

Supporting Information for
Theoretical analysis of the optical excitation spectra of silver and gold nanowires

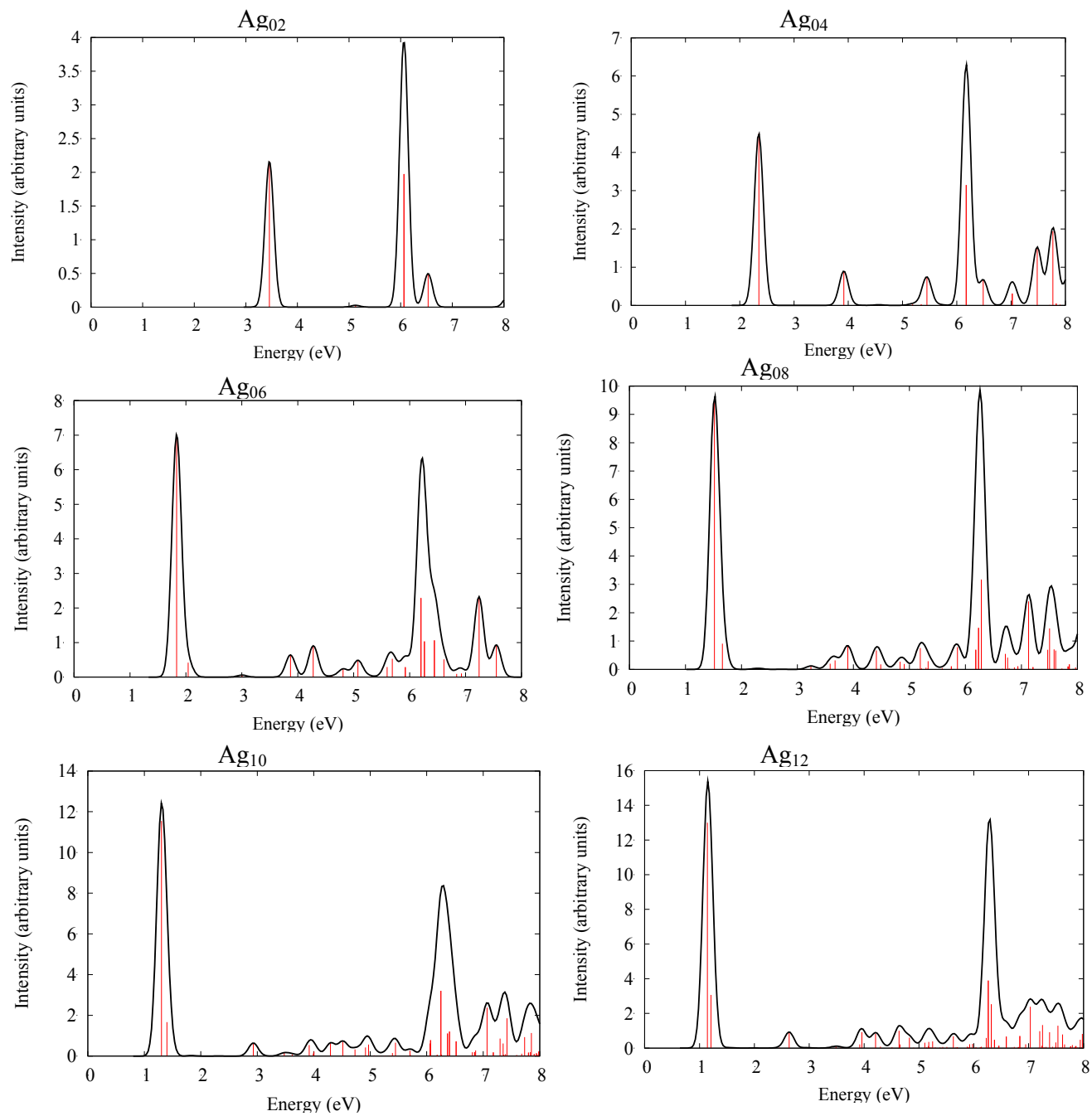
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Silver nanowires



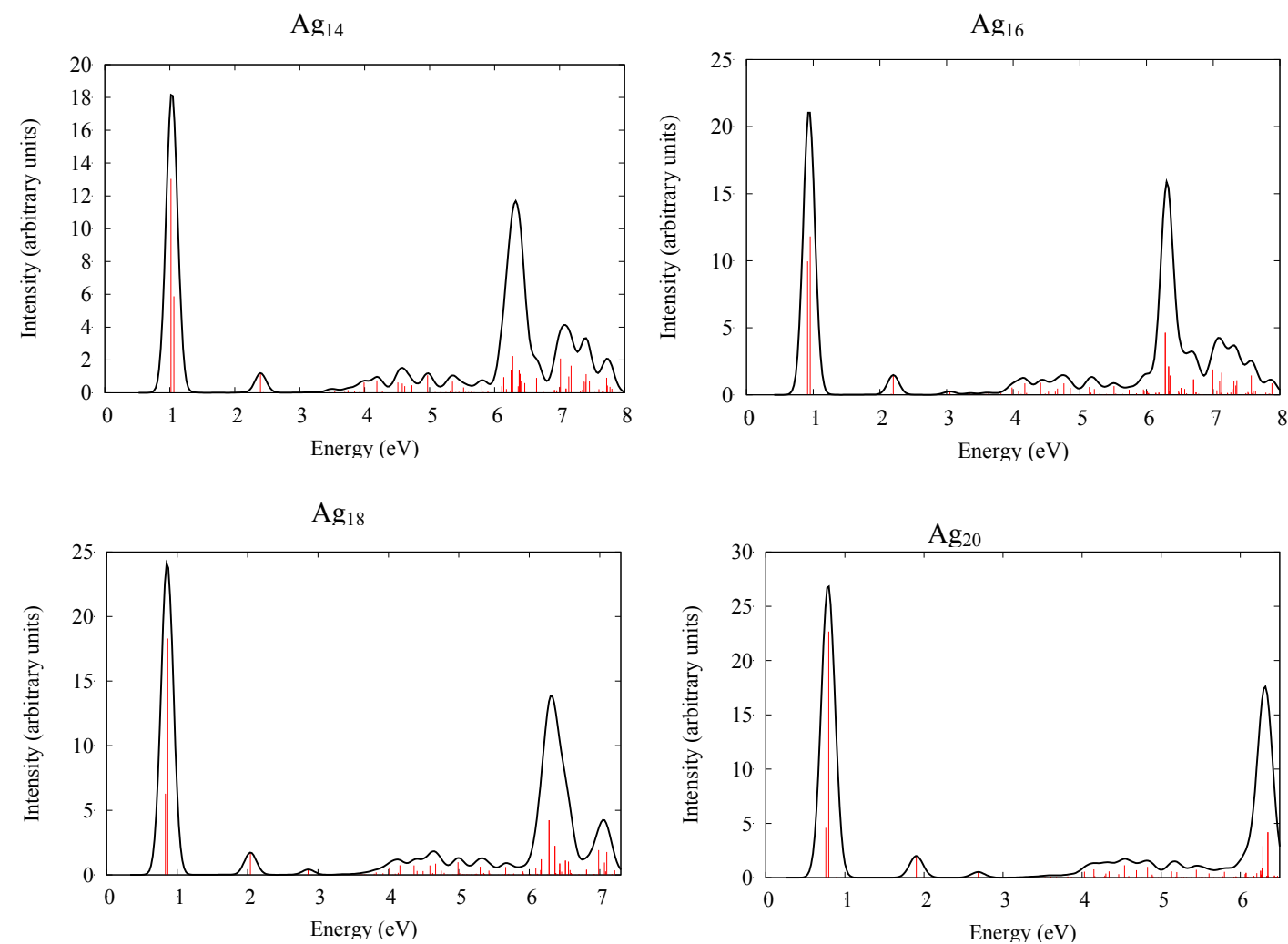
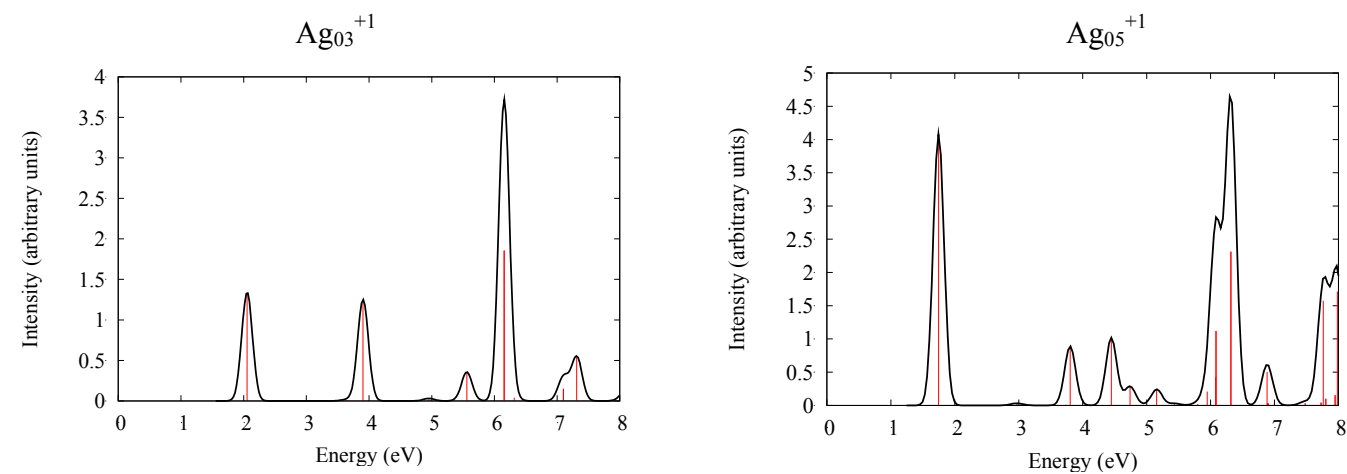
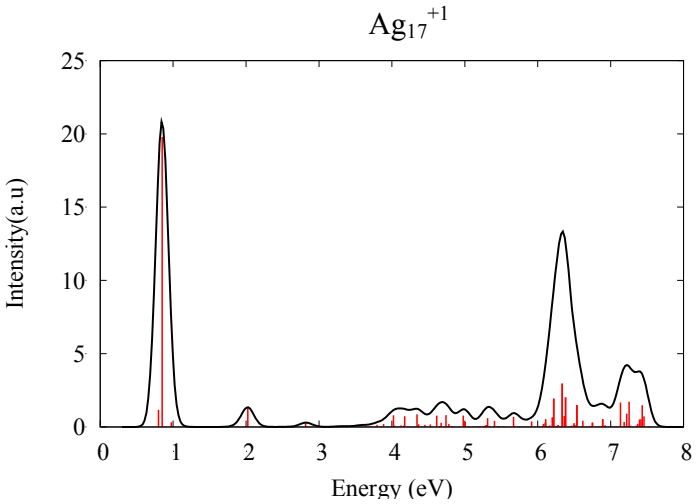
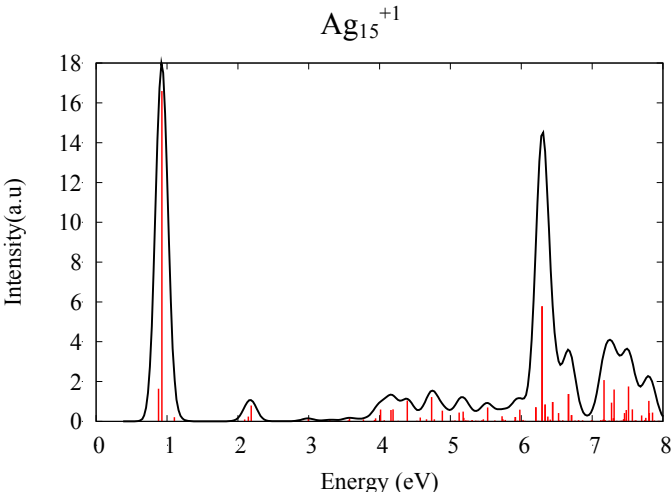
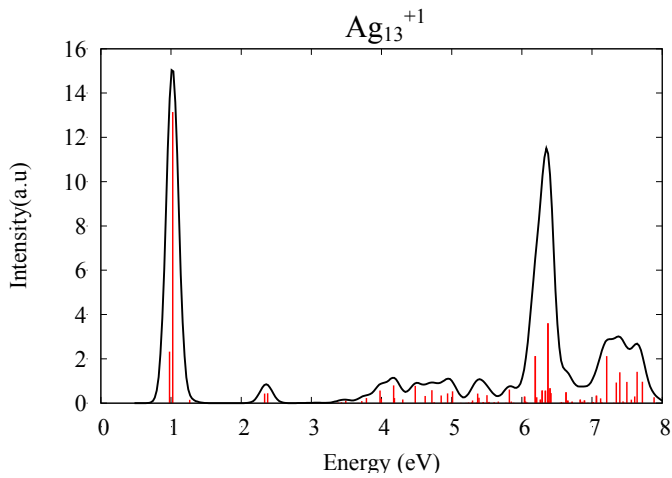
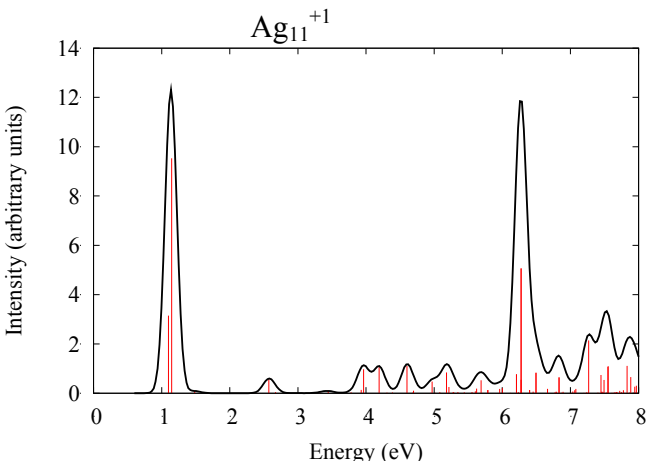
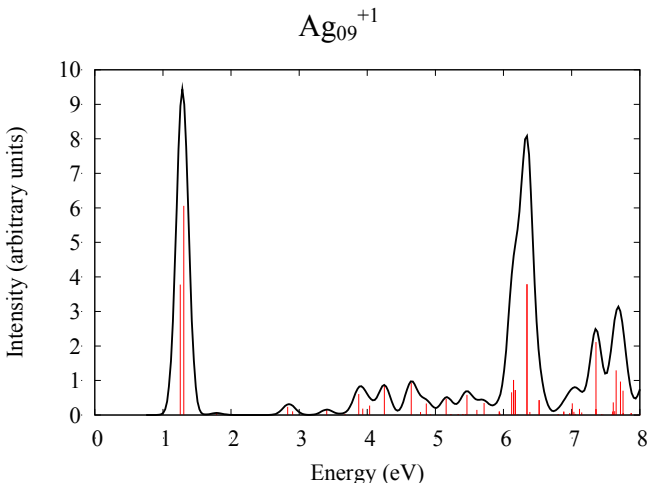
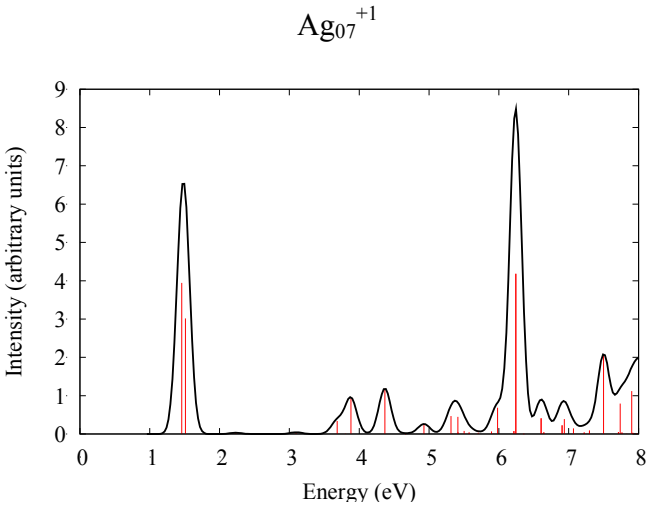


