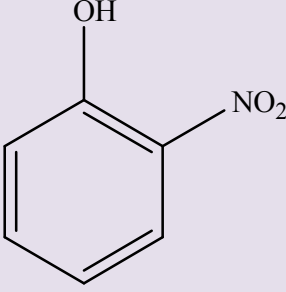
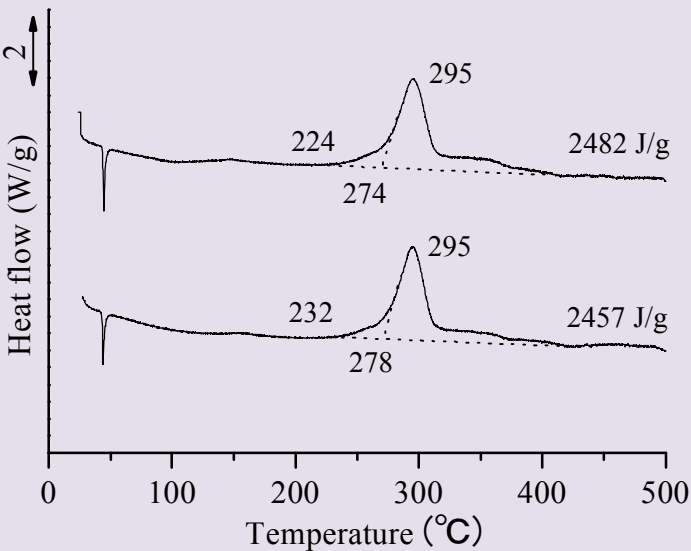
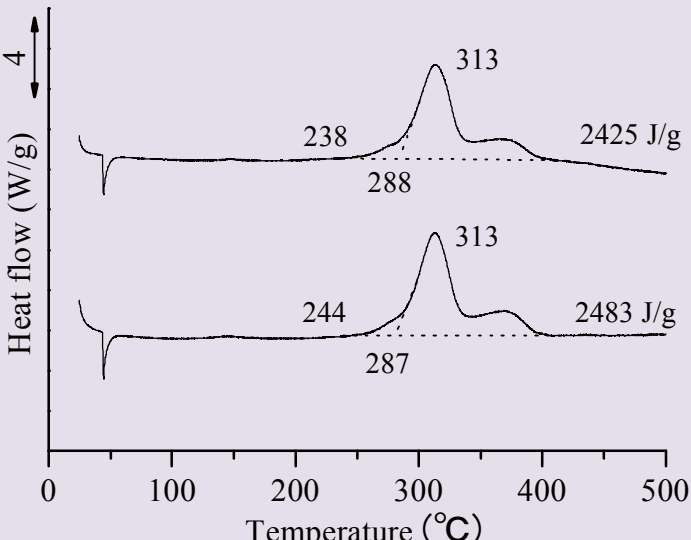
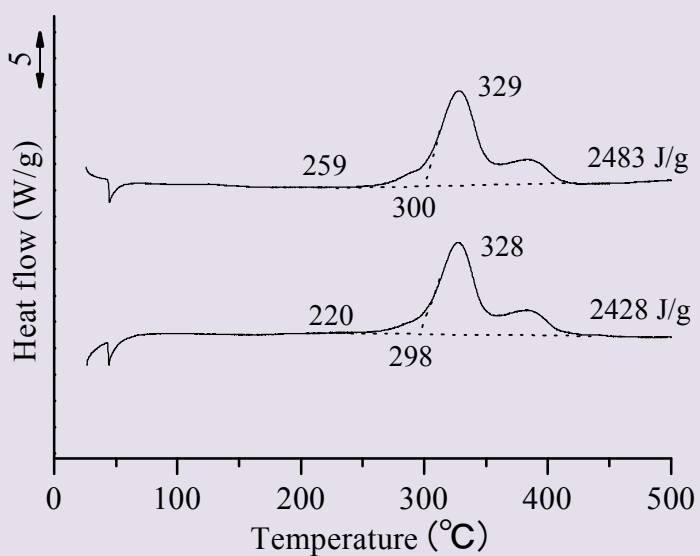


o-Nitrophenol	C ₆ H ₅ NO ₃ oNP
	DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: Wako (≥ 98.0%)
a) 2 K/min Wako: 和光純薬工業株式会社	
	<p><Average></p> <p>T_a: 228 °C T_o: 276 °C T_{top}: 295 °C Q_{DSC}: 2470 J/g</p>
b) 5 K/min	
	<p><Average></p> <p>T_a: 241 °C T_o: 288 °C T_{top}: 313 °C Q_{DSC}: 2454 J/g</p>

c) 10 K/min



<Average>

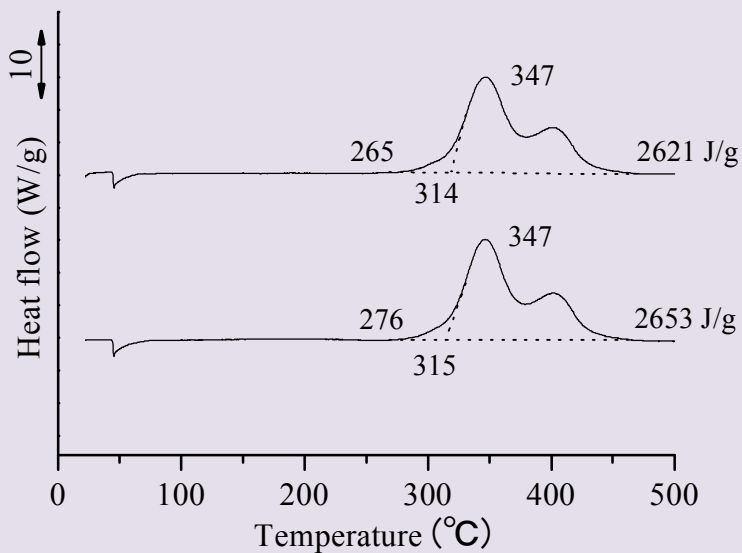
T_a : 240 °C

T_o : 299 °C

T_{top} : 329 °C

Q_{DSC} : 2456 J/g

d) 20 K/min



<Average>

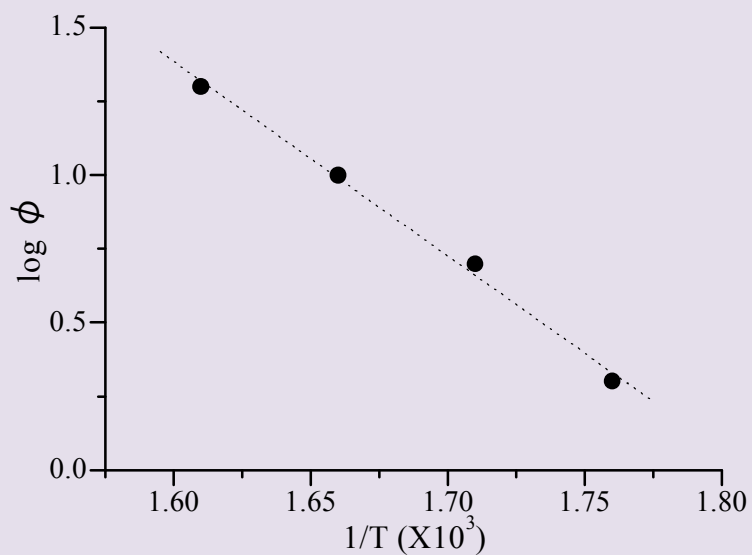
T_a : 271 °C

T_o : 315 °C

T_{top} : 347 °C

Q_{DSC} : 2637 J/g

ASTM PLOT



$\Delta E : 123 \text{ kJ/mol}$
 $A : 6.25 \times 10^{21}$
 $r : -0.99738$

Heat rate ϕ (K/min)	T_{peak} (°C)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	295	568	1.76	0.301
	295	568	1.76	0.301
5	313	586	1.71	0.699
	313	586	1.71	0.699
10	329	602	1.66	1.00
	328	601	1.66	1.00
20	347	620	1.61	1.30
	347	620	1.61	1.30