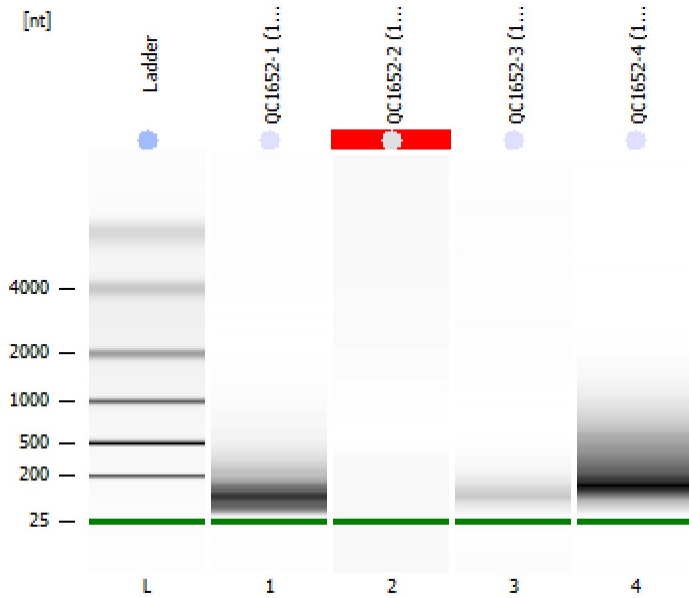


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 5:00:52 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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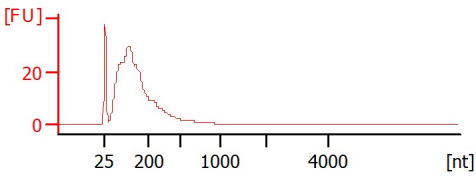
Chip Information:

Chip Lot #:

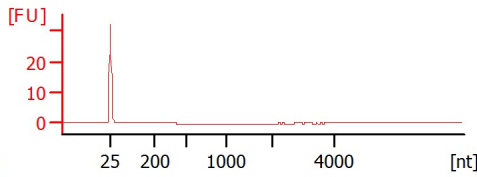
Reagent Kit Lot #:

Chip Comments:

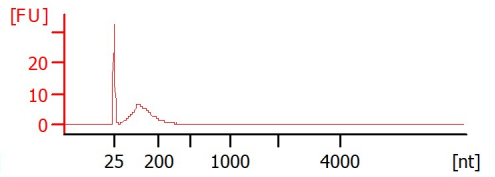
QC1652-1 (1:10)
RIN: 2.50



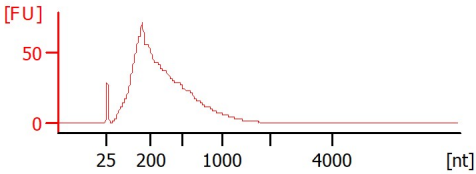
QC1652-2 (1:10)
RIN N/A



QC1652-3 (1:10)
RIN: 2



QC1652-4 (1:10)
RIN: 2.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 5:00:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1652-1 (1:10)		✓	RIN: 2.50	
QC1652-2 (1:10)		✓	RIN N/A	
QC1652-3 (1:10)		✓	RIN:2	
QC1652-4 (1:10)		✓	RIN: 2.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 5:00:52 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

