No.	Sample No.	Mineral	$^{40}Ar_{rad}$, nl/g	%K	$^{40}Ar_{air}$	Age(Ma)
1	D-2	amphibole	2.76	0.29	16.1	237.1±9.8
2	D-3	K-feldspar	74.39	6.33	2.1	284.7±4.9
3	D-4	K-feldspar	54.58	4.35	13.1	302.6±9.1
4	D-5	K-feldspar	73.15	6.43	1.1	276.0±6.5
5	D-6	K-feldspar	85.23	6.99	0.8	294.4±8.9

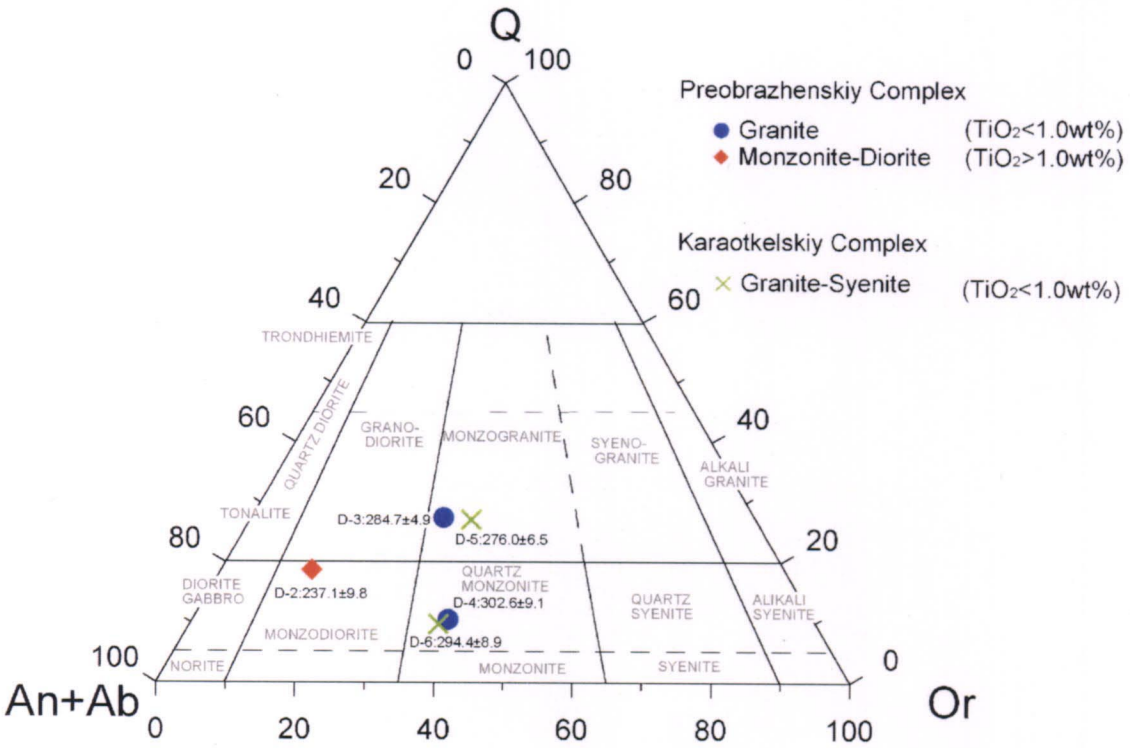


Fig.II-2-16 The Results of K-Ar Dating

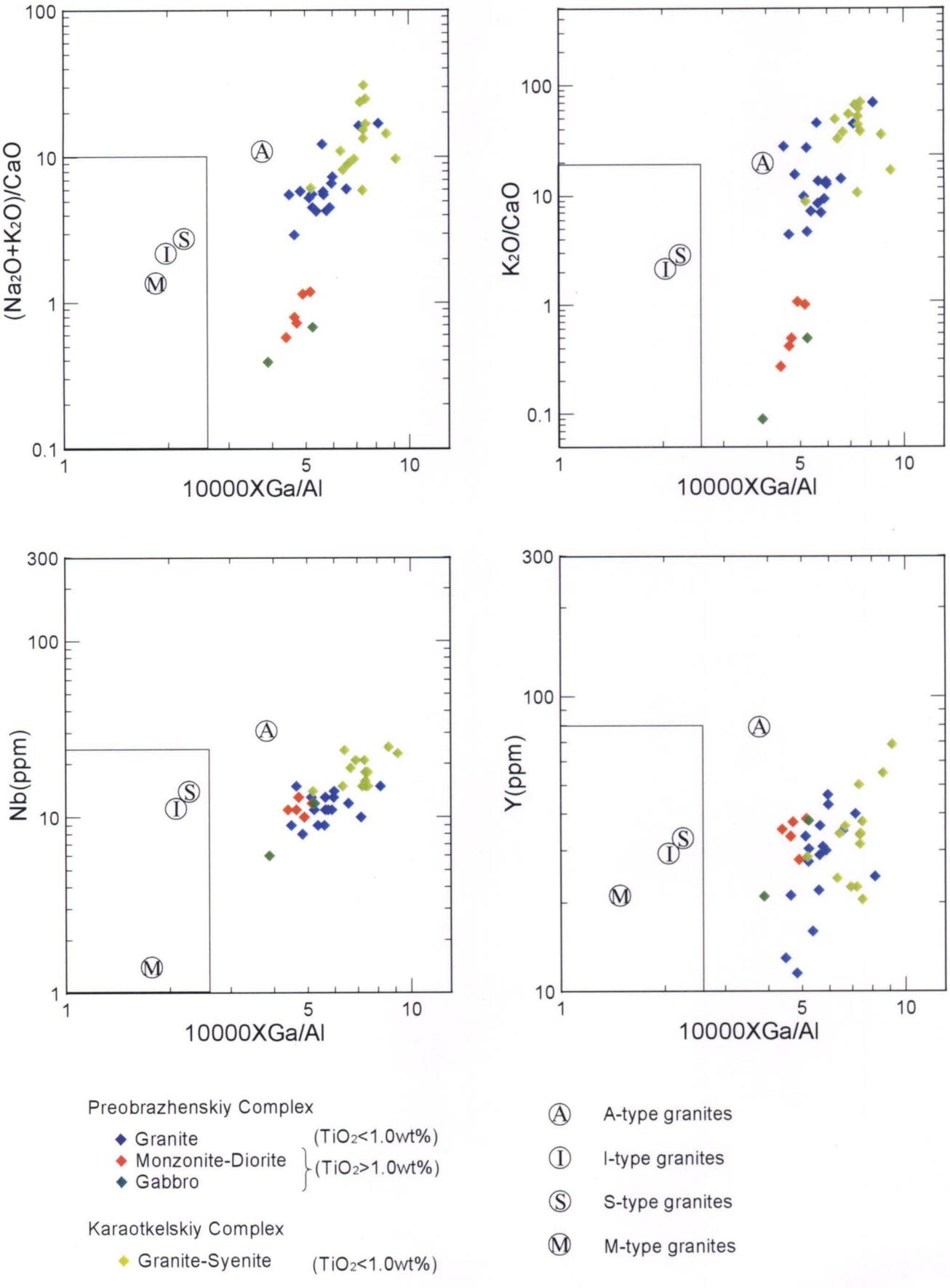
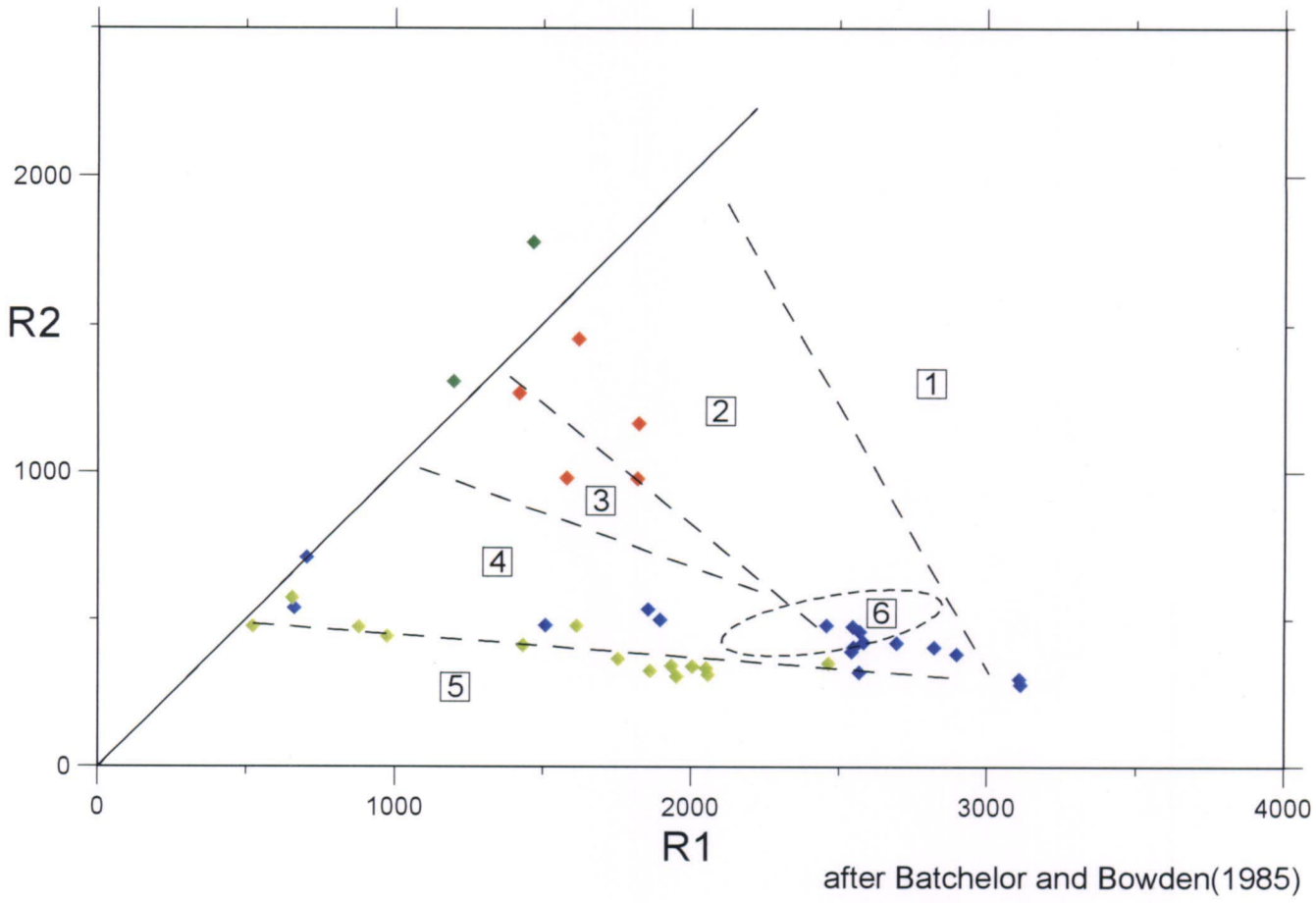


Fig.II-2-17 A-type granite discrimination diagram



LEGEND

1 Mantle fractionates
2 Pre-plate collision
3 Post collision
4 Late-orogenic
5 Anorogenic
6 Syn-collision

Preobrazhenskiy Complex
- Granite (TiO_2<1.0wt%)
- Monzonite-Diorite, Gabbro (TiO_2>1.0wt%)

Karaotkelskiy Complex
- Granite-Syenite (TiO_2<1.0wt%)

R1 = 4Si-11(Na+K)-2(Fe+Ti)

R2 = 6Ca+2Mg+Al

Fig.II-2-18 R1-R2 diagram

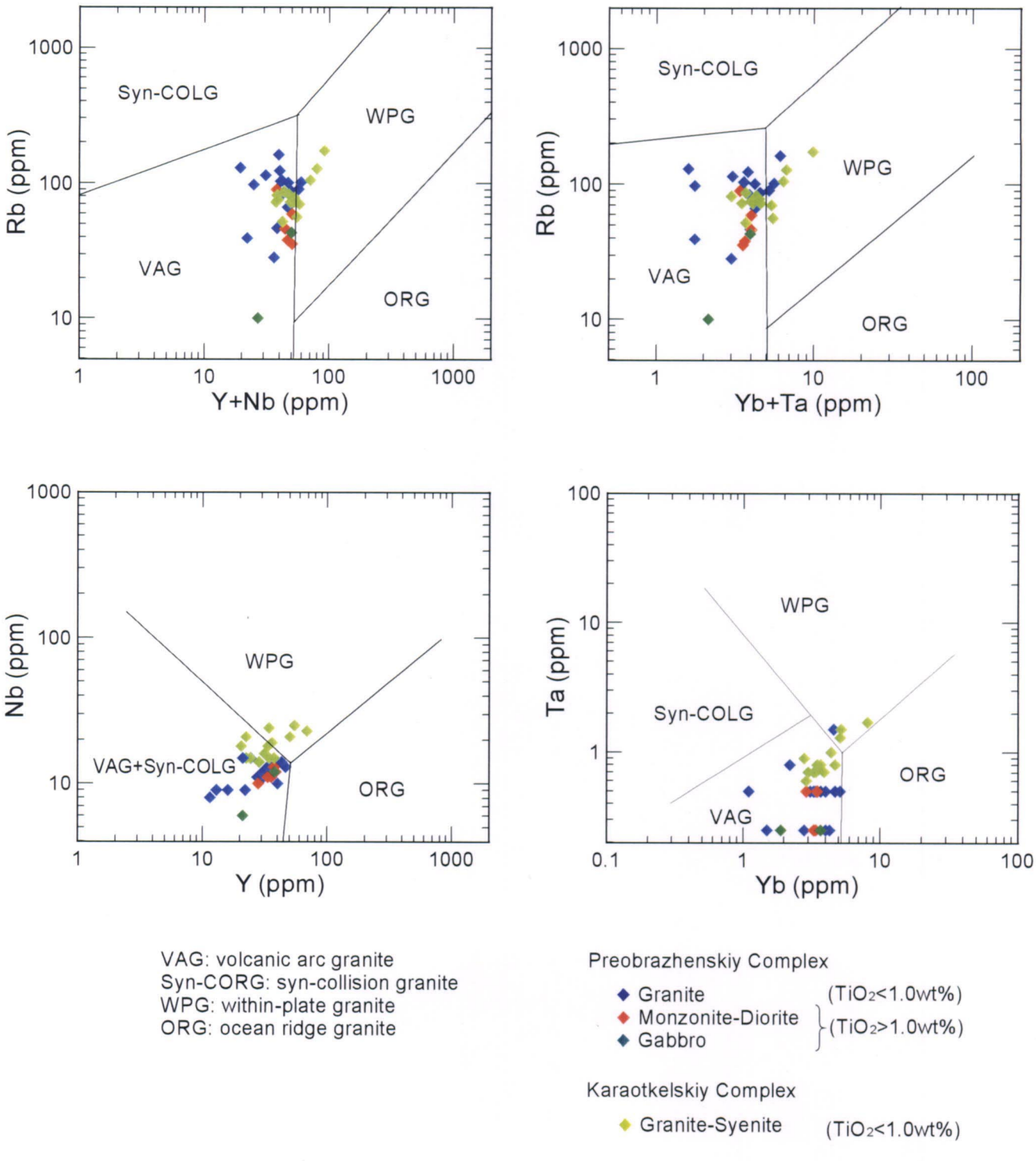


Fig.II-2-19 Trace element discrimination diagram (after Pearce, 1984)