Instrument Tuning Report

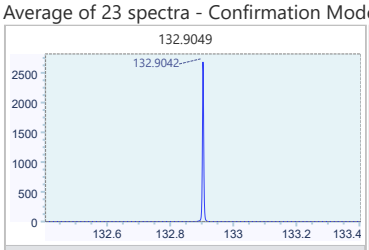
10/19/2024 8:24 AM

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:**	Positive Quick Status Check
Serial Number:	FB24962403		

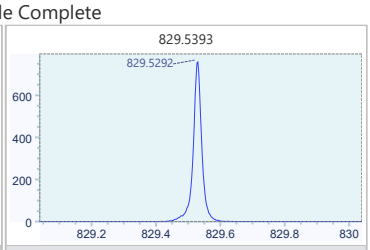
1. Positive MS Check

Step	Result	Details
Achieve Stable Spray / Modify	**Pass**	Slope: 0.000490092728327314, previous was 0.000490092728327314 Delay: -13.5816468117843, previous was -13.5816468117843

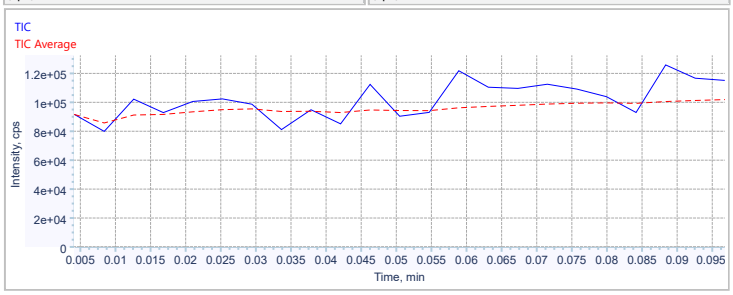
Average of 23 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9042	Pass
Sum Intensity (cps)	1000	1e+11	11854	Pass

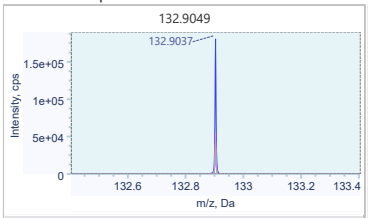


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5292	Pass
Sum Intensity (cps)	1000	1e+11	8370.2	Pass

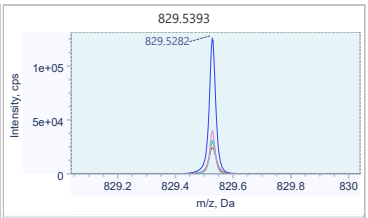


Step	Result
Channel Alignment	**Pass**

Sum of 10 spectra



Item	Min	Max	Actual	Status
Mass (Da)	132.6549	133.1549	132.9037	Pass
Resolution	0	100000	35032	Pass
Sum Intensity (cps)	0	1e+11	7.4542e+05	Pass



Item	Min	Max	Actual	Status
Mass (Da)	829.2893	829.7893	829.5282	Pass
Resolution	0	100000	35512	Pass
Sum Intensity (cps)	0	1e+11	1.2886e+06	Pass

Align to channel: 2 Result: Pass

Item	Min	Max	Initial	Actual	Status
Channel 1 vs. 2 Slope	-50	50	-0.122036789	-0.113477353	Pass
Channel 1 vs. 2 Intercept	-50	50	-10.642932578	-11.575885169	Pass
Channel 3 vs. 2 Slope	-50	50	0.070879886	0.073853436	Pass
Channel 3 vs. 2 Intercept	-50	50	-4.117345578	-3.811429838	Pass
Channel 4 vs. 2 Slope	-50	50	0.110020956	0.124192826	Pass
Channel 4 vs. 2 Intercept	-50	50	9.584293332	8.796201484	Pass

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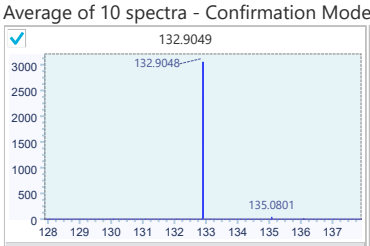
Instrument Name:	ZenoTOF™ 7600 System LC200	**Manufacturer:**	AB Sciex
Instrument Model:	ZenoTOF 7600 System	**Target Instrument:**	ZenoTOF 7600 System
Ion Source:	OptiFlow 1-50µL Micro/MicroCal	**Optimization Set:**	Positive Quick Status Check
Serial Number:	FB24962403		

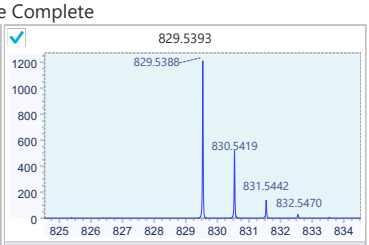
TOF MS Mass Check — Pass

Slope: 0.000490096446022767, previous was 0.000490092728327314
Delay: -13.4527457220536, previous was -13.5816468117843

Average of 10 spectra - Confirmation Mode Complete



Item	Min	Max	Actual	Status
Mass (Da)	132.8049	133.0049	132.9048	Pass
Resolution	21000	100000	30081	Pass
Sum Intensity (cps)	1000	1e+11	13734	Pass
Error (ppm)	-2.00	2.00	-0.85499	Pass

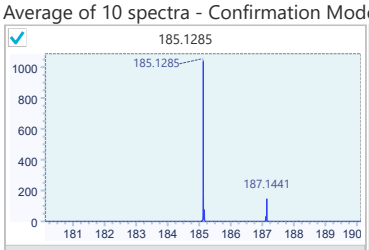


Item	Min	Max	Actual	Status
Mass (Da)	829.4393	829.6393	829.5388	Pass
Resolution	29000	100000	34585	Pass
Sum Intensity (cps)	1000	1e+11	12707	Pass
Error (ppm)	-2.00	2.00	-0.61372	Pass

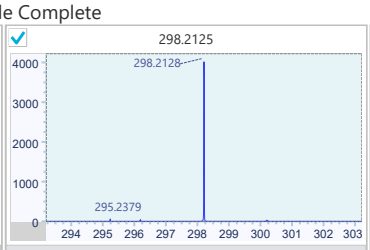
TOF MS/MS Mass Check — Pass

Slope: 0.000490095447818555, previous was 0.00049009252193883
Delay: -13.4868637248889, previous was -13.6186961374242

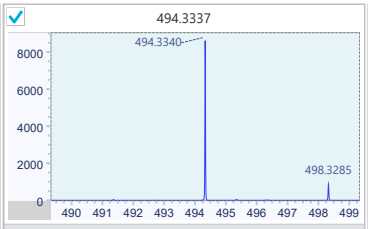
Average of 10 spectra - Confirmation Mode Complete



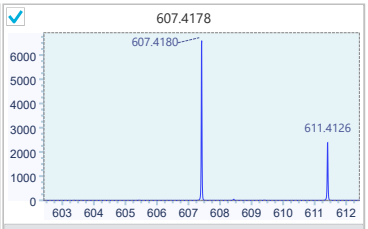
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1285	Pass
Resolution	21000	100000	24441	Pass
Sum Intensity (cps)	100	1e+11	7066.8	Pass
Error (ppm)	-2.00	2.00	0.2114	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2128	Pass
Resolution	22000	100000	28963	Pass
Sum Intensity (cps)	100	1e+11	29574	Pass
Error (ppm)	-2.00	2.00	0.91921	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3340	Pass
Resolution	25000	100000	32485	Pass
Sum Intensity (cps)	100	1e+11	72477	Pass
Error (ppm)	-2.00	2.00	0.55278	Pass

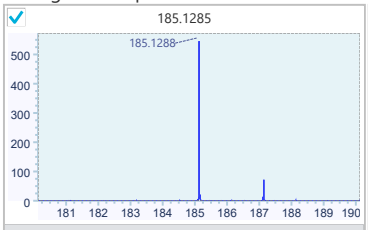


Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4180	Pass
Resolution	26000	100000	30296	Pass
Sum Intensity (cps)	100	1e+11	66527	Pass
Error (ppm)	-2.00	2.00	0.28063	Pass

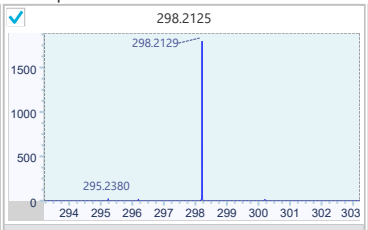
TOF MS/MS Mass Check Zeno On — Pass

Slope: 0.000490096633931684, previous was 0.000490093331764518
Delay: -13.4739133498431, previous was -13.629984320157

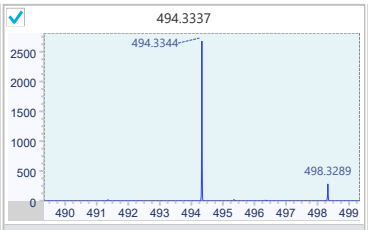
Average of 10 spectra - Confirmation Mode Complete



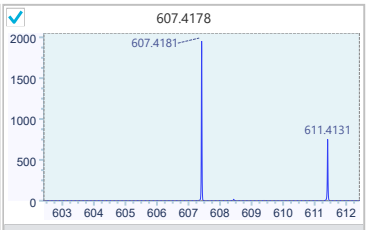
Item	Min	Max	Actual	Status
Mass (Da)	185.0285	185.2285	185.1288	Pass
Resolution	21000	100000	27553	Pass
Sum Intensity (cps)	100	1e+11	3375.2	Pass
Error (ppm)	-2.00	2.00	1.37082	Pass



Item	Min	Max	Actual	Status
Mass (Da)	298.1125	298.3125	298.2129	Pass
Resolution	22000	100000	33691	Pass
Sum Intensity (cps)	100	1e+11	11017	Pass
Error (ppm)	-2.00	2.00	1.45228	Pass



Item	Min	Max	Actual	Status
Mass (Da)	494.2337	494.4337	494.3344	Pass
Resolution	25000	100000	32686	Pass
Sum Intensity (cps)	100	1e+11	21155	Pass
Error (ppm)	-2.00	2.00	1.34332	Pass



Item	Min	Max	Actual	Status
Mass (Da)	607.3178	607.5178	607.4181	Pass
Resolution	26000	100000	33015	Pass
Sum Intensity (cps)	100	1e+11	17370	Pass
Error (ppm)	-2.00	2.00	0.56566	Pass