Figure S1: Neutral silver nanowire excitation spectra with SAOP/DZ.





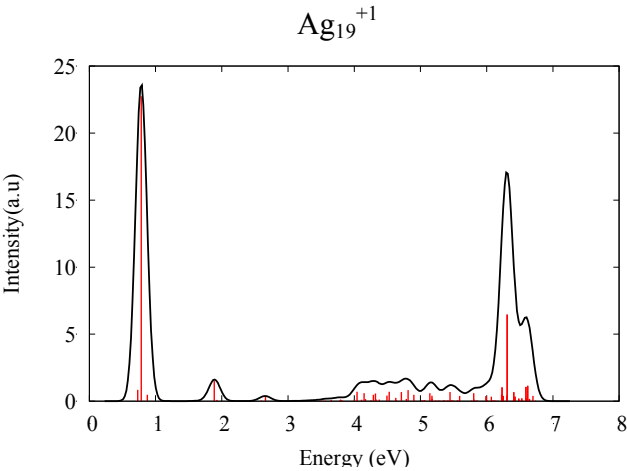
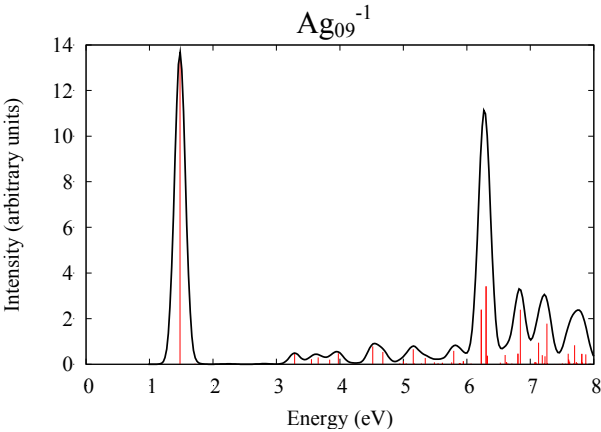
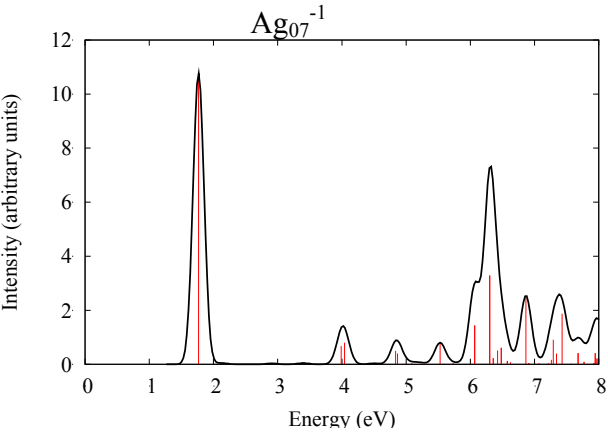
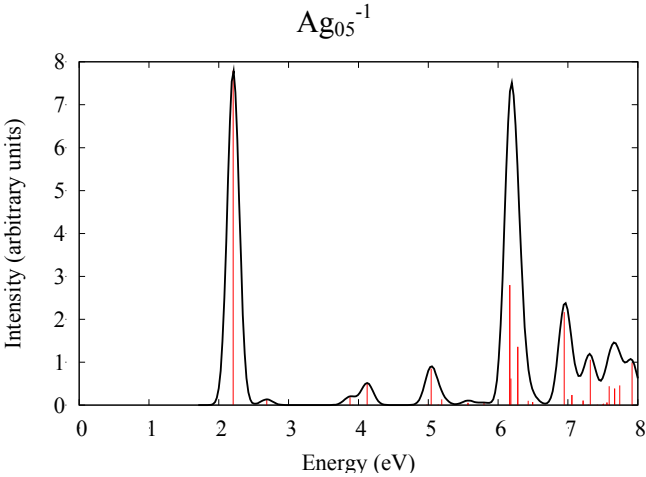
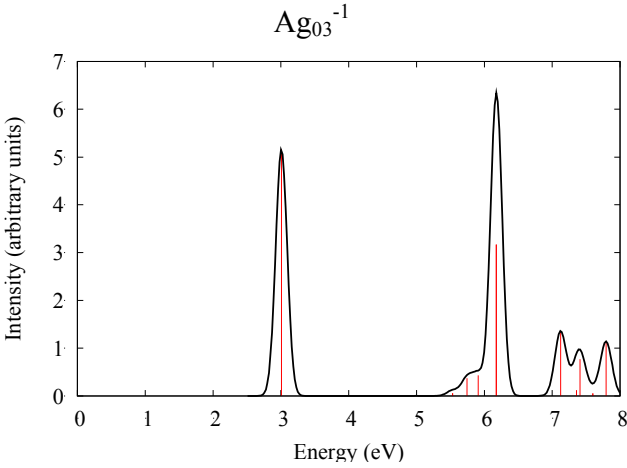


Figure S2: Positively charged silver nanowire excitation spectra with SAOP/DZ.



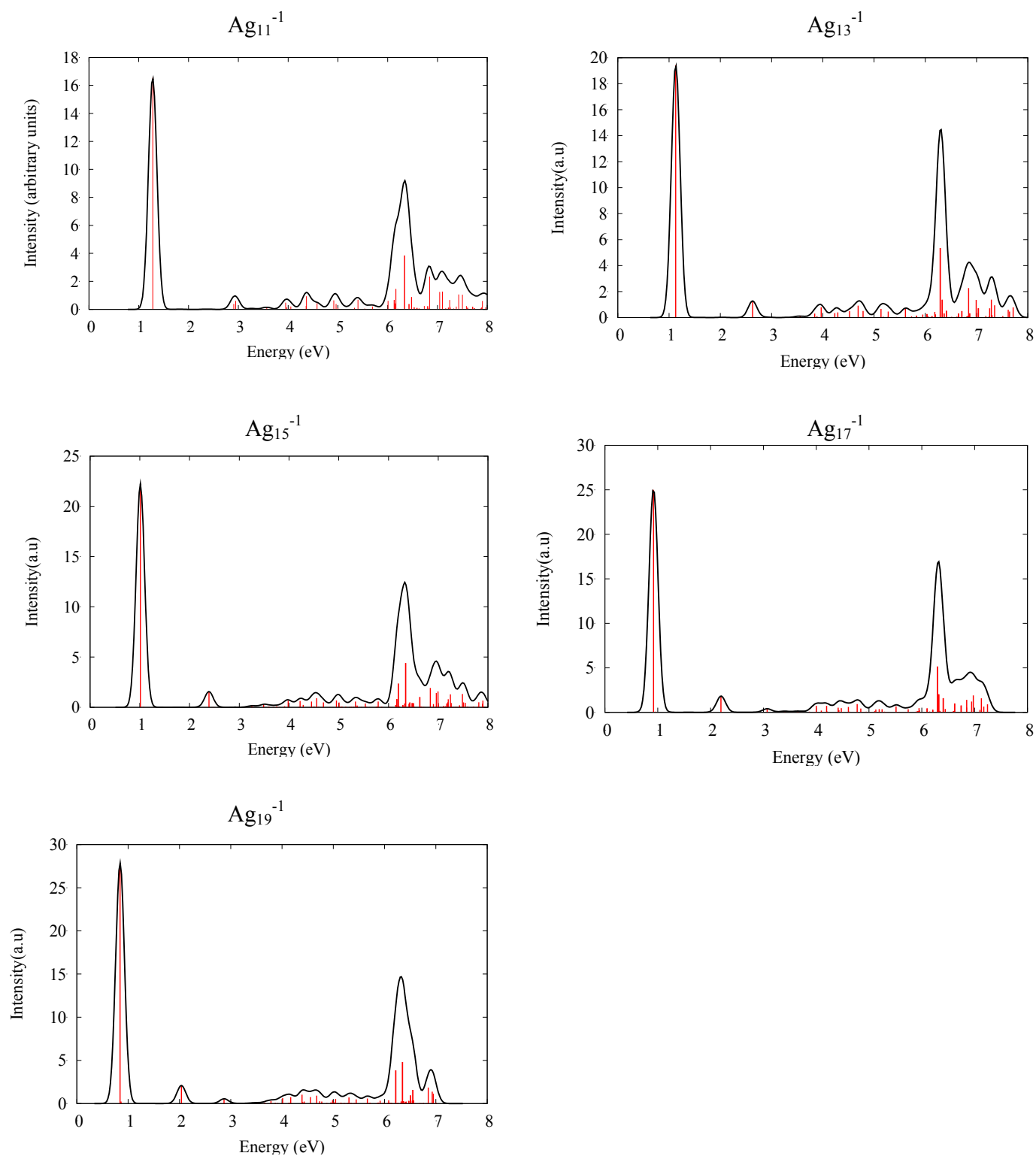
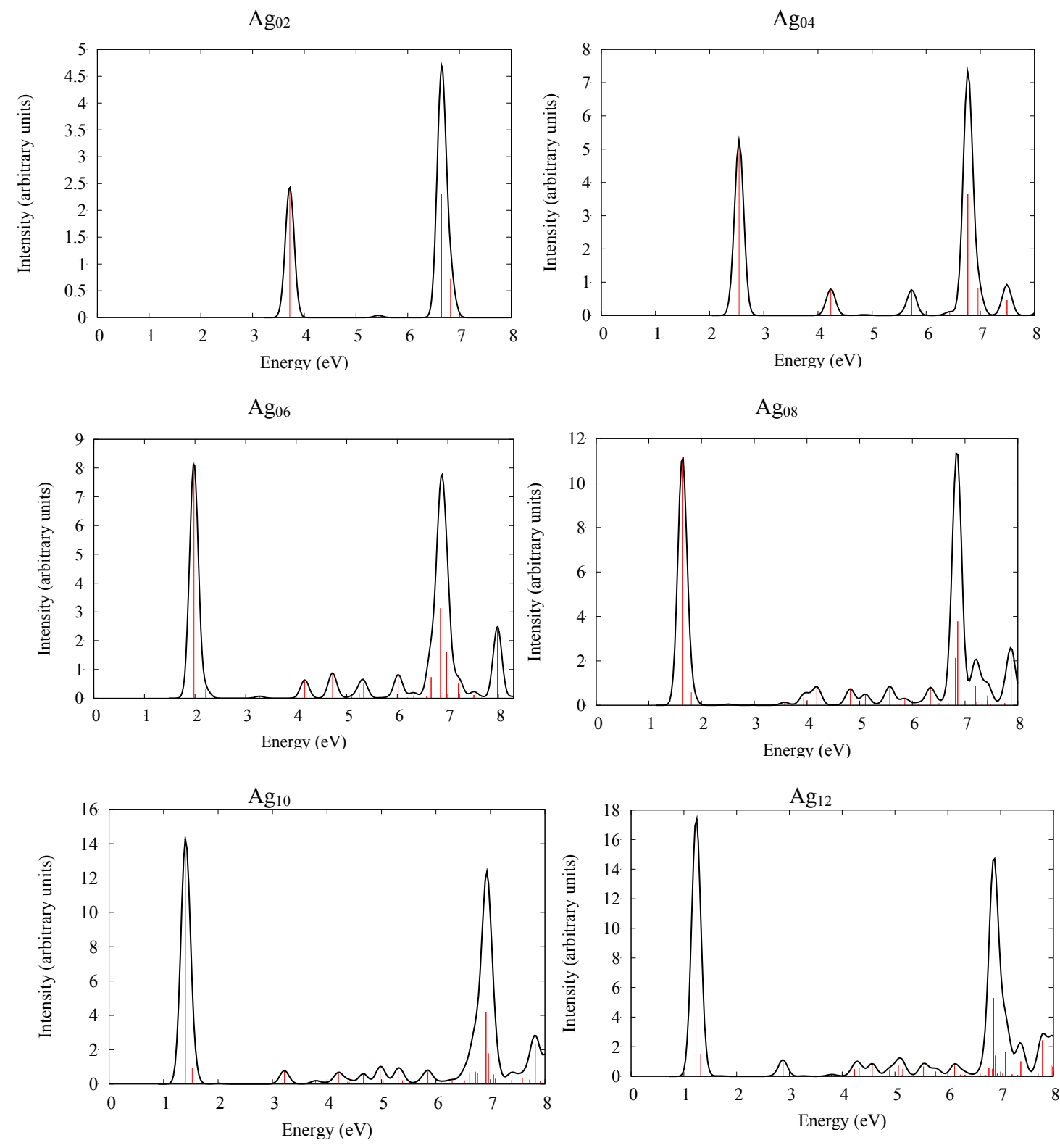


Figure S3: Negatively charged silver nanowire excitation spectra with SAOP/DZ.



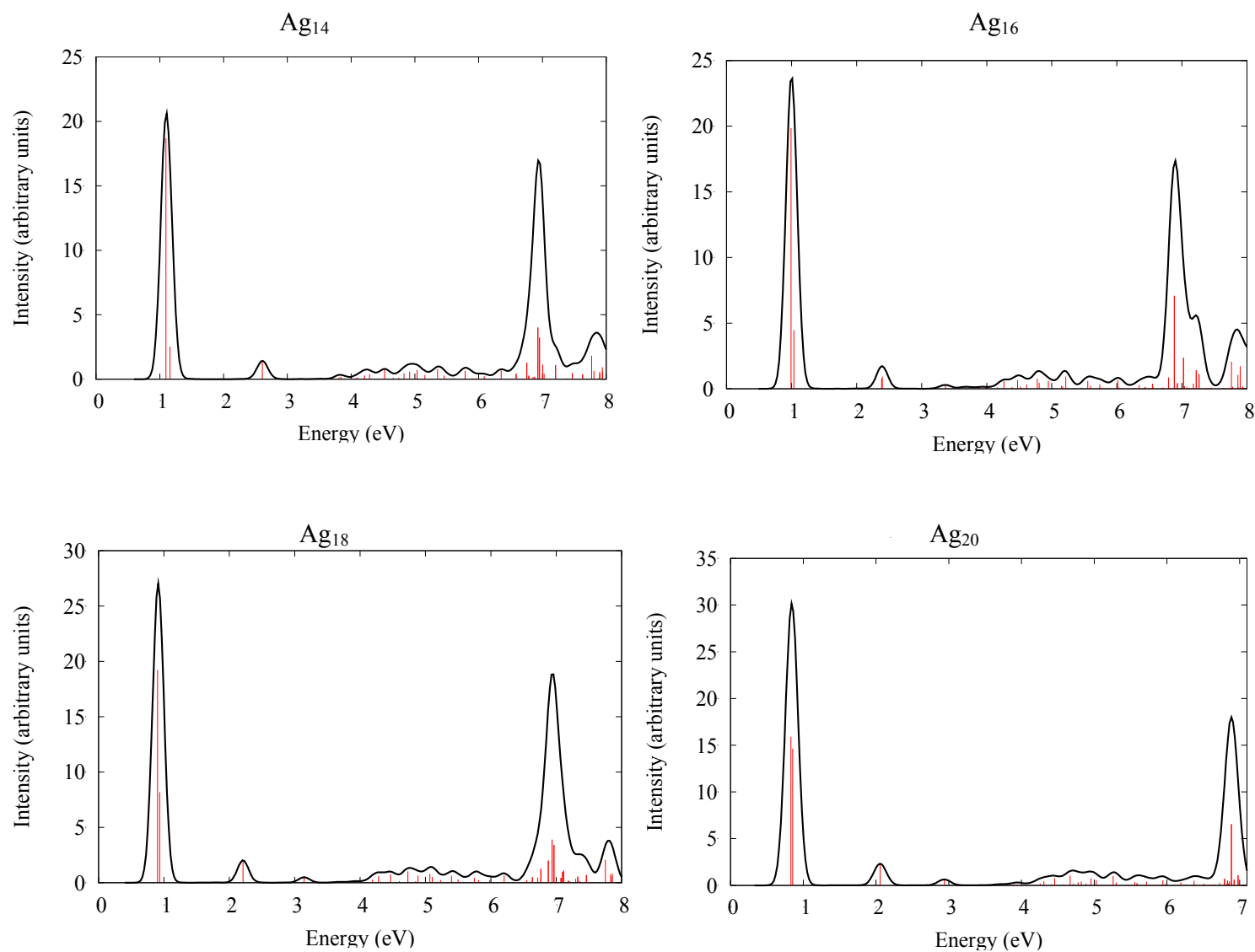
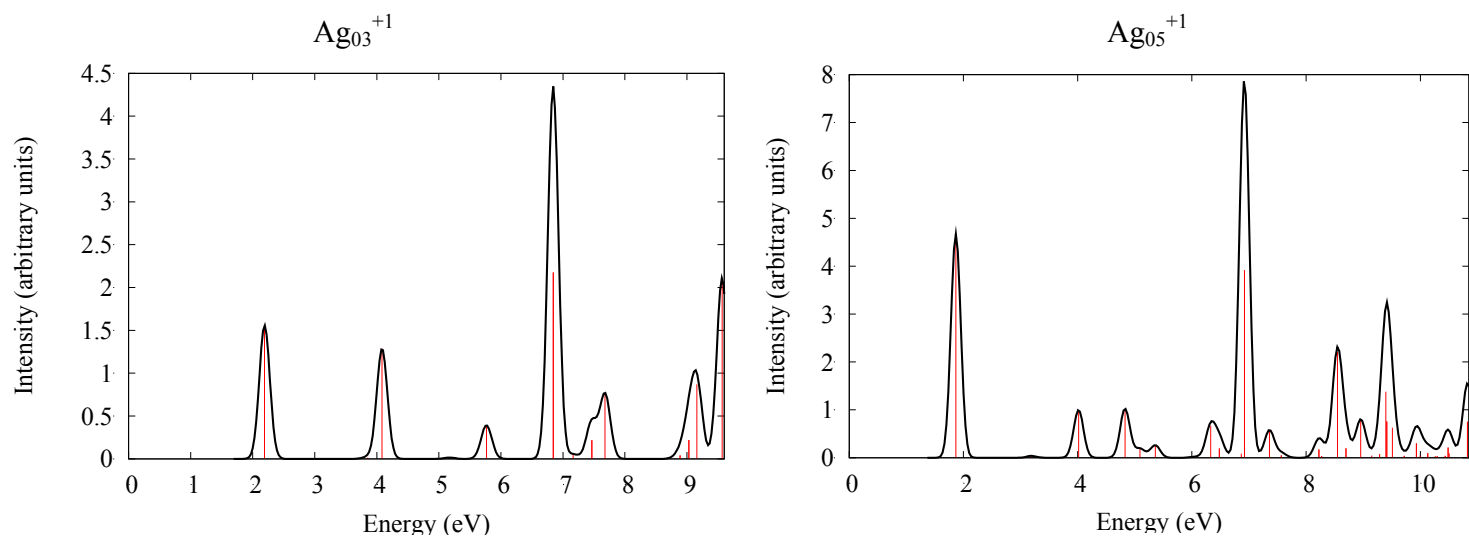
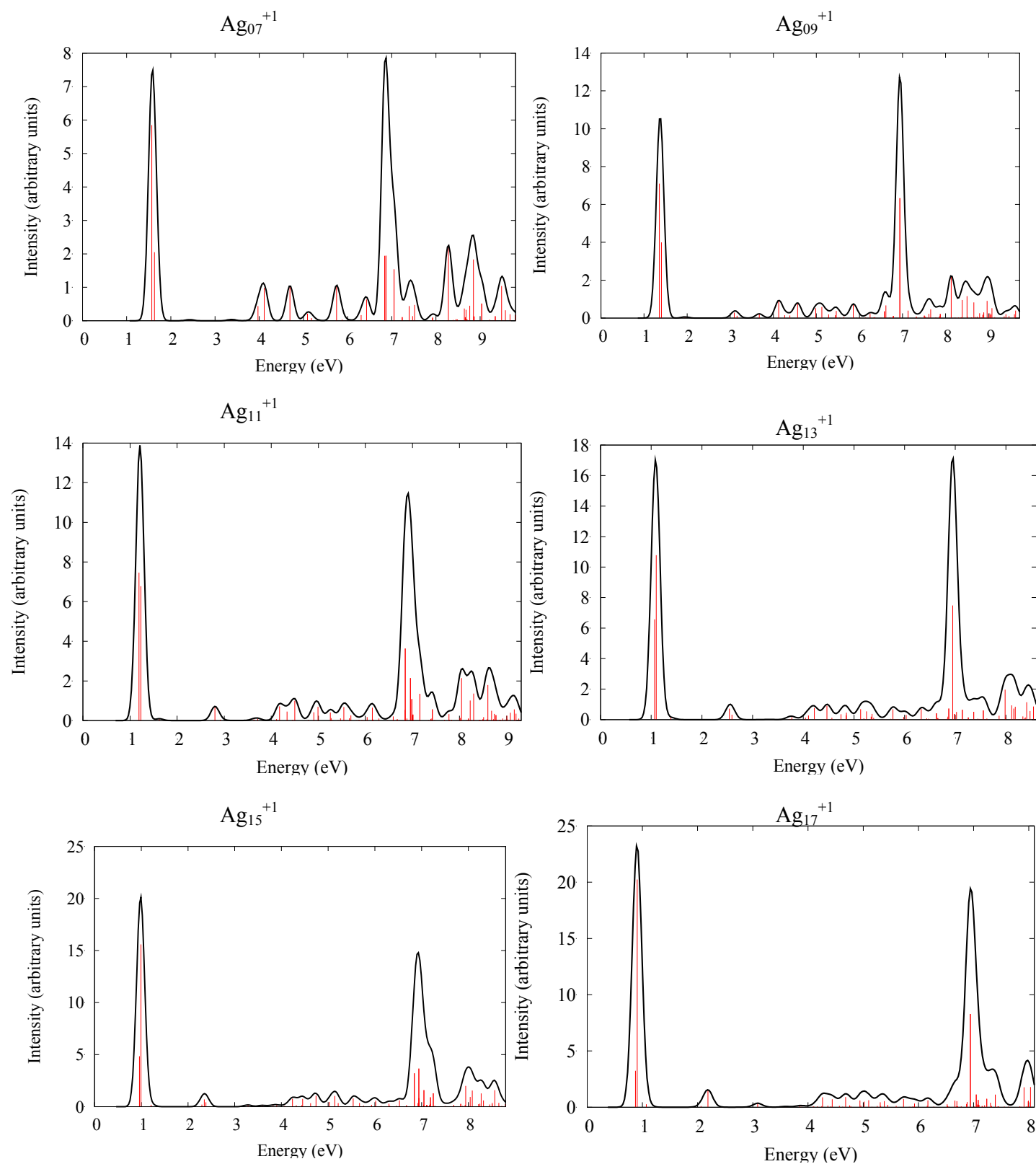


Figure S4: Neutral silver nanowire excitation spectra with LB94/DZ.





