Instrument Tuning Report

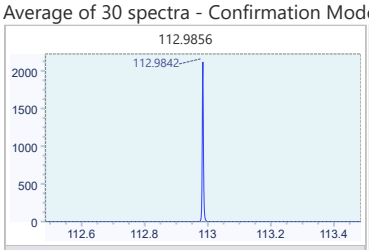
12/6/2024 8:56 AM

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		

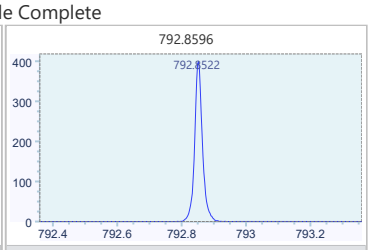
1. Negative MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490104058410081, previous was 0.000490104058410081 Delay: -13.6619167118365, previous was -13.6619167118365

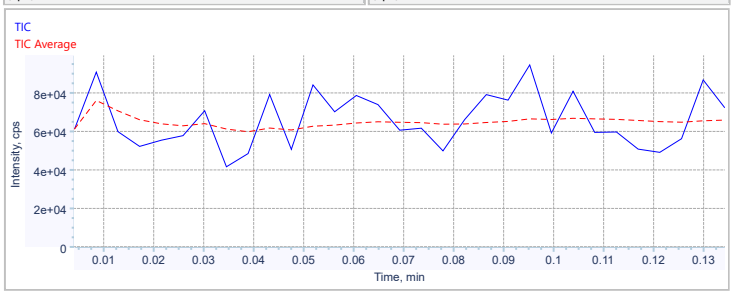
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9842	Pass
Sum Intensity (cps)	1000	1e+11	9105.3	Pass

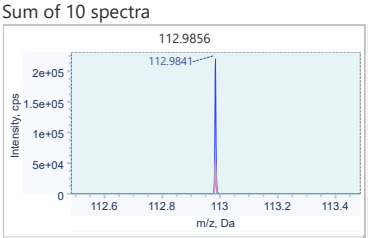


Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8522	Pass
Sum Intensity (cps)	1000	1e+11	4071.4	Pass

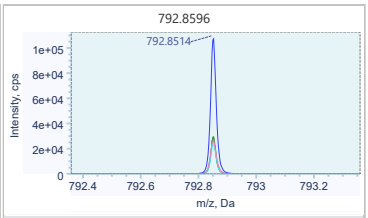


Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	112.7356	113.2356	112.9841	Pass
Resolution	0	100000	29199	Pass
Sum Intensity (cps)	0	1e+11	9.4238e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	792.6096	793.1096	792.8514	Pass
Resolution	0	100000	38794	Pass
Sum Intensity (cps)	0	1e+11	9.3654e+05	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	0.034258228	0.036142836	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.011785537	-10.453928747	Pass
Channel 3 vs. 2 Slope	-50	50	-0.106529969	-0.107827433	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.985590826	-3.874337852	Pass
Channel 4 vs. 2 Slope	-50	50	-0.265808772	-0.276638395	Pass
Channel 4 vs. 2 Intercept	-50	50	6.135114107	7.595969771	Pass

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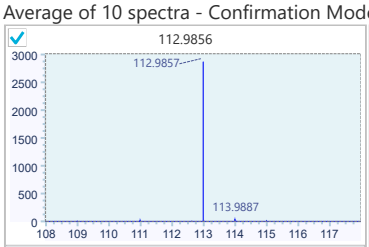
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

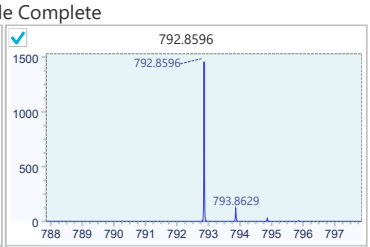
Pass

Slope: 0.000490105909223977, previous was 0.000490104058410081
Delay: -13.676440662667, previous was -13.6619167118365

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9857	Pass
Resolution	21000	100000	30066	Pass
Sum Intensity (cps)	1000	1e+11	11793	Pass
Error (ppm)	-2.00	2.00	0.75445	Pass



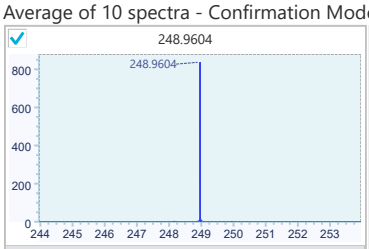
Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8596	Pass
Resolution	26000	100000	41848	Pass
Sum Intensity (cps)	1000	1e+11	11845	Pass
Error (ppm)	-2.00	2.00	0.02461	Pass

TOF MS/MS Mass Check

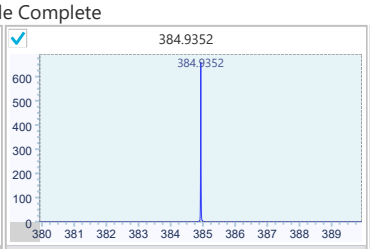
Pass

Slope: 0.00049010525770589, previous was 0.00049010340517557
Delay: -13.6956211778762, previous was -13.7385860115459

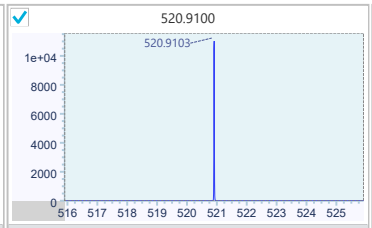
Average of 10 spectra - Confirmation Mode Complete



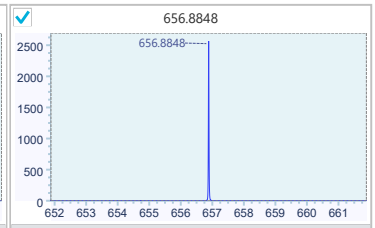
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9604	Pass
Resolution	22000	100000	26498	Pass
Sum Intensity (cps)	100	1e+11	5901.7	Pass
Error (ppm)	-2.00	2.00	0.17164	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9352	Pass
Resolution	24000	100000	27291	Pass
Sum Intensity (cps)	100	1e+11	5717.2	Pass
Error (ppm)	-2.00	2.00	0.01491	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9103	Pass
Resolution	25000	100000	40104	Pass
Sum Intensity (cps)	100	1e+11	74067	Pass
Error (ppm)	-2.00	2.00	0.66366	Pass



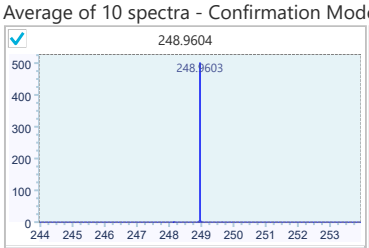
Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8848	Pass
Resolution	26000	100000	31557	Pass
Sum Intensity (cps)	100	1e+11	24954	Pass
Error (ppm)	-2.00	2.00	-0.01025	Pass

TOF MS/MS Mass Check Zeno On

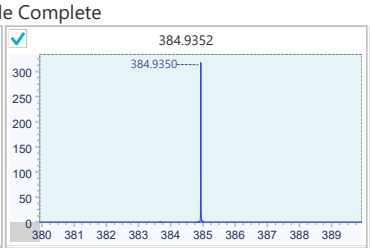
Pass

Slope: 0.0004901047194579, previous was 0.000490102719406785
Delay: -13.6915052310959, previous was -13.7440998054033

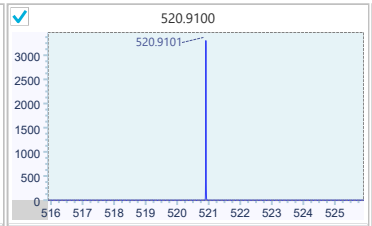
Average of 10 spectra - Confirmation Mode Complete



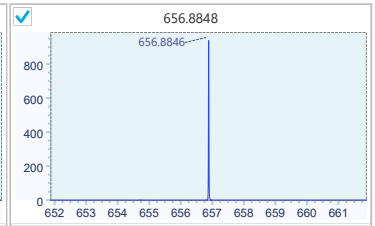
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9603	Pass
Resolution	22000	100000	38231	Pass
Sum Intensity (cps)	100	1e+11	2478.2	Pass
Error (ppm)	-2.00	2.00	-0.23117	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9350	Pass
Resolution	24000	100000	36981	Pass
Sum Intensity (cps)	100	1e+11	2051.8	Pass
Error (ppm)	-2.00	2.00	-0.51096	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9101	Pass
Resolution	25000	100000	39139	Pass
Sum Intensity (cps)	100	1e+11	21689	Pass
Error (ppm)	-2.00	2.00	0.10877	Pass



Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8846	Pass
Resolution	26000	100000	40951	Pass
Sum Intensity (cps)	100	1e+11	6982.5	Pass
Error (ppm)	-2.00	2.00	-0.32049	Pass