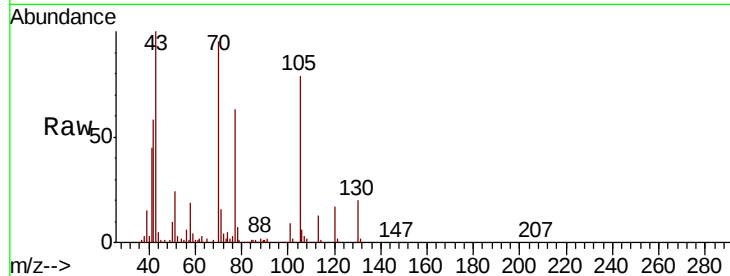
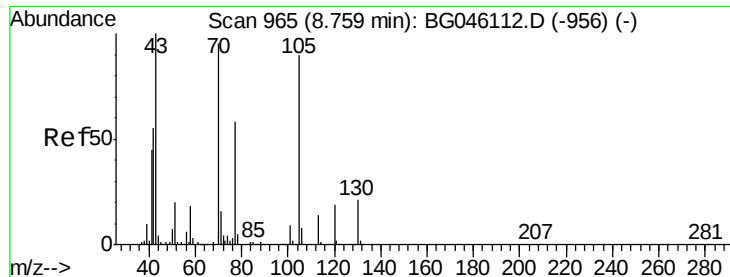
mohammad  
8/3/2020 12:22:32 PM



#18  
Hexachloroethane  
Concen: 43.510 ng  
RT: 9.04 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   |       |       |       |
| 119     | 96.9  | 78.5  | 117.7 |       |
| 201     | 122.1 | 101.0 | 151.4 |       |





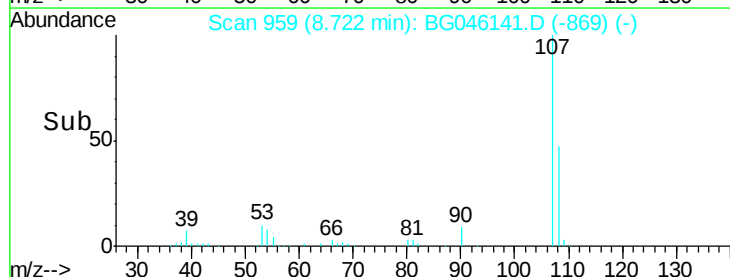
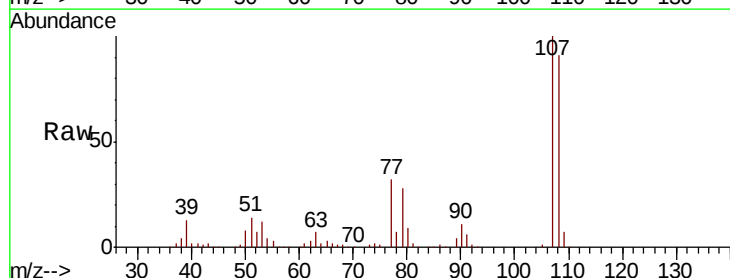
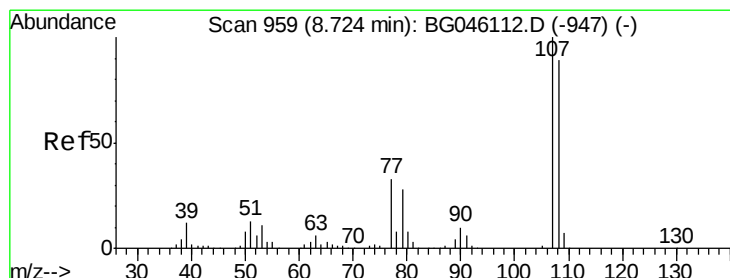
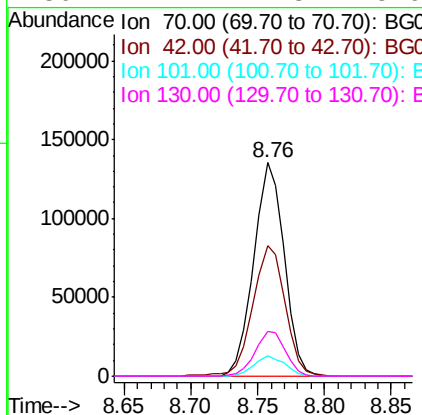
#19  
n-Nitroso-di-n-propylamine  
Concen: 46.249 ng  
RT: 8.76 min Scan# 965  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 61.2 | 46.5  | 69.7  |       |
| 101     | 9.8  | 7.6   | 11.4  |       |
| 130     | 21.1 | 17.3  | 25.9  |       |

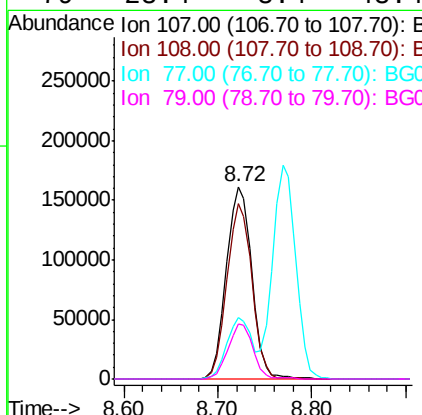
Manual Integrations  
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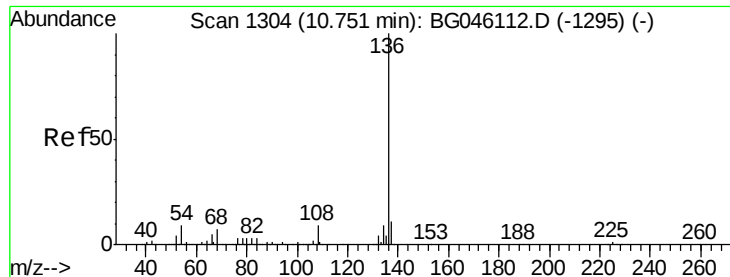
mohammad  
8/3/2020 12:22:32 PM



#20  
3+4-Methylphenols  
Concen: 46.236 ng  
RT: 8.72 min Scan# 959  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 91.1 | 69.1  | 109.1 |       |
| 77      | 31.8 | 12.5  | 52.5  |       |
| 79      | 28.4 | 8.4   | 48.4  |       |





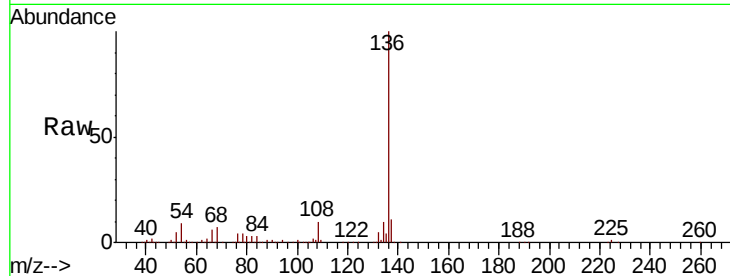
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.75 min Scan# 1304  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 349102 |       |       |
| 137     | 11.4  | 8.8    | 13.2  |       |
| 54      | 9.4   | 7.0    | 10.4  |       |
| 68      | 6.8   | 5.3    | 7.9   |       |

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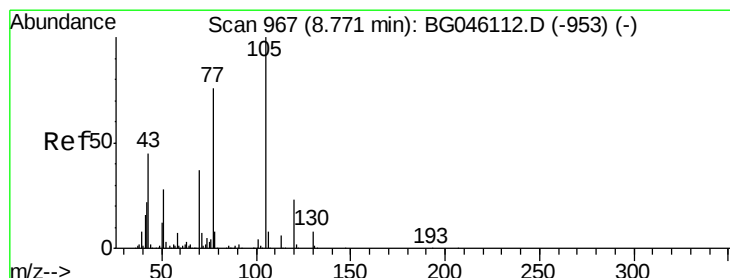
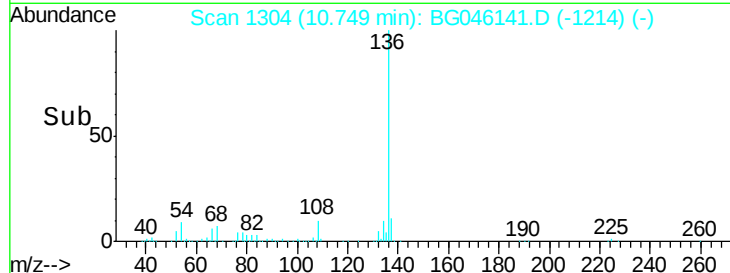
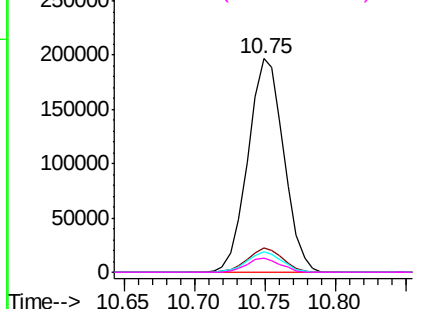
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 44.210 ng  
RT: 8.77 min Scan# 967  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 396084 |       |       |
| 71      | 6.1   | 5.3    | 7.9   |       |
| 51      | 29.8  | 22.7   | 34.1  |       |
| 120     | 23.1  | 18.7   | 28.1  |       |

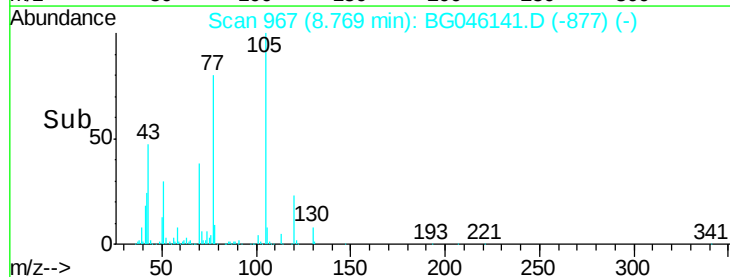
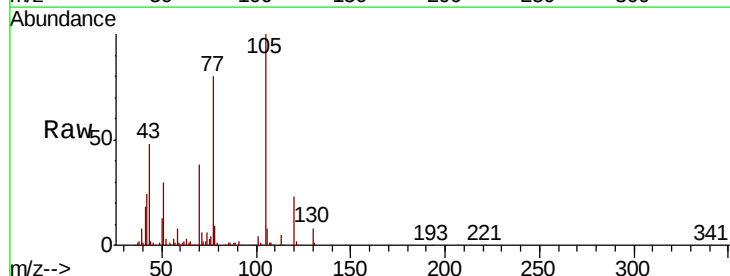
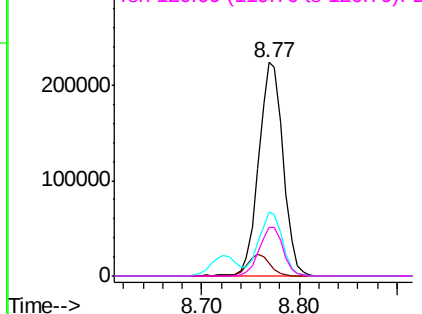
Abundance

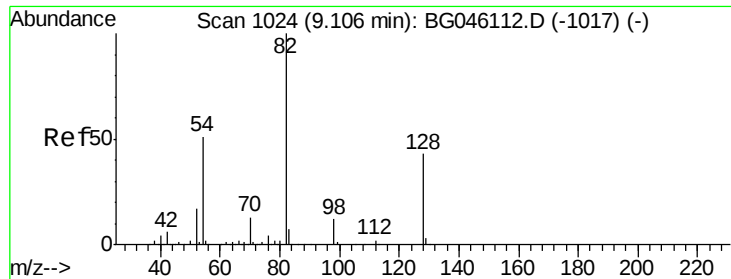
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





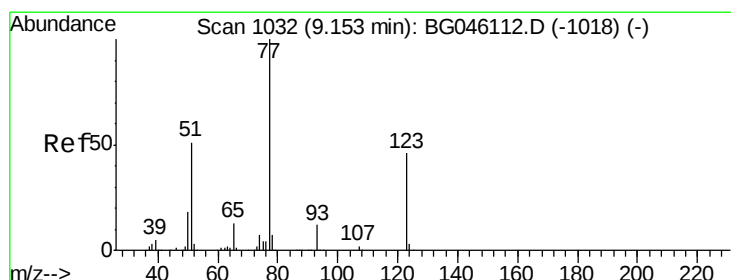
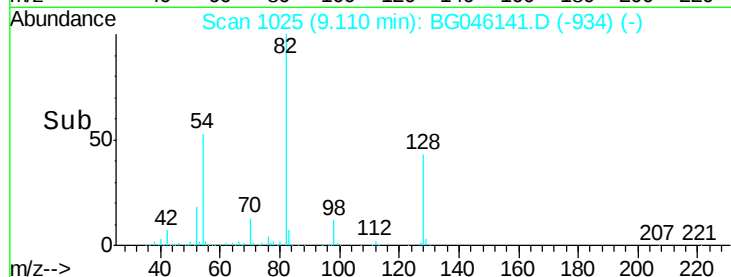
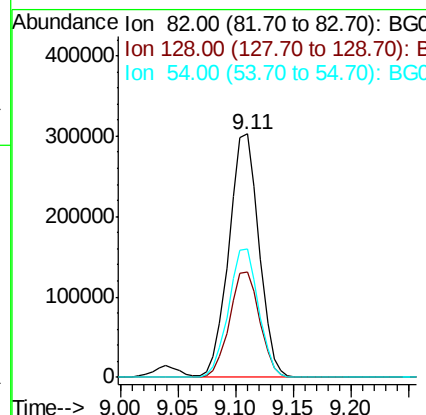
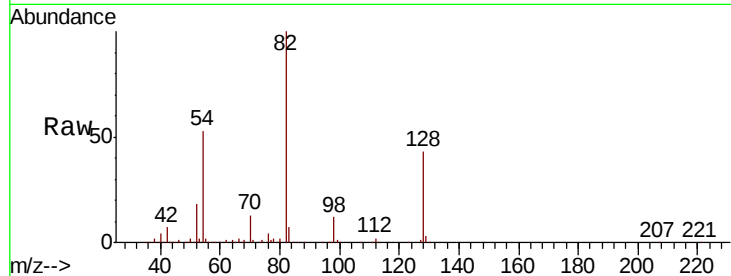
#23  
Nitrobenzene-d5  
Concen: 84.753 ng  
RT: 9.11 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 546469 |       |       |
| 128     | 43.2  |        | 34.4  | 51.6  |
| 54      | 52.6  |        | 40.8  | 61.2  |

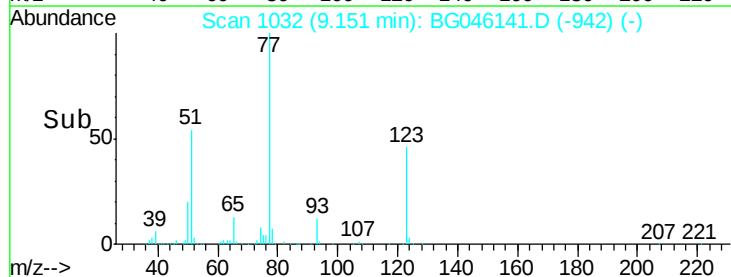
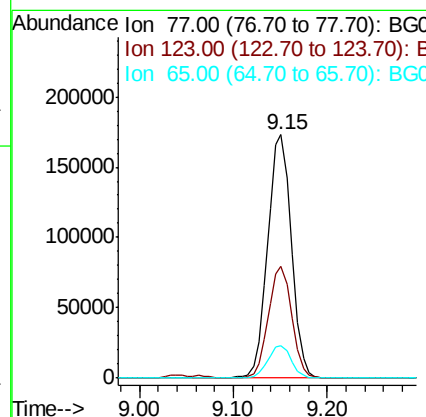
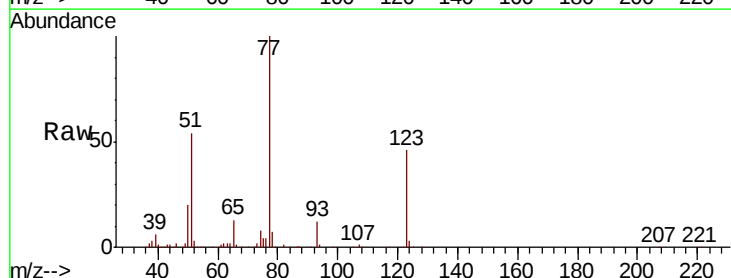
Manual Integrations  
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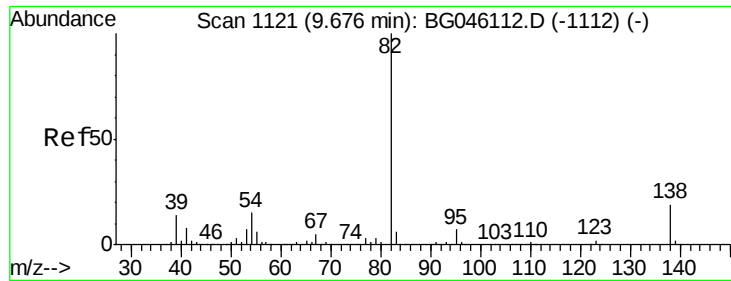
mohammad  
8/3/2020 12:22:32 PM



#24  
Nitrobenzene  
Concen: 43.937 ng  
RT: 9.15 min Scan# 1032  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 302045 |       |       |
| 123     | 46.0  |        | 36.8  | 55.2  |
| 65      | 13.4  |        | 10.2  | 15.2  |





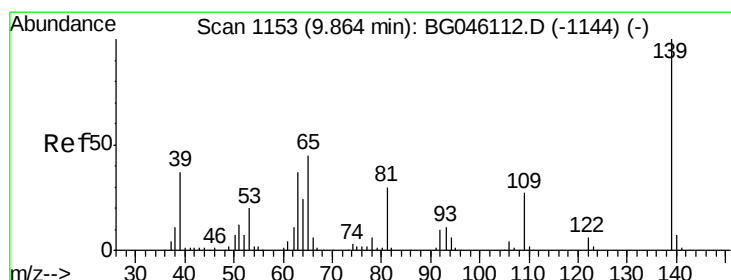
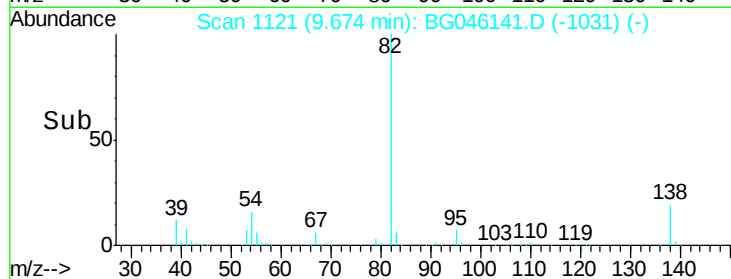
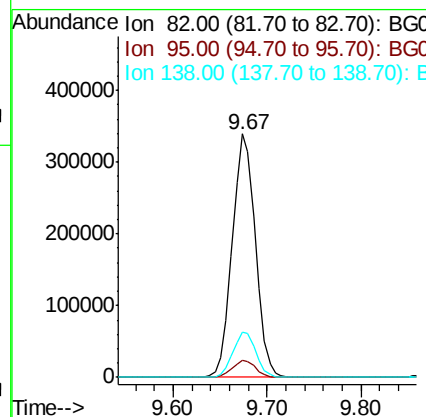
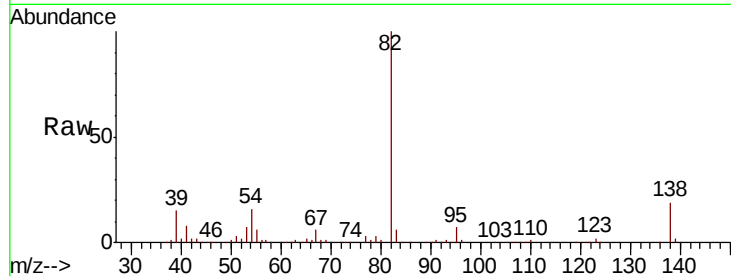
#25  
Isophorone  
Concen: 44.985 ng  
RT: 9.67 min Scan# 1121  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 577151 |       |       |
| 95      | 7.0   |        | 5.5   | 8.3   |
| 138     | 18.5  |        | 15.3  | 22.9  |

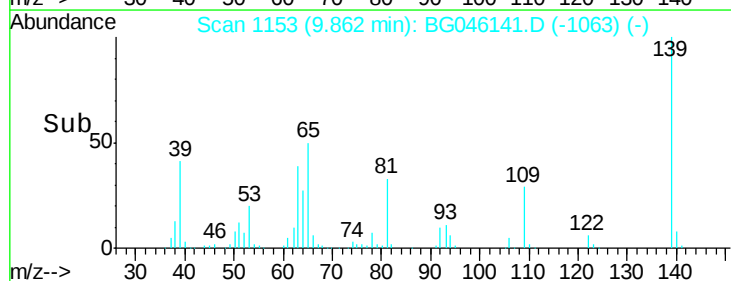
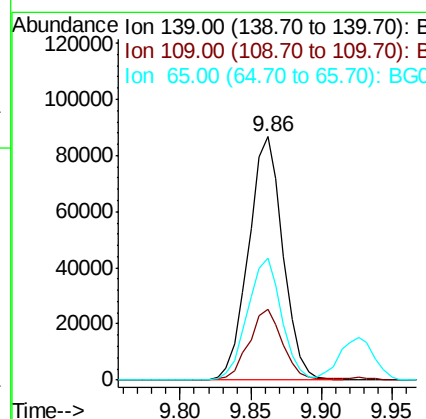
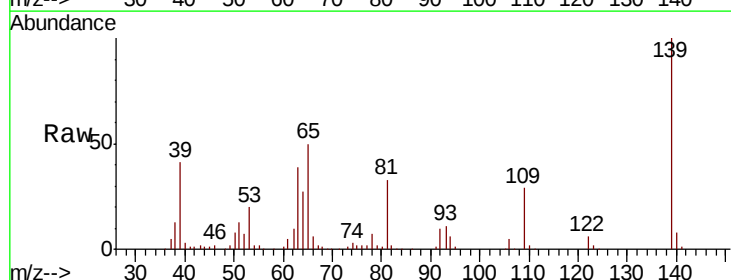
Manual Integrations  
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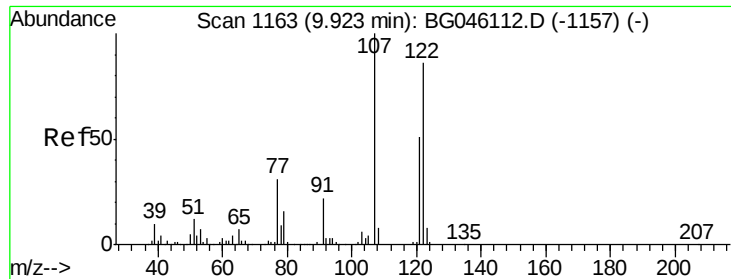
mohammad  
8/3/2020 12:22:32 PM



#26  
2-Nitrophenol  
Concen: 47.599 ng  
RT: 9.86 min Scan# 1153  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 148300 |       |       |
| 109     | 28.9  |        | 21.8  | 32.8  |
| 65      | 49.9  |        | 36.2  | 54.2  |





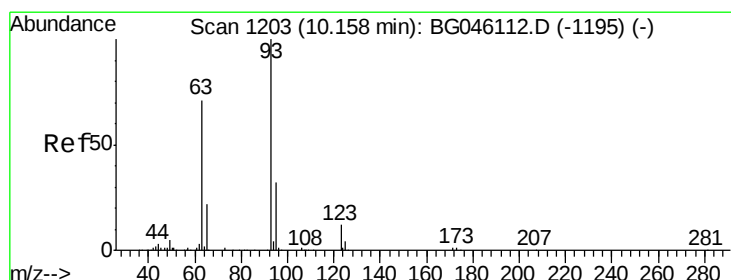
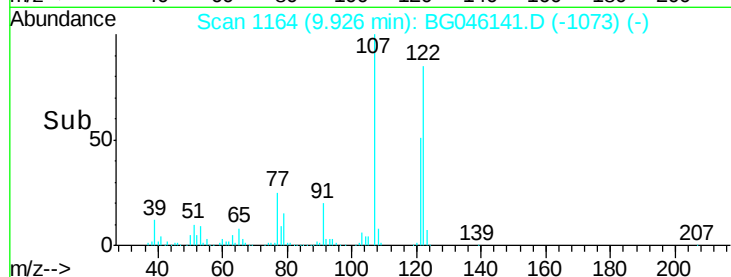
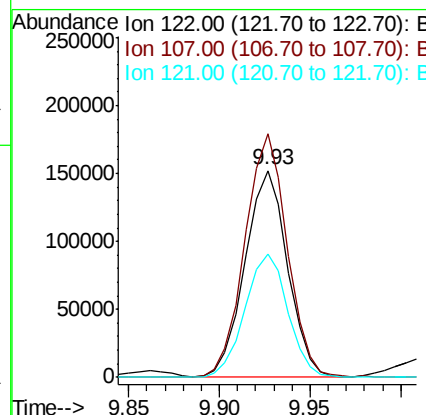
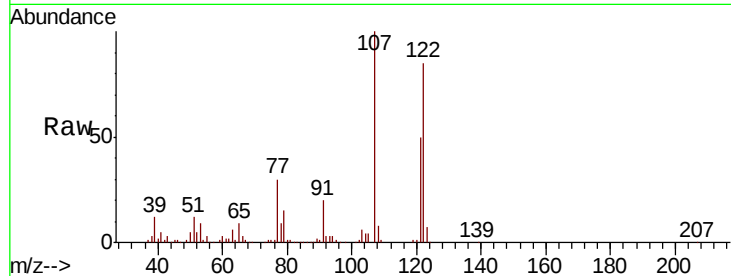
#27  
 2,4-Dimethylphenol  
 Concen: 48.559 ng  
 RT: 9.93 min Scan# 1164  
 Delta R.T. 0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 246143 |       |       |
| 107     | 117.8 | 92.4   | 138.6 |       |
| 121     | 59.4  | 47.0   | 70.6  |       |

