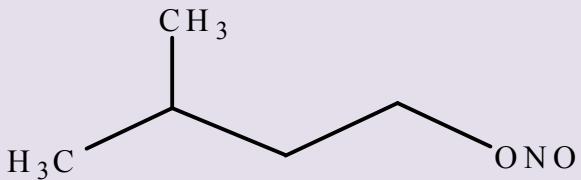
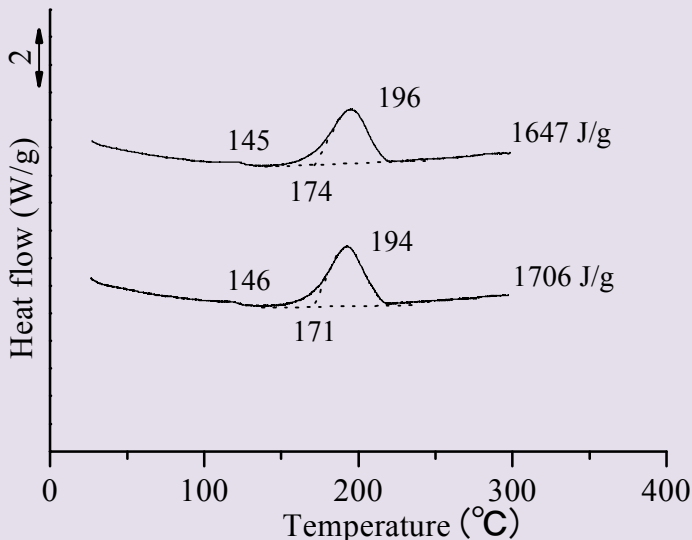
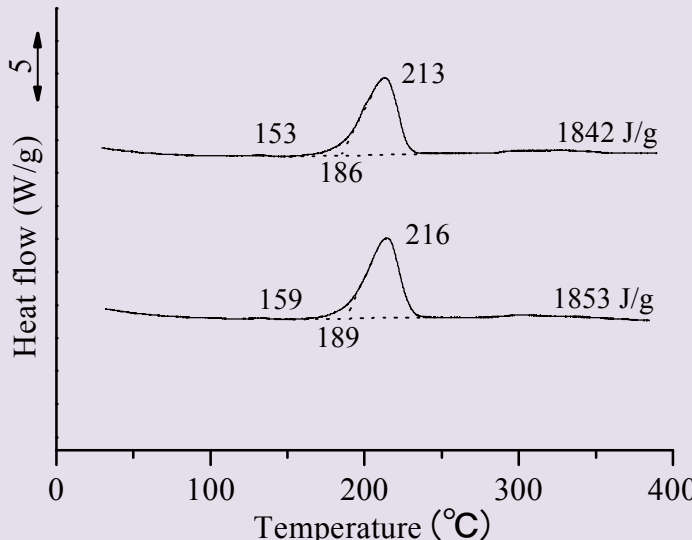
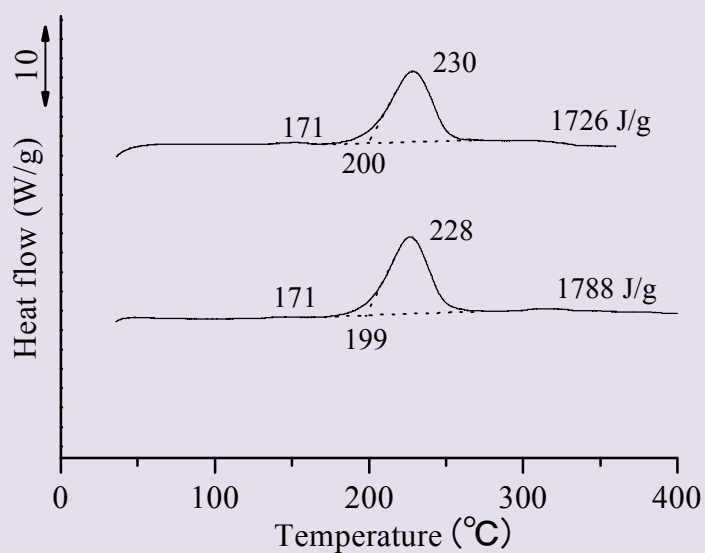


Isoamyl Nitrite	$(\text{CH}_3)_2\text{CHCH}_2\text{CH}_2\text{ONO}$ IAN
	DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: Wako ($\geq 95.0\%$)
a) 2 K/min Wako: 和光純薬工業株式会社	
	<p><Average></p> <p>T_a: 146 °C T_o: 173 °C T_{top}: 195 °C Q_{DSC}: 1677 J/g</p>
b) 5 K/min	
	<p><Average></p> <p>T_a: 156 °C T_o: 188 °C T_{top}: 215 °C Q_{DSC}: 1848 J/g</p>

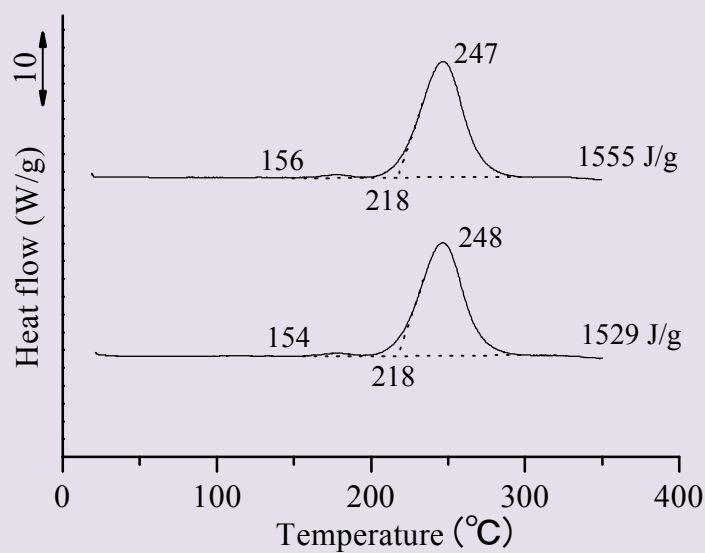
c) 10 K/min



<Average>

T_a : 171 °C
 T_o : 200 °C
 T_{top} : 229 °C
 Q_{DSC} : 1757 J/g

d) 20 K/min



<Average>

T_a : 155 °C
 T_o : 218 °C
 T_{top} : 248 °C
 Q_{DSC} : 1542 J/g

ASTM PLOT

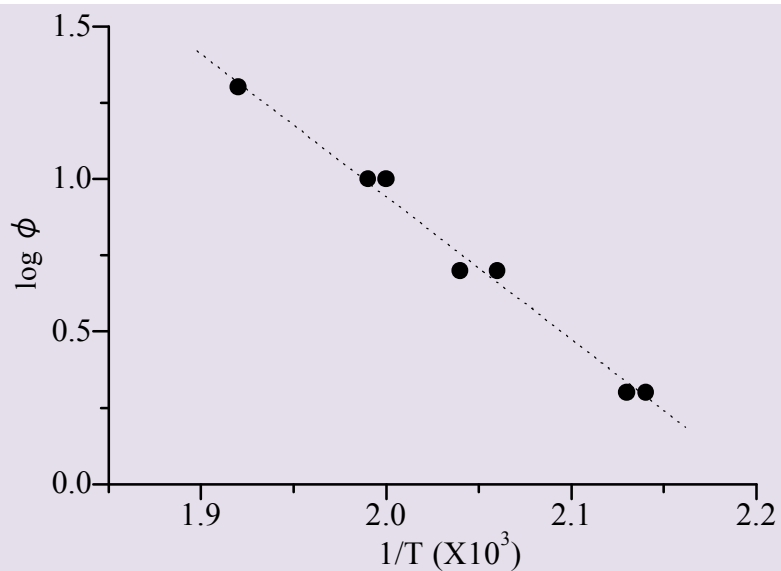


Table (ASTM)

Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	196	469	2.13	0.301
	194	467	2.14	0.301
5	213	486	2.06	0.699
	216	489	2.04	0.699
10	230	503	1.99	1.00
	228	501	2.00	1.00
20	247	520	1.92	1.30
	248	521	1.92	1.30