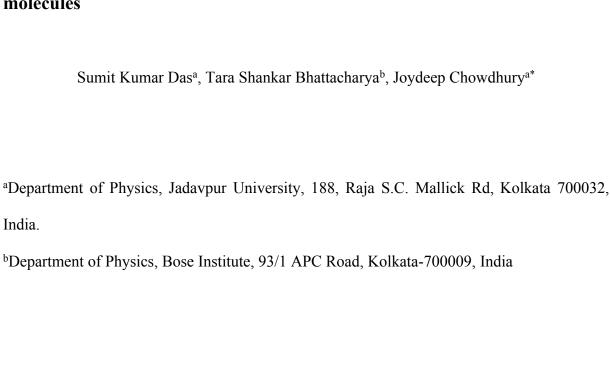
Supplementary Information

Deciphering Near-field response with the Far-field Wavelength-scanned SERS spectra of 4- Mercaptopyridine adsorbed on nanocolloidal gold entrapped in Langmuir Reverse Schaefer film of 5CB liquid crystal molecules



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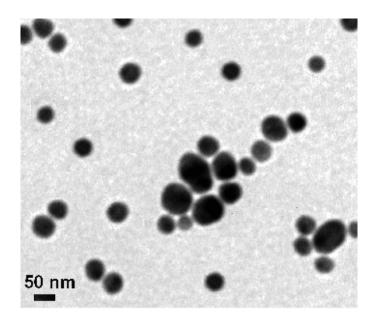


Fig. S1 HR TEM image of as synthesized AuNC.

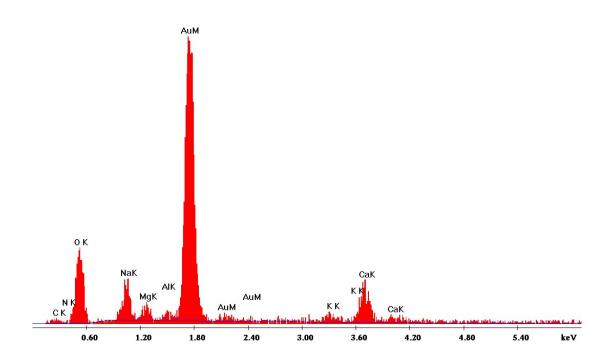


Fig. S2 Representative EDX analyses of the substrate recorded from FESEM image.

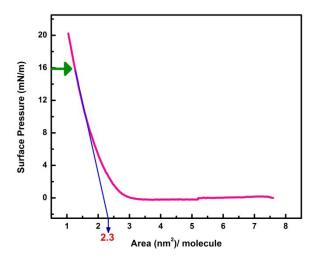


Fig. S3 Room temperature surface pressure (π) – area (A) compression isotherm of Langmuir monolayer of 5-CB LC molecule in water subspace (pH \sim 6.8)

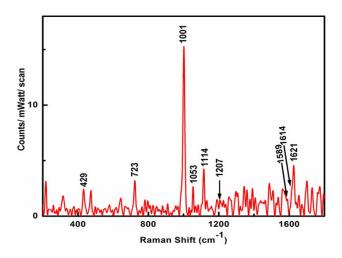


Fig. S4 Normal Raman spectra of 4-Mpy at 1 M aqueous solution.