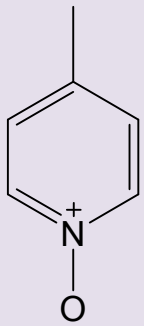
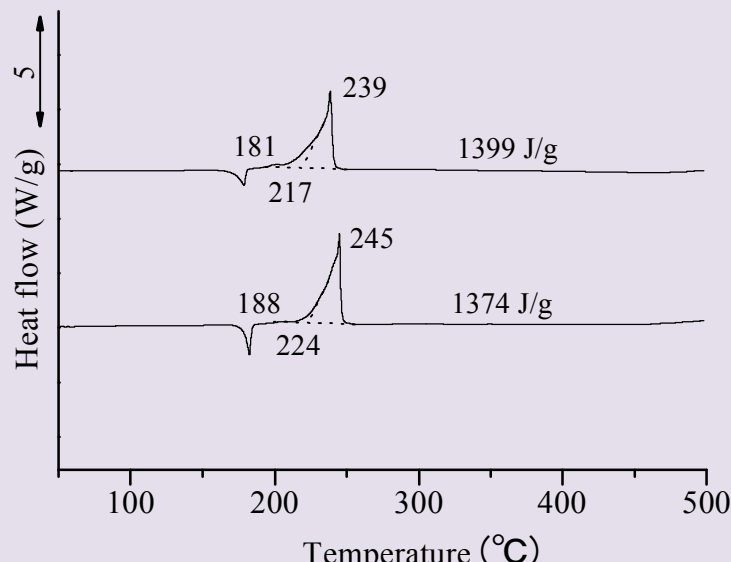
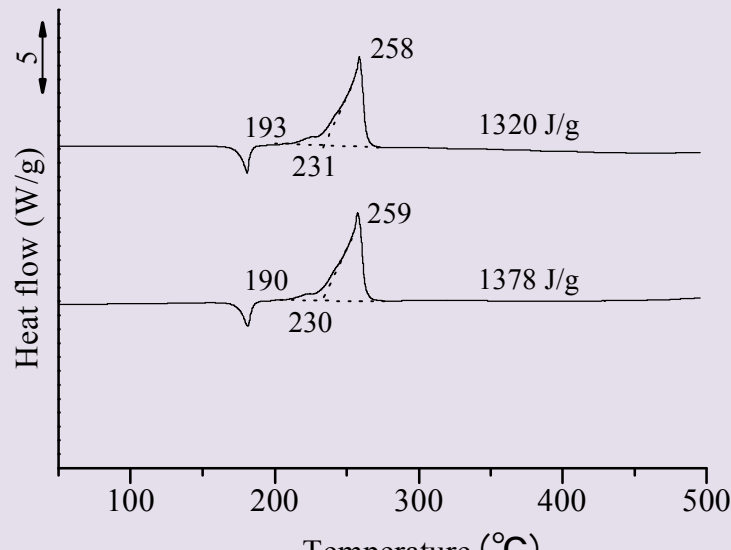
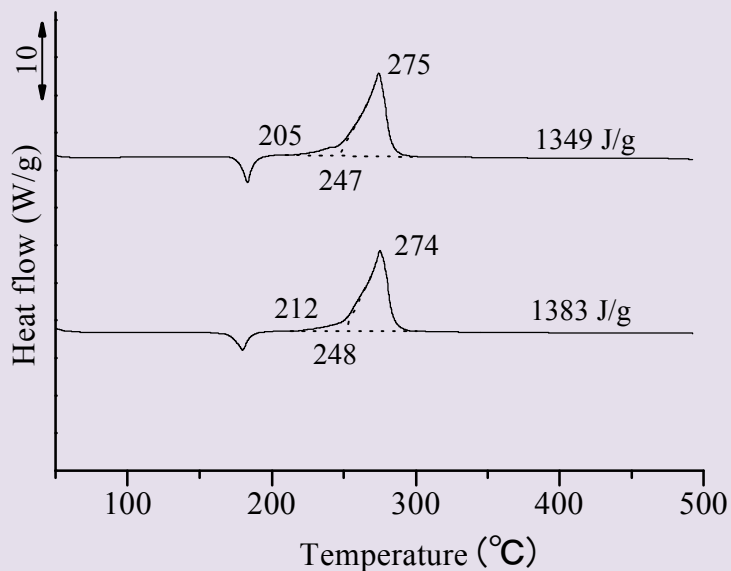


<p>4-Picoline-N-oxide</p>	<p>C₆H₇NO 4PNO</p>
	<p>DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: Wako (> 98.0%)</p>
<p>a) 2 K/min Wako: 和光純薬工業株式会社</p>	
	<p><Average> T_a: 185 °C T_o: 221 °C T_{top}: 242 °C Q_{DSC}: 1387 J/g</p>
<p>b) 5 K/min</p>	
	<p><Average> T_a: 192 °C T_o: 231 °C T_{top}: 259 °C Q_{DSC}: 1349 J/g</p>

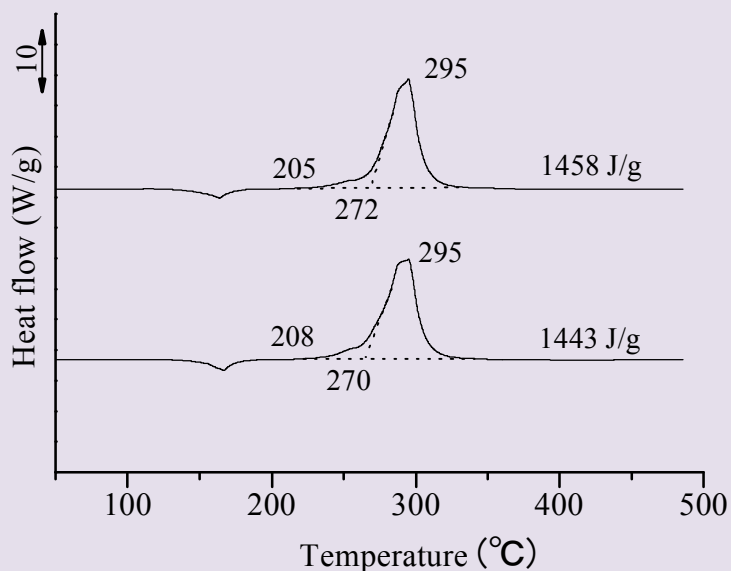
c) 10 K/min



< Average >

T_a : 209 °C
 T_o : 248 °C
 T_{top} : 275 °C
 Q_{DSC} : 1366 J/g

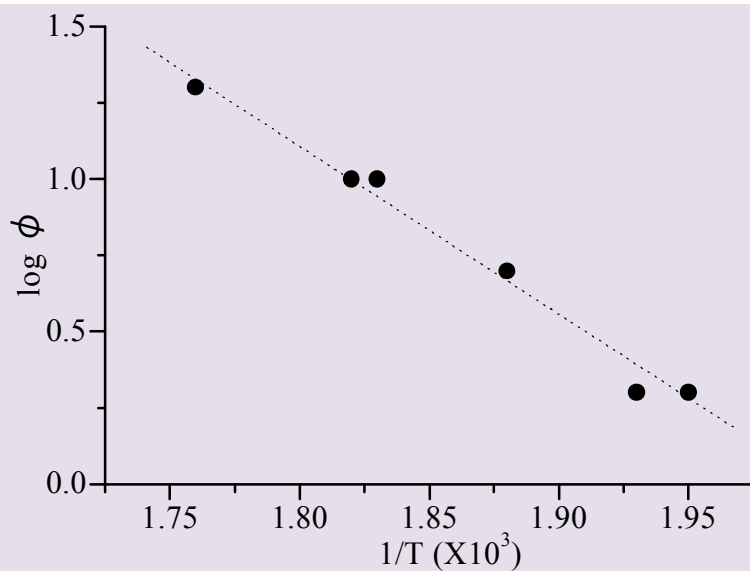
d) 20 K/min



< Average >

T_a : 207 °C
 T_o : 271 °C
 T_{top} : 295 °C
 Q_{DSC} : 1451 J/g

ASTM PLOT



ΔE : 103 kJ/mol
 A : 1.28×10^{18}
 r : -0.99288

Heat rate ϕ (K/min)	T_{peak} (°C)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	239	512	1.95	0.301
	245	518	1.93	0.301
5	258	531	1.88	0.699
	259	532	1.88	0.699
10	275	548	1.82	1.00
	274	547	1.83	1.00
20	295	568	1.76	1.30
	295	568	1.76	1.30