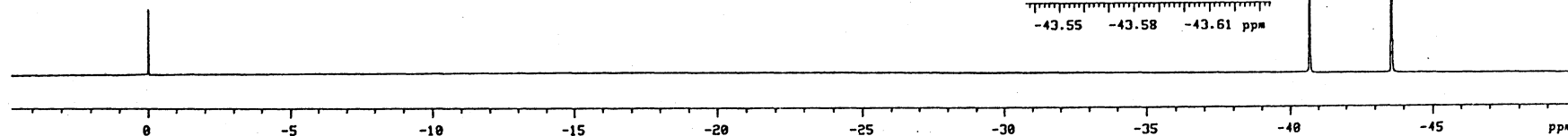
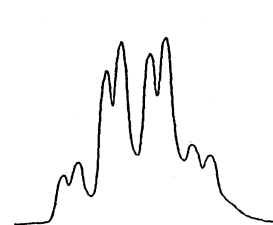
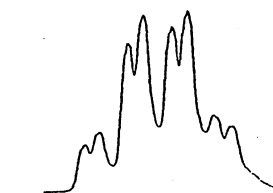
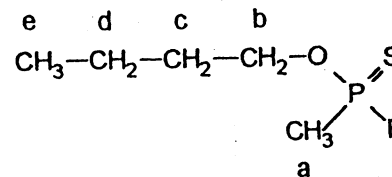


19F-NMR f1107a3 + sp CFC13
 ca 75mg n-butylethylthiophos-
 phonofluoridate in ca 0.7ml CDC13
 214195126.006 jrn.342;131/200
 OBSERVE F19
 FREQUENCY 376.326 MHz
 SPECTRAL WIDTH 20607.9 Hz
 ACQUISITION TIME 1.590 sec
 RELAXATION DELAY 7.400 sec
 PULSE WIDTH 22.7 usoc
 TEMPERATURE 30.0 deg. C.
 NO. REPETITIONS 64
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 262144
 TOTAL ACQUISITION TIME 9 minutes

SPECTRAL LINES for th=3.7			
rfl= 18825.8 rip= 0.0			
CFC13 internal			
nr	Hz	ppm	intensity
1	2.36	0.006	9.4
2	0.00	0.000	8.8
3	-15301.36	-40.660	13.4
4	-15302.93	-40.664	14.2
5	-15303.40	-40.665	14.3
6	-15307.49	-40.676	40.4
7	-15308.90	-40.680	41.7
8	-15309.53	-40.682	41.6
9	-15313.46	-40.692	42.9
10	-15314.88	-40.696	43.2
11	-15315.51	-40.697	43.0
12	-15319.44	-40.708	17.8
13	-15321.01	-40.712	17.0
14	-16389.53	-43.551	13.0
15	-16391.57	-43.557	14.0
16	-16395.50	-43.567	39.6
17	-16397.23	-43.572	41.4
18	-16397.55	-43.573	41.4
19	-16401.63	-43.584	42.2
20	-16403.21	-43.588	43.1
21	-16403.52	-43.589	43.0
22	-16407.45	-43.599	17.8
23	-16409.18	-43.604	17.1



n-Butyl methylthiophosphonofluoridate

CAS 4241-36-5

Nucleus :

¹⁹F

Frequency : 376.3 MHz

Concentration : ca. 75 mg/0.7 ml CDCl₃

Reference CFCl₃ internal. Resolution : 0.8 Hz (CFCl₃)

Instrument : Varian VXR 400S

Temperature : 30 °C

Spectral width : 20607.9 Hz

Data point (FID) : 64 K

Pulse angle : 22.7 μs (60°)

Number of pulses : 64

Repetition time : 9.0 s

Line broadening : 0.1 Hz

Data points (spec) : 256 K

F: -42.1 ppm J(PF) : 1088.2 Hz J(aF) : 6.0 Hz