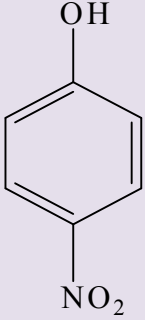
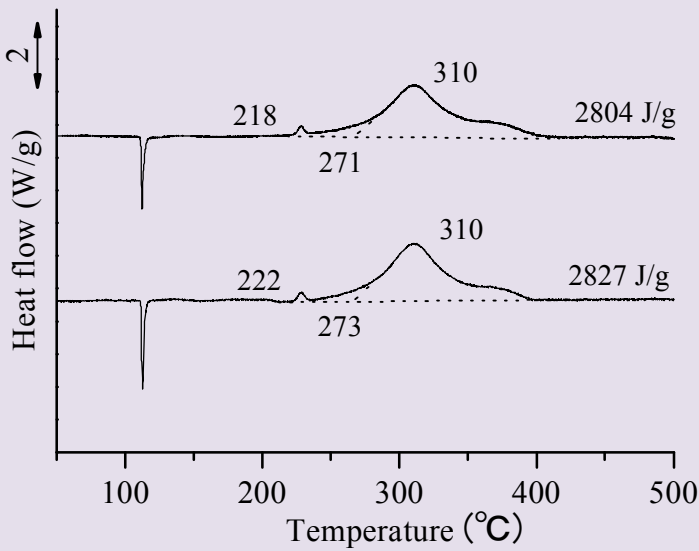
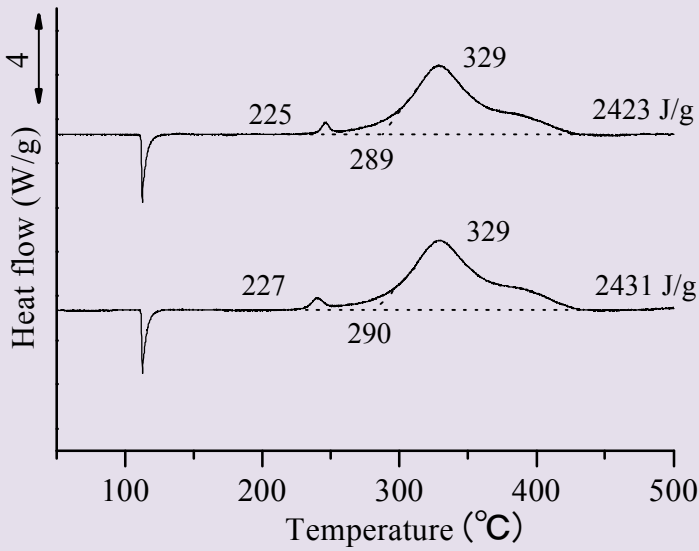
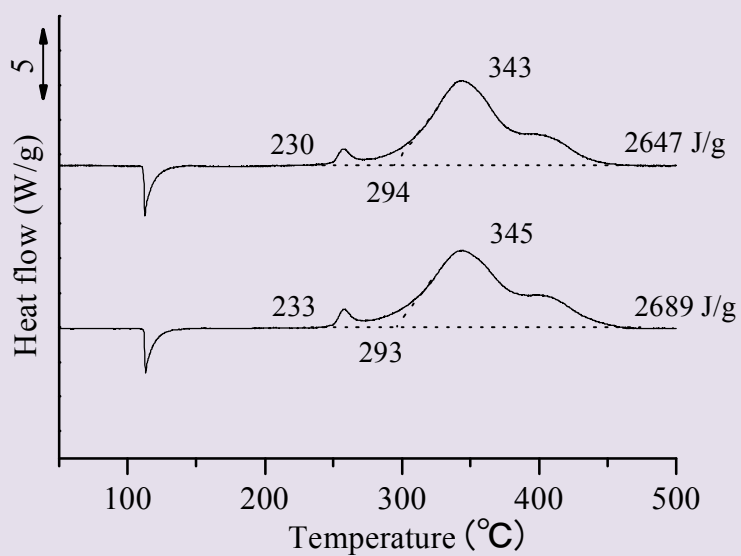


<p><i>p</i>-Nitrophenol</p>	<p>C₆H₅NO₃ pNP</p>
	<p>DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: Wako (> 99.0%)</p>
<p>a) 2 K/min Wako: 和光純薬工業株式会社</p>	
	<p><Average> T_a: 220 °C T_o: 272 °C T_{top}: 310 °C Q_{DSC}: 2816 J/g</p>
<p>b) 5 K/min</p>	
	<p><Average> T_a: 226 °C T_o: 290 °C T_{top}: 329 °C Q_{DSC}: 2427 J/g</p>

c) 10 K/min



<Average>

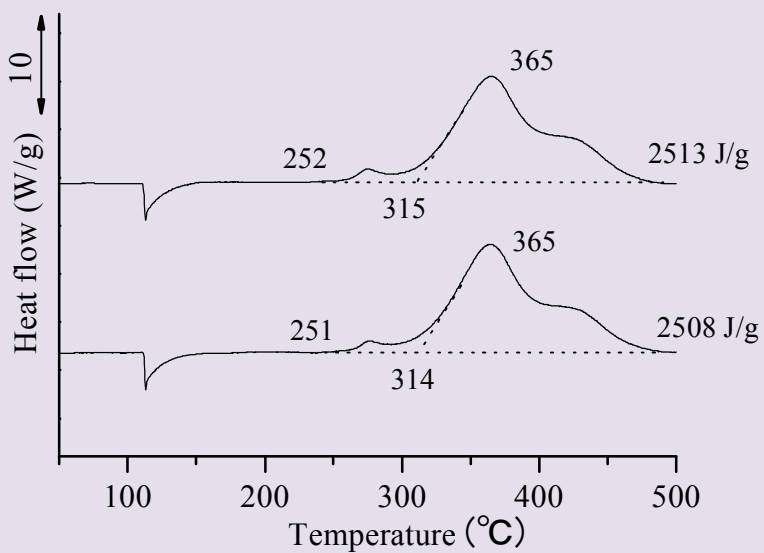
T_a : 232 °C

T_o : 294 °C

T_{top} : 344 °C

Q_{DSC} : 2668 J/g

d) 20 K/min



<Average>

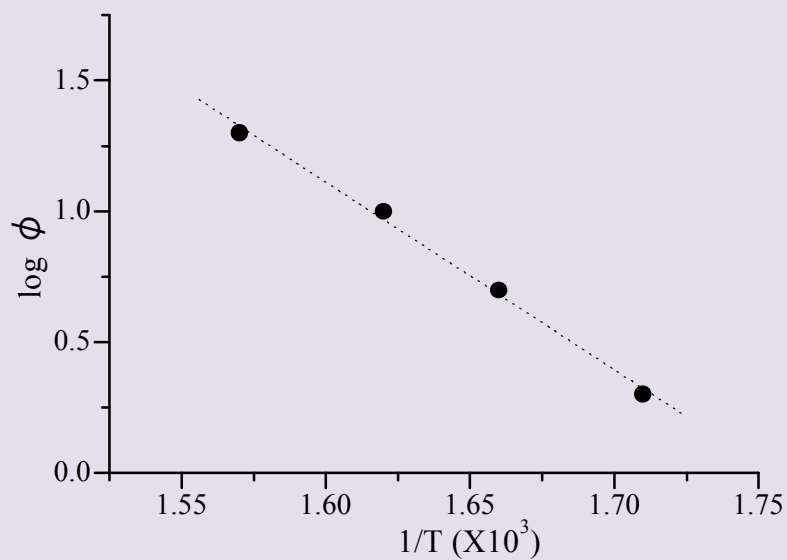
T_a : 252 °C

T_o : 315 °C

T_{top} : 365 °C

Q_{DSC} : 2511 J/g

ASTM PLOT



ΔE : 134 kJ/mol
 A : 4.96×10^{23}
 r : -0.9977

Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	310	583	1.71	0.301
	310	583	1.71	0.301
5	329	602	1.66	0.699
	329	602	1.66	0.699
10	343	616	1.62	1.00
	345	618	1.62	1.00
20	365	638	1.57	1.30
	365	638	1.57	1.30