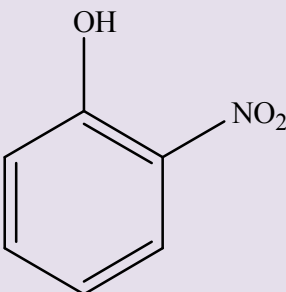
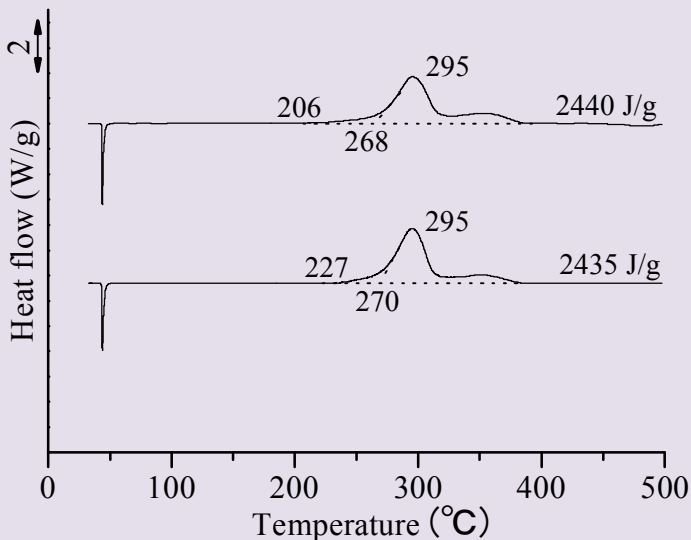
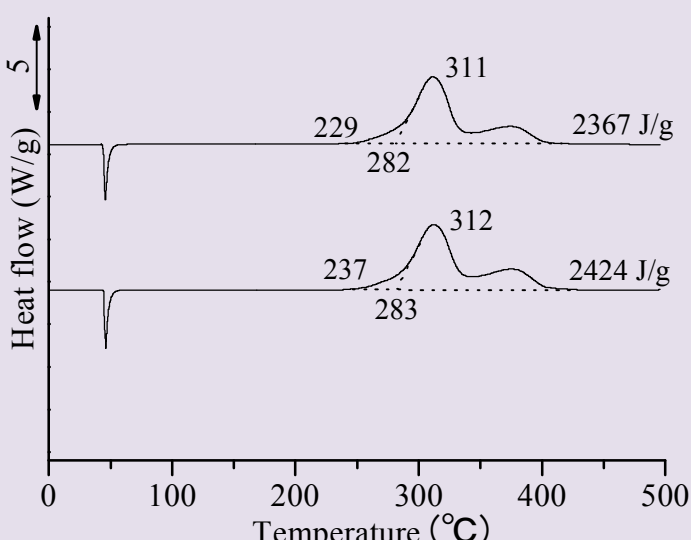
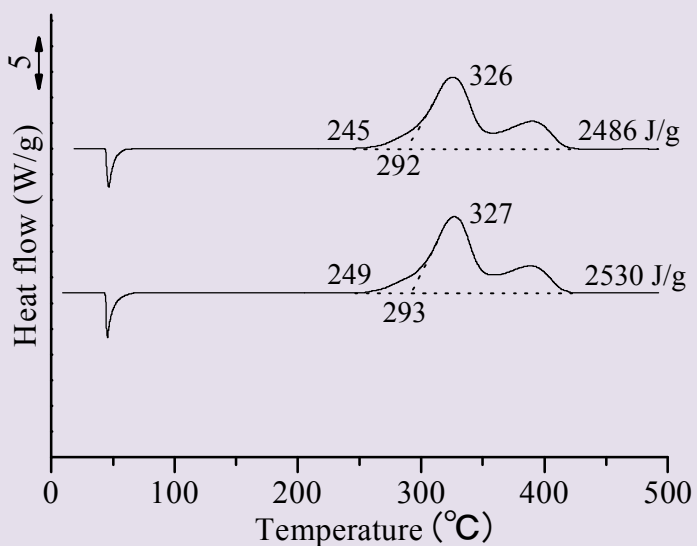


<p><i>o</i>-Nitrophenol</p>	<p>$C_6H_5NO_3$ oNP</p>
	<p>DSC device: SII DSC 7020 SII Nano Technology Inc. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) SII Nano Technology Inc. Sample: Wako ($\geq 98.0\%$)</p>
<p>a) 2 K/min Wako: 和光純薬工業株式会社</p>	
	<p>< Average > T_a: 217 °C T_o: 269 °C T_{top}: 295 °C Q_{DSC}: 2438 J/g</p>
<p>b) 5 K/min</p>	
	<p>< Average > T_a: 233 °C T_o: 283 °C T_{top}: 312 °C Q_{DSC}: 2396 J/g</p>

c) 10 K/min



<Average>

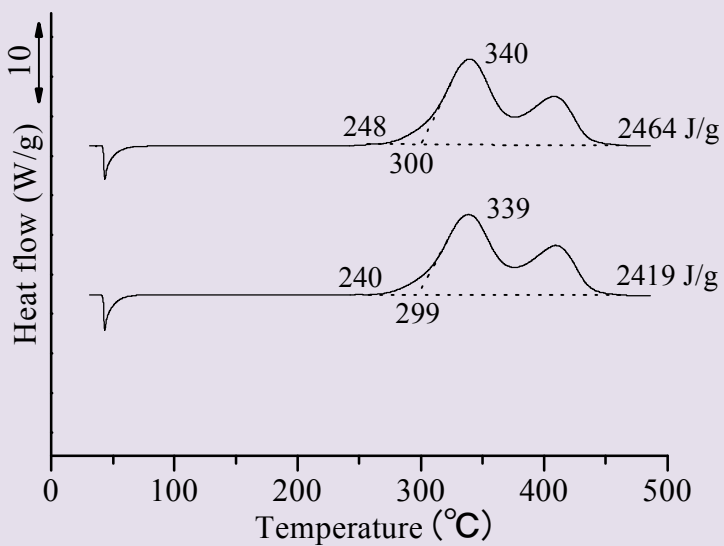
T_a : 247 °C

T_o : 293 °C

T_{top} : 327 °C

Q_{DSC} : 2508 J/g

d) 20 K/min



<Average>

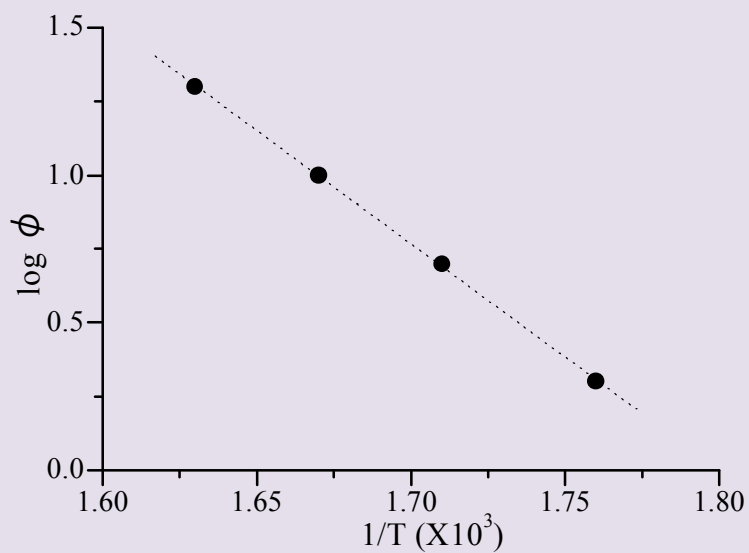
T_a : 244 °C

T_o : 300 °C

T_{top} : 340 °C

Q_{DSC} : 2442 J/g

ASTM PLOT



ΔE : 143 kJ/mol
 A : 2.51×10^{25}
 r : -0.99988

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	311	584	1.71	0.699
	312	585	1.71	0.699
10	326	599	1.67	1.00
	327	600	1.67	1.00
20	340	613	1.63	1.30
	339	612	1.63	1.30