

Supporting Information

Inhibition of carbonic anhydrases with glycosyltriazole benzene sulfonamides

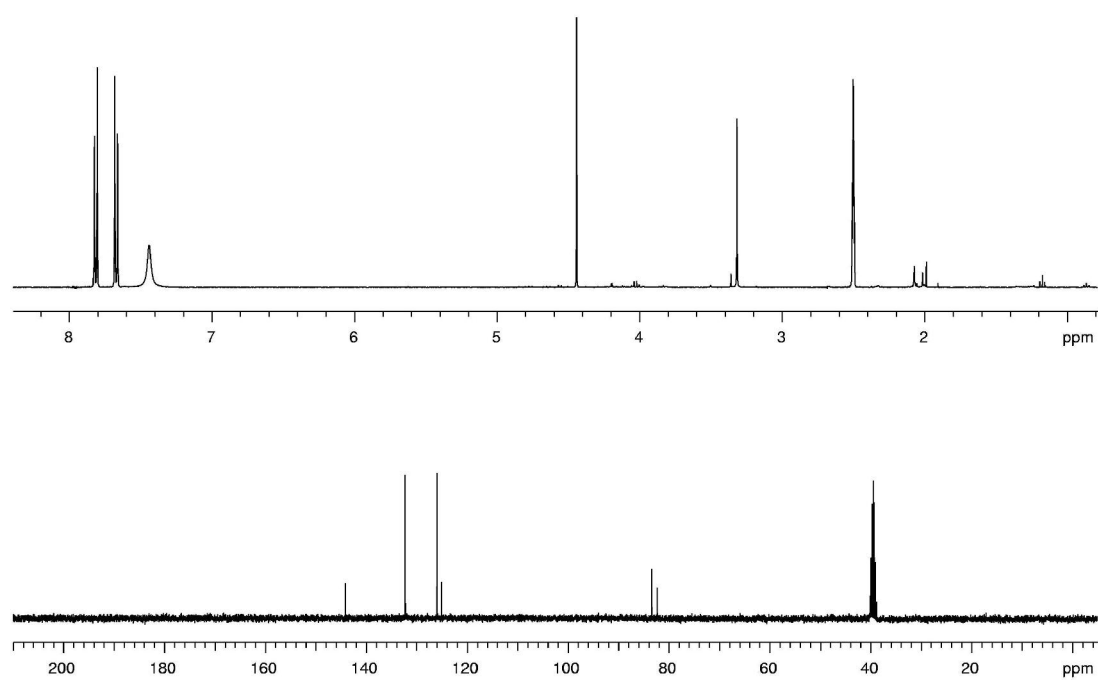
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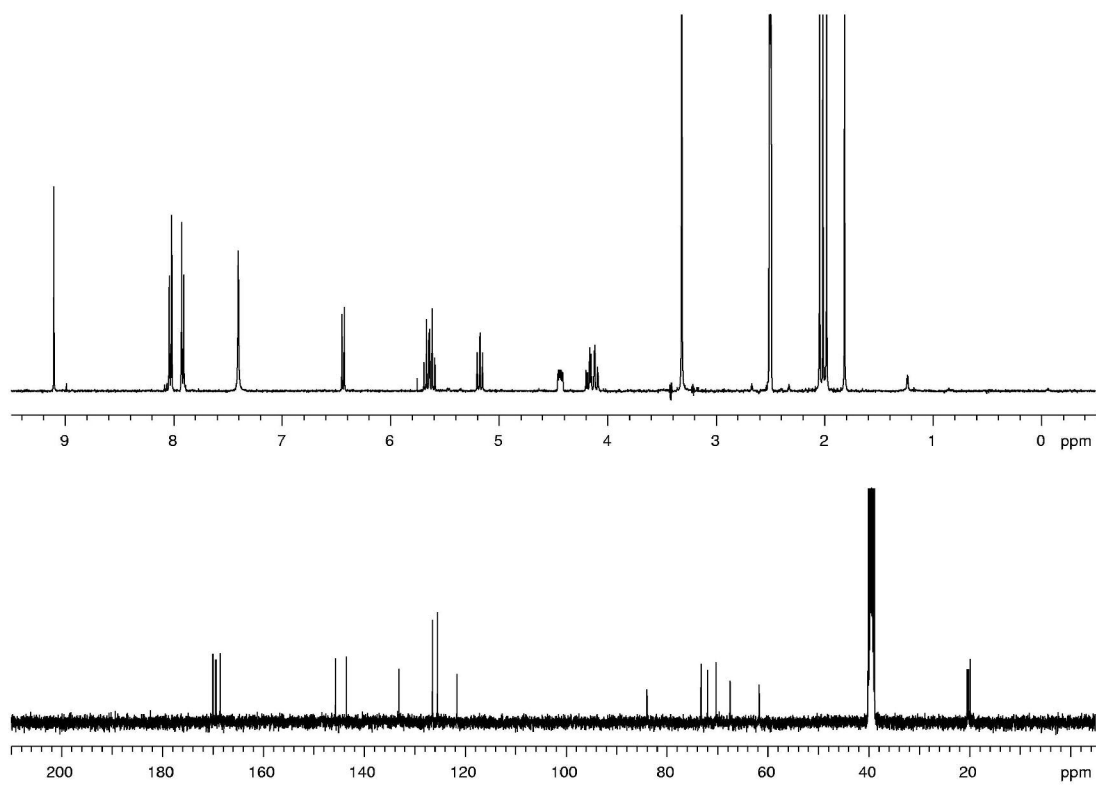
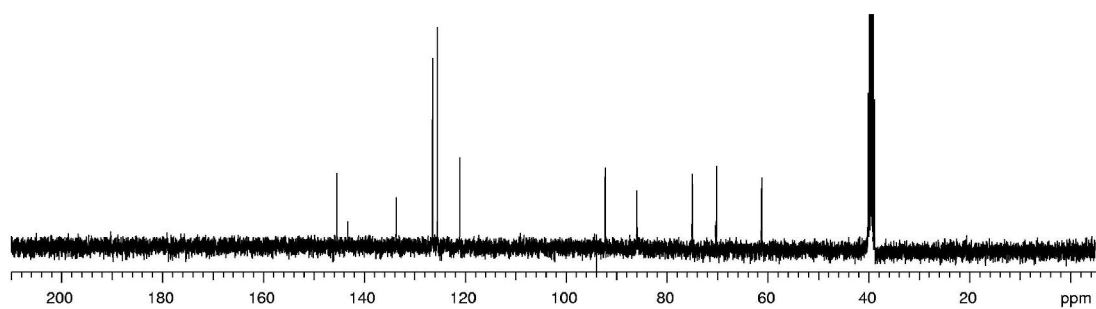
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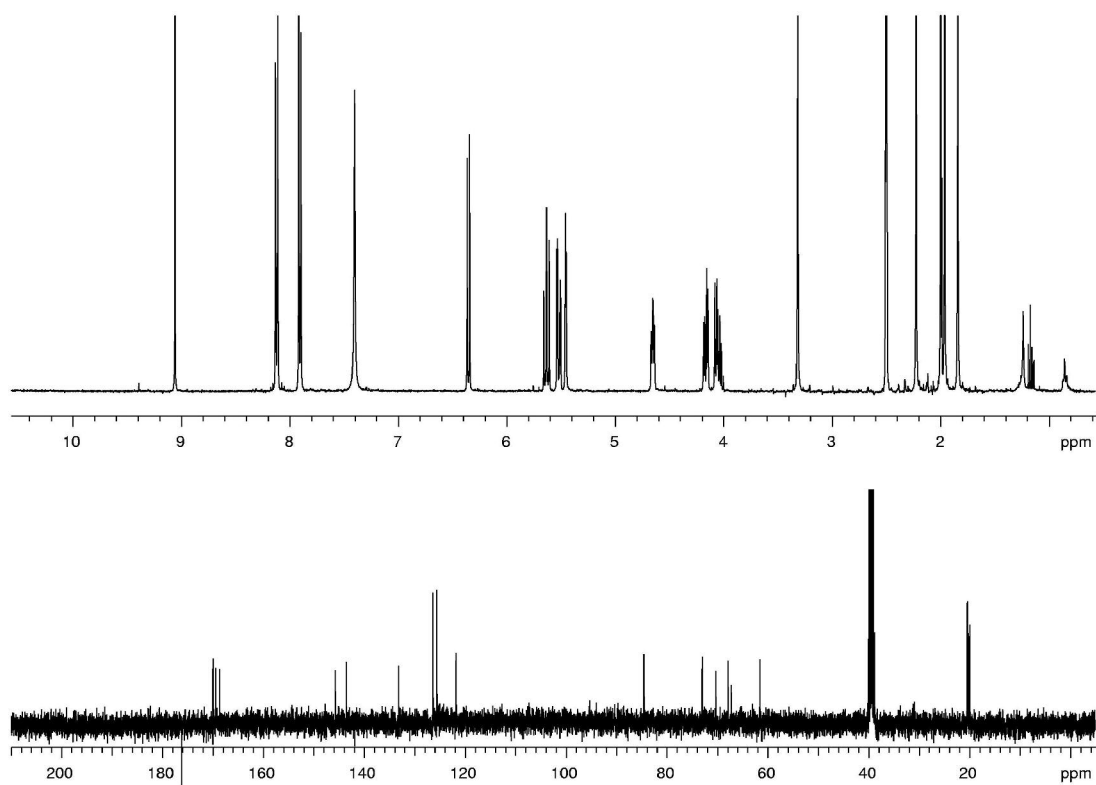
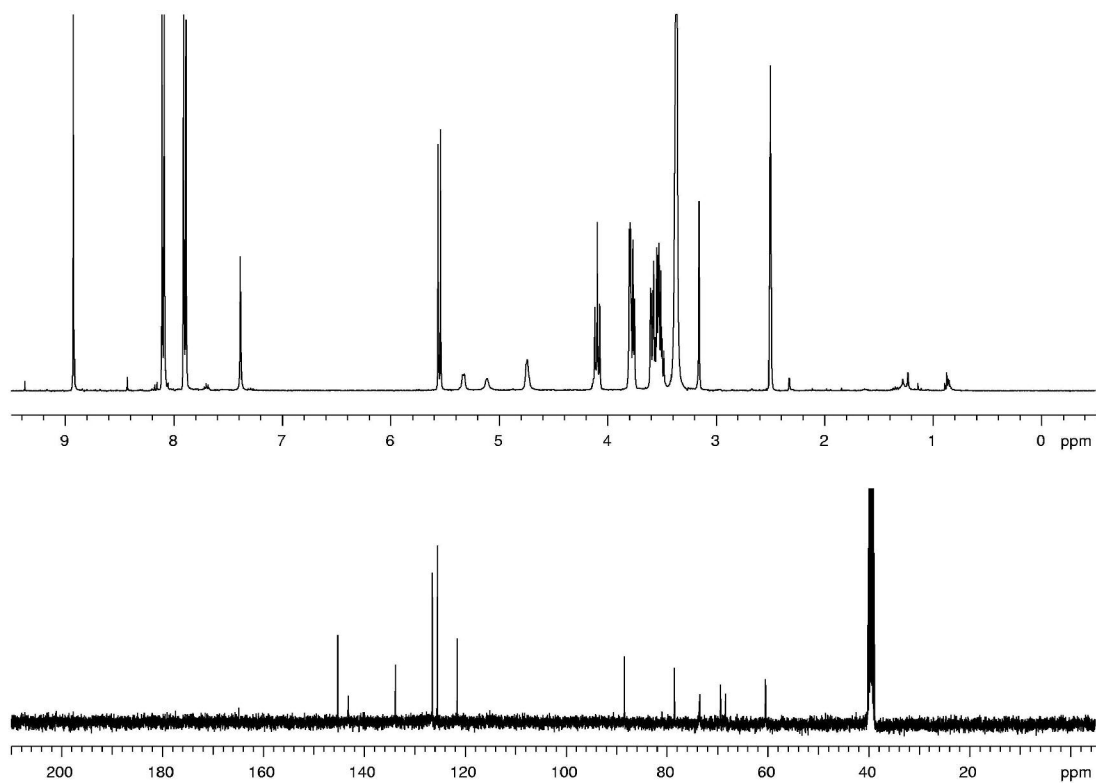
S2	Elemental Analyses Data for protected glycosyltriazole benzene sulfonamides
S3	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compound 1
S4	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compounds 2 and 10
S5	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compound 3 and 11
S6	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compound 4 and 12
S7	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compound 5 and 13
S8	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compound 6 and 14
S9	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compound 7 and 15
S10	¹ H NMR (400 MHz), ¹³ C{ ¹ H} NMR (100 MHz) spectra for compound 8 and 16
S11	¹ H NMR (300 MHz), ¹³ C{ ¹ H} NMR (75 MHz) spectra for compound 9 and 17

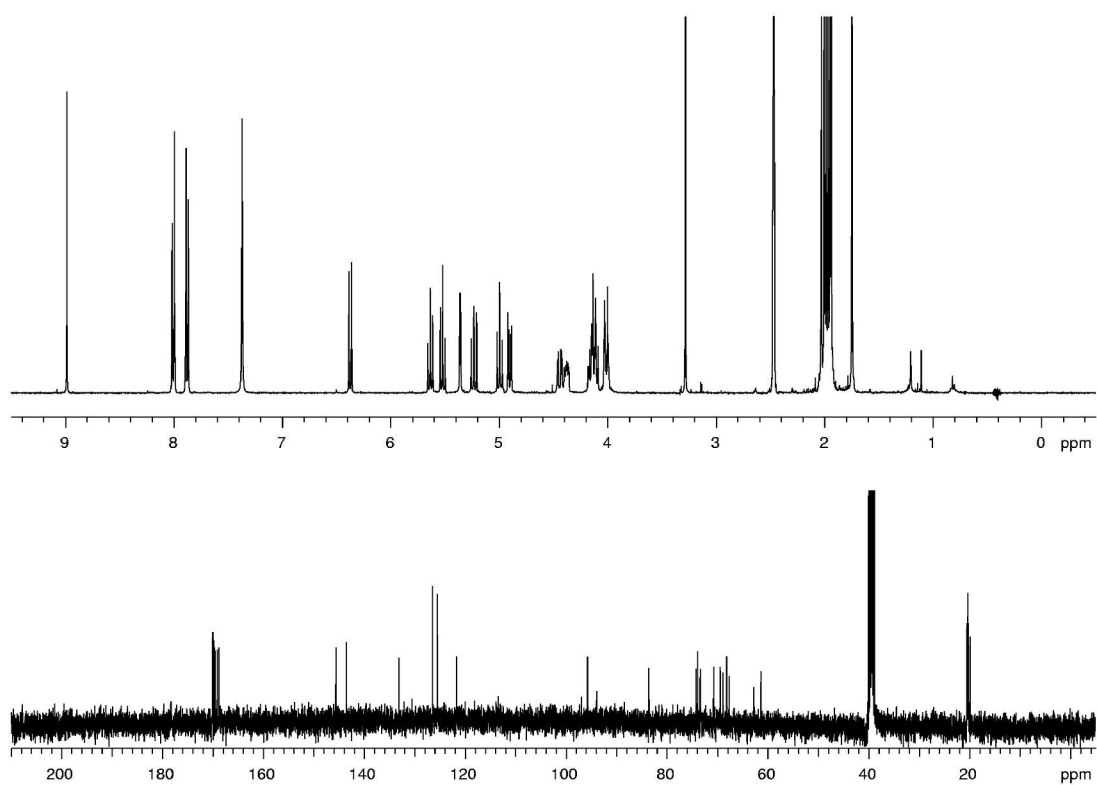
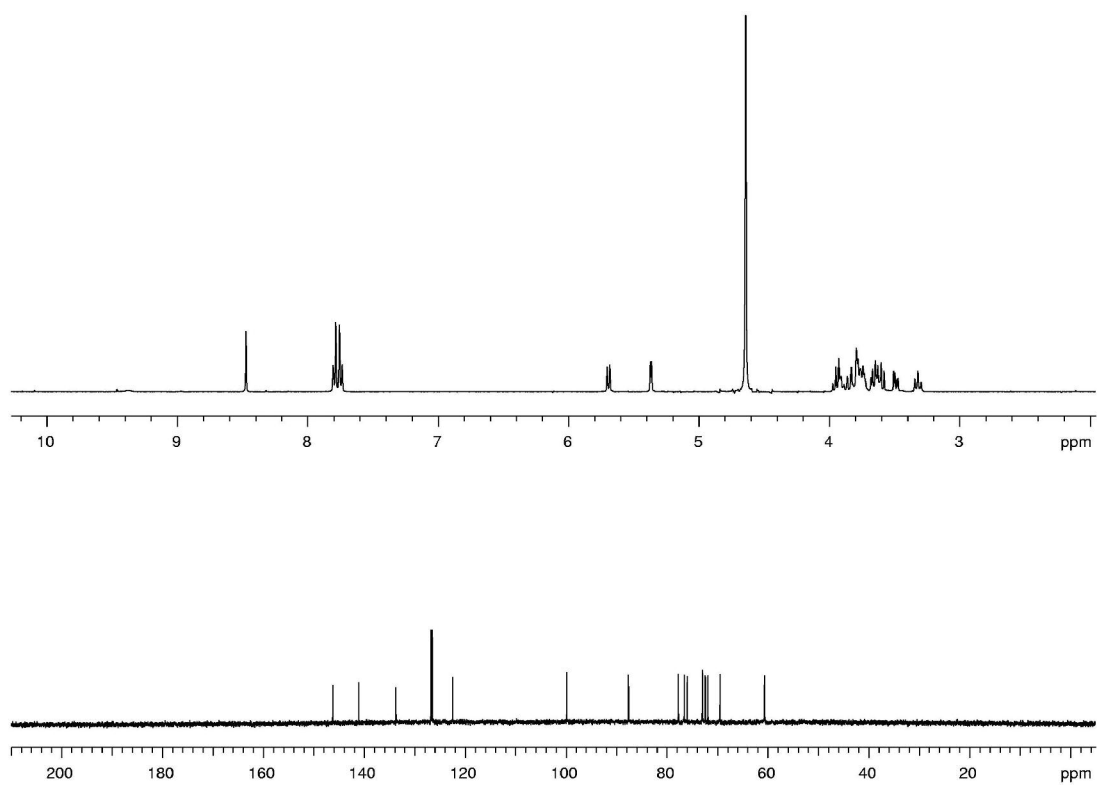
Elemental Analyses Data

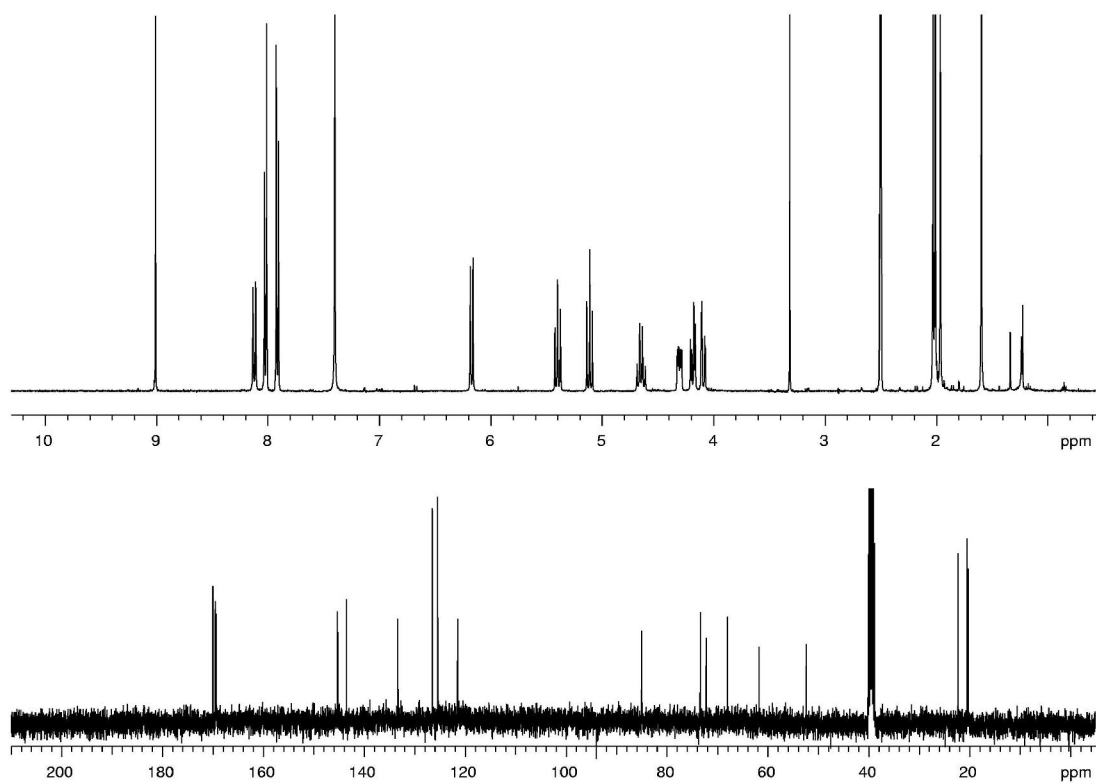
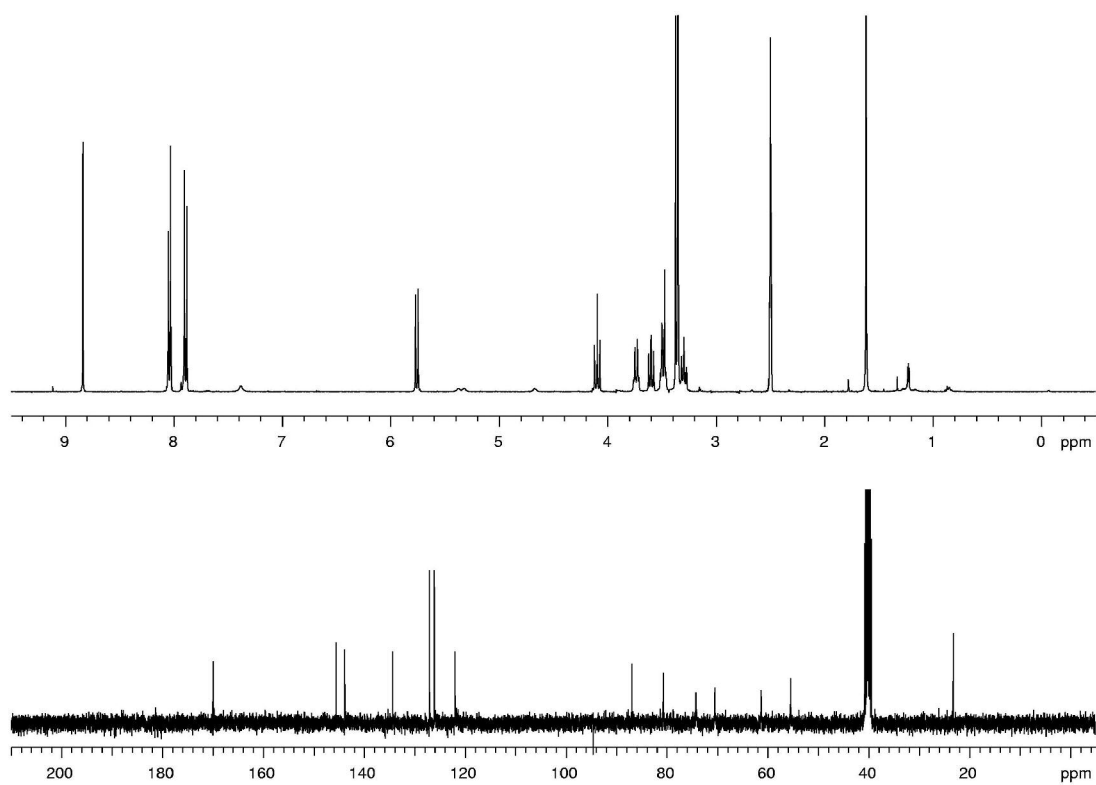
Compd	Formula	Calculated	Found
2	$C_{22}H_{26}N_4O_{11}S \cdot 2H_2O$	C, 44.74; H, 5.12; N, 9.49; S, 5.43	C, 44.79; H, 4.64; N, 9.28; S, 5.16
3	$C_{22}H_{26}N_4O_{11}S$	C, 47.65; H, 4.73; N, 10.10; S, 5.78	C, 47.27; H, 4.72; N, 9.67; S, 5.51
4	$C_{34}H_{42}N_4O_{19}S$	C, 48.45; H, 5.02; N, 6.65; S, 3.80	C, 48.21; H, 4.93; N, 6.64; S, 3.40
5	$C_{22}H_{27}N_5O_{10}S$	C, 47.74; H, 4.92; N, 12.65; S, 5.79	C, 47.82; H, 4.97; N, 12.18; S, 5.45
7	$C_{34}H_{28}N_4O_9S$	C, 61.07; H, 4.22; N, 8.38; S, 4.80	C, 60.61; H, 4.11; N, 8.47; S, 4.65.

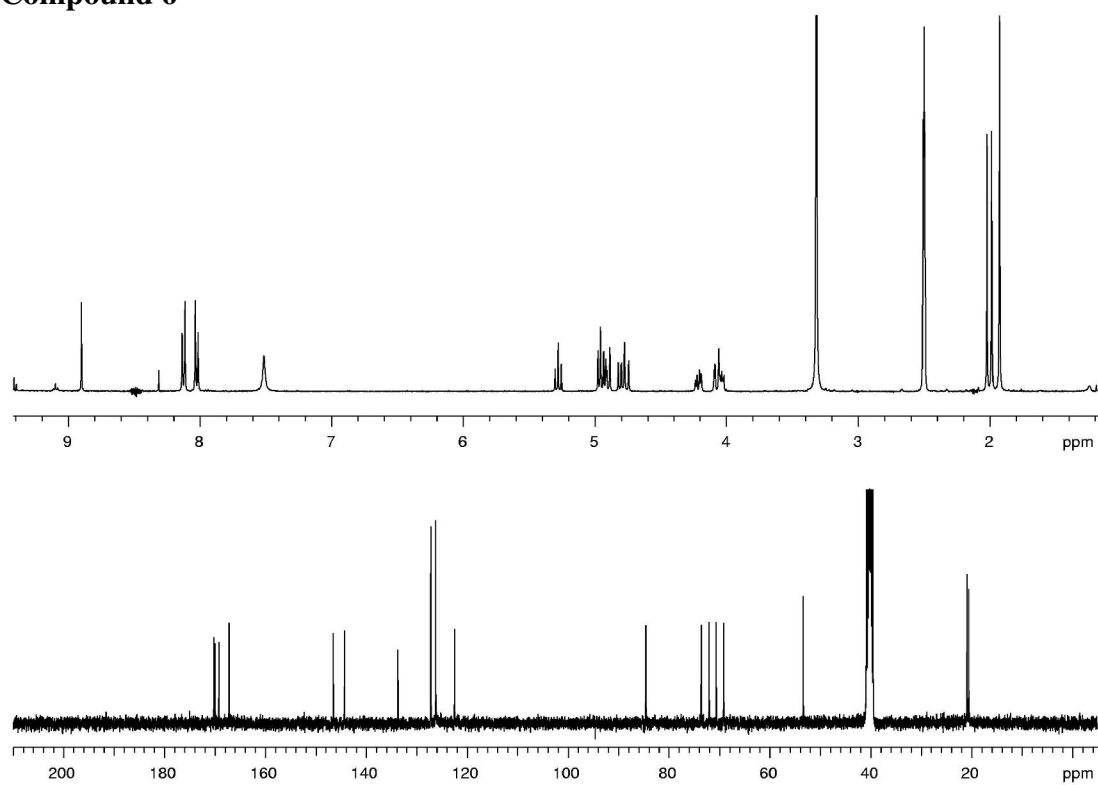
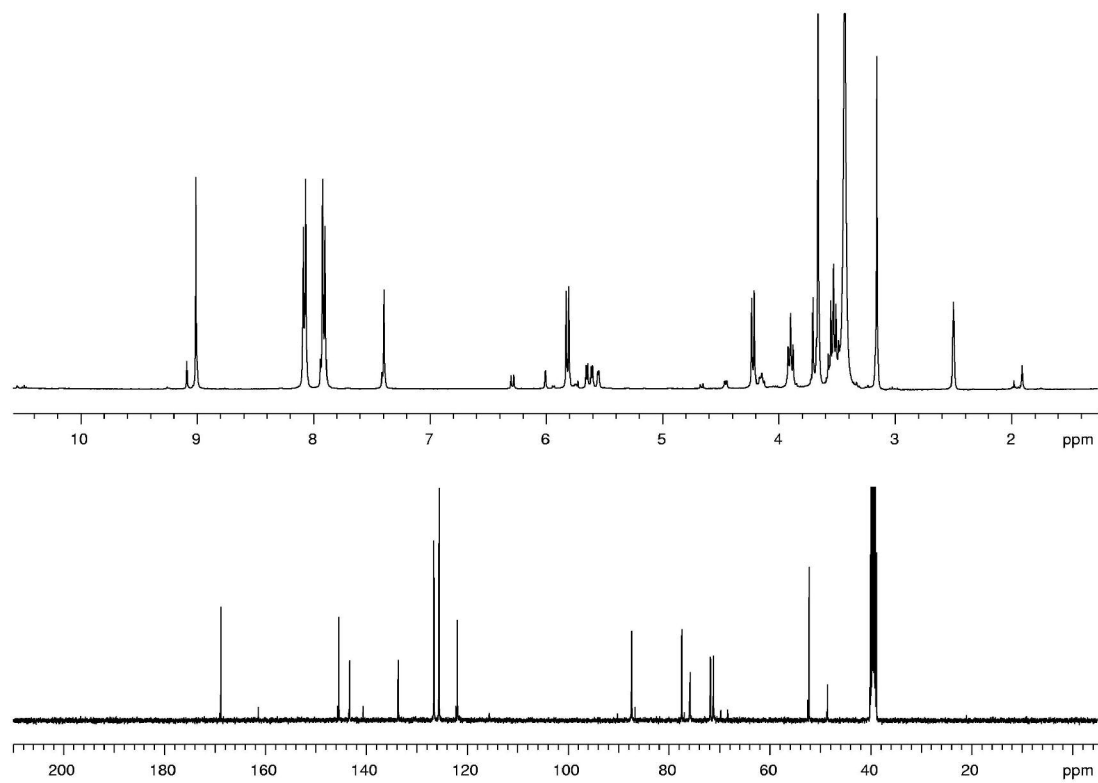
Compound 1

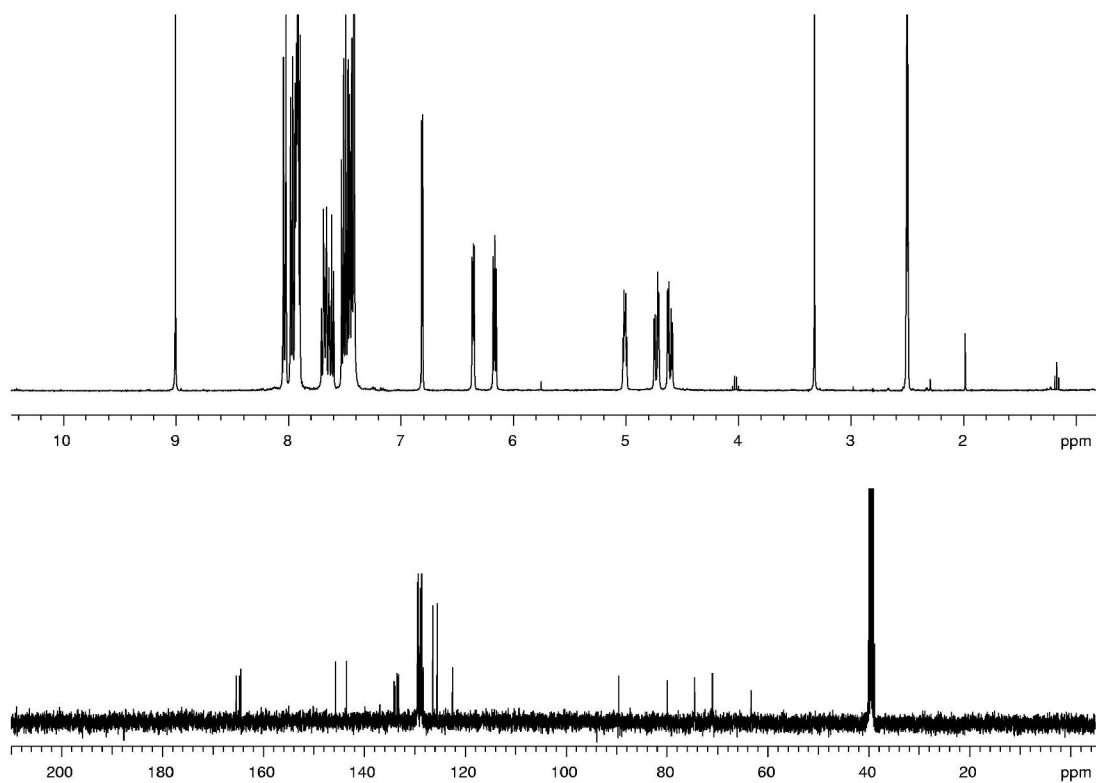
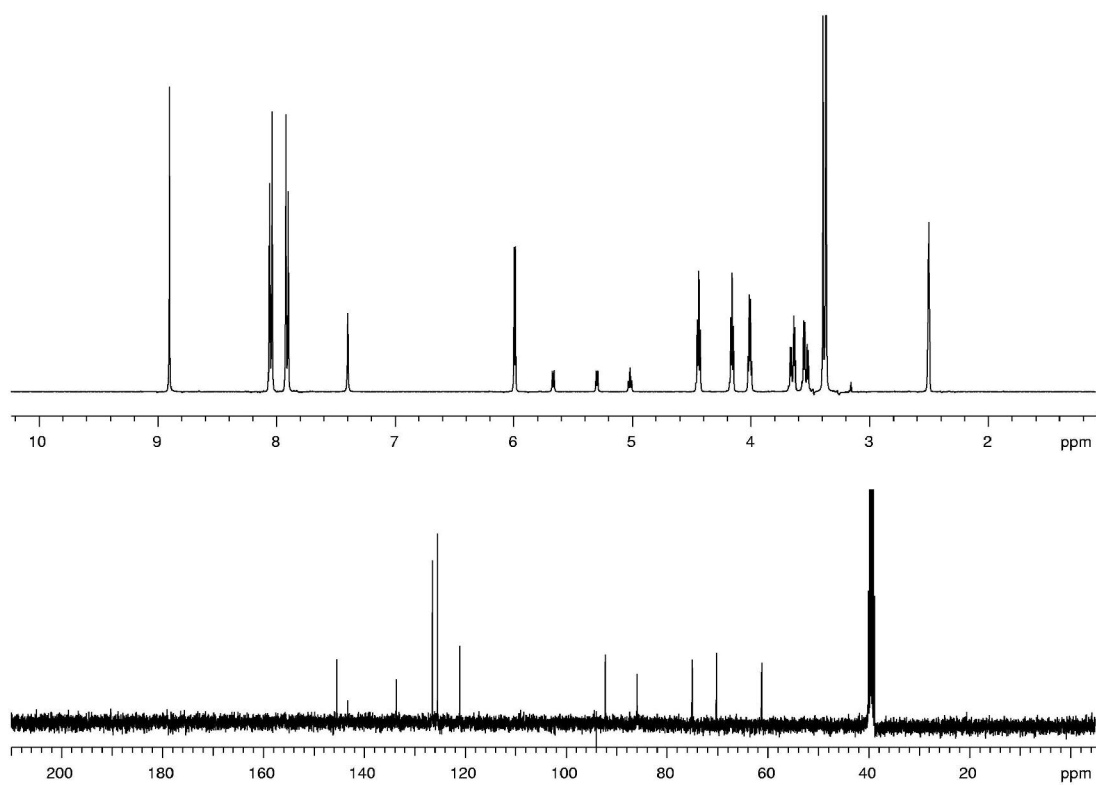
Compound 2**Compound 10**

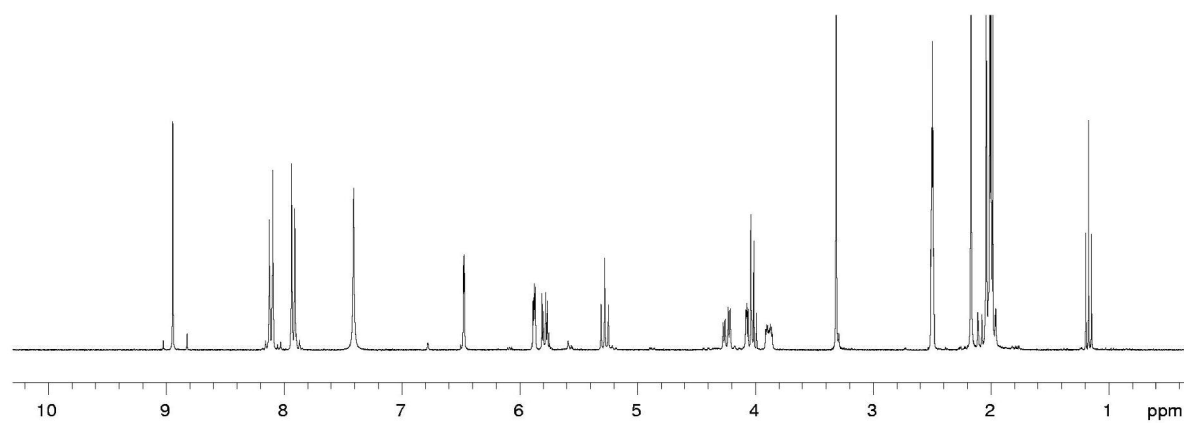
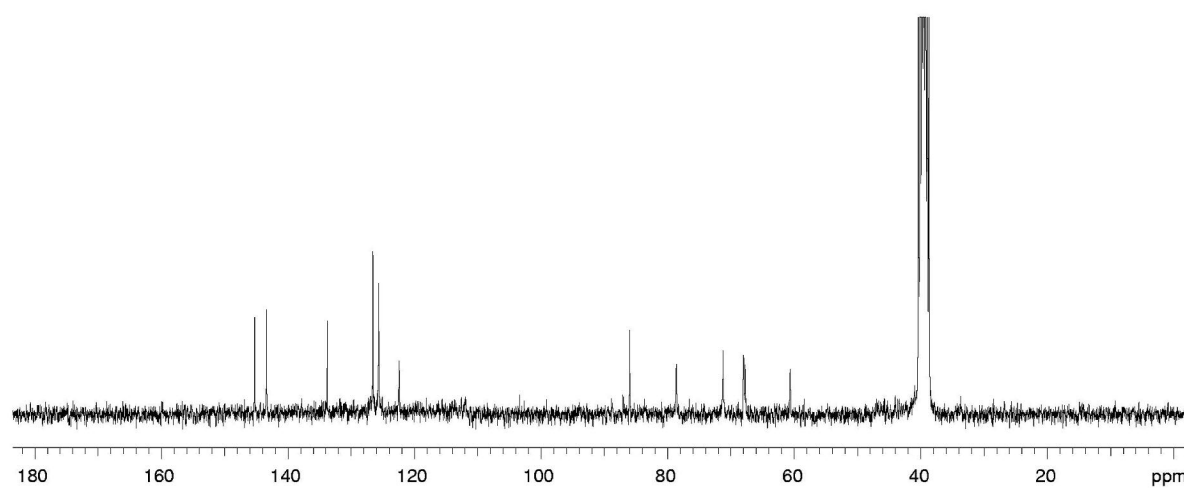
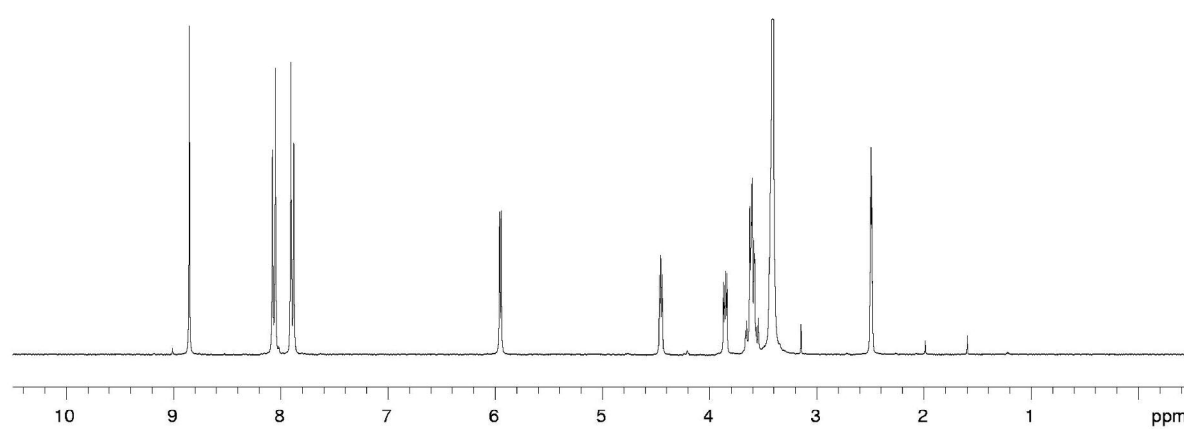
Compound 3**Compound 11**

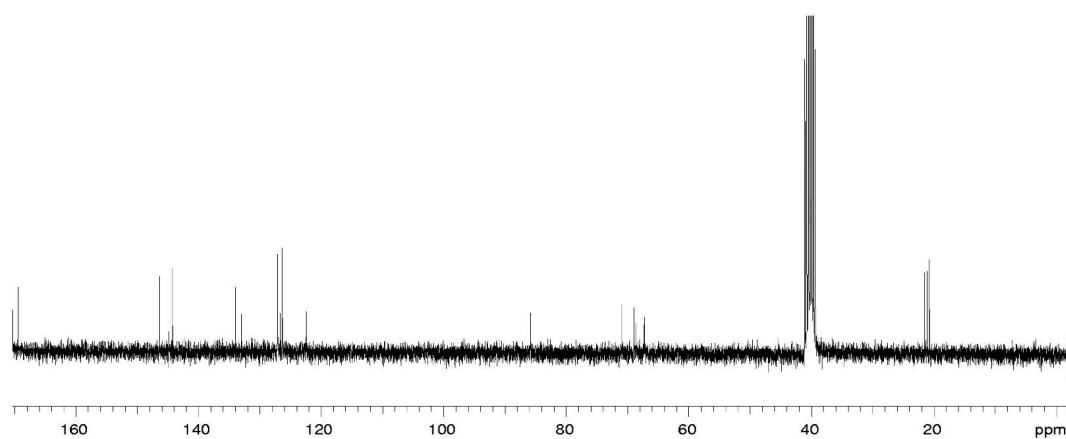
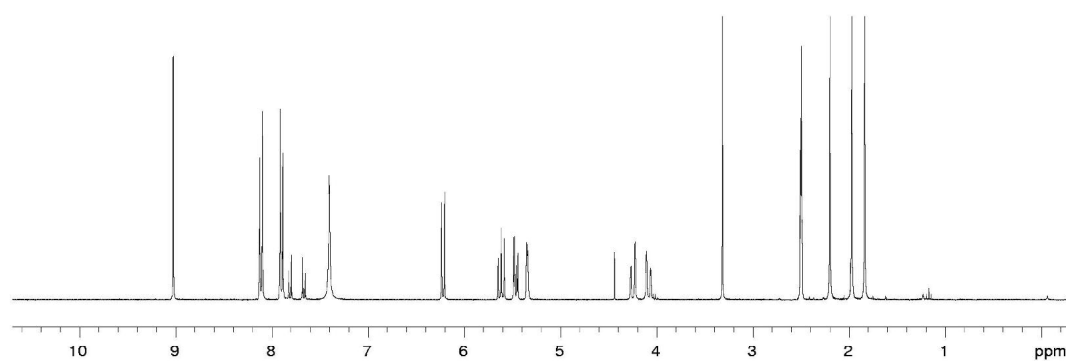
Compound 4**Compound 12**

Compound 5**Compound 13**

Compound 6**Compound 14**

Compound 7**Compound 15**

Compound 8**Compound 16**

Compound 9**Compound 17**