Instrument Tuning Report

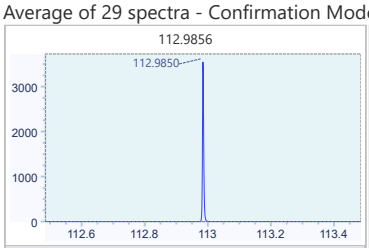
9/23/2024 8:19 AM

Instrument Name:	ZenoTOF™ 7600 System LC200	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

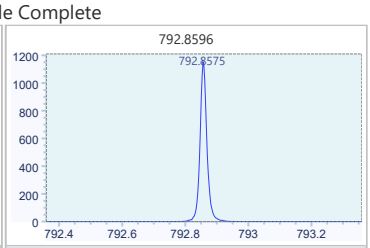
1. Negative MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000489990657945629, previous was 0.000489990657945629 Delay: -13.5955573632082, previous was -13.5955573632082

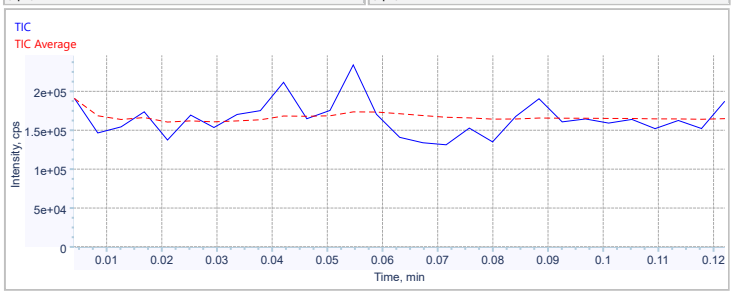
Average of 29 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9850	Pass
Sum Intensity (cps)	1000	1e+11	15676	Pass

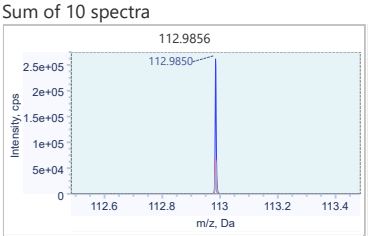


Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8575	Pass
Sum Intensity (cps)	1000	1e+11	10710	Pass

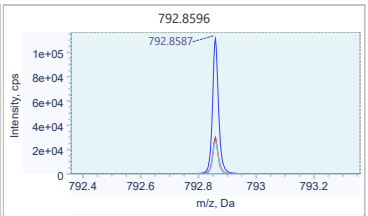


Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	112.7356	113.2356	112.985	Pass
Resolution	0	100000	29664	Pass
Sum Intensity (cps)	0	1e+11	1.1107e+06	Pass



Item	Min	Max	Actual	Status
Mass (Da)	792.6096	793.1096	792.8587	Pass
Resolution	0	100000	38155	Pass
Sum Intensity (cps)	0	1e+11	1.0021e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	0.036181878	0.041129906	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.061376086	-10.43249889	Pass
Channel 3 vs. 2 Slope	-50	50	-0.107695509	-0.107366206	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.585505072	-3.94961802	Pass
Channel 4 vs. 2 Slope	-50	50	-0.274855849	-0.269955971	Pass
Channel 4 vs. 2 Intercept	-50	50	8.355386412	7.910273767	Pass

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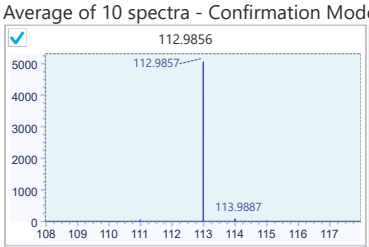
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

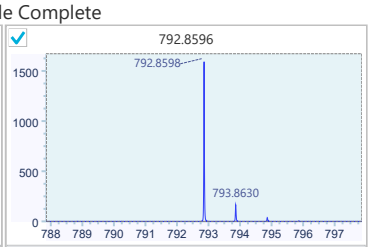
TOF MS Mass Check — Pass

Slope: 0.000489990275006645, previous was 0.000489990657945629
Delay: -13.5789137258397, previous was -13.5955573632082

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9857	Pass
Resolution	21000	100000	28071	Pass
Sum Intensity (cps)	1000	1e+11	22212	Pass
Error (ppm)	-2.00	2.00	1.02494	Pass

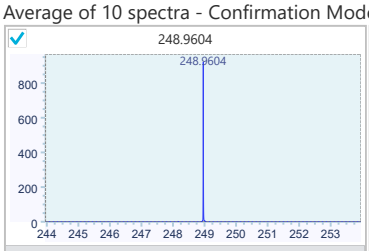


Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8598	Pass
Resolution	26000	100000	38818	Pass
Sum Intensity (cps)	1000	1e+11	14038	Pass
Error (ppm)	-2.00	2.00	0.24239	Pass

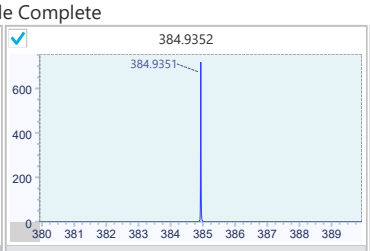
TOF MS/MS Mass Check — Pass

Slope: 0.000489989015638218, previous was 0.000489989453612945
Delay: -13.6832899700256, previous was -13.6794256221511

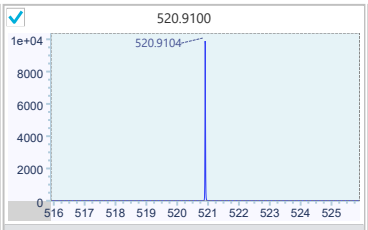
Average of 10 spectra - Confirmation Mode Complete



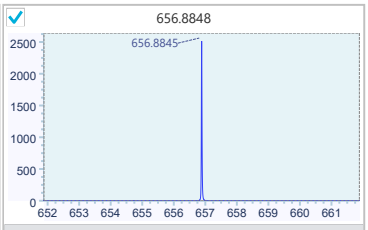
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9604	Pass
Resolution	22000	100000	26632	Pass
Sum Intensity (cps)	100	1e+11	6529.5	Pass
Error (ppm)	-2.00	2.00	0.00255	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9351	Pass
Resolution	24000	100000	26295	Pass
Sum Intensity (cps)	100	1e+11	6514.2	Pass
Error (ppm)	-2.00	2.00	-0.25321	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9104	Pass
Resolution	25000	100000	34717	Pass
Sum Intensity (cps)	100	1e+11	77588	Pass
Error (ppm)	-2.00	2.00	0.6911	Pass

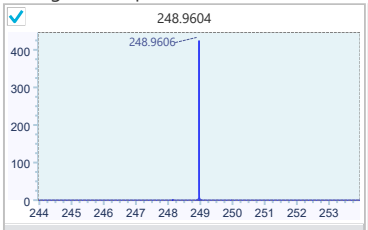


Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8845	Pass
Resolution	26000	100000	29341	Pass
Sum Intensity (cps)	100	1e+11	27055	Pass
Error (ppm)	-2.00	2.00	-0.43894	Pass

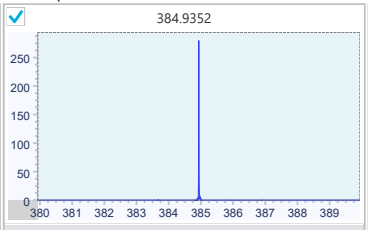
TOF MS/MS Mass Check Zeno On — Pass

Slope: 0.000489988235279896, previous was 0.000489989233921791
Delay: -13.6751130110889, previous was -13.6410189235612

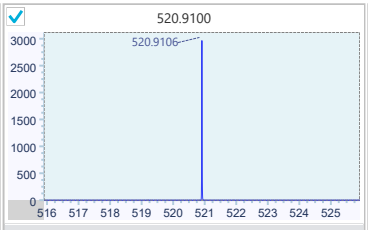
Average of 10 spectra - Confirmation Mode Complete



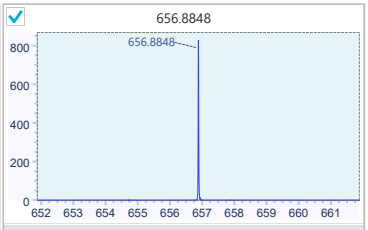
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9606	Pass
Resolution	22000	100000	33345	Pass
Sum Intensity (cps)	100	1e+11	2440.8	Pass
Error (ppm)	-2.00	2.00	0.97091	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9352	Pass
Resolution	24000	100000	33750	Pass
Sum Intensity (cps)	100	1e+11	2029.4	Pass
Error (ppm)	-2.00	2.00	0.04945	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9106	Pass
Resolution	25000	100000	35754	Pass
Sum Intensity (cps)	100	1e+11	21649	Pass
Error (ppm)	-2.00	2.00	1.18297	Pass



Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8848	Pass
Resolution	26000	100000	35716	Pass
Sum Intensity (cps)	100	1e+11	7106.8	Pass
Error (ppm)	-2.00	2.00	-0.02634	Pass