

Electronic Supplementary Information (ESI)

New matrix of MALDI-TOF MS for the analysis of thiolate-protected gold clusters

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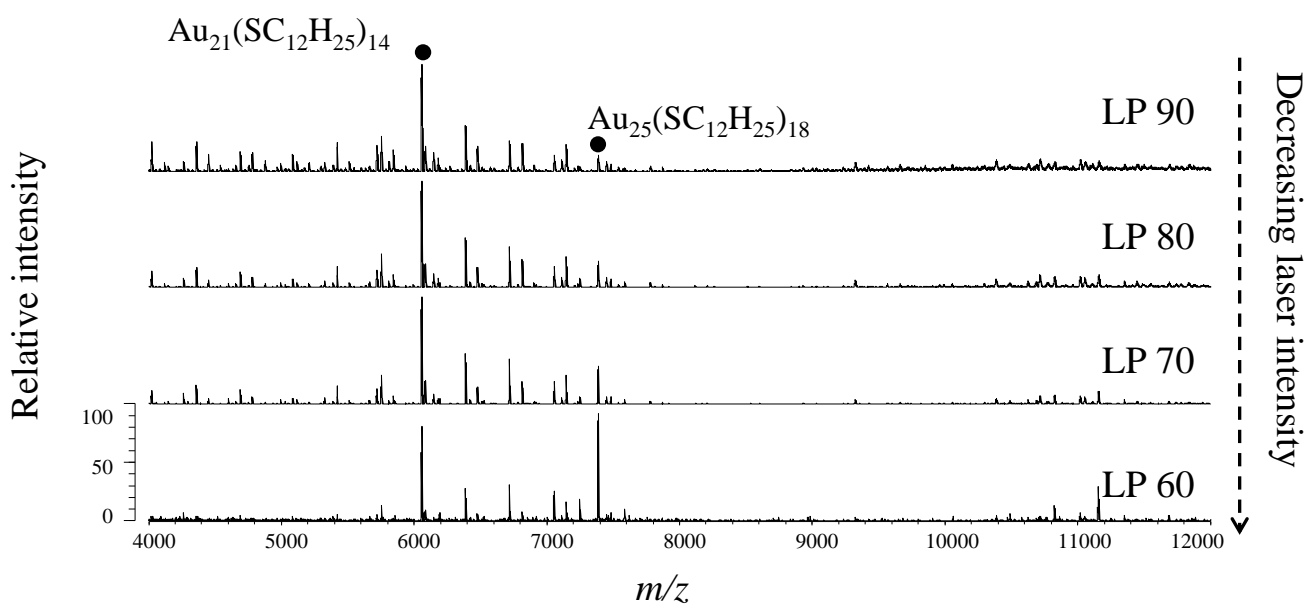


Figure S1. MALDI mass spectra of $\text{Au}_{25}(\text{SCH}_2\text{CH}_2\text{Ph})_{18}$ in positive ion mode as a function of LP using a DPF matrix.

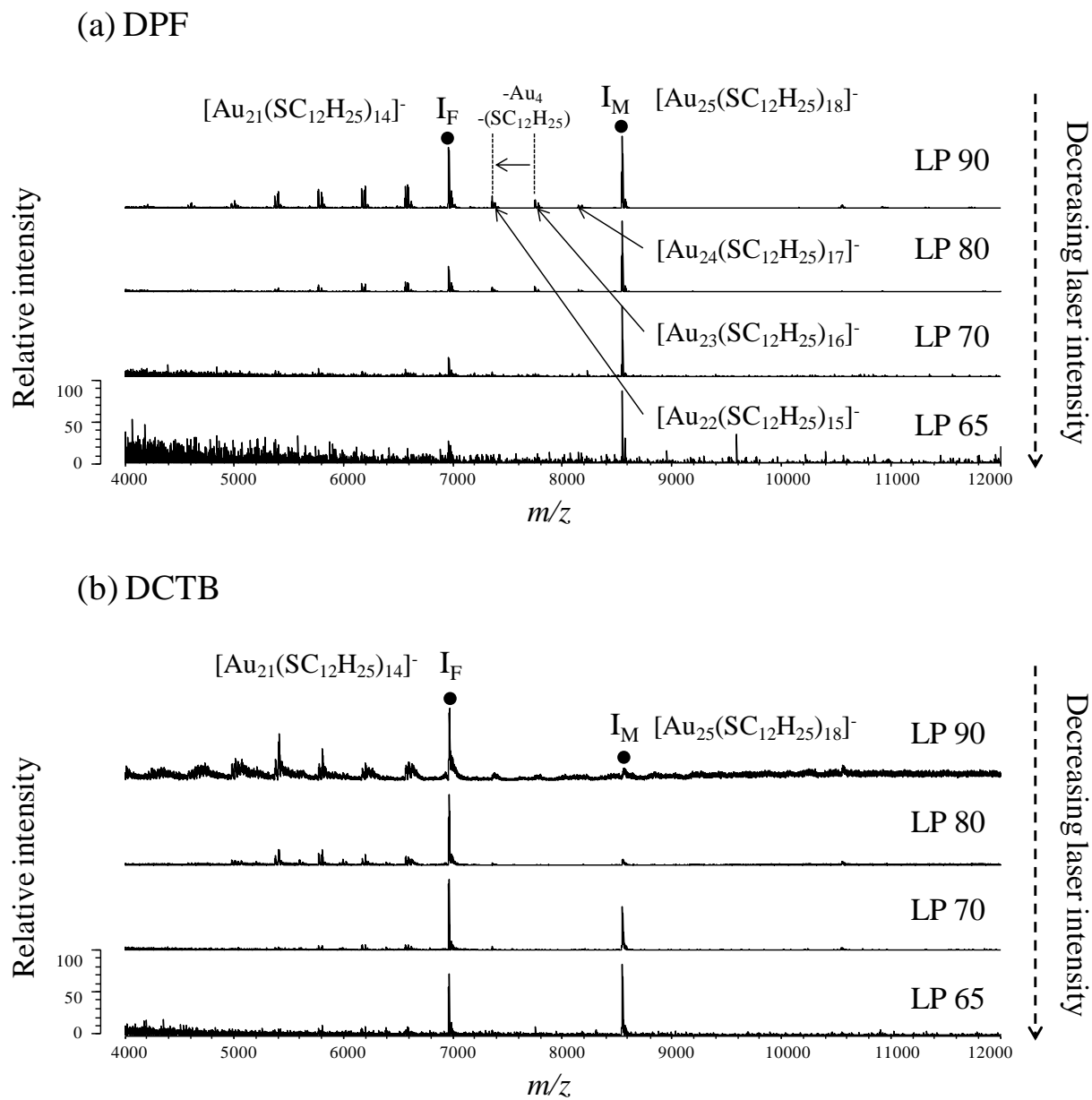


Figure S2. MALDI mass spectra of $Au_{25}(SC_{12}H_{25})_{18}$ under negative ion mode as a function of LP using several MALDI matrixes: (a) DPF; and (b) DCTB.

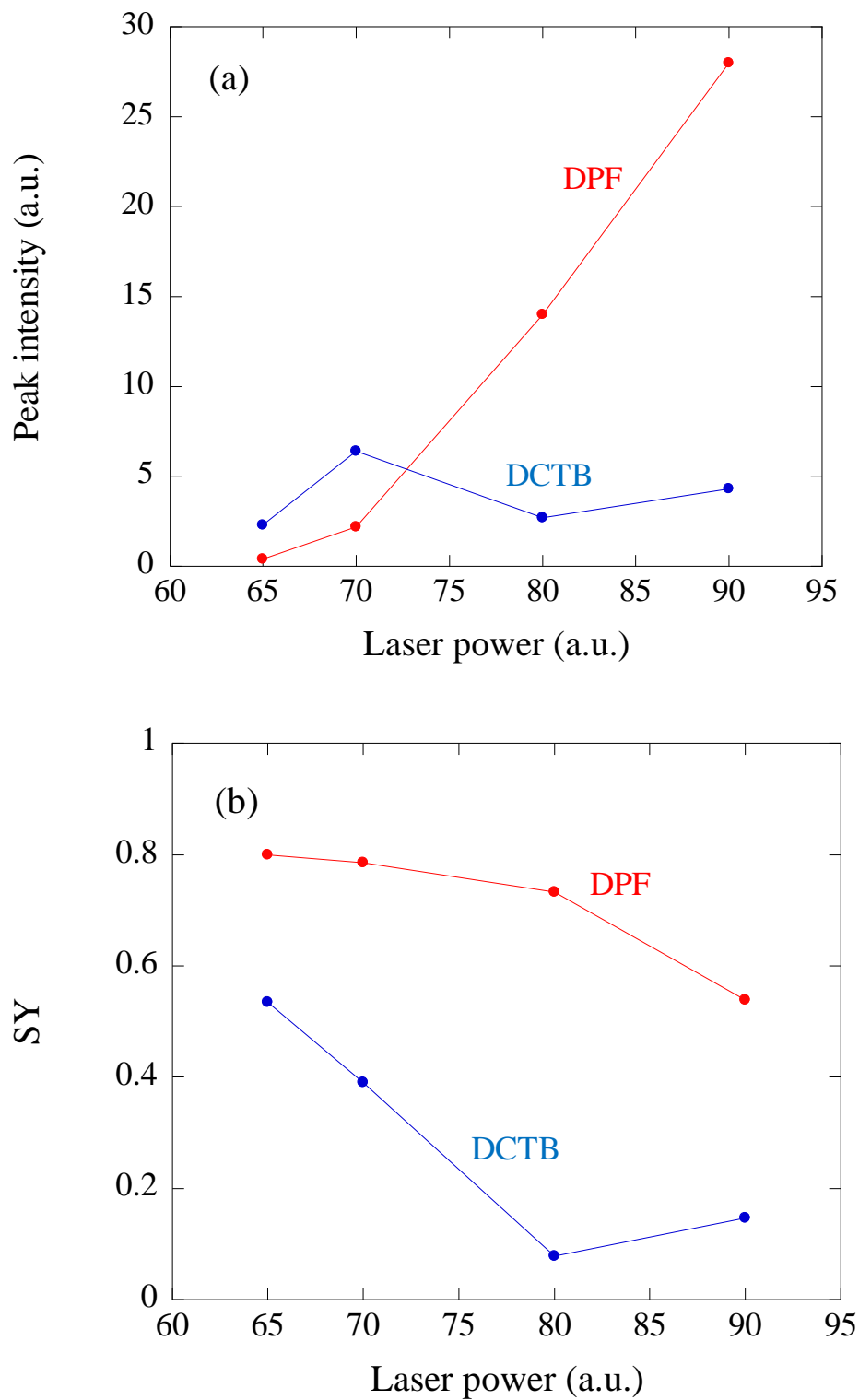


Figure S3. (a) Survival yield (SY) values; and (b) peak intensities of $\text{Au}_{25}(\text{SC}_{12}\text{H}_{25})_{18}$ as a function of LP.

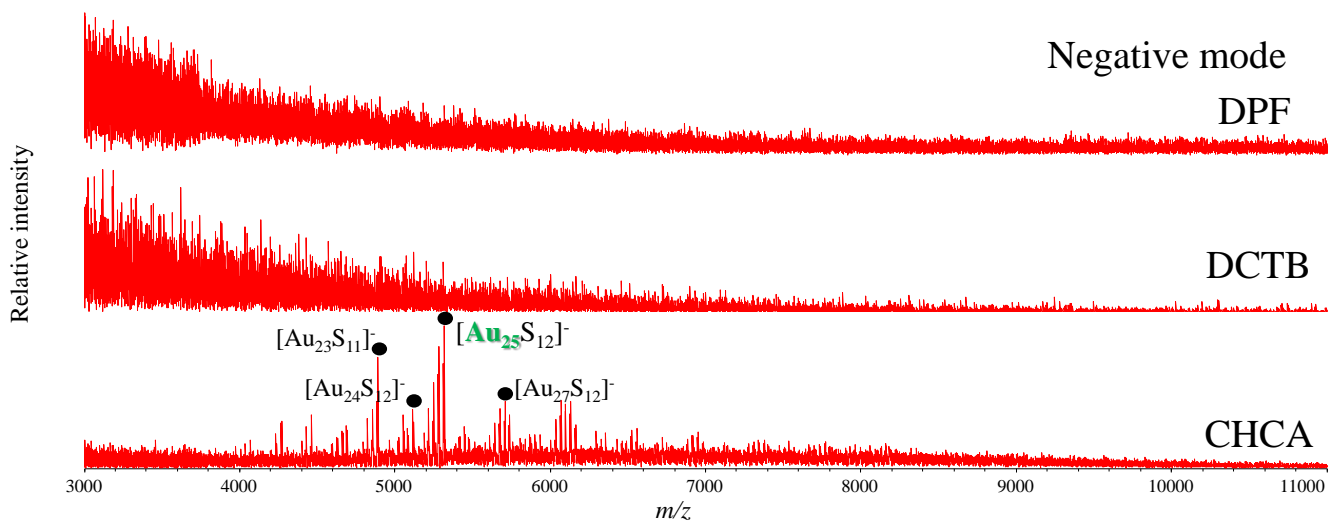


Figure S4. MALDI mass spectra of Au₂₅(SG)₁₈ under negative ion mode as a function of LP using several MALDI matrixes: DPF, DCTB and CHCA.