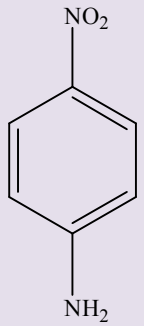
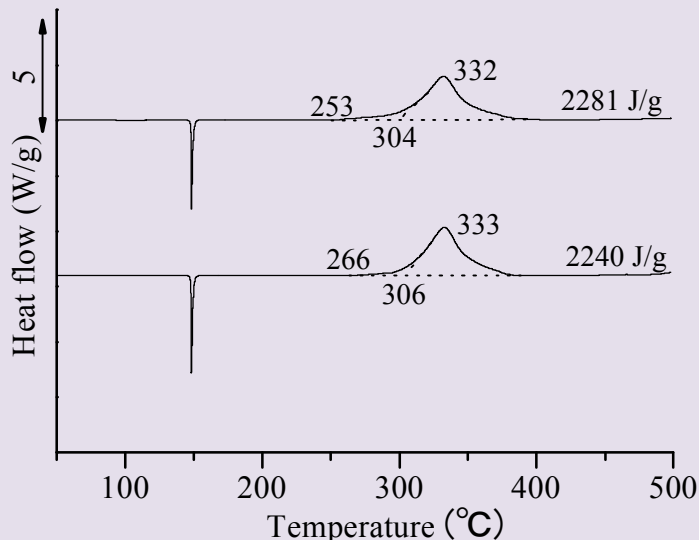
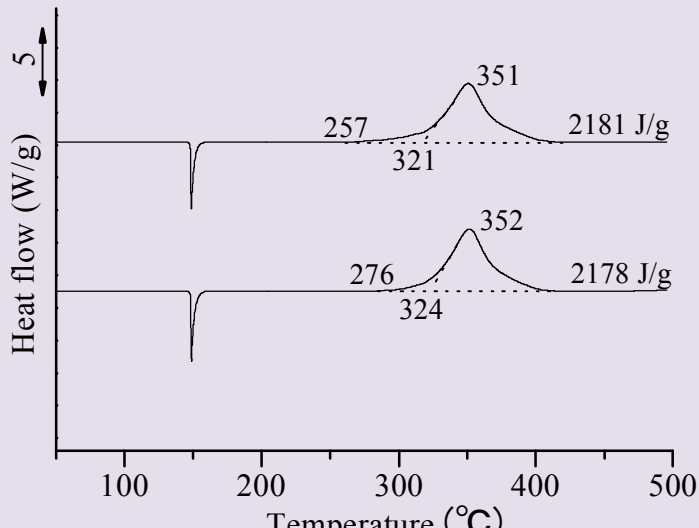
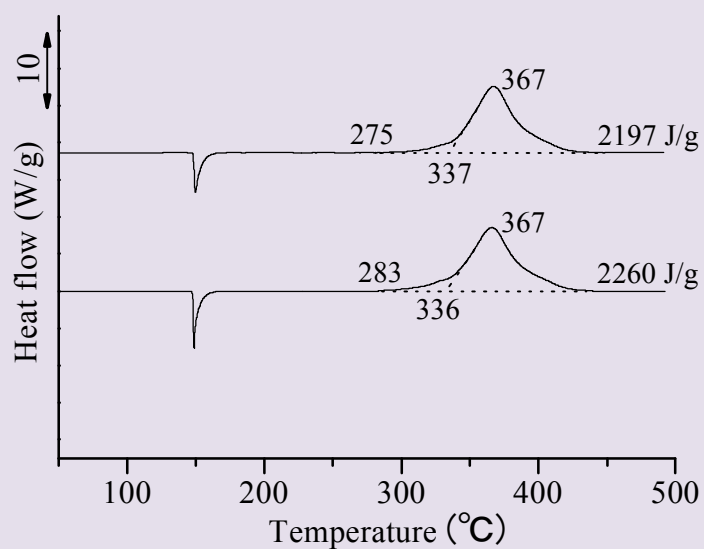


<p>4-Nitroaniline</p>	<p>$C_6H_6N_2O_2$ pNA</p>
	<p>DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: Wako (> 99.0%)</p>
<p>a) 2 K/min Wako: 和光純薬工業株式会社</p>	
	<p><Average> T_a: 260 °C T_o: 305 °C T_{top}: 333 °C Q_{DSC}: 2261 J/g</p>
<p>b) 5 K/min</p>	
	<p><Average> T_a: 267 °C T_o: 323 °C T_{top}: 352 °C Q_{DSC}: 2180 J/g</p>

c) 10 K/min



< Average >

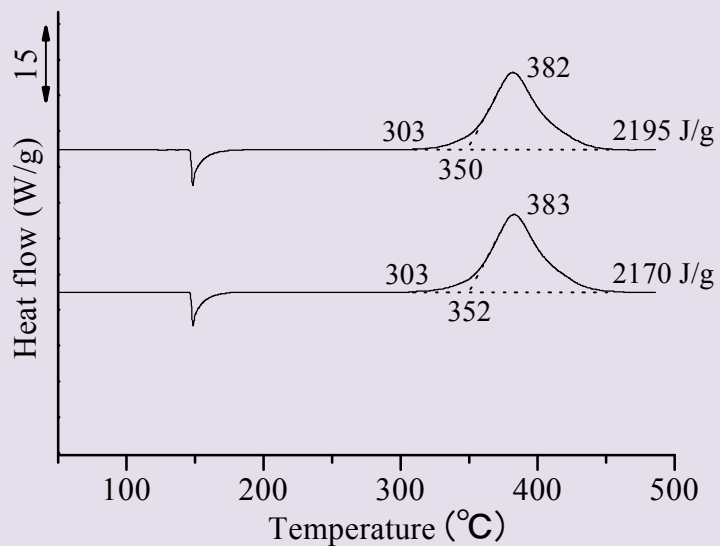
T_a : 279 °C

T_o : 337 °C

T_{top} : 367 °C

Q_{DSC} : 2229 J/g

d) 20 K/min



< Average >

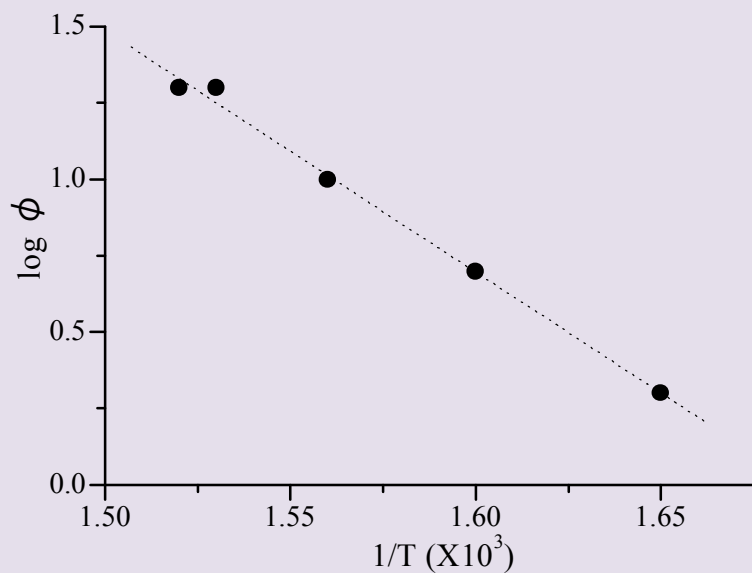
T_a : 303 °C

T_o : 351 °C

T_{top} : 383 °C

Q_{DSC} : 2183 J/g

ASTM PLOT



ΔE : 148 kJ/mol
 A : 1.58×10^{26}
 r : -0.99831

Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	332	605	1.65	0.301
	333	606	1.65	0.301
5	351	624	1.60	0.699
	352	625	1.60	0.699
10	367	640	1.56	1.00
	367	640	1.56	1.00
20	382	655	1.53	1.30
	383	656	1.52	1.30