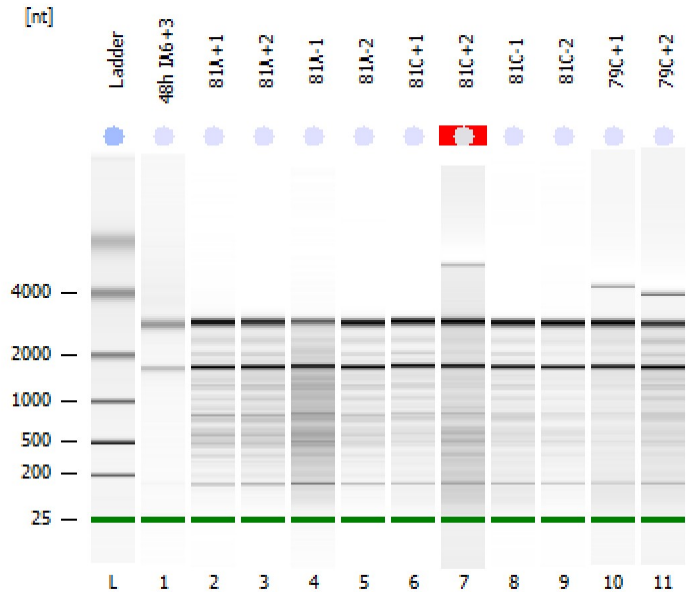


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electrophoresis File Run Summary



Instrument Information:

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

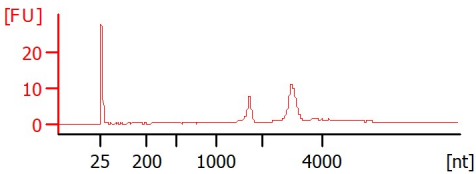
Assay Information:

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)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

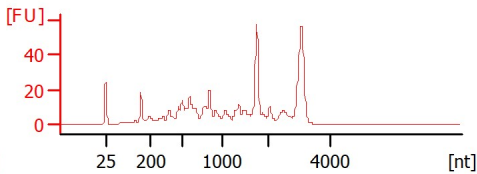
Chip Information:

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

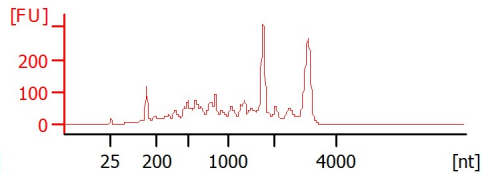
48h IA6+3
 NovaSeq144 (DNase Treated)
 RIN: 9.10



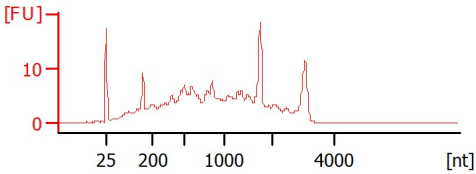
81A+1
 RIN: 6.50



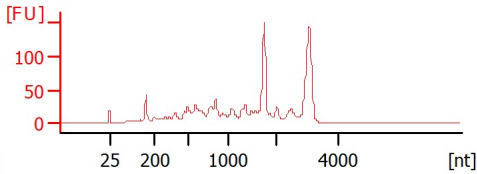
81A+2
 RIN: 6.20



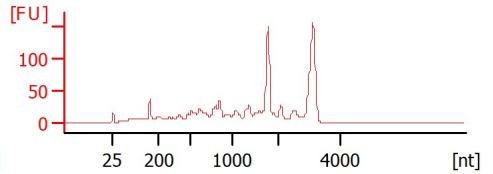
81A-1
 RIN: 5.70



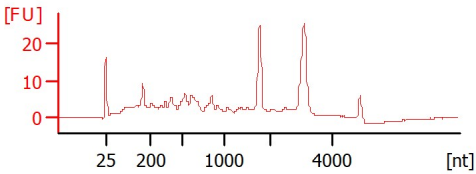
81A-2
 RIN: 6.50



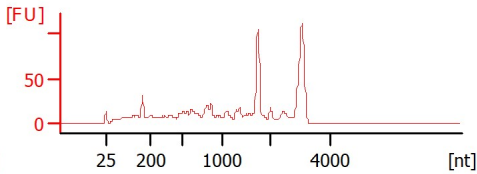
81C+1
 RIN: 6.70



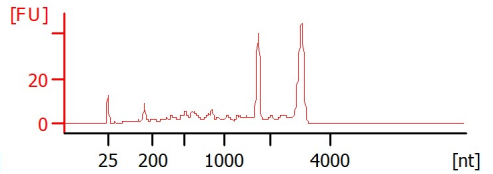
81C+2
 RIN N/A



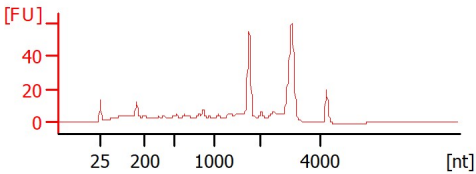
81C-1
 RIN: 6.70



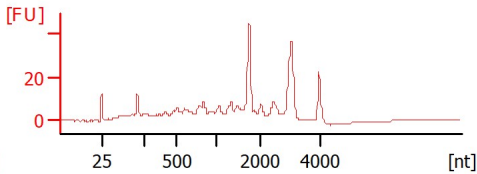
81C-2
 RIN: 7.20



79C+1
 RIN: 7.50



79C+2
 RIN: 6.50



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
48h IA6+3	NovaSeq144 (DNase Treated)	✓	RIN: 9.10	
81A+1		✓	RIN: 6.50	
81A+2		✓	RIN: 6.20	
81A-1		✓	RIN: 5.70	
81A-2		✓	RIN: 6.50	
81C+1		✓	RIN: 6.70	
81C+2		✓	RIN N/A	
81C-1		✓	RIN: 6.70	
81C-2		✓	RIN: 7.20	
79C+1		✓	RIN: 7.50	
79C+2		✓	RIN: 6.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 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

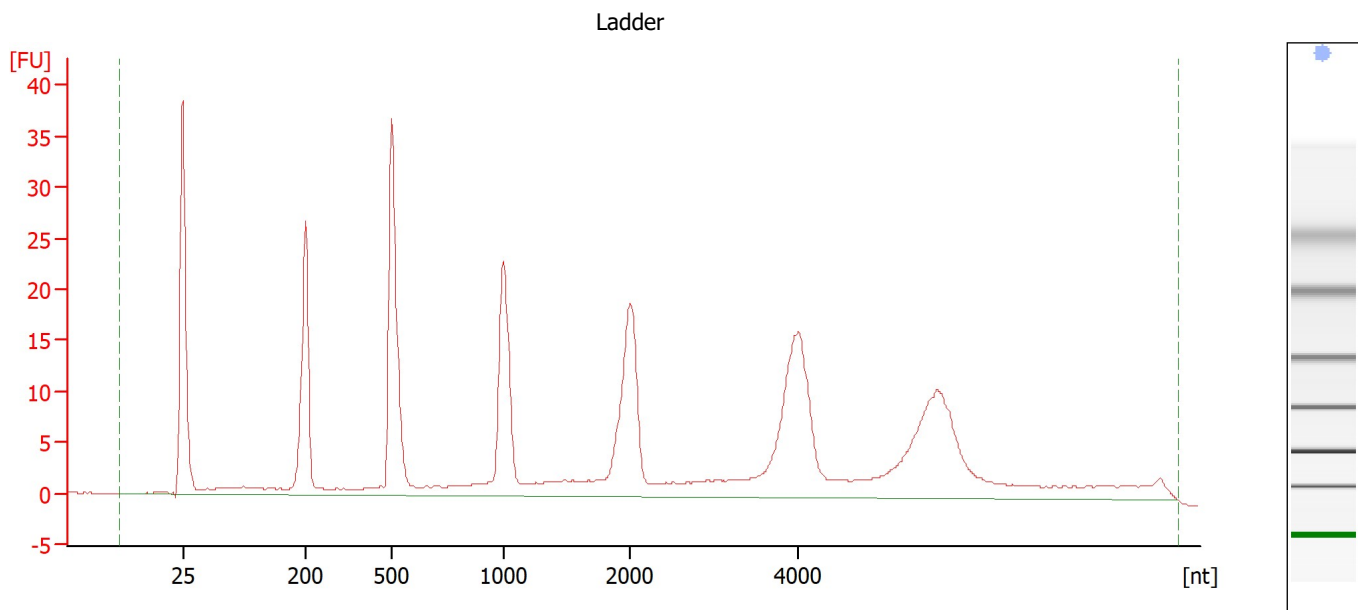
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary



Overall Results for Ladder

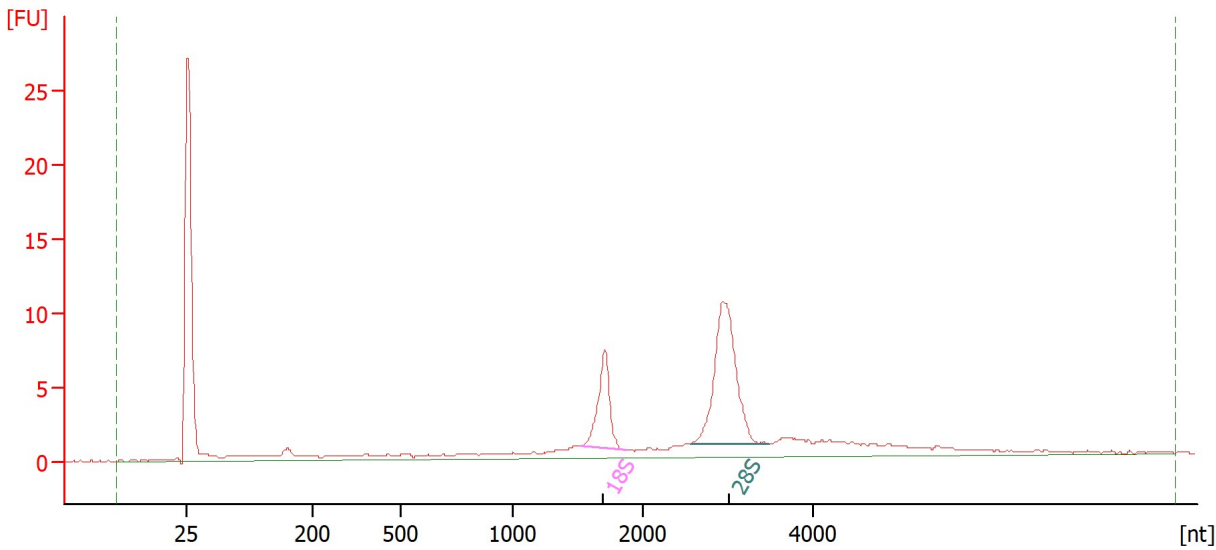
RNA Area:	331.6	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...

48h IA6+3 [NovaSeq144 (DNase Treated)]



Overall Results for sample 1 : 48h IA6+3

RNA Area:	79.7	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	240 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 9.10

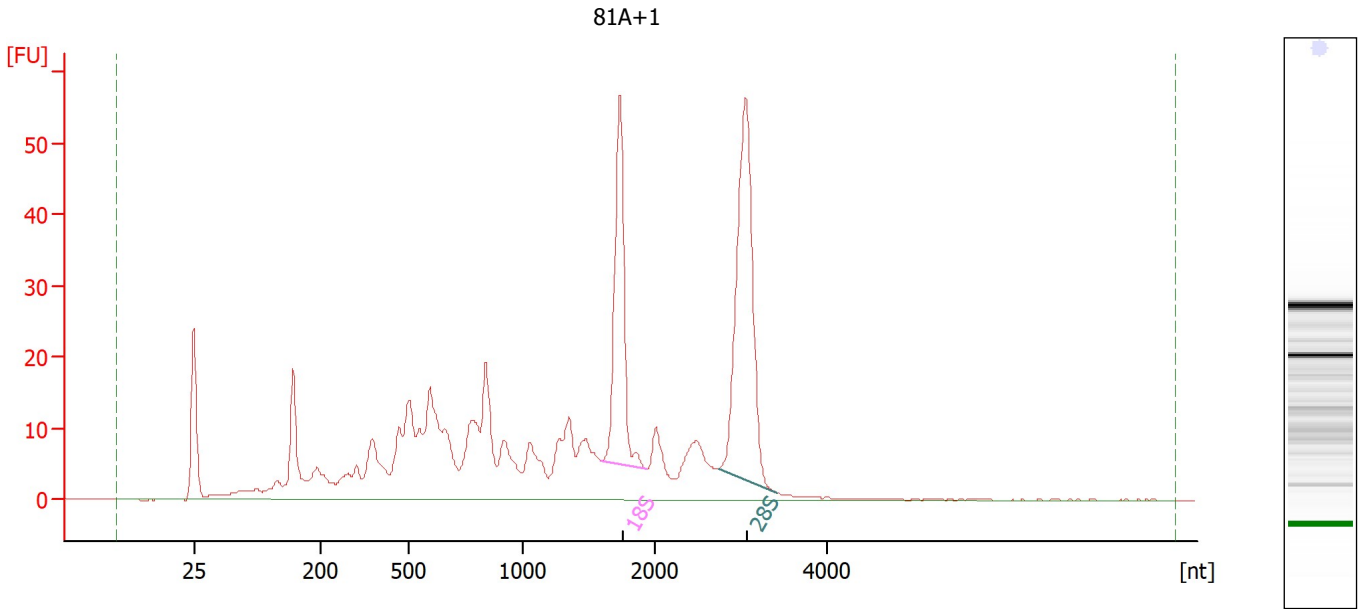
Fragment table for sample 1 : 48h IA6+3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	1,879	9.9	12.4
28S	2,570	3,485	23.7	29.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 81A+1

RNA Area:	555.7	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	1,676 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 6.50

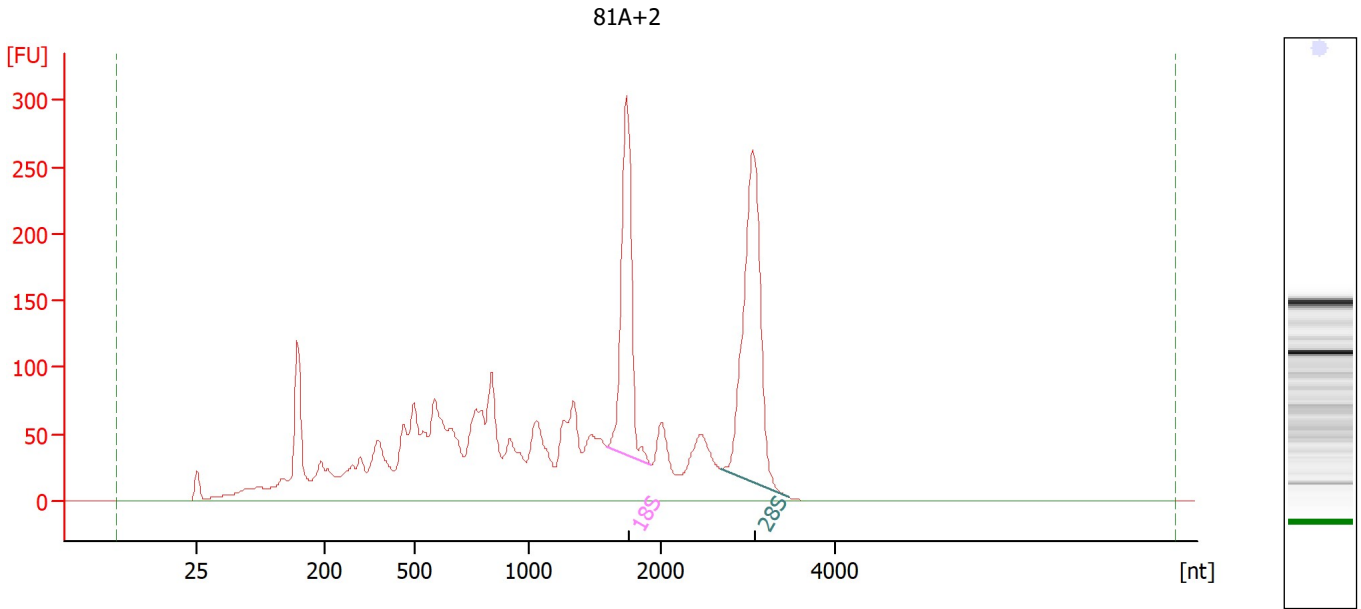
Fragment table for sample 2 : 81A+1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,590	1,941	61.8	11.1
28S	2,741	3,422	94.2	16.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 81A+2

RNA Area:	3,246.3	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	9,791 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 6.20

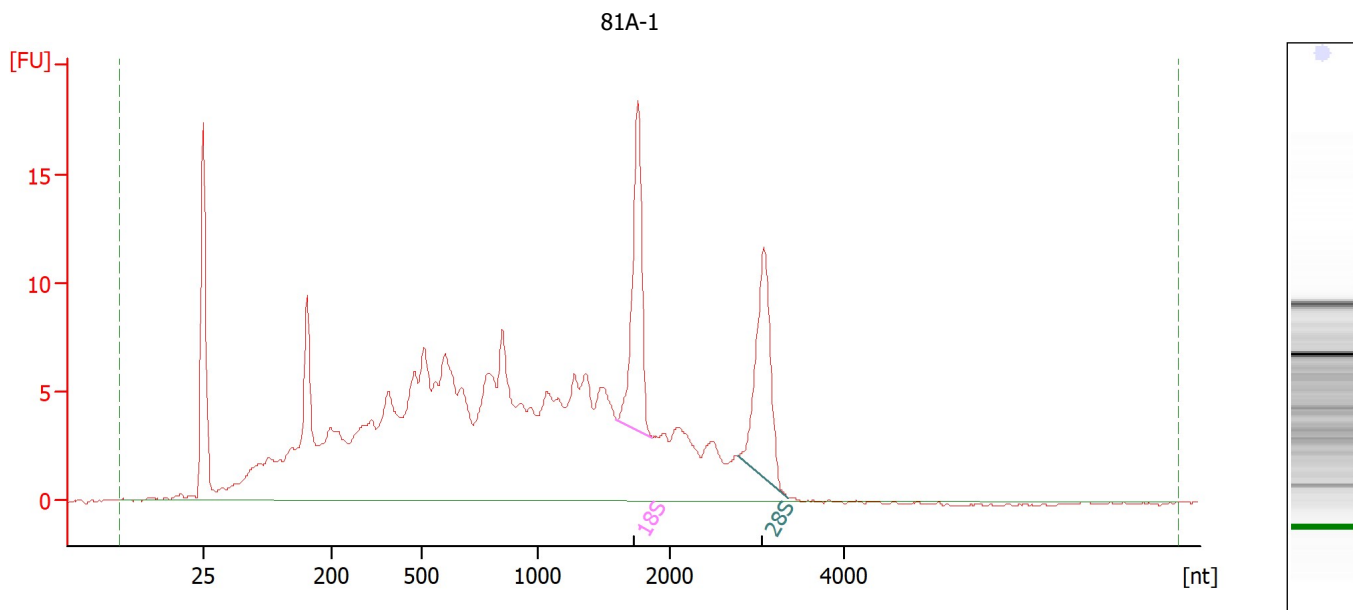
Fragment table for sample 3 : 81A+2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,594	1,927	334.1	10.3
28S	2,701	3,476	460.3	14.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 81A-1

RNA Area:	288.3	RNA Integrity Number (RIN):	5.7 (B.02.10)
RNA Concentration:	869 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 5.70

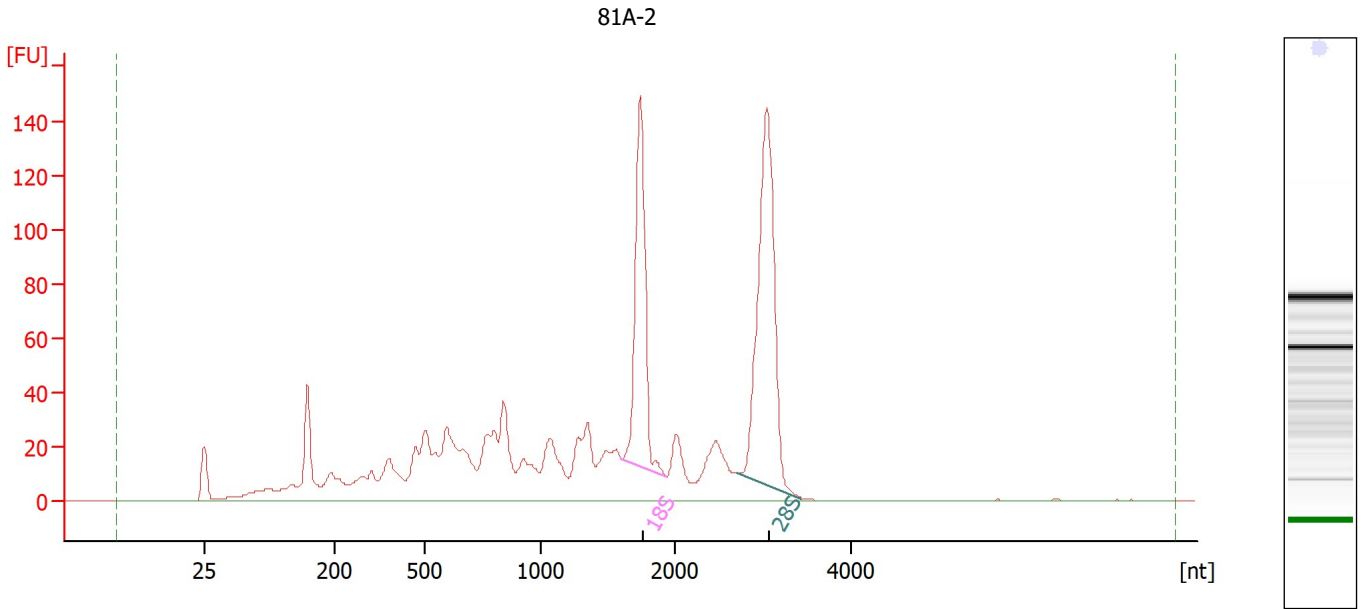
Fragment table for sample 4 : 81A-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	1,865	17.8	6.2
28S	2,773	3,347	16.8	5.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 81A-2

RNA Area:	1,295.3	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	3,907 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 6.50

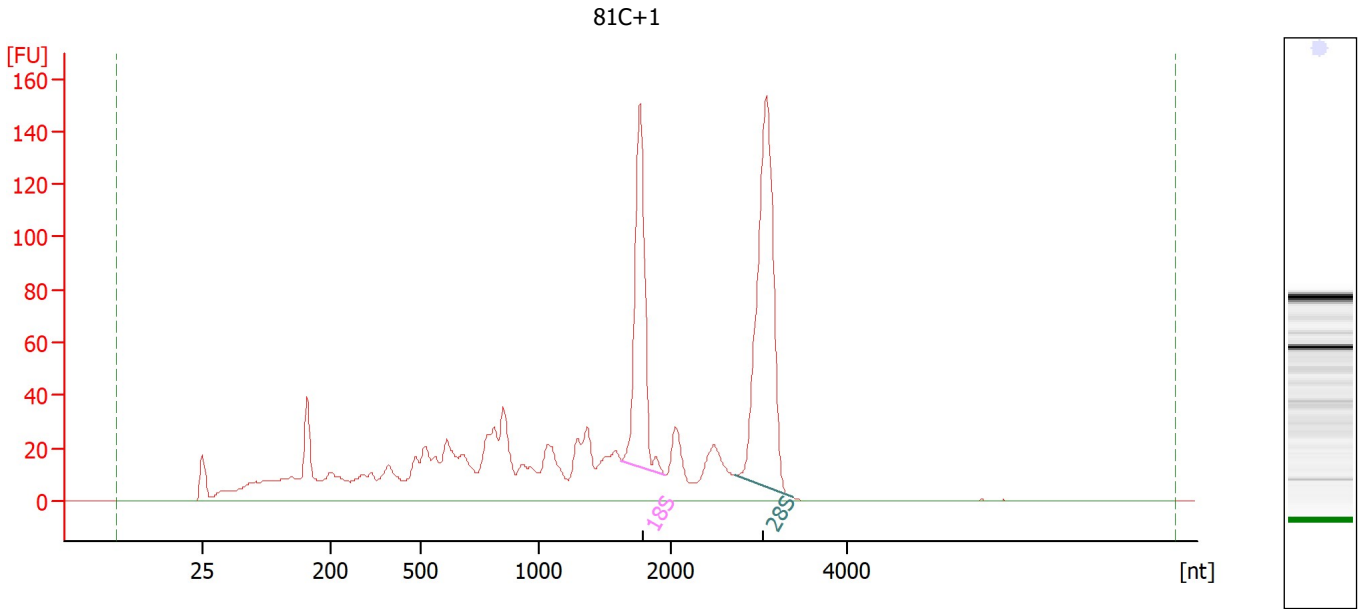
Fragment table for sample 5 : 81A-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,596	1,932	165.5	12.8
28S	2,697	3,436	243.0	18.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 81C+1

RNA Area:	1,327.7	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	4,004 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 6.70

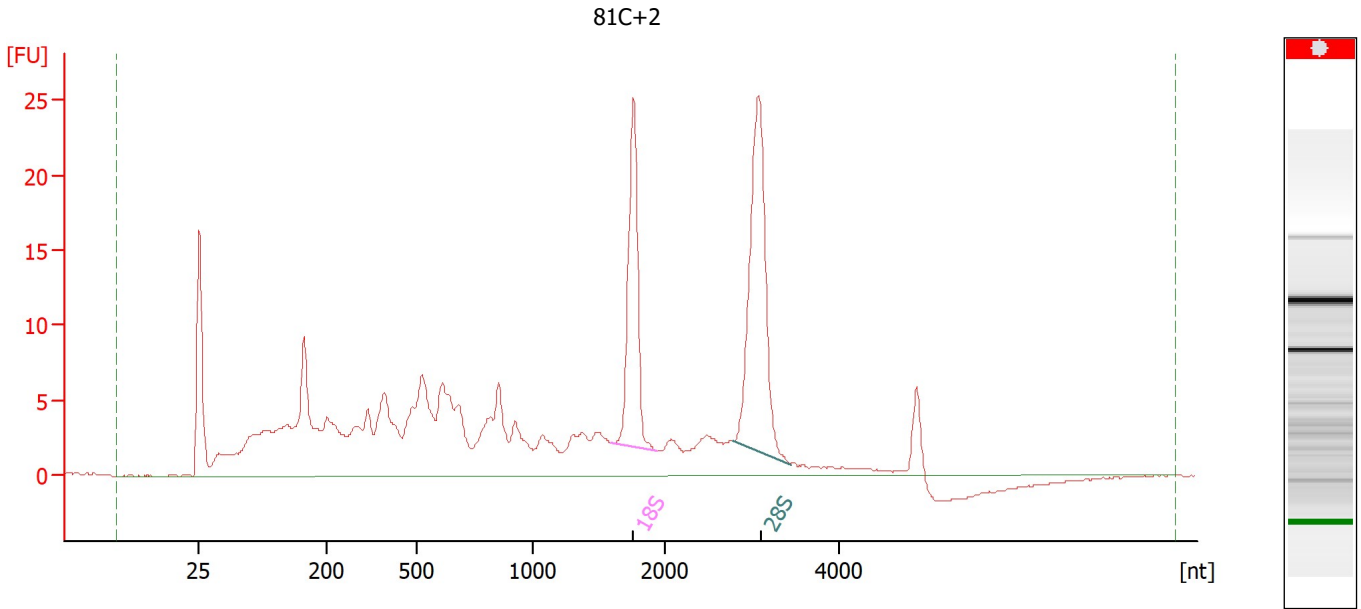
Fragment table for sample 6 : 81C+1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	1,955	167.3	12.6
28S	2,735	3,392	256.4	19.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 81C+2

RNA Area:	295.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	890 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN N/A

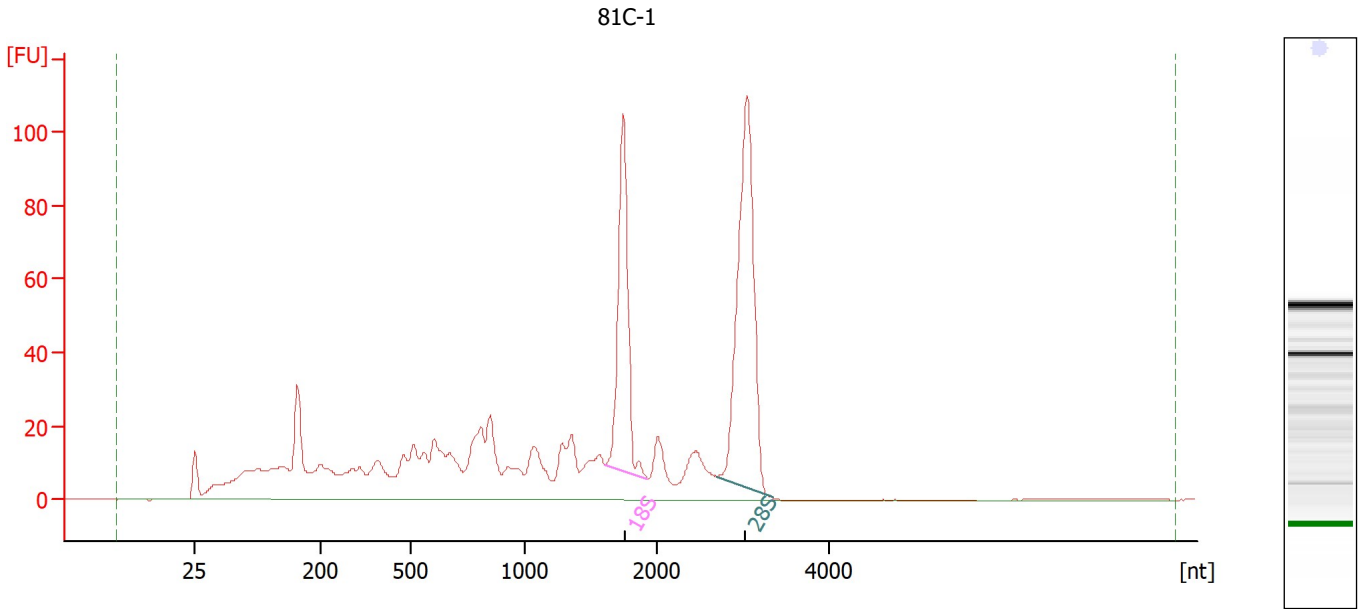
Fragment table for sample 7 : 81C+2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,937	27.3	9.3
28S	2,774	3,435	40.9	13.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 81C-1

RNA Area:	984.0	RNA Integrity Number (RIN):	6.7 (B.02.10)
RNA Concentration:	2,968 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 6.70

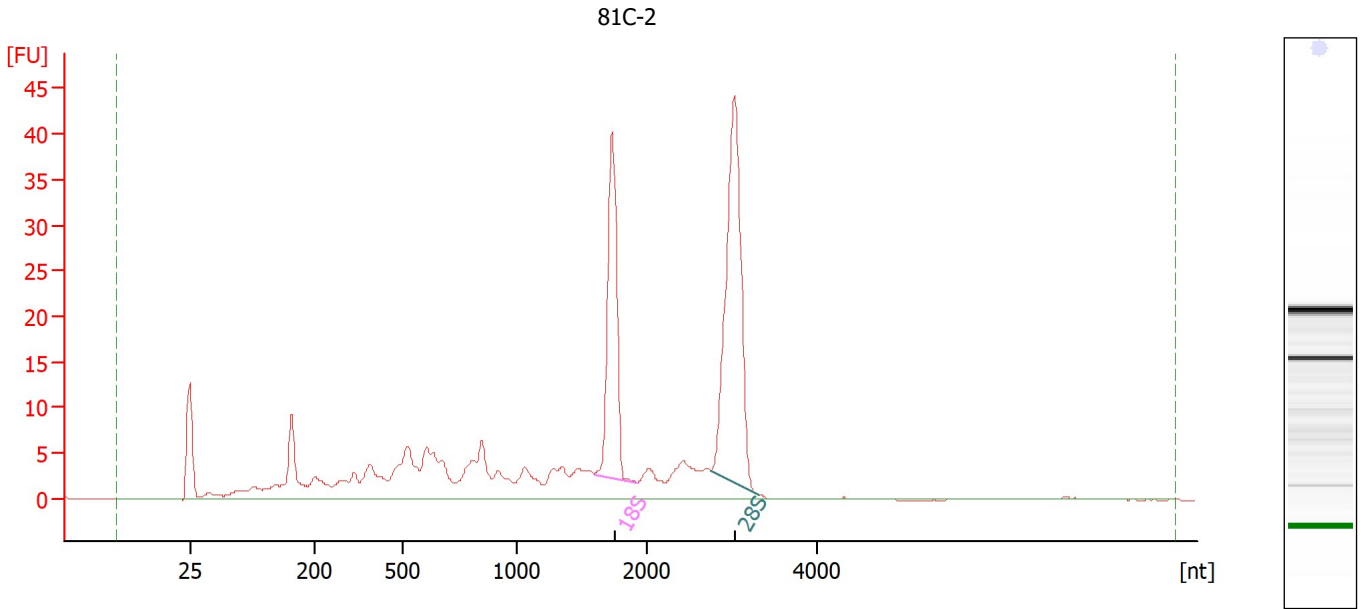
Fragment table for sample 8 : 81C-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,608	1,926	117.1	11.9
28S	2,703	3,333	186.5	19.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 81C-2

RNA Area:	296.9	RNA Integrity Number (RIN):	7.2 (B.02.10)
RNA Concentration:	895 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.20

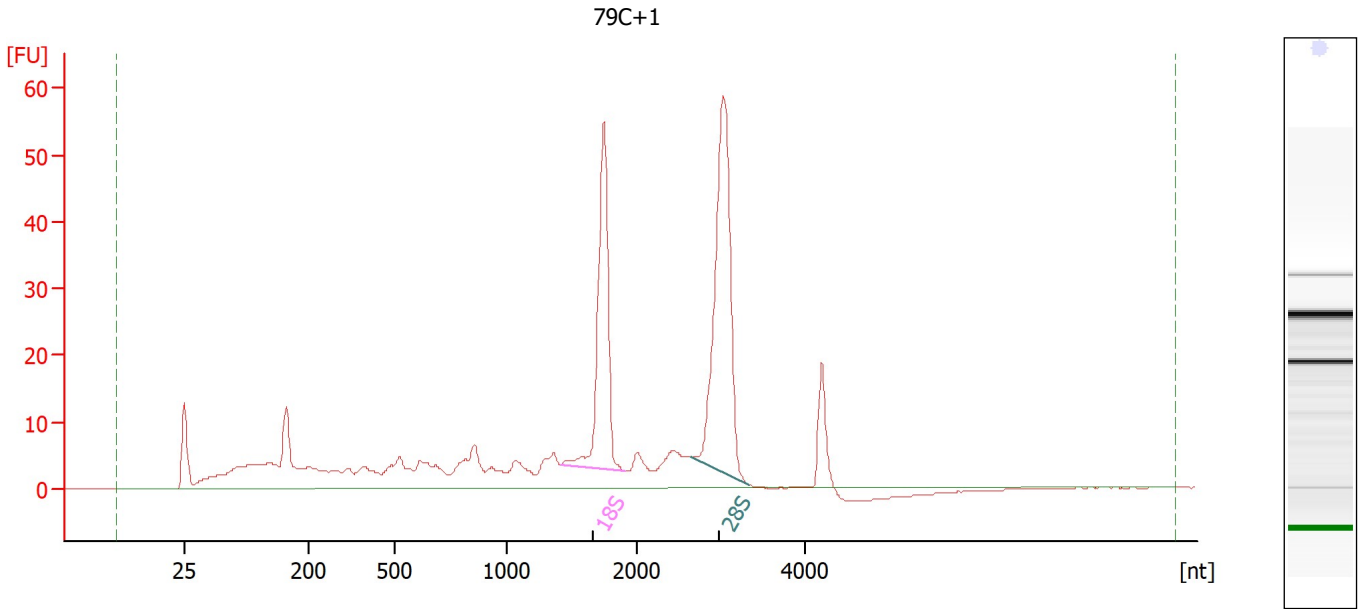
Fragment table for sample 9 : 81C-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,930	42.8	14.4
28S	2,744	3,318	71.2	24.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 79C+1

RNA Area:	416.8	RNA Integrity Number (RIN):	7.5 (B.02.10)
RNA Concentration:	1,257 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 7.50

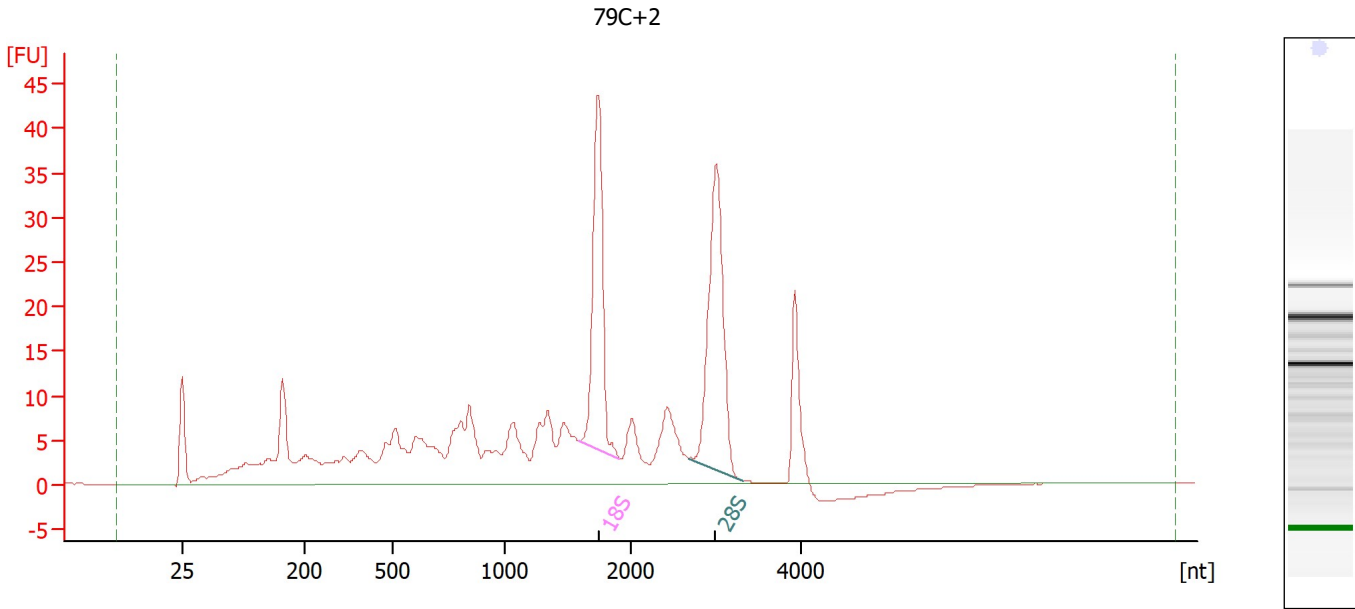
Fragment table for sample 10 : 79C+1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,410	1,918	67.9	16.3
28S	2,647	3,341	97.3	23.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
 Modified: 2/18/2020 4:16:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 79C+2

RNA Area:	390.6	RNA Integrity Number (RIN):	6.5 (B.02.10)
RNA Concentration:	1,178 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 6.50

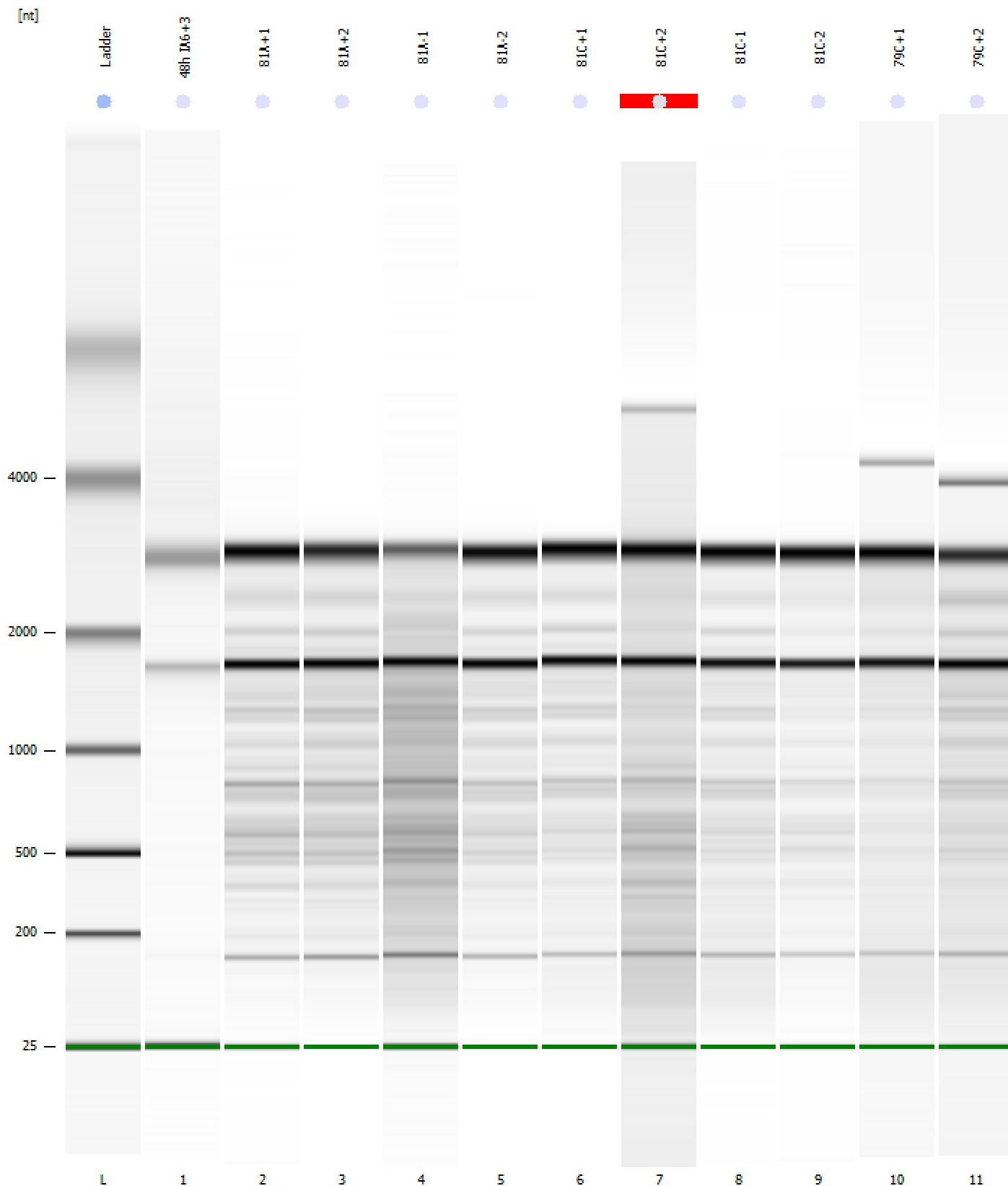
Fragment table for sample 11 : 79C+2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,900	48.6	12.4
28S	2,673	3,320	56.8	14.5

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad

Created: 2/18/2020 3:54:10 PM
Modified: 2/18/2020 4:16:19 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico Created: 2/18/2020 3:54:10 PM
 Data Path: Z:\...18\Bioanalyzer1_Eukaryote Total RNA Pico_2020-02-18_002.xad Modified: 2/18/2020 4:16:19 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		2/18/2020 4:16:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-02-18\Bioanalyze r1_Eukaryote Total RNA Pico_2020-02-18_002.xad)		Instrument	Run		2/18/2020 3:54:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		2/18/2020 3:54:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		2/18/2020 3:54:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		2/18/2020 3:54:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		2/18/2020 3:54:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		2/18/2020 3:54:16 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		2/18/2020 3:54:15 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB