

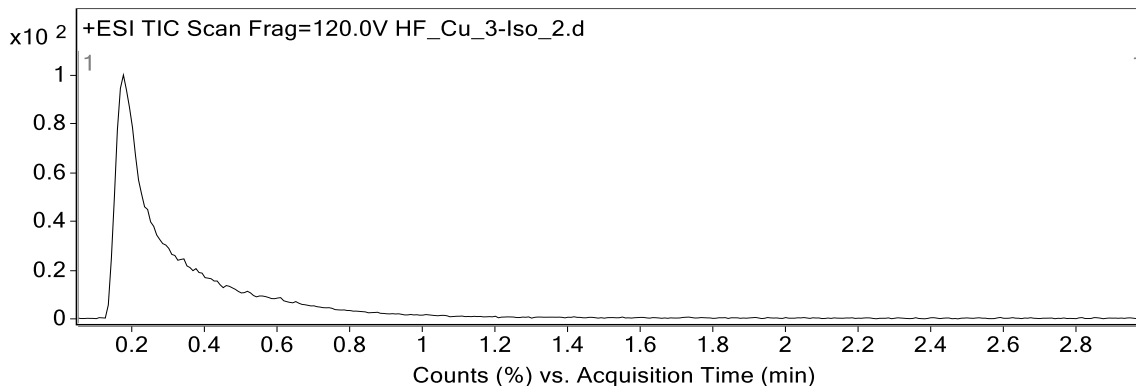
Qualitative Analysis Report

Data Filename	HF_Cu_3-Iso_2.d	Sample Name	HF_Cu_3-Iso
Sample Type	Sample	Position	P1-A3
Instrument Name	QTOF	User Name	
Acq Method	Test_DI_Pos.m	Acquired Time	8/3/2022 4:00:58 PM (UTC-04:00)
IRM Calibration Status	Success	DA Method	Default.m
Comment			

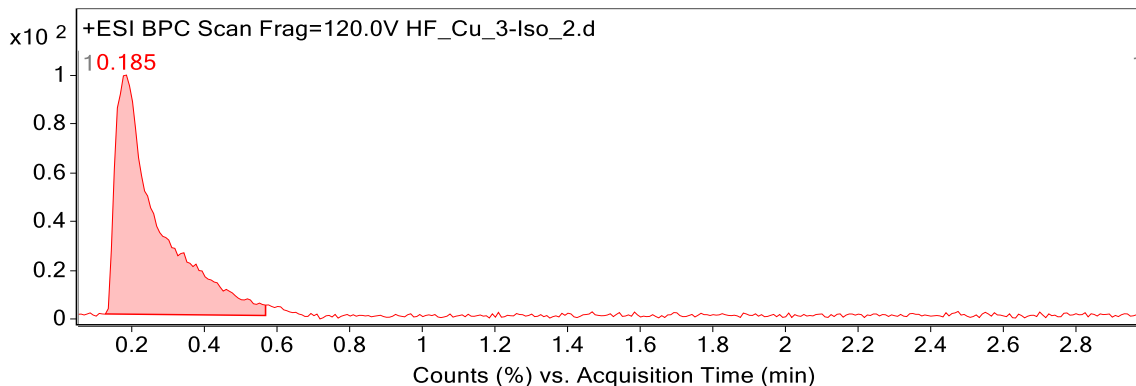
Sample Group		Info.	
Stream Name	LC 1	Acquisition Time (Local)	8/3/2022 4:00:58 PM (UTC-04:00)
Acquisition SW Version	6200 series TOF/6500 series Q-TOF 10.1 (48.0)	QTOF Driver Version	10.01.00
QTOF Firmware Version	25.809	Tune Mass Range Max.	3200

Chromatograms

Fragmentor Voltage 120 **Collision Energy** 0 **Ionization Mode** ESI



Fragmentor Voltage 120 **Collision Energy** 0 **Ionization Mode** ESI

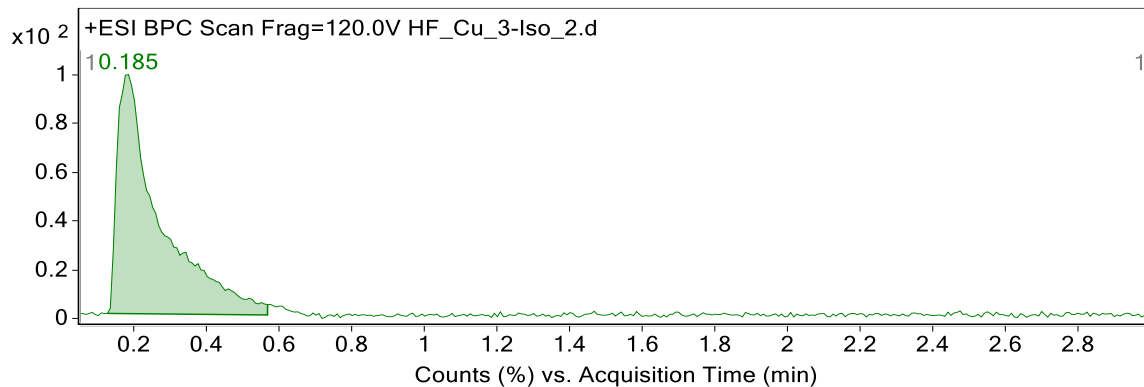


Integration Peak List

Peak	Start	RT	End	Height	Area	Area %
1	0.127	0.185	0.568	1088384.23	8960754.82	100

Fragmentor Voltage 120 **Collision Energy** 0 **Ionization Mode** ESI

Qualitative Analysis Report

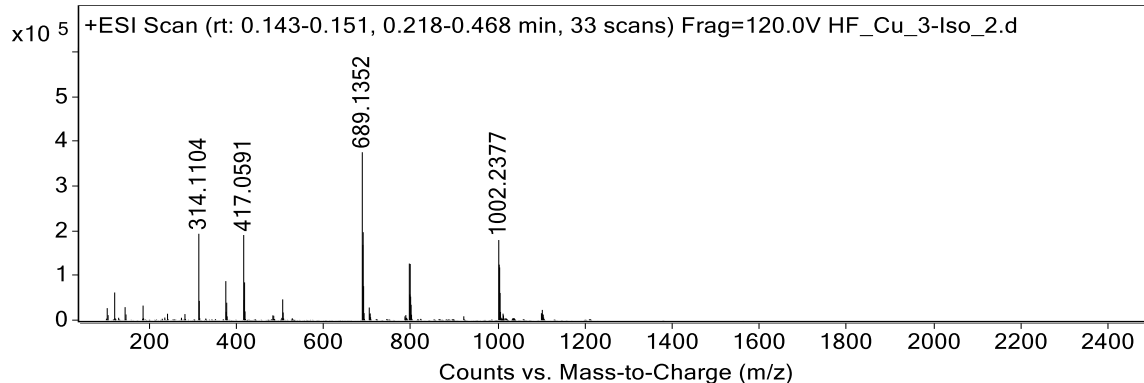


Integration Peak List

Peak	Start	RT	End	Height	Area	Area %
1	0.127	0.185	0.568	1088384.23	8960754.82	100

Spectra

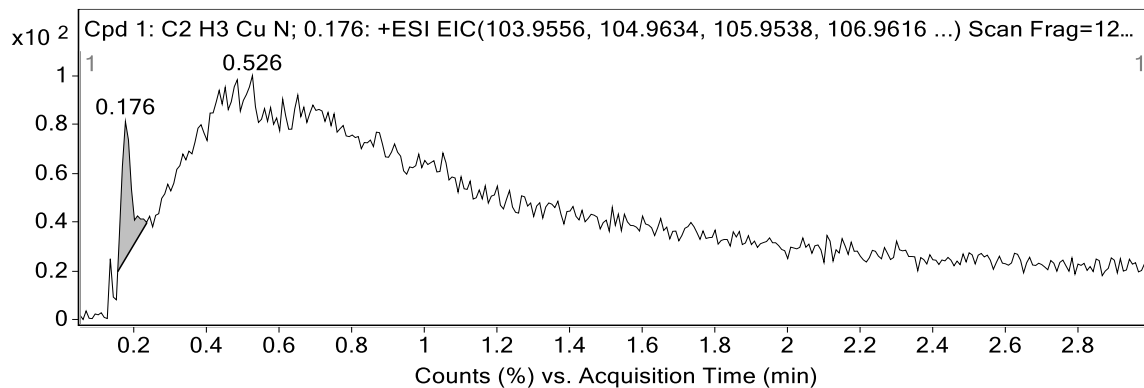
Spectrum Source Peak (1) in "+ BPC Scan" **Fragmentor Voltage** 120 **Collision Energy** 0 **Ionization Mode** ESI



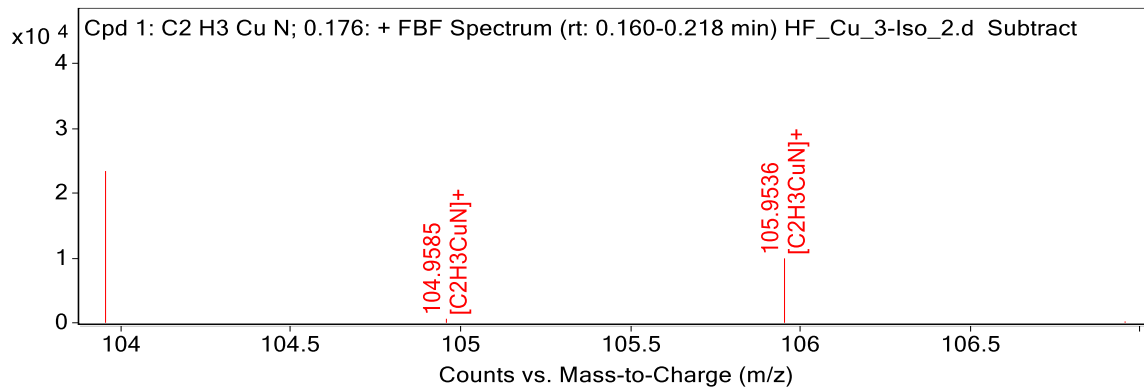
Peak List

m/z	Abund
314.1104	193375.22
417.0591	190556.2
689.1352	375915.31
691.1355	196890.27
1002.2377	179345.88

Compounds

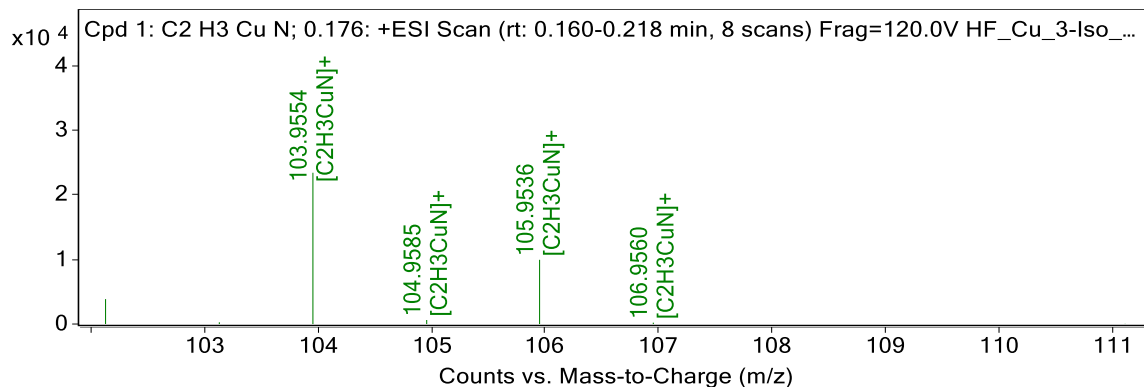


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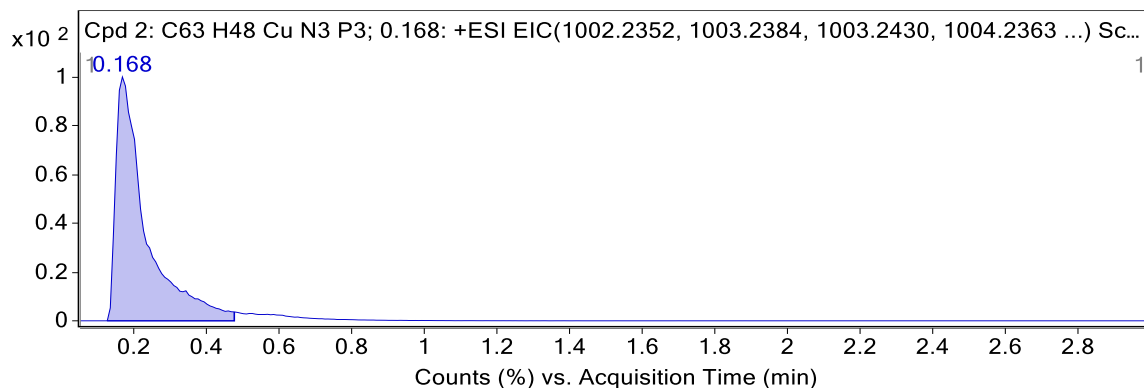
Peak List

m/z	z	Abund	Formula	Ion
103.9554	1	23424	C ₂ H ₃ CuN	M+
104.9585	1	623.52	C ₂ H ₃ CuN	M+
105.9536	1	9945.94	C ₂ H ₃ CuN	M+
106.956	1	210.77	C ₂ H ₃ CuN	M+

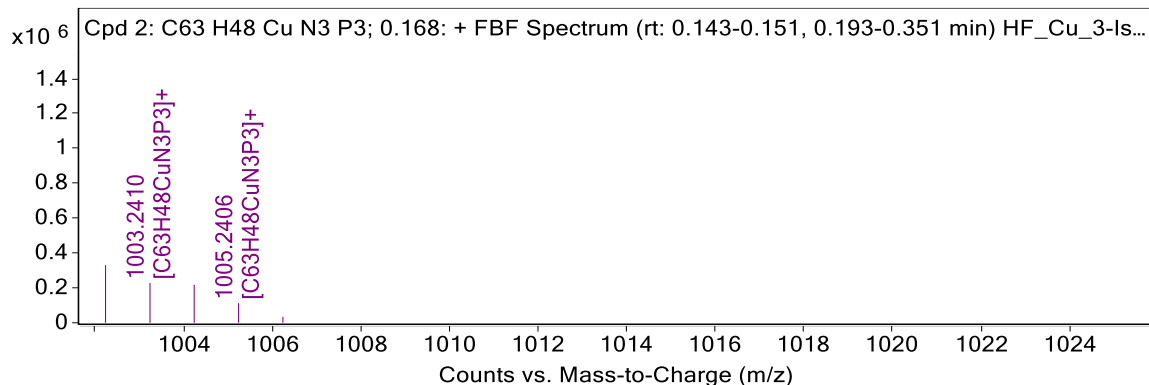


Peak List

m/z	z	Abund	Formula	Ion
103.9554	1	23424	C ₂ H ₃ CuN	M+
104.9585	1	623.52	C ₂ H ₃ CuN	M+
105.9536	1	9945.94	C ₂ H ₃ CuN	M+
106.956	1	210.77	C ₂ H ₃ CuN	M+

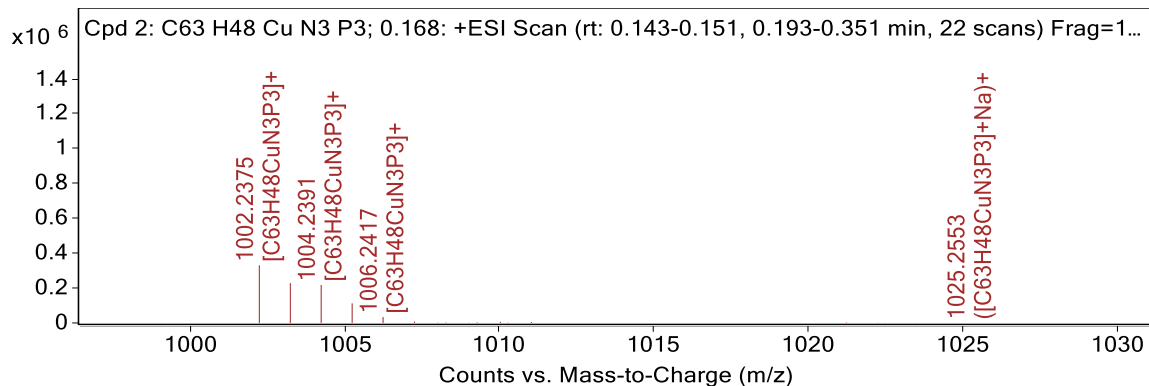


Qualitative Analysis Report



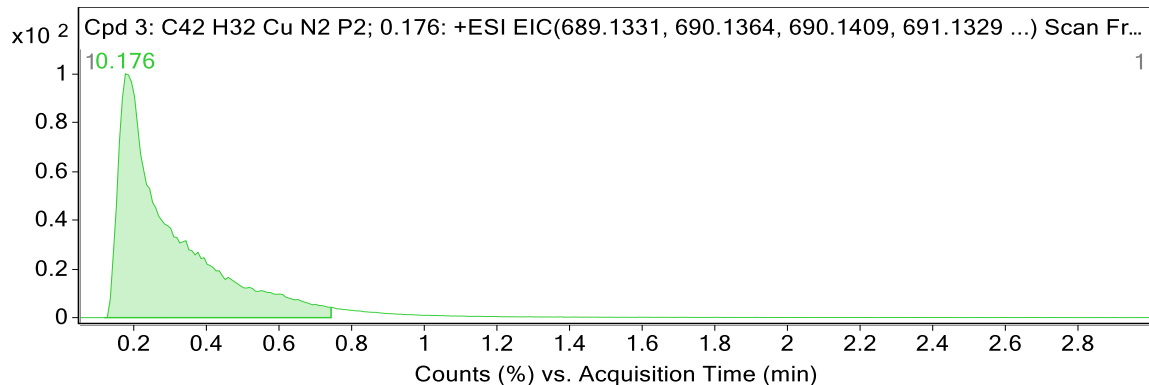
Peak List

m/z	z	Abund	Formula	Ion
1002.2375	1	330441.72	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1003.241	1	228525.75	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1004.2391	1	217757.36	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1005.2406	1	112576.82	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1006.2417	1	33899.93	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1025.2553	1	94.74	C ₆₃ H ₄₈ CuN ₃ P ₃	(M+Na)+

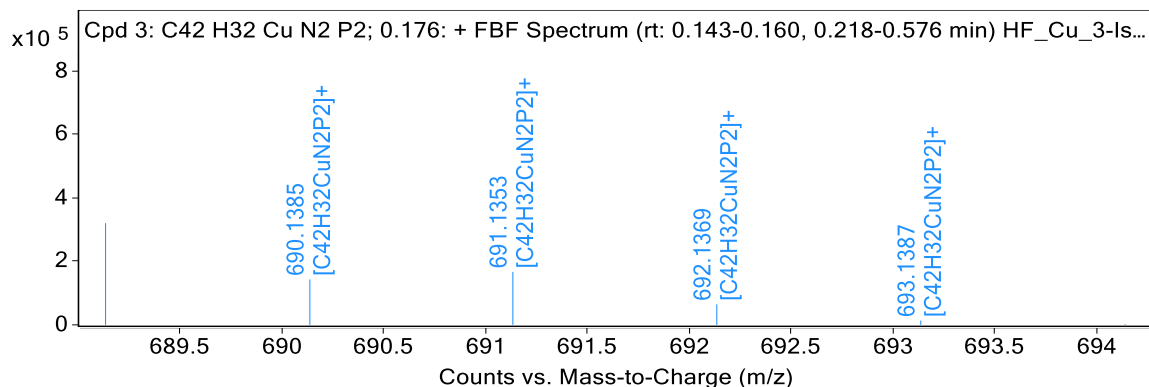


Peak List

m/z	z	Abund	Formula	Ion
1002.2375	1	330441.72	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1003.241	1	228525.75	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1004.2391	1	217757.36	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1005.2406	1	112576.82	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1006.2417	1	33899.93	C ₆₃ H ₄₈ CuN ₃ P ₃	M+
1025.2553	1	94.74	C ₆₃ H ₄₈ CuN ₃ P ₃	(M+Na)+

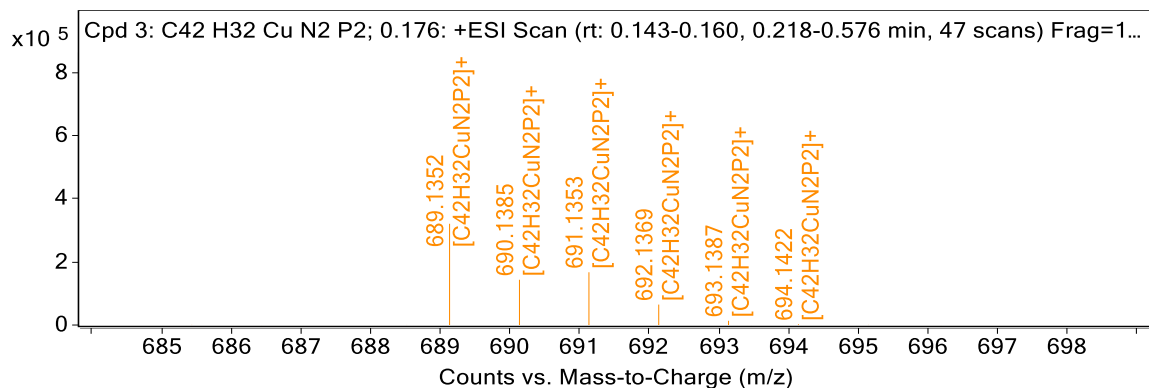


Qualitative Analysis Report



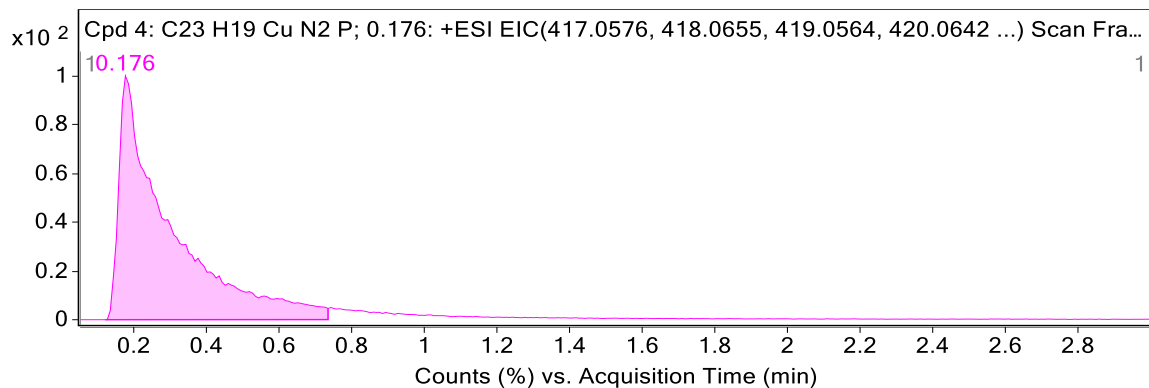
Peak List

m/z	z	Abund	Formula	Ion
689.1352	1	320313.78	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
690.1385	1	143169.27	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
691.1353	1	166893.84	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
692.1369	1	64680.89	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
693.1387	1	13412.84	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
694.1422	1	2320.05	C ₄₂ H ₃₂ CuN ₂ P ₂	M+

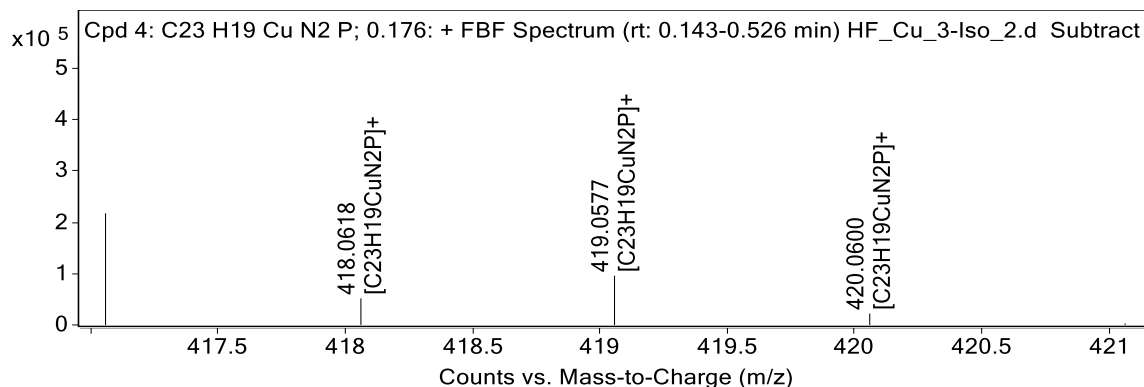


Peak List

m/z	z	Abund	Formula	Ion
689.1352	1	320313.78	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
690.1385	1	143169.27	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
691.1353	1	166893.84	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
692.1369	1	64680.89	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
693.1387	1	13412.84	C ₄₂ H ₃₂ CuN ₂ P ₂	M+
694.1422	1	2320.05	C ₄₂ H ₃₂ CuN ₂ P ₂	M+

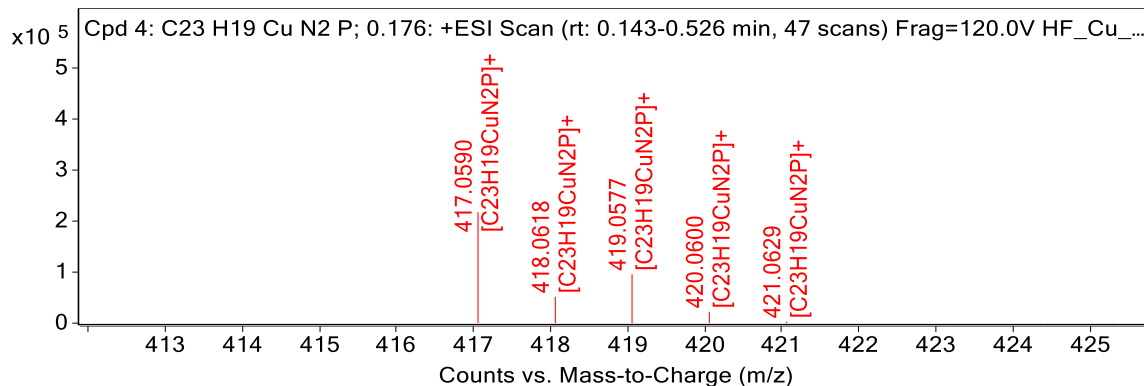


Qualitative Analysis Report



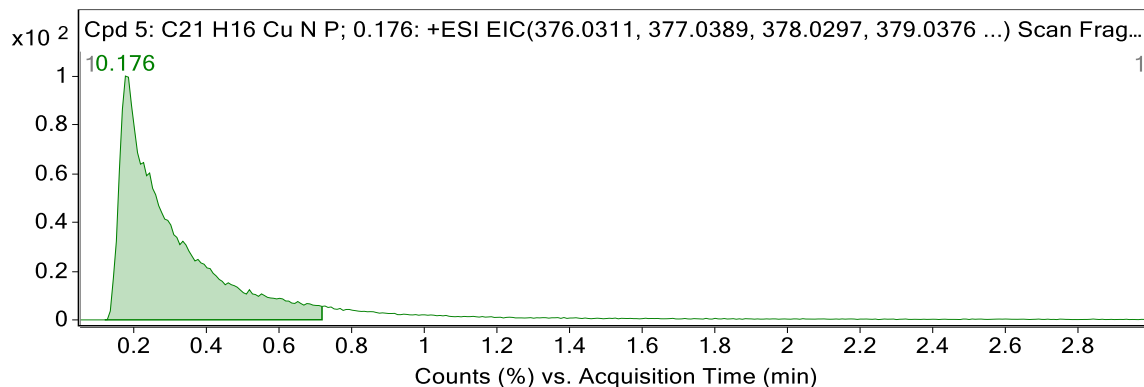
Peak List

m/z	z	Abund	Formula	Ion
417.059	1	217511.48	C ₂₃ H ₁₉ CuN ₂ P	M+
418.0618	1	51820.37	C ₂₃ H ₁₉ CuN ₂ P	M+
419.0577	1	95980.88	C ₂₃ H ₁₉ CuN ₂ P	M+
420.06	1	22334.12	C ₂₃ H ₁₉ CuN ₂ P	M+
421.0629	1	2779.36	C ₂₃ H ₁₉ CuN ₂ P	M+

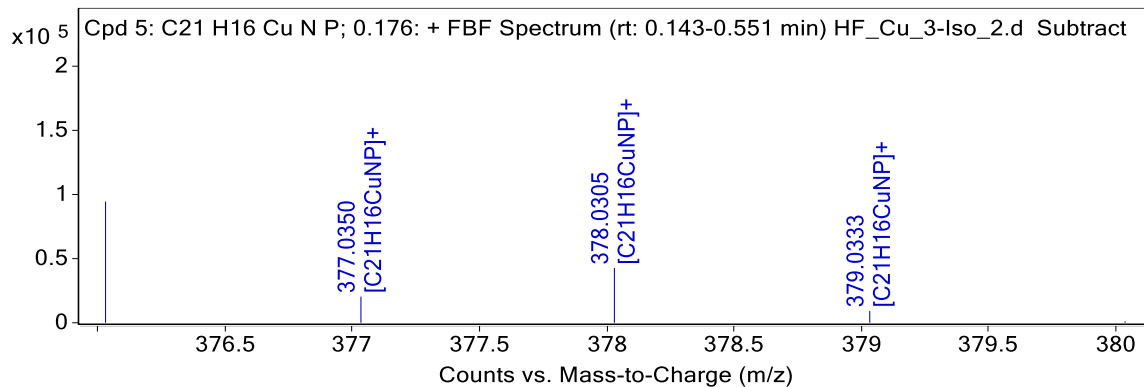


Peak List

m/z	z	Abund	Formula	Ion
417.059	1	217511.48	C ₂₃ H ₁₉ CuN ₂ P	M+
418.0618	1	51820.37	C ₂₃ H ₁₉ CuN ₂ P	M+
419.0577	1	95980.88	C ₂₃ H ₁₉ CuN ₂ P	M+
420.06	1	22334.12	C ₂₃ H ₁₉ CuN ₂ P	M+
421.0629	1	2779.36	C ₂₃ H ₁₉ CuN ₂ P	M+

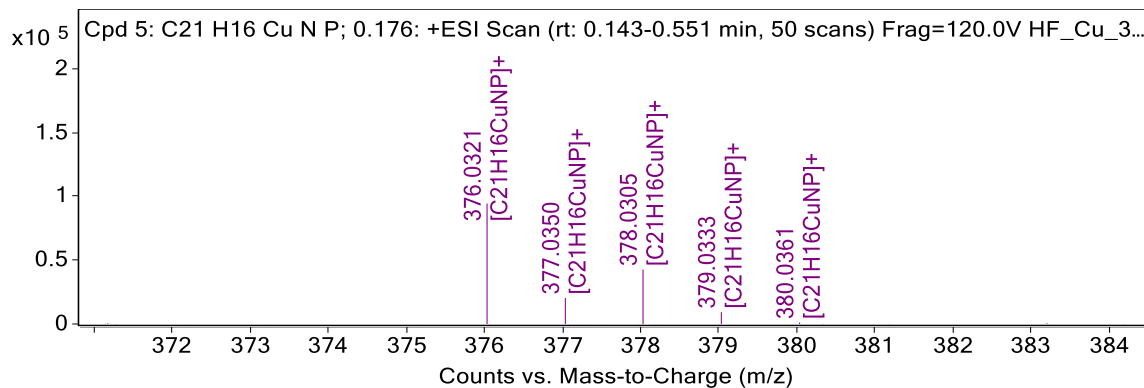


Qualitative Analysis Report



Peak List

m/z	z	Abund	Formula	Ion
376.0321	1	94364.89	C ₂₁ H ₁₆ CuNP	M+
377.035	1	20361.74	C ₂₁ H ₁₆ CuNP	M+
378.0305	1	42590.05	C ₂₁ H ₁₆ CuNP	M+
379.0333	1	9286.37	C ₂₁ H ₁₆ CuNP	M+
380.0361	1	1063.3	C ₂₁ H ₁₆ CuNP	M+



Peak List

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376.0321	1	94364.89	C ₂₁ H ₁₆ CuNP	M+
377.035	1	20361.74	C ₂₁ H ₁₆ CuNP	M+
378.0305	1	42590.05	C ₂₁ H ₁₆ CuNP	M+
379.0333	1	9286.37	C ₂₁ H ₁₆ CuNP	M+
380.0361	1	1063.3	C ₂₁ H ₁₆ CuNP	M+

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