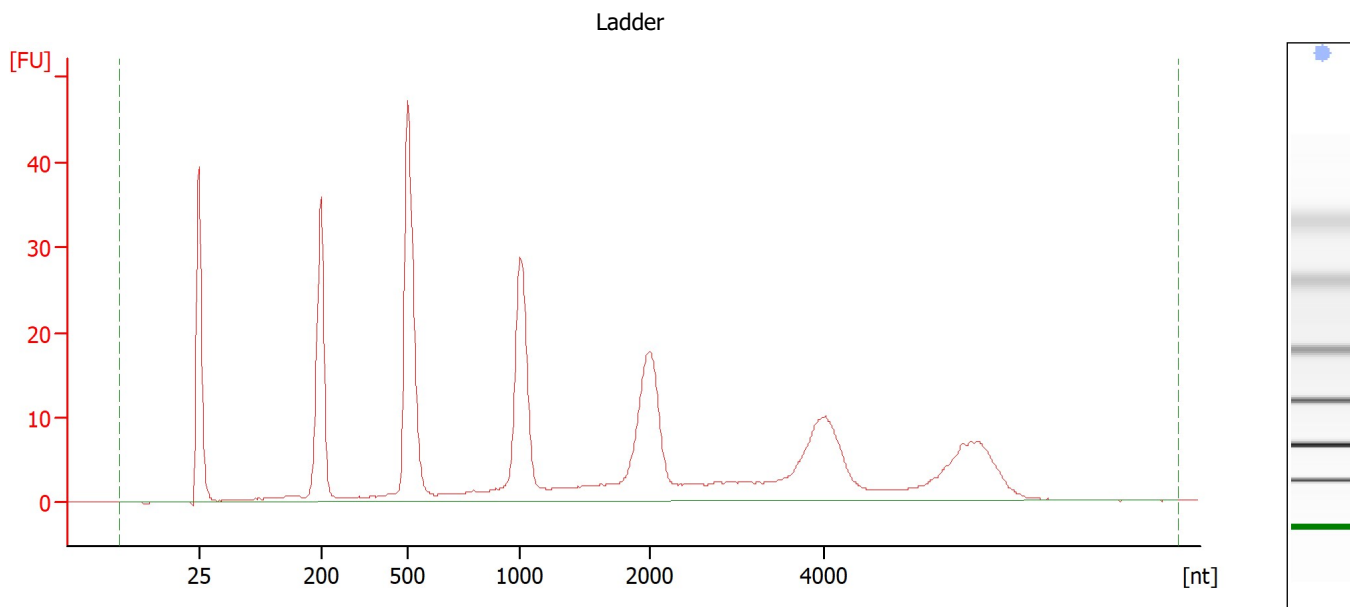
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 5:00:52 PM

Electropherogram Summary



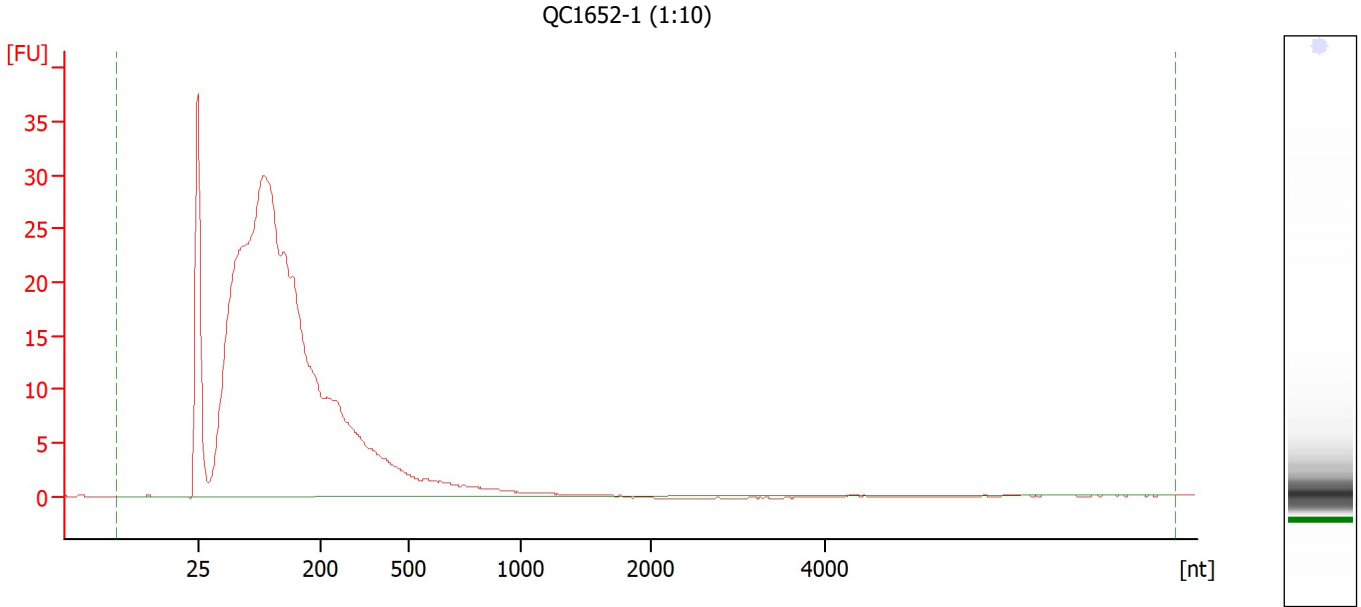
Overall Results for Ladder

RNA Area:	361.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 5:00:52 PM

Electropherogram Summary Continued ...



