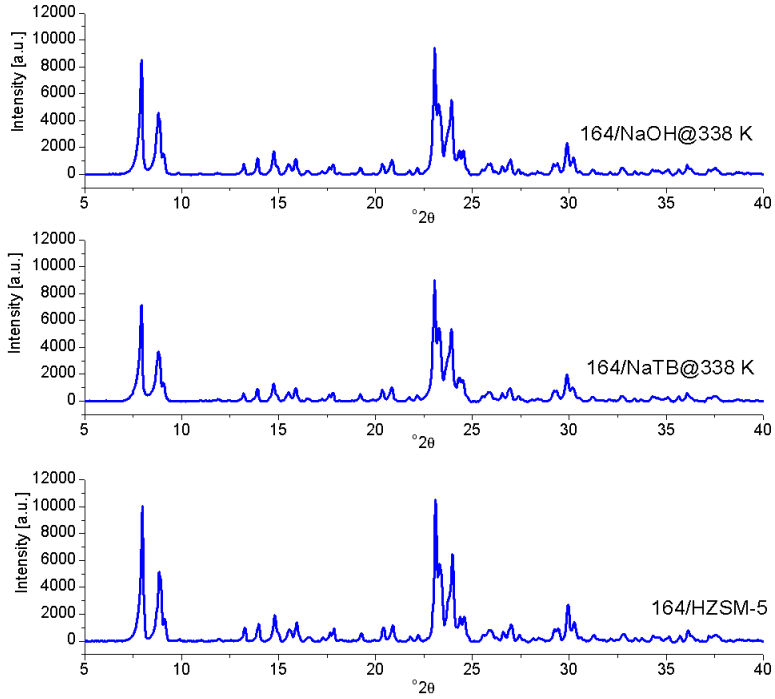

Fig.SI_01. XRD patterns for parent 164/HZSM-5 and the samples treated with NaOH and NaOH&TBAOH at 338 K

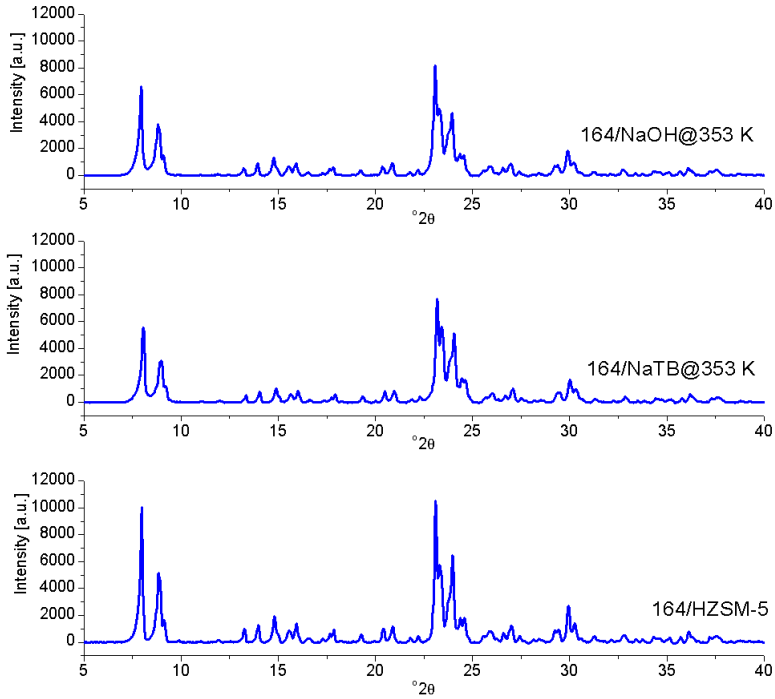

Fig.SI_02. XRD patterns for parent 164/HZSM-5 and the samples treated with NaOH and NaOH&TBAOH at 353 K

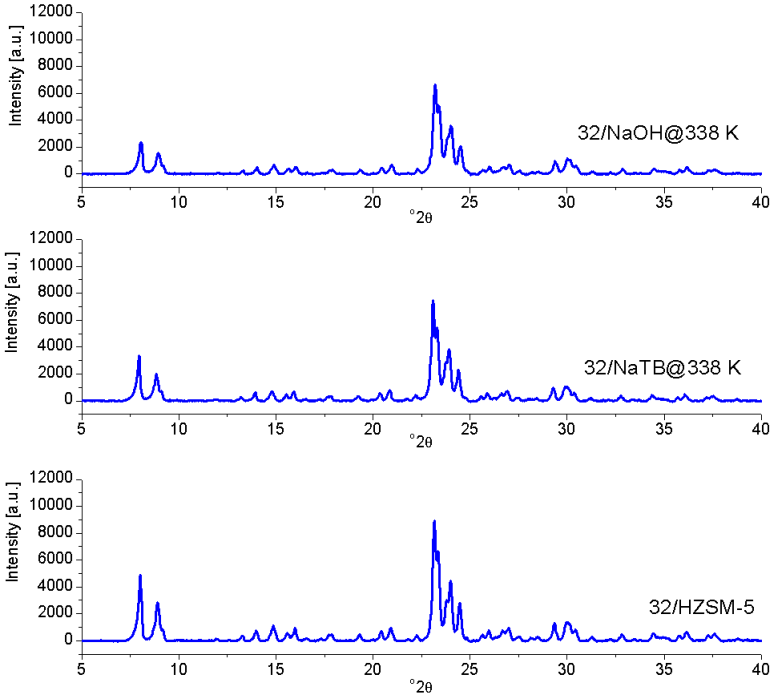

Fig.SI_03. XRD patterns for parent 32/HZSM-5 and the samples treated with NaOH and NaOH&TBAOH at 338 K

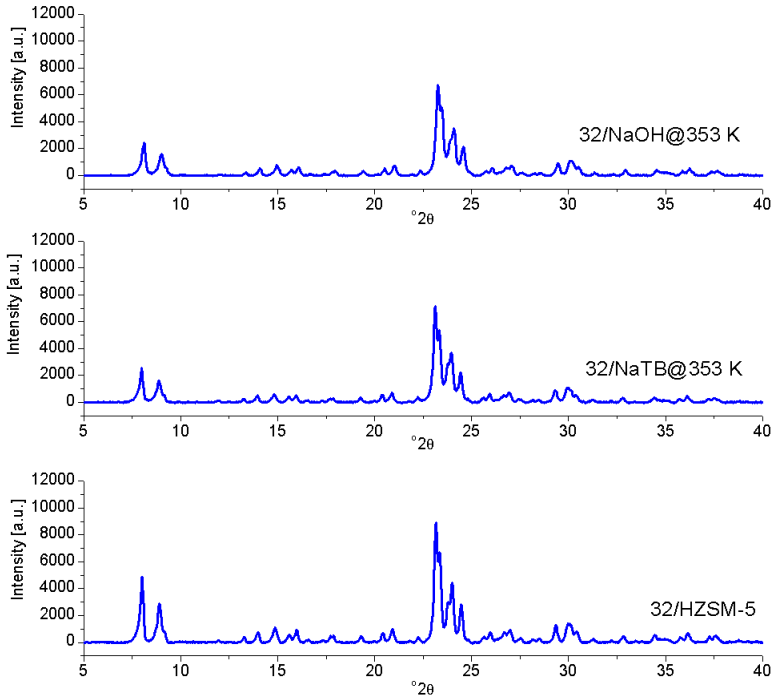

Fig.SI_04. XRD patterns for parent 32/HZSM-5 and the samples treated with NaOH and NaOH&TBAOH at 353 K

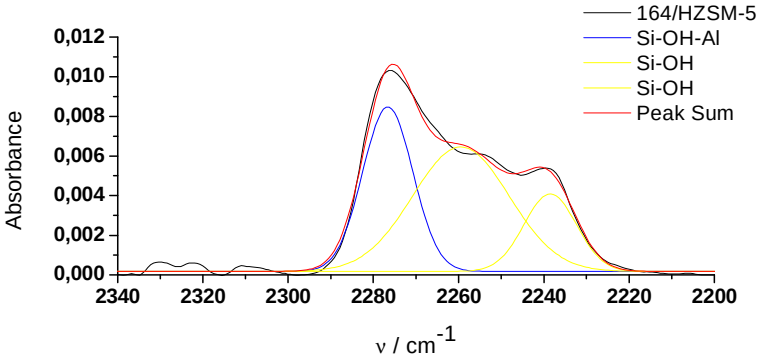

Fig.SI_06 Deconvolusion of the IR spectra of Pn adsorbed on 164/HZSM-5

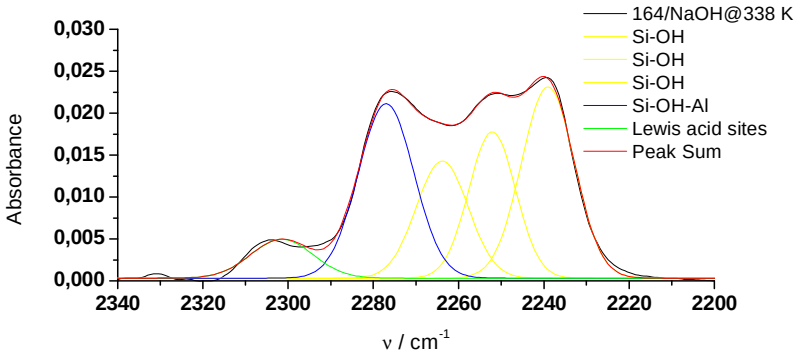

Fig.SI_07 Deconvolusion of the IR spectra of Pn adsorbed on 164/NaOH@338 K

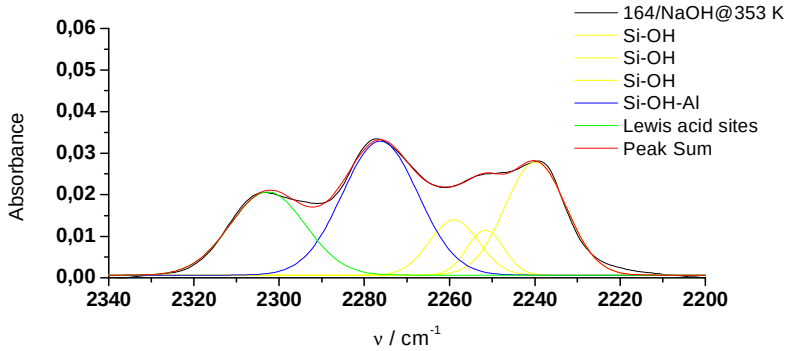

Fig.SI_08 Deconvolusion of the IR spectra of Pn adsorbed on 164/NaOH@353 K

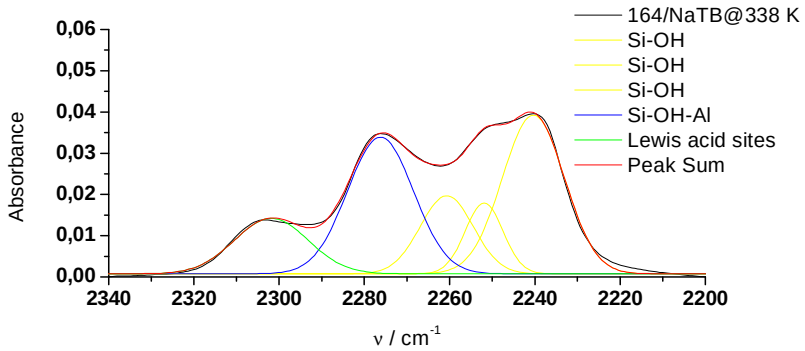

Fig.SI_09 Deconvolusion of the IR spectra of Pn adsorbed on 164/NaTB@338 K

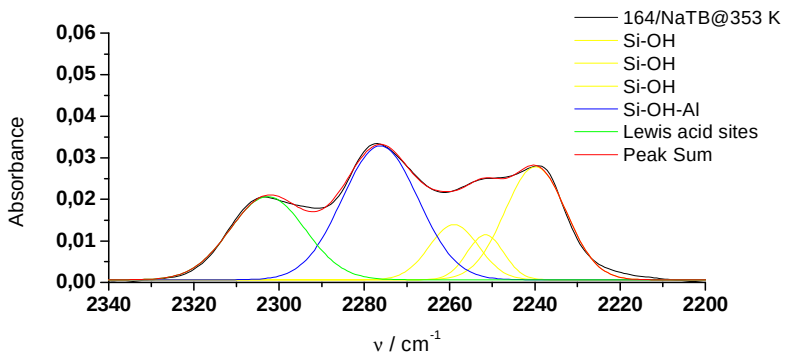

Fig.SI_10 Deconvolusion of the IR spectra of Pn adsorbed on 164/NaTB@353 K

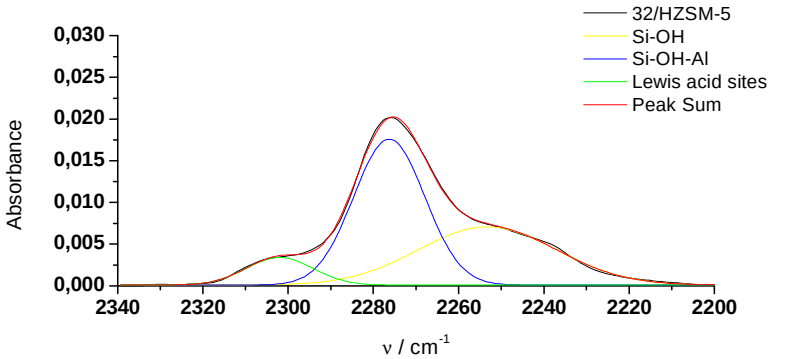

Fig.SI_11 Deconvolusion of the IR spectra of Pn adsorbed on 32/HZSM-5

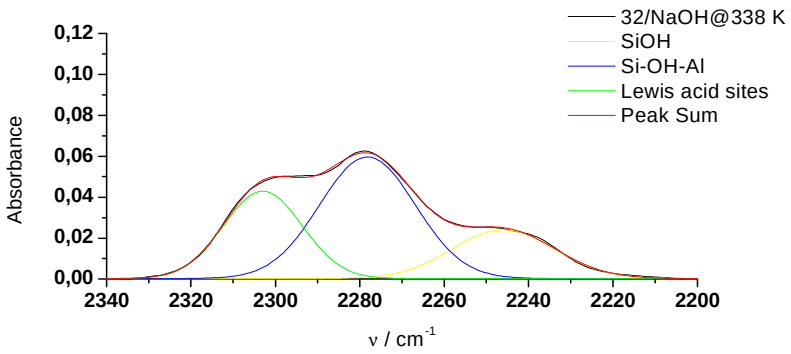

Fig.SI_12 Deconvolusion of the IR spectra of Pn adsorbed on 32/NaOH@338 K

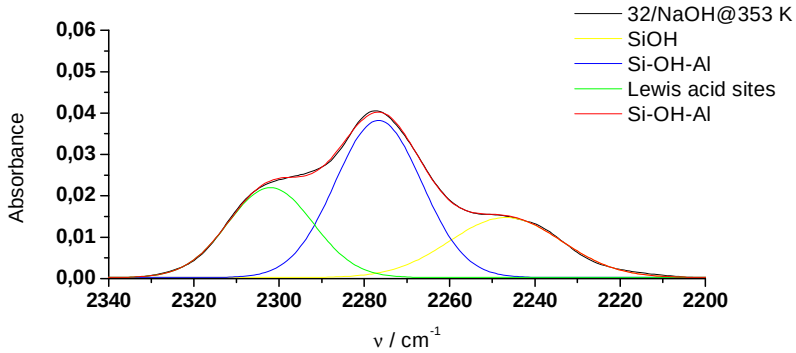

Fig.SI_13 Deconvolusion of the IR spectra of Pn adsorbed on 32/NaOH@353 K

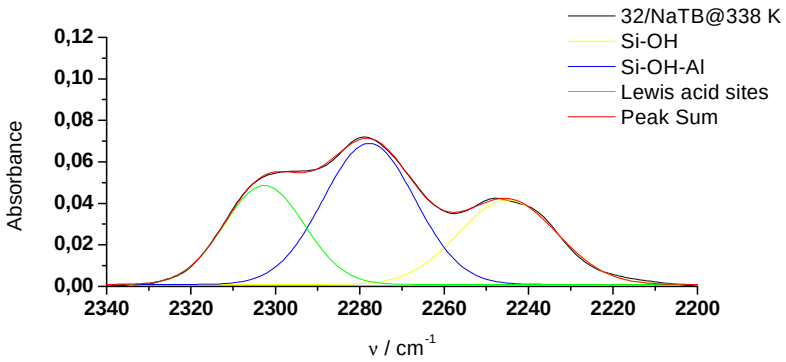

Fig.SI_14 Deconvolusion of the IR spectra of Pn adsorbed on 32/NaTB@338 K

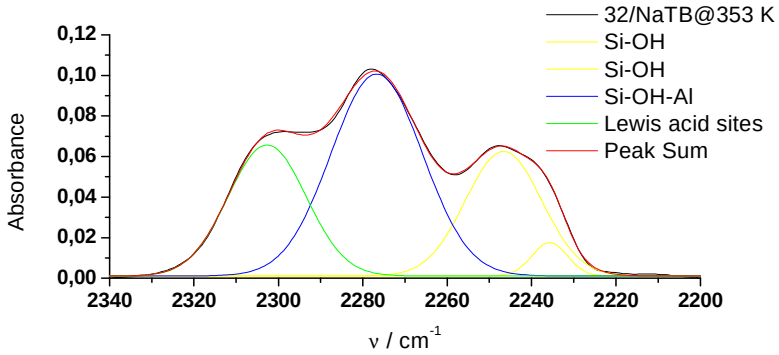

Fig.SI_15 Deconvolusion of the IR spectra of Pn adsorbed on 32/NaTB@353 K

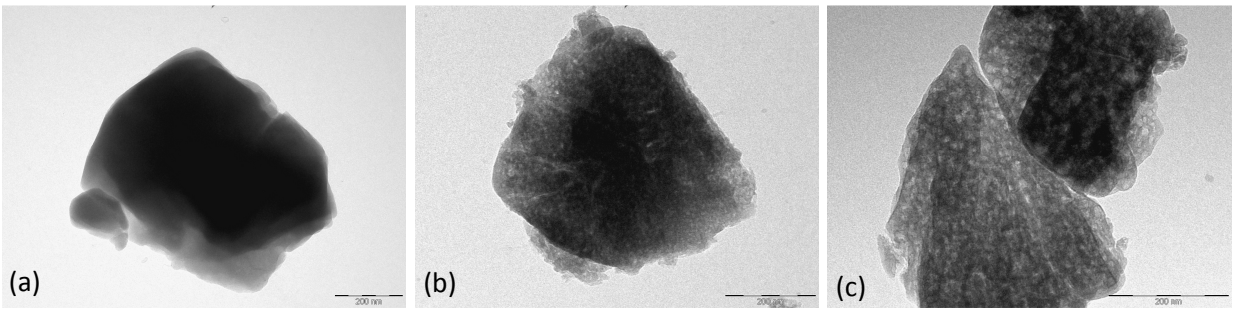

Fig.SI_16. TEM micrographs for parent 164/HZSM-5 (a) and the samples treated with NaOH (b) and NaOH&TBAOH (c) at 338 K

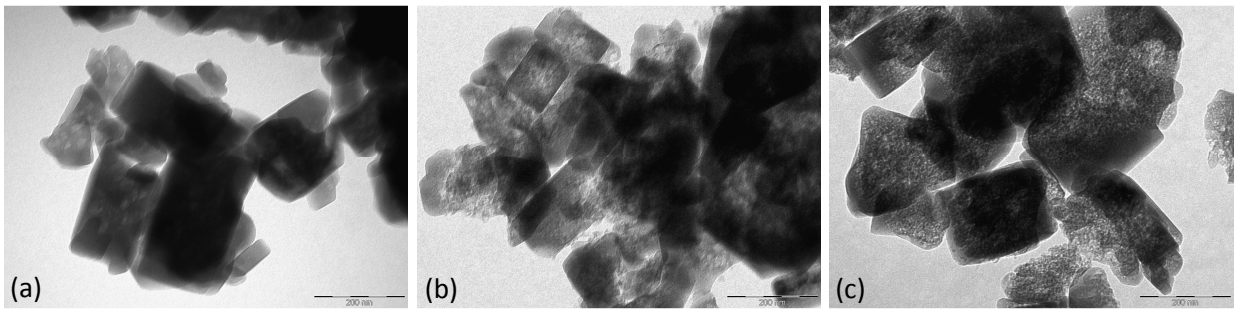

Fig.SI_17. TEM micrographs for parent 32/HZSM-5 (a) and the samples treated with NaOH (b) and NaOH&TBAOH (c) at 338 K