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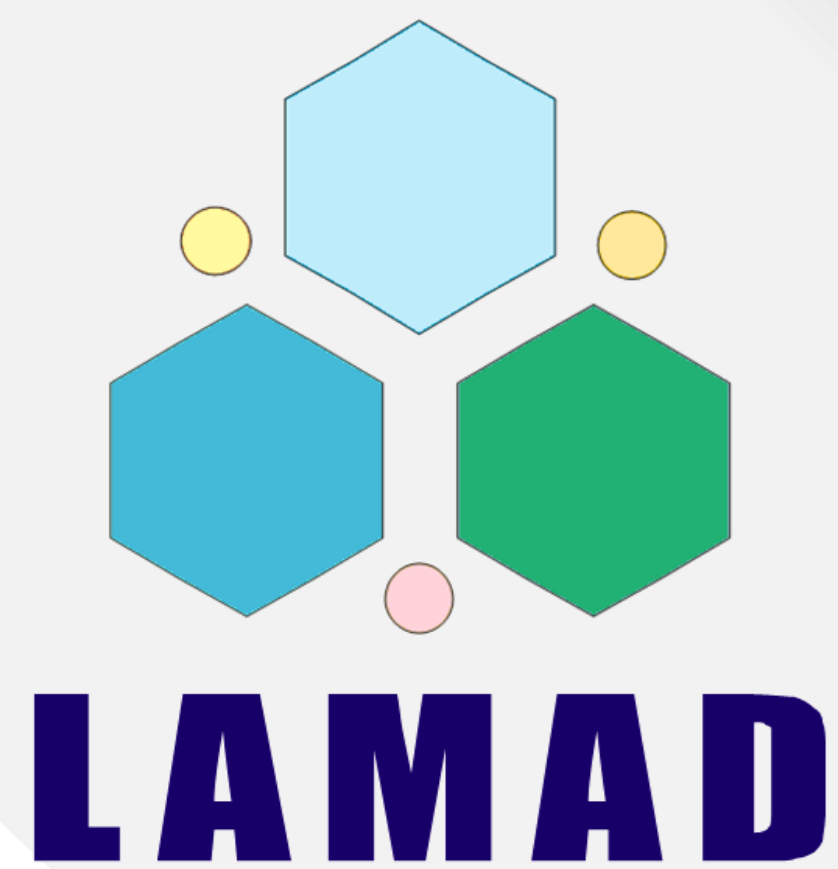


Caracterização da interface dentina/adesivo com incorporação de HA_{nano} utilizando espectroscopia Raman



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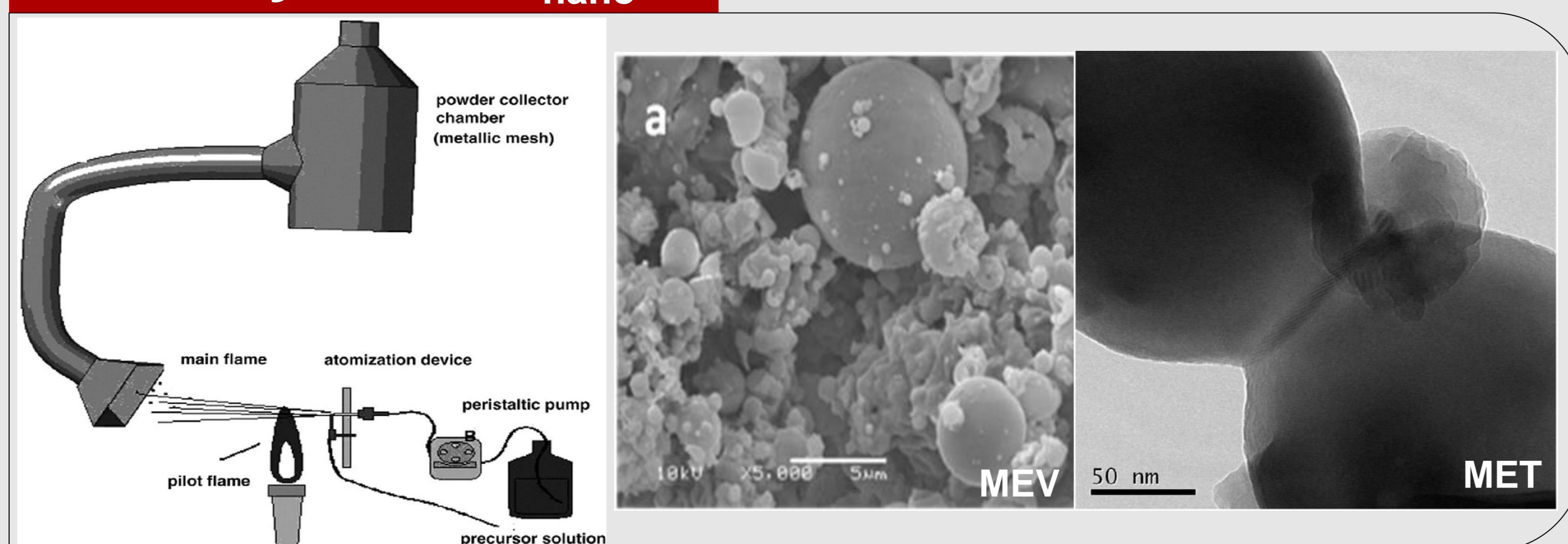
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O objetivo deste estudo foi caracterizar a interface de diferentes sistemas adesivos com o substrato dentário utilizando espectroscopia micro Raman.

OBJETIVO

Obtenção da HA_{nano}



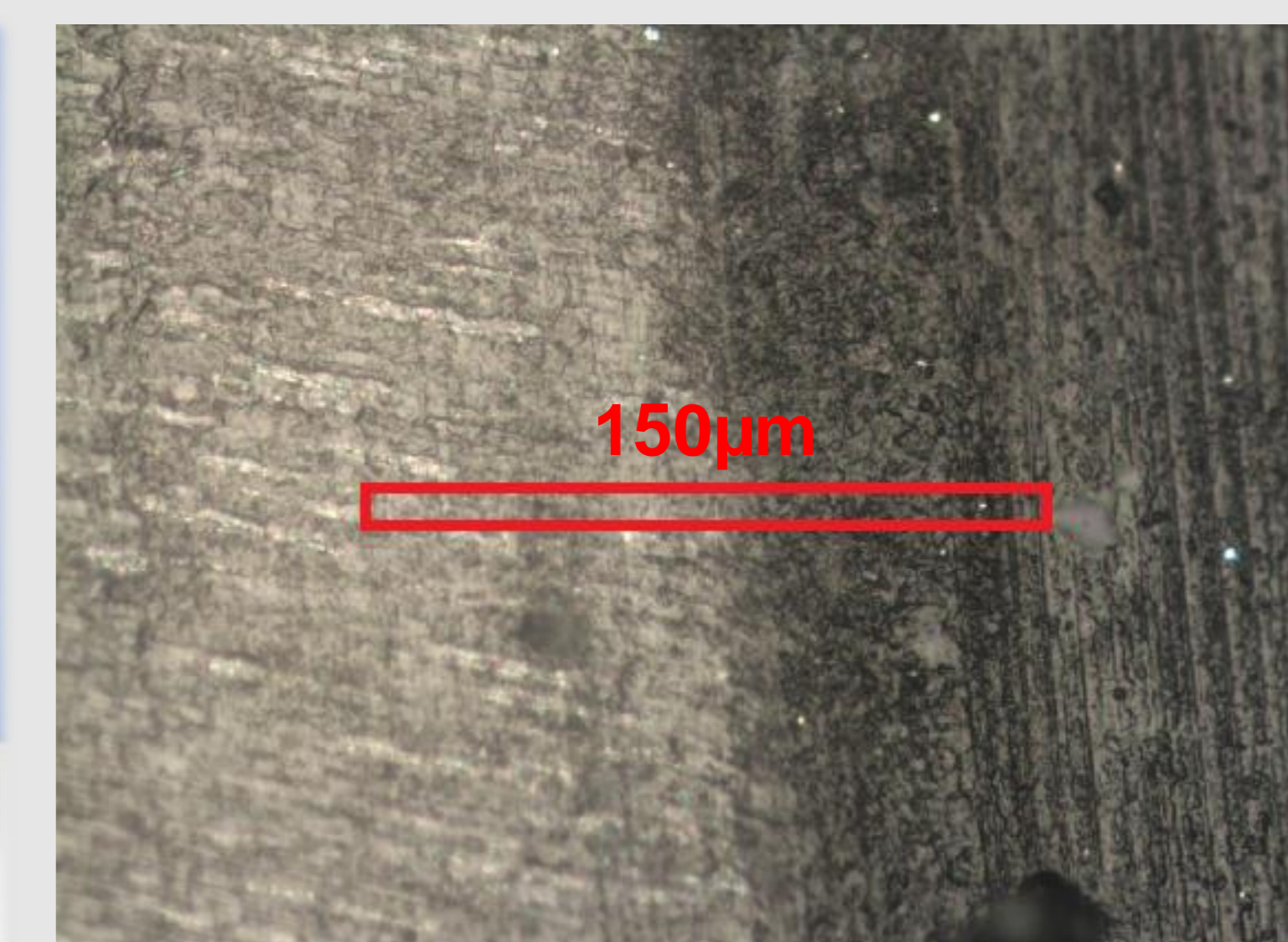
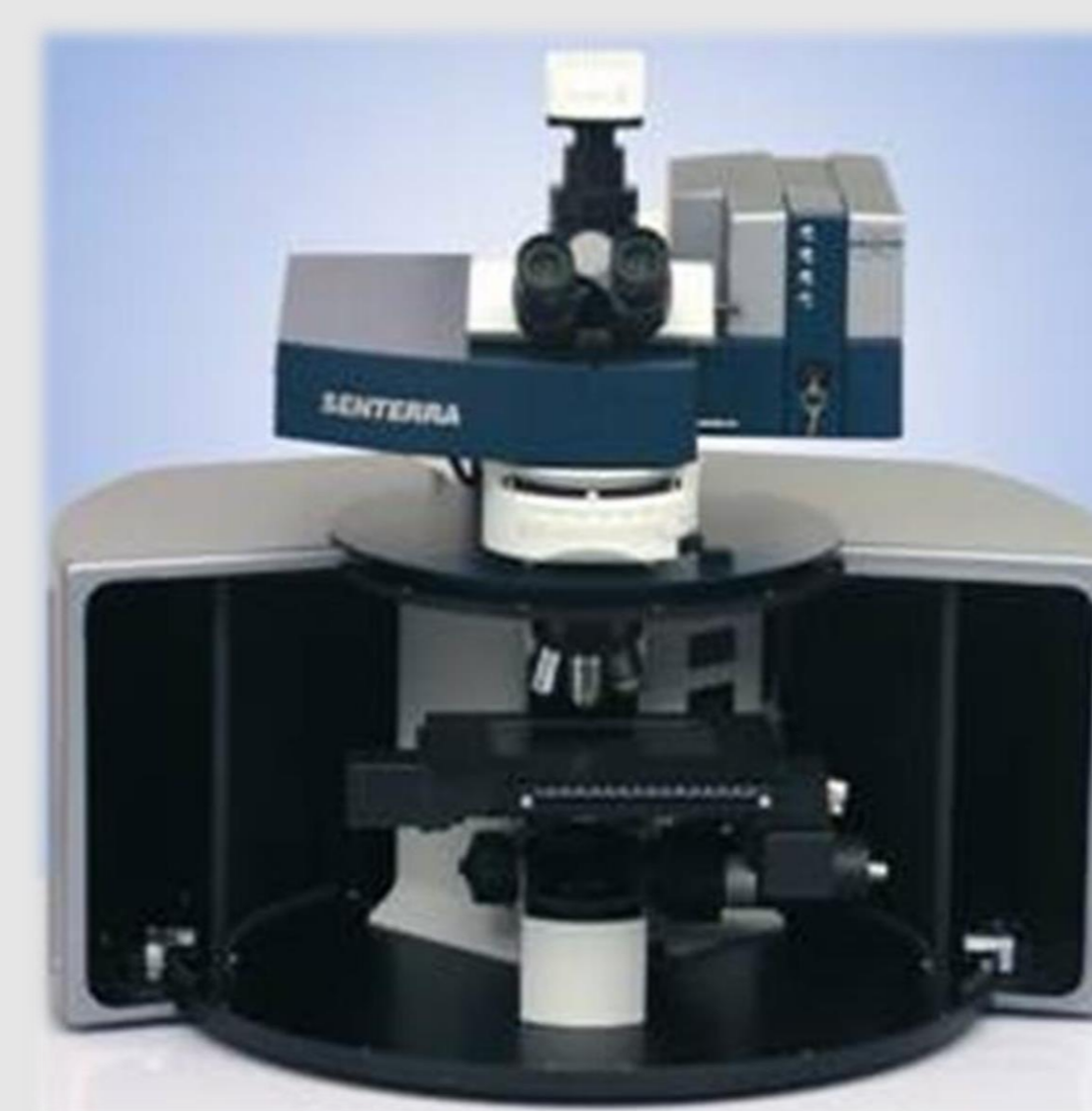
Grupos

- Adesivo com HA_{nano} (aplicado com primer comercial)
- ScotchBond Multipurpose
- Fusion Duralink



Caracterização da Interface

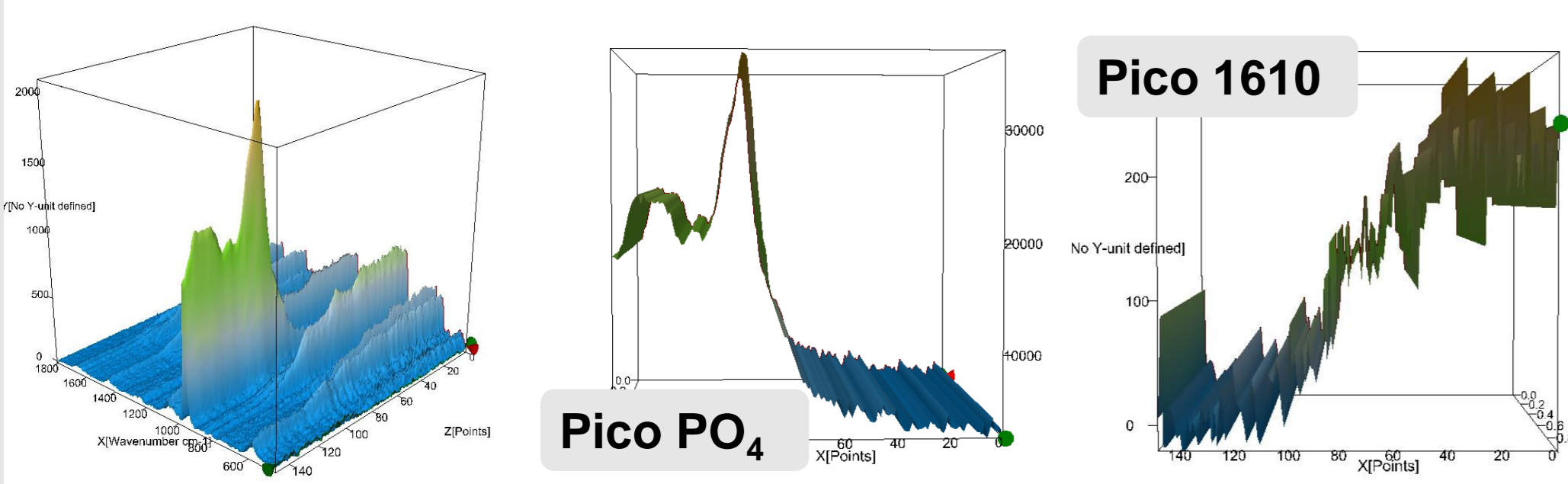
- Espectroscopia Micro-Raman
- Laser 785nm
- 5 s e 2 co-adições
- Integrada pelos picos:
 - HA: 910cm^{-1}
 - Metacrilato: 1610cm^{-1}



MATERIAIS E MÉTODOS

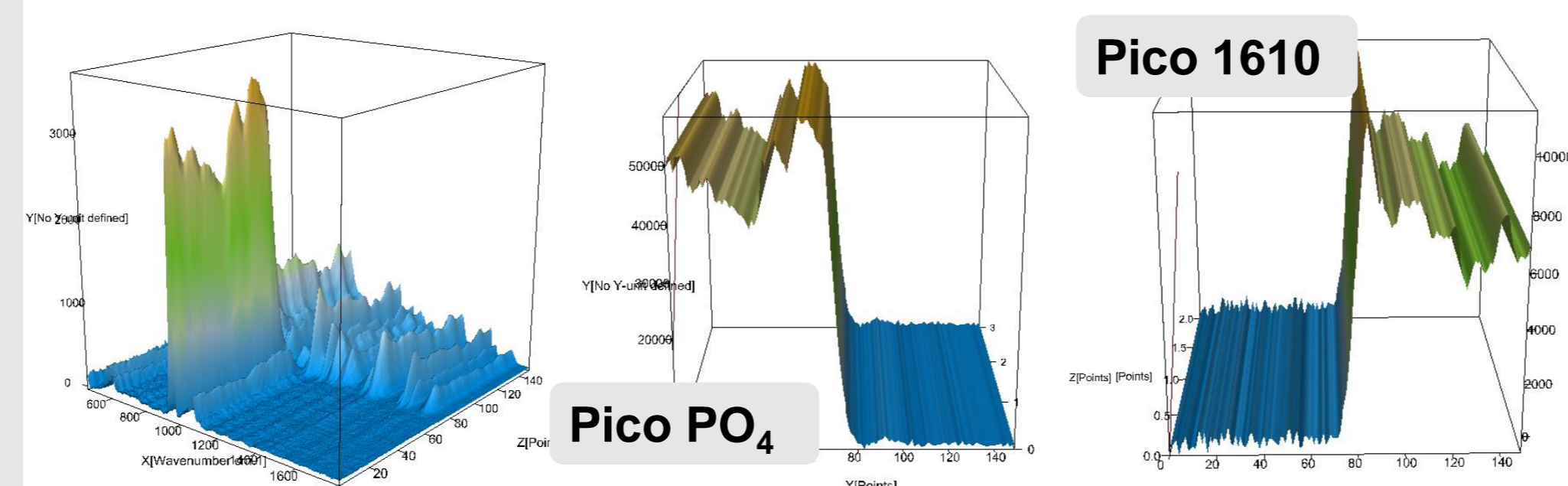
HA_{nano}

0%



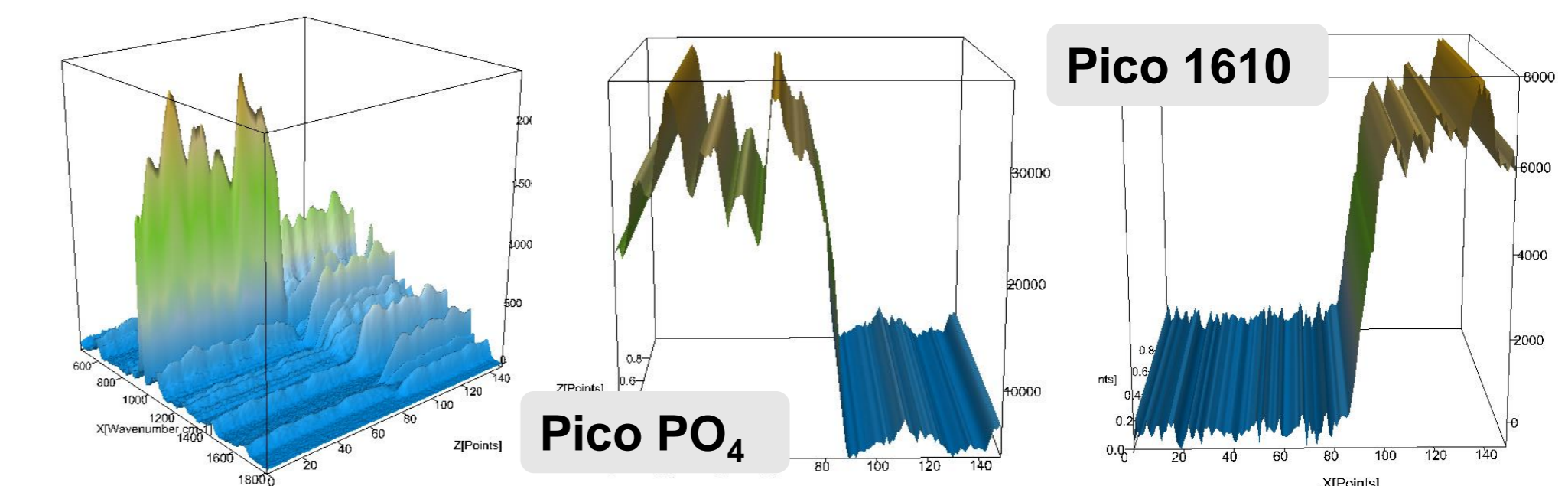
HA_{nano}

0,5%



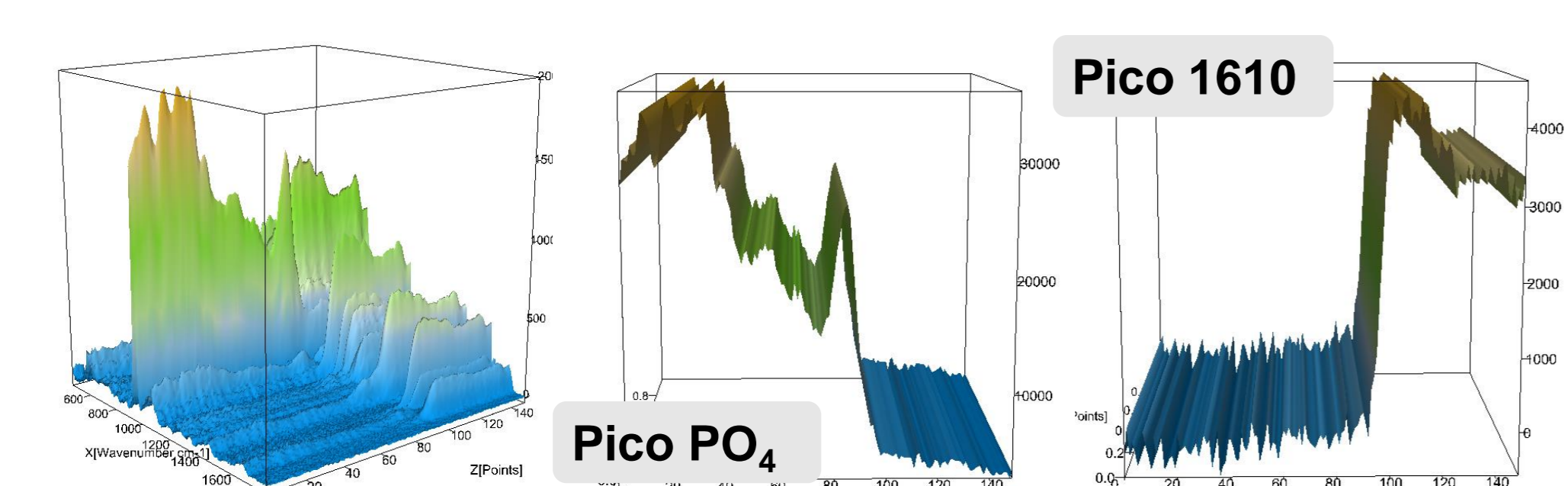
HA_{nano}

1%



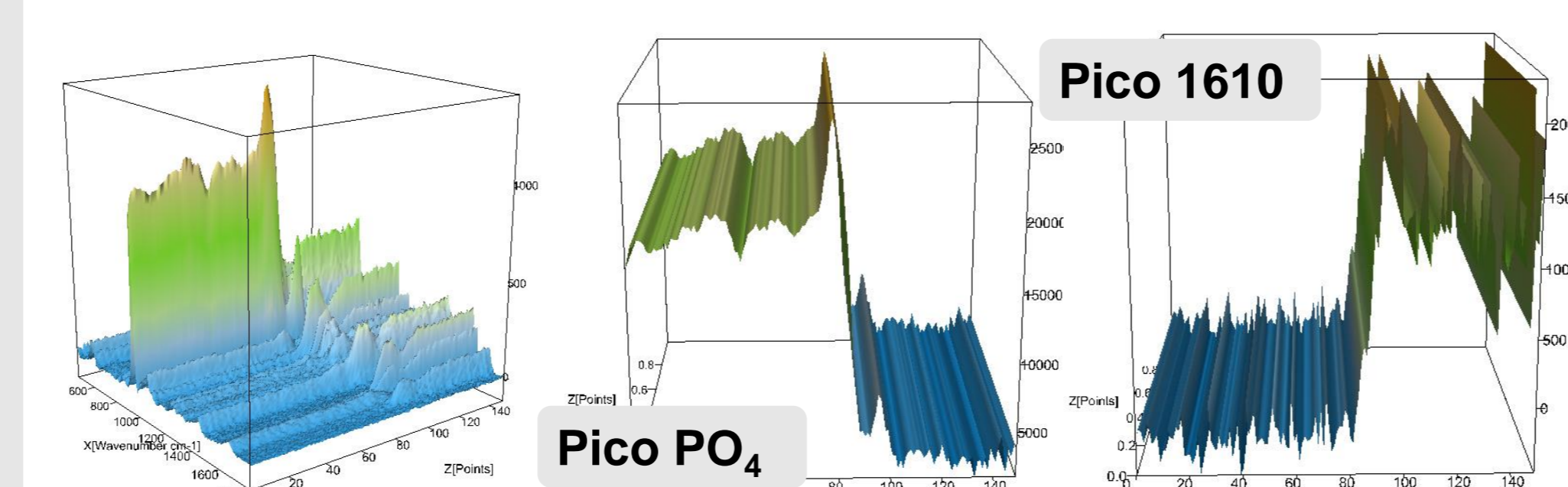
HA_{nano}

2%



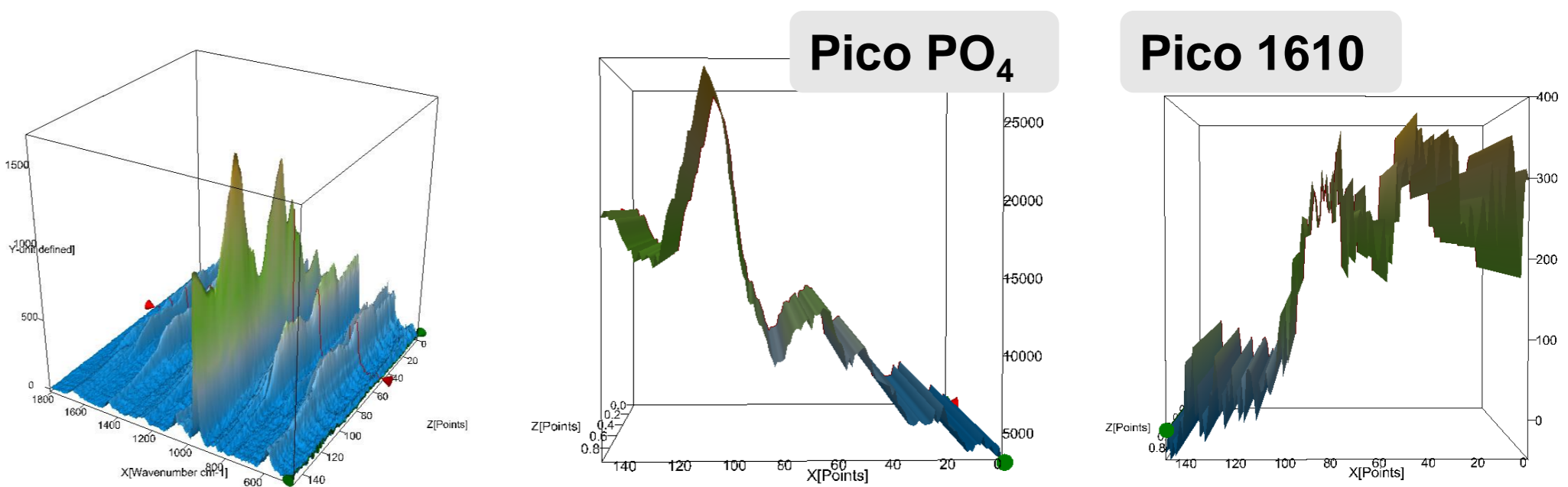
HA_{nano}

5%



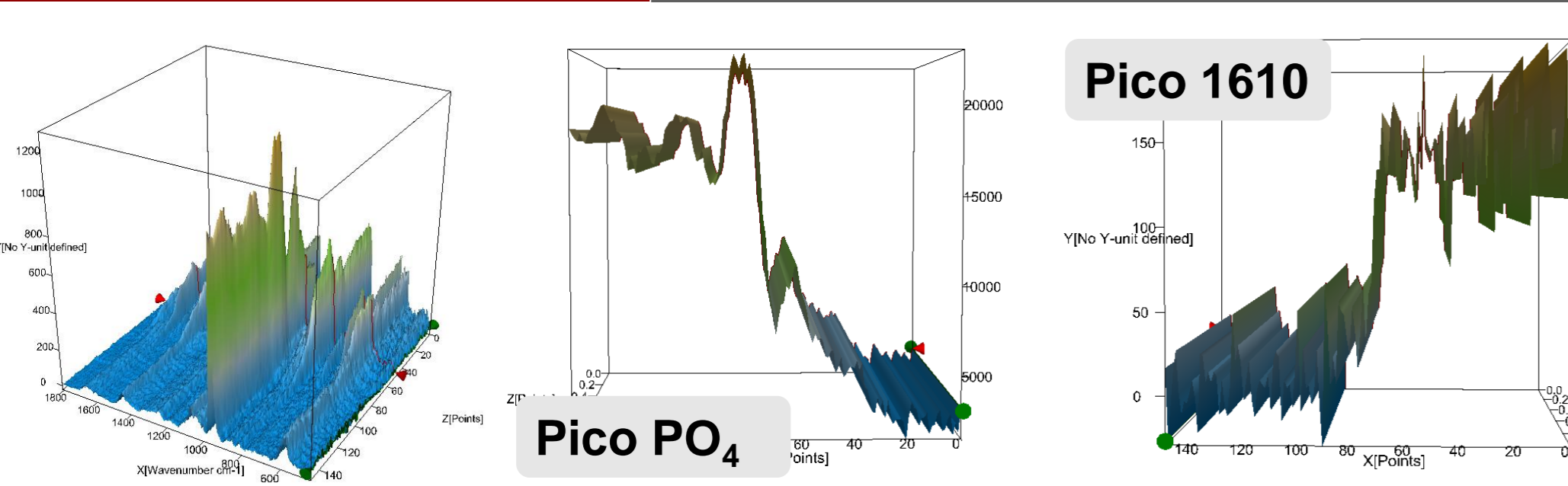
HA_{nano}

10%

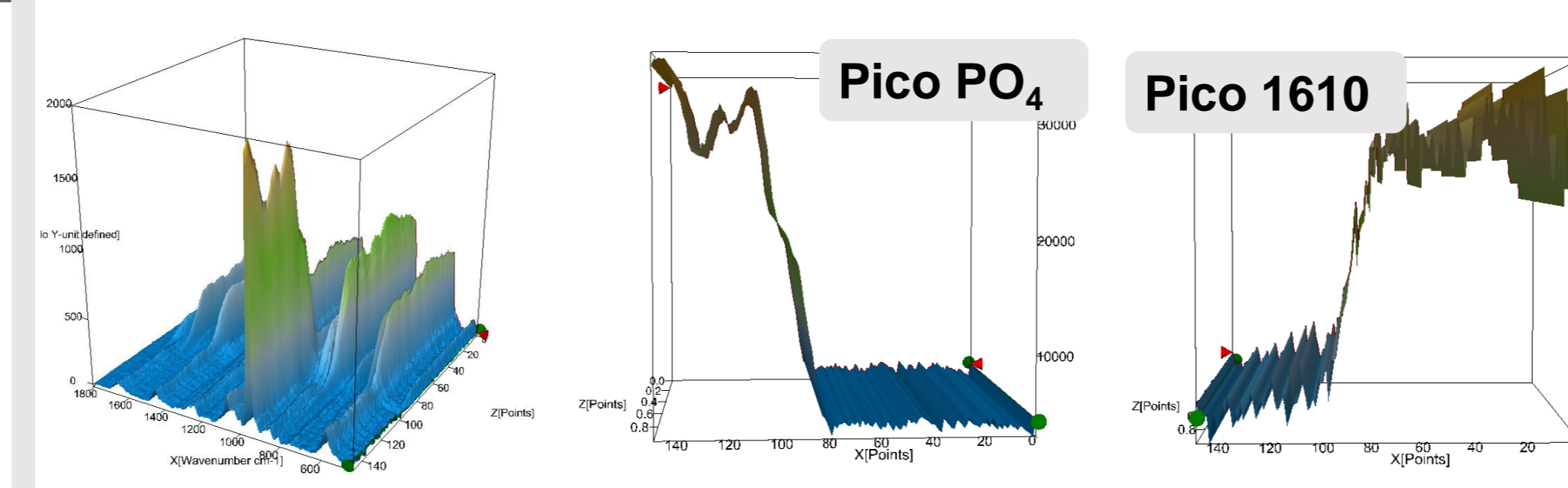


HA_{nano}

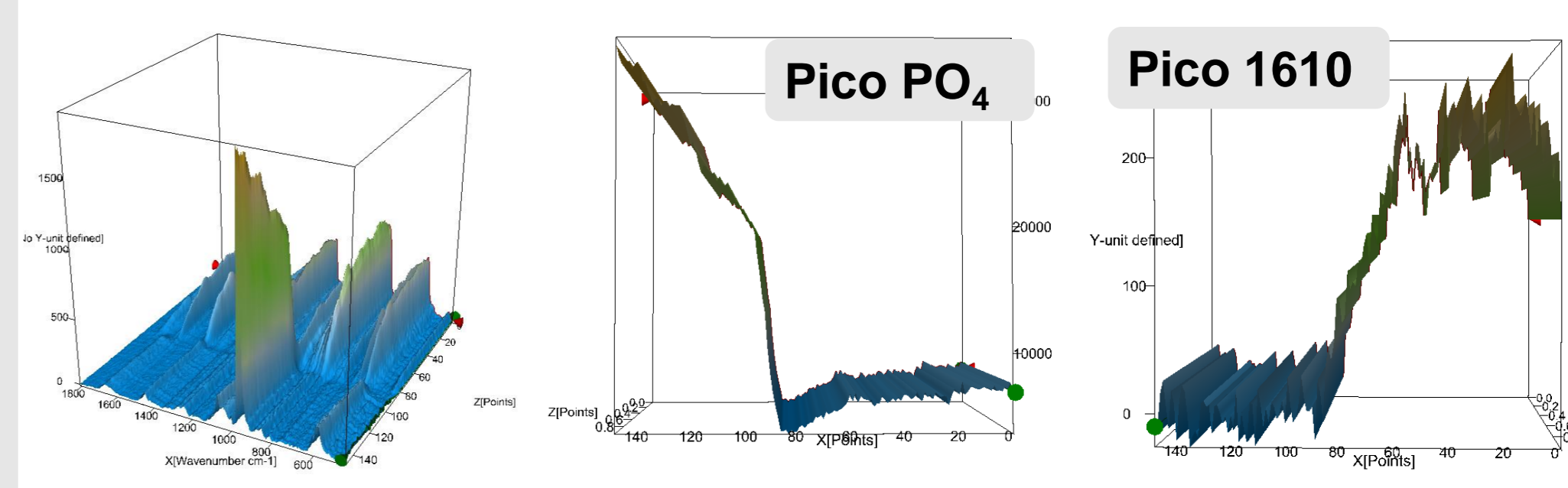
20%



ScotchBond Multipurpose



Fusion Duralink



RESULTADOS



O adesivo experimental com hidroxiapatita nanoestruturada parece ser um material promissor.

CONCLUSÃO

XXV Salão de Iniciação Científica

