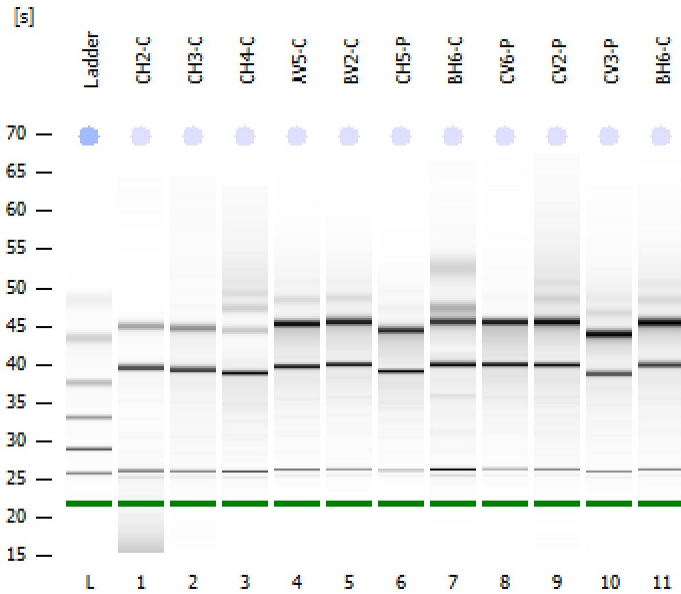


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electrophoresis File Run Summary



Instrument Information:

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

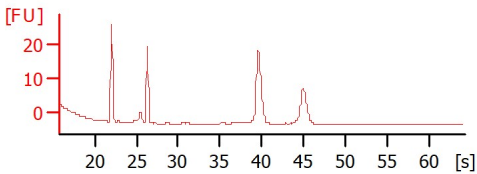
Assay Information:

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.

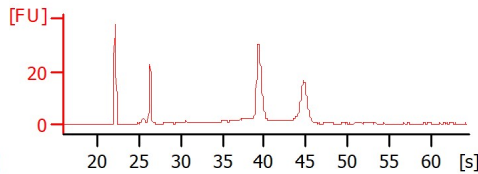
Chip Information:

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

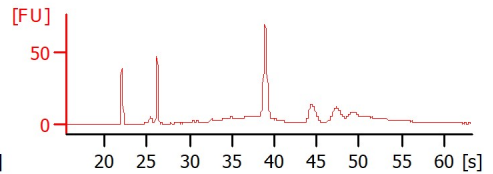
CH2-C
 RIN:10



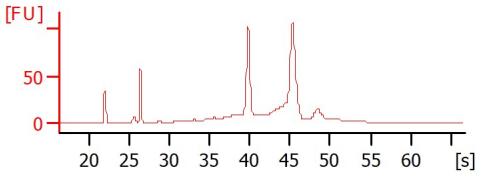
CH3-C
 RIN: 8.90



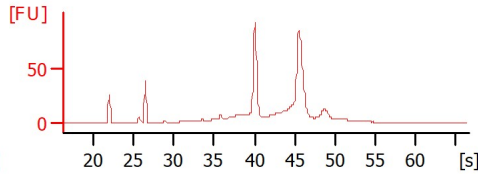
CH4-C
 RIN: 7.50



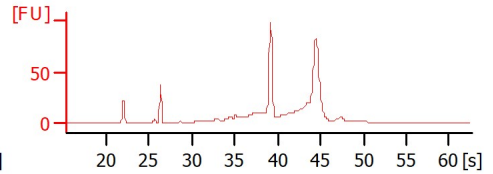
AV5-C
 RIN: 8.70



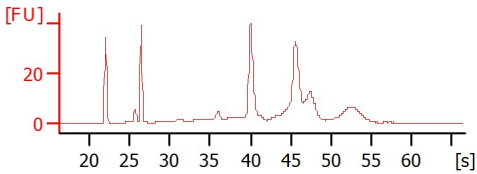
BV2-C
 RIN: 8.30



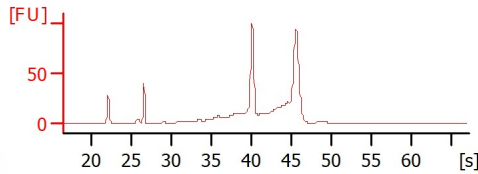
CH5-P
 RIN:8



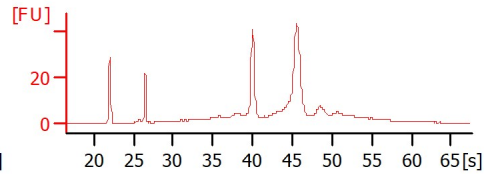
BH6-C
 RIN: 8.30



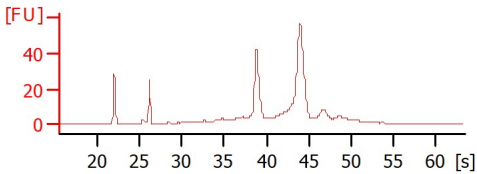
CV6-P
 RIN:8



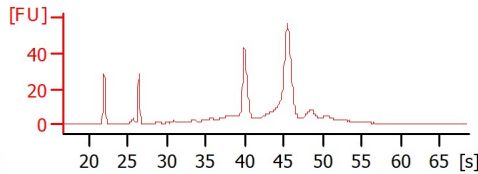
CV2-P
 RIN: 8.60



CV3-P
 RIN: 9.50



BH6-C
 RIN: 8.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
CH2-C		✓	RIN:10	
CH3-C		✓	RIN: 8.90	
CH4-C		✓	RIN: 7.50	
AV5-C		✓	RIN: 8.70	
BV2-C		✓	RIN: 8.30	
CH5-P		✓	RIN:8	
BH6-C		✓	RIN: 8.30	
CV6-P		✓	RIN:8	
CV2-P		✓	RIN: 8.60	
CV3-P		✓	RIN: 9.50	
BH6-C		✓	RIN: 8.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 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

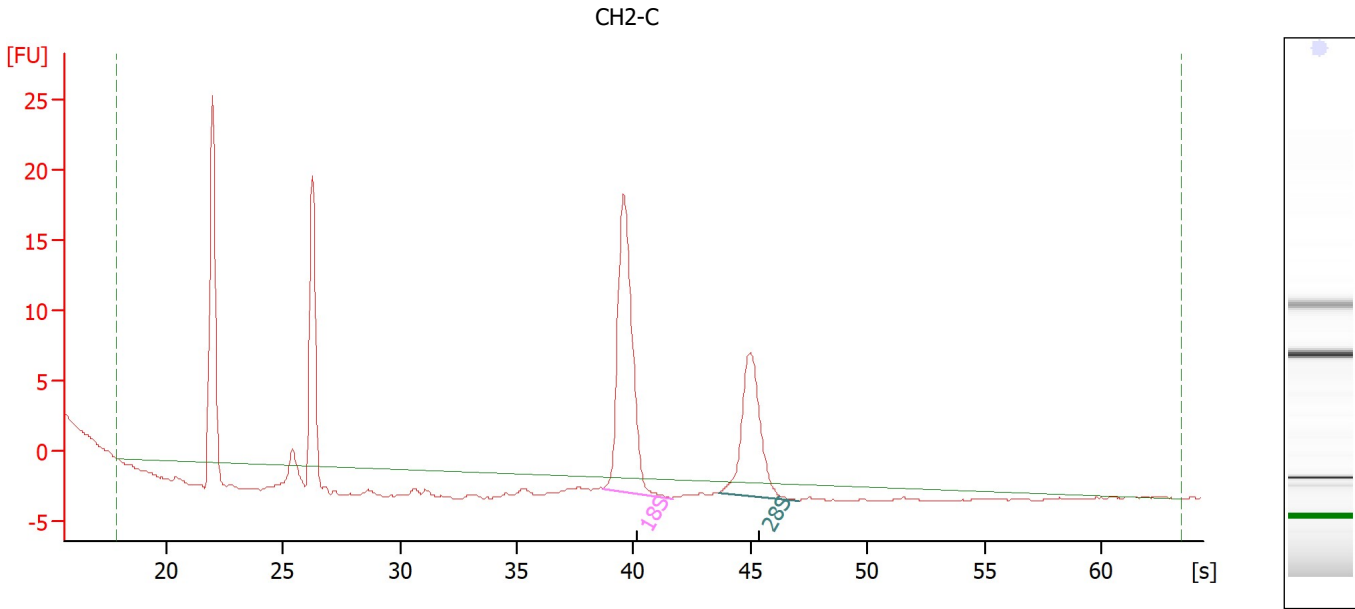
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary



Overall Results for sample 1 : CH2-C

RNA Area:	70.3	RNA Integrity Number (RIN):	10 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	166 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN:10

