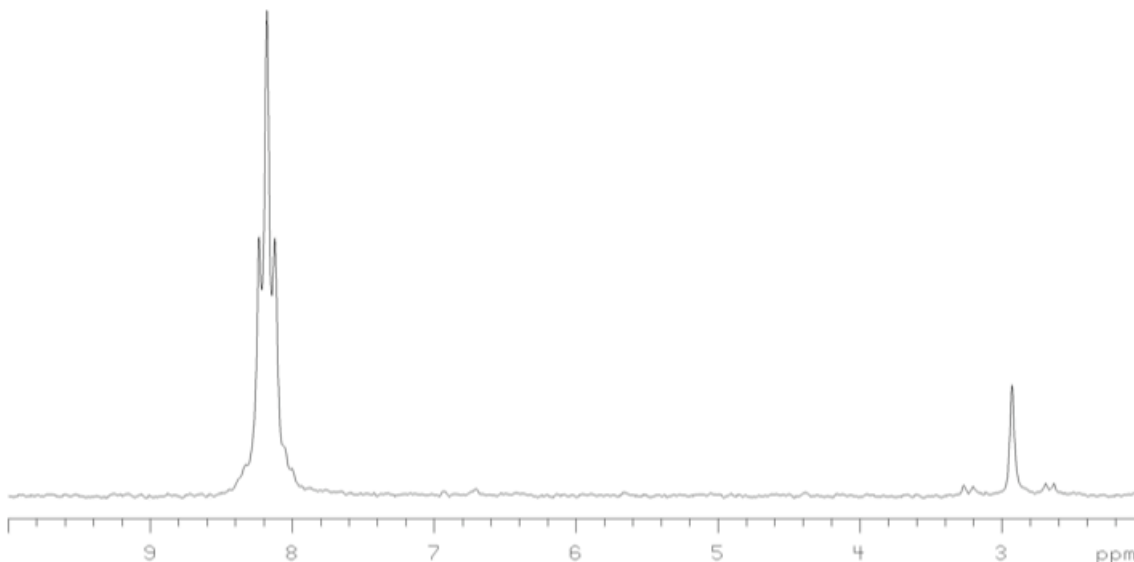
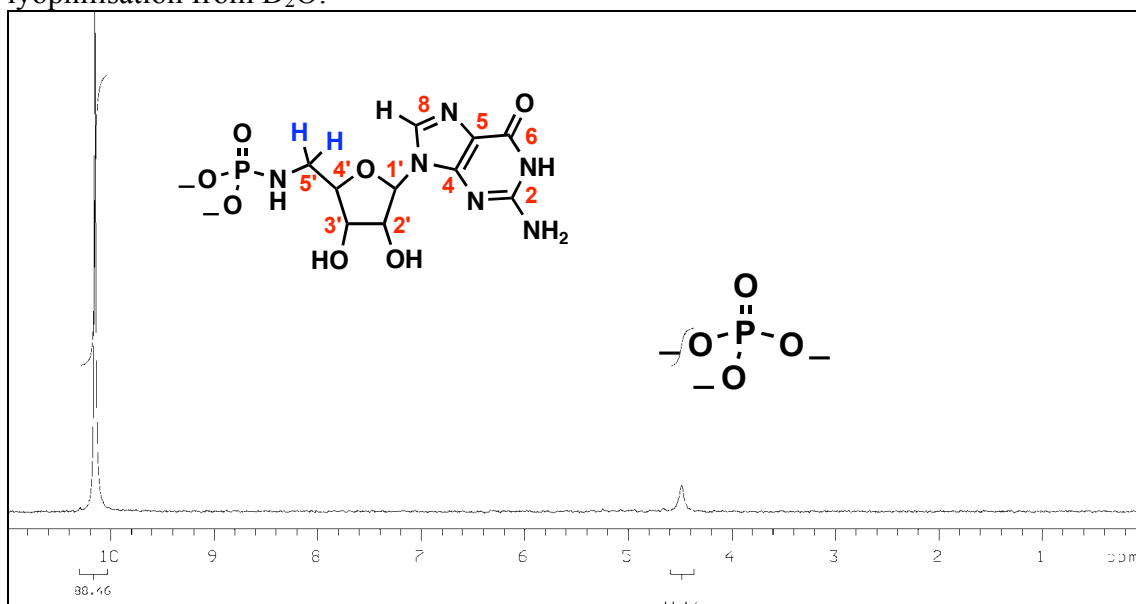


$^{31}\text{P}$  NMR ( $^1\text{H}$  coupled) spectrum of crude reaction product before ion exchange chromatography.



After lyophilisation the crude material retained a large amount of water and we were unable to obtain a reasonable  $^1\text{H}$  NMR spectrum of this material.

$^{31}\text{P}$  NMR spectrum ( $^1\text{H}$  coupled) of GNHP after chromatography and repeated lyophilisation from  $\text{D}_2\text{O}$ .



$^1\text{H}$  NMR spectrum of GNHP after chromatography and repeated lyophilisation from  $\text{D}_2\text{O}$ .

