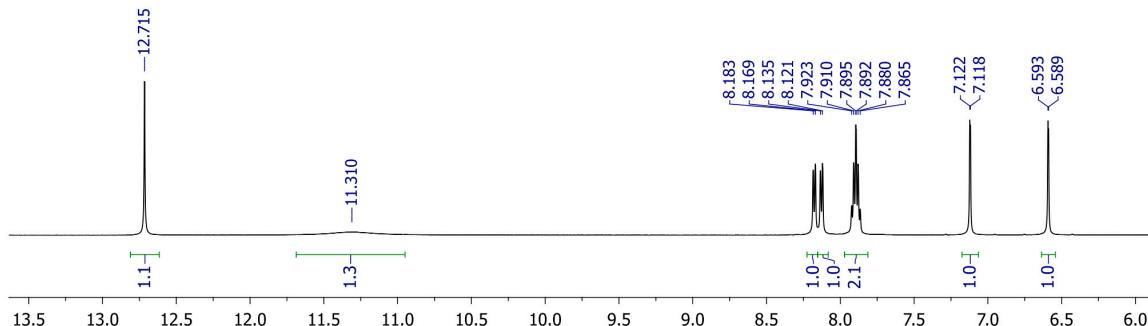


Supplementary Materials:

1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione

Siti Nurbayti, Didin Mujahidin and Yana M. Syah



1,3-Dihydroxyanthracene-9,10-dione, ¹³C NMR

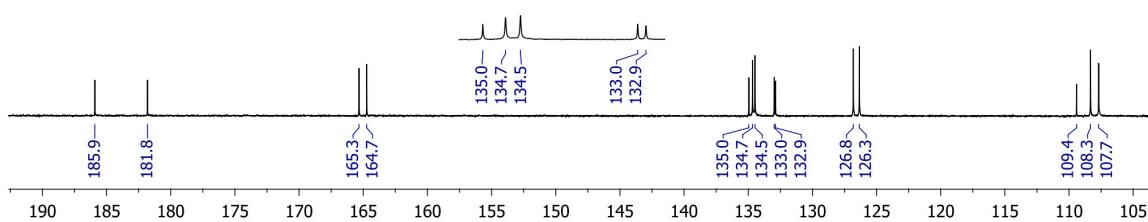


Figure S1. ¹H and ¹³C-NMR spectra of 1,3-Dihydroxyanthracene-9,10-dione (3).

1,3-Dihydroxyanthracene-9,10-dione, HSQC

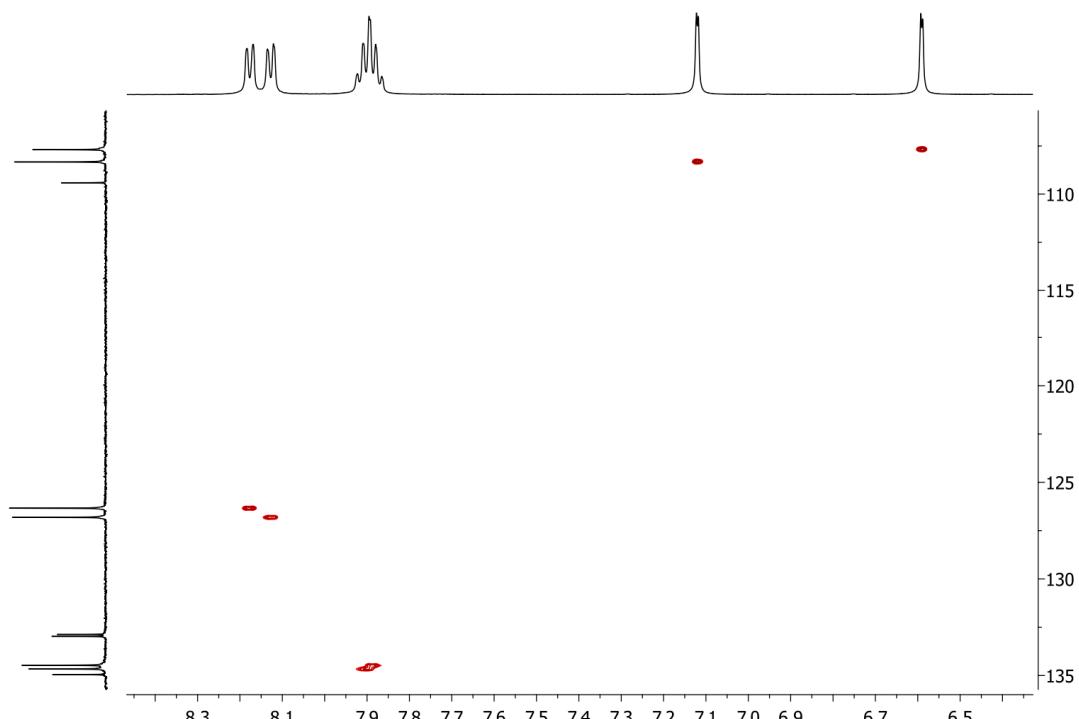


Figure S2. HSQC spectrum of 1,3-Dihydroxyanthracene-9,10-dione (3).

1,3-Dihydroxyanthracene-9,10-dione, HMBC

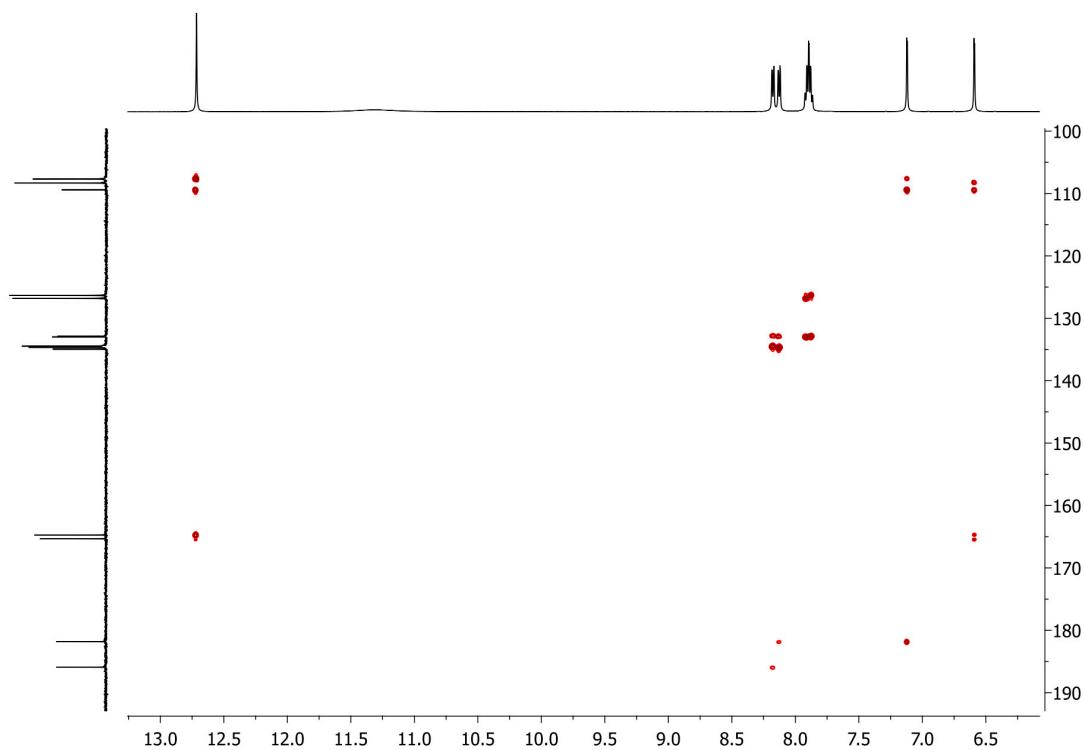


Figure S3. HMBC spectrum of 1,3-Dihydroxyanthracene-9,10-dione (3).

1,3-Dihydroxyanthracene-9,10-dione, HMBC

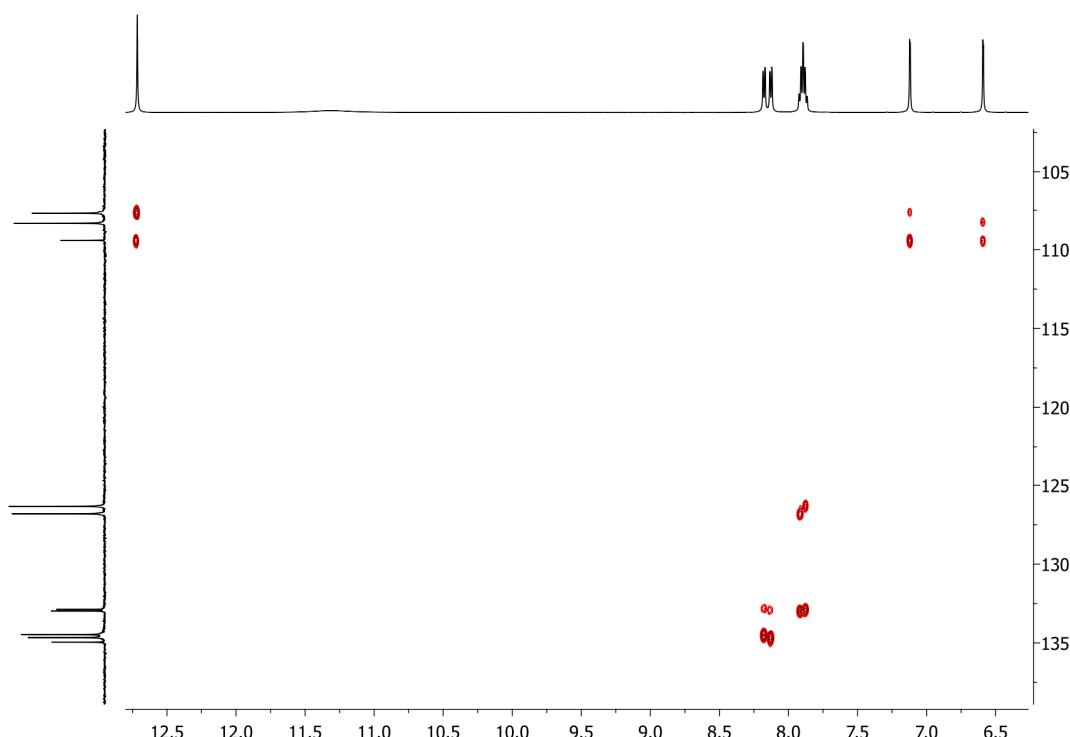
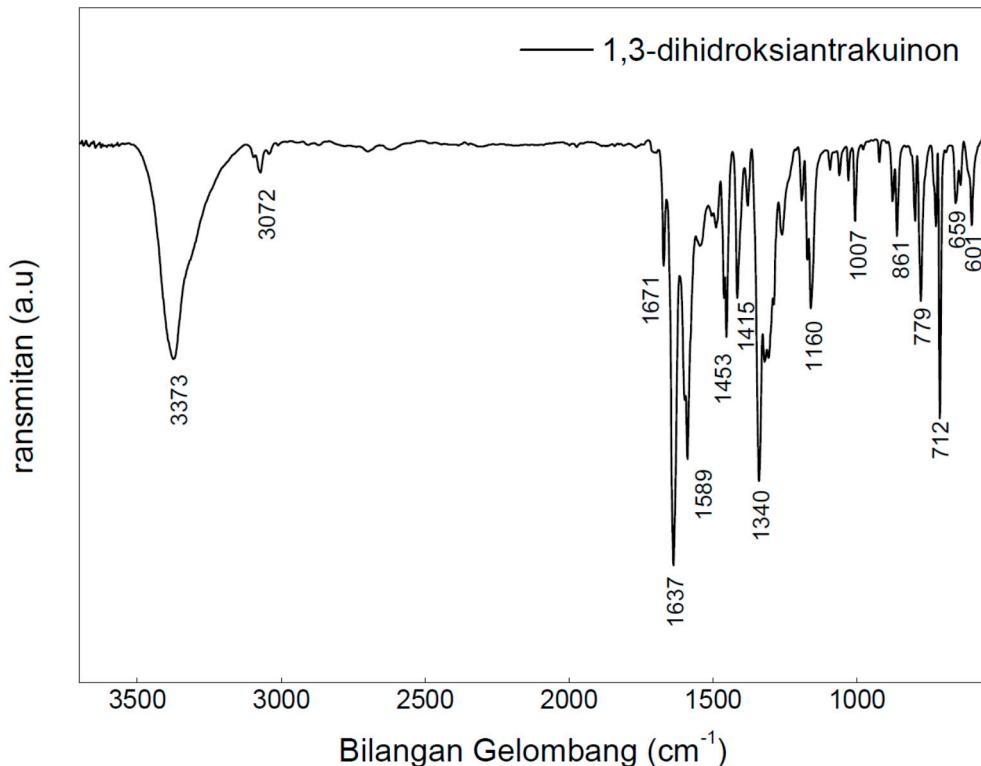


Figure S4. HMBC spectrum of 1,3-Dihydroxyanthracene-9,10-dione (3).

**Figure S5.** IR spectrum of 1,3-Dihydroxyanthracene-9,10-dione (3).**Elemental Composition Report****Page 1****Single Mass Analysis (displaying only valid results)**

Tolerance = 10.0 mDa / DBE: min = 1.0, max = 30.0

Selected filters: None

Monoisotopic Mass, Even Electron Ions

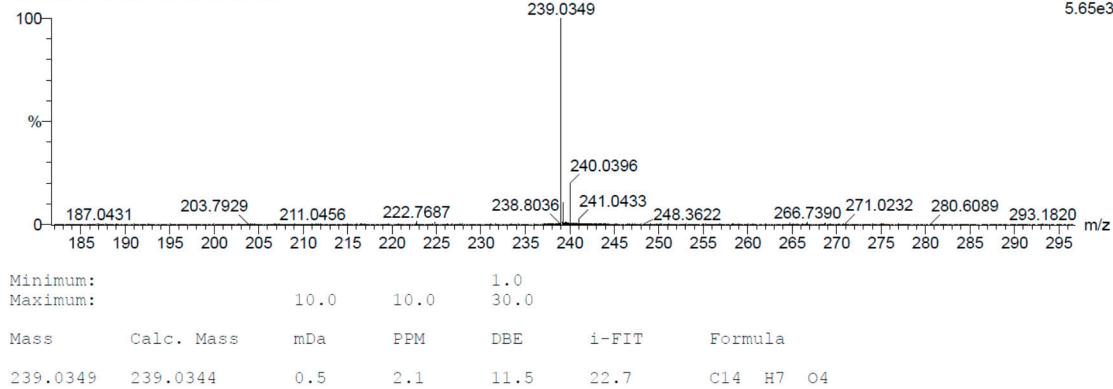
62 formula(e) evaluated with 3 results within limits (up to 1 best isotopic matches for each mass)

Elements Used:

C: 0-500 H: 0-1000 O: 0-20 Na: 0-1

standar

siti_seny15_239.0344-neg 10 (0.167)

TOF MS ES-
5.65e3**Figure S6.** HRESI-TOF mass spectrum (negative mode) of 1,3-Dihydroxyanthracene-9,10-dione (3).

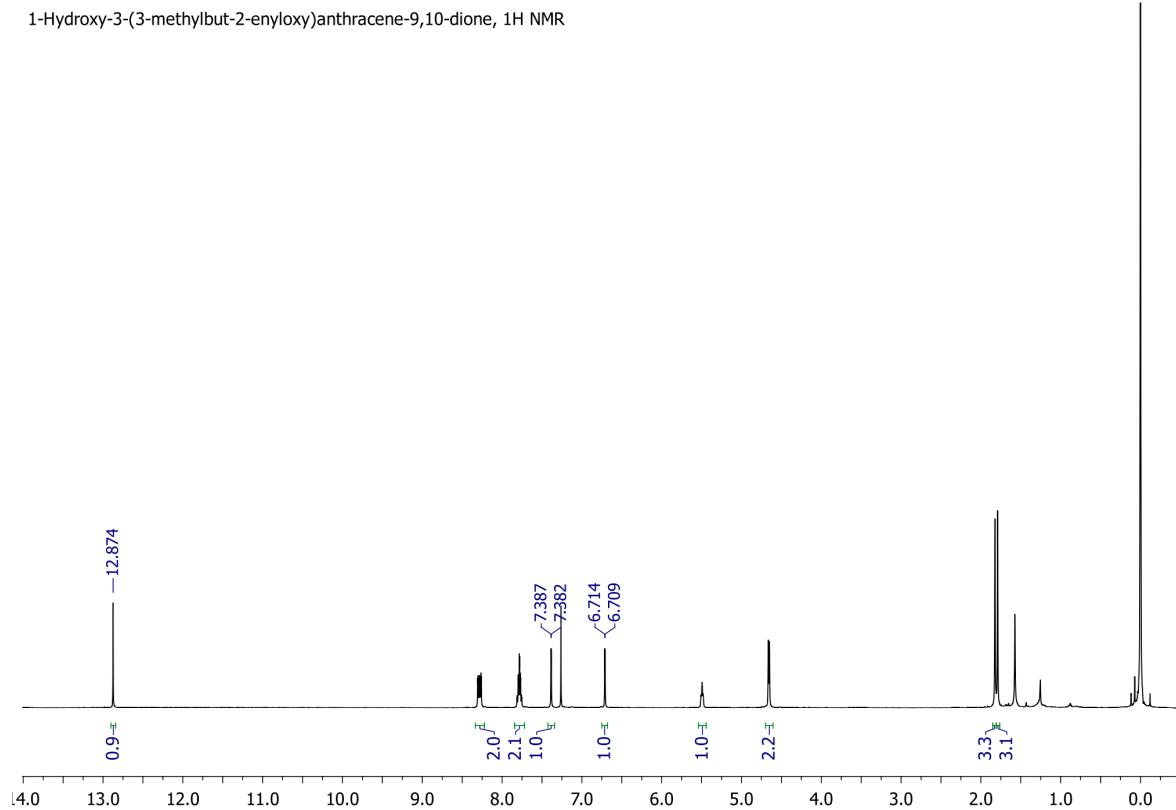


Figure S7. ^1H -NMR spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (**4**).

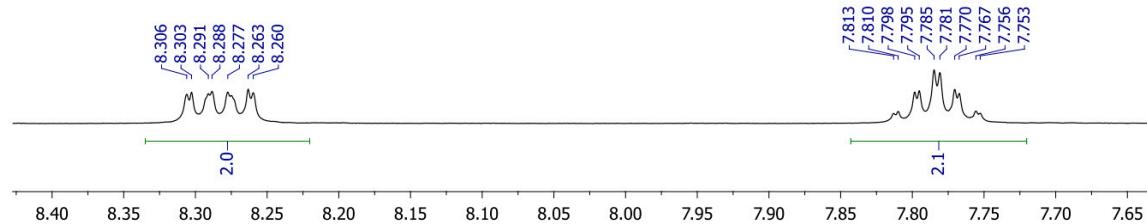


Figure S8. ^1H -NMR spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (**4**).

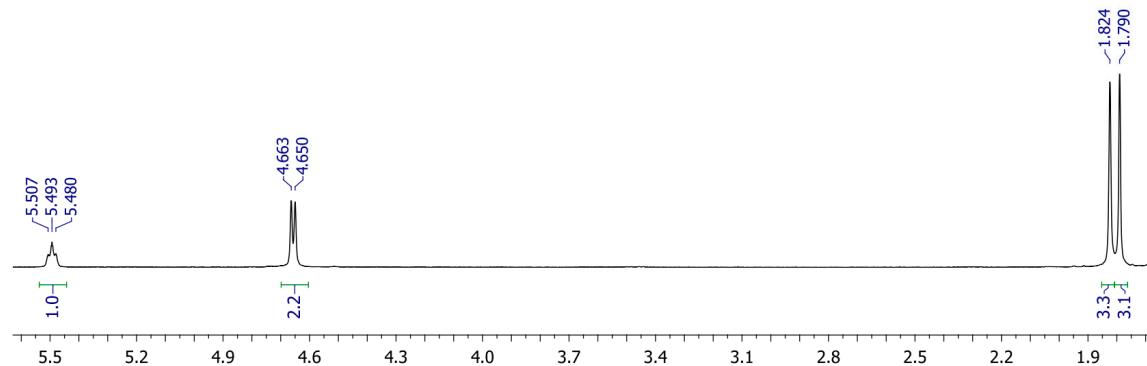


Figure S9. ^1H -NMR spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (**4**).

1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione, ^{13}C NMR

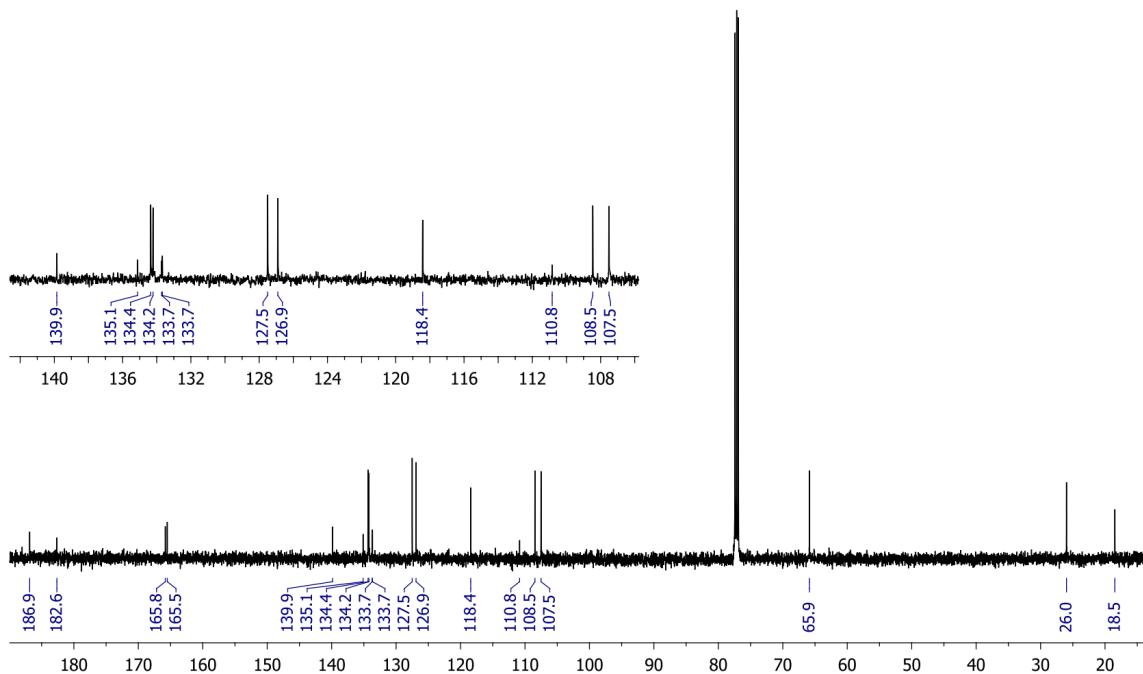


Figure S10. ^{13}C -NMR spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (4).

1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione, HSQC

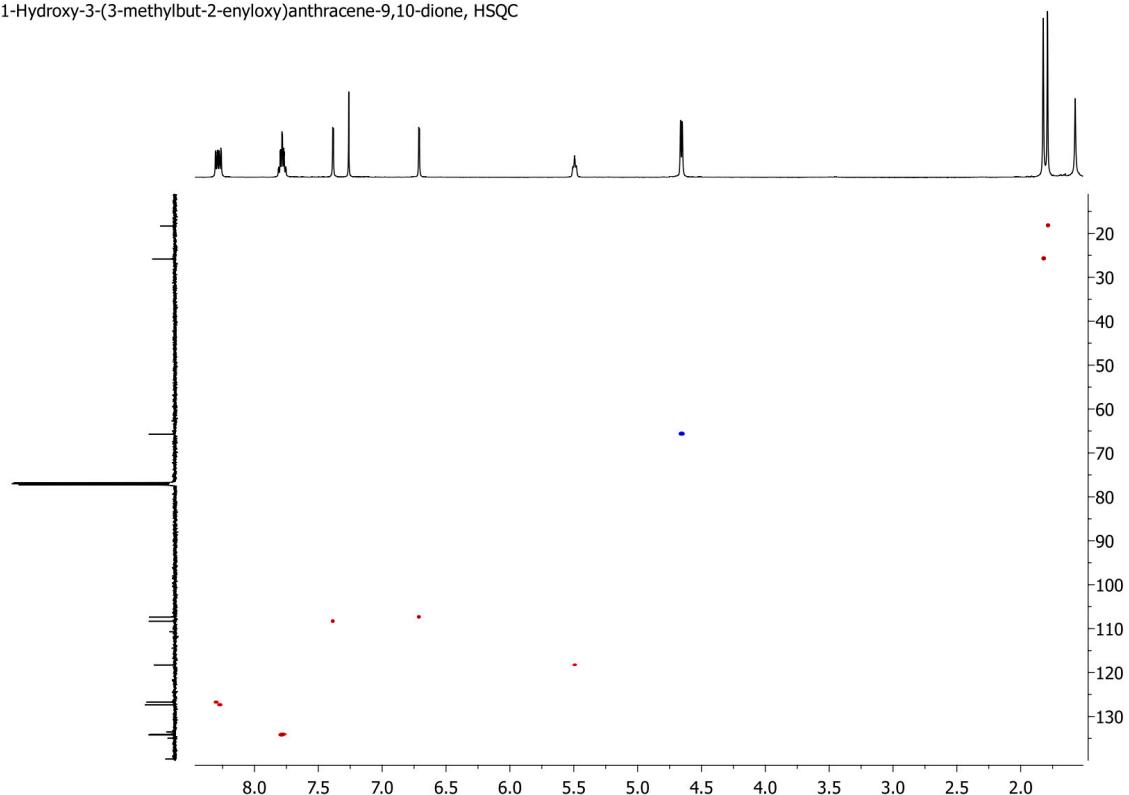
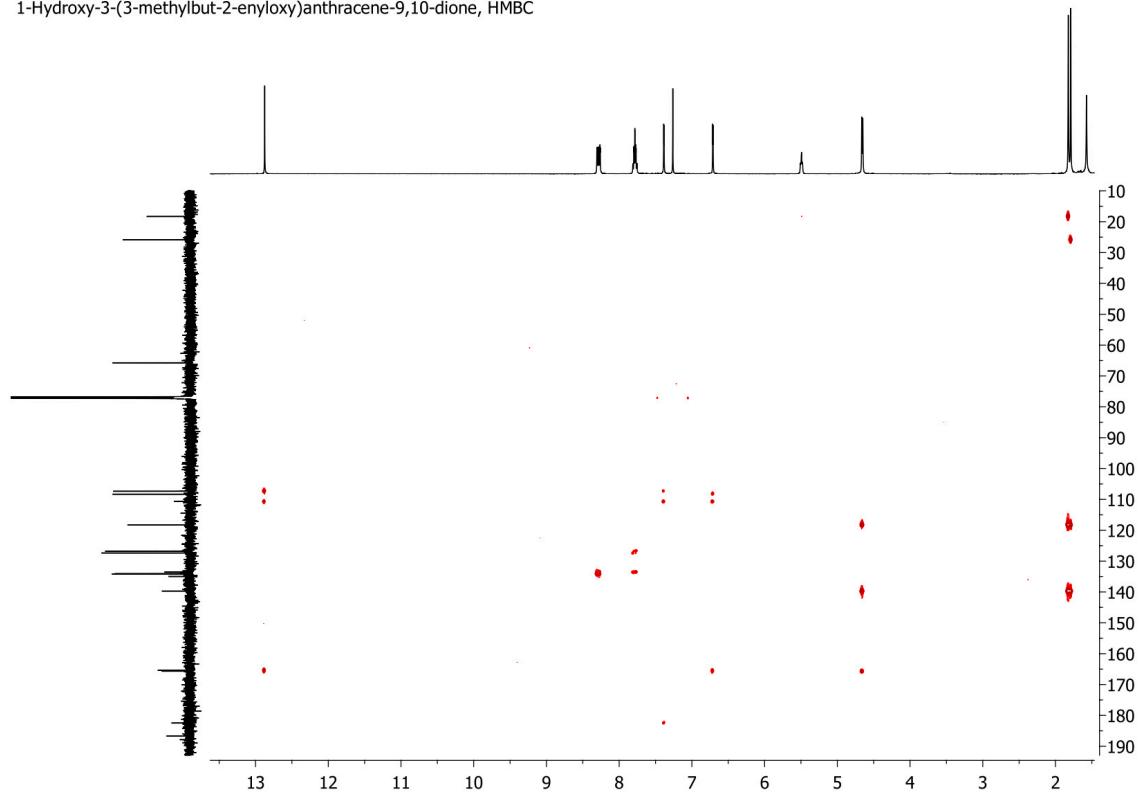
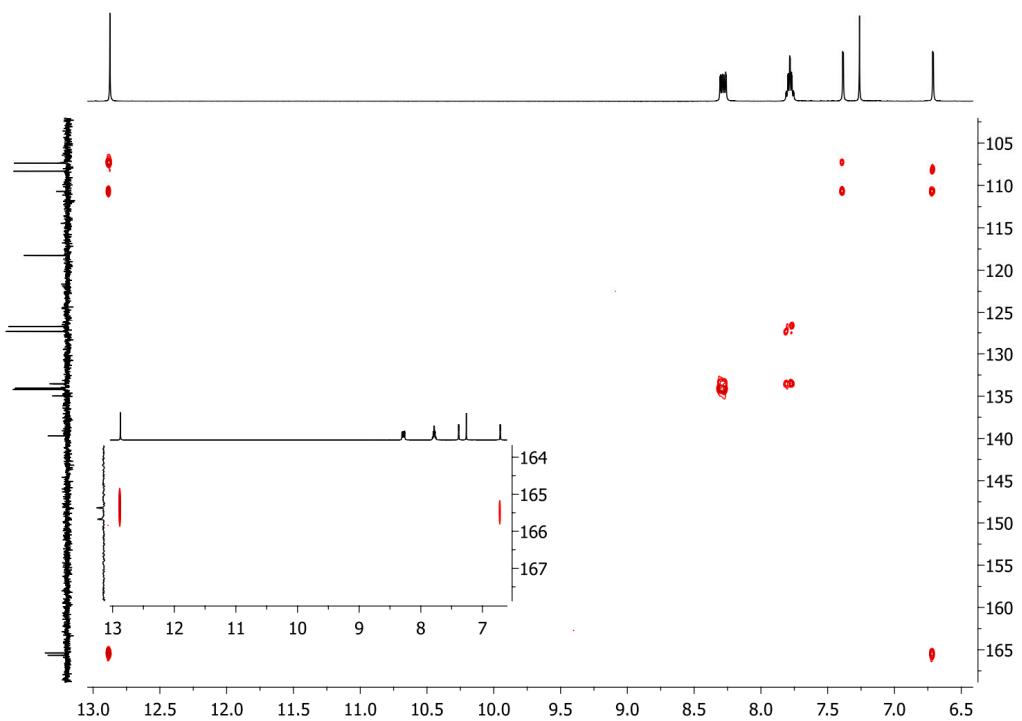


Figure S11. HSQC spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (4).

1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione, HMBC

**Figure S12.** HMBC spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (**4**).

1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione, HMBC

**Figure S13.** HMBC spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (**4**).

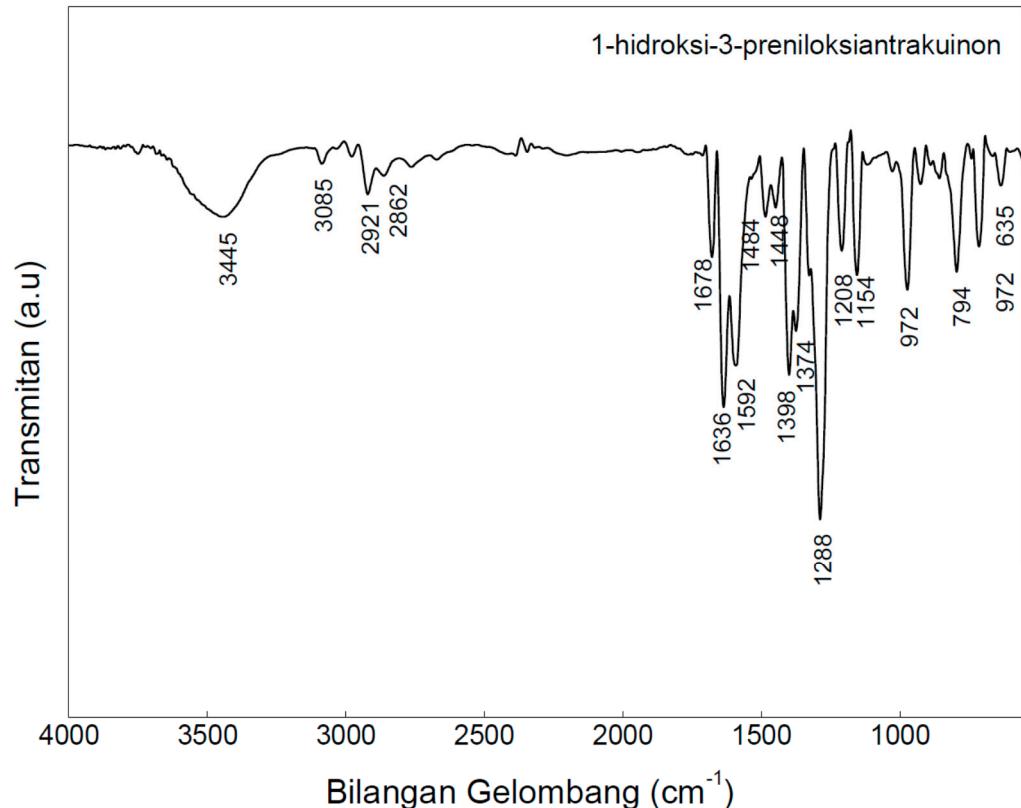


Figure S14. IR spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (4).

Elemental Composition Report

Page 1

Single Mass Analysis (displaying only valid results)

Tolerance = 10.0 mDa / DBE: min = 1.0, max = 30.0

Selected filters: None

Monoisotopic Mass, Even Electron Ions

96 formula(e) evaluated with 3 results within limits (up to 1 best isotopic matches for each mass)

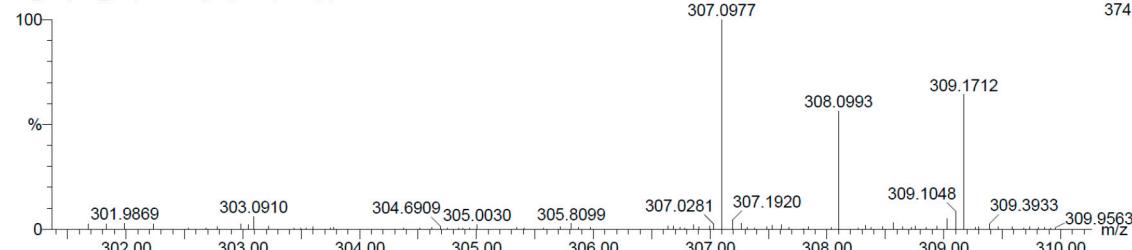
Elements Used:

C: 0-500 H: 0-1000 O: 0-20 Na: 0-1

standar

siti_seny_16_307,0970-neg 3 (0.037) Cm (3)

TOF MS ES-374



Minimum: 1.0
Maximum: 10.0 10.0 30.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
307.0977	307.0970	0.7	2.3	12.5	42.1	C19 H15 O4

Figure S15. HRESI-TOF mass spectrum of 1-Hydroxy-3-(3-methylbut-2-enyloxy)anthracene-9,10-dione (4).