

## New Journal of Chemistry

### Synthesis and properties of a series of iridium complexes with imidazolo[2,1-b]thiazole derivatives as primary ligands

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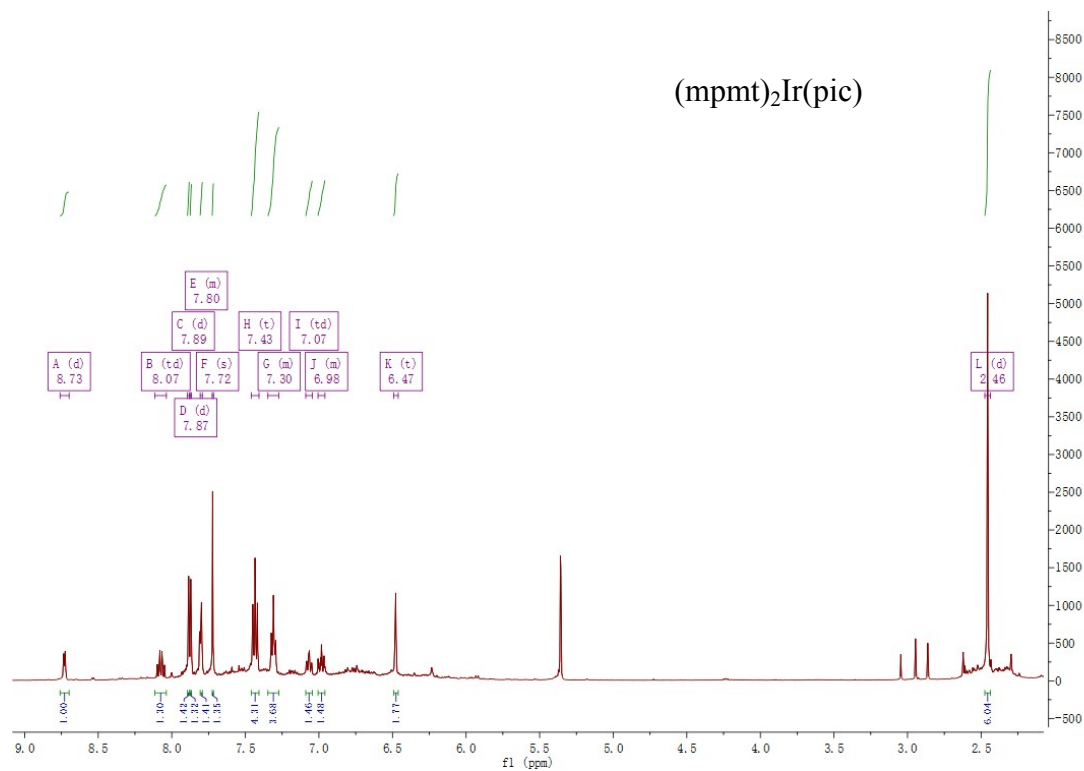
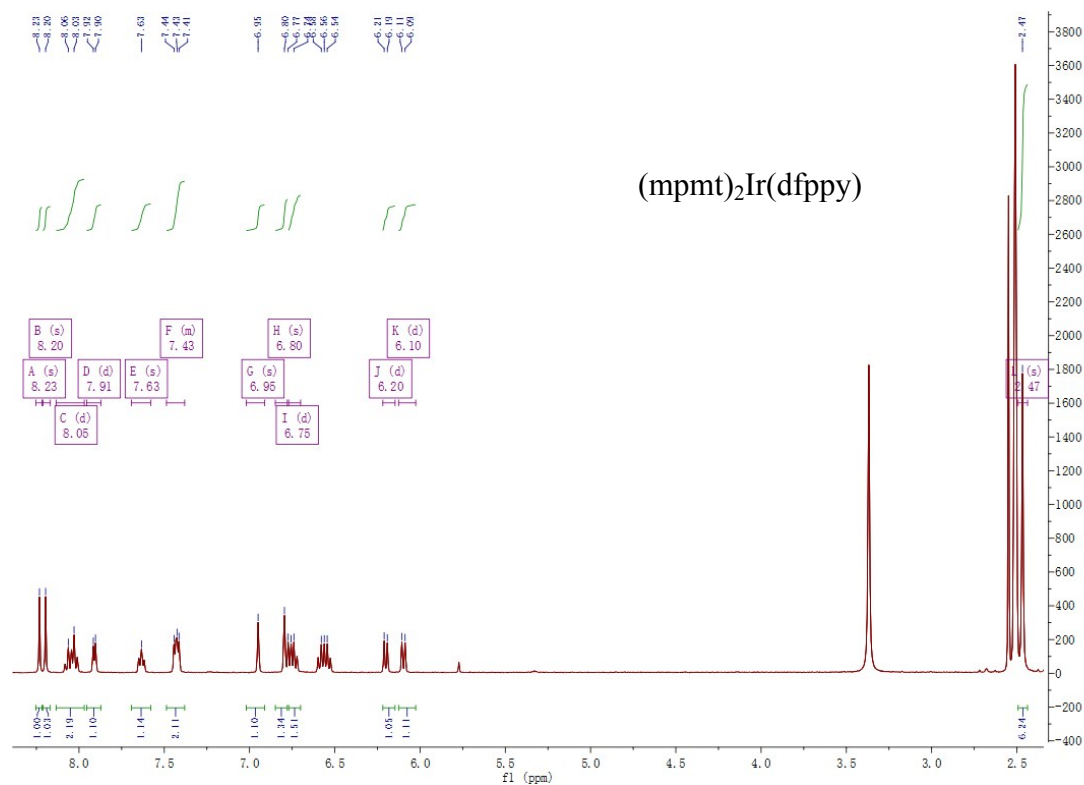
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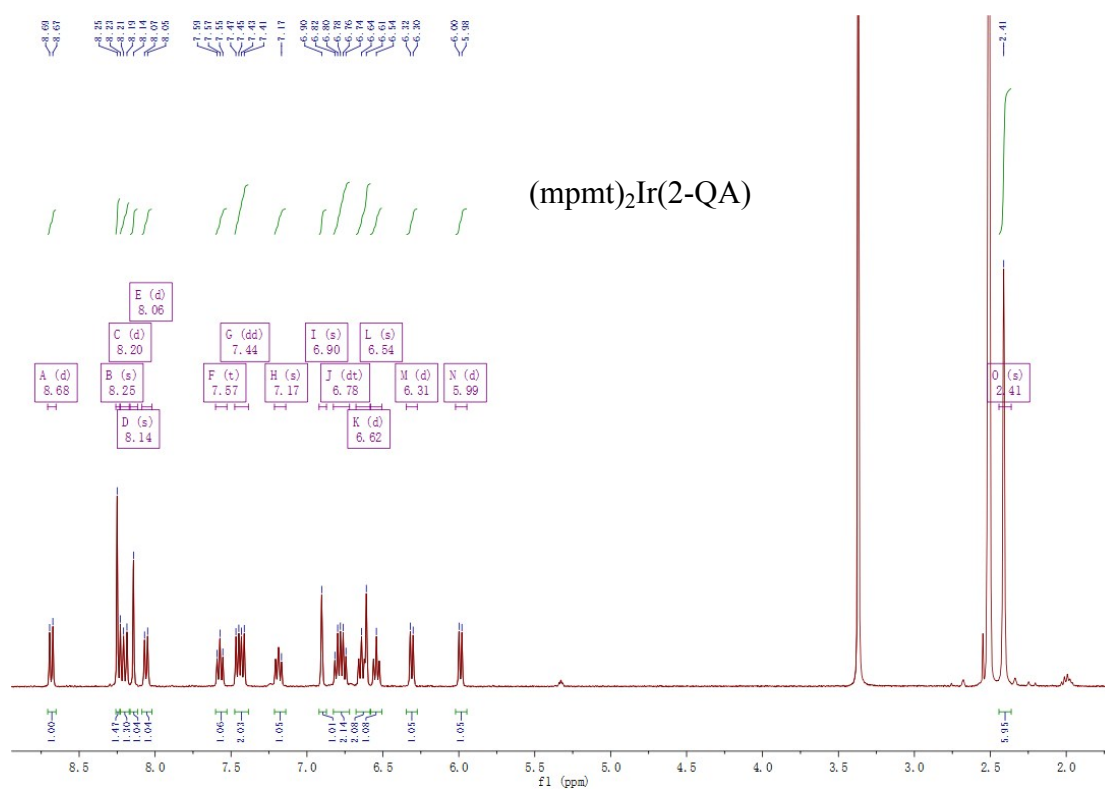
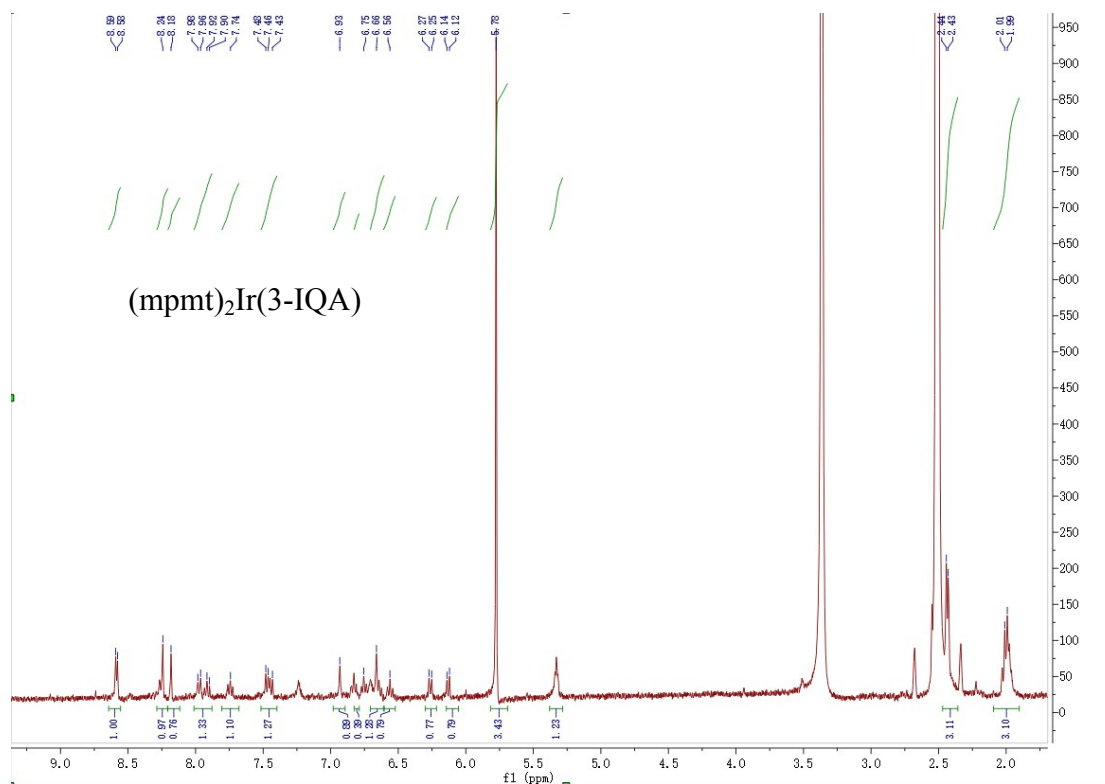
*576 88660177; E-mail: [zhang\\_jie@tzc.edu.cn](mailto:zhang_jie@tzc.edu.cn))*

### Electronic Supporting Information

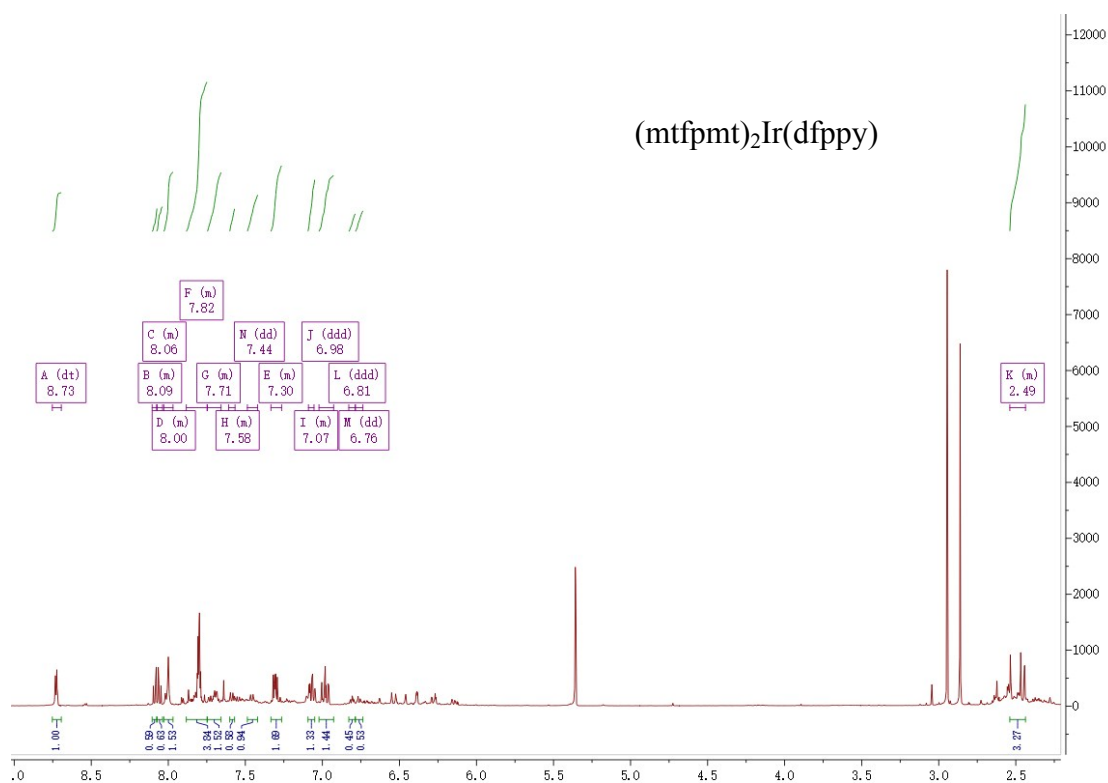
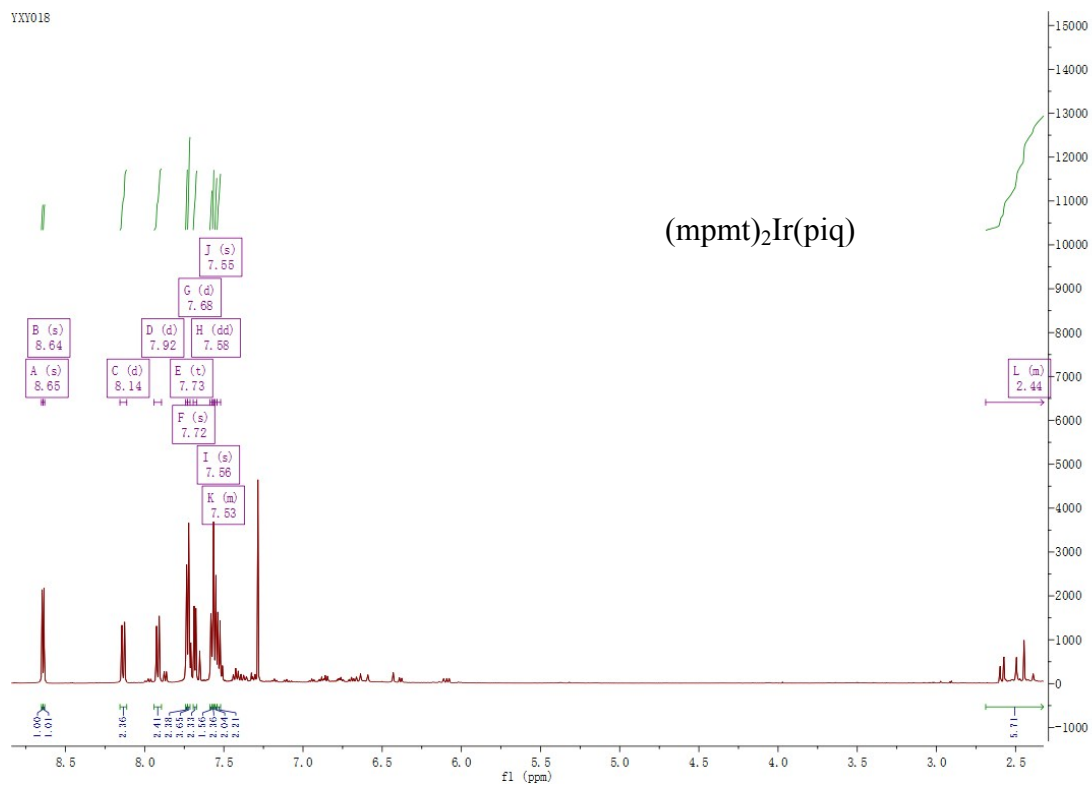
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|---|-----|
| 1. <sup>1</sup> H NMR spectra for the title compounds and mtfpmt  | S2  |
| 2. <sup>13</sup> C NMR spectra for the title compounds and mtfpmt | S8  |
| 3. IR spectra for the title compounds and mtfpmt                  | S14 |
| 4. ESI- MS spectra for title compounds and nmtfpmt                | S20 |
| 5. CV spectra for the title compounds                             | S23 |

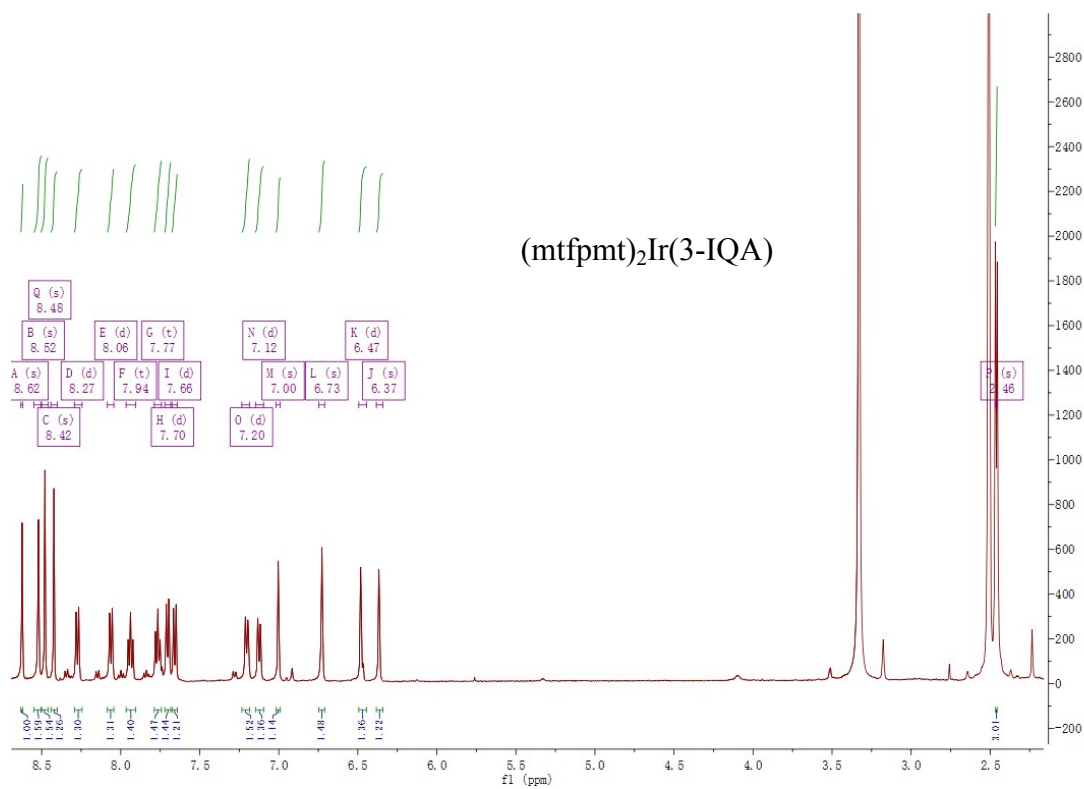
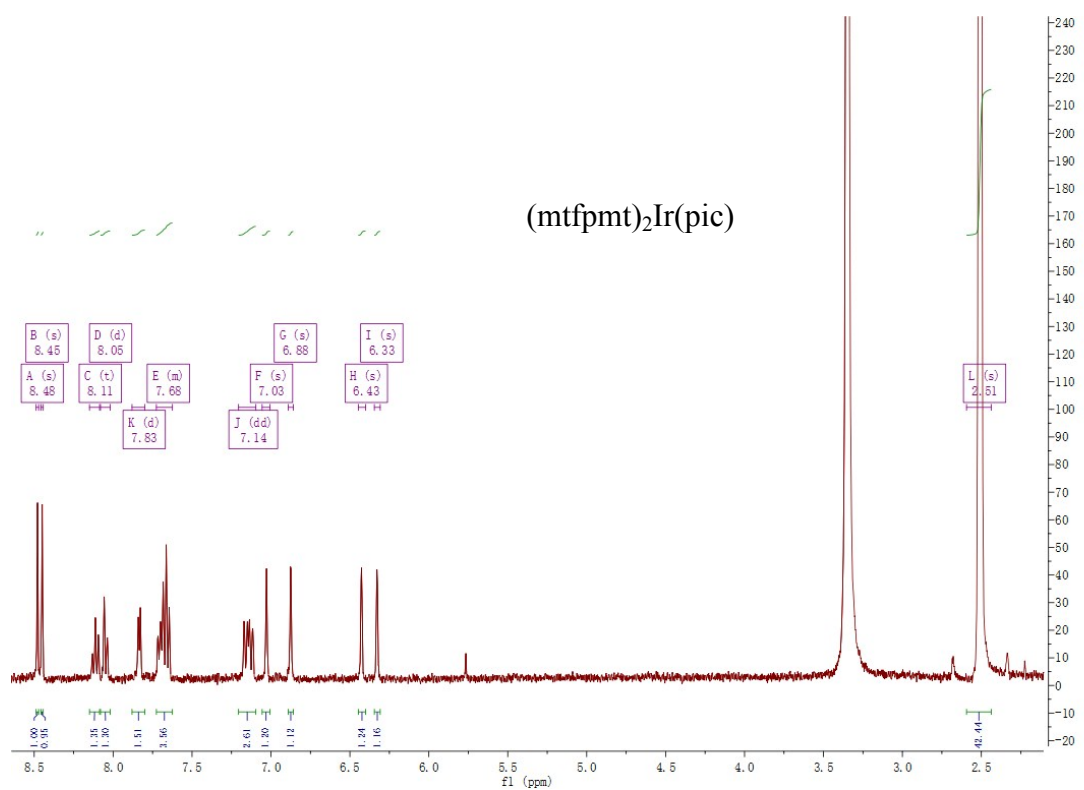
## $^1\text{H}$ NMR spectra for the title compounds and mtfpmt:

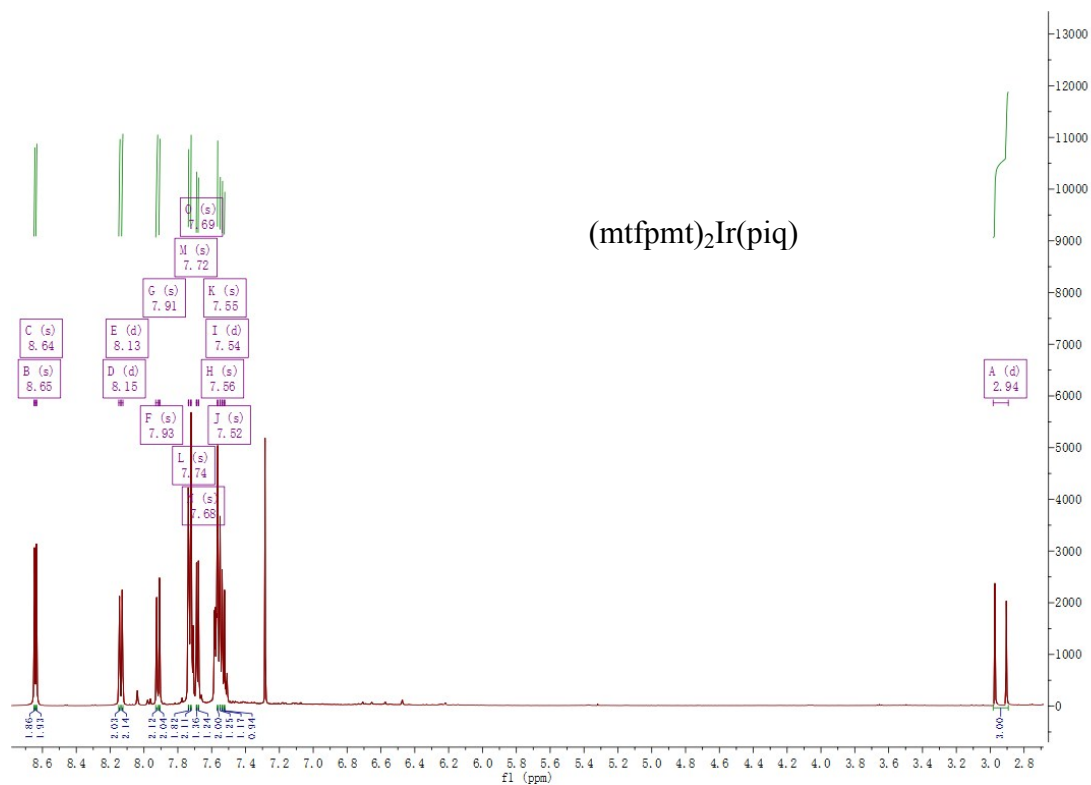
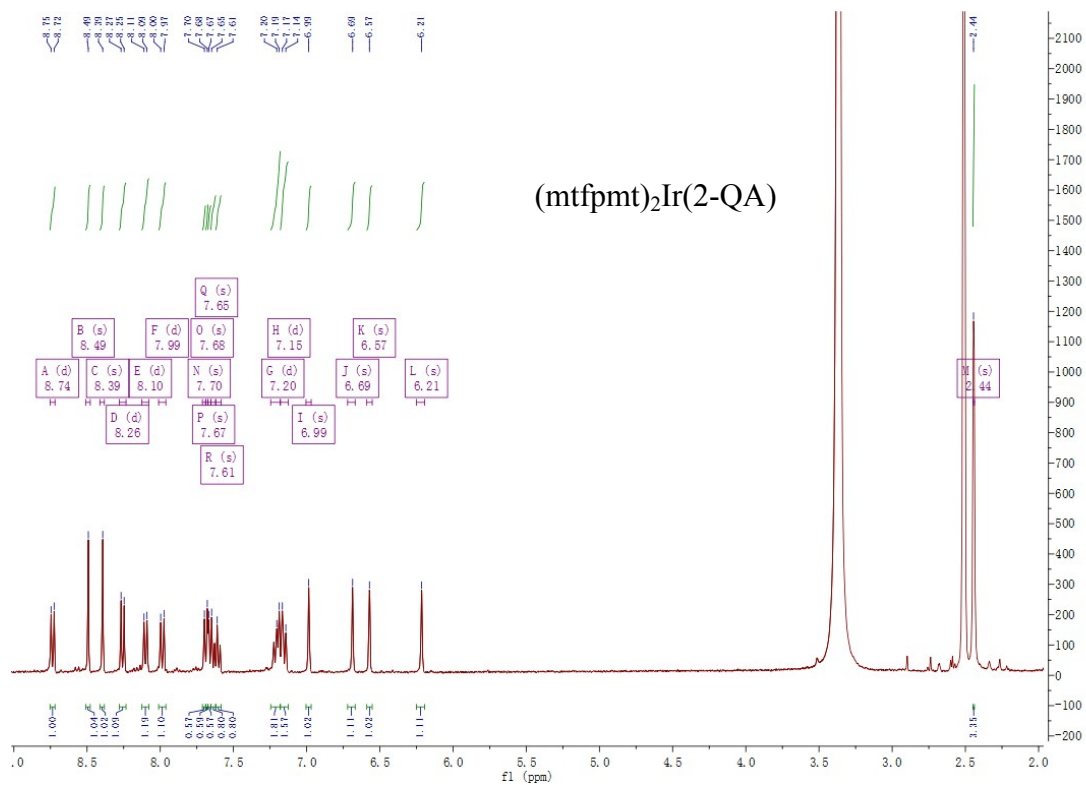


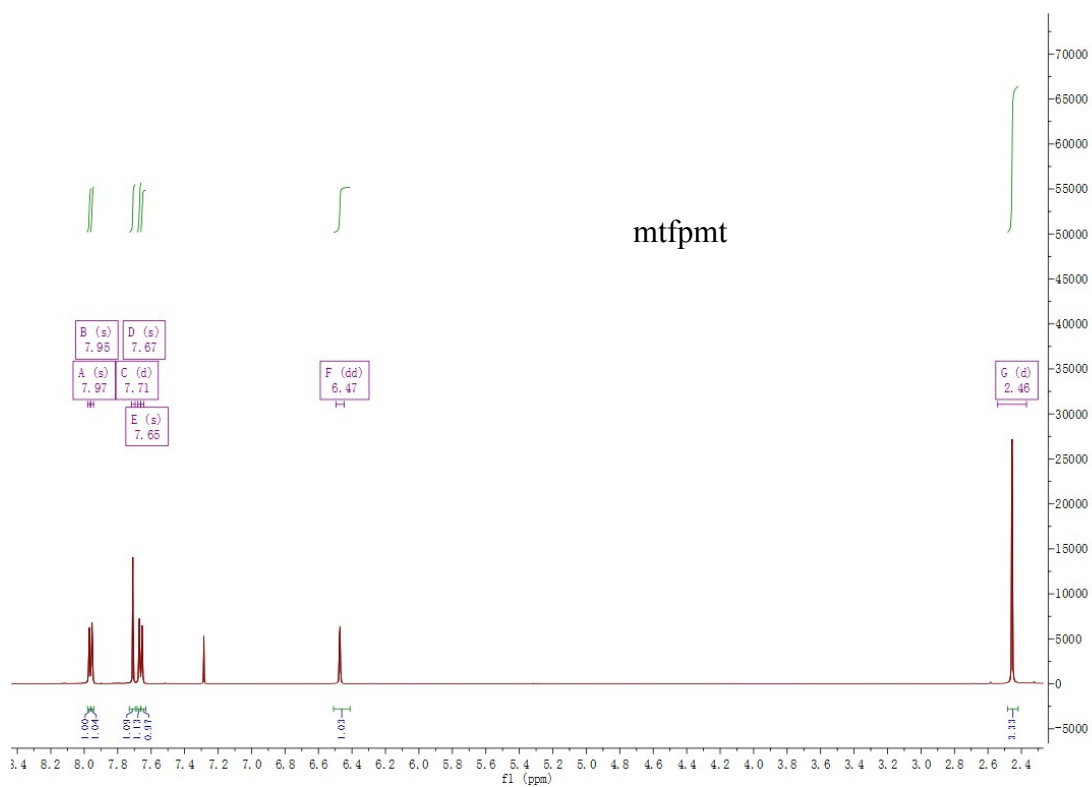


YXY018

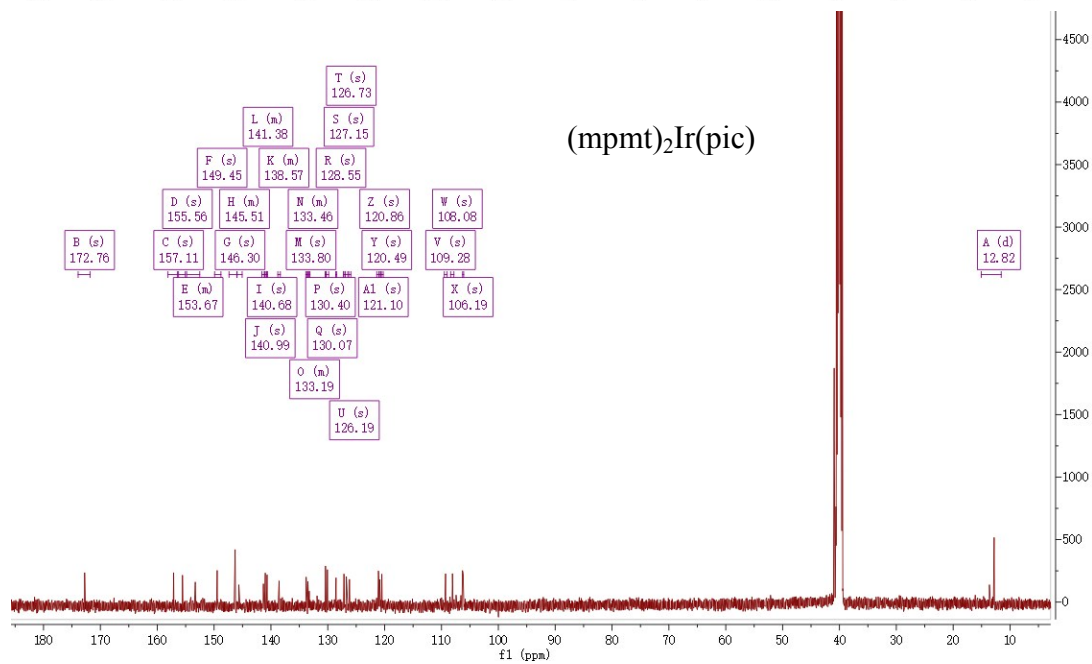
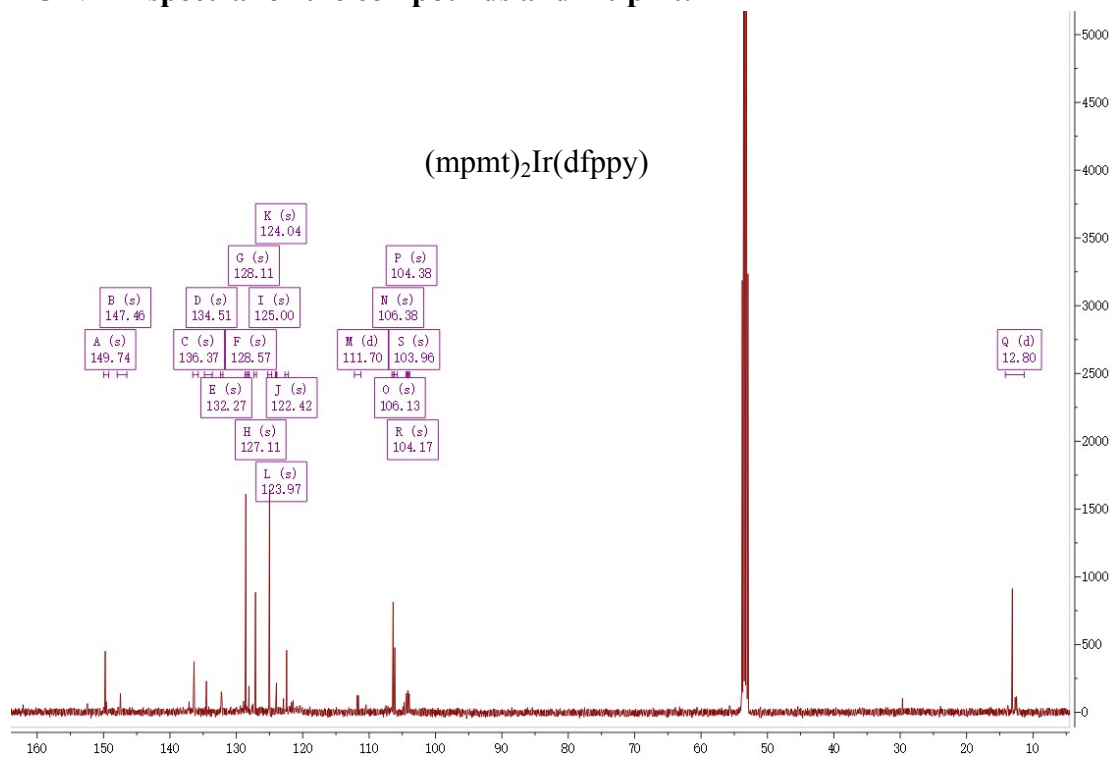






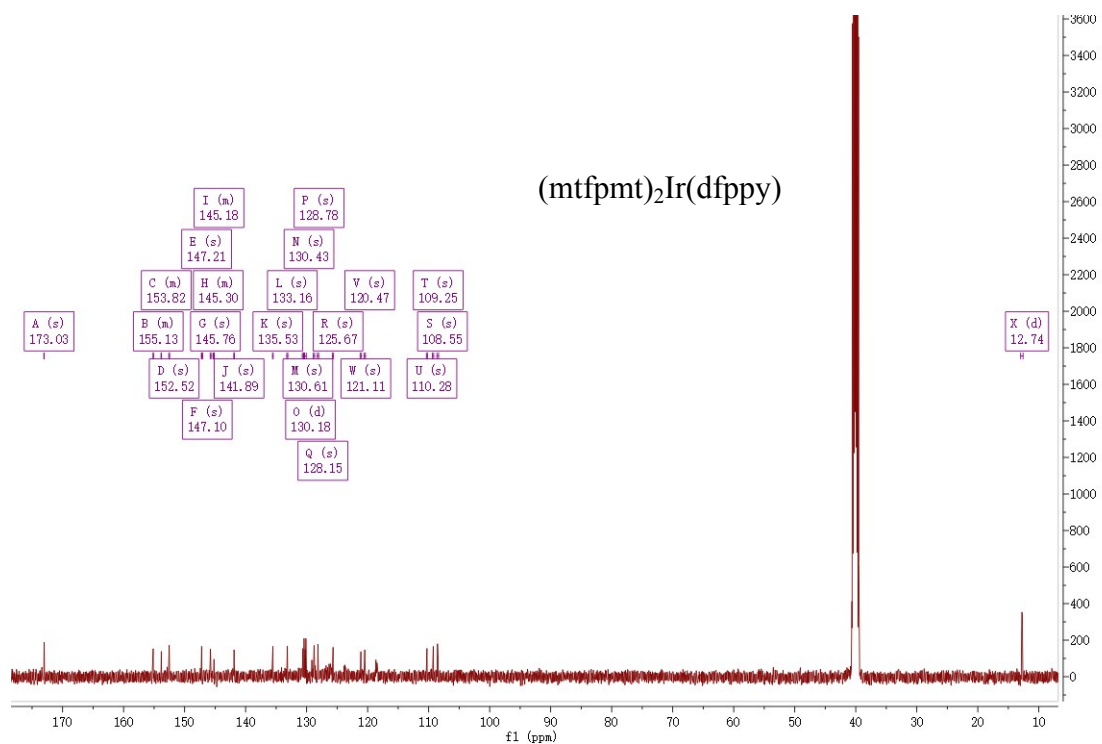
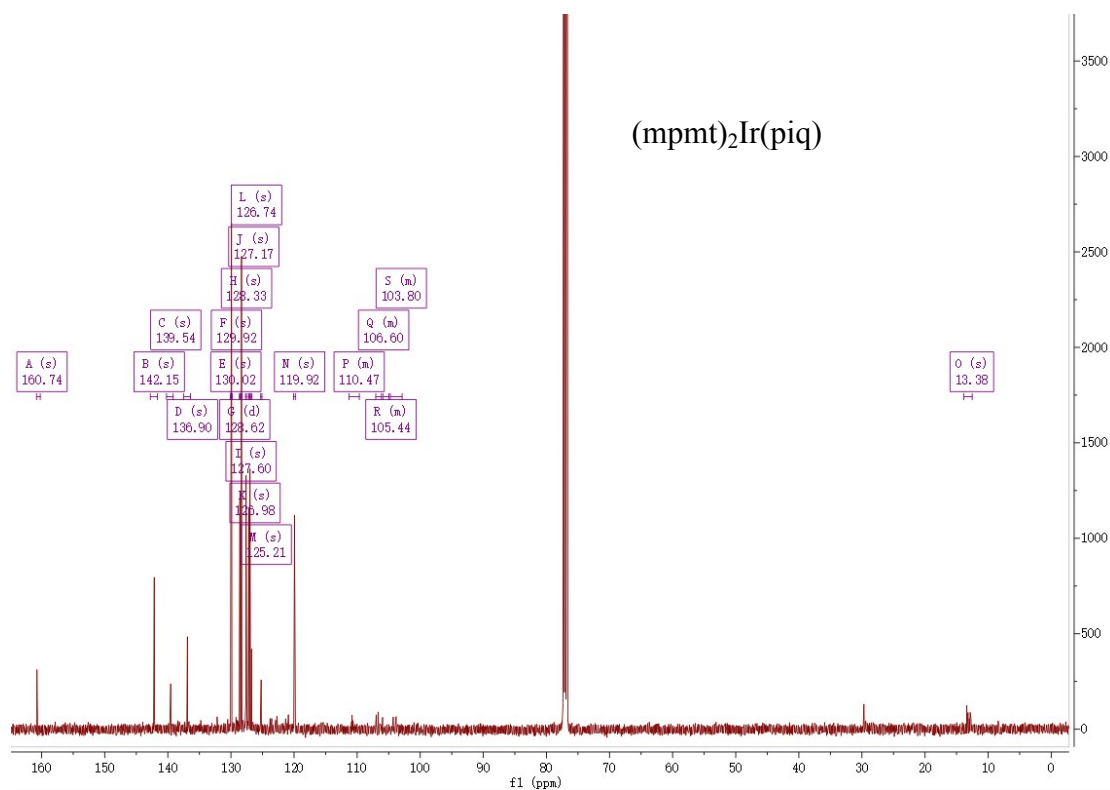


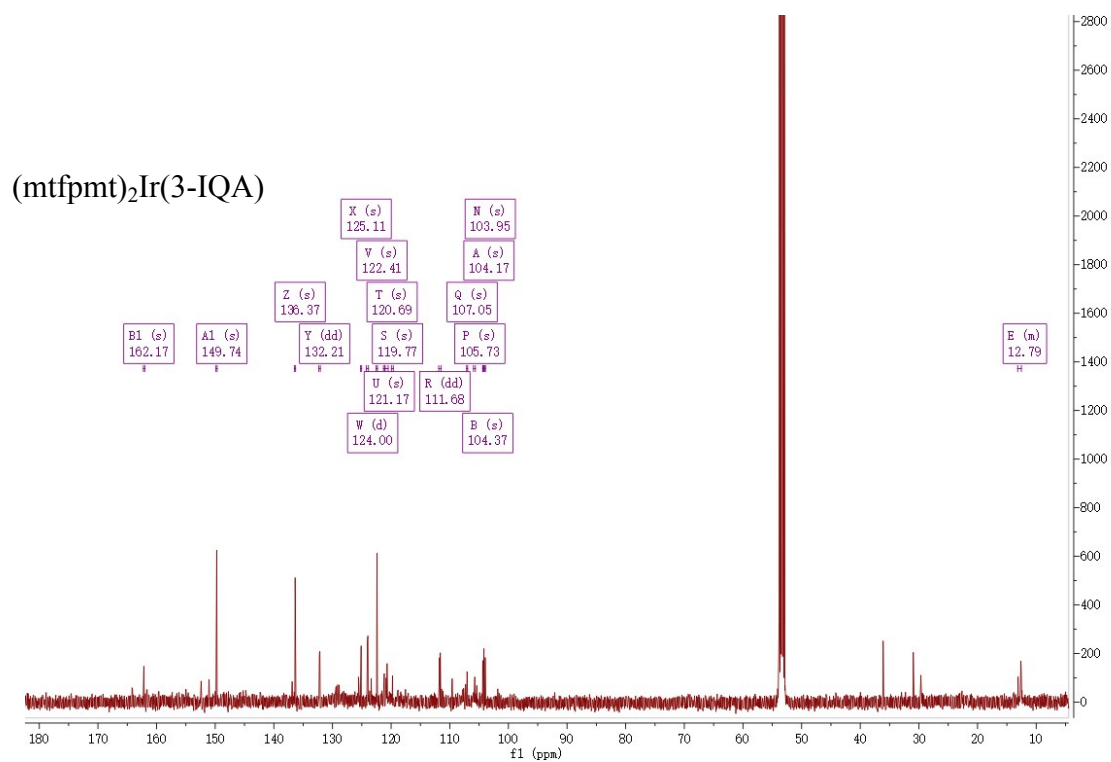
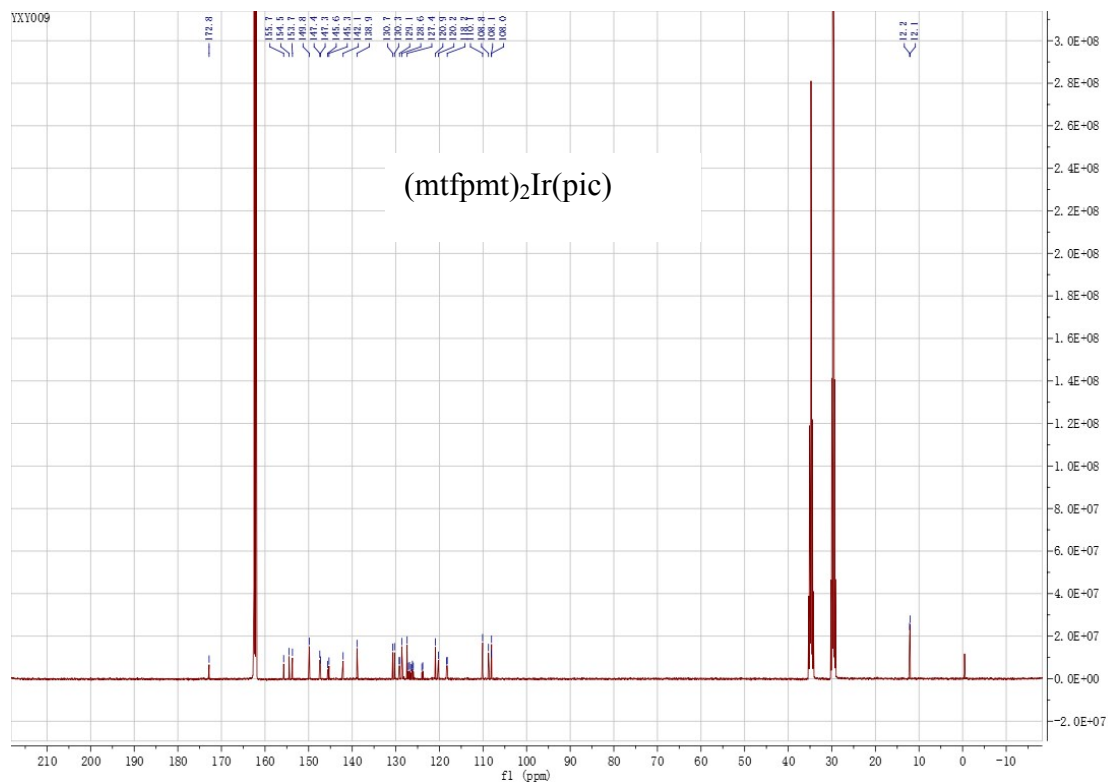
## $^{13}\text{C}$ NMR spectra for the compounds and mtfpmt:

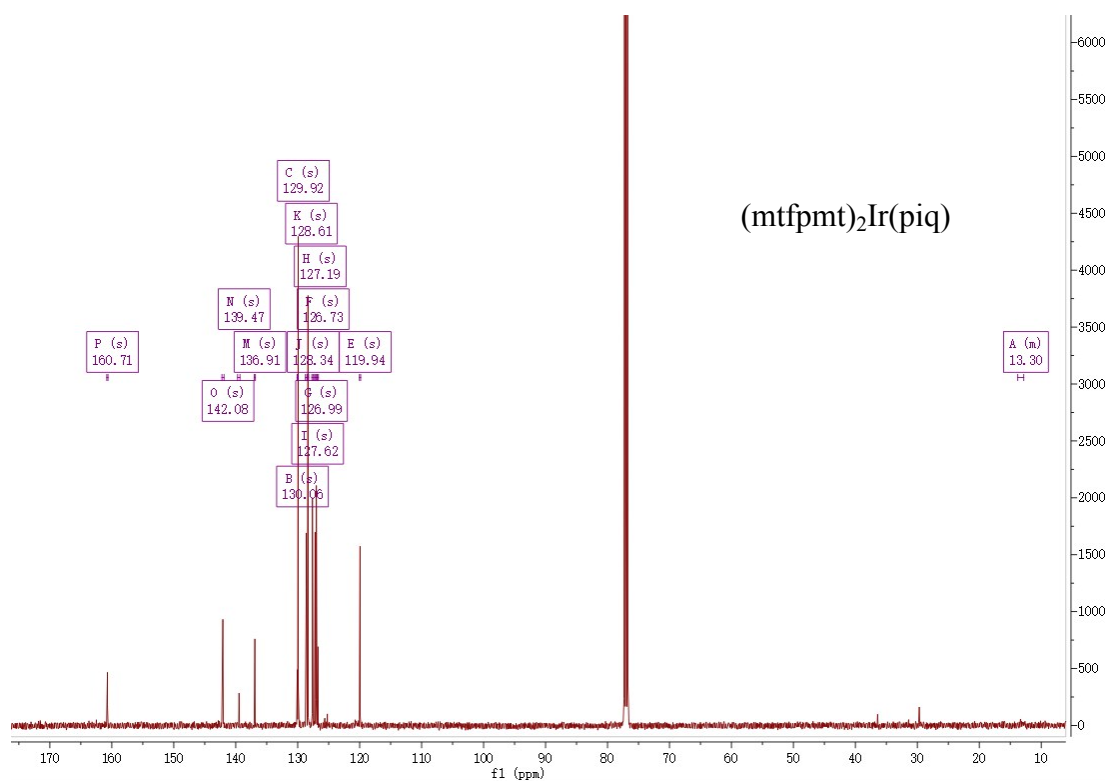
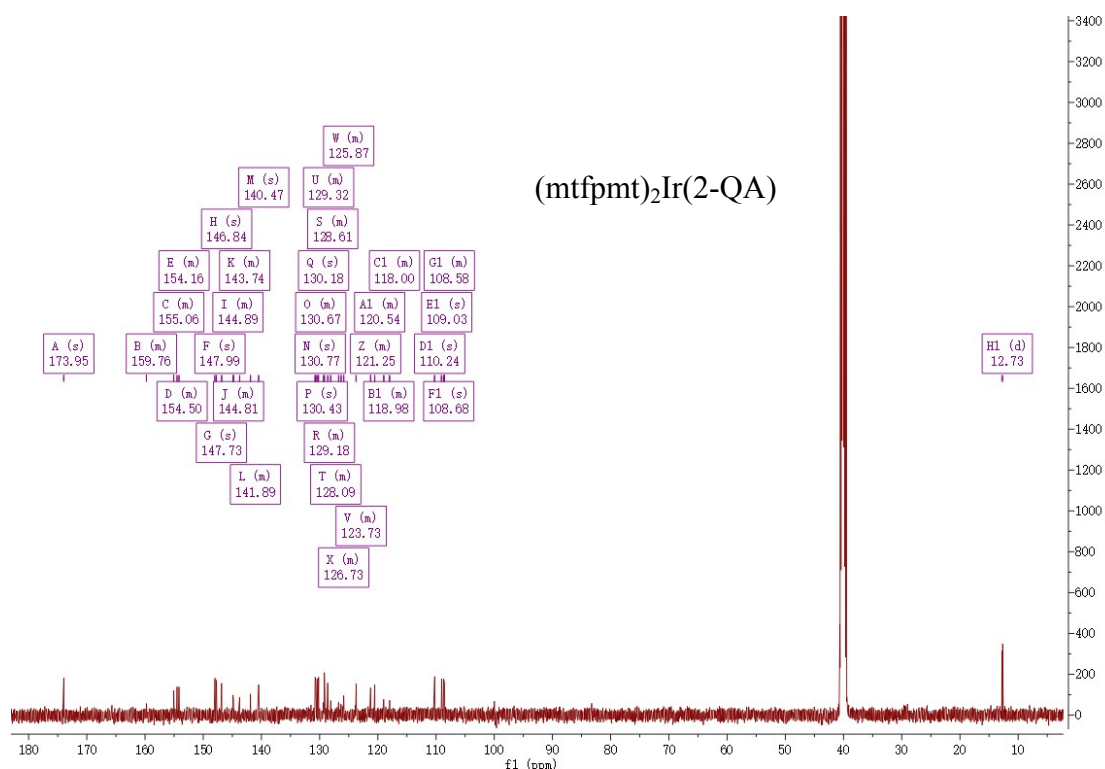


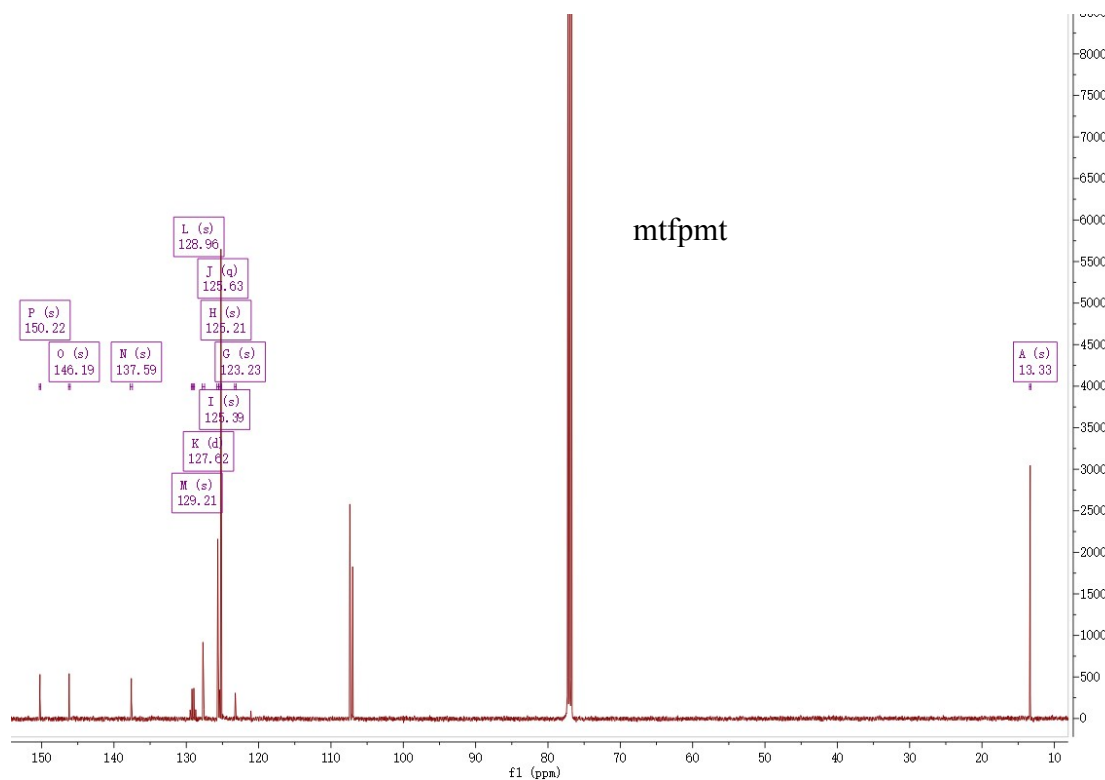




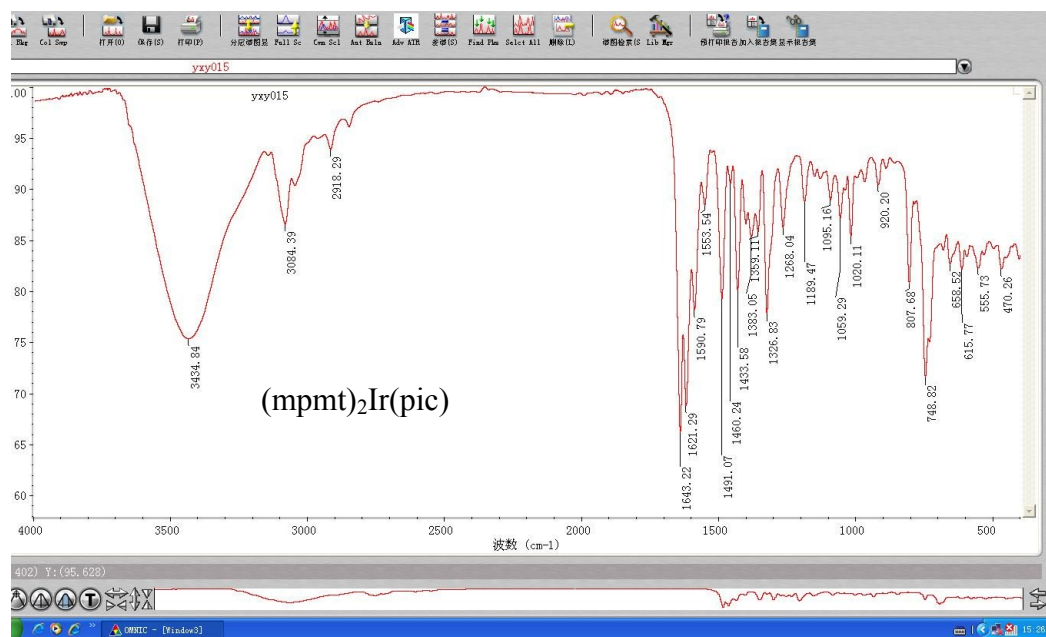
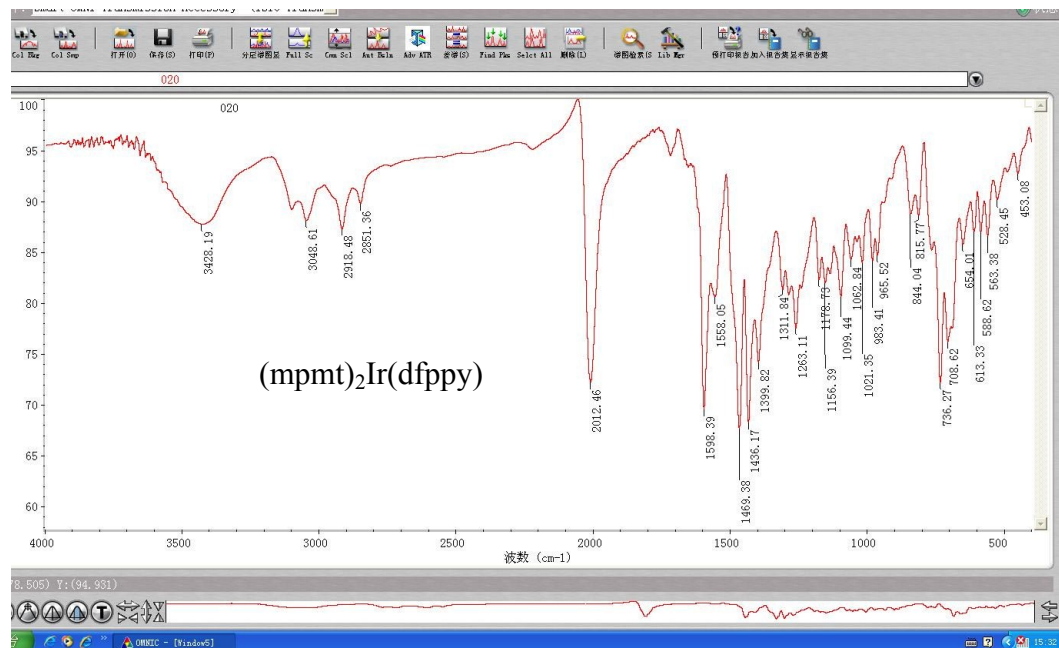




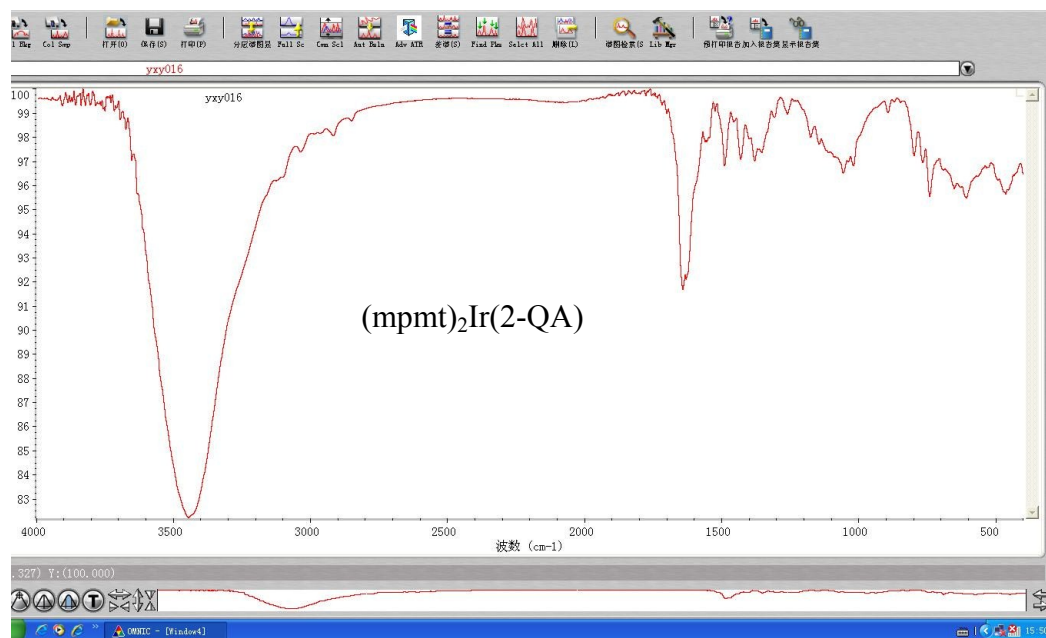


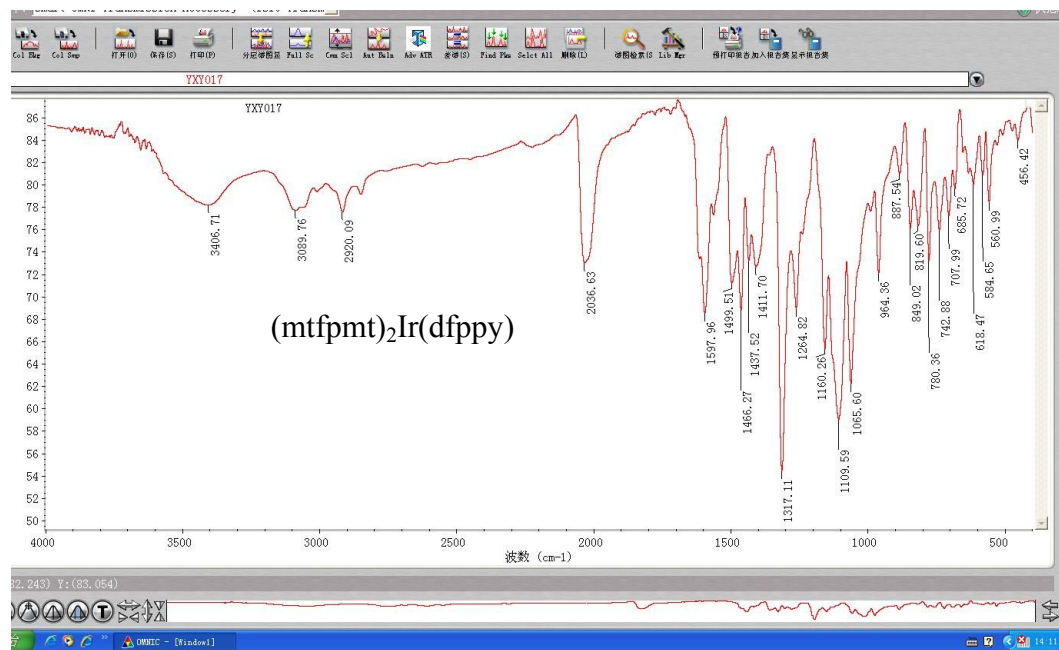
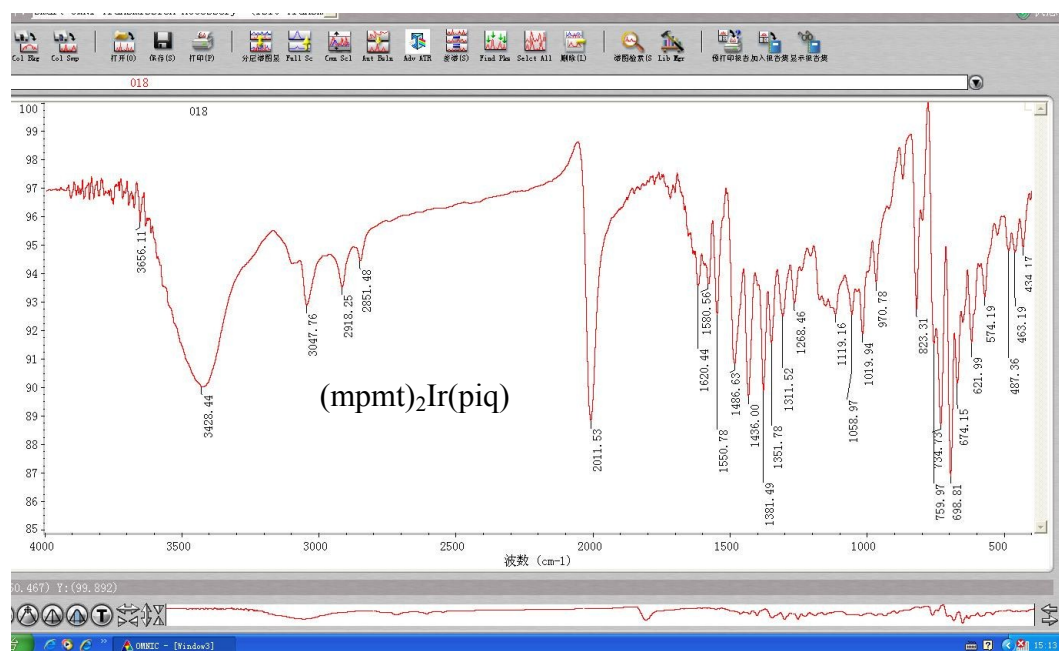


## IR spectra for the compounds mtfpmt:

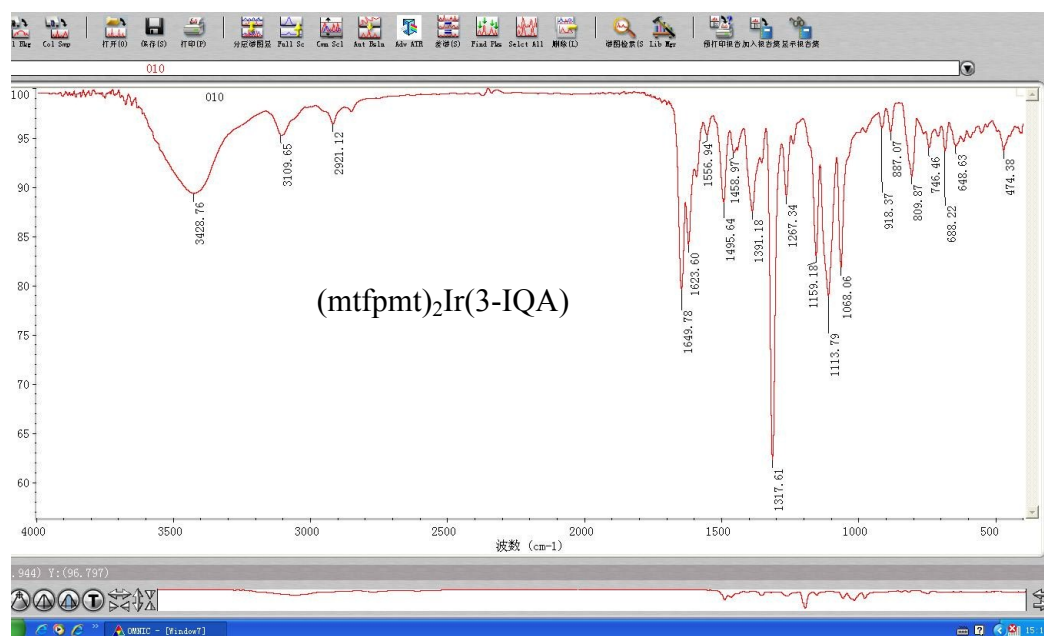
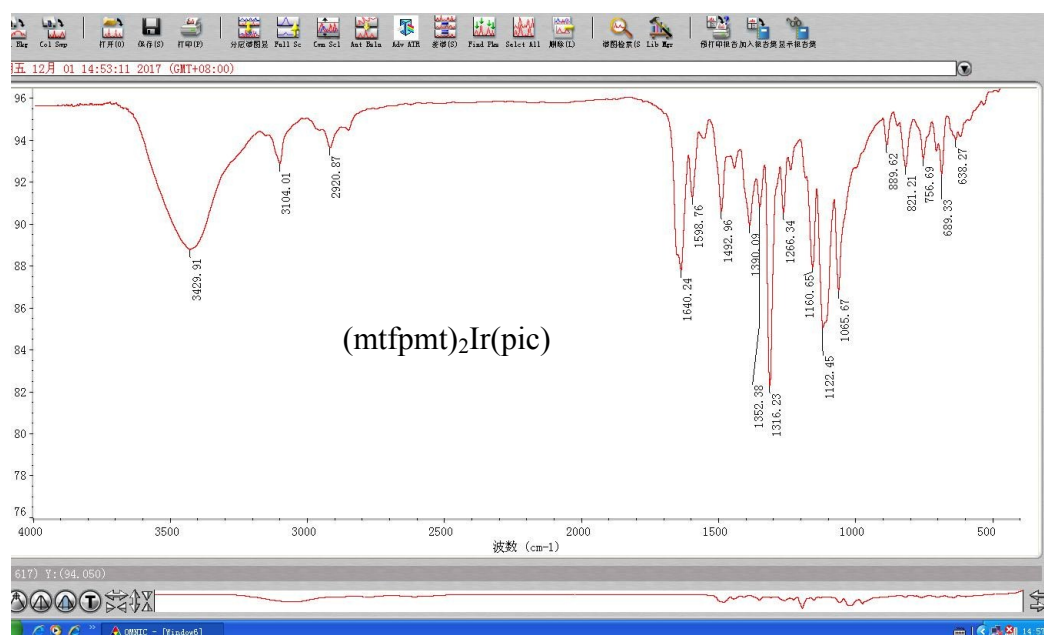


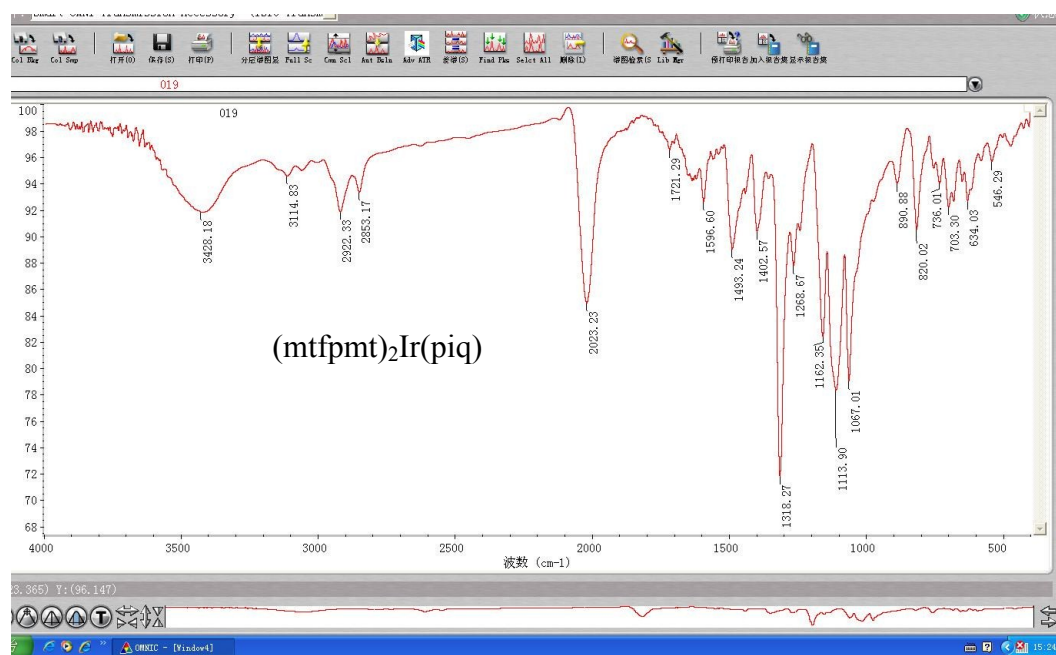
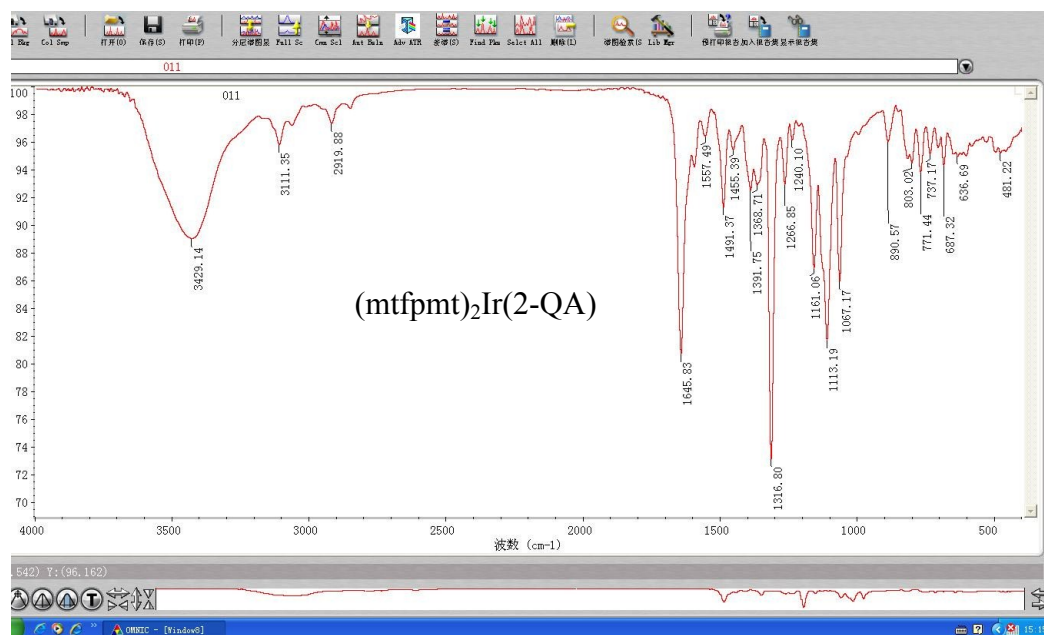
$(\text{mpmt})_2\text{Ir}(3\text{-IQA})$

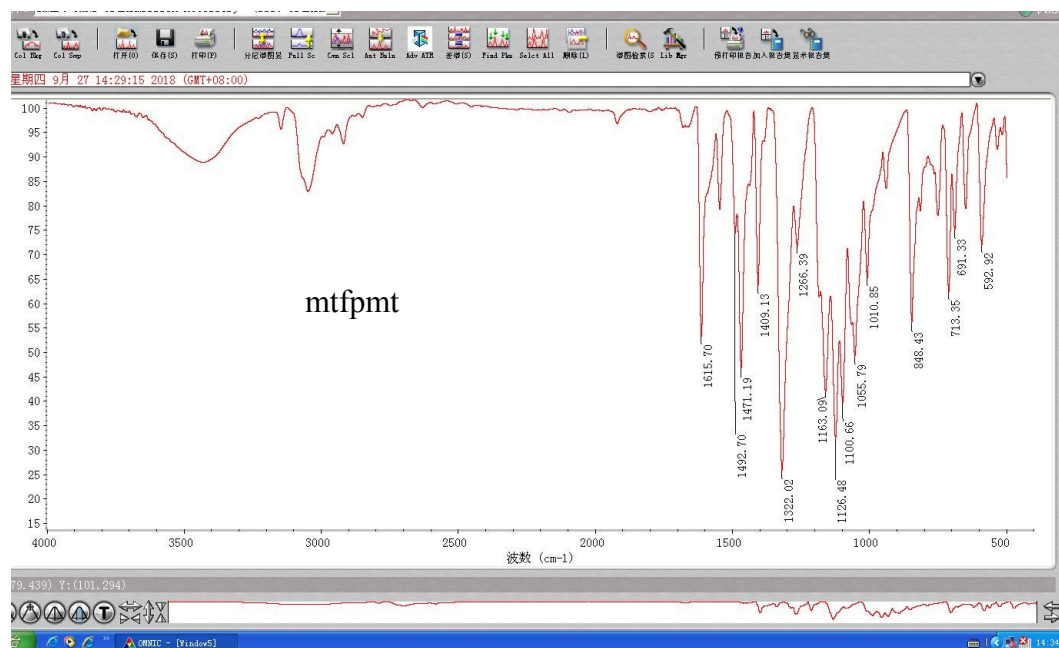




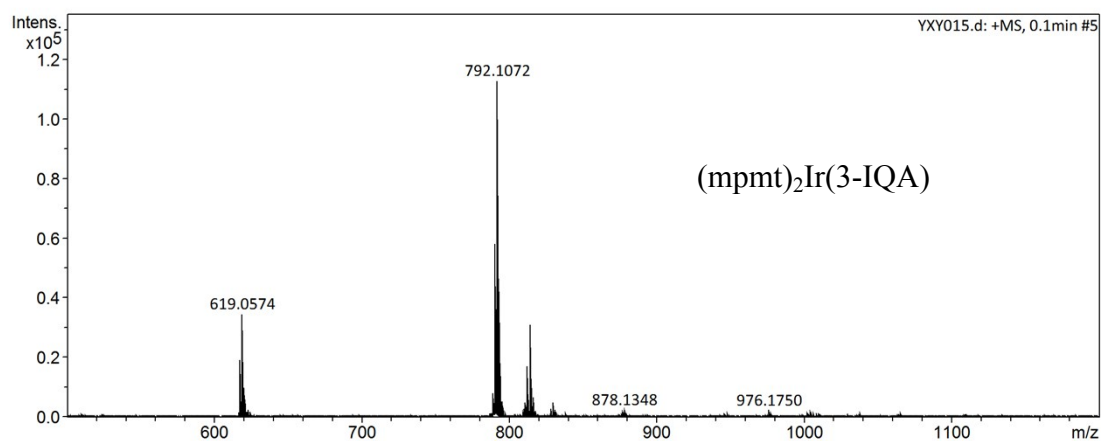
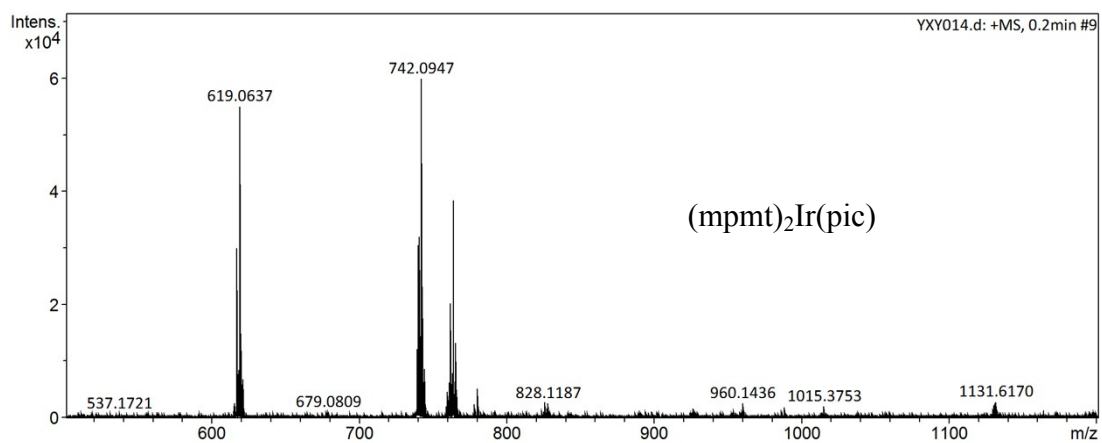
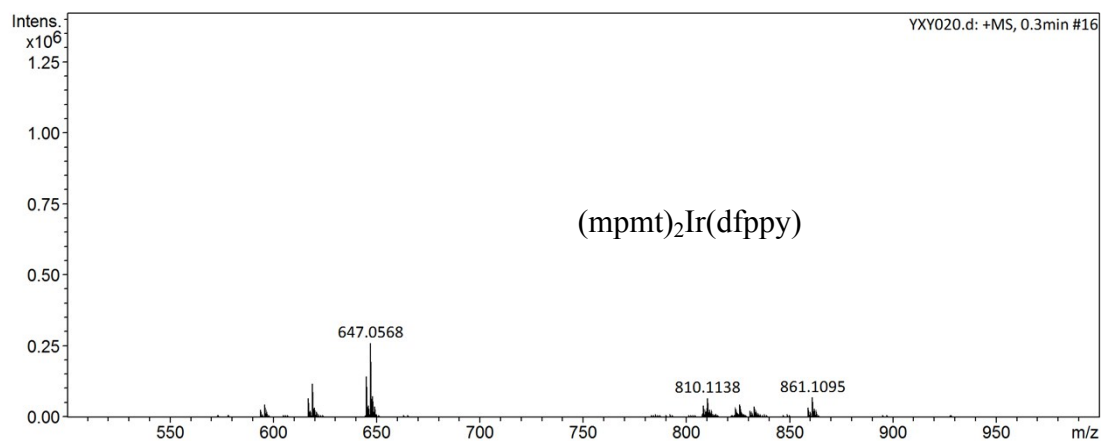


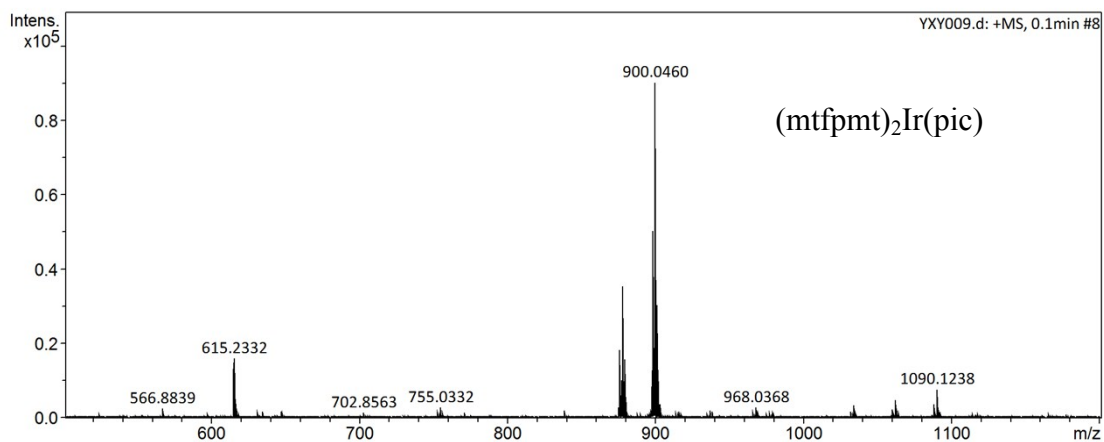
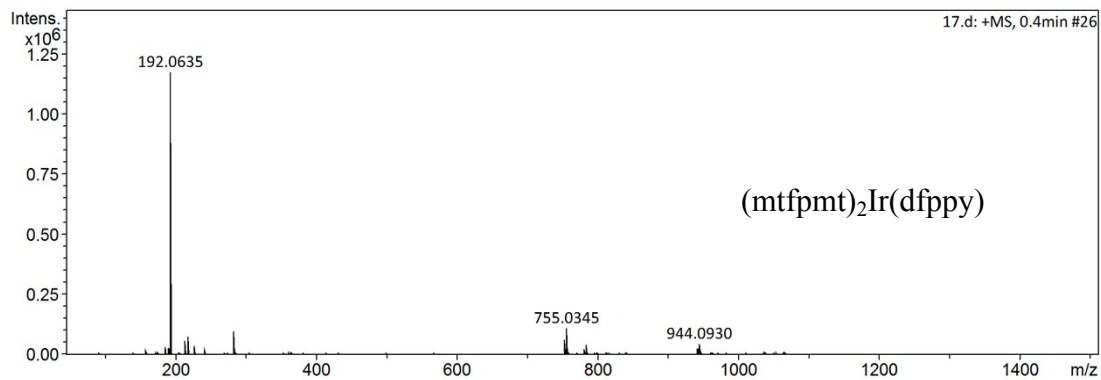
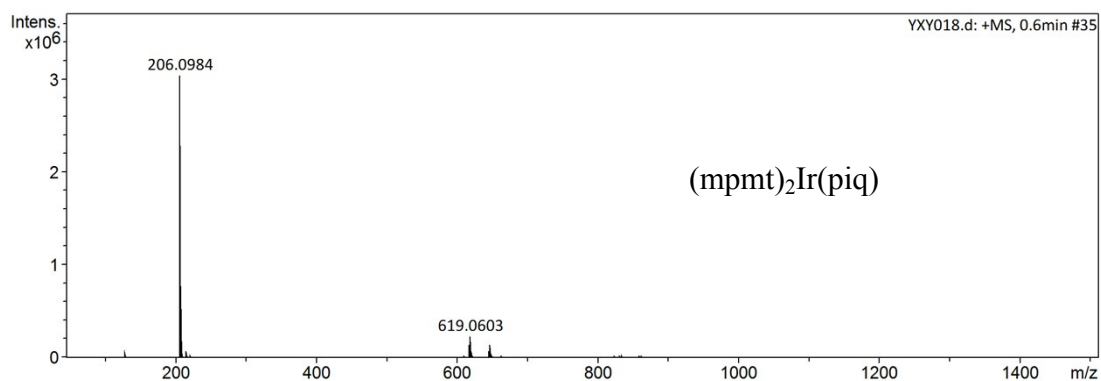
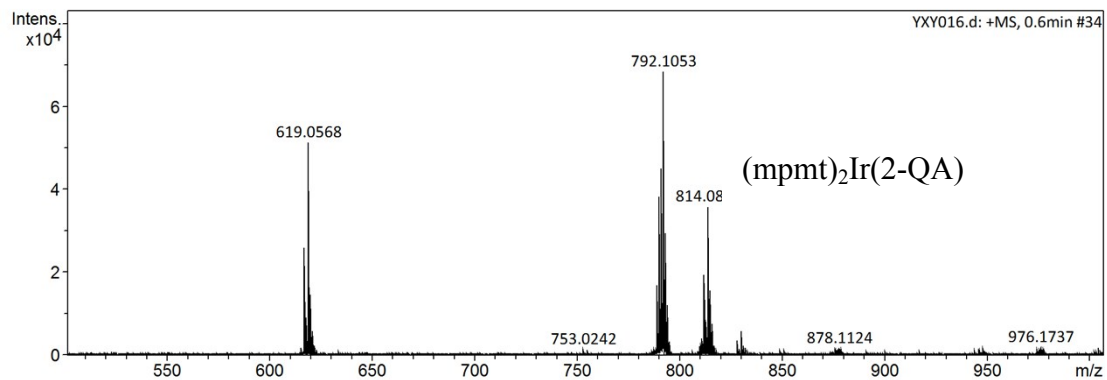


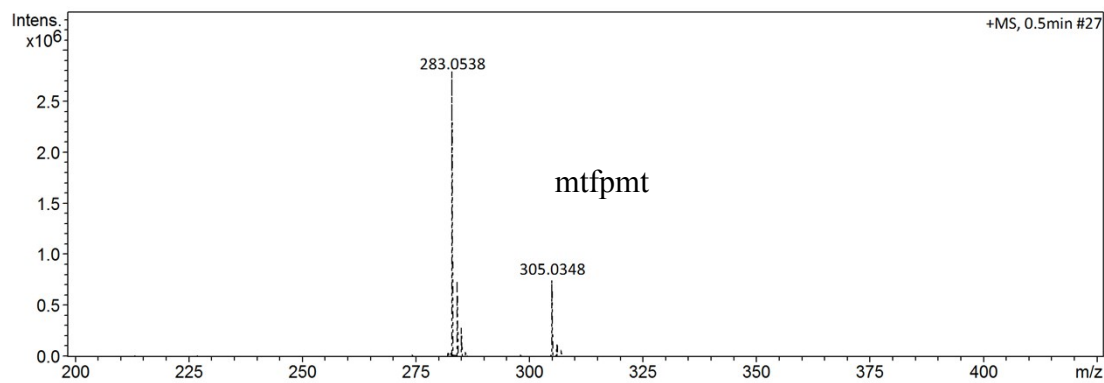
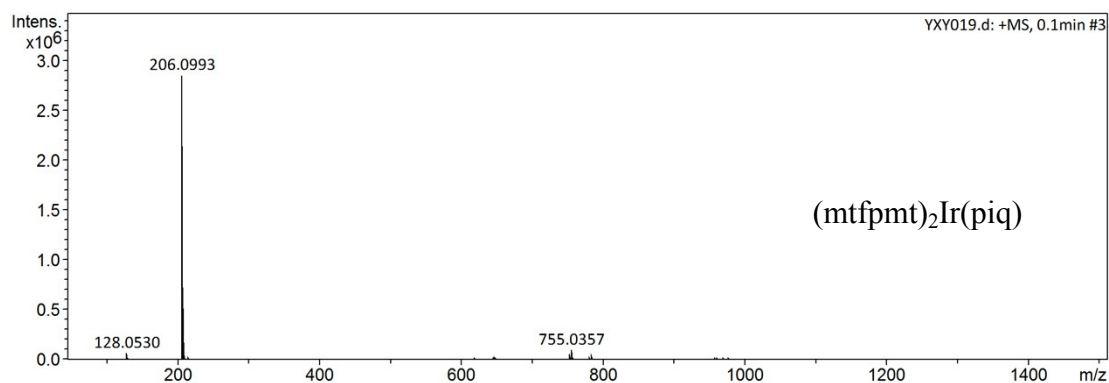
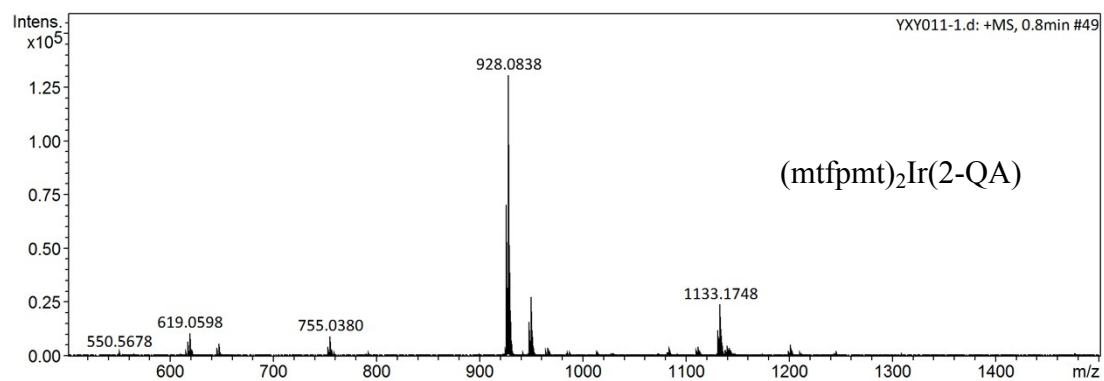
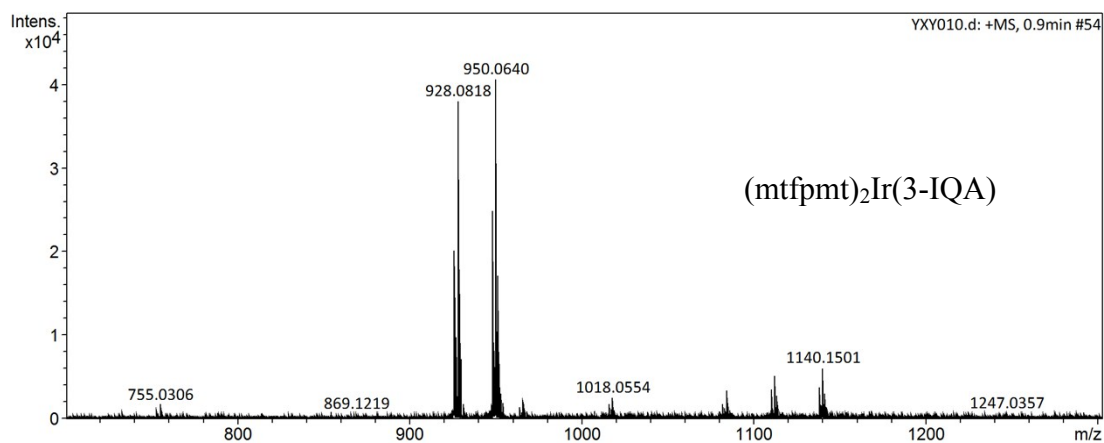




## ESI- HRMS spectra for the compounds :







## CV data for the compounds:

