Instrument Tuning Report

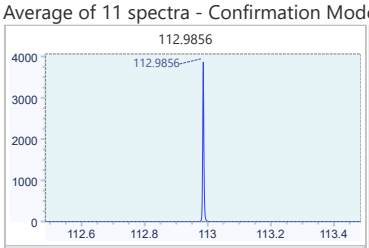
10/19/2024 8:32 AM

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		

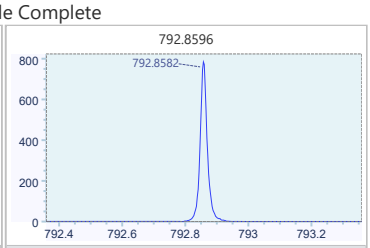
1. Negative MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490027997223775, previous was 0.00049002799722377 5 Delay: -13.6609218388699, previous was -13.6609218388699

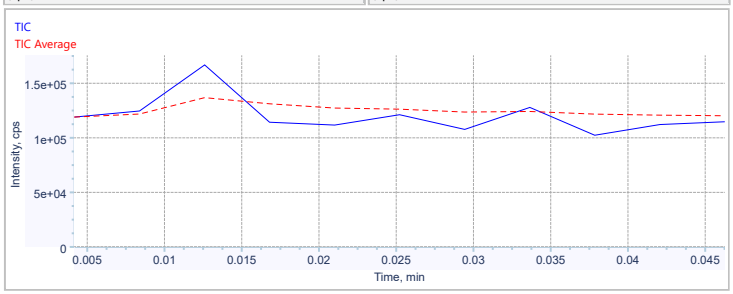
Average of 11 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9856	Pass
Sum Intensity (cps)	1000	1e+11	16604	Pass

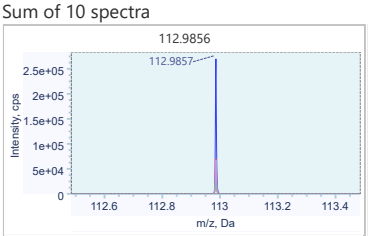


Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8582	Pass
Sum Intensity (cps)	1000	1e+11	7600.2	Pass

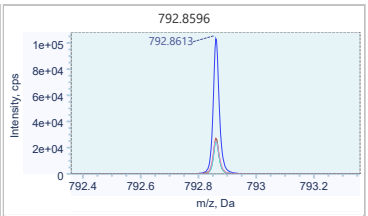


Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	112.7356	113.2356	112.9857	Pass
Resolution	0	100000	30230	Pass
Sum Intensity (cps)	0	1e+11	1.1347e+06	Pass



Item	Min	Max	Actual	Status
Mass (Da)	792.6096	793.1096	792.8613	Pass
Resolution	0	100000	36918	Pass
Sum Intensity (cps)	0	1e+11	9.6451e+05	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	0.047056451	0.044144507	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.756244091	-10.29417986	Pass
Channel 3 vs. 2 Slope	-50	50	-0.108683695	-0.115973246	Pass
Channel 3 vs. 2 Intercept	-50	50	-4.561174419	-3.700061918	Pass
Channel 4 vs. 2 Slope	-50	50	-0.286370769	-0.286891018	Pass
Channel 4 vs. 2 Intercept	-50	50	7.84049216	7.864162853	Pass

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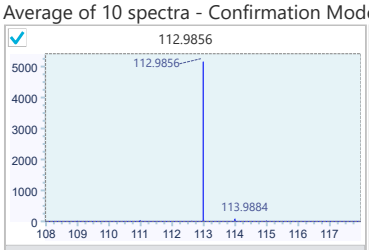
Instrument Name:	ZenoTOF™ 7600 System LC200	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Negative Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

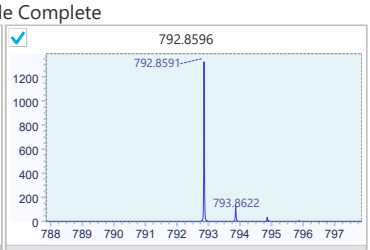
Pass

Slope: 0.000490027127601987, previous was 0.000490027997223775
Delay: -13.5975402795579, previous was -13.6609218388699

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	112.8856	113.0856	112.9856	Pass
Resolution	21000	100000	29142	Pass
Sum Intensity (cps)	1000	1e+11	22151	Pass
Error (ppm)	-2.00	2.00	-0.32902	Pass



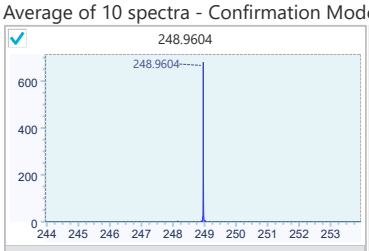
Item	Min	Max	Actual	Status
Mass (Da)	792.7596	792.9596	792.8591	Pass
Resolution	26000	100000	37212	Pass
Sum Intensity (cps)	1000	1e+11	12230	Pass
Error (ppm)	-2.00	2.00	-0.59548	Pass

TOF MS/MS Mass Check

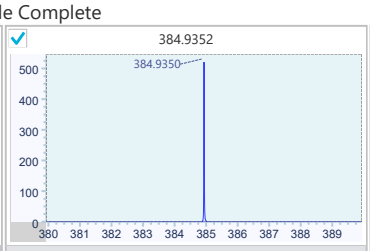
Pass

Slope: 0.000490025856063894, previous was 0.000490027252191172
Delay: -13.6955712782684, previous was -13.700717174369

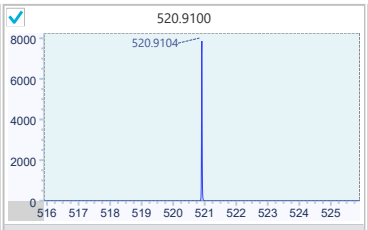
Average of 10 spectra - Confirmation Mode Complete



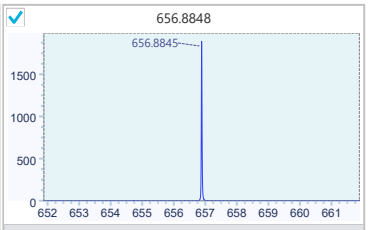
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9604	Pass
Resolution	22000	100000	25112	Pass
Sum Intensity (cps)	100	1e+11	5201.6	Pass
Error (ppm)	-2.00	2.00	0.03567	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9350	Pass
Resolution	24000	100000	24536	Pass
Sum Intensity (cps)	100	1e+11	5146.3	Pass
Error (ppm)	-2.00	2.00	-0.47126	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9104	Pass
Resolution	25000	100000	32803	Pass
Sum Intensity (cps)	100	1e+11	66219	Pass
Error (ppm)	-2.00	2.00	0.71235	Pass



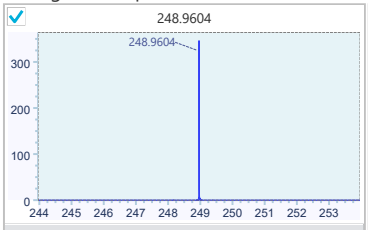
Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8845	Pass
Resolution	26000	100000	26960	Pass
Sum Intensity (cps)	100	1e+11	22476	Pass
Error (ppm)	-2.00	2.00	-0.48175	Pass

TOF MS/MS Mass Check Zeno On

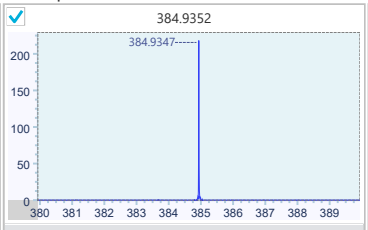
Pass

Slope: 0.000490025589254436, previous was 0.000490026696015616
Delay: -13.6839087004933, previous was -13.6742995868526

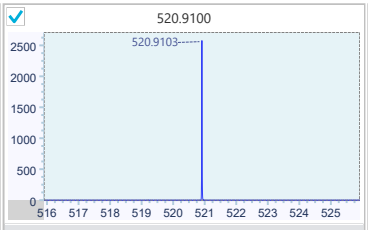
Average of 10 spectra - Confirmation Mode Complete



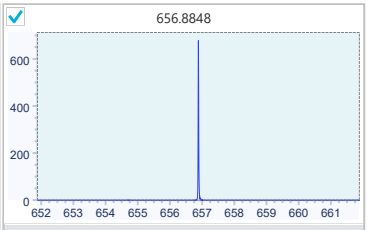
Item	Min	Max	Actual	Status
Mass (Da)	248.8604	249.0604	248.9604	Pass
Resolution	22000	100000	30564	Pass
Sum Intensity (cps)	100	1e+11	2160.1	Pass
Error (ppm)	-2.00	2.00	-0.12554	Pass



Item	Min	Max	Actual	Status
Mass (Da)	384.8352	385.0352	384.9347	Pass
Resolution	24000	100000	30035	Pass
Sum Intensity (cps)	100	1e+11	1787.3	Pass
Error (ppm)	-2.00	2.00	-1.33638	Pass



Item	Min	Max	Actual	Status
Mass (Da)	520.8100	521.0100	520.9103	Pass
Resolution	25000	100000	34208	Pass
Sum Intensity (cps)	100	1e+11	19399	Pass
Error (ppm)	-2.00	2.00	0.59593	Pass



Item	Min	Max	Actual	Status
Mass (Da)	656.7848	656.9848	656.8841	Pass
Resolution	26000	100000	33931	Pass
Sum Intensity (cps)	100	1e+11	6233.2	Pass
Error (ppm)	-2.00	2.00	-1.02119	Pass