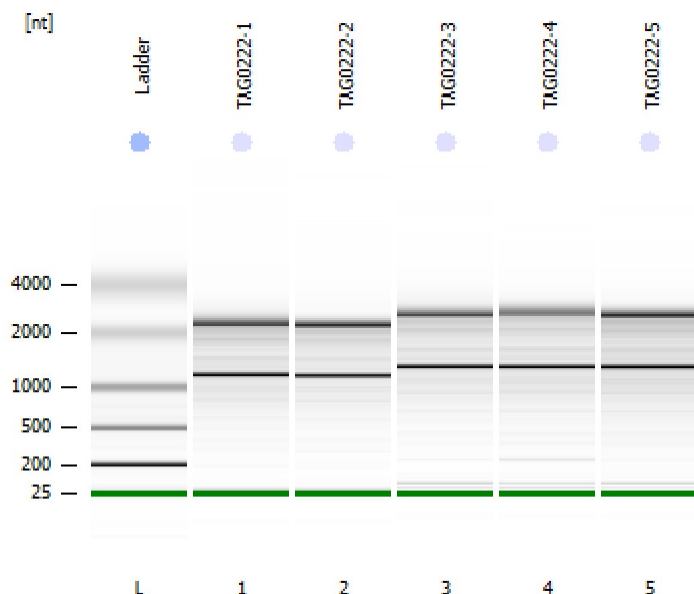


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

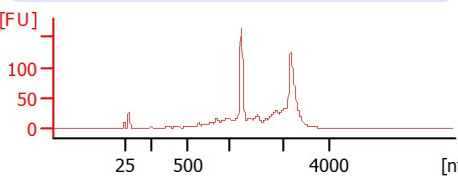
Assay Information:

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)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

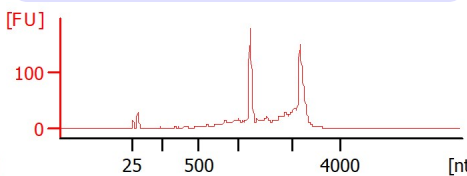
Chip Information:

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

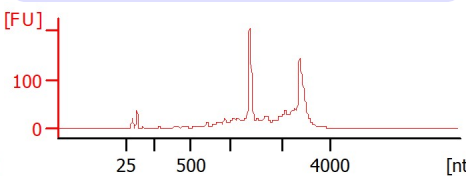
**TAG0222-1**  
 SCRUN1  
 RIN: 6.10



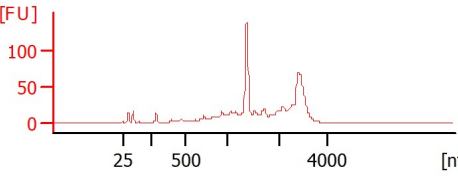
**TAG0222-2**  
 SCRINF1  
 RIN: 5.60



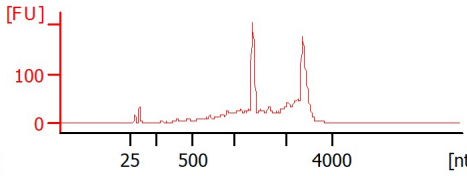
**TAG0222-3**  
 CBLKOINF1  
 RIN:6



**TAG0222-4**  
 SCRUN2  
 RIN:6



**TAG0222-5**  
 SCRINF2  
 RIN: 5.10



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
TAG0222-1	SCRUN1	✓	RIN: 6.10	
TAG0222-2	SCRINF1	✓	RIN: 5.60	
TAG0222-3	CBLKOINF1	✓	RIN:6	
TAG0222-4	SCRUN2	✓	RIN:6	
TAG0222-5	SCRINF2	✓	RIN: 5.10	
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\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
Modified: 8/2/2023 1:34:05 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/ $\mu$ l] : 150  
Lower Marker Concentration [ng/ $\mu$ l] : 0  
Upper Marker Concentration [ng/ $\mu$ 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

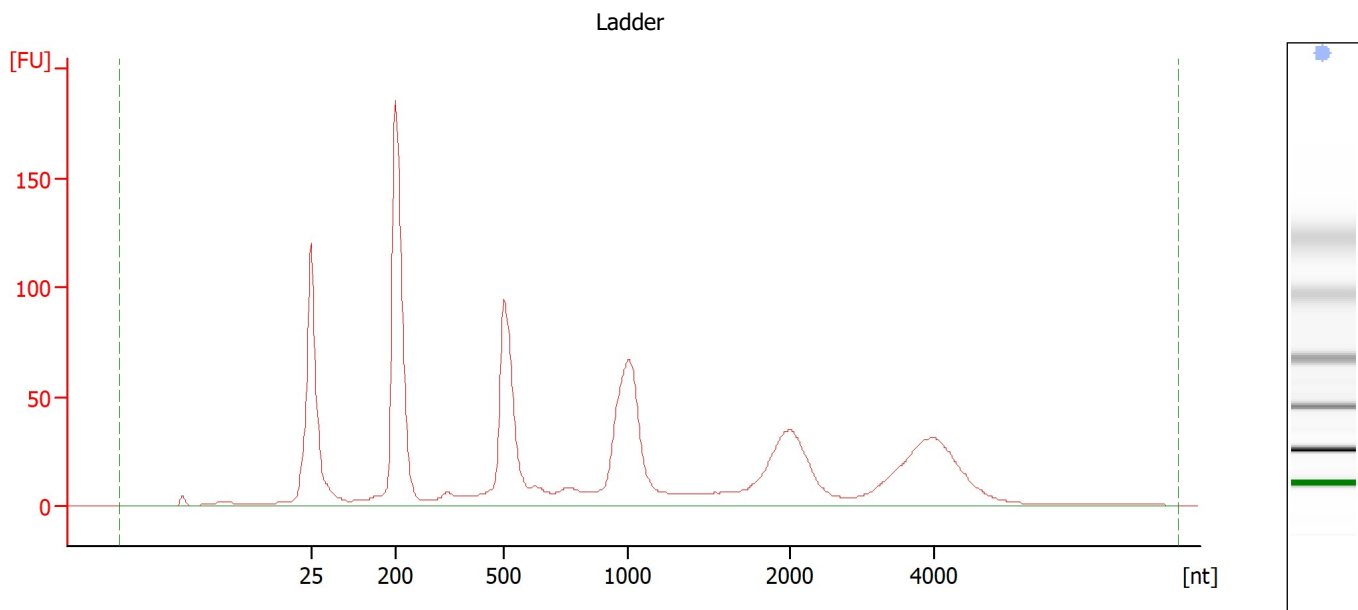
### Ladder

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\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
Modified: 8/2/2023 1:34:05 PM

**Electropherogram Summary**



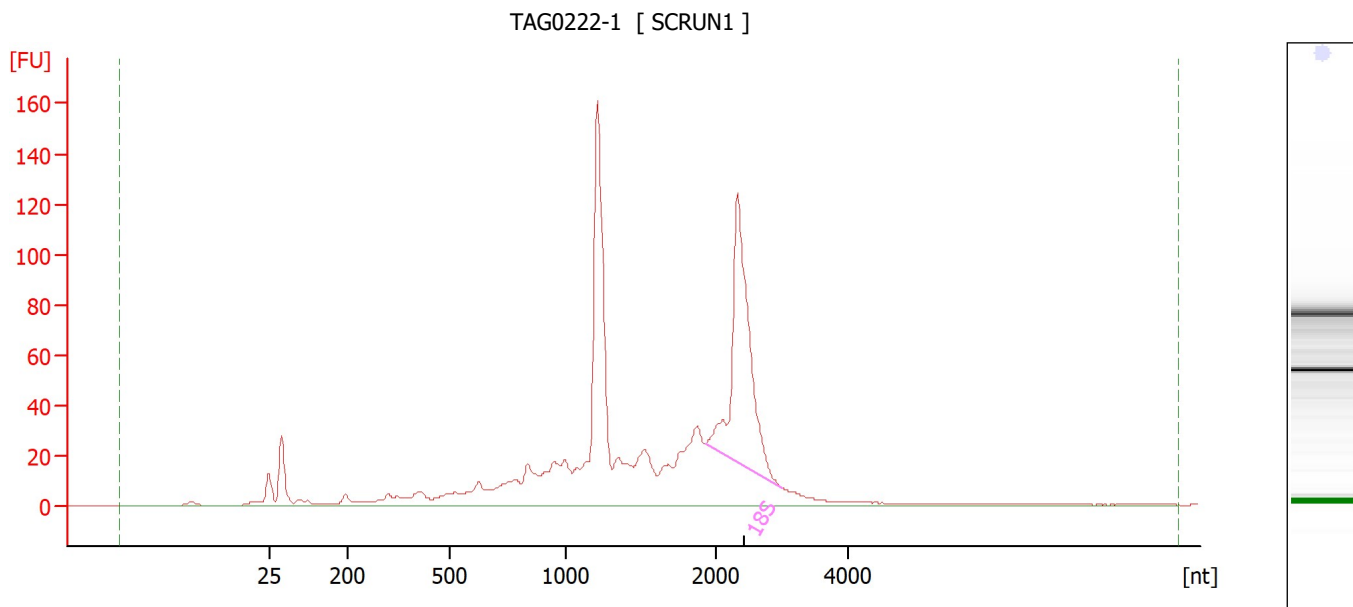
**Overall Results for Ladder**

RNA Area:	1,243.5	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/ $\mu$ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : TAG0222-1**

RNA Area:	1,018.0	RNA Integrity Number (RIN):	6.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	123 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.10

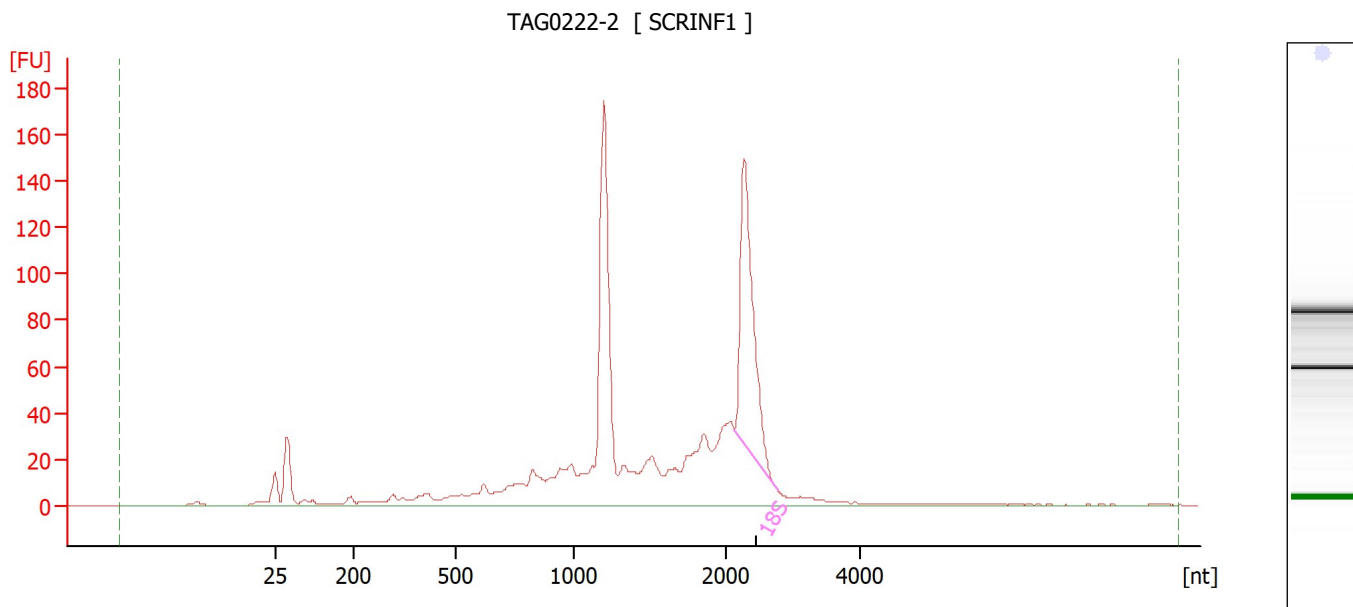
**Fragment table for sample 1 : TAG0222-1**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,933	2,988	206.0	20.2

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : TAG0222-2**

RNA Area:	990.6	RNA Integrity Number (RIN):	5.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	119 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.60

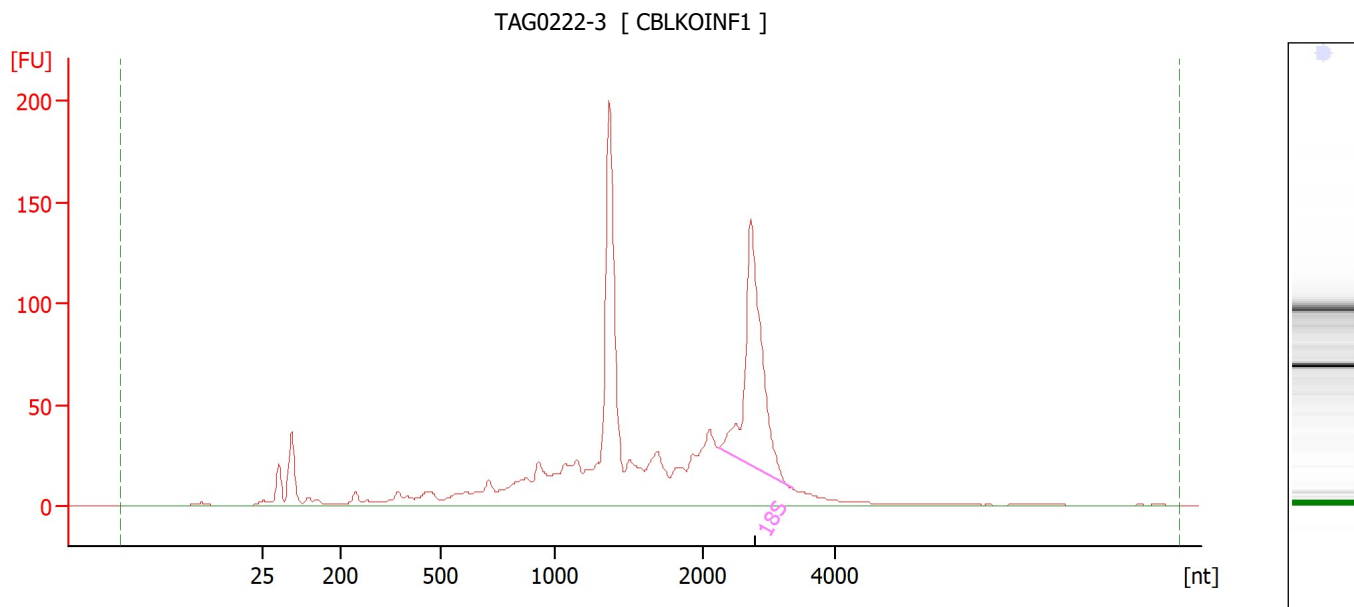
**Fragment table for sample 2 : TAG0222-2**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,139	2,774	169.1	17.1

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : TAG0222-3**

RNA Area:	1,221.7	RNA Integrity Number (RIN):	6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	147 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:6

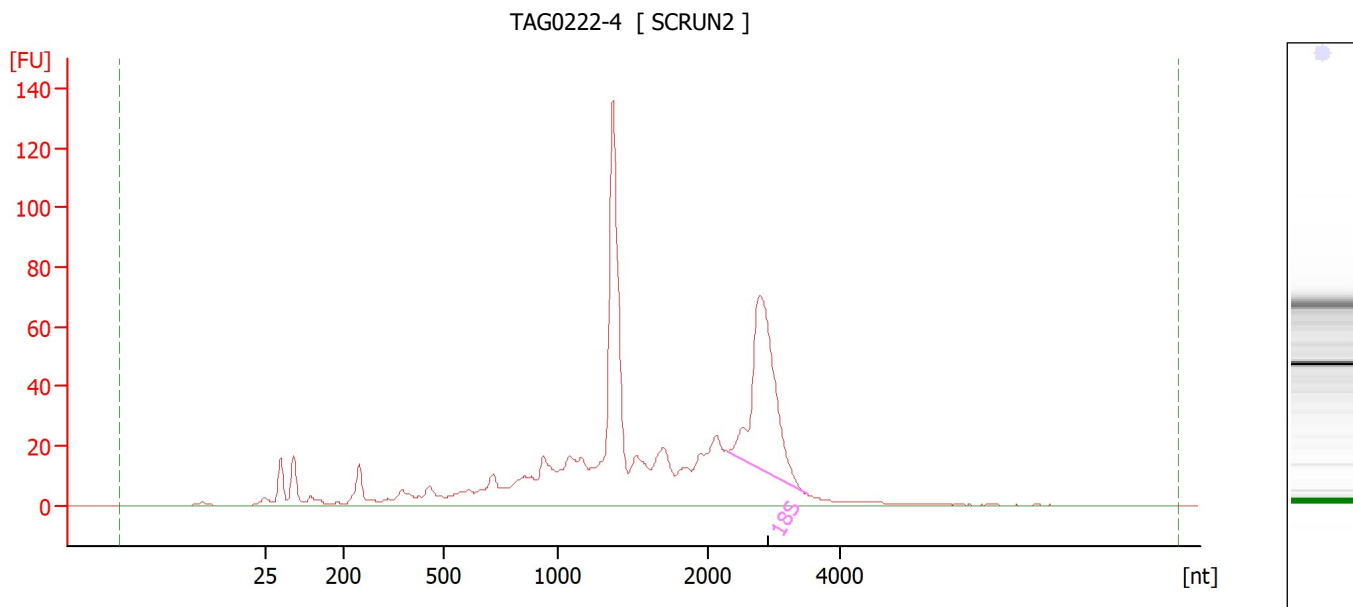
**Fragment table for sample 3 : TAG0222-3**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,230	3,351	225.5	18.5

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : TAG0222-4**

RNA Area:	843.9	RNA Integrity Number (RIN):	6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	102 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:6

**Fragment table for sample 4 : TAG0222-4**

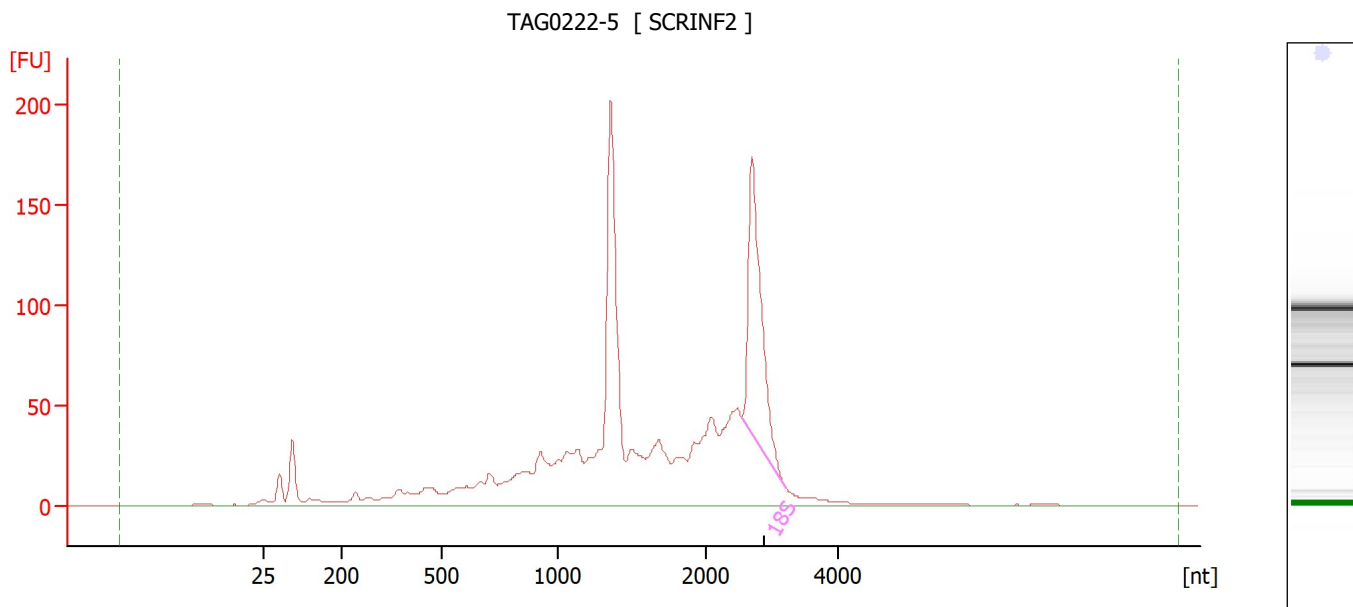
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,304	3,499	145.2	17.2



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : TAG0222-5**

RNA Area:	1,430.2	RNA Integrity Number (RIN):	5.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	173 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.10

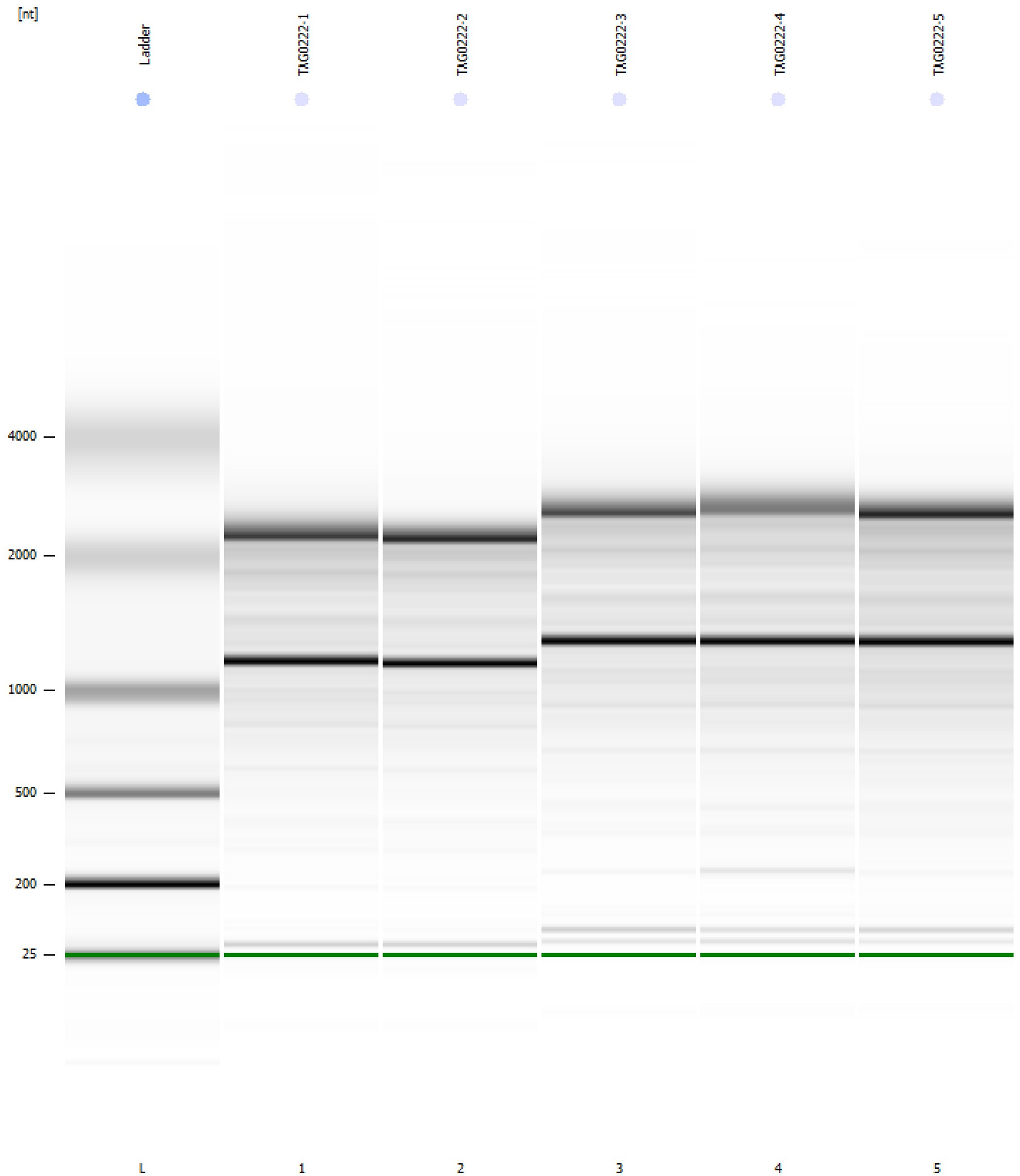
**Fragment table for sample 5 : TAG0222-5**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,560	3,223	193.6	13.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
Modified: 8/2/2023 1:34:05 PM

**Gel Image**

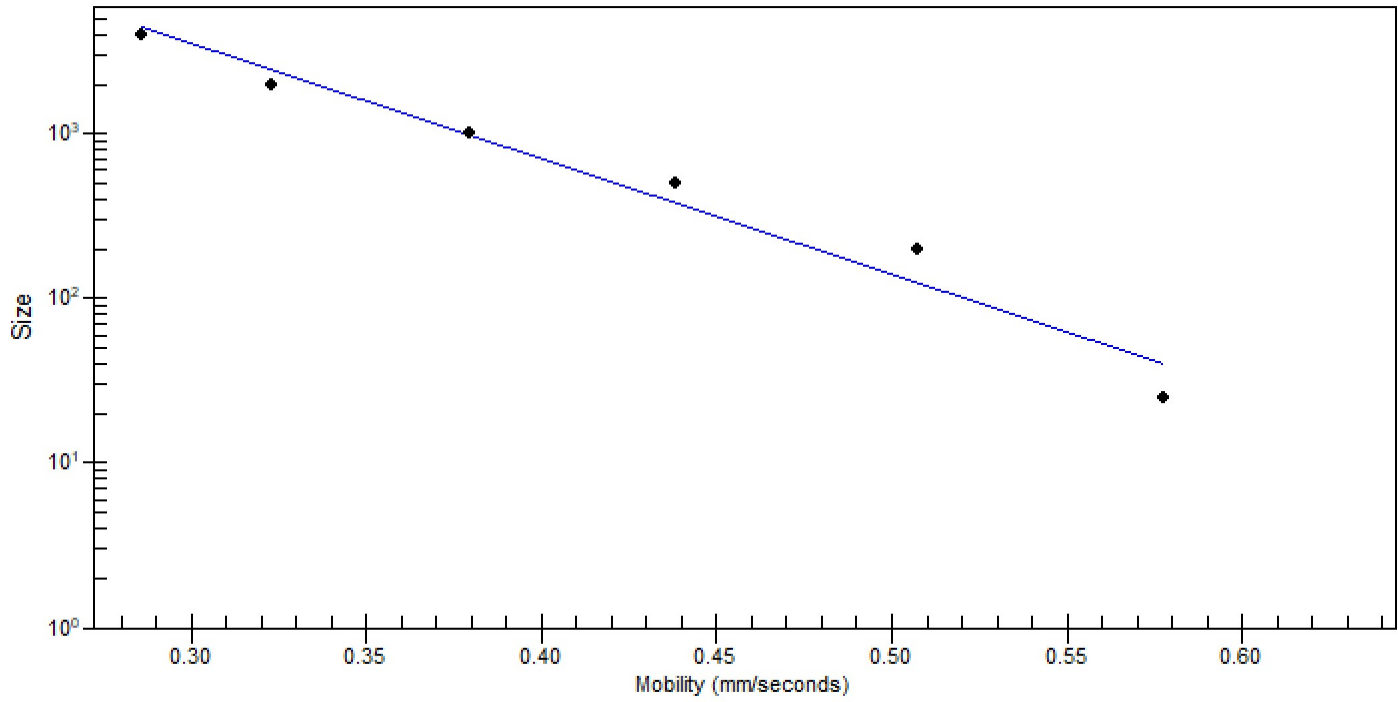


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
Modified: 8/2/2023 1:34:05 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-08-02\TA0222\_1-5.xad

Created: 8/2/2023 11:50:22 AM  
 Modified: 8/2/2023 1:34:05 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		8/2/2023 12:14:15 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\2023-08-02\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-08-02_001.xad)		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/2/2023 11:50:29 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB