

钯金属有机复合物测试

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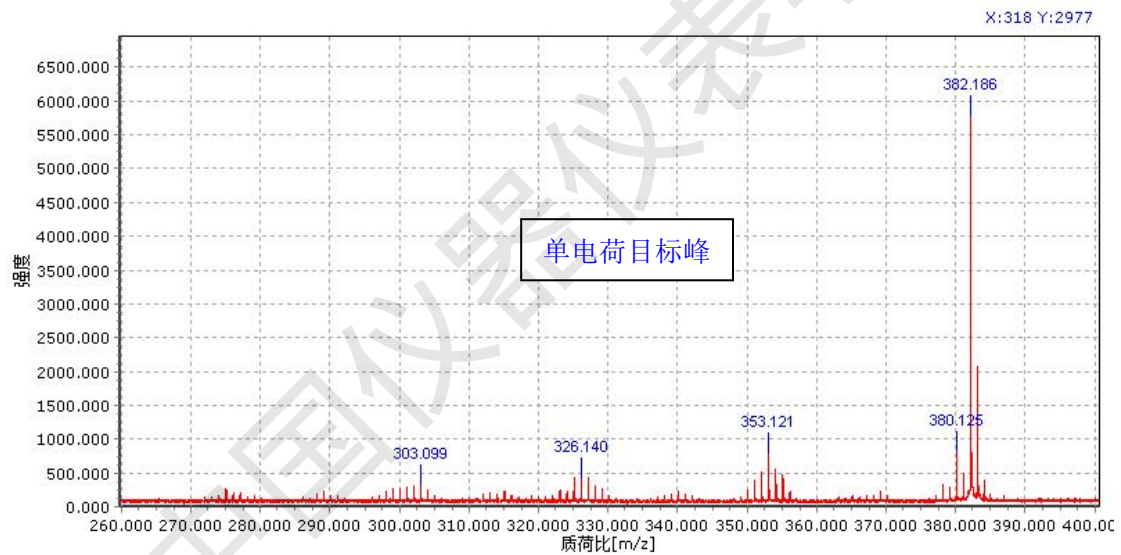
(广州禾信仪器股份有限公司, 广东 广州 510530)

摘要: 使用 API-TOFMS 对西北大学化学与材料科学院钯金属有机复合物进行测试分析, 多次测定, 数据重复性良好, 操作简便。

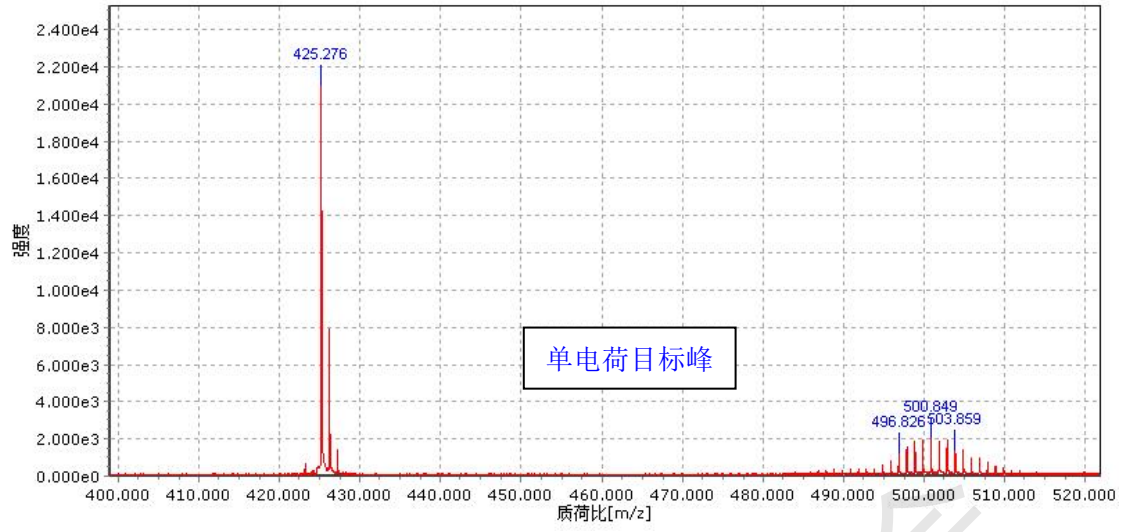
关键词: 钯;有机复合物

1 样品测试

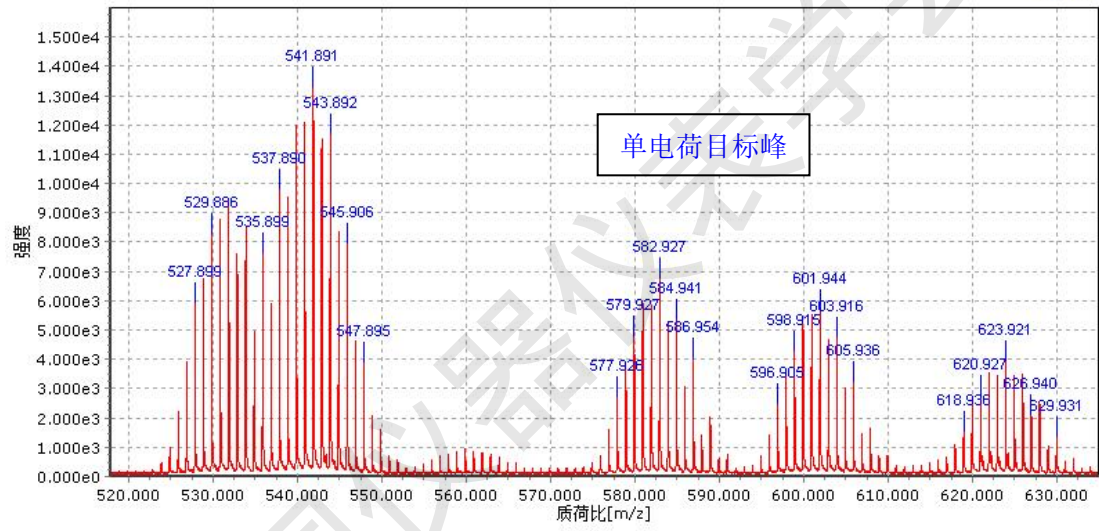
样品编号: wlj062; 分子式: $[(C_7H_7)_2Pd_3]_2(C_{30}H_{23}N_3)_3(BF_4)_4$; 样品浓度: 1000mg/L, 分子量: 2626.24644



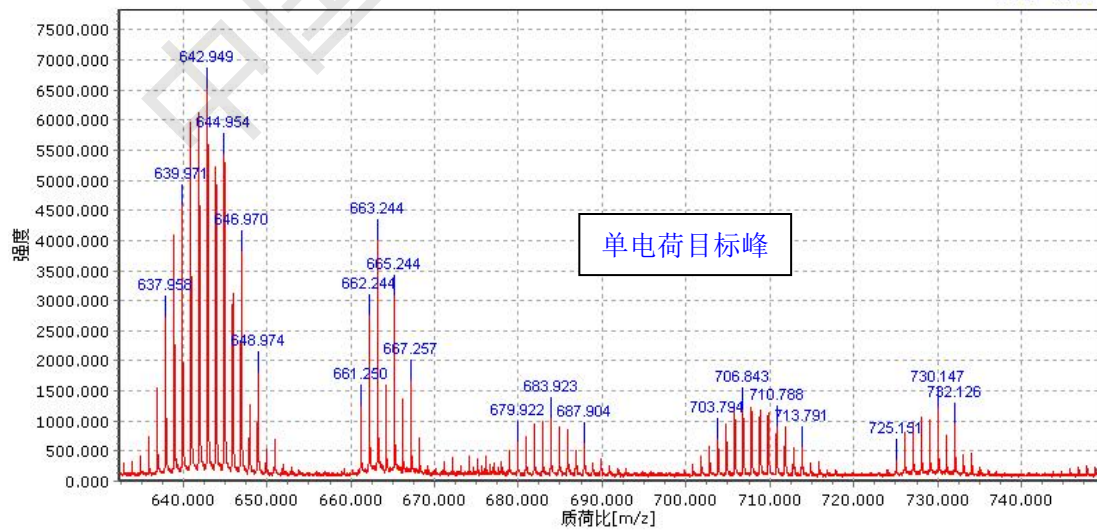
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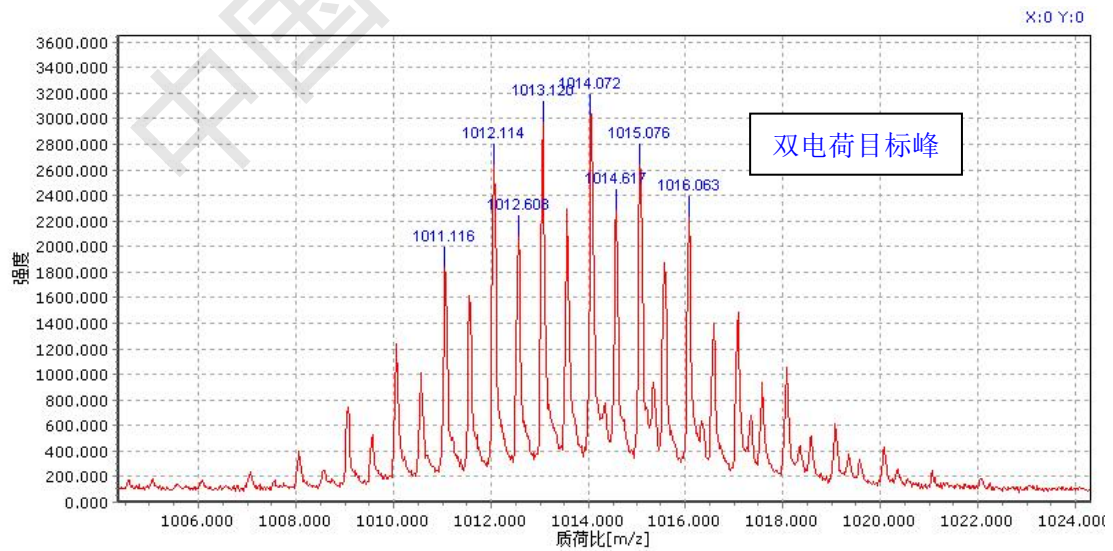
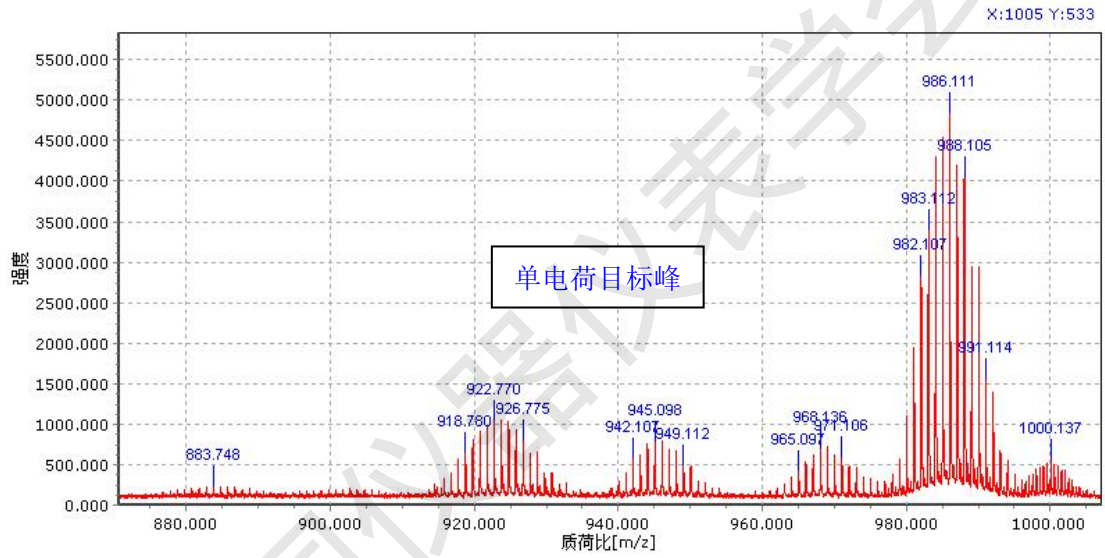
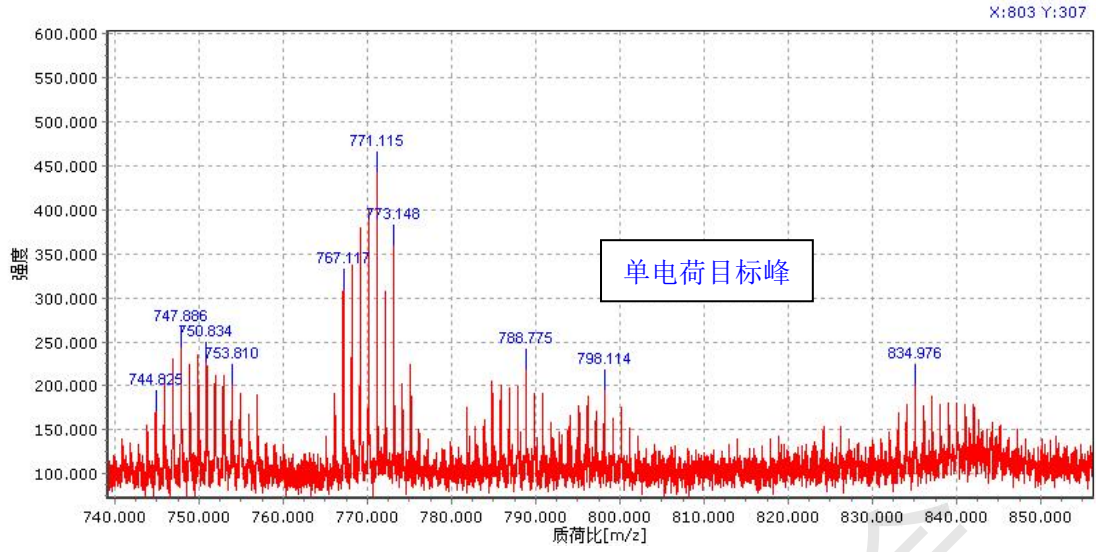


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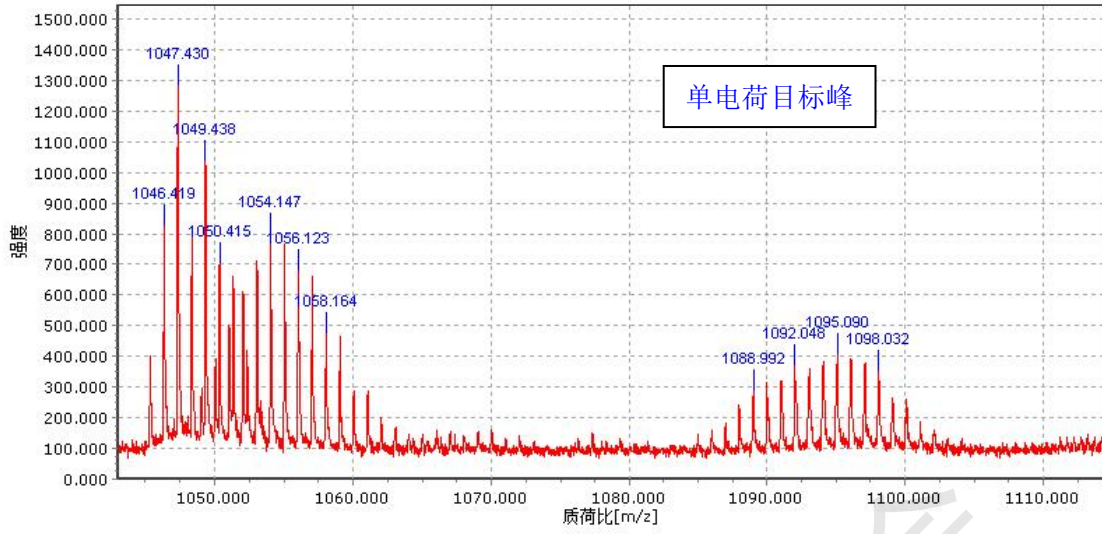


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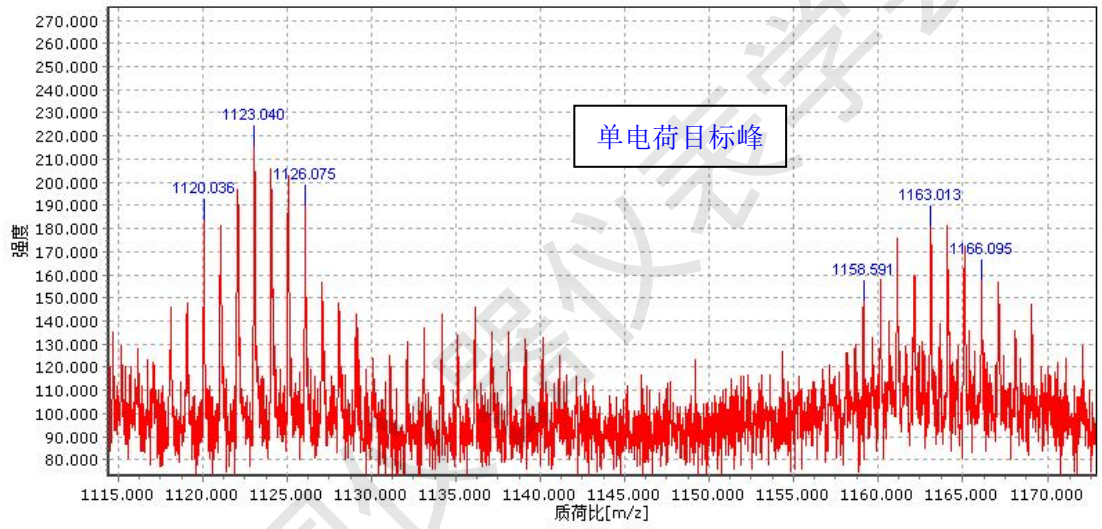




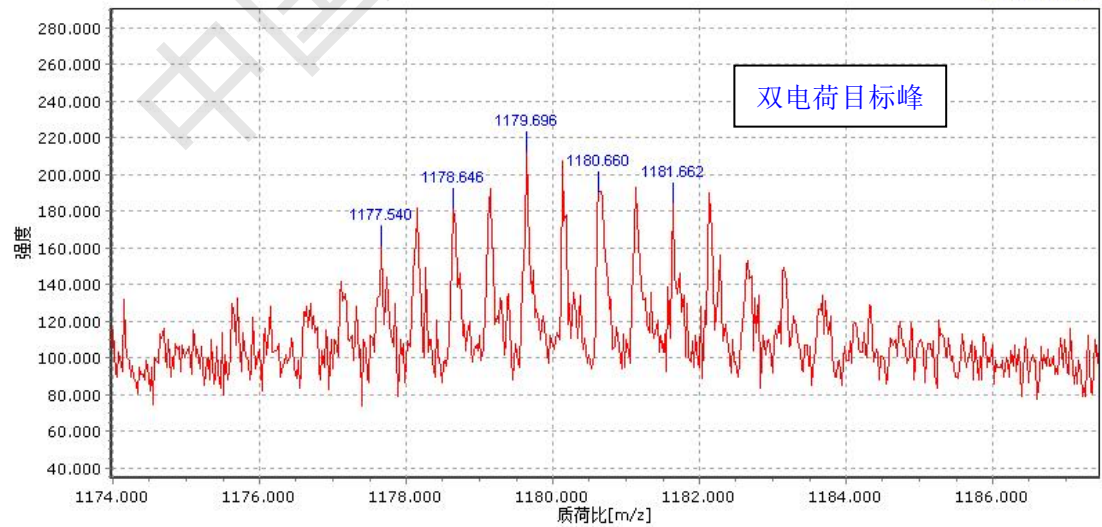
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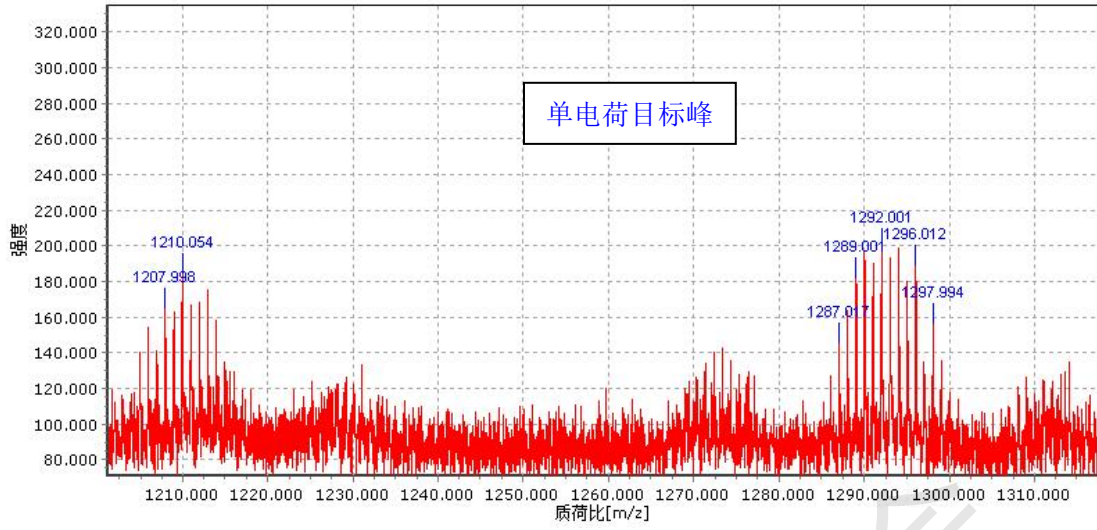
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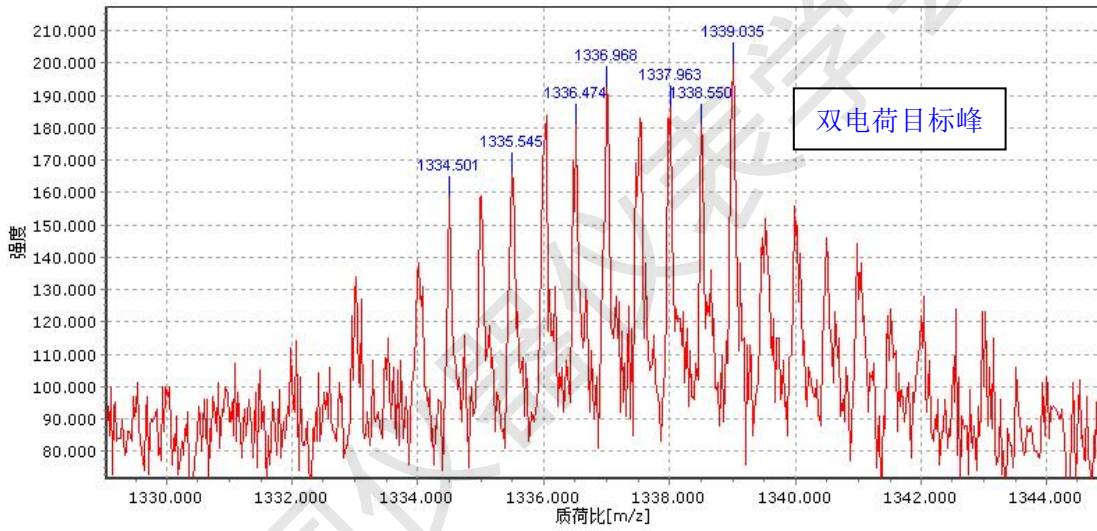
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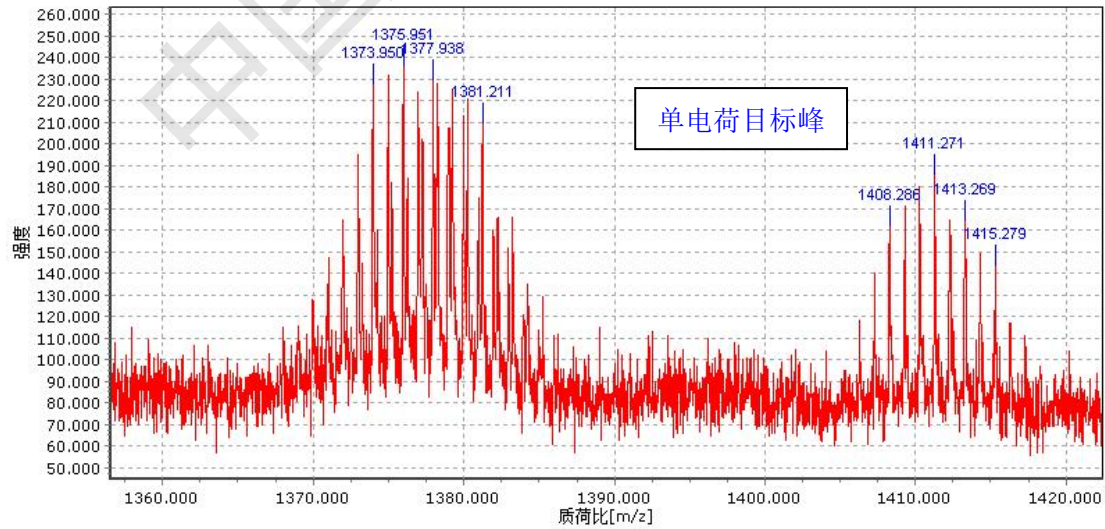
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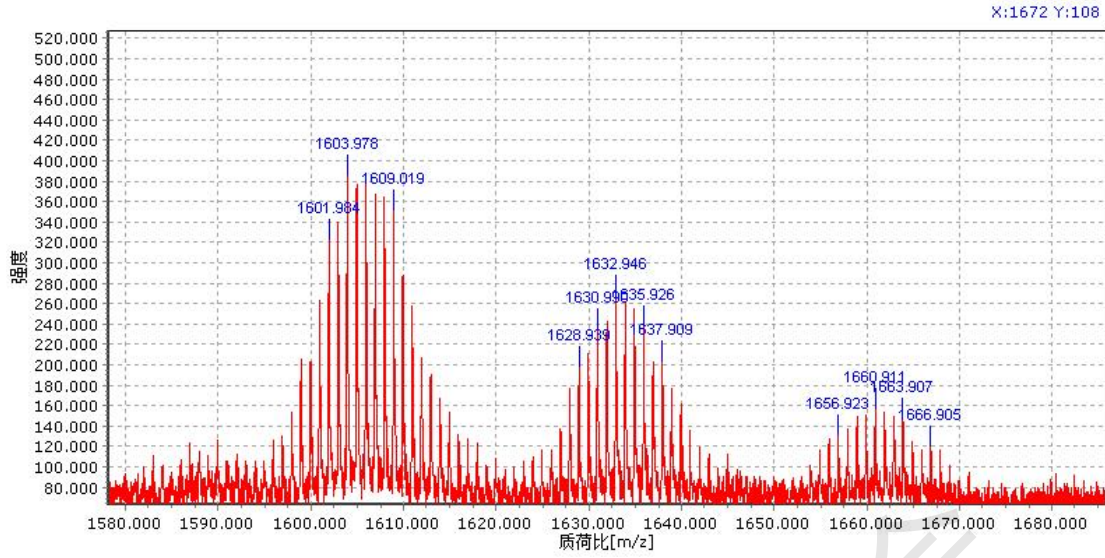


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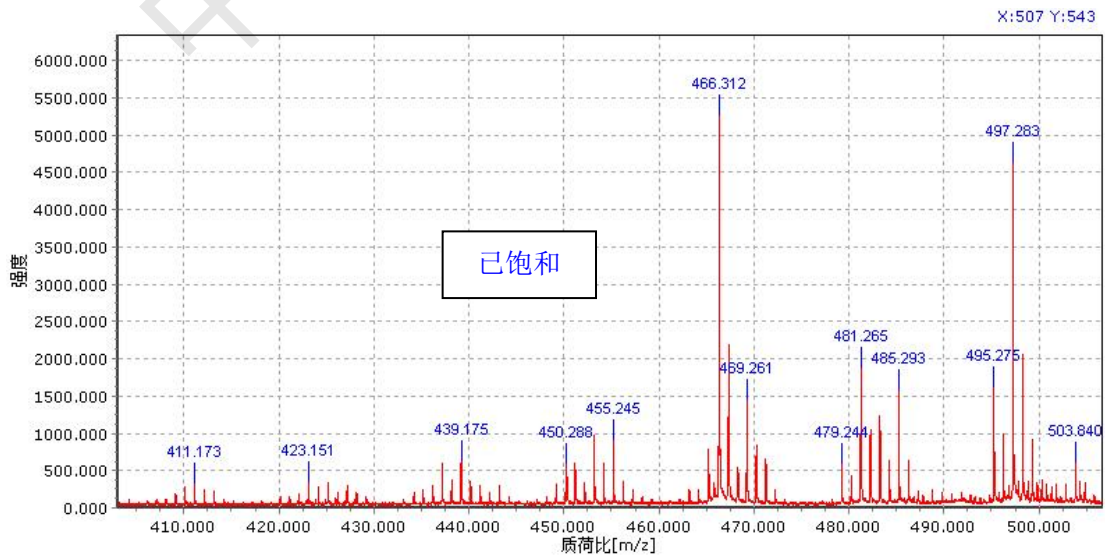
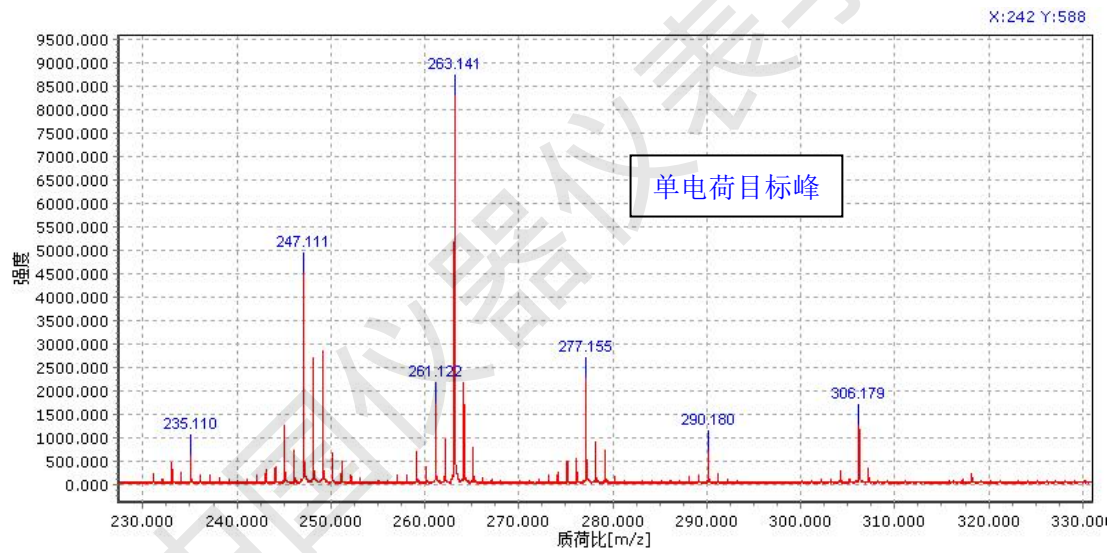


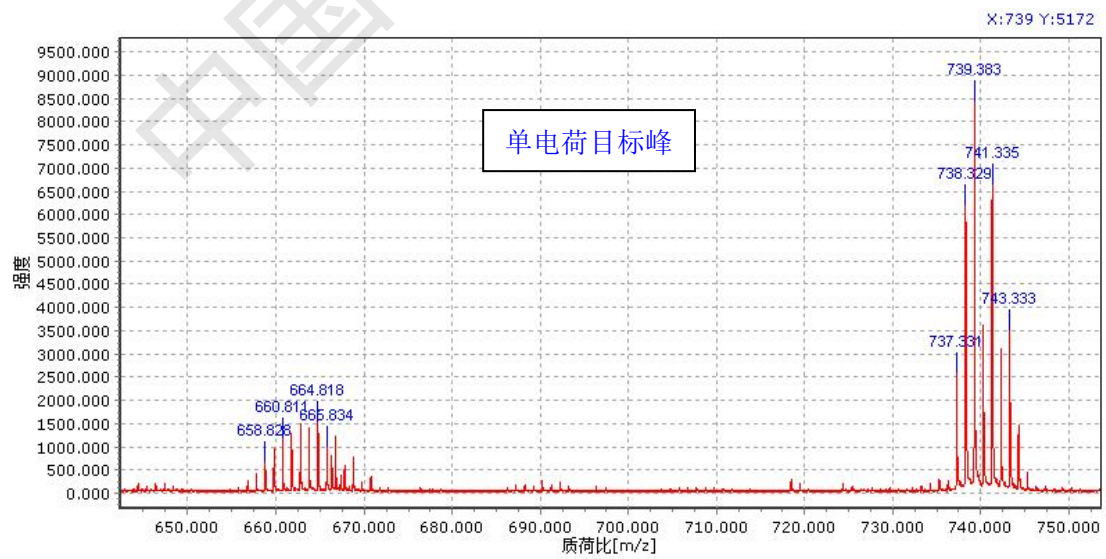
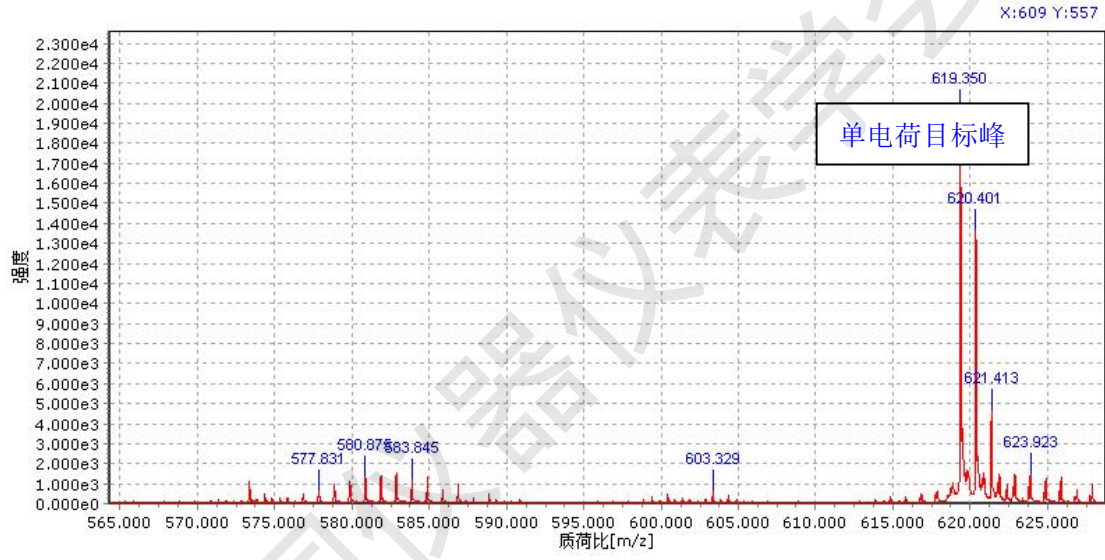
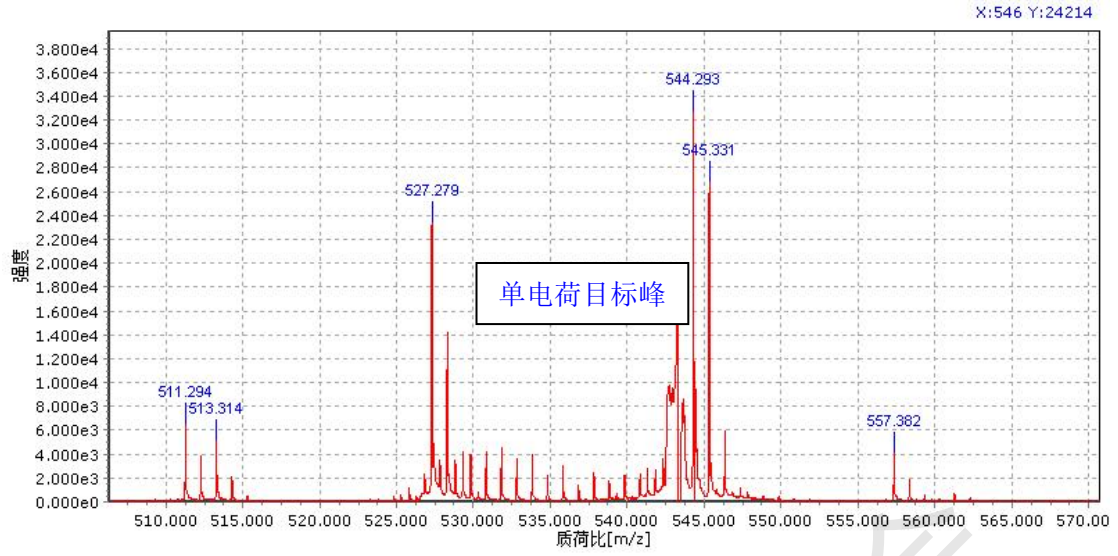
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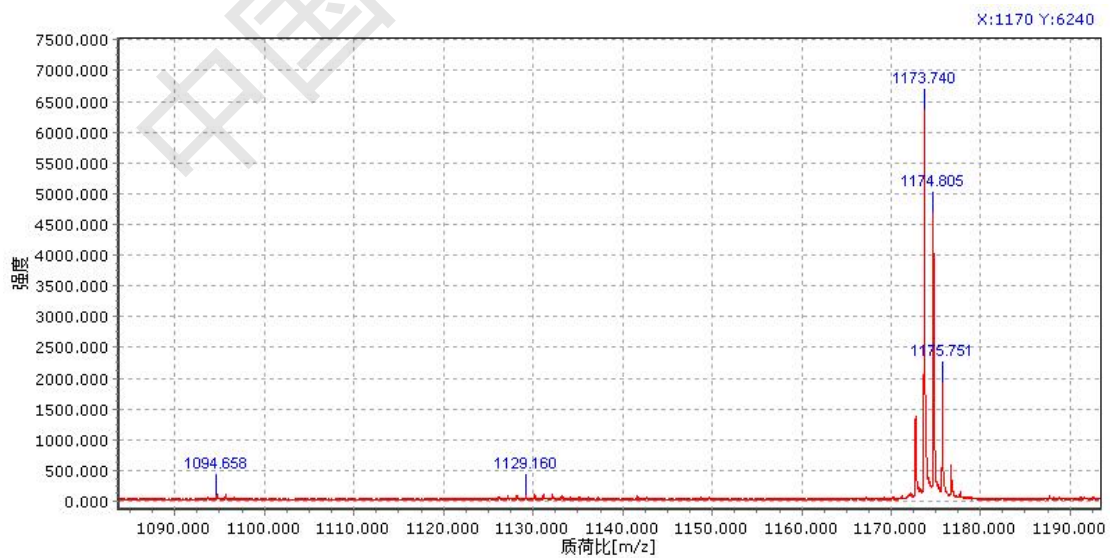
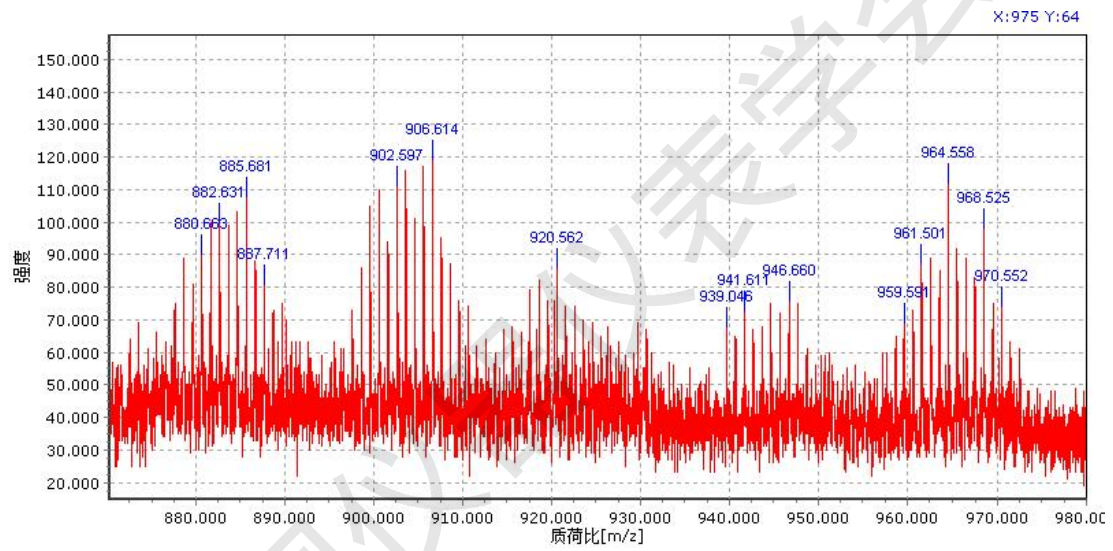
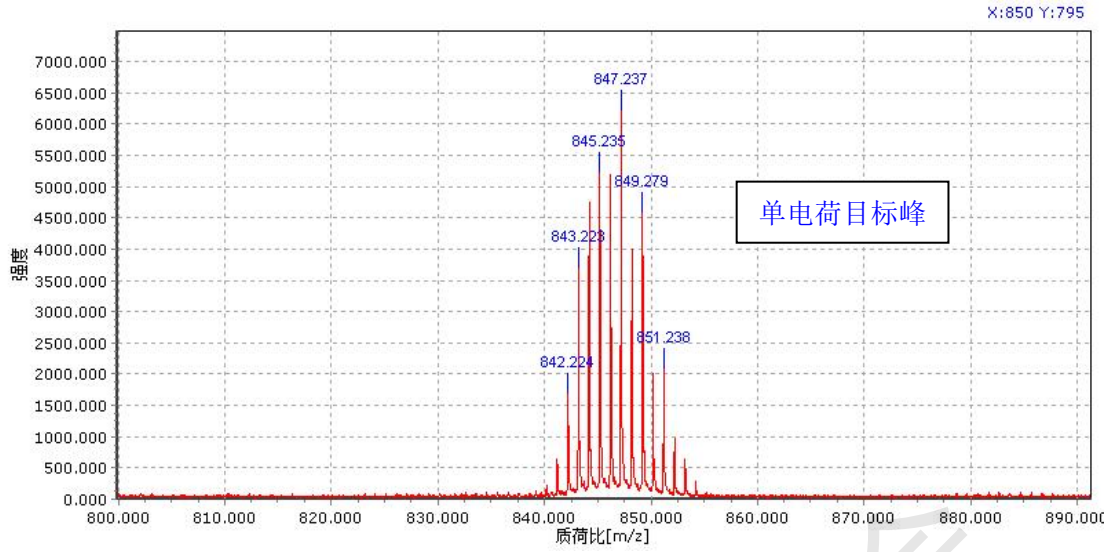


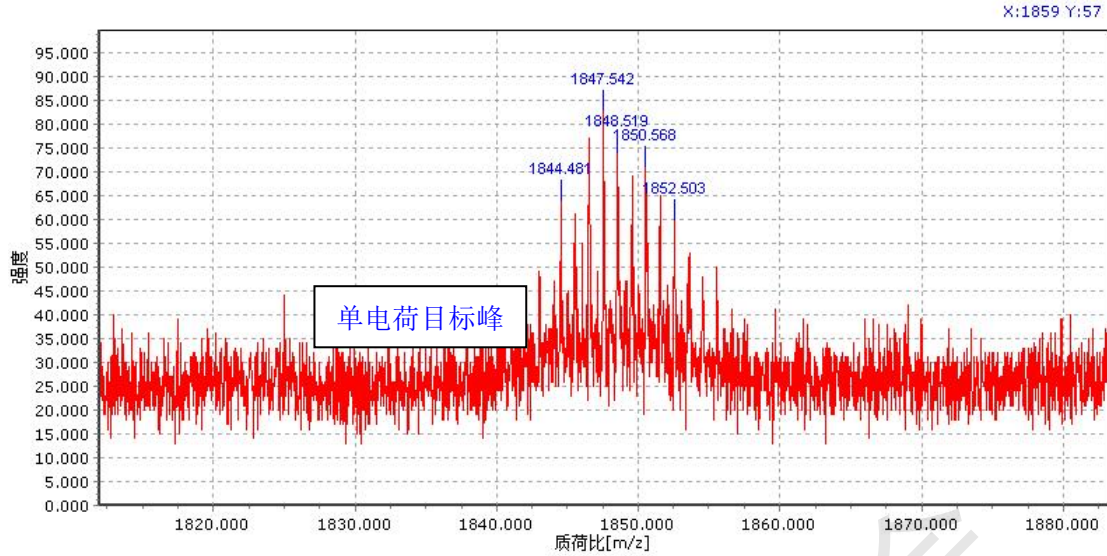


样品编号: wlj100; 分子式: $[(C_7H_7)_2Pd_3]_2(C_3H_4N_4)_3(BF_4)_7$; 样品浓度: 20ppm; 分子量: 3241.74465









2 测试说明和结果分析

2.1 以下数据 wlj062（浓度为 1000mg/L）和 wlj100（浓度为 200mg/L）都是在正离子模式（ESI+）测得，负离子模式未检出有相关信号。

2.2 通过优化射频峰峰值、传输区电压、降低质谱口温度，除了下面检测到的离子峰，也未发现有其他特征峰。

2.3 检测到离子峰的质量范围在 200amu-2000amu，大于 2000amu 都未检出有离子峰。

2.4 浓度为 1000mg/L 样品：wlj062 的双电荷目标峰 1336 可能为 $[M+2Na]^{2+}$ ，但响应较低；其他离子峰和浓度为 200mg/L 样品：wlj100 的离子峰待委托方分析。

2.5 以下为委托方提供样品信息

