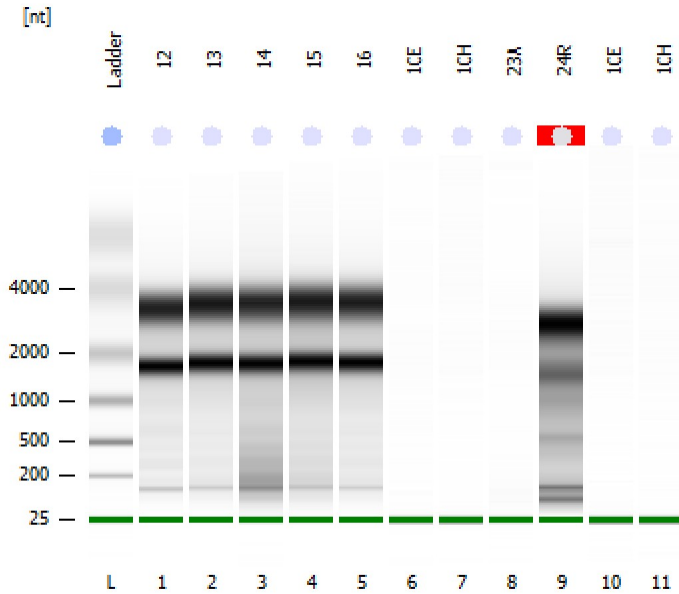


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/8/2023 4:59:26 PM

Electrophoresis File Run Summary



Instrument Information:

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

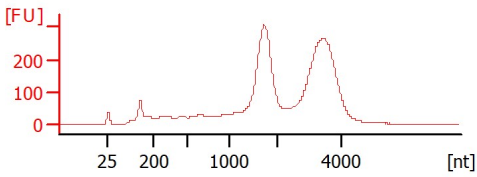
Assay Information:

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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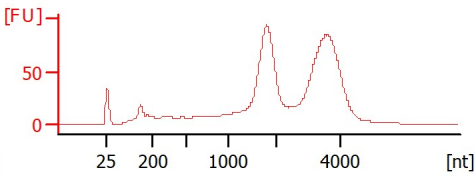
Chip Information:

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

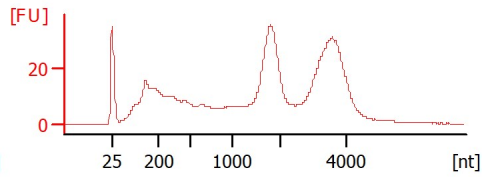
12
TAG0209
RIN: 9.30



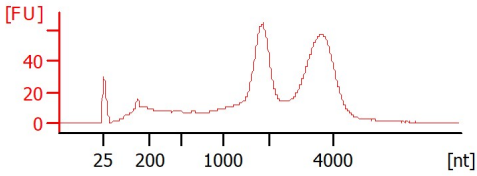
13
TAG0209
RIN: 9.60



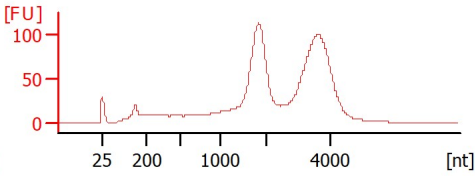
14
TAG0209
RIN: 8.20



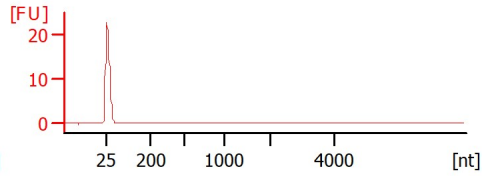
15
TAG0209
RIN: 8.90



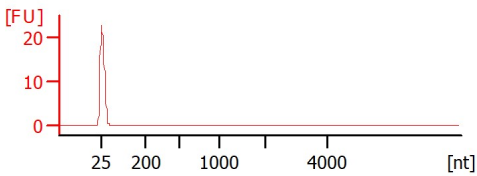
16
TAG0209
RIN: 9.30



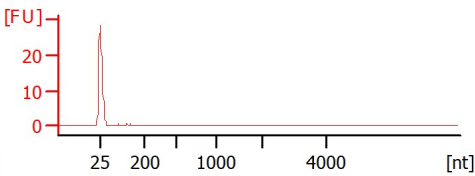
1CE
QC1508
RIN:1



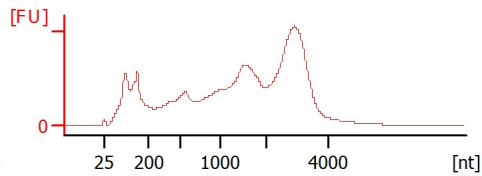
1CH
QC1508
RIN:1



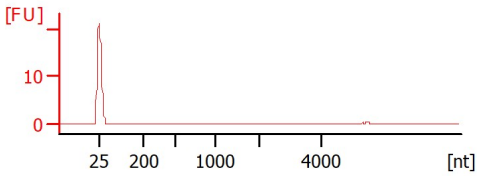
23A
QC1503
RIN:1



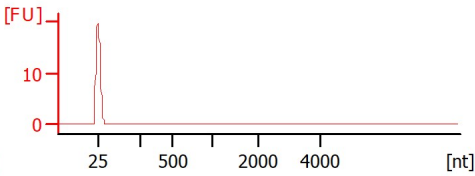
24R
QC1503
RIN N/A



1CE
QC1508
RIN:1



1CH
QC1508
RIN:1



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
12	TAG0209	✓	RIN: 9.30	
13	TAG0209	✓	RIN: 9.60	
14	TAG0209	✓	RIN: 8.20	
15	TAG0209	✓	RIN: 8.90	
16	TAG0209	✓	RIN: 9.30	
1CE	QC1508	✓	RIN:1	
1CH	QC1508	✓	RIN:1	
23A	QC1503	✓	RIN:1	
24R	QC1503	✓	RIN N/A	
1CE	QC1508	✓	RIN:1	
1CH	QC1508	✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

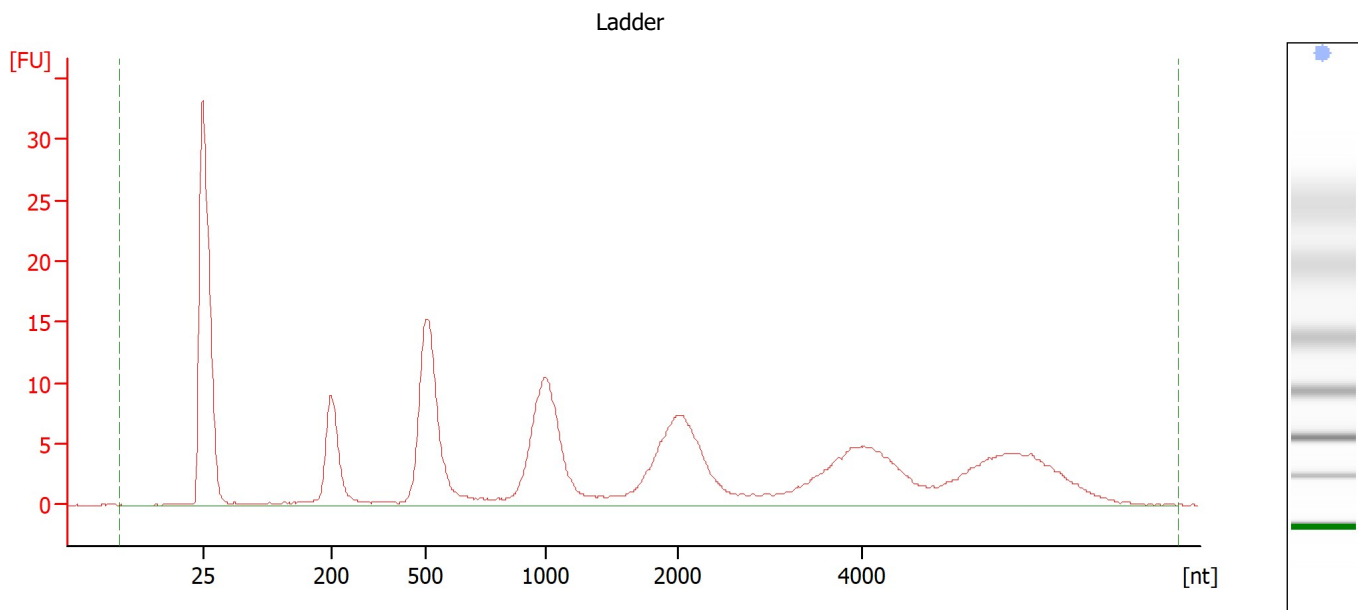
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary



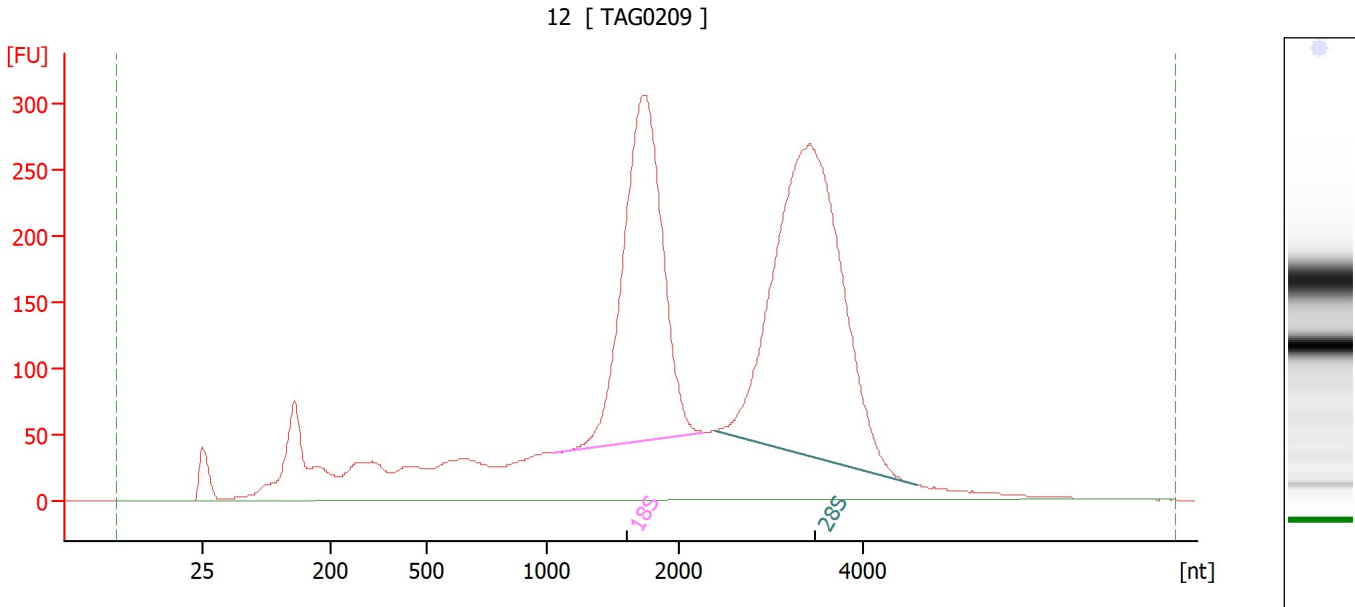
Overall Results for Ladder

RNA Area:	244.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 12

RNA Area:	5,564.9	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	22,805 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.30

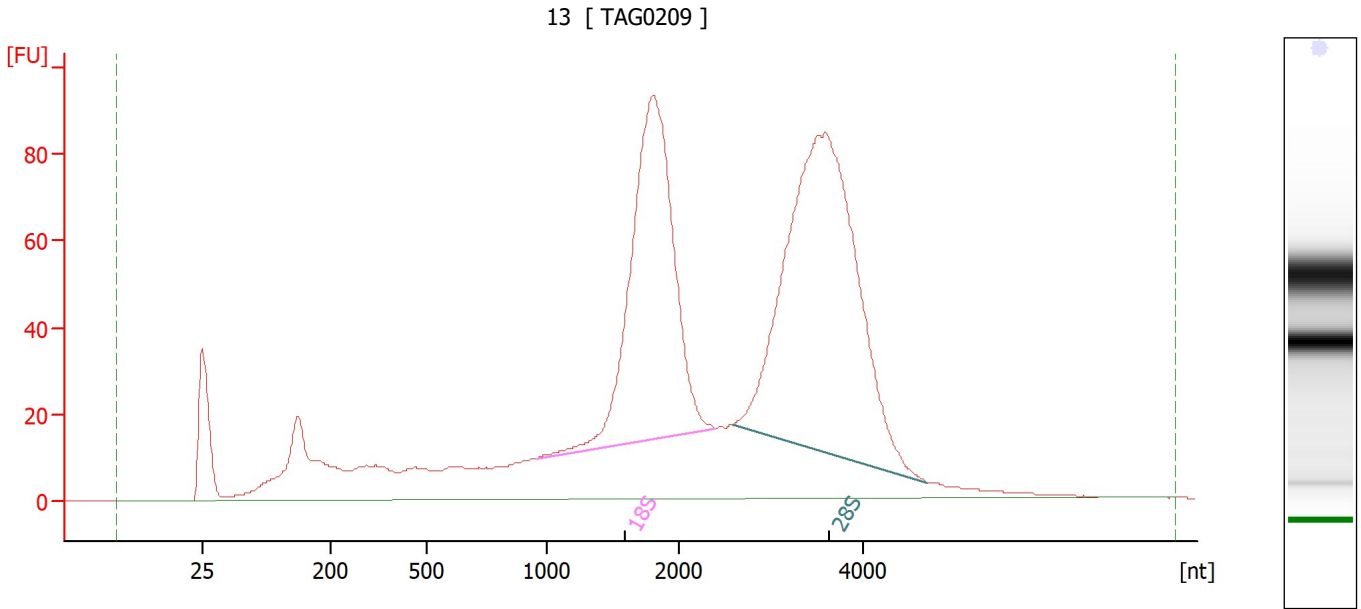
Fragment table for sample 1 : 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,053	2,267	1,262.0	22.7
28S	2,383	4,571	1,705.0	30.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 13

RNA Area:	1,768.2	RNA Integrity Number (RIN):	9.6 (B.02.10)
RNA Concentration:	7,246 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.60

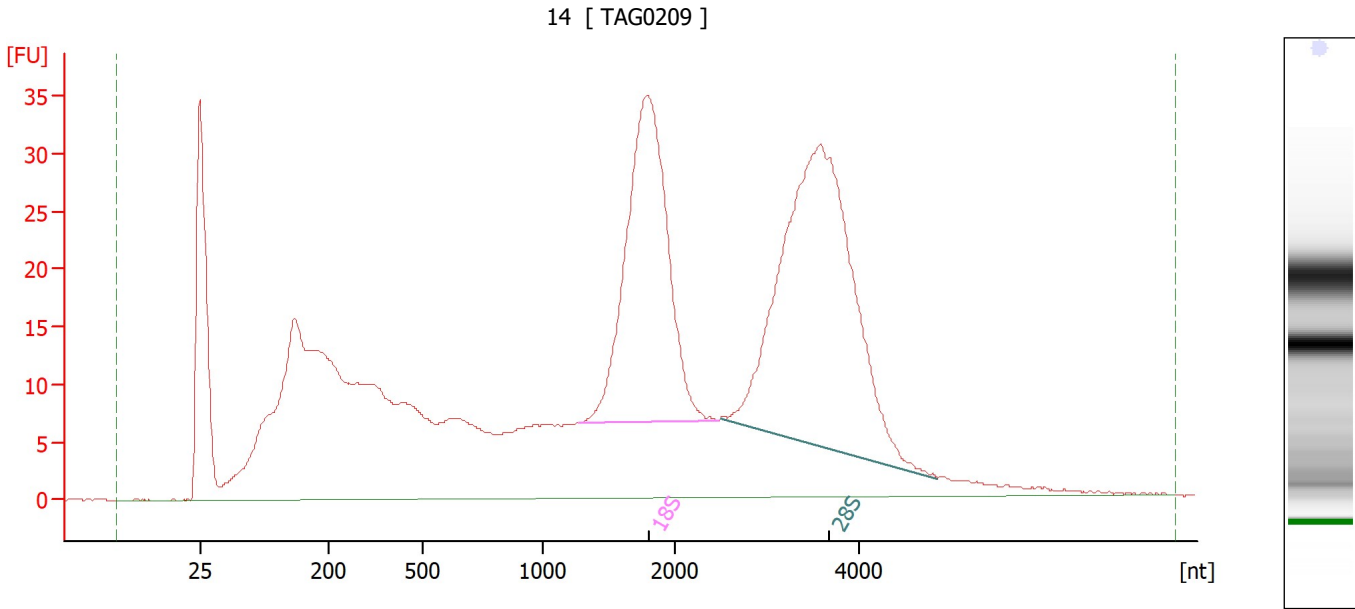
Fragment table for sample 2 : 13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	962	2,394	411.1	23.3
28S	2,580	4,698	553.6	31.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 14

RNA Area:	938.8	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	3,847 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.20

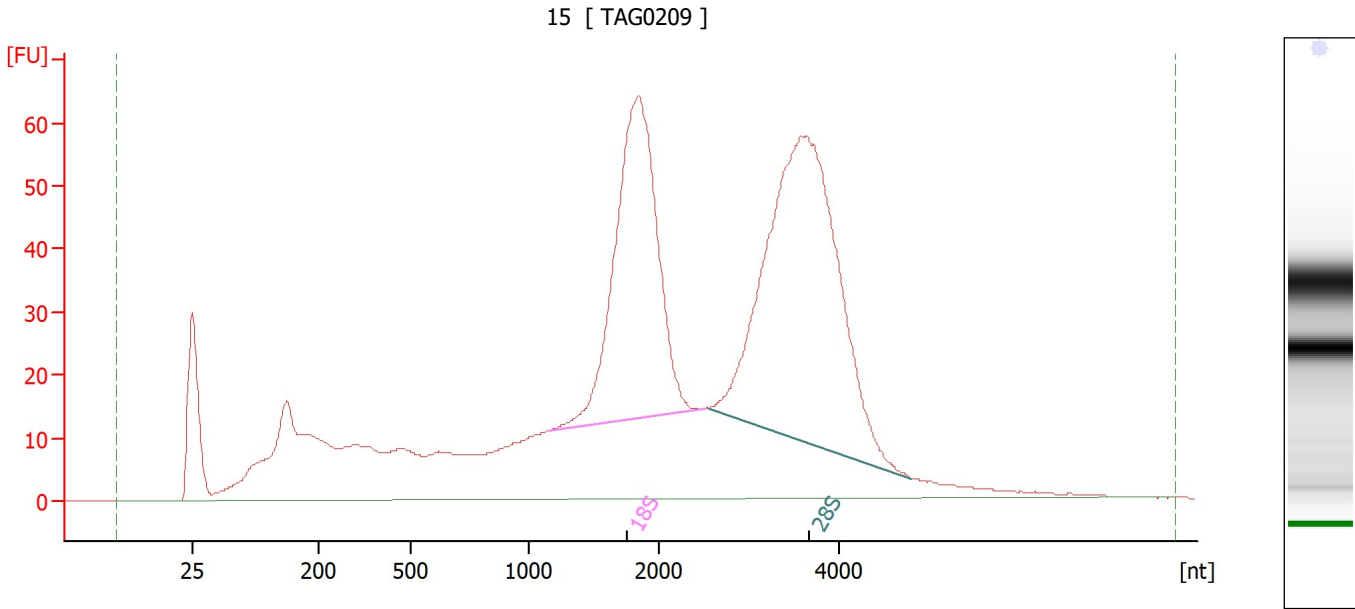
Fragment table for sample 3 : 14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,282	2,476	144.5	15.4
28S	2,499	4,860	198.7	21.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 15

RNA Area:	1,432.1	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	5,869 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

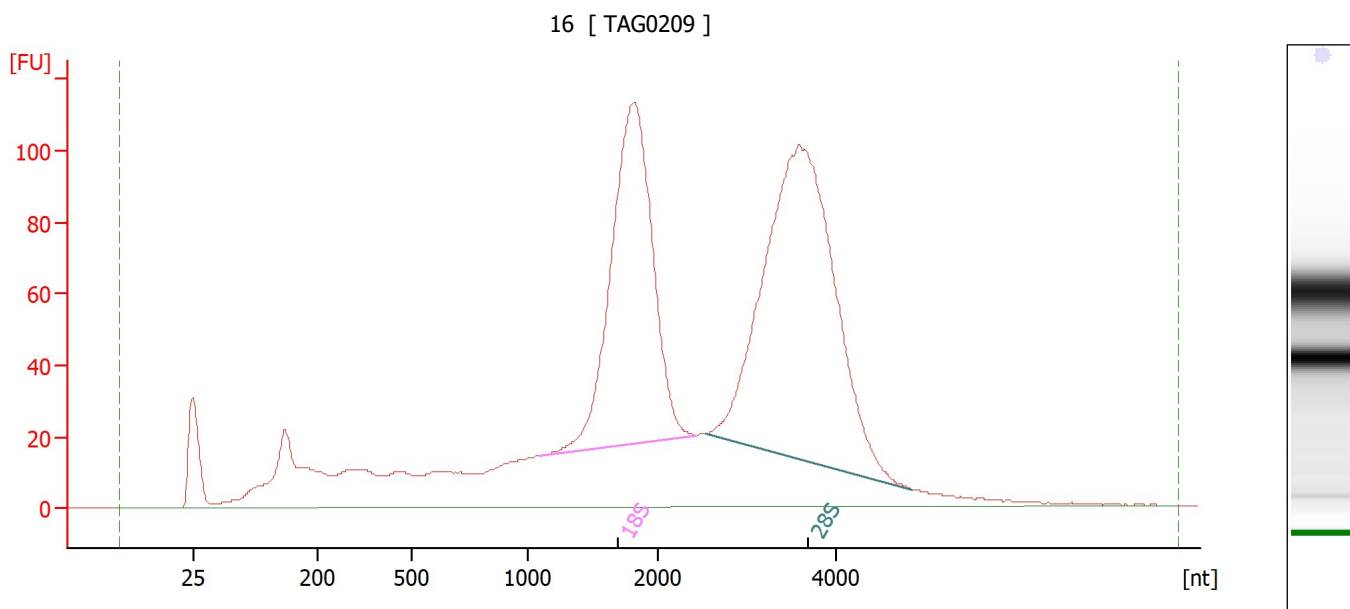
Fragment table for sample 4 : 15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,167	2,515	270.5	18.9
28S	2,562	4,810	377.6	26.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 16

RNA Area:	2,199.7	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	9,015 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.30

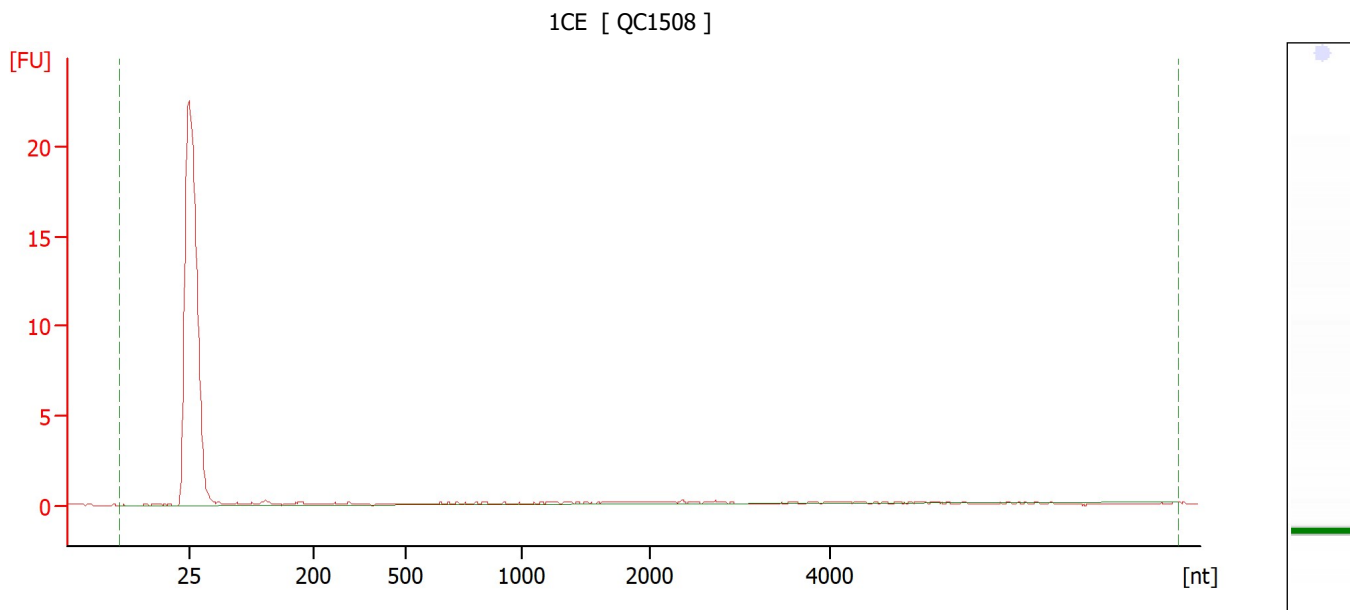
Fragment table for sample 5 : 16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,097	2,433	496.6	22.6
28S	2,552	4,845	668.3	30.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



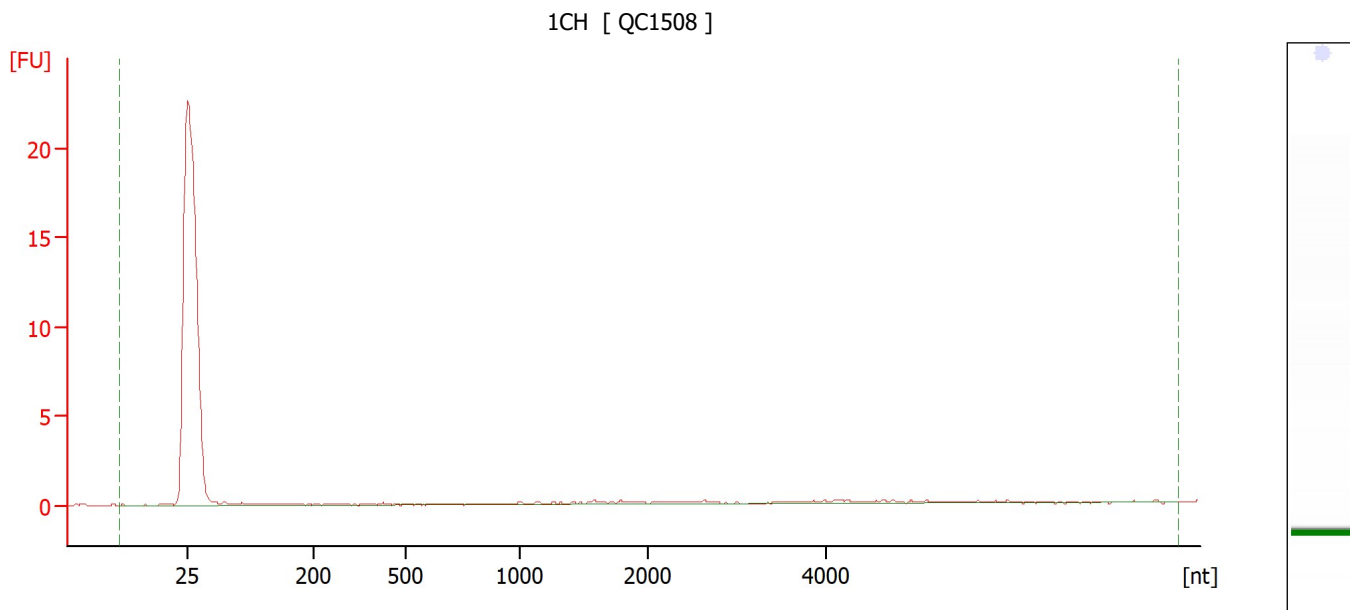
Overall Results for sample 6 : 1CE

RNA Area:	9.5	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	39 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



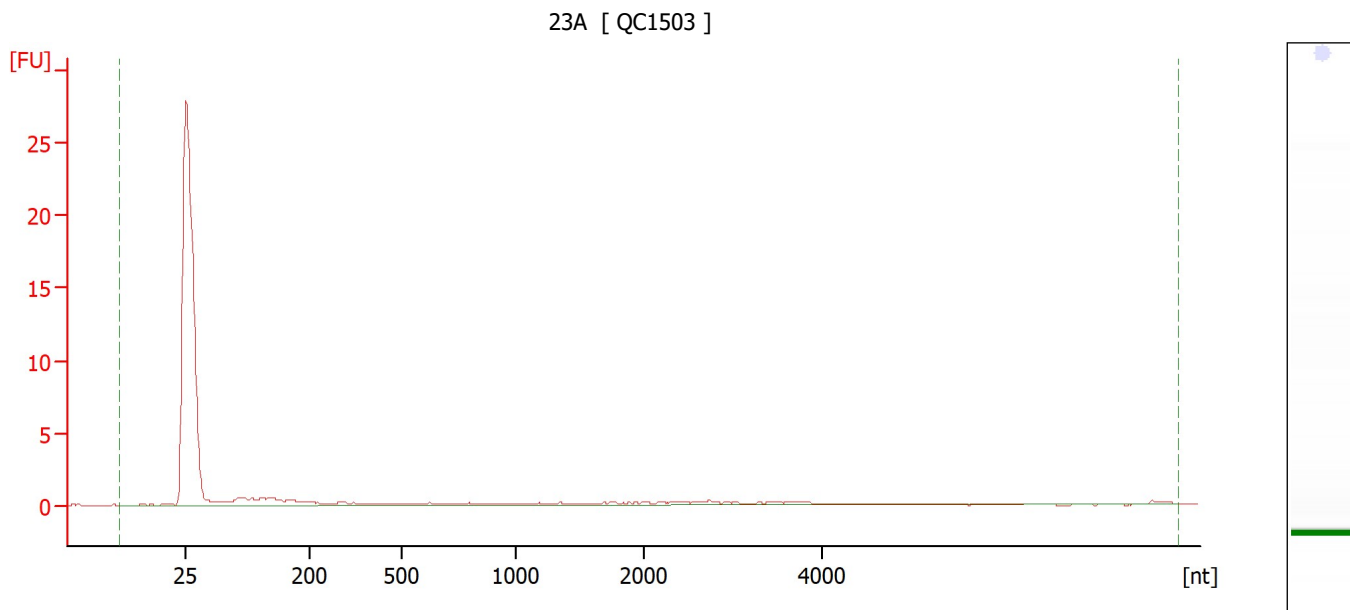
Overall Results for sample 7 : 1CH

RNA Area:	7.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	30 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



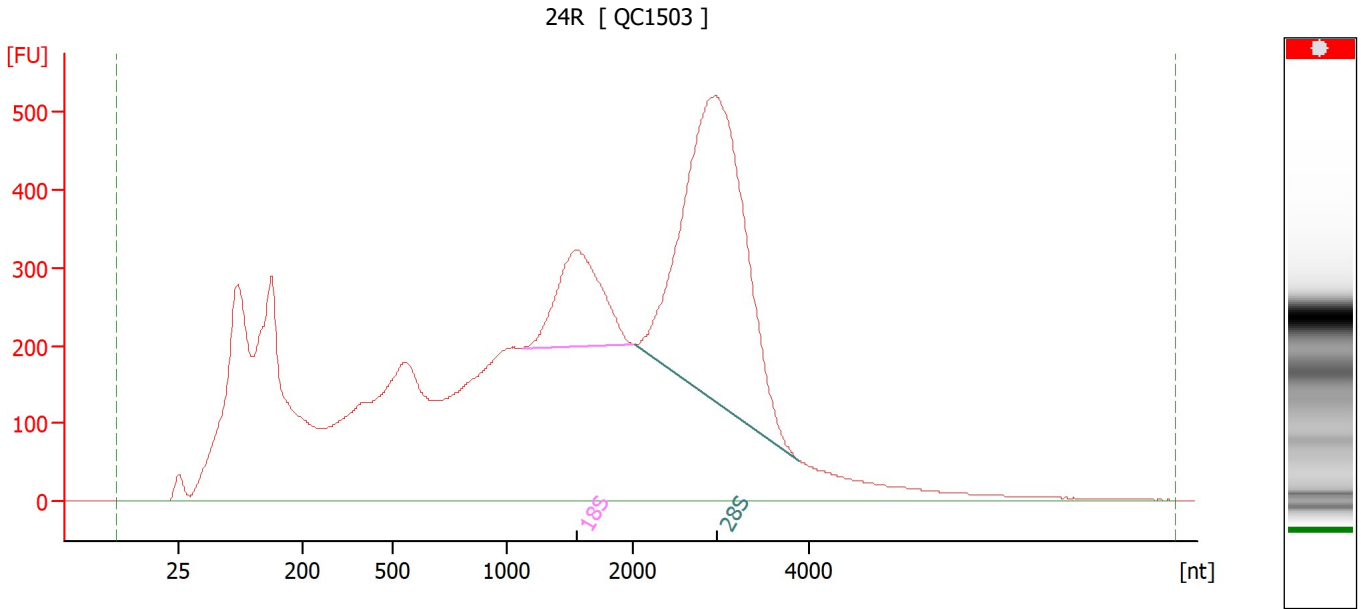
Overall Results for sample 8 : 23A

RNA Area:	16.1	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	66 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 24R

RNA Area:	16,001.7	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	65,575 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.9	Result Flagging Label:	RIN N/A

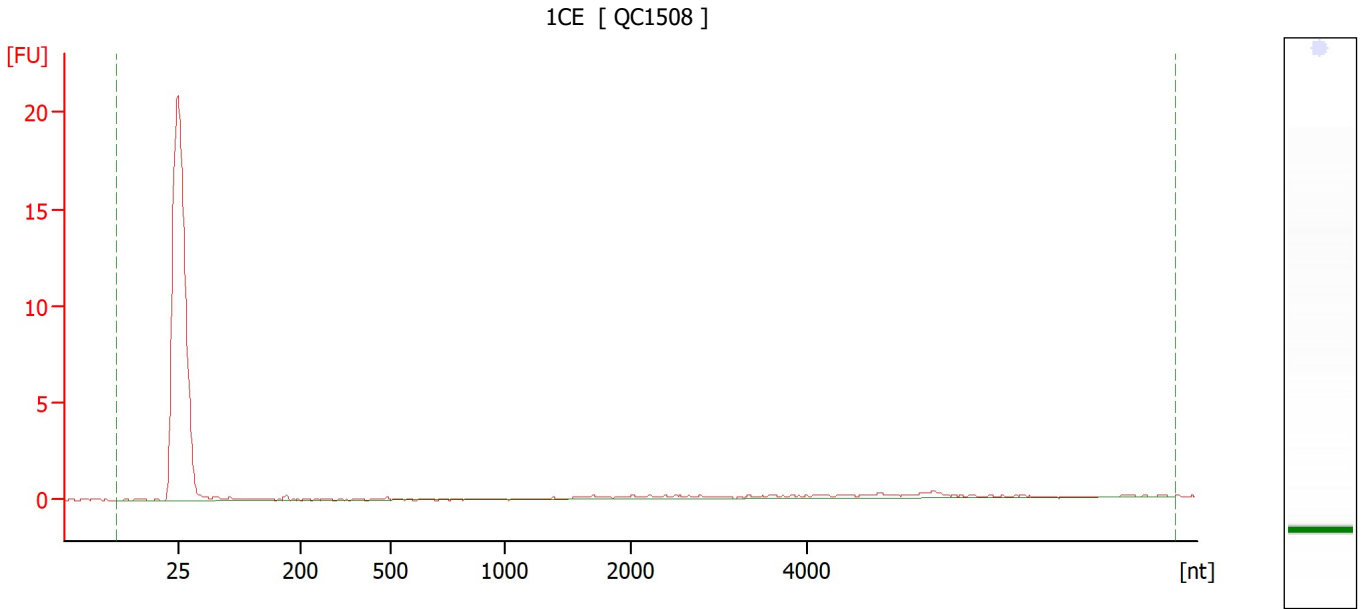
Fragment table for sample 9 : 24R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,123	1,999	739.0	4.6
28S	2,023	3,894	2,851.1	17.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



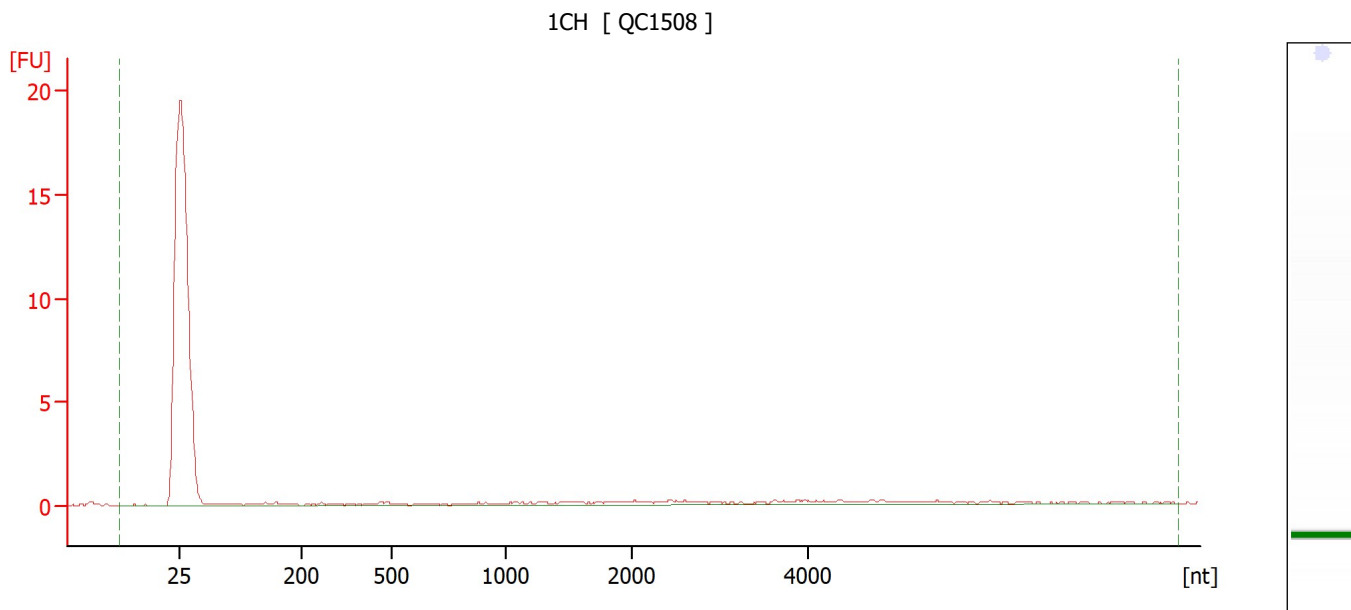
Overall Results for sample 10 : 1CE

RNA Area:	7.3	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	30 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 PM

Electropherogram Summary Continued ...



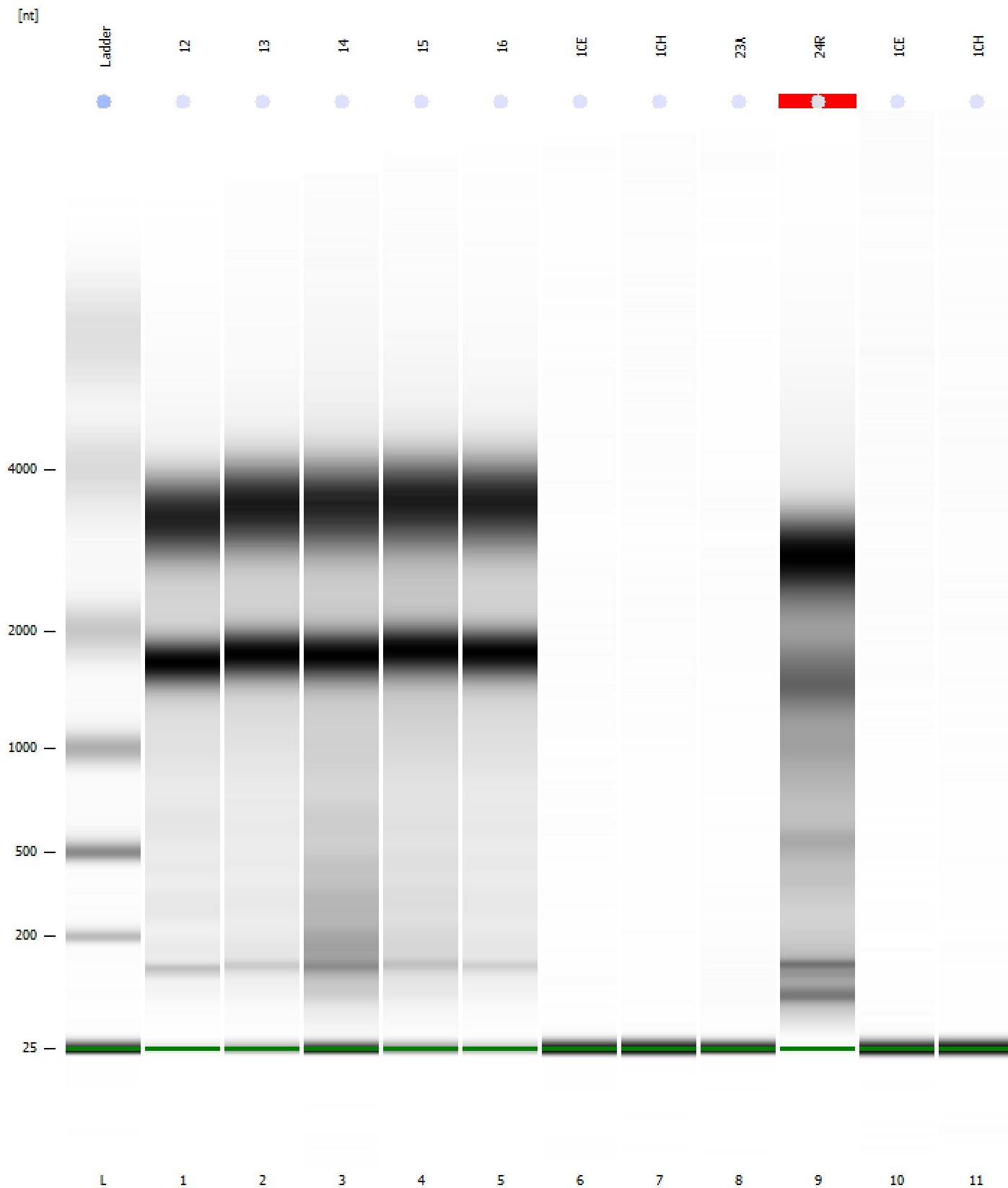
Overall Results for sample 11 : 1CH

RNA Area:	7.9	RNA Integrity Number (RIN):	1 (B.02.10)
RNA Concentration:	32 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/8/2023 4:59:26 PM

Gel Image

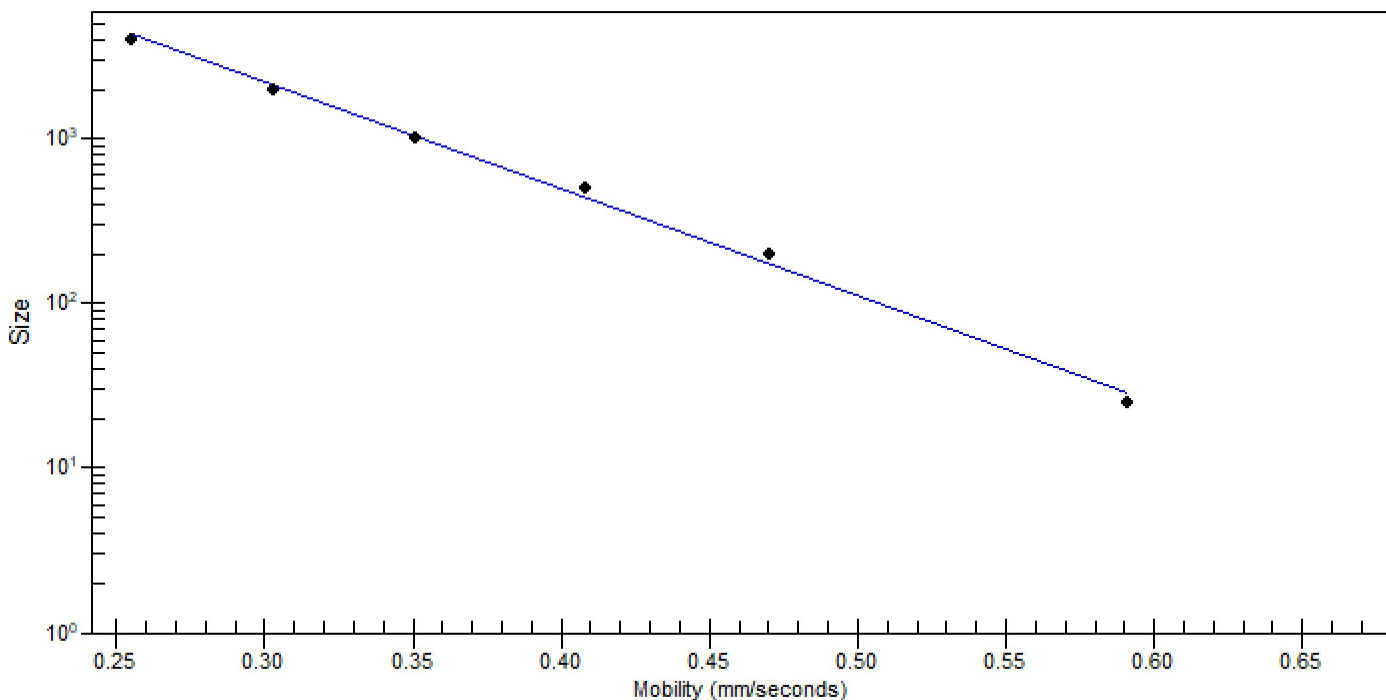


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
Modified: 6/8/2023 4:59:26 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad

Created: 6/8/2023 4:37:20 PM
 Modified: 6/8/2023 4:59:26 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		6/8/2023 4:59:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-08\Bioanalyzer1_Eukaryote Total RNA Pico_2023-06-08_001.xad)		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/8/2023 4:37:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB