

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\  
 Data File : BG046490.D  
 Acq On : 1 Sep 2020 18:47  
 Operator : CG/JU  
 Sample : L3508-28MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

Manual Integrations  
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Quant Time: Sep 02 00:57:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 31 16:05:33 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 63420    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.73 | 136  | 264154   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.56 | 164  | 200895   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.31 | 188  | 520125   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.55 | 240  | 515546   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.66 | 264  | 538562   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.52  | 112 | 459608  | 128.36 | ng | 0.00 |
| 7) Phenol-d6                | 7.11  | 99  | 585805  | 115.41 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.09  | 82  | 436105  | 94.36  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.05 | 330 | 387896  | 142.50 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.19 | 172 | 1184662 | 90.02  | ng | 0.00 |
| 79) Terphenyl-d14           | 19.92 | 244 | 2055615 | 84.86  | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.43  | 88  | 53788  | 36.107 | ng | # 37 |
| 3) Pyridine                    | 3.82  | 79  | 127295 | 29.206 | ng | 98   |
| 4) n-Nitrosodimethylamine      | 3.73  | 42  | 77163  | 48.001 | ng | 99   |
| 6) Aniline                     | 7.26  | 93  | 212631 | 37.226 | ng | 99   |
| 8) 2-Chlorophenol              | 7.50  | 128 | 207618 | 54.861 | ng | 99   |
| 9) Benzaldehyde                | 7.07  | 77  | 101218 | 35.592 | ng | 95   |
| 10) Phenol                     | 7.14  | 94  | 227682 | 48.700 | ng | 99   |
| 11) bis(2-Chloroethyl)ether    | 7.35  | 93  | 185451 | 49.349 | ng | 100  |
| 12) 1,3-Dichlorobenzene        | 7.82  | 146 | 201329 | 41.902 | ng | 100  |
| 13) 1,4-Dichlorobenzene        | 7.96  | 146 | 203824 | 42.373 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 8.29  | 146 | 203388 | 44.097 | ng | 98   |
| 15) Benzyl Alcohol             | 8.17  | 79  | 192018 | 58.922 | ng | 99   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.46  | 45  | 277751 | 47.649 | ng | 99   |
| 17) 2-Methylphenol             | 8.38  | 107 | 187380 | 56.514 | ng | 99   |
| 18) Hexachloroethane           | 9.02  | 117 | 68798  | 42.183 | ng | 93   |
| 19) n-Nitroso-di-n-propylamine | 8.74  | 70  | 160914 | 52.998 | ng | 98   |
| 20) 3+4-Methylphenols          | 8.71  | 107 | 257681 | 56.306 | ng | 98   |
| 22) Acetophenone               | 8.75  | 105 | 314800 | 48.958 | ng | 100  |
| 24) Nitrobenzene               | 9.13  | 77  | 226697 | 49.649 | ng | 98   |
| 25) Isophorone                 | 9.66  | 82  | 472570 | 55.772 | ng | 98   |
| 26) 2-Nitrophenol              | 9.84  | 139 | 129107 | 53.593 | ng | 98   |
| 27) 2,4-Dimethylphenol         | 9.91  | 122 | 216469 | 65.332 | ng | 99   |
| 28) bis(2-Chloroethoxy)methane | 10.14 | 93  | 274279 | 50.291 | ng | 99   |
| 29) 2,4-Dichlorophenol         | 10.38 | 162 | 247384 | 56.007 | ng | 99   |
| 30) 1,2,4-Trichlorobenzene     | 10.60 | 180 | 228584 | 43.616 | ng | 97   |
| 31) Naphthalene                | 10.78 | 128 | 615937 | 47.756 | ng | 99   |
| 32) Benzoic acid               | 10.04 | 122 | 64927  | 30.878 | ng | 94   |
| 33) 4-Chloroaniline            | 10.89 | 127 | 93818  | 16.496 | ng | 95   |
| 34) Hexachlorobutadiene        | 11.07 | 225 | 136994 | 40.268 | ng | 99   |
| 35) Caprolactam                | 11.66 | 113 | 85075m | 51.527 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 12.02 | 107 | 266352 | 61.654 | ng | 93   |
| 37) 2-Methylnaphthalene        | 12.39 | 142 | 519876 | 51.108 | ng | 100  |
| 38) 1-Methylnaphthalene        | 12.61 | 142 | 502811 | 52.184 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 311594 | 47.035 | ng | 99   |

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Manual Integrations  
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Quant Time: Sep 02 00:57:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 31 16:05:33 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.75 | 237  | 318738   | 110.650 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.00 | 196  | 243099   | 54.377  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.08 | 196  | 268459   | 57.154  | nq    | 100      |
| 46) 1,1'-Biphenyl              | 13.40 | 154  | 714257   | 51.102  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.44 | 162  | 561651   | 47.394  | nq    | 99       |
| 48) 2-Nitroaniline             | 13.64 | 65   | 181311   | 55.098  | nq    | 98       |
| 49) Acenaphthylene             | 14.29 | 152  | 943117   | 52.464  | nq    | 100      |
| 50) Dimethylphthalate          | 14.02 | 163  | 835911   | 53.783  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.13 | 165  | 193099   | 56.362  | nq    | 99       |
| 52) Acenaphthene               | 14.63 | 154  | 570104   | 51.178  | nq    | 98       |
| 53) 3-Nitroaniline             | 14.46 | 138  | 127763   | 34.427  | nq    | 99       |
| 54) 2,4-Dinitrophenol          | 14.67 | 184  | 213229   | 106.625 | nq    | 97       |
| 55) Dibenzofuran               | 14.96 | 168  | 936467   | 52.383  | nq    | 98       |
| 56) 4-Nitrophenol              | 14.79 | 139  | 301405   | 110.355 | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.93 | 165  | 282069   | 57.740  | nq    | 98       |
| 58) Fluorene                   | 15.61 | 166  | 791612   | 52.758  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.20 | 232  | 268411   | 58.846  | nq    | 98       |
| 60) Diethylphthalate           | 15.38 | 149  | 829984   | 54.772  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.60 | 204  | 435972   | 52.758  | nq    | 97       |
| 62) 4-Nitroaniline             | 15.63 | 138  | 202124   | 51.618  | nq    | 96       |
| 63) Azobenzene                 | 15.90 | 77   | 683699   | 55.466  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.70 | 198  | 176050   | 59.801  | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.82 | 169  | 746464   | 53.198  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.50 | 248  | 316961   | 52.233  | nq    | 97       |
| 68) Hexachlorobenzene          | 16.62 | 284  | 335433   | 49.912  | nq    | 98       |
| 69) Atrazine                   | 16.77 | 200  | 289641   | 50.598  | nq    | 99       |
| 70) Pentachlorophenol          | 16.97 | 266  | 407499   | 116.055 | nq    | 99       |
| 71) Phenanthrene               | 17.35 | 178  | 1349537  | 51.189  | nq    | 99       |
| 72) Anthracene                 | 17.44 | 178  | 1380922  | 53.090  | nq    | 98       |
| 73) Carbazole                  | 17.71 | 167  | 1284857  | 52.318  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.28 | 149  | 1430718  | 50.663  | nq    | 98       |
| 75) Fluoranthene               | 19.36 | 202  | 1671517  | 49.268  | nq    | 98       |
| 77) Benzidine                  | 19.54 | 184  | 107680   | 8.989   | nq    | 98       |
| 78) Pyrene                     | 19.72 | 202  | 1679680  | 51.164  | nq    | 98       |
| 80) Butylbenzylphthalate       | 20.61 | 149  | 662133   | 51.708  | nq    | 96       |
| 81) Benzo(a)anthracene         | 21.54 | 228  | 1635466  | 50.895  | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.45 | 252  | 468446   | 39.283  | nq    | 98       |
| 83) Chrysene                   | 21.60 | 228  | 1560128  | 50.473  | nq    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.45 | 149  | 914046   | 52.306  | nq    | 100      |
| 85) Di-n-octyl phthalate       | 22.62 | 149  | 1590898  | 53.168  | nq    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 28.18 | 276  | 1996111  | 51.605  | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 23.68 | 252  | 1669617  | 49.649  | nq    | 97       |
| 89) Benzo(k)fluoranthene       | 23.75 | 252  | 1655202  | 50.929  | nq    | 97       |
| 90) Benzo(a)pyrene             | 24.52 | 252  | 1558058  | 49.647  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.24 | 278  | 1652326  | 52.935  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 29.29 | 276  | 1683901  | 54.023  | nq    | 98       |

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

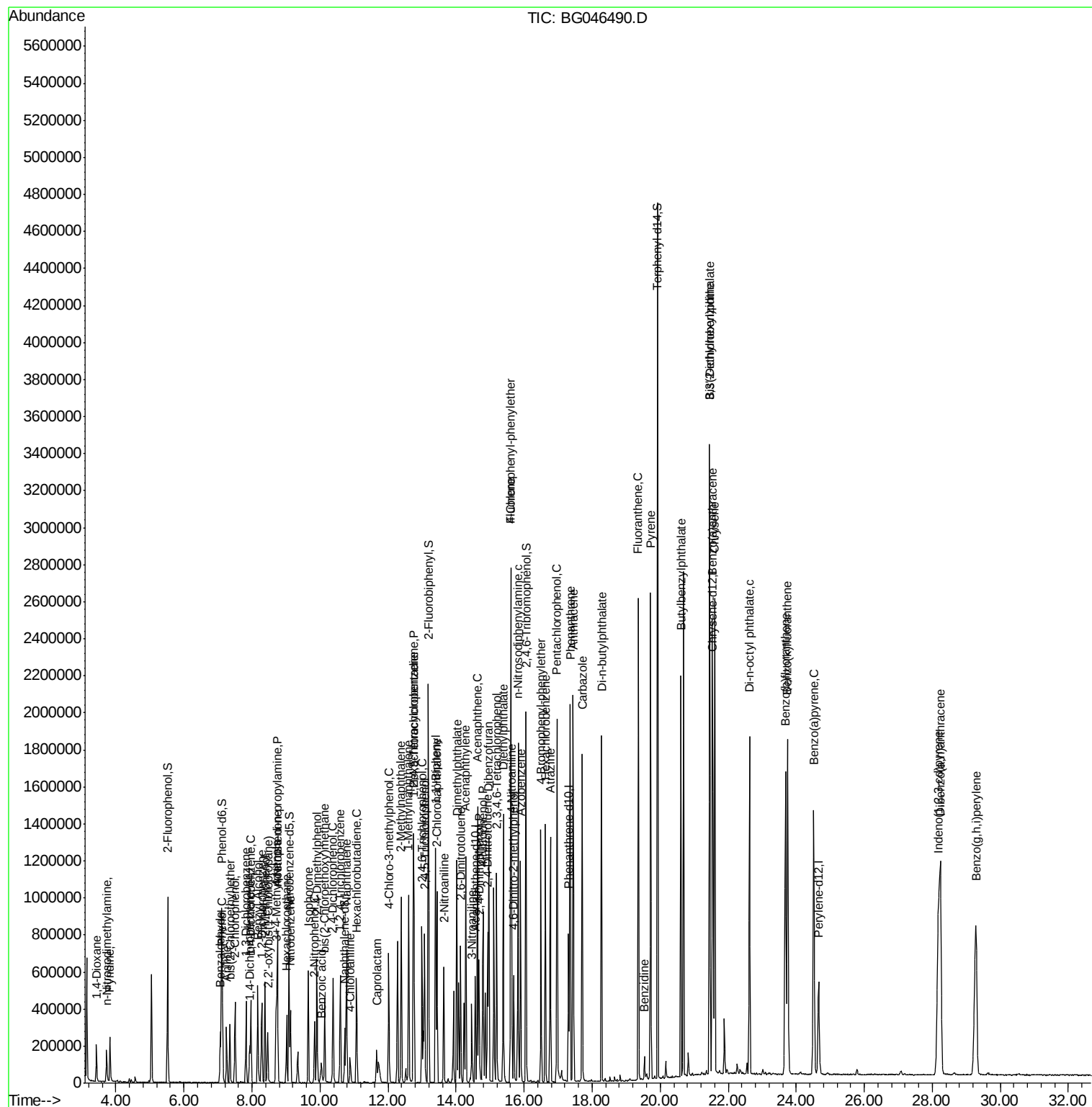
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\  
Data File : BG046490.D  
Acq On : 1 Sep 2020 18:47  
Operator : CG/JU  
Sample : L3508-28MSD  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

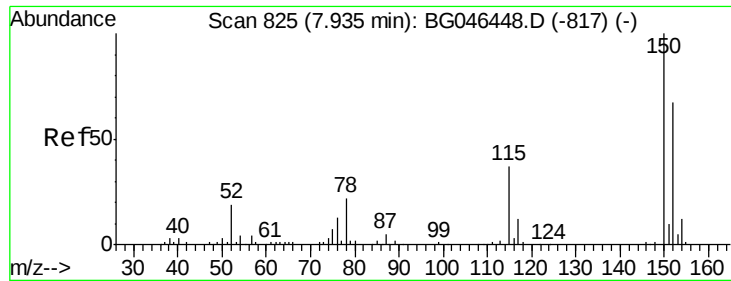
Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

Manual Integrations  
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Quant Time: Sep 02 00:57:37 2020  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 31 16:05:33 2020  
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#1

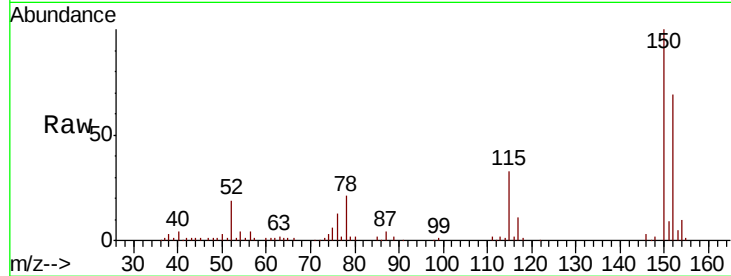
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

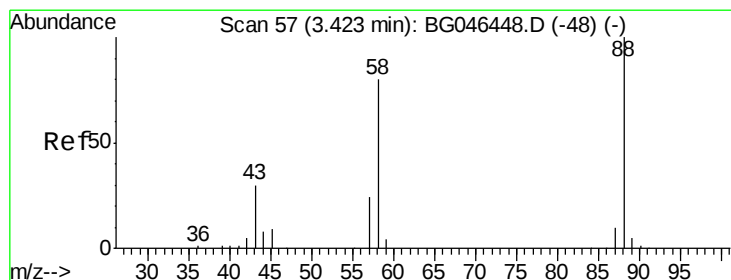
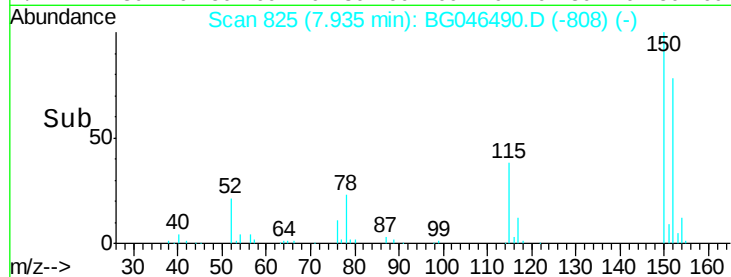
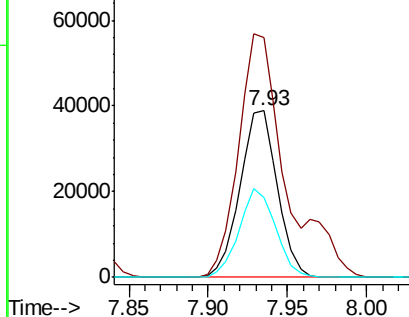
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.1 | 119.5 | 179.3 |
| 115     | 48.2  | 44.3  | 66.5  |

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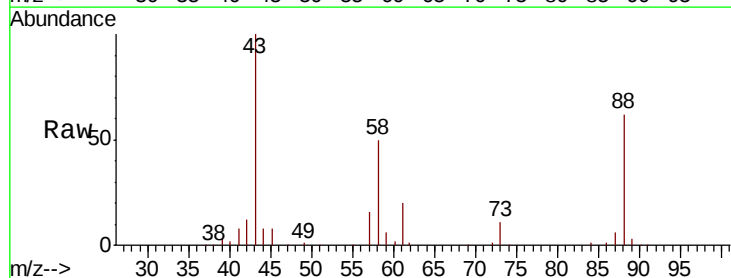
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



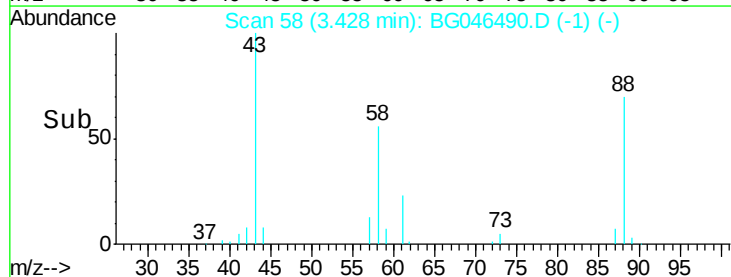
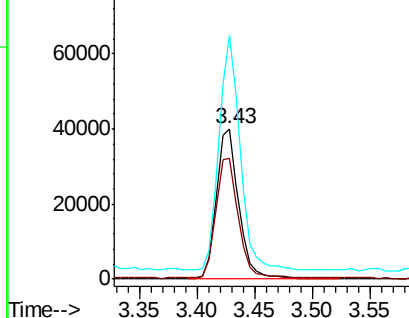
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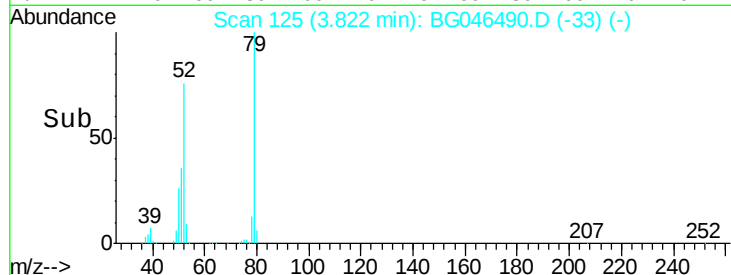
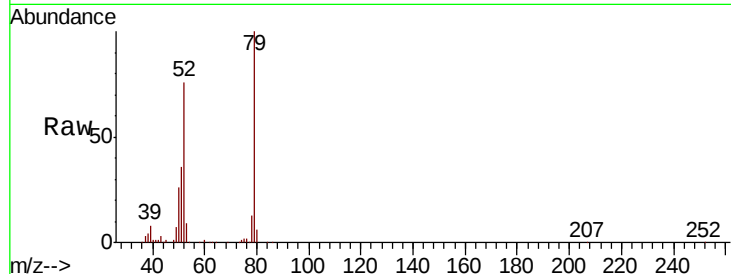
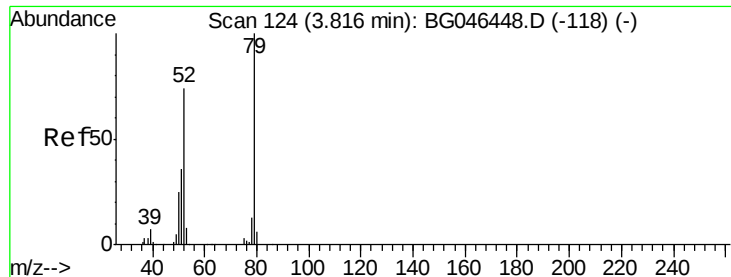
1,4-Dioxane  
Concen: 36.107 ng  
RT: 3.43 min Scan# 58  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.3  | 61.4  | 92.2  |
| 43      | 147.5 | 21.6  | 32.4# |



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





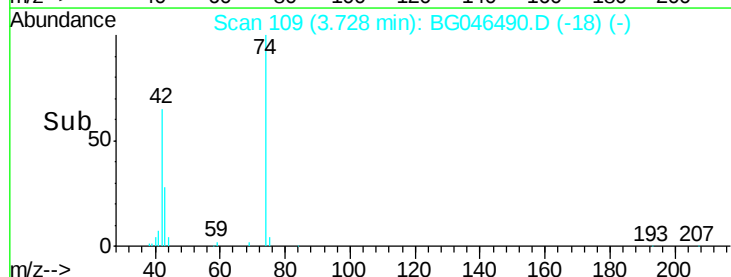
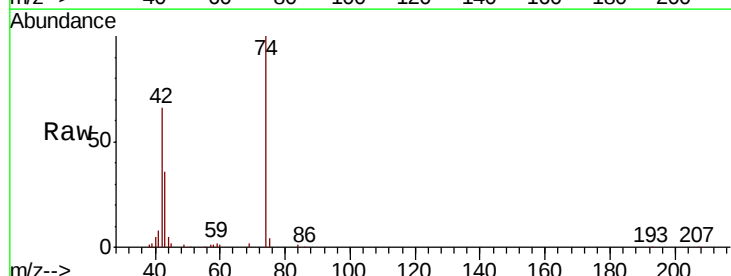
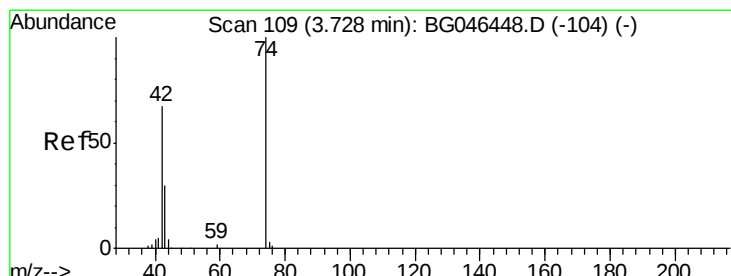
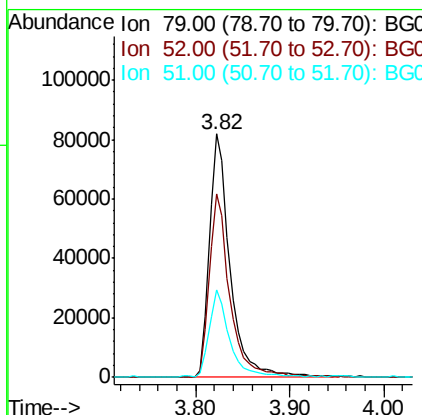
#3  
 Pvridine  
 Concen: 29.206 ng  
 RT: 3.82 min Scan# 125  
 Delta R.T. 0.01 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 75.5  | 59.1  | 88.7  |
| 51      | 35.8  | 29.0  | 43.6  |

Instrument :  
 BNA\_G  
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 TR-08-082820MSD

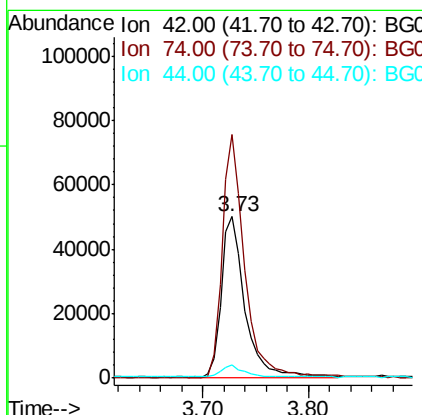
Manual Integrations  
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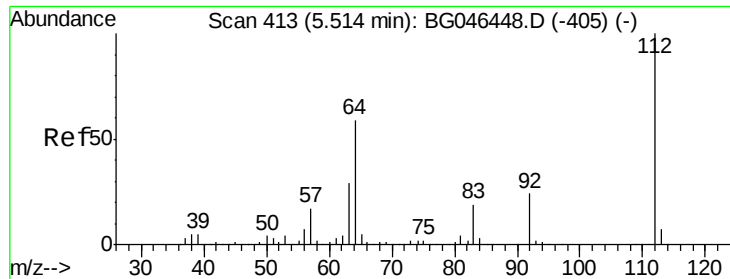
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#4  
 n-Nitrosodimethylamine  
 Concen: 48.001 ng  
 RT: 3.73 min Scan# 109  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 150.8 | 119.5 | 179.3 |
| 44      | 7.8   | 5.7   | 8.5   |





#5

2-Fluorophenol

Concen: 128.359 ng

RT: 5.52 min Scan# 414

Delta R.T. 0.01 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

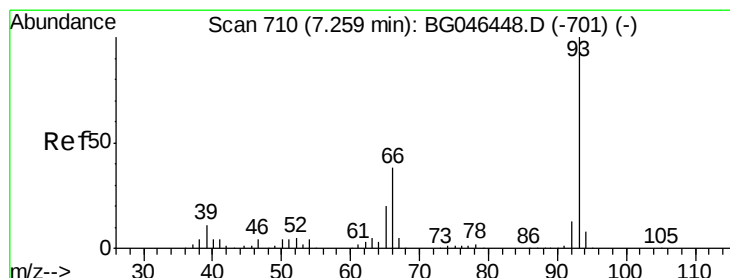
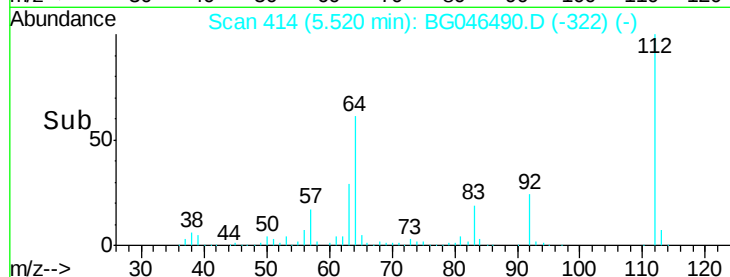
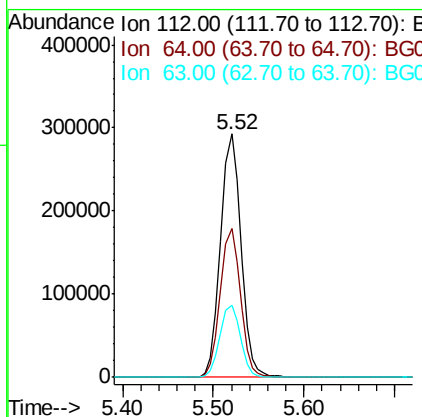
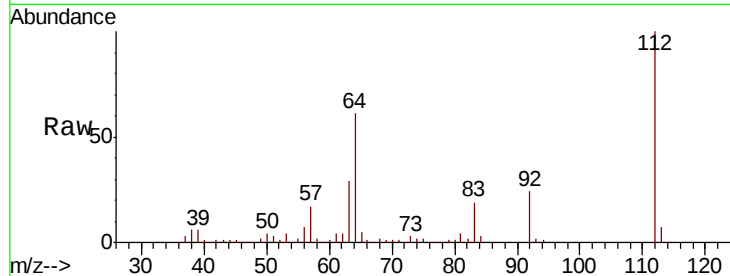
ClientSampleId :

TR-08-082820MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 459608 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 61.2  | 47.0  | 70.6   |
| 63        | 29.5  | 23.5  | 35.3   |

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#6

Aniline

Concen: 37.226 ng

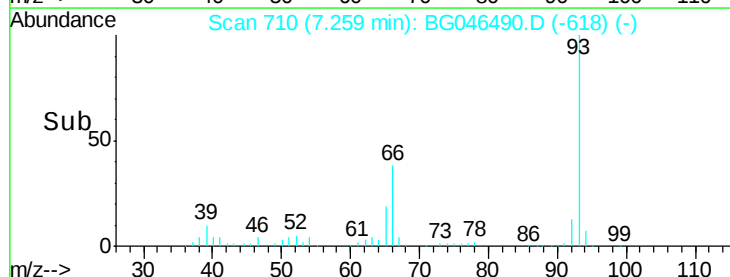
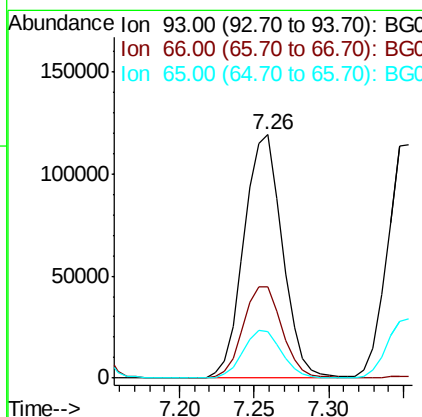
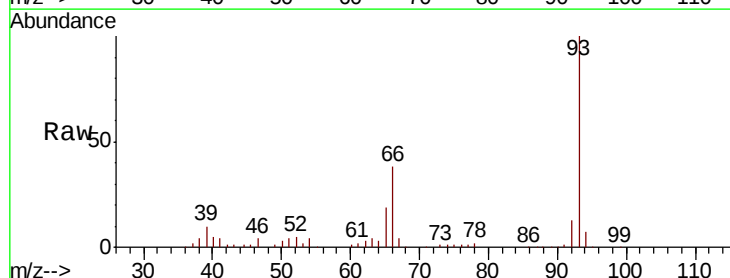
RT: 7.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 212631 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 37.6  | 30.4  | 45.6   |
| 65        | 19.2  | 15.8  | 23.6   |





#7

Phenol-d6

Concen: 115.408 ng

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

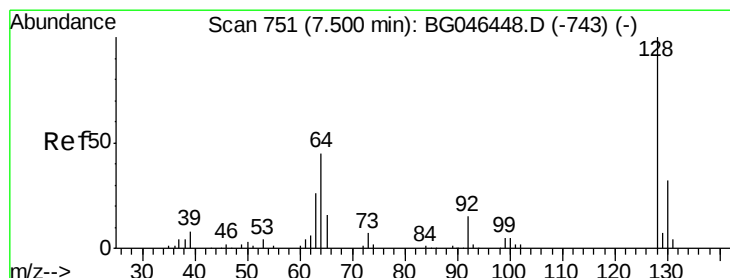
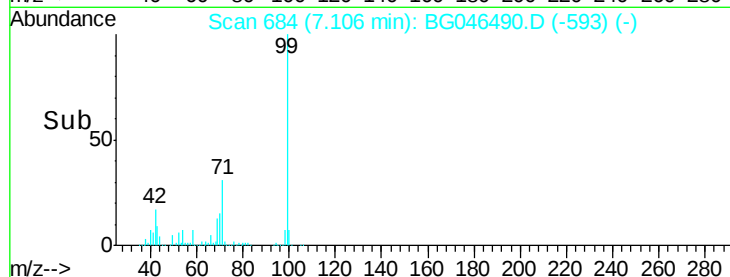
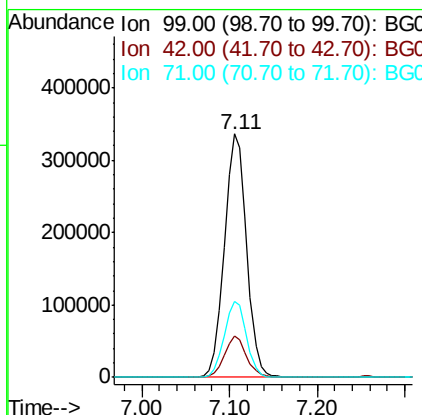
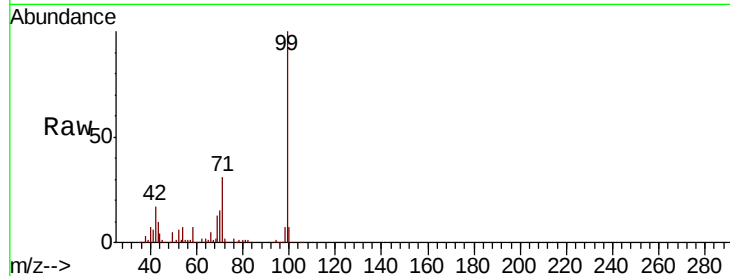
ClientSampleId :

TR-08-082820MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 585805 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.7  | 13.3  | 19.9   |
| 71        | 31.4  | 25.3  | 37.9   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 54.861 ng

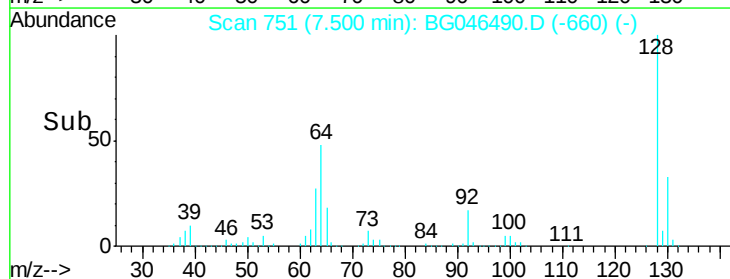
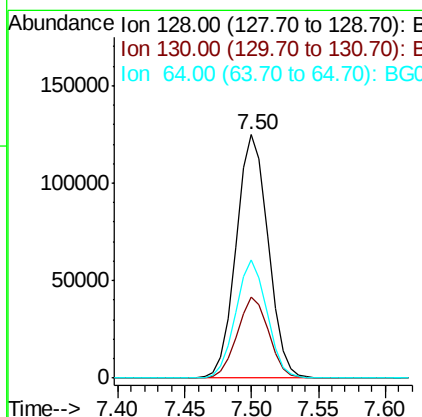
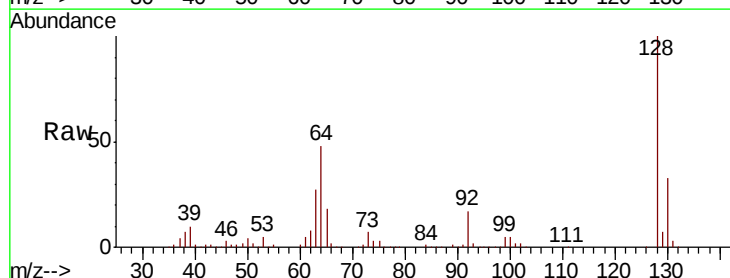
RT: 7.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 207618 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.1  | 12.4  | 52.4   |
| 64        | 48.4  | 28.1  | 68.1   |





#9

Benzaldehyde

Concen: 35.592 ng

RT: 7.07 min Scan# 677

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

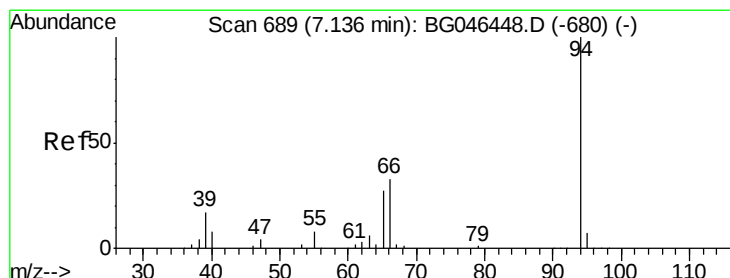
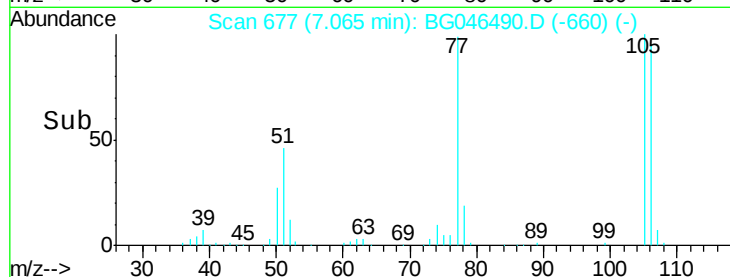
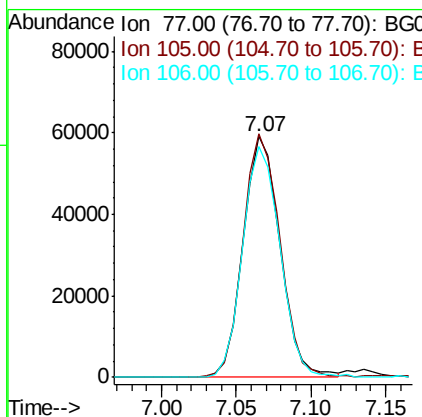
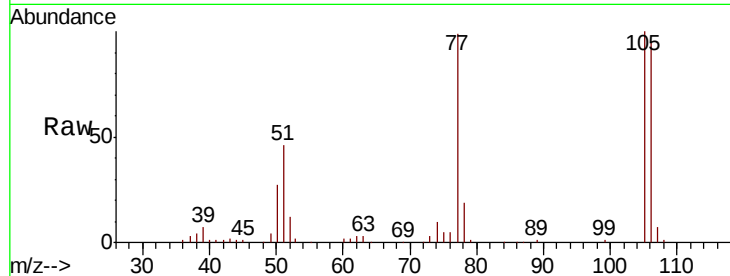
ClientSampleId :

TR-08-082820MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 101218 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 101.1 | 85.6  | 125.6  |
| 106      | 95.7  | 80.8  | 120.8  |

Manual Integrations  
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#10

Phenol

Concen: 48.700 ng

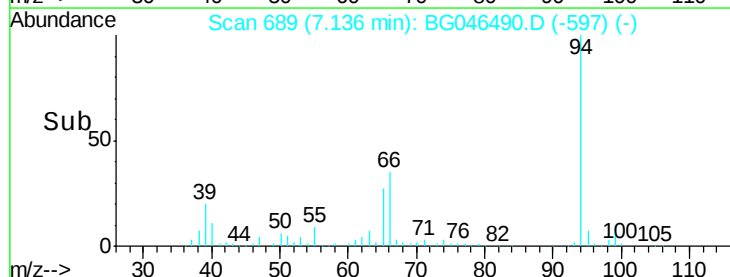
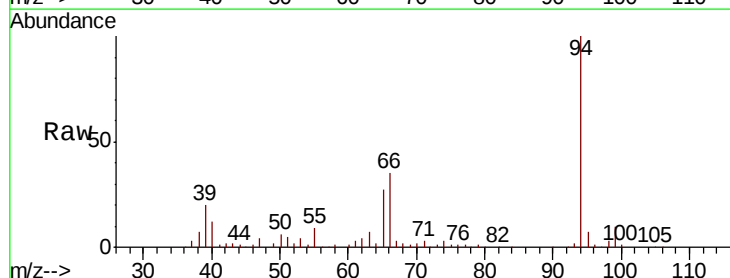
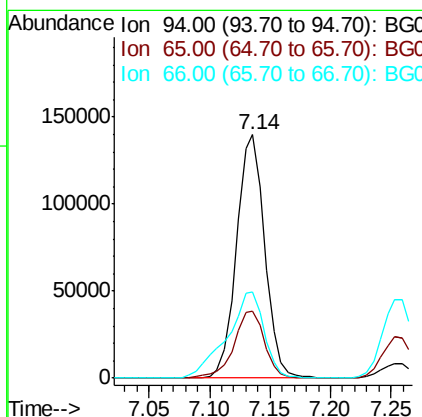
RT: 7.14 min Scan# 689

Delta R.T. 0.01 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 227682 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.3  | 7.5   | 47.5   |
| 66       | 35.2  | 14.1  | 54.1   |





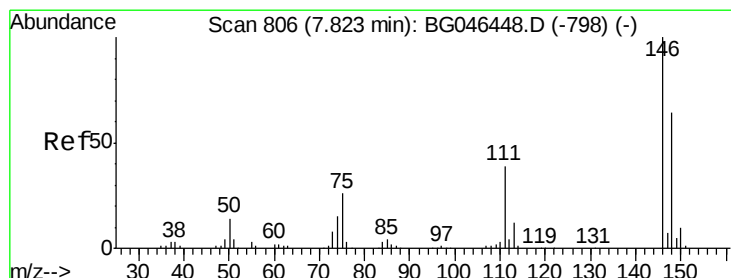
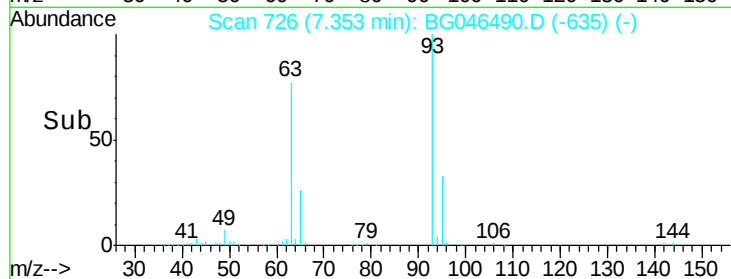
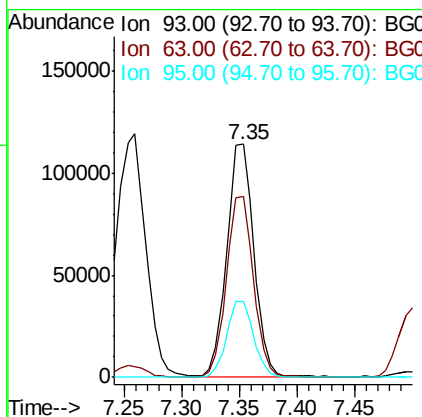
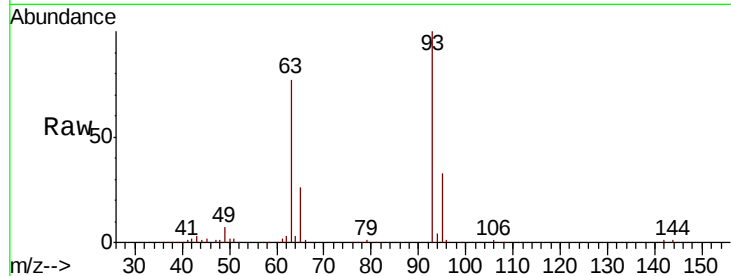
#11  
bis(2-Chloroethyl)ether  
Concen: 49.349 ng  
RT: 7.35 min Scan# 726  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 185451 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 77.5  | 57.7  | 97.7   |
| 95       | 32.8  | 12.3  | 52.3   |

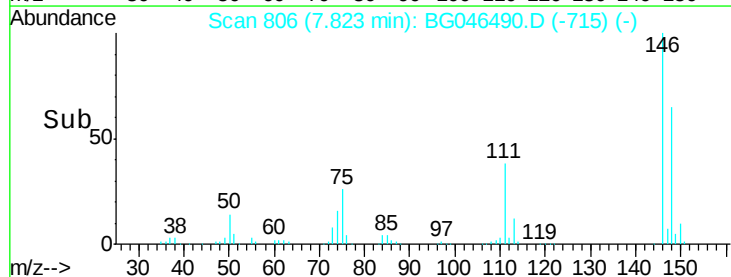
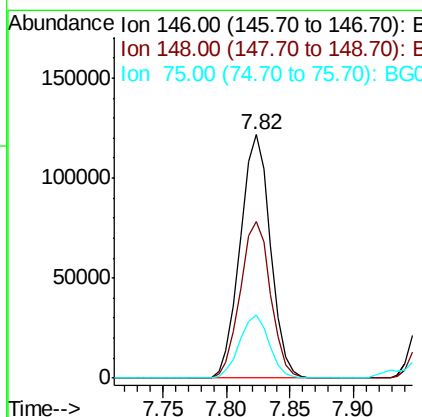
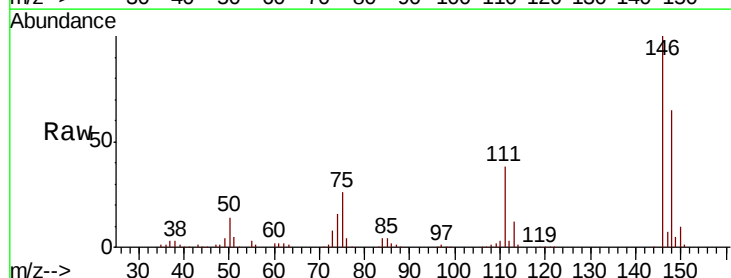
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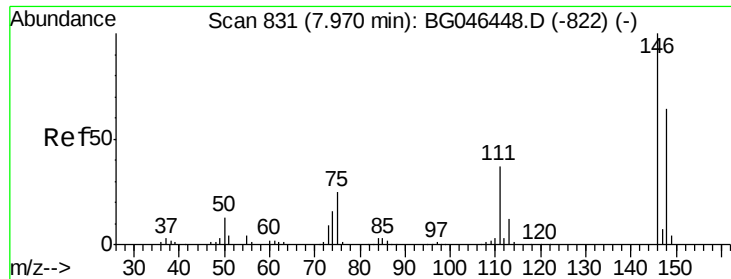
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 41.902 ng  
RT: 7.82 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 201329 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 64.6  | 51.4  | 77.0   |
| 75       | 26.0  | 20.7  | 31.1   |





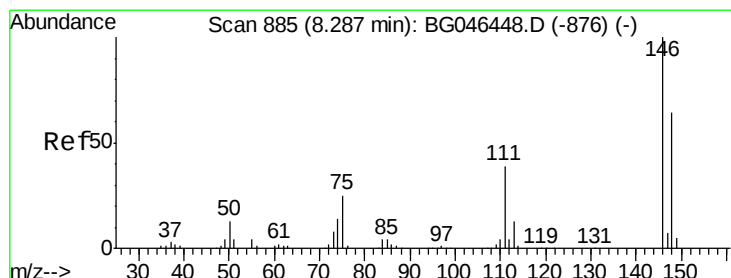
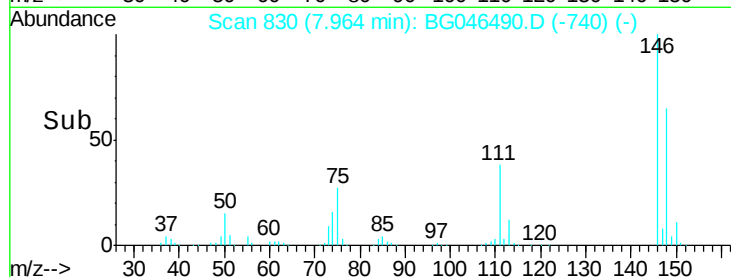
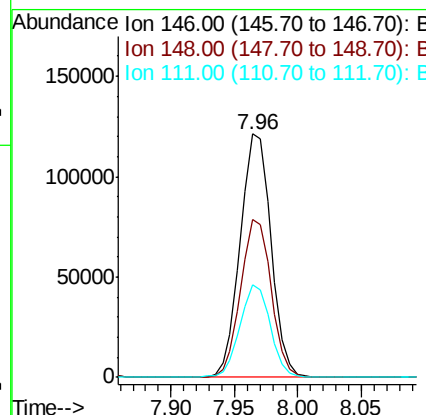
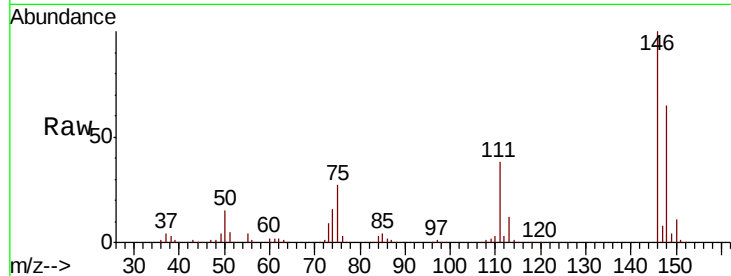
#13  
 1,4-Dichlorobenzene  
 Concen: 42.373 ng  
 RT: 7.96 min Scan# 830  
 Delta R.T. -0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.8  | 50.9  | 76.3  |
| 111     | 38.0  | 29.8  | 44.6  |

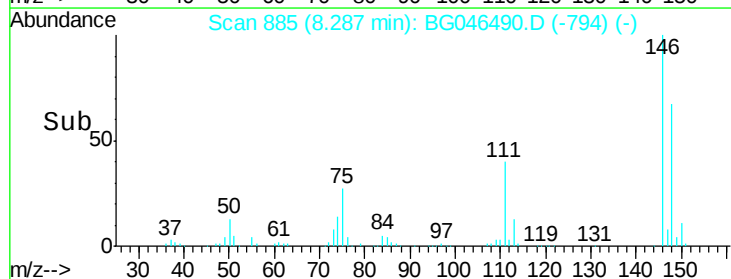
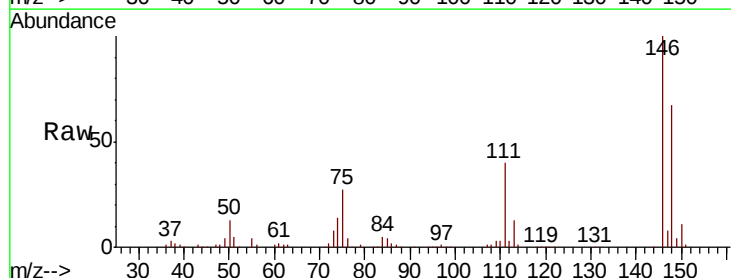
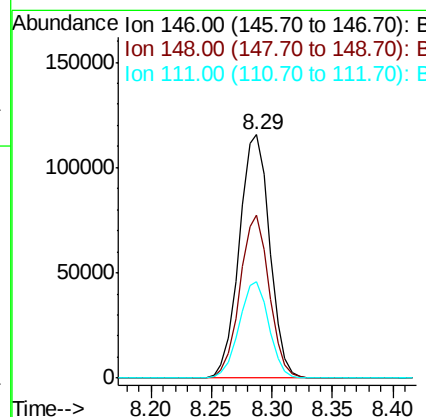
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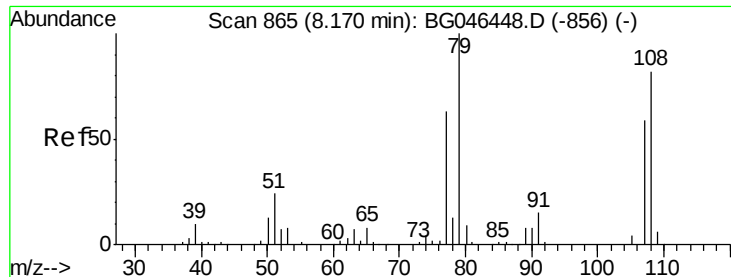
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#14  
 1,2-Dichlorobenzene  
 Concen: 44.097 ng  
 RT: 8.29 min Scan# 885  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.1  | 51.4  | 77.0  |
| 111     | 39.6  | 31.4  | 47.2  |





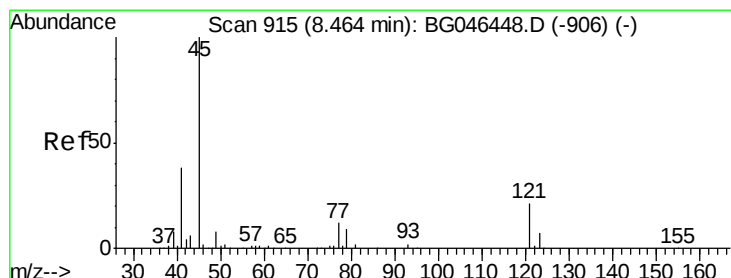
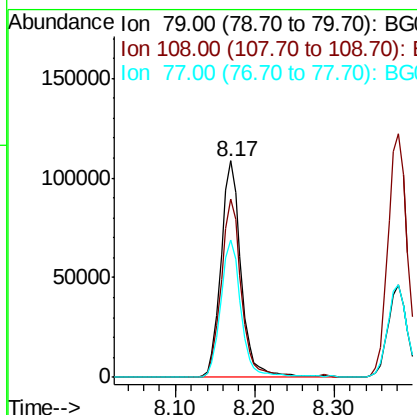
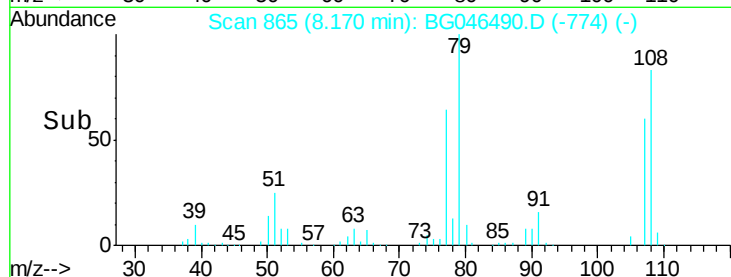
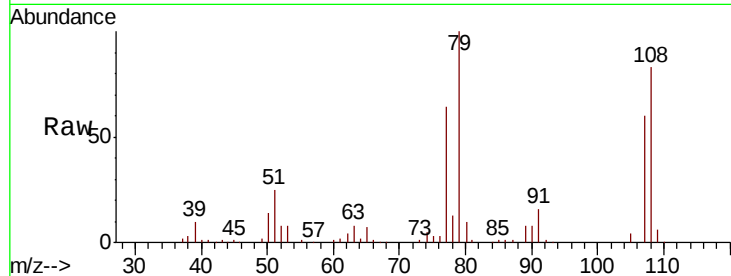
#15  
Benzyl Alcohol  
Concen: 58.922 ng  
RT: 8.17 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 192018 |       |       |
| 108     | 82.5  | 65.7   | 98.5  |       |
| 77      | 63.7  | 50.3   | 75.5  |       |

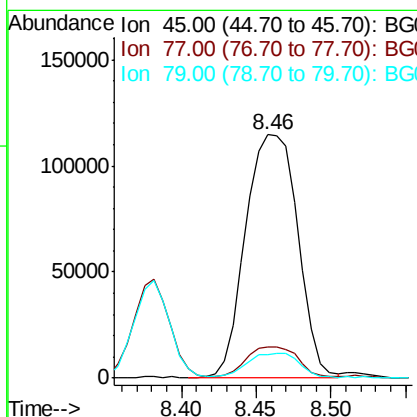
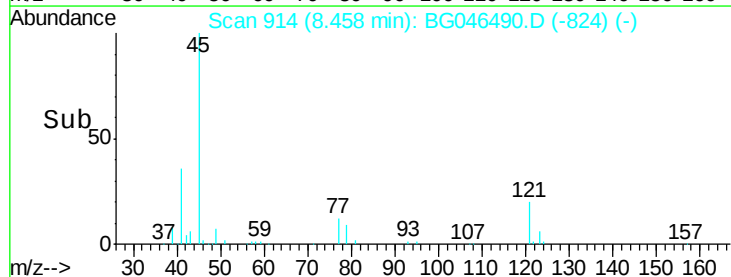
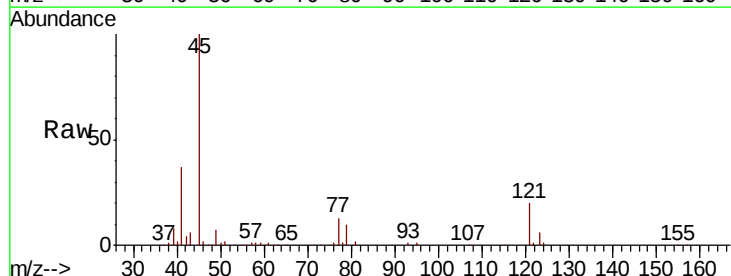
Manual Integrations  
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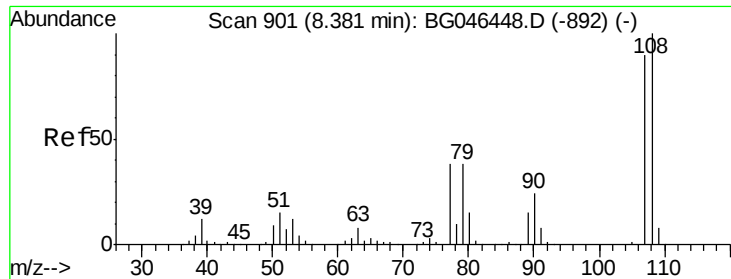
mohammad  
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 47.649 ng  
RT: 8.46 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 277751 |       |       |
| 77      | 13.0  | 0.0    | 33.2  |       |
| 79      | 9.8   | 0.0    | 30.3  |       |





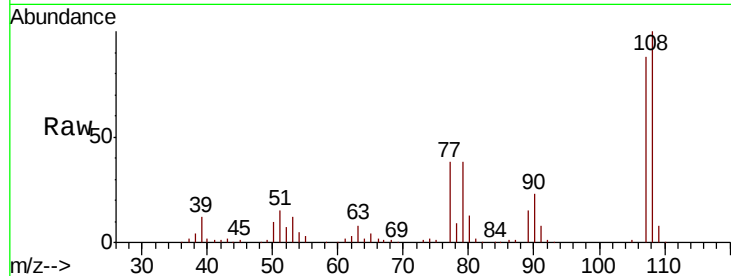
#17  
2-Methylphenol  
Concen: 56.514 ng  
RT: 8.38 min Scan# 901  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 113.6 | 89.4 | 134.0 |       |
| 77      | 43.5  | 34.5 | 51.7  |       |
| 79      | 43.0  | 33.8 | 50.6  |       |

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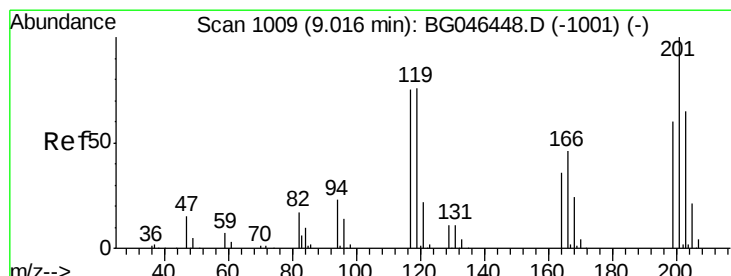
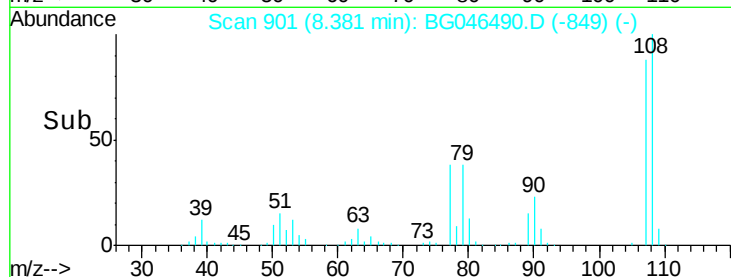
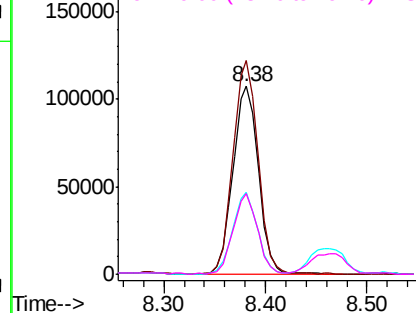
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

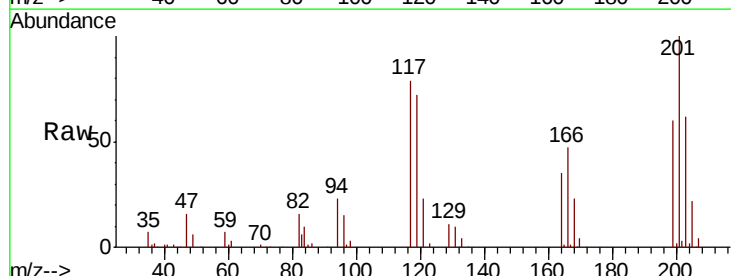
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 42.183 ng  
RT: 9.02 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   |       |       |       |
| 119     | 91.4  | 80.8  | 121.2 |       |
| 201     | 126.4 | 106.7 | 160.1 |       |

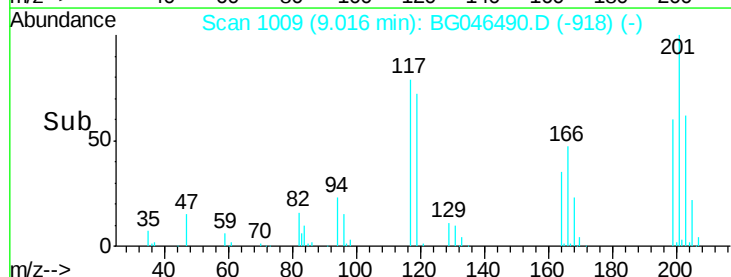
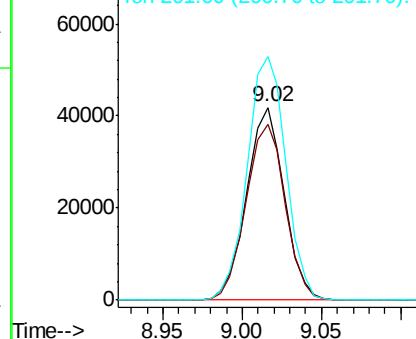


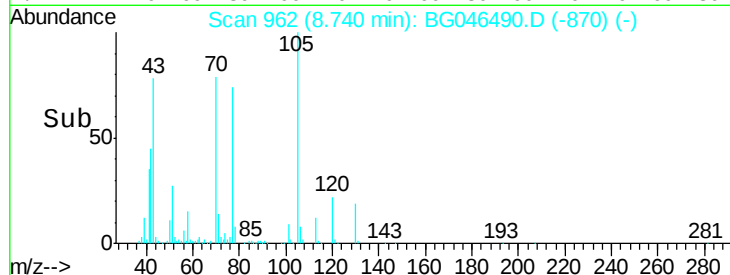
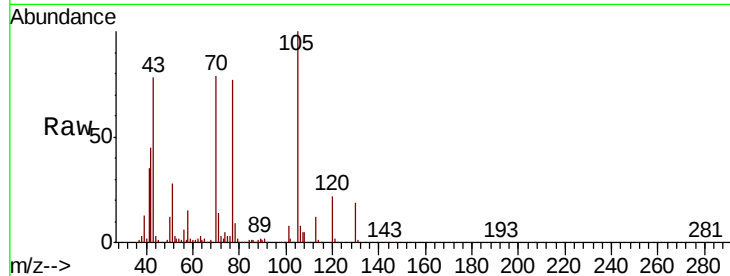
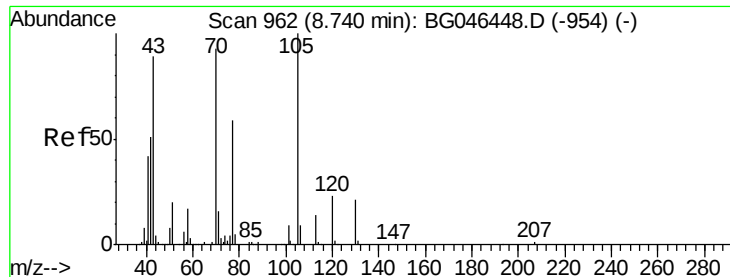
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





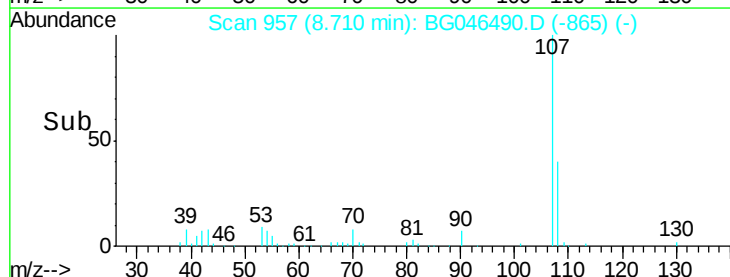
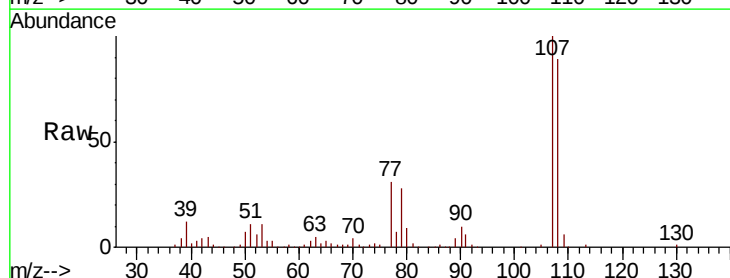
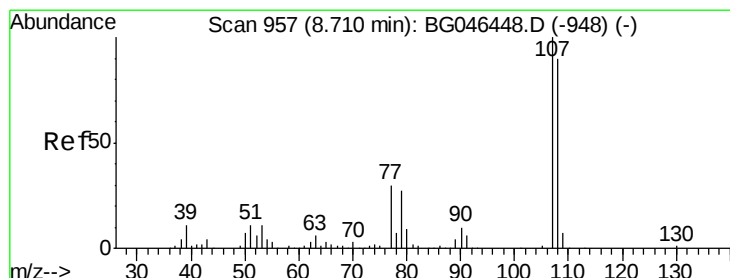
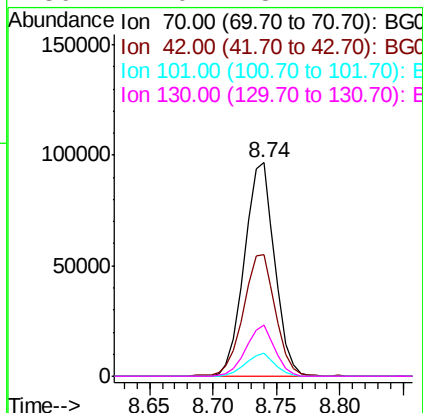
#19  
n-Nitroso-di-n-propylamine  
Concen: 52.998 ng  
RT: 8.74 min Scan# 962  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 56.7 | 44.2  | 66.2  |       |
| 101     | 10.8 | 7.8   | 11.8  |       |
| 130     | 24.0 | 18.2  | 27.4  |       |

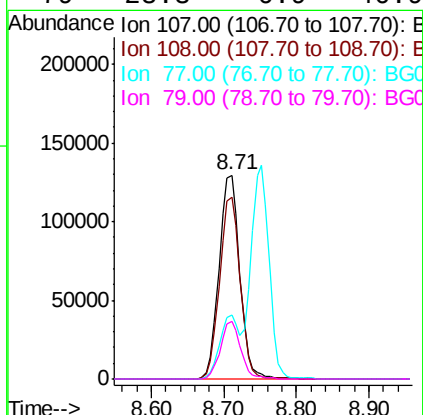
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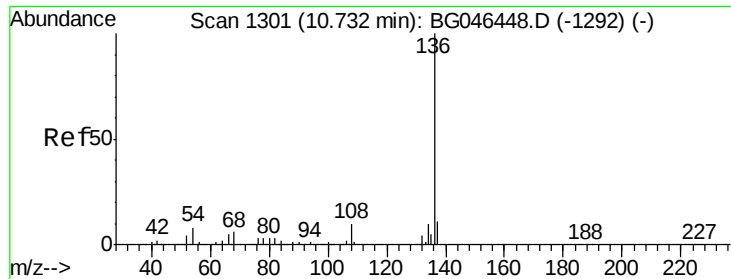
mohammad  
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#20  
3+4-Methylphenols  
Concen: 56.306 ng  
RT: 8.71 min Scan# 957  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 88.9 | 69.7  | 109.7 |       |
| 77      | 31.1 | 9.7   | 49.7  |       |
| 79      | 28.3 | 6.9   | 46.9  |       |





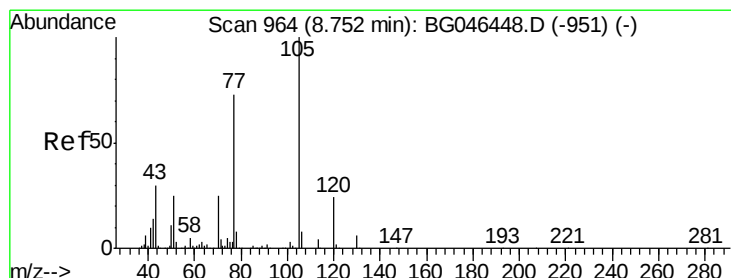
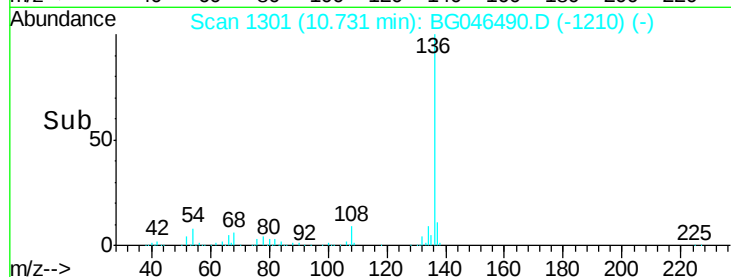
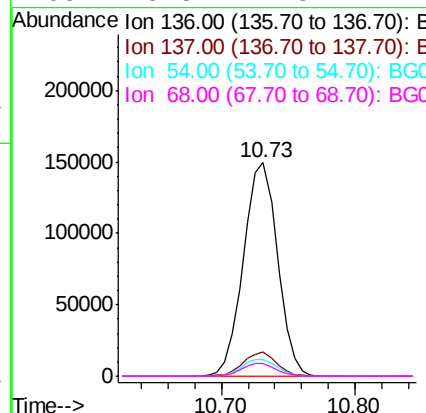
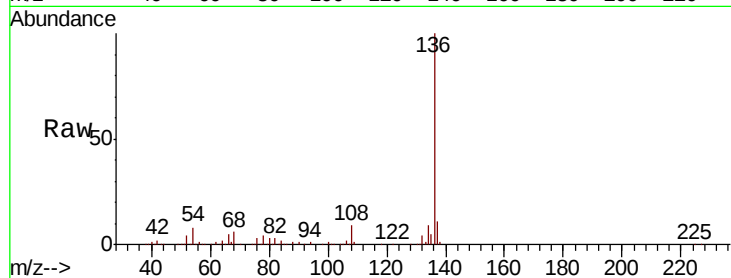
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 264154 |       |       |
| 137     | 11.2  | 8.8    | 13.2  |       |
| 54      | 7.9   | 6.1    | 9.1   |       |
| 68      | 5.8   | 4.8    | 7.2   |       |

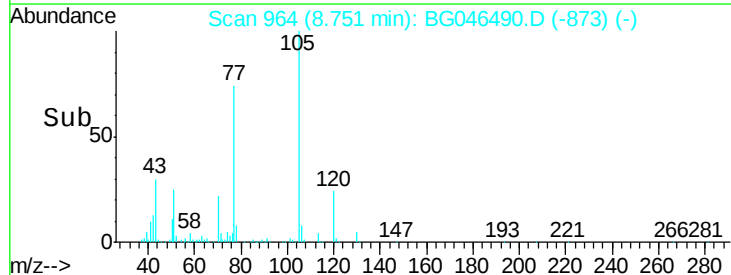
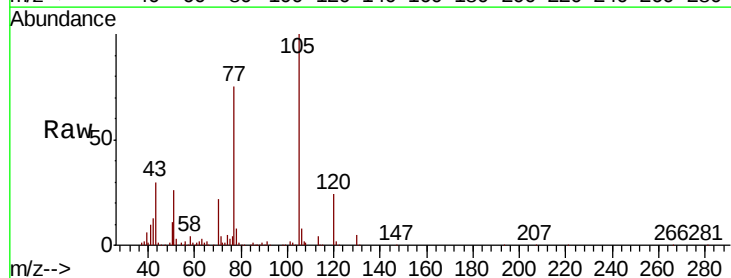
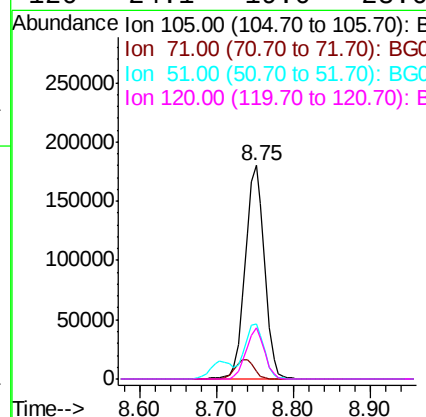
Manual Integrations  
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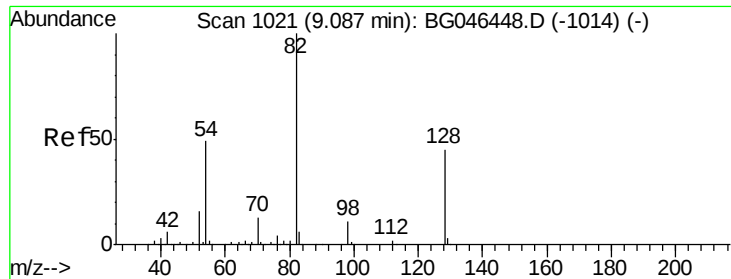
mohammad  
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#22  
Acetophenone  
Concen: 48.958 ng  
RT: 8.75 min Scan# 964  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 314800 |       |       |
| 71      | 3.8   | 3.3    | 4.9   |       |
| 51      | 25.7  | 20.6   | 31.0  |       |
| 120     | 24.1  | 19.0   | 28.6  |       |





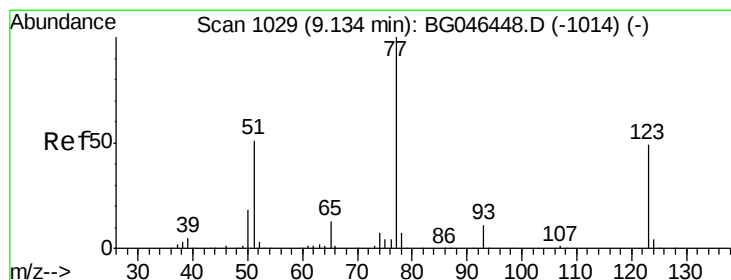
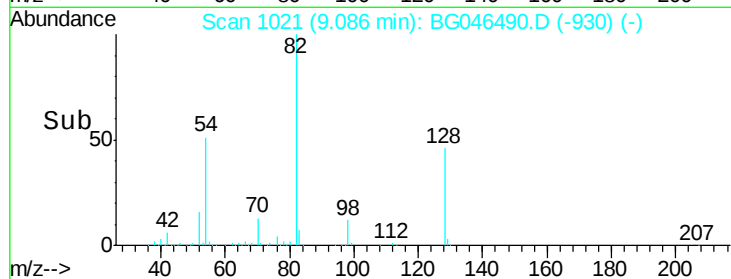
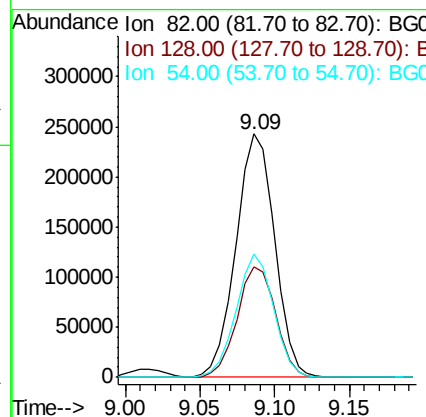
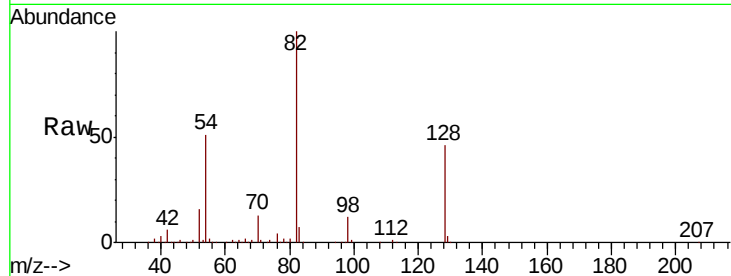
#23  
 Nitrobenzene-d5  
 Concen: 94.360 ng  
 RT: 9.09 min Scan# 1021  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

| Tot Ion   | 82   | Resp  | 436105 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.6 | 35.7  | 53.5   |
| 54        | 50.6 | 39.4  | 59.0   |

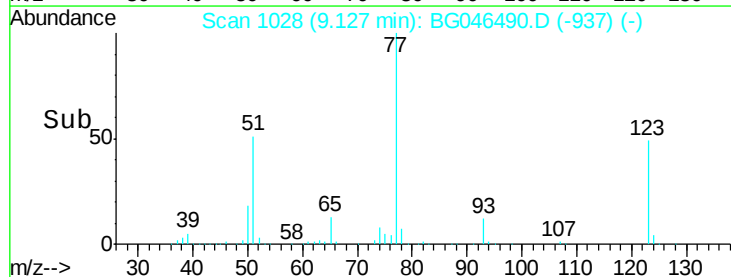
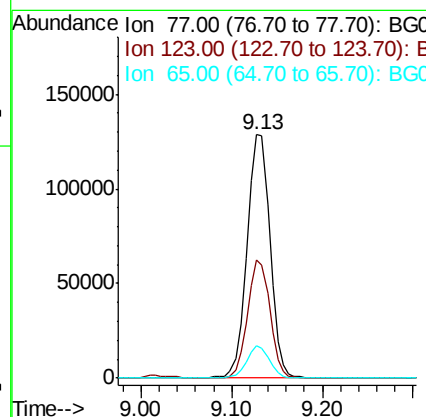
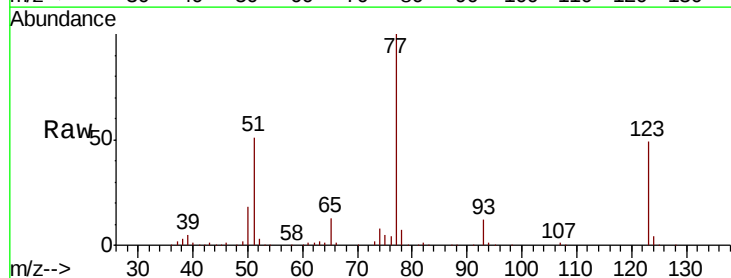
Manual Integrations  
 APPROVED

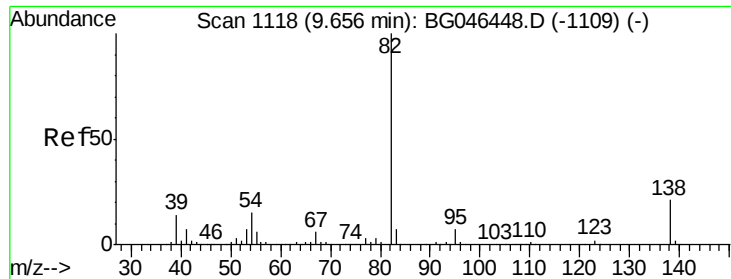
mohammad  
 9/2/2020 1:58:12 PM



#24  
 Nitrobenzene  
 Concen: 49.649 ng  
 RT: 9.13 min Scan# 1028  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion   | 77   | Resp  | 226697 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 48.5 | 39.6  | 59.4   |
| 65        | 13.4 | 10.1  | 15.1   |





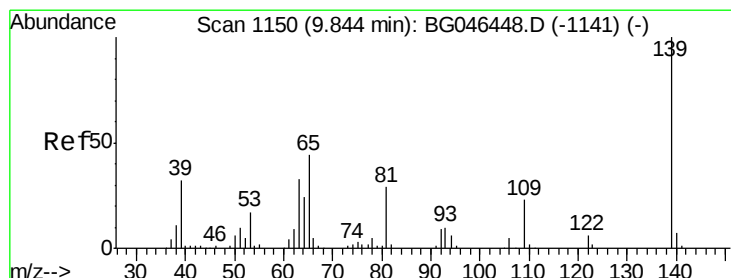
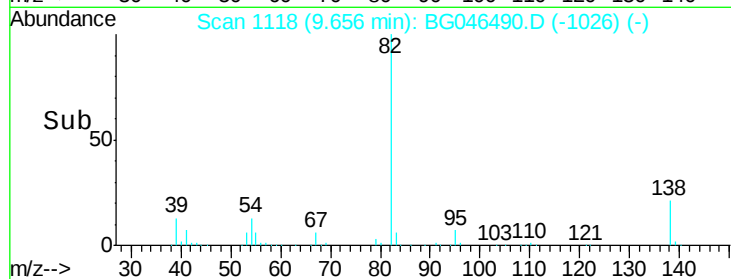
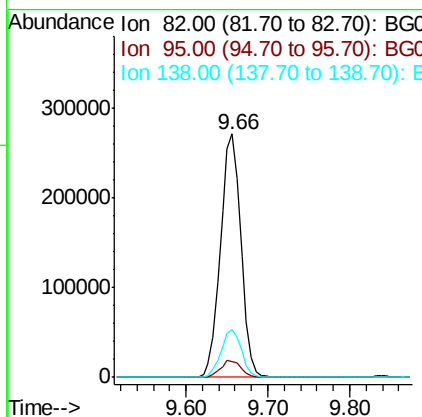
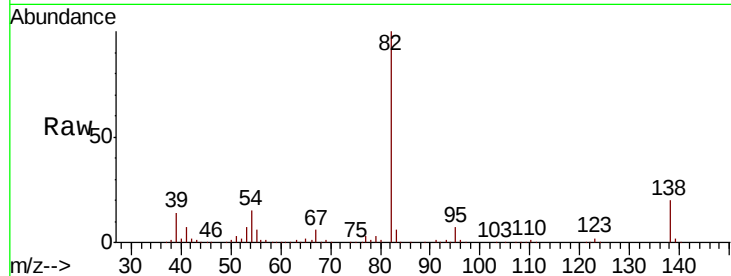
#25  
Isophorone  
Concen: 55.772 ng  
RT: 9.66 min Scan# 1118  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 472570 |       |       |
| 95      | 6.7   |        | 5.8   | 8.6   |
| 138     | 19.7  |        | 16.4  | 24.6  |

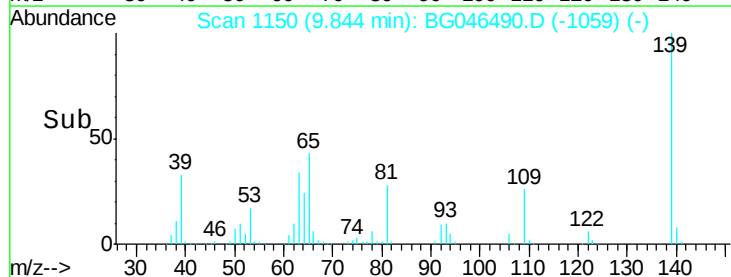
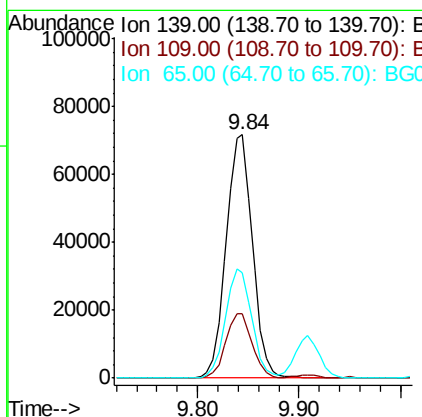
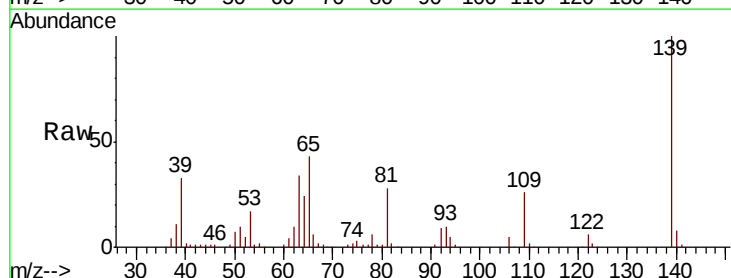
Manual Integrations  
APPROVED

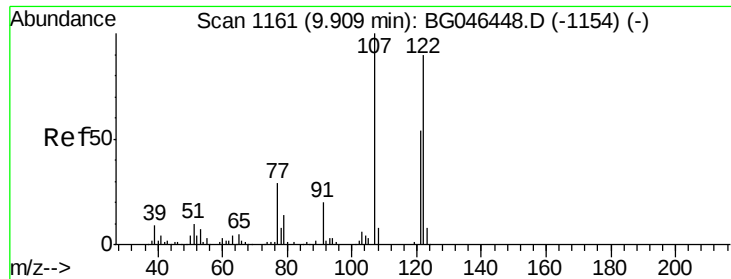
mohammad  
9/2/2020 1:58:12 PM



#26  
2-Nitrophenol  
Concen: 53.593 ng  
RT: 9.84 min Scan# 1150  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 129107 |       |       |
| 109     | 26.2  |        | 18.8  | 28.2  |
| 65      | 43.5  |        | 35.0  | 52.6  |





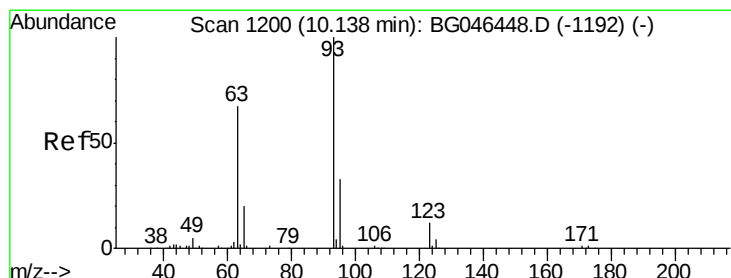
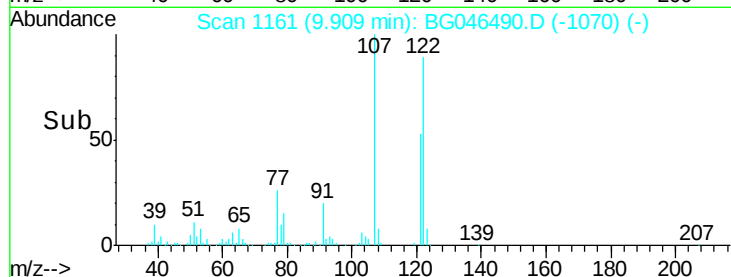
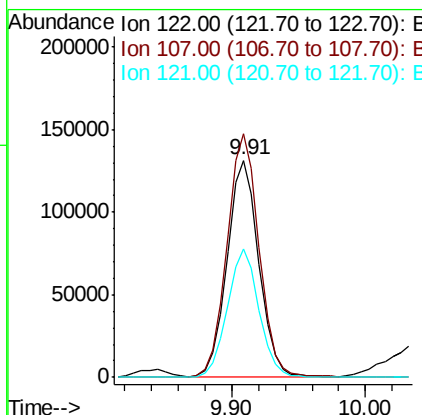
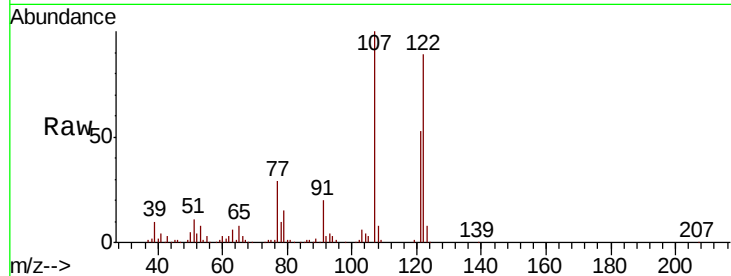
#27  
2,4-Dimethylphenol  
Concen: 65.332 ng  
RT: 9.91 min Scan# 1161  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 112.1 | 88.2  | 132.2 |
| 121     | 59.3  | 47.4  | 71.0  |

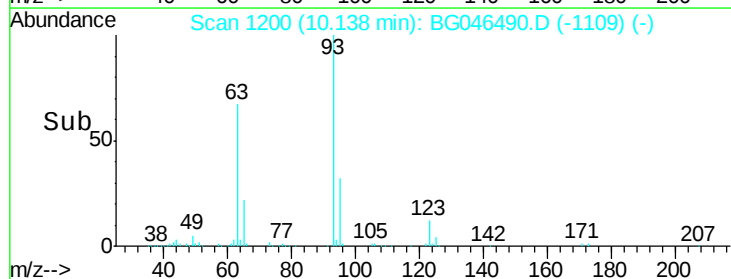
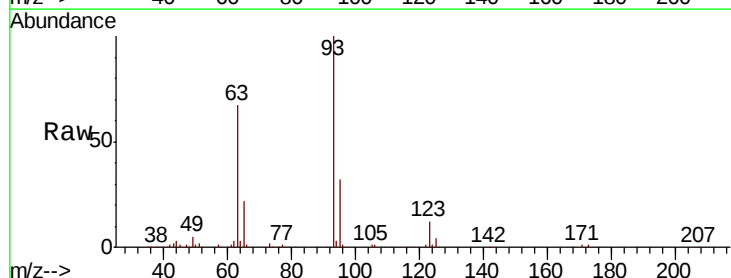
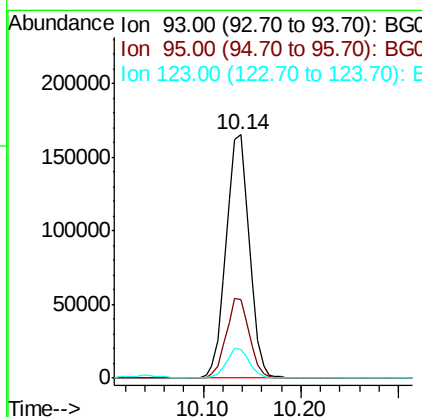
Manual Integrations  
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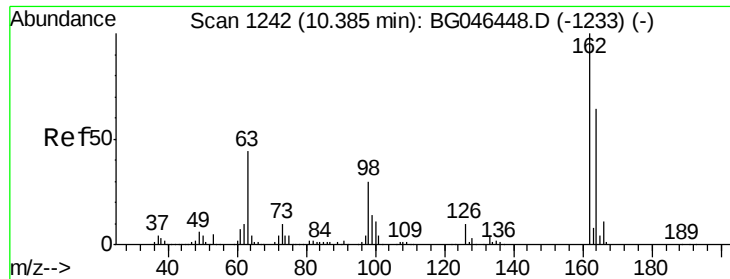
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 50.291 ng  
RT: 10.14 min Scan# 1200  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.2  | 26.1  | 39.1  |
| 123     | 11.9  | 9.5   | 14.3  |





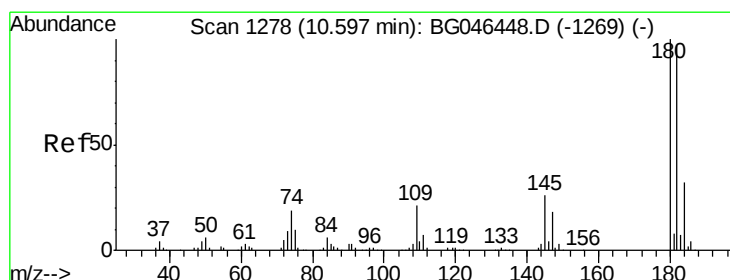
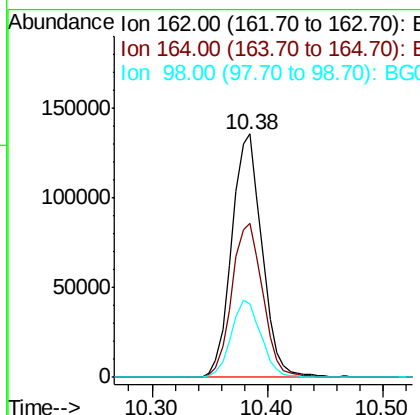
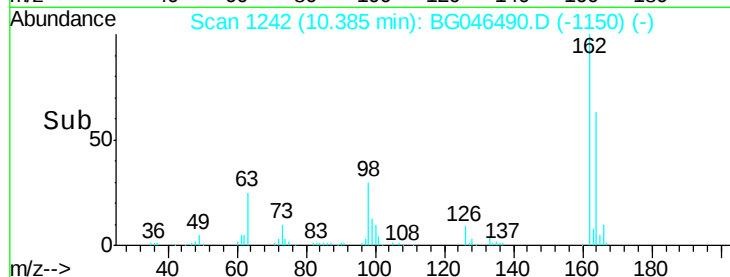
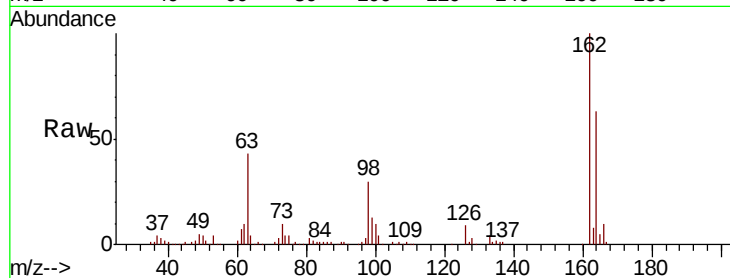
#29  
 2,4-Dichlorophenol  
 Concen: 56.007 ng  
 RT: 10.38 min Scan# 1242  
 Delta R.T. 0.01 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 247384 |       |       |
| 164     | 63.0  | 44.3   | 84.3  |       |
| 98      | 30.1  | 10.0   | 50.0  |       |

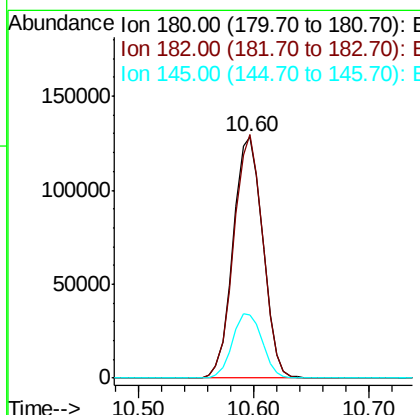
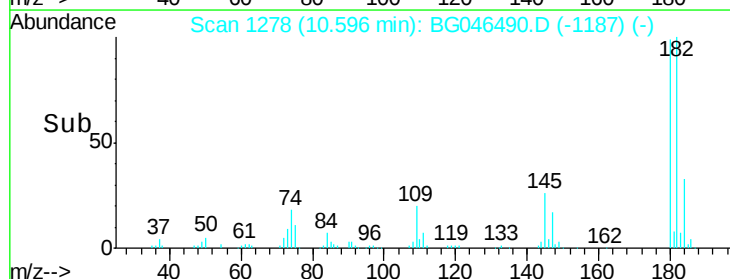
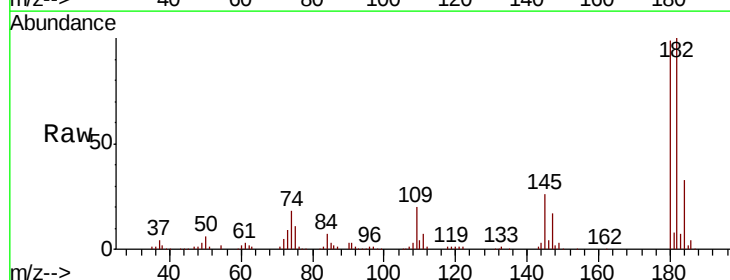
Manual Integrations  
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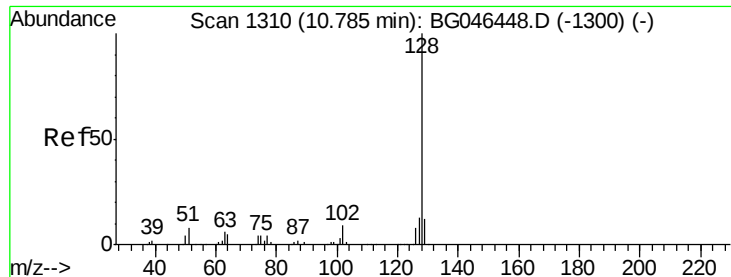
mohammad  
 9/2/2020 1:58:12 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.616 ng  
 RT: 10.60 min Scan# 1278  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 228584 |       |       |
| 182     | 100.9 | 77.8   | 116.8 |       |
| 145     | 26.0  | 20.9   | 31.3  |       |





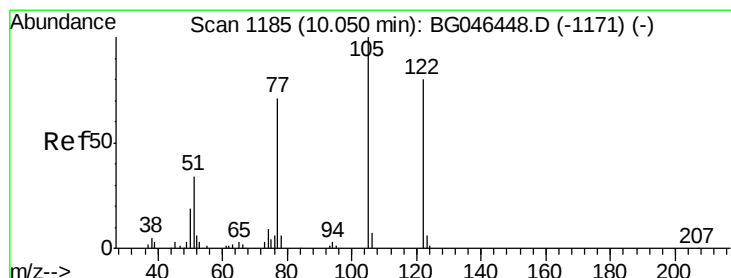
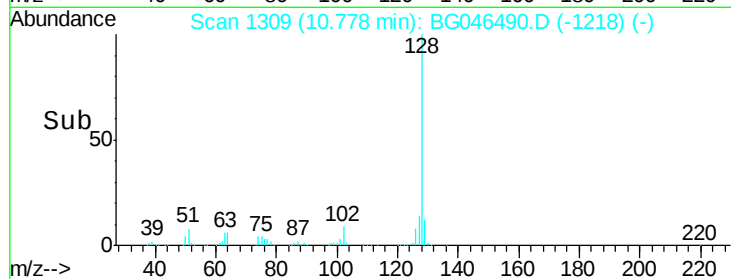
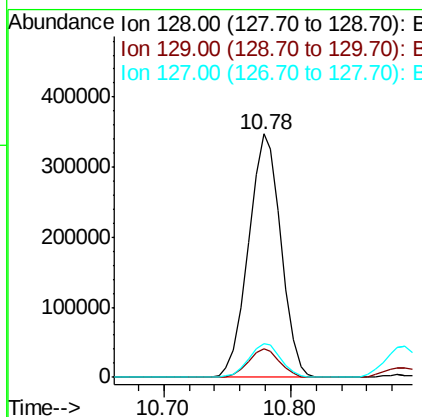
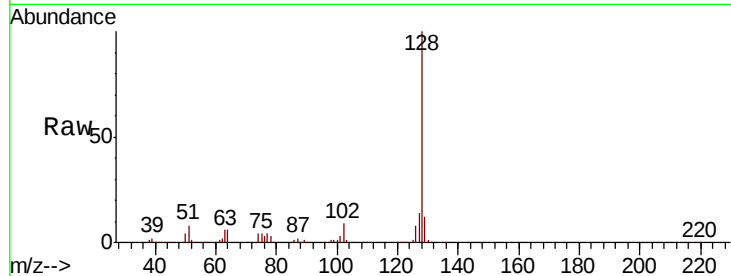
#31  
Naphthalene  
Concen: 47.756 ng  
RT: 10.78 min Scan# 1309  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 615937 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.9  | 9.2   | 13.8   |
| 127       | 13.7  | 10.7  | 16.1   |

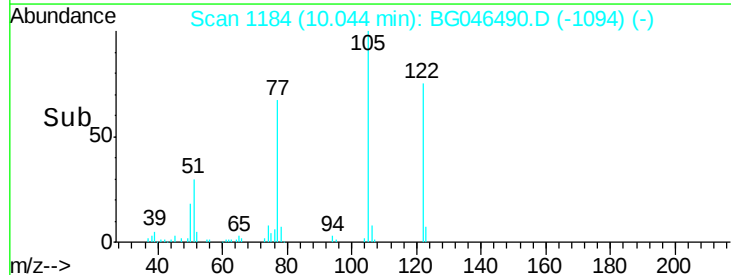
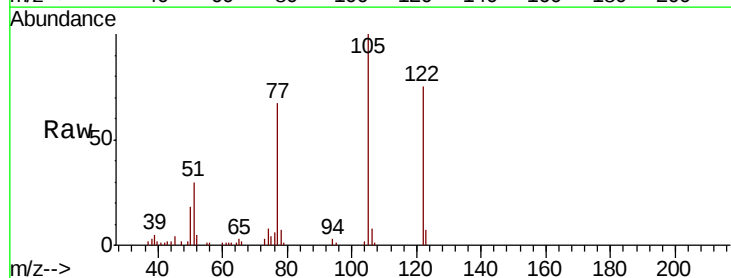
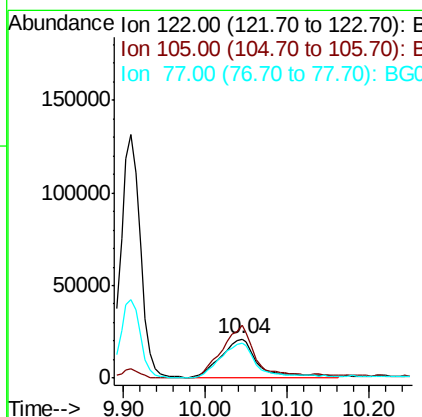
Manual Integrations  
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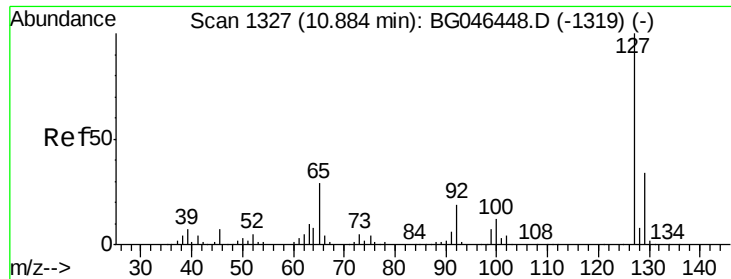
mohammad  
9/2/2020 1:58:12 PM



#32  
Benzoic acid  
Concen: 30.878 ng  
RT: 10.04 min Scan# 1184  
Delta R.T. -0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 64927 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 132.8 | 102.5 | 142.5 |
| 77        | 89.4  | 68.2  | 108.2 |





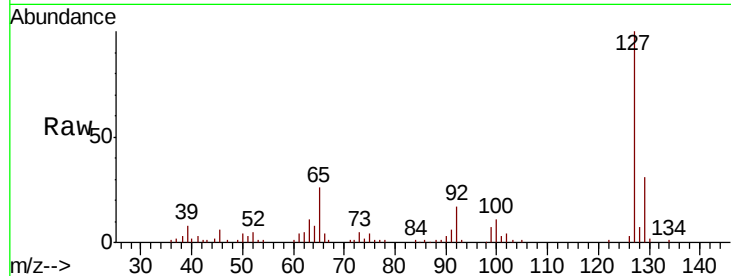
#33  
4-Chloroaniline  
Concen: 16.496 ng  
RT: 10.89 min Scan# 1328  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

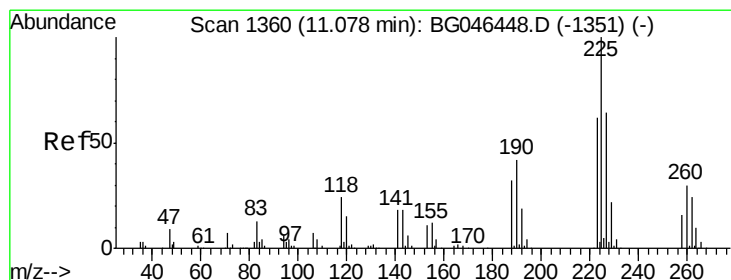
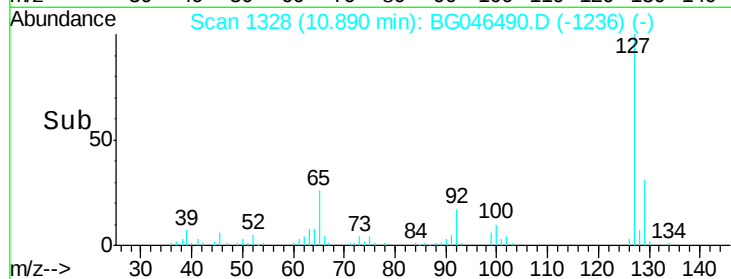
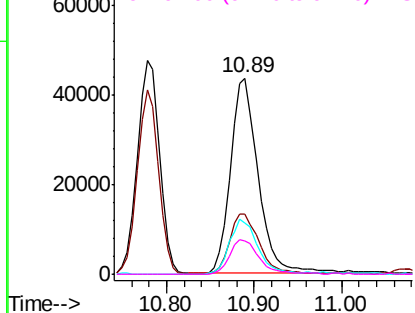
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 30.7 | 27.0  | 40.4 |       |       |
| 65      | 26.1 | 23.5  | 35.3 |       |       |
| 92      | 17.2 | 14.9  | 22.3 |       |       |

Manual Integrations  
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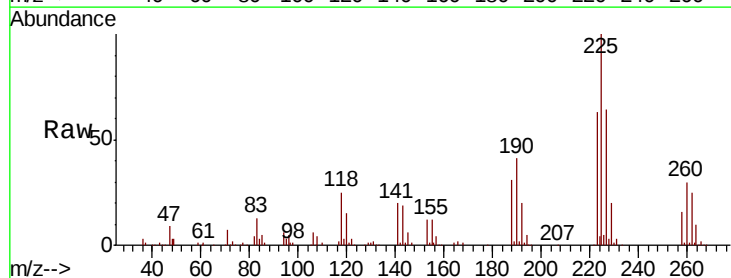


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

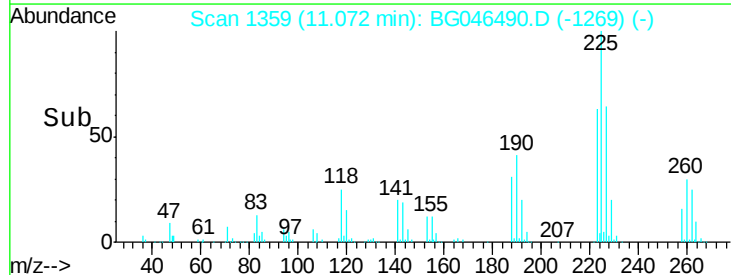
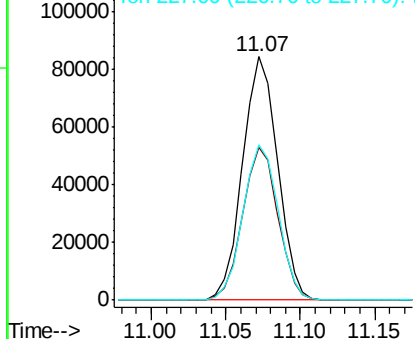


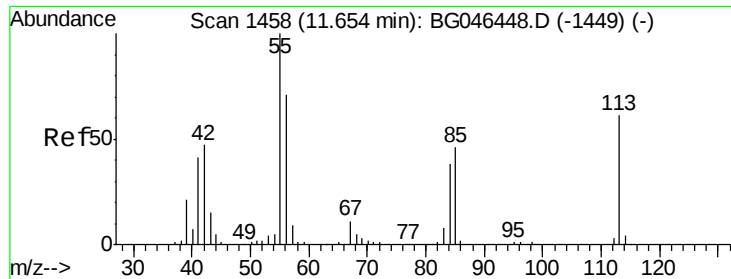
#34  
Hexachlorobutadiene  
Concen: 40.268 ng  
RT: 11.07 min Scan# 1359  
Delta R.T. -0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.8 | 49.9  | 74.9 |       |       |
| 227     | 63.6 | 51.6  | 77.4 |       |       |



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





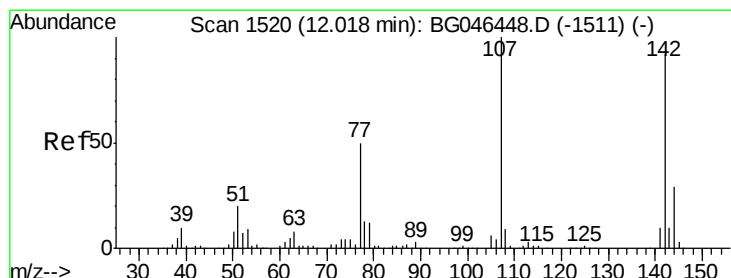
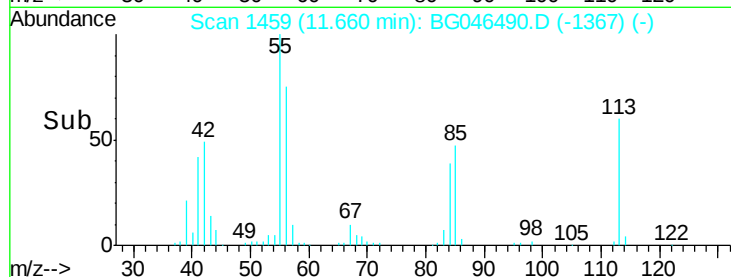
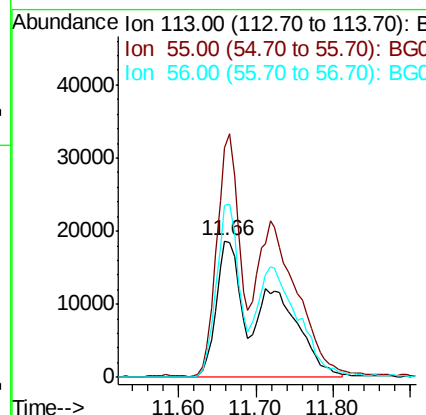
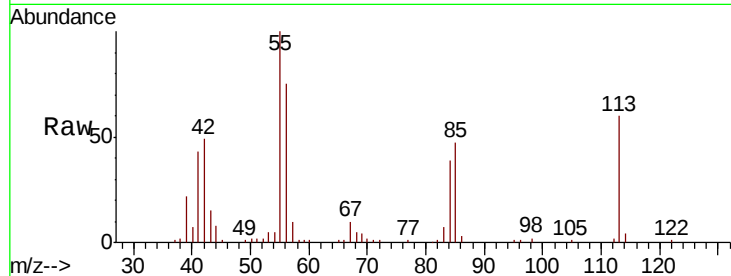
#35  
Caprolactam  
Concen: 51.527 ng/ml  
RT: 11.66 min Scan# 1459  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

Tot Ion:113 Resp: 85075  
Ion Ratio Lower Upper  
113 100  
55 167.7 144.2 184.2  
56 125.6 97.0 137.0

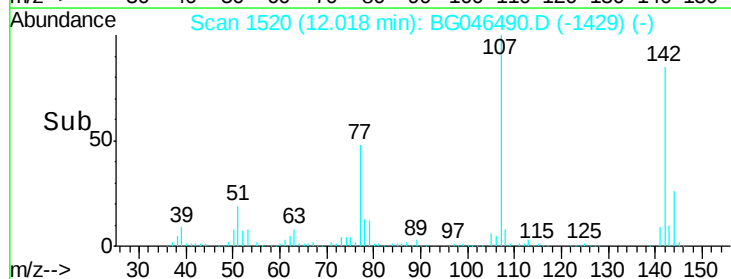
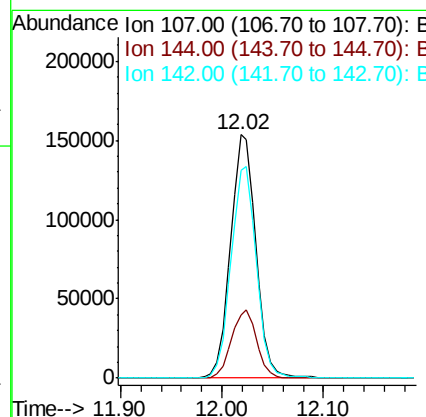
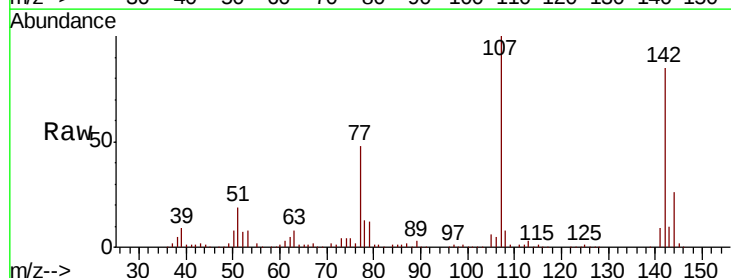
Manual Integrations  
APPROVED

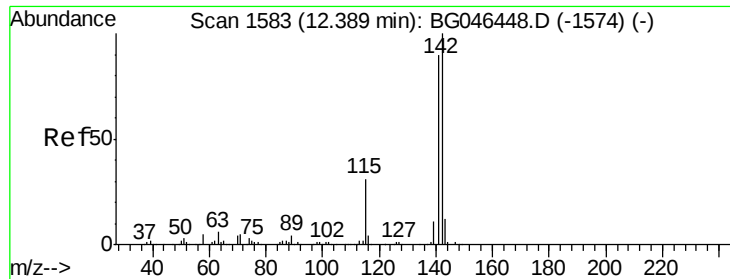
mohammad  
9/2/2020 1:58:12 PM



#36  
4-Chloro-3-methylphenol  
Concen: 61.654 ng/ml  
RT: 12.02 min Scan# 1520  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Tgt Ion:107 Resp: 266352  
Ion Ratio Lower Upper  
107 100  
144 26.1 23.3 34.9  
142 85.4 73.7 110.5





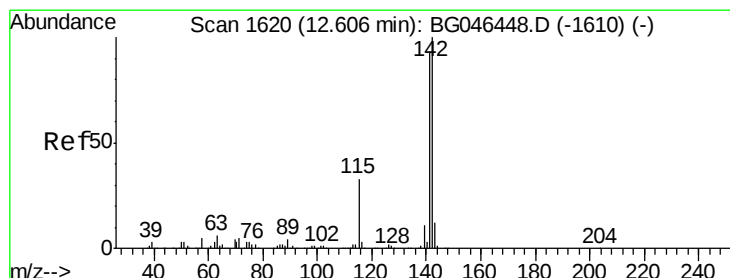
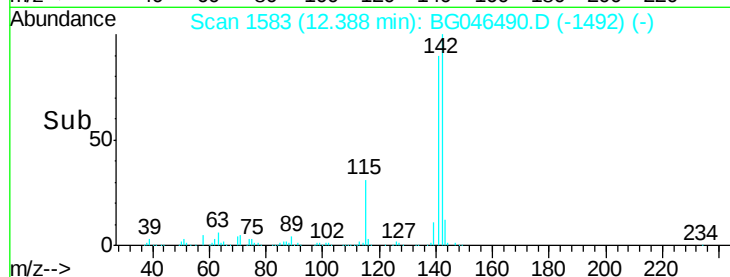
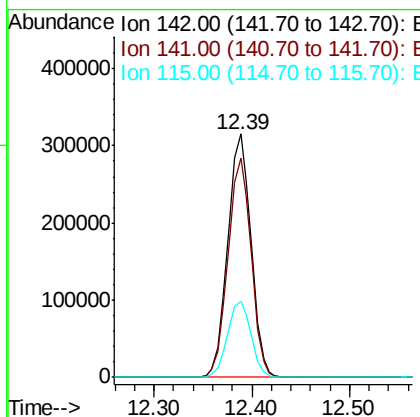
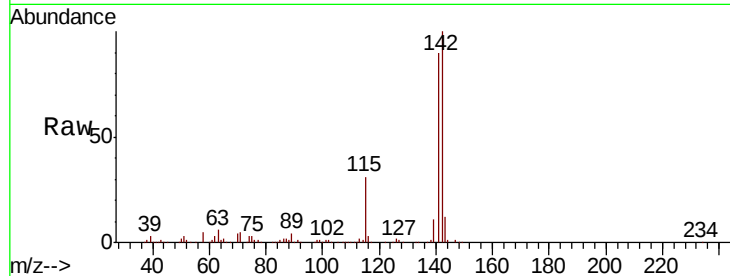
#37  
2-Methylnaphthalene  
Concen: 51.108 ng  
RT: 12.39 min Scan# 1583  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 72.1  | 108.1 |
| 115     | 31.2  | 24.9  | 37.3  |

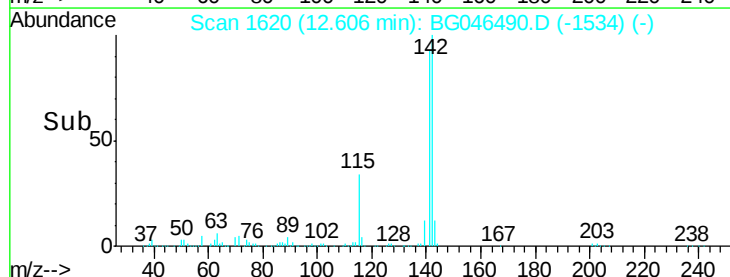
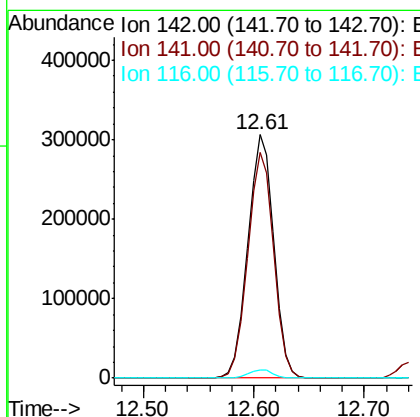
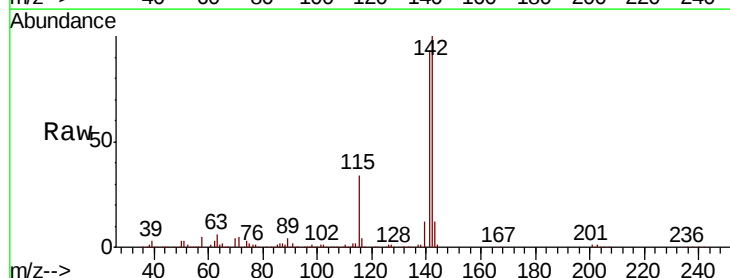
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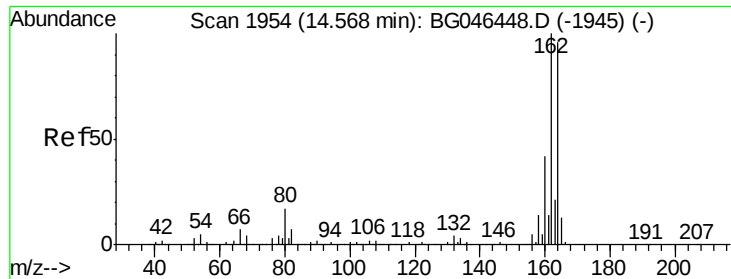
mohammad  
9/2/2020 1:58:12 PM



#38  
1-Methylnaphthalene  
Concen: 52.184 ng  
RT: 12.61 min Scan# 1620  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 74.7  | 112.1 |
| 116     | 3.5   | 2.6   | 4.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

ClientSampleId :

TR-08-082820MSD

Tot Ion:164 Resp: 200895

Ion Ratio Lower Upper

164 100

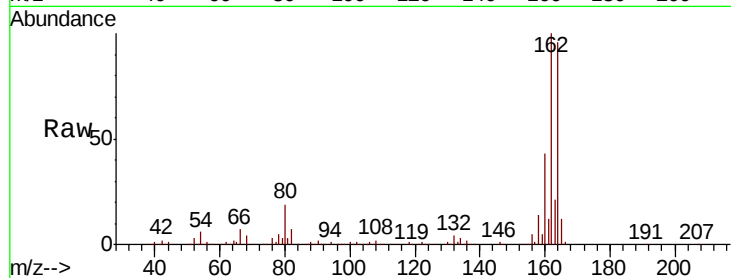
162 104.2 83.3 124.9

160 44.4 35.0 52.6

Manual Integrations  
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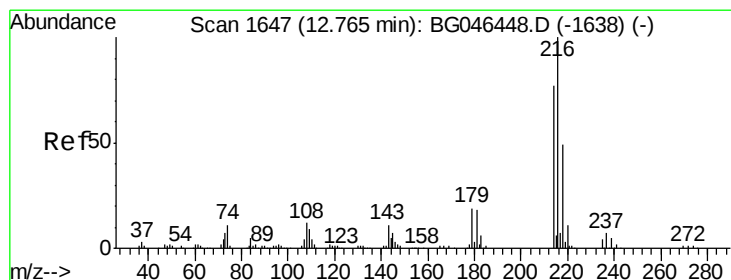
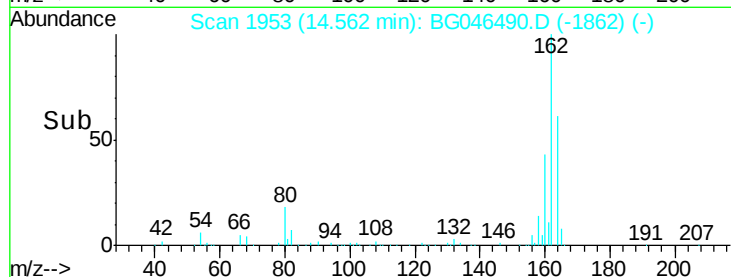
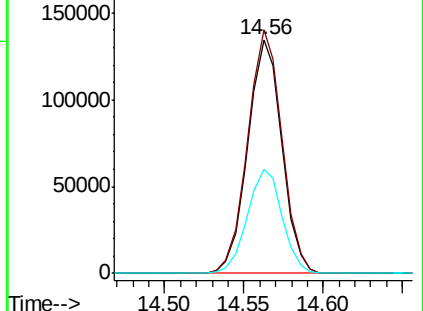
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.035 ng

RT: 12.76 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Tgt Ion:216 Resp: 311594

Ion Ratio Lower Upper

216 100

214 77.3 62.1 93.1

179 18.9 14.9 22.3

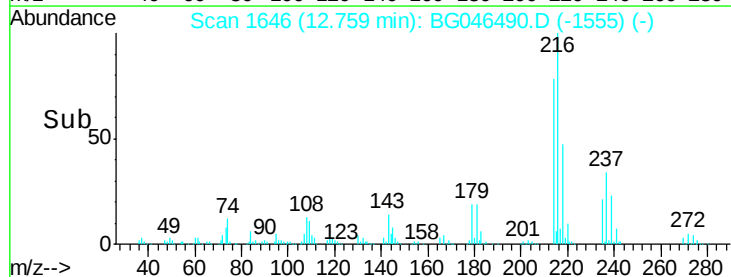
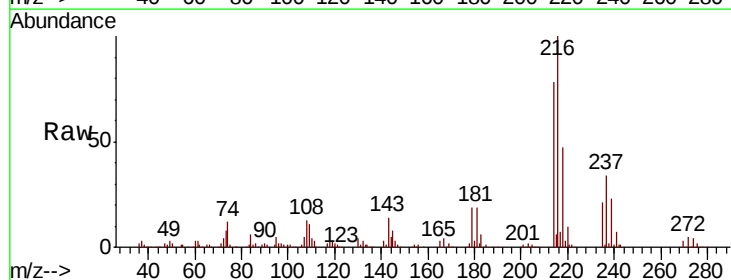
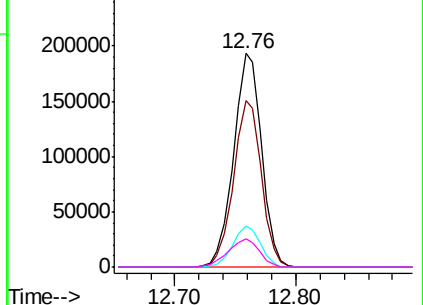
108 14.6 10.5 15.7

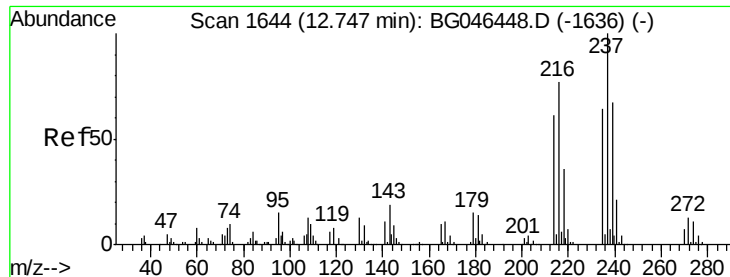
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 110.650 ng

RT: 12.75 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

ClientSampleId :

TR-08-082820MSD

Tot Ion: 237 Resp: 318738  
Ion Ratio Lower Upper

237 100

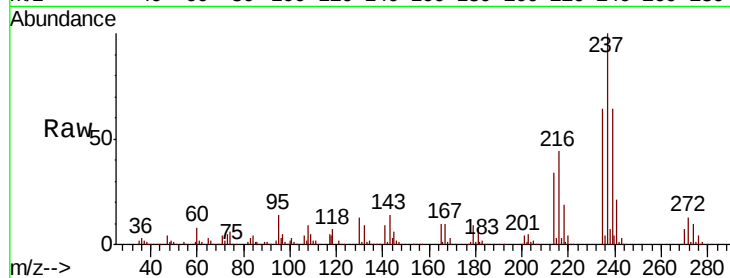
235 63.6 44.5 84.5

272 12.6 0.0 32.8

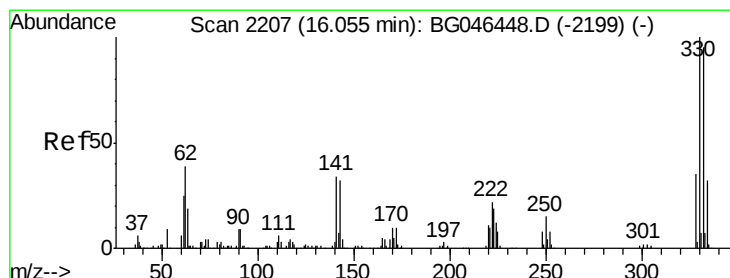
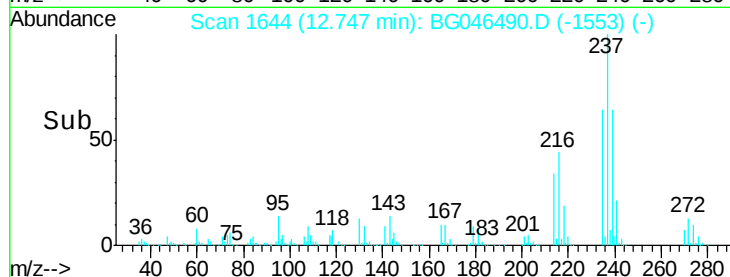
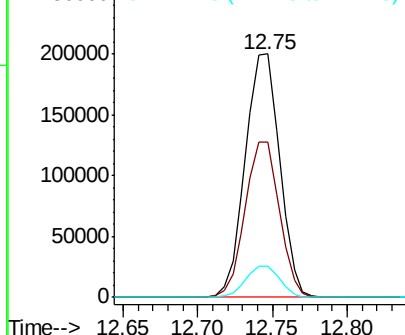
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Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 142.505 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BG046490.D

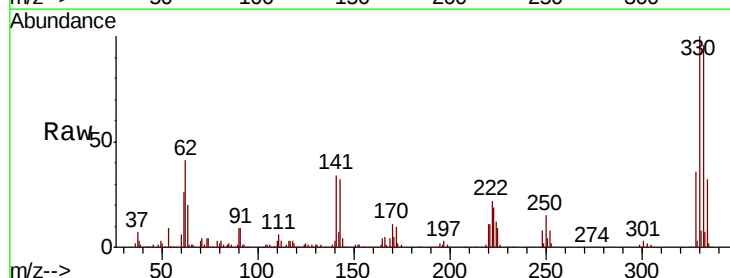
Acq: 1 Sep 2020 18:47

Tgt Ion: 330 Resp: 387896  
Ion Ratio Lower Upper

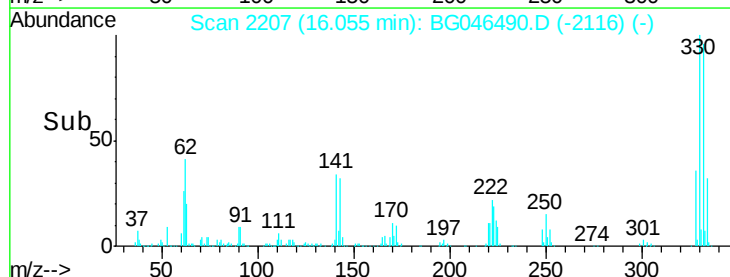
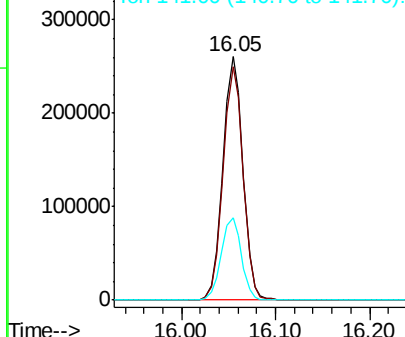
330 100

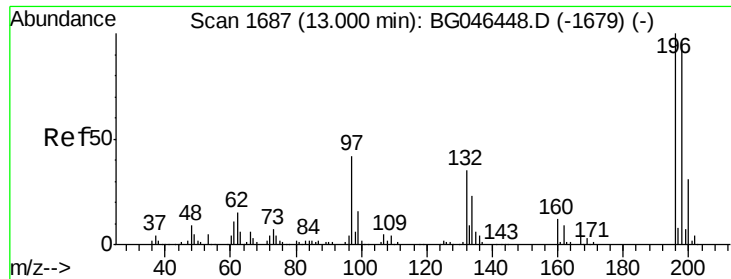
332 95.7 76.1 114.1

141 33.9 26.1 39.1



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





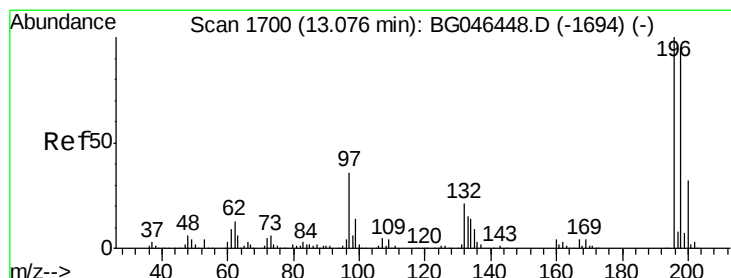
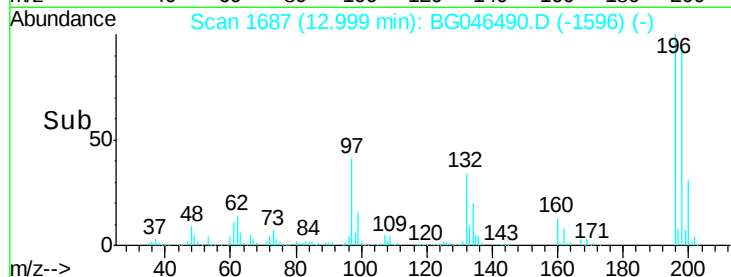
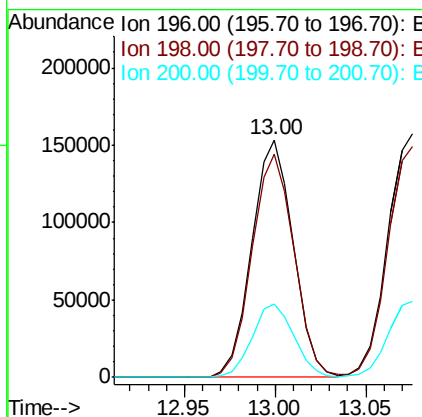
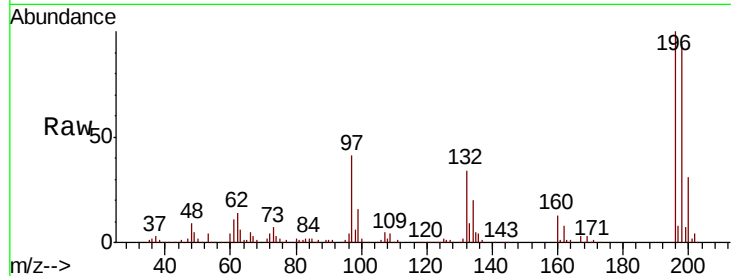
#43  
 2,4,6-Trichlorophenol  
 Concen: 54.377 ng  
 RT: 13.00 min Scan# 1687  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 243099 |       |       |
| 198     | 93.9  | 77.0   | 115.6 |       |
| 200     | 30.9  | 25.2   | 37.8  |       |

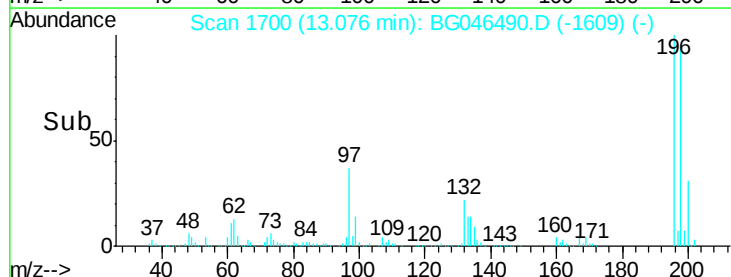
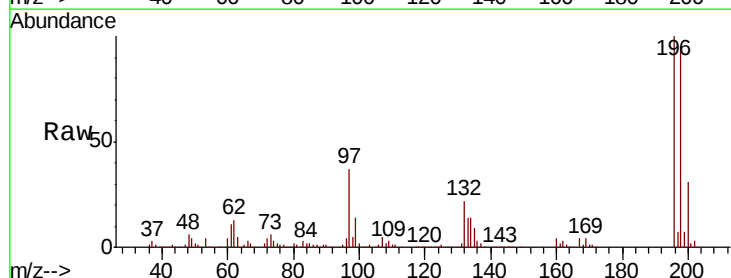
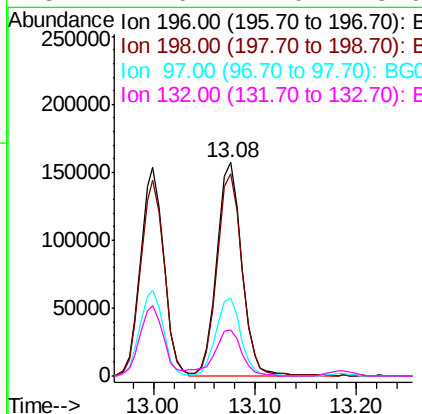
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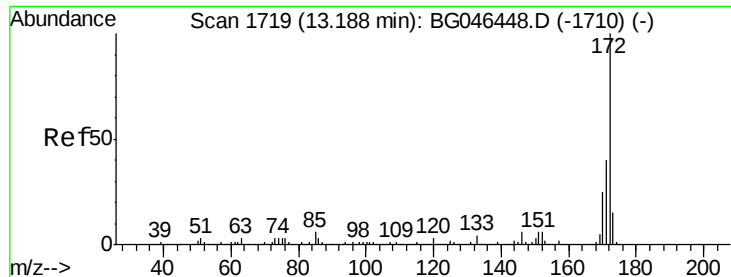
mohammad  
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#44  
 2,4,5-Trichlorophenol  
 Concen: 57.154 ng  
 RT: 13.08 min Scan# 1700  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 268459 |       |       |
| 198     | 94.6  | 75.6   | 113.4 |       |
| 97      | 36.7  | 28.6   | 43.0  |       |
| 132     | 21.6  | 17.0   | 25.6  |       |





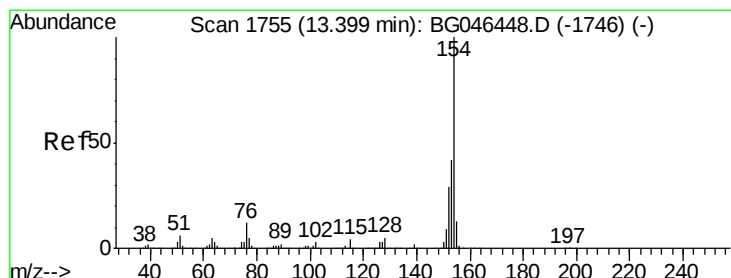
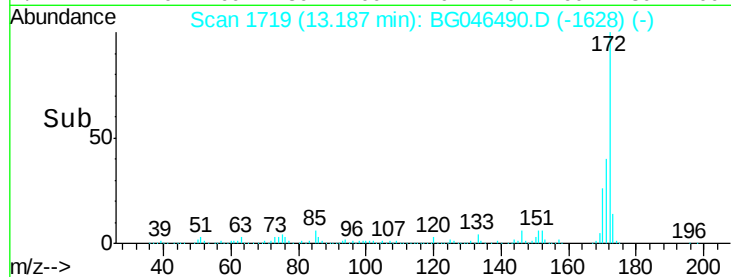
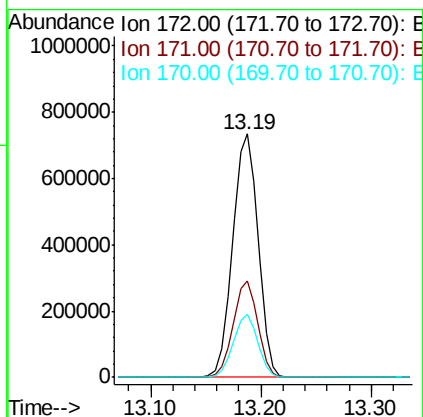
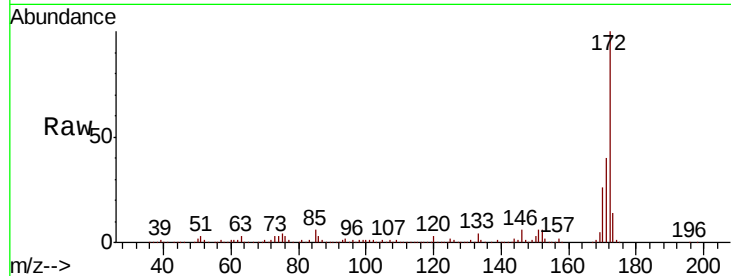
#45  
2-Fluorobiphenyl  
Concen: 90.020 ng  
RT: 13.19 min Scan# 1719  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.5  | 31.8  | 47.6  |
| 170     | 25.7  | 20.3  | 30.5  |

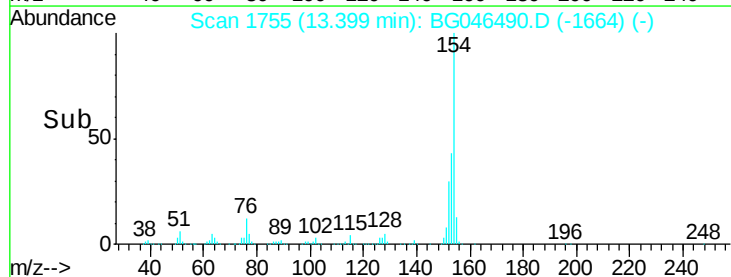
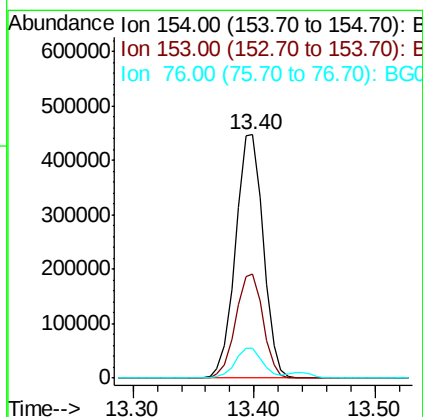
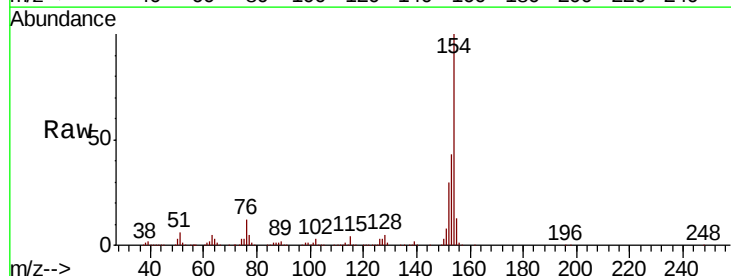
Manual Integrations  
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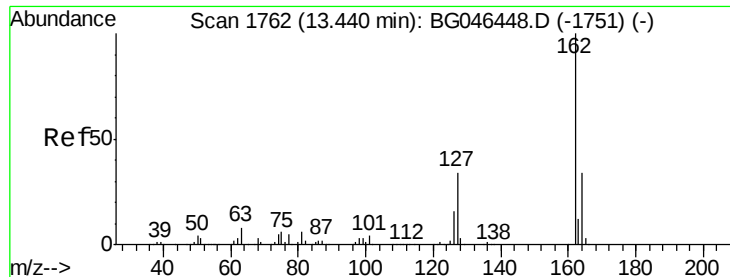
mohammad  
9/2/2020 1:58:12 PM



#46  
1,1'-Biphenyl  
Concen: 51.102 ng  
RT: 13.40 min Scan# 1755  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.9  | 22.0  | 62.0  |
| 76      | 12.3  | 0.0   | 32.3  |





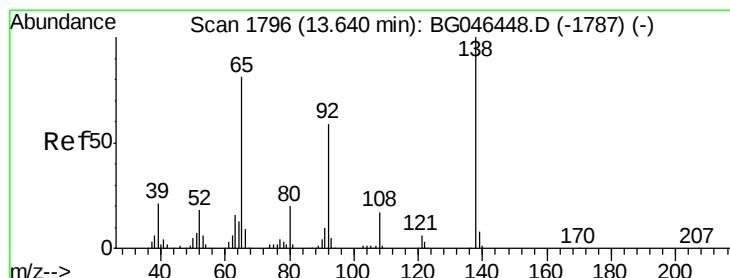
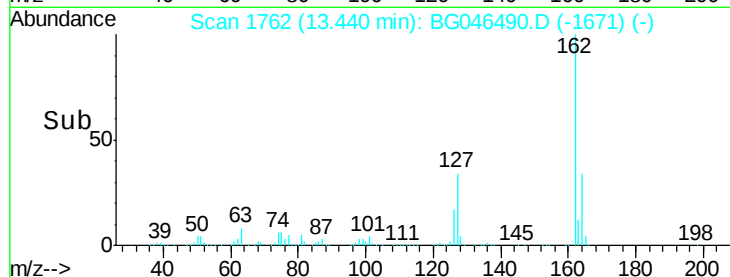
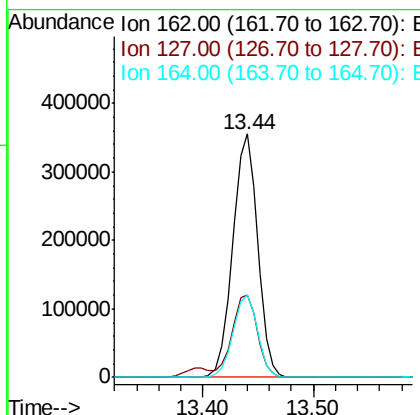
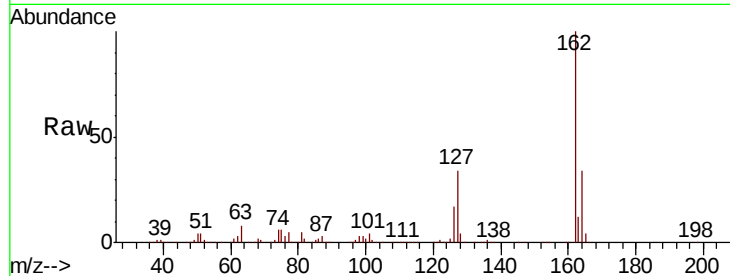
#47  
 2-Chloronaphthalene  
 Concen: 47.394 ng  
 RT: 13.44 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 162     | 100  |       |      |       |       |
| 127     | 34.0 |       | 27.6 | 41.4  |       |
| 164     | 33.7 |       | 27.3 | 40.9  |       |

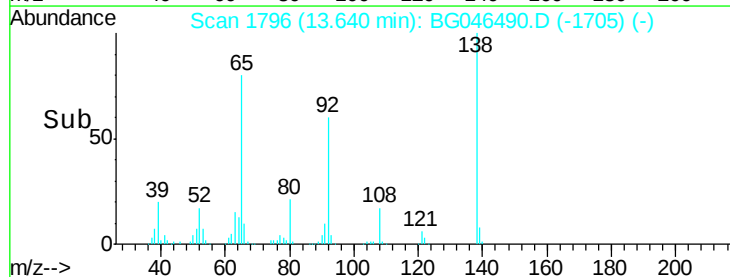
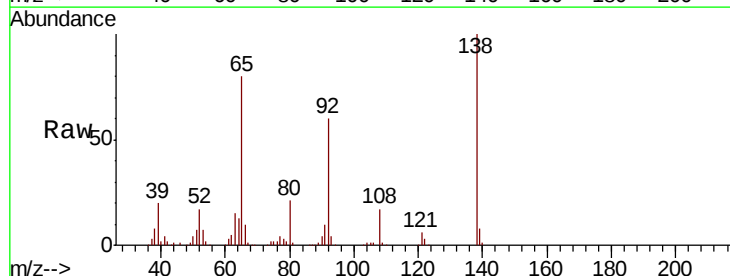
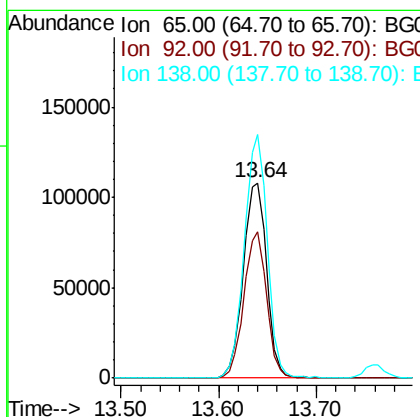
Manual Integrations  
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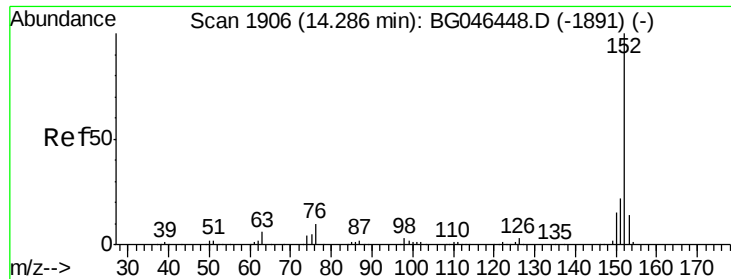
mohammad  
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#48  
 2-Nitroaniline  
 Concen: 55.098 ng  
 RT: 13.64 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ion   | Ratio | Resp | Lower | Upper |
|---------|-------|-------|------|-------|-------|
| 65      | 100   |       |      |       |       |
| 92      | 75.0  |       | 58.5 | 87.7  |       |
| 138     | 124.7 |       | 98.4 | 147.6 |       |





#49

Acenaphthylene

Concen: 52.464 ng

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

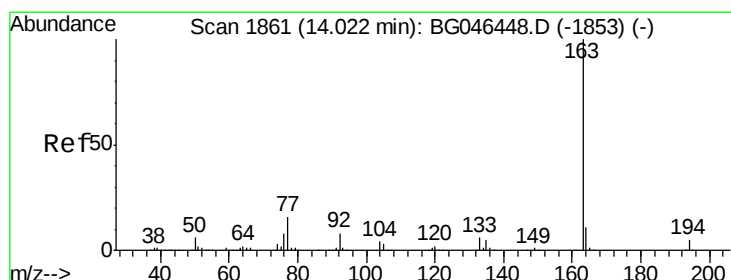
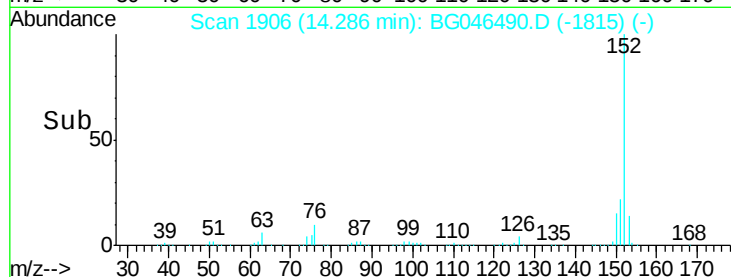
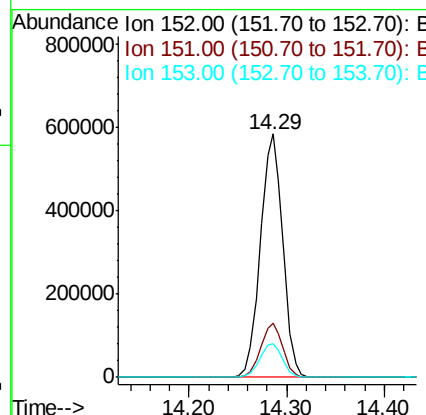
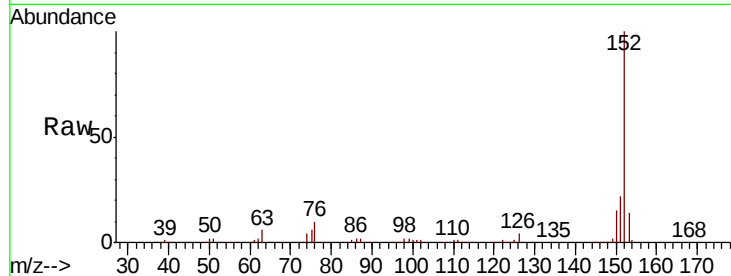
ClientSampleId :

TR-08-082820MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 943117 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 22.3  | 17.7  | 26.5   |
| 153       | 14.0  | 11.2  | 16.8   |

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#50

Dimethylphthalate

Concen: 53.783 ng

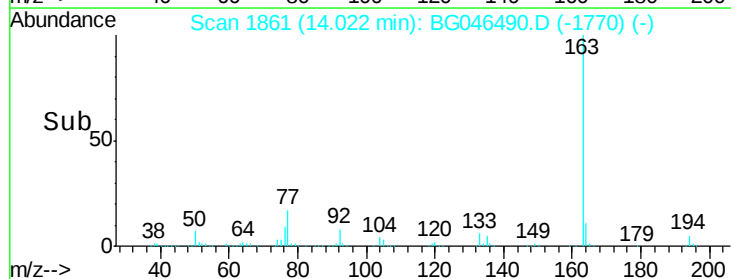
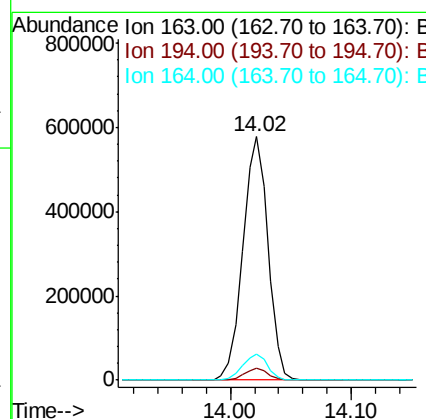
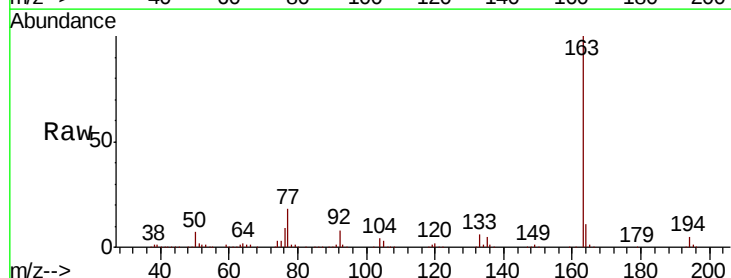
RT: 14.02 min Scan# 1861

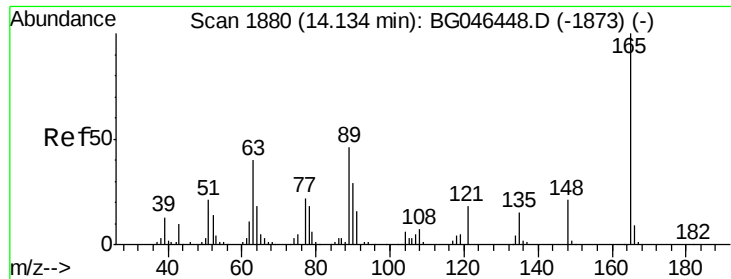
Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 835911 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.9   | 3.7   | 5.5    |
| 164       | 10.9  | 8.6   | 12.8   |





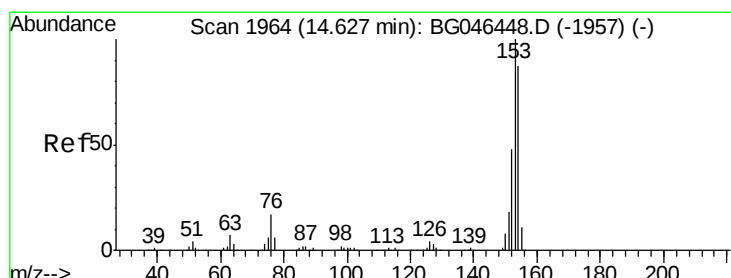
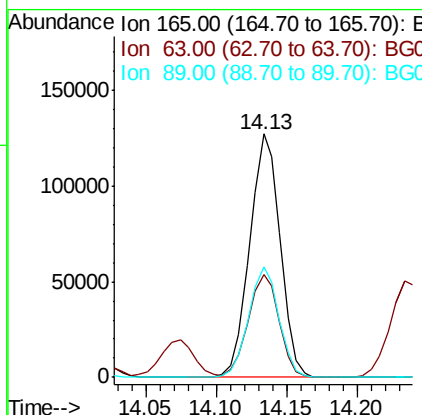
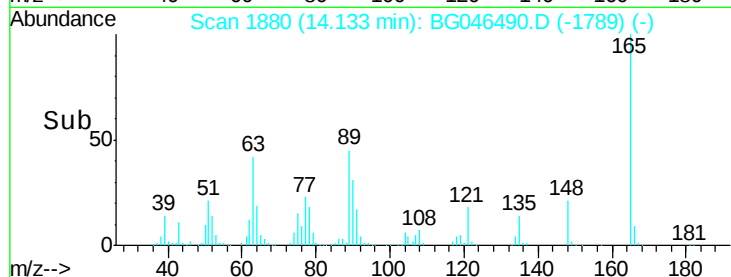
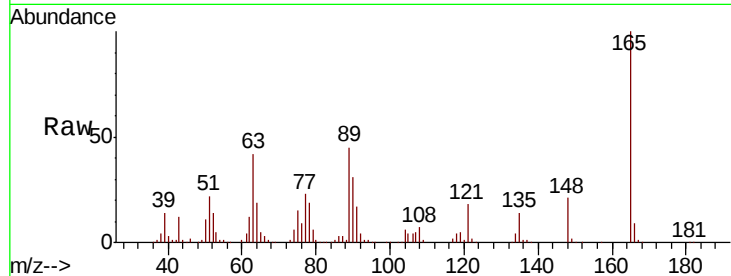
#51  
2,6-Dinitrotoluene  
Concen: 56.362 ng  
RT: 14.13 min Scan# 1880  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 193099 |       |       |
| 63      | 42.1  |        | 34.2  | 51.4  |
| 89      | 45.3  |        | 37.0  | 55.4  |

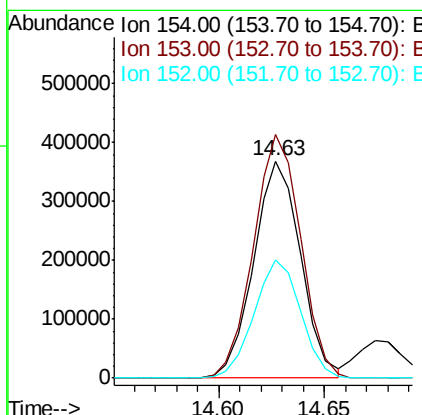
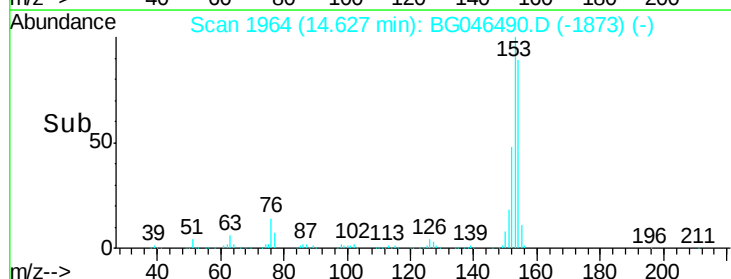
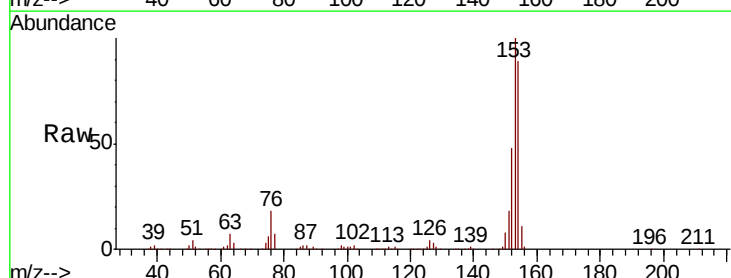
Manual Integrations  
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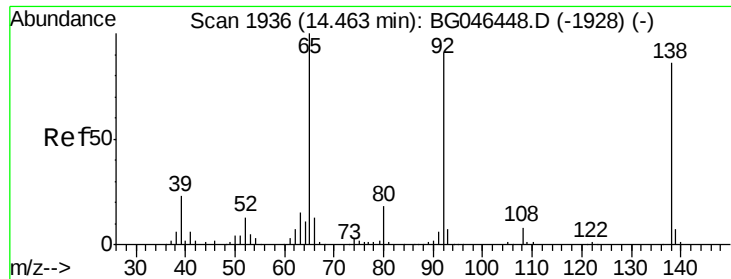
mohammad  
9/2/2020 1:58:12 PM



#52  
Acenaphthene  
Concen: 51.178 ng  
RT: 14.63 min Scan# 1964  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 570104 |       |       |
| 153     | 112.2 |        | 91.9  | 137.9 |
| 152     | 54.3  |        | 43.8  | 65.6  |





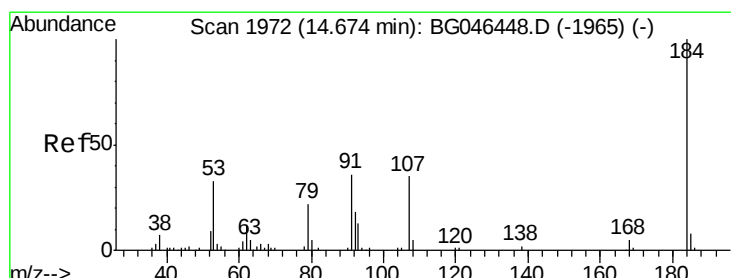
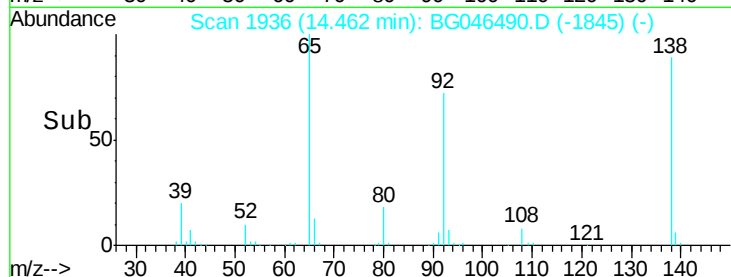
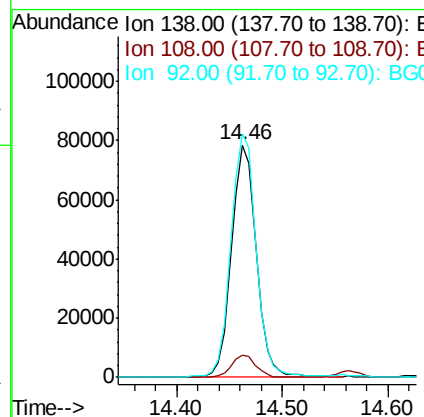
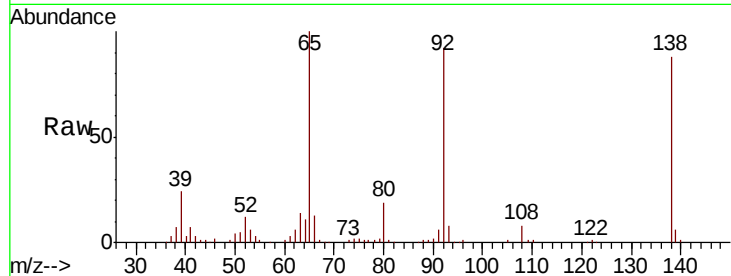
#53  
3-Nitroaniline  
Concen: 34.427 ng  
RT: 14.46 min Scan# 1936  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.4   | 7.0   | 10.6  |
| 92      | 104.9 | 84.6  | 127.0 |

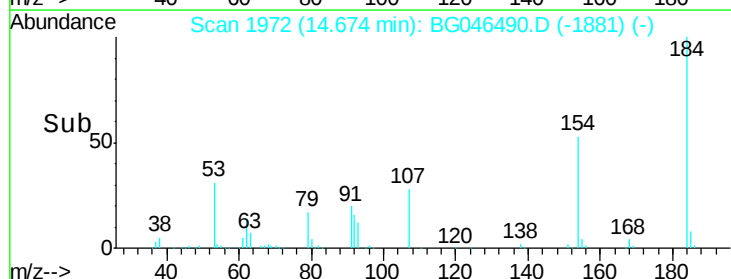
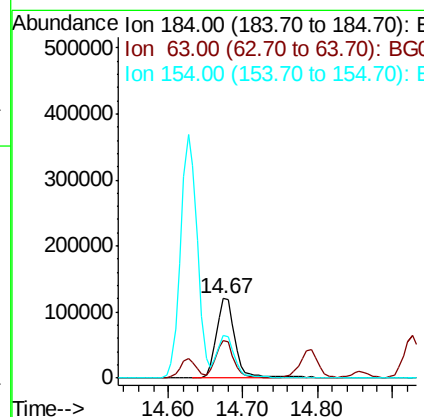
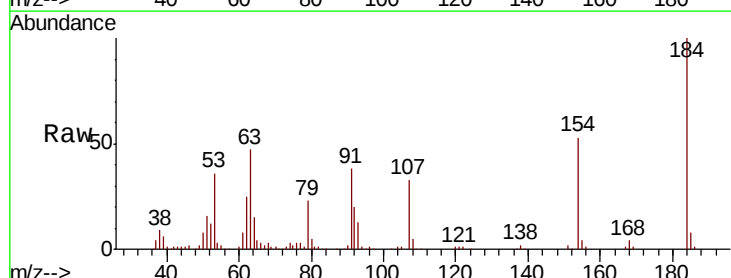
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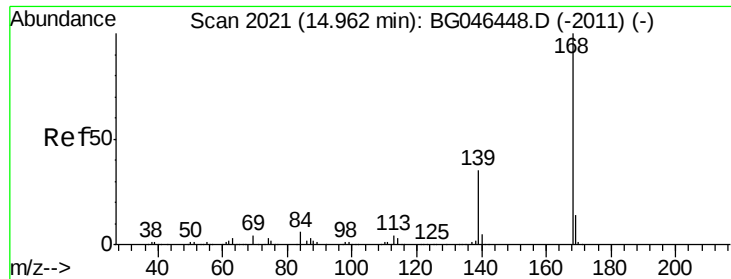
mohammad  
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#54  
2,4-Dinitrophenol  
Concen: 106.625 ng  
RT: 14.67 min Scan# 1972  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 46.9  | 35.6  | 53.4  |
| 154     | 53.2  | 44.3  | 66.5  |





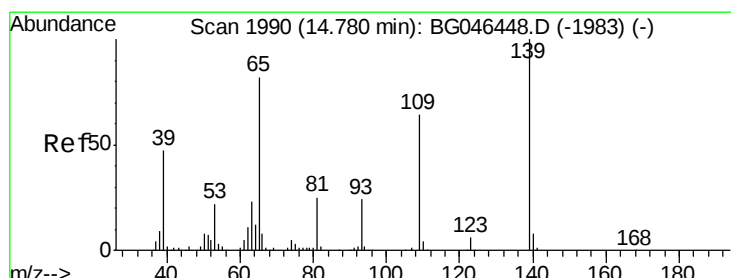
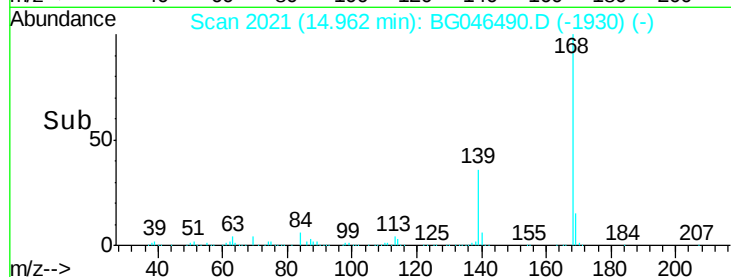
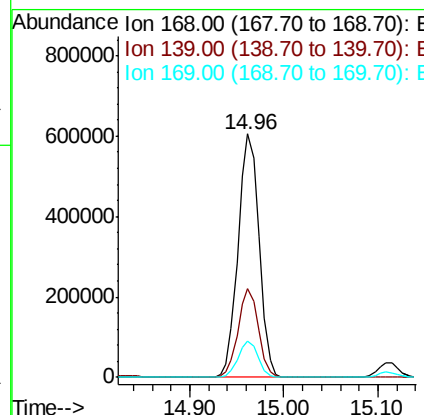
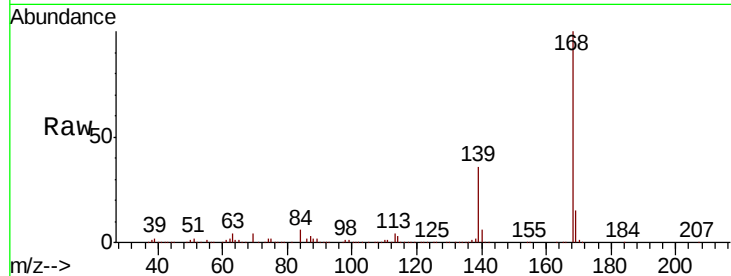
#55  
Dibenzenofuran  
Concen: 52.383 ng  
RT: 14.96 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.2  | 28.1  | 42.1  |
| 169     | 14.9  | 11.5  | 17.3  |

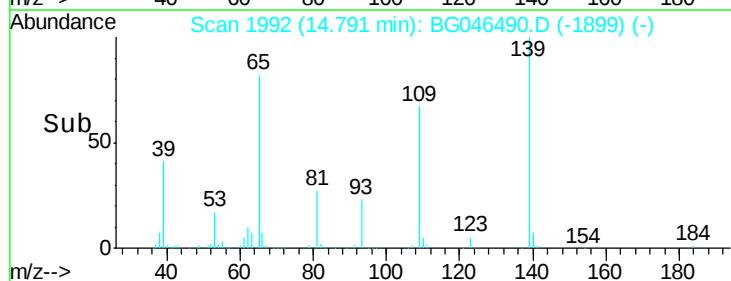
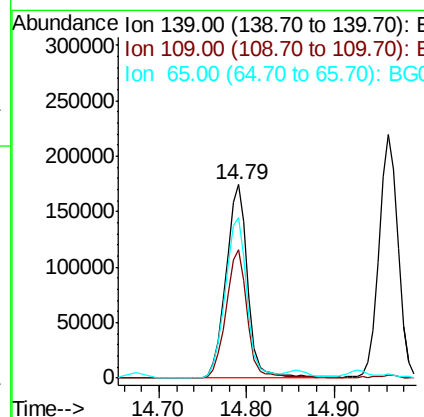
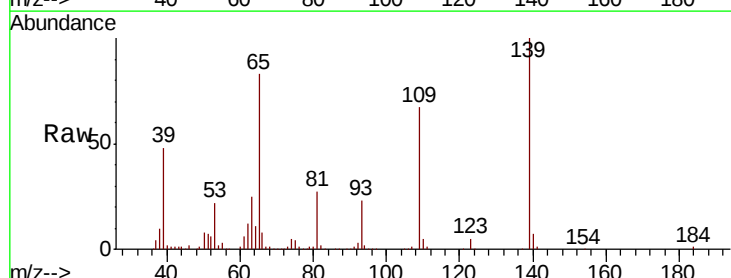
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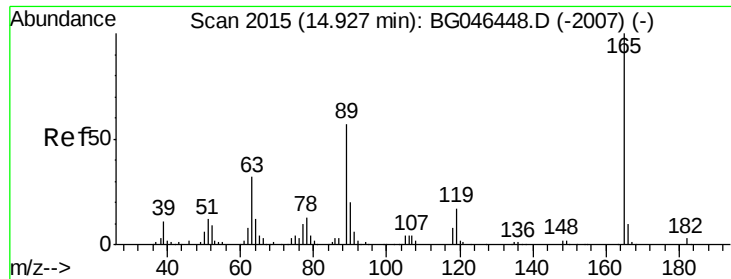
mohammad  
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#56  
4-Nitrophenol  
Concen: 110.355 ng  
RT: 14.79 min Scan# 1992  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 66.6  | 44.3  | 84.3  |
| 65      | 83.2  | 61.5  | 101.5 |





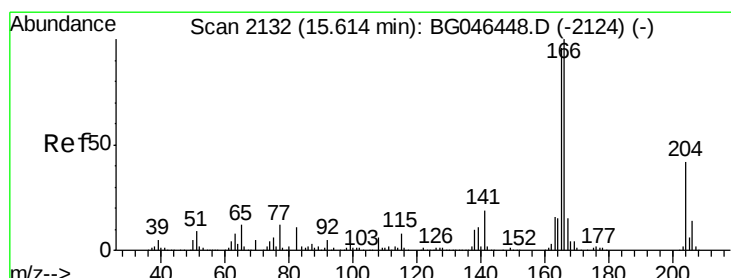
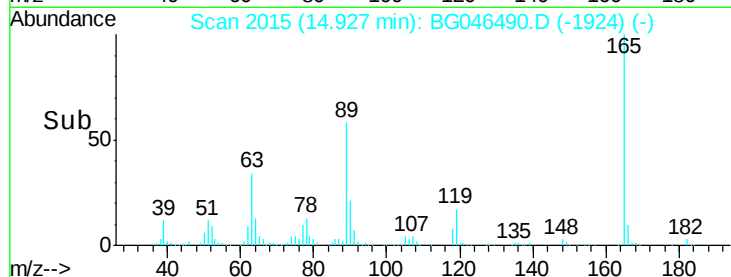
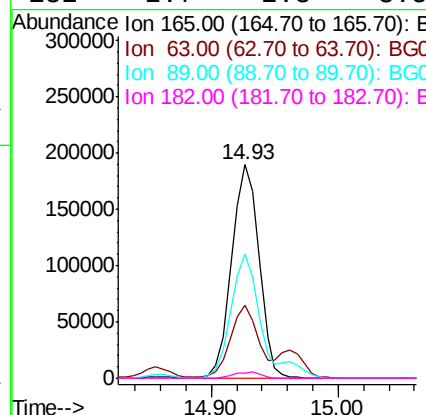
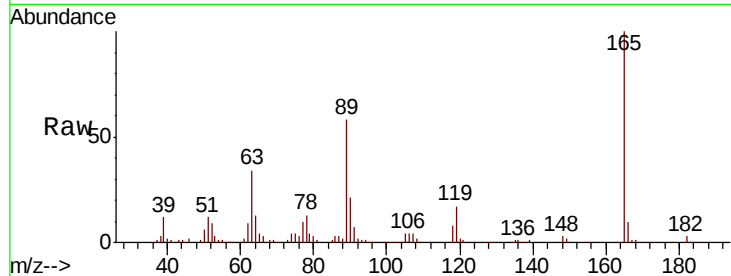
#57  
2,4-Dinitrotoluene  
Concen: 57.740 ng  
RT: 14.93 min Scan# 2015  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 282069 |       |       |
| 63      | 34.0  | 25.4   | 38.0  |       |
| 89      | 58.4  | 45.9   | 68.9  |       |
| 182     | 2.7   | 2.3    | 3.5   |       |

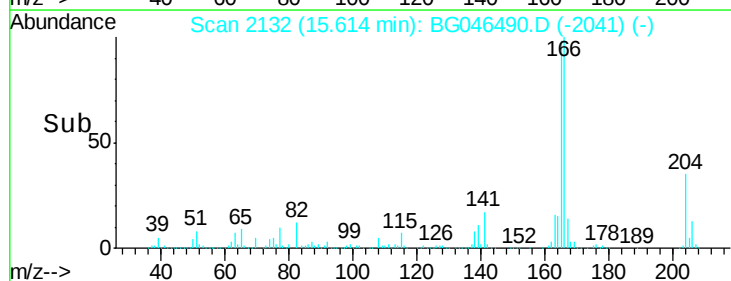
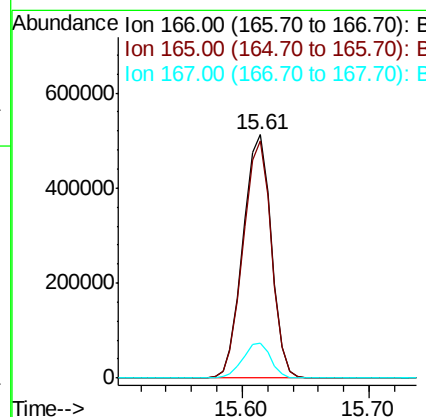
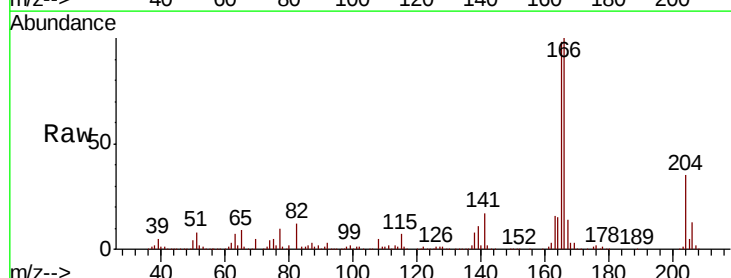
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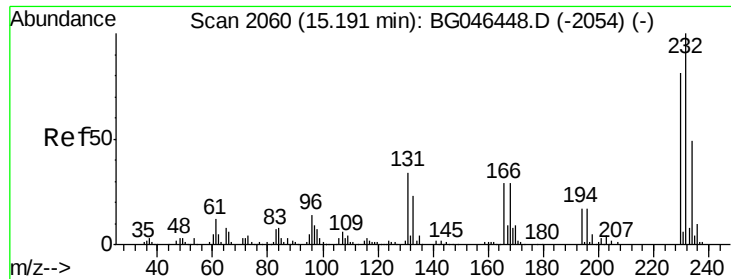
mohammad  
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#58  
Fluorene  
Concen: 52.758 ng  
RT: 15.61 min Scan# 2132  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 791612 |       |       |
| 165     | 97.6  | 77.0   | 115.4 |       |
| 167     | 14.4  | 11.8   | 17.6  |       |





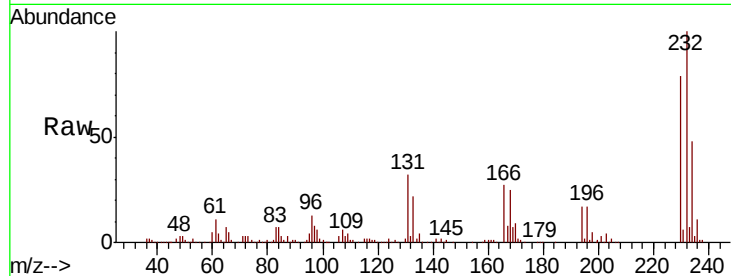
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 58.846 ng  
 RT: 15.20 min Scan# 2061  
 Delta R.T. 0.01 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

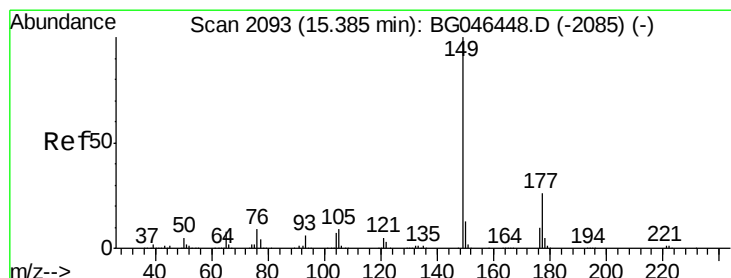
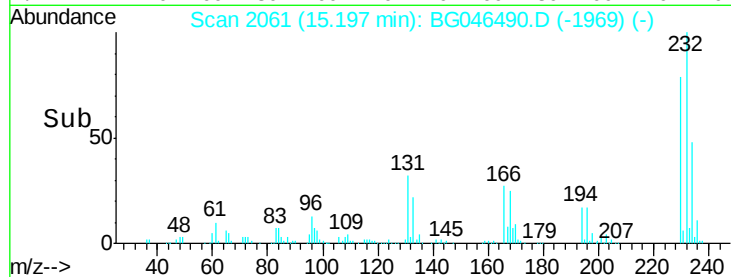
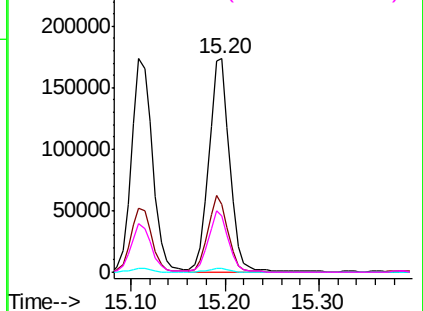
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 34.7  | 26.8  | 40.2  |
| 130     | 2.0   | 1.4   | 2.2   |
| 166     | 27.7  | 22.8  | 34.2  |

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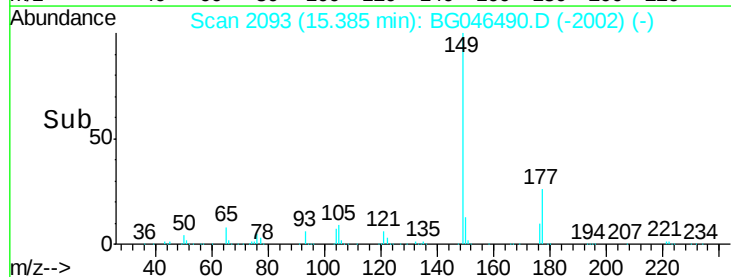
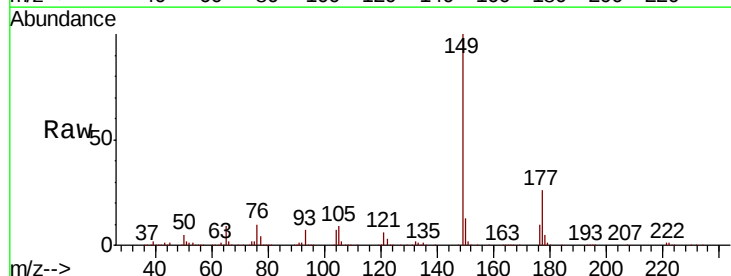
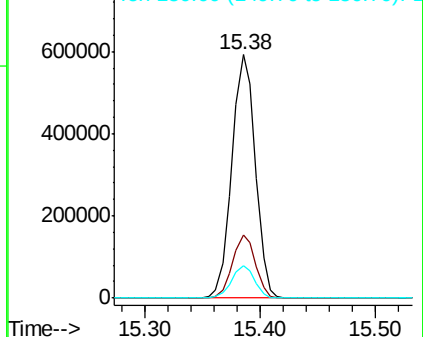
Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

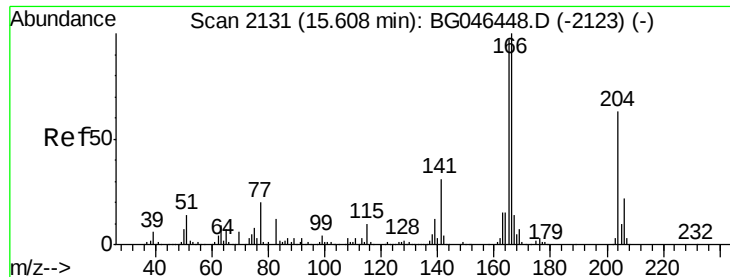


#60  
 Diethylphthalate  
 Concen: 54.772 ng  
 RT: 15.38 min Scan# 2093  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 26.0  | 20.6  | 30.8  |
| 150     | 13.4  | 10.3  | 15.5  |

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





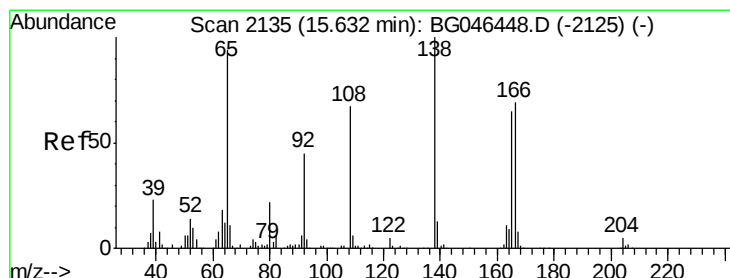
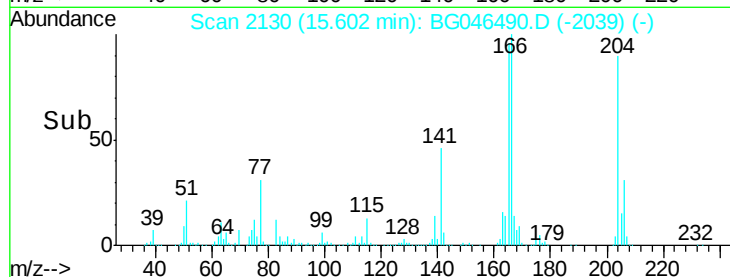
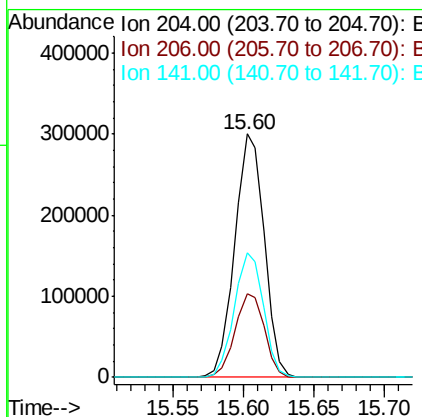
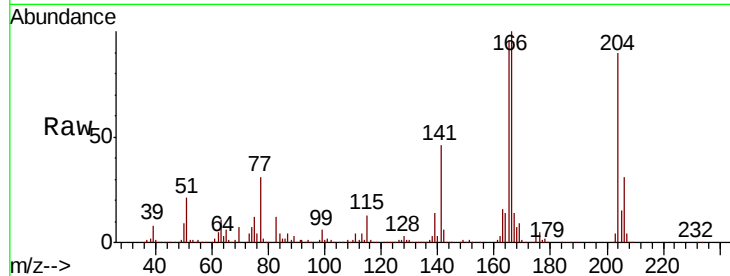
#61  
4-Chlorophenyl-phenylether  
Concen: 52.758 ng  
RT: 15.60 min Scan# 2130  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.5  | 27.7  | 41.5  |
| 141     | 51.3  | 38.7  | 58.1  |

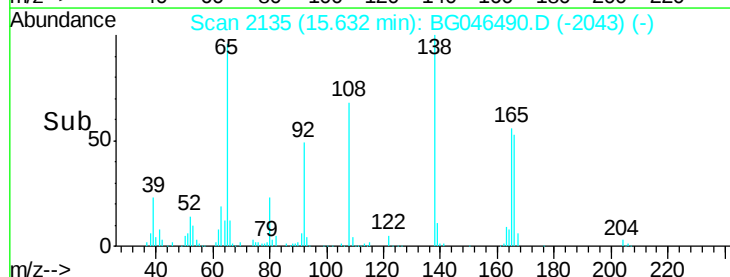
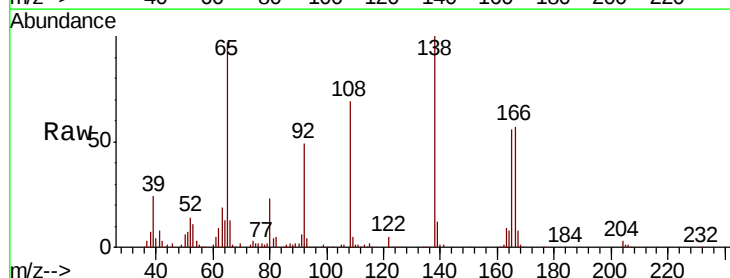
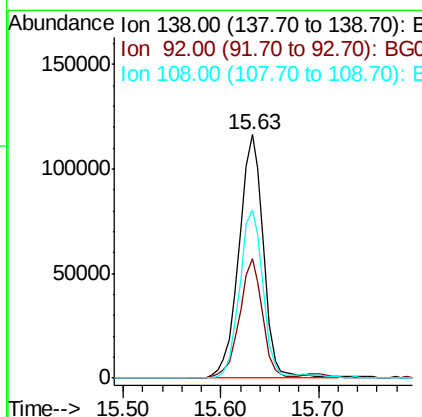
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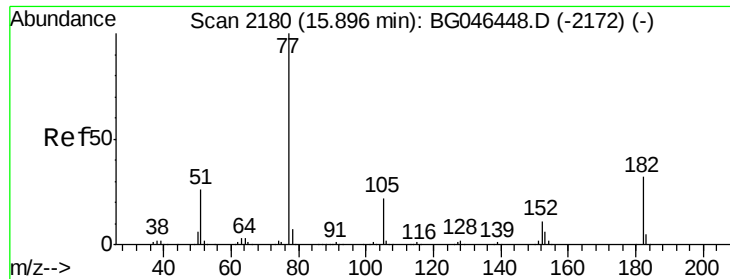
mohammad  
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#62  
4-Nitroaniline  
Concen: 51.618 ng  
RT: 15.63 min Scan# 2135  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.9  | 25.3  | 65.3  |
| 108     | 68.9  | 46.7  | 86.7  |





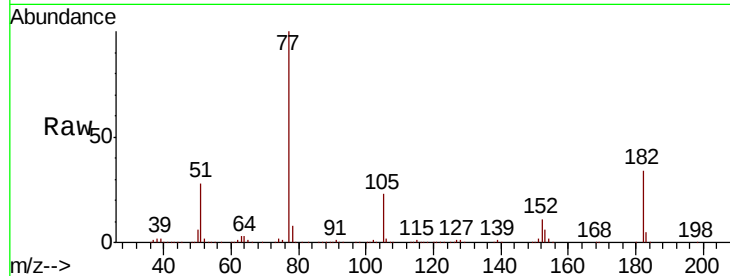
#63  
Azobenzene  
Concen: 55.466 ng  
RT: 15.90 min Scan# 2180  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

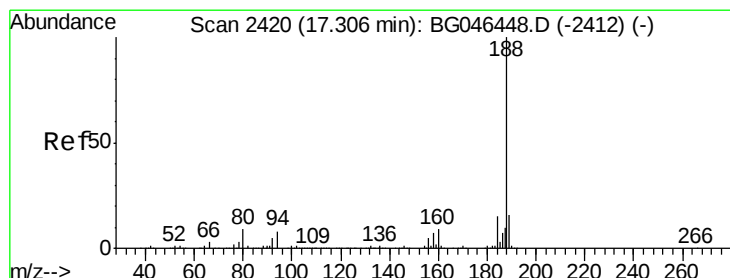
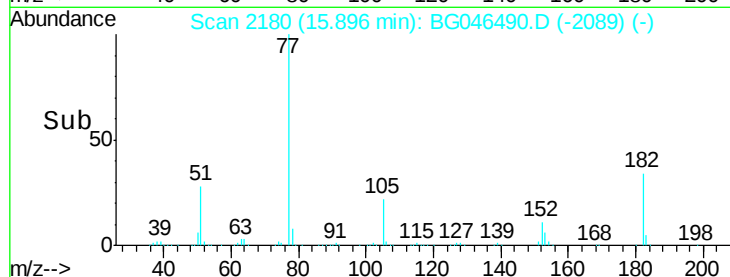
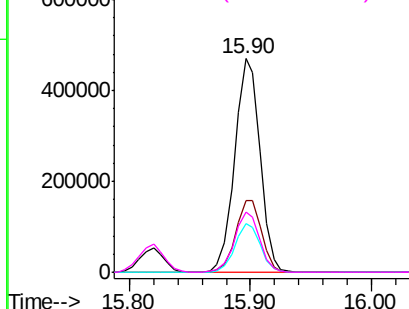
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 683699 |       |       |
| 182     | 33.6 | 12.3  | 52.3   |       |       |
| 105     | 22.7 | 2.3   | 42.3   |       |       |
| 51      | 28.1 | 6.5   | 46.5   |       |       |

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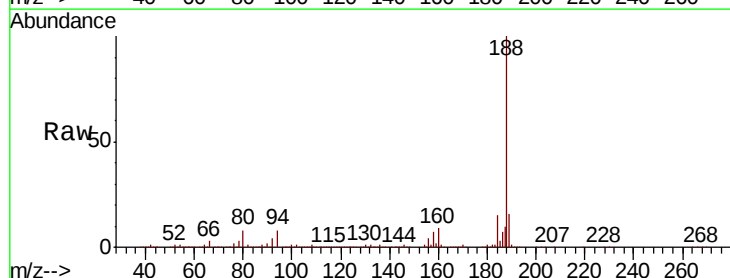


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

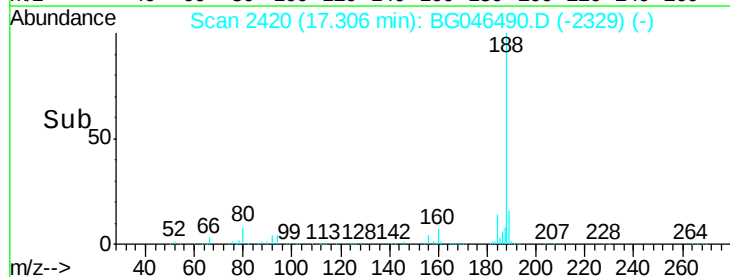
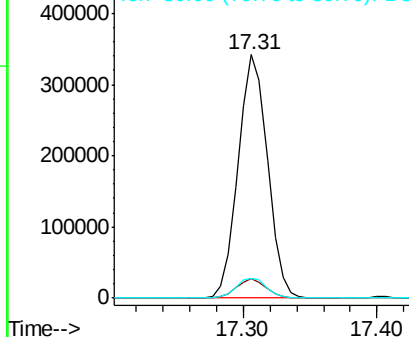


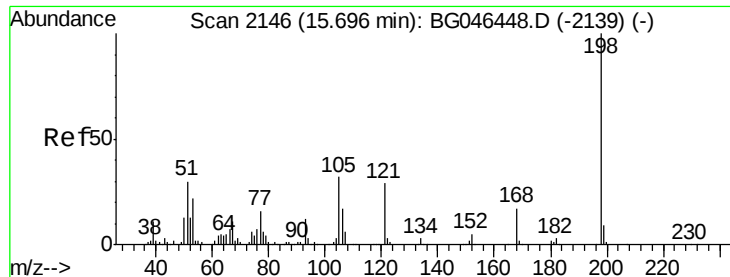
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.31 min Scan# 2420  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 188     | 100 |       | 520125 |       |       |
| 94      | 7.9 | 6.3   | 9.5    |       |       |
| 80      | 8.3 | 6.9   | 10.3   |       |       |



Abundance Ion 188.00 (187.70 to 188.70): BGC  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 59.801 ng

RT: 15.70 min Scan# 2146

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

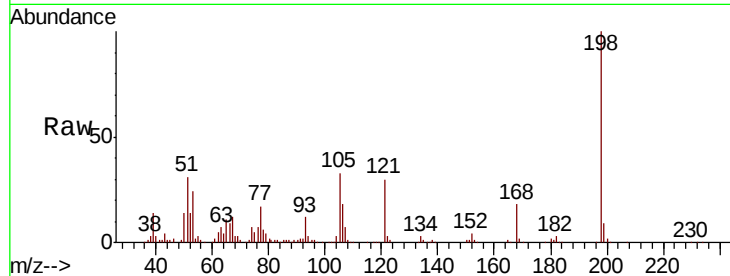
ClientSampleId :

TR-08-082820MSD

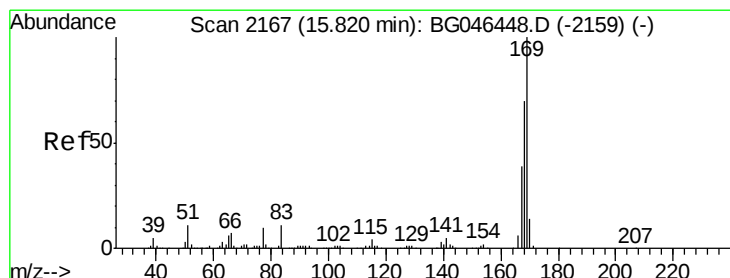
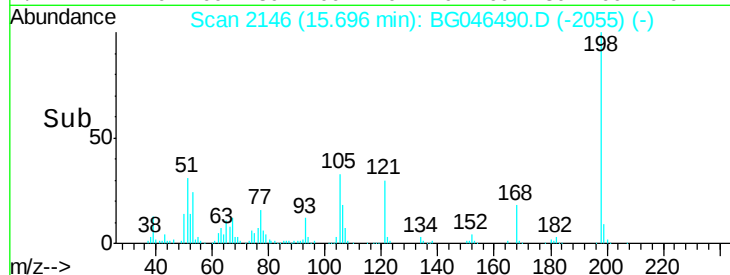
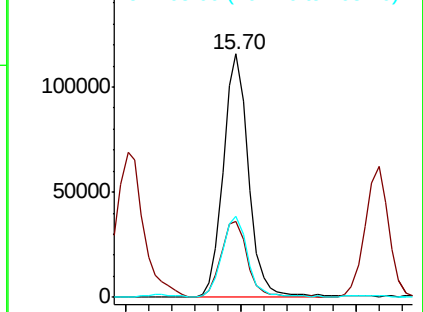
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 198   | Resp: | 176050 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 31.1  | 10.4  | 50.4   |
| 105       | 33.2  | 12.4  | 52.4   |

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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: 53.198 ng

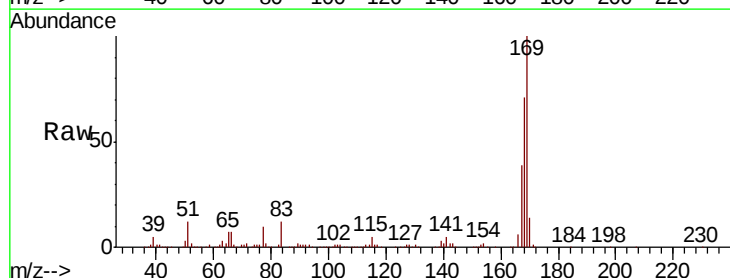
RT: 15.82 min Scan# 2167

Delta R.T. 0.00 min

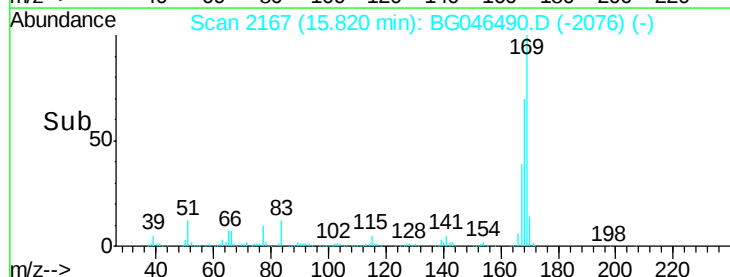
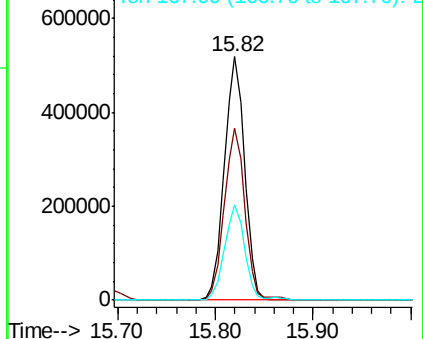
Lab File: BG046490.D

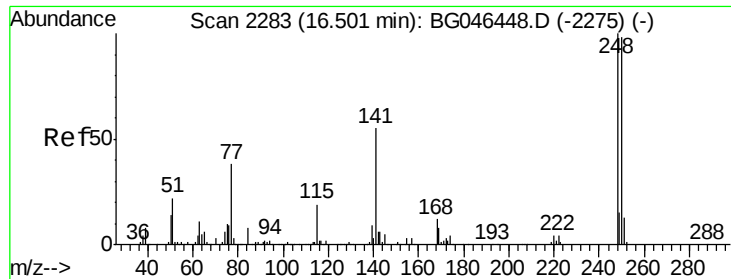
Acq: 1 Sep 2020 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 746464 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 70.6  | 55.8  | 83.8   |
| 167       | 39.2  | 31.0  | 46.6   |



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





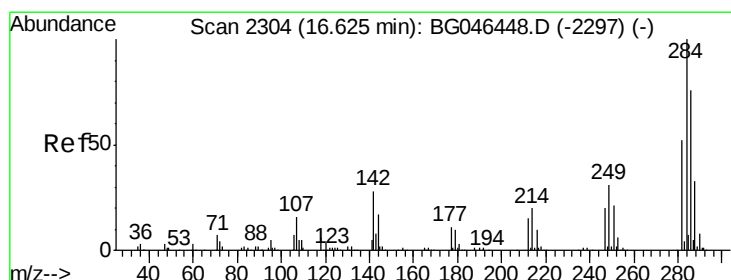
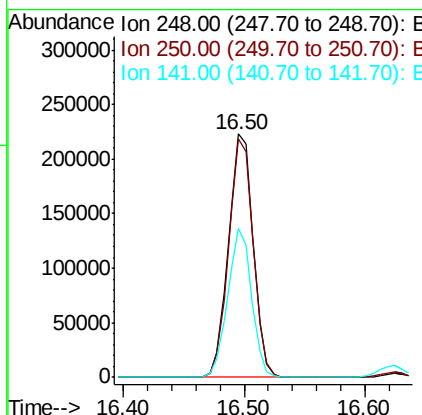
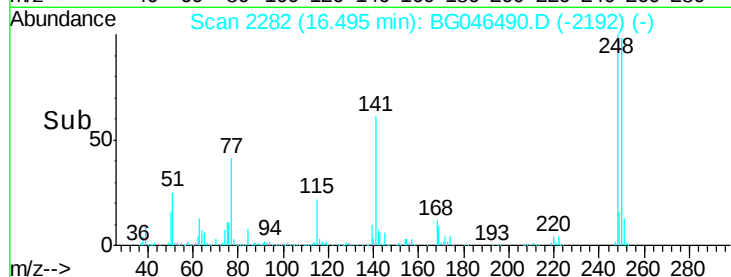
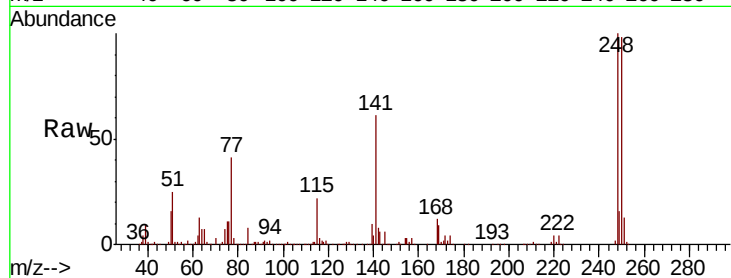
#67  
4-Bromophenyl-phenylether  
Concen: 52.233 ng  
RT: 16.50 min Scan# 2282  
Delta R.T. -0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.8  | 78.6  | 118.0 |
| 141     | 61.0  | 43.9  | 65.9  |

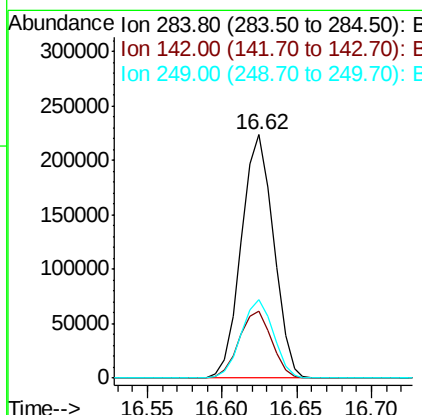
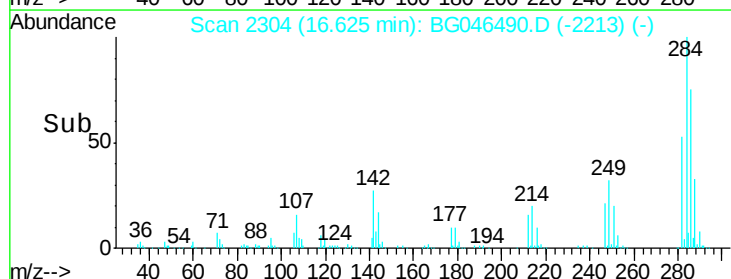
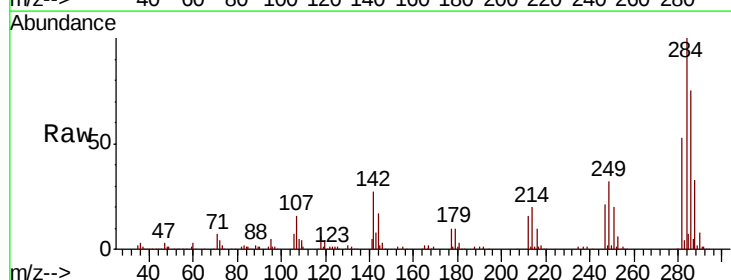
Manual Integrations  
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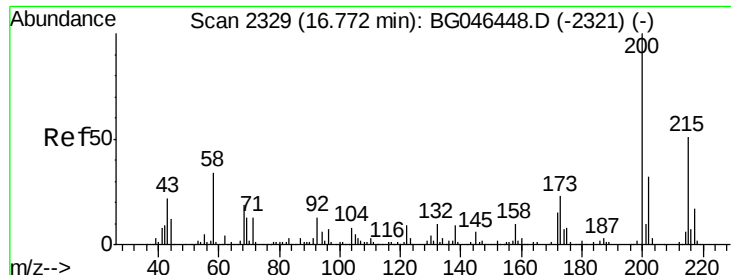
mohammad  
9/2/2020 1:58:12 PM



#68  
Hexachlorobenzene  
Concen: 49.912 ng  
RT: 16.62 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 27.3  | 22.3  | 33.5  |
| 249     | 32.2  | 24.8  | 37.2  |





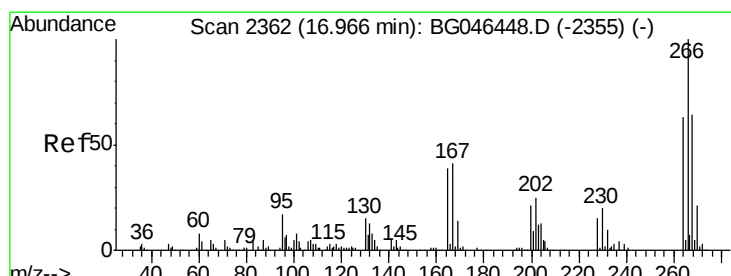
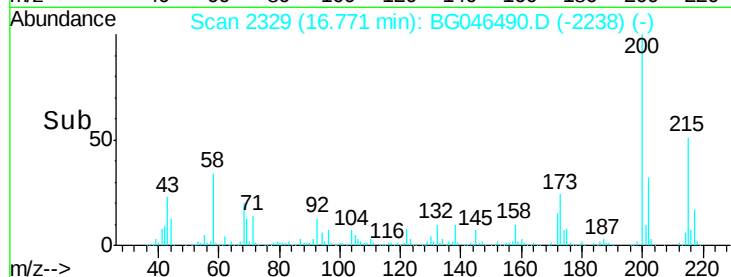
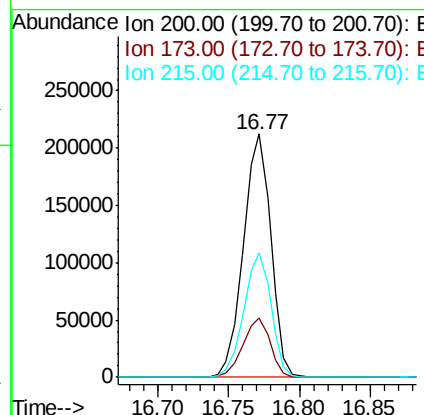
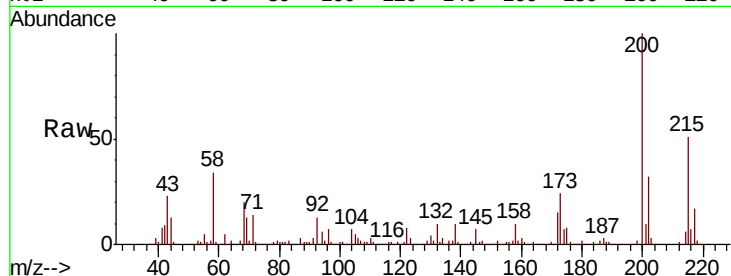
#69  
Atrazine  
Concen: 50.598 ng  
RT: 16.77 min Scan# 2329  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 289641 |       |       |
| 173     | 24.1  | 3.3    | 43.3  |       |
| 215     | 51.4  | 30.9   | 70.9  |       |

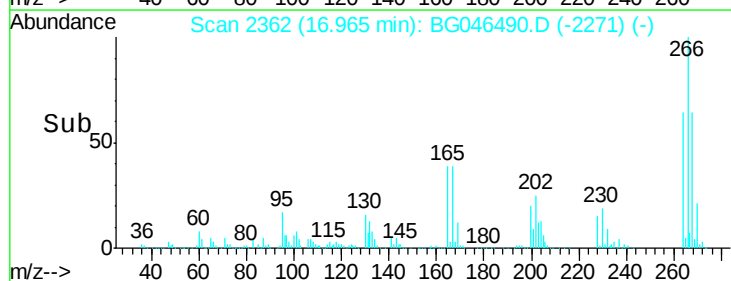
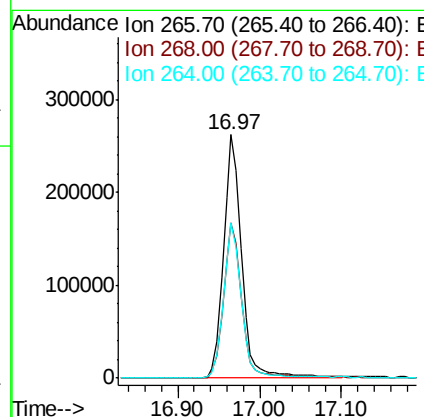
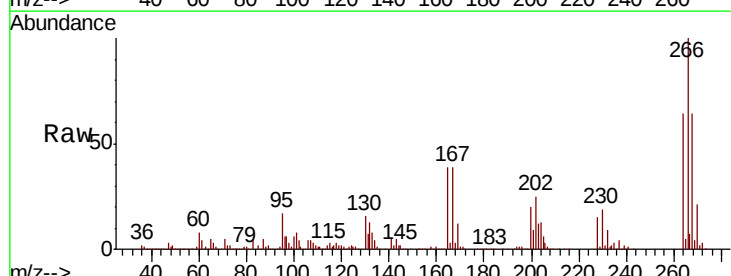
Manual Integrations  
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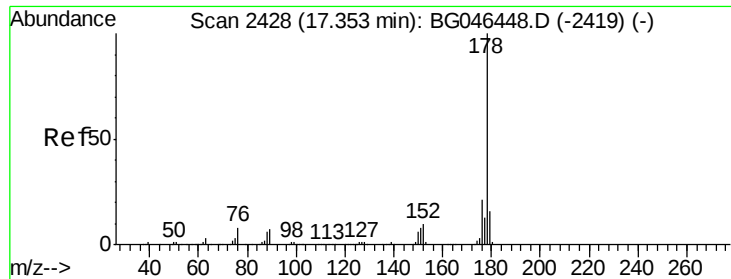
mohammad  
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#70  
Pentachlorophenol  
Concen: 116.055 ng  
RT: 16.97 min Scan# 2362  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 407499 |       |       |
| 268     | 63.7  | 51.1   | 76.7  |       |
| 264     | 63.7  | 50.2   | 75.2  |       |





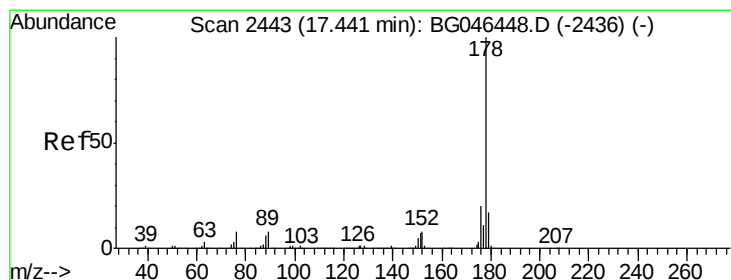
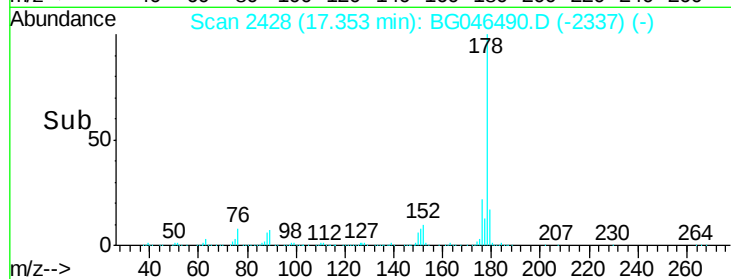
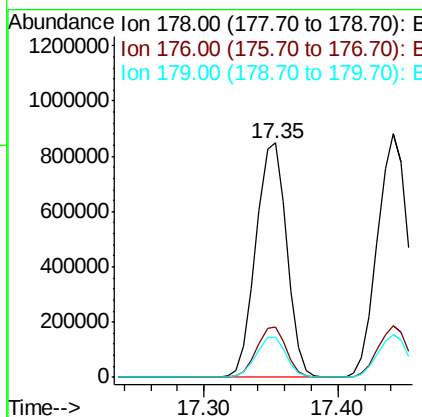
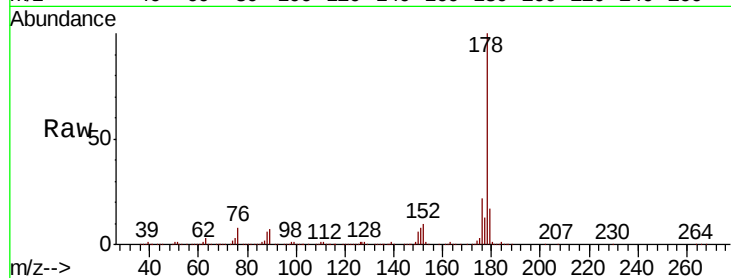
#71  
Phenanthrene  
Concen: 51.189 ng  
RT: 17.35 min Scan# 2428  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.6  | 16.8  | 25.2  |
| 179     | 17.3  | 13.2  | 19.8  |

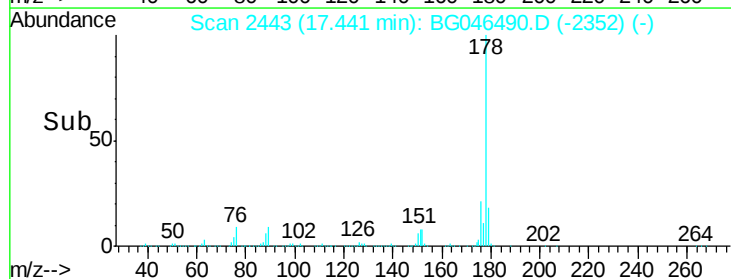
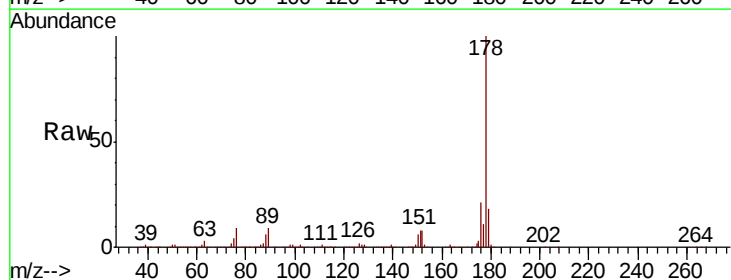
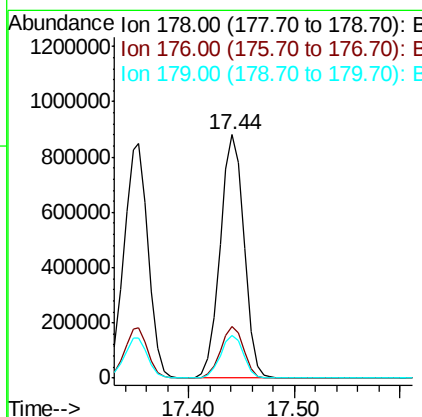
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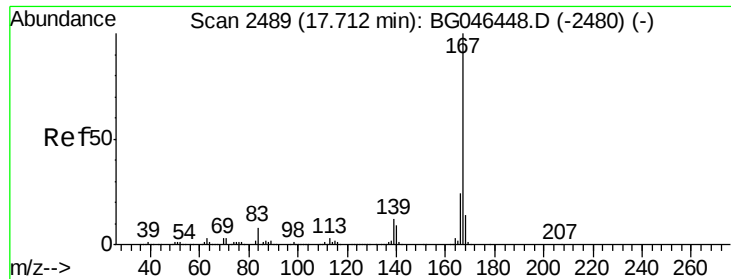
mohammad  
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#72  
Anthracene  
Concen: 53.090 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.0  | 16.1  | 24.1  |
| 179     | 17.7  | 13.3  | 19.9  |





#73

Carbazole

Concen: 52.318 ng

RT: 17.71 min Scan# 2488

Delta R.T. -0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

ClientSampleId :

TR-08-082820MSD

Tot Ion:167 Resp: 1284857

Ion Ratio Lower Upper

167 100

166 24.5 19.3 28.9

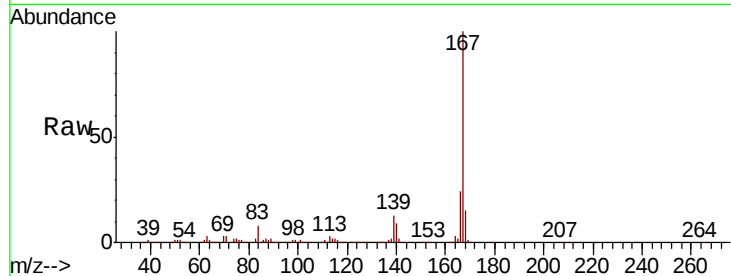
139 12.6 9.7 14.5

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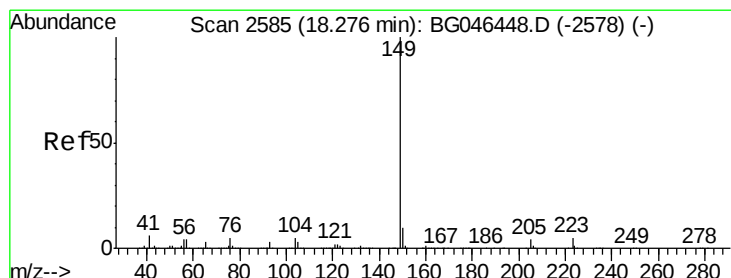
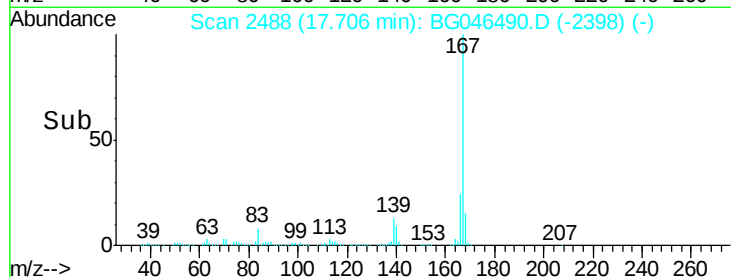
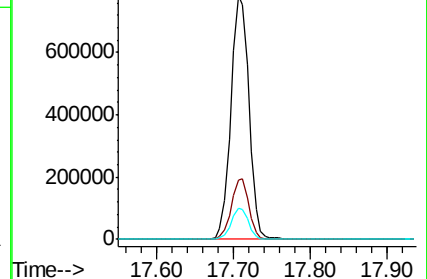
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 50.663 ng

RT: 18.28 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

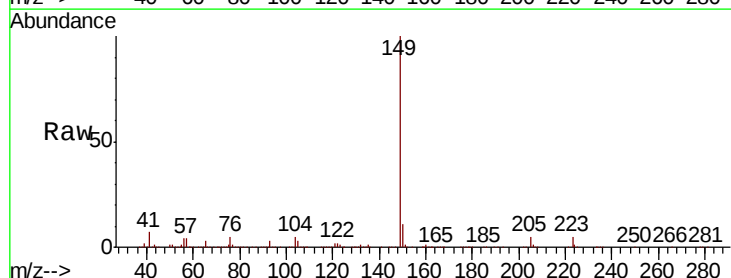
Tgt Ion:149 Resp: 1430718

Ion Ratio Lower Upper

149 100

150 10.9 8.1 12.1

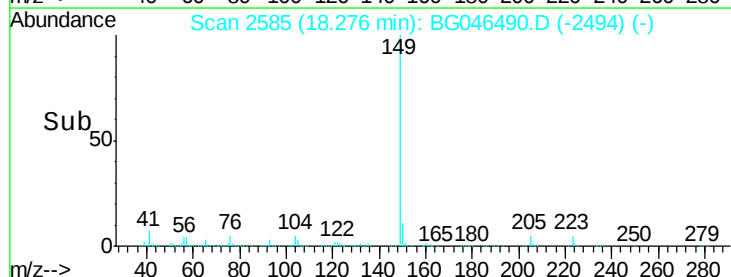
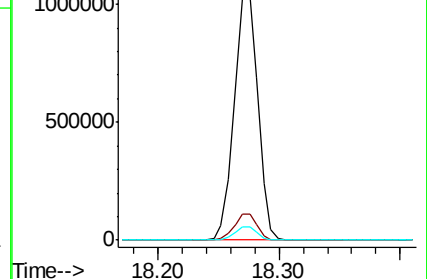
104 5.3 4.0 6.0

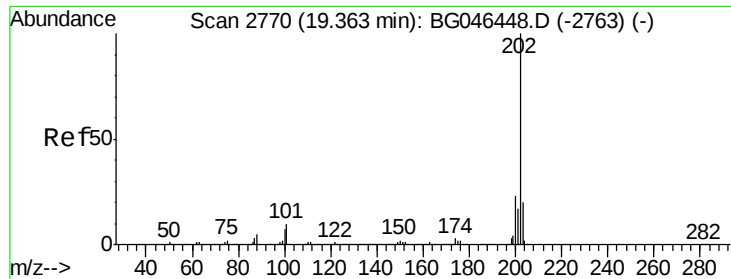


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 49.268 ng

RT: 19.36 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

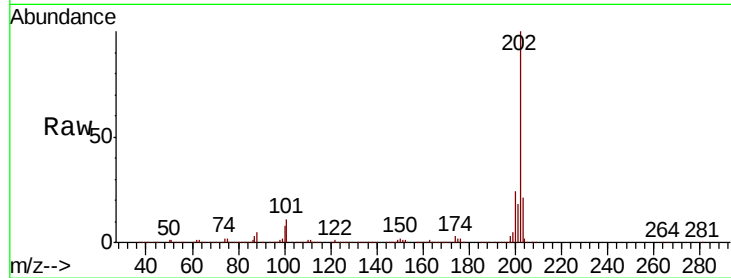
ClientSampleId :

TR-08-082820MSD

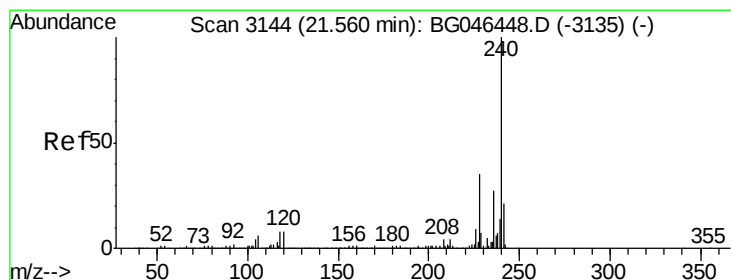
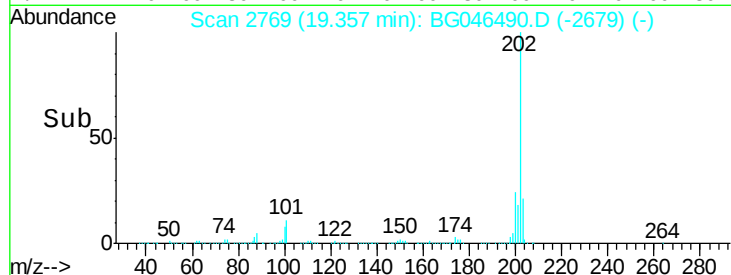
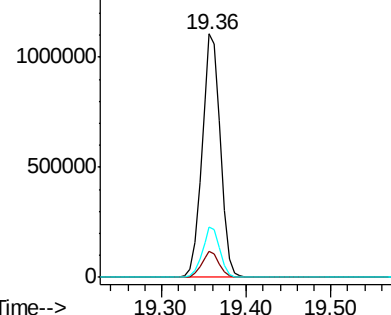
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1671517 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 10.9  | 0.0   | 29.9    |
| 203       | 20.6  | 0.0   | 40.0    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
1500000  
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

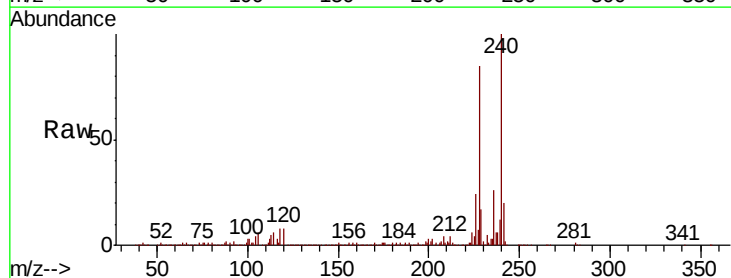
RT: 21.55 min Scan# 3143

Delta R.T. -0.00 min

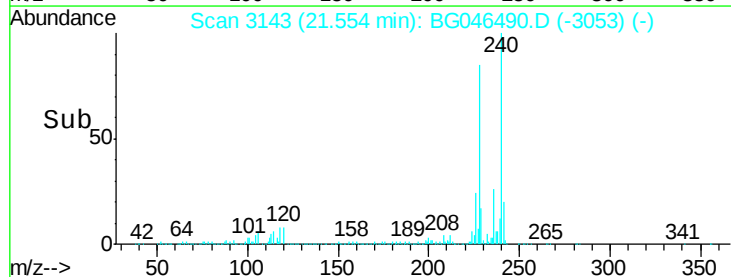
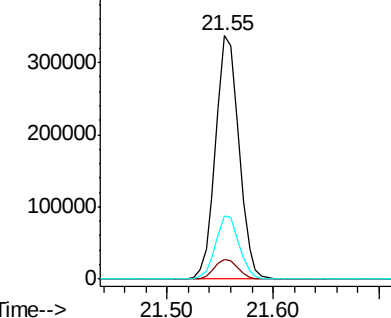
Lab File: BG046490.D

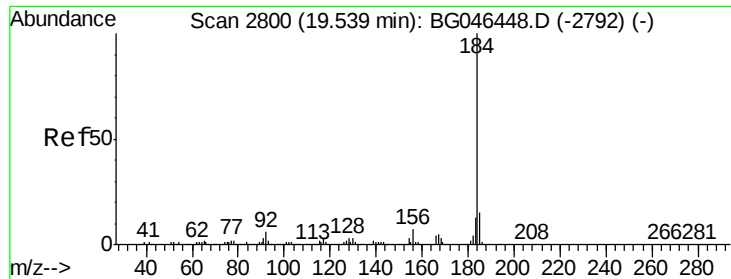
Acq: 1 Sep 2020 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 515546 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.1   | 6.6   | 10.0   |
| 236       | 26.2  | 21.4  | 32.2   |



Abundance Ion 240.00 (239.70 to 240.70): E  
400000  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.989 ng

RT: 19.54 min Scan# 2800

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

ClientSampleId :

TR-08-082820MSD

Tot Ion:184 Resp: 107680

Ion Ratio Lower Upper

184 100

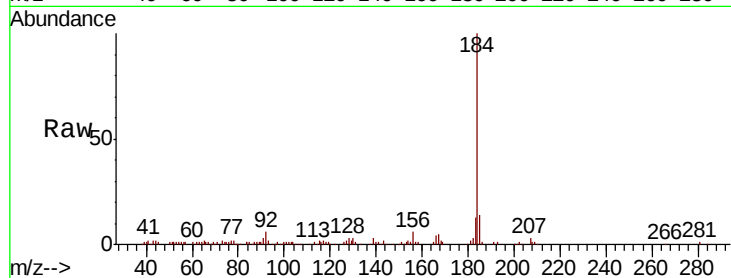
185 14.0 11.8 17.8

183 12.6 10.7 16.1

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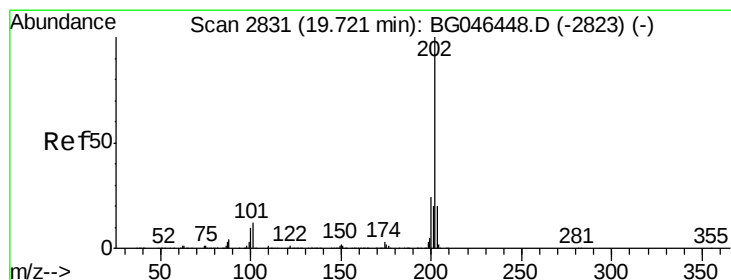
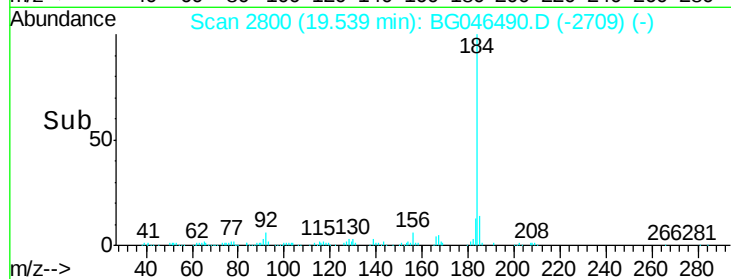
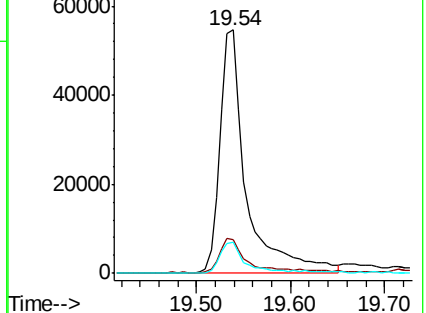
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.164 ng

RT: 19.72 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

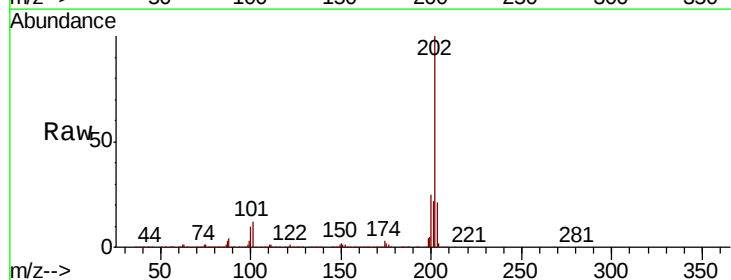
Tgt Ion:202 Resp: 1679680

Ion Ratio Lower Upper

202 100

200 25.0 18.9 28.3

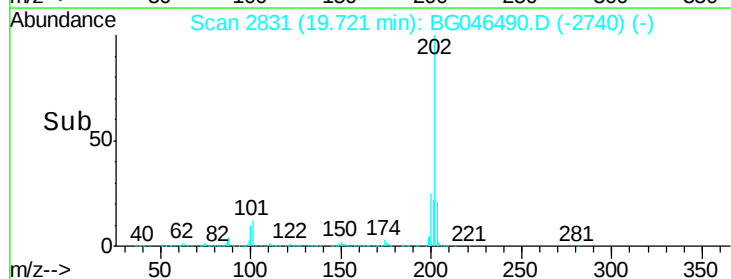
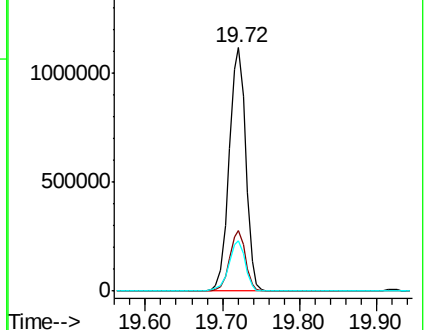
203 20.8 16.1 24.1

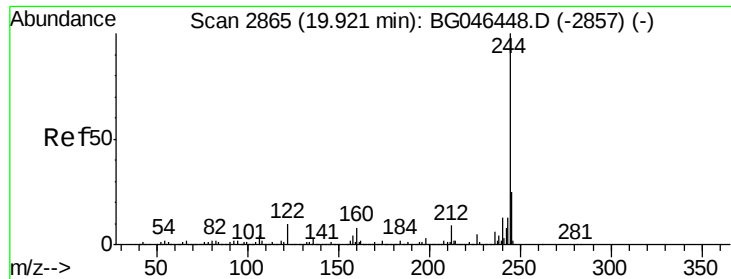


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





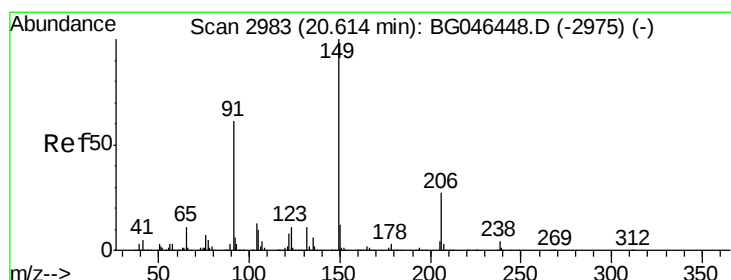
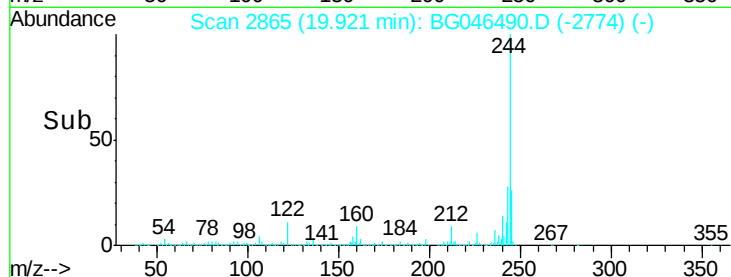
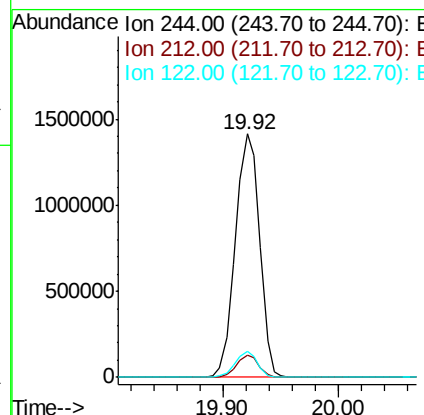
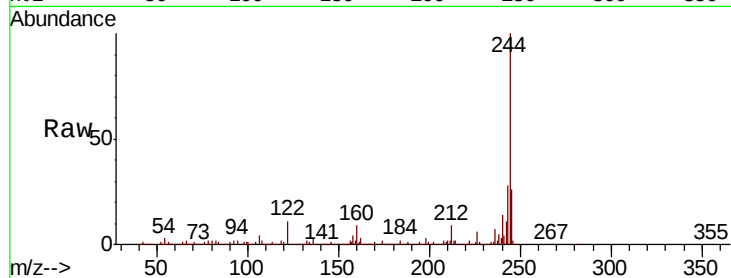
#79  
 Terphenyl-d14  
 Concen: 84.856 ng  
 RT: 19.92 min Scan# 2865  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.3   | 6.9   | 10.3  |
| 122     | 10.8  | 8.2   | 12.4  |

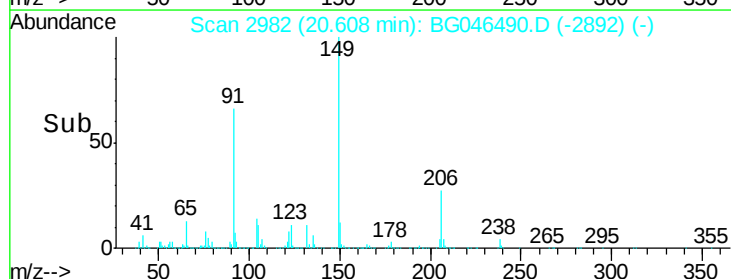
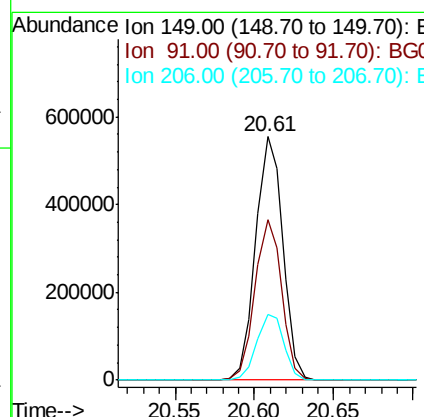
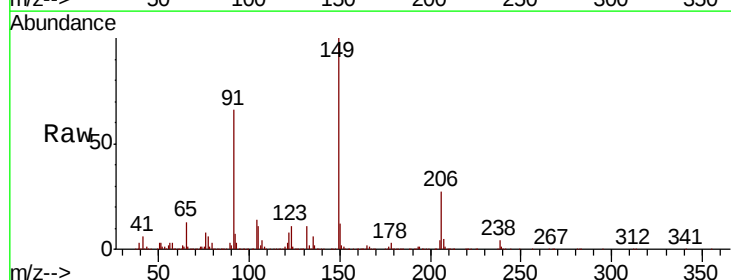
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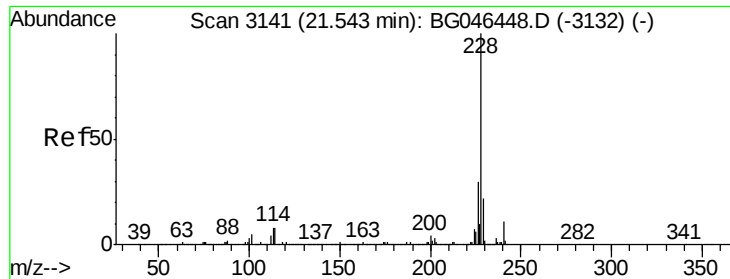
mohammad  
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#80  
 Butylbenzylphthalate  
 Concen: 51.708 ng  
 RT: 20.61 min Scan# 2982  
 Delta R.T. -0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 65.6  | 49.1  | 73.7  |
| 206     | 26.9  | 21.9  | 32.9  |





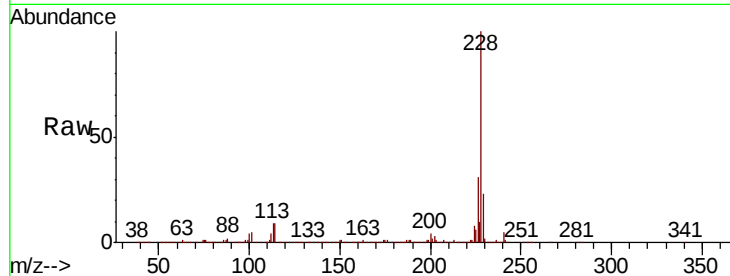
#81  
Benzo(a)anthracene  
Concen: 50.895 ng  
RT: 21.54 min Scan# 3140  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

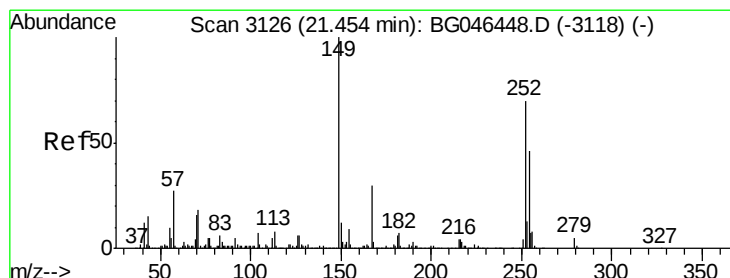
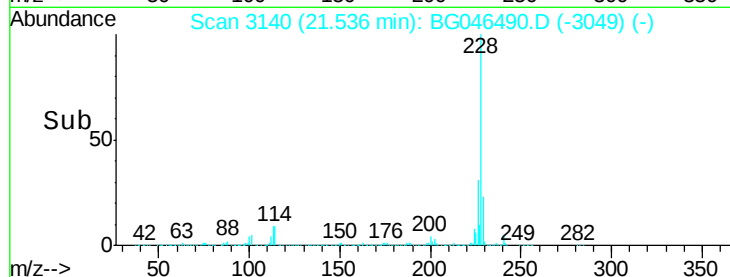
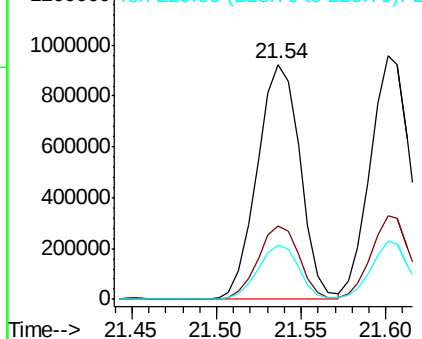
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 24.2  | 36.4  |
| 229     | 22.8  | 17.4  | 26.2  |

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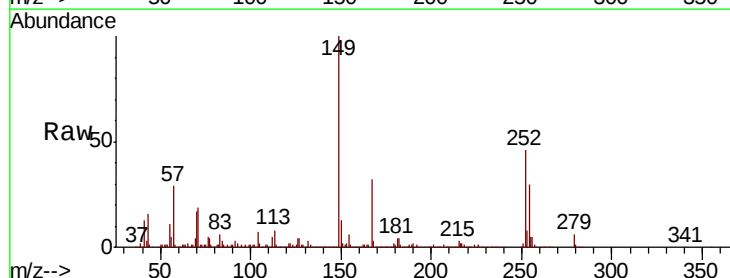


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

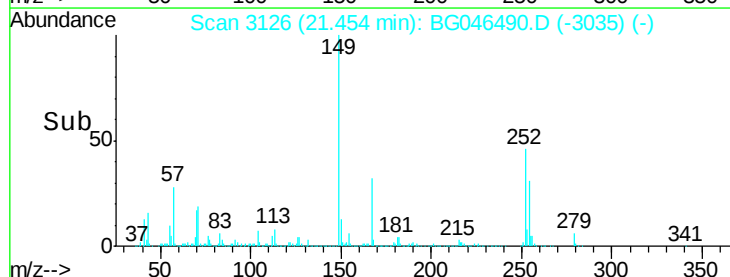
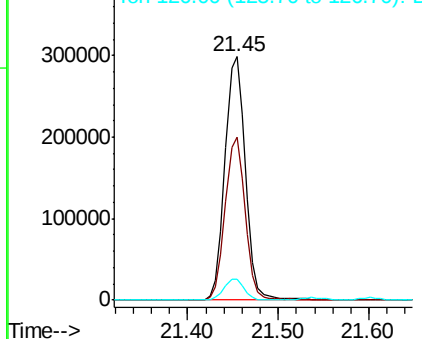


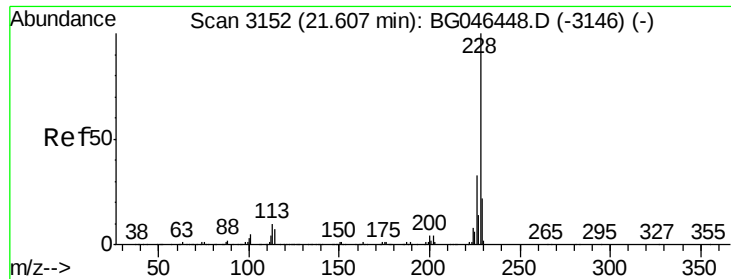
#82  
3,3'-Dichlorobenzidine  
Concen: 39.283 ng  
RT: 21.45 min Scan# 3126  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.8  | 51.9  | 77.9  |
| 126     | 8.4   | 7.4   | 11.0  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





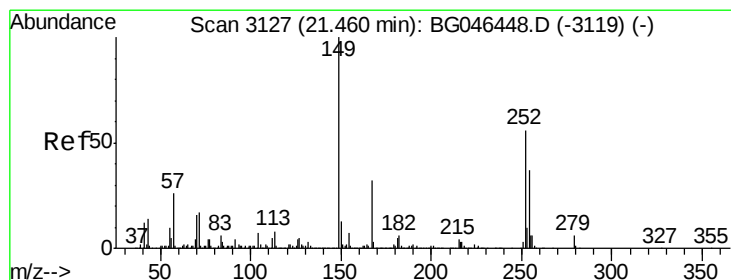
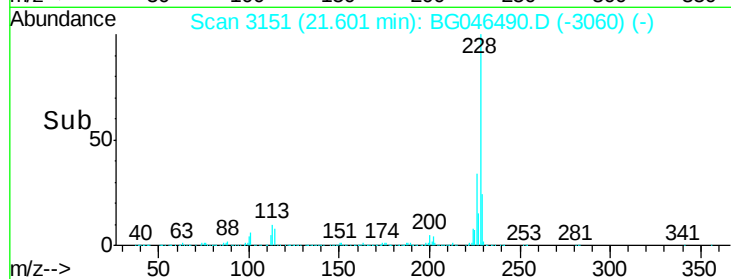
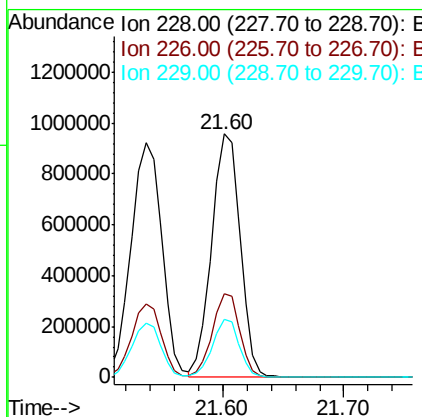
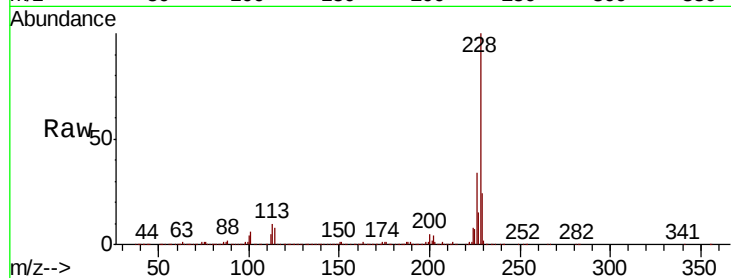
#83  
Chrysene  
Concen: 50.473 ng  
RT: 21.60 min Scan# 3151  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

Tot Ion:228 Resp: 1560128  
Ion Ratio Lower Upper  
228 100  
226 34.4 26.2 39.4  
229 23.6 17.9 26.9

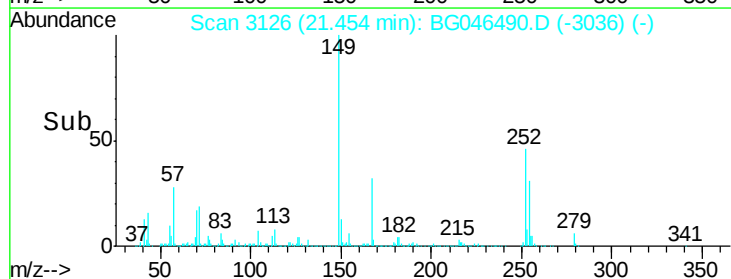
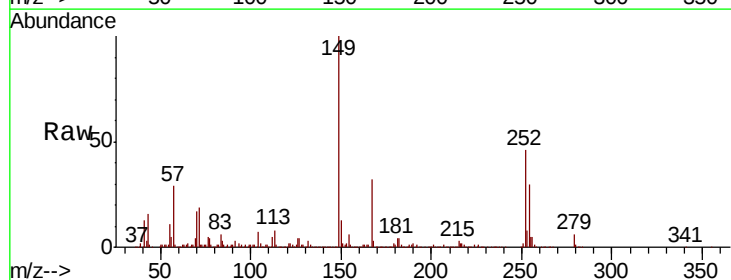
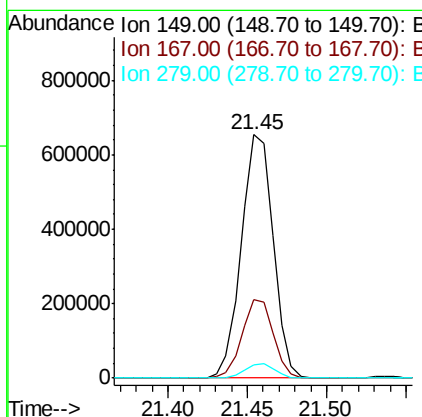
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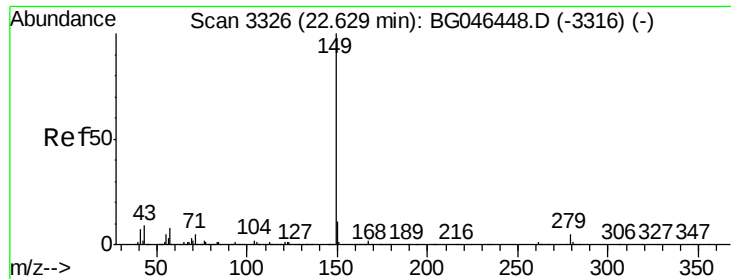
mohammad  
9/2/2020 1:58:12 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.306 ng  
RT: 21.45 min Scan# 3126  
Delta R.T. -0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Tgt Ion:149 Resp: 914046  
Ion Ratio Lower Upper  
149 100  
167 32.0 25.4 38.2  
279 5.6 4.5 6.7





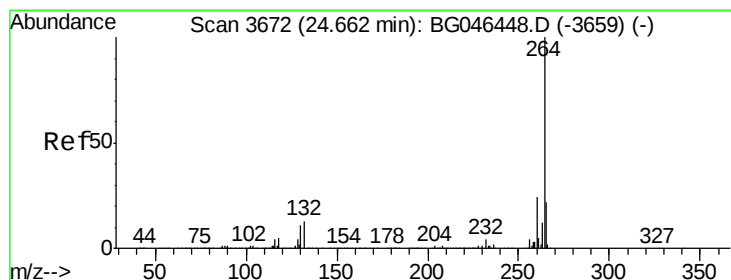
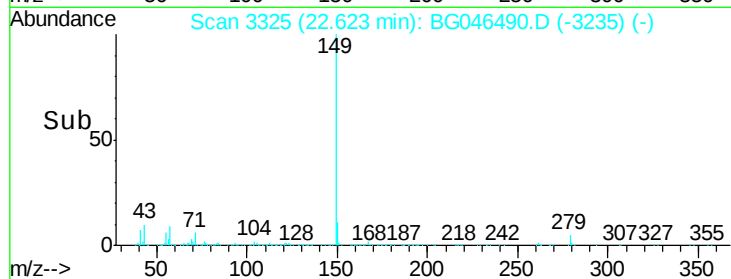
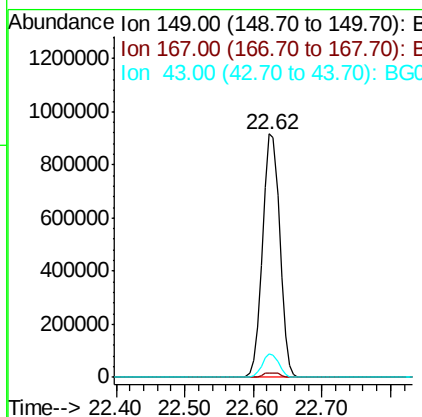
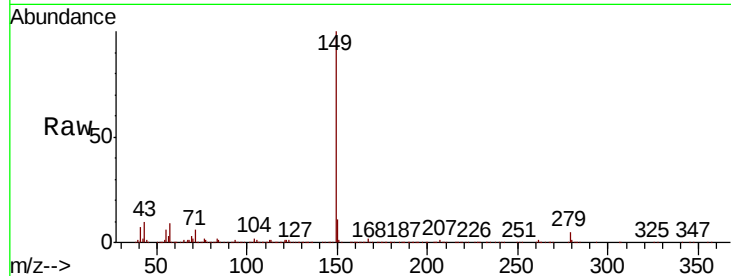
#85  
Di-n-octyl phthalate  
Concen: 53.168 ng  
RT: 22.62 min Scan# 3325  
Delta R.T. -0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.9   | 1.5   | 2.3   |
| 43      | 9.1   | 7.0   | 10.4  |

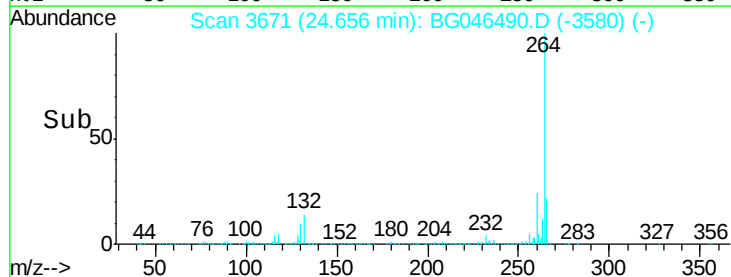
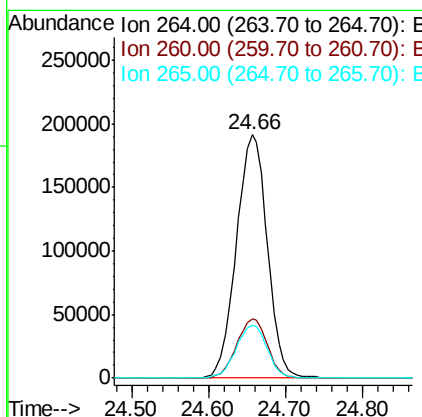
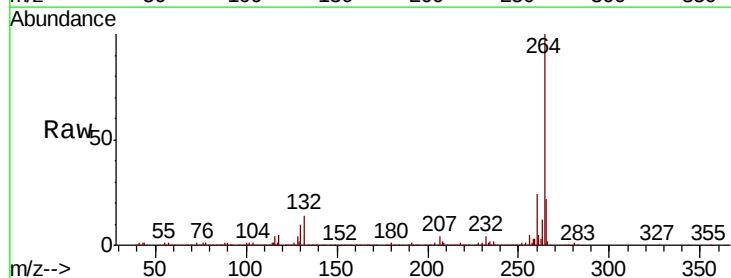
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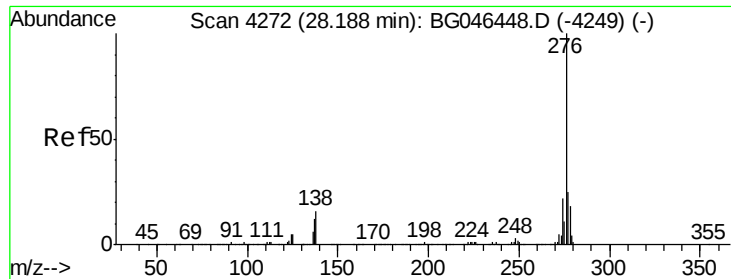
mohammad  
9/2/2020 1:58:12 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.66 min Scan# 3671  
Delta R.T. 0.00 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.2  | 28.8  |
| 265     | 22.0  | 17.9  | 26.9  |





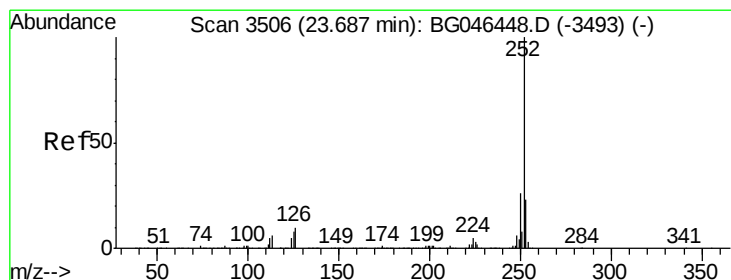
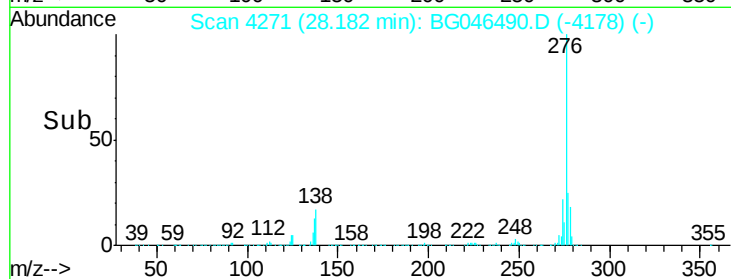
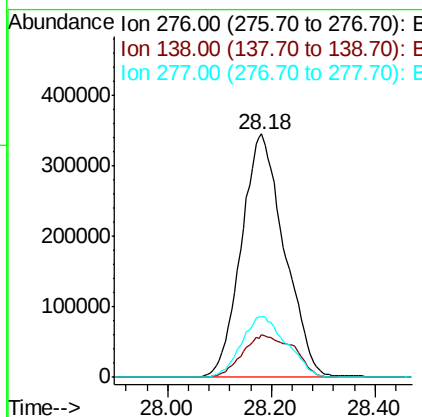
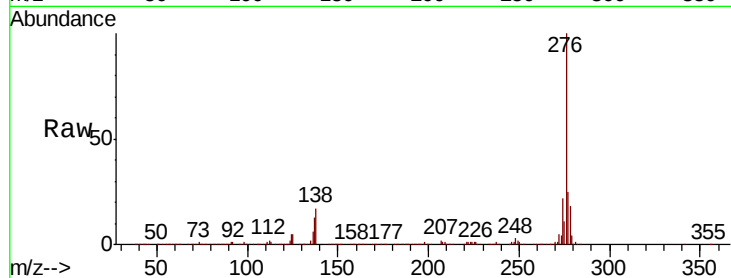
#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 51.605 ng  
 RT: 28.18 min Scan# 4271  
 Delta R.T. 0.01 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.9  | 16.5  | 24.7  |
| 277     | 26.3  | 20.7  | 31.1  |

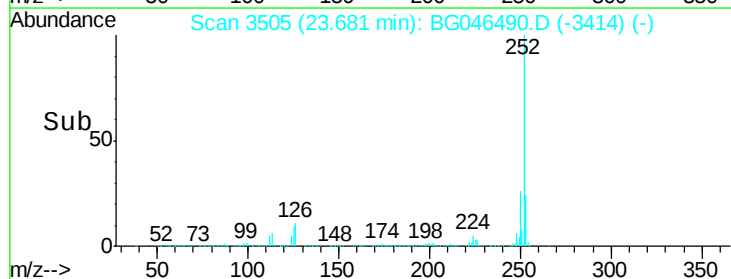
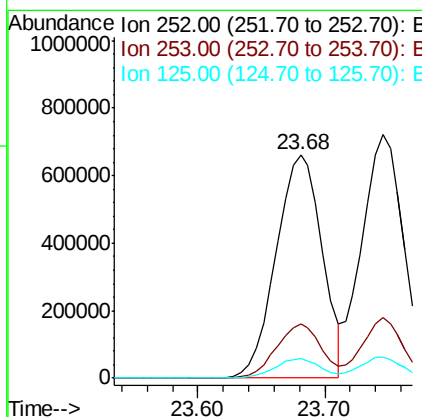
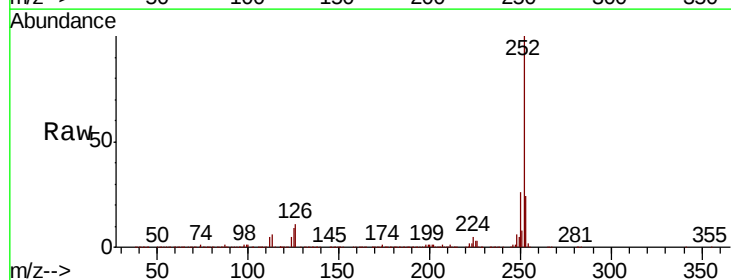
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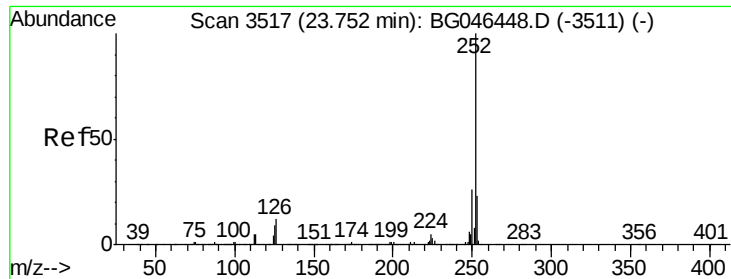
mohammad  
 9/2/2020 1:58:12 PM



#88  
 Benzo(b)fluoranthene  
 Concen: 49.649 ng  
 RT: 23.68 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: BG046490.D  
 Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 18.2  | 27.4  |
| 125     | 8.7   | 6.2   | 9.2   |





#89

Benzo(k)fluoranthene

Concen: 50.929 ng

RT: 23.75 min Scan# 3516

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

Instrument :

BNA\_G

ClientSampleId :

TR-08-082820MSD

Tot Ion:252 Resp: 1655202

Ion Ratio Lower Upper

252 100

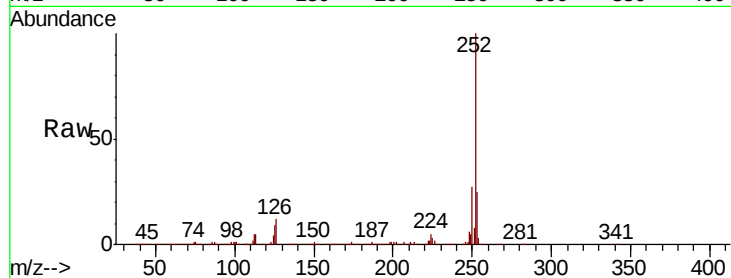
253 24.8 18.5 27.7

125 8.7 6.8 10.2

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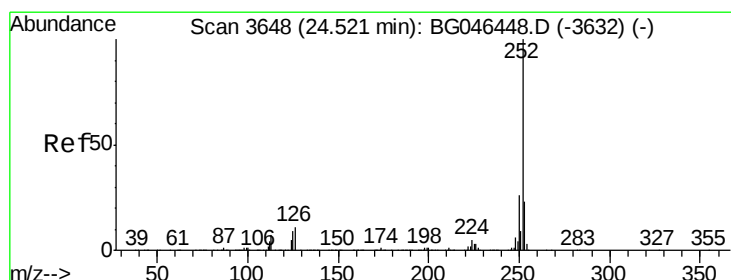
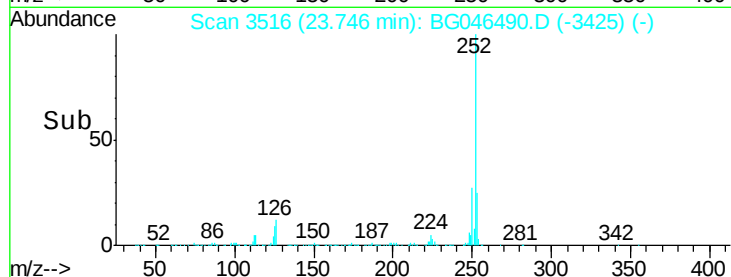
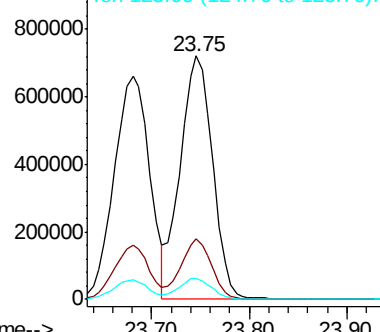


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 49.647 ng

RT: 24.52 min Scan# 3647

Delta R.T. 0.00 min

Lab File: BG046490.D

Acq: 1 Sep 2020 18:47

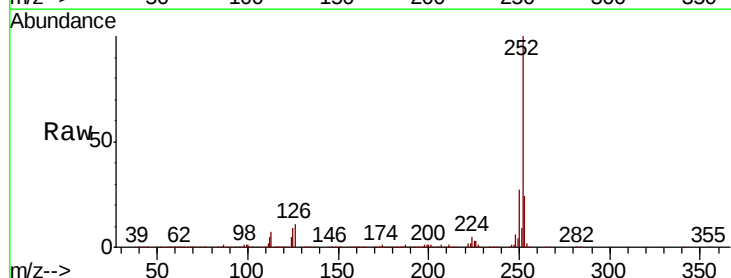
Tgt Ion:252 Resp: 1558058

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.4

125 9.4 7.4 11.0

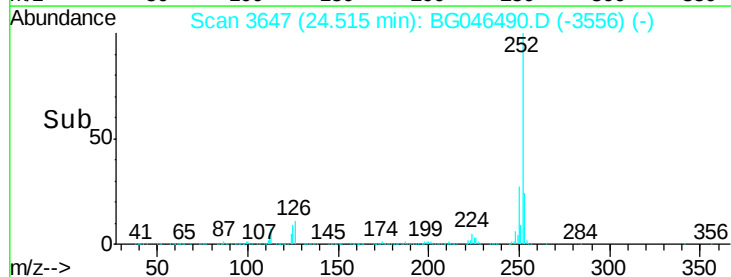
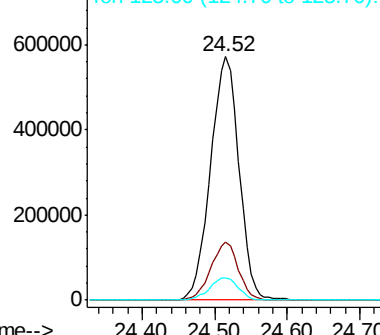


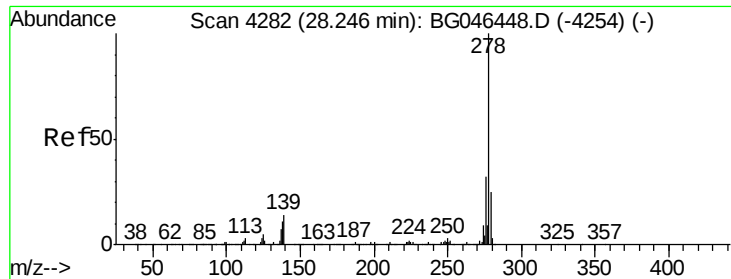
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





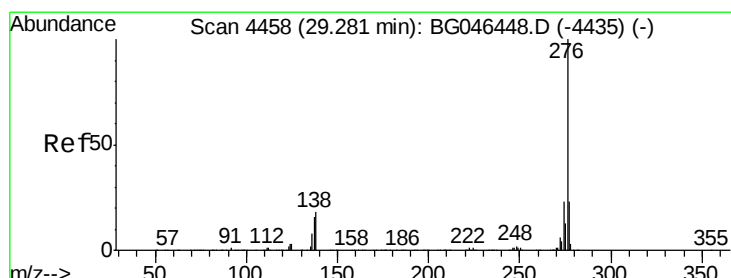
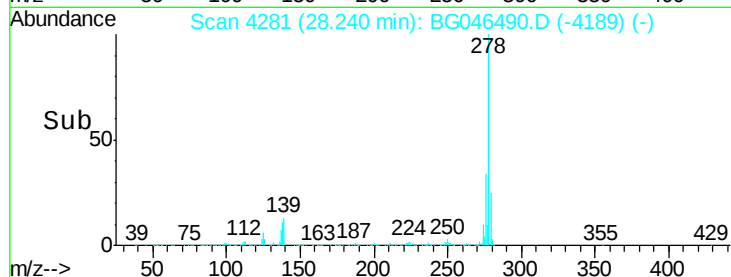
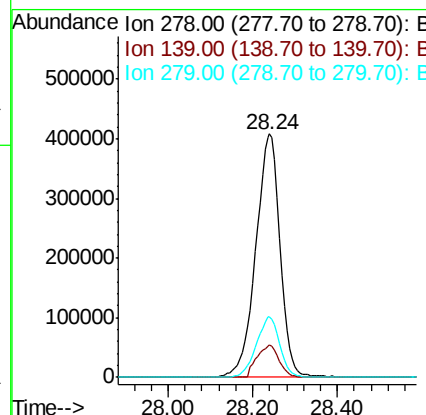
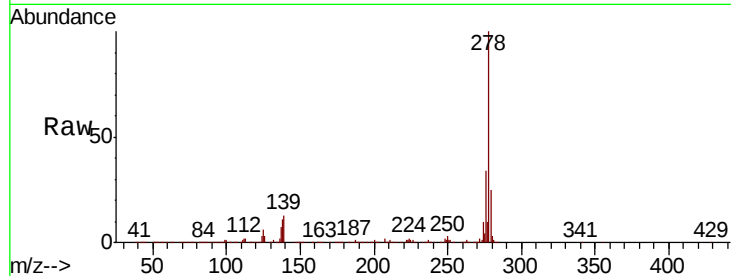
#91  
Dibenzo(a,h)anthracene  
Concen: 52.935 ng  
RT: 28.24 min Scan# 4281  
Delta R.T. 0.01 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

Instrument :  
BNA\_G  
ClientSampleId :  
TR-08-082820MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.3  | 11.2  | 16.8  |
| 279     | 24.8  | 19.8  | 29.8  |

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#92  
Benzo(g,h,i)perylene  
Concen: 54.023 ng  
RT: 29.29 min Scan# 4459  
Delta R.T. 0.02 min  
Lab File: BG046490.D  
Acq: 1 Sep 2020 18:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 18.7  | 28.1  |
| 138     | 17.5  | 14.7  | 22.1  |