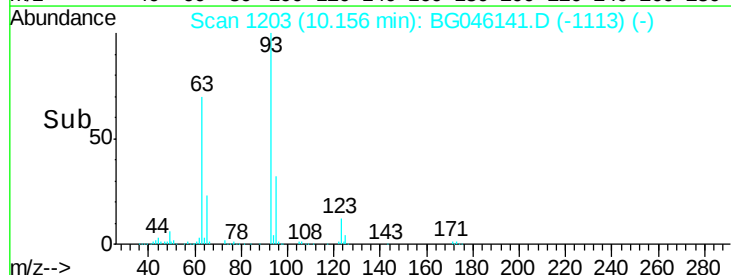
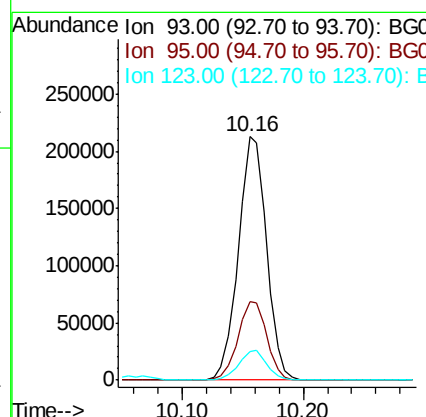
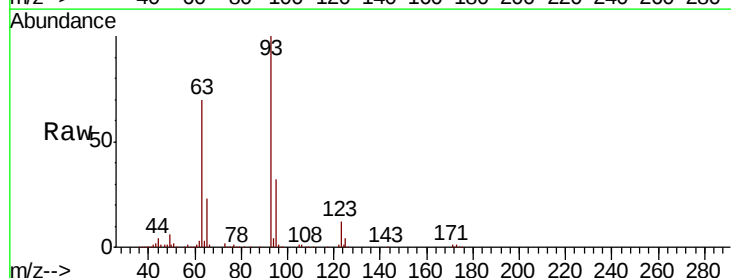
Manual Integrations  
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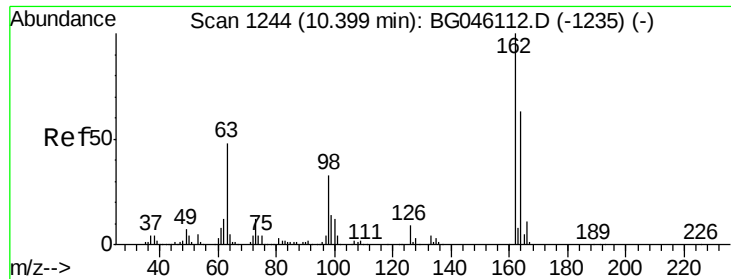
mohammad  
 8/3/2020 12:22:32 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 49.659 ng  
 RT: 10.16 min Scan# 1203  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 346437 |       |       |
| 95      | 32.4  | 26.0   | 39.0  |       |
| 123     | 11.8  | 9.7    | 14.5  |       |





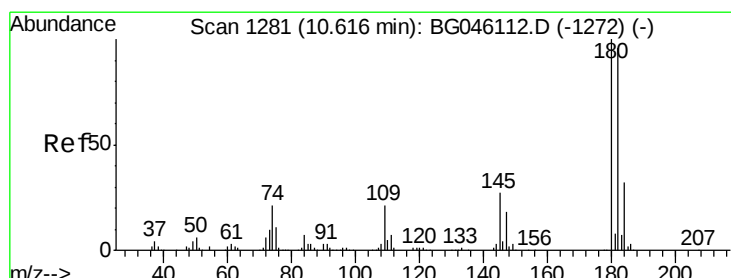
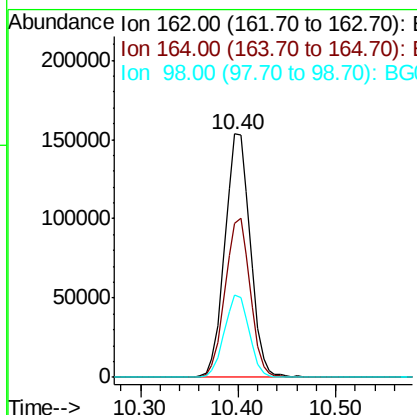
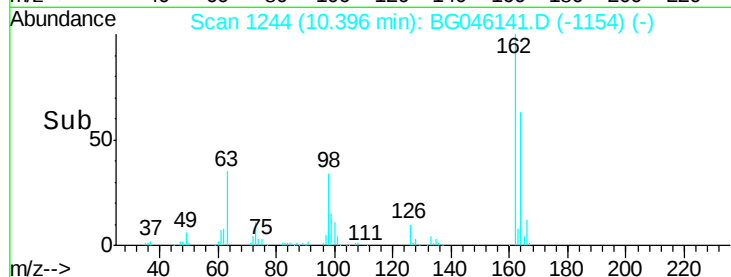
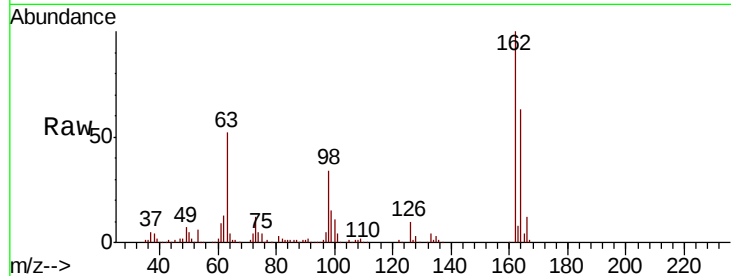
#29  
 2,4-Dichlorophenol  
 Concen: 46.512 ng  
 RT: 10.40 min Scan# 1244  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 277340 |       |       |
| 164     | 63.3  | 43.3   | 83.3  |       |
| 98      | 33.9  | 13.1   | 53.1  |       |

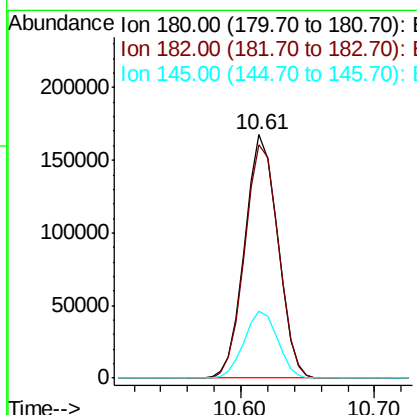
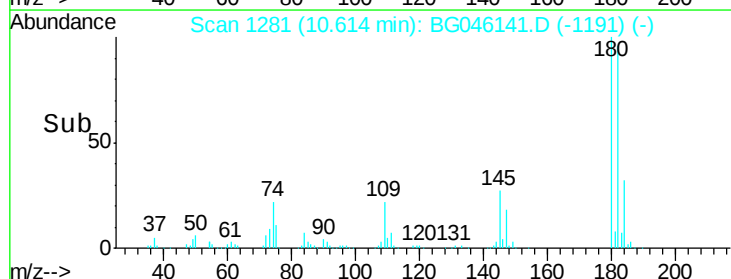
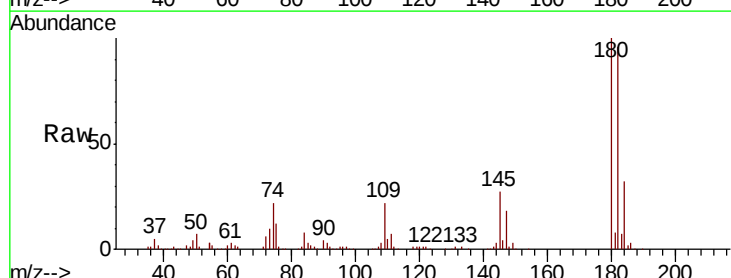
Manual Integrations  
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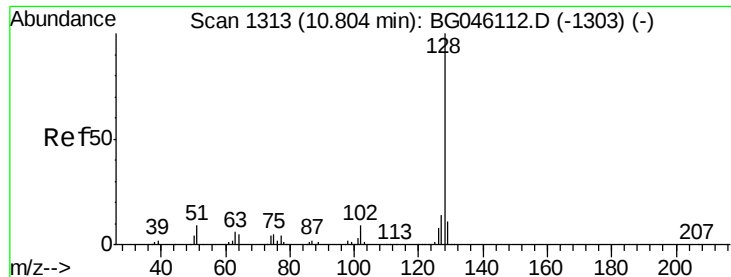
mohammad  
 8/3/2020 12:22:32 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.095 ng  
 RT: 10.61 min Scan# 1281  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 287057 |       |       |
| 182     | 95.8  | 76.7   | 115.1 |       |
| 145     | 27.4  | 21.8   | 32.8  |       |





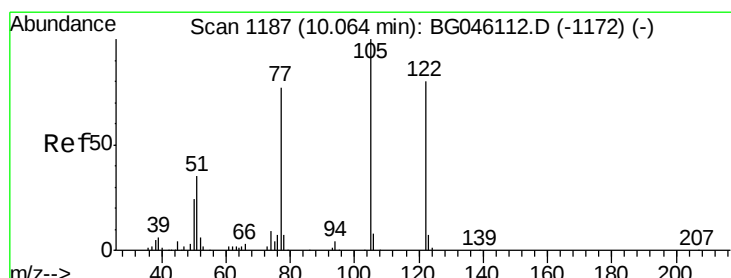
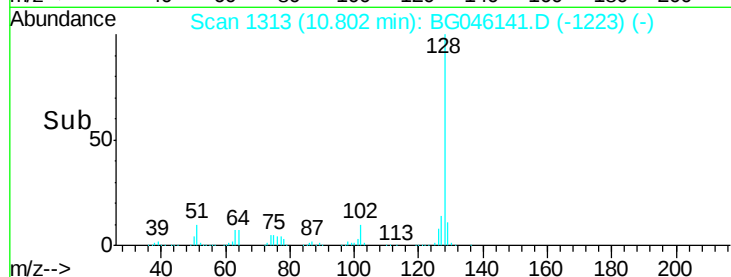
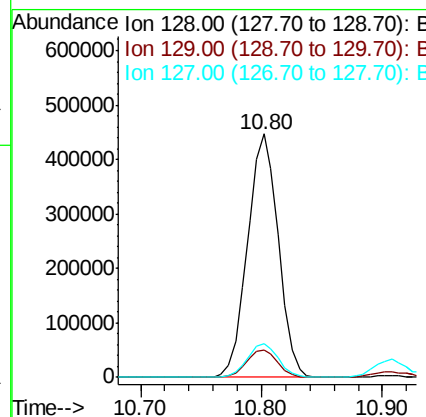
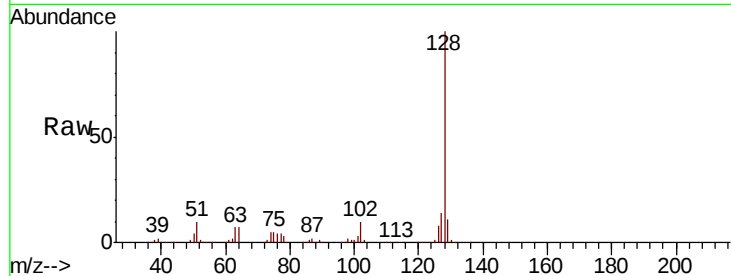
#31  
Naphthalene  
Concen: 42.865 ng  
RT: 10.80 min Scan# 1313  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 791782 |       |       |
| 129     | 11.4  |        | 9.1   | 13.7  |
| 127     | 13.9  |        | 11.3  | 16.9  |

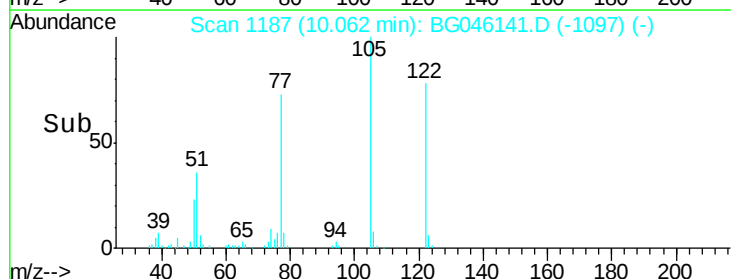
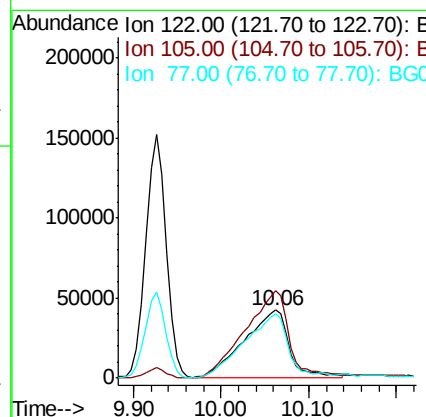
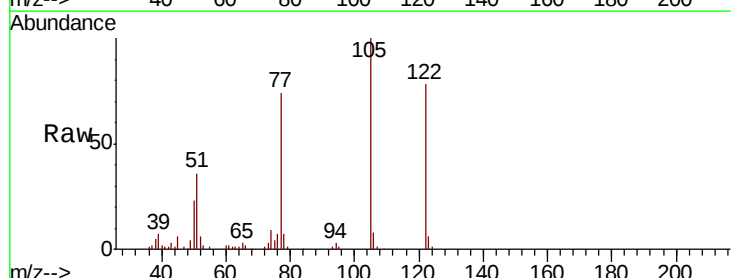
Manual Integrations  
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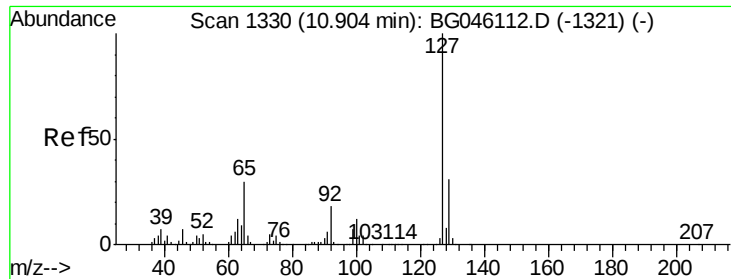
mohammad  
8/3/2020 12:22:32 PM



#32  
Benzoic acid  
Concen: 40.887 ng  
RT: 10.06 min Scan# 1187  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 145906 |       |       |
| 105     | 127.6 |        | 103.0 | 143.0 |
| 77      | 94.0  |        | 75.2  | 115.2 |





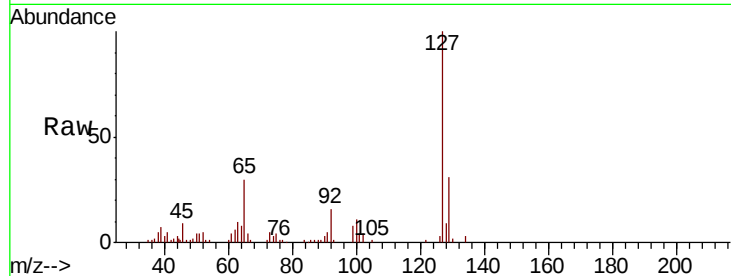
#33  
4-Chloroaniline  
Concen: 8.920 ng  
RT: 10.91 min Scan# 1331  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

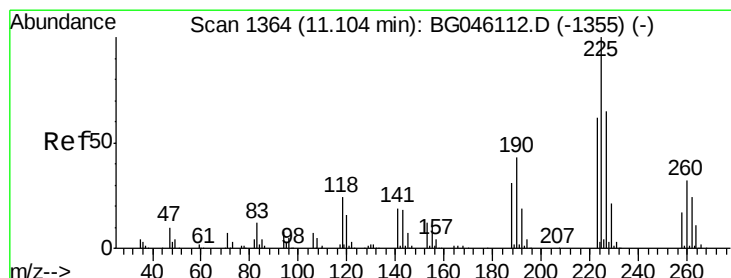
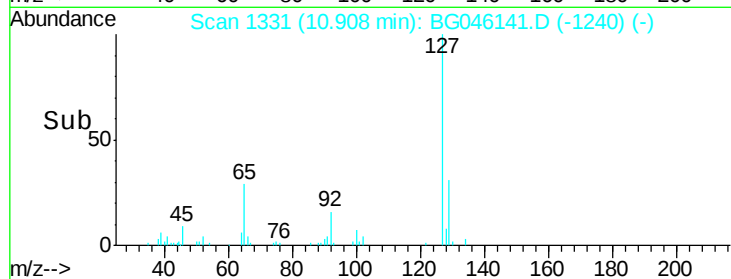
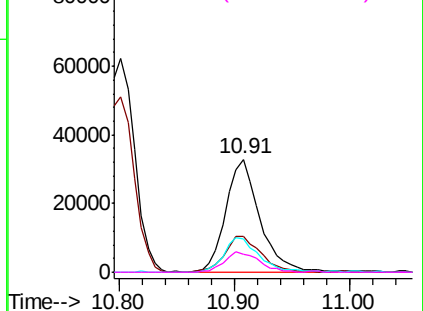
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 31.3 | 25.2  | 37.8 |       |       |
| 65      | 29.5 | 24.2  | 36.2 |       |       |
| 92      | 15.9 | 14.5  | 21.7 |       |       |

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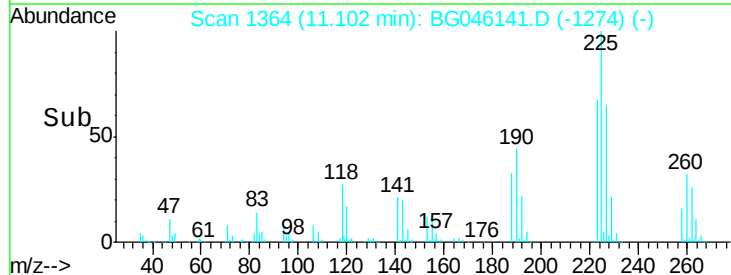
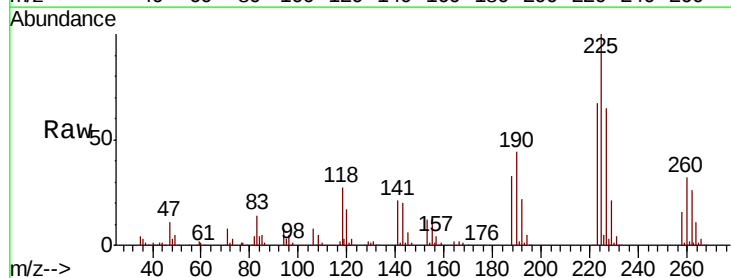
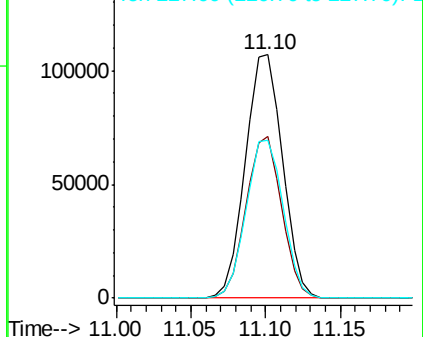
Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

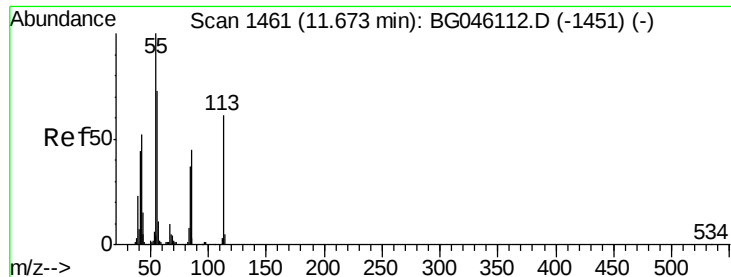


#34  
Hexachlorobutadiene  
Concen: 39.661 ng  
RT: 11.10 min Scan# 1364  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 66.6 | 49.8  | 74.6 |       |       |
| 227     | 65.0 | 51.9  | 77.9 |       |       |

Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 40.644 ng/mL

RT: 11.67 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

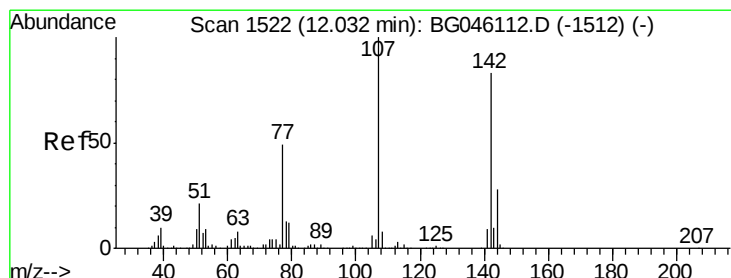
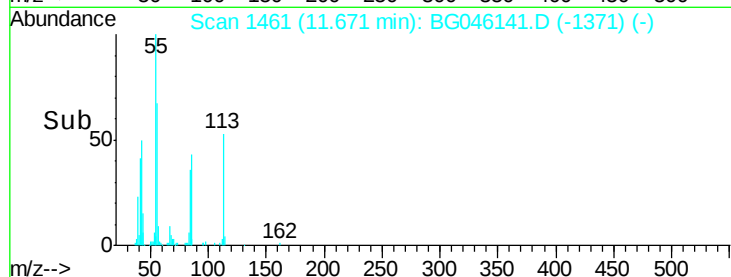
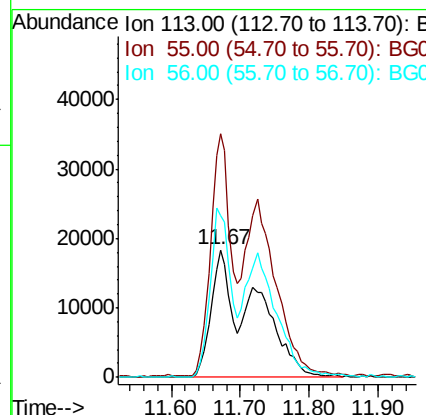
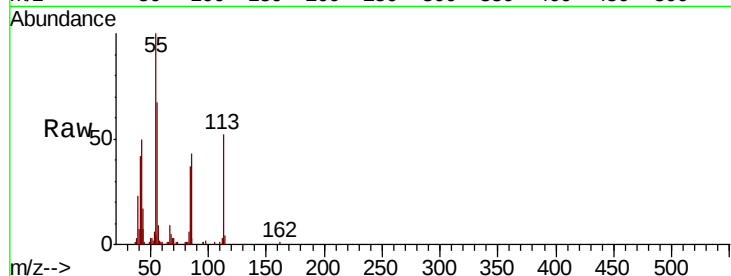
ClientSampleId :

SU-01-073020MSD

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |
| 55      | 191.4 | 144.7 | 184.7 | #     |
| 56      | 127.3 | 99.4  | 139.4 |       |

Manual Integrations  
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#36

4-Chloro-3-methylphenol

Concen: 49.353 ng/mL

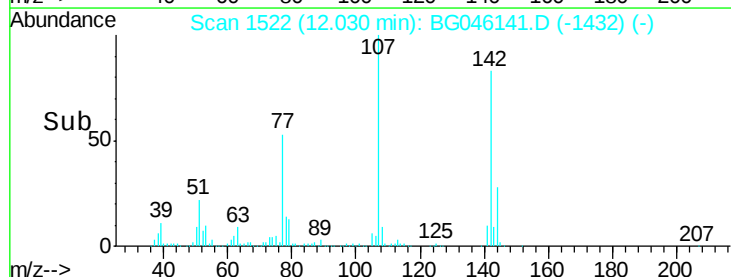
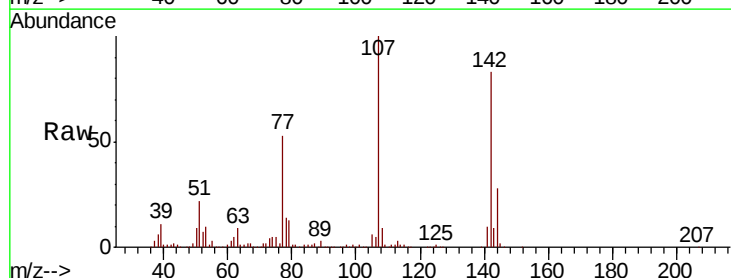
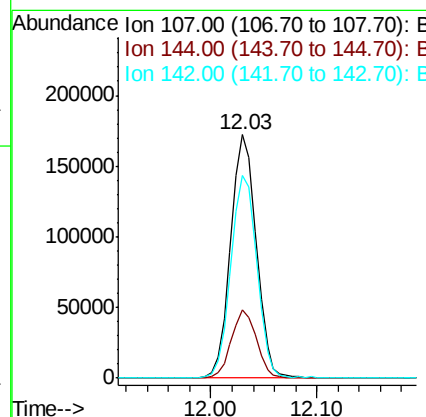
RT: 12.03 min Scan# 1522

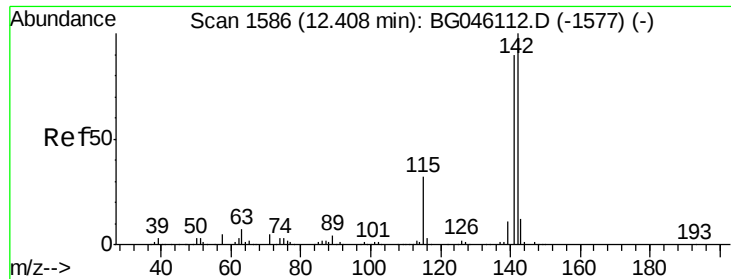
Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 144     | 27.8 | 22.4  | 33.6  |       |
| 142     | 83.4 | 66.6  | 100.0 |       |





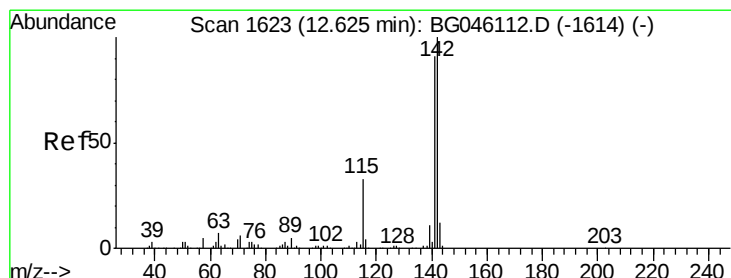
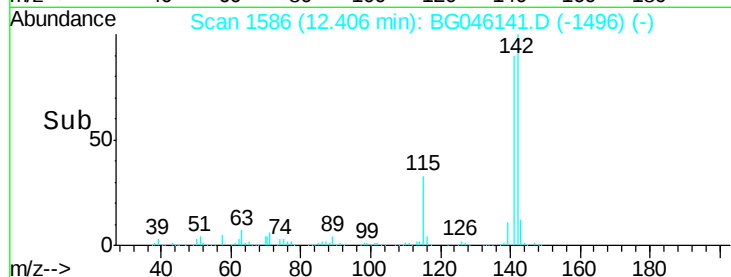
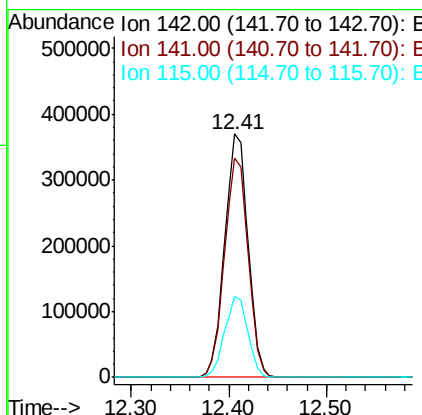
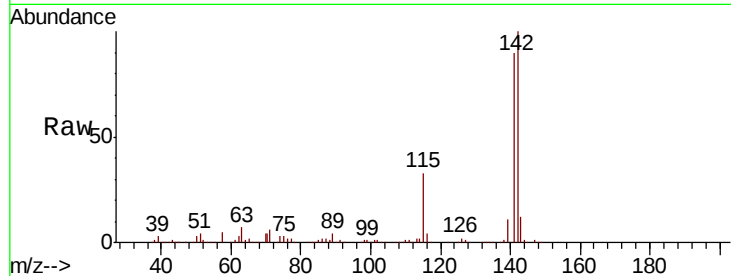
#37  
2-Methylnaphthalene  
Concen: 43.209 ng  
RT: 12.41 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.2  | 71.7  | 107.5 |
| 115     | 33.3  | 25.8  | 38.8  |

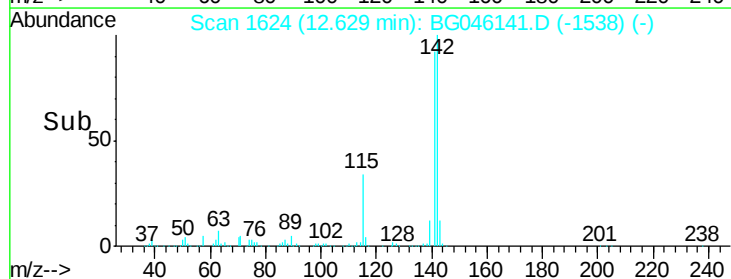
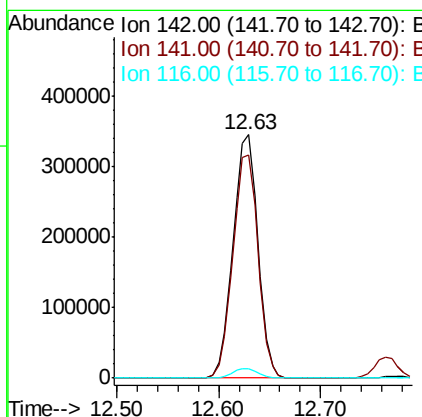
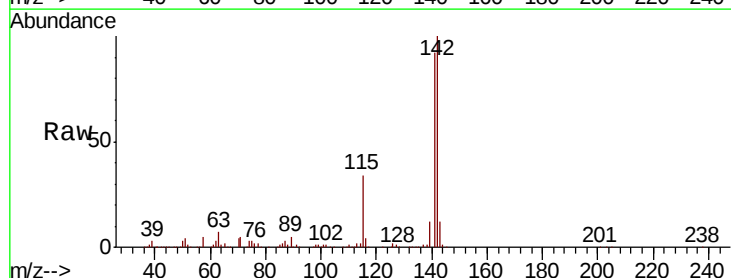
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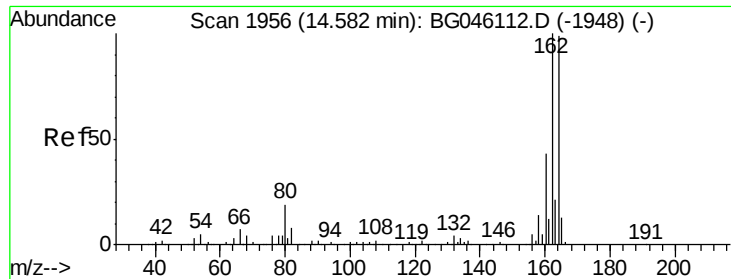
mohammad  
8/3/2020 12:22:32 PM



#38  
1-Methylnaphthalene  
Concen: 43.544 ng  
RT: 12.63 min Scan# 1624  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.5  | 73.0  | 109.4 |
| 116     | 3.6   | 2.8   | 4.2   |





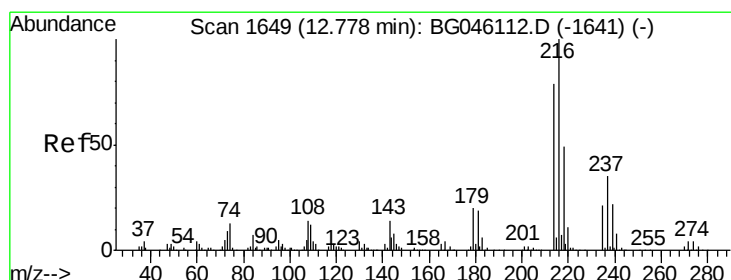
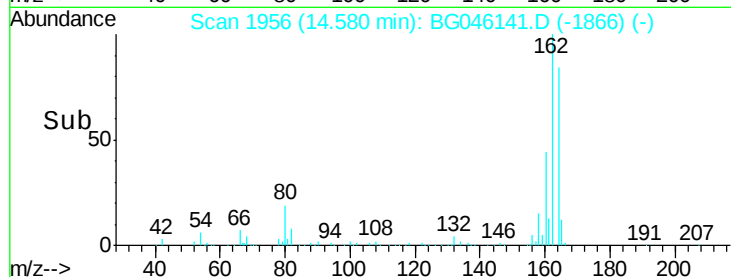
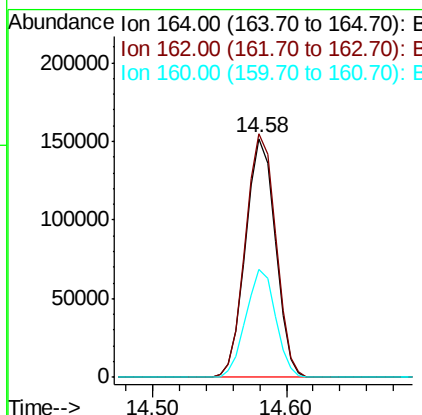
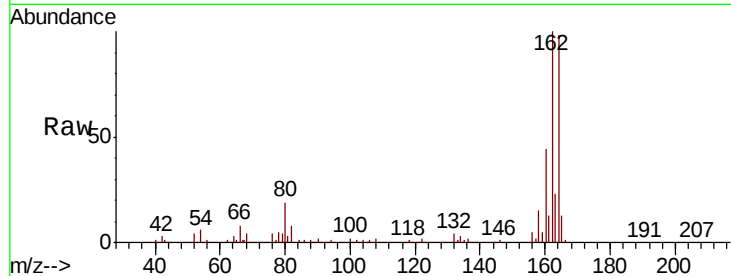
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.58 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.9 | 80.6  | 121.0 |
| 160     | 45.3  | 34.9  | 52.3  |

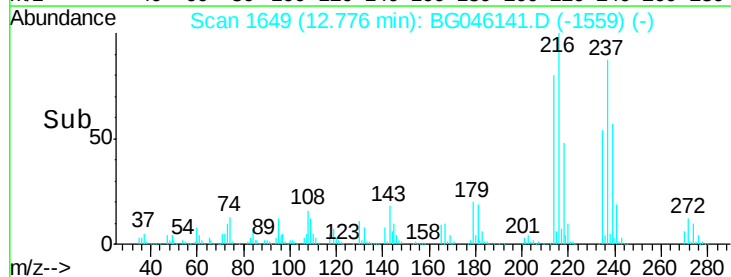
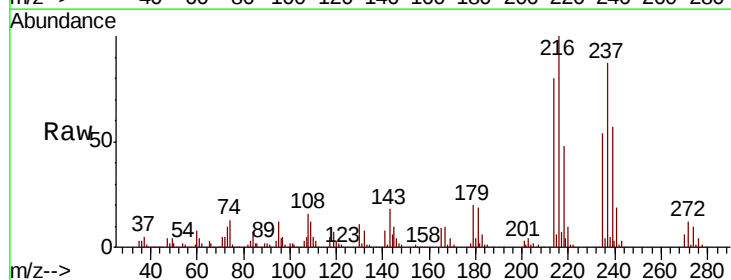
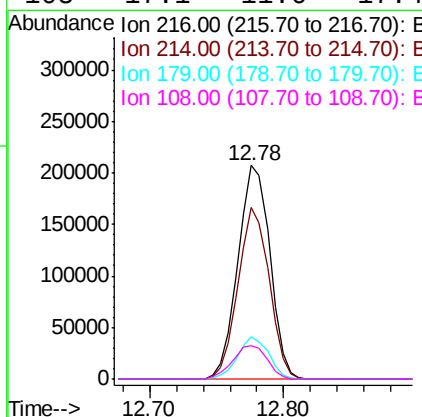
Manual Integrations  
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.729 ng  
RT: 12.78 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.1  | 62.7  | 94.1  |
| 179     | 19.1  | 15.0  | 22.6  |
| 108     | 17.1  | 11.6  | 17.4  |





#41

Hexachlorocyclopentadiene

Concen: 92.227 ng

RT: 12.76 min Scan# 1647

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

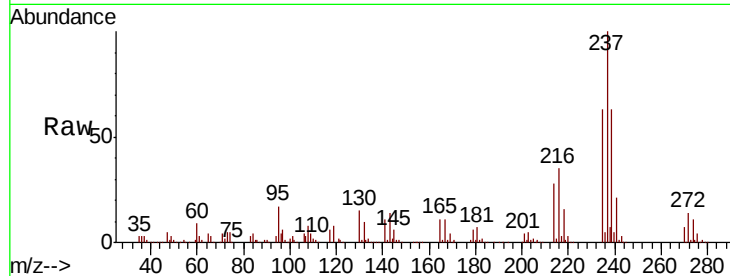
ClientSampleId :

SU-01-073020MSD

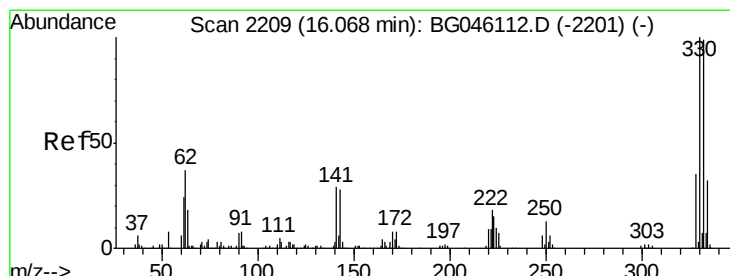
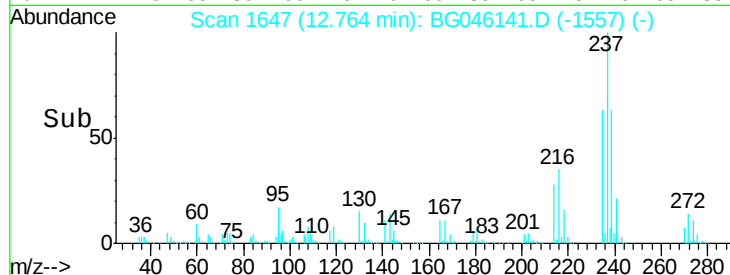
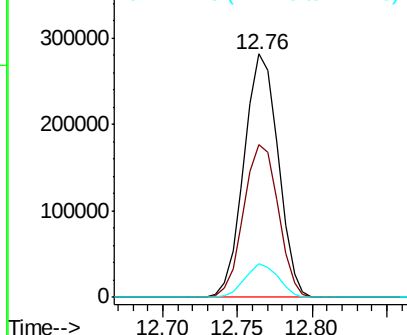
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 446741 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.8  | 42.3  | 82.3   |
| 272       | 13.8  | 0.0   | 32.7   |

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



#42

2,4,6-Tribromophenol

Concen: 118.383 ng

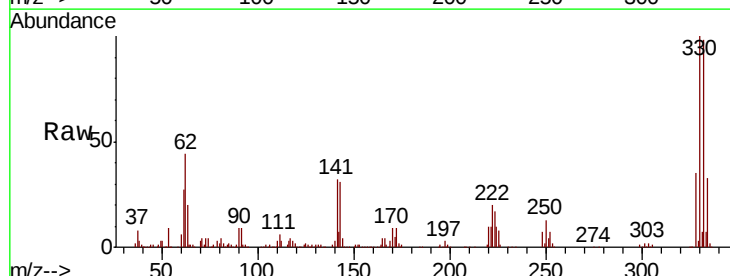
RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

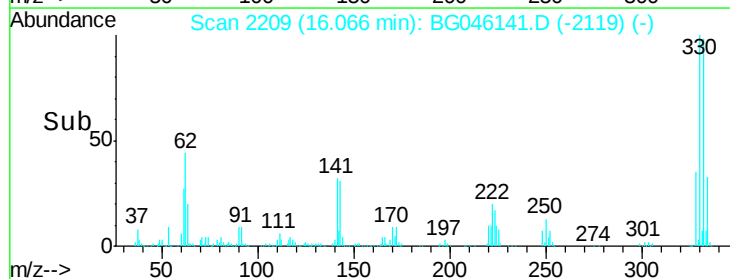
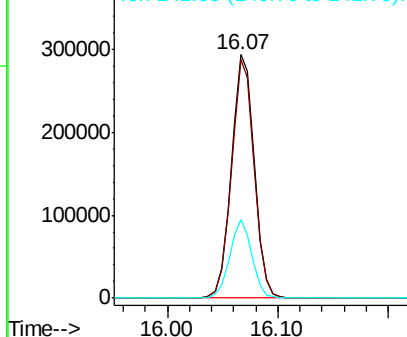
Lab File: BG046141.D

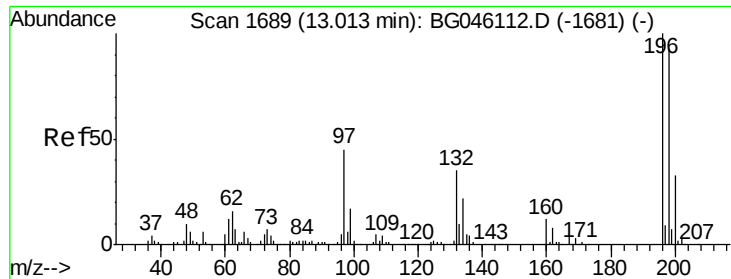
Acq: 1 Aug 2020 2:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 426192 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.1  | 77.4  | 116.2  |
| 141       | 31.3  | 23.4  | 35.0   |



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





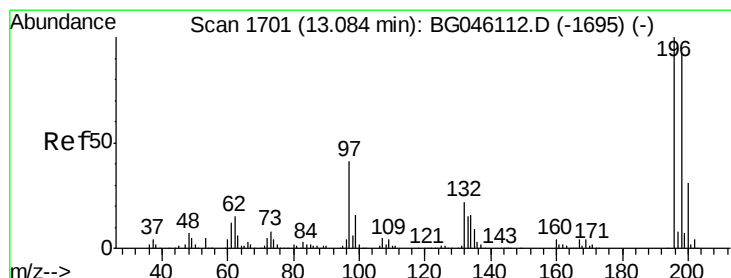
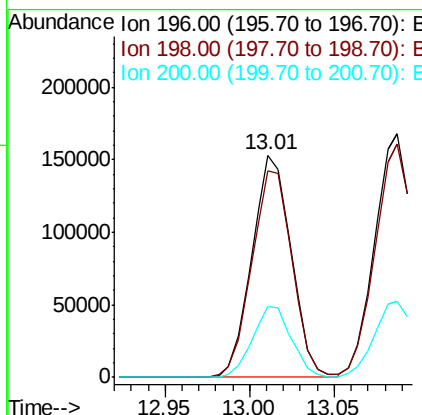
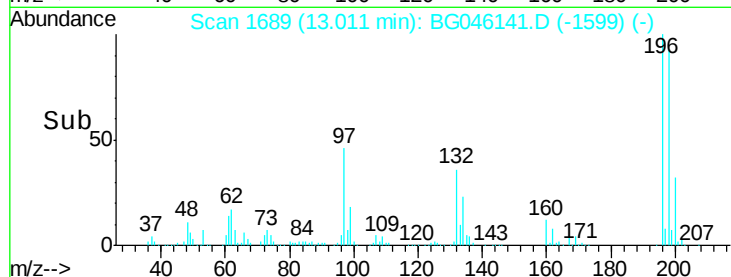
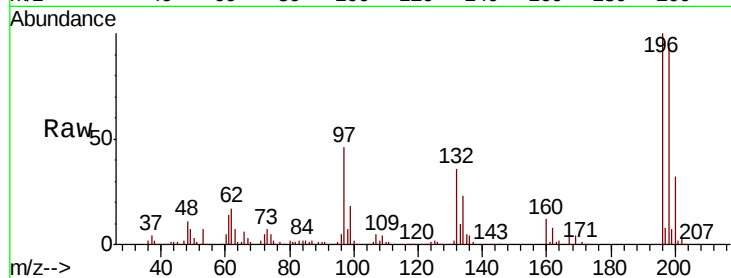
#43  
 2,4,6-Trichlorophenol  
 Concen: 46.017 ng  
 RT: 13.01 min Scan# 1689  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 247931 |       |       |
| 198     | 92.8  | 74.2   | 111.4 |       |
| 200     | 32.0  | 26.0   | 39.0  |       |

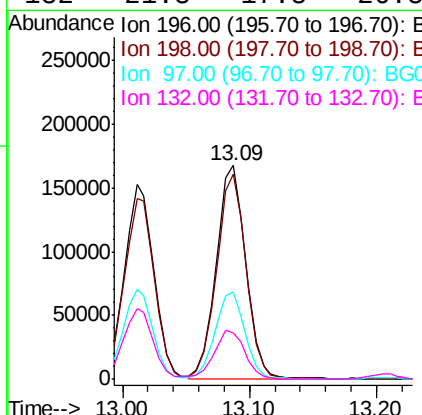
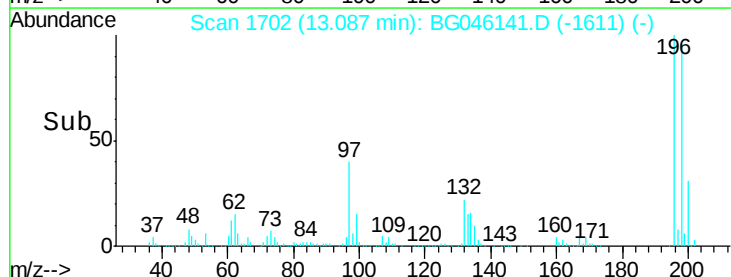
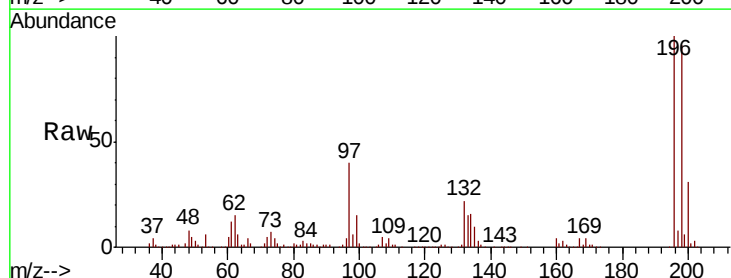
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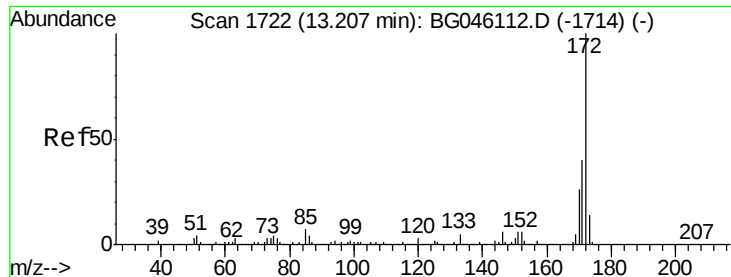
mohammad  
 8/3/2020 12:22:32 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 46.039 ng  
 RT: 13.09 min Scan# 1702  
 Delta R.T. 0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 270646 |       |       |
| 198     | 96.0  | 73.9   | 110.9 |       |
| 97      | 40.5  | 32.7   | 49.1  |       |
| 132     | 21.8  | 17.8   | 26.8  |       |





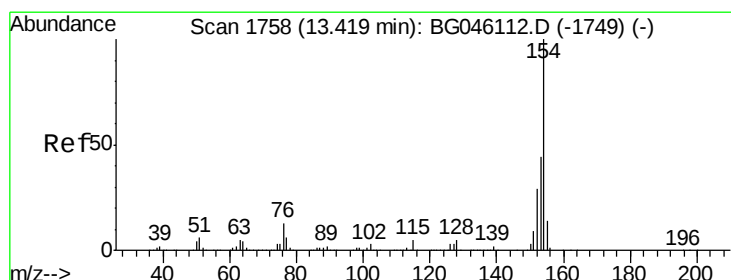
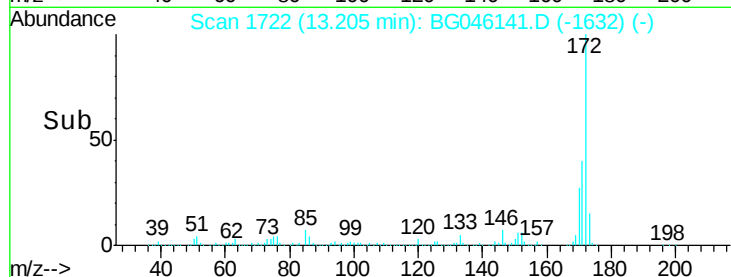
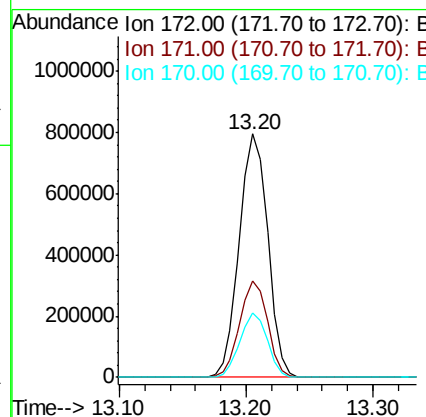
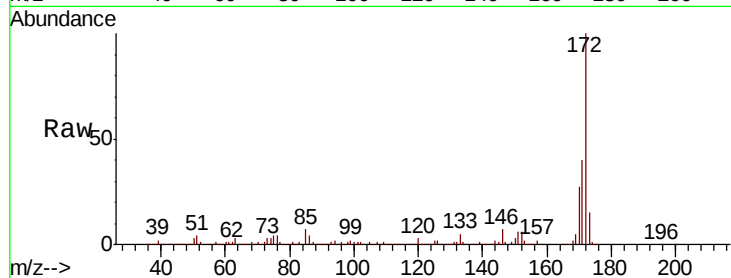
#45  
2-Fluorobiphenyl  
Concen: 76.703 ng  
RT: 13.20 min Scan# 1722  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.8  | 31.7  | 47.5  |
| 170     | 26.6  | 20.9  | 31.3  |

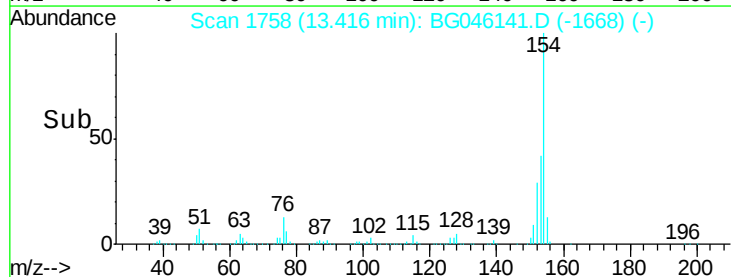
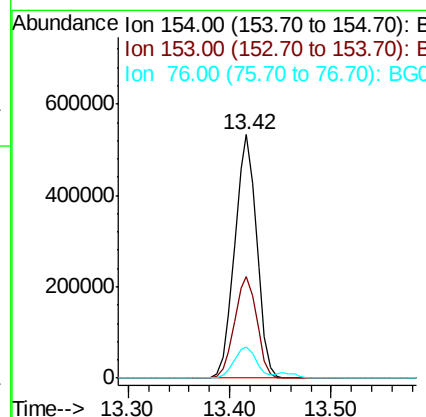
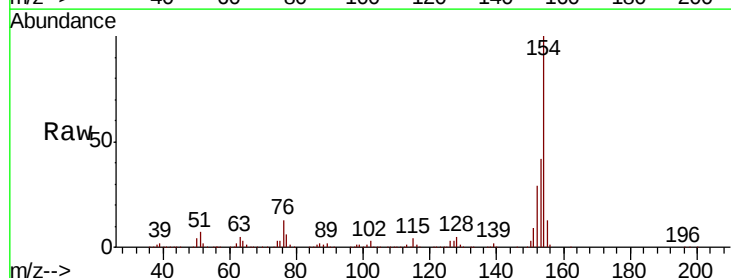
Manual Integrations  
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#46  
1,1'-Biphenyl  
Concen: 43.487 ng  
RT: 13.42 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.0  | 23.7  | 63.7  |
| 76      | 12.7  | 0.0   | 32.9  |





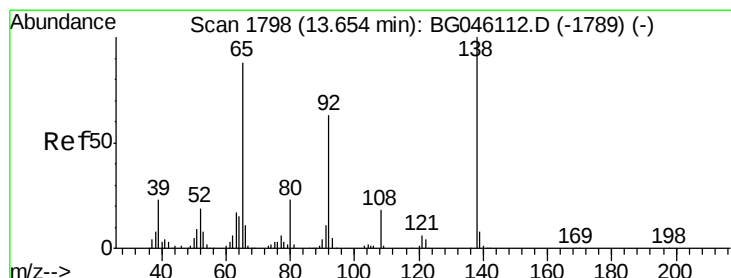
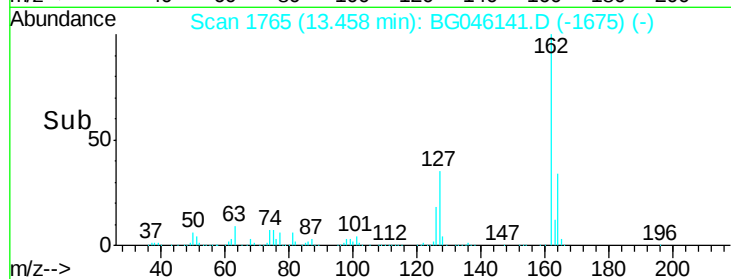
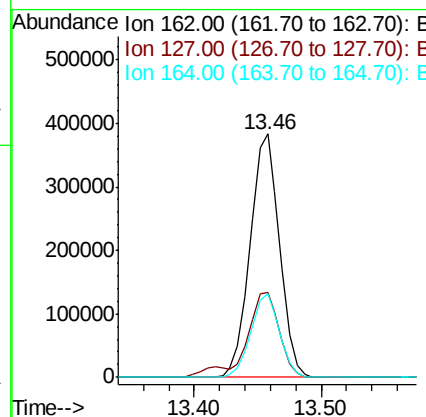
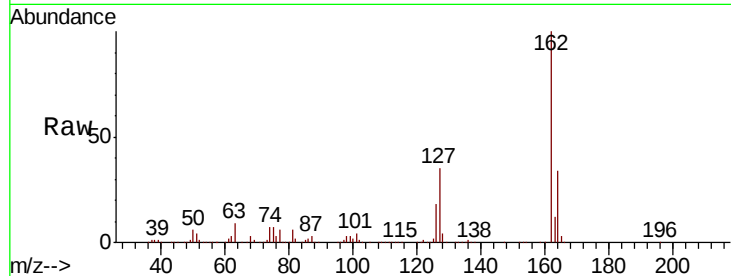
#47  
 2-Chloronaphthalene  
 Concen: 42.006 ng  
 RT: 13.46 min Scan# 1765  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 34.9  | 28.0  | 42.0  |
| 164     | 34.1  | 26.5  | 39.7  |

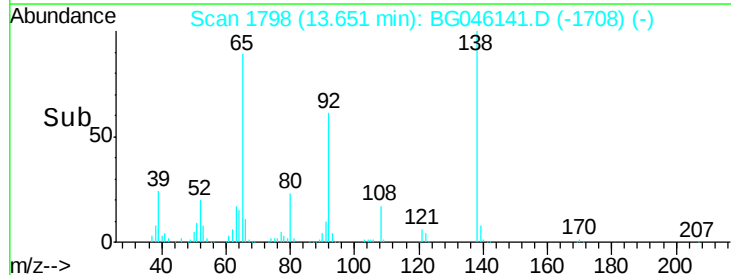
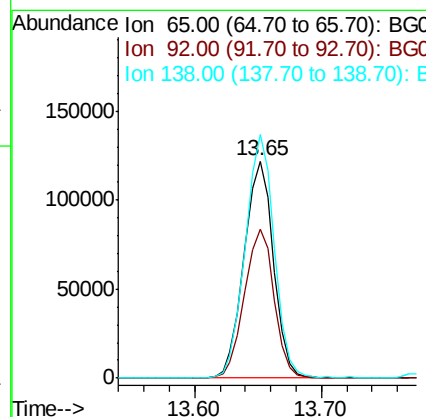
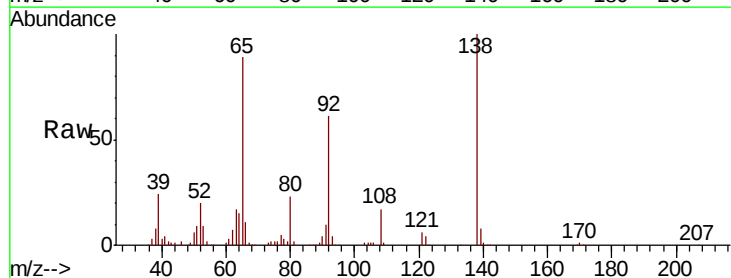
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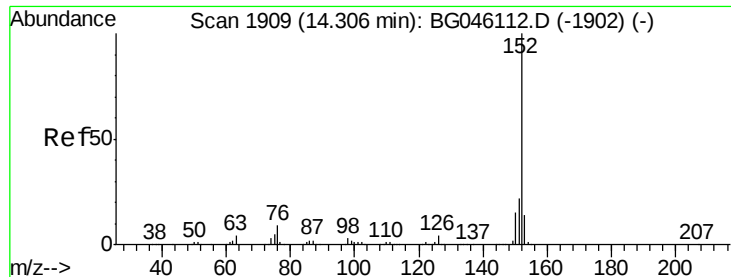
mohammad  
 8/3/2020 12:22:32 PM



#48  
 2-Nitroaniline  
 Concen: 51.388 ng  
 RT: 13.65 min Scan# 1798  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 68.6  | 57.4  | 86.2  |
| 138     | 112.3 | 91.1  | 136.7 |





#49

Acenaphthylene

Concen: 43.946 ng

RT: 14.30 min Scan# 1909

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

ClientSampleId :

SU-01-073020MSD

Tot Ion:152 Resp: 1000853

Ion Ratio Lower Upper

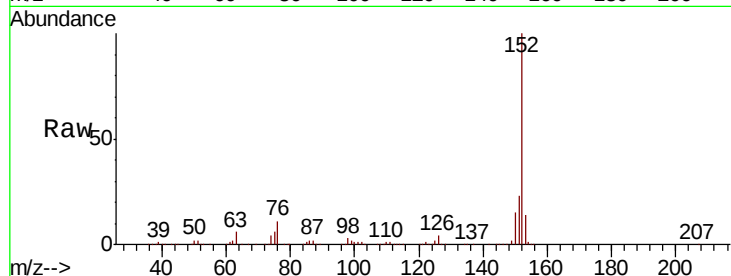
152 100

151 22.6 17.4 26.2

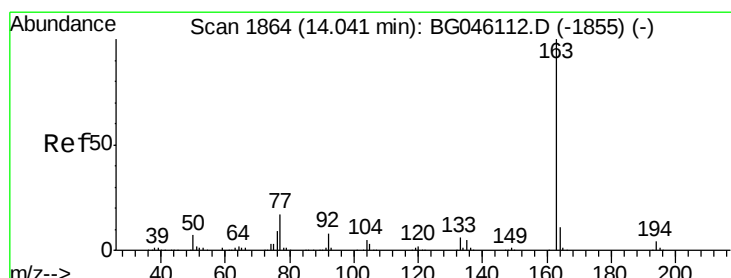
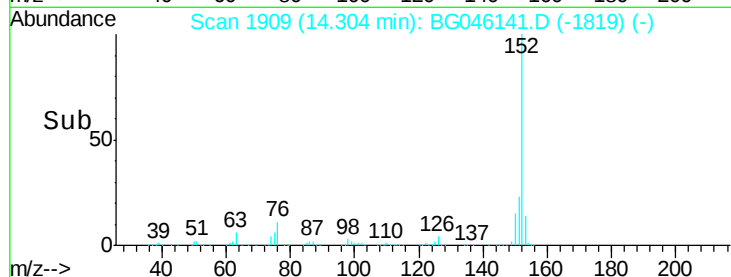
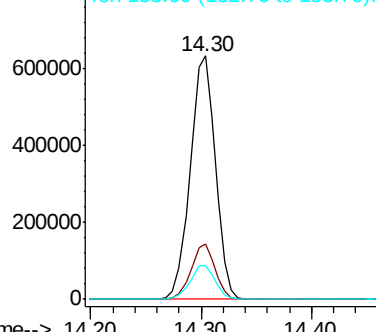
153 13.7 10.9 16.3

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



#50

Dimethylphthalate

Concen: 47.059 ng

RT: 14.04 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

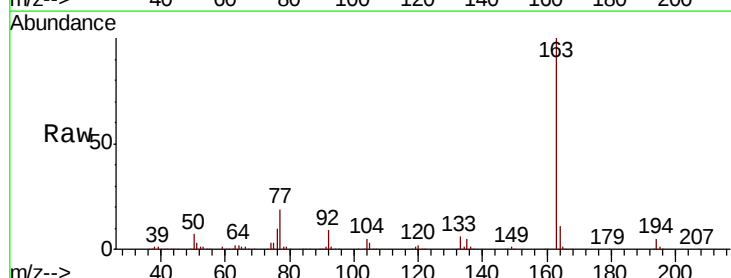
Tgt Ion:163 Resp: 846560

Ion Ratio Lower Upper

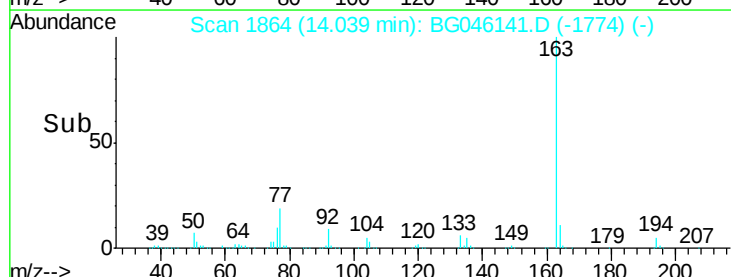
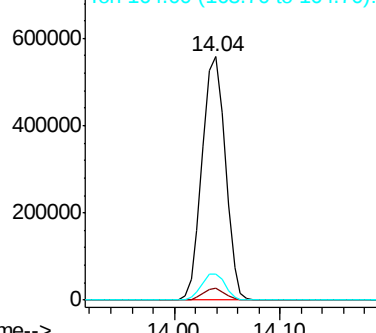
163 100

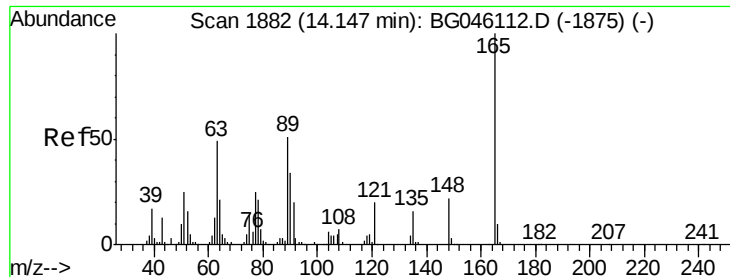
194 5.1 3.5 5.3

164 10.6 8.8 13.2



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





#51

2,6-Dinitrotoluene

Concen: 45.975 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

ClientSampleId :

SU-01-073020MSD

Tot Ion:165 Resp: 192483  
Ion Ratio Lower Upper

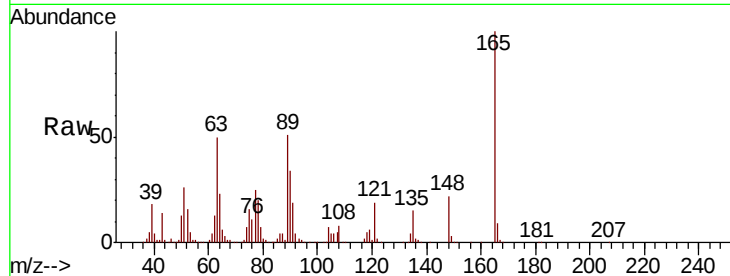
165 100

63 49.6 39.7 59.5

89 50.8 41.0 61.6

Manual Integrations  
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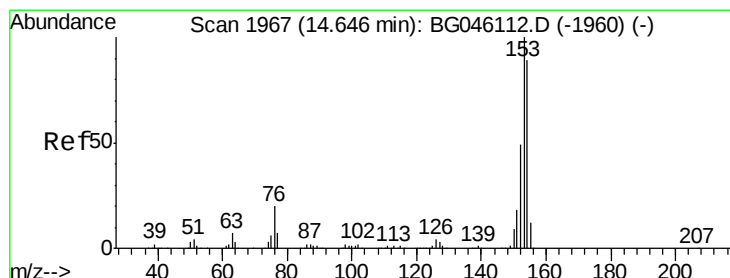
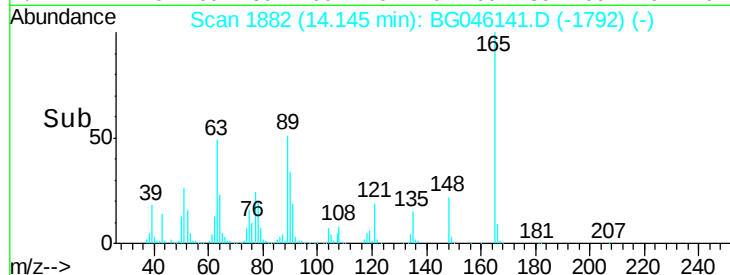
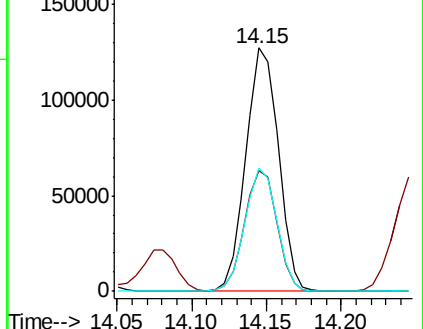
mohammad  
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 48.235 ng m

RT: 14.64 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG046141.D

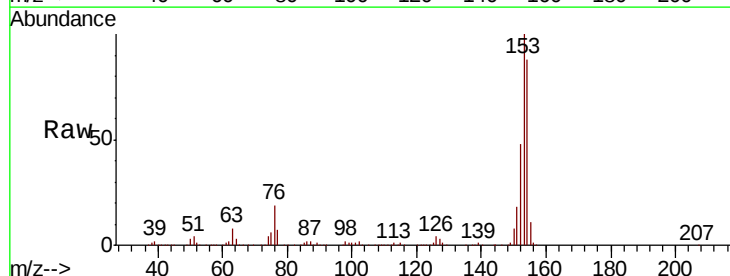
Acq: 1 Aug 2020 2:54

Tgt Ion:154 Resp: 725008  
Ion Ratio Lower Upper

154 100

153 113.6 89.8 134.8

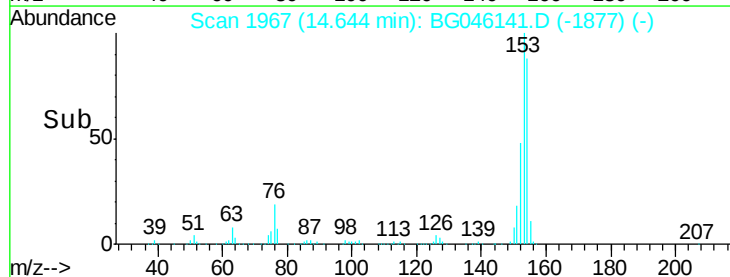
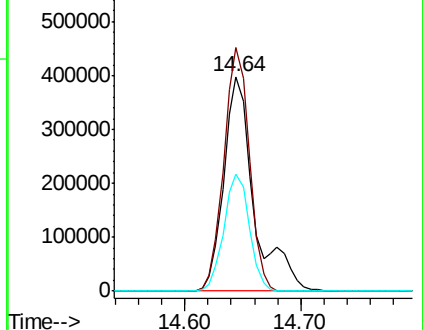
152 54.3 44.5 66.7

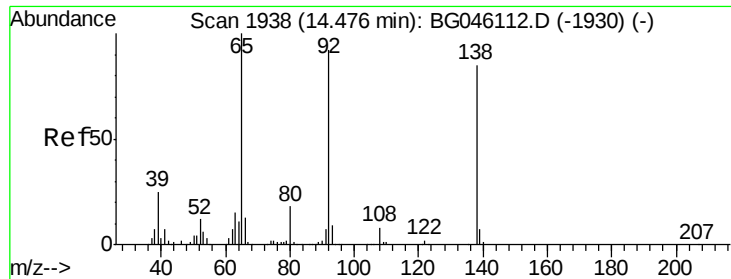


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





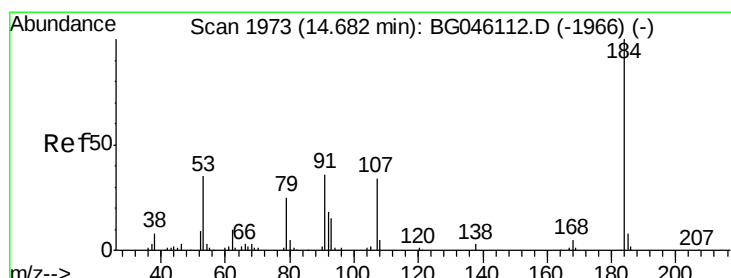
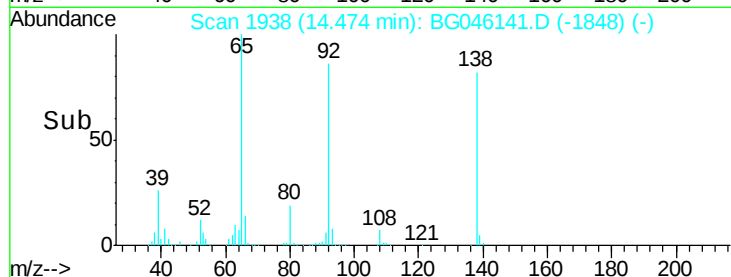
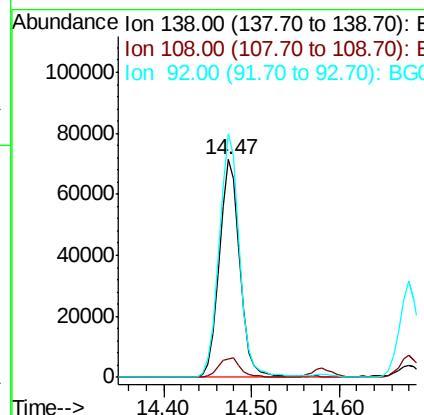
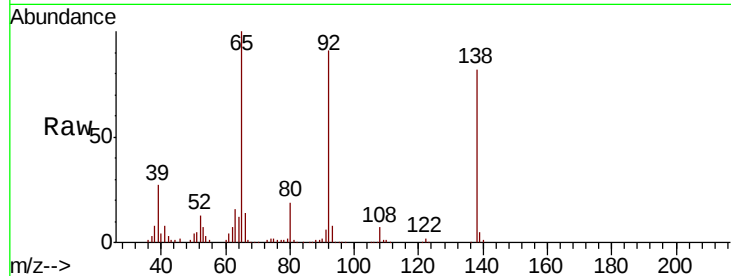
#53  
3-Nitroaniline  
Concen: 28.164 ng  
RT: 14.47 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 8.5   | 7.2   | 10.8  |
| 92      | 111.8 | 87.5  | 131.3 |

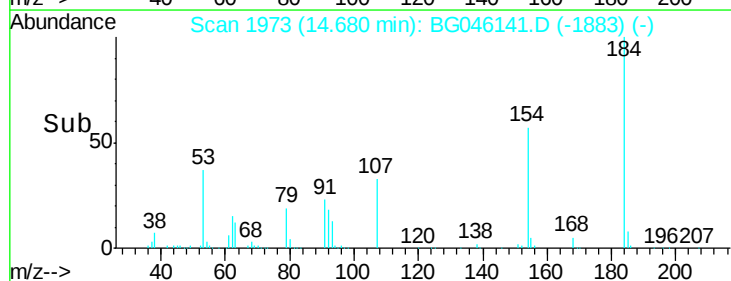
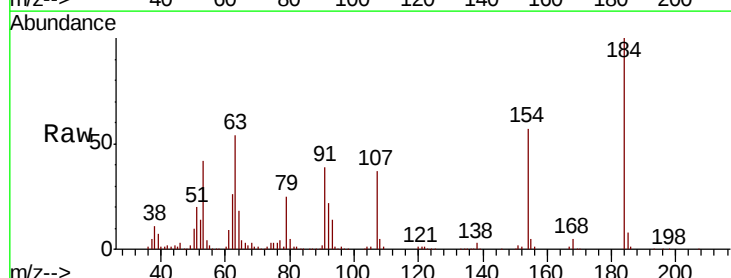
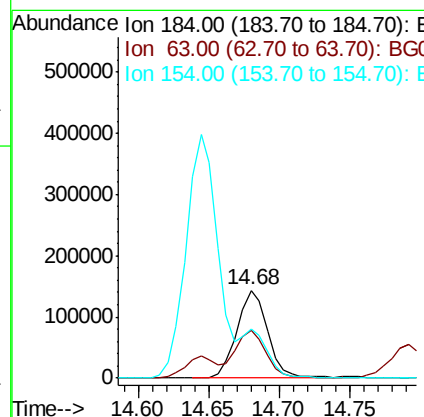
Manual Integrations  
APPROVED

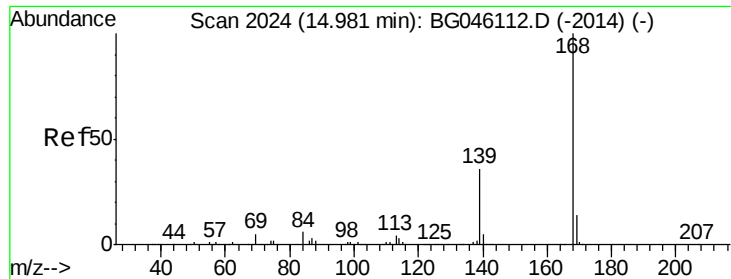
mohammad  
8/3/2020 12:22:32 PM



#54  
2,4-Dinitrophenol  
Concen: 82.537 ng  
RT: 14.68 min Scan# 1973  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 54.2  | 36.7  | 55.1  |
| 154     | 56.7  | 41.3  | 61.9  |





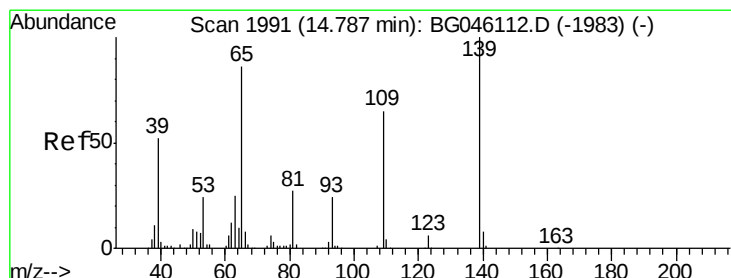
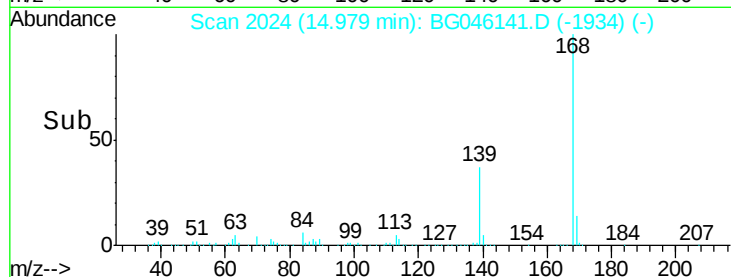
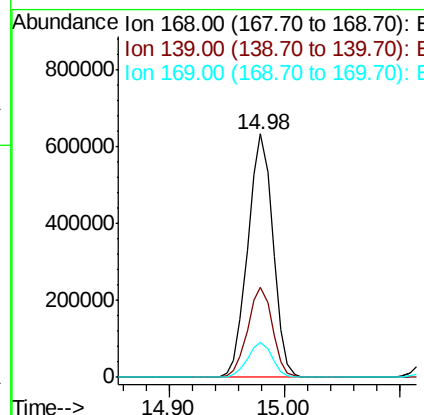
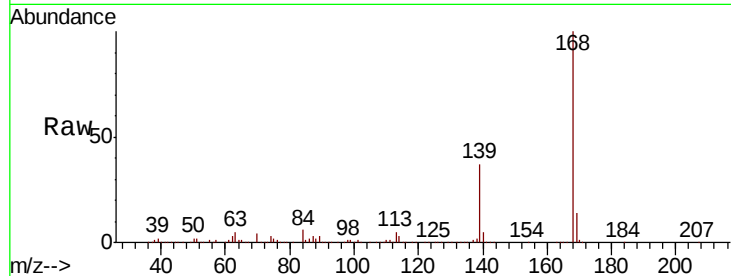
#55  
Dibenzenofuran  
Concen: 42.300 ng  
RT: 14.98 min Scan# 2024  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 36.9  | 29.0 | 43.4  |       |
| 169     | 14.3  | 11.3 | 16.9  |       |

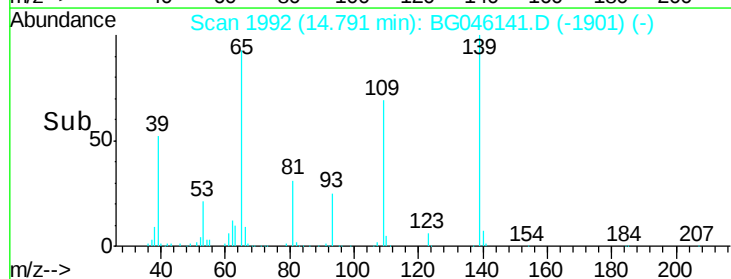
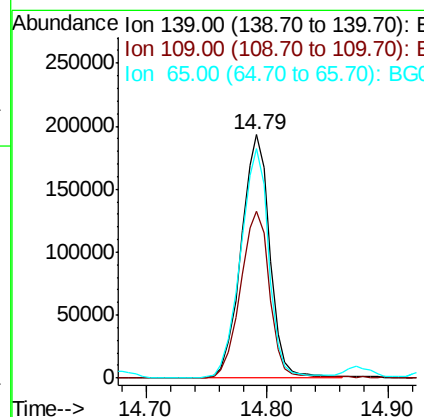
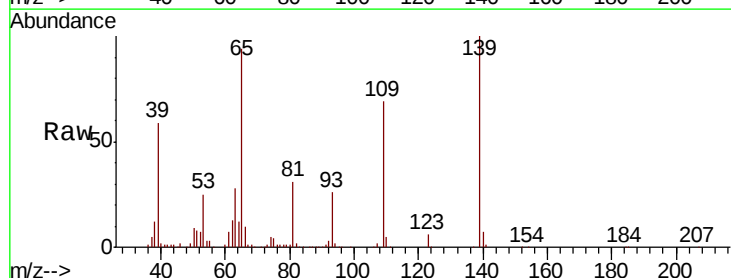
Manual Integrations  
APPROVED

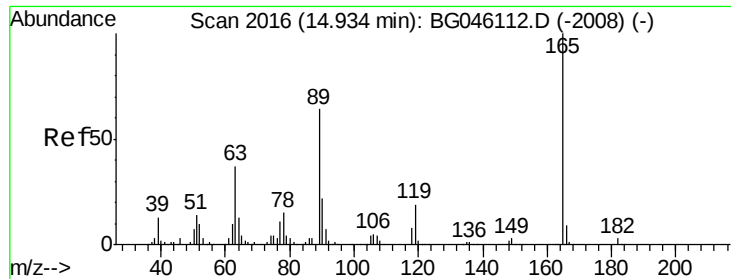
mohammad  
8/3/2020 12:22:32 PM



#56  
4-Nitrophenol  
Concen: 88.712 ng  
RT: 14.79 min Scan# 1992  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 68.7  | 45.1 | 85.1  |       |
| 65      | 94.3  | 66.4 | 106.4 |       |





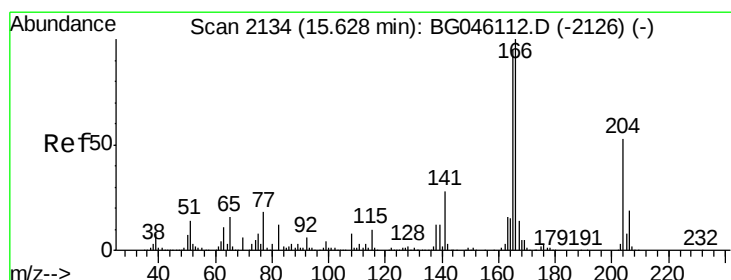
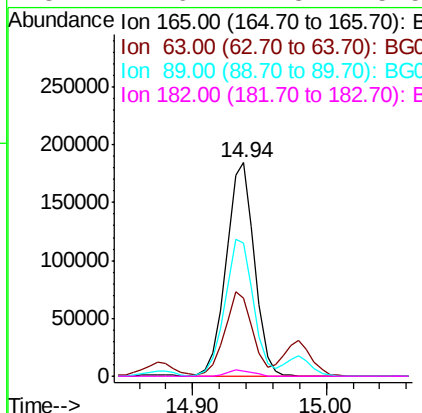
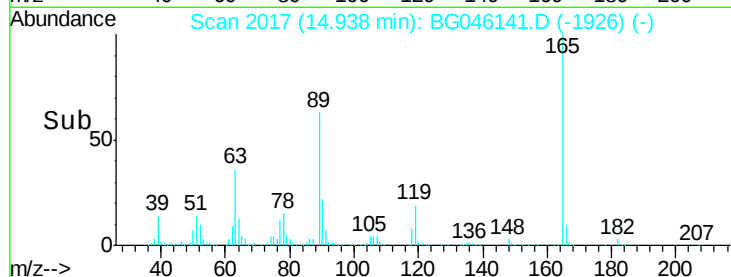
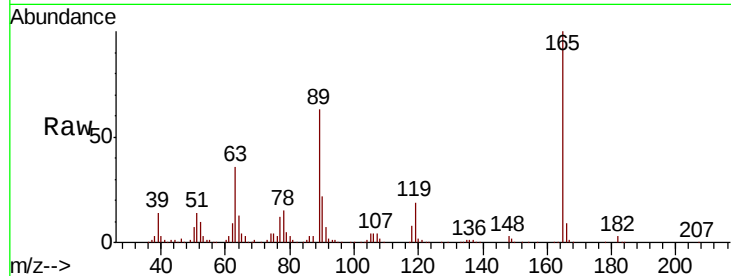
#57  
2,4-Dinitrotoluene  
Concen: 47.283 ng  
RT: 14.94 min Scan# 2017  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 272177 |       |       |
| 63      | 36.3 |       | 30.1   | 45.1  |       |
| 89      | 62.5 |       | 51.4   | 77.2  |       |
| 182     | 2.6  |       | 2.3    | 3.5   |       |

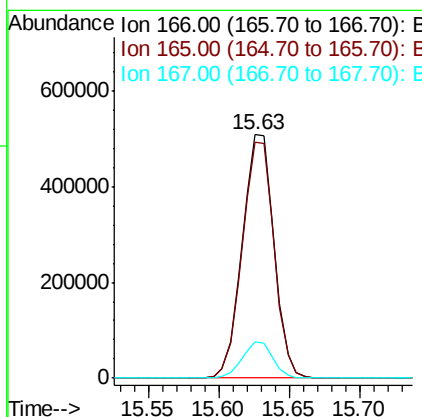
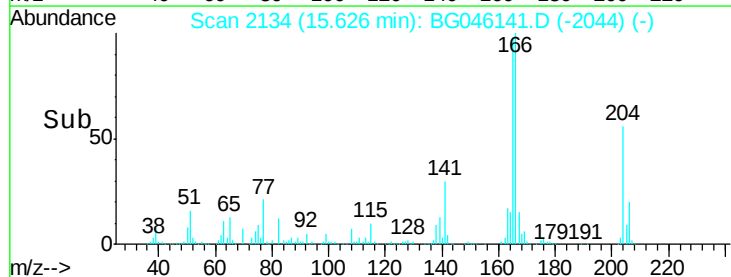
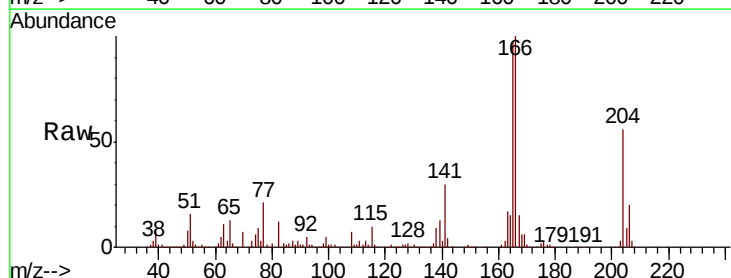
Manual Integrations  
APPROVED

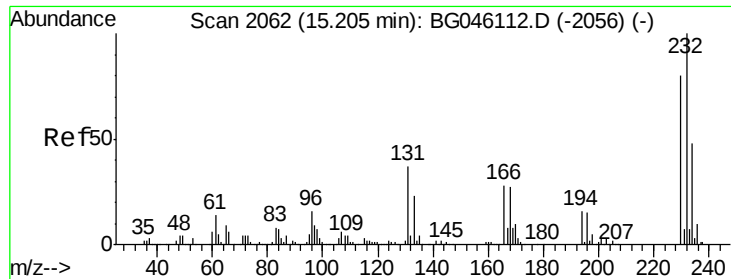
mohammad  
8/3/2020 12:22:32 PM



#58  
Fluorene  
Concen: 43.530 ng  
RT: 15.63 min Scan# 2134  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 799526 |       |       |
| 165     | 97.1 |       | 76.3   | 114.5 |       |
| 167     | 14.7 |       | 11.0   | 16.6  |       |





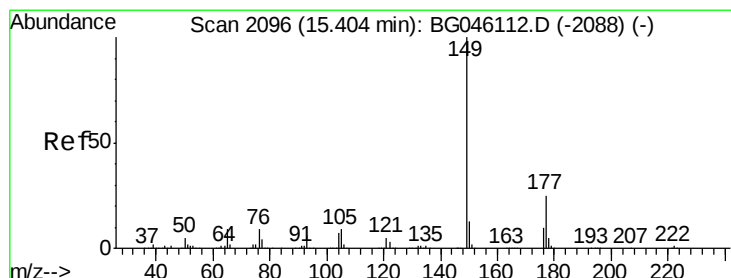
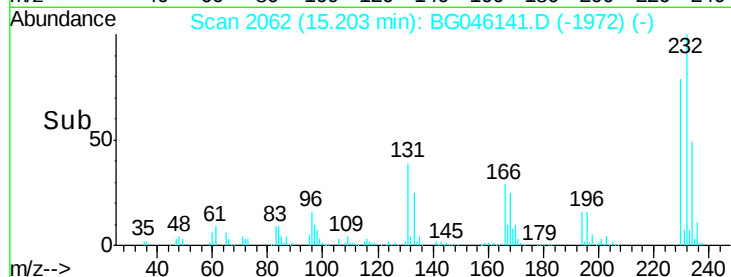
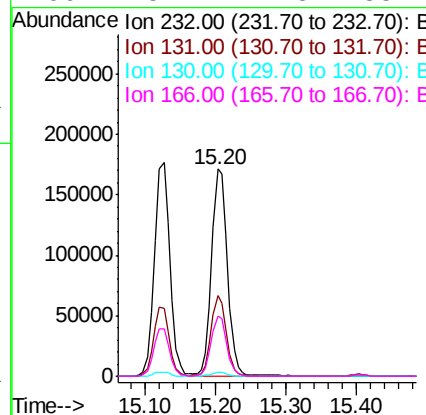
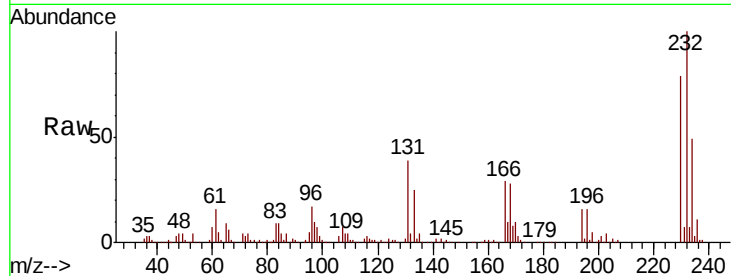
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.199 ng  
 RT: 15.20 min Scan# 2062  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 266889 |       |       |
| 131     | 37.3  |        | 28.6  | 42.8  |
| 130     | 2.1   |        | 1.6   | 2.4   |
| 166     | 28.7  |        | 22.5  | 33.7  |

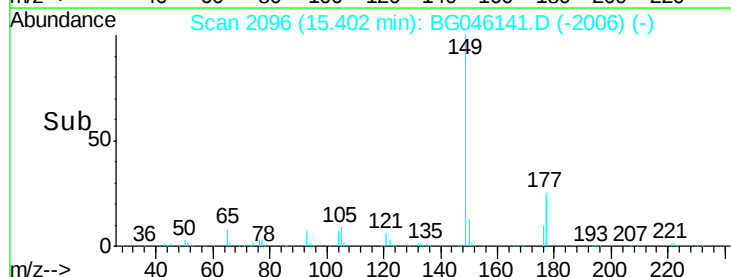
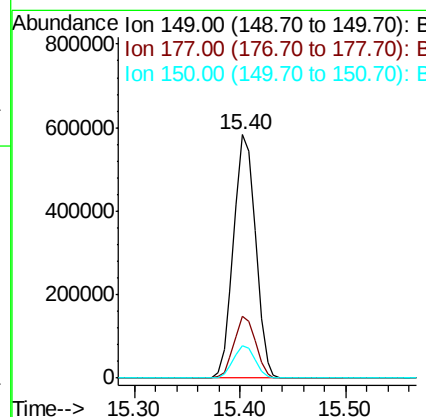
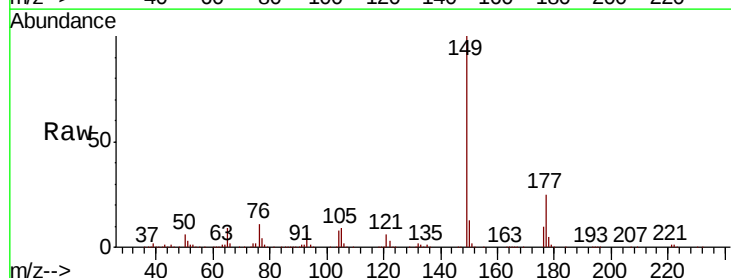
Manual Integrations  
 APPROVED

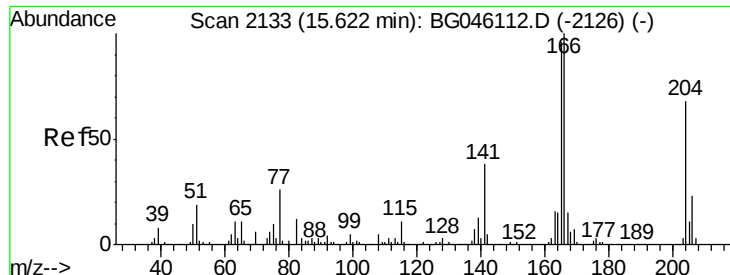
mohammad  
 8/3/2020 12:22:32 PM



#60  
 Diethylphthalate  
 Concen: 47.281 ng  
 RT: 15.40 min Scan# 2096  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 836719 |       |       |
| 177     | 25.3  |        | 19.7  | 29.5  |
| 150     | 13.1  |        | 10.8  | 16.2  |





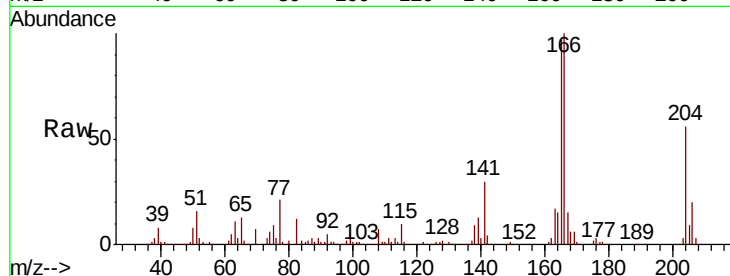
#61  
 4-Chlorophenyl-phenylether  
 Concen: 44.537 ng  
 RT: 15.63 min Scan# 2134  
 Delta R.T. 0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 35.9  | 27.7  | 41.5  |
| 141     | 53.5  | 44.7  | 67.1  |

Manual Integrations  
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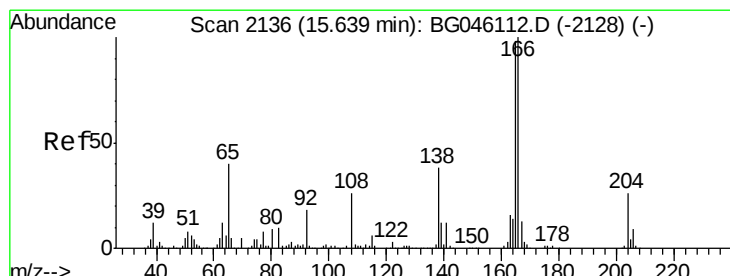
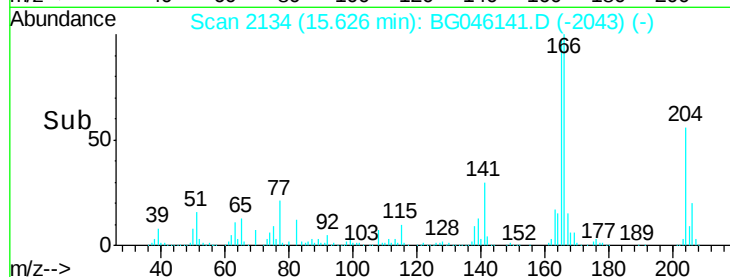
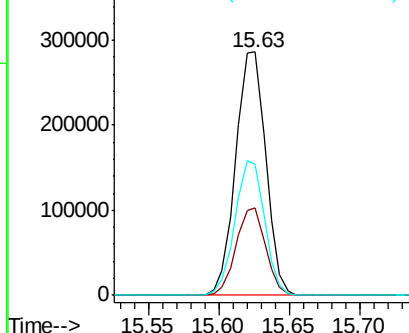


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
 4-Nitroaniline  
 Concen: 48.679 ng  
 RT: 15.64 min Scan# 2137  
 Delta R.T. 0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

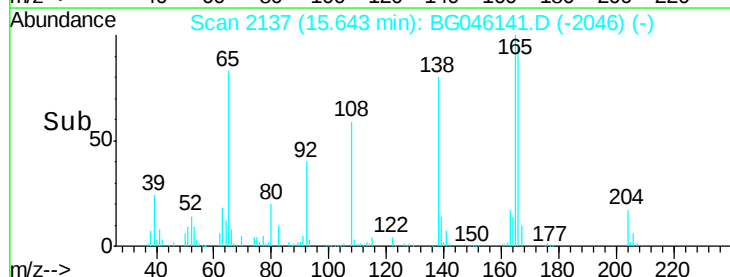
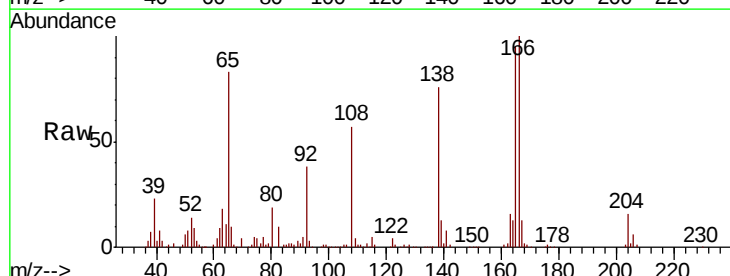
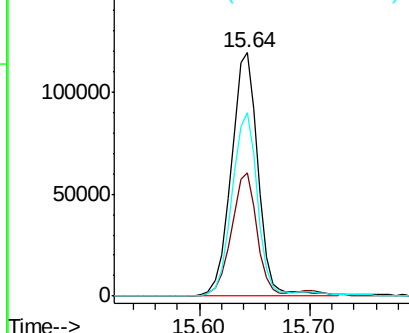
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.5  | 28.3  | 68.3  |
| 108     | 75.2  | 49.2  | 89.2  |

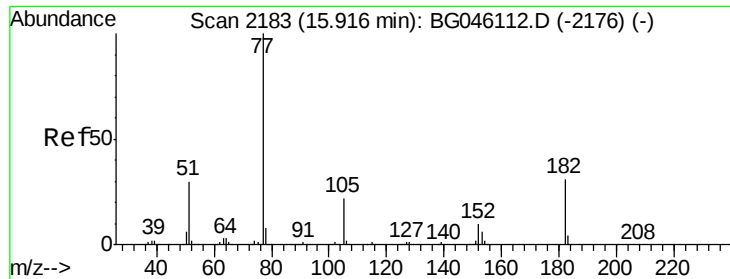
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





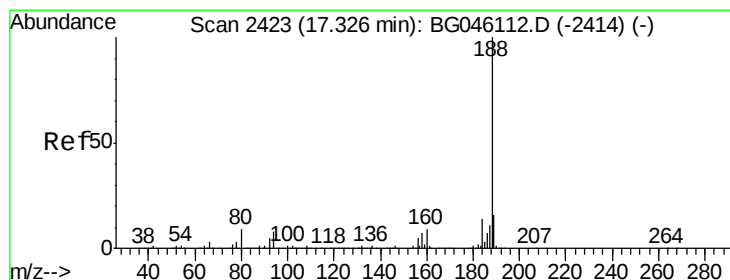
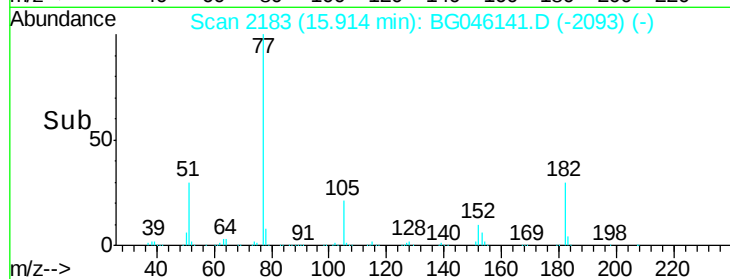
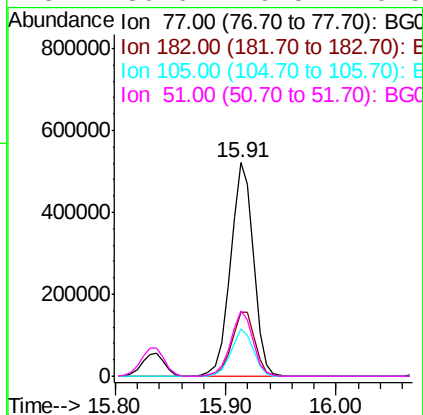
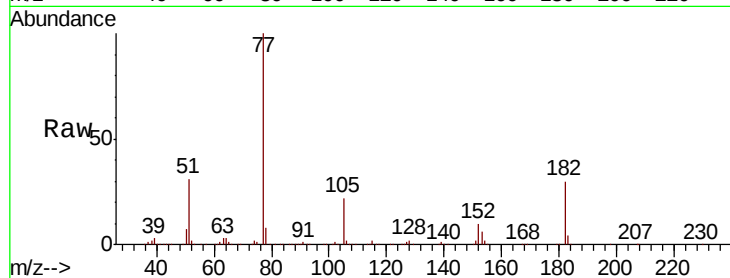
#63  
Azobenzene  
Concen: 45.661 ng  
RT: 15.91 min Scan# 2183  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 30.0  | 10.7  | 50.7  |
| 105     | 22.2  | 1.9   | 41.9  |
| 51      | 30.6  | 9.5   | 49.5  |

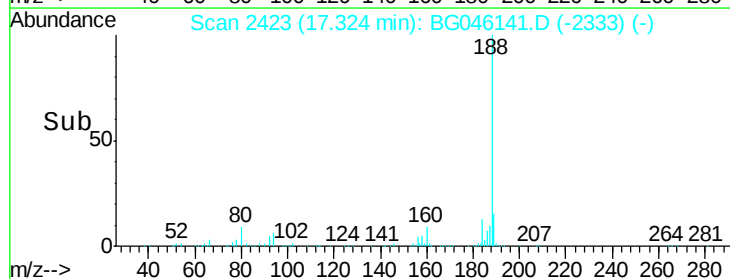
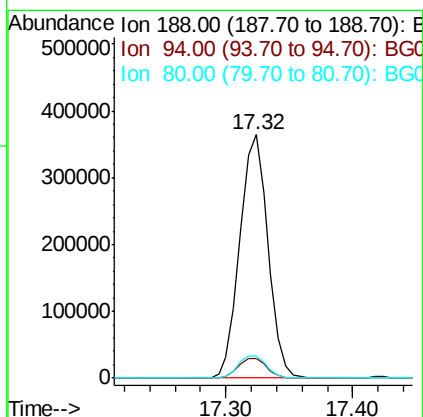
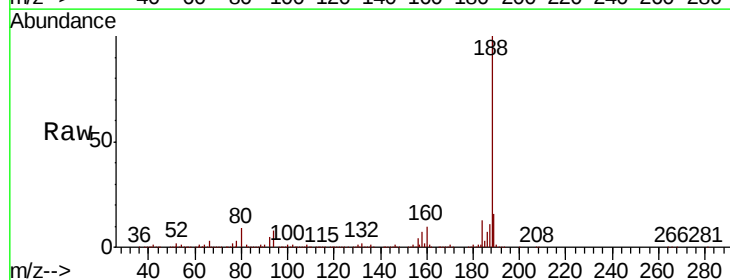
Manual Integrations  
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mohammad  
8/3/2020 12:22:32 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.32 min Scan# 2423  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 6.4   | 9.6   |
| 80      | 9.2   | 7.4   | 11.0  |





#65

4,6-Dinitro-2-methylphenol

Concen: 45.600 ng

RT: 15.70 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

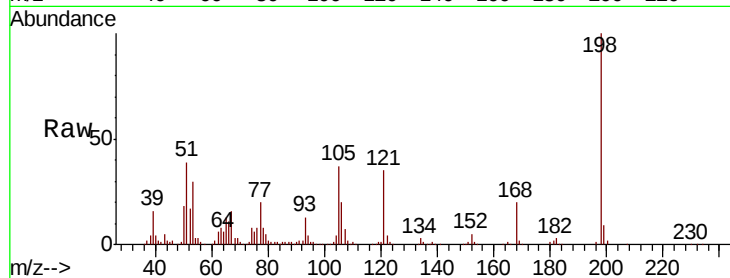
ClientSampleId :

SU-01-073020MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 198   | Resp: | 169196 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 38.8  | 20.1  | 60.1   |
| 105       | 37.4  | 19.2  | 59.2   |

Manual Integrations  
APPROVED

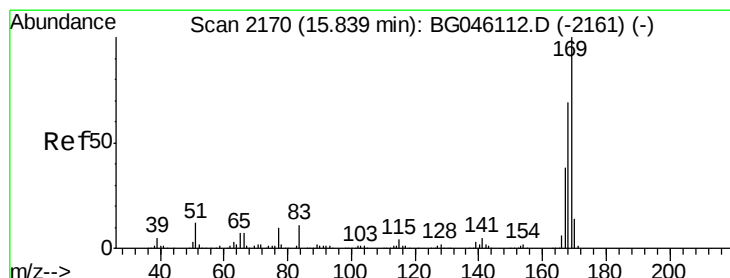
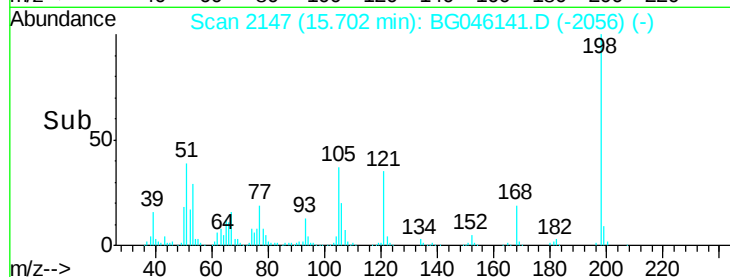
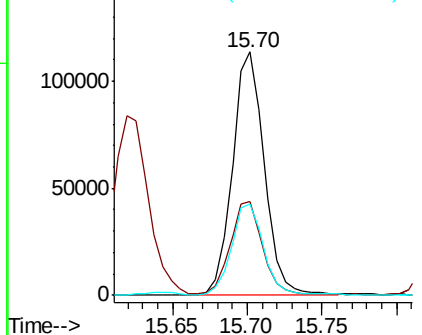
mohammad  
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 43.535 ng

RT: 15.84 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BG046141.D

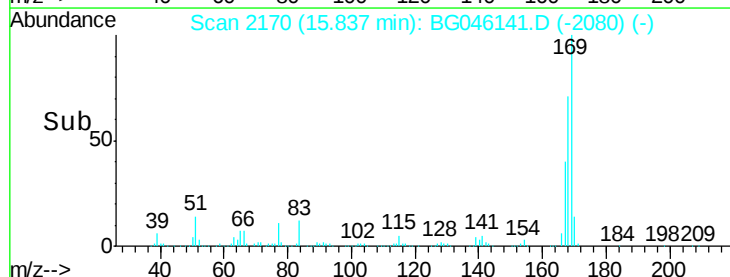
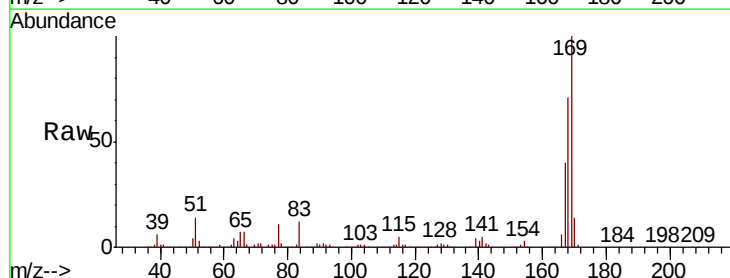
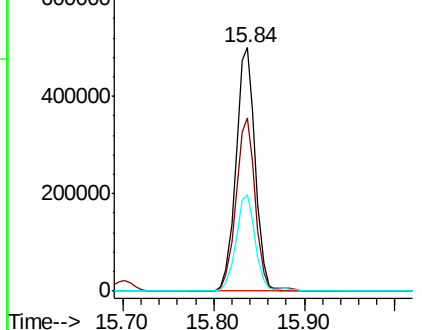
Acq: 1 Aug 2020 2:54

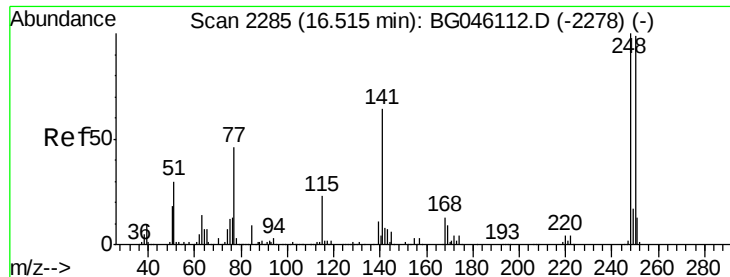
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 739344 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 71.0  | 55.1  | 82.7   |
| 167       | 39.6  | 30.5  | 45.7   |

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





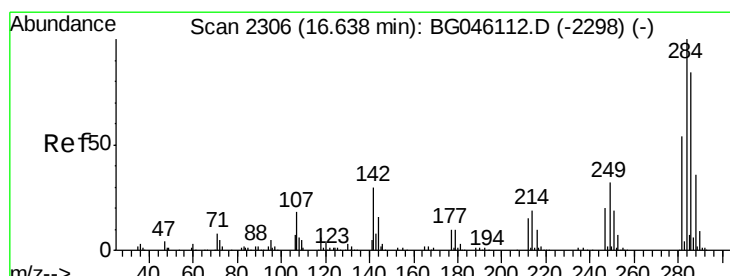
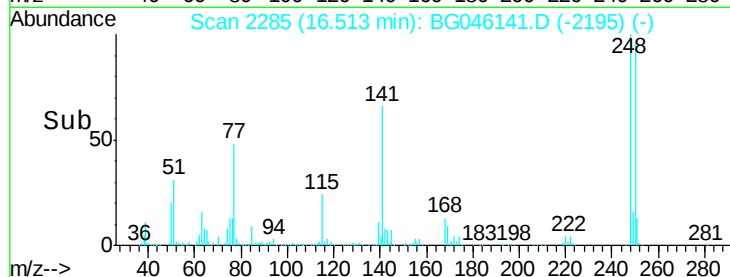
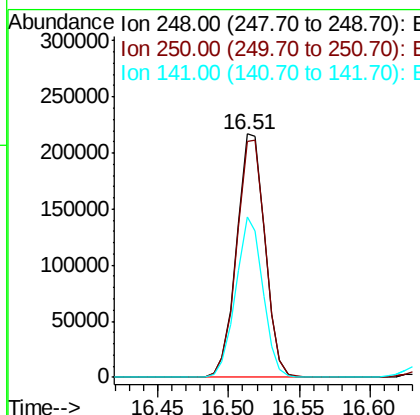
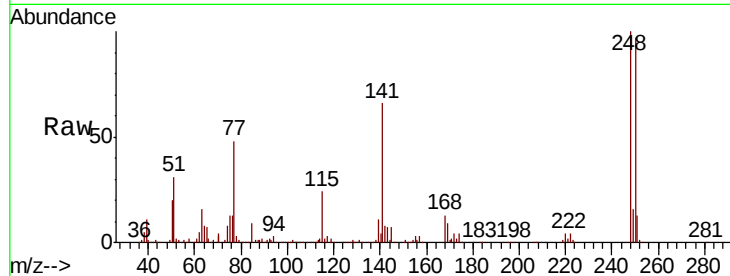
#67  
4-Bromophenyl-phenylether  
Concen: 43.741 ng  
RT: 16.51 min Scan# 2285  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.0  | 79.4  | 119.0 |
| 141     | 65.7  | 50.9  | 76.3  |

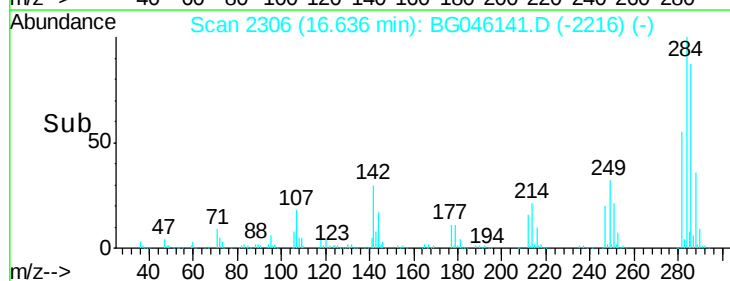
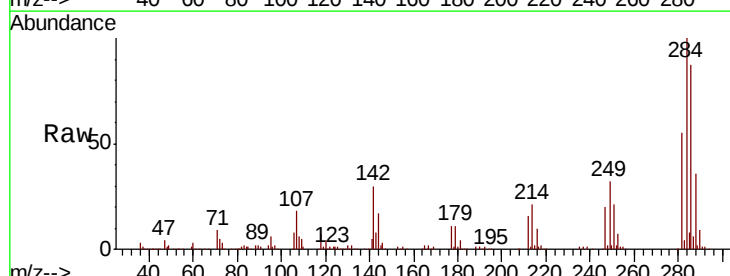
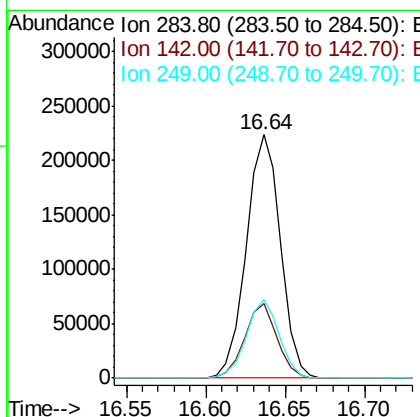
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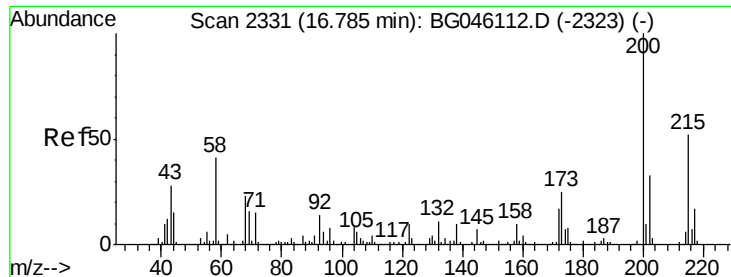
mohammad  
8/3/2020 12:22:32 PM



#68  
Hexachlorobenzene  
Concen: 42.823 ng  
RT: 16.64 min Scan# 2306  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 30.4  | 23.6  | 35.4  |
| 249     | 32.0  | 25.3  | 37.9  |





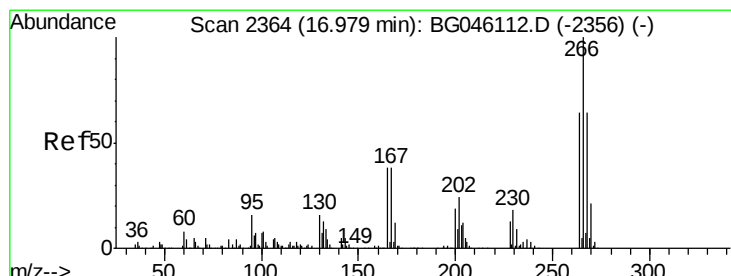
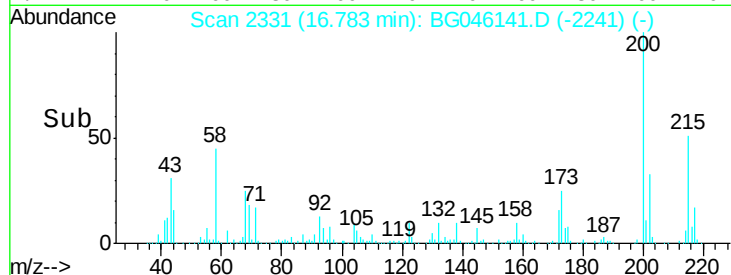
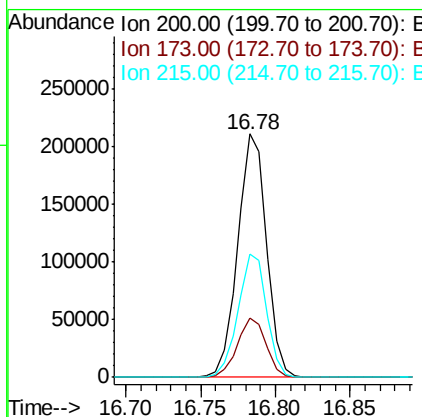
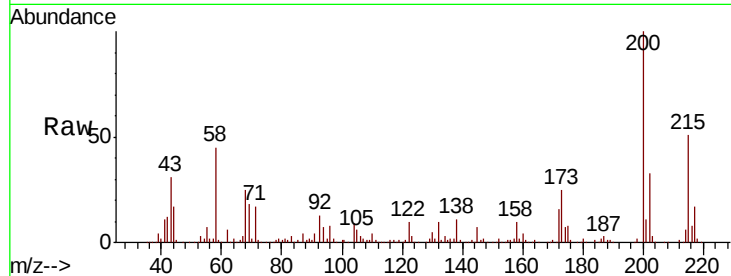
#69  
 Atrazine  
 Concen: 43.194 ng  
 RT: 16.78 min Scan# 2331  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 24.5  | 5.3        | 45.3  |
| 215     | 50.8  | 31.5       | 71.5  |

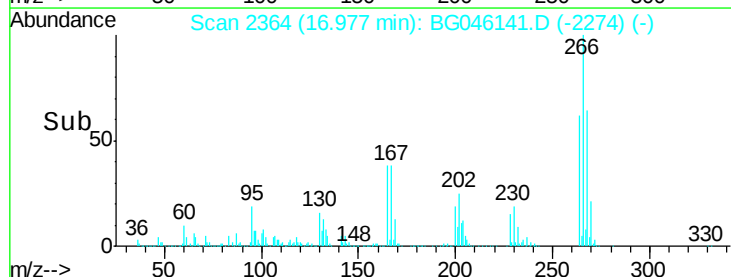
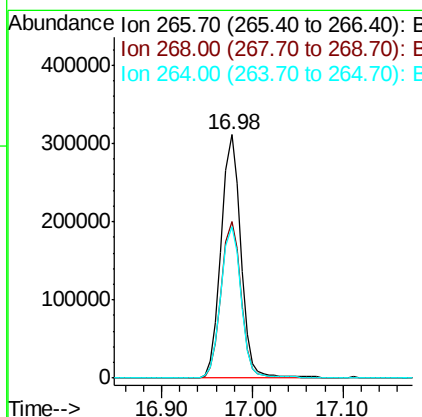
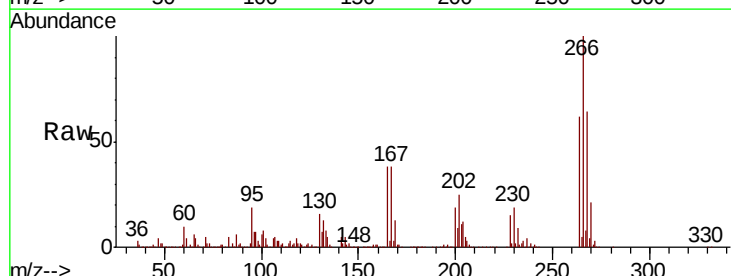
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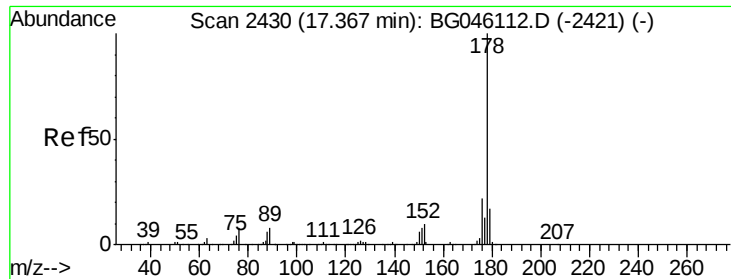
mohammad  
 8/3/2020 12:22:32 PM



#70  
 Pentachlorophenol  
 Concen: 93.516 ng  
 RT: 16.98 min Scan# 2364  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.2  | 51.2       | 76.8  |
| 264     | 62.0  | 51.1       | 76.7  |





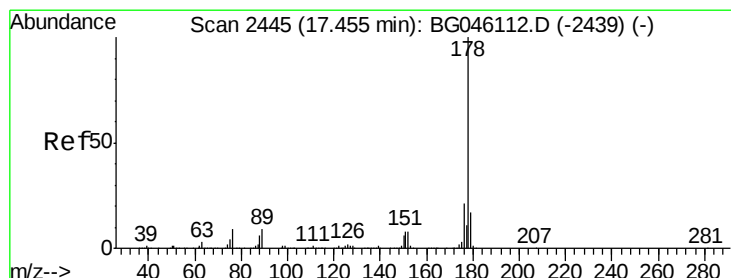
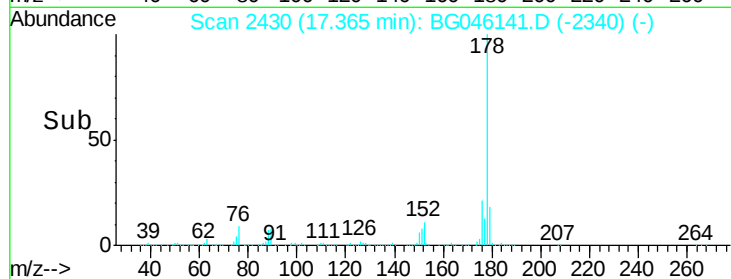
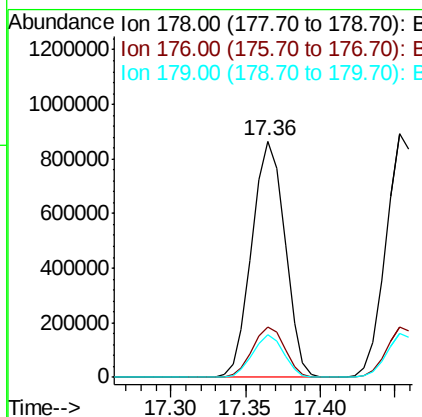
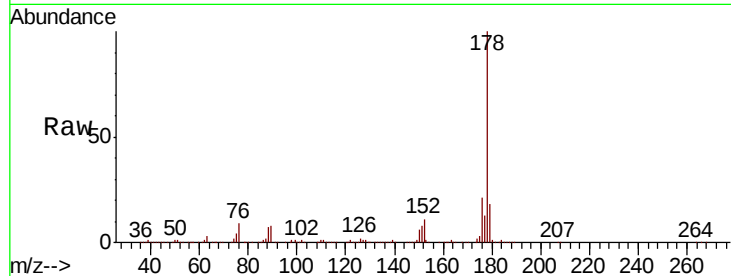
#71  
Phenanthrene  
Concen: 43.338 ng  
RT: 17.36 min Scan# 2430  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.4  | 17.3  | 25.9  |
| 179     | 17.9  | 13.8  | 20.6  |

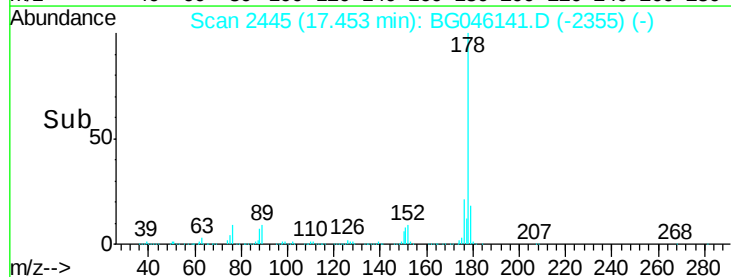
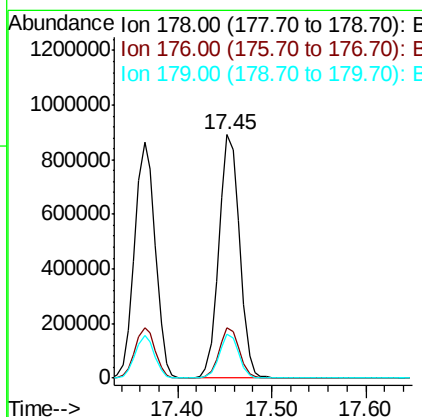
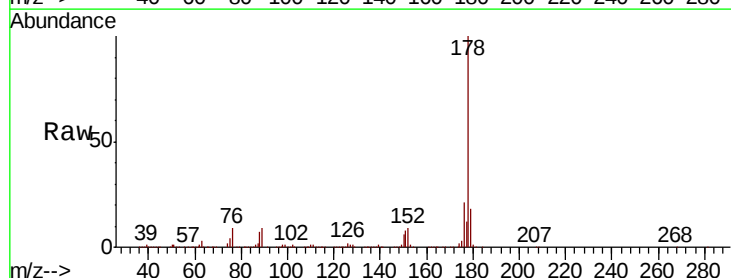
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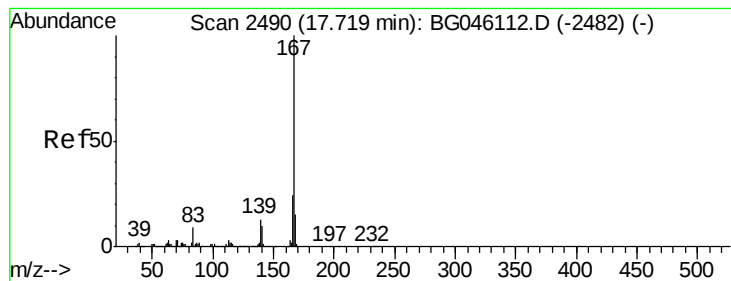
mohammad  
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#72  
Anthracene  
Concen: 44.844 ng  
RT: 17.45 min Scan# 2445  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.9  | 16.6  | 24.8  |
| 179     | 17.9  | 13.4  | 20.2  |





#73

Carbazole

Concen: 44.070 ng

RT: 17.72 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

ClientSampleId :

SU-01-073020MSD

Tot Ion:167 Resp: 1299045

Ion Ratio Lower Upper

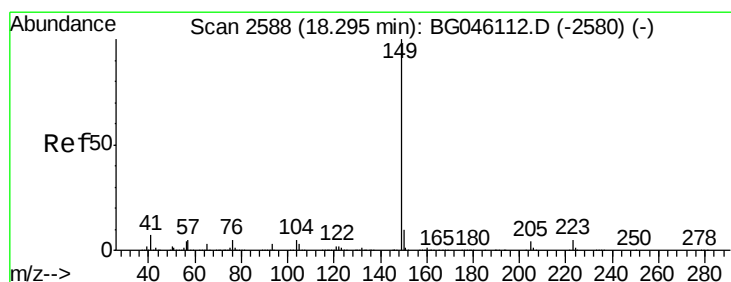
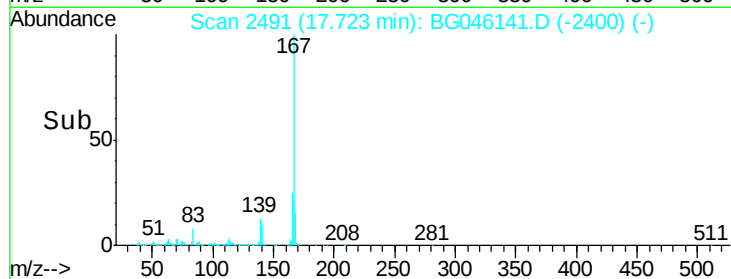
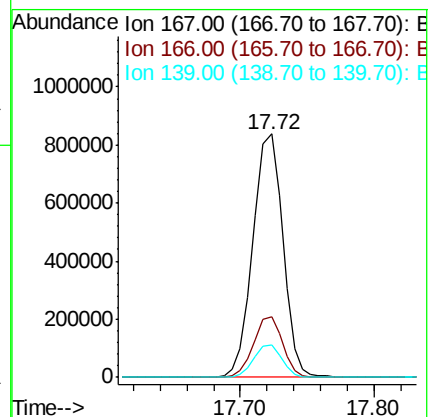
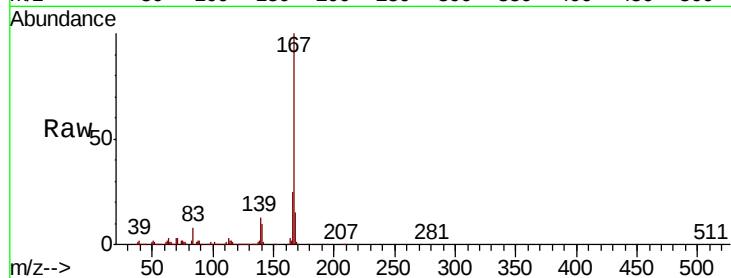
167 100

166 25.1 19.4 29.0

139 13.1 10.1 15.1

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#74

Di-n-butylphthalate

Concen: 48.856 ng

RT: 18.29 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

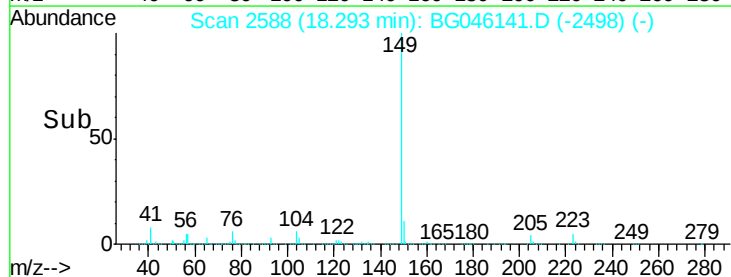
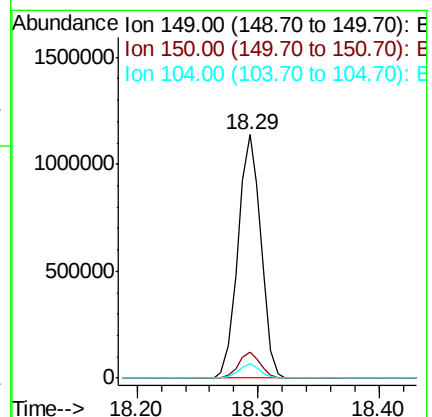
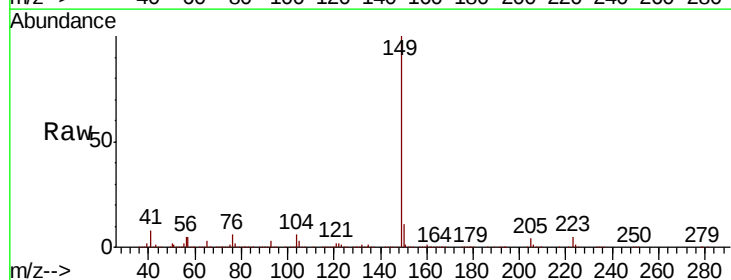
Tgt Ion:149 Resp: 1505322

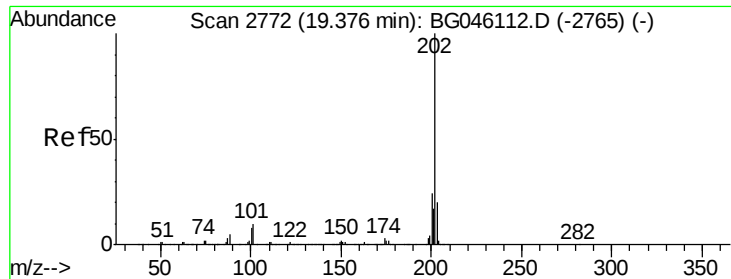
Ion Ratio Lower Upper

149 100

150 10.9 8.4 12.6

104 5.7 4.2 6.2





#75

Fluoranthene

Concen: 44.539 ng

RT: 19.37 min Scan# 2772

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

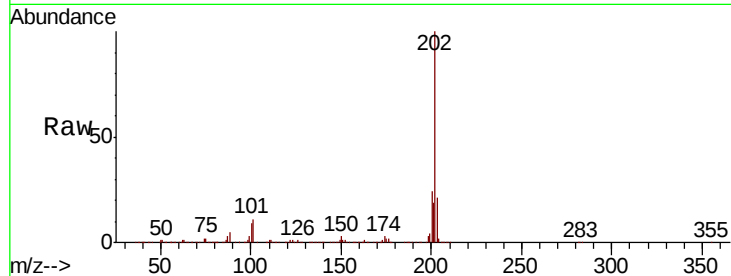
ClientSampleId :

SU-01-073020MSD

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1708892 |       |       |
| 101     | 11.4  |         | 0.0   | 30.0  |
| 203     | 21.2  |         | 0.2   | 40.2  |

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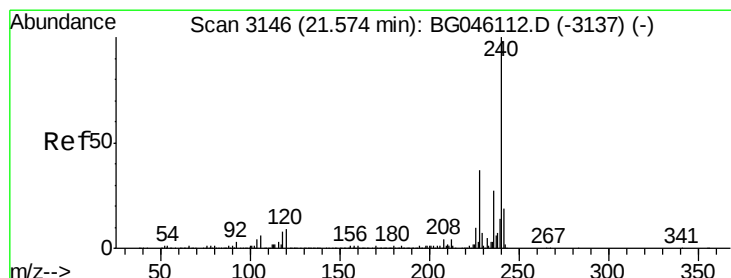
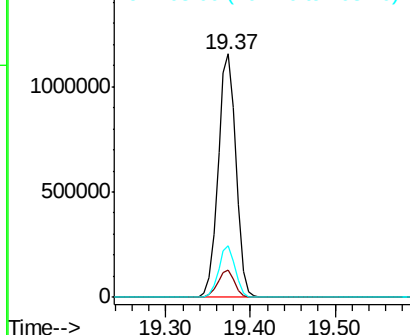
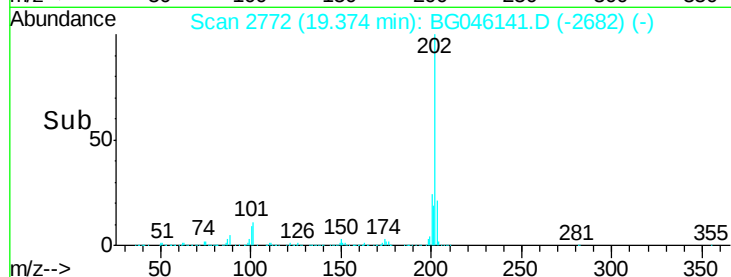


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

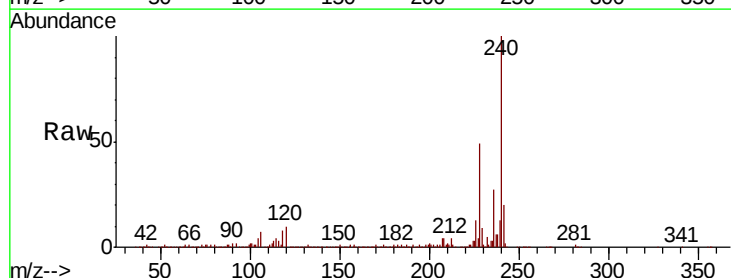
RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 594254 |       |       |
| 120     | 9.5   |        | 7.1   | 10.7  |
| 236     | 26.8  |        | 21.7  | 32.5  |

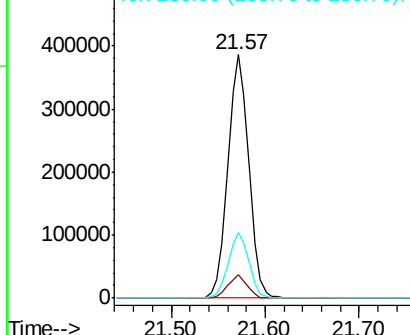
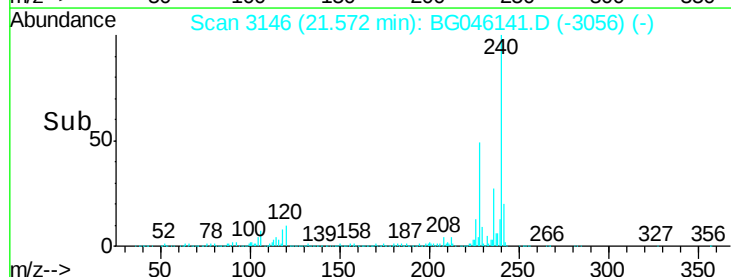


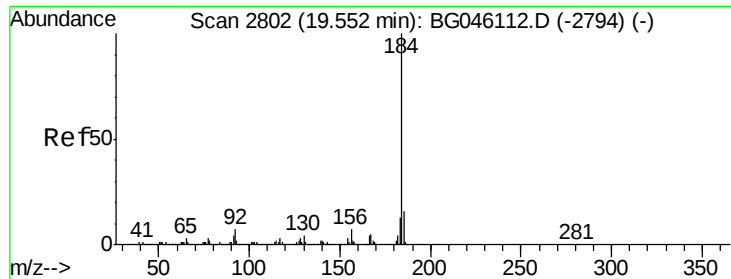
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 19.982 ng

RT: 19.55 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

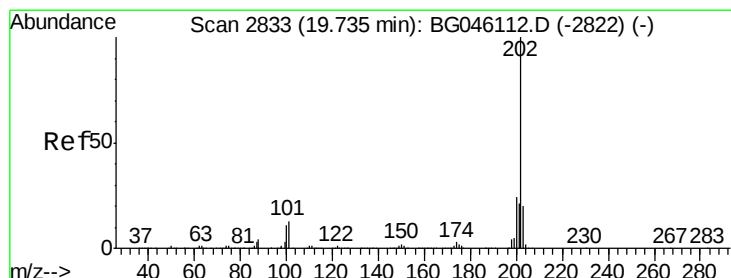
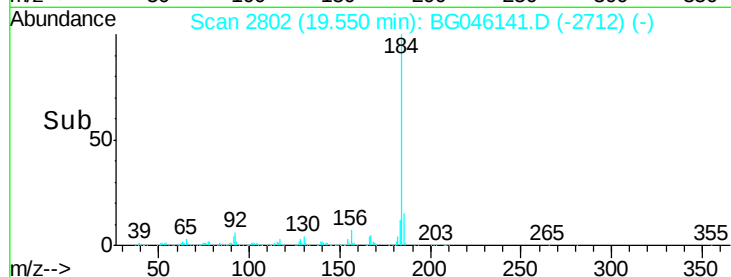
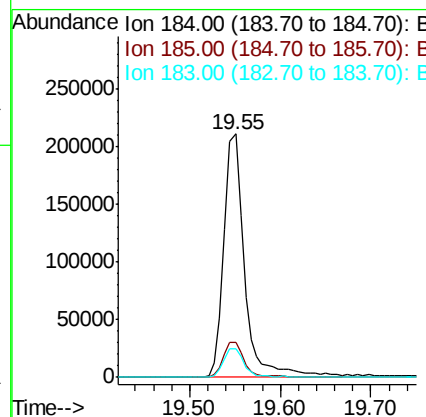
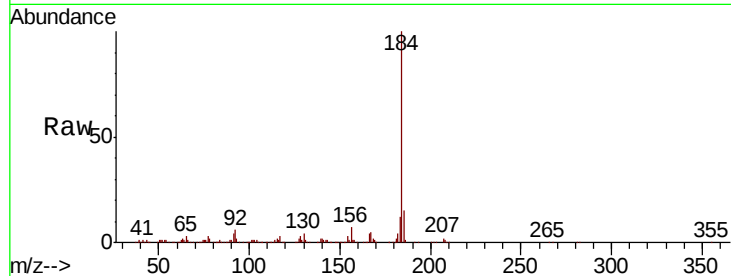
ClientSampleId :

SU-01-073020MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 336349 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.6  | 13.0  | 19.4   |
| 183       | 11.8  | 10.5  | 15.7   |

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#78

Pyrene

Concen: 42.962 ng

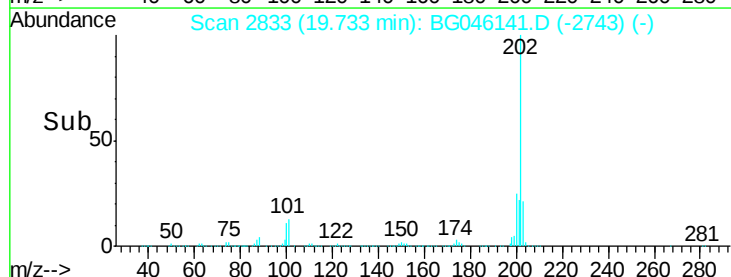
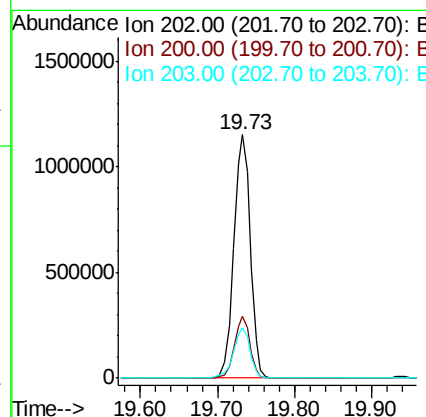
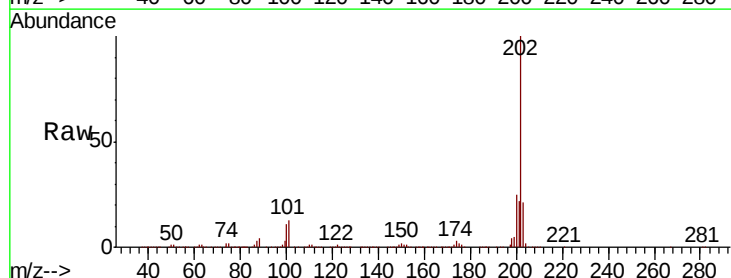
RT: 19.73 min Scan# 2833

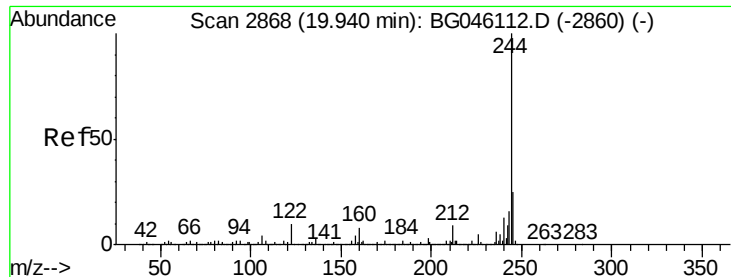
Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1715401 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 25.4  | 19.5  | 29.3    |
| 203       | 20.7  | 16.2  | 24.2    |





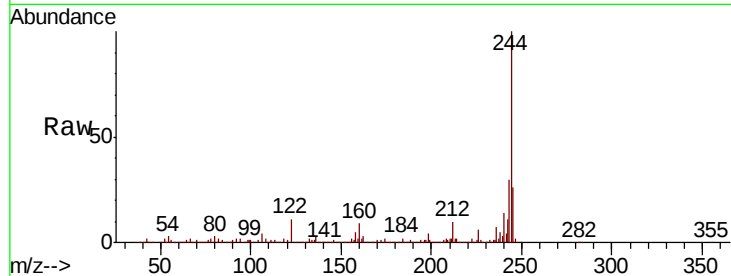
#79  
Terphenyl-d14  
Concen: 72.361 ng  
RT: 19.94 min Scan# 2868  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

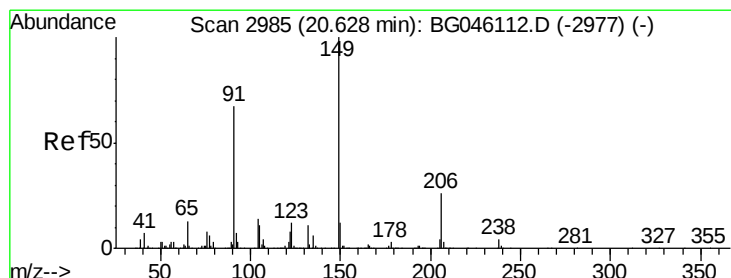
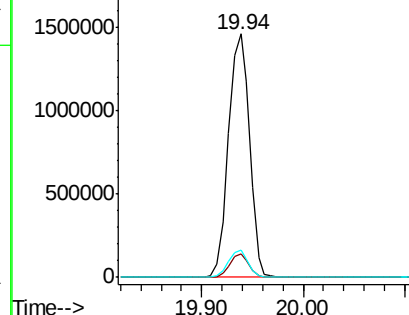
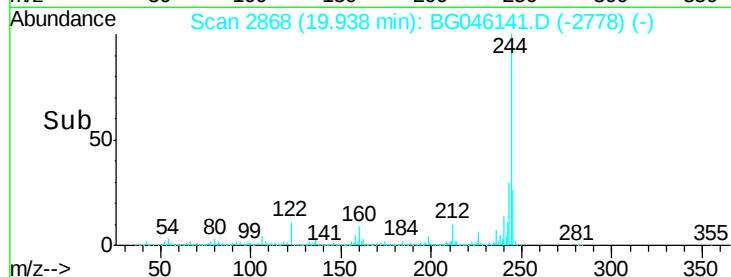
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.6   | 7.2   | 10.8  |
| 122     | 11.0  | 8.3   | 12.5  |

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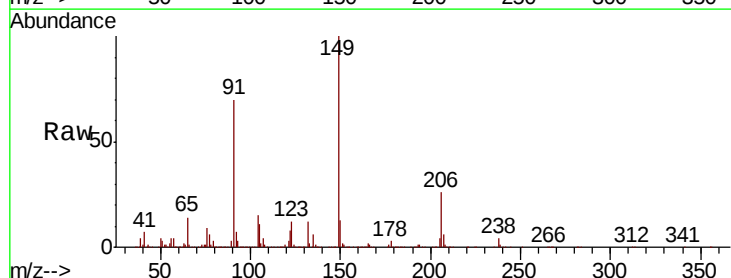


Abundance Ion 244.00 (243.70 to 244.70): E  
2000000 Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E

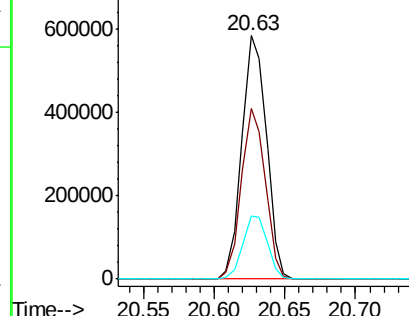
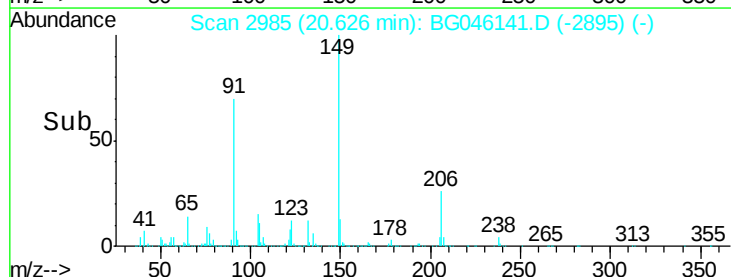


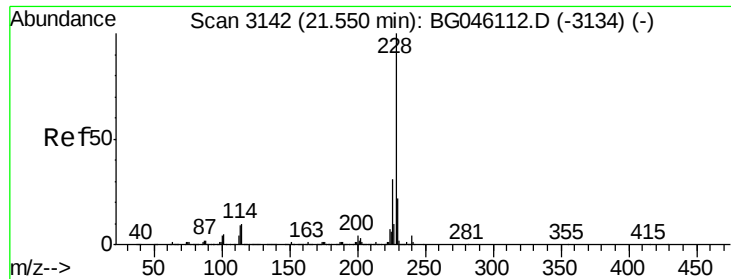
#80  
Butylbenzylphthalate  
Concen: 49.395 ng  
RT: 20.63 min Scan# 2985  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.2  | 53.8  | 80.8  |
| 206     | 25.7  | 20.4  | 30.6  |



Abundance Ion 149.00 (148.70 to 149.70): E  
800000 Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.140 ng

RT: 21.55 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

ClientSampleId :

SU-01-073020MSD

Tot Ion:228 Resp: 1715608

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

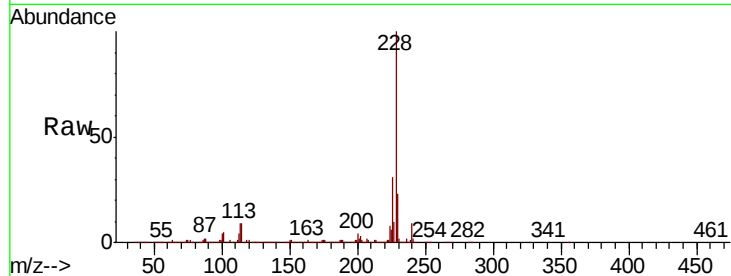
229 22.8 17.8 26.8

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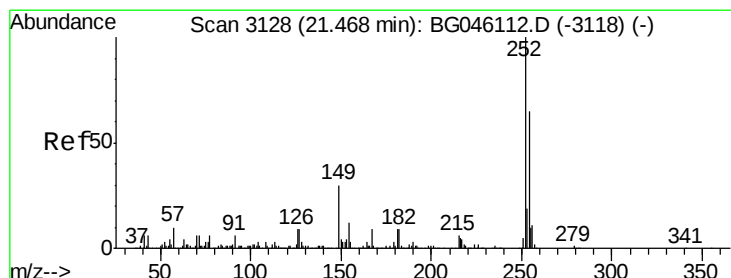
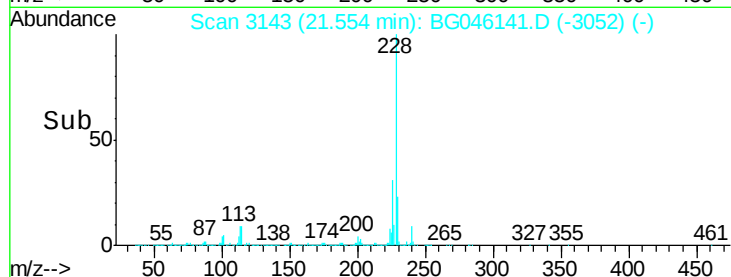
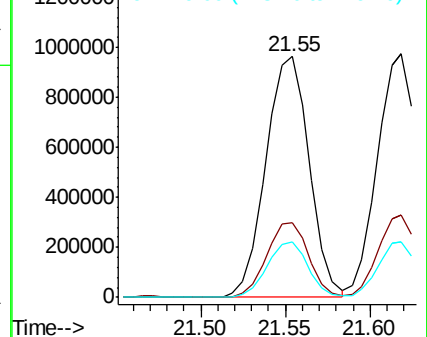


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.080 ng

RT: 21.47 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

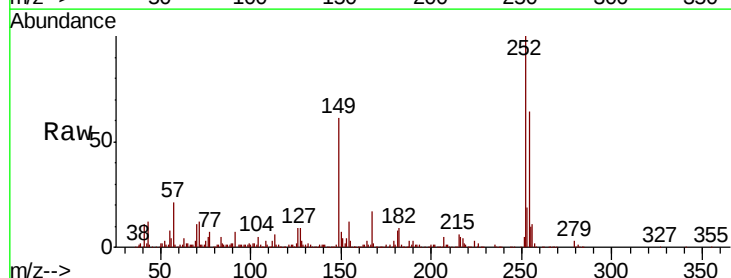
Tgt Ion:252 Resp: 447198

Ion Ratio Lower Upper

252 100

254 64.4 51.8 77.8

126 8.7 7.1 10.7

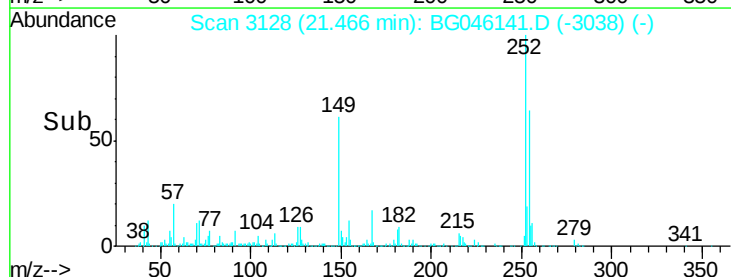
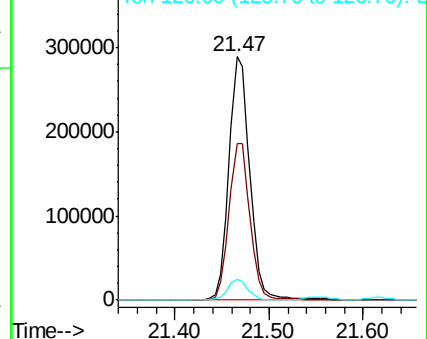


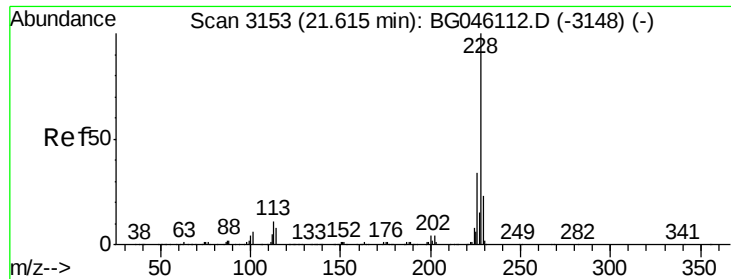
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





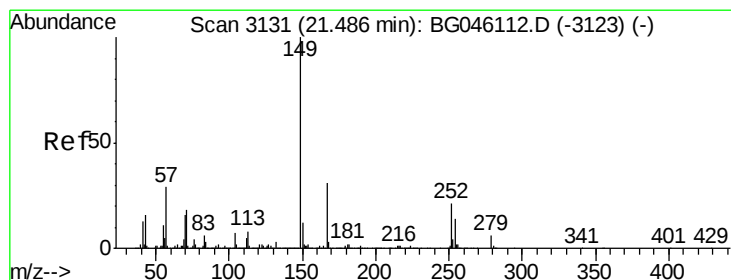
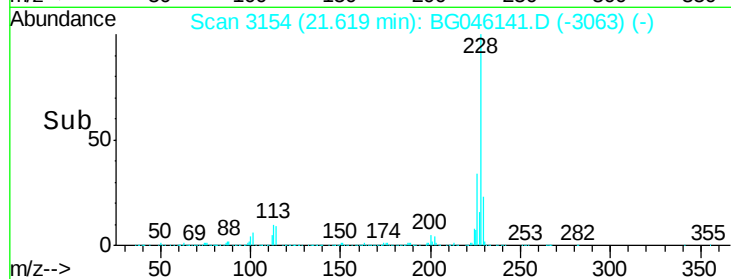
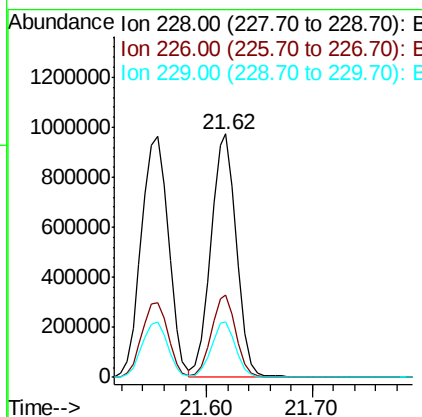
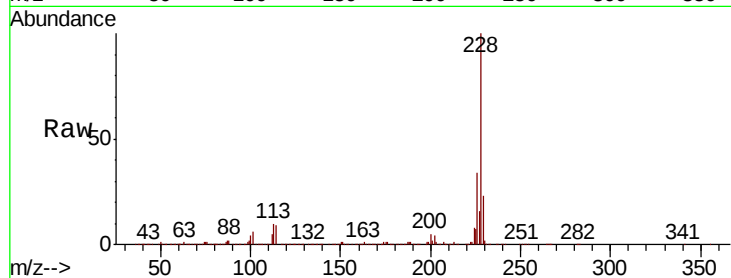
#83  
Chrysene  
Concen: 42.025 ng  
RT: 21.62 min Scan# 3154  
Delta R.T. 0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

Tot Ion: 228 Resp: 1637138  
Ion Ratio Lower Upper  
228 100  
226 34.1 26.9 40.3  
229 22.8 18.2 27.4

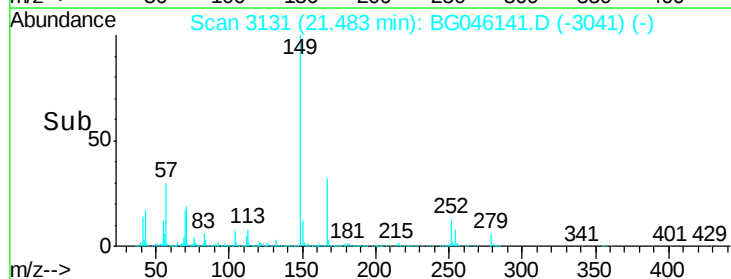
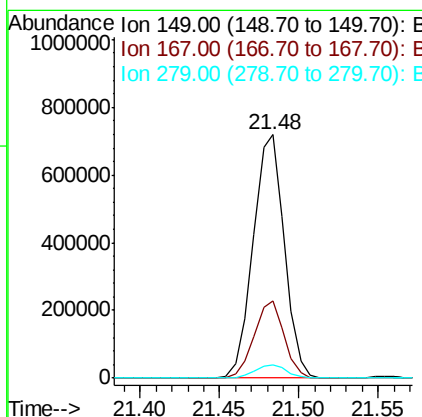
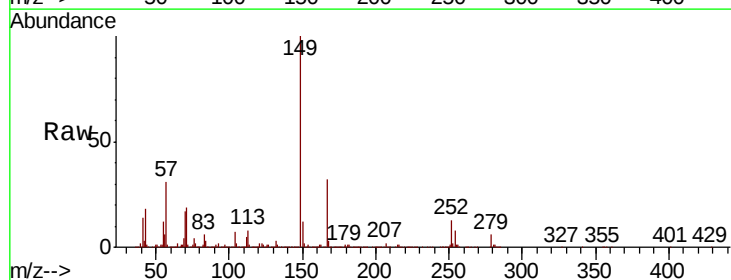
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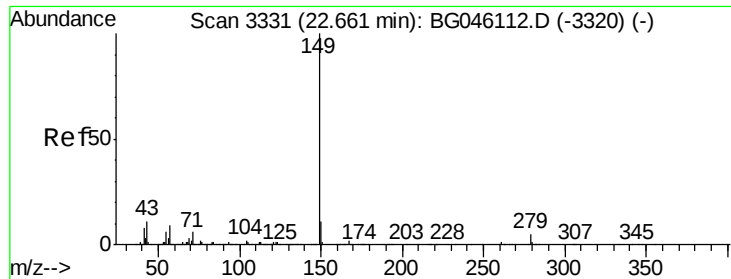
mohammad  
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 47.533 ng  
RT: 21.48 min Scan# 3131  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Tgt Ion: 149 Resp: 982904  
Ion Ratio Lower Upper  
149 100  
167 31.8 24.8 37.2  
279 5.7 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 47.929 ng

RT: 22.66 min Scan# 3331

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

Instrument :

BNA\_G

ClientSampleId :

SU-01-073020MSD

Tot Ion:149 Resp: 1678100

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.2

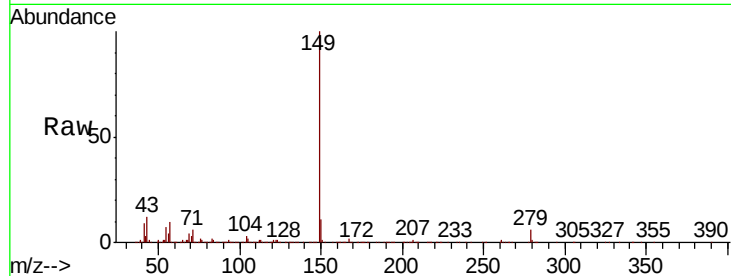
43 10.8 7.8 11.8

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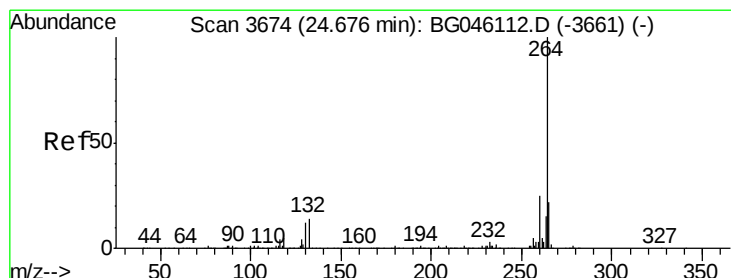
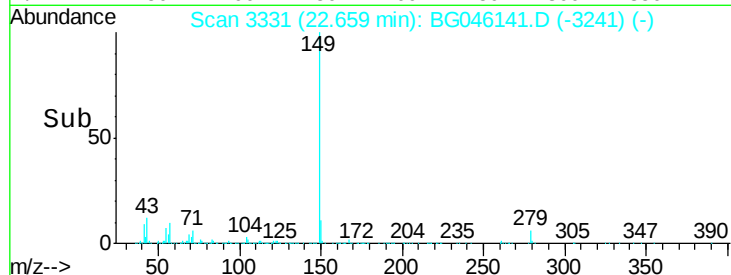
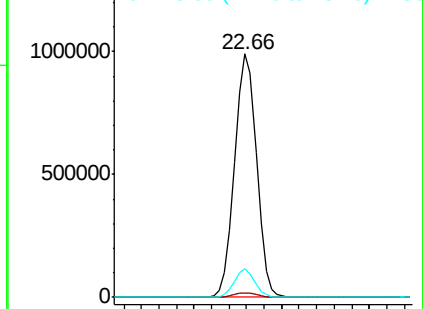
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG046141.D

Acq: 1 Aug 2020 2:54

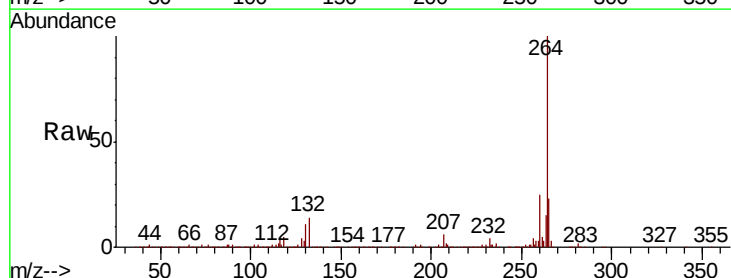
Tgt Ion:264 Resp: 629745

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

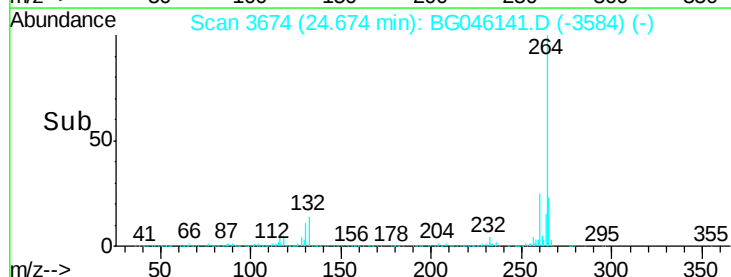
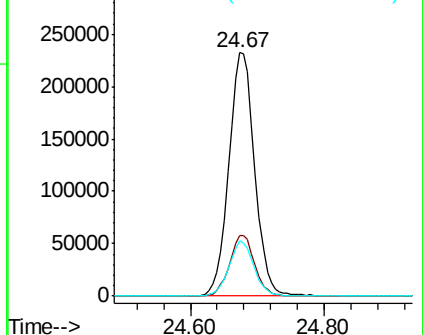
265 23.0 17.6 26.4

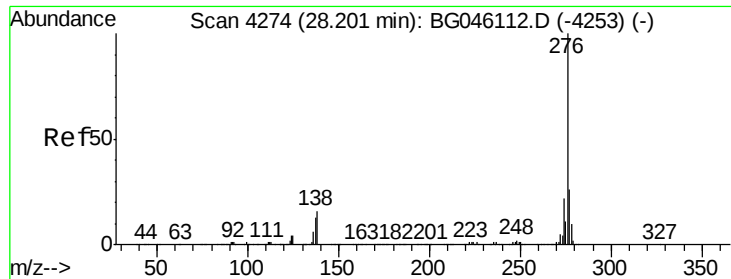


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





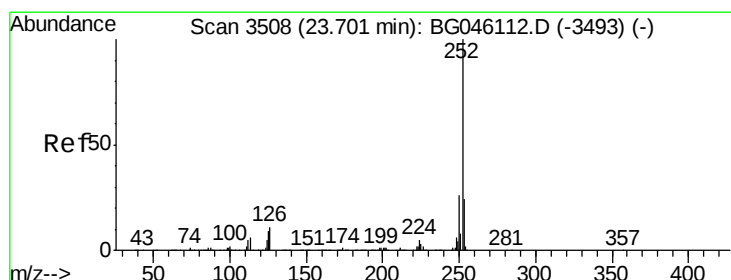
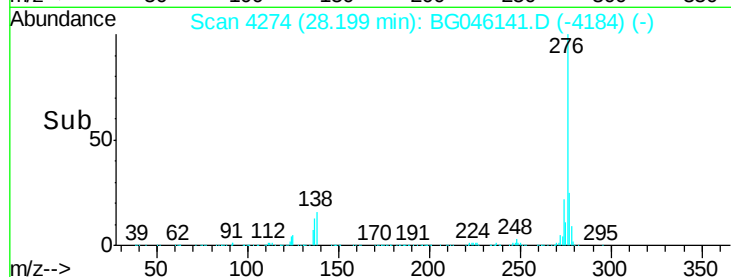
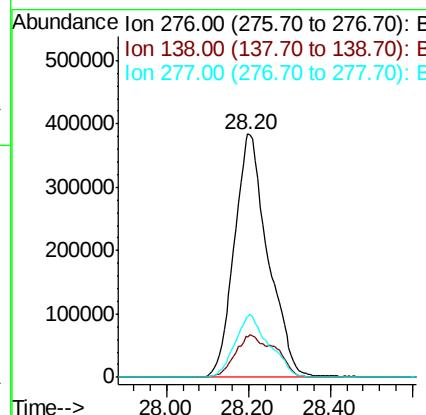
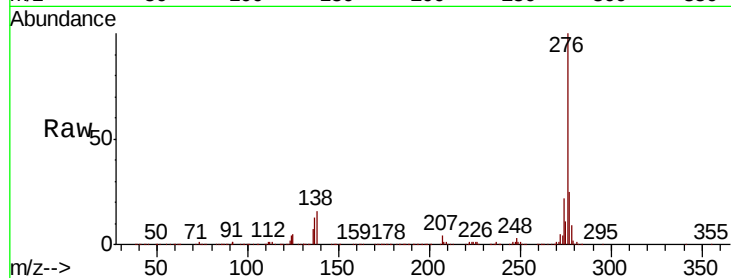
#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 45.728 ng  
 RT: 28.20 min Scan# 4274  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 14.6  | 11.6  | 17.4  |
| 277     | 26.1  | 20.8  | 31.2  |

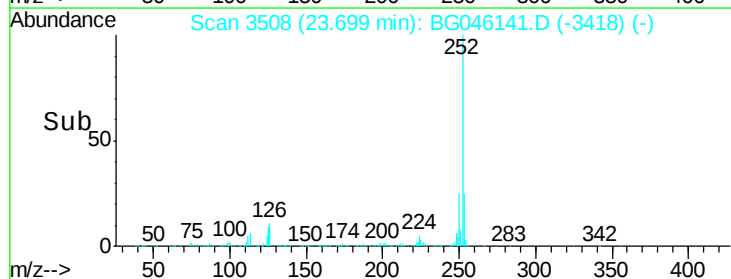
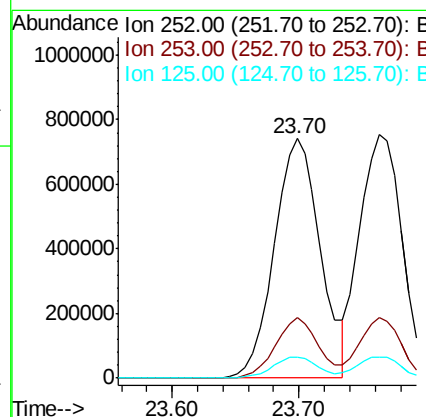
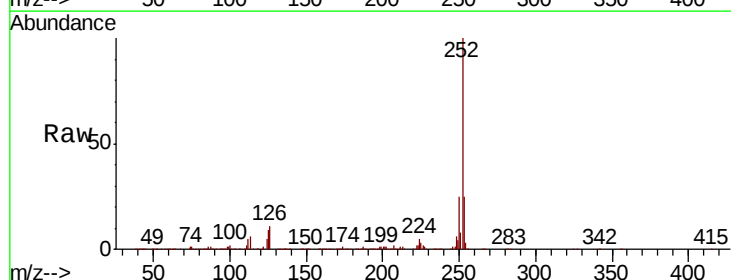
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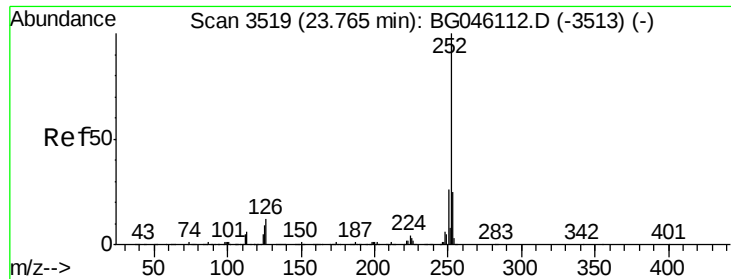
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#88  
 Benzo(b)fluoranthene  
 Concen: 44.329 ng  
 RT: 23.70 min Scan# 3508  
 Delta R.T. -0.00 min  
 Lab File: BG046141.D  
 Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 19.2  | 28.8  |
| 125     | 8.9   | 7.2   | 10.8  |





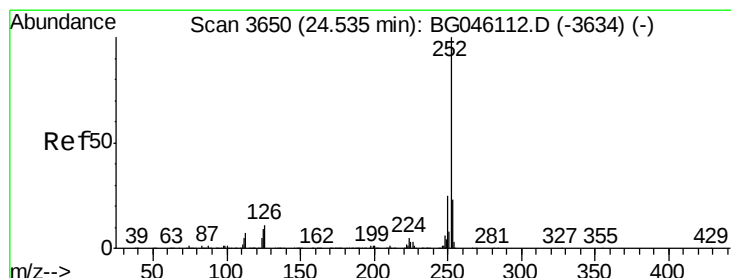
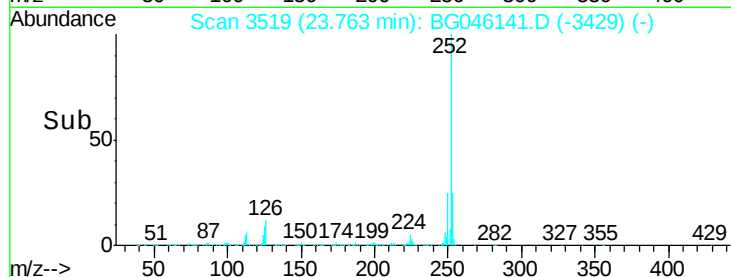
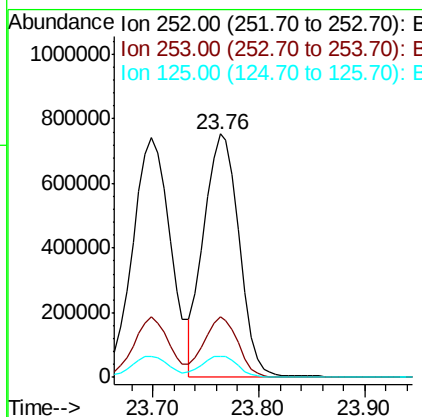
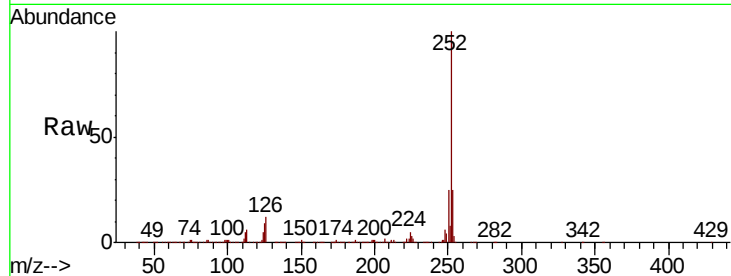
#89  
Benzo(k)fluoranthene  
Concen: 42.246 ng  
RT: 23.76 min Scan# 3519  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.1  | 19.5  | 29.3  |
| 125     | 8.8   | 7.3   | 10.9  |

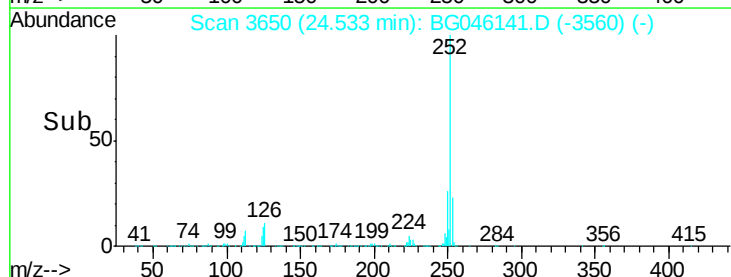
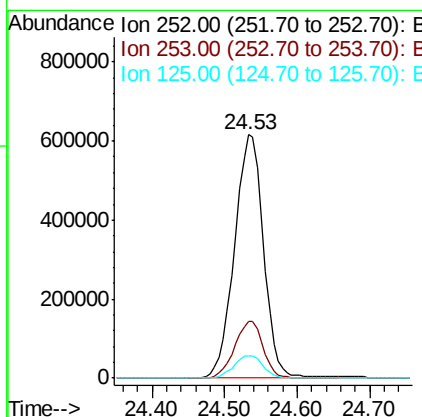
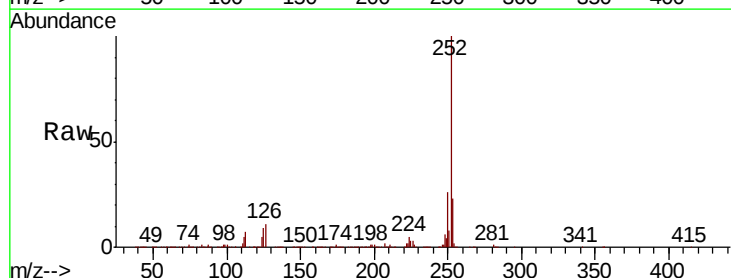
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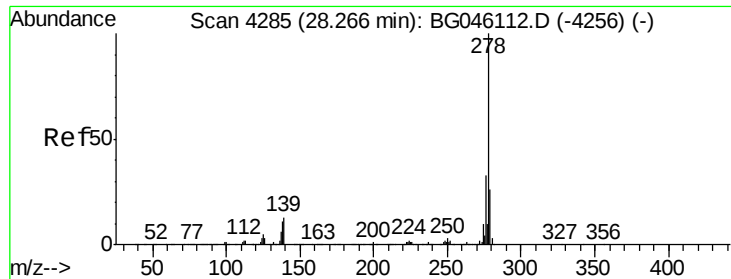
mohammad  
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#90  
Benzo(a)pyrene  
Concen: 43.378 ng  
RT: 24.53 min Scan# 3650  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 18.6  | 27.8  |
| 125     | 9.1   | 7.1   | 10.7  |





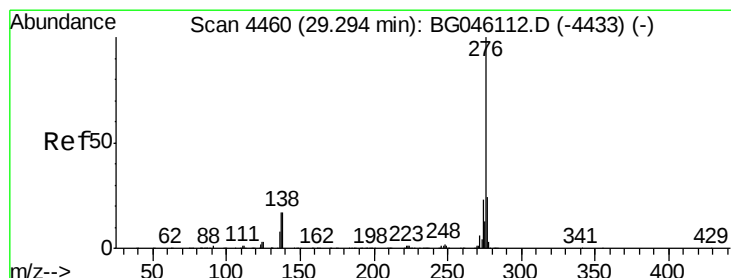
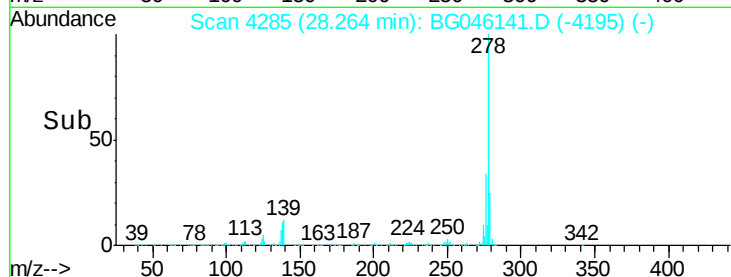
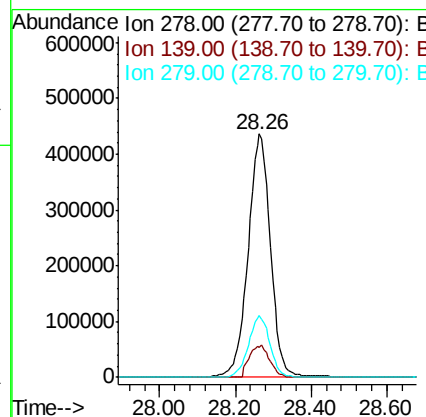
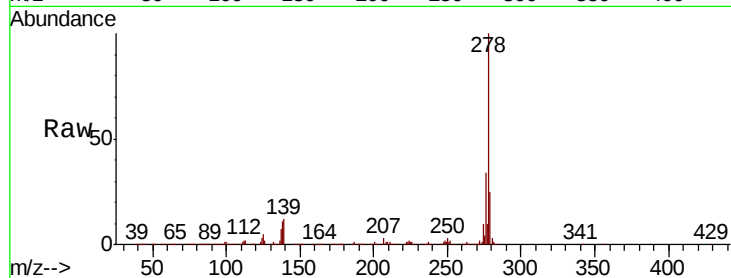
#91  
Dibenzo(a,h)anthracene  
Concen: 44.611 ng  
RT: 28.26 min Scan# 4285  
Delta R.T. -0.00 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

Instrument :  
BNA\_G  
ClientSampleId :  
SU-01-073020MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.5  | 10.8  | 16.2  |
| 279     | 25.2  | 20.5  | 30.7  |

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 45.461 ng  
RT: 29.30 min Scan# 4462  
Delta R.T. 0.01 min  
Lab File: BG046141.D  
Acq: 1 Aug 2020 2:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.5  | 19.5  | 29.3  |
| 138     | 17.8  | 13.8  | 20.6  |