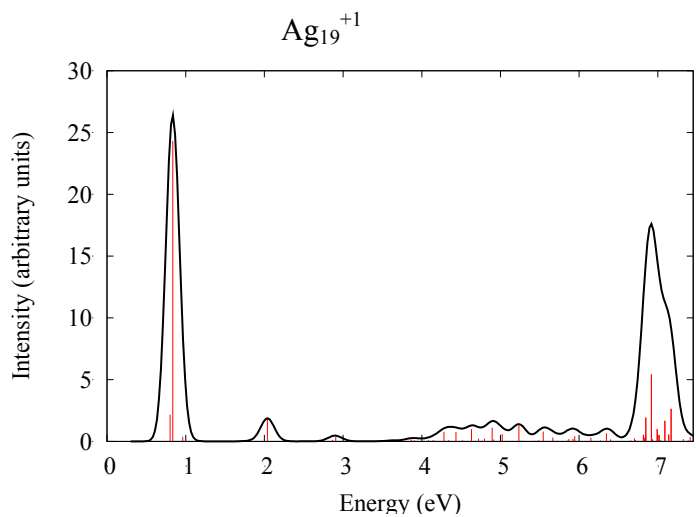
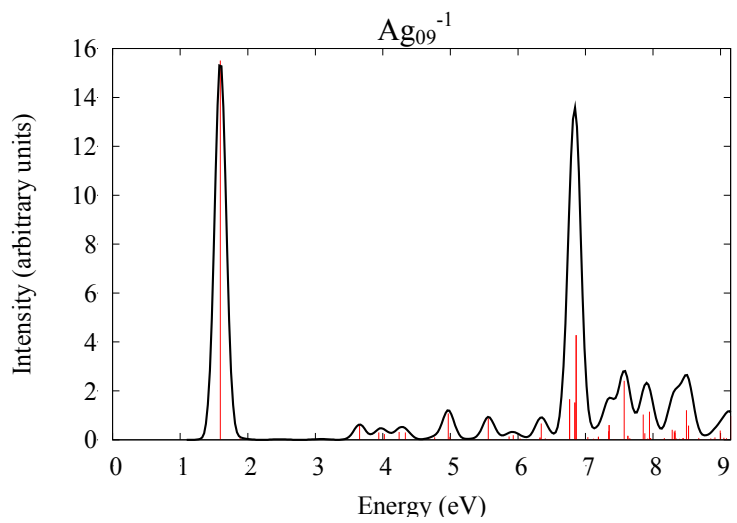
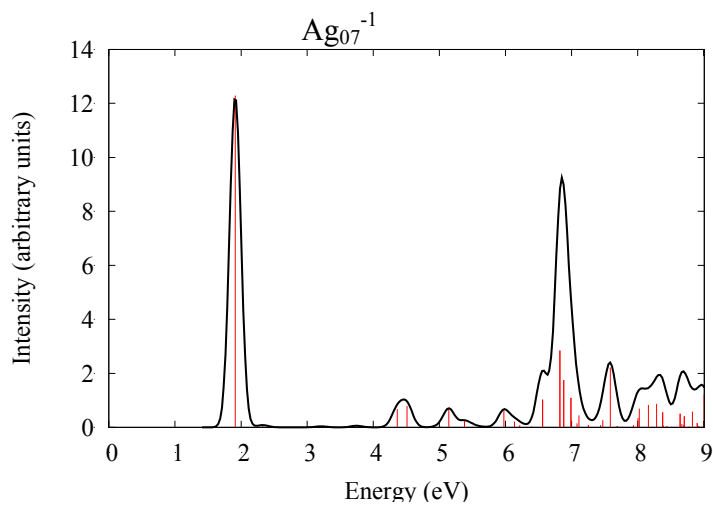
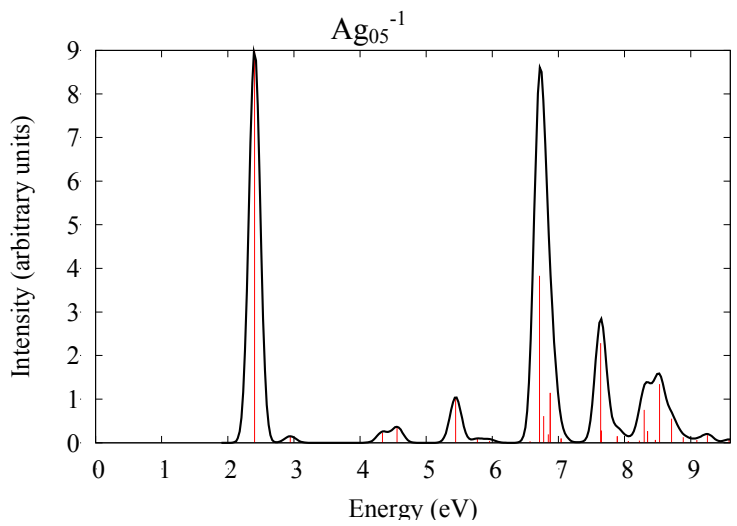
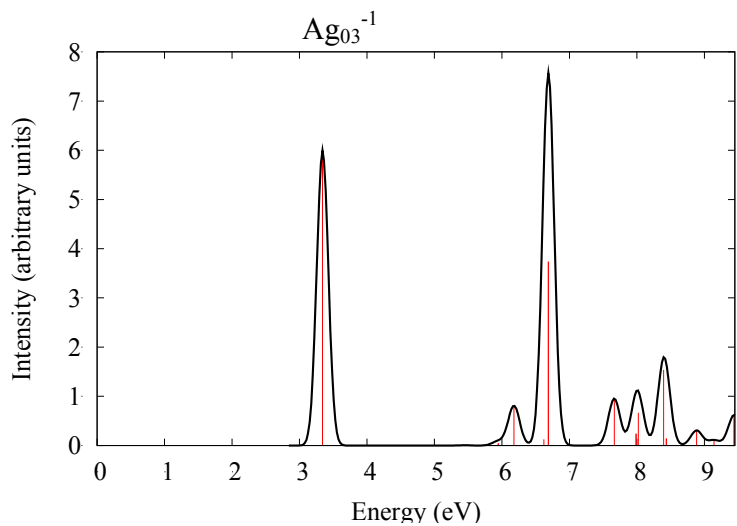


Figure S5: Positively charged silver nanowire excitation spectra with LB94/DZ.



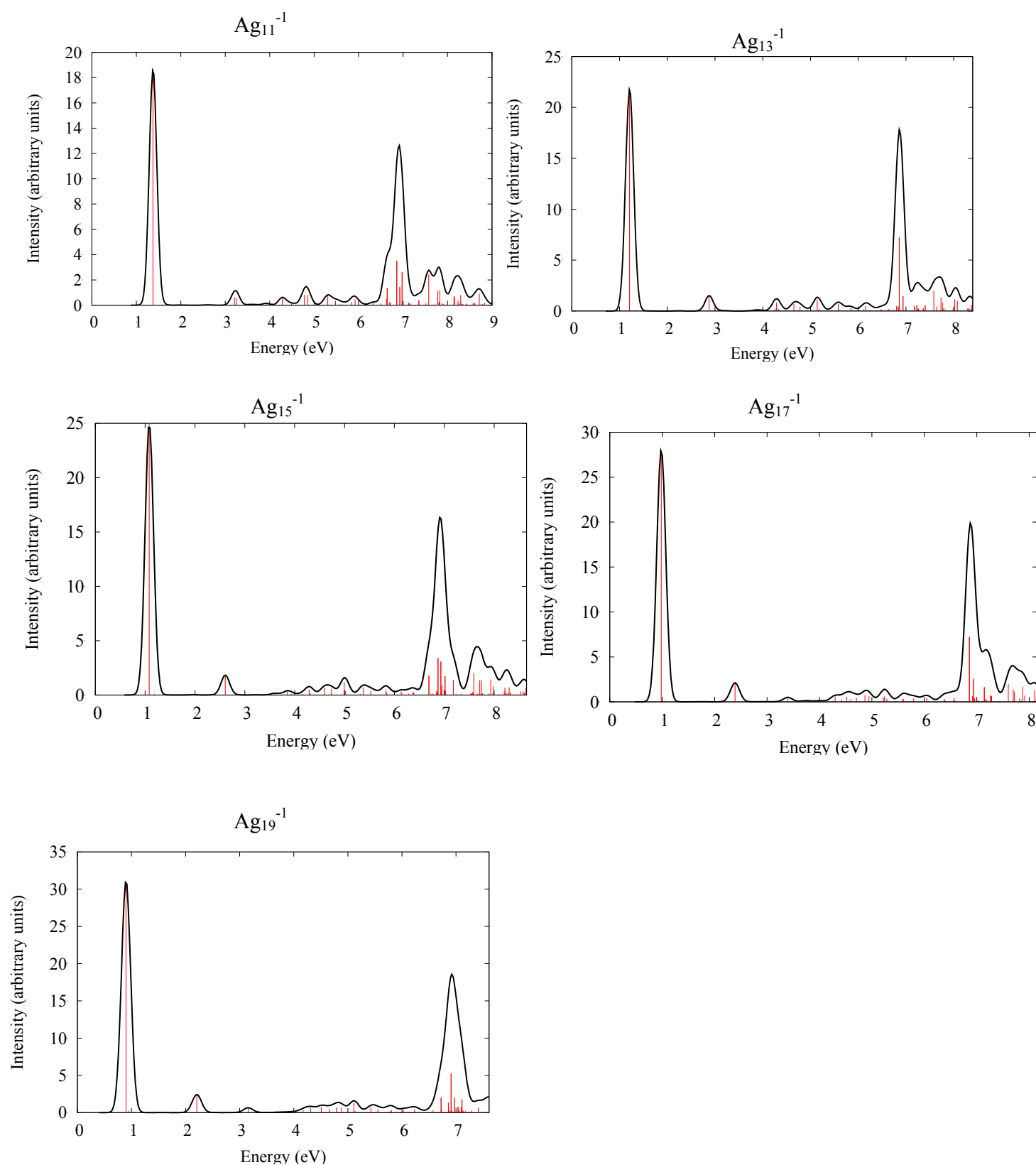
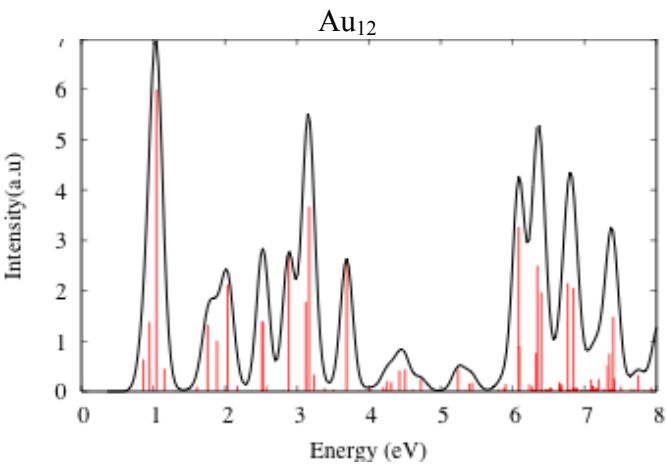
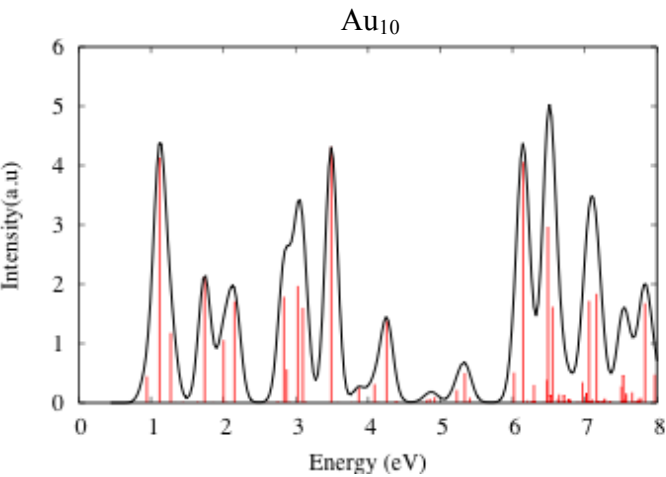
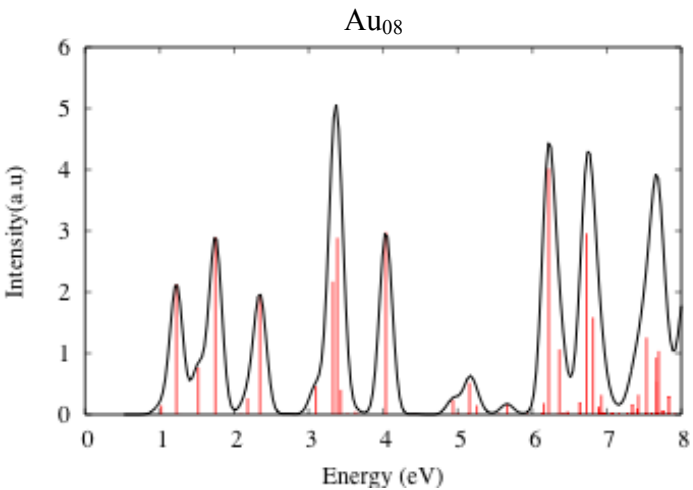
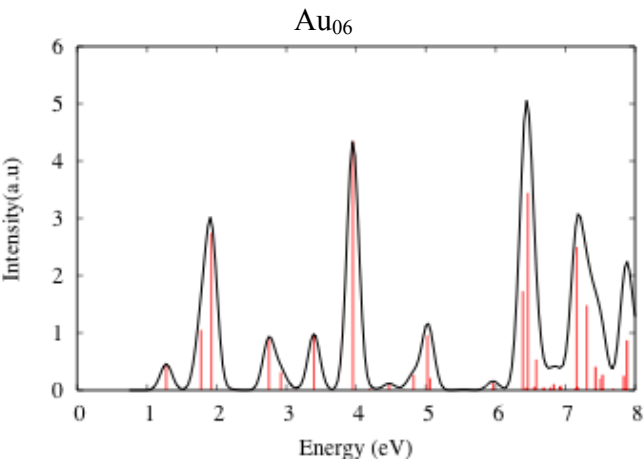
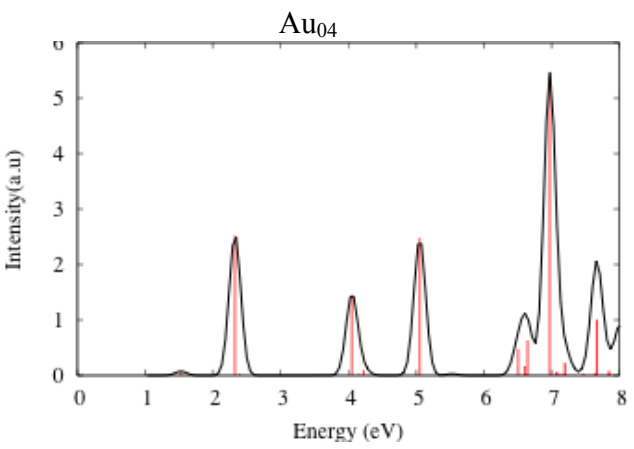
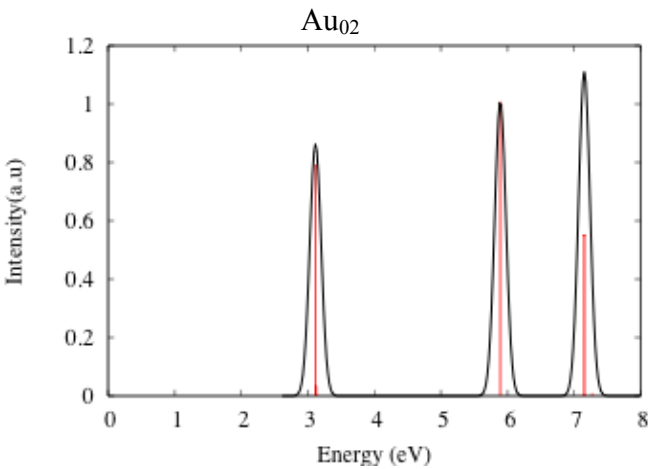


Figure S6: Negatively charged silver nanowire excitation spectra with LB94/DZ.

Gold nanowires



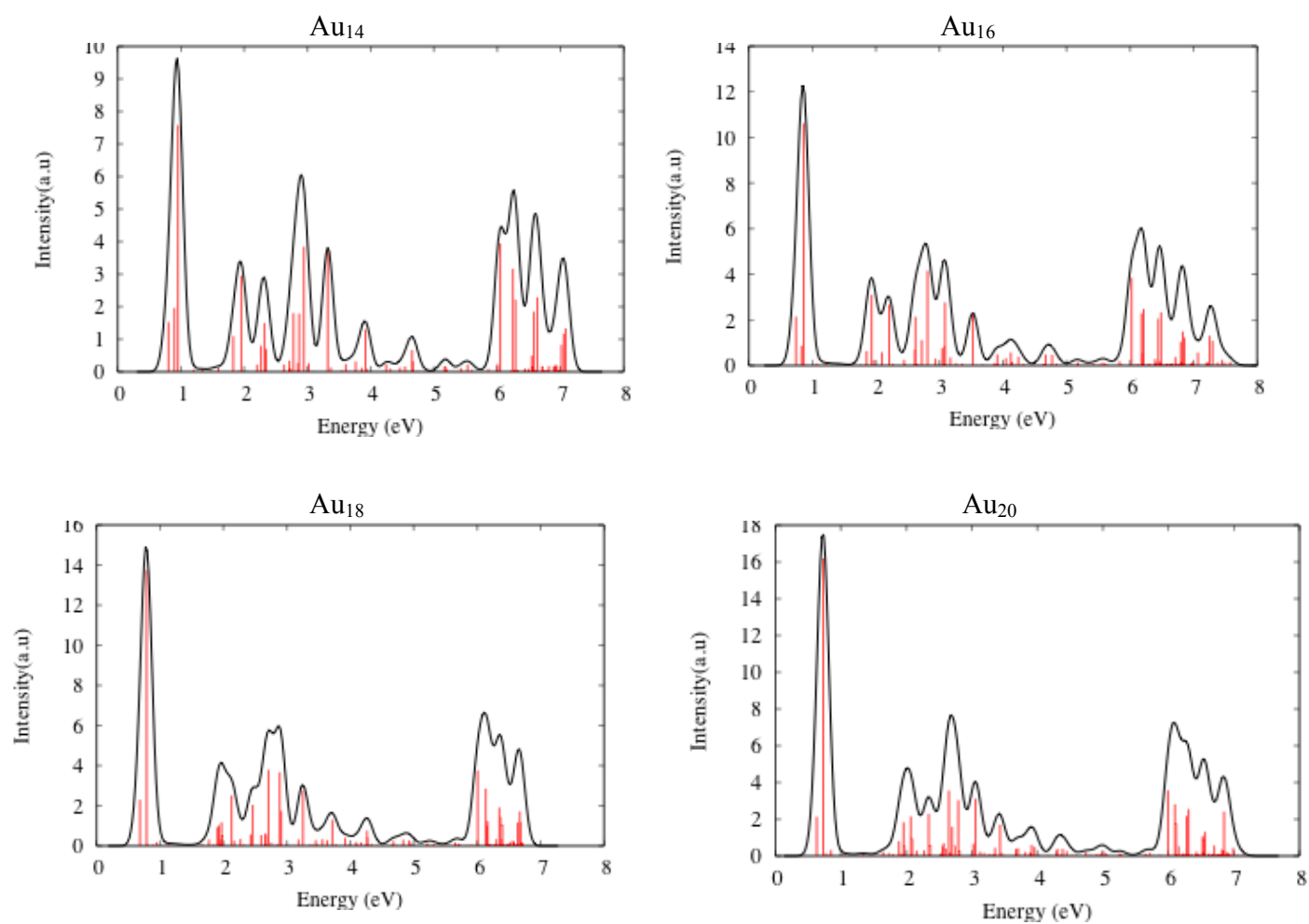
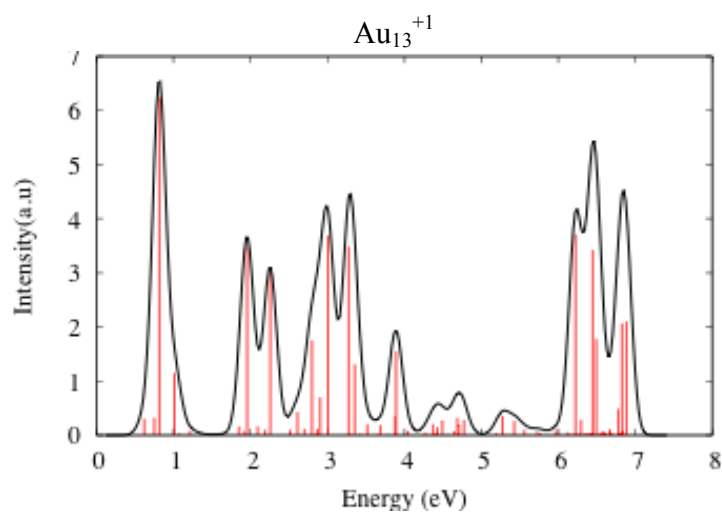
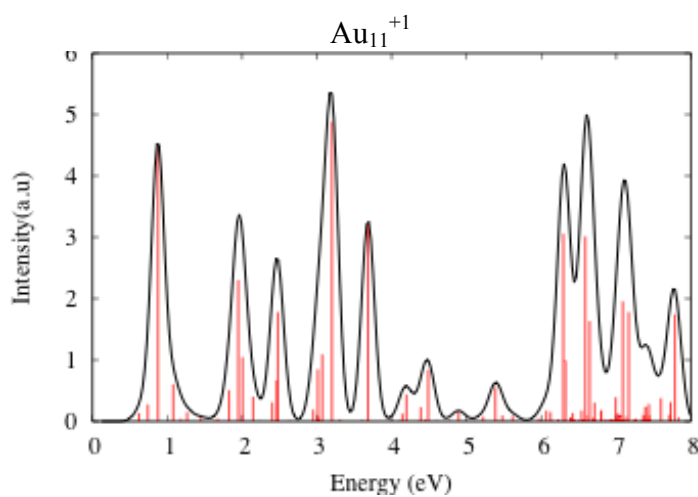
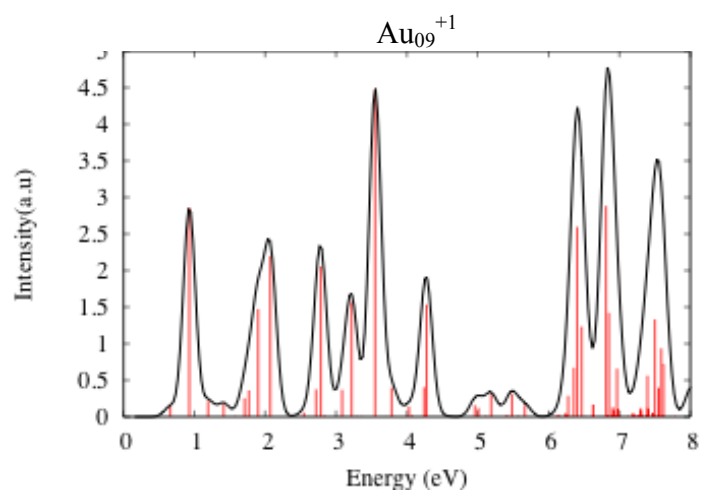
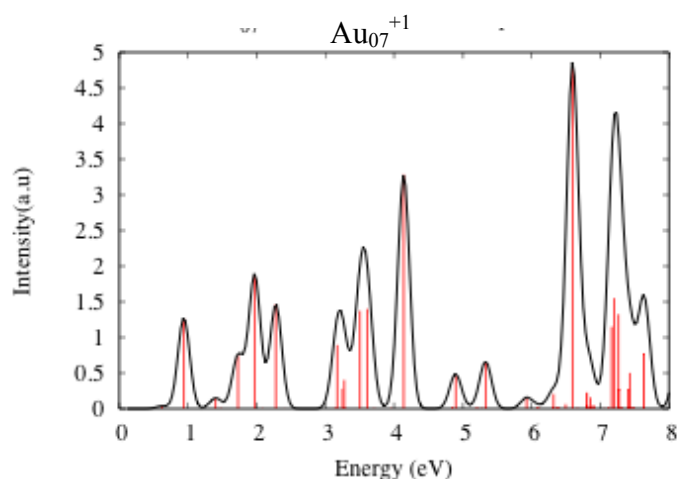
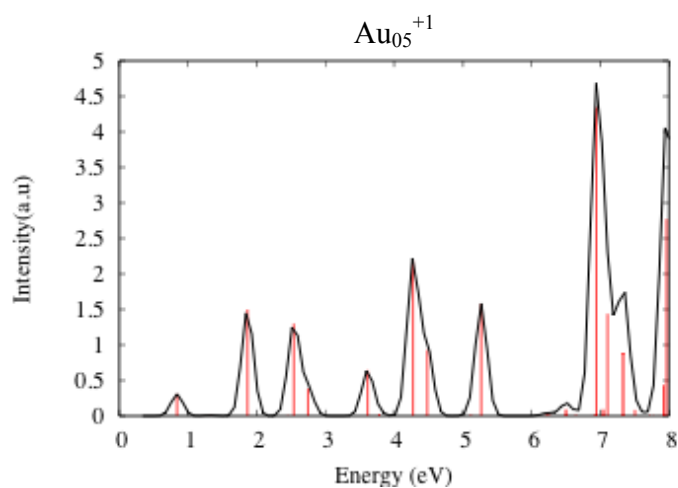
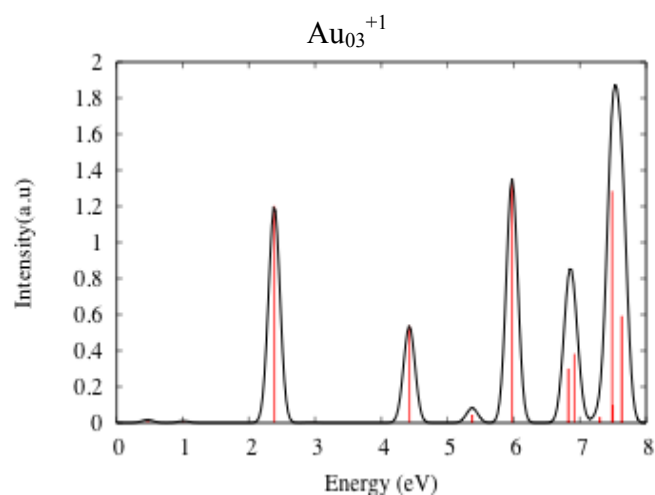


Figure S7: Neutral gold nanowire excitation spectra with SAOP/DZ.



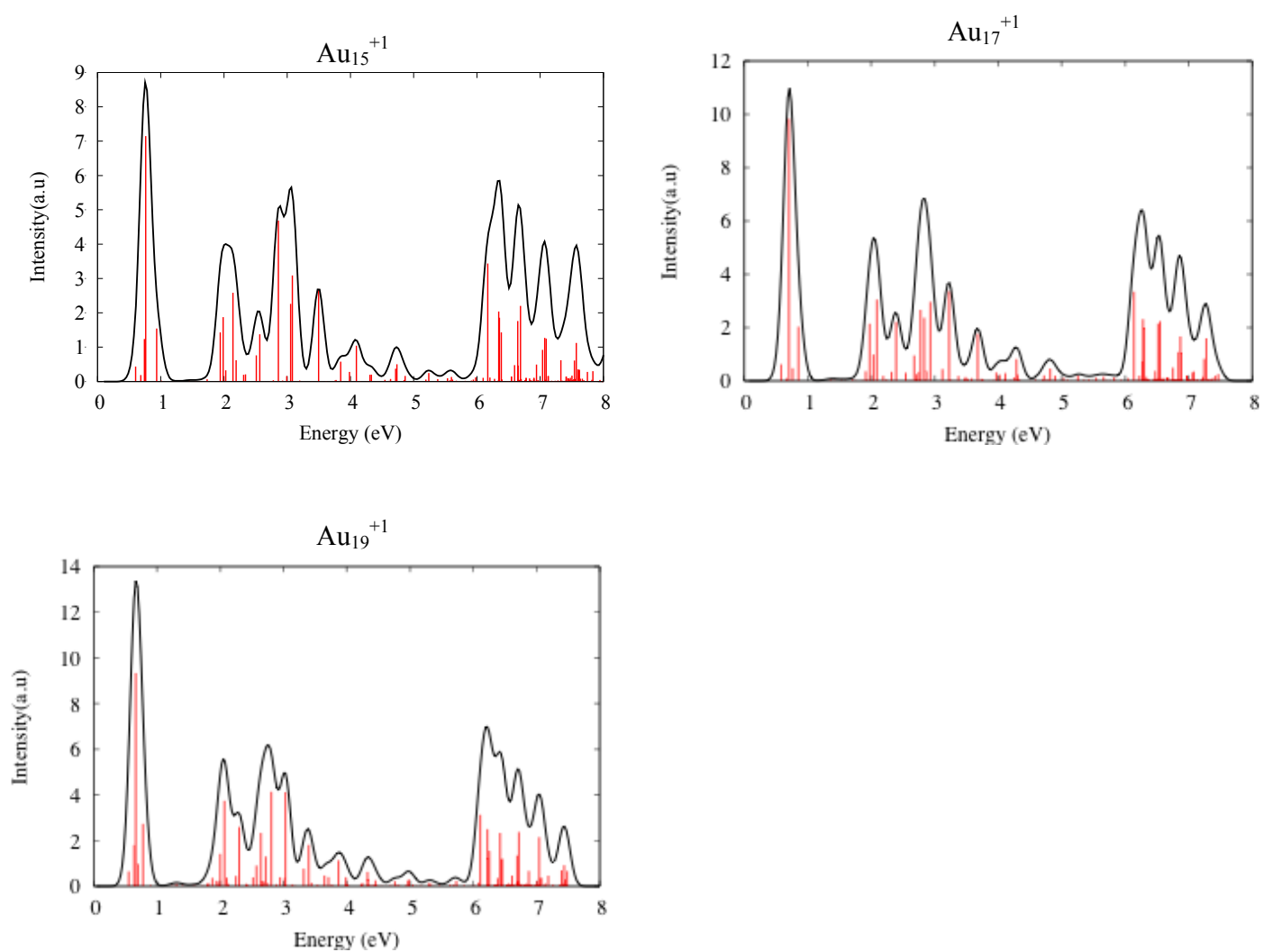
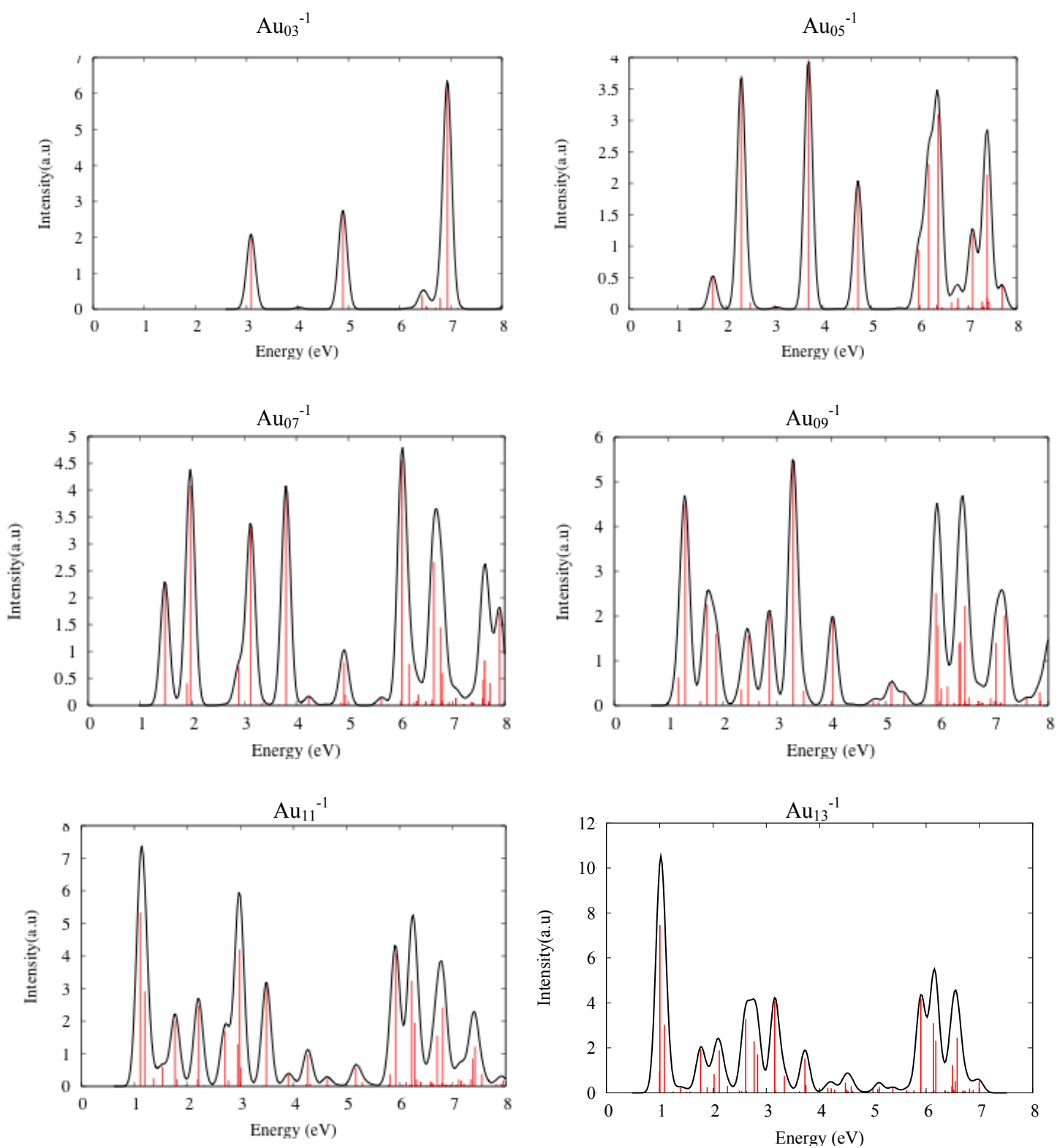


Figure S8: Positively charged gold nanowire excitation spectra with SAOP/DZ.



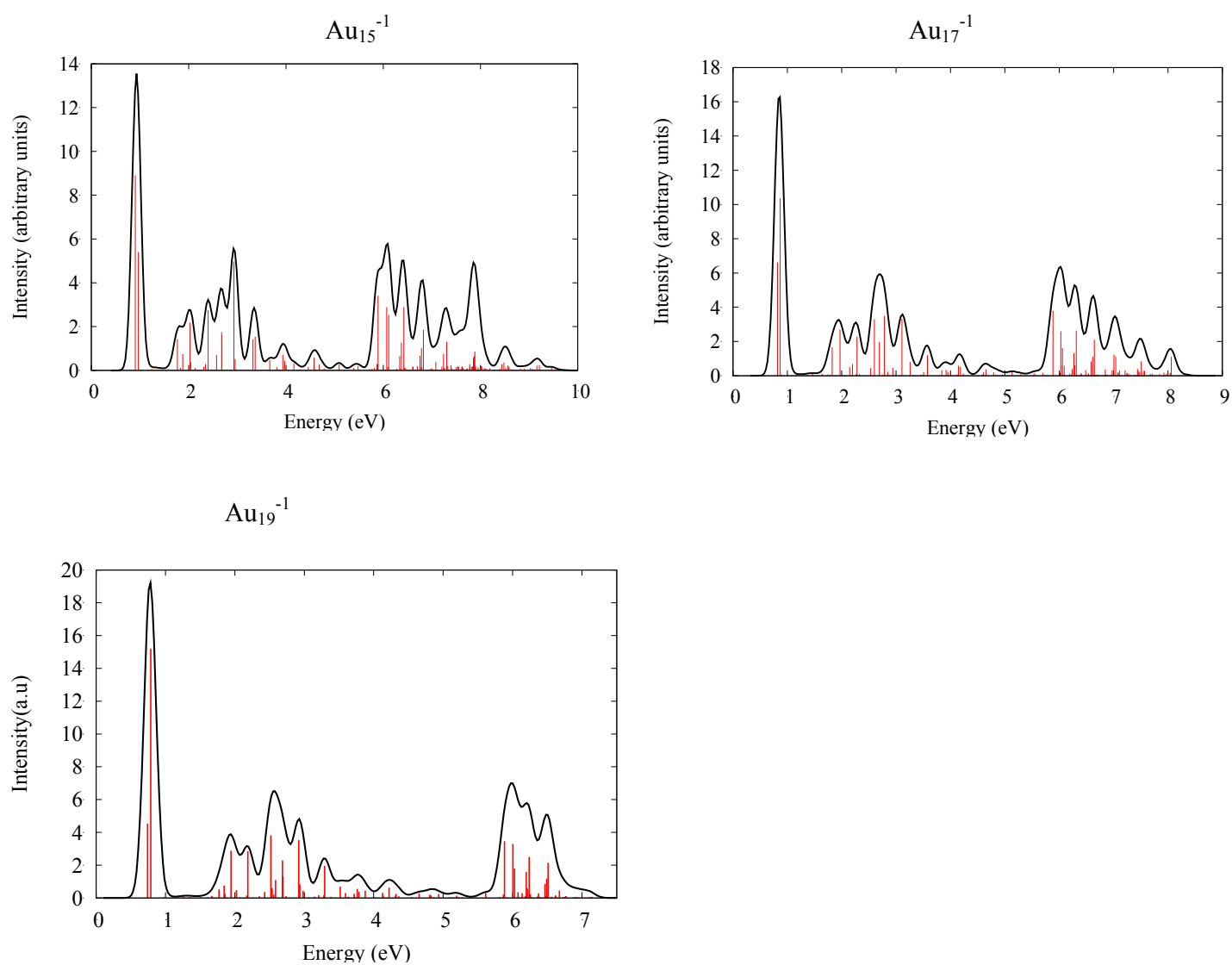
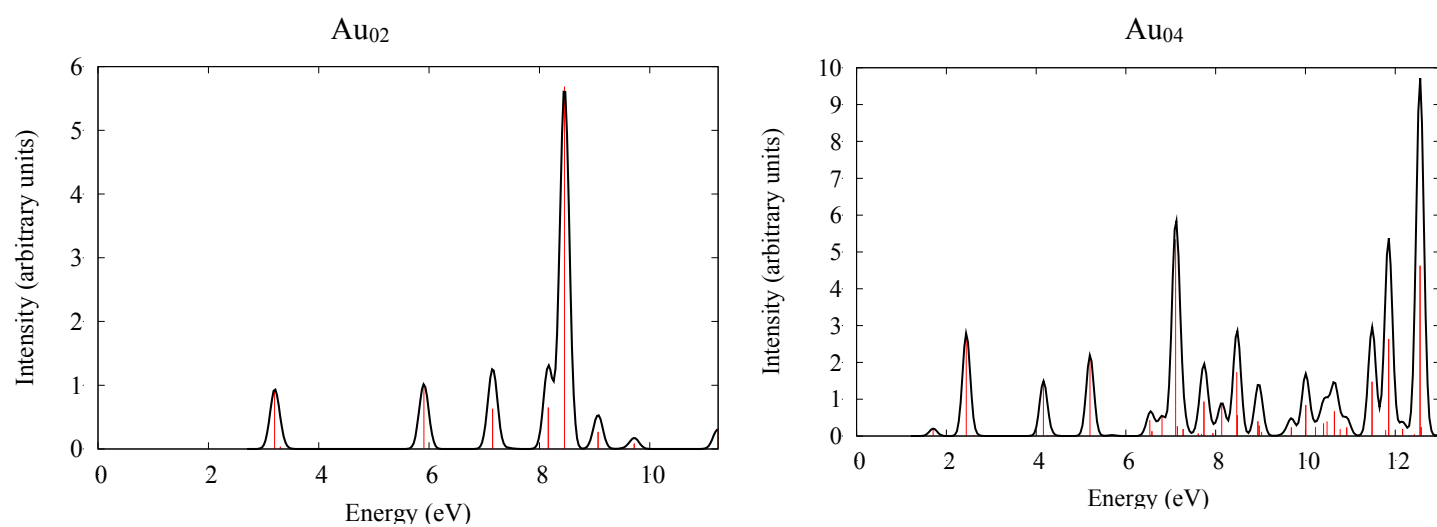
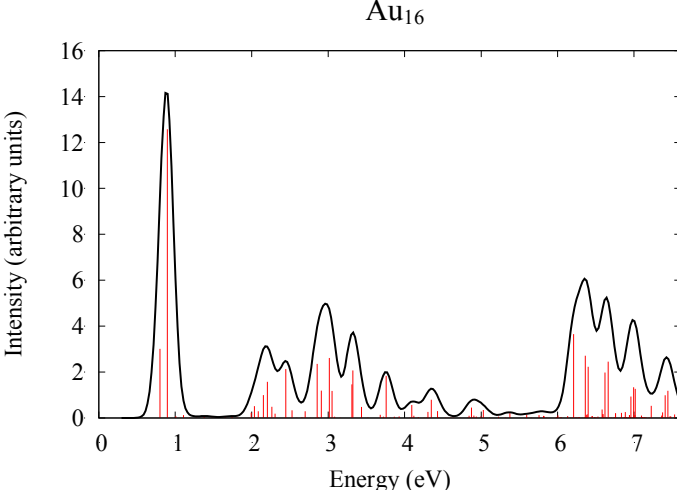
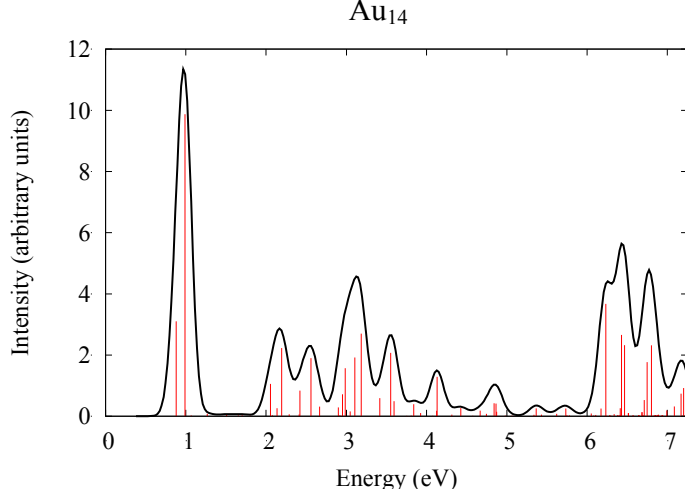
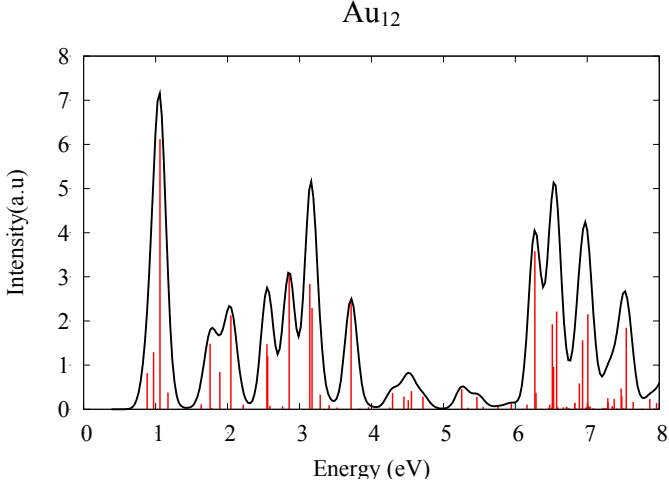
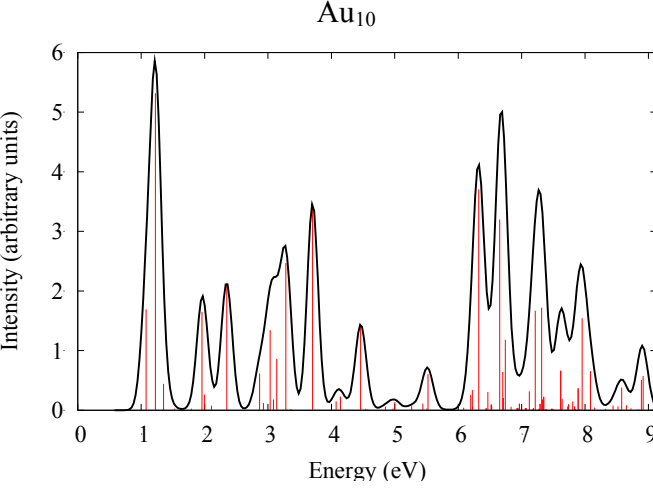
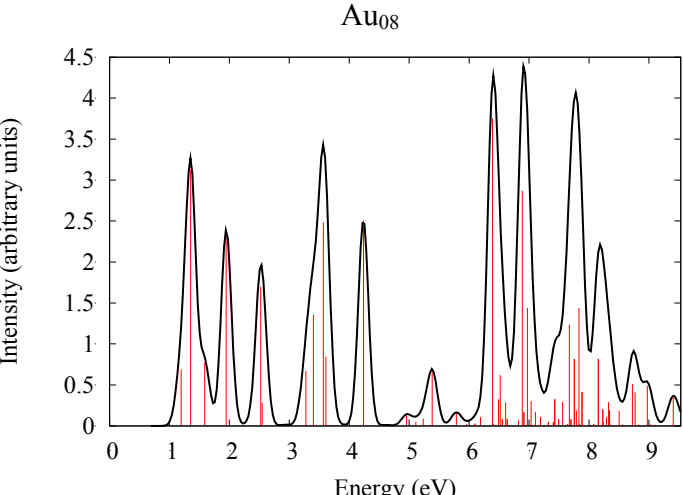
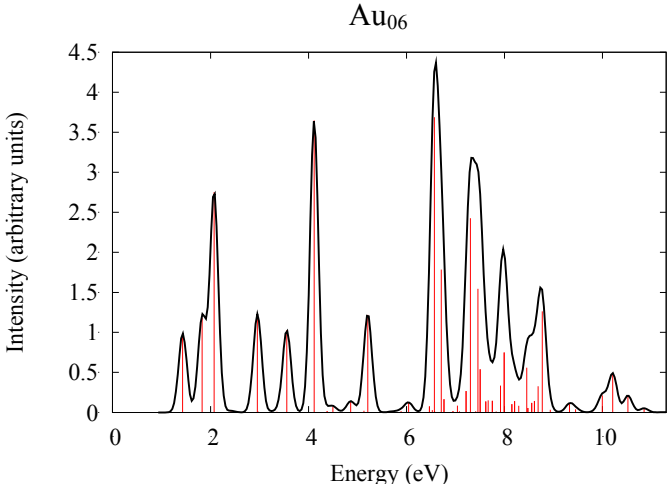


Figure S9: Negatively charged gold nanowire excitation spectra with SAOP/DZ.





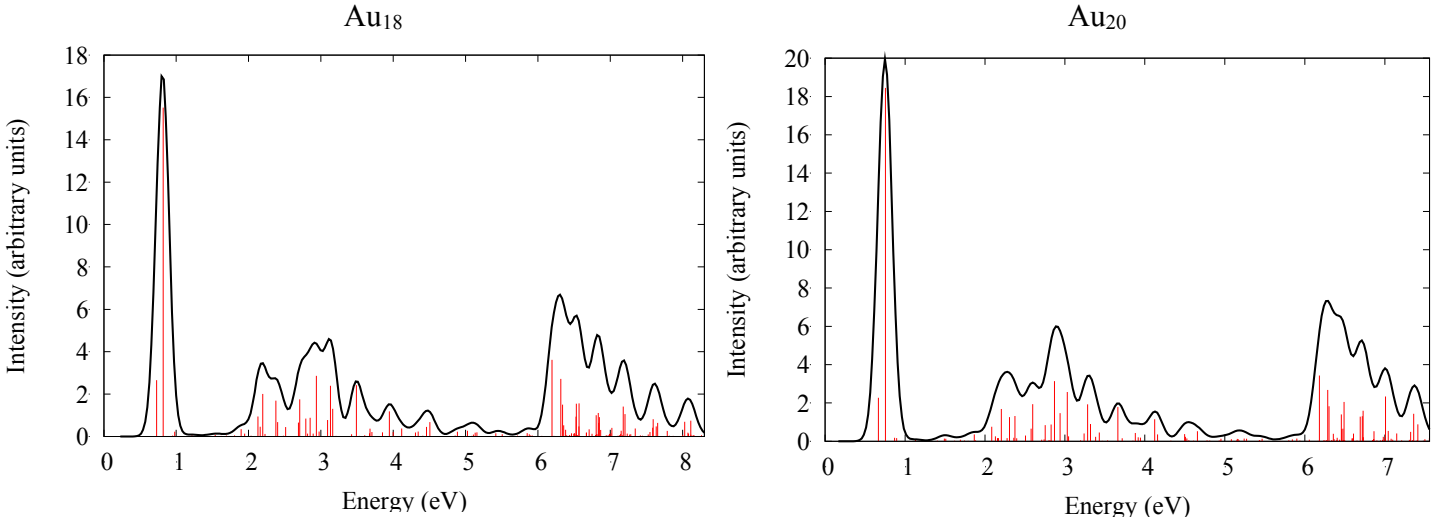
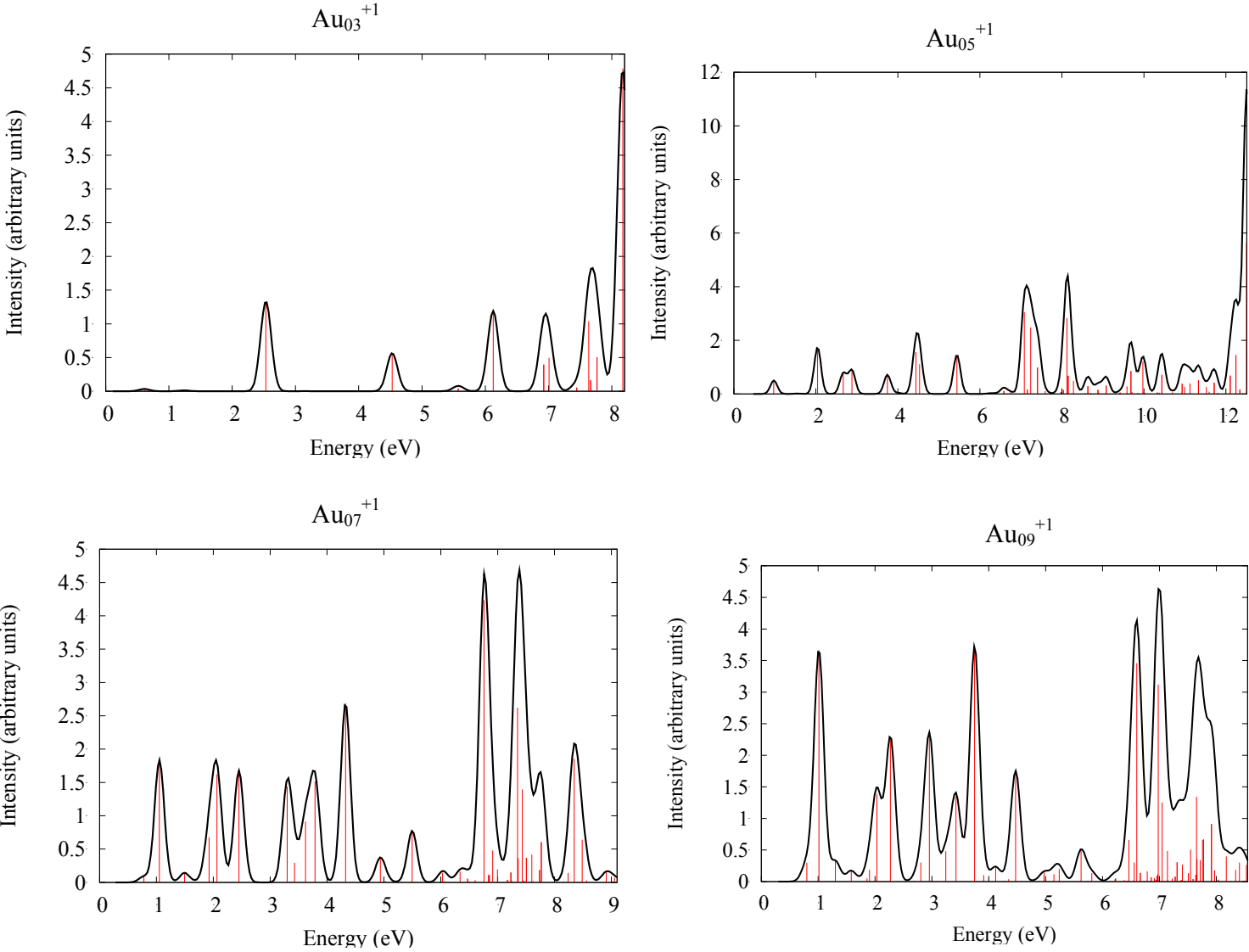


Figure S10: Neutral gold nanowire excitation spectra with LB94/DZ.



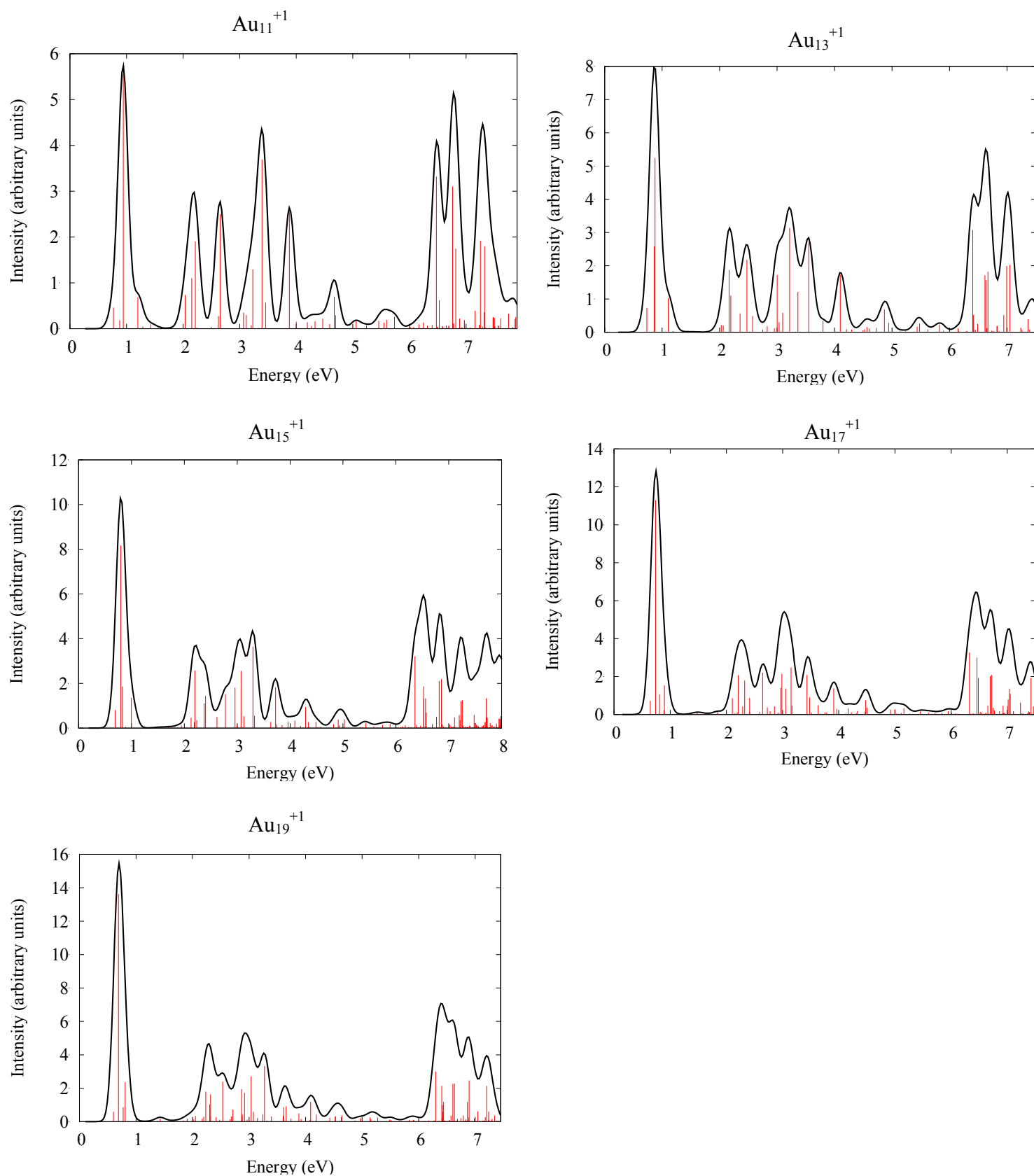
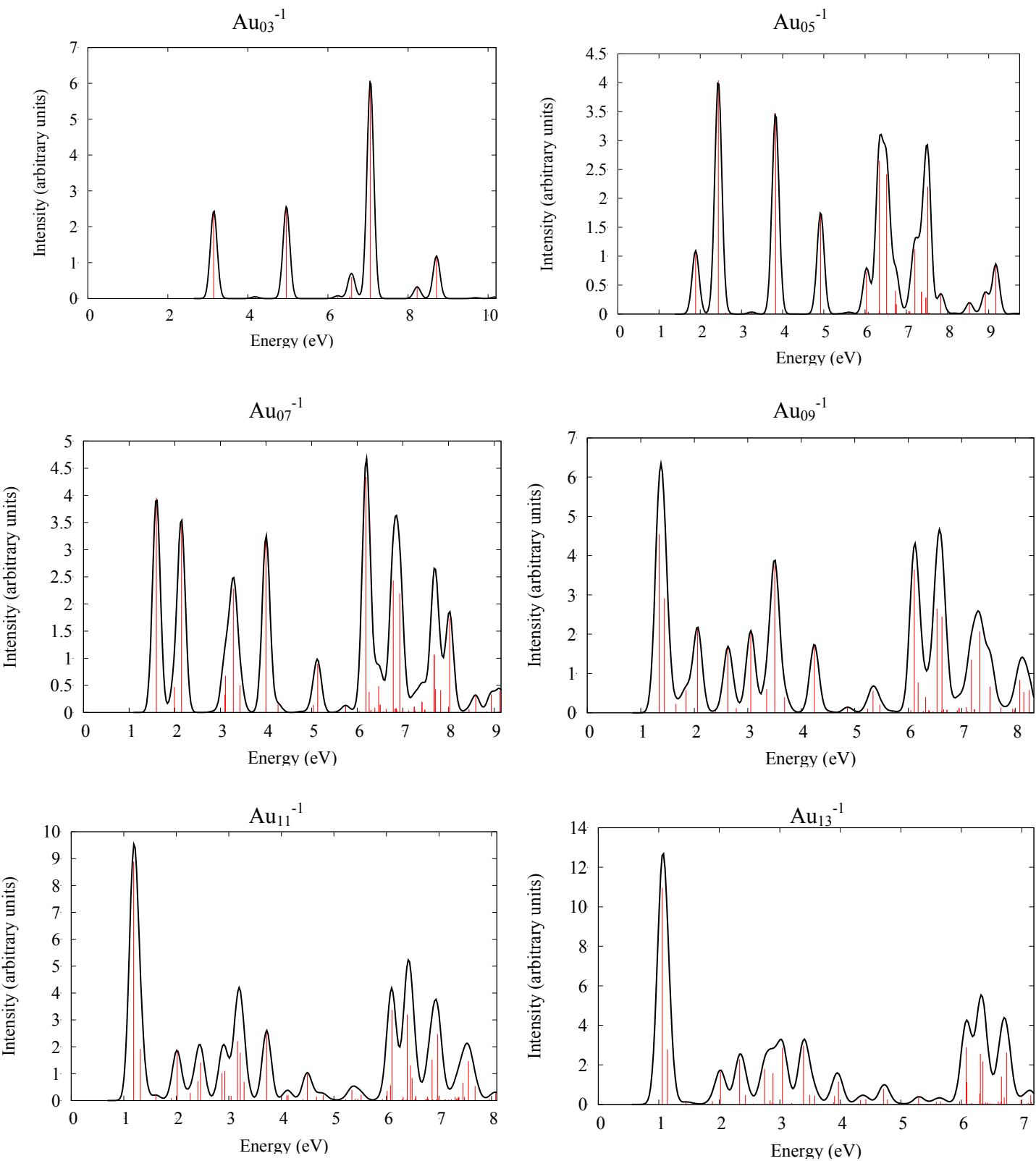


Figure S11: Positively charged gold nanowire excitation spectra with LB94/DZ.



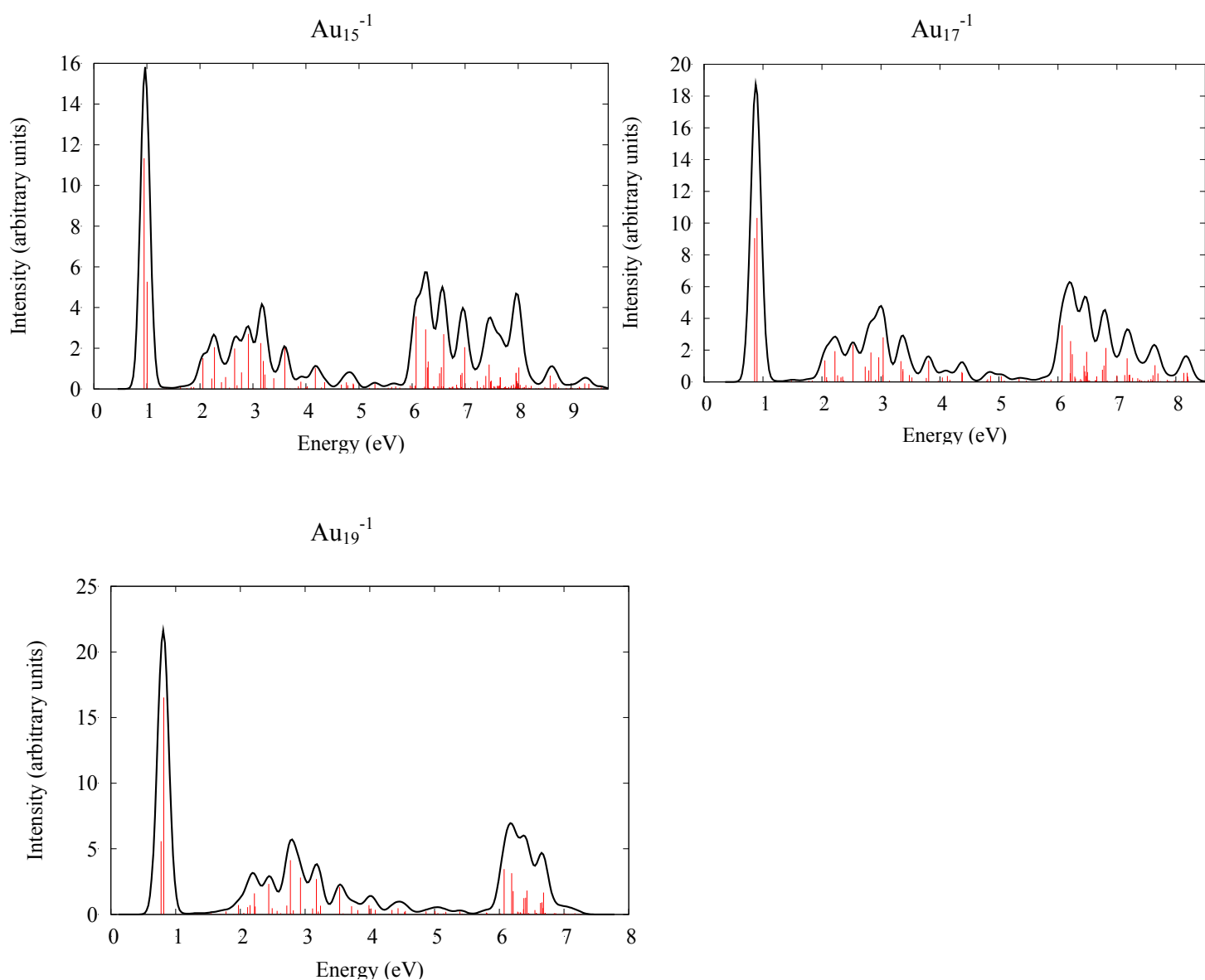


Figure S12: Negatively charged gold nanowire excitation spectra with LB94/DZ.