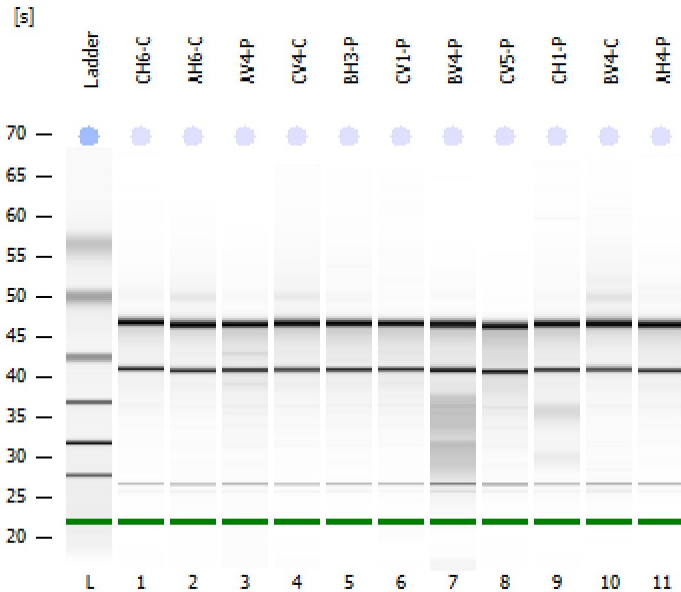


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
Modified: 12/5/2019 10:43:55 AM

Electrophoresis File Run Summary



Instrument Information:

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

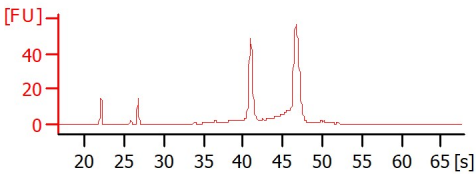
Assay Information:

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.

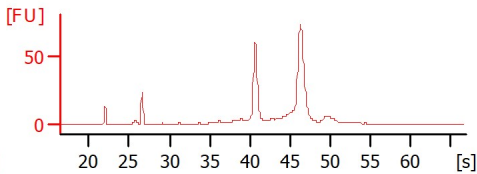
Chip Information:

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

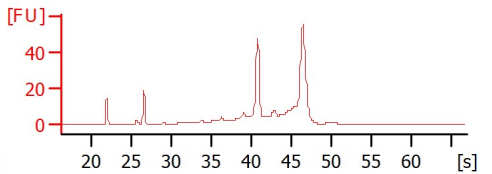
CH6-C
RIN: 9.30



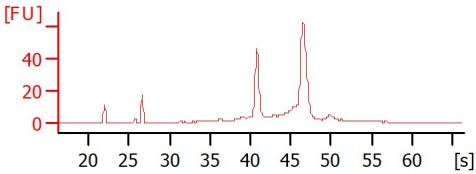
AH6-C
RIN: 9.40



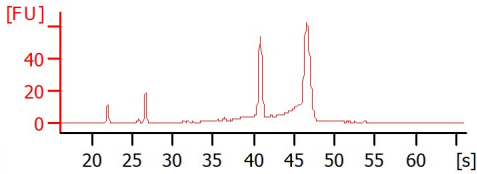
AV4-P
RIN: 8.80



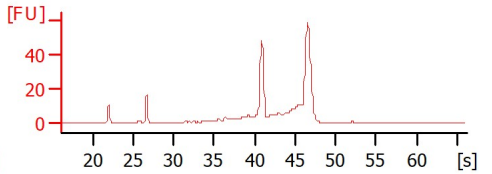
CV4-C
RIN: 9.30



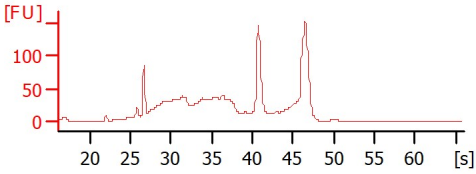
BH3-P
RIN: 9.10



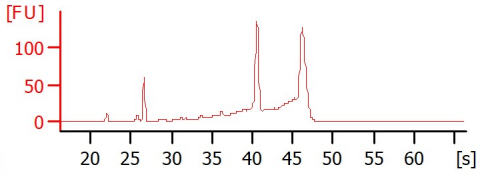
CV1-P
RIN: 8.90



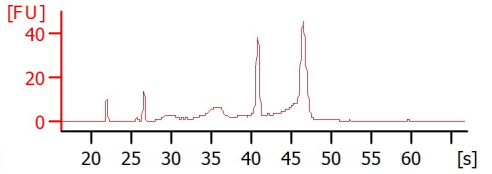
BV4-P
RIN: 6.20



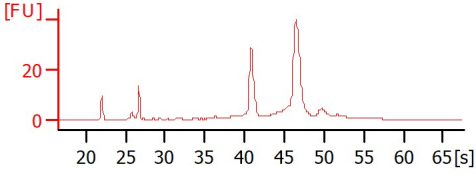
CV5-P
RIN: 7.60



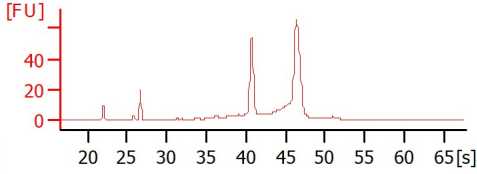
CH1-P
RIN: 7.80



BV4-C
RIN: 9.40



AH4-P
RIN: 9.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CH6-C		✓	RIN: 9.30	
AH6-C		✓	RIN: 9.40	
AV4-P		✓	RIN: 8.80	
CV4-C		✓	RIN: 9.30	
BH3-P		✓	RIN: 9.10	
CV1-P		✓	RIN: 8.90	
BV4-P		✓	RIN: 6.20	
CV5-P		✓	RIN: 7.60	
CH1-P		✓	RIN: 7.80	
BV4-C		✓	RIN: 9.40	
AH4-P		✓	RIN: 9.20	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

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

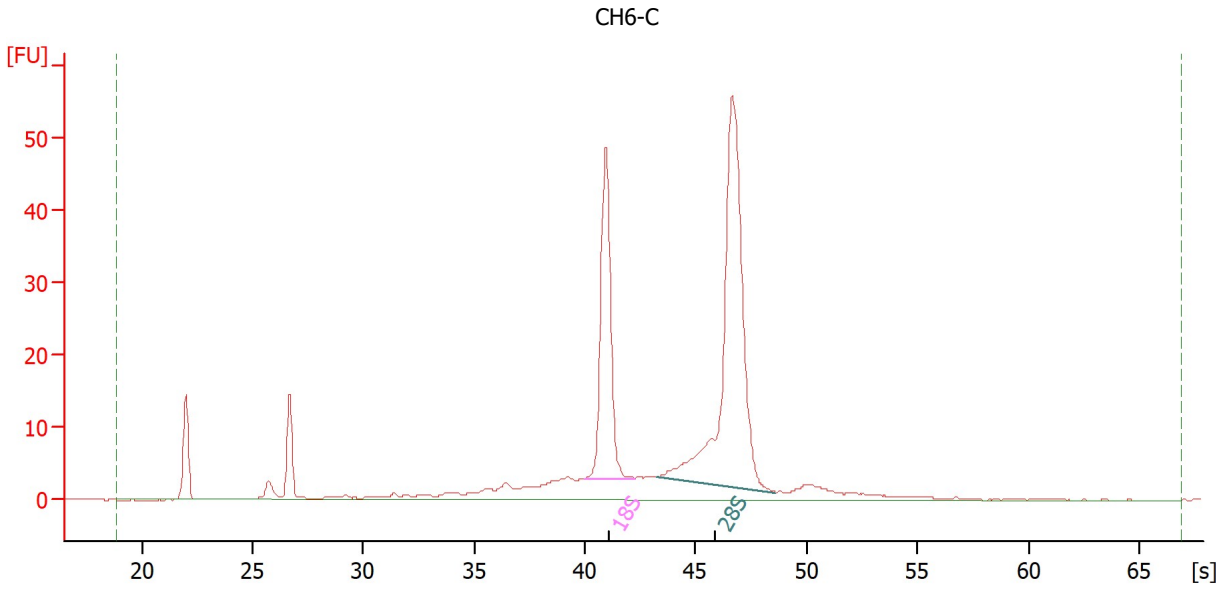
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary



Overall Results for sample 1 : CH6-C

RNA Area:	301.5	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	2,056 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.30

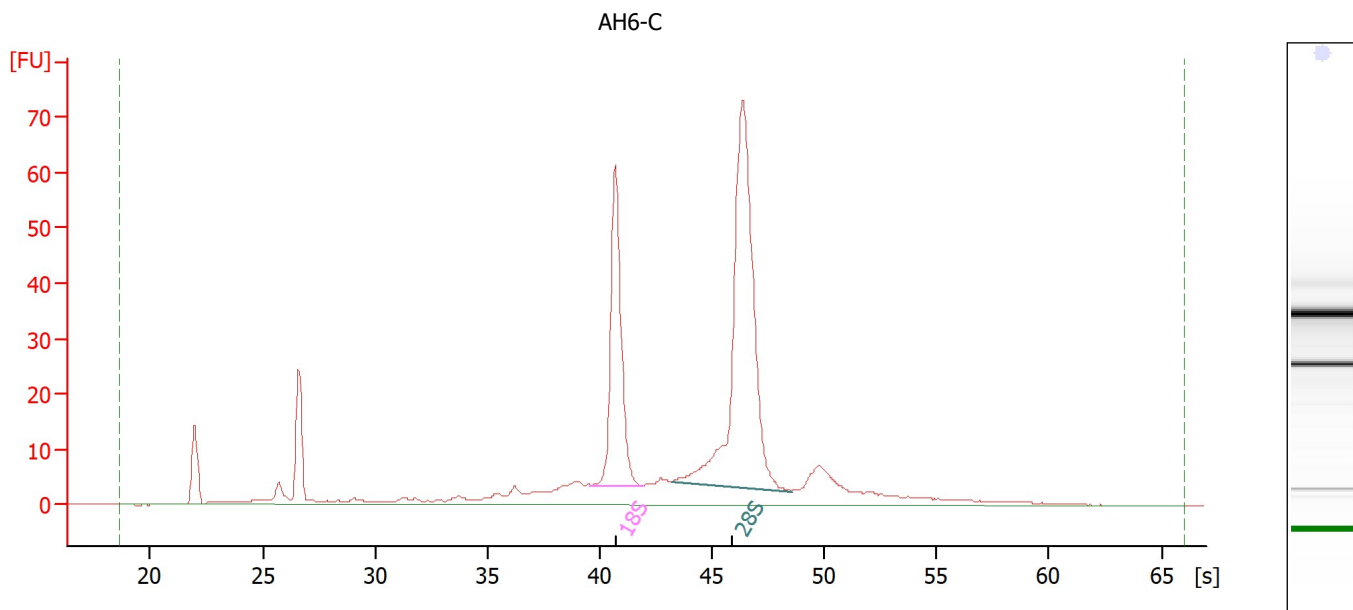
Fragment table for sample 1 : CH6-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.03	42.26	57.1	18.9
28S	43.22	48.60	116.5	38.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AH6-C

RNA Area:	452.4	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	3,085 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.40

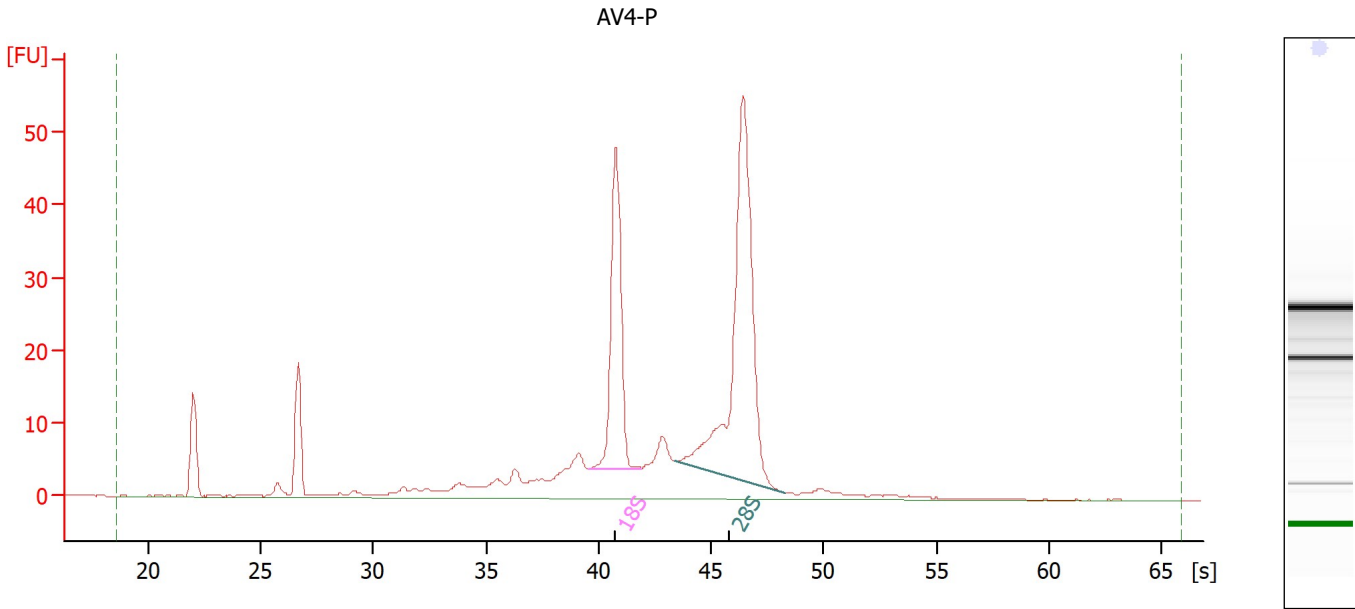
Fragment table for sample 2 : AH6-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.60	41.94	76.9	17.0
28S	43.19	48.54	157.0	34.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : AV4-P

RNA Area:	335.2	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	2,286 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 8.80

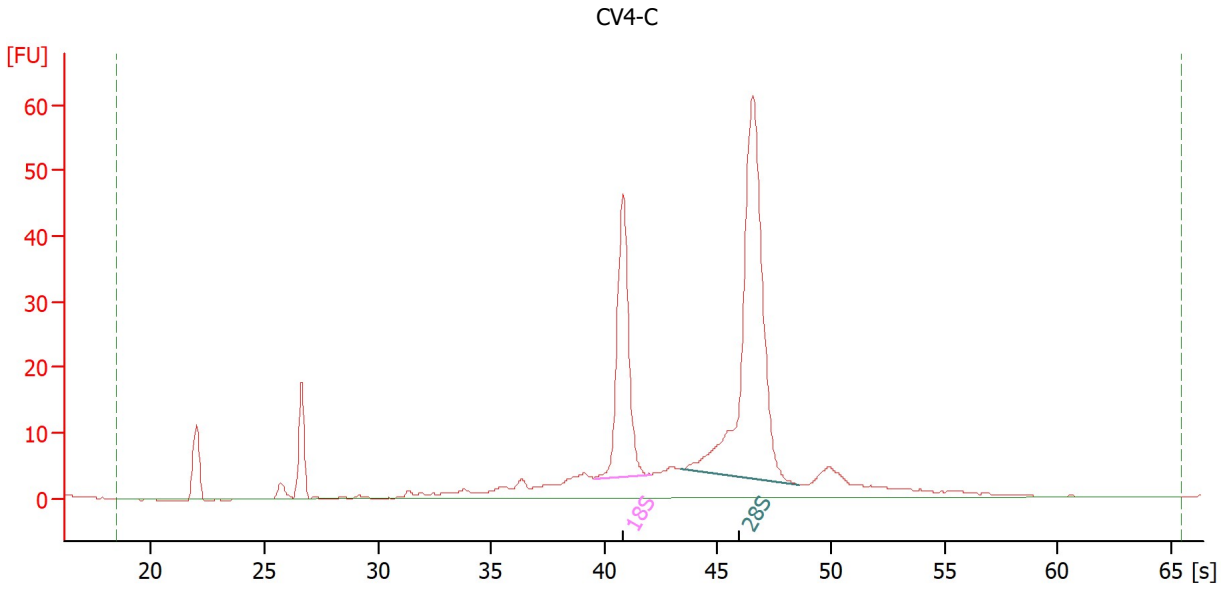
Fragment table for sample 3 : AV4-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.56	41.90	55.4	16.5
28S	43.43	48.30	110.4	32.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CV4-C

RNA Area:	351.7	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	2,398 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 9.30

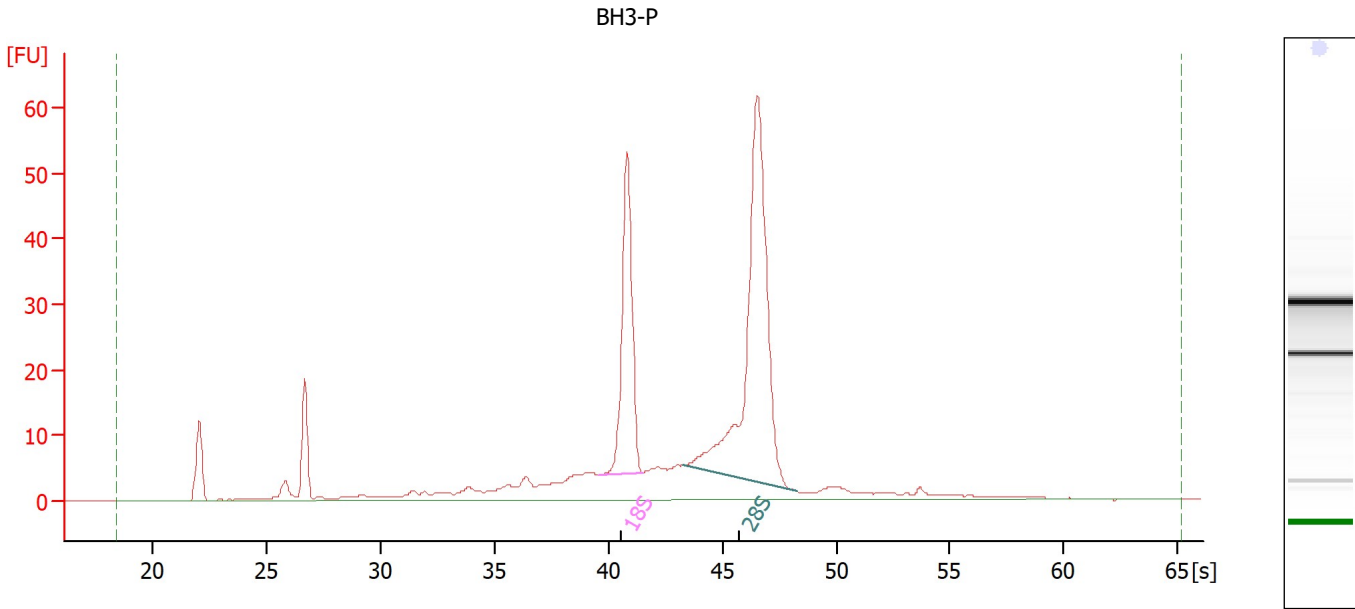
Fragment table for sample 4 : CV4-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.54	42.06	61.1	17.4
28S	43.38	48.55	130.1	37.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BH3-P

RNA Area:	371.2	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	2,531 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 9.10

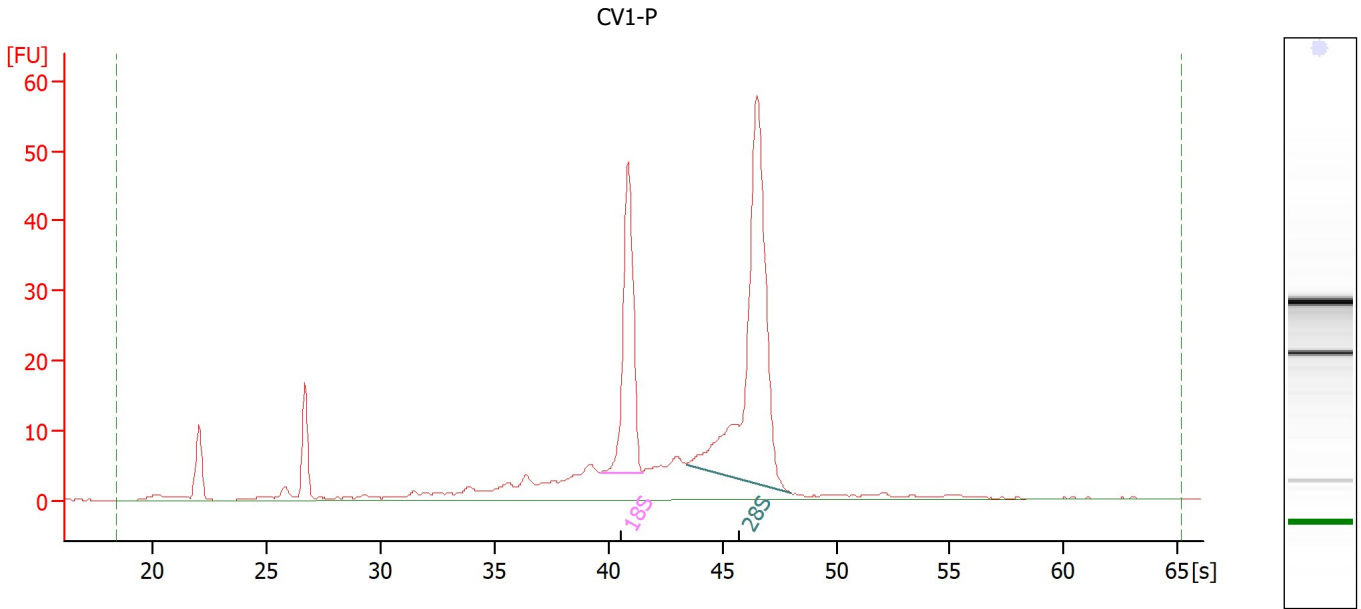
Fragment table for sample 5 : BH3-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.56	41.50	61.8	16.6
28S	43.29	48.30	131.3	35.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CV1-P

RNA Area:	346.8	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	2,365 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.90

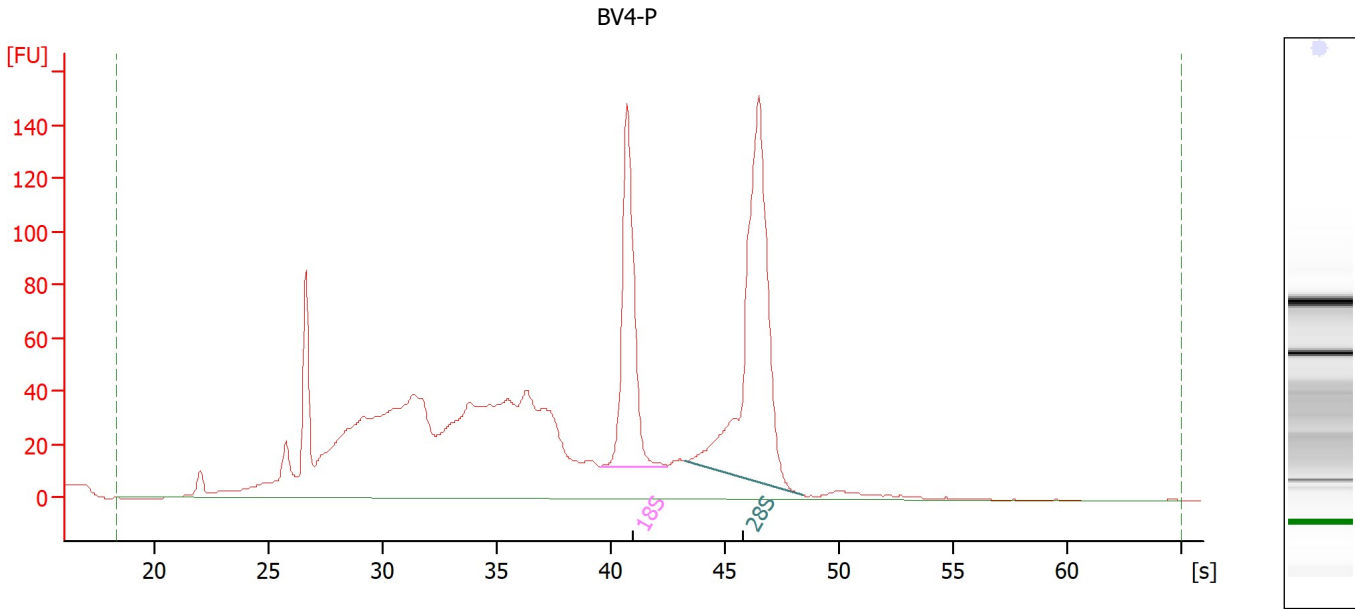
Fragment table for sample 6 : CV1-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.66	41.50	55.5	16.0
28S	43.43	48.06	117.7	33.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BV4-P

RNA Area:	2,057.0	RNA Integrity Number (RIN):	6.2 (B.02.10)
RNA Concentration:	14,026 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 6.20

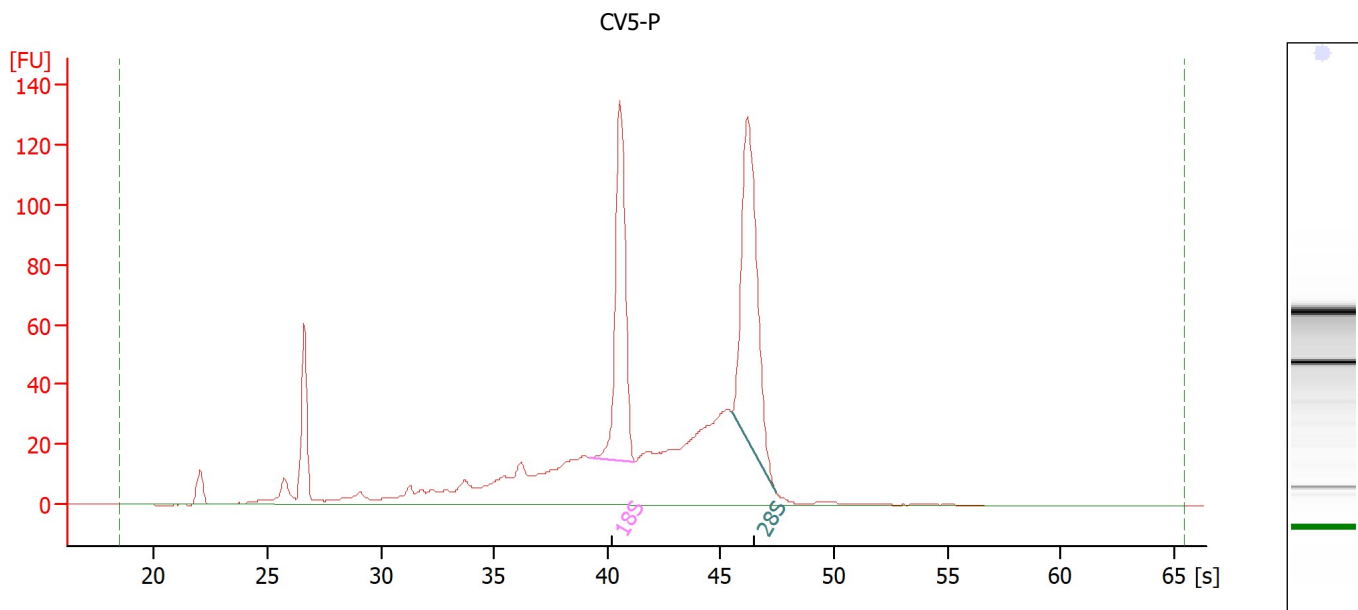
Fragment table for sample 7 : BV4-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.57	42.49	196.9	9.6
28S	43.29	48.48	356.6	17.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CV5-P

RNA Area:	1,036.3	RNA Integrity Number (RIN):	7.6 (B.02.10)
RNA Concentration:	7,067 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 7.60

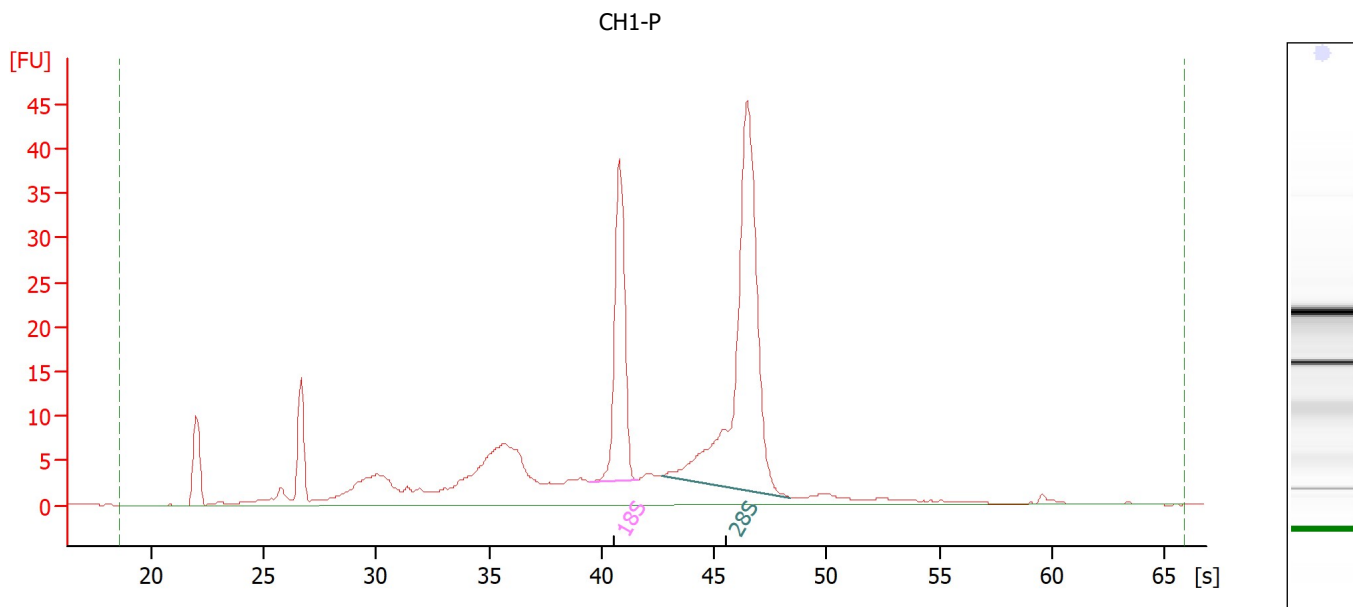
Fragment table for sample 8 : CV5-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.26	41.20	147.6	14.2
28S	45.47	47.41	186.7	18.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CH1-P

RNA Area:	337.0	RNA Integrity Number (RIN):	7.8 (B.02.10)
RNA Concentration:	2,298 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 7.80

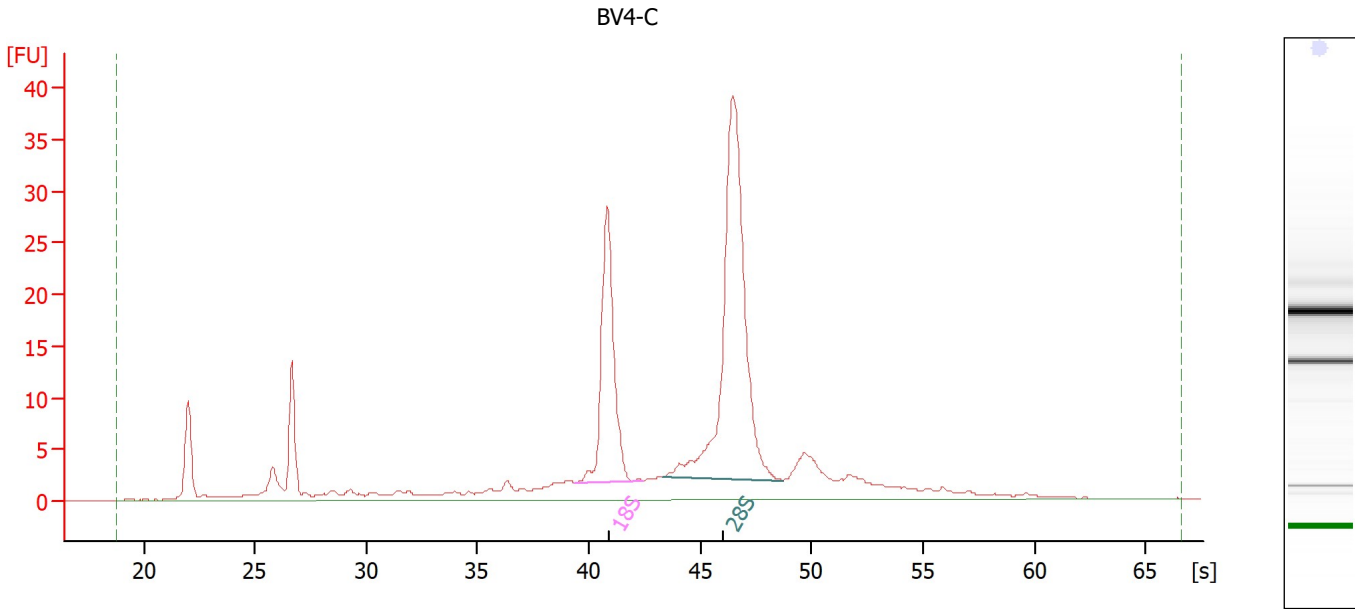
Fragment table for sample 9 : CH1-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.51	41.61	45.3	13.4
28S	42.66	48.39	104.1	30.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : BV4-C

RNA Area:	257.9	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	1,758 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 9.40

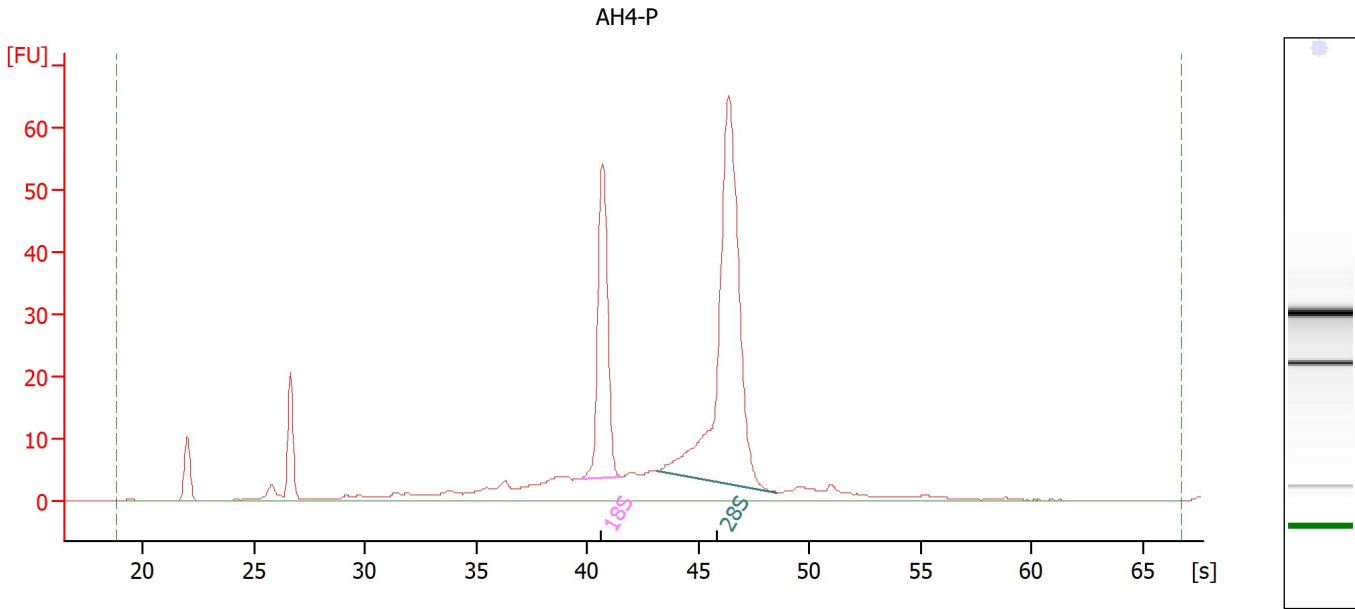
Fragment table for sample 10 : BV4-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.37	42.46	41.6	16.1
28S	43.32	48.73	87.6	34.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : AH4-P

RNA Area:	380.9	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	2,597 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN: 9.20

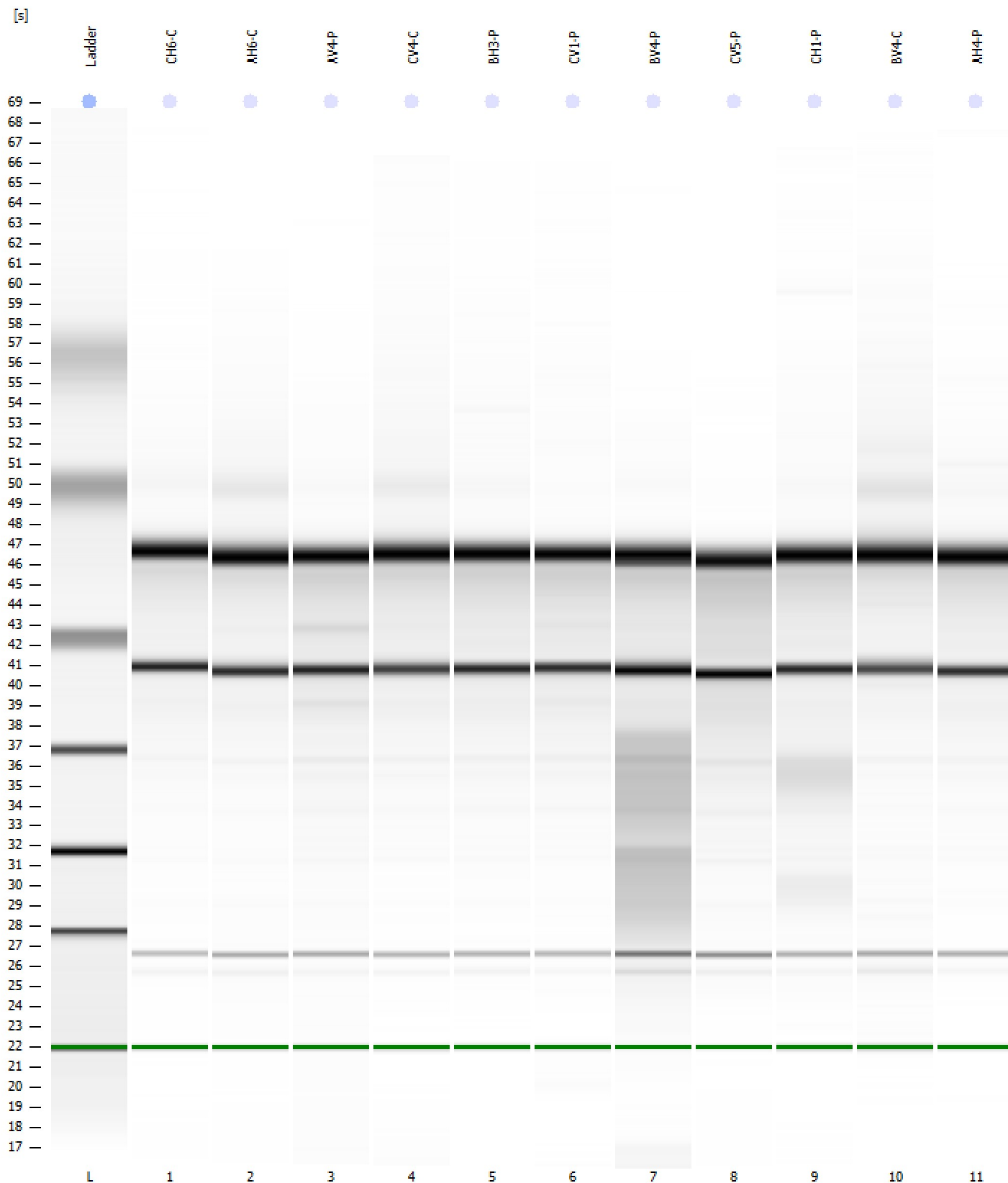
Fragment table for sample 11 : AH4-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.70	41.53	62.4	16.4
28S	43.18	48.55	143.6	37.7

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
Modified: 12/5/2019 10:43:55 AM

Gel Image

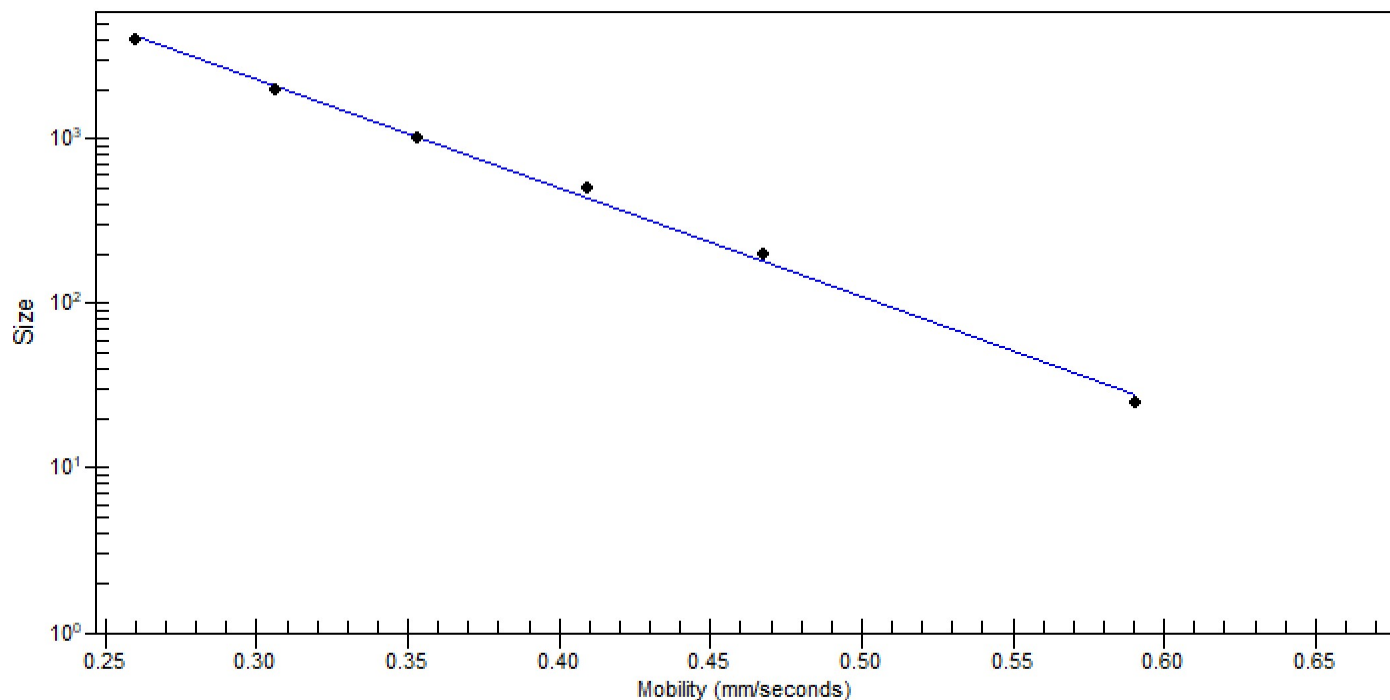


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
Modified: 12/5/2019 10:43:55 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_002.xad

Created: 12/5/2019 10:21:52 AM
 Modified: 12/5/2019 10:43:55 AM

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		12/5/2019 10:43:53 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-05\Bioanalyze r1_Eukaryote Total RNA Pico_2019-12-05_002.xad)		Instrument	Run		12/5/2019 10:21:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/5/2019 10:21:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/5/2019 10:21:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/5/2019 10:21:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/5/2019 10:21:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/5/2019 10:21:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/5/2019 10:21:57 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB