Instrument Tuning Report

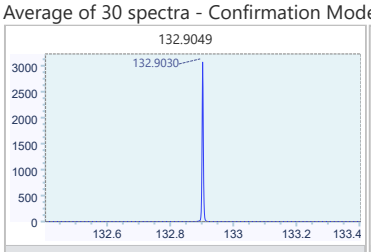
9/30/2024 8:03 AM

Instrument Name:	ZenoTOF™ 7600 System	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

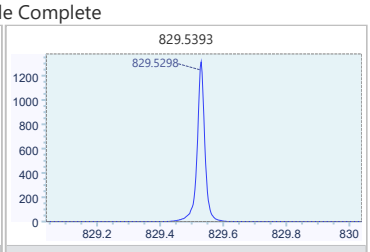
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490063407953435, previous was 0.000490063407953435 Delay: -13.3984681442952, previous was -13.3984681442952

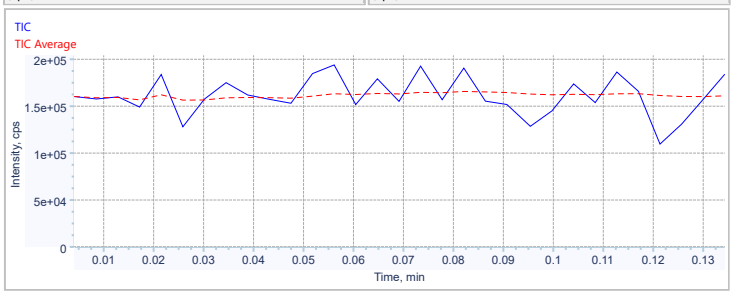
Average of 30 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9030	Pass
Sum Intensity (cps)	1000	1e+11	13096	Pass

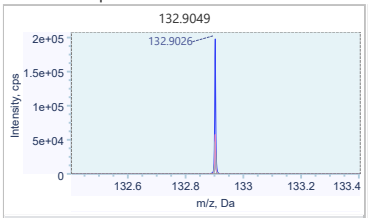


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5298	Pass
Sum Intensity (cps)	1000	1e+11	13212	Pass

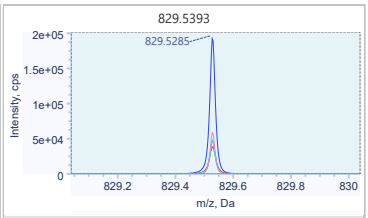


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9026	Pass
Resolution	0	100000	37036	Pass
Sum Intensity (cps)	0	1e+11	7.7479e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5285	Pass
Resolution	0	100000	39898	Pass
Sum Intensity (cps)	0	1e+11	1.7612e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.123619817	-0.120332341	Pass
Channel 1 vs. 2 Intercept	-50	50	-11.367903624	-10.67180847	Pass
Channel 3 vs. 2 Slope	-50	50	0.074328061	0.075859461	Pass
Channel 3 vs. 2 Intercept	-50	50	-3.771699026	-3.972085132	Pass
Channel 4 vs. 2 Slope	-50	50	0.123823581	0.122667867	Pass
Channel 4 vs. 2 Intercept	-50	50	8.367993552	9.165174684	Pass

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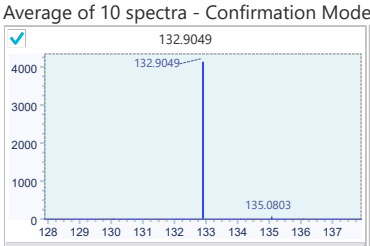
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 50-200µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

TOF MS Mass Check

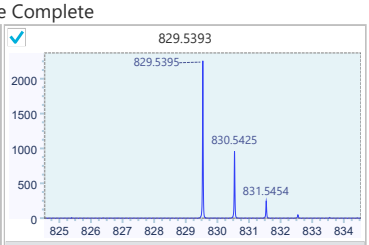
Pass

Slope: 0.000490065877906141, previous was 0.000490063407953435
Delay: -13.4378937856746, previous was -13.3984681442952

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9049	Pass
Resolution	21000	100000	30921	Pass
Sum Intensity (cps)	1000	1e+11	17774	Pass
Error (ppm)	-2.00	2.00	0.03441	Pass



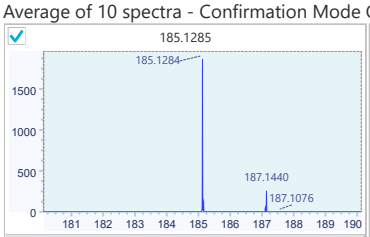
Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5395	Pass
Resolution	29000	100000	37968	Pass
Sum Intensity (cps)	1000	1e+11	21490	Pass
Error (ppm)	-2.00	2.00	0.25987	Pass

TOF MS/MS Mass Check

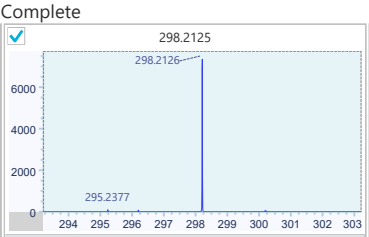
Pass

Slope: 0.000490064757364887, previous was 0.000490062548042322
Delay: -13.4780633380219, previous was -13.4722631610112

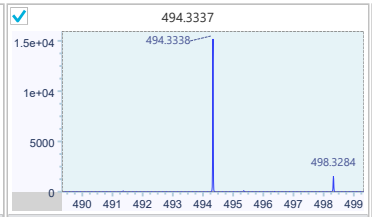
Average of 10 spectra - Confirmation Mode Complete



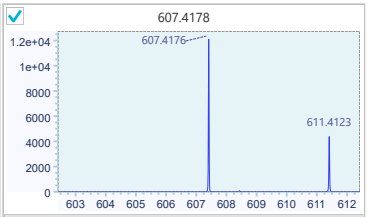
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1284	Pass
Resolution	21000	100000	27150	Pass
Sum Intensity (cps)	100	1e+11	11429	Pass
Error (ppm)	-2.00	2.00	-0.30932	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2126	Pass
Resolution	22000	100000	33261	Pass
Sum Intensity (cps)	100	1e+11	46690	Pass
Error (ppm)	-2.00	2.00	0.17333	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3338	Pass
Resolution	25000	100000	35762	Pass
Sum Intensity (cps)	100	1e+11	1.1362e+05	Pass
Error (ppm)	-2.00	2.00	0.10517	Pass



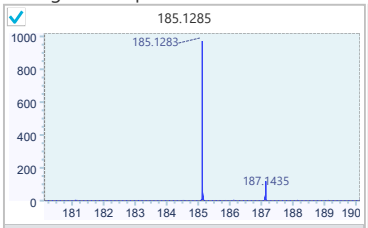
Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4176	Pass
Resolution	26000	100000	35046	Pass
Sum Intensity (cps)	100	1e+11	1.0324e+05	Pass
Error (ppm)	-2.00	2.00	-0.28472	Pass

TOF MS/MS Mass Check Zeno On

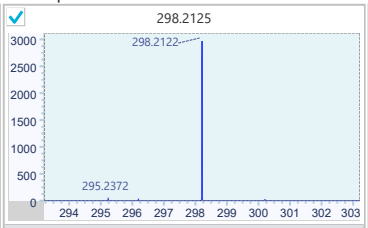
Pass

Slope: 0.000490065734569162, previous was 0.000490063988451274
Delay: -13.4504216509354, previous was -13.4436180227862

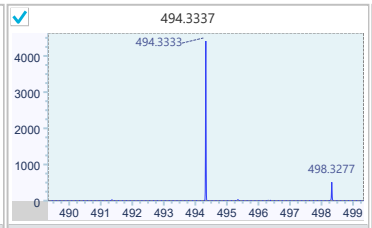
Average of 10 spectra - Confirmation Mode Complete



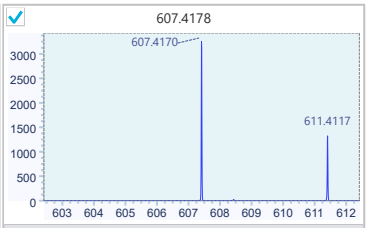
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1283	Pass
Resolution	21000	100000	30434	Pass
Sum Intensity (cps)	100	1e+11	5423.2	Pass
Error (ppm)	-2.00	2.00	-1.31231	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2122	Pass
Resolution	22000	100000	34049	Pass
Sum Intensity (cps)	100	1e+11	17393	Pass
Error (ppm)	-2.00	2.00	-0.97799	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3333	Pass
Resolution	25000	100000	33175	Pass
Sum Intensity (cps)	100	1e+11	33185	Pass
Error (ppm)	-2.00	2.00	-0.79049	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4170	Pass
Resolution	26000	100000	34259	Pass
Sum Intensity (cps)	100	1e+11	27049	Pass
Error (ppm)	-2.00	2.00	-1.33497	Pass