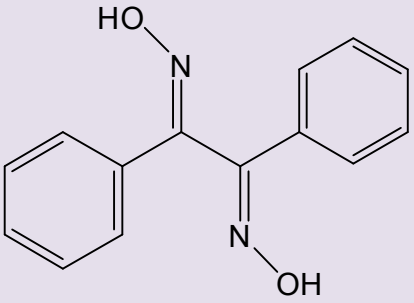
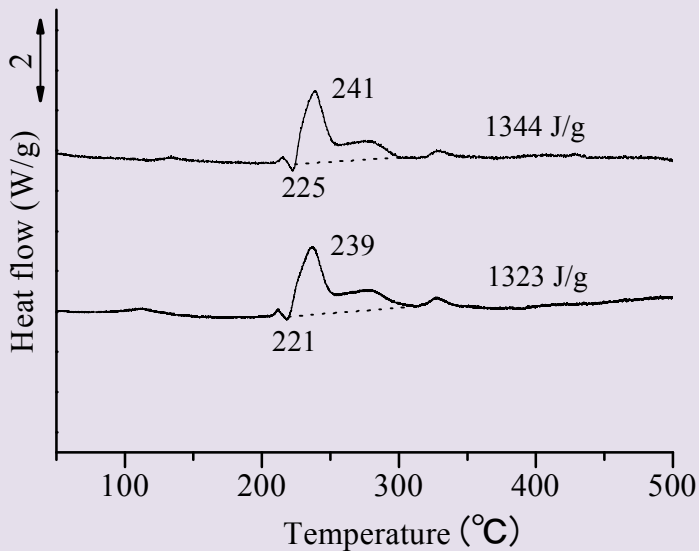
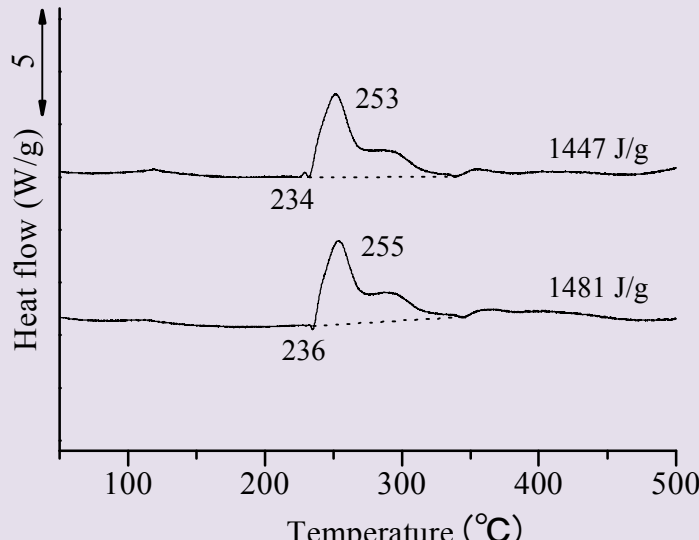
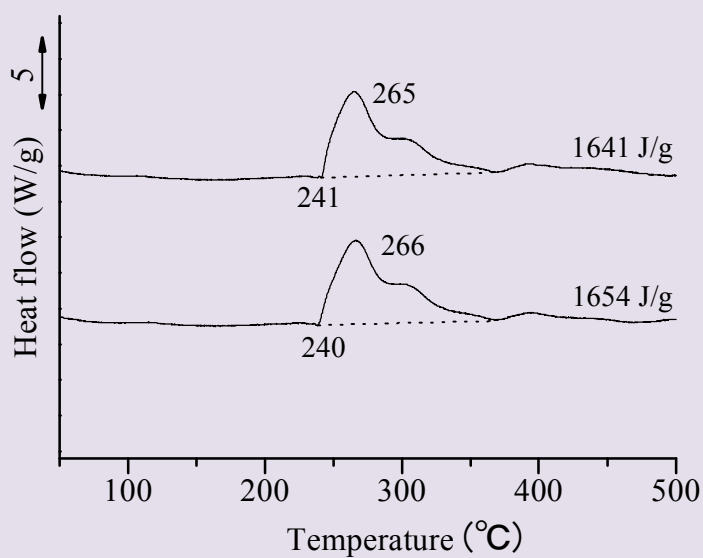


<p>Diphenylglyoxime</p>	<p>$C_{14}H_{12}N_2O_2$ BDO</p>
	<p>DSC device: DSC8270B Rigaku Corp. dT/dt: 2, 5, 10, 20 K/min Atmosphere: Air Vesel: pressure vessel (SUS) Rigaku Corp. Sample: AlfaAesar (> 98%)</p>
<p>a) 2 K/min AlfaAesar: AlfaAesar社 (販売 和光純薬工業株式会社)</p>	
	<p><Average> T_a: 223 °C T_o: 223 °C T_{top}: 240 °C Q_{DSC}: 1334 J/g</p>
<p>b) 5 K/min</p>	
	<p><Average> T_a: 235 °C T_o: 235 °C T_{top}: 254 °C Q_{DSC}: 1464 J/g</p>

c) 10 K/min



< Average >

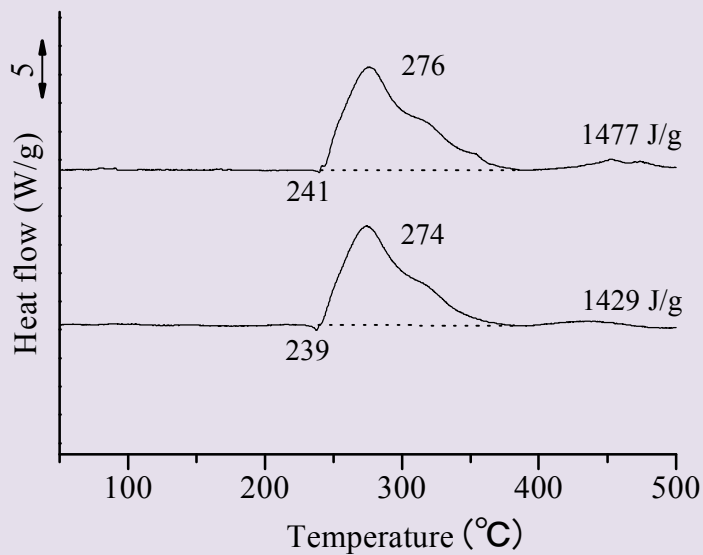
T_a : 241 °C

T_o : 241 °C

T_{top} : 266 °C

Q_{DSC} : 1648 J/g

d) 20 K/min



< Average >

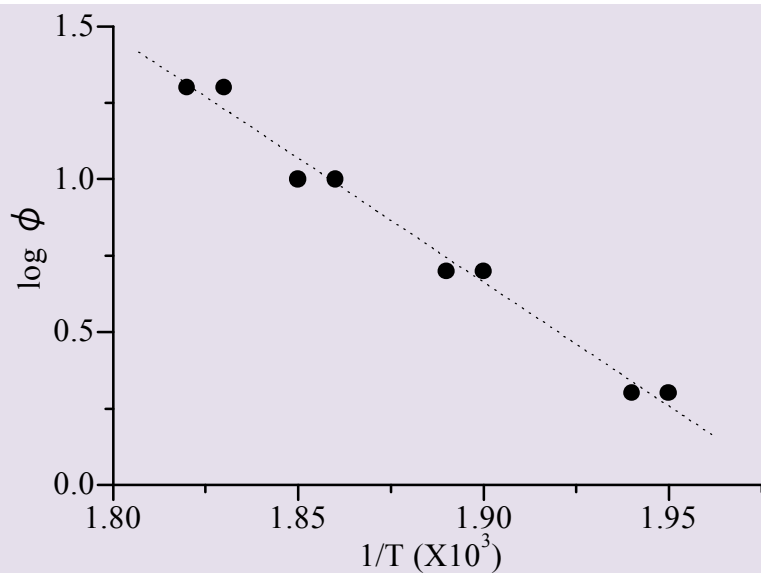
T_a : 240 °C

T_o : 240 °C

T_{top} : 275 °C

Q_{DSC} : 1453 J/g

ASTM PLOT



ΔE : 151 kJ/mol
 A : 6.64×10^{26}
 r : -0.99246

Heat rate ϕ (K/min)	T_{peak} ($^{\circ}\text{C}$)	T_m (K)	$1/T_m \cdot 10^3$	$\log \phi$
2	241	514	1.94	0.301
	239	512	1.95	0.301
5	253	526	1.90	0.699
	255	528	1.89	0.699
10	265	538	1.86	1.00
	266	539	1.85	1.00
20	276	549	1.82	1.30
	274	547	1.83	1.30