

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:15:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 30193    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.02 | 136  | 107042   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.82 | 164  | 75570    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.56 | 188  | 184221   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.83 | 240  | 182795   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.18 | 264  | 186085   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.52  | 96  | 3015m   | 5.32  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 70383   | 27.24 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.51  | 67  | 35131   | 26.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.72  | 132 | 52943   | 27.01 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.89  | 113 | 50477   | 24.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.37  | 128 | 26739   | 30.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 32216   | 30.62 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.64 | 165 | 63946   | 27.99 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 68343   | 32.58 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.21 | 166 | 217133  | 33.08 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.51 | 160 | 239788  | 31.99 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.99 | 143 | 36693   | 37.69 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.81 | 176 | 196864  | 32.58 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 38817   | 31.13 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.66 | 188 | 346504m | 37.71 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.93 | 212 | 408124  | 37.77 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.95 | 264 | 416930  | 38.36 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.56  | 88  | 11663  | 19.946 | ng/uL# 84 |
| 8) Bis(2-Chloroethyl)ether     | 7.60  | 93  | 62879  | 37.017 | ng/ul 90  |
| 10) 2-Chlorophenol             | 7.76  | 128 | 62015  | 32.142 | ng/ul# 85 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.72  | 45  | 43861  | 27.570 | ng/ul# 92 |
| 15) N-Nitroso-di-n-propylamine | 9.00  | 70  | 31129  | 17.408 | ng/ul# 90 |
| 17) Hexachloroethane           | 9.30  | 117 | 23326  | 24.729 | ng/ul# 67 |
| 20) Nitrobenzene               | 9.41  | 77  | 81401  | 29.474 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 10.41 | 93  | 53522  | 24.621 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.66 | 162 | 58631  | 30.350 | ng/ul 98  |
| 28) Naphthalene                | 11.08 | 128 | 139419 | 23.357 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 11.36 | 225 | 40933  | 19.404 | ng/ul# 91 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216 | 41603  | 13.853 | ng/ul 99  |
| 38) Hexachlorocyclopentadiene  | 13.01 | 237 | 38551  | 18.384 | ng/ul 94  |
| 39) 2,4,6-Trichlorophenol      | 13.26 | 196 | 88525  | 45.143 | ng/ul# 90 |
| 40) 2,4,5-Trichlorophenol      | 13.33 | 196 | 59577m | 29.372 | ng/ul     |
| 42) 2-Chloronaphthalene        | 13.70 | 162 | 119035 | 25.844 | ng/ul 96  |
| 45) Dimethylphthalate          | 14.26 | 163 | 210928 | 31.722 | ng/ul 99  |
| 46) 2,6-Dinitrotoluene         | 14.38 | 165 | 25795  | 18.134 | ng/ul 95  |
| 48) Acenaphthylene             | 14.54 | 152 | 155018 | 22.290 | ng/ul 96  |
| 50) Acenaphthene               | 14.88 | 153 | 93478  | 19.017 | ng/ul 98  |
| 54) Dibenzofuran               | 15.21 | 168 | 158574 | 22.110 | ng/ul 95  |
| 55) 2,4-Dinitrotoluene         | 15.17 | 165 | 32703  | 16.294 | ng/ul# 89 |
| 57) Diethylphthalate           | 15.61 | 149 | 170187 | 26.223 | ng/ul 96  |

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 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
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Quant Time: Dec 24 12:15:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 59) Fluorene                   | 15.87 | 166  | 143472   | 23.396 | ng/ul  | 91       |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204  | 52616    | 13.729 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.74 | 248  | 56996    | 23.991 | ng/ul  | 94       |
| 67) Hexachlorobenzene          | 16.86 | 284  | 44391    | 17.133 | ng/ul  | 94       |
| 69) Pentachlorophenol          | 17.21 | 266  | 52552    | 46.911 | ng/ul  | 94       |
| 72) Anthracene                 | 17.69 | 178  | 400673   | 40.258 | ng/ul  | 98       |
| 75) Carbazole                  | 17.96 | 167  | 302304   | 38.088 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 18.49 | 149  | 316026   | 31.169 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.82 | 149  | 157429   | 35.590 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 21.81 | 228  | 390964   | 29.937 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 134087   | 21.598 | ng/ul  | 94       |
| 87) Di-n-octyl phthalate       | 22.94 | 149  | 429890   | 43.835 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 24.11 | 252  | 205268   | 15.802 | ng/ul  | 97       |
| 89) Benzo(k)fluoranthene       | 24.19 | 252  | 552396   | 42.909 | ng/ul# | 99       |
| 94) Benzo(a,h,i)perylene       | 30.21 | 276  | 317077   | 27.035 | ng/ul  | 100      |
| -----                          |       |      |          |        |        |          |

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

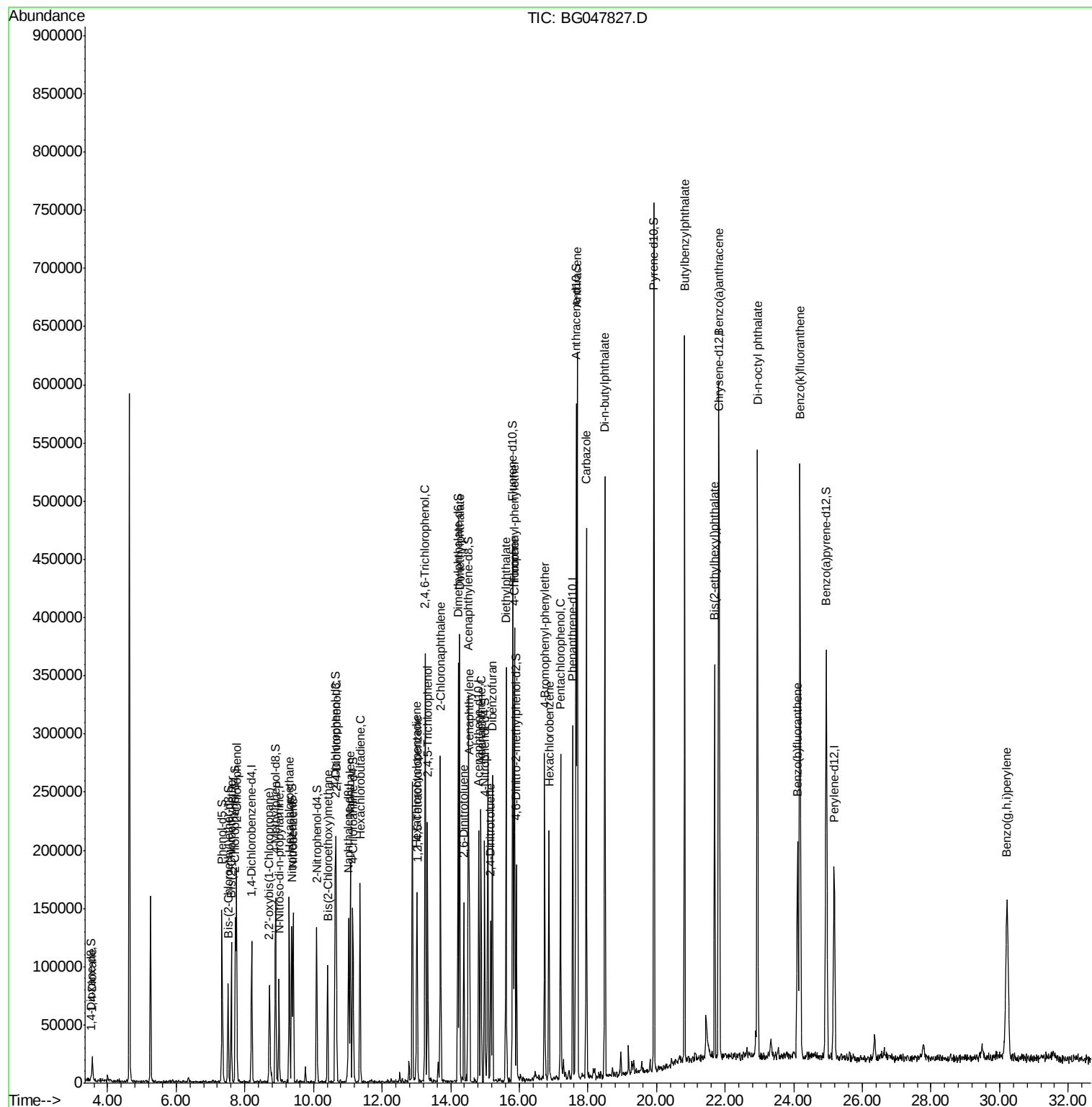
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122320\  
Data File : BG047827.D  
Acq On : 24 Dec 2020 11:33  
Operator : CG/JU  
Sample : L5112-12  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

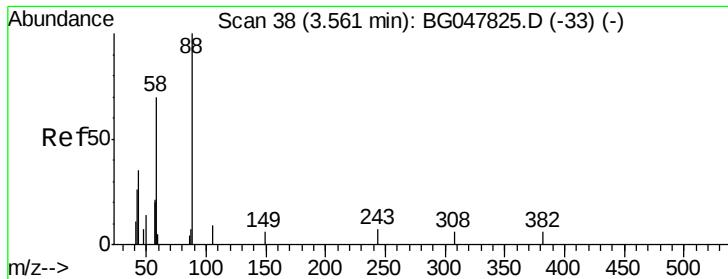
Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 23 13:42:29 2020  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 19.946 ng/uL

RT: 3.56 min Scan# 37

Delta R.T. -0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

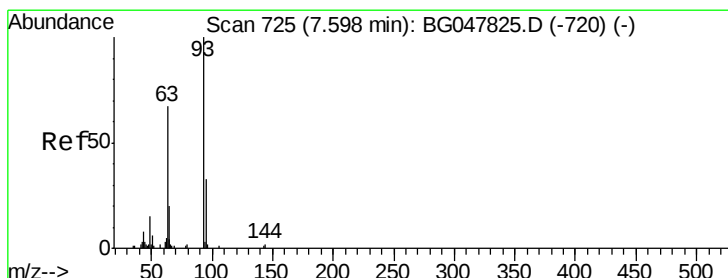
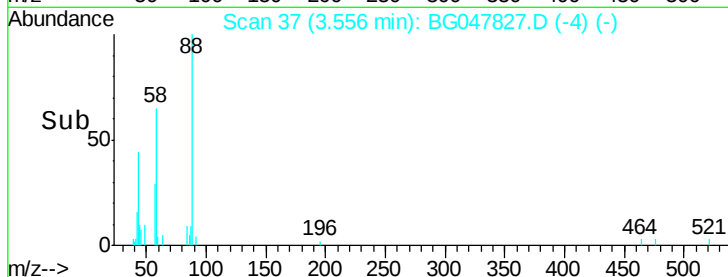
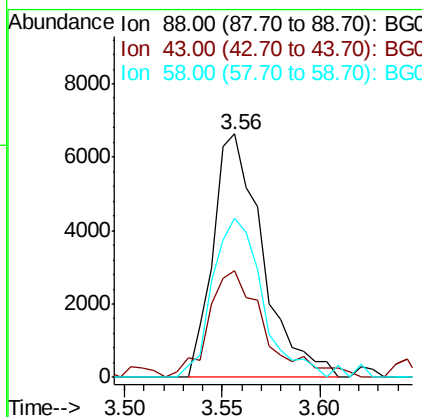
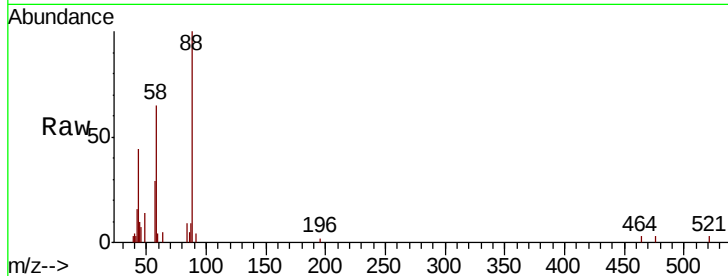
ClientSampleId :

A54P3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 44.0  | 30.8  | 46.2  |
| 58      | 65.3  | 40.4  | 60.6  |

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#8

Bis(2-Chloroethyl)ether

Concen: 37.017 ng/uL

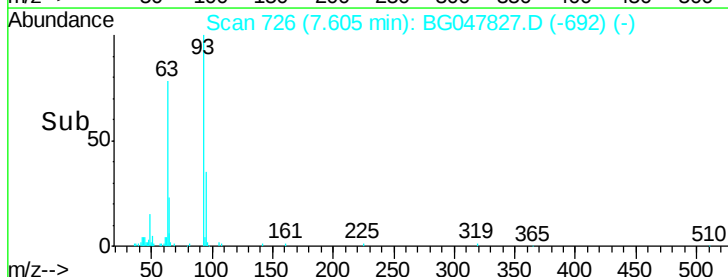
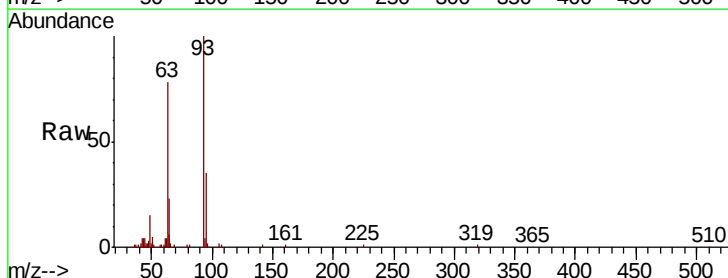
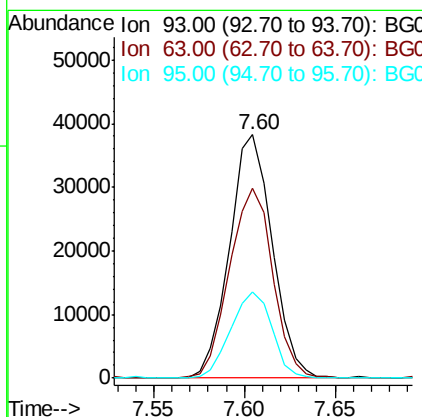
RT: 7.60 min Scan# 726

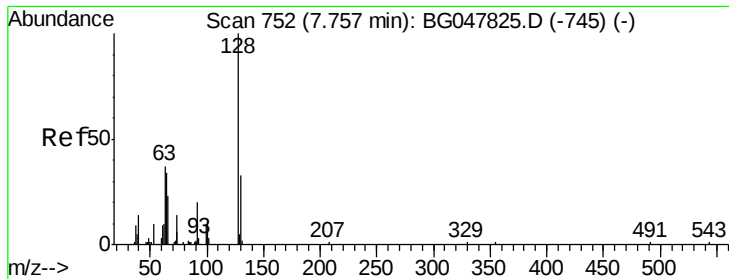
Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 78.2  | 72.2  | 108.4 |
| 95      | 35.2  | 27.1  | 40.7  |





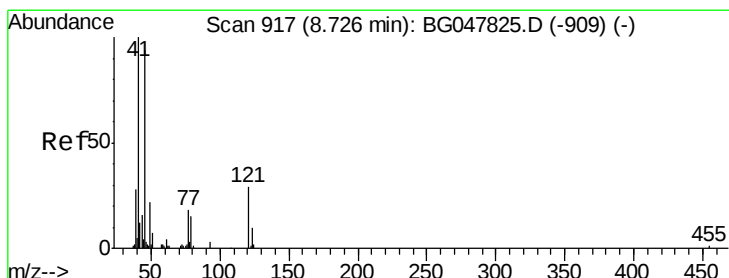
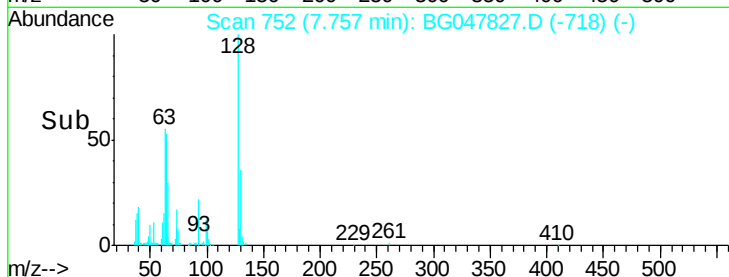
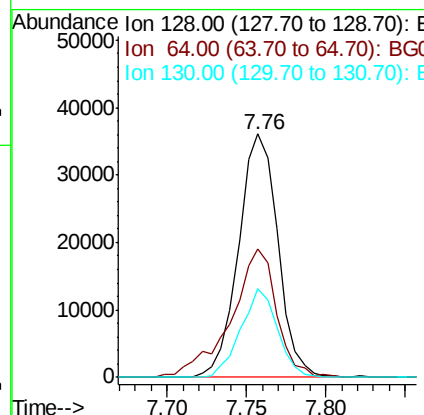
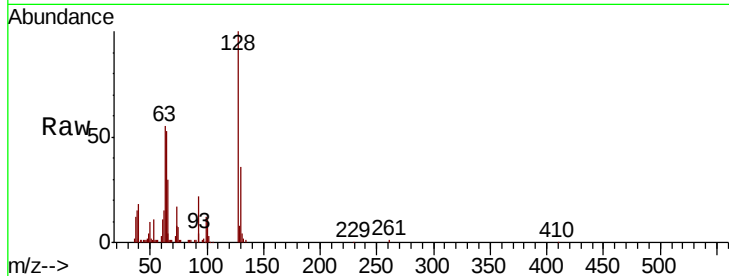
#10  
2-Chlorophenol  
Concen: 32.142 ng/ul  
RT: 7.76 min Scan# 752  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampled :  
A54P3

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 64      | 52.8  | 36.3       | 54.5  |
| 130     | 36.3  | 19.9       | 29.9  |

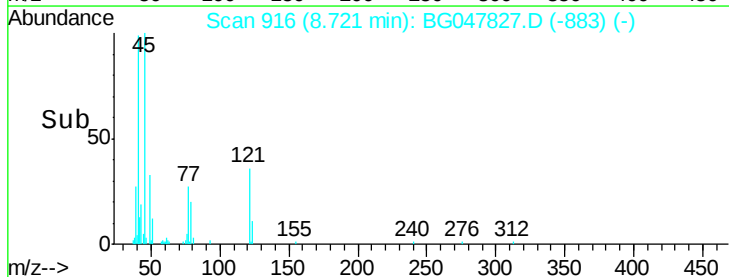
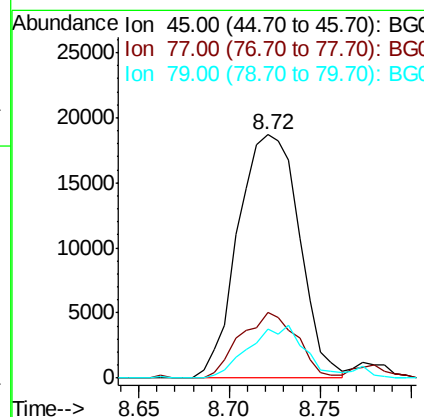
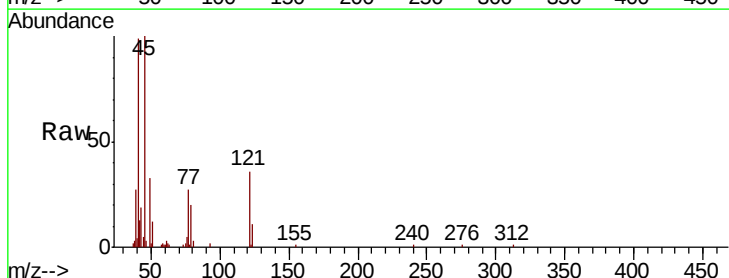
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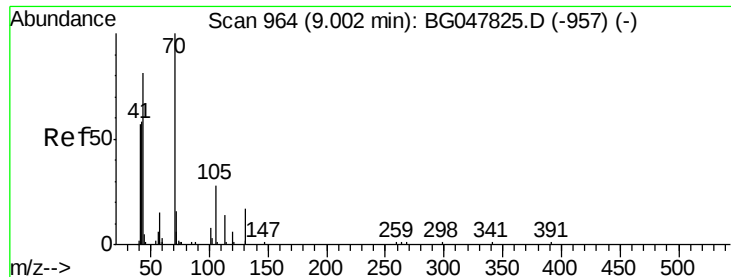
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#12  
2,2'-oxybis(1-Chloropropane)  
Concen: 27.570 ng/ul  
RT: 8.72 min Scan# 916  
Delta R.T. -0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 45      | 100   |            |       |
| 77      | 27.0  | 19.2       | 28.8  |
| 79      | 20.4  | 12.4       | 18.6  |





#15

N-Nitroso-di-n-propylamine

Concen: 17.408 ng/ul

RT: 9.00 min Scan# 964

Delta R.T. 0.01 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

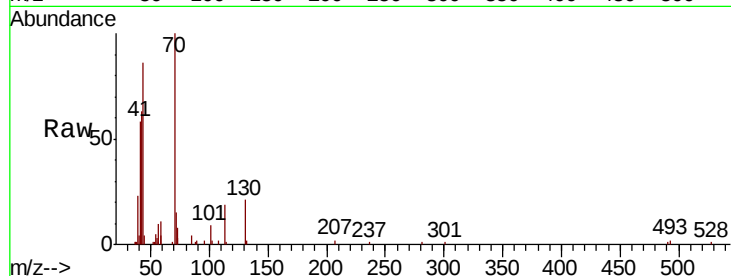
ClientSampleId :

A54P3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 31129 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 62.9  | 43.0  | 64.6  |
| 101       | 9.2   | 5.0   | 7.4#  |
| 130       | 20.8  | 15.8  | 23.8  |

Manual Integrations  
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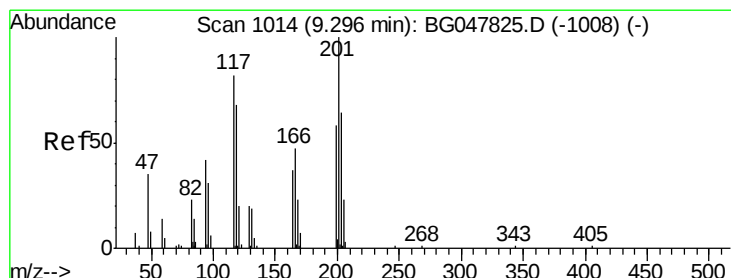
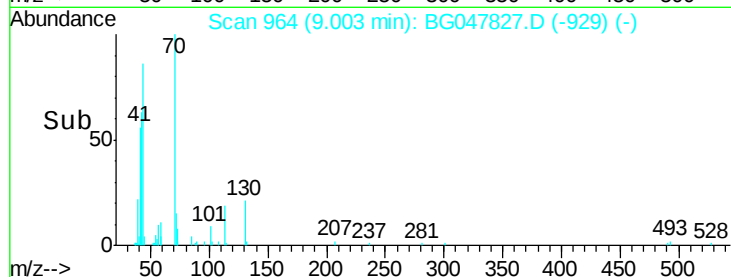
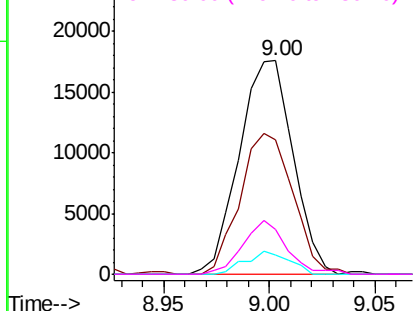
Abundance

Ion 70.00 (69.70 to 70.70): BG047827.D (-929) (-)

Ion 42.00 (41.70 to 42.70): BG047827.D (-929) (-)

Ion 101.00 (100.70 to 101.70): BG047827.D (-929) (-)

Ion 130.00 (129.70 to 130.70): BG047827.D (-929) (-)



#17

Hexachloroethane

Concen: 24.729 ng/ul

RT: 9.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

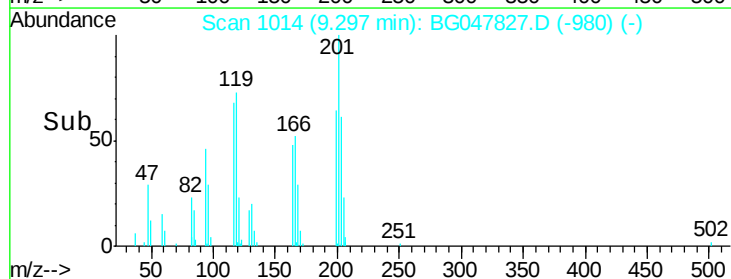
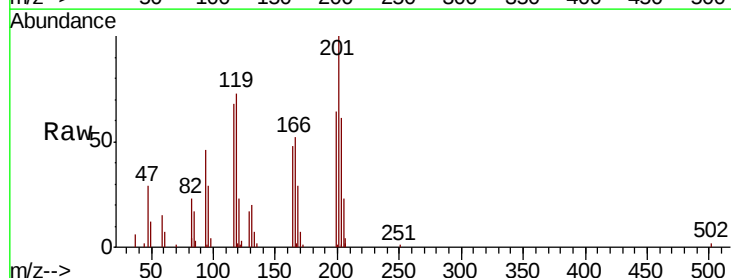
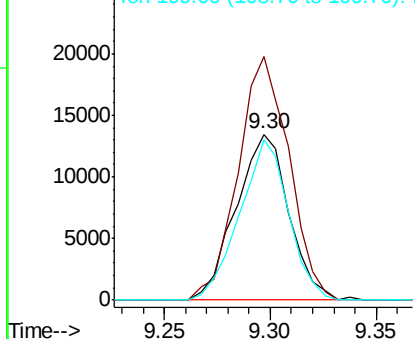
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 23326  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 201       | 147.0 | 92.9  | 139.3# |
| 199       | 96.5  | 51.8  | 77.6#  |

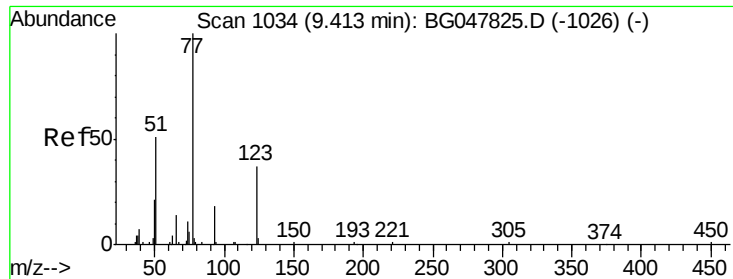
Abundance

Ion 117.00 (116.70 to 117.70): BG047827.D (-980) (-)

Ion 201.00 (200.70 to 201.70): BG047827.D (-980) (-)

Ion 199.00 (198.70 to 199.70): BG047827.D (-980) (-)





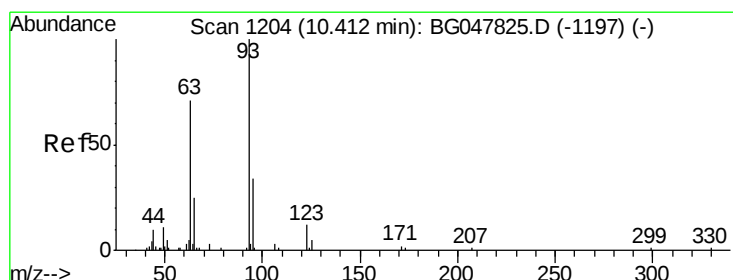
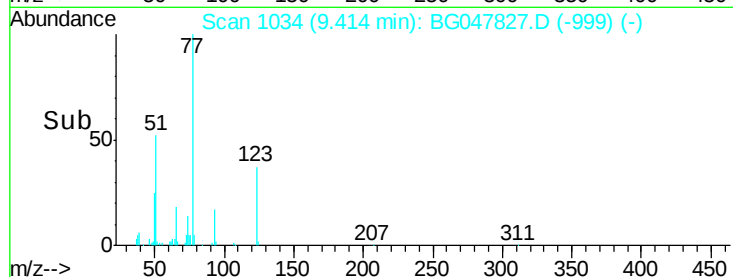
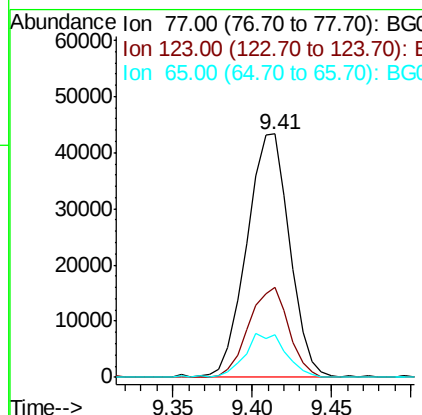
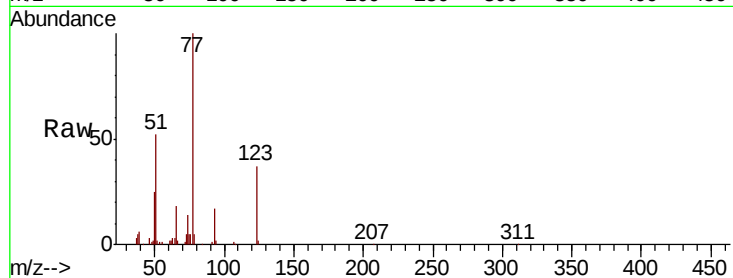
#20  
 Nitrobenzene  
 Concen: 29.474 ng/ul  
 RT: 9.41 min Scan# 1034  
 Delta R.T. 0.01 min  
 Lab File: BG047827.D  
 Acq: 24 Dec 2020 11:33

Instrument :  
 BNA\_G  
 ClientSampleID :  
 A54P3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 37.0  | 26.9  | 40.3  |
| 65      | 17.5  | 15.7  | 23.5  |

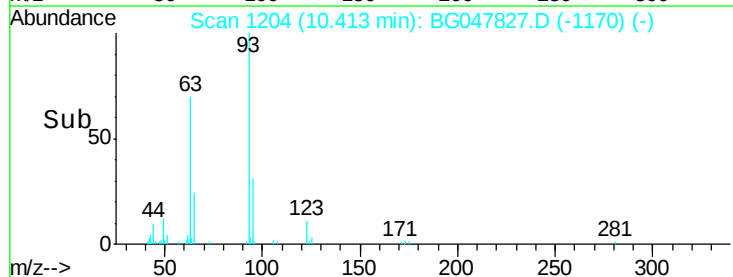
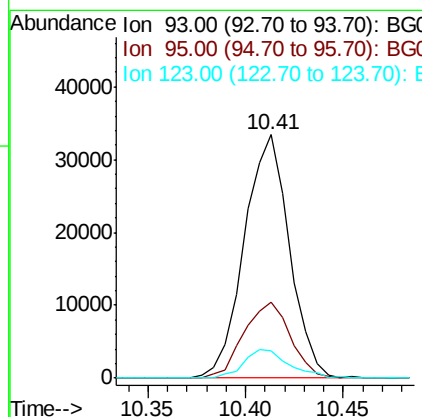
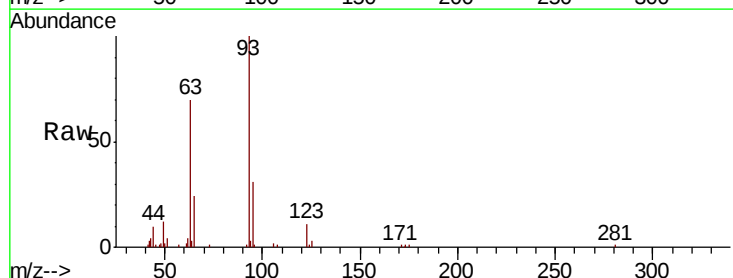
Manual Integrations  
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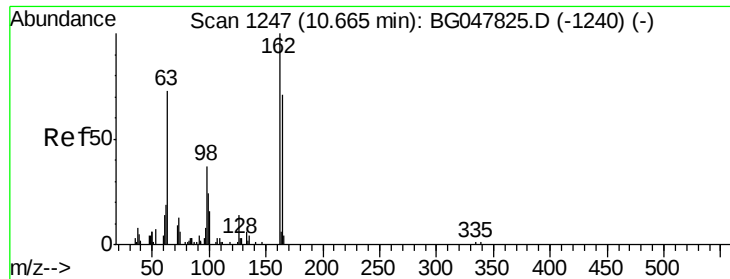
mohammad  
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#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 24.621 ng/ul  
 RT: 10.41 min Scan# 1204  
 Delta R.T. 0.00 min  
 Lab File: BG047827.D  
 Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.3  | 25.0  | 37.6  |
| 123     | 11.1  | 8.8   | 13.2  |





#27

2,4-Dichlorophenol

Concen: 30.350 ng/ul

RT: 10.66 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

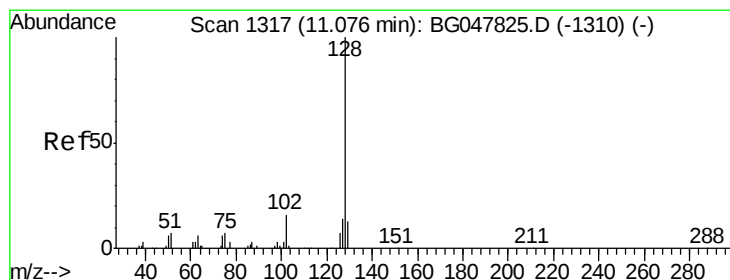
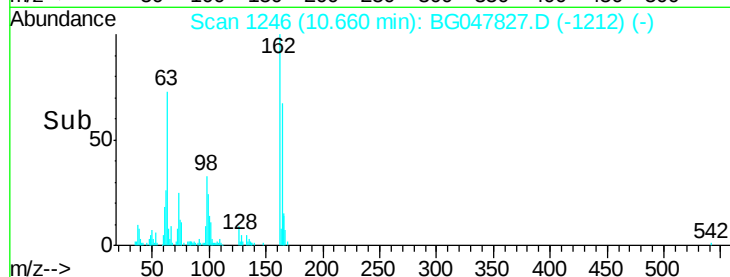
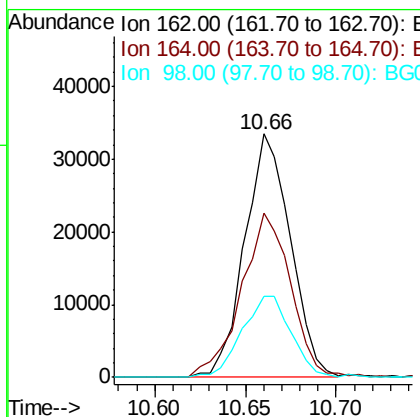
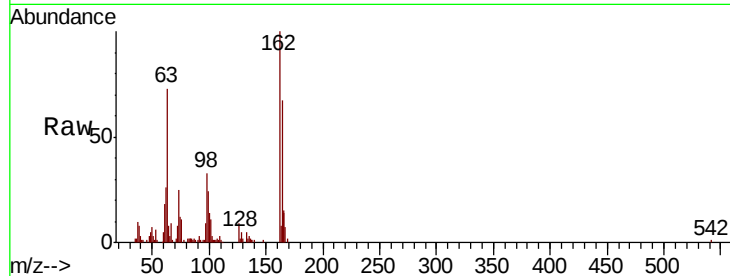
ClientSampled :

A54P3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 58631 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 67.4  | 54.6  | 82.0  |
| 98        | 33.3  | 27.9  | 41.9  |

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mohammad  
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#28

Naphthalene

Concen: 23.357 ng/ul

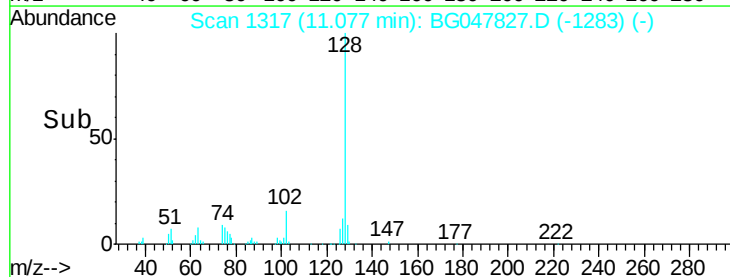
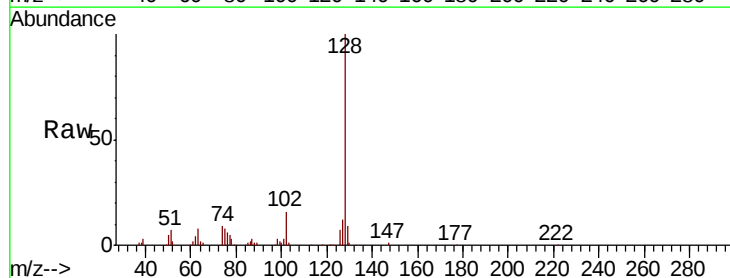
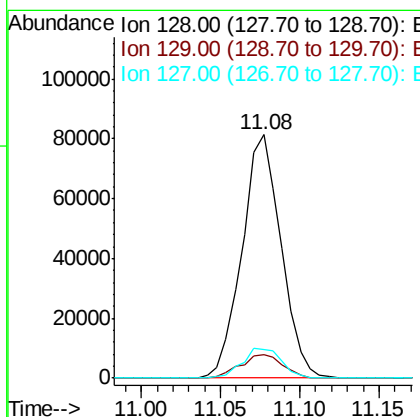
RT: 11.08 min Scan# 1317

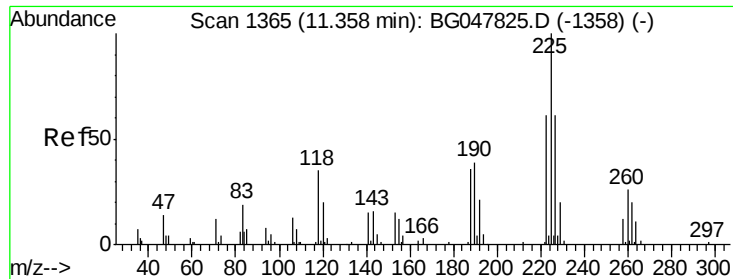
Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 139419 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 9.4   | 8.6   | 13.0   |
| 127       | 11.5  | 8.7   | 13.1   |





#31

Hexachlorobutadiene

Concen: 19.404 ng/ul

RT: 11.36 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

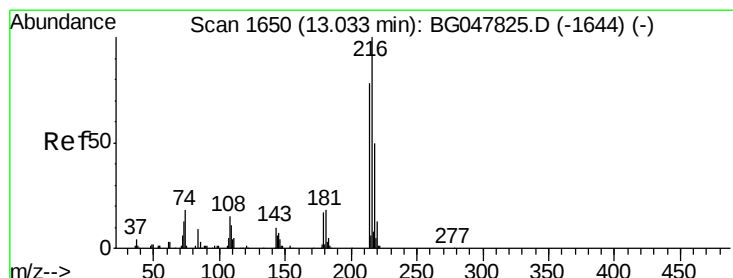
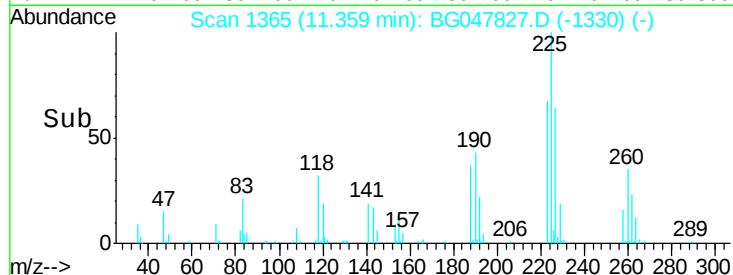
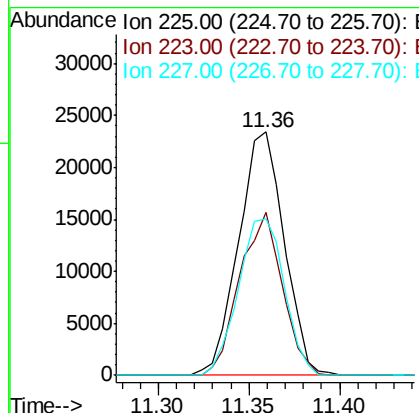
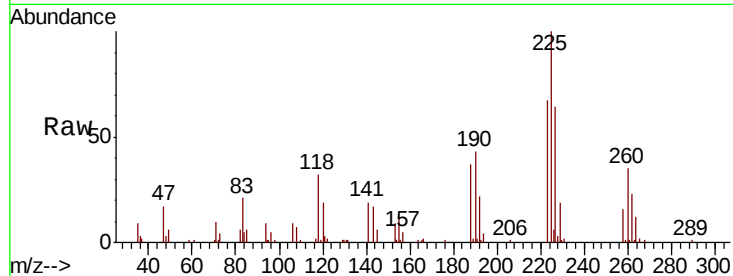
ClientSampled :

A54P3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 40933 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 67.1  | 44.4  | 66.6# |
| 227       | 64.1  | 49.4  | 74.0  |

Manual Integrations  
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mohammad  
12/28/2020 1:36:10 PM



#37

1,2,4,5-Tetrachlorobenzene

Concen: 13.853 ng/ul

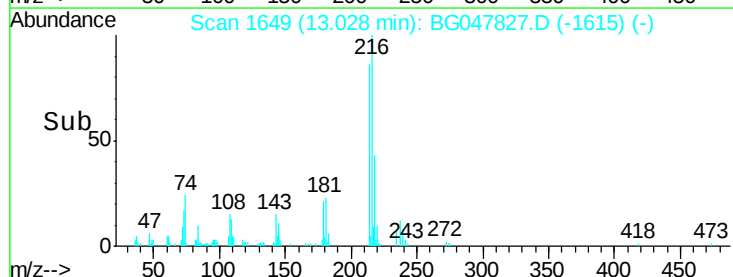
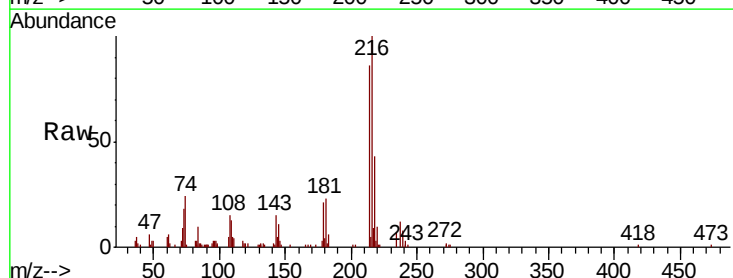
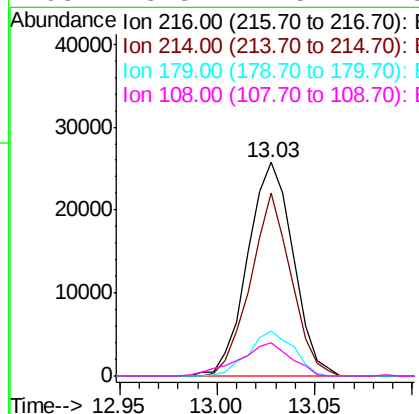
RT: 13.03 min Scan# 1649

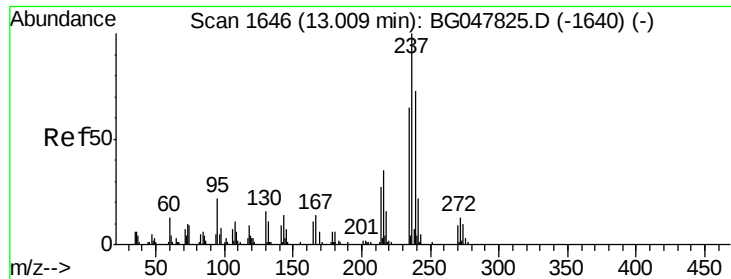
Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 41603 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 85.8  | 69.1  | 103.7 |
| 179       | 21.1  | 17.4  | 26.0  |
| 108       | 15.3  | 11.5  | 17.3  |





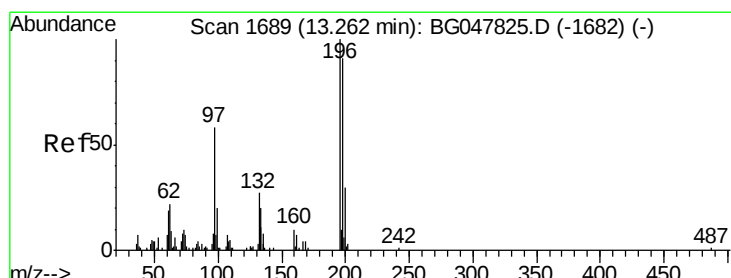
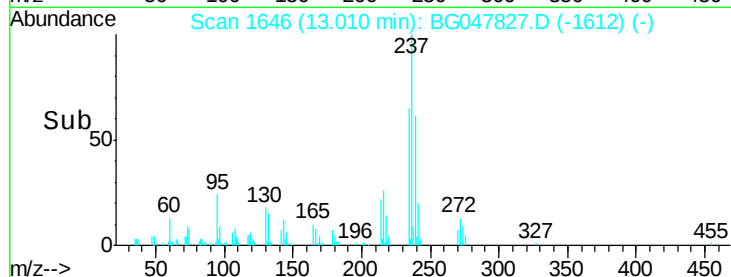
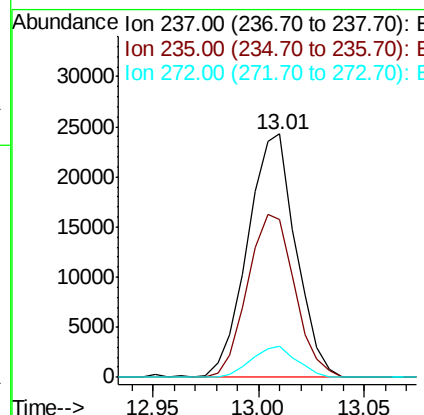
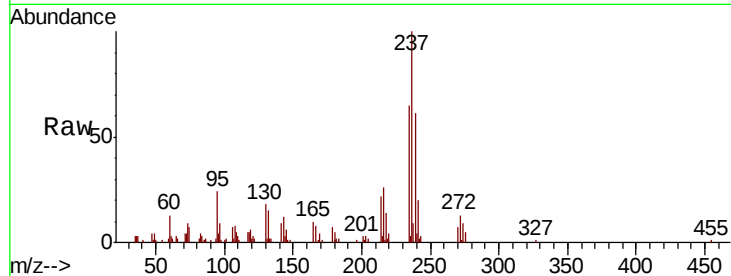
#38  
Hexachlorocyclopentadiene  
Concen: 18.384 ng/ul  
RT: 13.01 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 68.5  | 50.6  | 76.0  |
| 272     | 12.7  | 10.1  | 15.1  |

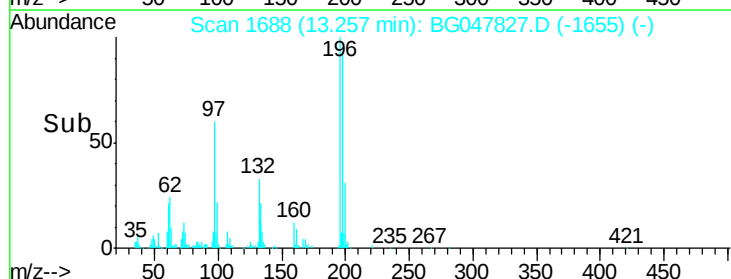
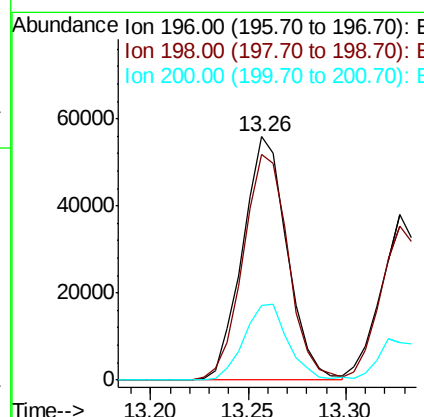
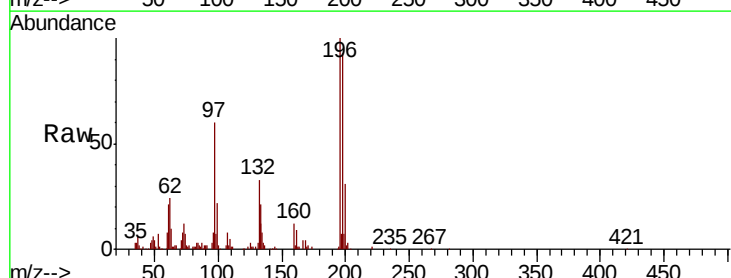
Manual Integrations  
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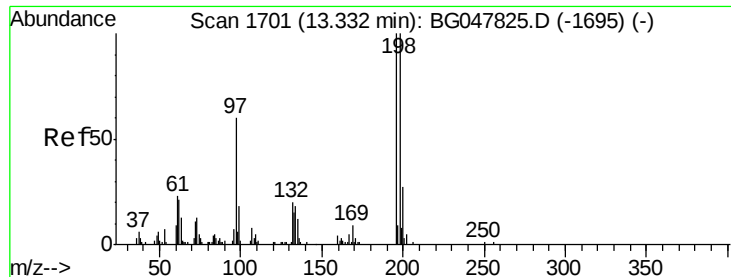
mohammad  
12/28/2020 1:36:10 PM



#39  
2,4,6-Trichlorophenol  
Concen: 45.143 ng/ul  
RT: 13.26 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.8  | 68.5  | 102.7 |
| 200     | 30.6  | 18.2  | 27.4  |





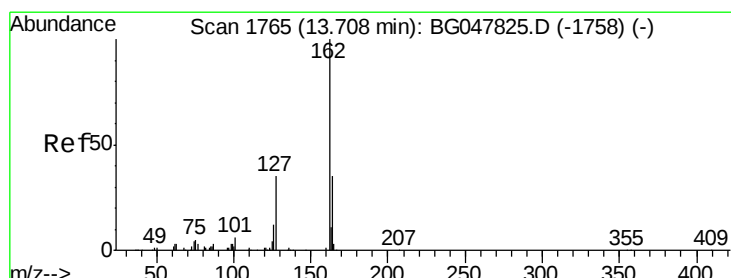
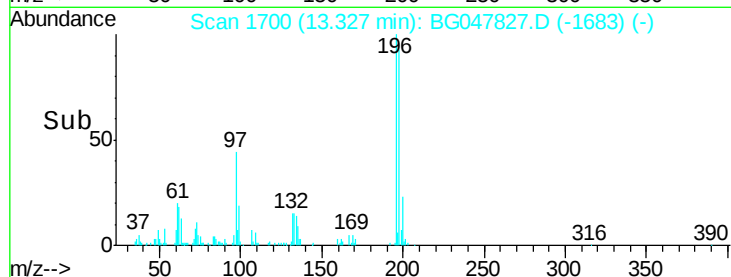
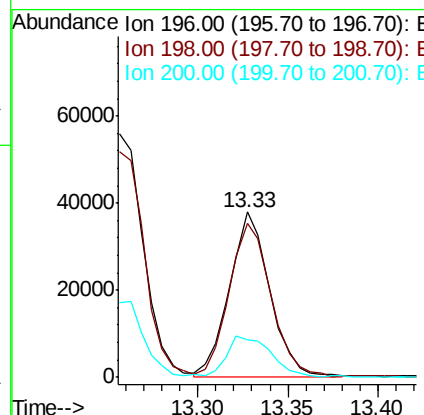
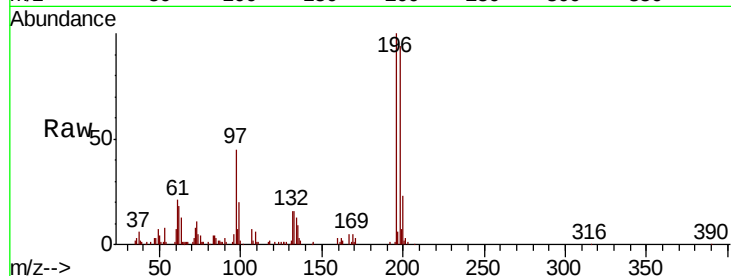
#40  
 2,4,5-Trichlorophenol  
 Concen: 29.372 ng/ul m  
 RT: 13.33 min Scan# 1700  
 Delta R.T. 0.00 min  
 Lab File: BG047827.D  
 Acq: 24 Dec 2020 11:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 93.5  | 75.7 | 113.5 |       |
| 200     | 23.0  | 25.0 | 37.6  |       |

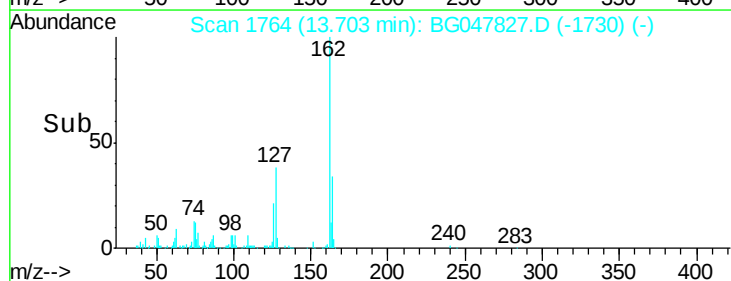
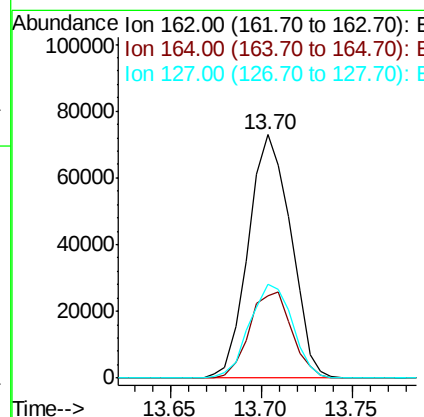
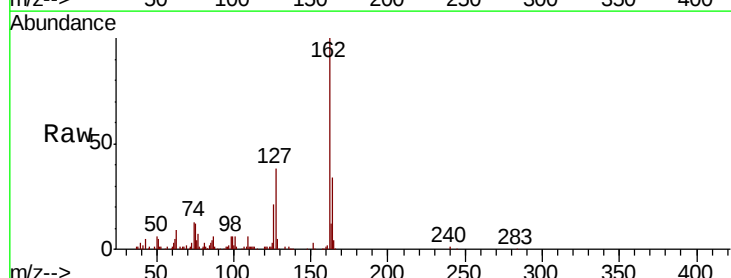
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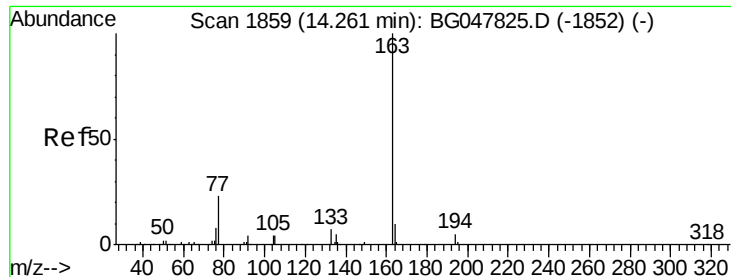
mohammad  
 12/28/2020 1:36:10 PM



#42  
 2-Chloronaphthalene  
 Concen: 25.844 ng/ul  
 RT: 13.70 min Scan# 1764  
 Delta R.T. 0.00 min  
 Lab File: BG047827.D  
 Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 164     | 34.0  | 24.7 | 37.1  |       |
| 127     | 38.3  | 32.1 | 48.1  |       |





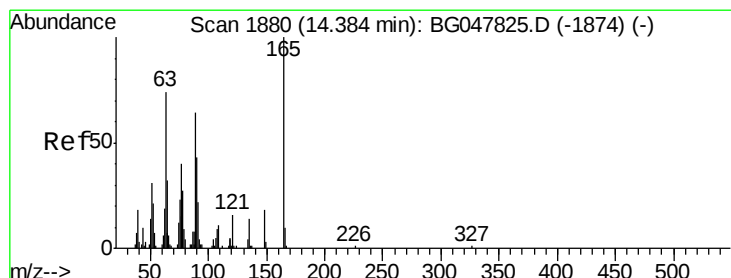
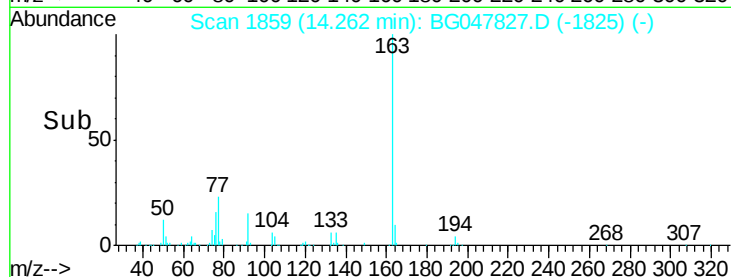
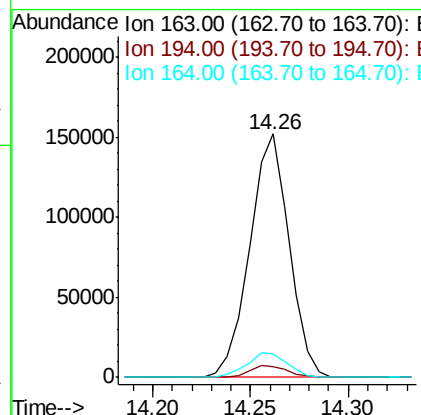
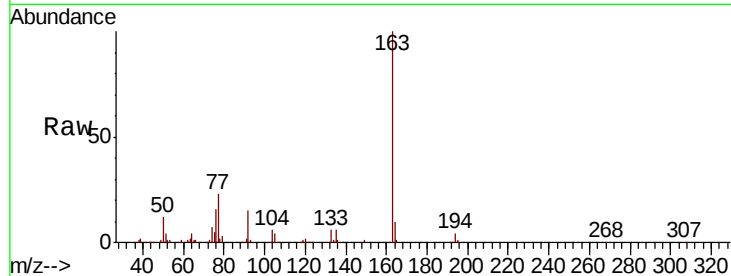
#45  
Dimethylphthalate  
Concen: 31.722 ng/ul  
RT: 14.26 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 163     | 100 |       | 210928 |       |       |
| 194     | 4.3 |       | 3.8    | 5.6   |       |
| 164     | 9.7 |       | 8.1    | 12.1  |       |

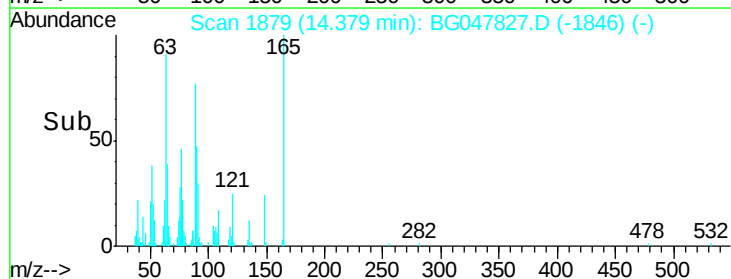
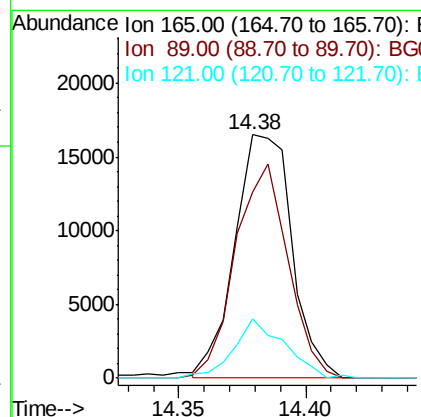
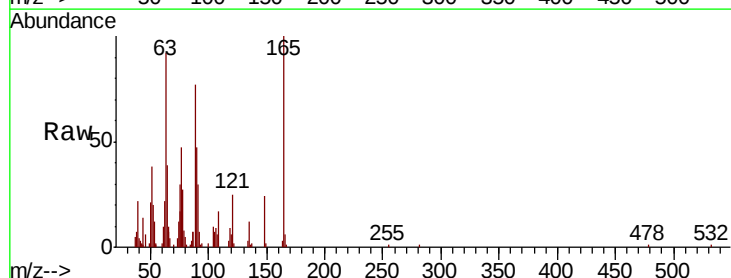
Manual Integrations  
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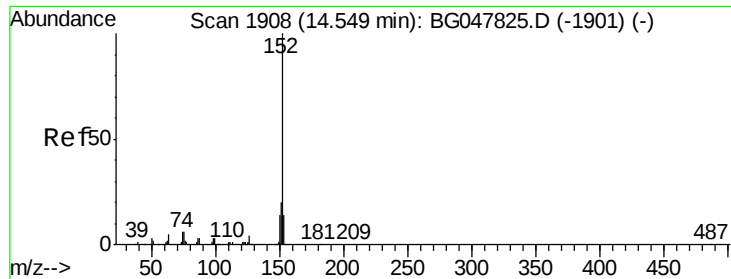
mohammad  
12/28/2020 1:36:10 PM



#46  
2,6-Dinitrotoluene  
Concen: 18.134 ng/ul  
RT: 14.38 min Scan# 1879  
Delta R.T. -0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 165     | 100  |       | 25795 |       |       |
| 89      | 76.6 |       | 65.3  | 97.9  |       |
| 121     | 24.6 |       | 21.1  | 31.7  |       |





#48

Acenaphthylene

Concen: 22.290 ng/ul

RT: 14.54 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

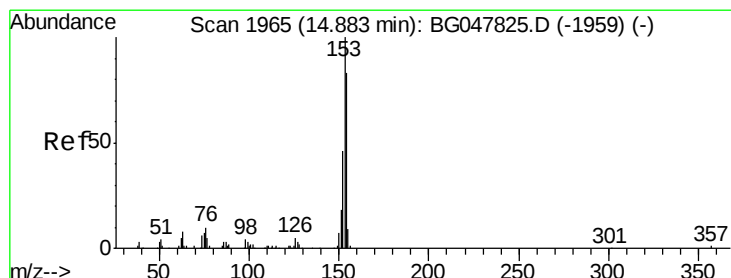
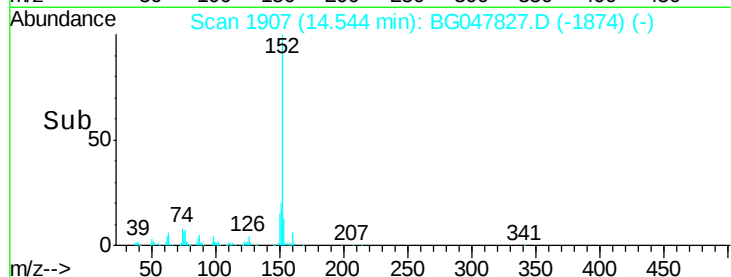
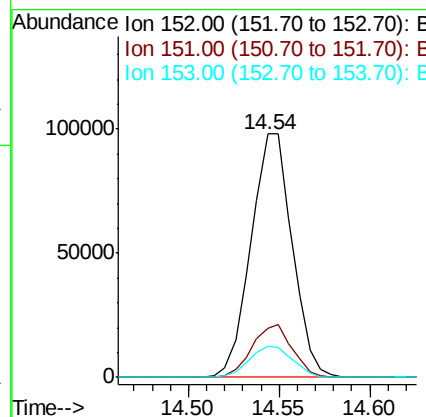
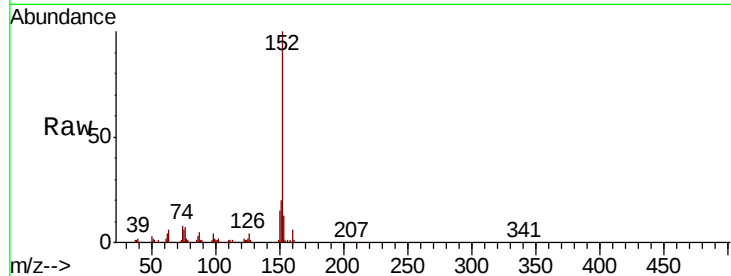
ClientSampled :

A54P3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 155018 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.2  | 15.9  | 23.9   |
| 153       | 12.5  | 12.5  | 18.7   |

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#50

Acenaphthene

Concen: 19.017 ng/ul

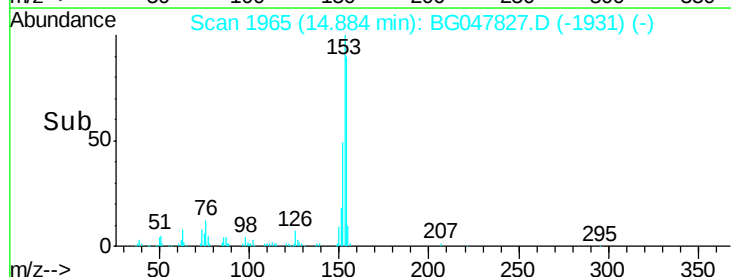
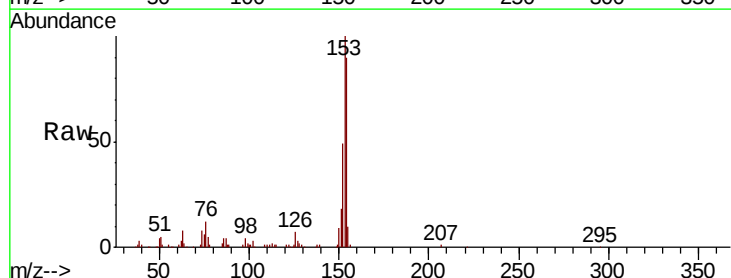
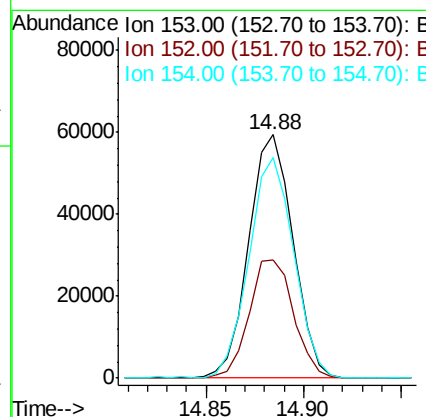
RT: 14.88 min Scan# 1965

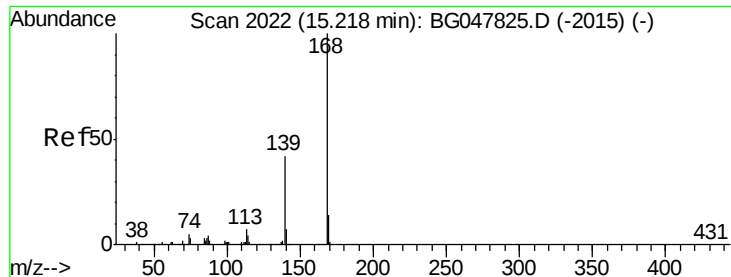
Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 93478 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 48.7  | 38.2  | 57.4  |
| 154       | 90.5  | 73.8  | 110.6 |





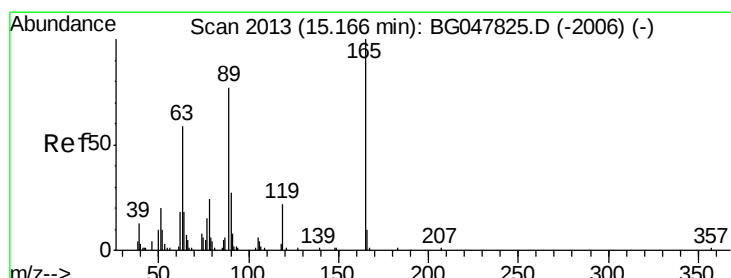
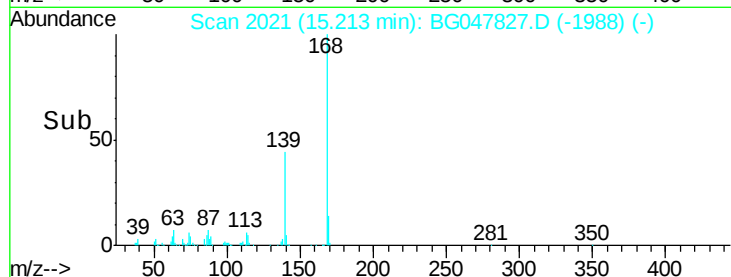
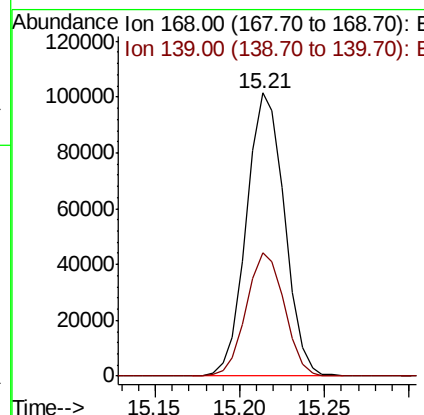
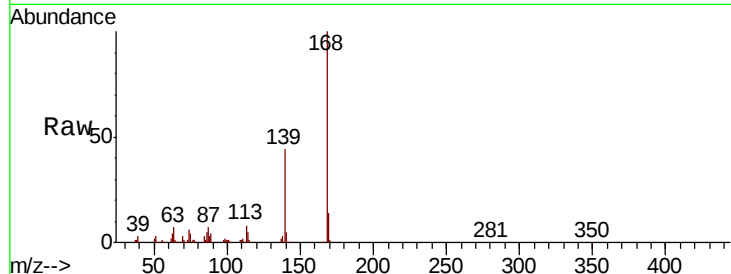
#54  
Dibenzofuran  
Concen: 22.110 ng/ul  
RT: 15.21 min Scan# 2021  
Delta R.T. -0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 43.6  | 32.3  | 48.5  |

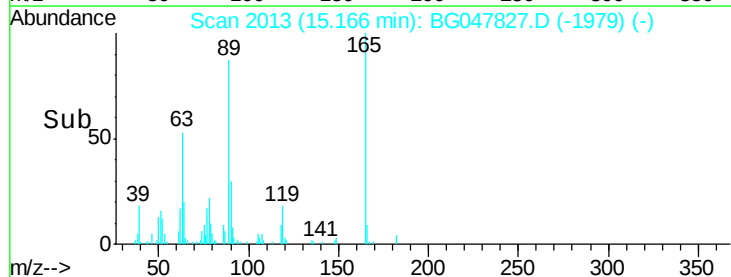
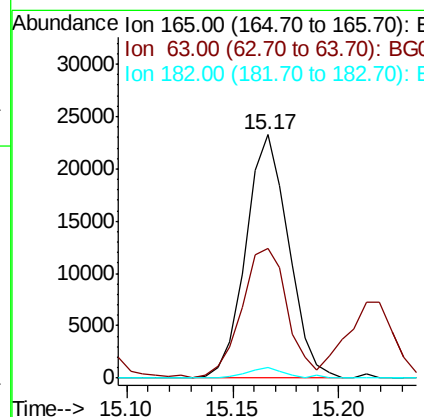
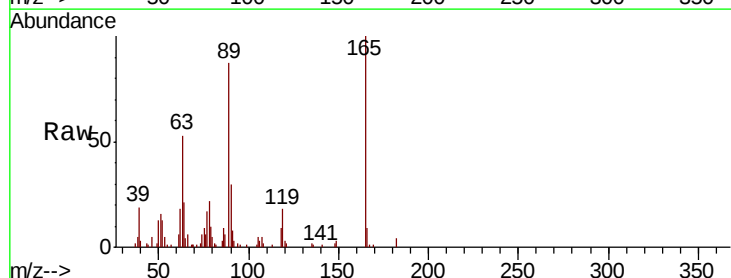
Manual Integrations  
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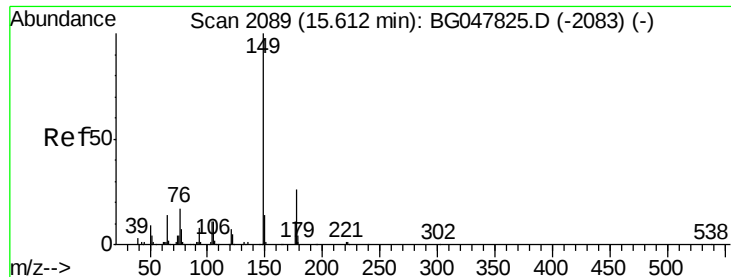
mohammad  
12/28/2020 1:36:10 PM



#55  
2,4-Dinitrotoluene  
Concen: 16.294 ng/ul  
RT: 15.17 min Scan# 2013  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 53.1  | 49.5  | 74.3  |
| 182     | 4.2   | 2.0   | 3.0   |





#57

Diethylphthalate

Concen: 26.223 ng/ul

RT: 15.61 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

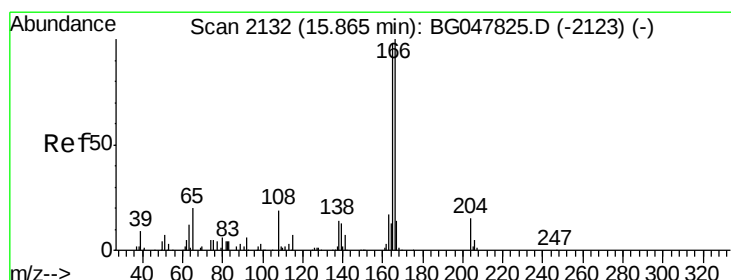
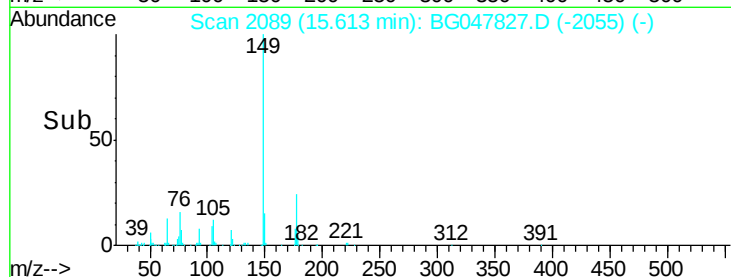
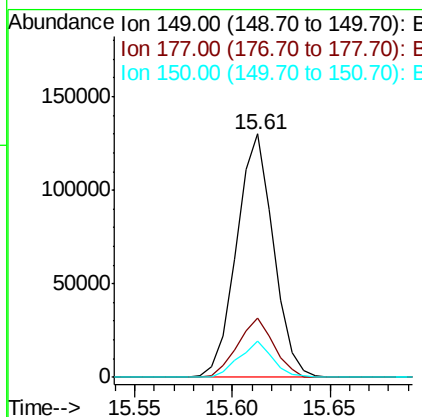
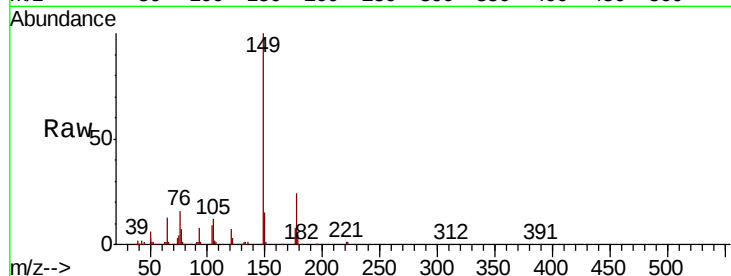
ClientSampleId :

A54P3

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 149  | Resp: | 170187 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 177       | 24.4 | 21.3  | 31.9   |
| 150       | 14.7 | 10.8  | 16.2   |

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12/28/2020 1:36:10 PM



#59

Fluorene

Concen: 23.396 ng/ul

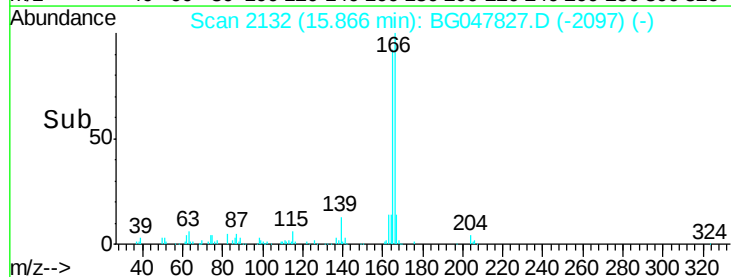
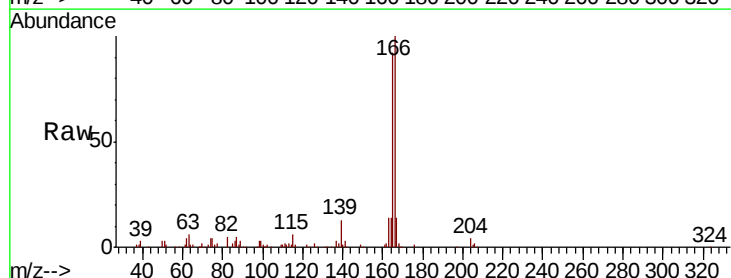
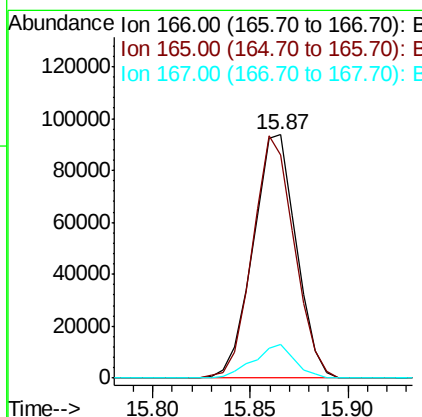
RT: 15.87 min Scan# 2132

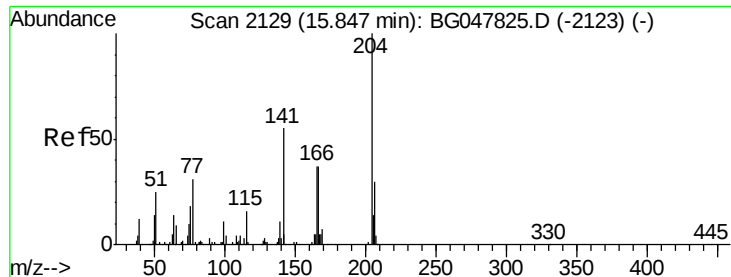
Delta R.T. 0.01 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 166  | Resp: | 143472 |
| Ion Ratio |      | Lower | Upper  |
| 166       | 100  |       |        |
| 165       | 91.9 | 81.8  | 122.6  |
| 167       | 14.1 | 11.1  | 16.7   |





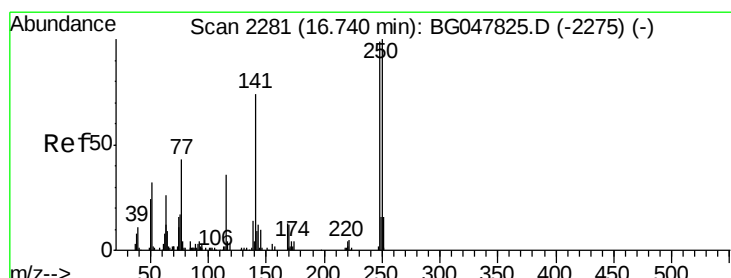
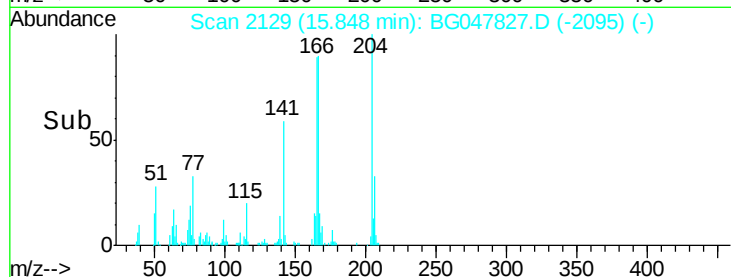
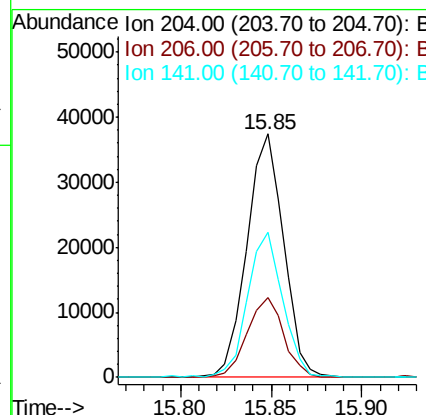
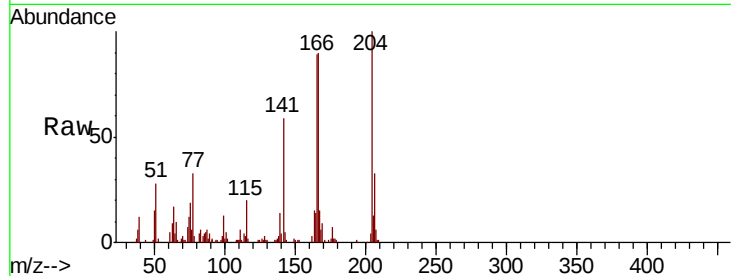
#60  
4-Chlorophenyl-phenylether  
Concen: 13.729 ng/ul  
RT: 15.85 min Scan# 2129  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampled :  
A54P3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 25.8  | 38.6  |
| 141     | 59.3  | 44.8  | 67.2  |

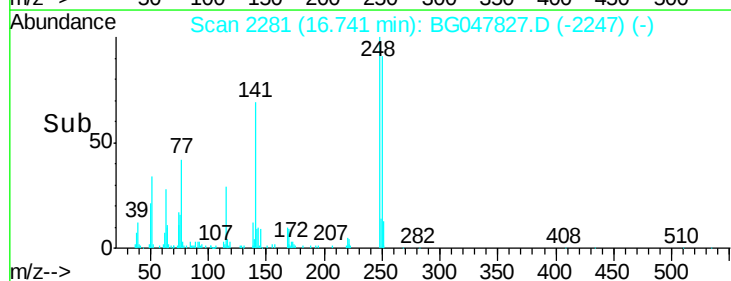
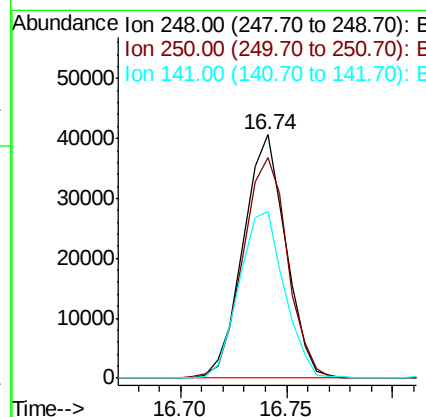
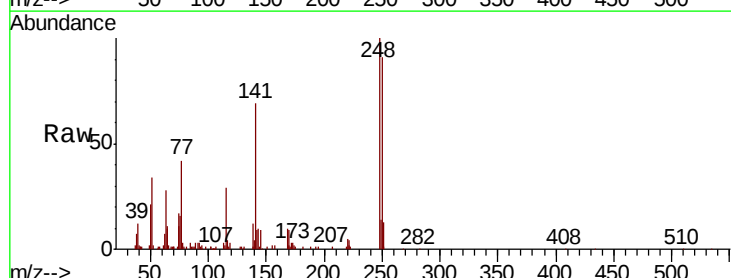
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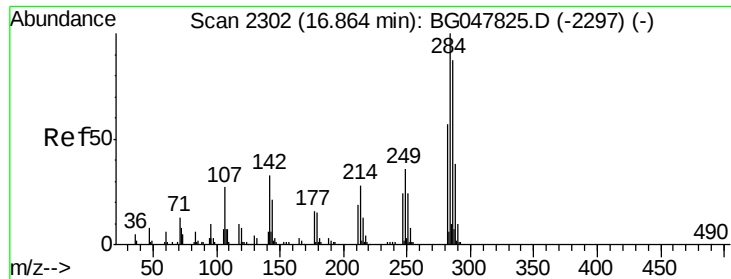
mohammad  
12/28/2020 1:36:10 PM



#66  
4-Bromophenyl-phenylether  
Concen: 23.991 ng/ul  
RT: 16.74 min Scan# 2281  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 90.8  | 79.5  | 119.3 |
| 141     | 68.6  | 53.6  | 80.4  |





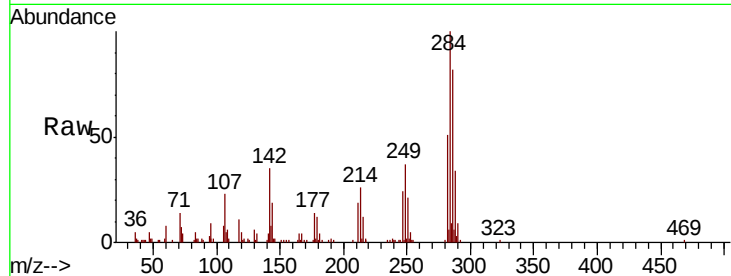
#67  
Hexachlorobenzene  
Concen: 17.133 ng/ul  
RT: 16.86 min Scan# 2302  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

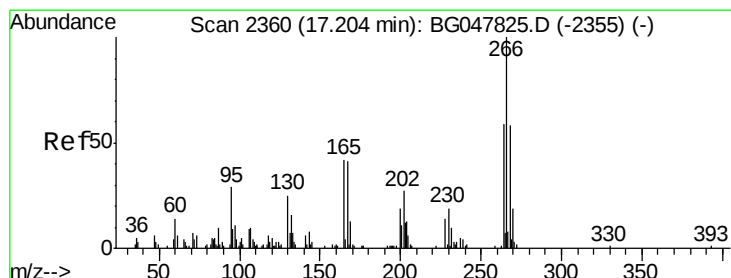
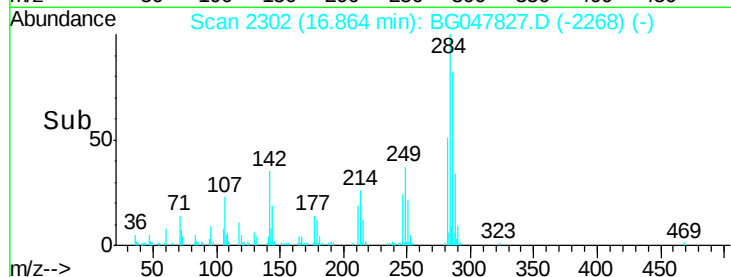
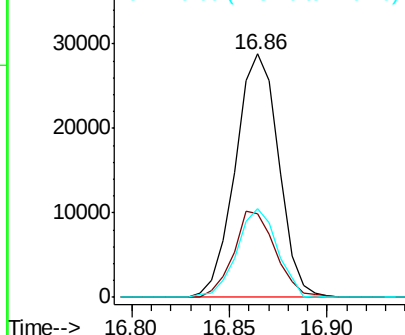
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 284     | 100   | 44391 |       |       |
| 142     | 34.6  |       | 31.4  | 47.0  |
| 249     | 36.6  |       | 31.0  | 46.4  |

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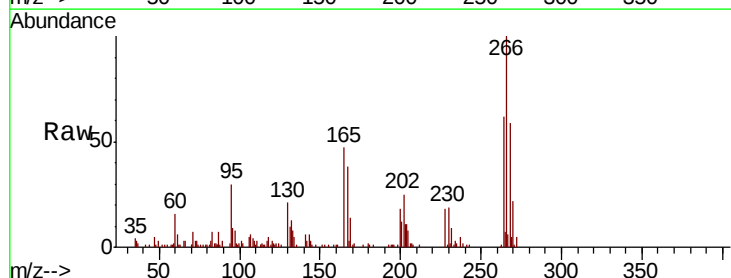


Abundance Ion 284.00 (283.70 to 284.70): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

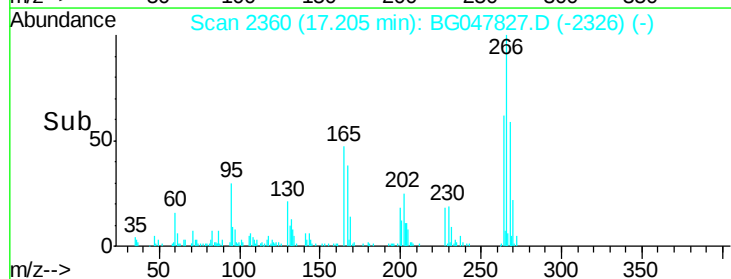
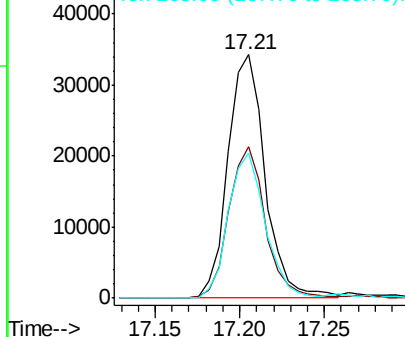


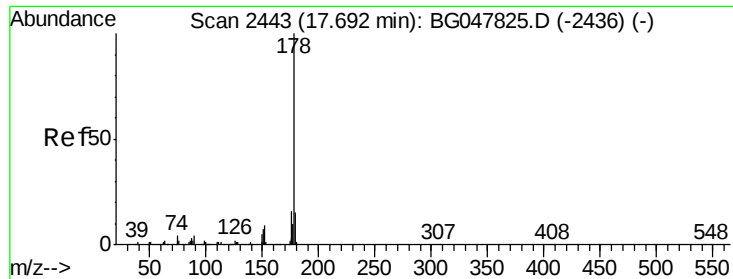
#69  
Pentachlorophenol  
Concen: 46.911 ng/ul  
RT: 17.21 min Scan# 2360  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 52552 |       |       |
| 264     | 62.3  |       | 47.8  | 71.6  |
| 268     | 59.4  |       | 43.1  | 64.7  |



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#72

Anthracene

Concen: 40.258 ng/ul

RT: 17.69 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

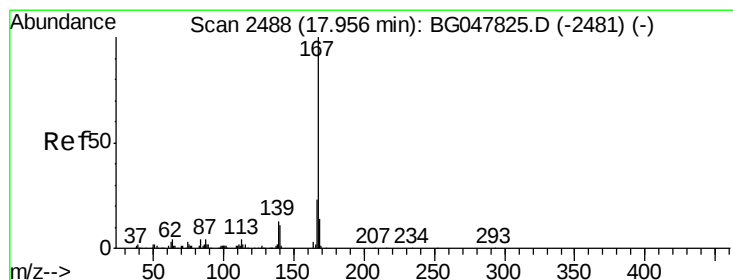
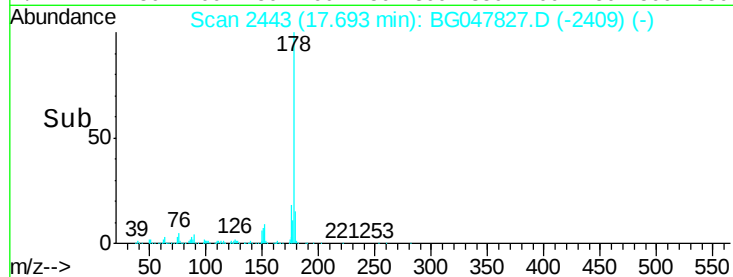
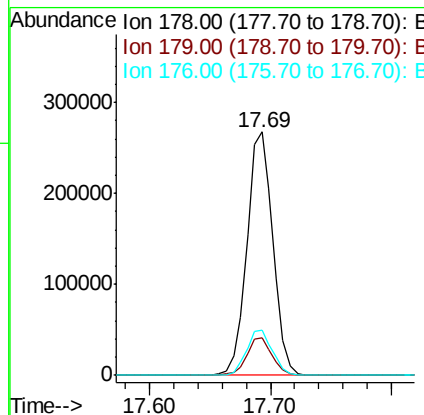
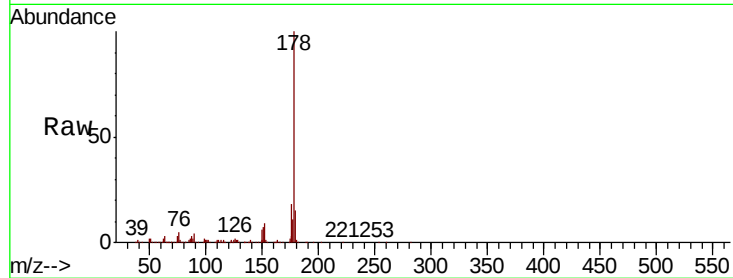
ClientSampleId :

A54P3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 400673 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.5  | 13.1  | 19.7   |
| 176       | 18.3  | 15.4  | 23.2   |

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#75

Carbazole

Concen: 38.088 ng/ul

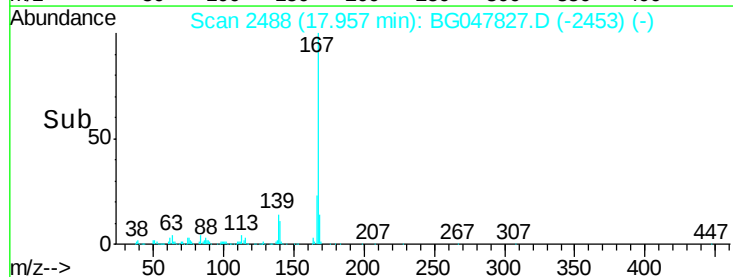
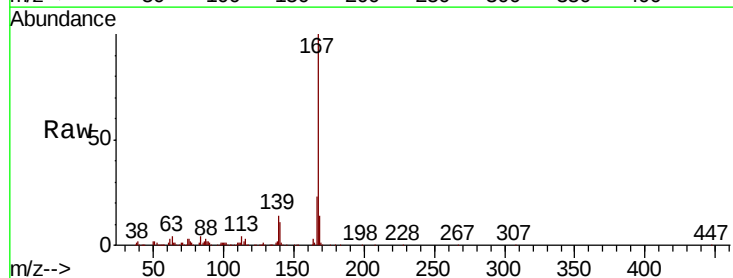
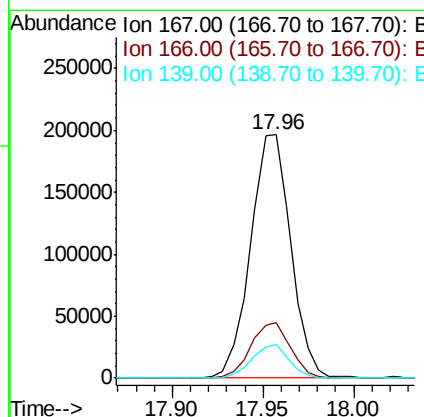
RT: 17.96 min Scan# 2488

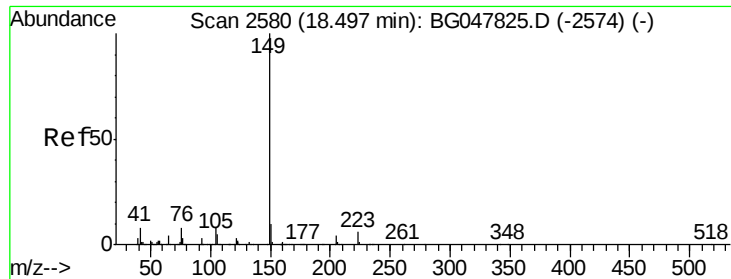
Delta R.T. 0.01 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 167   | Resp: | 302304 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.6  | 19.4  | 29.0   |
| 139       | 13.7  | 11.0  | 16.6   |





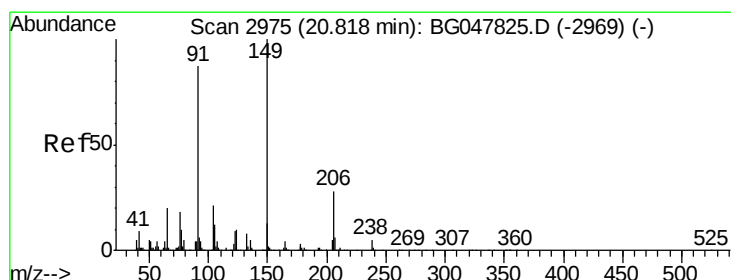
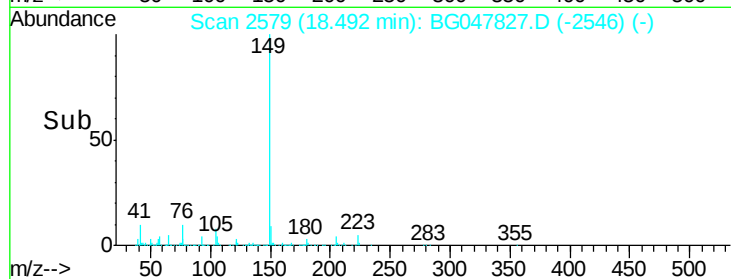
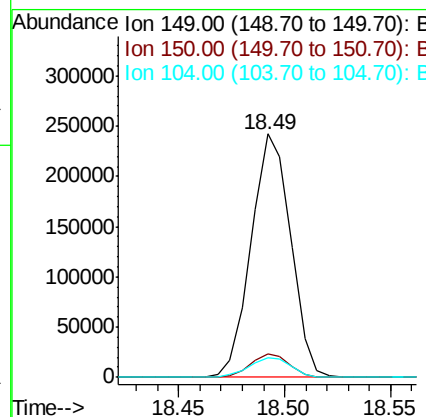
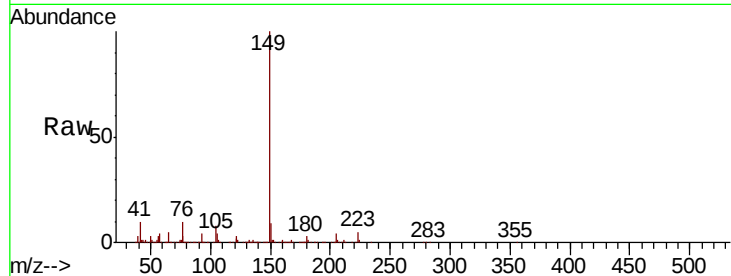
#76  
Di-n-butylphthalate  
Concen: 31.169 ng/ul  
RT: 18.49 min Scan# 2579  
Delta R.T. -0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 9.4   | 8.7  | 13.1  |       |
| 104     | 8.3   | 7.2  | 10.8  |       |

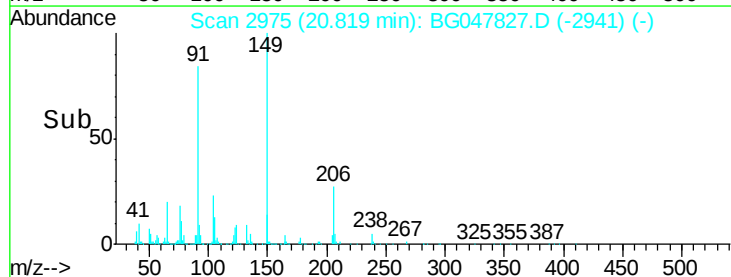
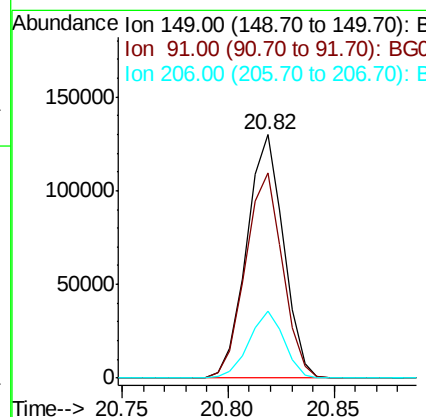
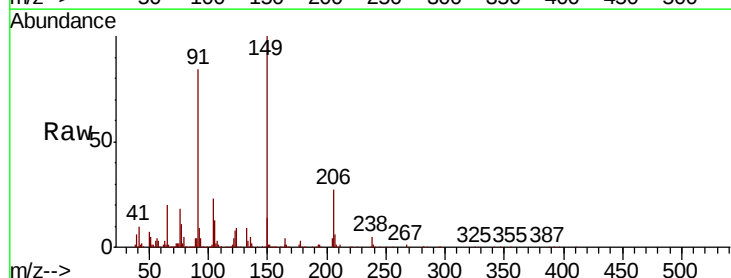
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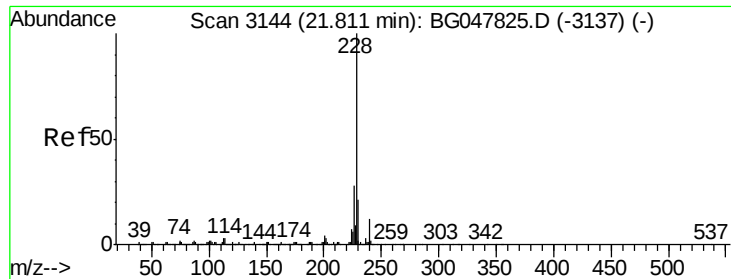
mohammad  
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#81  
Butylbenzylphthalate  
Concen: 35.590 ng/ul  
RT: 20.82 min Scan# 2975  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 91      | 84.3  | 66.1 | 99.1  |       |
| 206     | 27.5  | 19.4 | 29.2  |       |





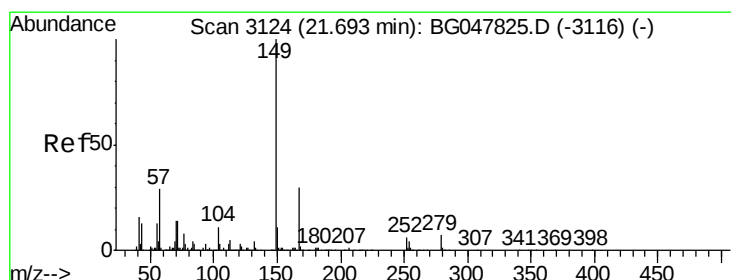
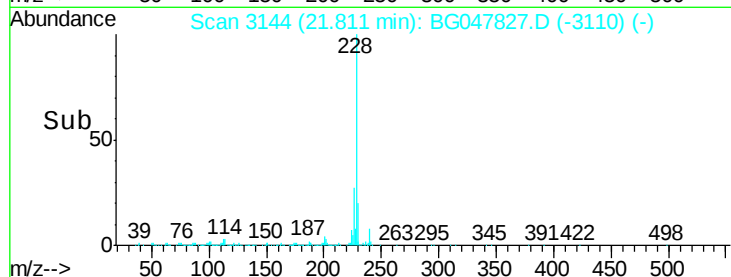
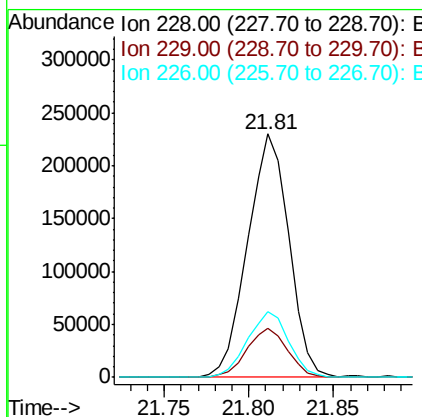
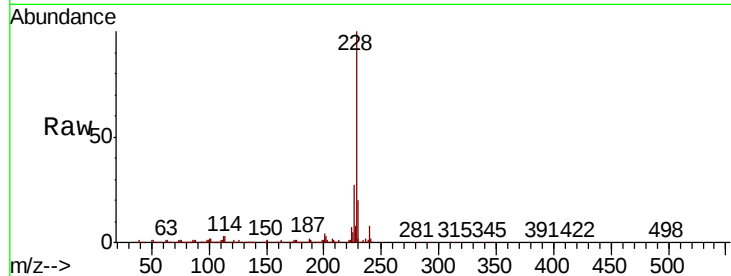
#83  
Benzo(a)anthracene  
Concen: 29.937 ng/ul  
RT: 21.81 min Scan# 3144  
Delta R.T. 0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.4  | 17.0  | 25.4  |
| 226     | 27.1  | 21.3  | 31.9  |

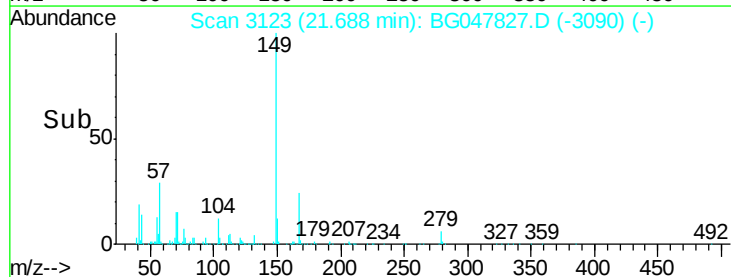
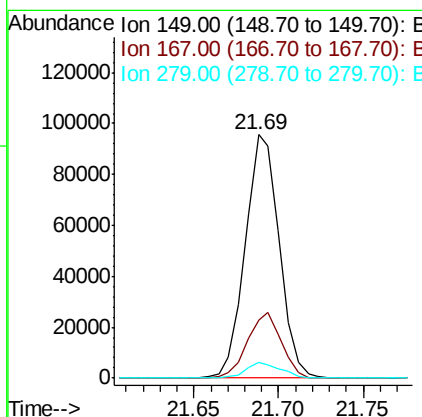
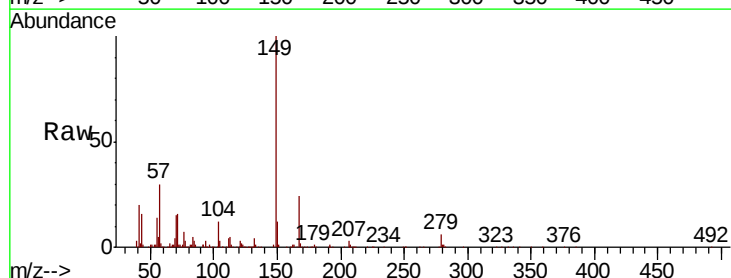
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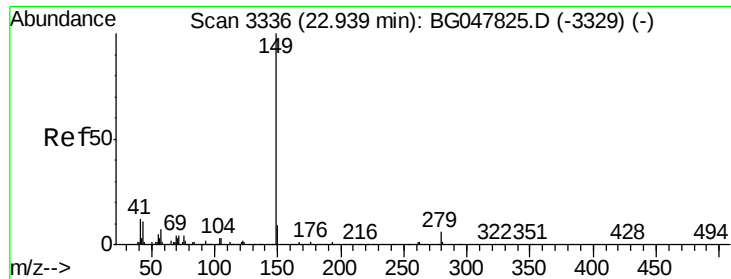
mohammad  
12/28/2020 1:36:10 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 21.598 ng/ul  
RT: 21.69 min Scan# 3123  
Delta R.T. -0.00 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 23.9  | 21.8  | 32.8  |
| 279     | 6.3   | 5.7   | 8.5   |





#87

Di-n-octyl phthalate

Concen: 43.835 ng/ul

RT: 22.94 min Scan# 3336

Delta R.T. -0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Instrument :

BNA\_G

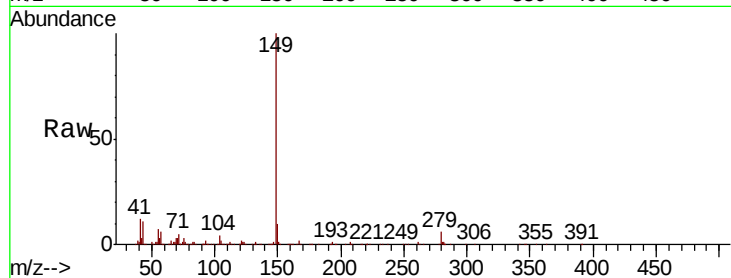
ClientSampleId :

A54P3

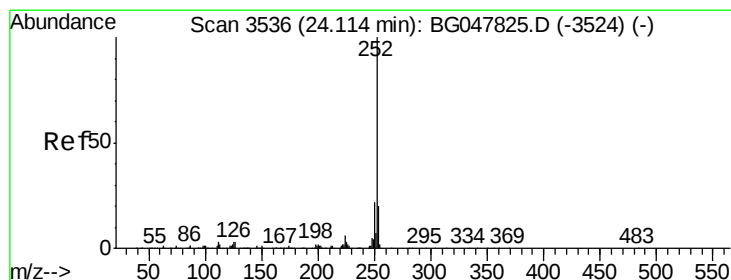
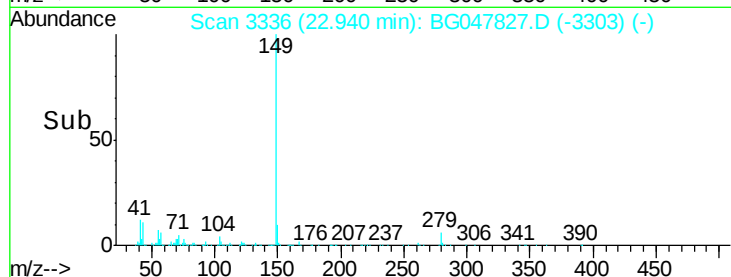
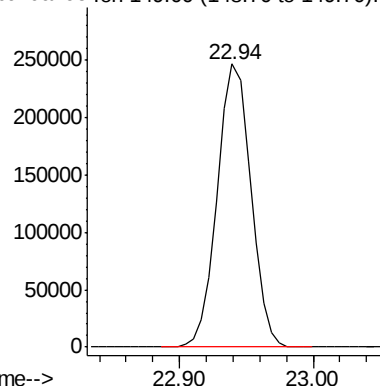
Tgt Ion:149 Resp: 429890

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Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 15.802 ng/ul

RT: 24.11 min Scan# 3535

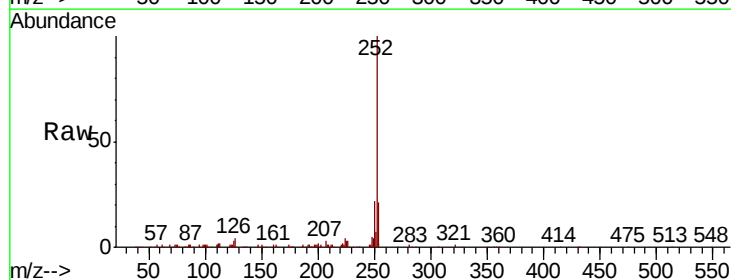
Delta R.T. 0.00 min

Lab File: BG047827.D

Acq: 24 Dec 2020 11:33

Tgt Ion:252 Resp: 205268

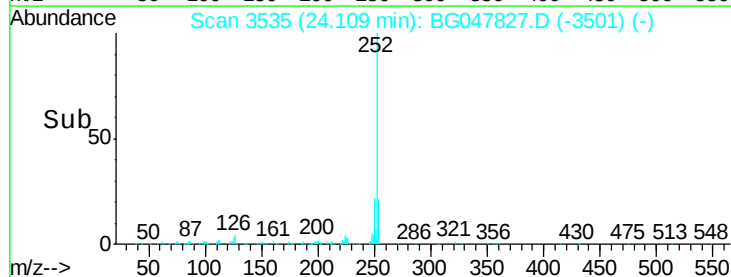
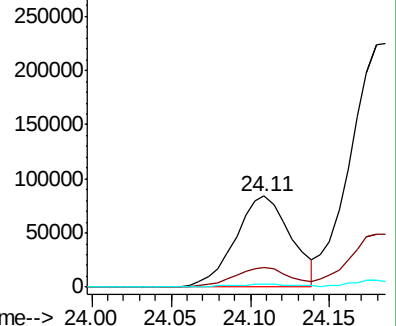
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 20.9  | 18.2  | 27.2  |
| 125 | 3.0   | 2.2   | 3.2   |

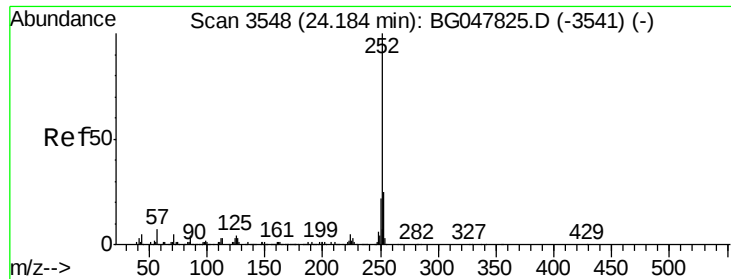


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





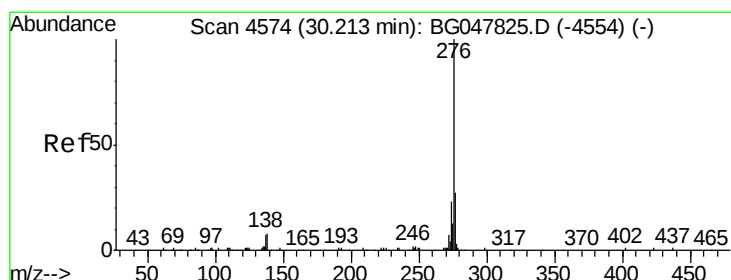
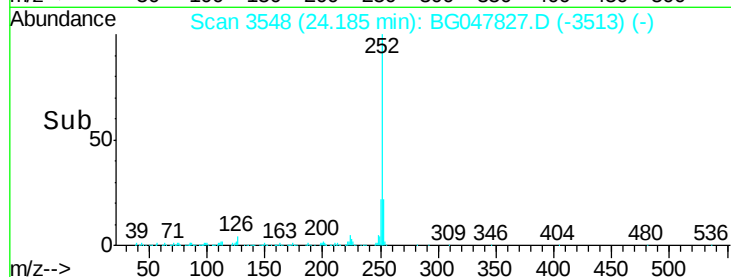
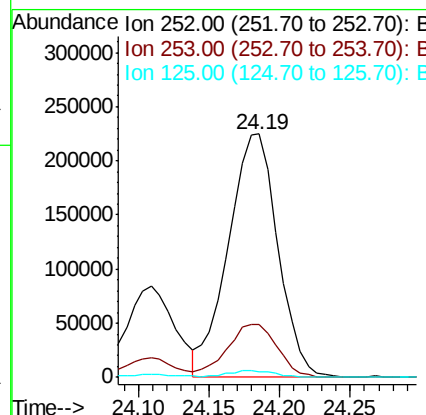
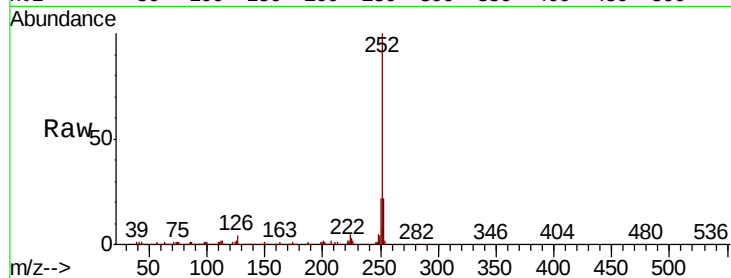
#89  
Benzo(k)fluoranthene  
Concen: 42.909 ng/ul  
RT: 24.19 min Scan# 3548  
Delta R.T. 0.01 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.2  | 25.8  |
| 125     | 2.4   | 3.1   | 4.7#  |

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#94  
Benzo(g,h,i)perylene  
Concen: 27.035 ng/ul  
RT: 30.21 min Scan# 4574  
Delta R.T. 0.01 min  
Lab File: BG047827.D  
Acq: 24 Dec 2020 11:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 7.0   | 5.4   | 8.0   |
| 277     | 22.4  | 17.8  | 26.8  |

