

Supplementary Information

Solid Probe Assisted Nanoelectrospray Ionization Mass Spectrometry for Biological Tissue Diagnostics

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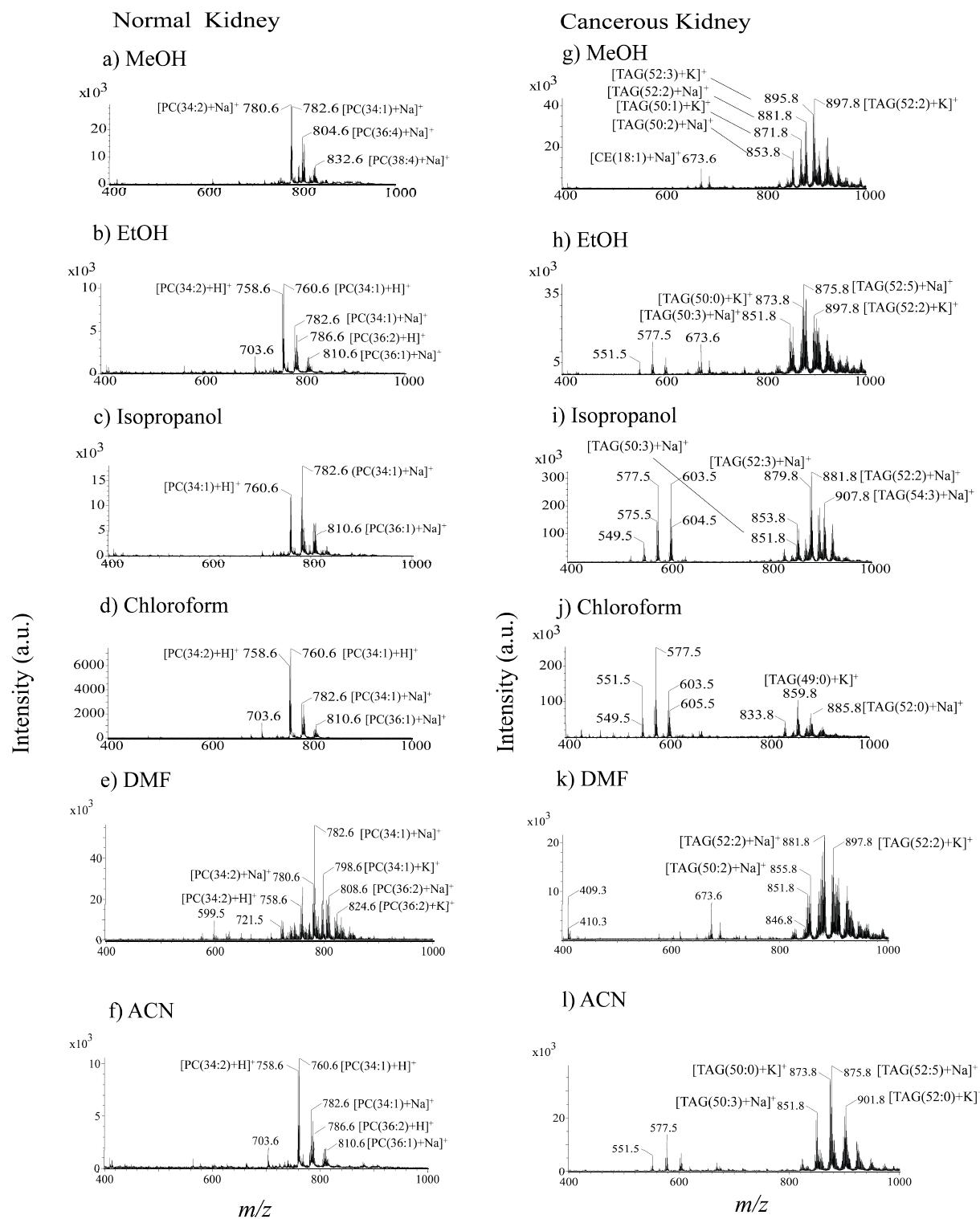
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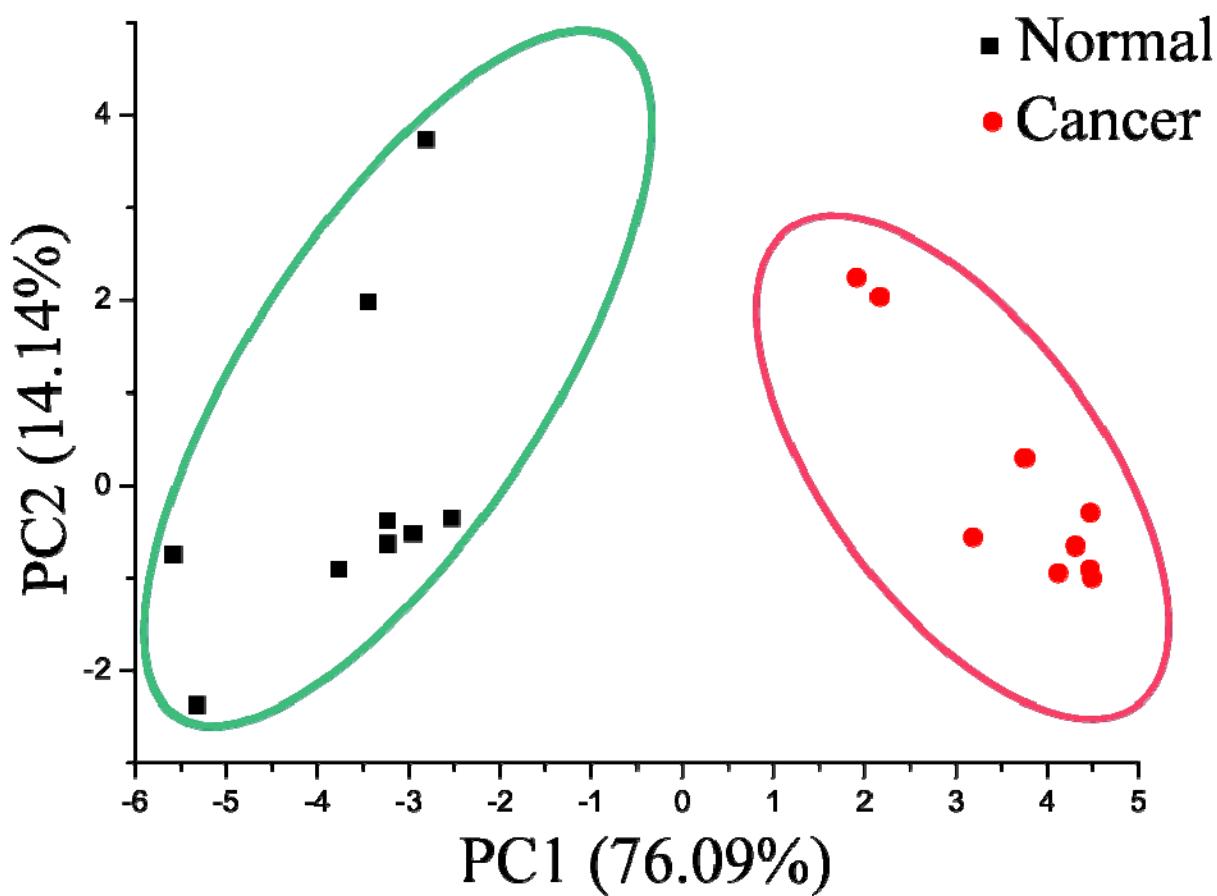
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Supplementary Fig. 1



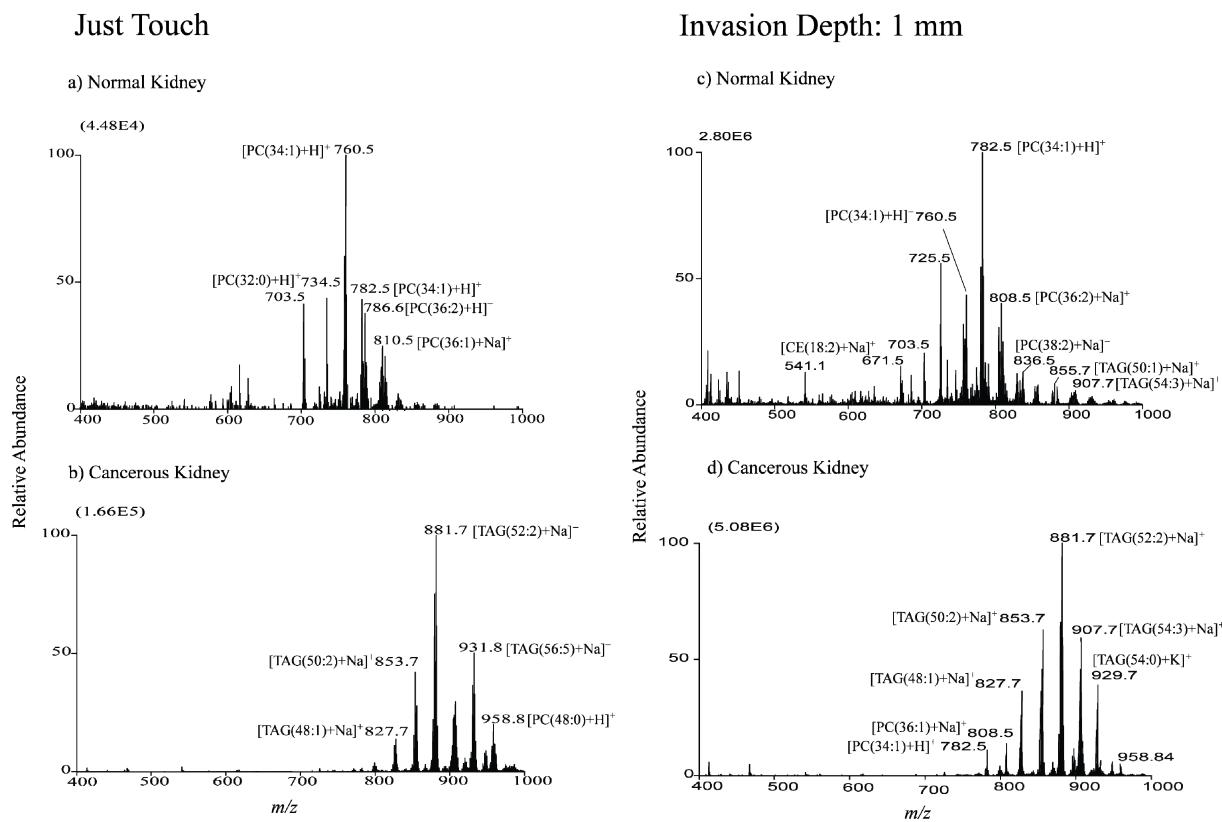
Supplementary Fig. 1: Positive mode SPA-nanoESI mass spectra of normal (a-f) and cancerous (g-l) kidney tissues, respectively, using MeOH, EtOH, isopropanol, CHCl₃, DMF and ACN as solvents. The data were obtained by using AccuTOF mass spectrometer.

Supplementary Fig. 2



Supplementary Fig. 2: Principal component analysis (PCA) from 9 normal kidney samples and their 9 cancerous counterparts obtained from 9 ccRCC patients. The mass spectra obtained by AccuTOF mass spectrometer were used for the analysis.

Supplementary Fig. 3



Supplementary Fig. 3: Positive mode SPA-nanoESI mass spectra of normal and cancerous kidney tissues measured by using Orbitrap Exactive mass spectrometer. The data were obtained by just touching the sample surface (a,b) and by sticking the needle with 1 mm invasion depth (c,d). Solvent: ACN/MeOH/isopropanol (1/1/1)