



# Surface Modification and Enhancement of Ferromagnetism in BiFeO<sub>3</sub> Nanofilms Deposited on HOPG

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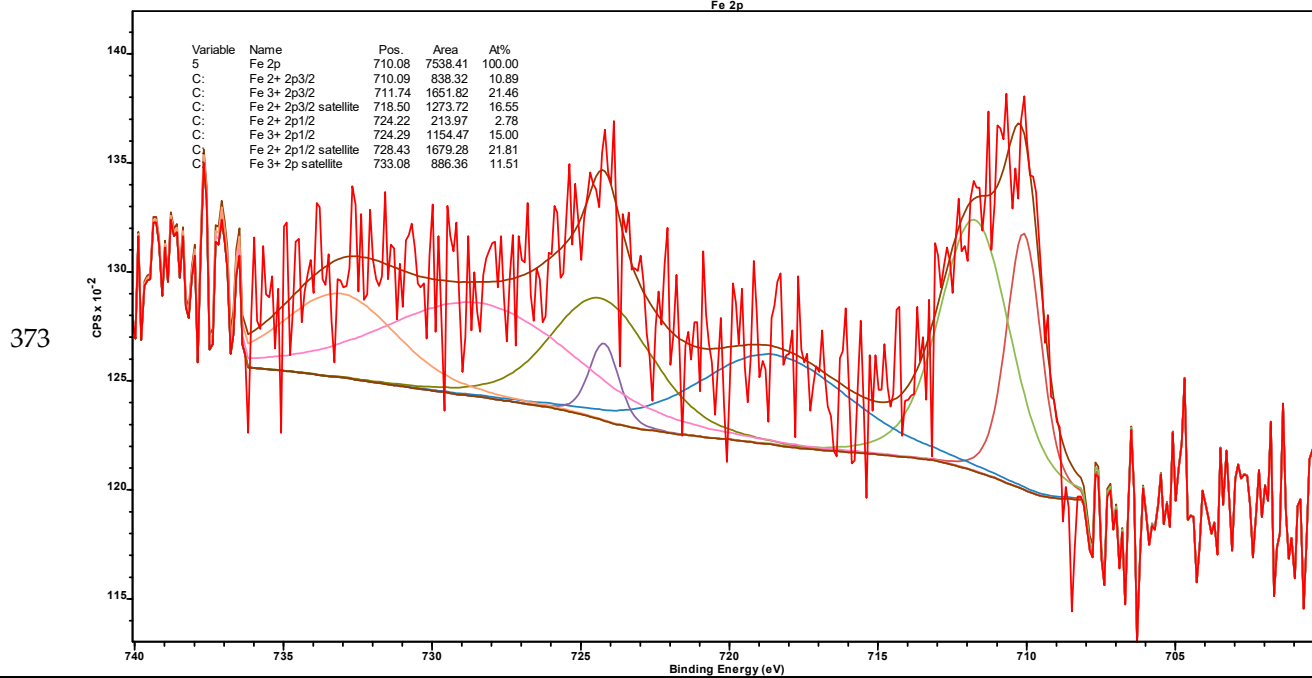
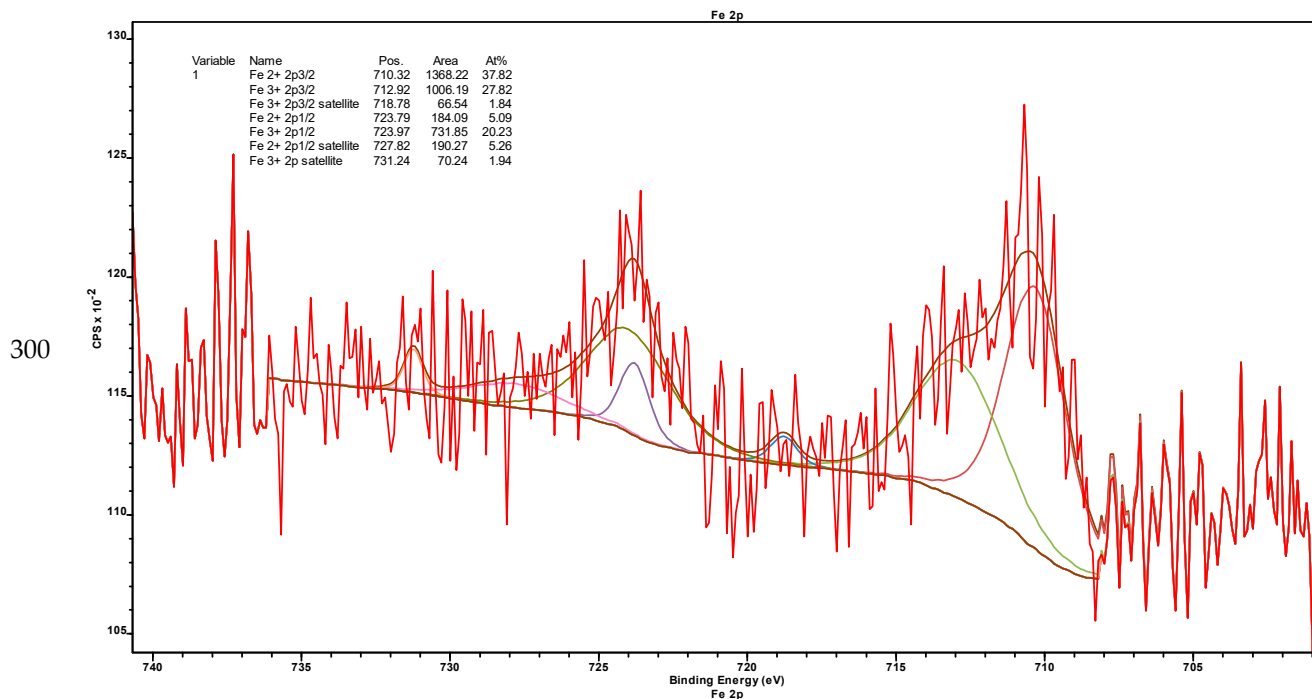
\* Correspondence: kasparp@feec.vutbr.cz; Tel: +420-54114-6009

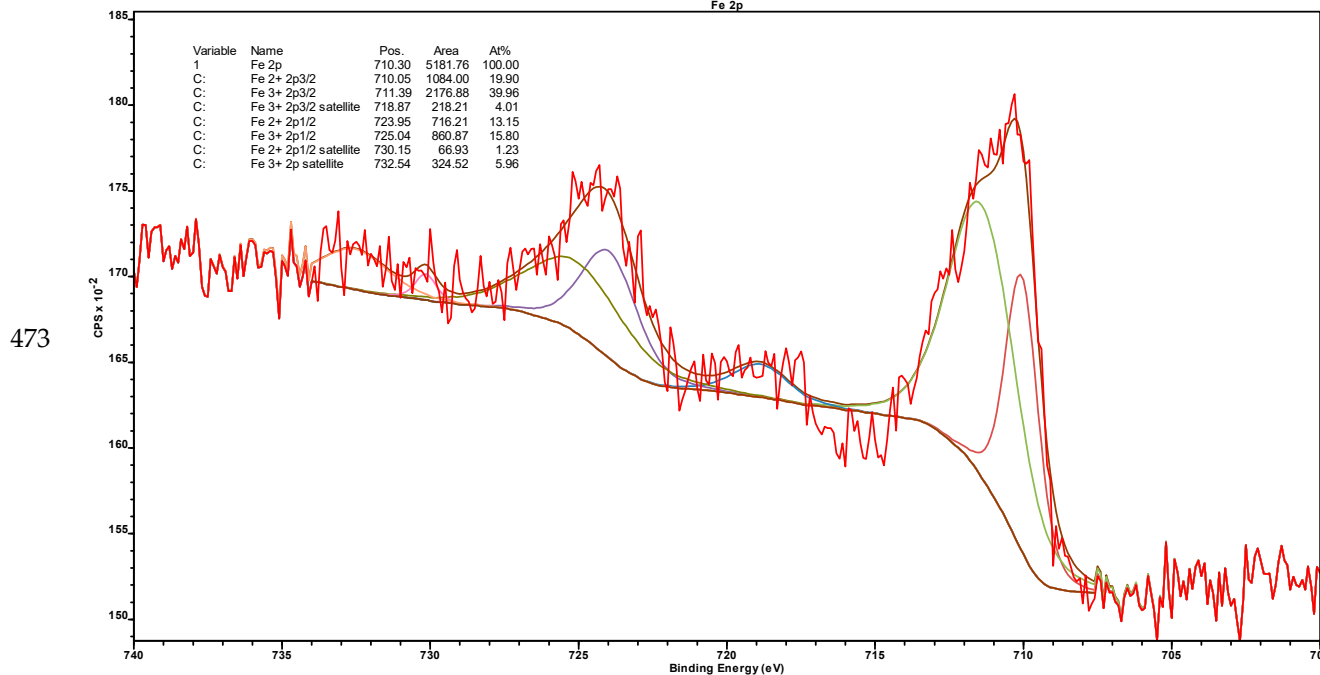
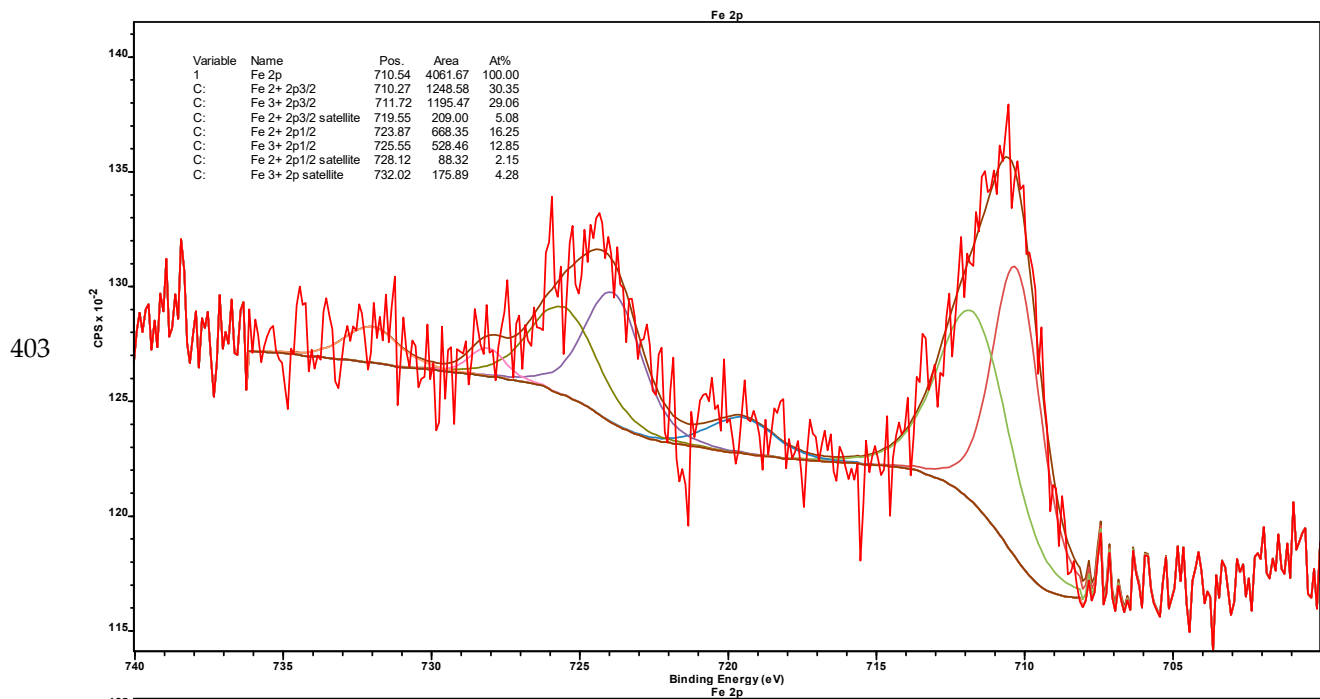
## 3.2. X-ray Photoelectron Spectroscopy (XPS) Analysis

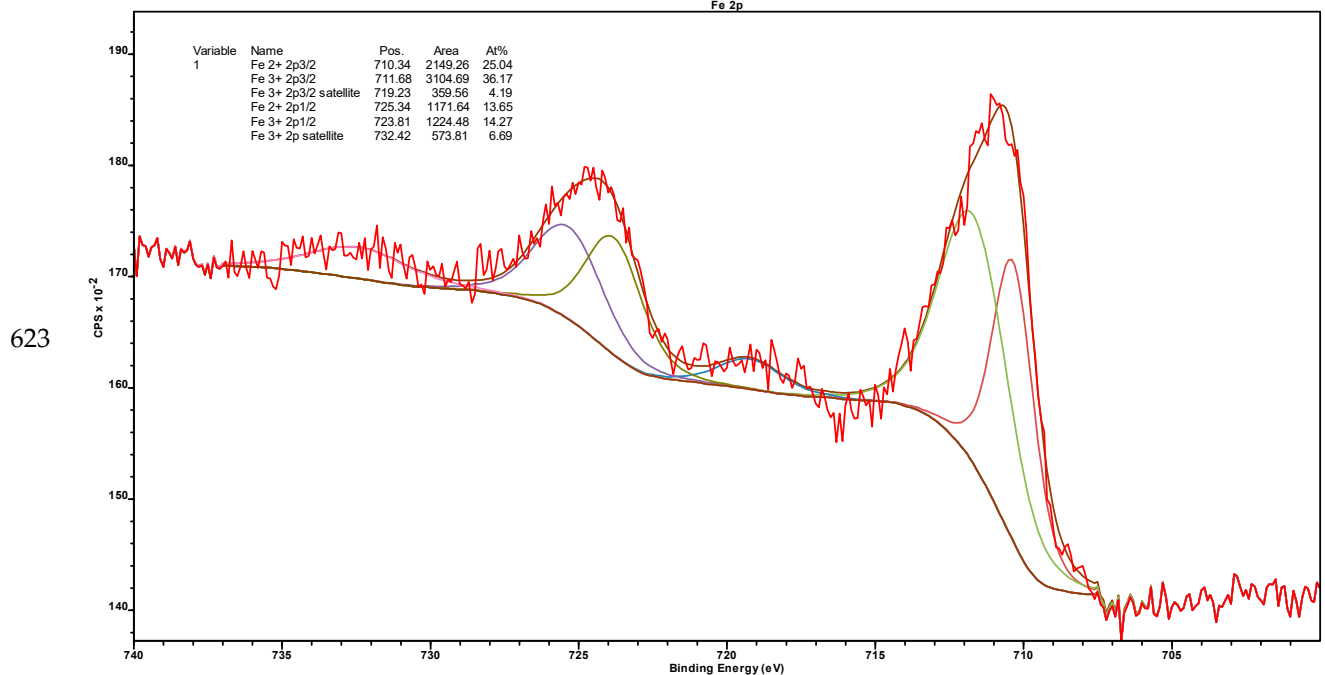
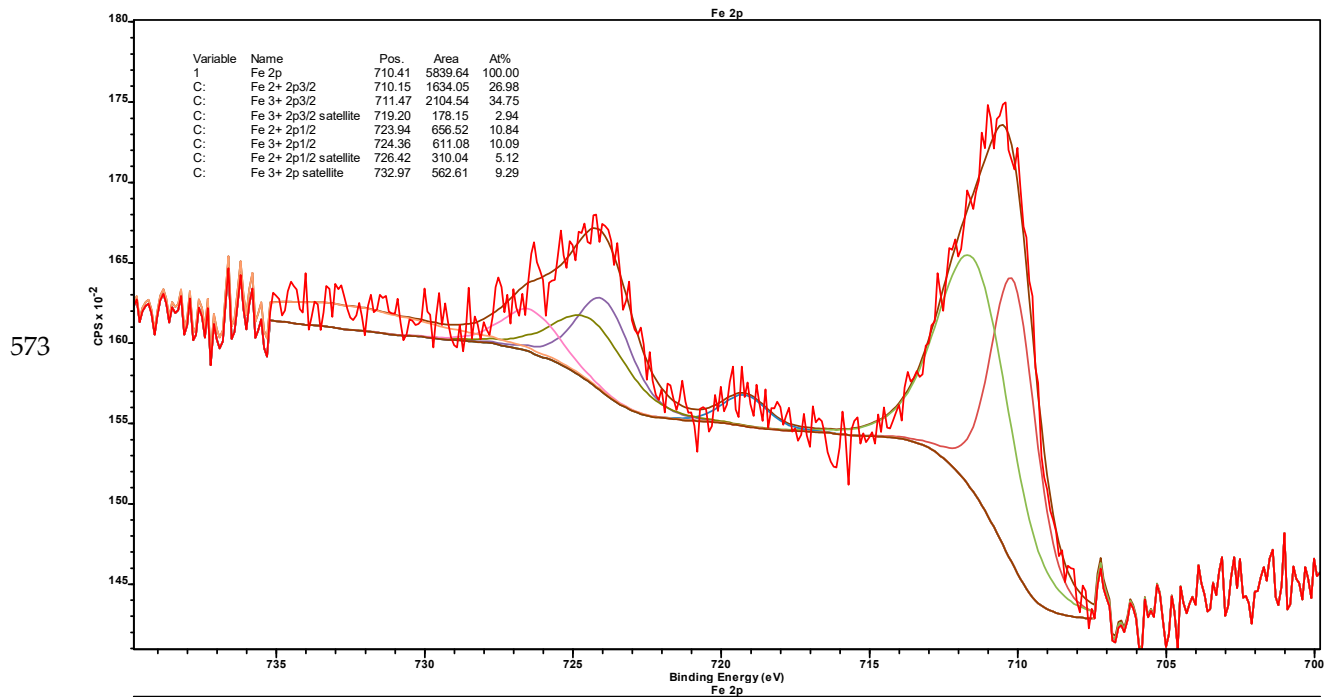
Detailed description of XPS spectra of all components depending on the annealing temperature of the obtained structure Fe 2p, Bi 4f, O 1s, C 1s. The deconvolution of the peaks was carried out using Casa XPS software Version 2.3.19PR1.0 (Casa Software Ltd, Wilmslow, UK). The spectra were calibrated by C1s at 284.8 eV and we used Shirley background type and Asymmetric line-shape (LA) of component peaks.

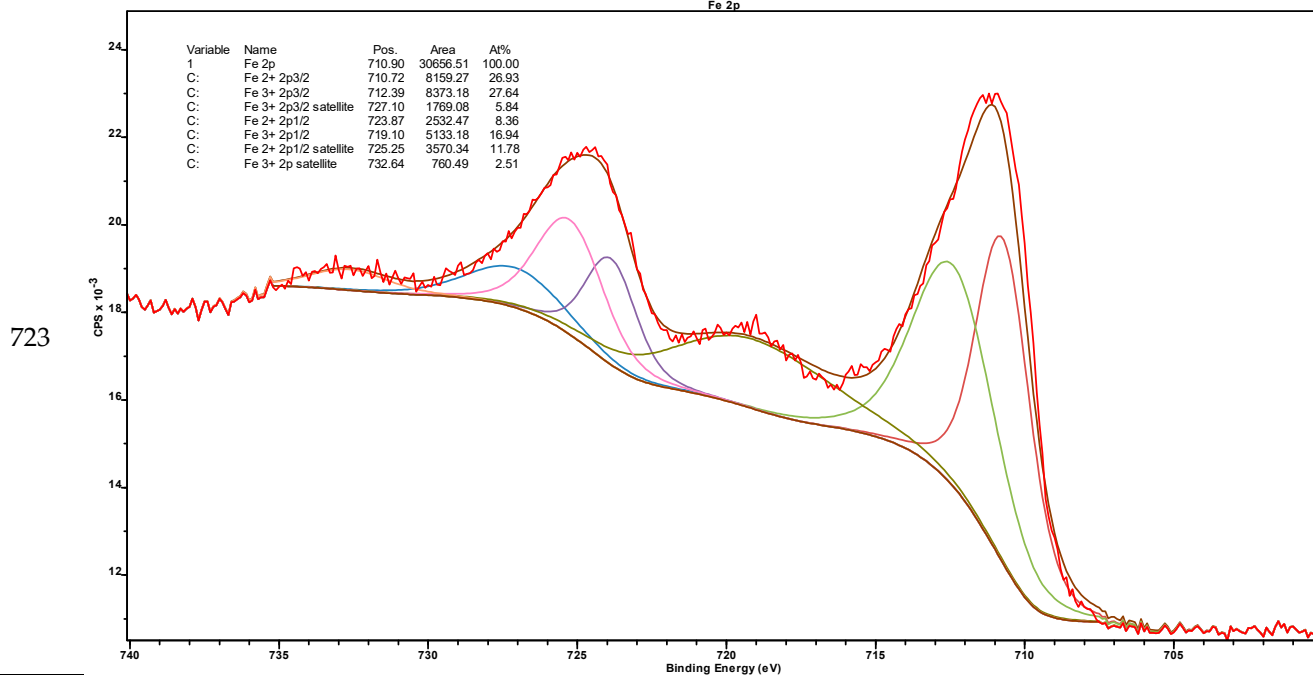
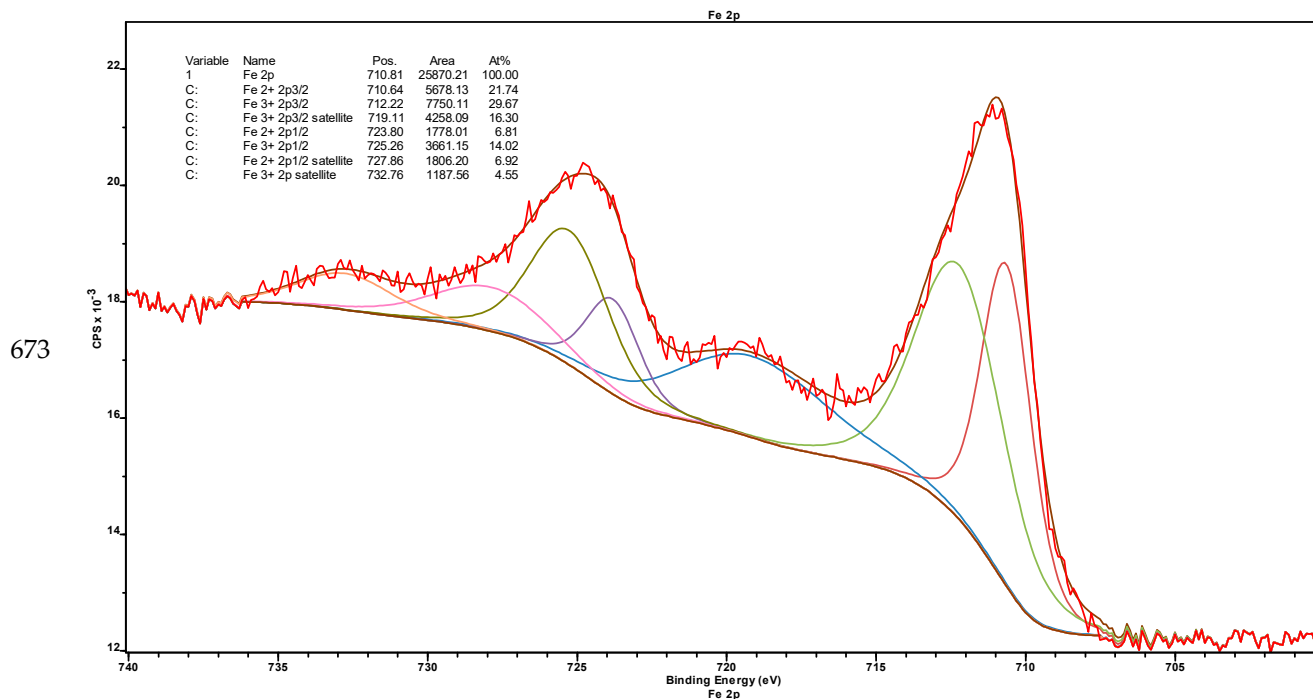
**Table S1.** XPS spectra of Fe 2p, Bi 4f, O 1s, C 1s components depending on the annealing temperature.

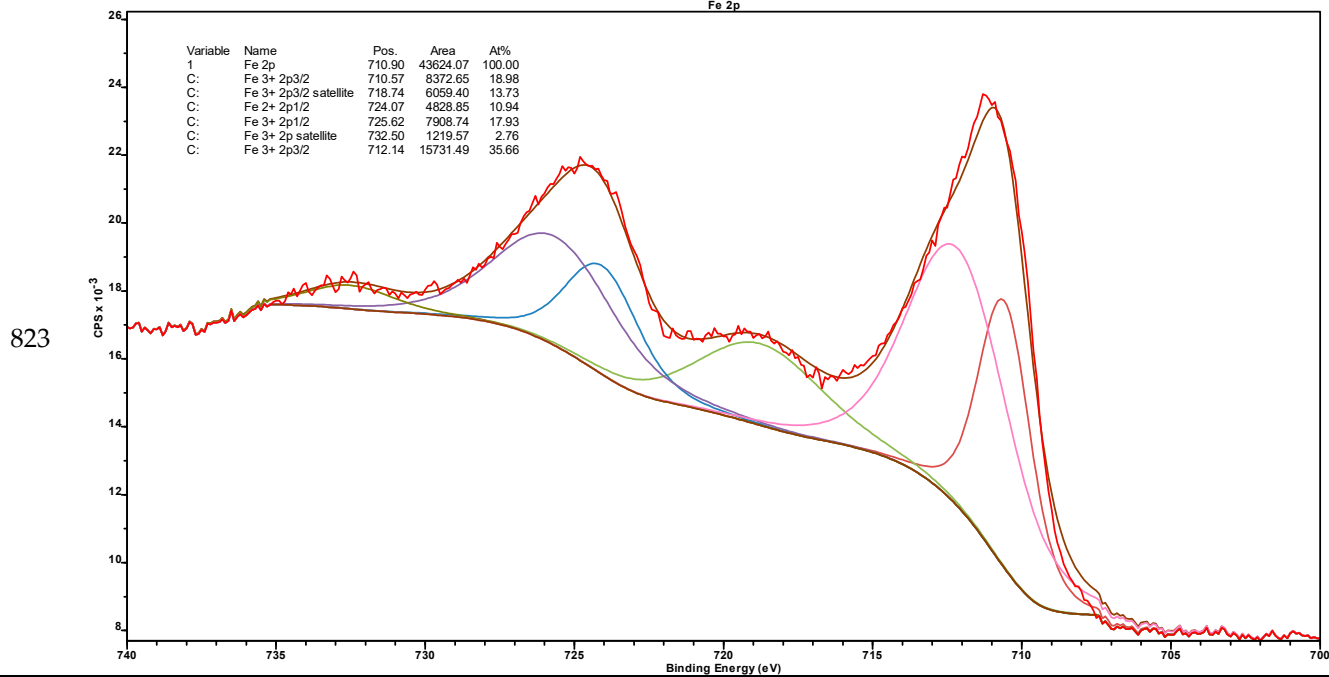
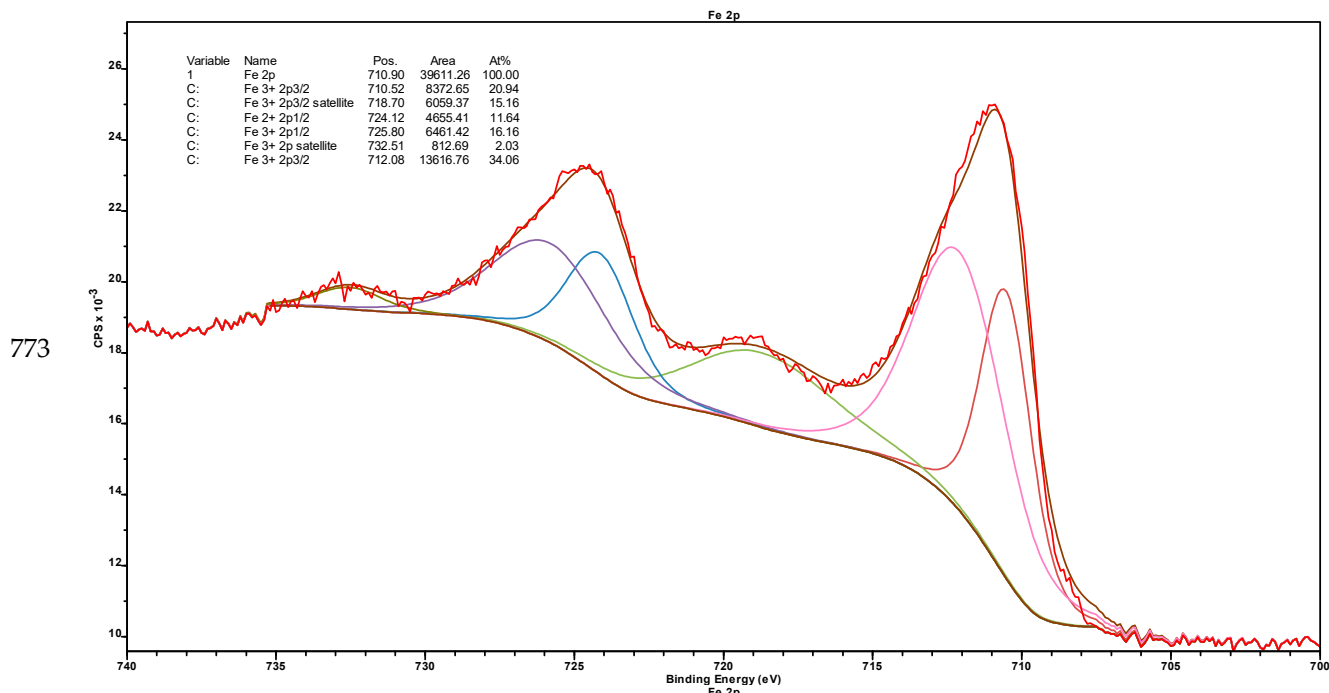
	Fe 2p
T (K)	

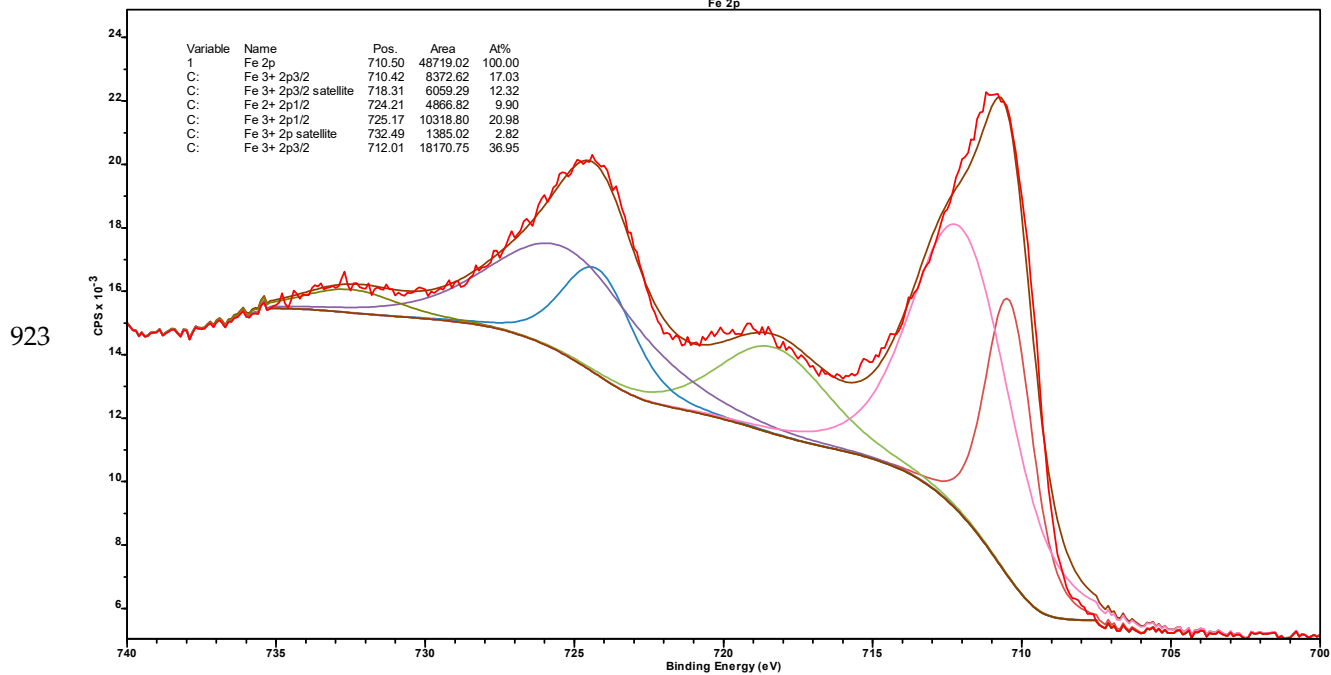
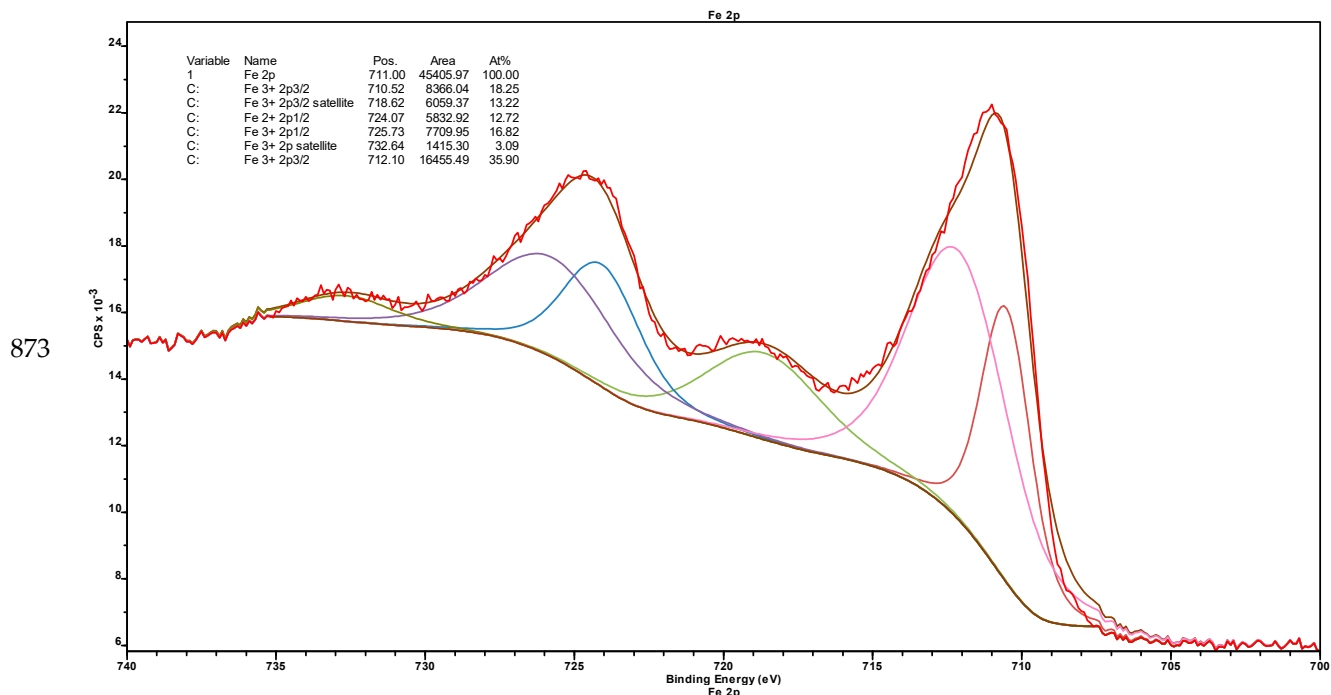






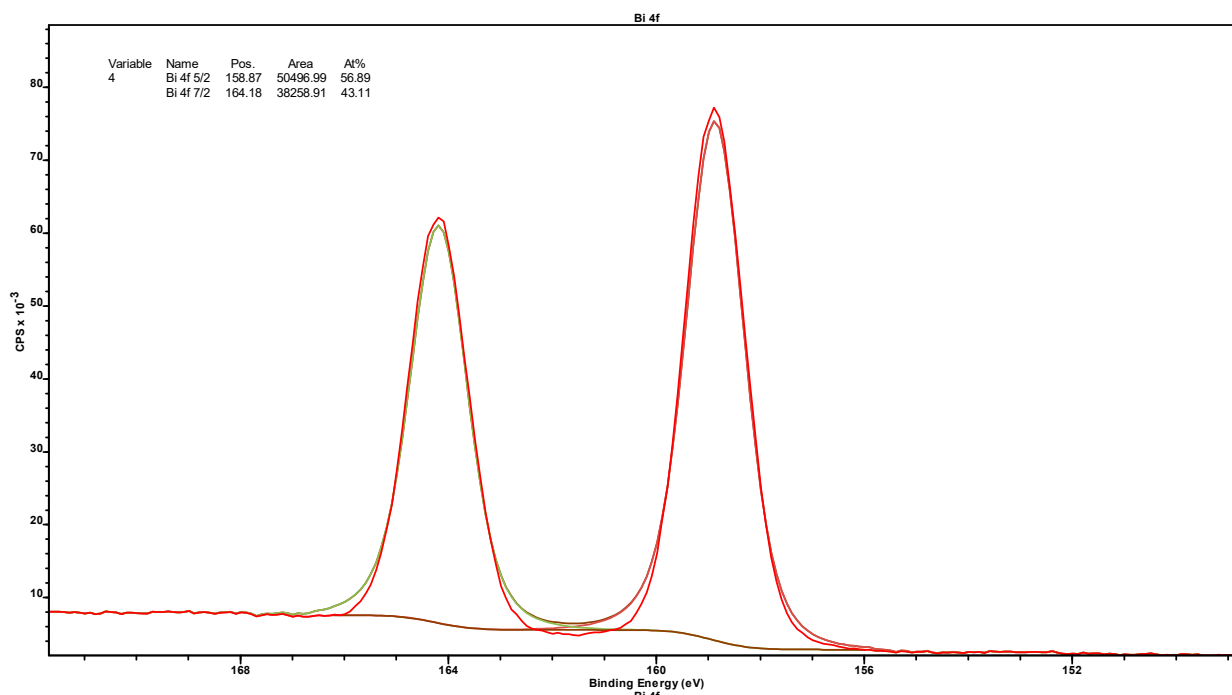






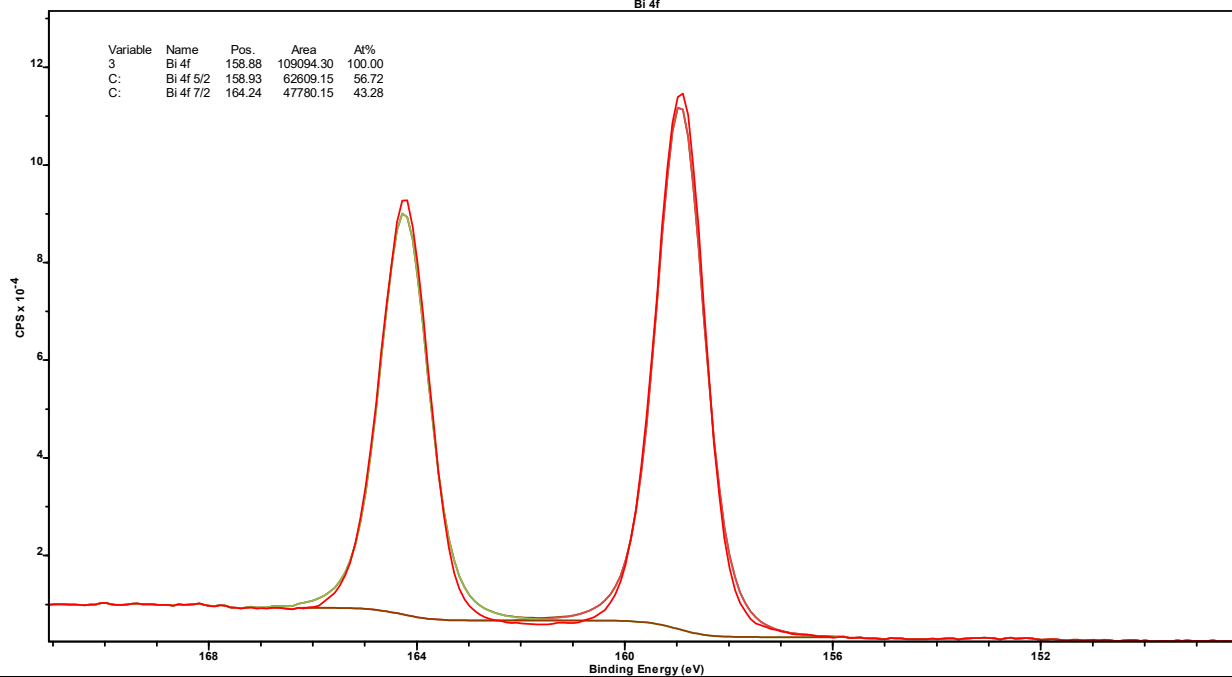
T  
(K)

Bi 4f

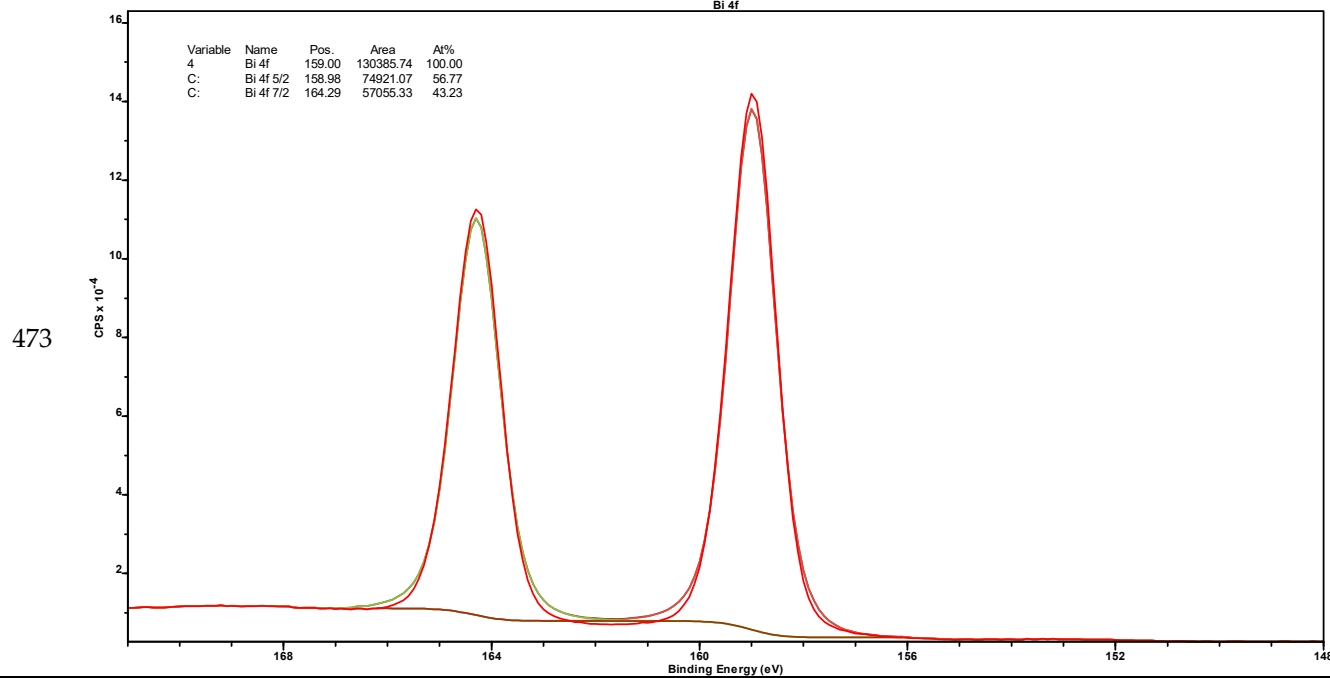
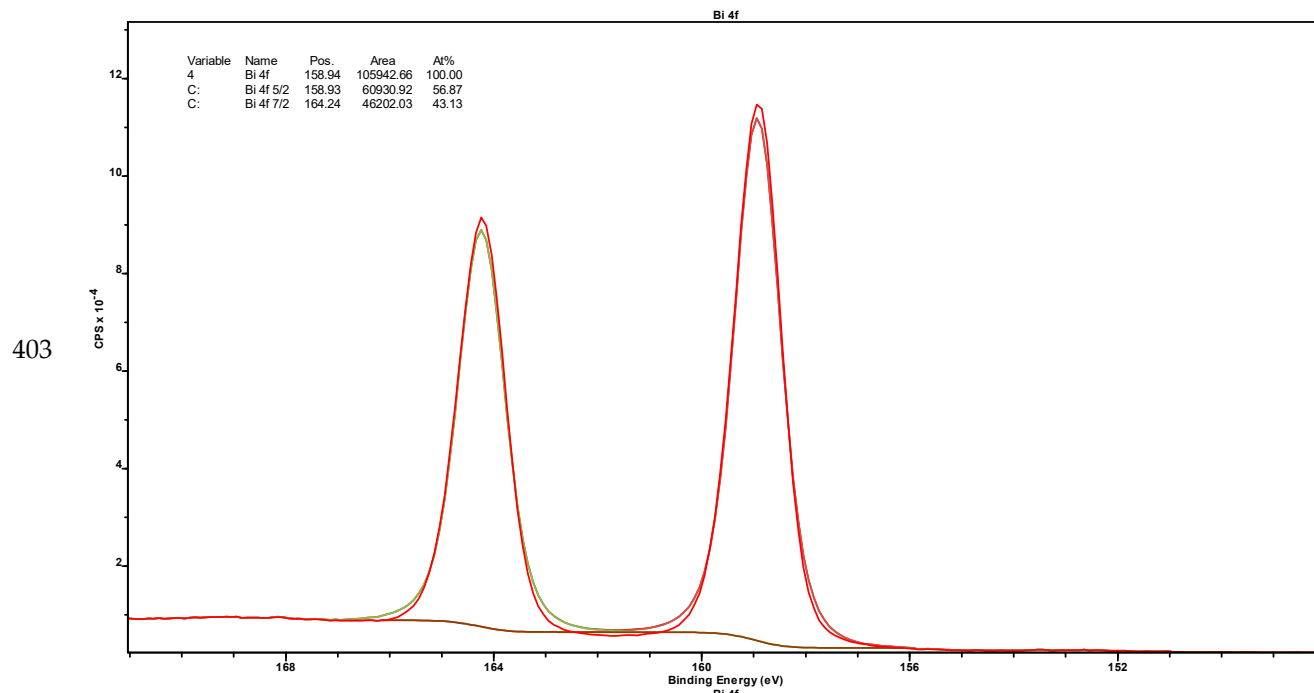


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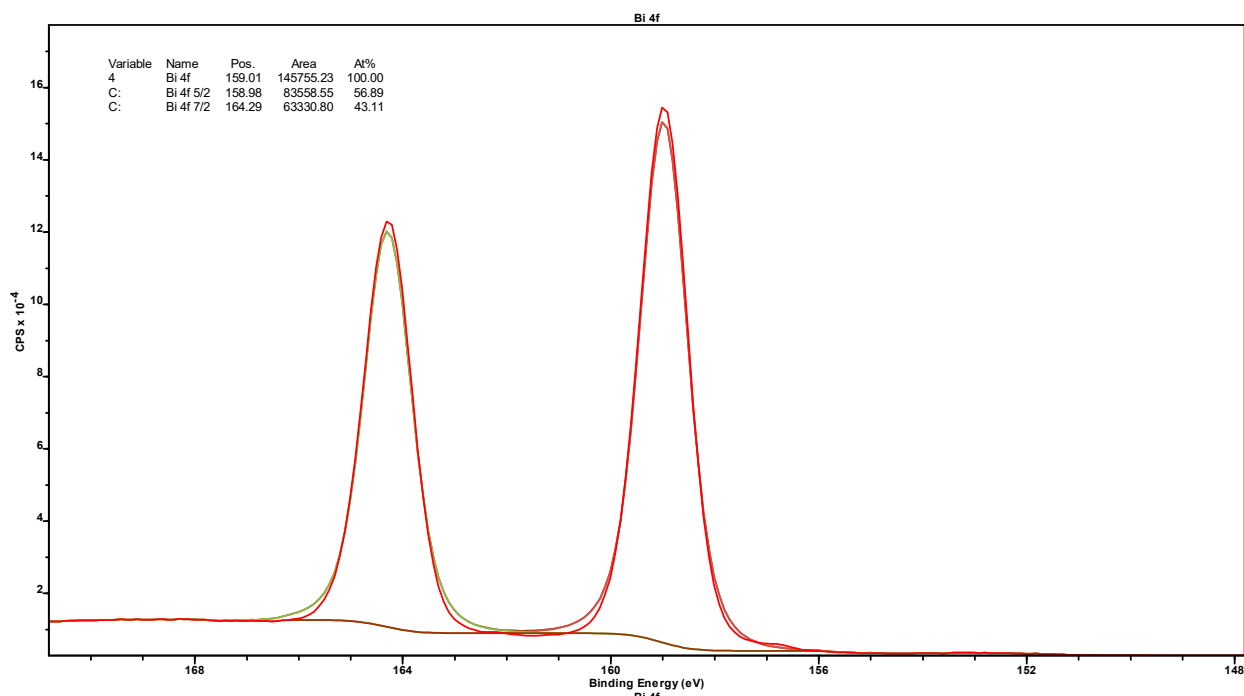
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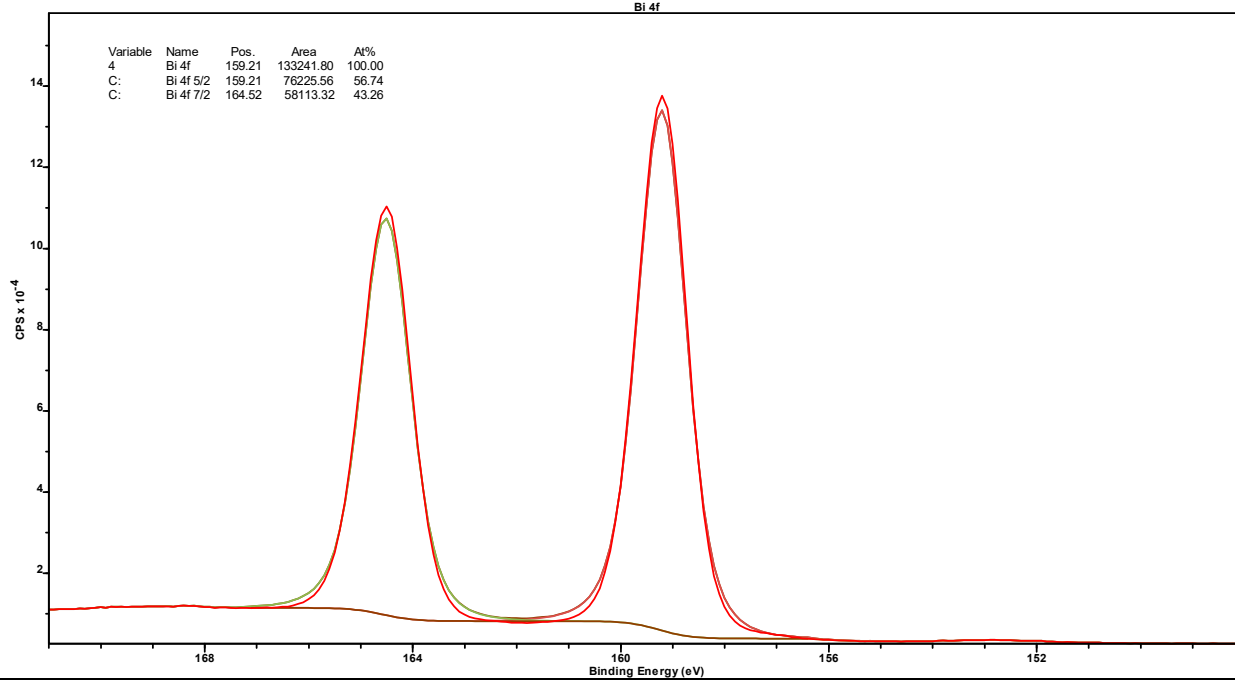


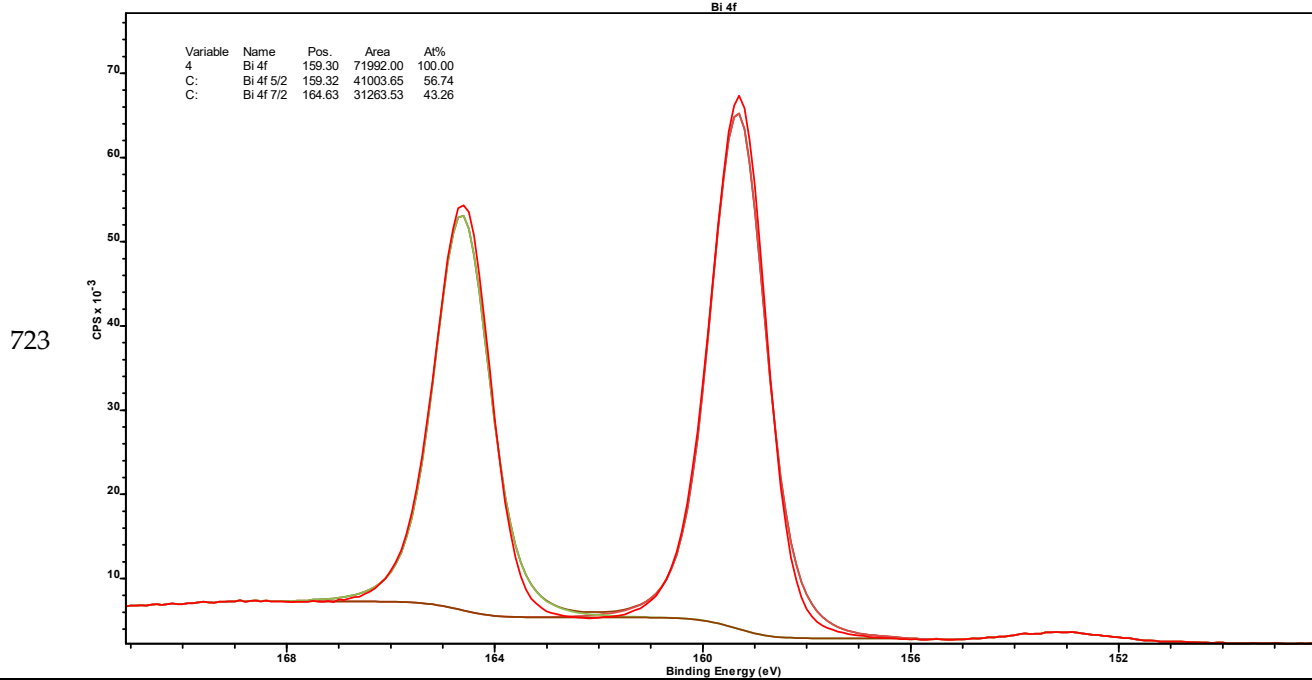
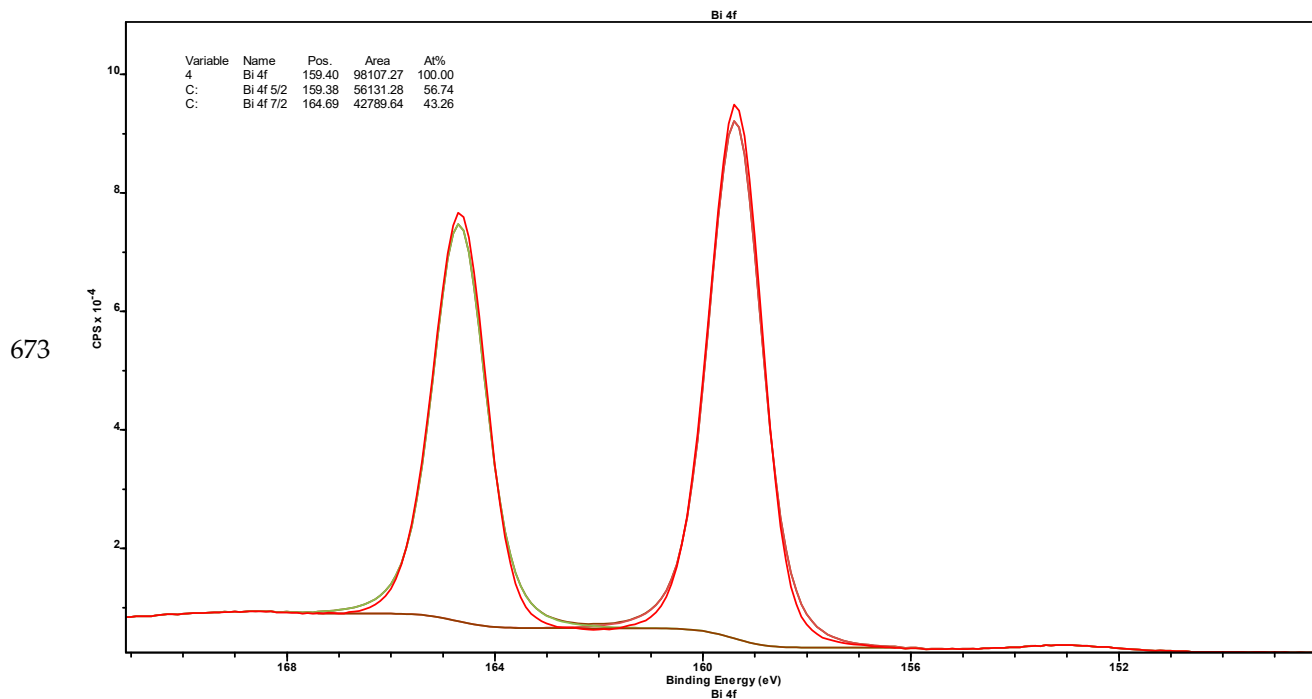


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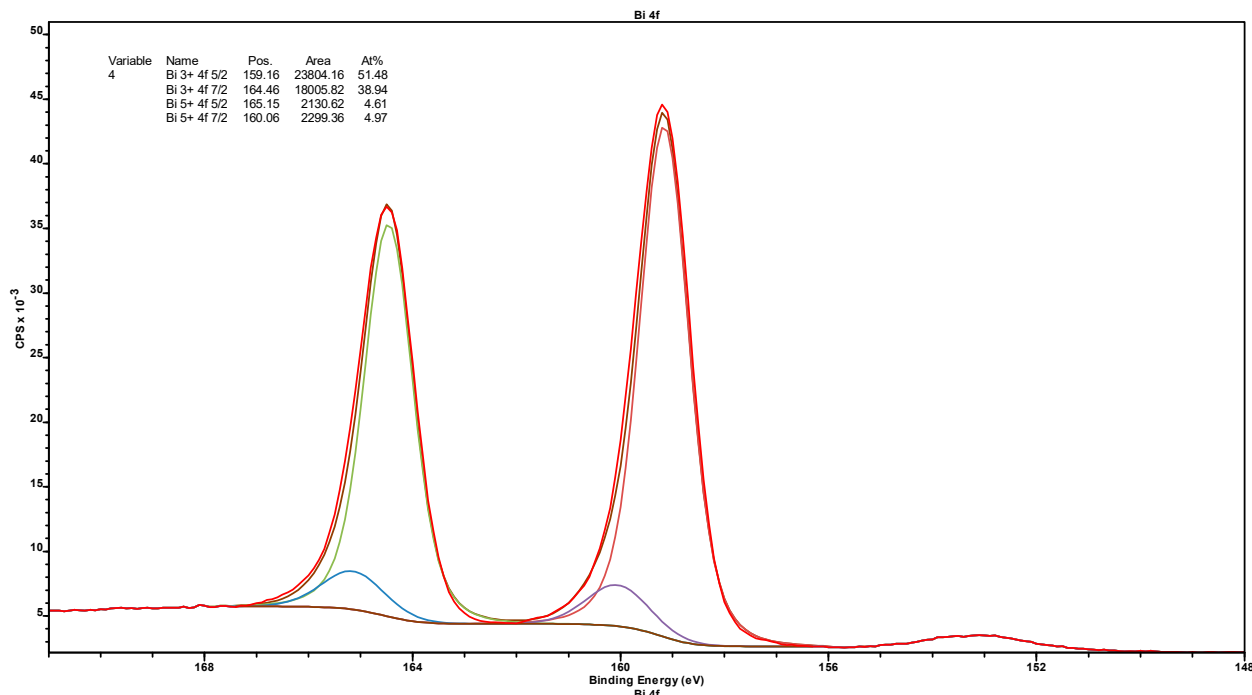


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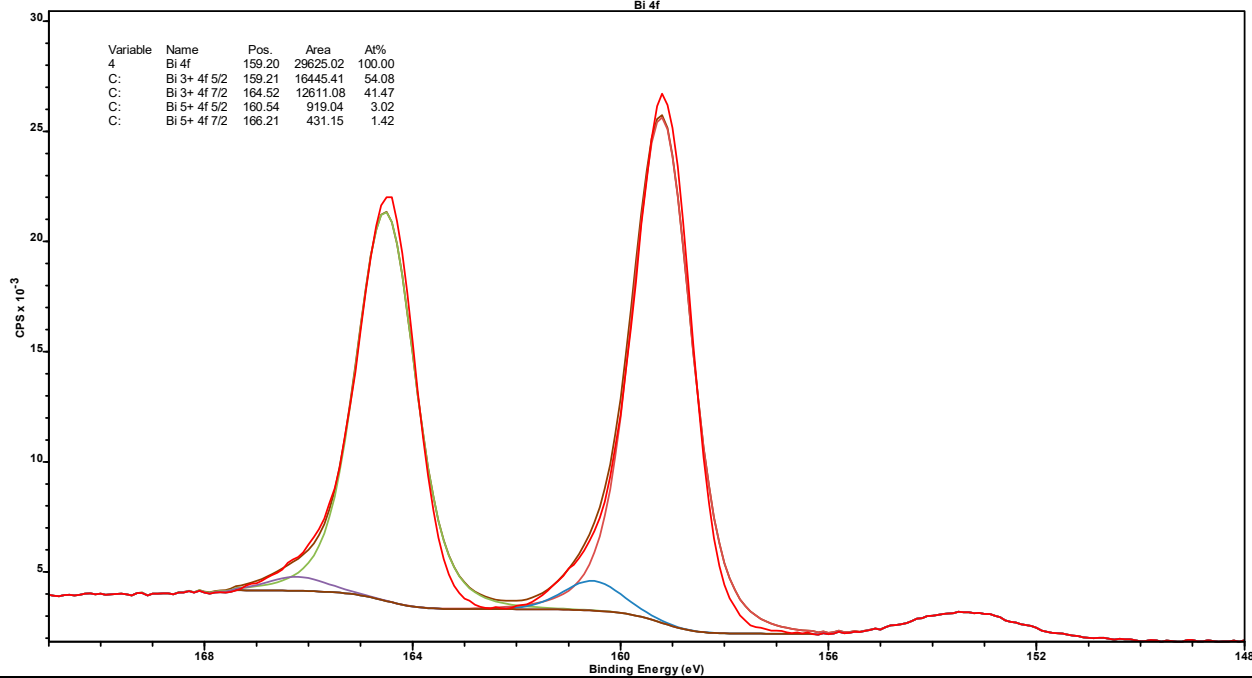




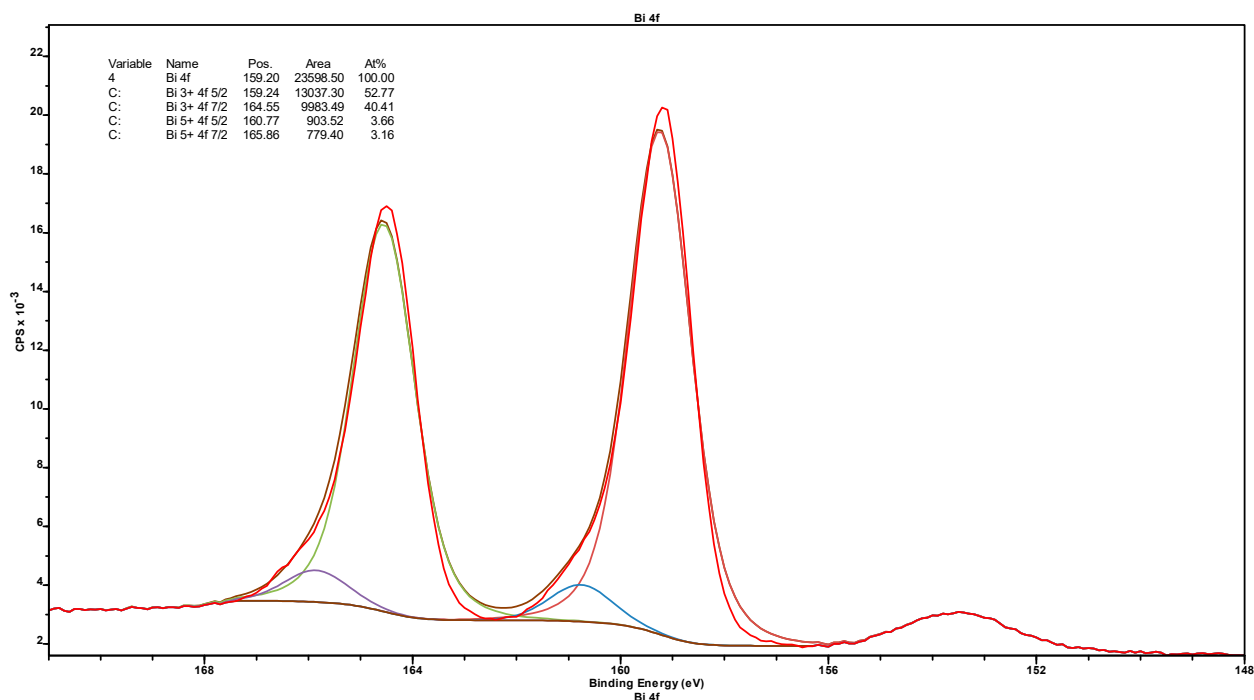
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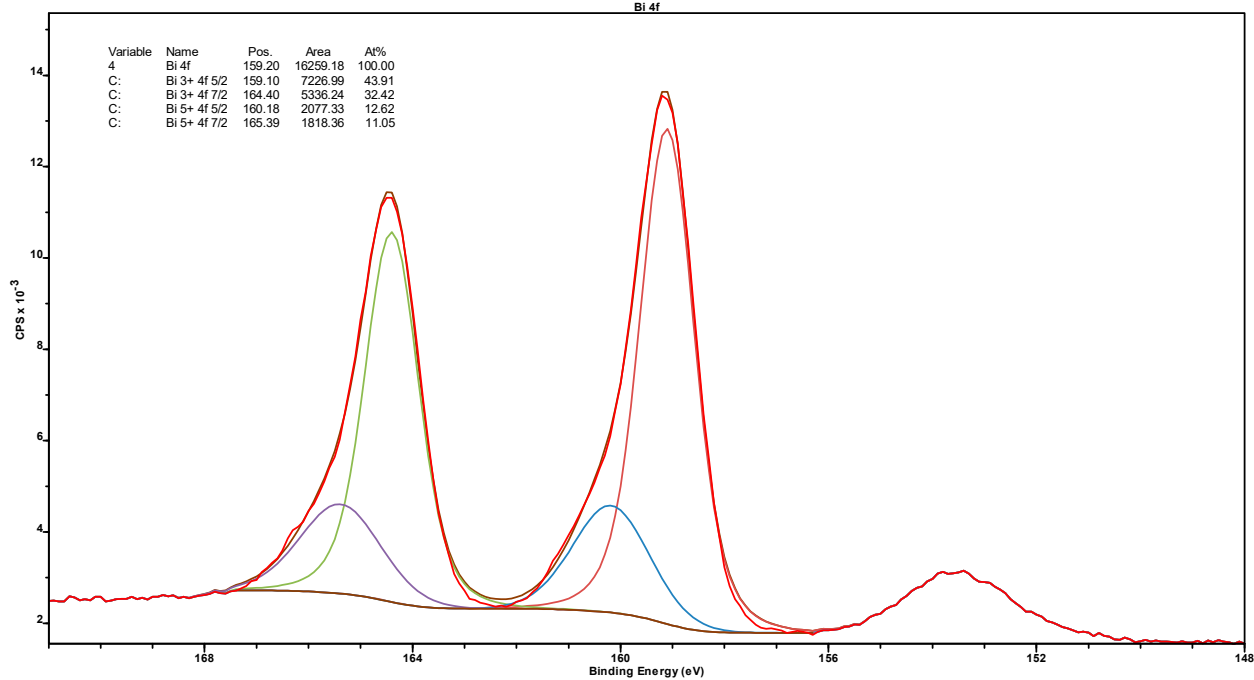
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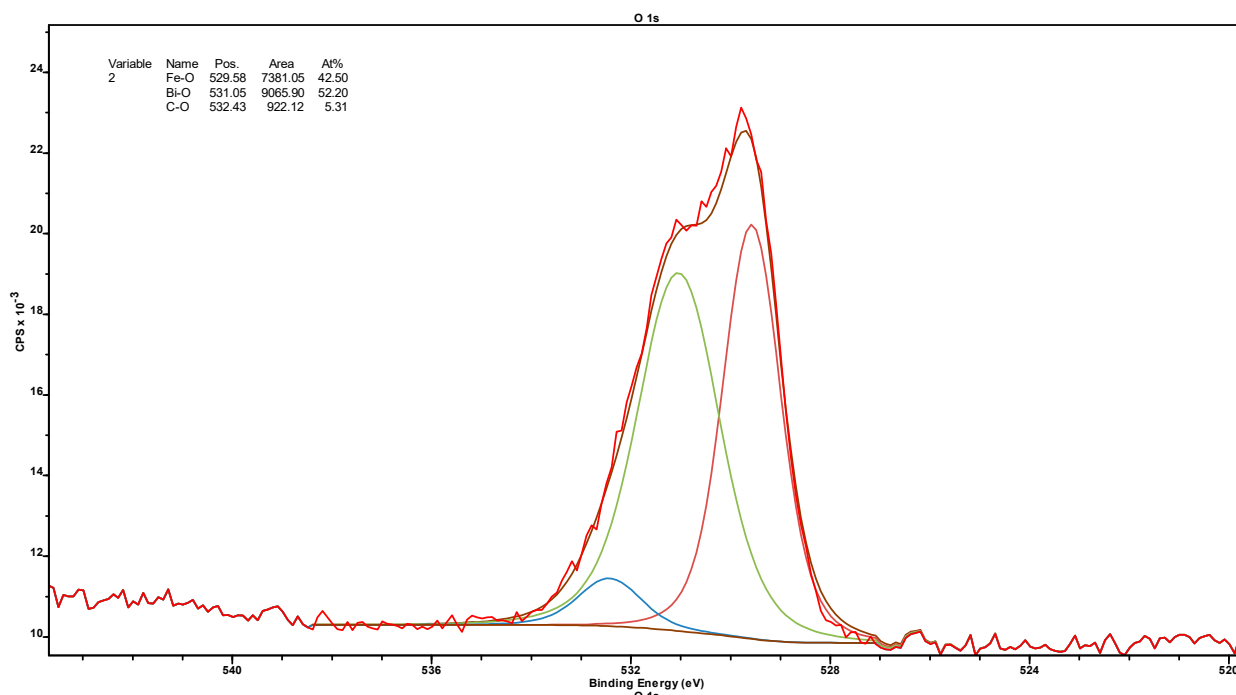


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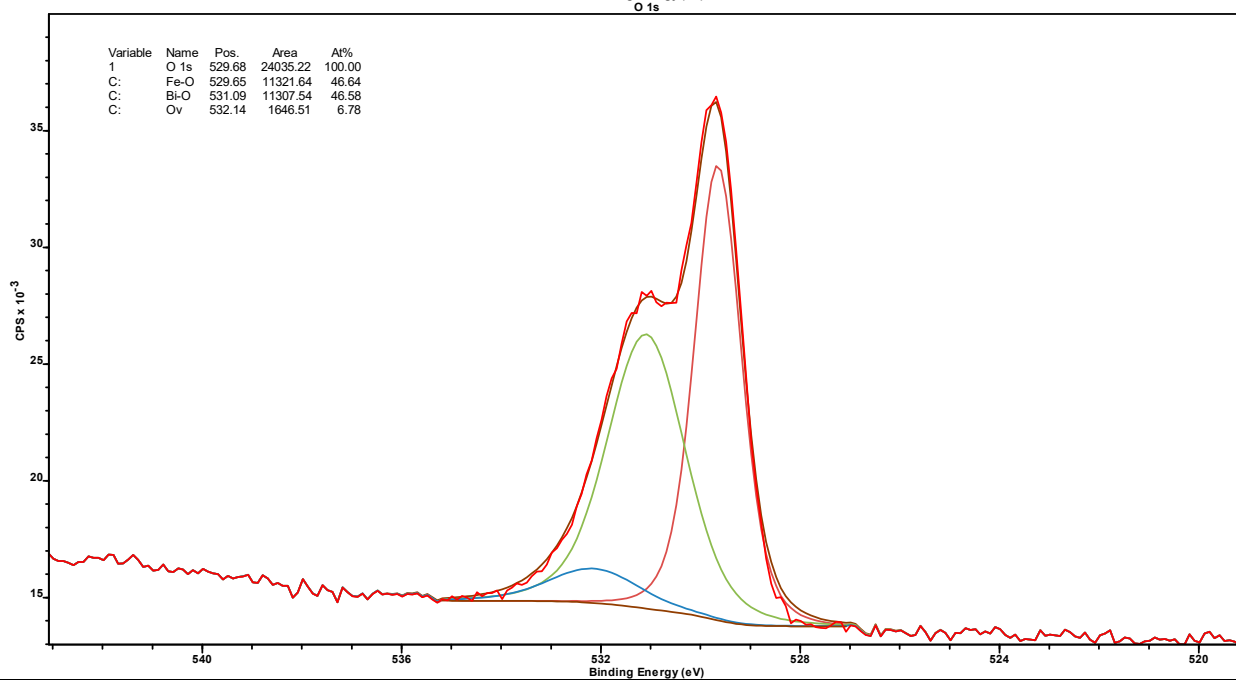


T  
(K)

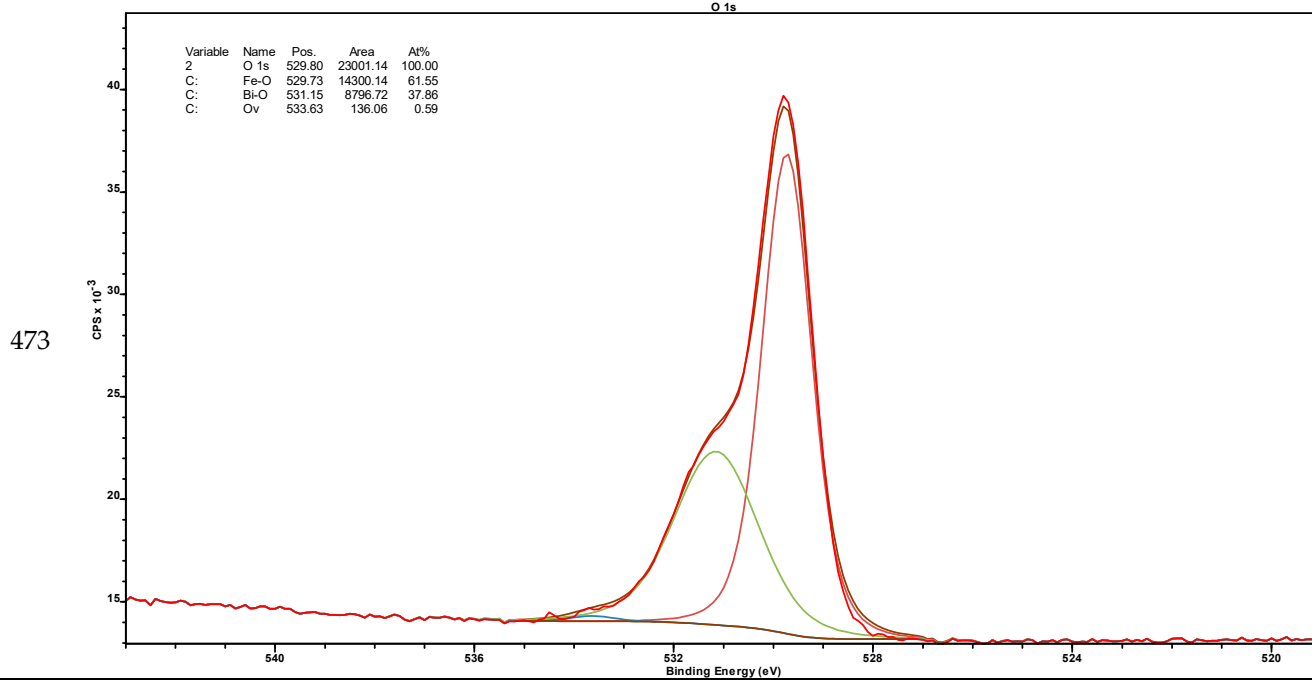
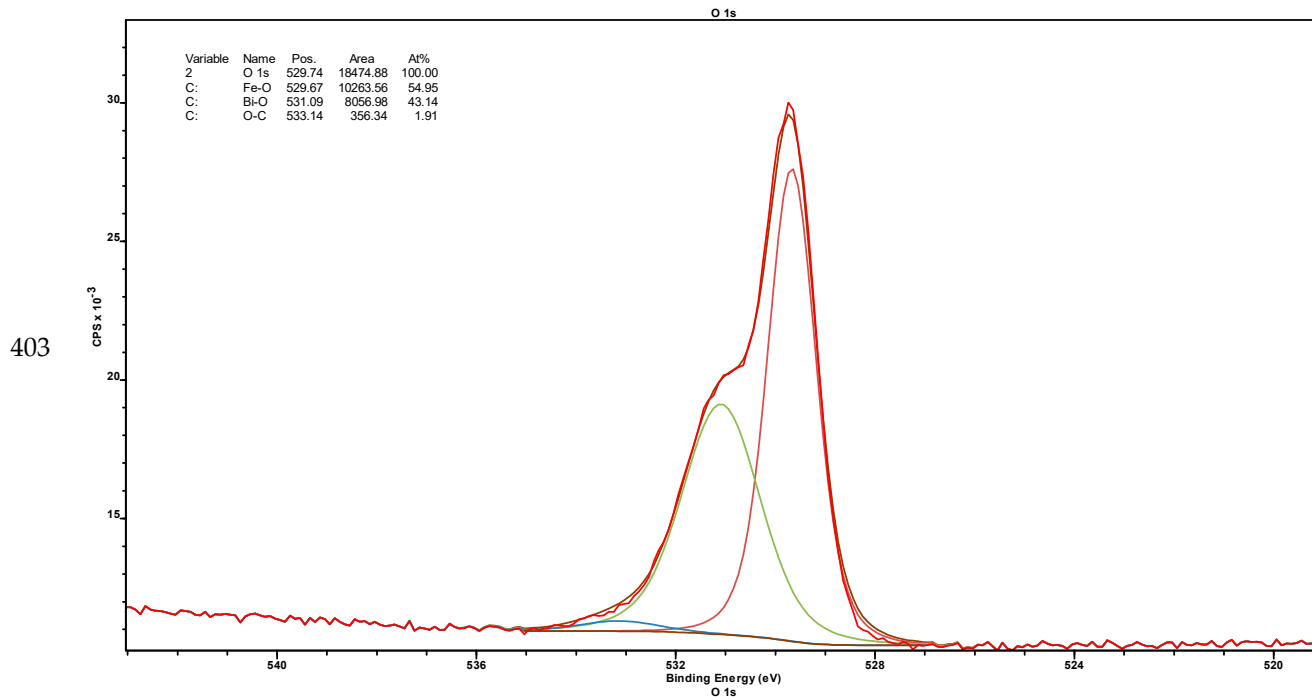
O 1s



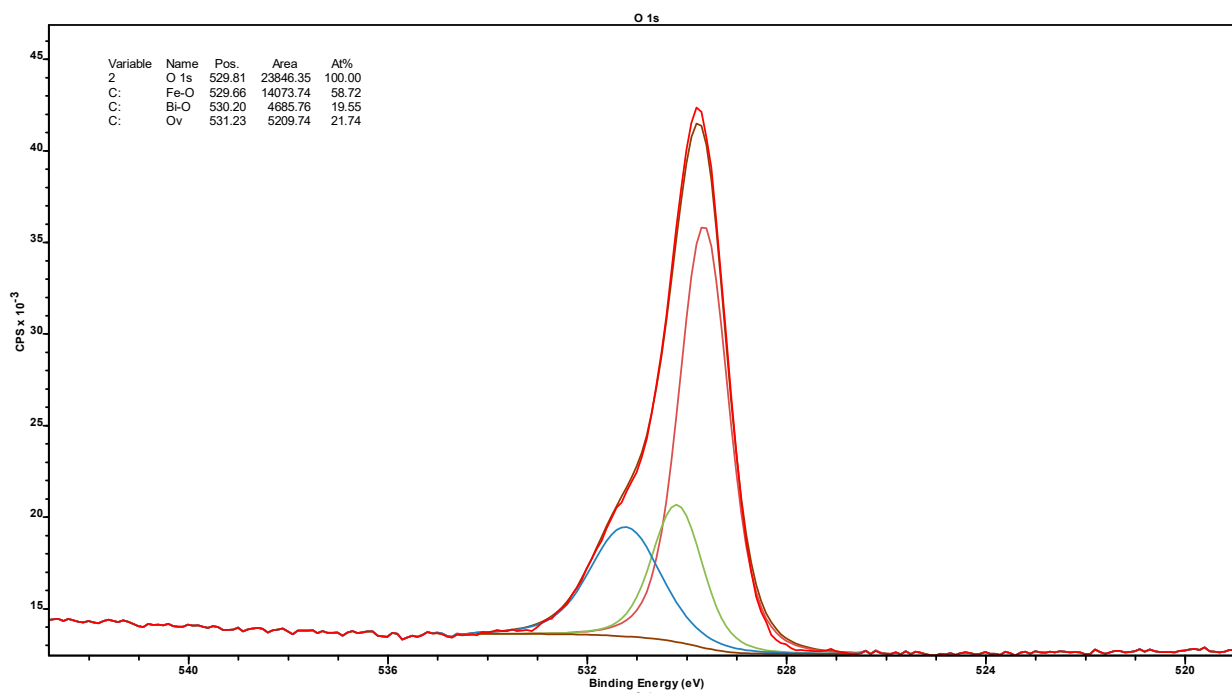
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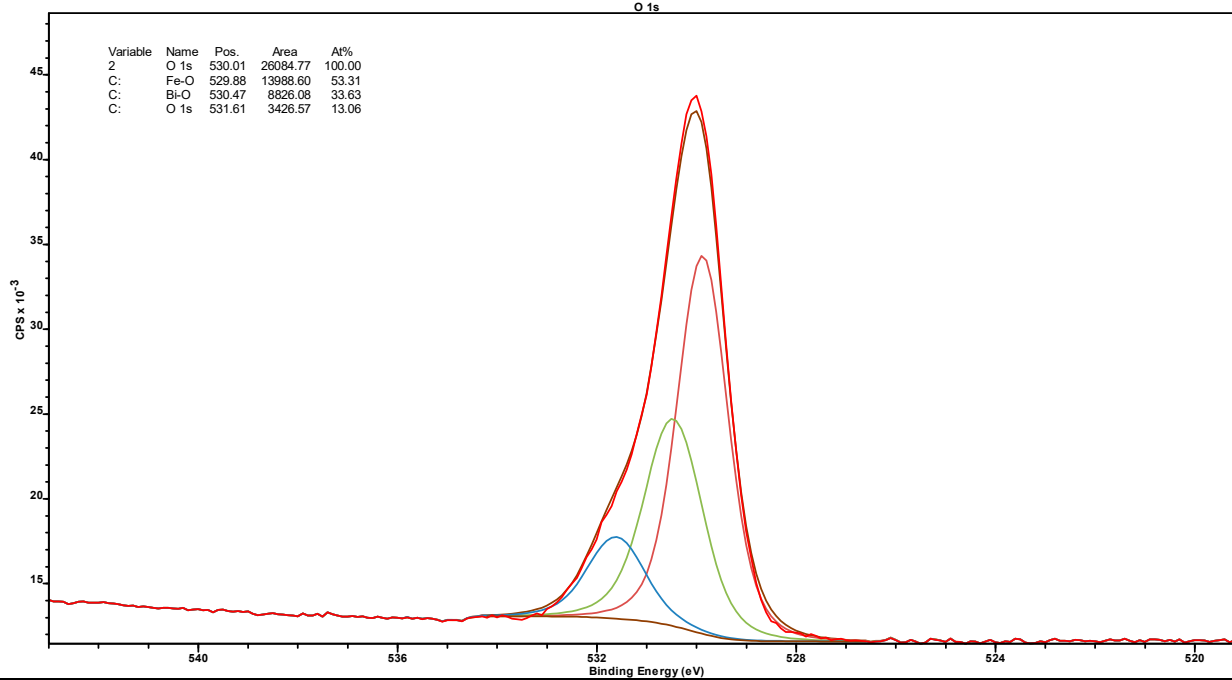
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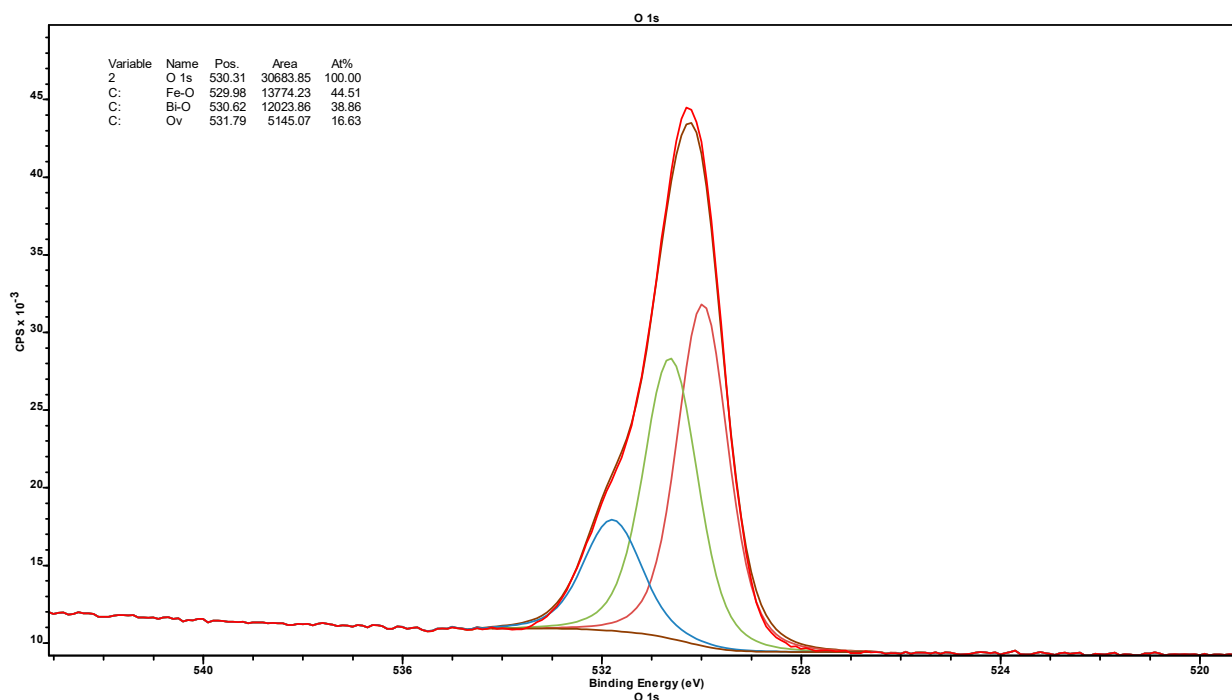


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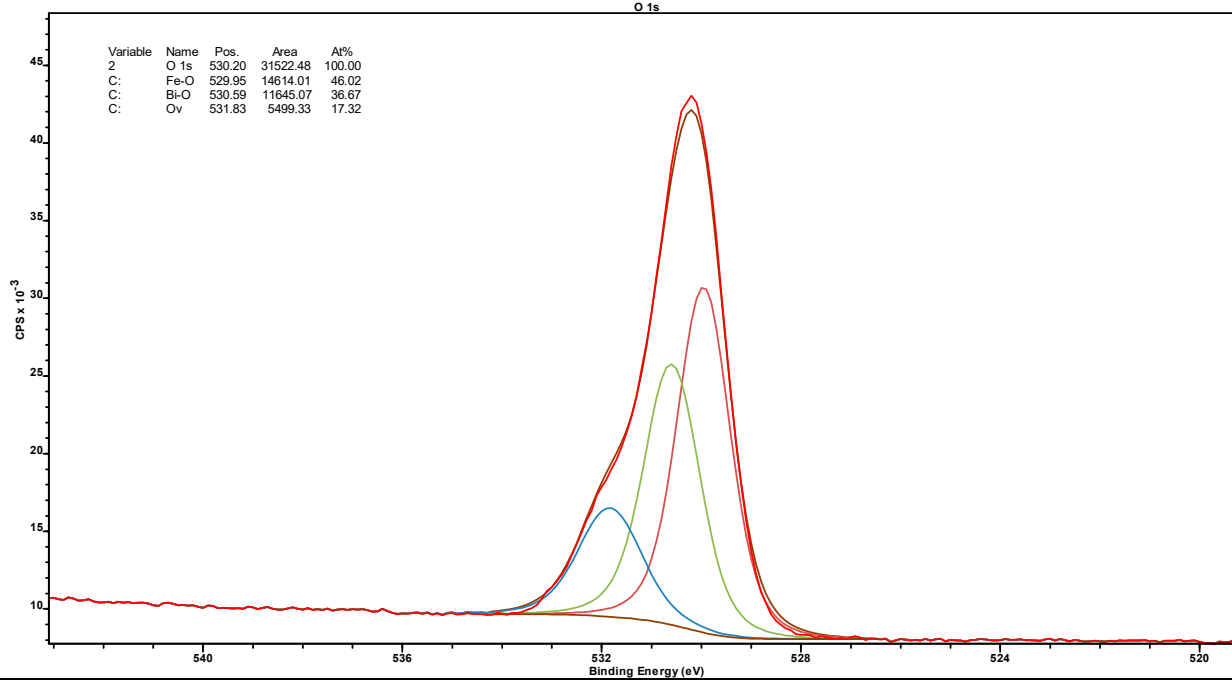




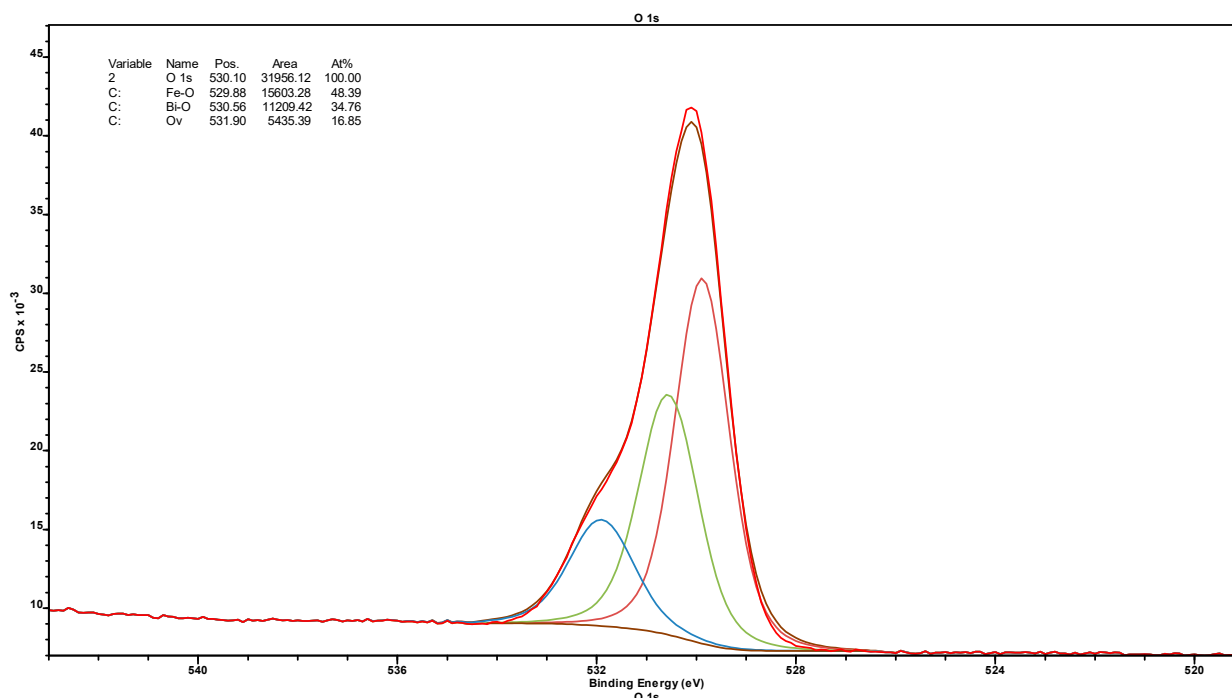
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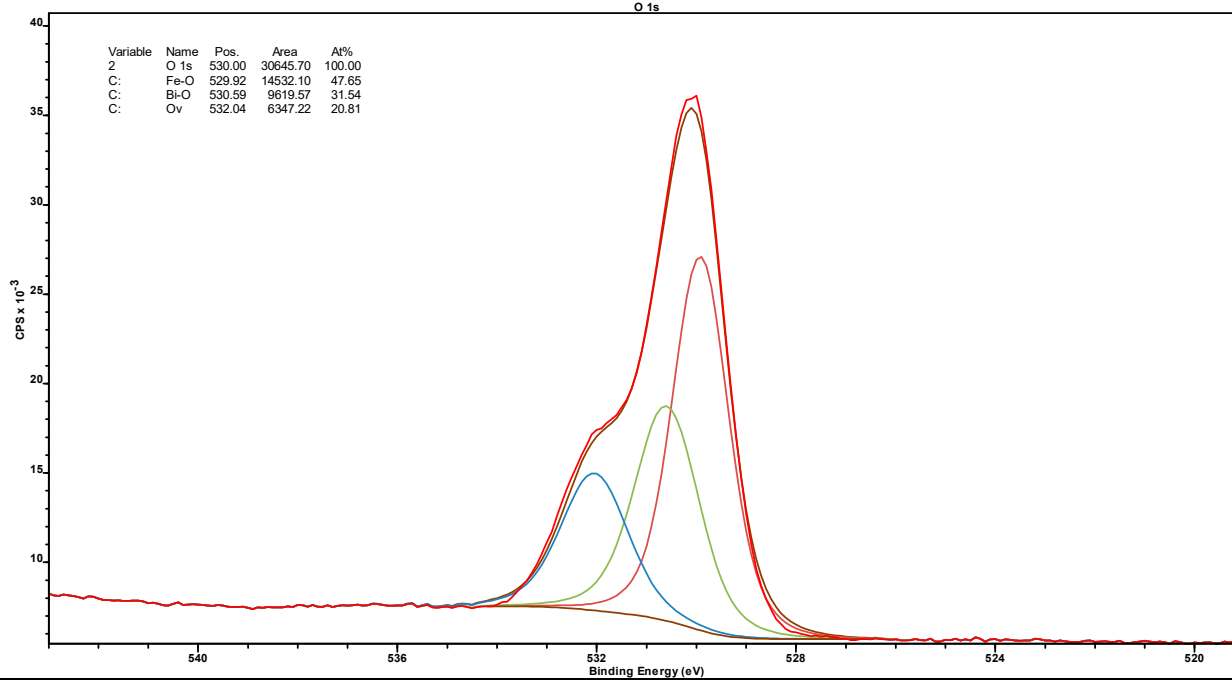
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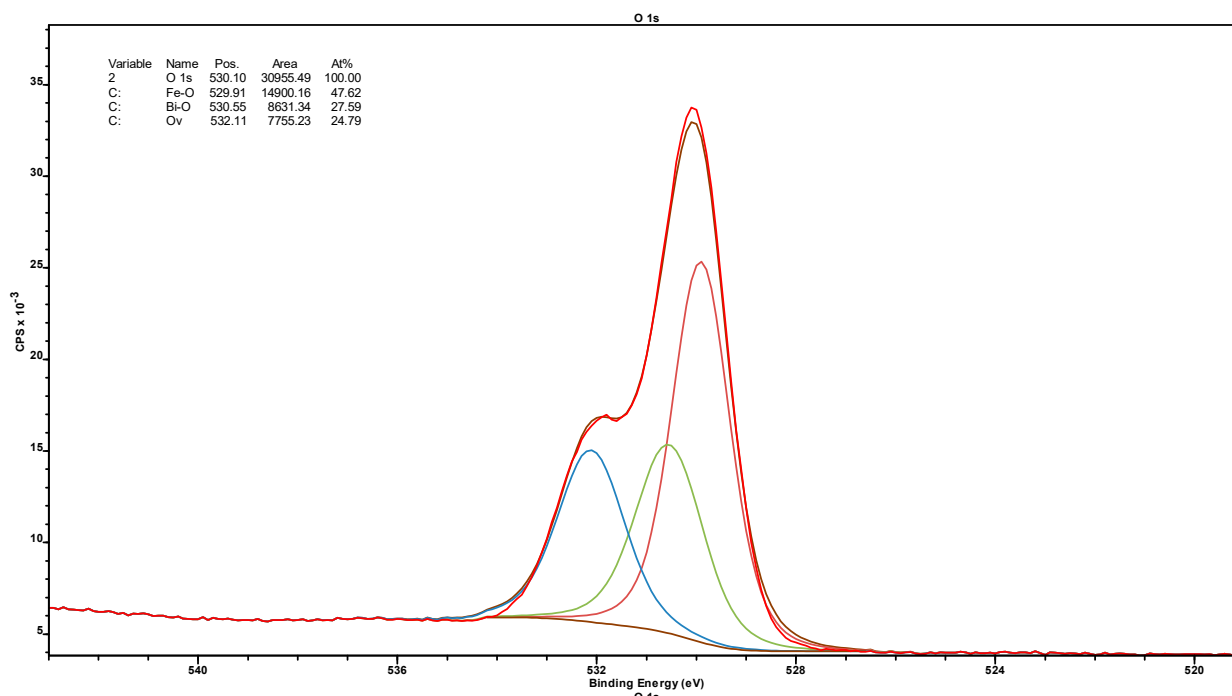
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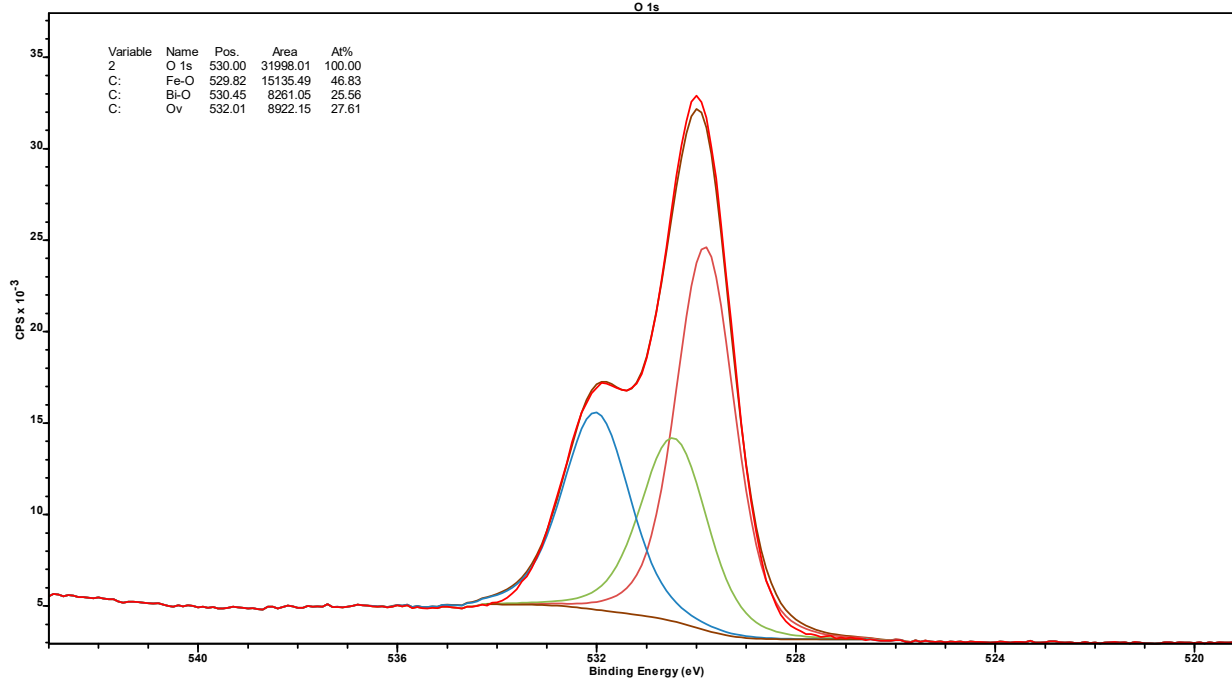
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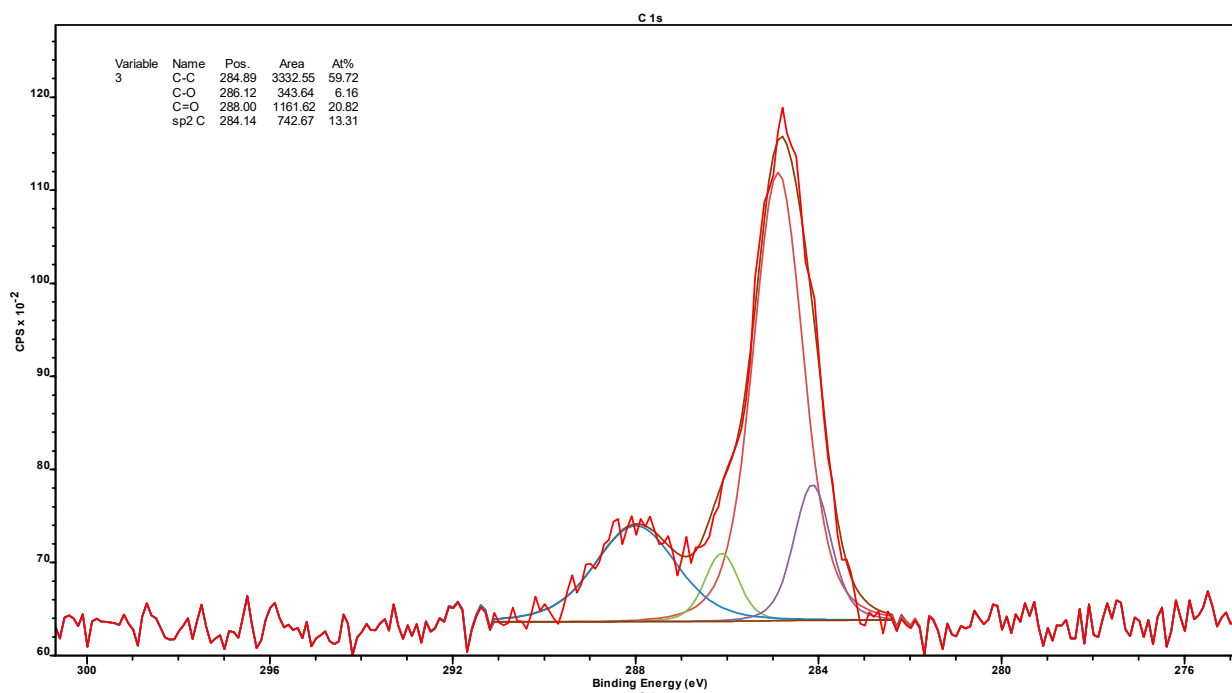


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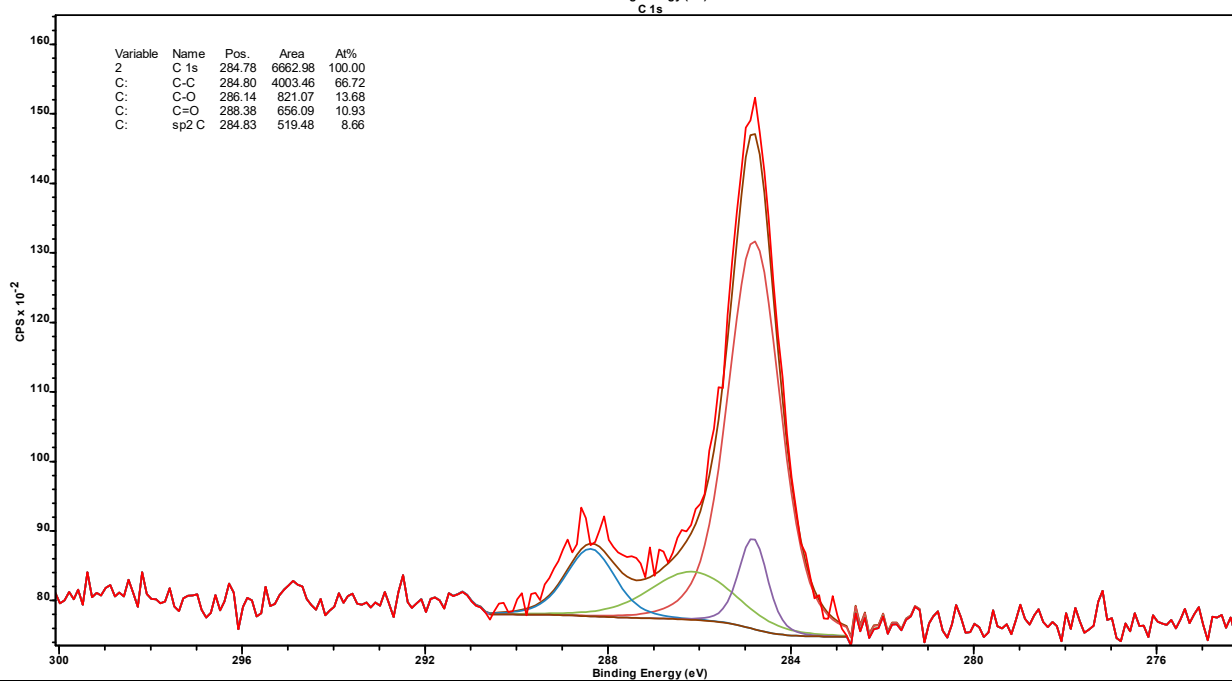


T  
(K)

C 1s

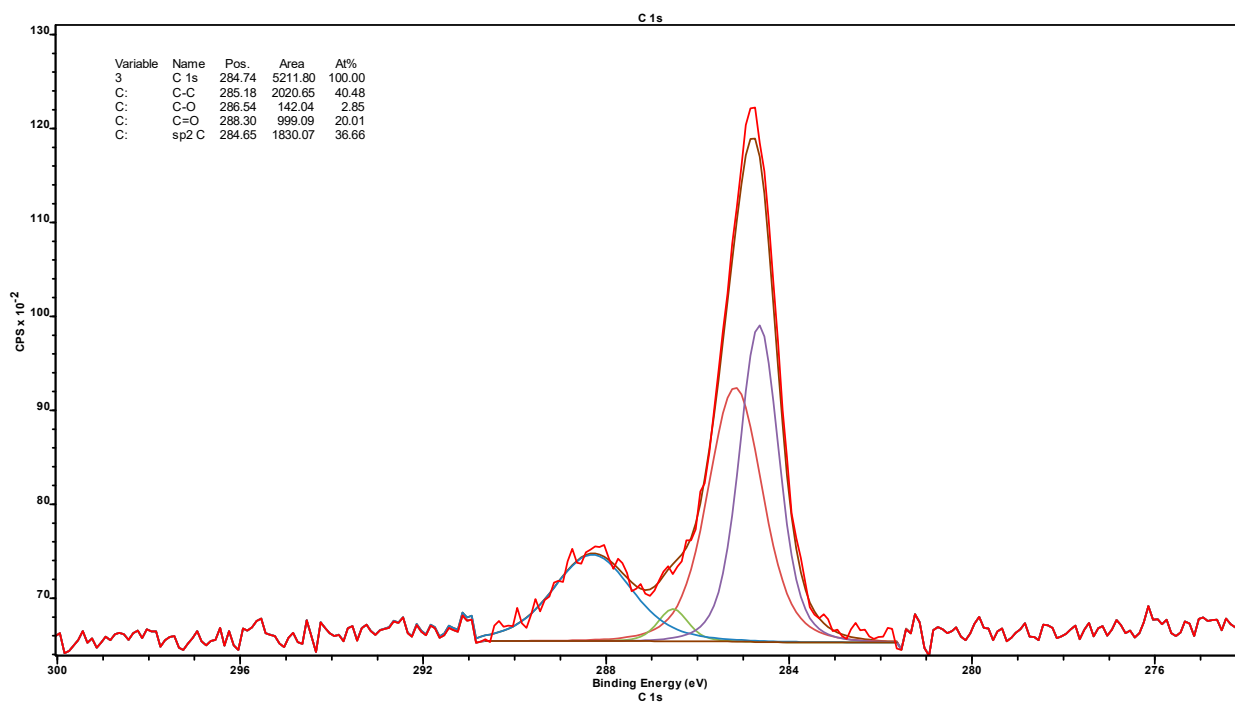


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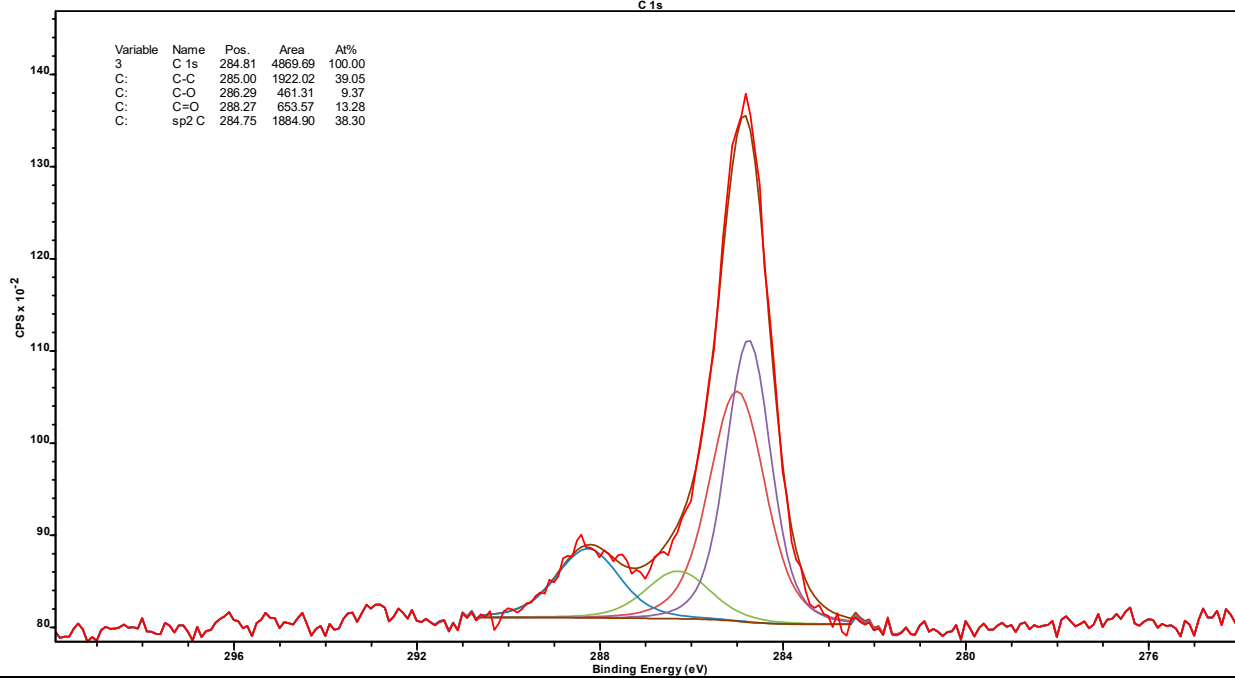


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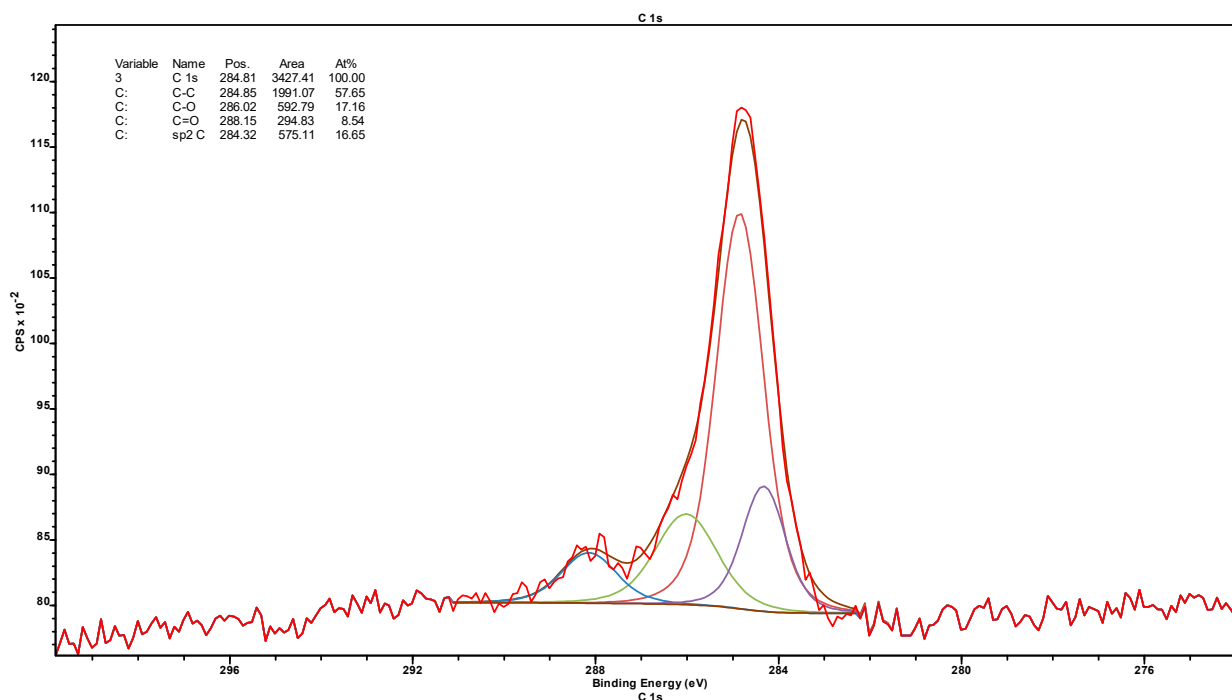
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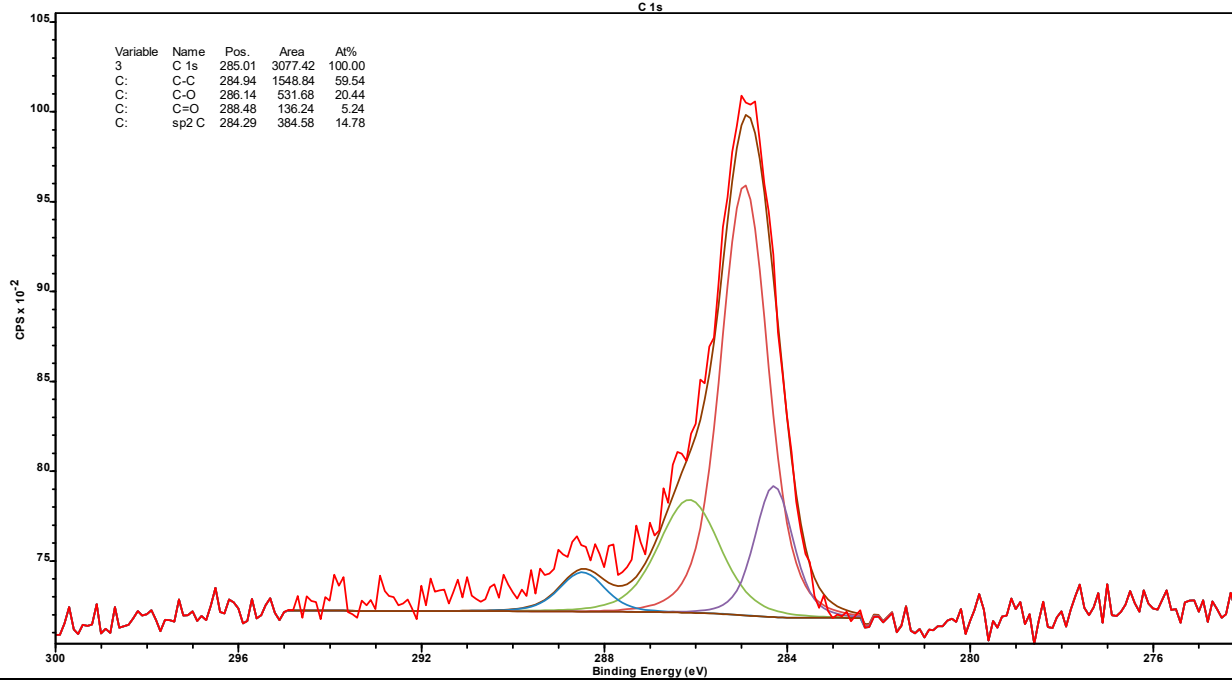
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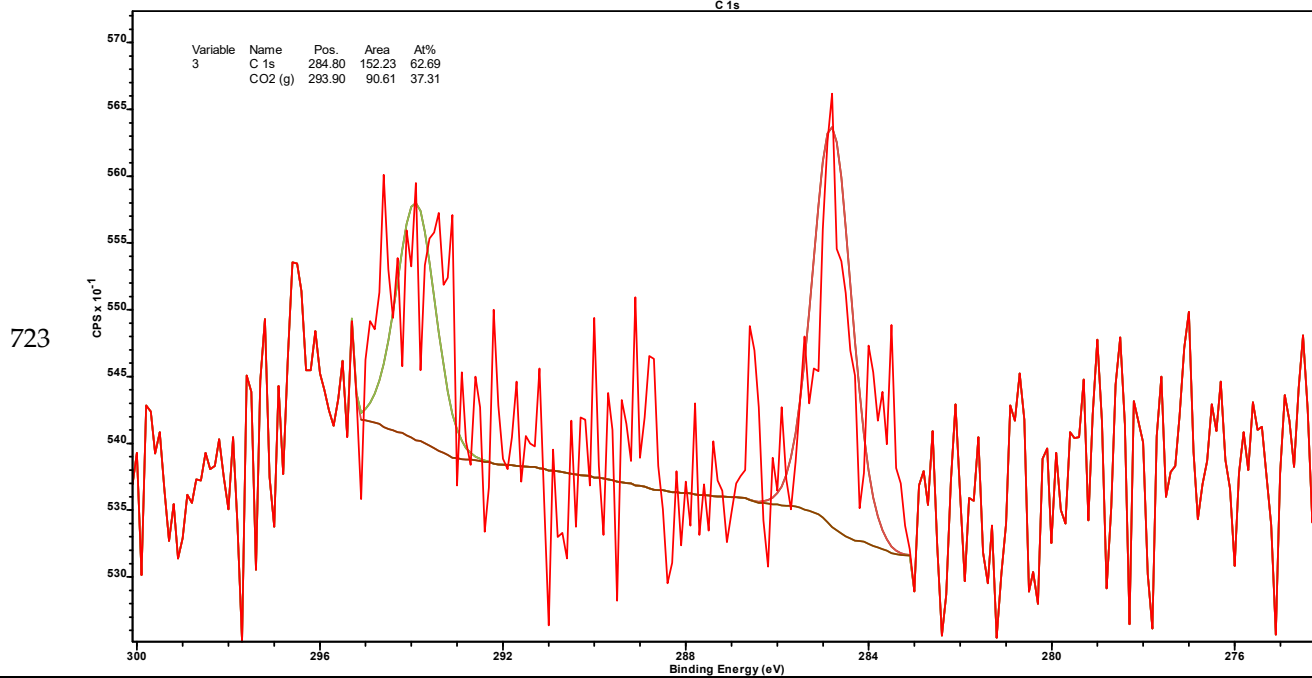
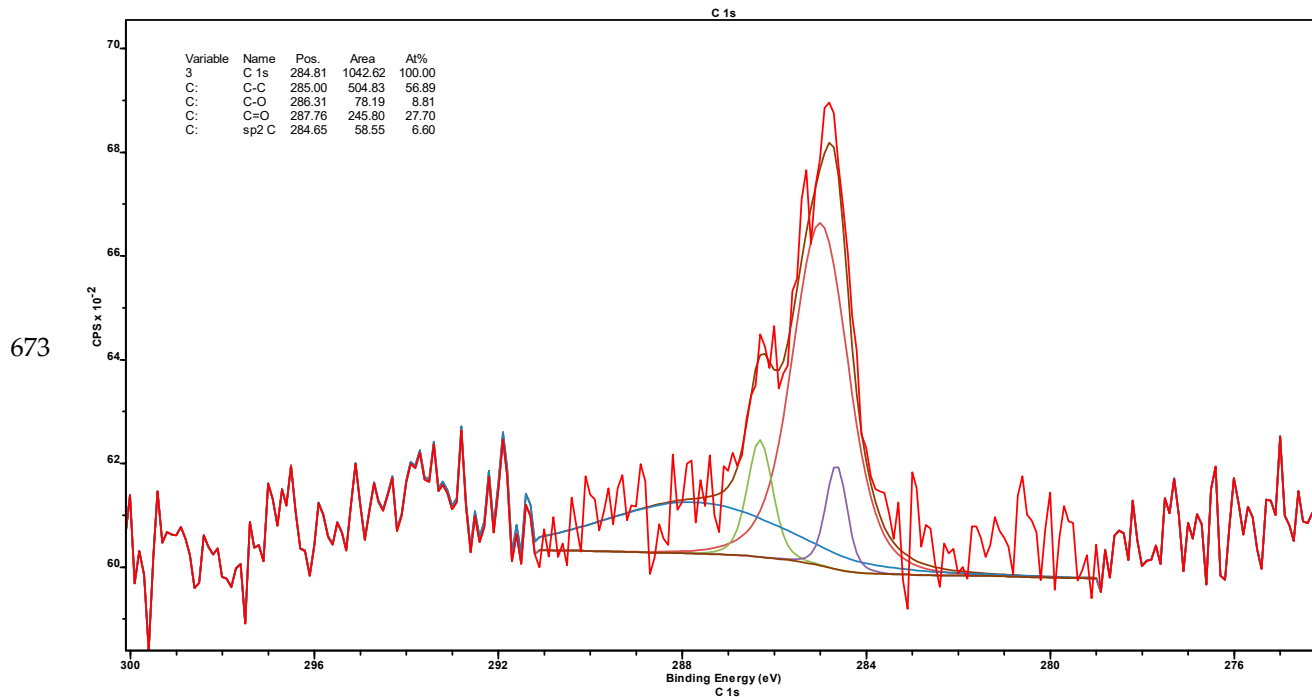


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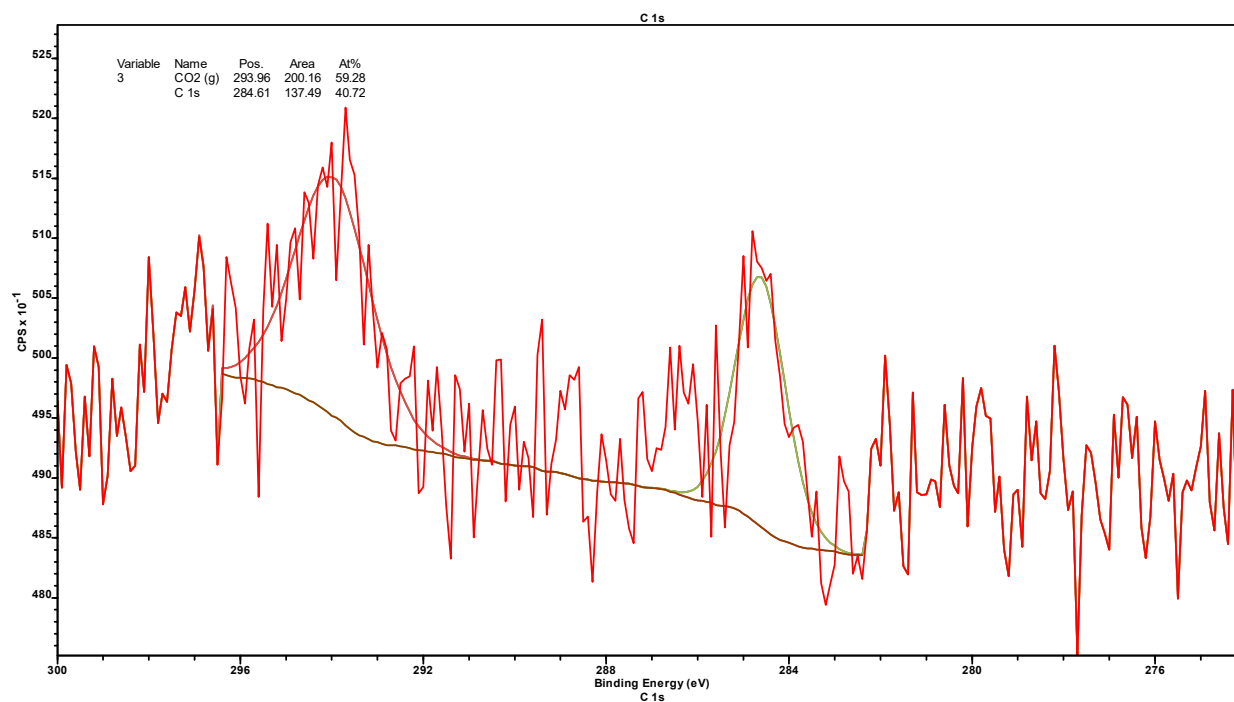


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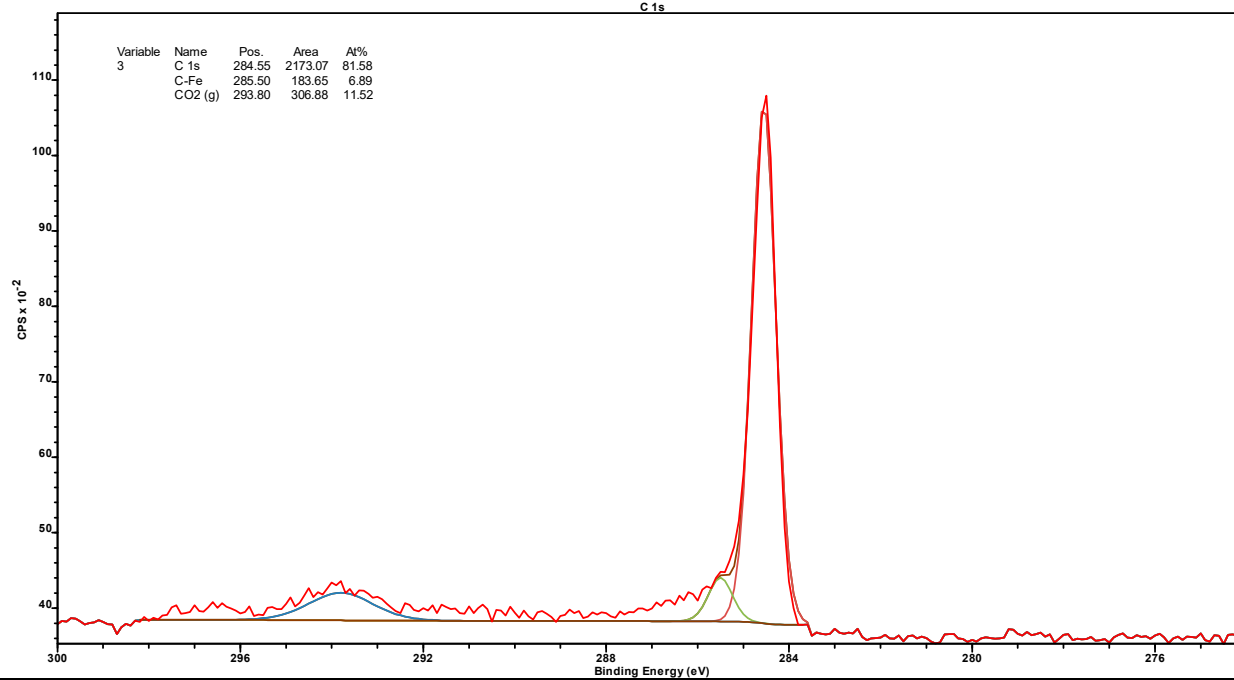




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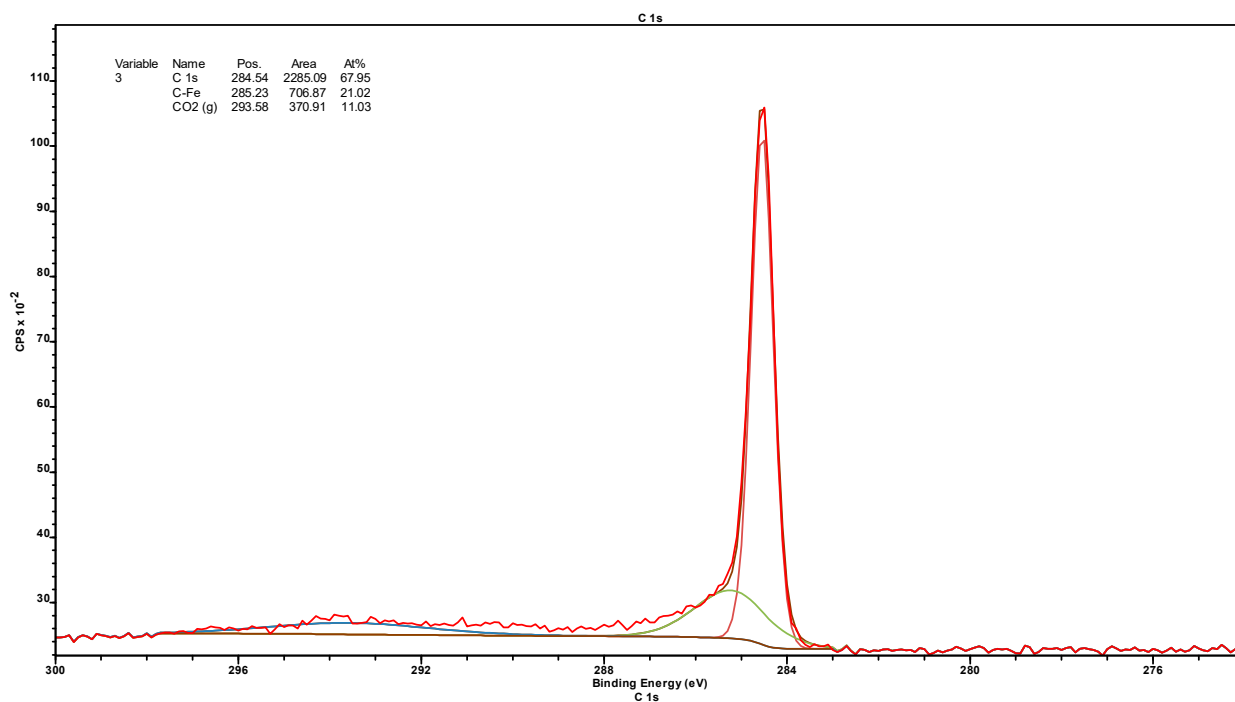


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