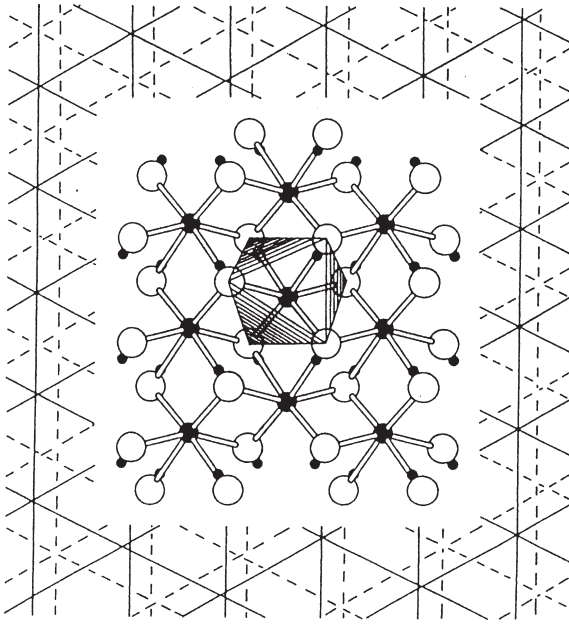
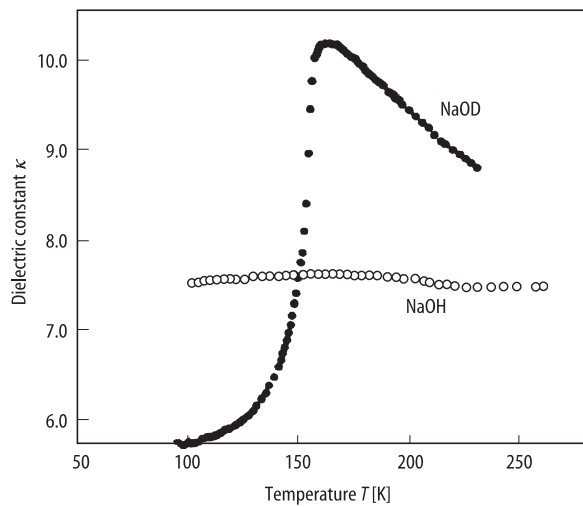


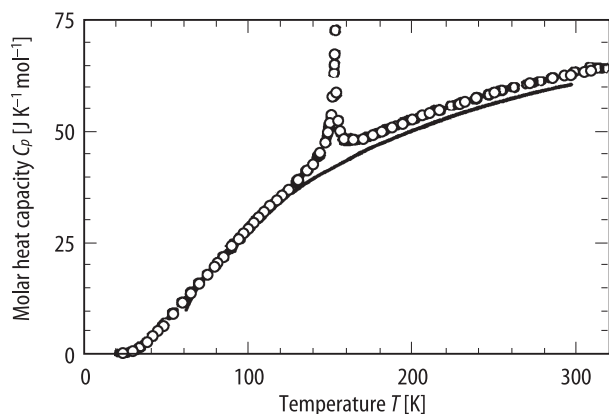
**Fig. M20-i-001.** NaOD, NaOH. Orientation of OH(OD)-groups in views onto (above) and along (below) the chains of OH groups [93Bec]. (a) phase IV NaOD (P2<sub>1</sub>/n). (b) phase III NaOD,  $\alpha$ -NaOH (Cmcm). (c) phase II NaOD,  $\beta$ -NaOH (P2<sub>1</sub>/m).



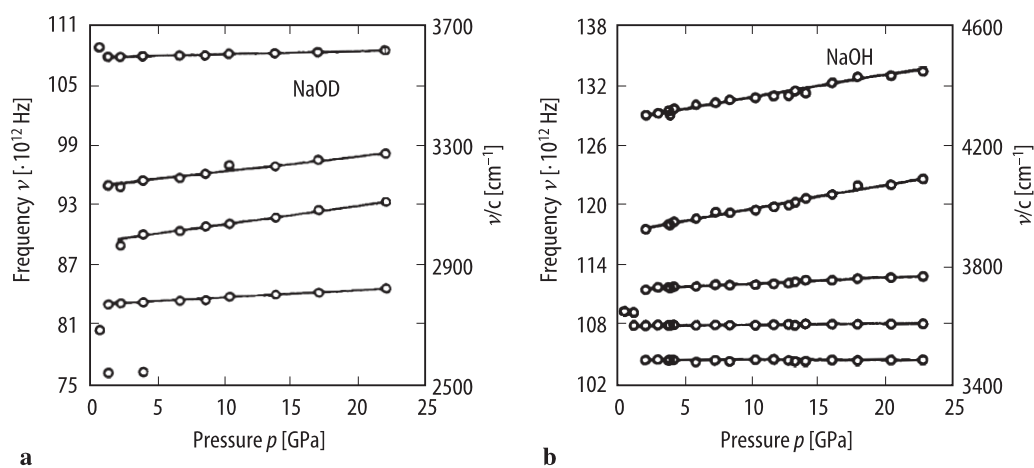
**Fig. M20-i-002.** NaOH. Crystal structure of phase V at RT [93Bec]. Full circle: Na atom. Open circle: O atom. Small full circle: probable H positions.



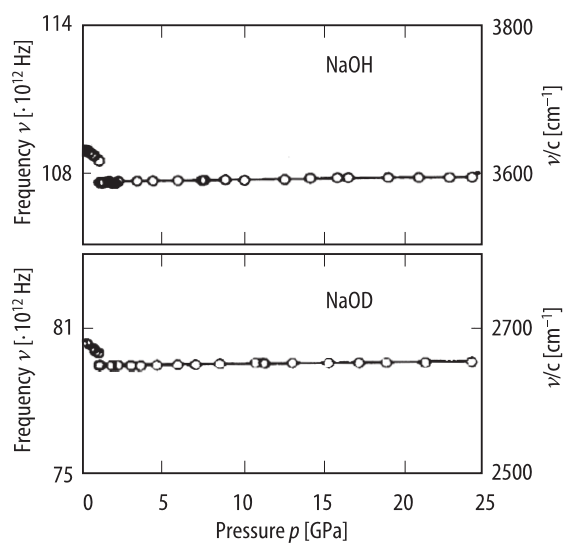
**Fig. M20-i-003.** NaOD, NaOH (polycrystal).  $\kappa$  vs.  $T$  [86Bas].



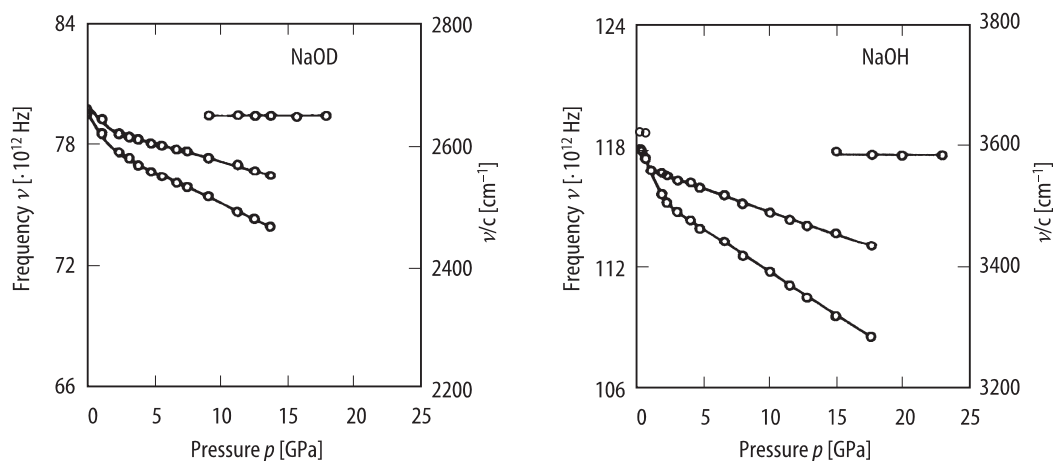
**Fig. M20-i-004.** NaOD, NaOH.  $C_p$  vs.  $T$  [86Whi].  $C_p$ : molar heat capacity at constant pressure. Open circle: NaOD. Full line: NaOH from [51Kel].



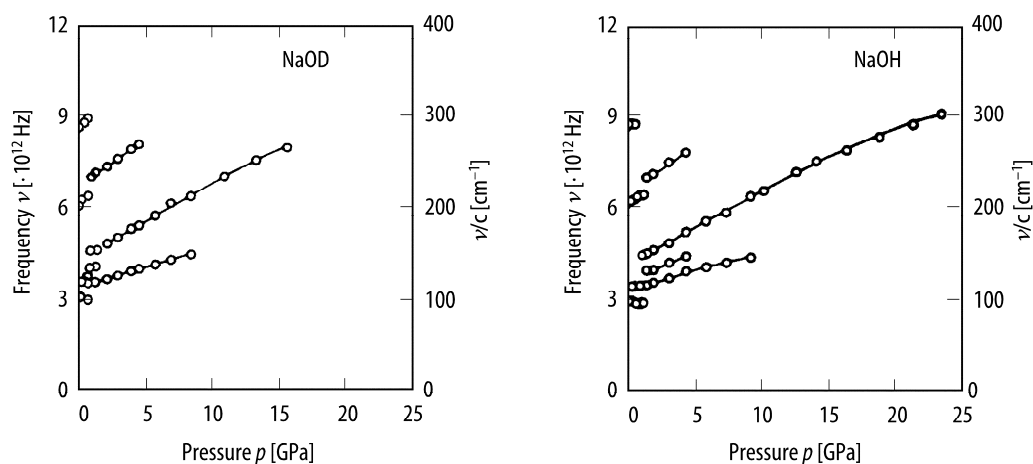
**Fig. M20-i-005.** NaOD, NaOH.  $\nu$  vs.  $p$  [92Kro].  $\nu$ : frequency of IR-active stretch and combination mode.  $T = \text{RT}$ .



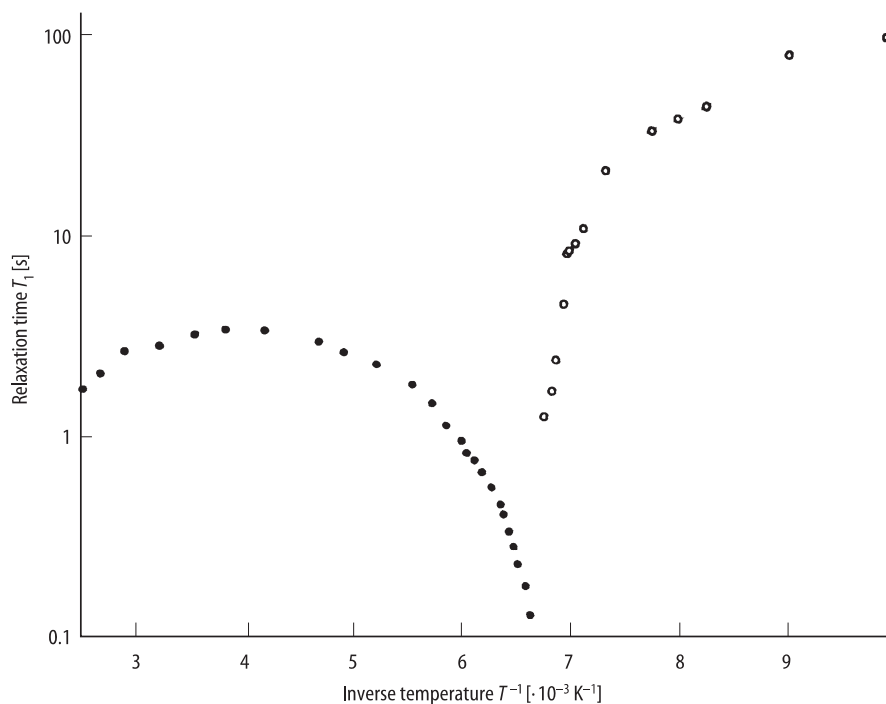
**Fig. M20-i-006.** NaOD, NaOH.  $\nu$  vs.  $p$  at RT [92Kro].  $\nu$ : frequency of Raman-active stretch mode.



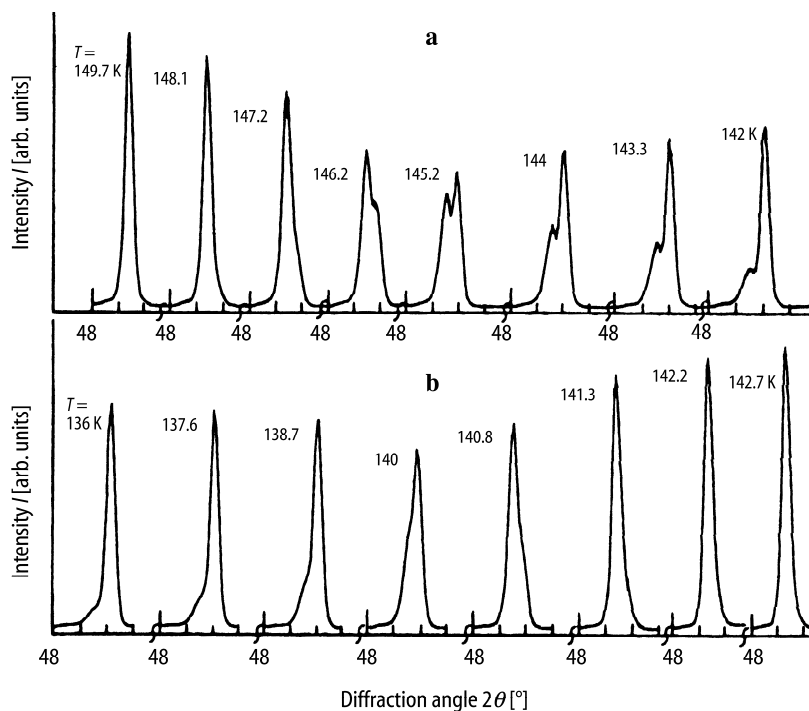
**Fig. M20-i-007.** NaOD, NaOH.  $\nu$  vs.  $p$  at 110 K [92Kro].  $\nu$ : frequency of Raman-active stretch mode.



**Fig. M20-i-008.** NaOD, NaOH.  $\nu$  vs.  $p$  at RT [92Kro].  $\nu$ : frequency of low-lying Raman-active mode.



**Fig. M20-i-009.** NaOD.  $T_1$  vs.  $T^{-1}$  [86Els].  $T_1$ : spin-lattice relaxation time for  $^{23}\text{Na}$ .



**Fig. M20-i-010.** NaOD. Line profiles of (0 0 6) neutron diffraction during temperature change [86Bas]. (a) Cooling run. (b) Heating run. Numerals beside peaks are the temperatures [K] of the specimen.