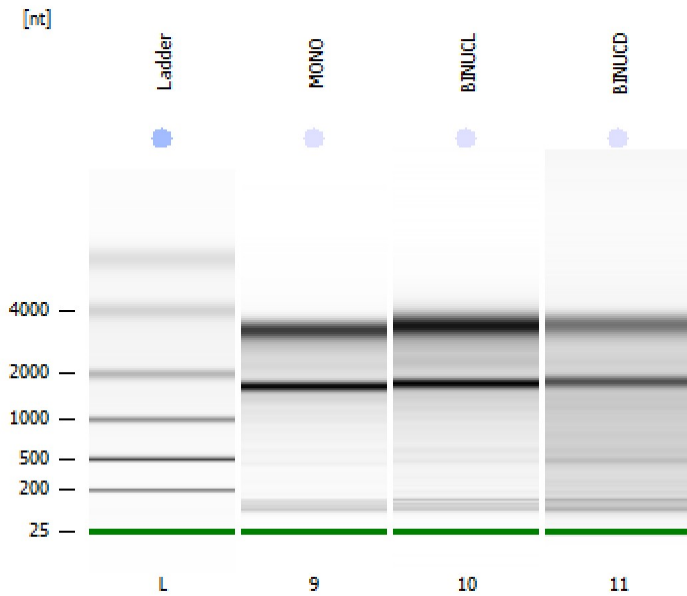


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

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

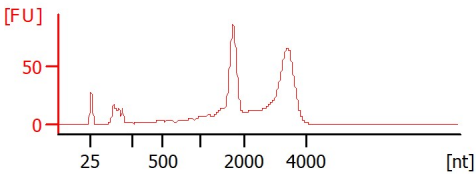
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

© Copyright 2003 - 2009 Agilent Technologies, Inc.

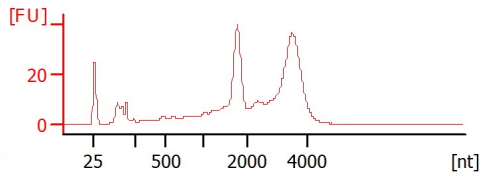
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

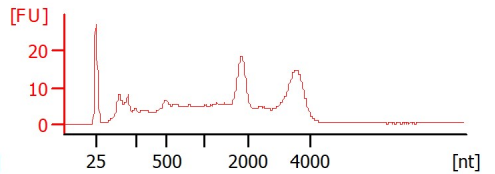
MONO
QC1615
RIN: 9.20



BINUCL
QC1615
RIN: 9.20



BINUCD
QC1615
RIN: 7.20



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
MONO	QC1615	✓	RIN: 9.20	
BINUCL	QC1615	✓	RIN: 9.20	
BINUCL	QC1615	✓	RIN: 7.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

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

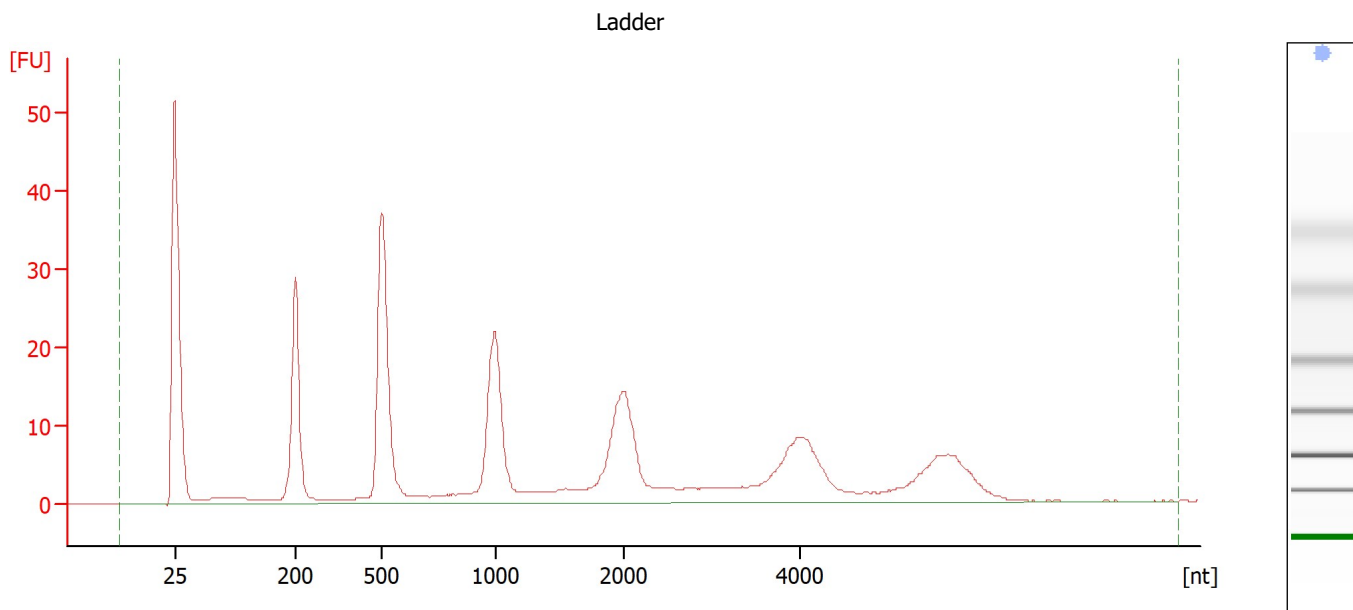
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

Electropherogram Summary



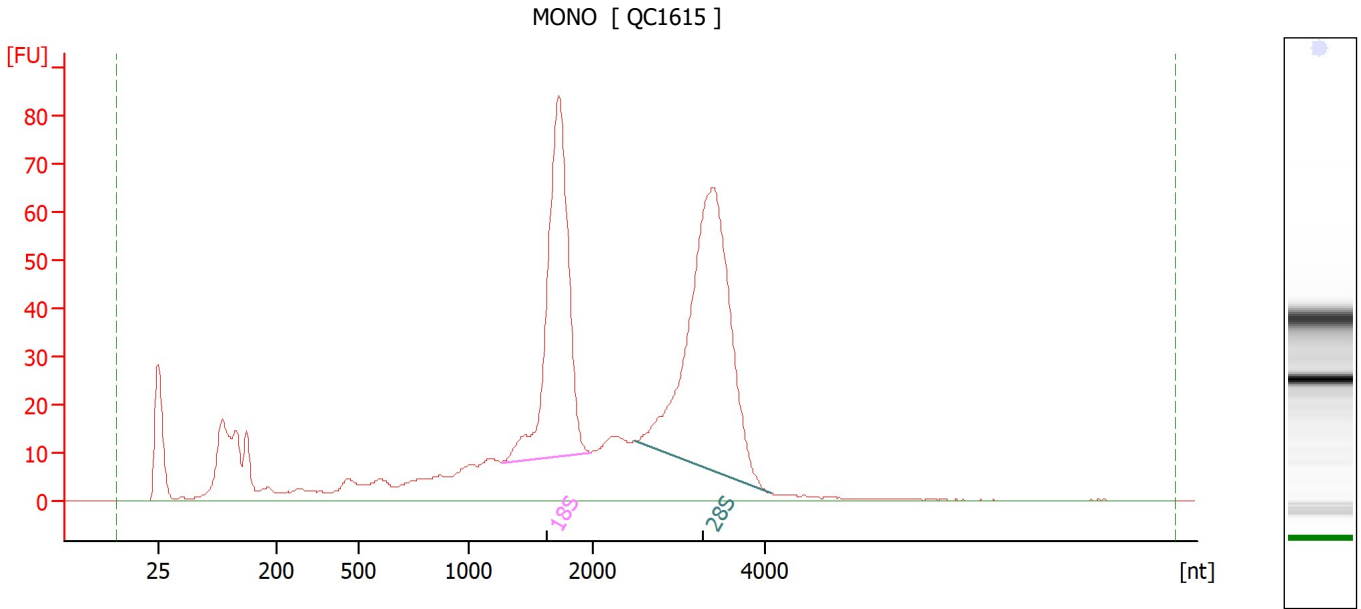
Overall Results for Ladder

RNA Area:	324.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : MONO

RNA Area:	992.9	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	3,058 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.20

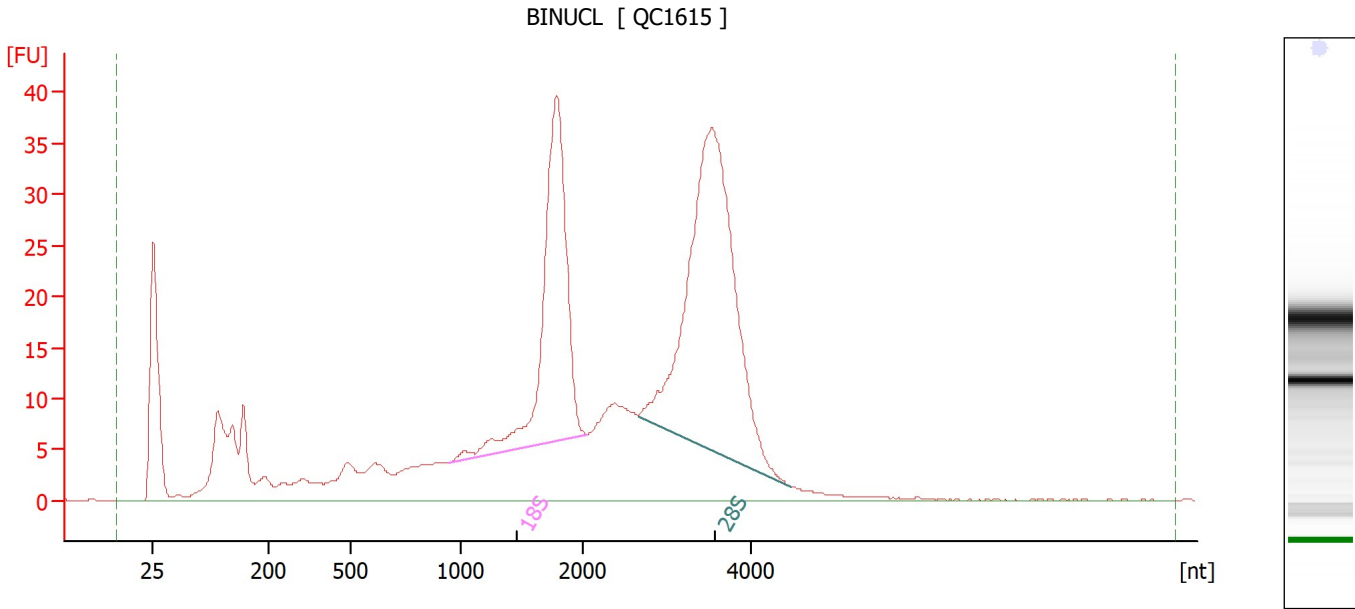
Fragment table for sample 9 : MONO

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,272	1,977	211.5	21.3
28S	2,491	4,077	285.4	28.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : BINUCL

RNA Area:	623.4	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	1,920 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.20

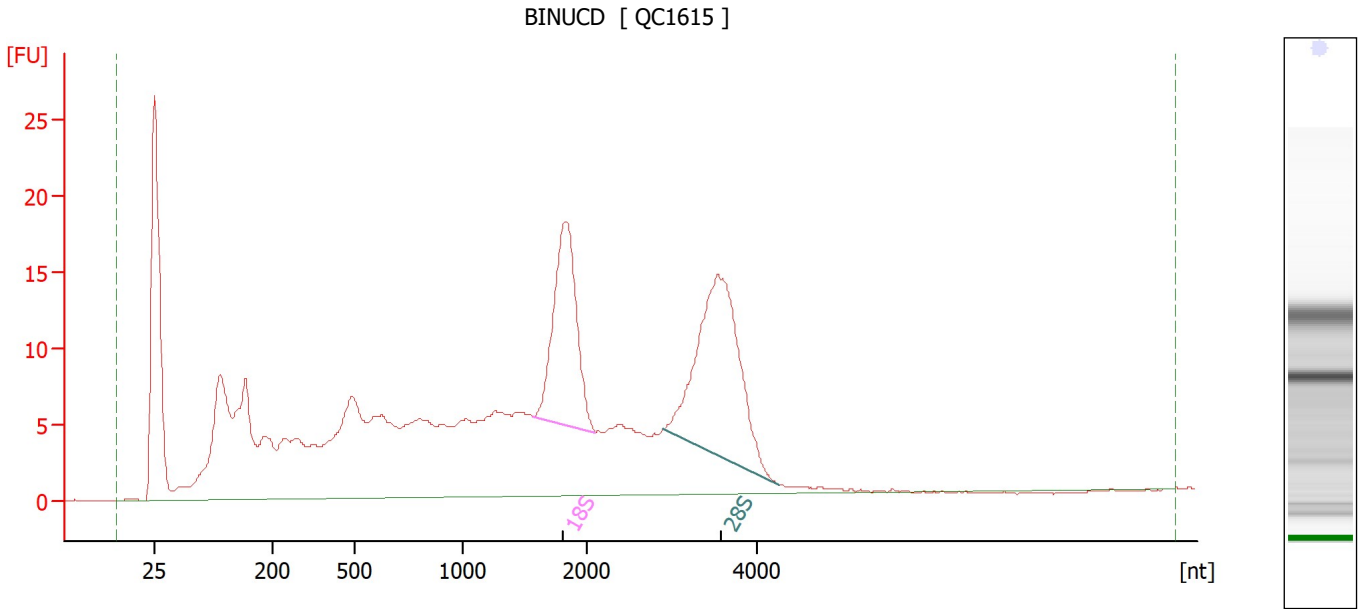
Fragment table for sample 10 : BINUCL

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	951	2,051	107.0	17.2
28S	2,657	4,464	169.3	27.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : BINUCD

RNA Area:	443.5	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	1,366 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.20

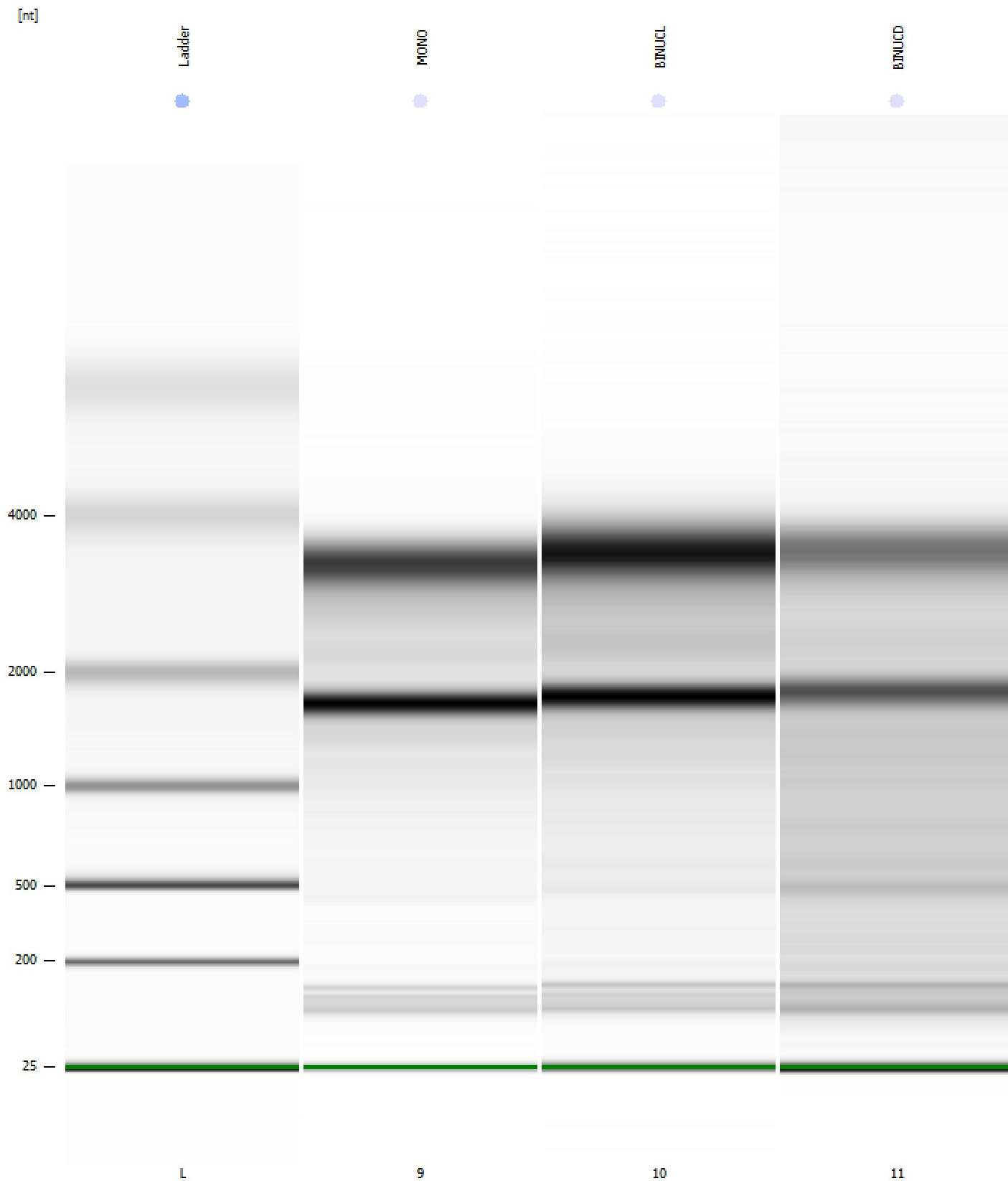
Fragment table for sample 11 : BINUCD

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,569	2,102	41.0	9.3
28S	2,895	4,253	58.0	13.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

Gel Image

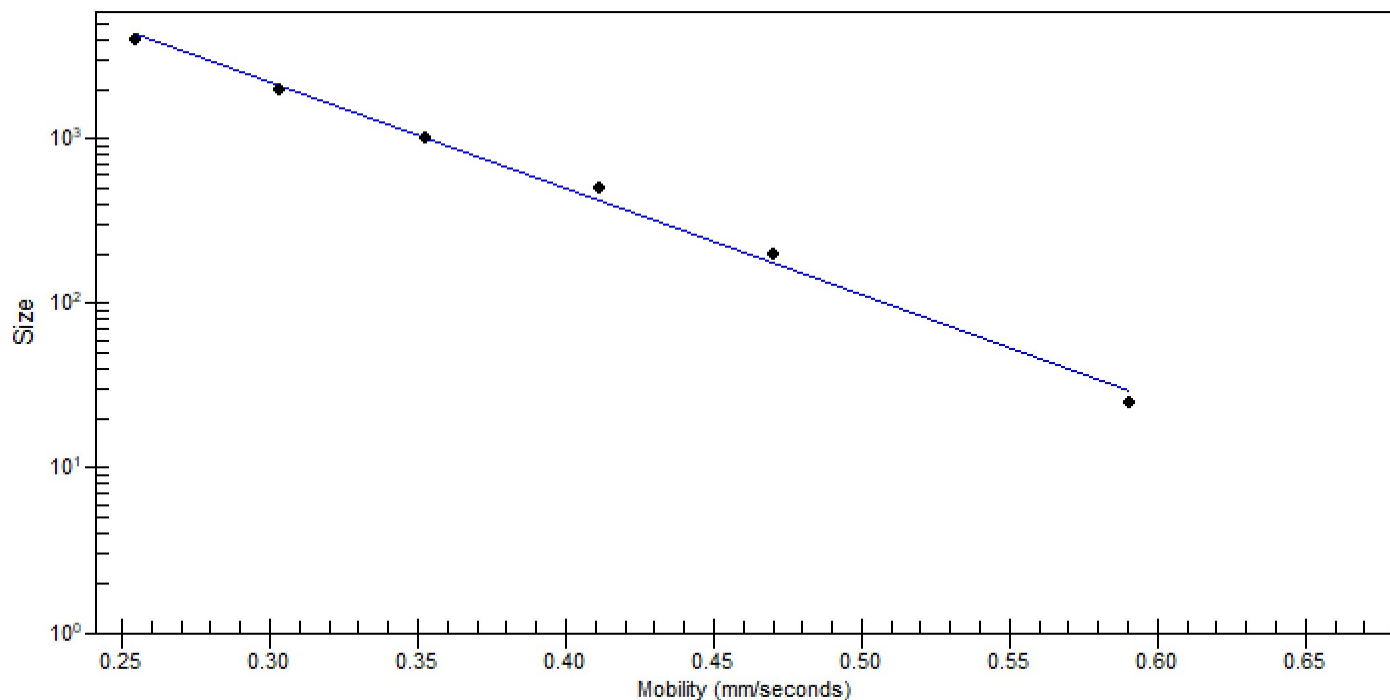


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
Modified: 9/21/2023 11:38:09 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-21\QC1615.xad

Created: 9/21/2023 10:55:16 AM
 Modified: 9/21/2023 11:38:09 AM

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		9/21/2023 11:17:17 AM	(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\2023-09-21\Bioanalyzer1_Eukaryote Total RNA Pico_DE34903152_2023-09-21_002.xad)		Instrument	Run		9/21/2023 10:55:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/21/2023 10:55:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/21/2023 10:55:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/21/2023 10:55:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/21/2023 10:55:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/21/2023 10:55:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/21/2023 10:55:21 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB