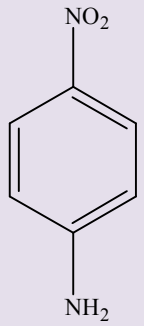
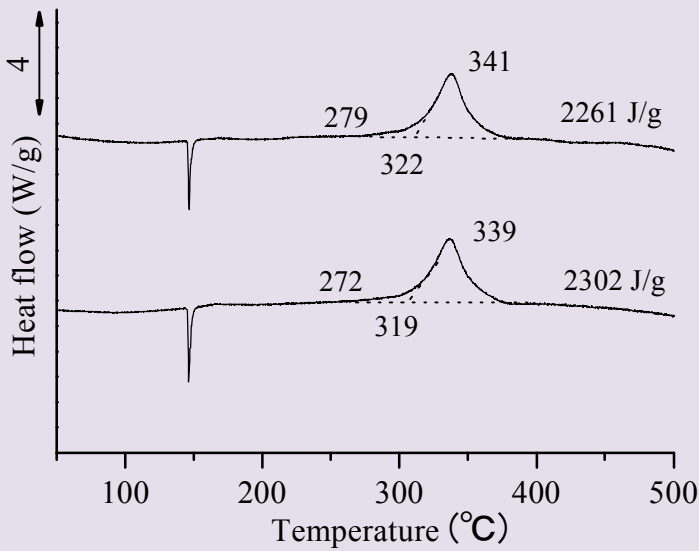
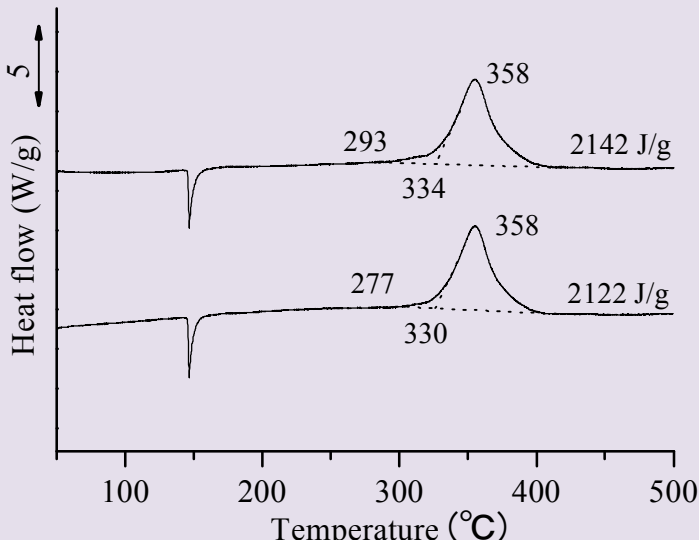
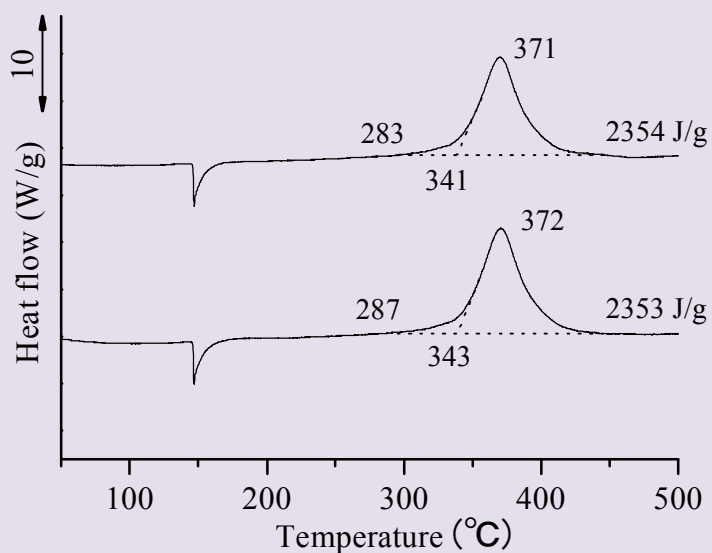


<p>4-Nitroaniline</p>	<p>$C_6H_6N_2O_2$ pNA</p>
	<p>DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: Wako (> 99.0%)</p>
<p>a) 2 K/min Wako: 和光純薬工業株式会社</p>	
	<p>< Average > T_a: 276 °C T_o: 321 °C T_{top}: 340 °C Q_{DSC}: 2282 J/g</p>
<p>b) 5 K/min</p>	
	<p>< Average > T_a: 285 °C T_o: 232 °C T_{top}: 358 °C Q_{DSC}: 2132 J/g</p>

c) 10 K/min



<Average>

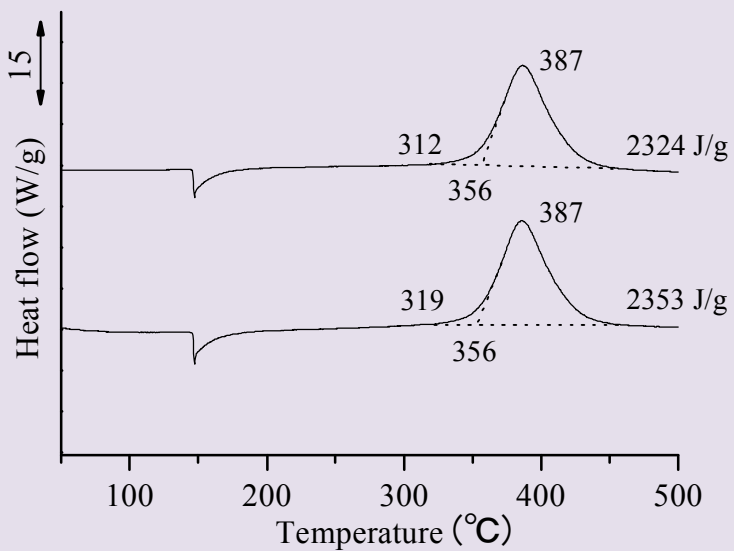
T_a : 285 °C

T_o : 342 °C

T_{top} : 372 °C

Q_{DSC} : 2354 J/g

d) 20 K/min



<Average>

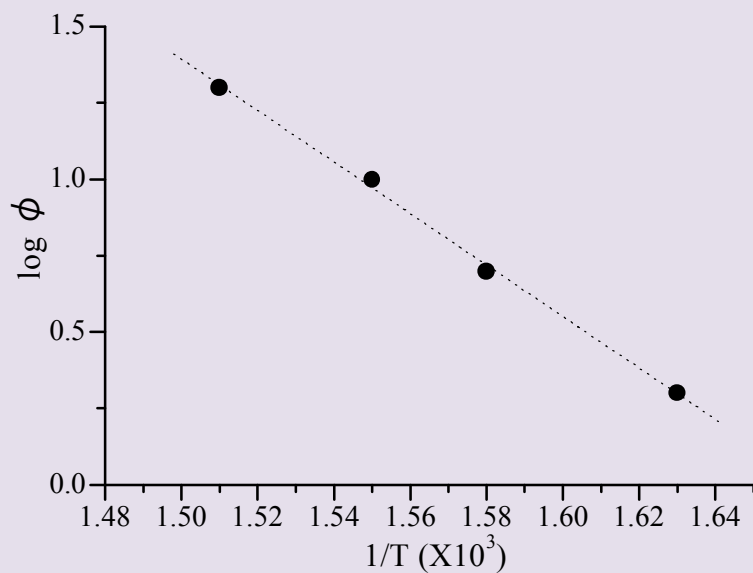
T_a : 316 °C

T_o : 356 °C

T_{top} : 387 °C

Q_{DSC} : 2339 J/g

ASTM PLOT



$\Delta E : 157 \text{ kJ/mol}$
 $A : 8.07 \times 10^{27}$
 $r : -0.99182$

Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	341	614	1.63	0.301
	339	612	1.63	0.301
5	358	631	1.58	0.699
	358	631	1.58	0.699
10	371	644	1.55	1.00
	372	645	1.55	1.00
20	387	660	1.51	1.30
	387	660	1.51	1.30