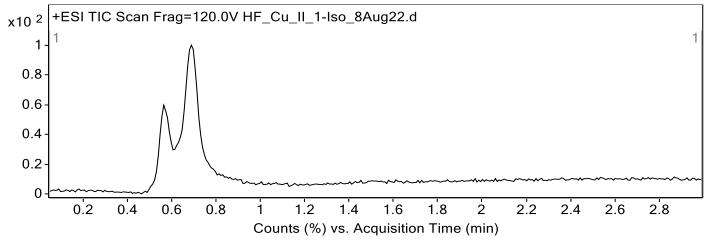
Qualitative Analysis Report

Data Filename	HF_Cu_II_1-Iso_8Aug22.d	**Sample Name**	HF_C1_Cu_II_1-Iso
Sample Type	Sample	**Position**	P1-A2
Instrument Name	QTOF	**User Name**	
Acq Method	Test_DI_Pos.m	**Acquired Time**	8/8/2022 10:23:11 AM (UTC-04:00)
IRM Calibration Status	Success	**DA Method**	Default.m
Comment	Reran complexation reaction under N2 and anhydrous MeCN. Random paptide column present		

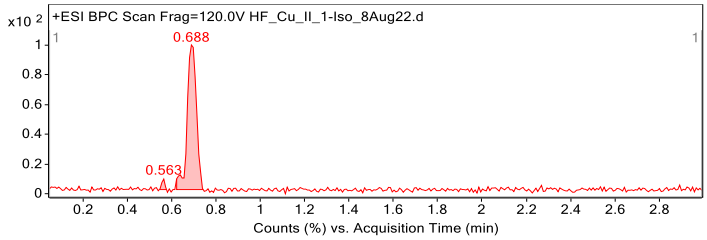
Sample Group Info.			
Stream Name	LC 1	**Acquisition Time (Local)**	8/8/2022 10:23:11 AM (UTC-04:00)
Acquisition SW Version	6200 series TOF/6500 series Q-TOF 10.1 (48.0)	**QTOF Driver Version**	10.01.00
QTOF Firmware Version	25.809	**Tune Mass Range Max.**	3200

Chromatograms

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



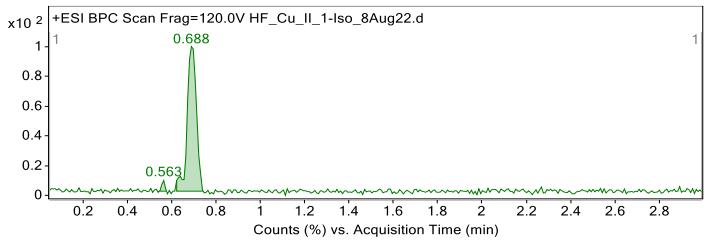
Fragmentor Voltage 120 **Collision Energy** 0 **Ionization Mode** ESI



Integration Peak List

Peak	Start	RT	End	Height	Area	Area %
1	0.543	0.563	0.575	79998.37	73459.5	2.29
2	0.621	0.688	0.741	1098595.34	3206549.35	100

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



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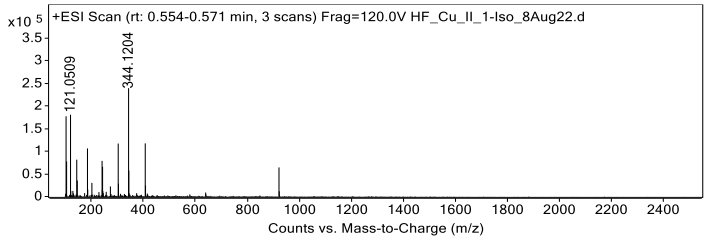
Spectra

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

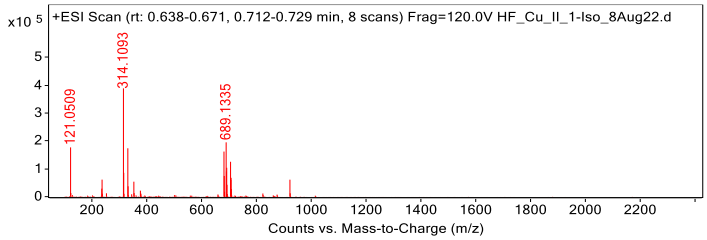


Peak List

m/z	Abund
103.9555	177048.58
121.0509	180539.55
304.3004	116870.93
344.1204	239050.98

408.1186	117325.46

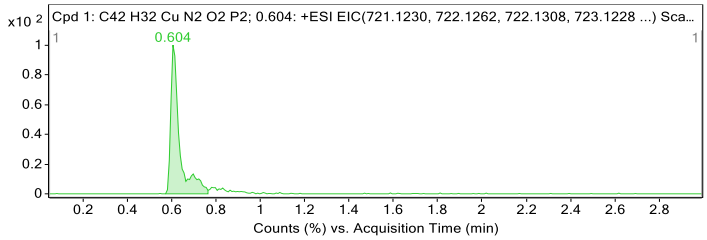
Spectrum Source	Fragmentor Voltage	Collision Energy	Ionization Mode
Peak (2) in "+ BPC Scan"	120	0	ESI

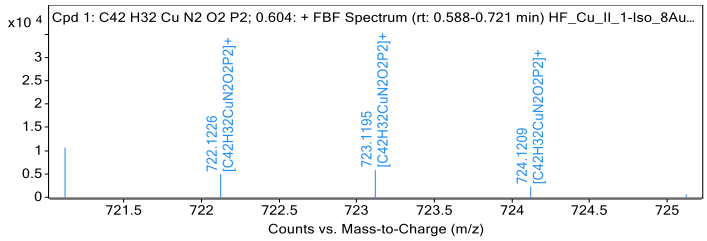


Peak List

m/z	Abund
121.0509	176772.59
314.1093	388526.25
330.1047	173564.81
681.1838	161776.61
689.1335	194891.42

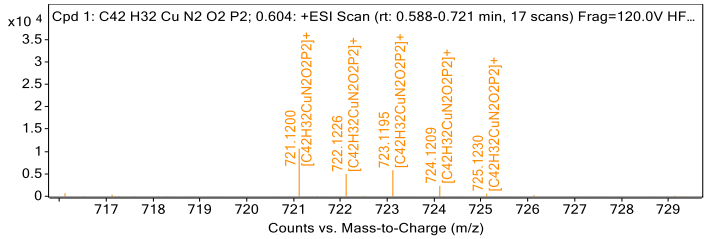
Compounds





Peak List

m/z	z	Abund	Formula	Ion
721.12	1	10653.05	C42H32CuN2O2P2	M+
722.1226	1	4945.74	C42H32CuN2O2P2	M+
723.1195	1	5801.48	C42H32CuN2O2P2	M+
724.1209	1	2328.66	C42H32CuN2O2P2	M+
725.123	1	576.25	C42H32CuN2O2P2	M+



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m/z	z	Abund	Formula	Ion
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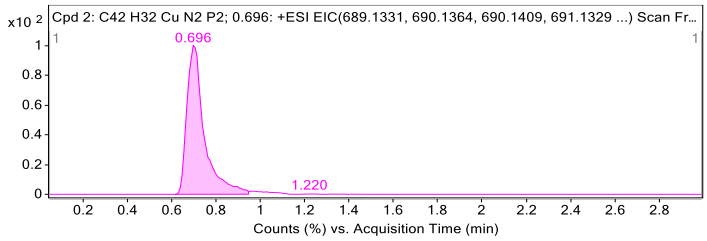
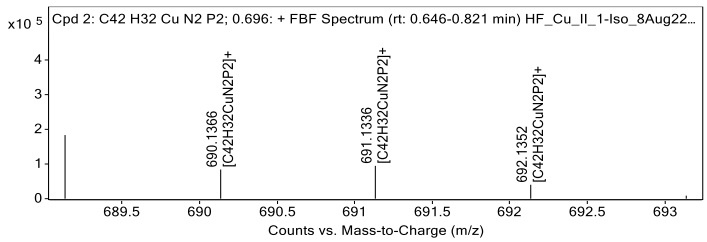
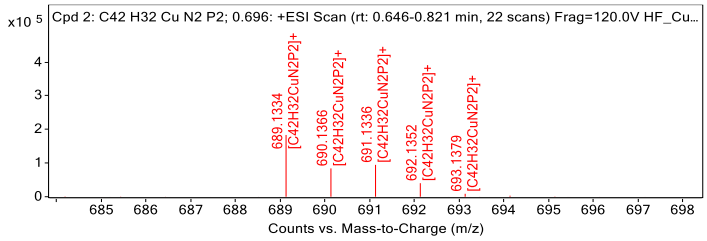
725.123	1	576.25	C42H32CuN2O2P2	M+





Peak List

m/z	z	Abund	Formula	Ion
689.1334	1	183604.22	C42H32CuN2P2	M+
690.1366	1	84206.49	C42H32CuN2P2	M+
691.1336	1	94749.55	C42H32CuN2P2	M+
692.1352	1	40236.19	C42H32CuN2P2	M+
693.1379	1	8752.54	C42H32CuN2P2	M+



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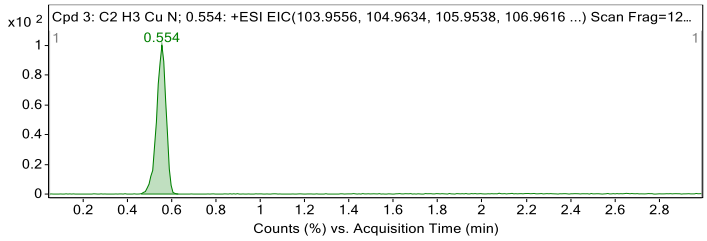
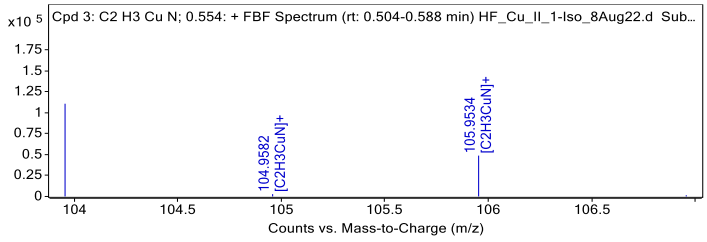
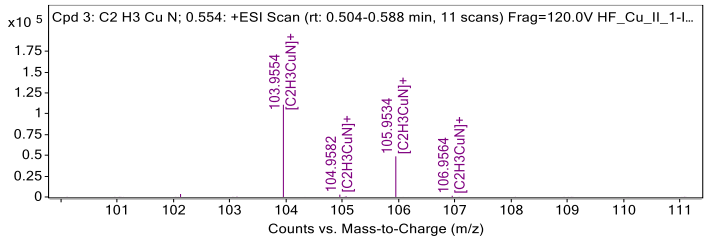
m/z	z	Abund	Formula	Ion
689.1334	1	183604.22	C42H32CuN2P2	M+
690.1366	1	84206.49	C42H32CuN2P2	M+
691.1336	1	94749.55	C42H32CuN2P2	M+
692.1352	1	40236.19	C42H32CuN2P2	M+
693.1379	1	8752.54	C42H32CuN2P2	M+





Peak List

m/z	z	Abund	Formula	Ion
103.9554	1	110845.55	C2H3CuN	M+
104.9582	1	2810.8	C2H3CuN	M+
105.9534	1	48822.1	C2H3CuN	M+
106.9564	1	1454.22	C2H3CuN	M+



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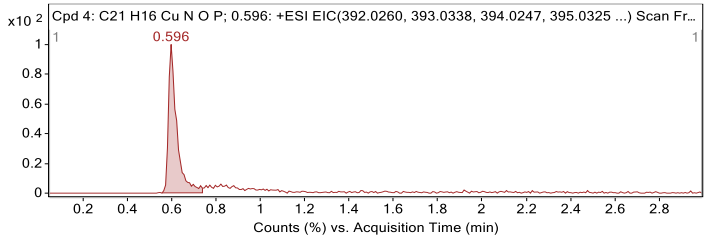
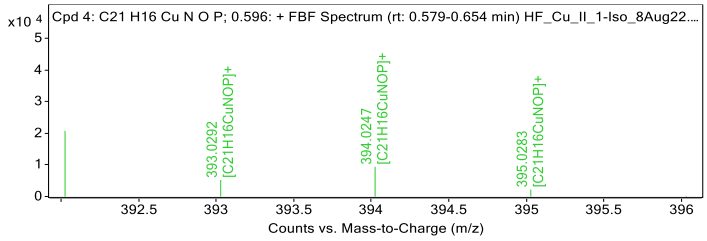
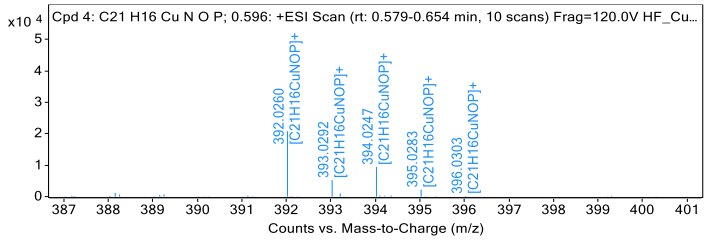
m/z	z	Abund	Formula	Ion
103.9554	1	110845.55	C2H3CuN	M+
104.9582	1	2810.8	C2H3CuN	M+
105.9534	1	48822.1	C2H3CuN	M+
106.9564	1	1454.22	C2H3CuN	M+





Peak List

m/z	z	Abund	Formula	Ion
392.026	1	20782.75	C21H16CuNOP	M+
393.0292	1	5235.91	C21H16CuNOP	M+
394.0247	1	9411.81	C21H16CuNOP	M+
395.0283	1	2218.18	C21H16CuNOP	M+
396.0303	1	205.37	C21H16CuNOP	M+



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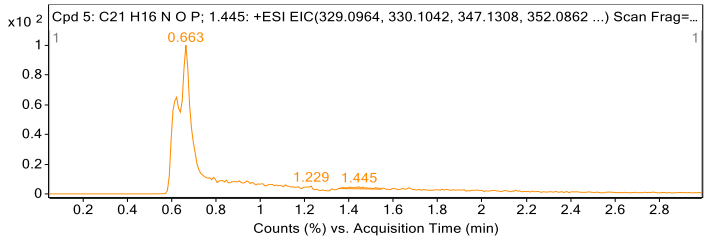
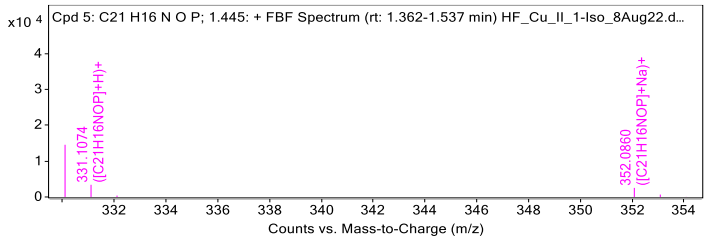
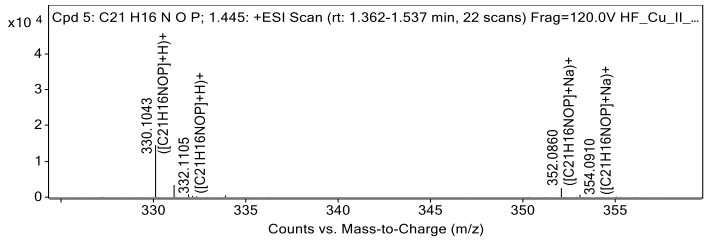
392.026	1	20782.75	C21H16CuNOP	M+
393.0292	1	5235.91	C21H16CuNOP	M+
394.0247	1	9411.81	C21H16CuNOP	M+
395.0283	1	2218.18	C21H16CuNOP	M+
396.0303	1	205.37	C21H16CuNOP	M+





Peak List

m/z	z	Abund	Formula	Ion
330.1043	1	14552.77	C21H16NOP	(M+H)+
331.1074	1	3401.55	C21H16NOP	(M+H)+
332.1105	1	383.51	C21H16NOP	(M+H)+
352.086	1	2529.69	C21H16NOP	(M+Na)+
353.0893	1	669.03	C21H16NOP	(M+Na)+
354.091	1	32.84	C21H16NOP	(M+Na)+



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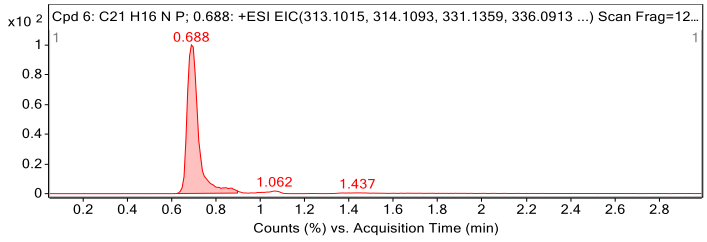
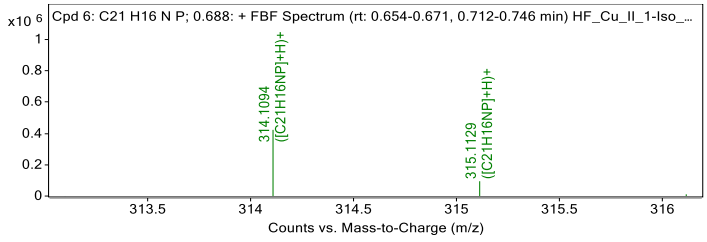
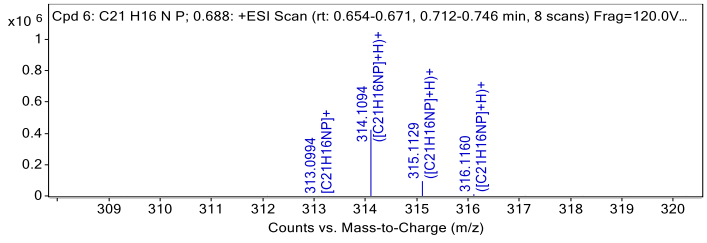
m/z	z	Abund	Formula	Ion
330.1043	1	14552.77	C21H16NOP	(M+H)+
331.1074	1	3401.55	C21H16NOP	(M+H)+
332.1105	1	383.51	C21H16NOP	(M+H)+
352.086	1	2529.69	C21H16NOP	(M+Na)+
353.0893	1	669.03	C21H16NOP	(M+Na)+
354.091	1	32.84	C21H16NOP	(M+Na)+





Peak List

m/z	z	Abund	Formula	Ion
313.0994	1	371.44	C21H16NP	M+
314.1094	1	422514.84	C21H16NP	(M+H)+
315.1129	1	94561.46	C21H16NP	(M+H)+
316.116	1	11095.66	C21H16NP	(M+H)+



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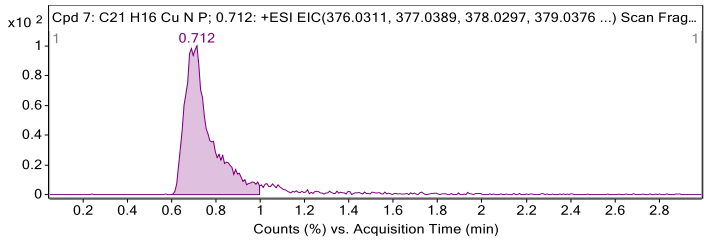
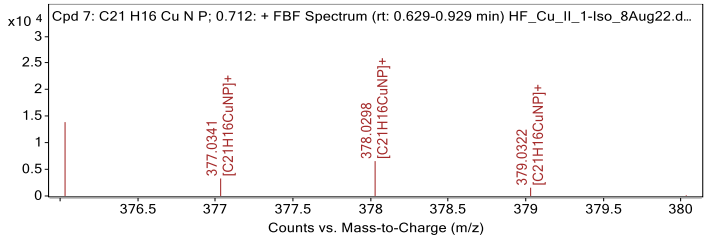
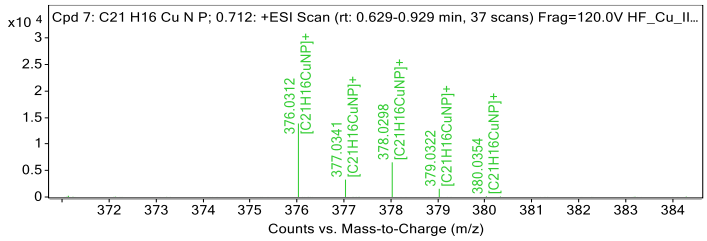
315.1129	1	94561.46	C21H16NP	(M+H)+
316.116	1	11095.66	C21H16NP	(M+H)+





Peak List

m/z	z	Abund	Formula	Ion
376.0312	1	13888.54	C21H16CuNP	M+
377.0341	1	3287.75	C21H16CuNP	M+
378.0298	1	6554.68	C21H16CuNP	M+
379.0322	1	1553.48	C21H16CuNP	M+
380.0354	1	131.16	C21H16CuNP	M+



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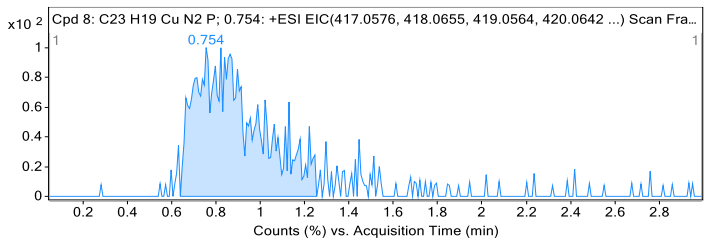
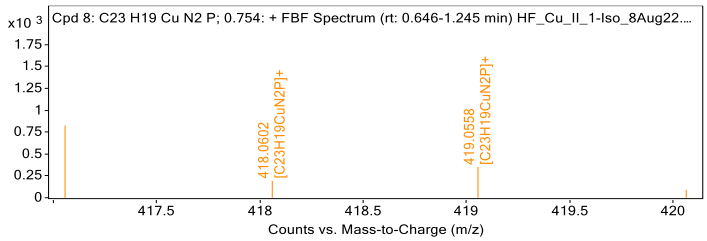
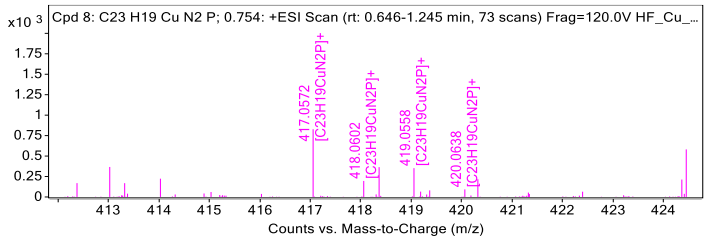
377.0341	1	3287.75	C21H16CuNP	M+
378.0298	1	6554.68	C21H16CuNP	M+
379.0322	1	1553.48	C21H16CuNP	M+
380.0354	1	131.16	C21H16CuNP	M+





Peak List

m/z	z	Abund	Formula	Ion
417.0572	1	826.13	C23H19CuN2P	M+
418.0602	1	195.35	C23H19CuN2P	M+
419.0558	1	351.24	C23H19CuN2P	M+
420.0638	1	92.44	C23H19CuN2P	M+



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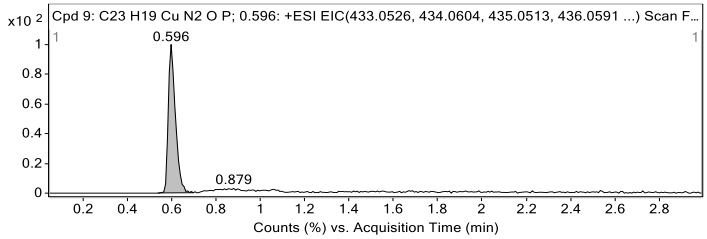
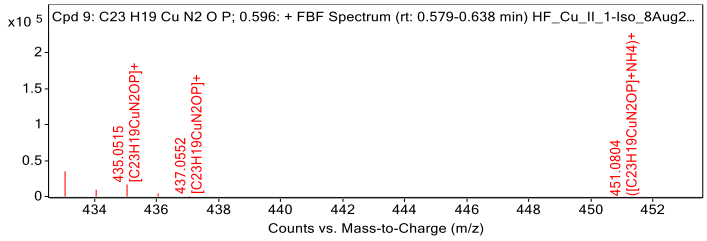
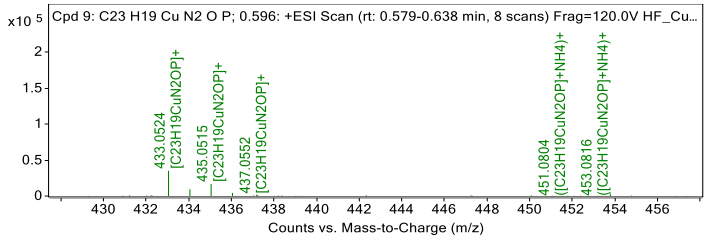
418.0602	1	195.35	C23H19CuN2P	M+
419.0558	1	351.24	C23H19CuN2P	M+
420.0638	1	92.44	C23H19CuN2P	M+





Peak List

m/z	z	Abund	Formula	Ion
433.0524	1	35121.56	C23H19CuN2OP	M+
434.0555	1	9407.71	C23H19CuN2OP	M+
435.0515	1	16823.3	C23H19CuN2OP	M+
436.0543	1	4334.02	C23H19CuN2OP	M+
437.0552	1	621.03	C23H19CuN2OP	M+
438.0638	1	29.55	C23H19CuN2OP	M+
451.0804	1	438.8	C23H19CuN2OP	(M+NH4)+
453.0816	1	99.05	C23H19CuN2OP	(M+NH4)+



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m/z	z	Abund	Formula	Ion
433.0524	1	35121.56	C23H19CuN2OP	M+
434.0555	1	9407.71	C23H19CuN2OP	M+
435.0515	1	16823.3	C23H19CuN2OP	M+
436.0543	1	4334.02	C23H19CuN2OP	M+
437.0552	1	621.03	C23H19CuN2OP	M+
438.0638	1	29.55	C23H19CuN2OP	M+
451.0804	1	438.8	C23H19CuN2OP	(M+NH4)+
453.0816	1	99.05	C23H19CuN2OP	(M+NH4)+

--- End Of Report ---