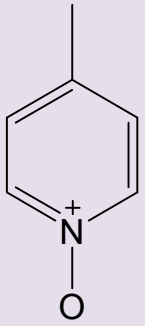
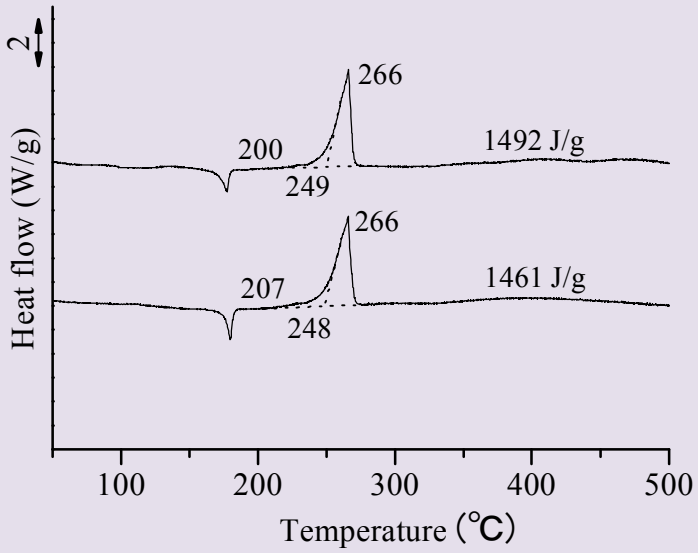
4-Picoline-N-oxide	C_6H_7NO　4PNO
	DSC divice : DSC8270B Rigaku Corp. dT/dt: 2 , 5, 10, 20 K/min Atmosphere: Air Vesel : pressure vessel (SUS) Rigaku Corp. Sample : Wako (> 98.0%)

Wako：和光純薬工業株式会社

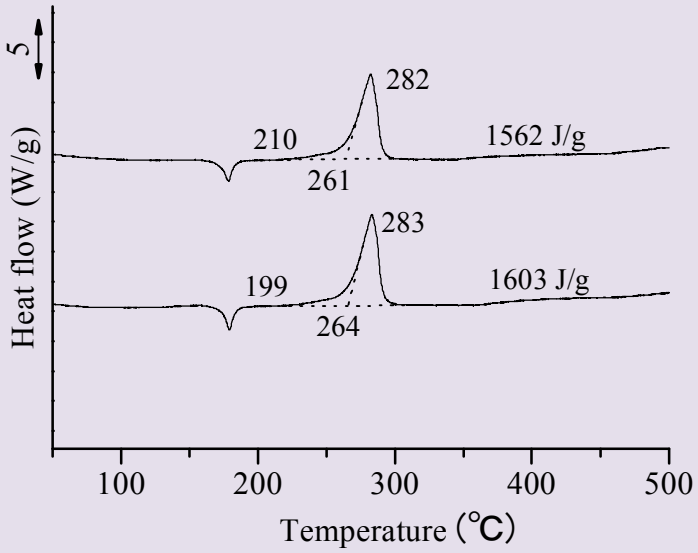
a) 2 K/min



＜Average＞

T_a :	204	℃
T_o :	249	℃
T_{top} :	266	℃
Q_{DSC} :	1479	J/g

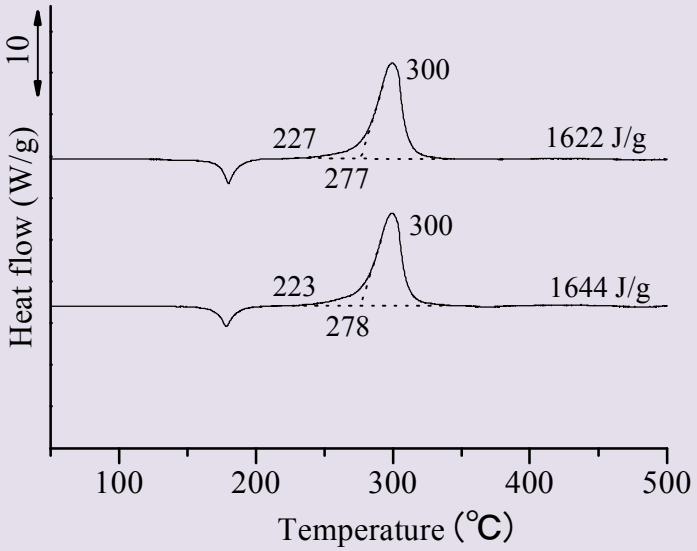
b) 5 K/min



＜Average＞

T_a :	205	℃
T_o :	263	℃
T_{top} :	283	℃
Q_{DSC} :	1583	J/g

c) 10 K/min



＜Average＞

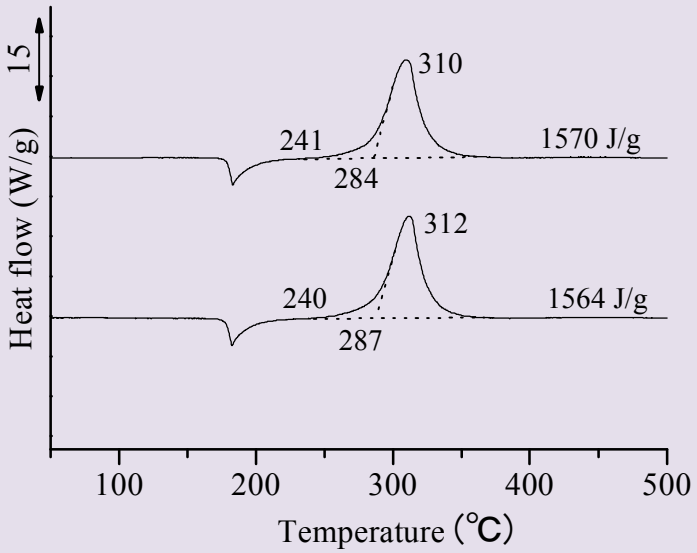
T_a : 225 ℃

T_o : 278 ℃

T_{top} : 300 ℃

Q_{DSC} : 1633 J/g

d) 20 K/min



＜Average＞

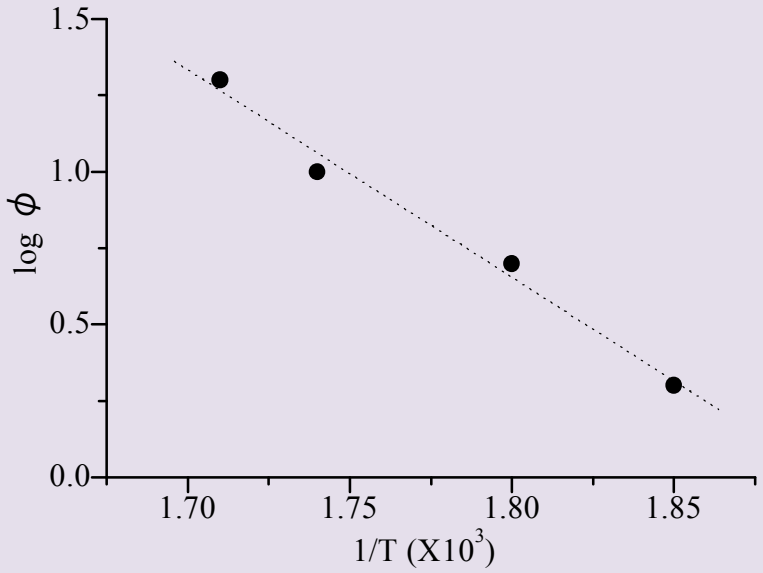
T_a : 241 ℃

T_o : 286 ℃

T_{top} : 311 ℃

Q_{DSC} : 1567 J/g

ASTM PLOT



ΔE : 127 kJ/mol

A : 2.79×10^{22}

r : -0.9934

Heat rate φ (K/min)	T_{peak} (℃)	Tm (K)	$1/Tm \cdot 10^3$	log φ
2	266	539	1.85	0.301
	266	539	1.85	0.301
5	282	555	1.80	0.699
	283	556	1.80	0.699
10	300	573	1.74	1.00
	300	573	1.74	1.00
20	310	583	1.71	1.30
	312	585	1.71	1.30