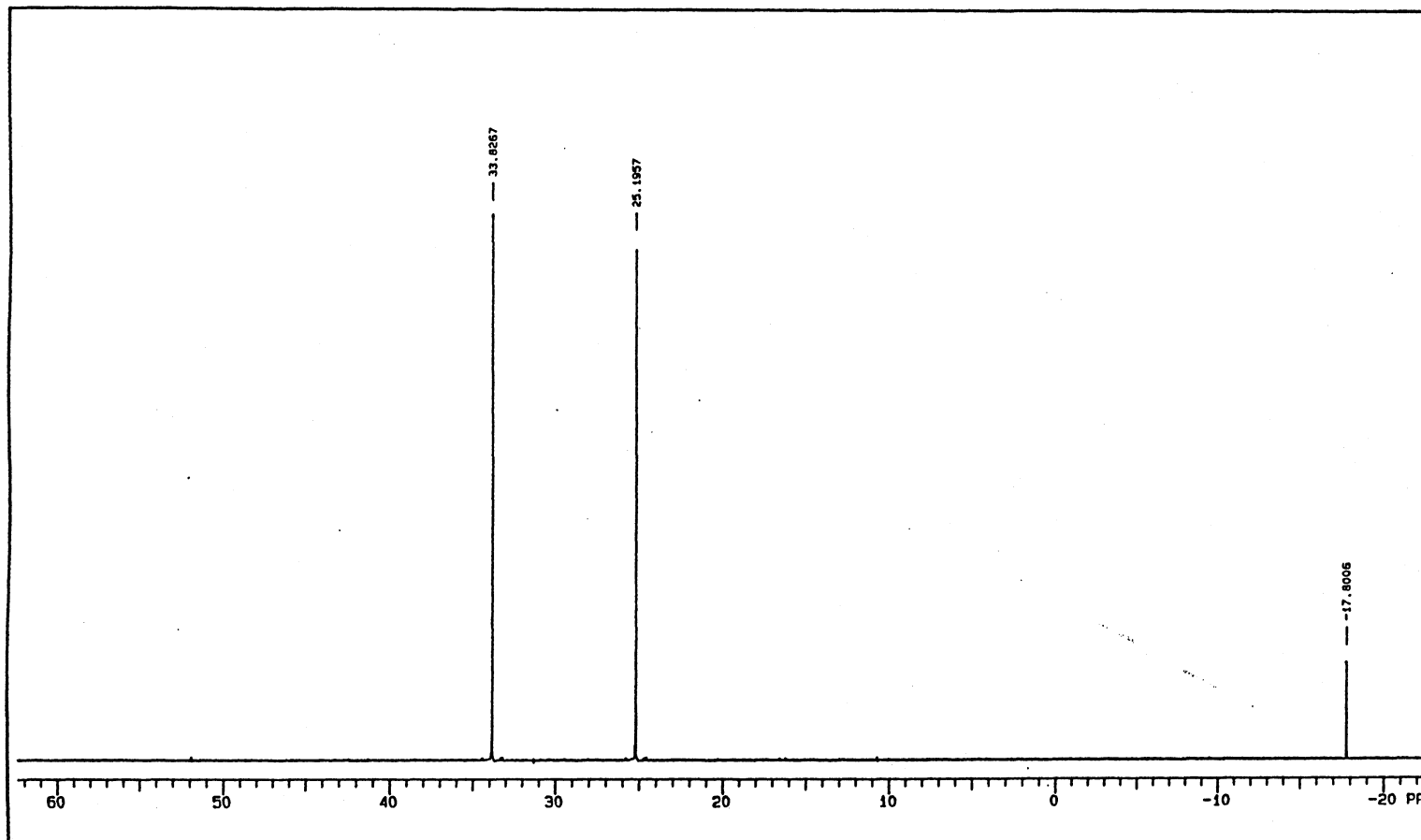
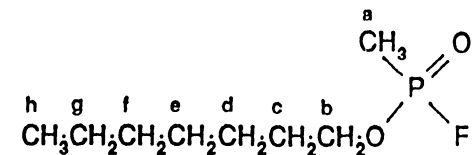


## Heptyl methylphosphonofluoridate

[ ]

 $^{31}\text{P}\{\text{H}\}$ -NMRnuc.  $\delta$  [ppm]

P 29.51

J(P,F) 1048.0 Hz

Res. freq. 121.421 MHz  
 Solvent:  $\text{CDCl}_3$   
 Temperature: 24°C  
 Concentration: approx. 20mg/ml  
 Reference: Triphenylphosphate (TPP)  
 (-17.8ppm, internal)

Spectral width: 10384 Hz  
 Data points (FID): 60032  
 Data points (spec.): 32K  
 Pulse width: 5.0  $\mu\text{s}$  (45°)  
 Number of scans: 256

Rep.time.: 2.89 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 1.02 Hz (TPP), 1.49 Hz (P)  
 Instrument: Varian VXR-300  
 Filename: