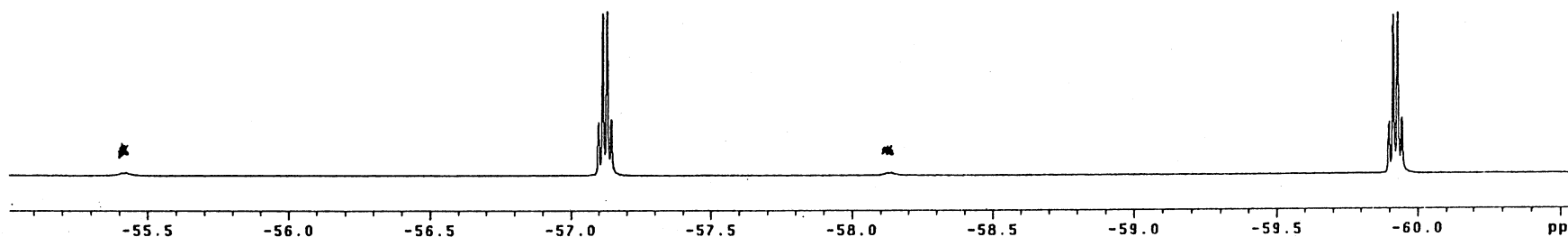
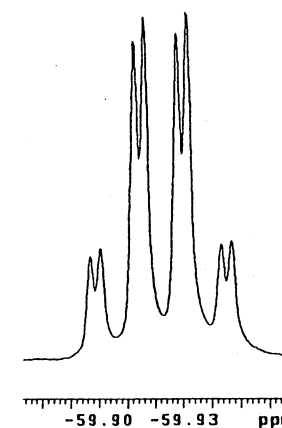
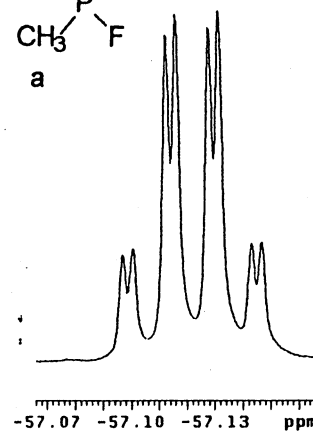
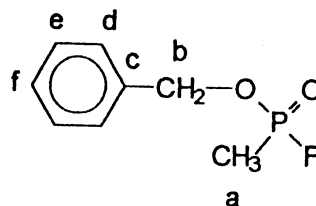


19F-NMR f1116a2
 benzylsar in ca 0.7ml CDCl3
 214195126.006 jrn.342;140/200
 Solvent: CDCl3
 Temp. 30.0 C / 303.1 K
 User: pal
 File: f1116a2
 VXR-400S "pmlvvr"
 PULSE SEQUENCE
 Relax. delay 3.000 sec
 Pulse 60.0 degrees
 Acq. time 7.817 sec
 Width 2096.0 Hz
 32 repetitions
 OBSERVE F19, 376.3340635 MHz
 DATA PROCESSING
 FT size 65536
 Total time 5 minutes

SPECTRAL LINES for th=5.8
 rfl= 1306.1 rfp=-21491.9
 CFC13=0.00ppm (f1116a3)

nr	Hz	ppm	intensity
1	-21486.13	-57.097	7.1
2	-21487.53	-57.100	7.6
3	-21491.95	-57.112	21.7
4	-21493.36	-57.116	23.0
5	-21497.77	-57.127	22.2
6	-21499.18	-57.131	23.2
7	-21503.59	-57.143	7.9
8	-21504.93	-57.147	8.0
9	-22539.85	-59.897	6.9
10	-22541.19	-59.900	7.5
11	-22545.67	-59.912	21.2
12	-22547.01	-59.916	22.7
13	-22551.49	-59.928	21.7
14	-22552.84	-59.931	23.0
15	-22557.31	-59.943	7.8
16	-22558.66	-59.947	8.0



Benzyl methylphosphonofluoridate (benzyl sarin)
 CAS 14618-07-6
 Nucleus : ¹⁹F
 Frequency : 376.3 MHz
 Concentration : ca. 85 mg/0.7 ml CDCl₃
 Reference CFC1₃ internal. Resolution :2.5 Hz (-57.1ppm)
 Instrument : Varian VXR 400S

Temperature : 30 °C
 Spectral width : 2096.0 Hz
 Data point (FID) : 32 K
 Pulse angle : 22.7 μs (60°)
 Number of pulses : 32
 Repetition time : 10.8 s
 Line broadening : not used
 Data points (spec) : 64 K

F: -58.5 ppm J(PF) :1053.7 Hz J(aF): 5.8 Hz
 J(b'F): 1.4 Hz