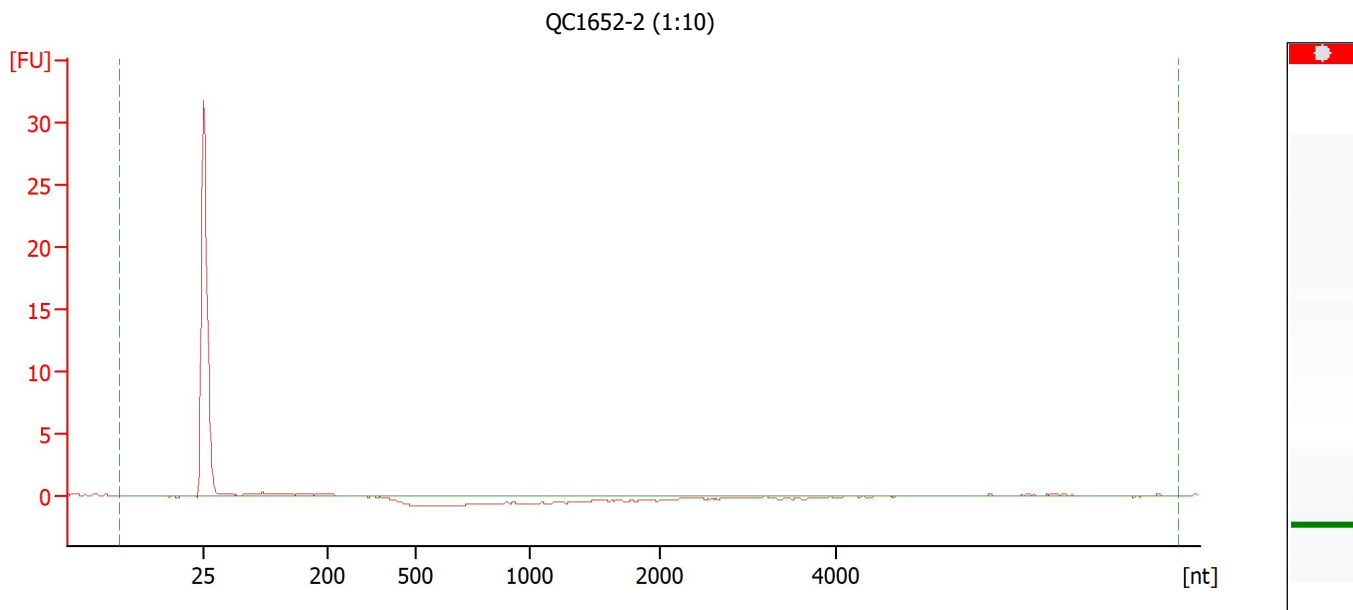
Overall Results for sample 1 : QC1652-1 (1:10)

RNA Area:	465.0	RNA Integrity Number (RIN):	2.5 (B.02.10)
RNA Concentration:	1,287 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 5:00:52 PM

Electropherogram Summary Continued ...



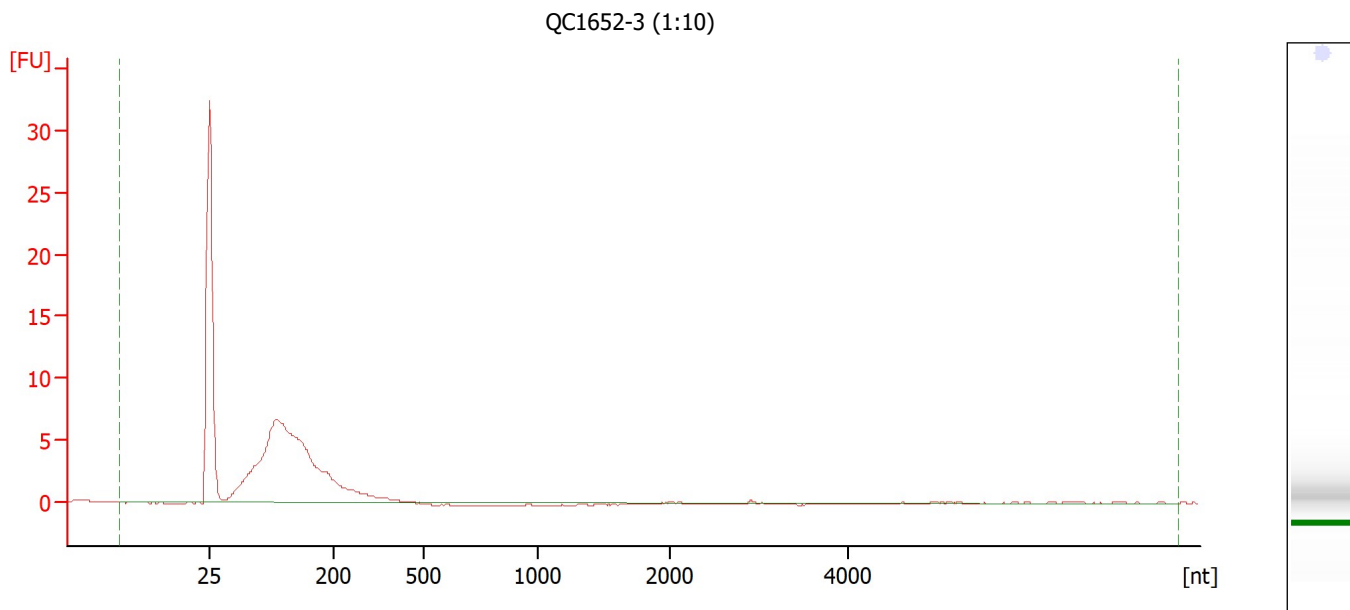
Overall Results for sample 2 : QC1652-2 (1:10)

RNA Area:	3.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	9 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 5:00:52 PM

Electropherogram Summary Continued ...



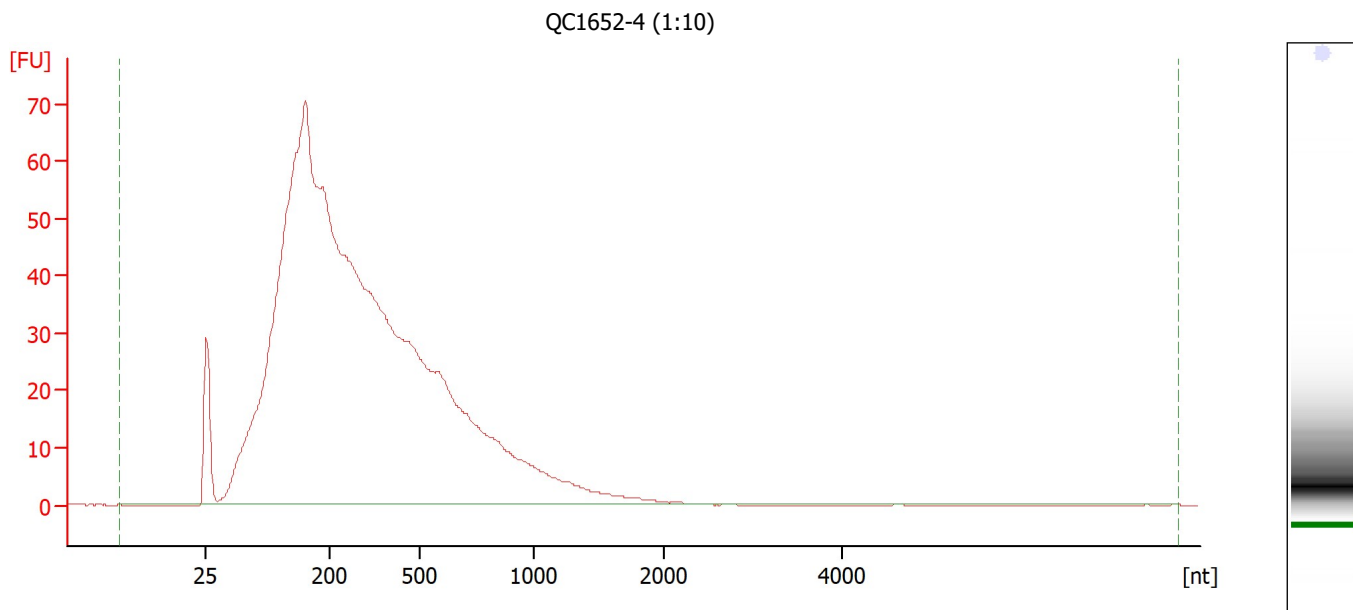
Overall Results for sample 3 : QC1652-3 (1:10)

RNA Area:	74.7	RNA Integrity Number (RIN):	2 (B.02.10)
RNA Concentration:	207 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 5:00:52 PM

Electropherogram Summary Continued ...



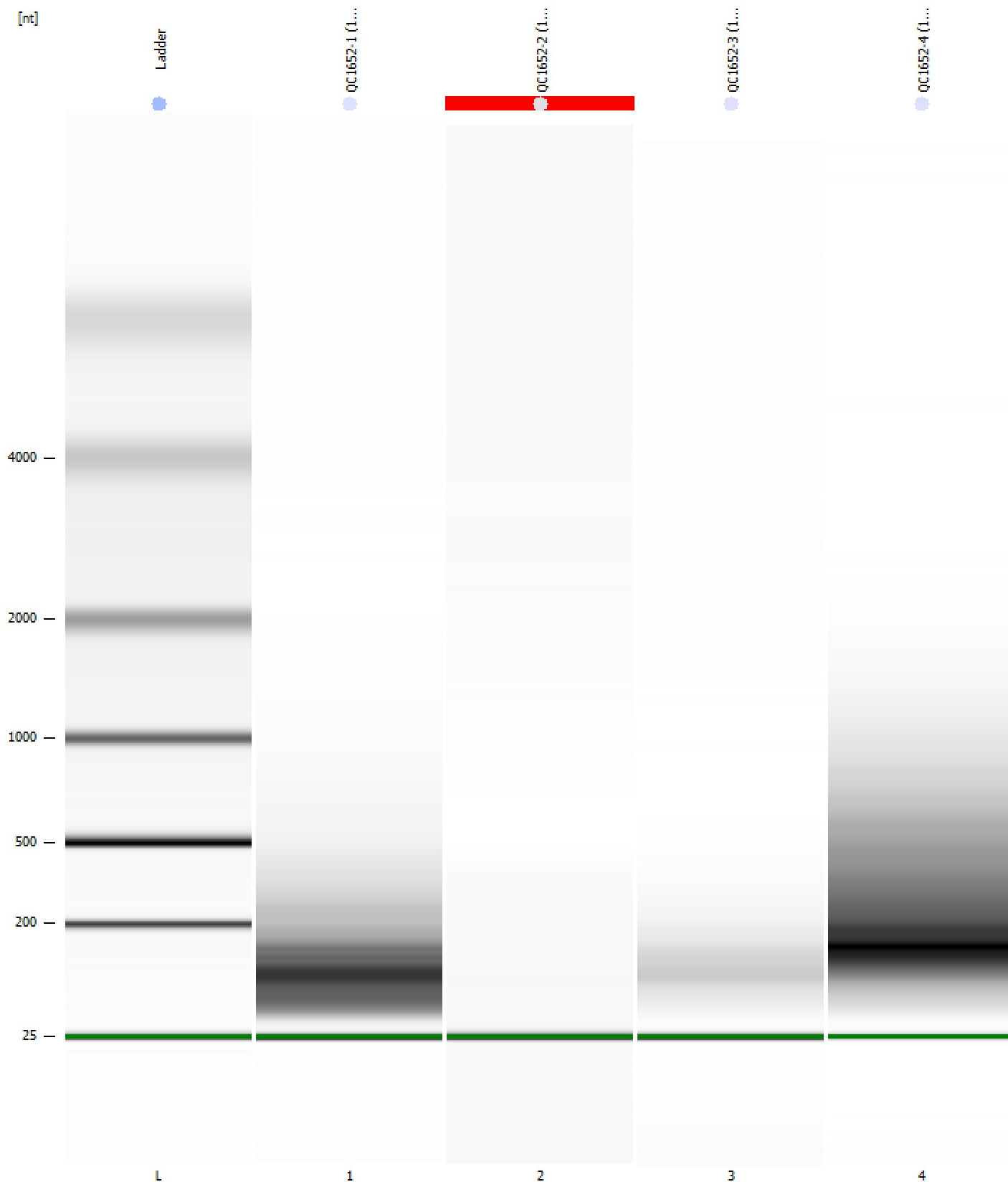
Overall Results for sample 4 : QC1652-4 (1:10)

RNA Area:	1,387.3	RNA Integrity Number (RIN):	2.1 (B.02.10)
RNA Concentration:	3,839 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 5:00:52 PM

Gel Image

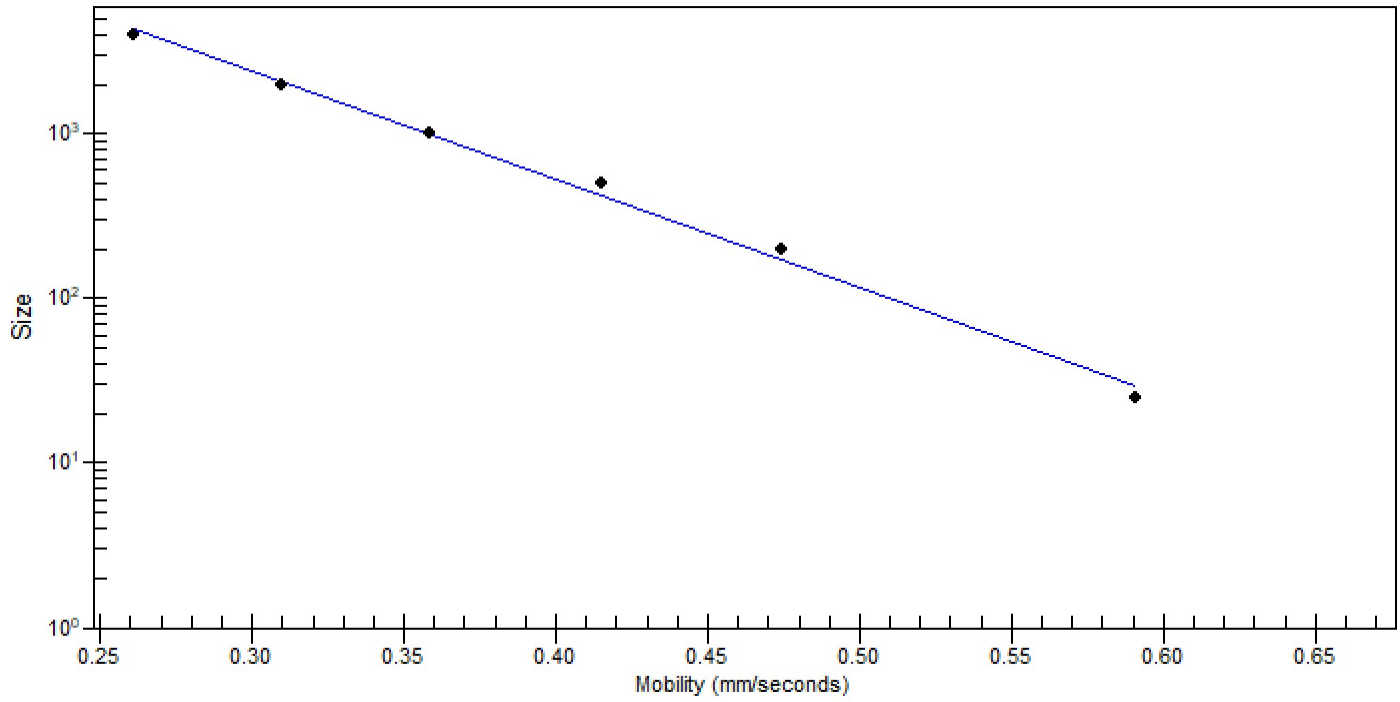


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
Modified: 10/23/2023 5:00:52 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-23\QC1652_1-4.xad

Created: 10/23/2023 2:52:48 PM
 Modified: 10/23/2023 5:00:52 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/23/2023 3:15:48 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-23\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-10-23_001.xad)		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/23/2023 2:52:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB