

Supplementary Material

Visual and Physical Degradation of the Black and White Mosaic of a *Roman Domus* under Palazzo Valentini in Rome: A Preliminary Study

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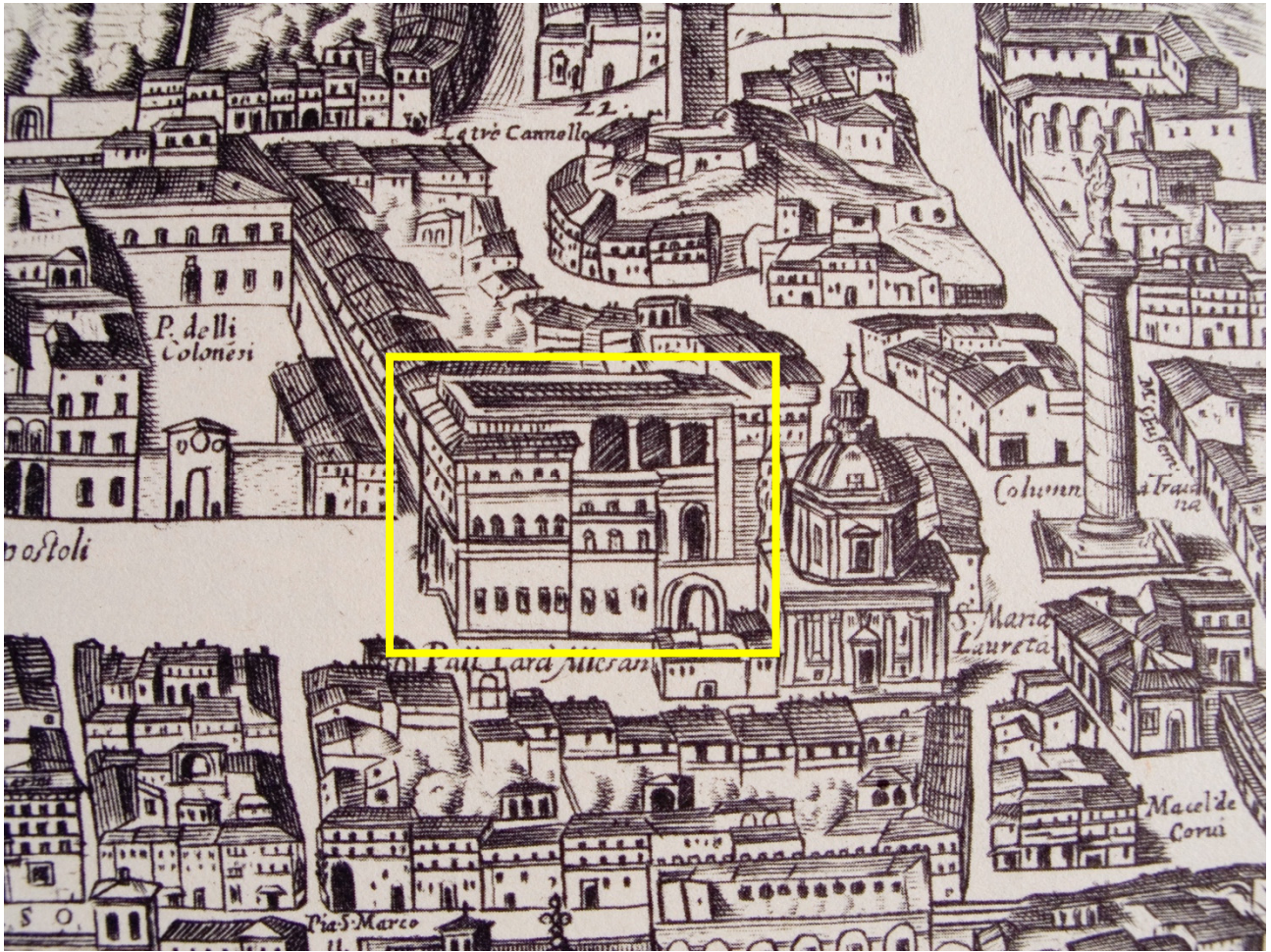


Figure S1. “Veduta di Roma” (1593) by Antonio Tempesta: in the yellow box Palazzo Valentini is highlighted.



Figure S2. Palazzo Valentini: a) *domus A*: rests of the *peristilium* with black and white mosaic pavement and bases for columns or pilasters; b) *domus A*: *triclinium* with colored geometric mosaic pavement.

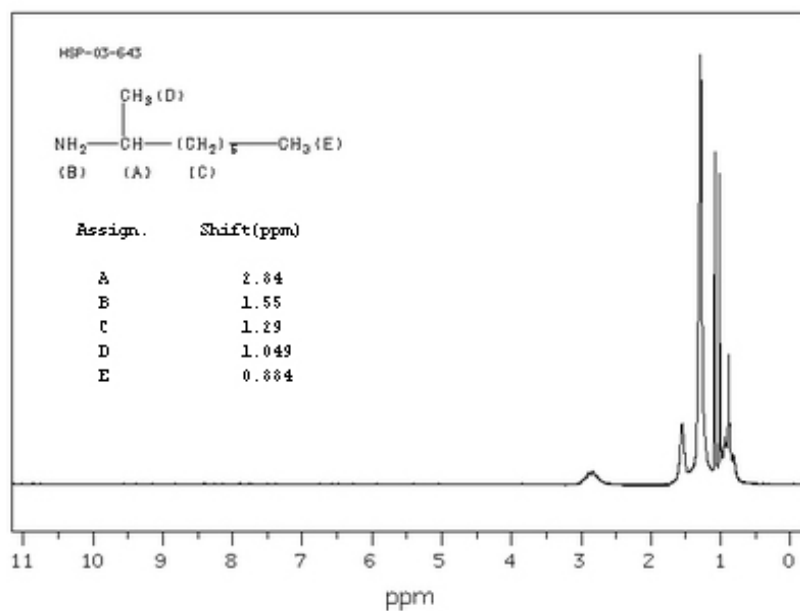
SDBS-¹H NMR SDBS No. 4461HSP-03-643

89.56 MHz

C₈H₁₉N

0.04 ml : 0.5 ml CDCl₃

1-methylheptylamine



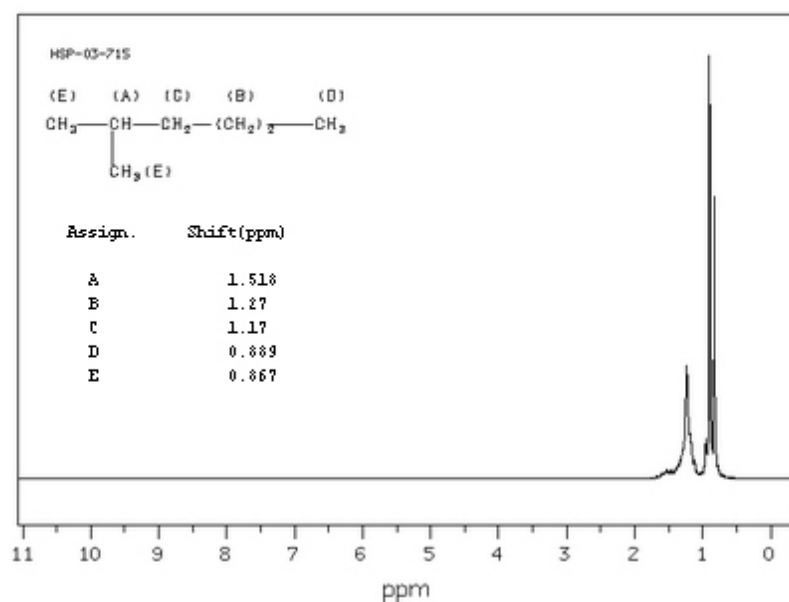
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89.56 MHz

C₇H₁₆

0.04 ml : 0.5 ml CDCl₃

2-methylhexane



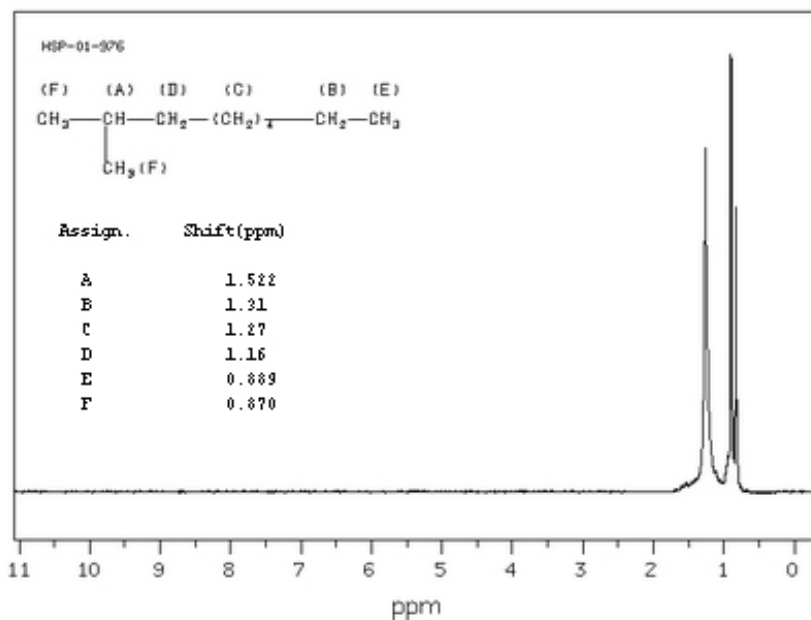
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C₁₀H₂₂

2-methylnonane

89.56 MHz

0.04 ml : 0.5 ml CDCl₃



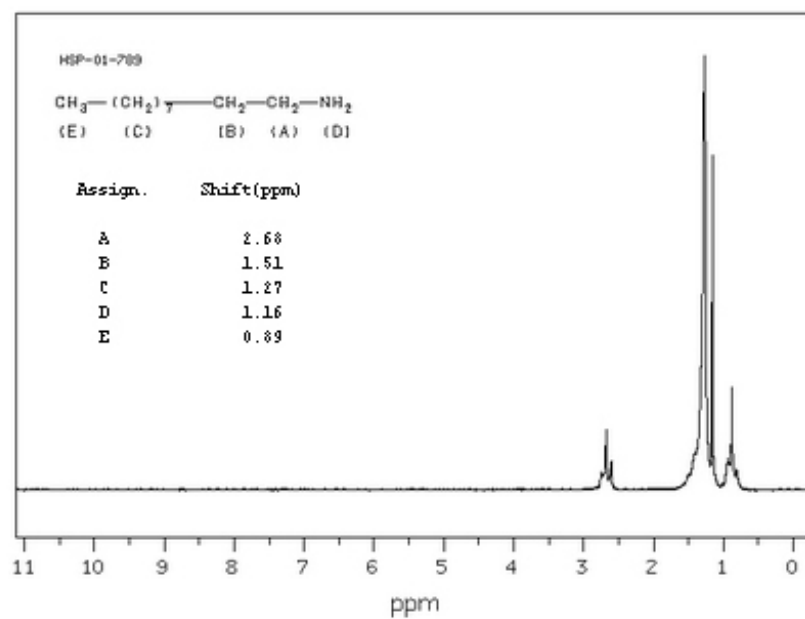
SDBS-¹H NMRSDBS No. 6866HSP-01-789

C₁₀H₂₃N

decylamine

89.56 MHz

0.04 ml : 0.5 ml CDCl₃



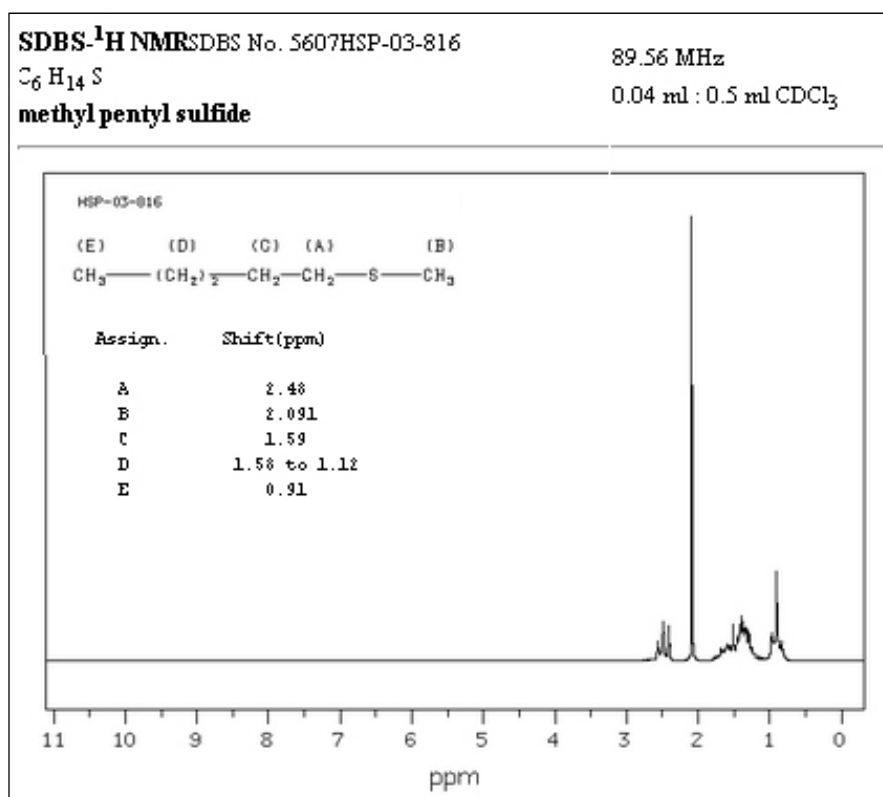
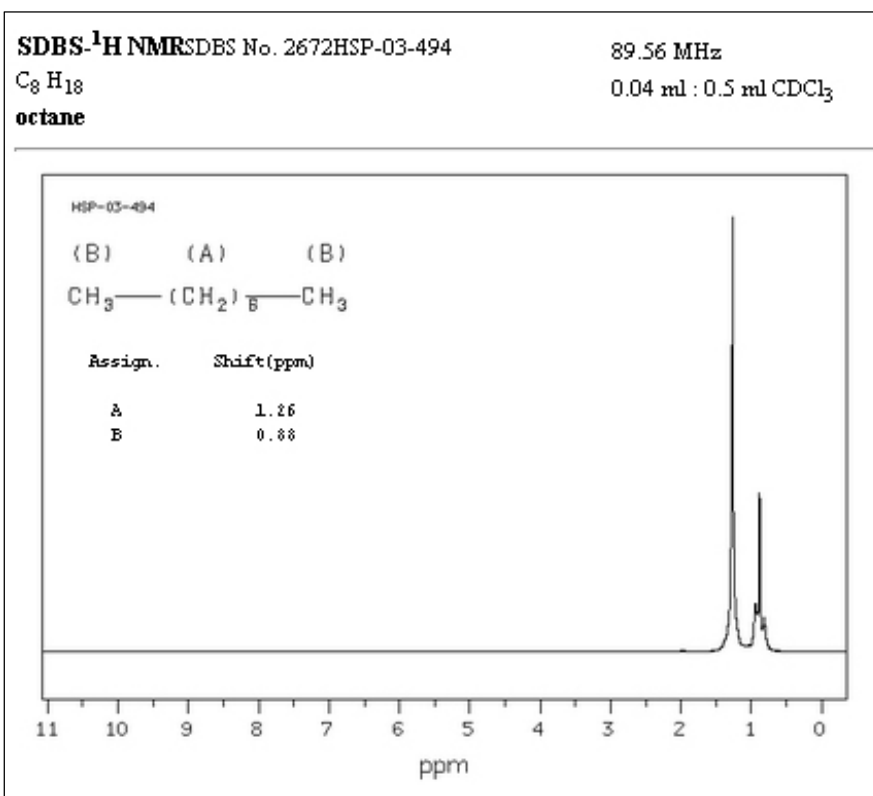
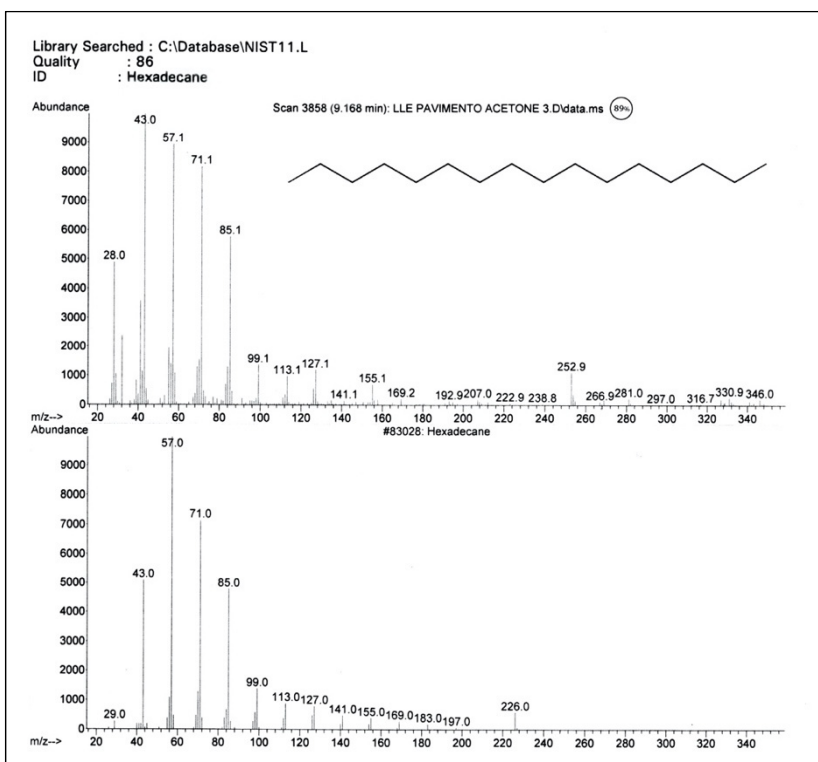
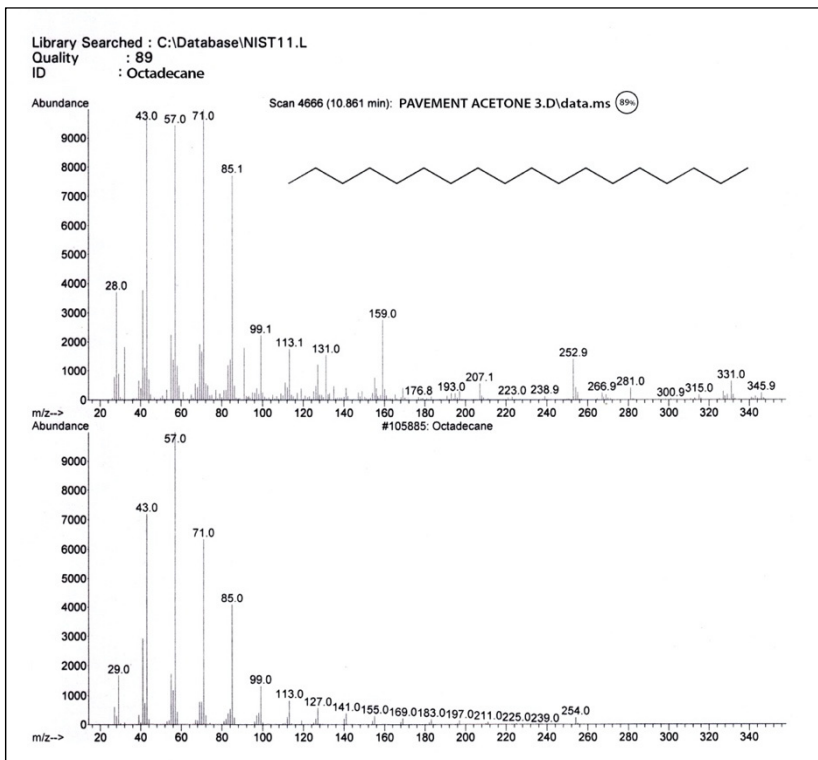


Figure S3. Spectra of the aliphatic hydrocarbons identified in the investigated samples (source: SDBS).



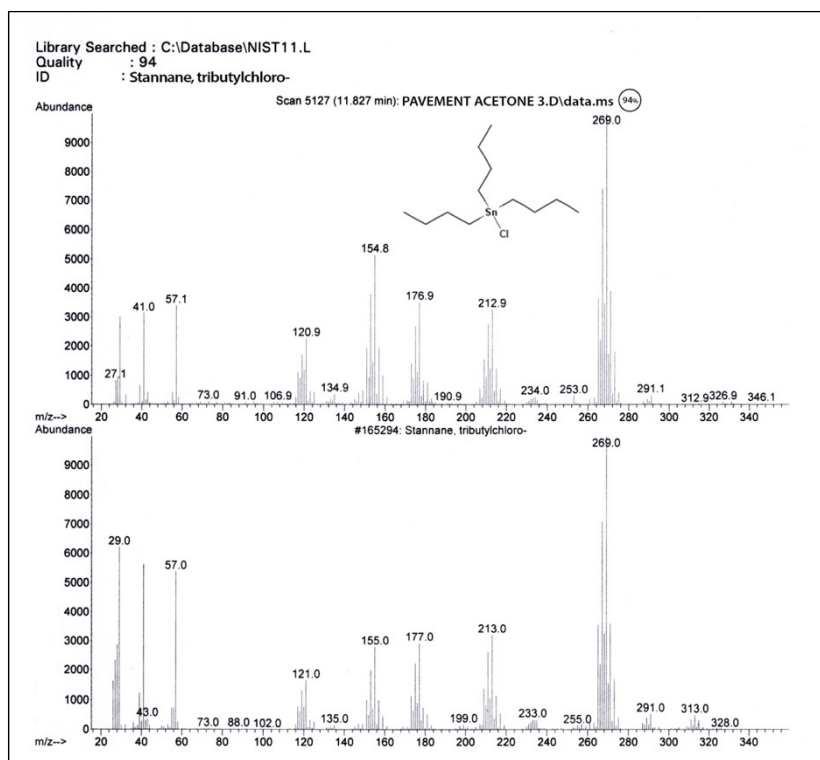
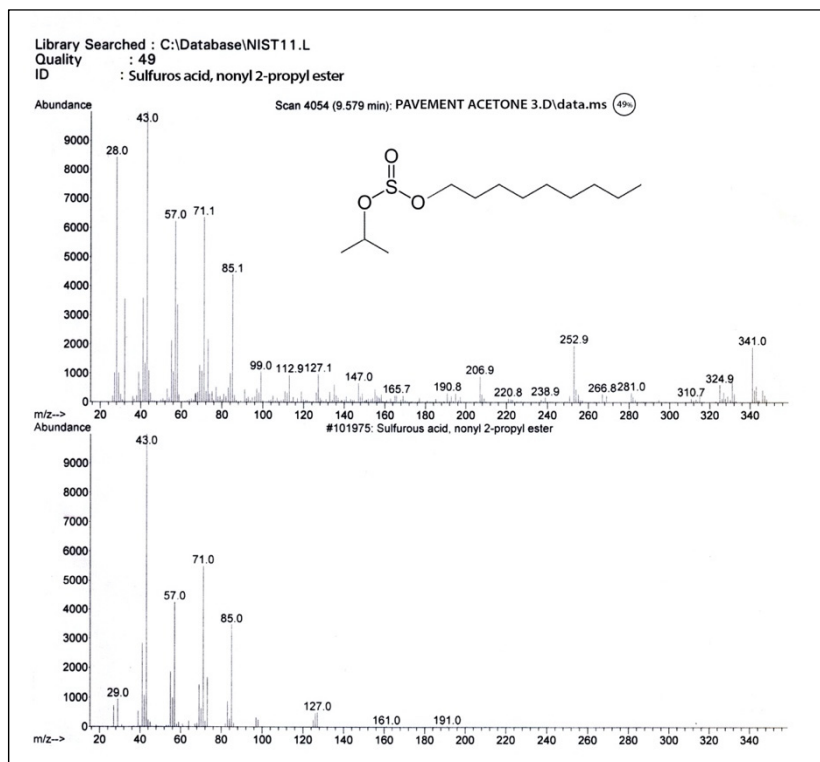


Figure S4. Mass spectra of the compounds (octadecane, hexadecane, nonyl 2-propyl ester sulfurous acid, tributylchloro-stannane) investigated in the floor sample.