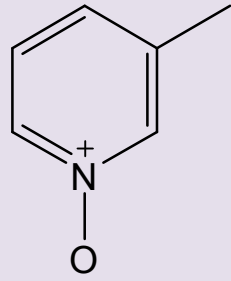
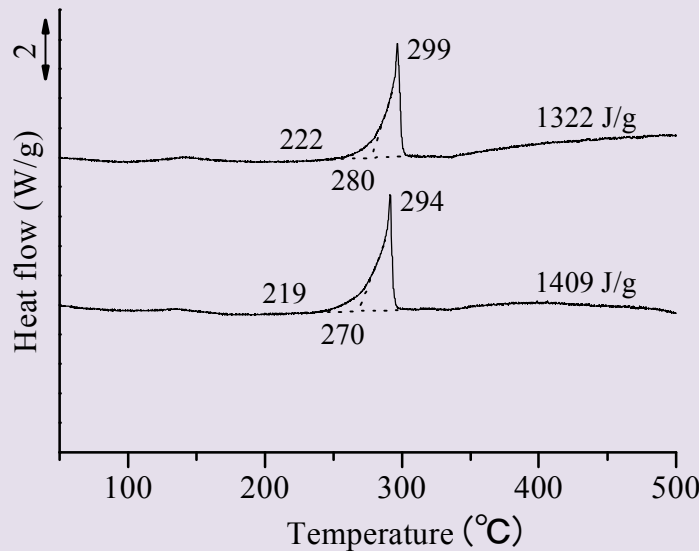
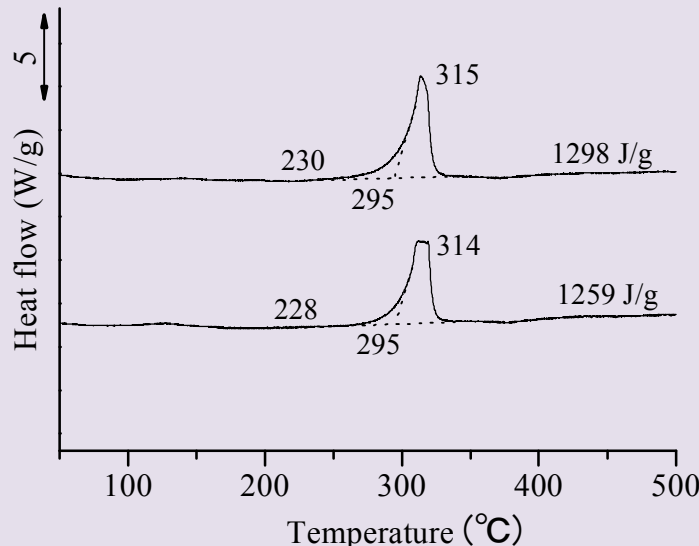
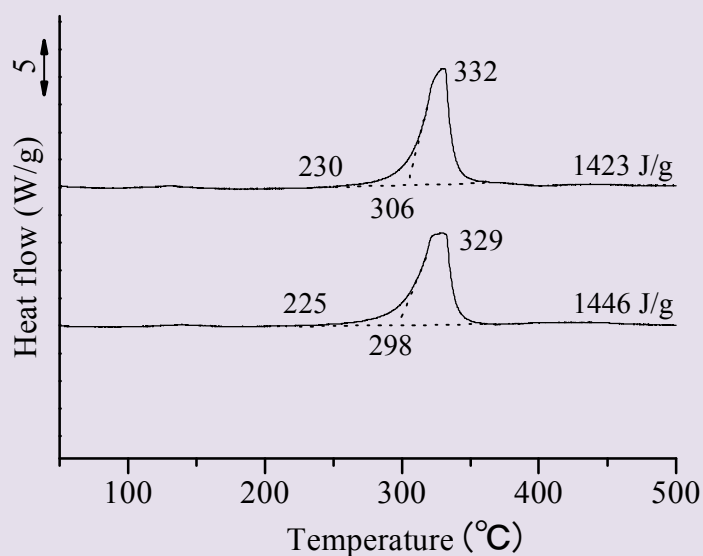


<p>3-Picoline-N-oxide</p>	<p>C_6H_7NO 3PNO</p>
	<p>DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: AlfaAesar (> 98%)</p>
<p>a) 2 K/min AlfaAesar: AlfaAesar社 (販売 和光純薬工業株式会社)</p>	
	<p>< Average > T_a: 221 °C T_o: 275 °C T_{top}: 297 °C Q_{DSC}: 1366 J/g</p>
<p>b) 5 K/min</p>	
	<p>< Average > T_a: 229 °C T_o: 295 °C T_{top}: 315 °C Q_{DSC}: 1279 J/g</p>

c) 10 K/min



<Average>

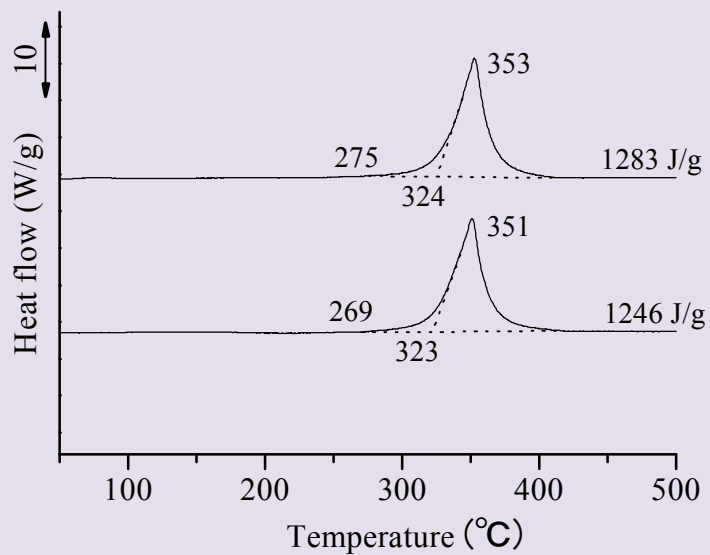
T_a : 228 °C

T_o : 302 °C

T_{top} : 331 °C

Q_{DSC} : 1435 J/g

d) 20 K/min



<Average>

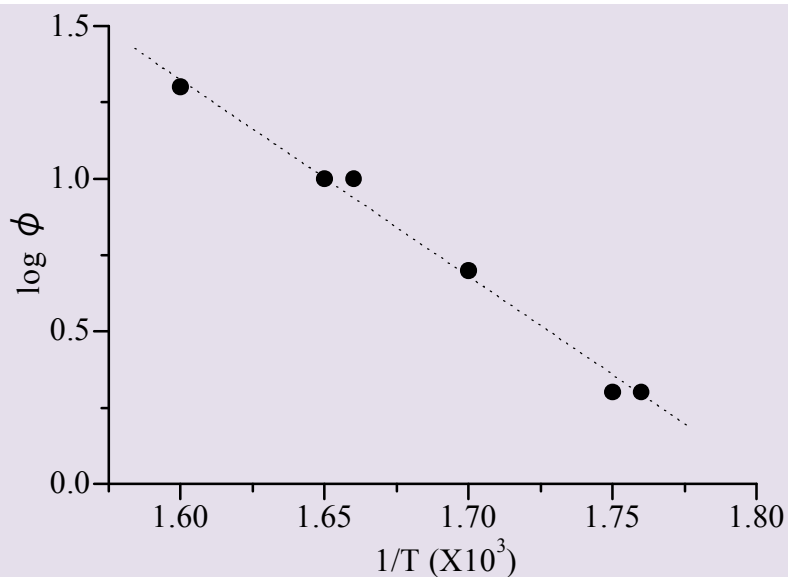
T_a : 272 °C

T_o : 324 °C

T_{top} : 352 °C

Q_{DSC} : 1265 J/g

ASTM PLOT



ΔE : 120 kJ/mol
 A : 1.87×10^{21}
 r : -0.99584

Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	299	572	1.75	0.301
	294	567	1.76	0.301
5	315	588	1.70	0.699
	314	587	1.70	0.699
10	332	605	1.65	1.00
	329	602	1.66	1.00
20	353	626	1.60	1.30
	351	624	1.60	1.30