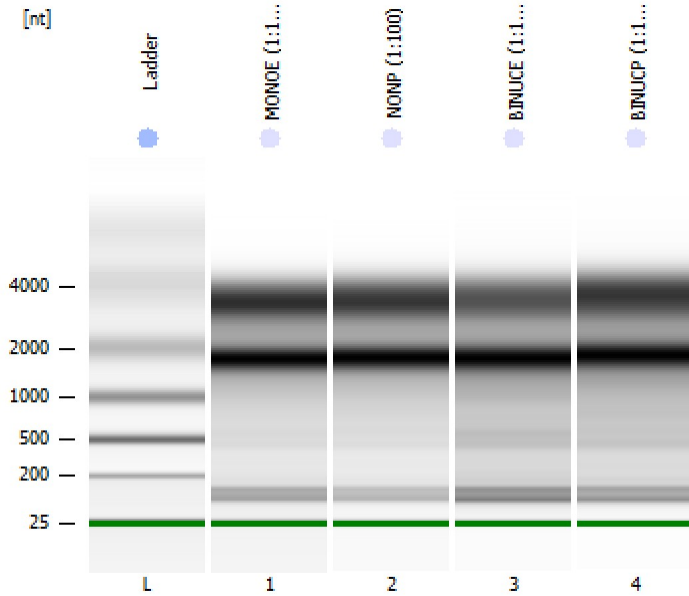


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 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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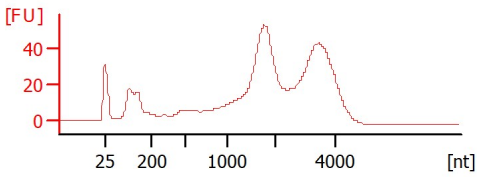
Chip Information:

Chip Lot #:

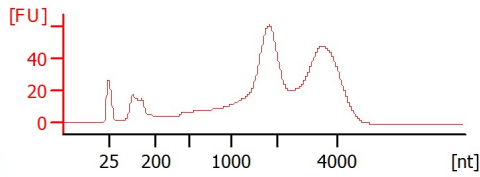
Reagent Kit Lot #:

Chip Comments:

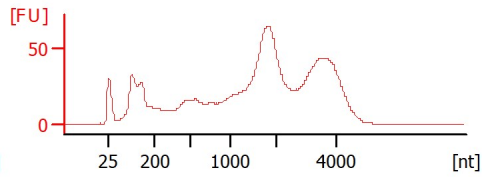
MONOE (1:100)
QC1528
RIN: 9.10



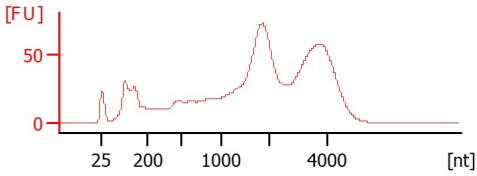
NONP (1:100)
QC1528
RIN: 8.90



BINUCE (1:100)
QC1528
RIN: 8.30



BINUCP (1:100)
QC1528
RIN: 8.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
 Modified: 7/7/2023 2:48:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
MONOE (1:100)	QC1528	✓	RIN: 9.10	
NONP (1:100)	QC1528	✓	RIN: 8.90	
BINUCE (1:100)	QC1528	✓	RIN: 8.30	
BINUCP (1:100)	QC1528	✓	RIN: 8.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 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

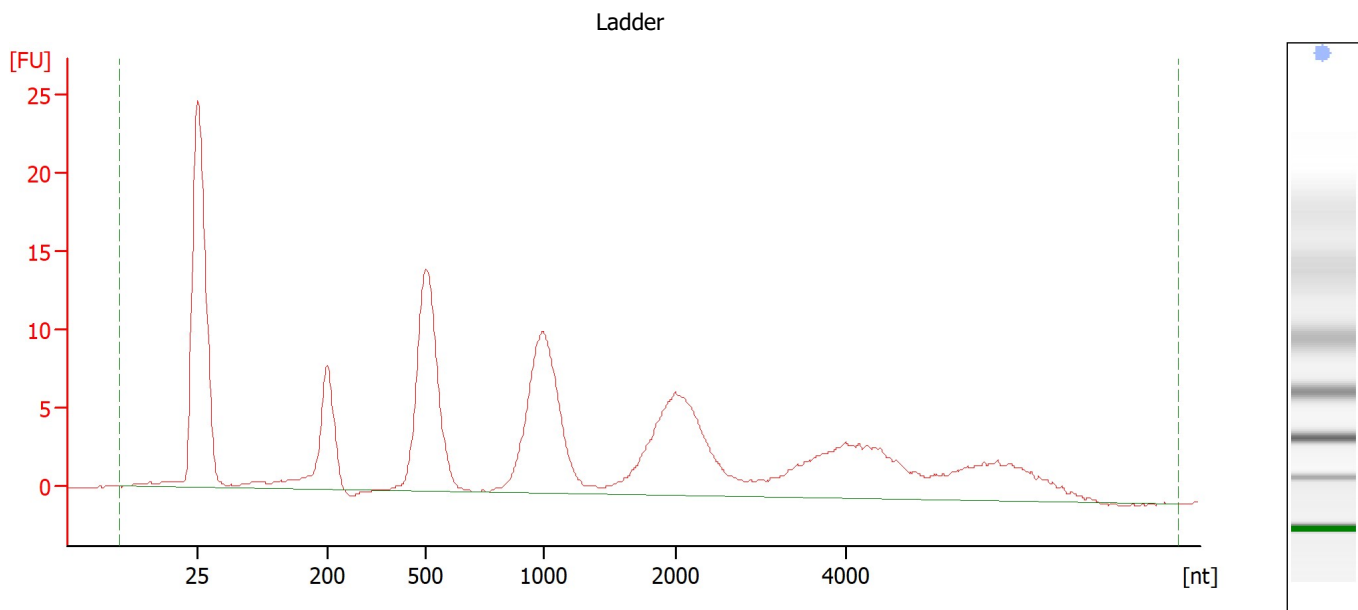
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 PM

Electropherogram Summary



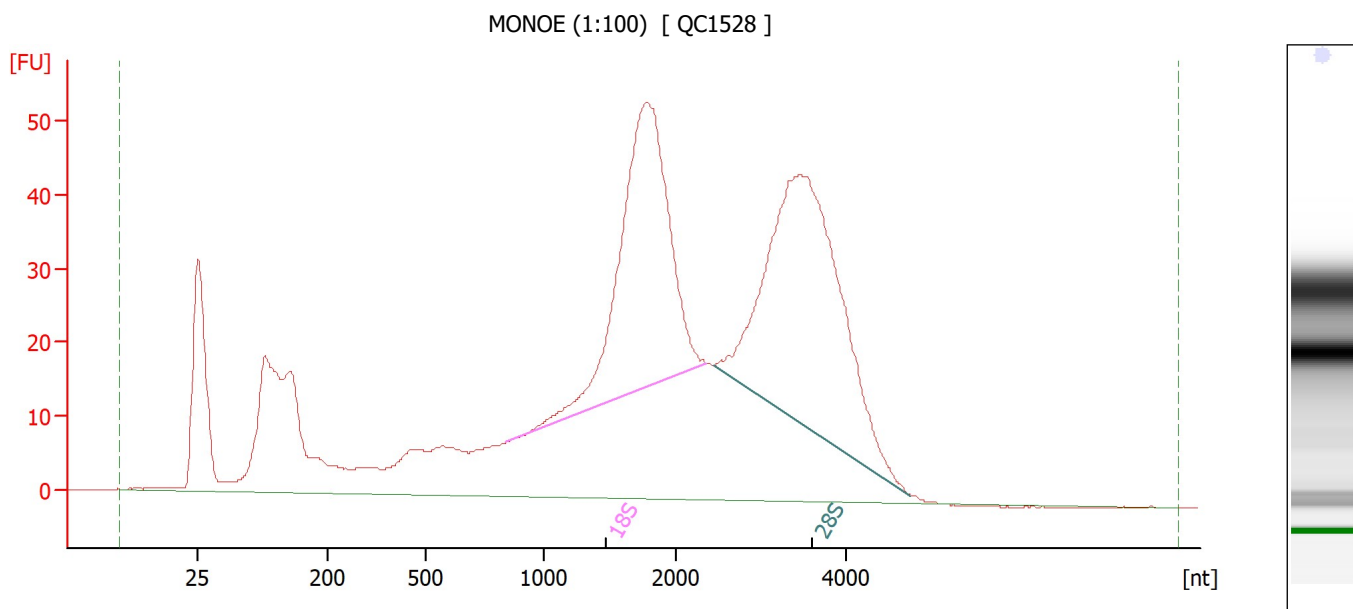
Overall Results for Ladder

RNA Area:	220.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
 Modified: 7/7/2023 2:48:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : MONOE (1:100)

RNA Area:	1,262.8	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	5,719 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.10

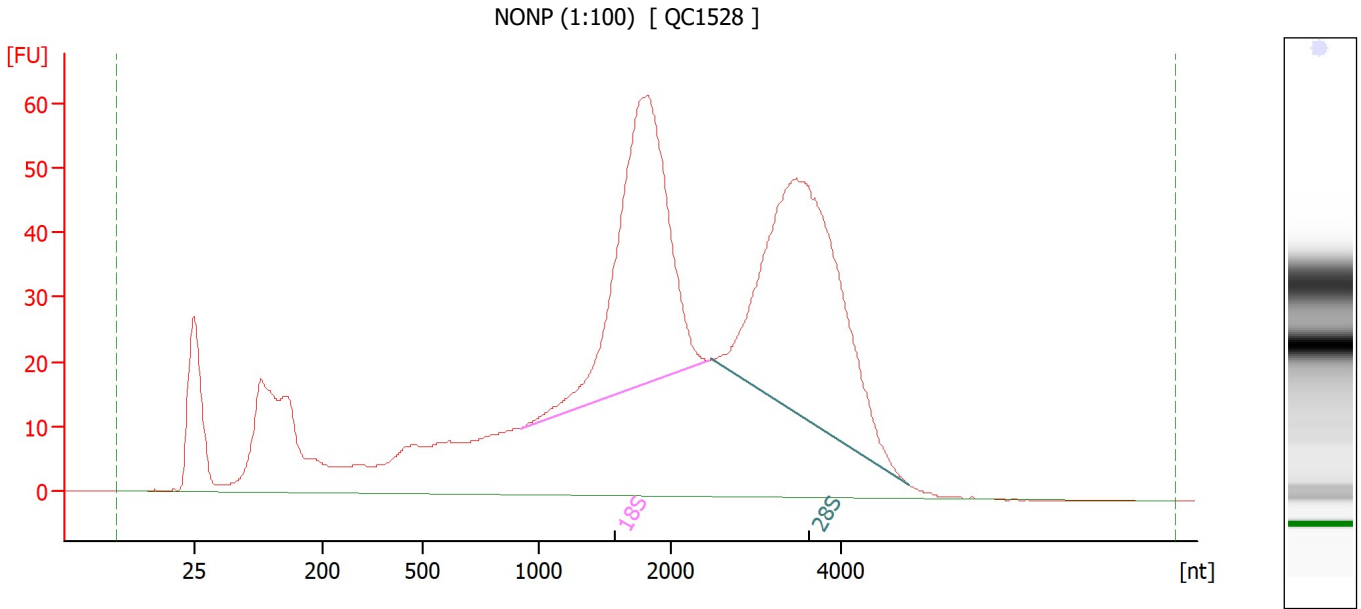
Fragment table for sample 1 : MONOE (1:100)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	844	2,364	236.9	18.8
28S	2,440	4,767	270.9	21.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NONP (1:100)

RNA Area:	1,464.9	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	6,635 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.90

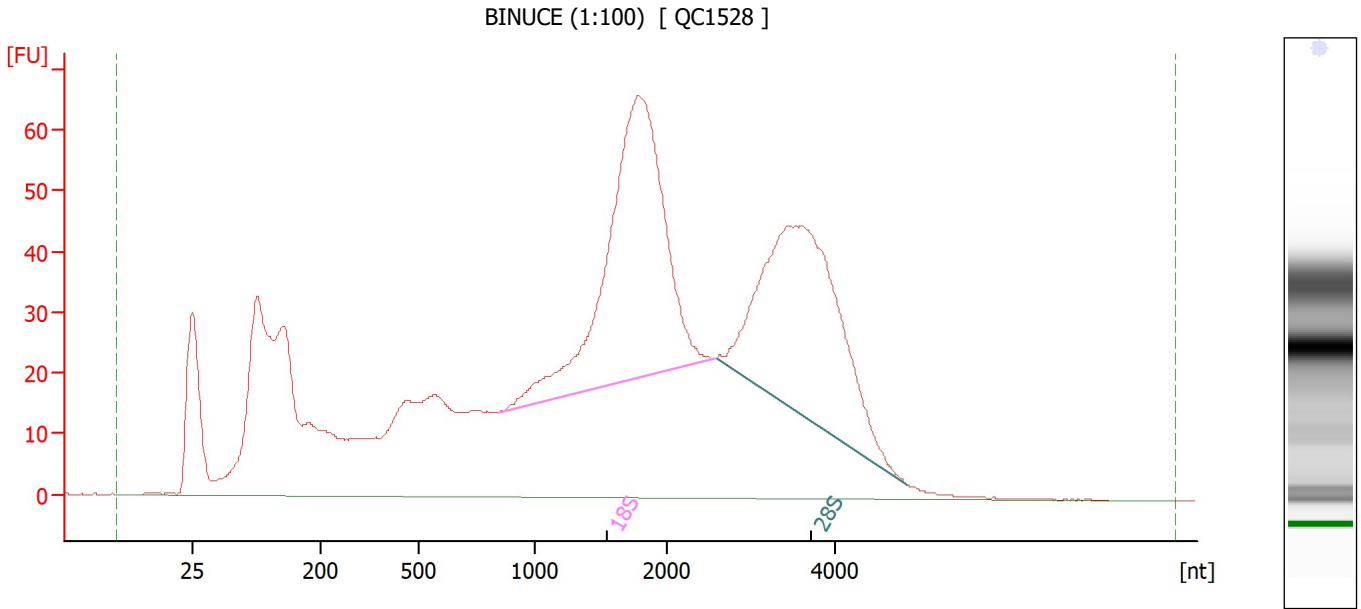
Fragment table for sample 2 : NONP (1:100)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	925	2,453	280.0	19.1
28S	2,478	4,810	308.4	21.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : BINUCE (1:100)

RNA Area:	1,894.3	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	8,580 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 8.30

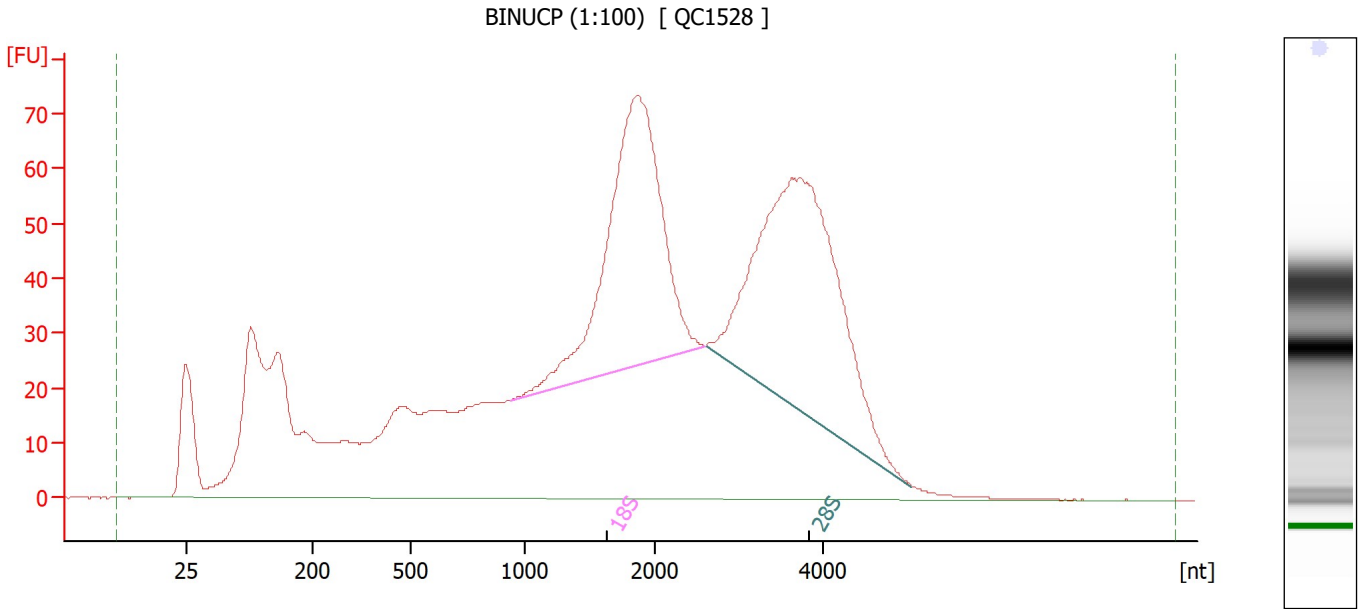
Fragment table for sample 3 : BINUCE (1:100)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	843	2,568	334.5	17.7
28S	2,593	4,847	265.5	14.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : BINUCP (1:100)

RNA Area:	2,179.4	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	9,871 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.30

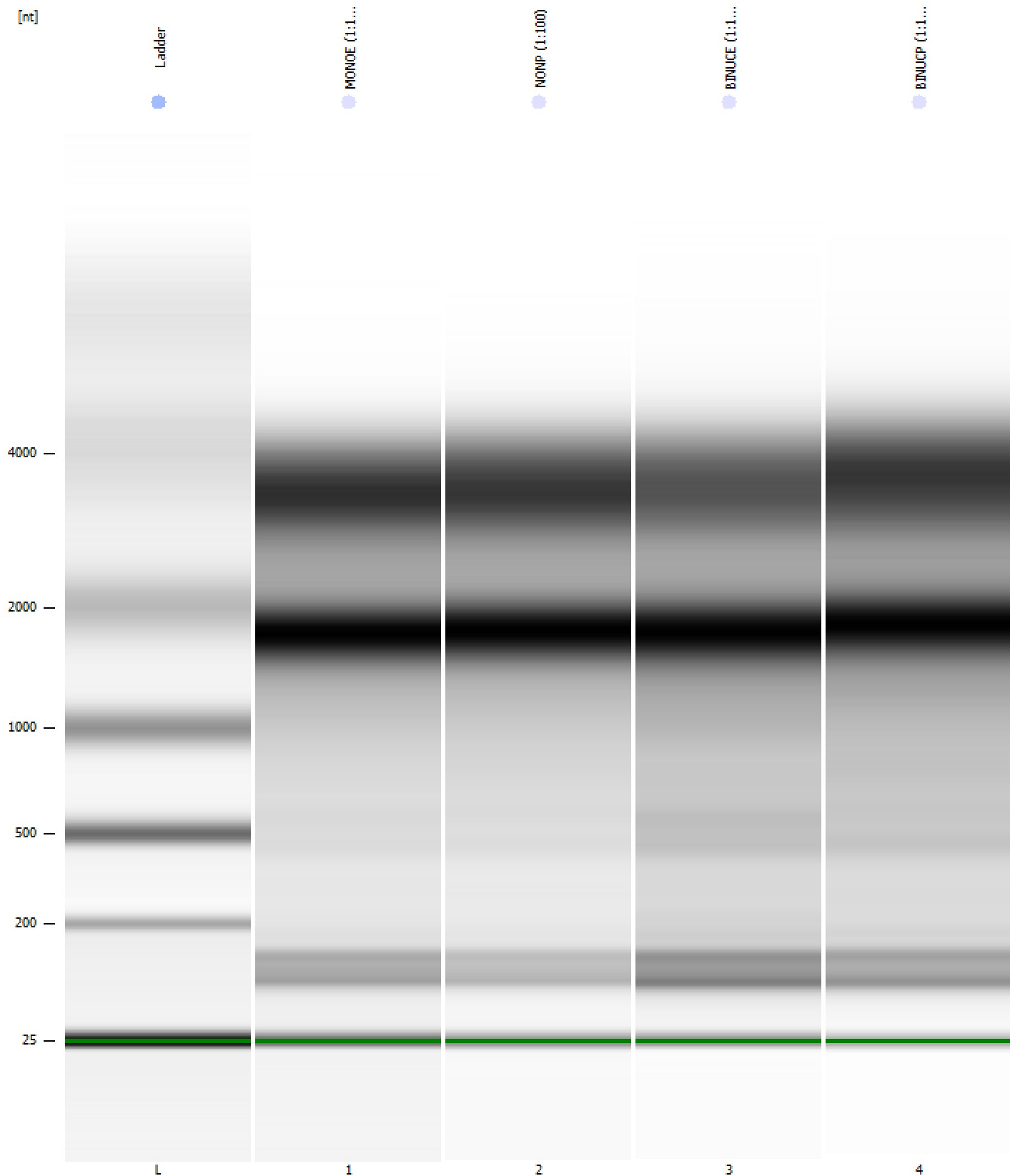
Fragment table for sample 4 : BINUCP (1:100)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	937	2,585	332.2	15.2
28S	2,610	5,068	373.2	17.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 PM

Gel Image

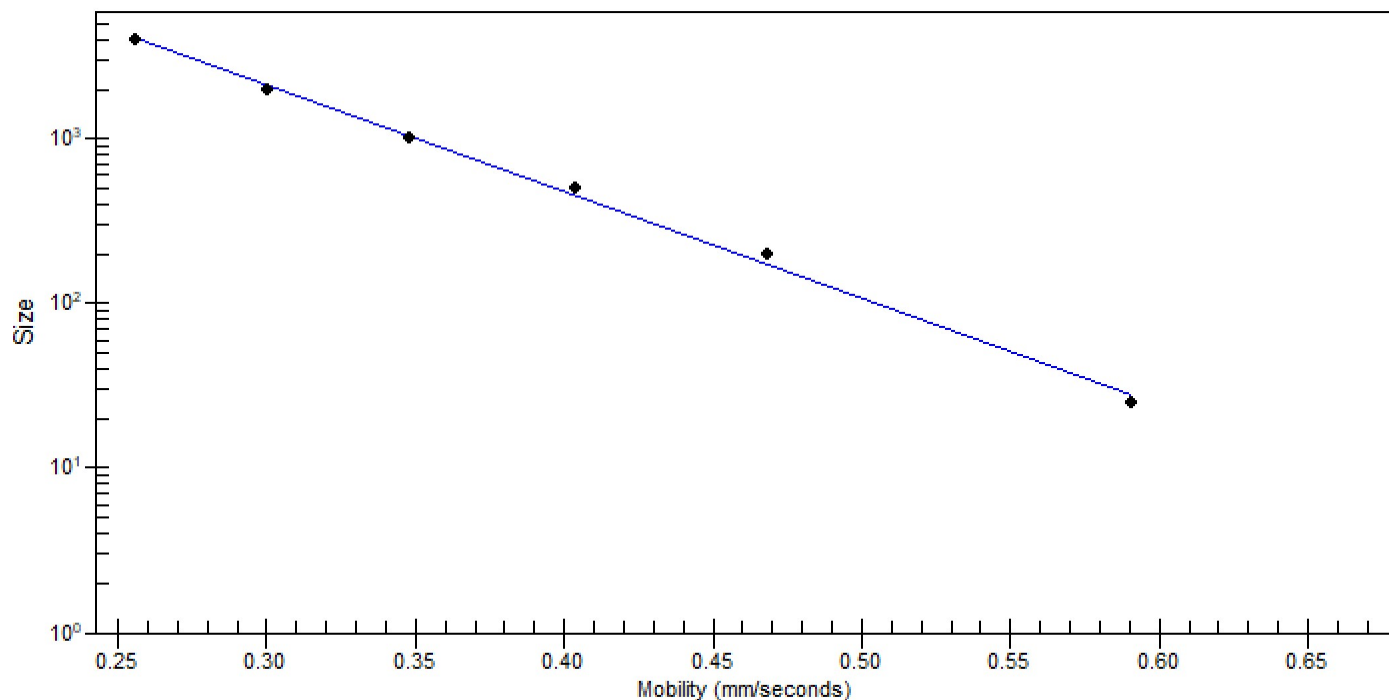


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
Modified: 7/7/2023 2:48:22 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\Users\sbsuser\Desktop\2023-07-07\QC1528.xad

Created: 7/7/2023 2:24:27 PM
 Modified: 7/7/2023 2:48:22 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		7/7/2023 2:47:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-07-07\Bioanalyzer1_Eukaryote Total RNA Pico_2023-07-07_001.xad)		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/7/2023 2:24:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB