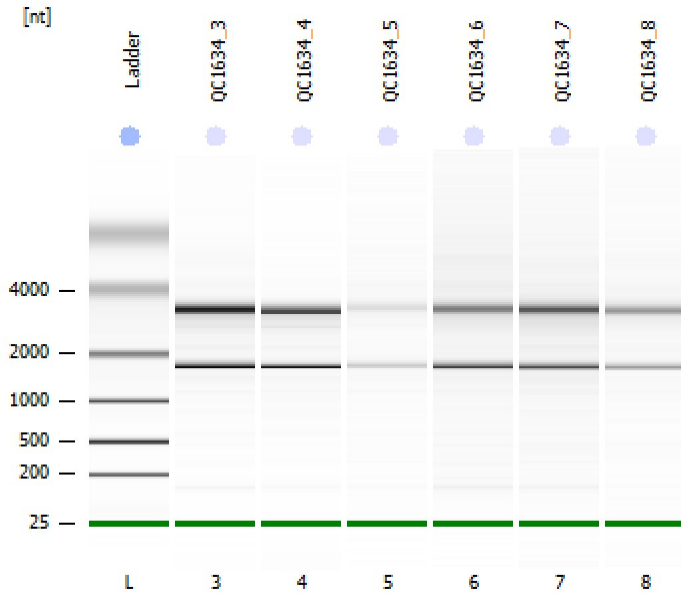


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 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 Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

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Chip Information:

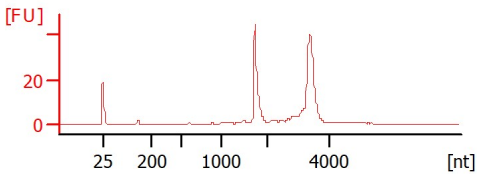
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

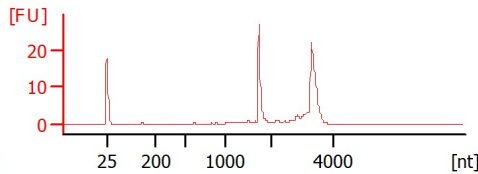
QC1634_3

RIN: 9.70



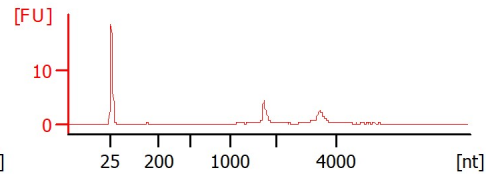
QC1634_4

RIN: 9.50



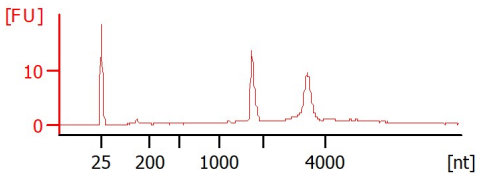
QC1634_5

RIN: 8.40



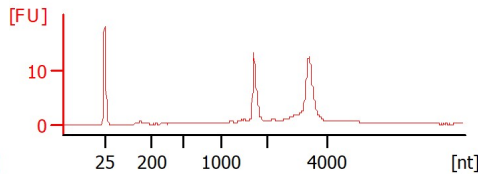
QC1634_6

RIN: 9.20



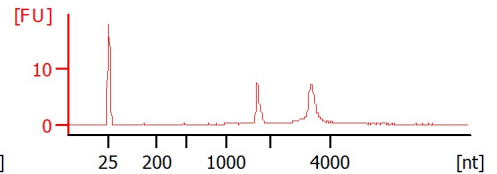
QC1634_7

RIN: 9.30



QC1634_8

RIN: 9.60



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
 Modified: 10/17/2023 4:10:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
QC1634_3		✓	RIN: 9.70	
QC1634_4		✓	RIN: 9.50	
QC1634_5		✓	RIN: 8.40	
QC1634_6		✓	RIN: 9.20	
QC1634_7		✓	RIN: 9.30	
QC1634_8		✓	RIN: 9.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 19

End Analysis Time Range [s] : 69

Ladder Concentration [ng/ μ l] : 150

Lower Marker Concentration [ng/ μ l] : 0

Upper Marker Concentration [ng/ 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] : 19

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.5

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

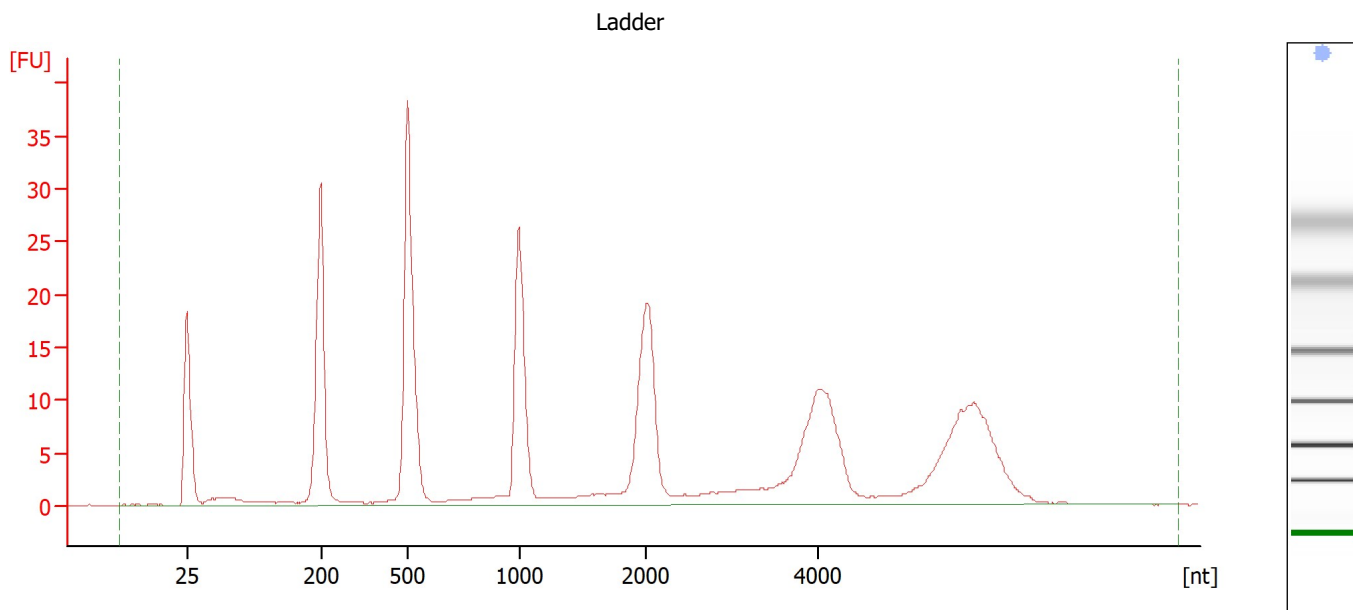
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Electropherogram Summary



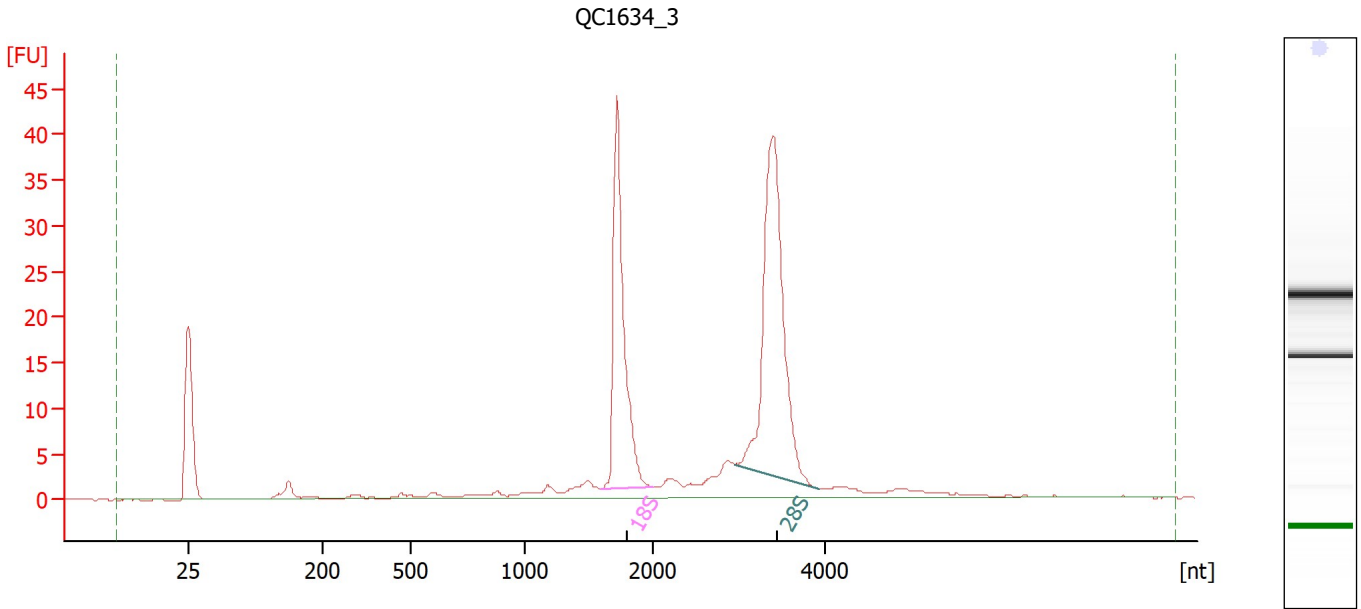
Overall Results for Ladder

RNA Area:	308.2	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1634_3

RNA Area: 207.5 RNA Integrity Number (RIN): 9.7 (B.02.10)
RNA Concentration: 101 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.70

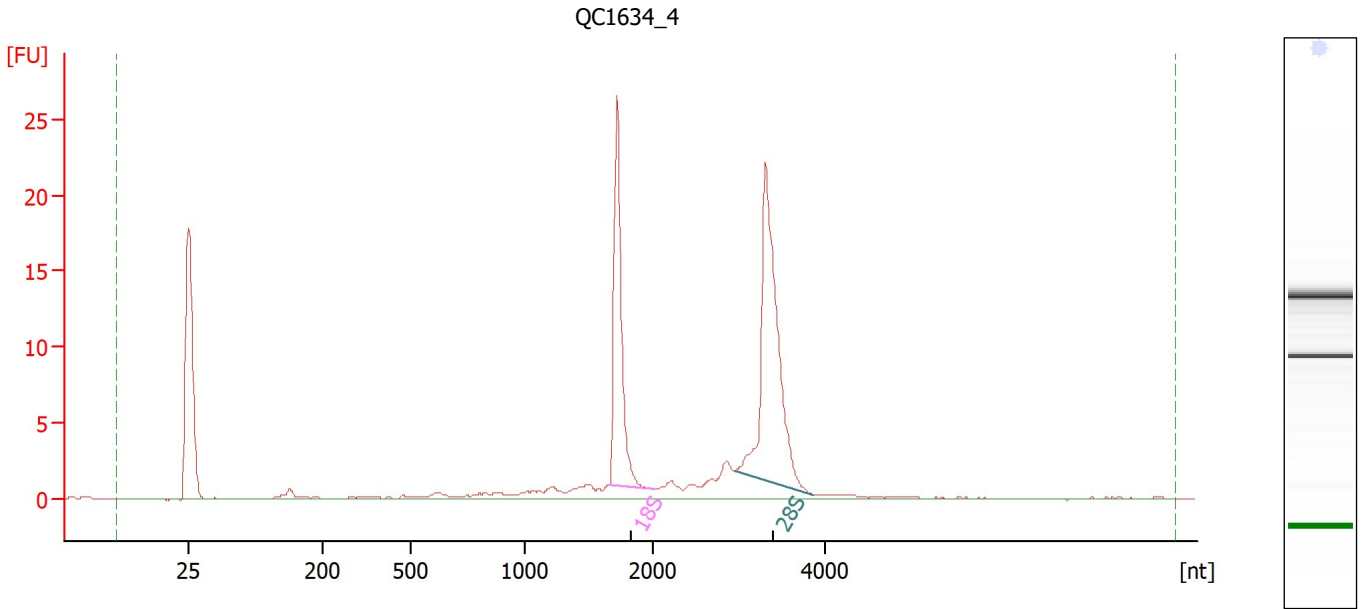
Fragment table for sample 3 : QC1634_3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	2,002	53.4	25.7
28S	2,950	3,923	79.3	38.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1634 4

RNA Area: 90.8 RNA Integrity Number (RIN): 9.5 (B.02.10)
RNA Concentration: 44 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 9.50

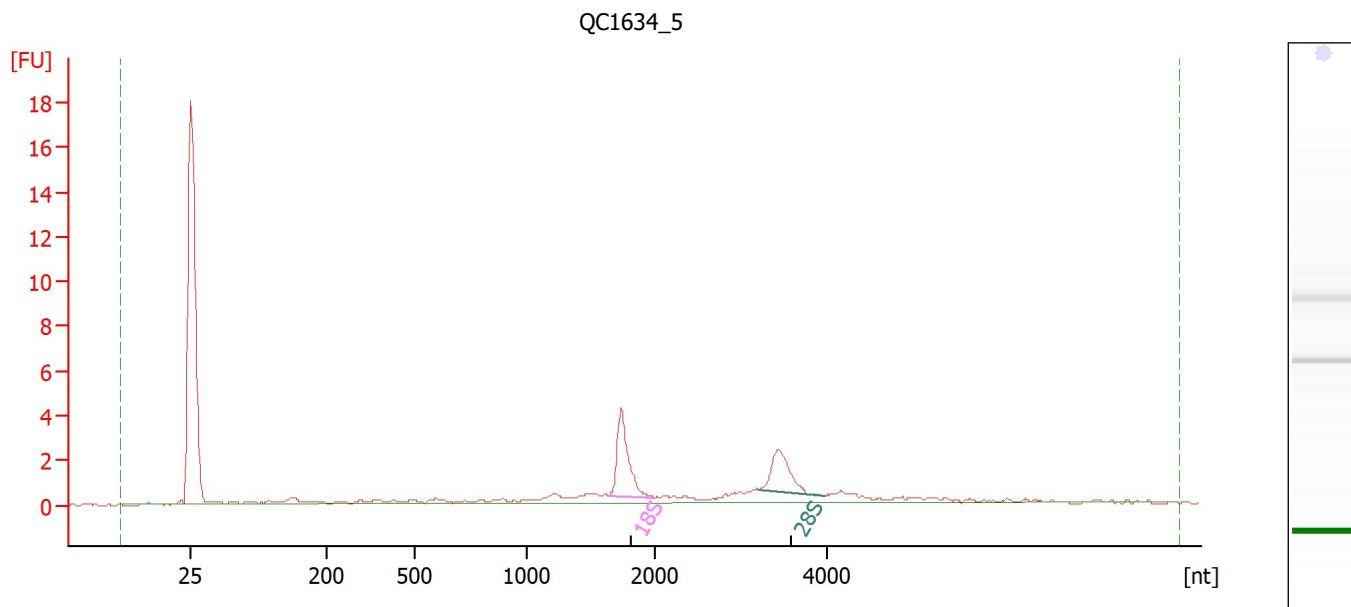
Fragment table for sample 4 : QC1634 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	2,027	22.9	25.2
28S	2,962	3,849	36.1	39.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
 Modified: 10/17/2023 4:10:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1634_5

RNA Area:	29.4	RNA Integrity Number (RIN):	8.4 (B.02.10)
RNA Concentration:	14 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 8.40

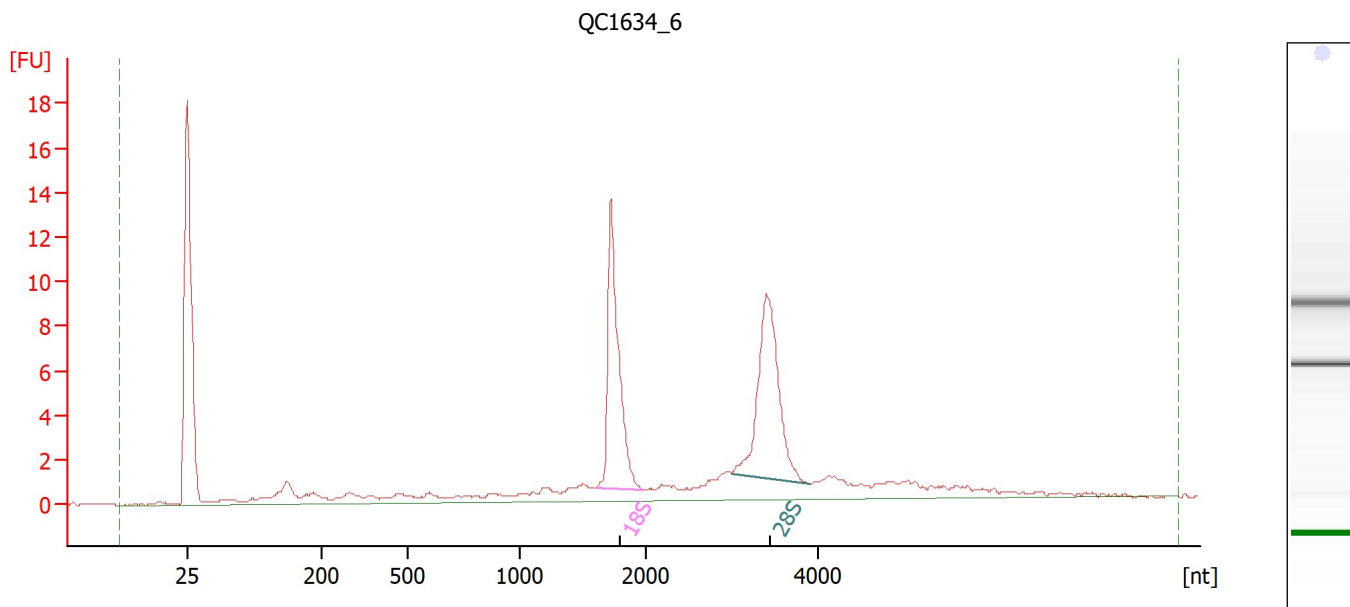
Fragment table for sample 5 : QC1634_5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	2,001	5.3	18.0
28S	3,211	3,964	3.7	12.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
 Modified: 10/17/2023 4:10:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1634_6

RNA Area:	84.2	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	41 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.20

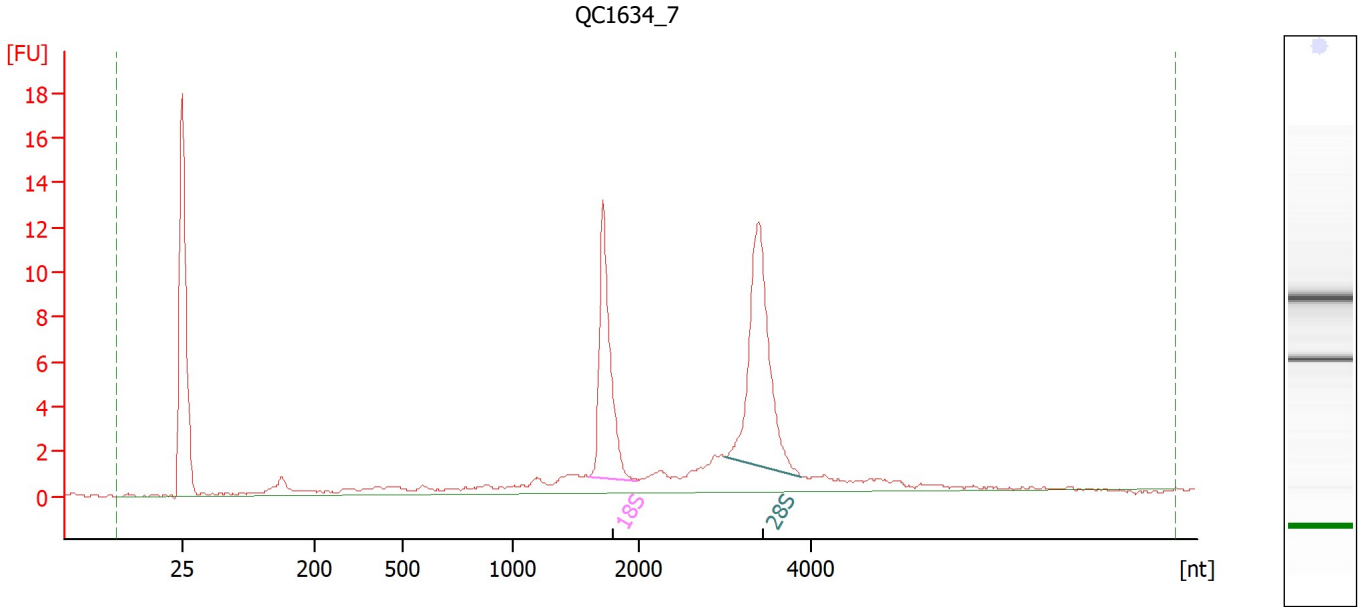
Fragment table for sample 6 : QC1634_6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,596	1,974	17.7	21.0
28S	2,981	3,900	18.6	22.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1634_7

RNA Area: 81.4 RNA Integrity Number (RIN): 9.3 (B.02.10)
RNA Concentration: 40 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.30

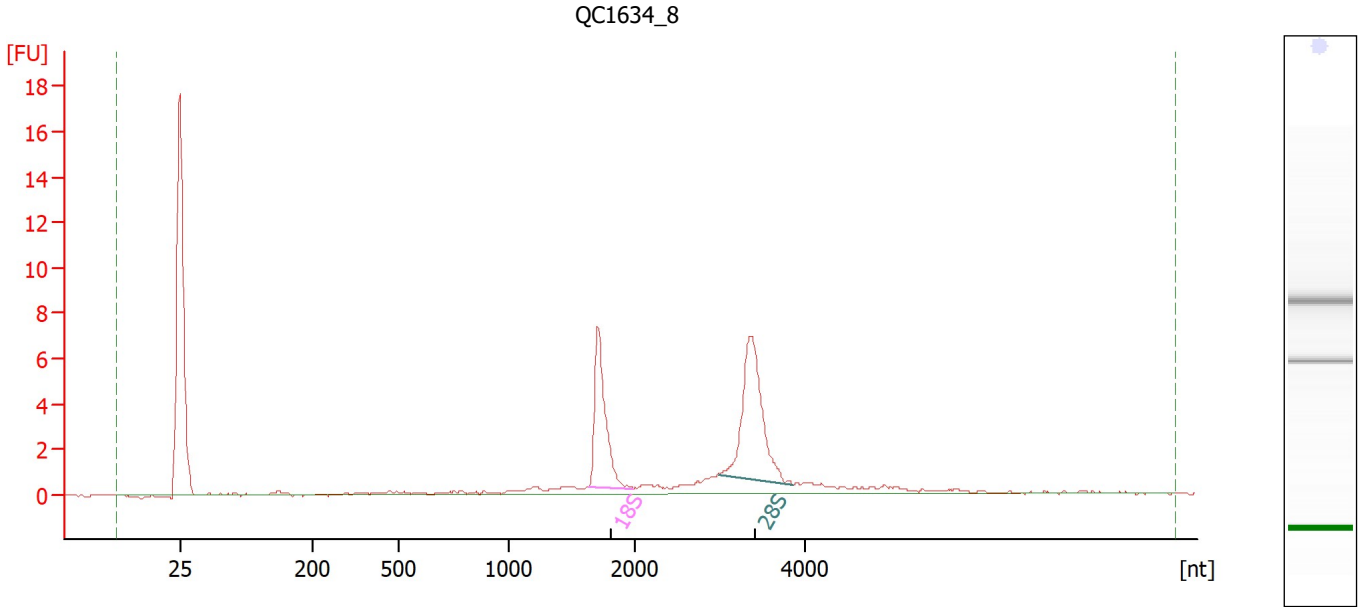
Fragment table for sample 7 : QC1634_7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,593	1,982	16.5	20.3
28S	2,996	3,895	23.5	28.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1634 8

RNA Area:	40.9	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	20 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.60

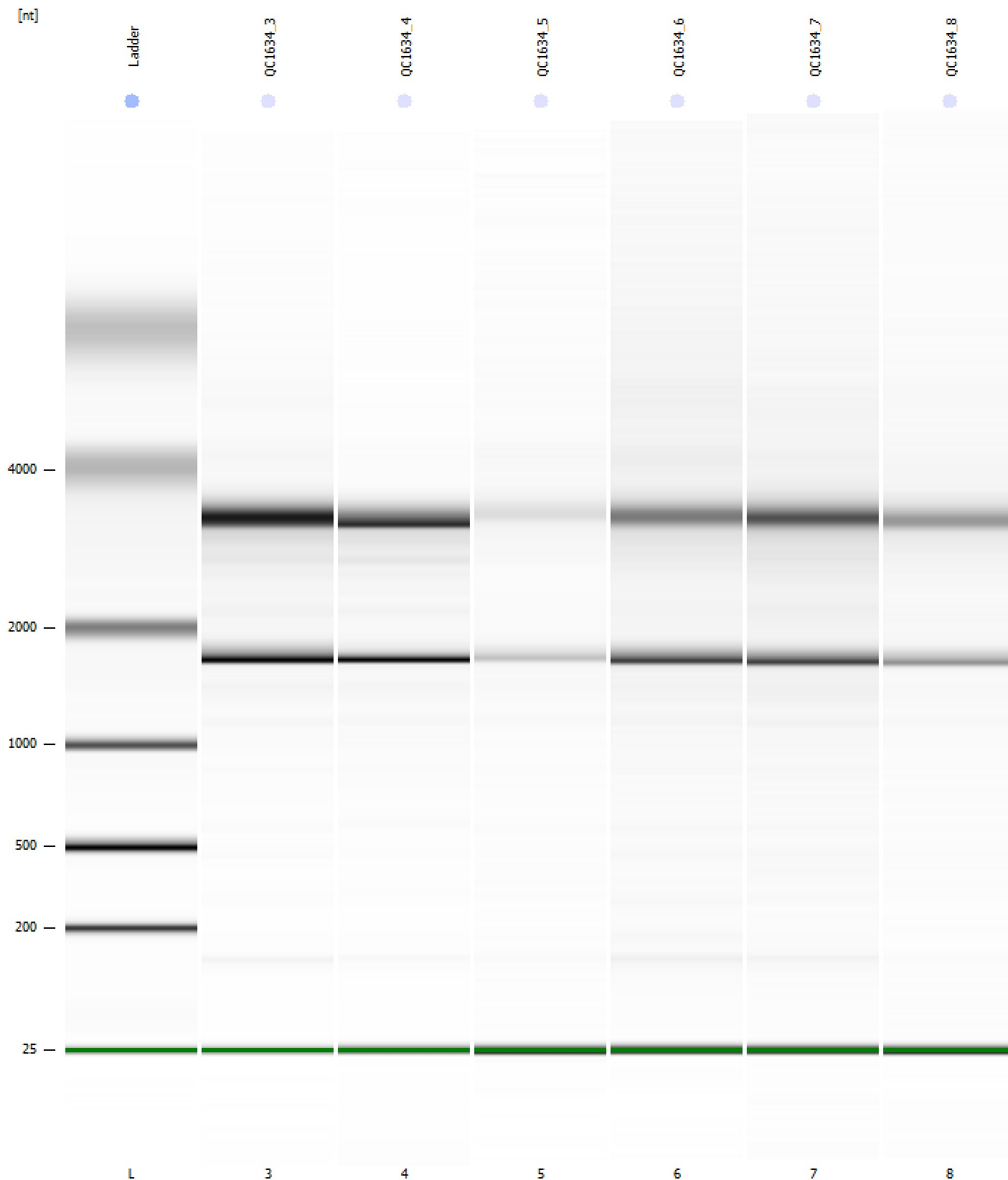
Fragment table for sample 8 : QC1634 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	1,981	9.3	22.8
28S	2,987	3,839	13.5	33.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Gel Image

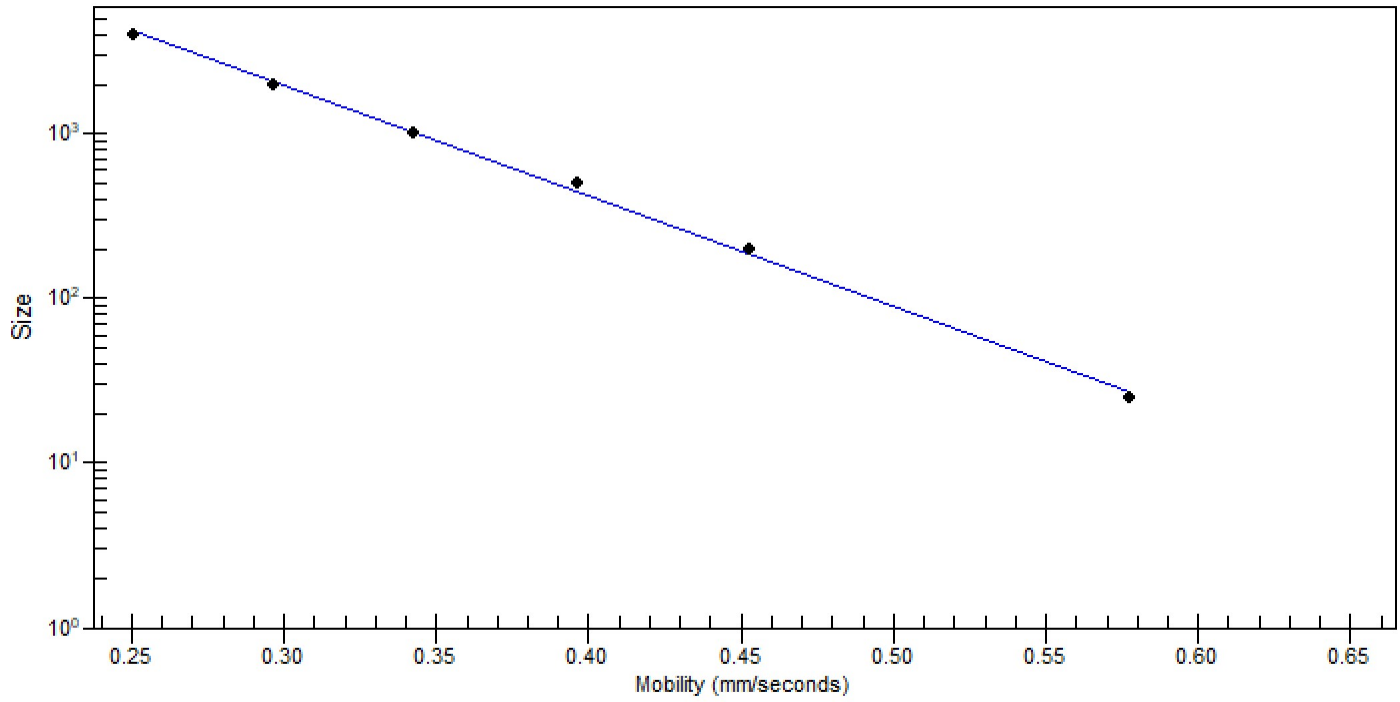


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
Modified: 10/17/2023 4:10:41 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-17\QC1634_3-8.xad

Created: 10/17/2023 3:35:10 PM
 Modified: 10/17/2023 4:10:41 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		10/17/2023 3:59:02 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\2023-10-17\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-10-17_001.xad)		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/17/2023 3:35:16 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB