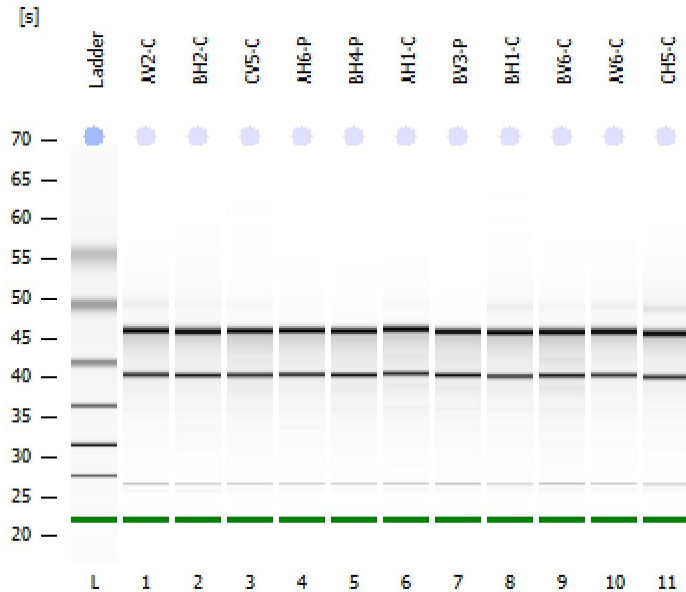


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electrophoresis File Run Summary



Instrument Information:

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

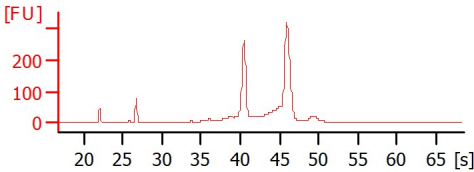
Assay Information:

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.

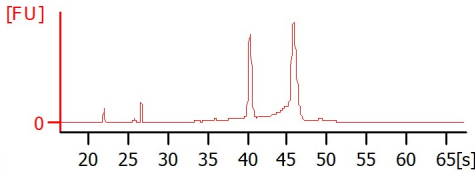
Chip Information:

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

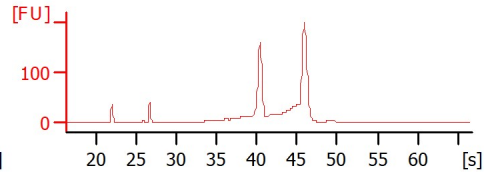
AV2-C
 RIN: 8.90



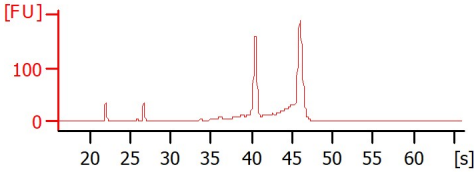
BH2-C
 RIN: 8.90



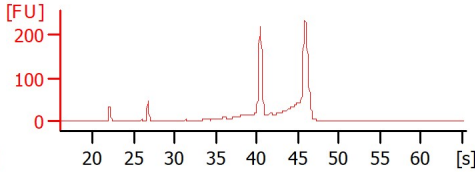
CV5-C
 RIN: 8.70



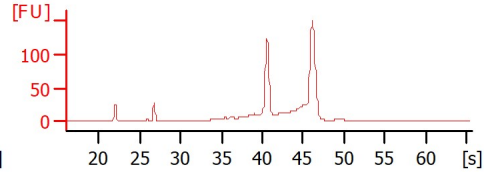
AH6-P
 RIN: 8.80



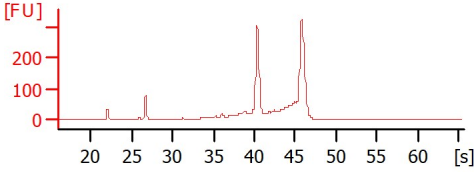
BH4-P
 RIN: 8.60



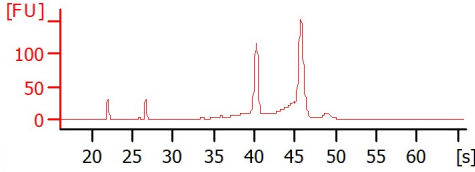
AH1-C
 RIN: 9



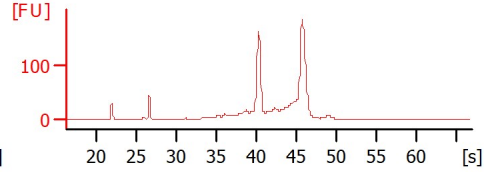
BV3-P
 RIN: 8.50



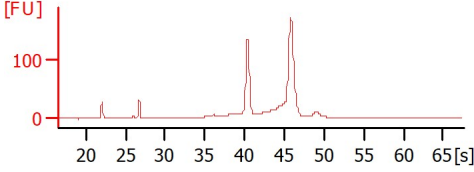
BH1-C
 RIN: 9.30



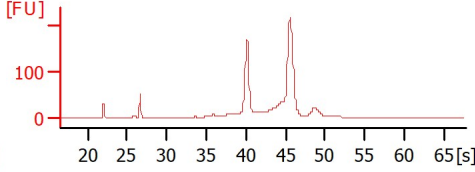
BV6-C
 RIN: 8.90



AV6-C
 RIN: 9.50



CH5-C
 RIN: 9.40



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AV2-C		✓	RIN: 8.90	
BH2-C		✓	RIN: 8.90	
CV5-C		✓	RIN: 8.70	
AH6-P		✓	RIN: 8.80	
BH4-P		✓	RIN: 8.60	
AH1-C		✓	RIN:9	
BV3-P		✓	RIN: 8.50	
BH1-C		✓	RIN: 9.30	
BV6-C		✓	RIN: 8.90	
AV6-C		✓	RIN: 9.50	
CH5-C		✓	RIN: 9.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 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

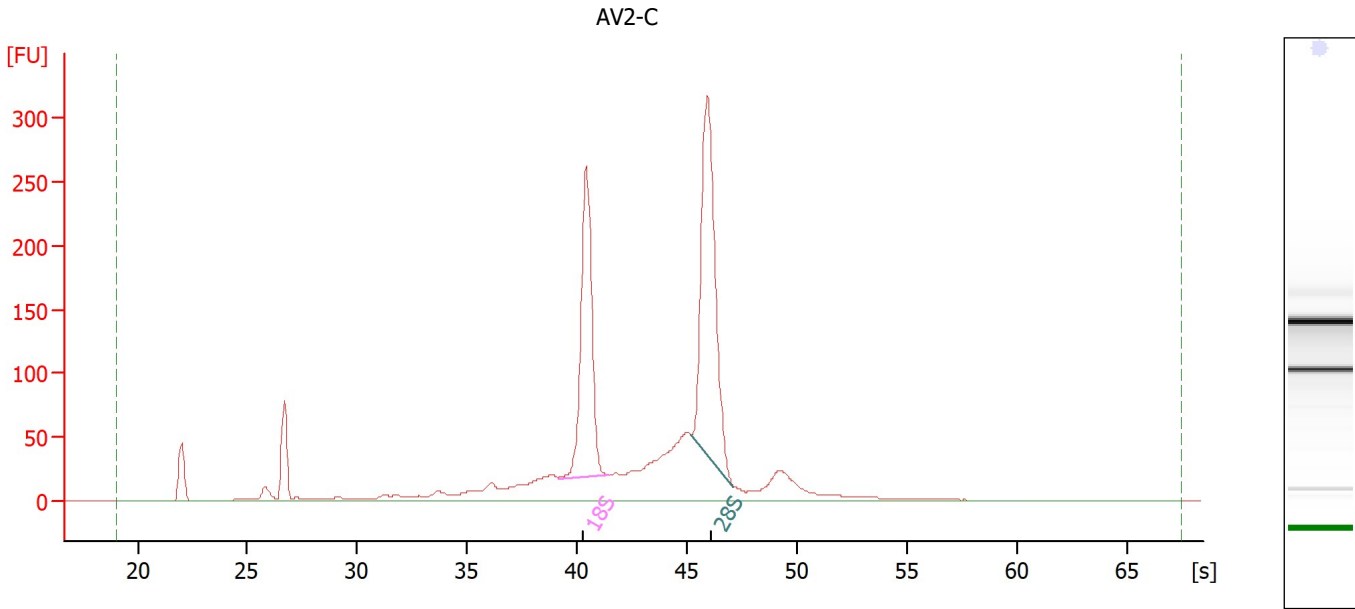
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary



Overall Results for sample 1 : AV2-C

RNA Area:	1,757.2	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	6,163 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.90

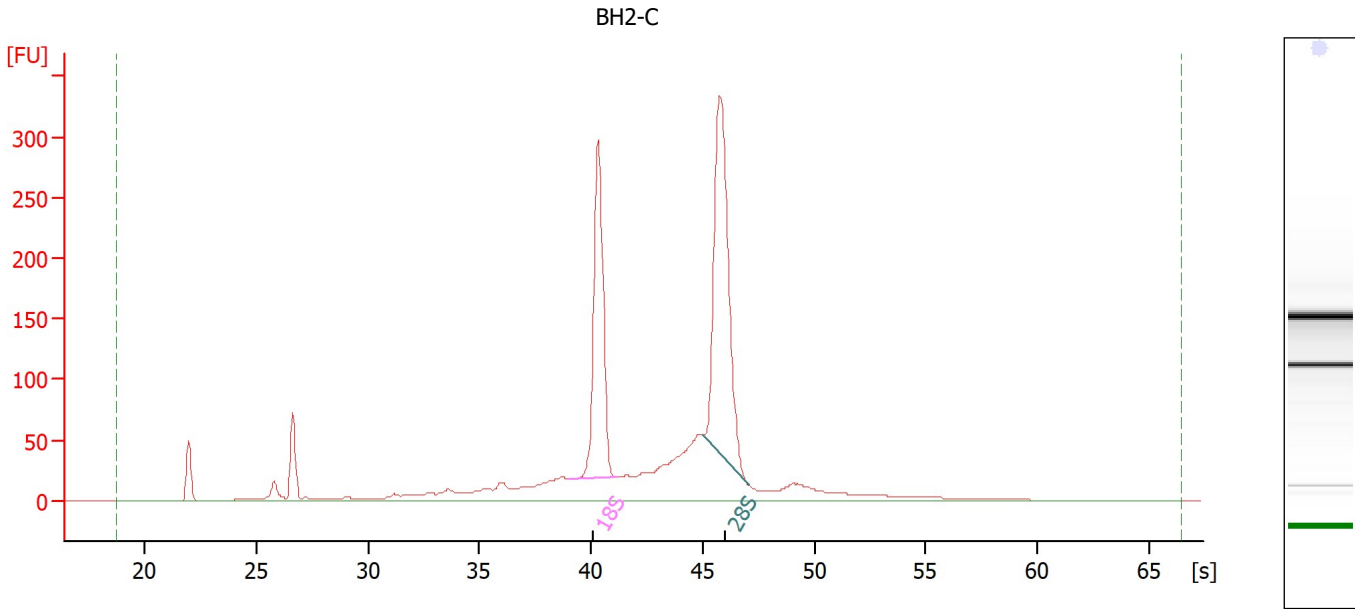
Fragment table for sample 1 : AV2-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.16	41.41	338.6	19.3
28S	45.17	47.13	444.6	25.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BH2-C

RNA Area:	1,824.5	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	6,399 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

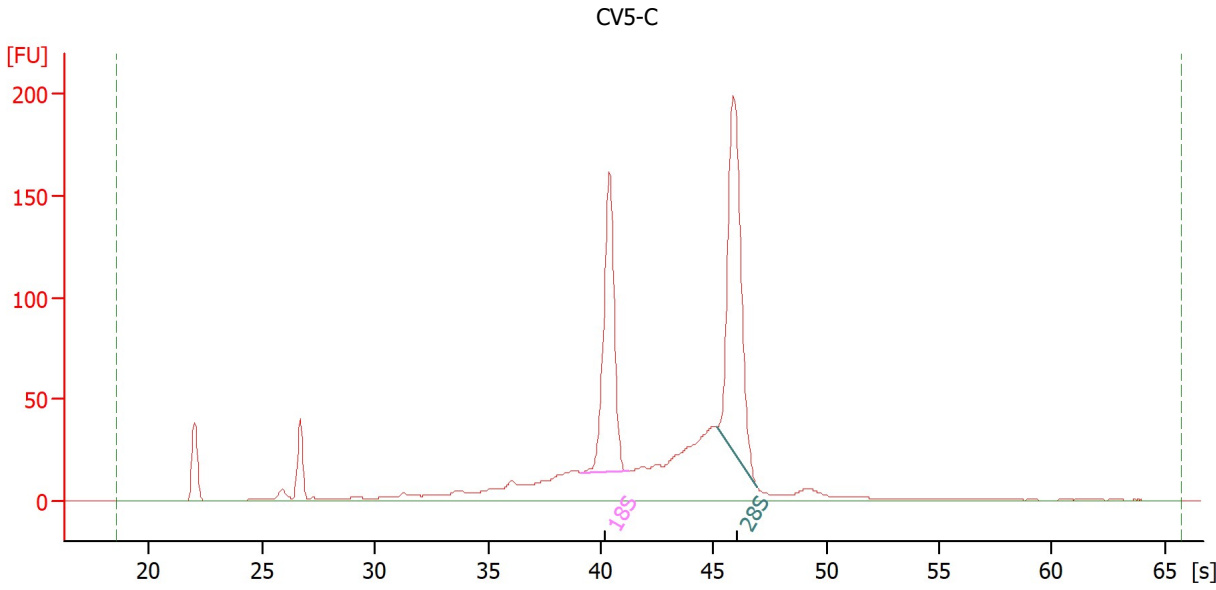
Fragment table for sample 2 : BH2-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.04	41.16	341.1	18.7
28S	45.06	47.08	479.4	26.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CV5-C

RNA Area:	1,067.7	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	3,745 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.70

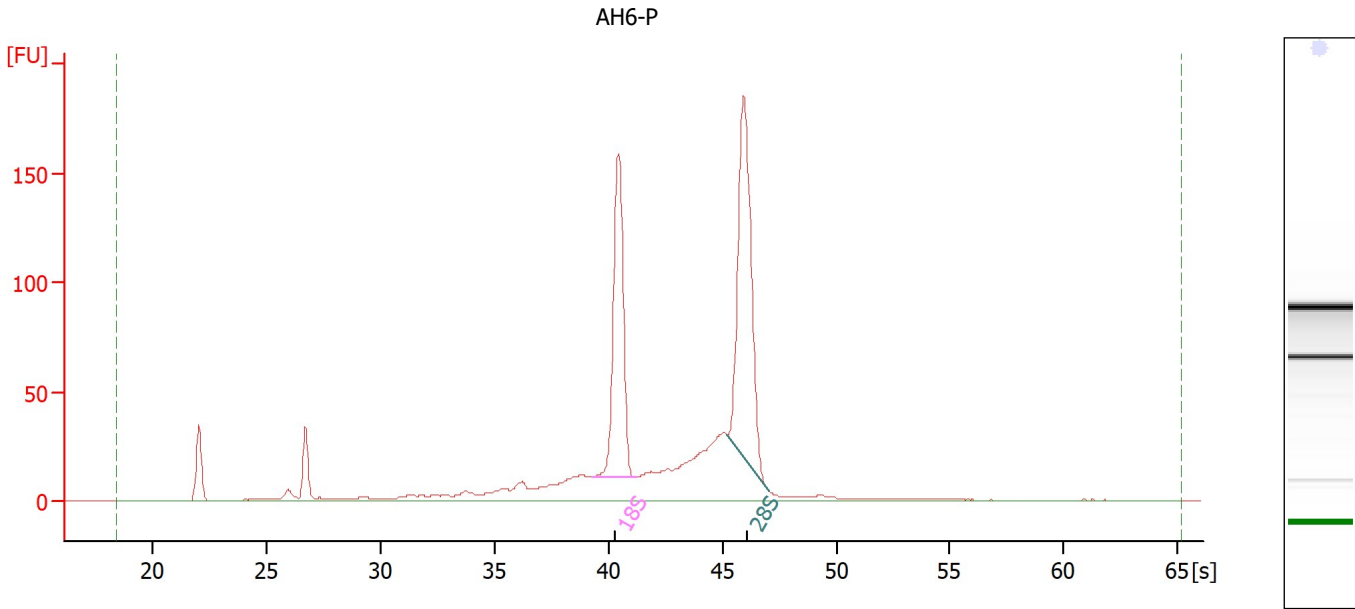
Fragment table for sample 3 : CV5-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.14	41.24	203.2	19.0
28S	45.19	46.95	254.6	23.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AH6-P

RNA Area:	922.9	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	3,237 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.80

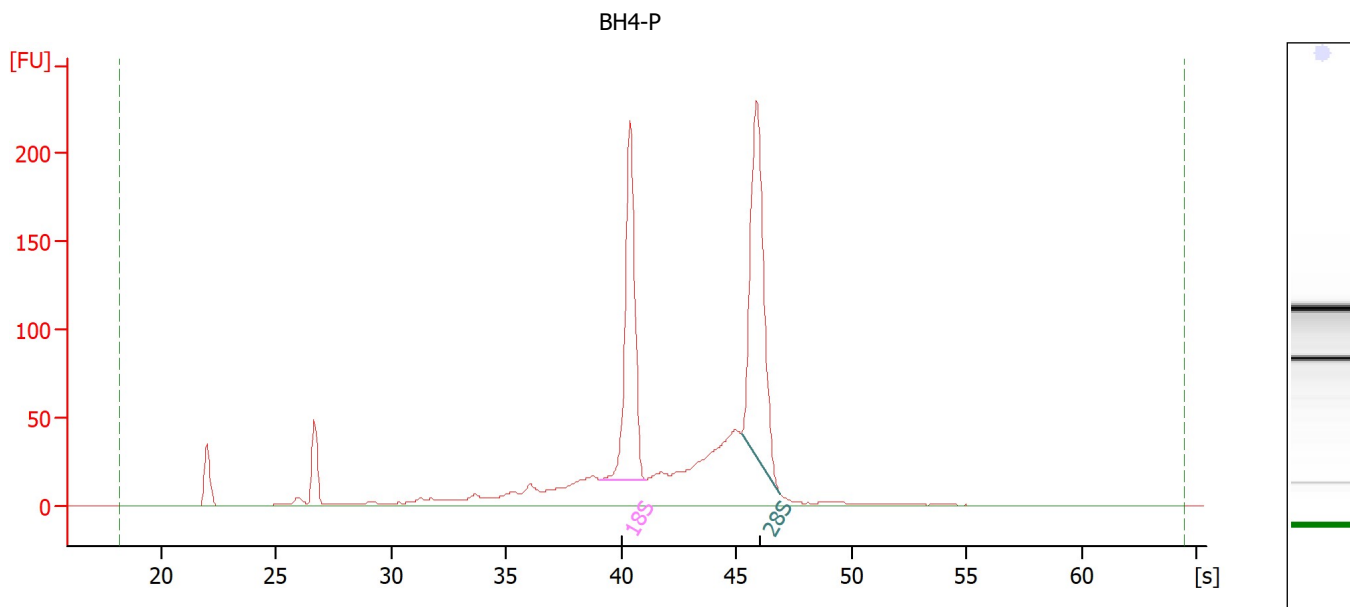
Fragment table for sample 4 : AH6-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.28	41.21	182.4	19.8
28S	45.23	47.02	241.1	26.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BH4-P

RNA Area:	1,207.3	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	4,235 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.60

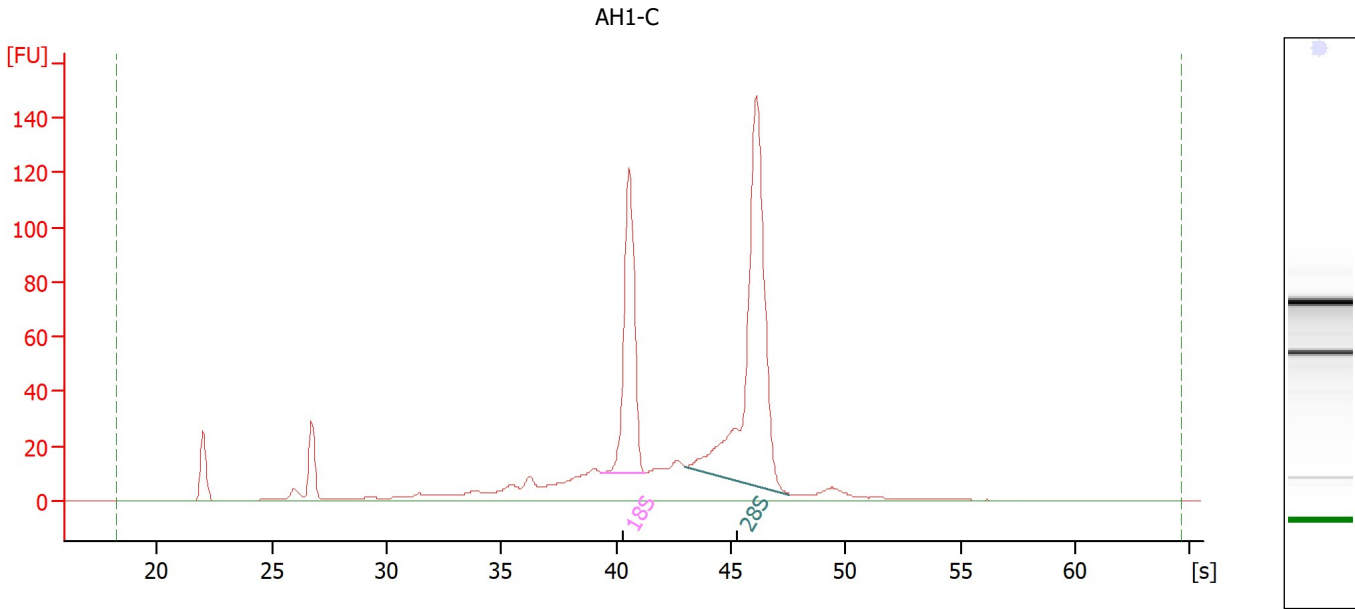
Fragment table for sample 5 : BH4-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.10	41.10	243.2	20.1
28S	45.21	46.90	293.8	24.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : AH1-C

RNA Area:	811.9	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	2,848 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN:9

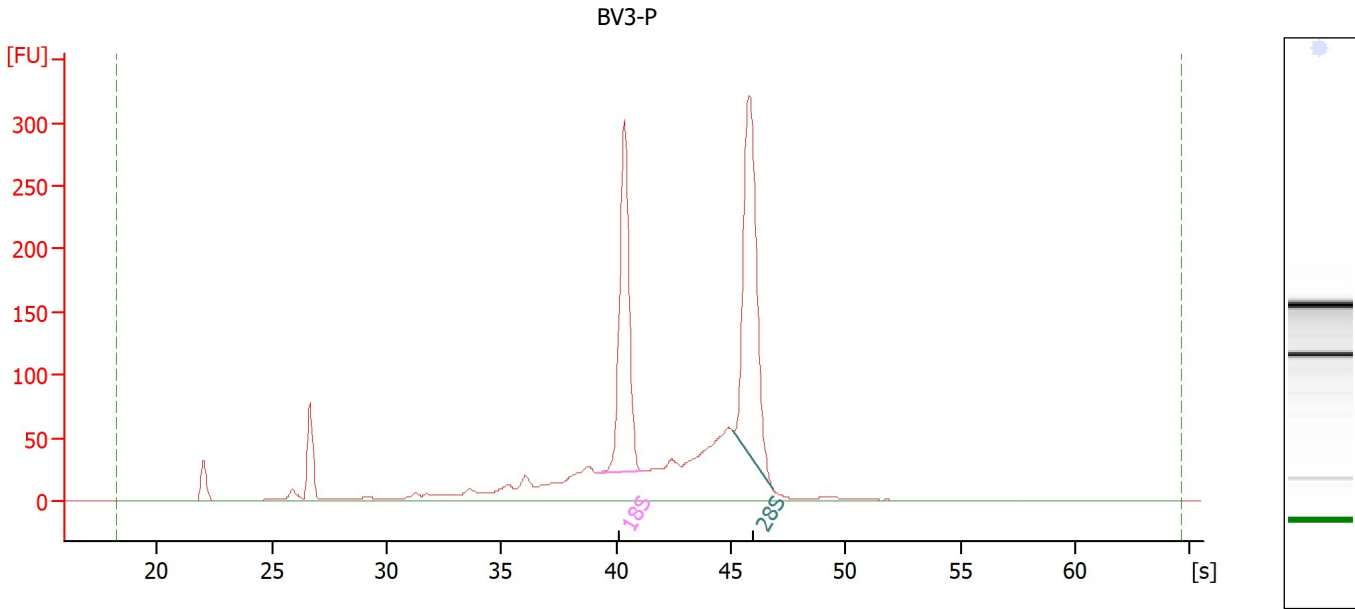
Fragment table for sample 6 : AH1-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.37	41.24	142.8	17.6
28S	43.02	47.56	285.3	35.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BV3-P

RNA Area:	1,726.6	RNA Integrity Number (RIN):	8.5 (B.02.10)
RNA Concentration:	6,056 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.50

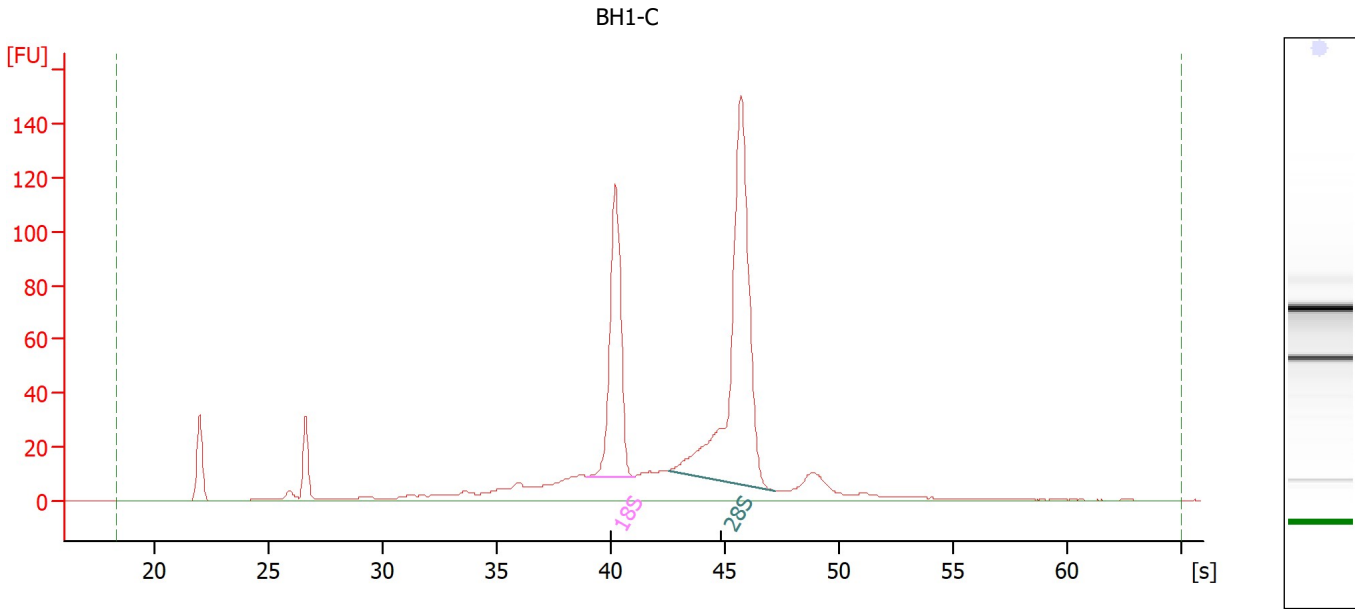
Fragment table for sample 7 : BV3-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.13	41.19	337.5	19.5
28S	45.12	46.81	411.5	23.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BH1-C

RNA Area:	799.2	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	2,803 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.30

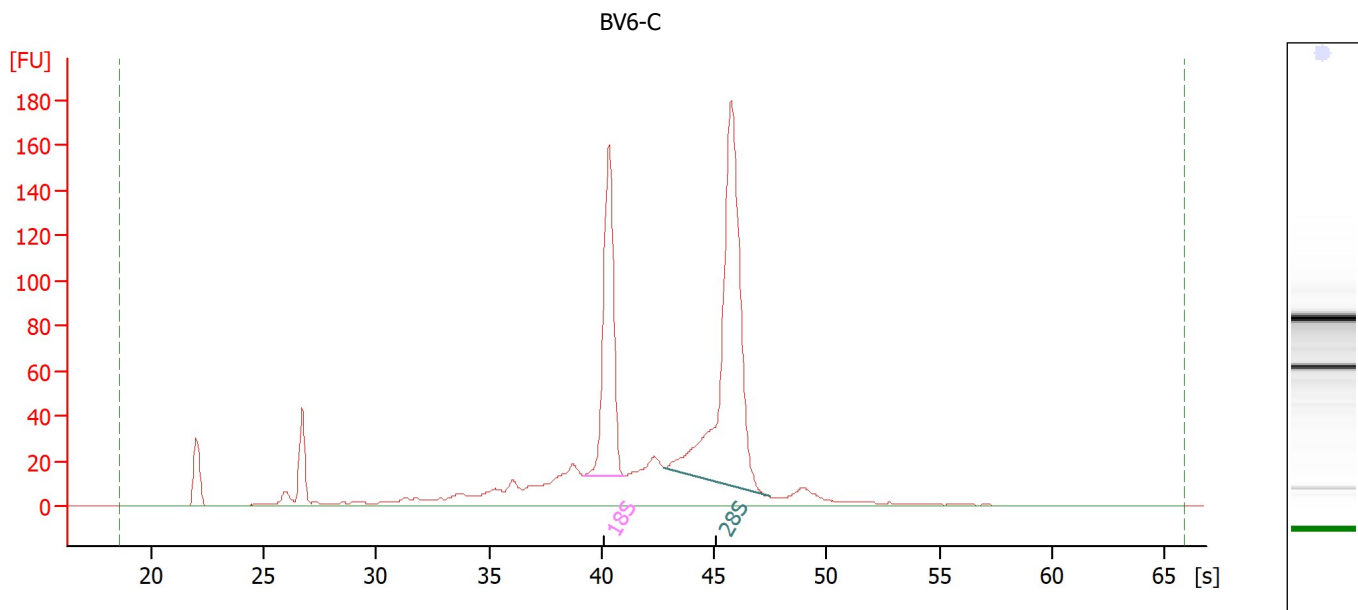
Fragment table for sample 8 : BH1-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.01	41.03	148.6	18.6
28S	42.59	47.25	292.1	36.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : BV6-C

RNA Area:	1,066.1	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	3,739 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.90

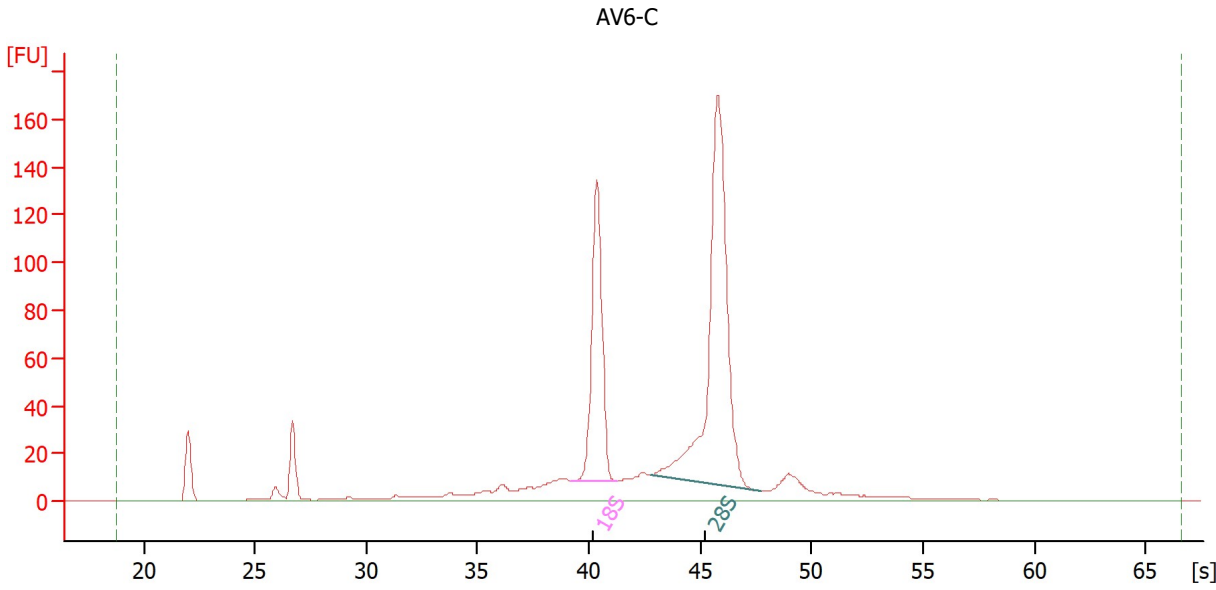
Fragment table for sample 9 : BV6-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.18	40.99	188.8	17.7
28S	42.81	47.44	362.2	34.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : AV6-C

RNA Area:	872.2	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	3,059 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.50

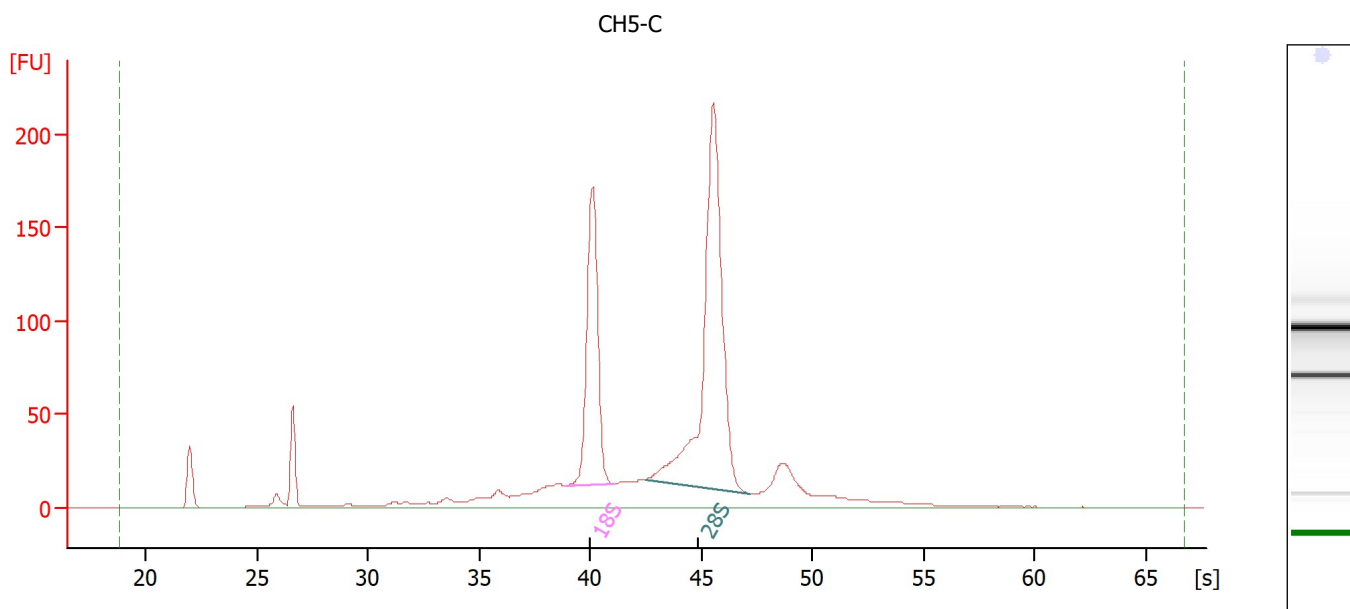
Fragment table for sample 10 : AV6-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.22	41.25	167.7	19.2
28S	42.79	47.71	335.5	38.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CH5-C

RNA Area:	1,229.9	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	4,314 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.40

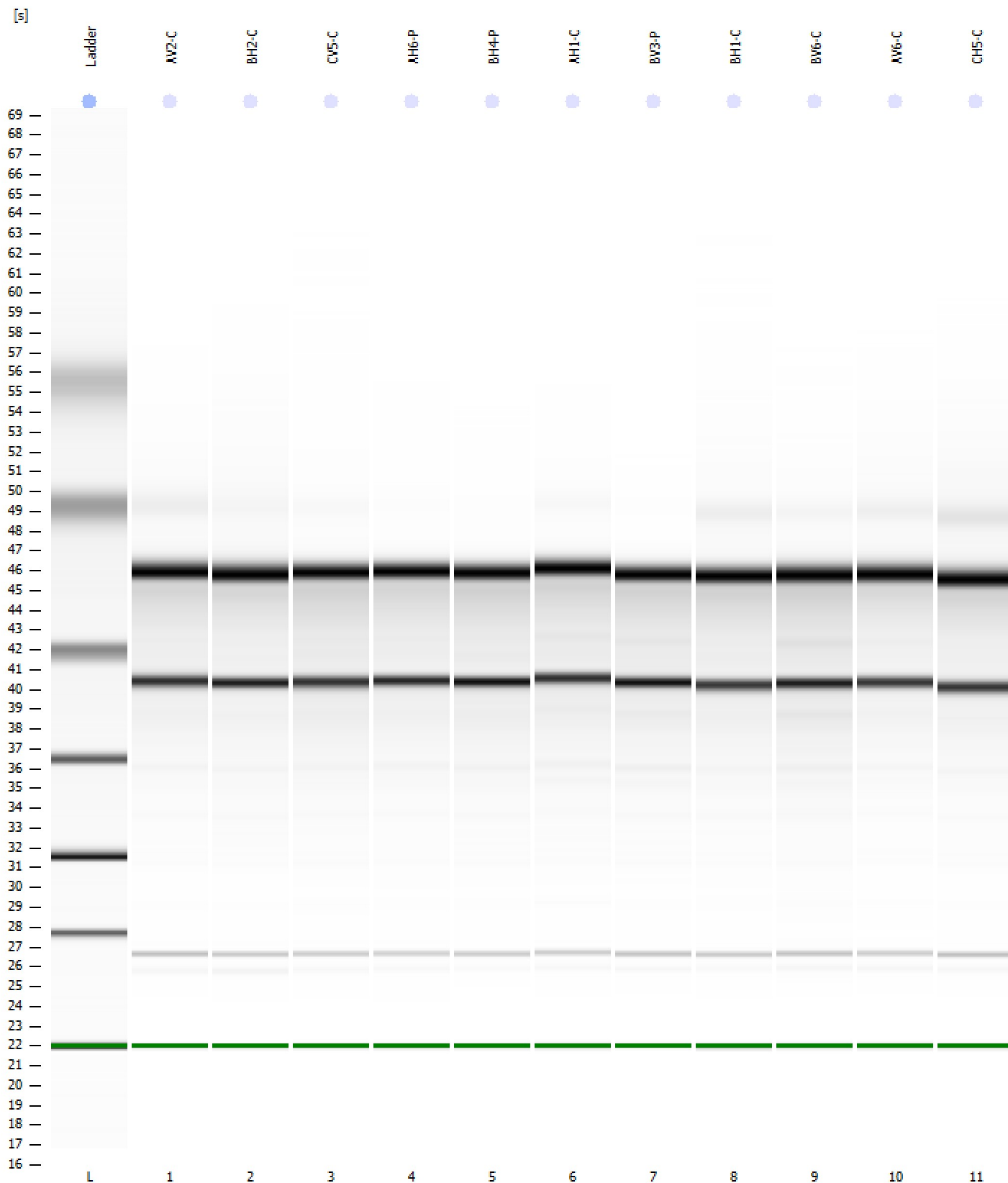
Fragment table for sample 11 : CH5-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.92	41.10	224.7	18.3
28S	42.50	47.24	438.3	35.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
Modified: 12/4/2019 12:20:02 PM

Gel Image

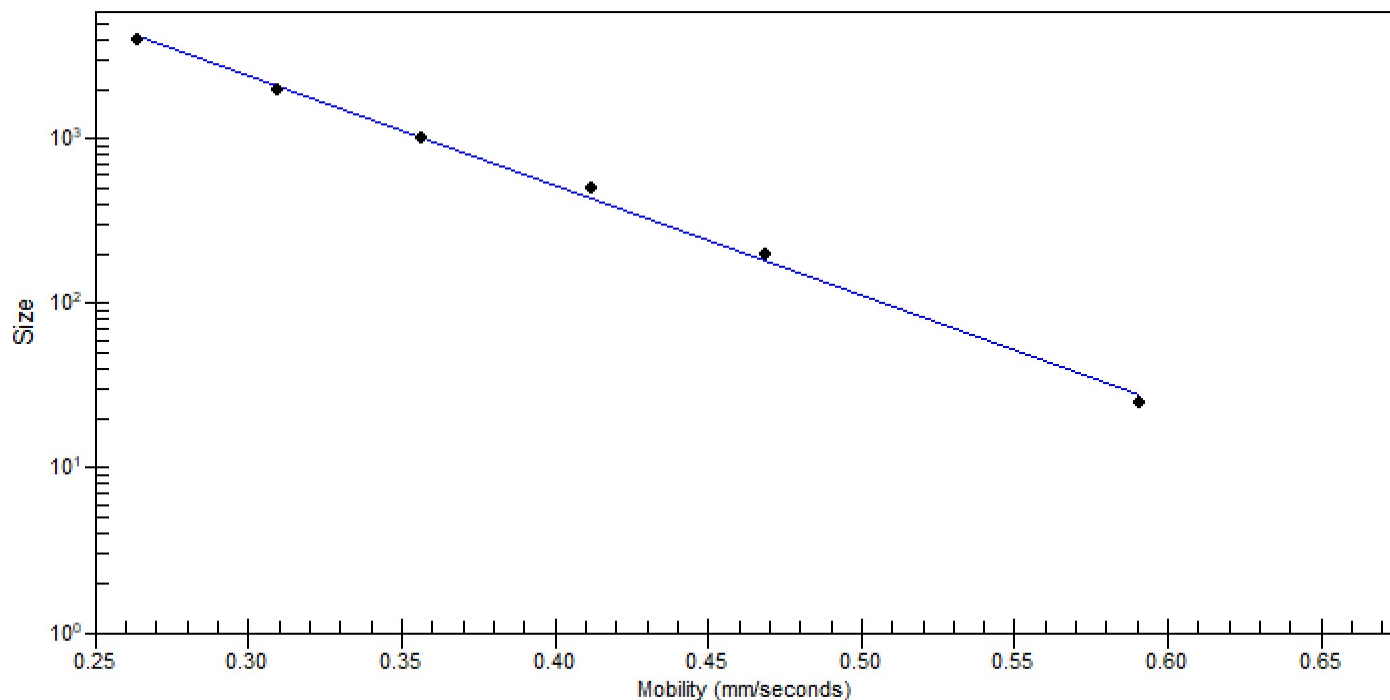


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
Modified: 12/4/2019 12:20:02 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_002.xad

Created: 12/4/2019 10:35:12 AM
 Modified: 12/4/2019 12:20:02 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		12/4/2019 10:57:16 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-04\Bioanalyze r1_Eukaryote Total RNA Pico_2019-12-04_002.xad)		Instrument	Run		12/4/2019 10:35:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/4/2019 10:35:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/4/2019 10:35:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/4/2019 10:35:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/4/2019 10:35:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/4/2019 10:35:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/4/2019 10:35:17 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB