Supporting information for:

A new approach to internal Lewis pairs featuring a phosphenium acid and a pyridine base

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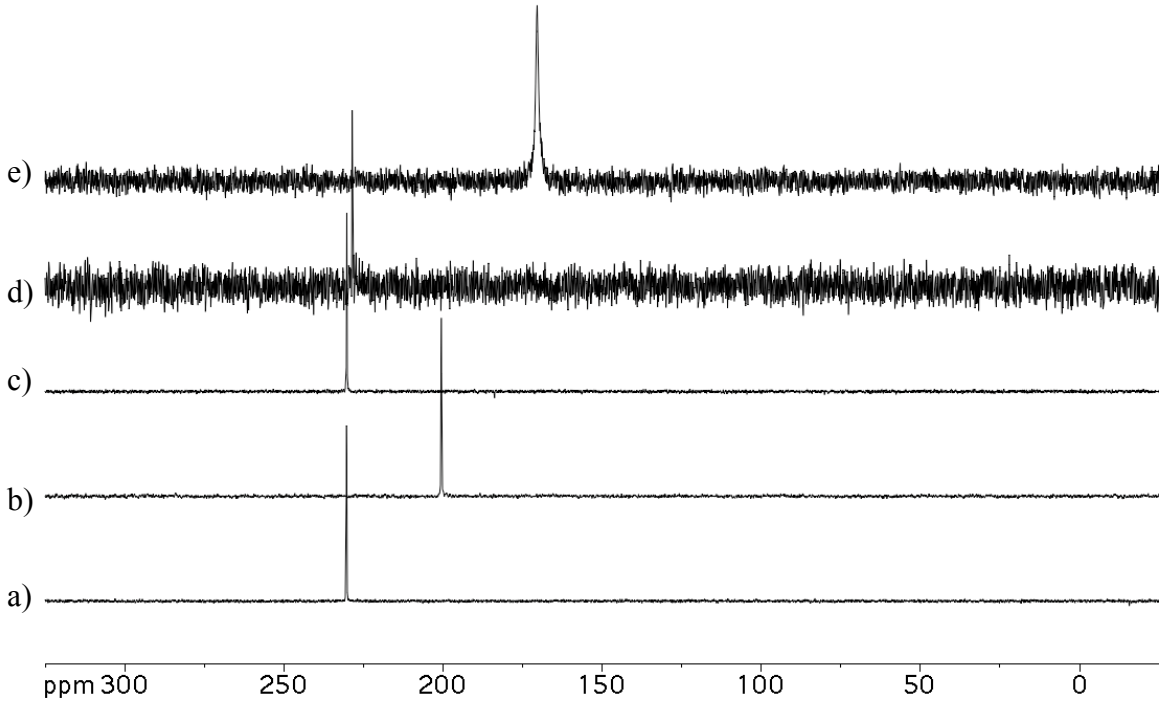

Figure S-1: Stacked plot of the 162 MHz $^{31}P\{^{1}H\}$ NMR spectra for a) **2**[I_3] δ_P = 230, b) **2**Br: δ_P = 200, c) **2**[OTf]: δ_P = 230, d) **2**•BH_3[OTf]: δ_P = 228 and e) **2**•DMAP[OTf]: δ_P = 170.

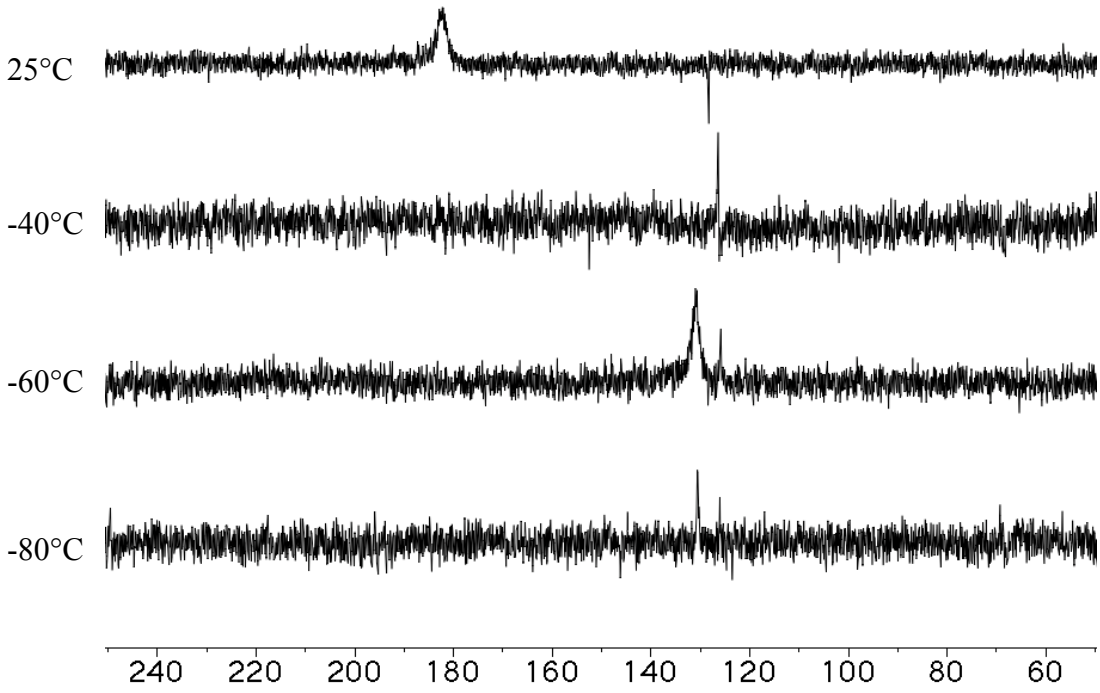

Figure S-2: Stacked plot of the variable temperature 162MHz $^{31}P\{^{1}H\}$ NMR spectra for **2**•DMAP[OTf] in CH_2Cl_2.

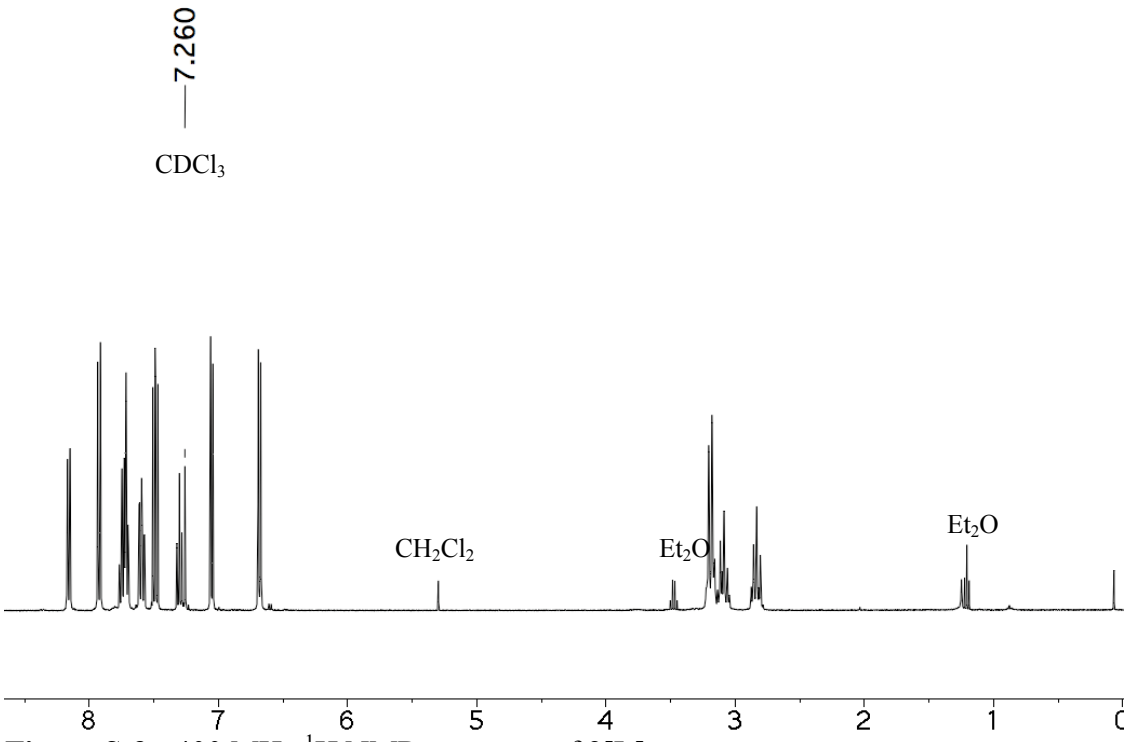

Figure S-3: 400 MHz ^{1}H NMR spectrum of **2**[I_3].

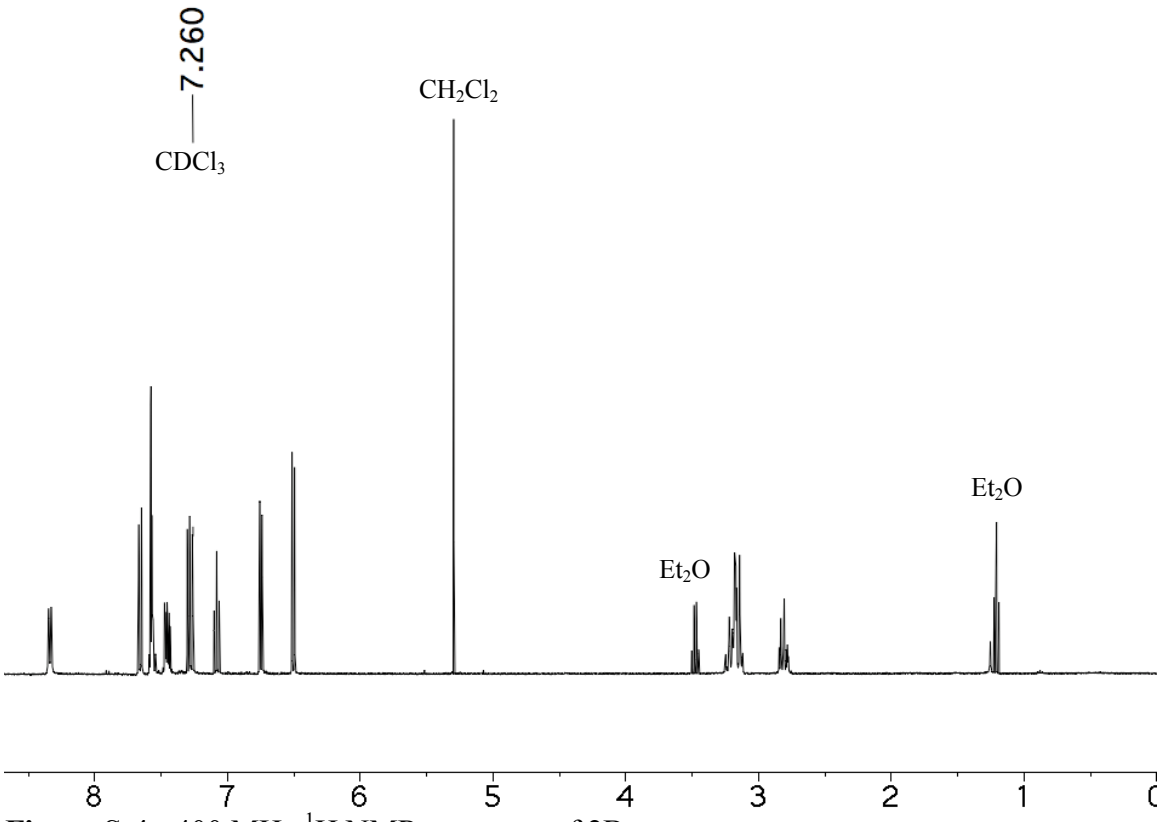

Figure S-4: 400 MHz ^{1}H NMR spectrum of **2**Br.

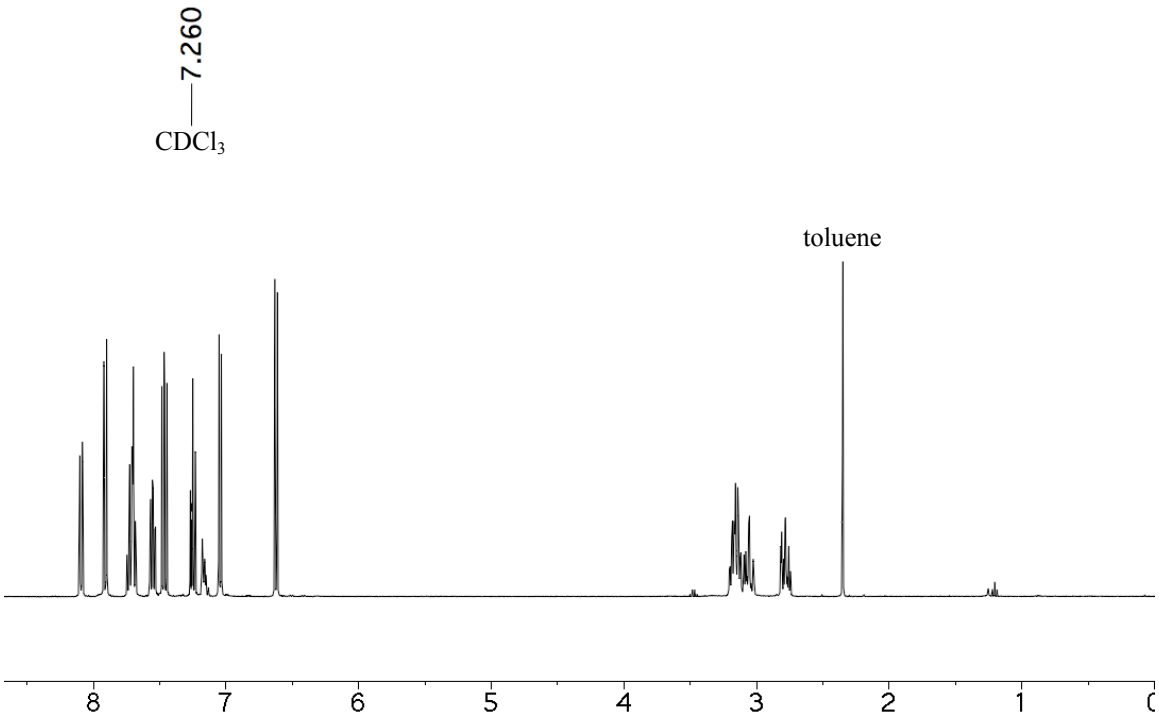

Figure S-5: 400 MHz ^{1}H NMR spectrum of **2**[OTf].

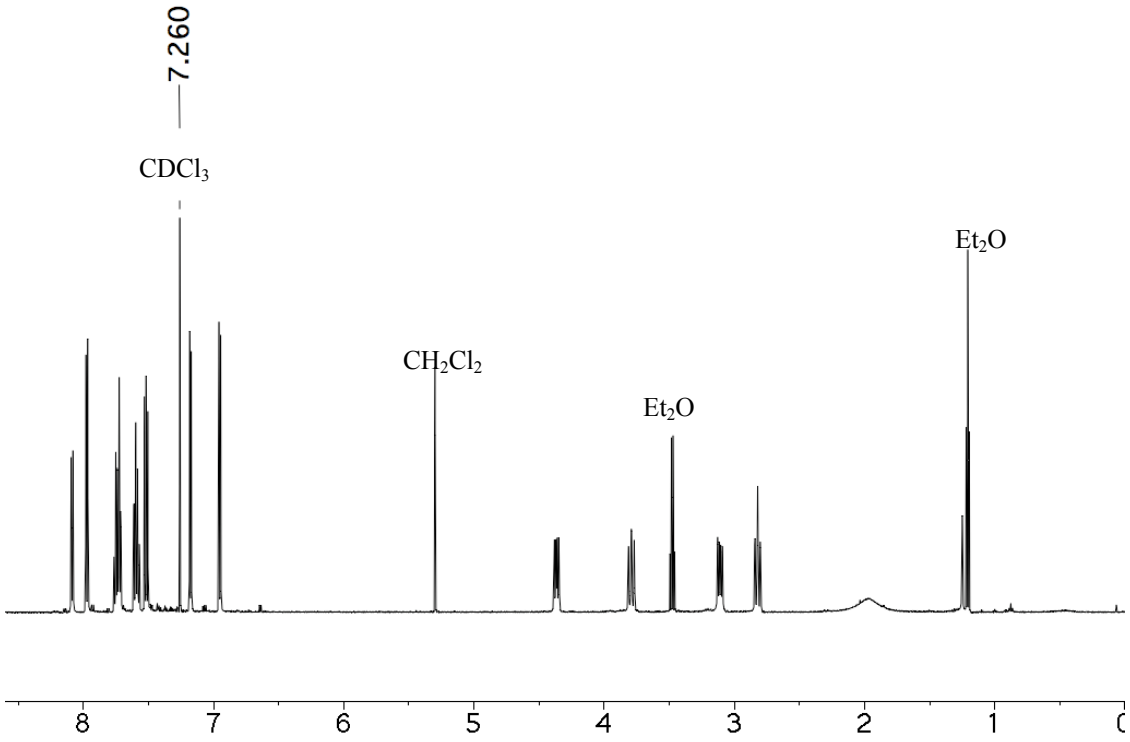

Figure S-6: 400 MHz ^{1}H NMR spectrum of **2**•BH_3[OTf].

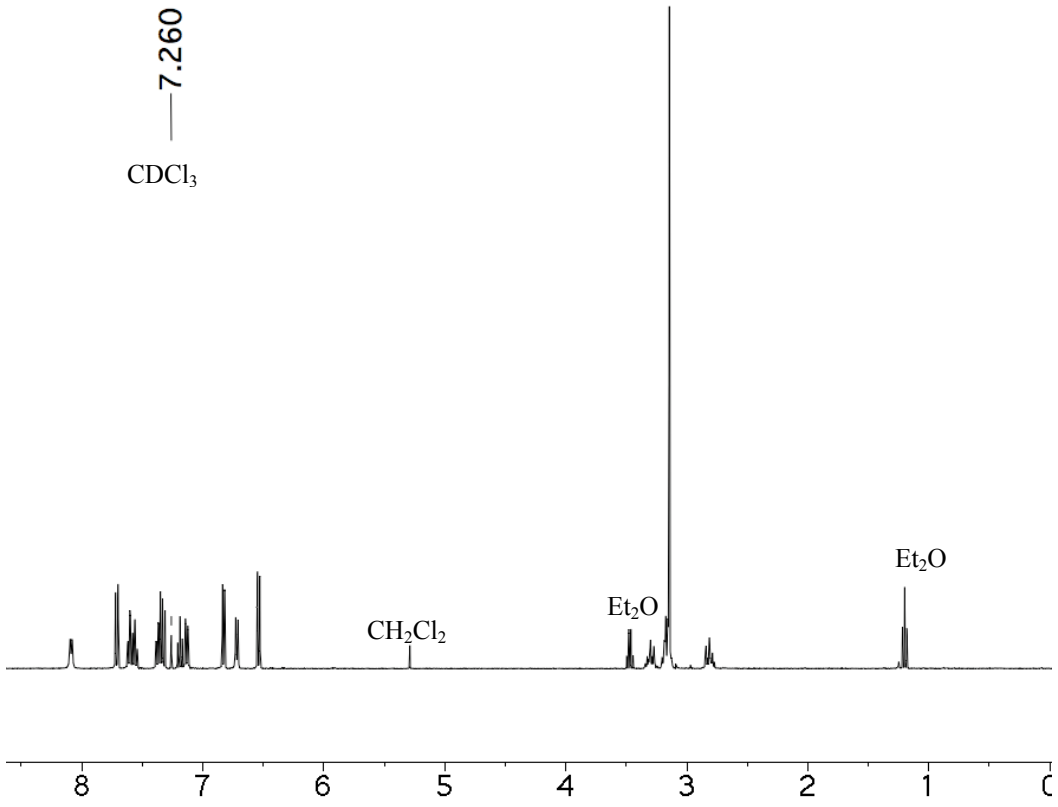

Figure S-7: 400 MHz ^{1}H NMR spectrum of **2**•DMAP[OTf].

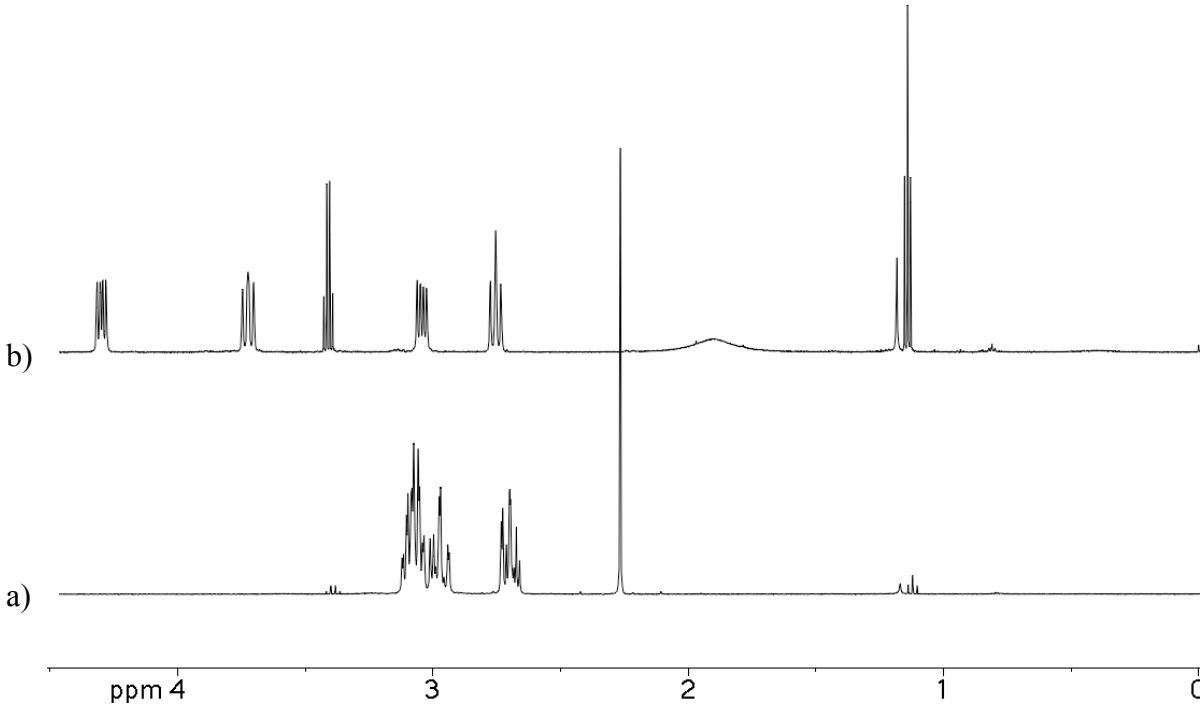

Figure S-8: Stacked plot of ^{1}H NMR spectra of the alkyl region for a) **2**[OTf] and b) **2**•BH_3[OTf].

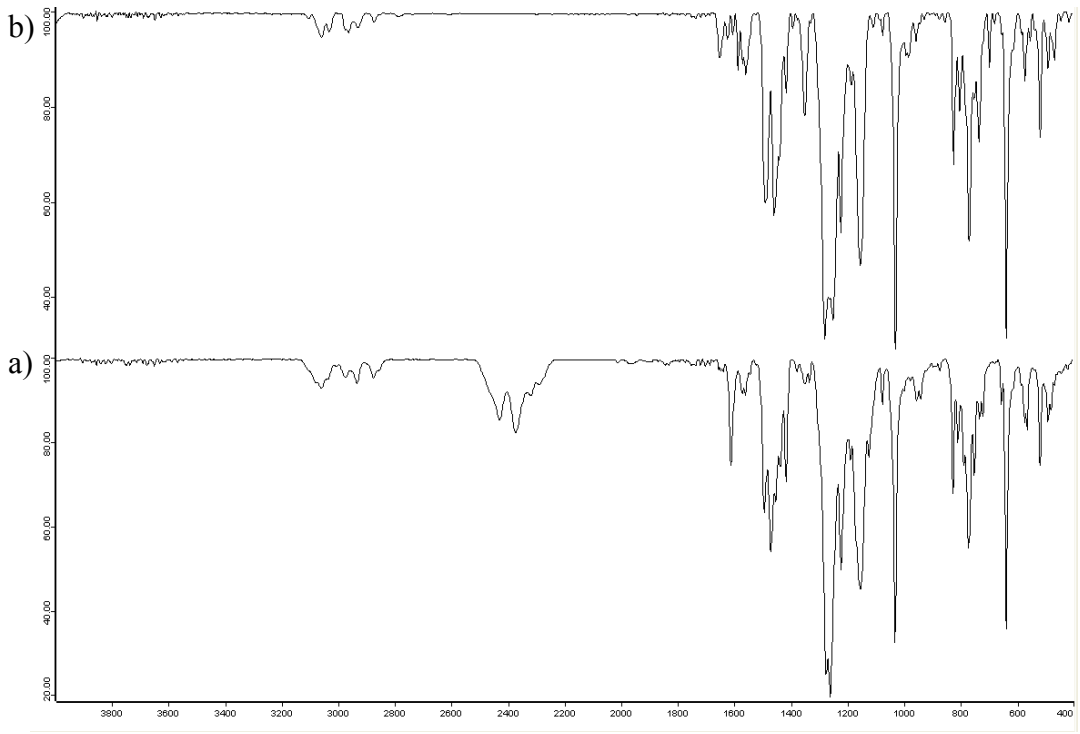

Figure S-9: Stacked plot of the FT-IR spectra of a) **2**•BH_3[OTf] and b) **2**[OTf].