**Supporting File**

**Synthesis of pyridine 4-Carboxaldehyde and thiosemicarbazide derived Schiff base ligand, Their Biological Activity and Molecular Docking Studies of Two Novel Schiff Base and their 3d transition metal complexes**

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Table S1

**Comparison of docking scores of KL-3 and KL4 Ligands with STD DRUGS**

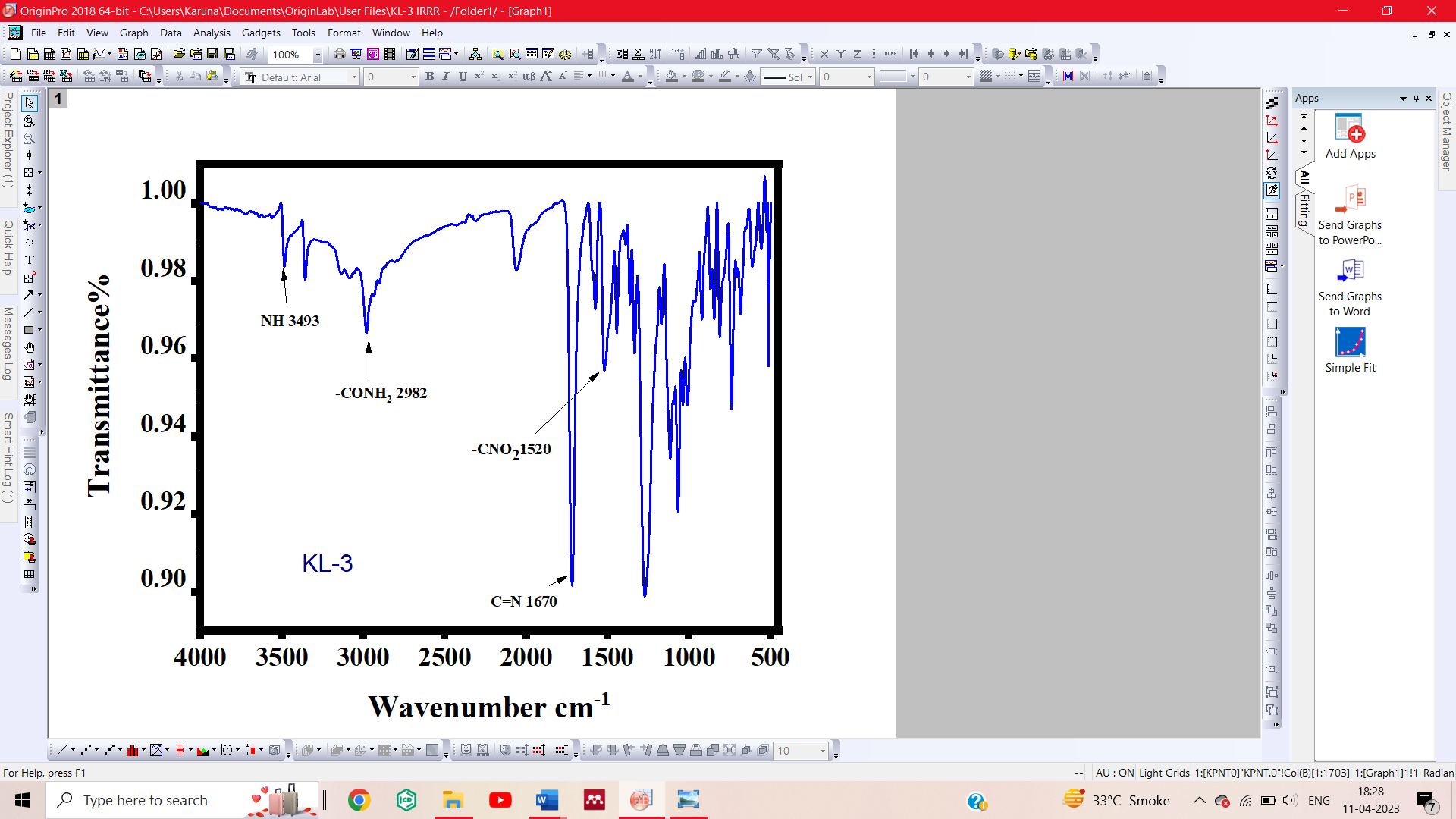
|  |  |
| --- | --- |
| Compound | DOCKING SCORE in Kcal/mol |
| KL-3  KL-4  PYRAZINAMIDE(Z)  CIPROFLOXACIN | -6.0  -7.1  -4.69  -6.45 |

**Figure S1-**

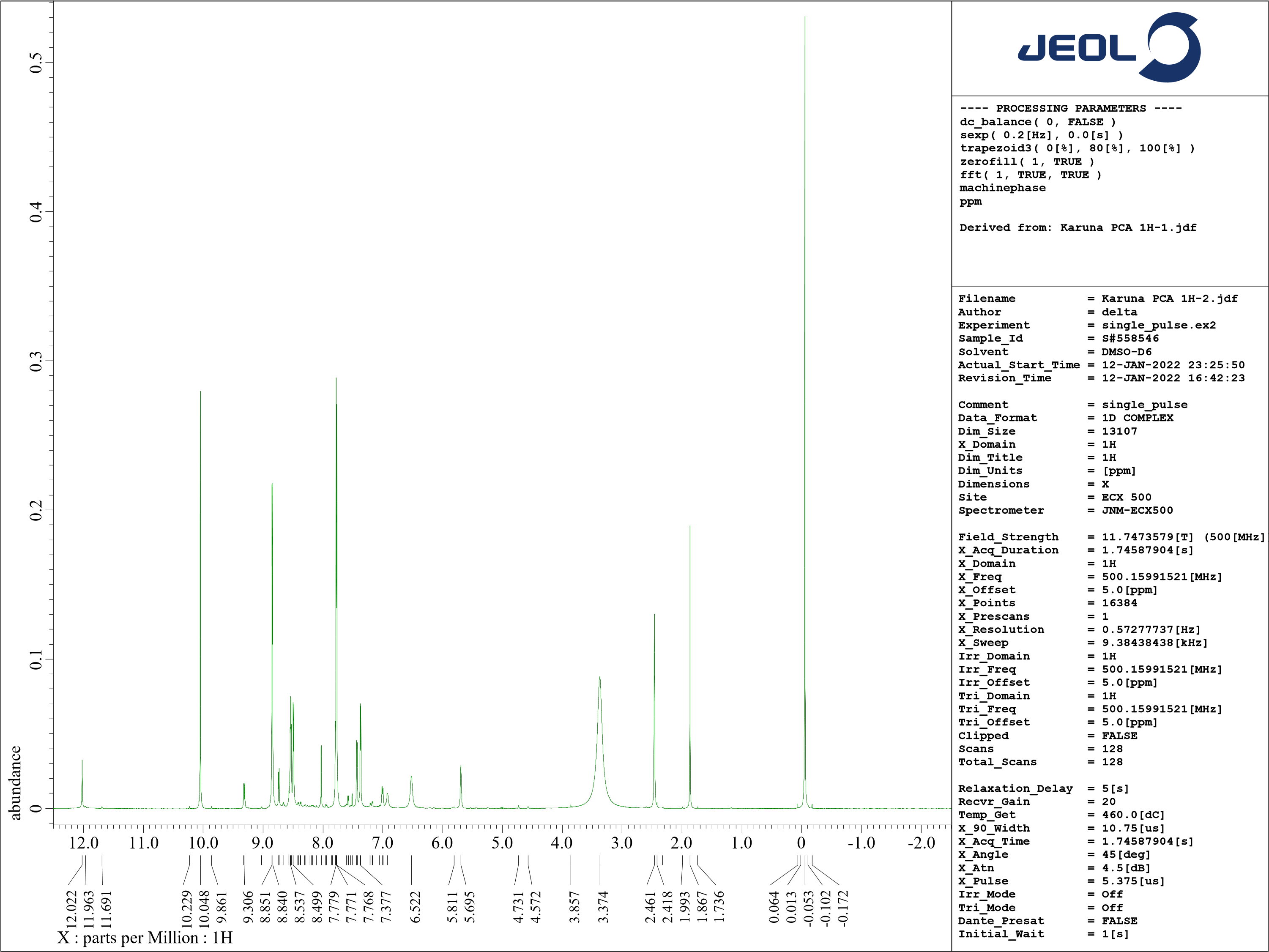
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**IR spectra of KL-3**

**Figure S2-**



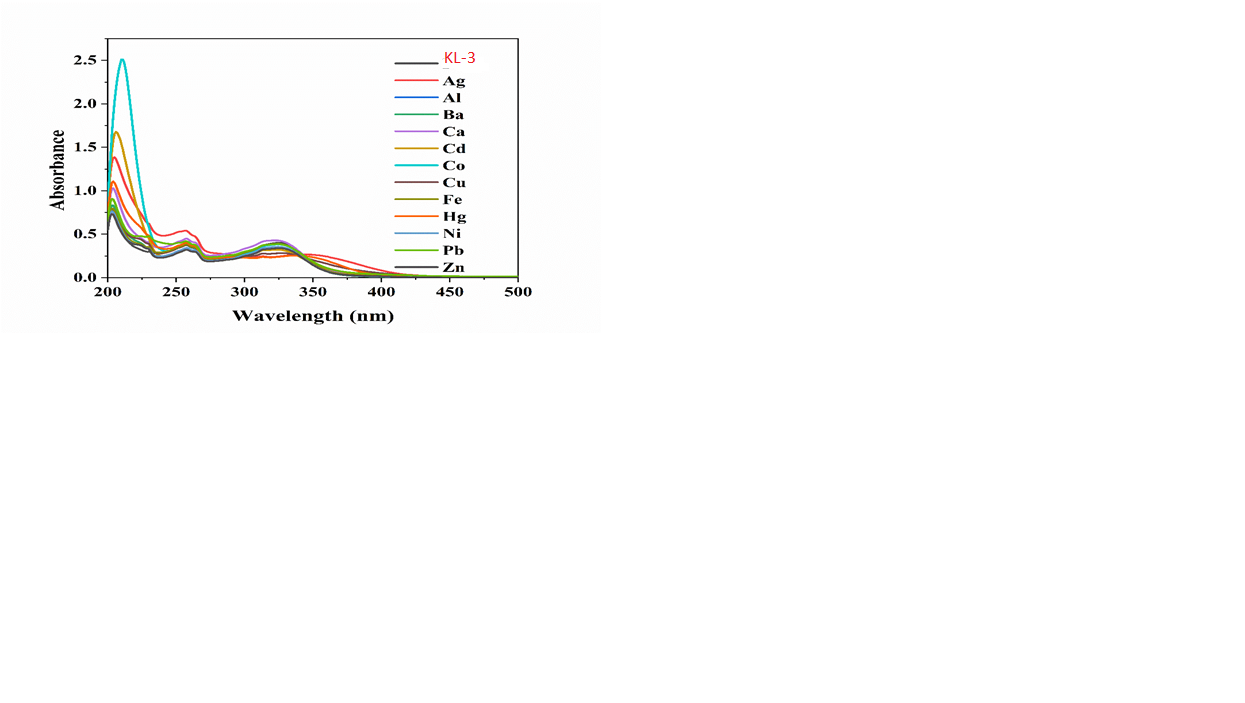
**Figure S3-**

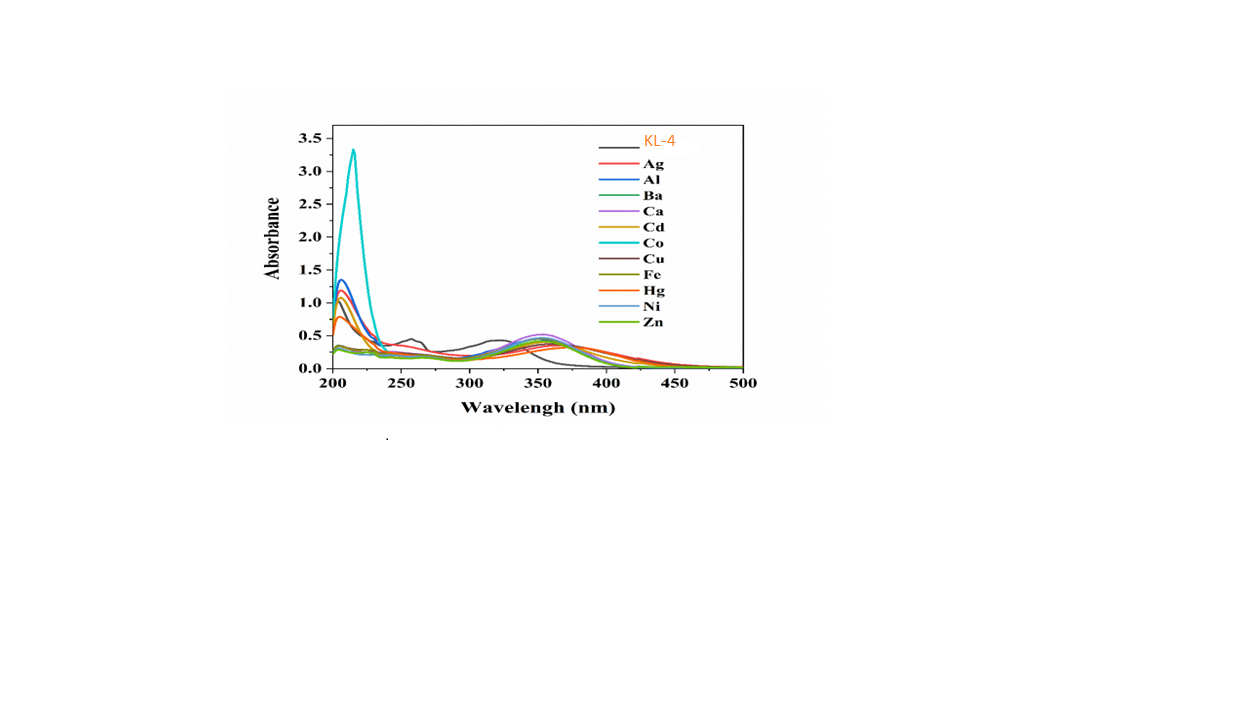


NMR spectra of KL-3

**Figure S-4**

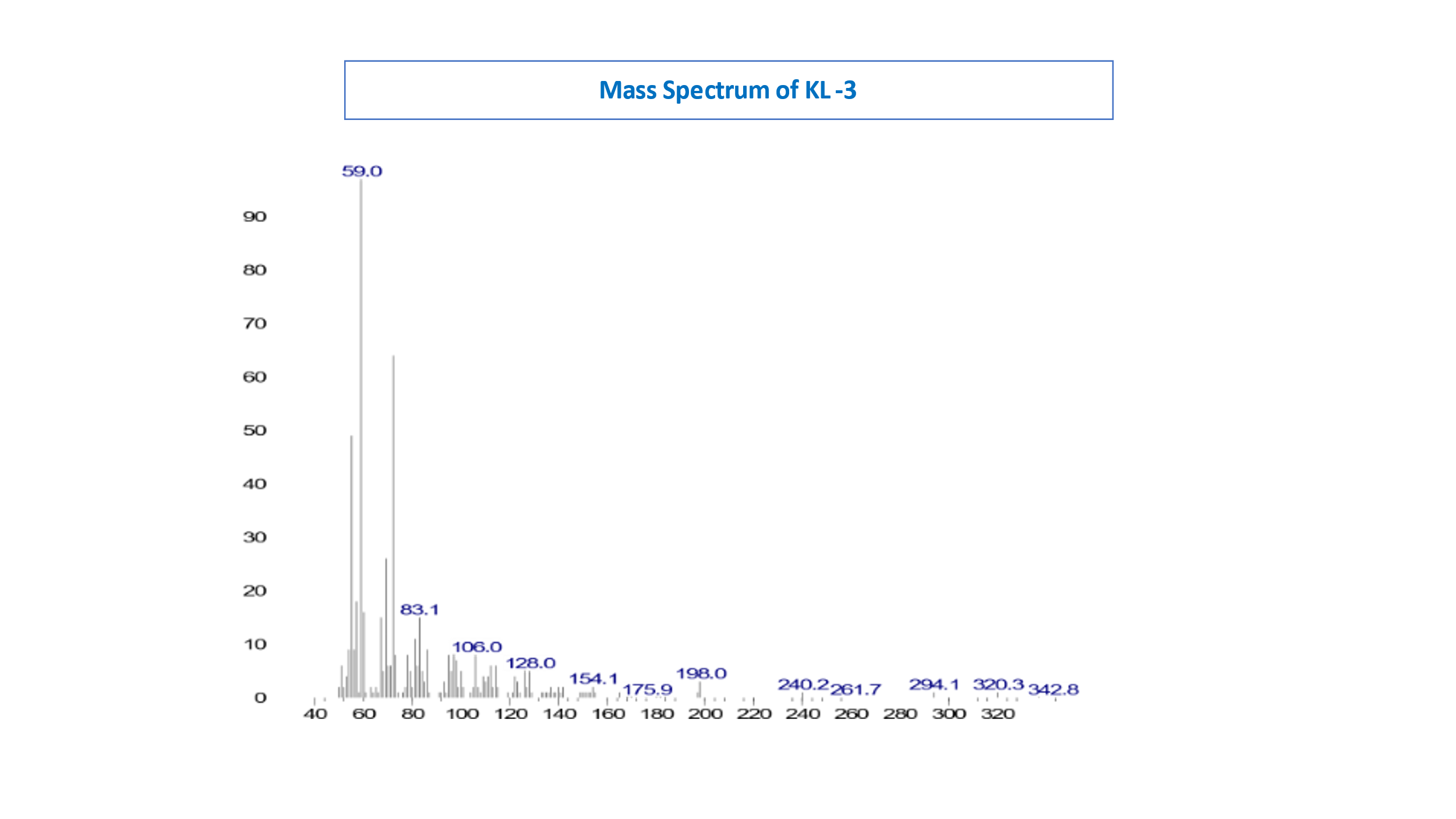


**Figure S-5** 



**Figure S-6**

**Figure S-7-**



**Figure S-8-**



**Figure S-9-**