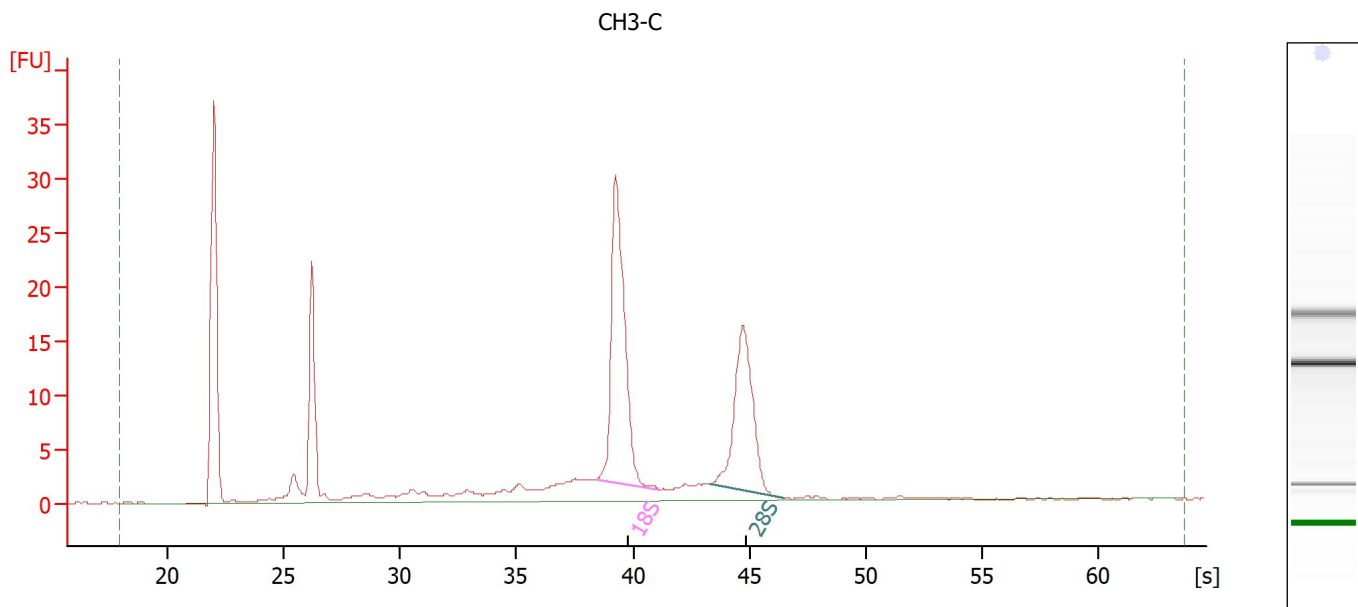
Fragment table for sample 1 : CH2-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.67	41.66	37.8	53.9
28S	43.63	47.03	21.3	30.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CH3-C

RNA Area:	171.4	RNA Integrity Number (RIN):	8.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	405 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 8.90

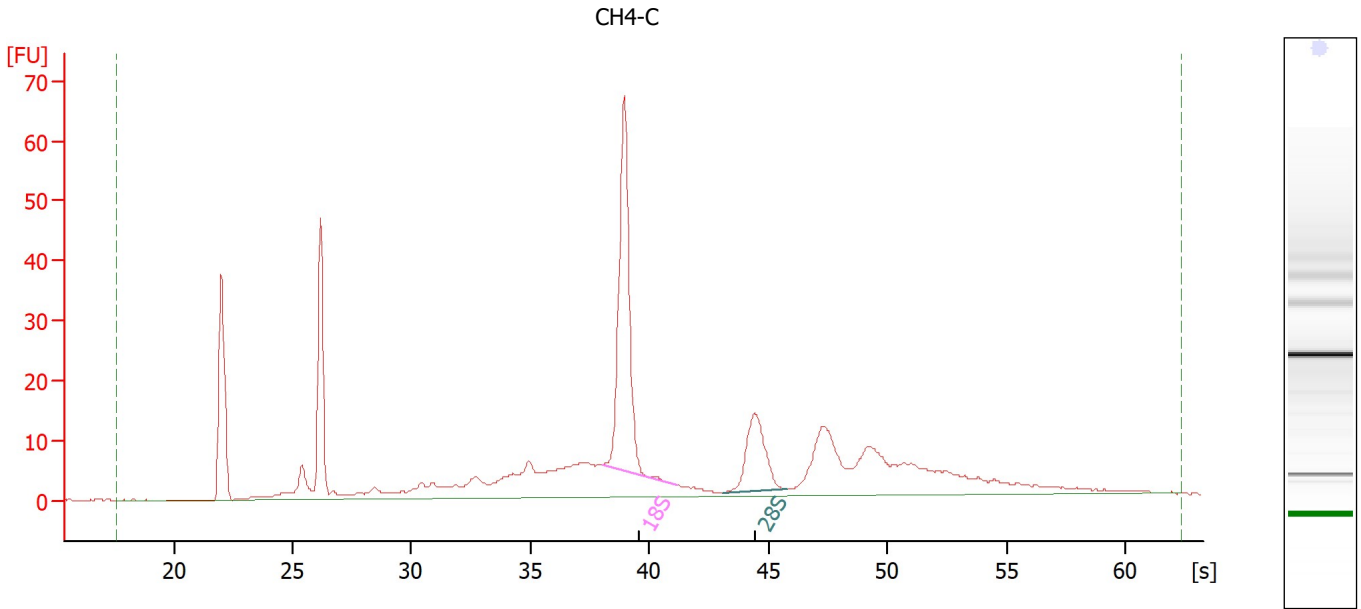
Fragment table for sample 2 : CH3-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.47	41.14	47.7	27.8
28S	43.26	46.44	31.4	18.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CH4-C

RNA Area:	404.1	RNA Integrity Number (RIN):	7.5 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	955 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 7.50

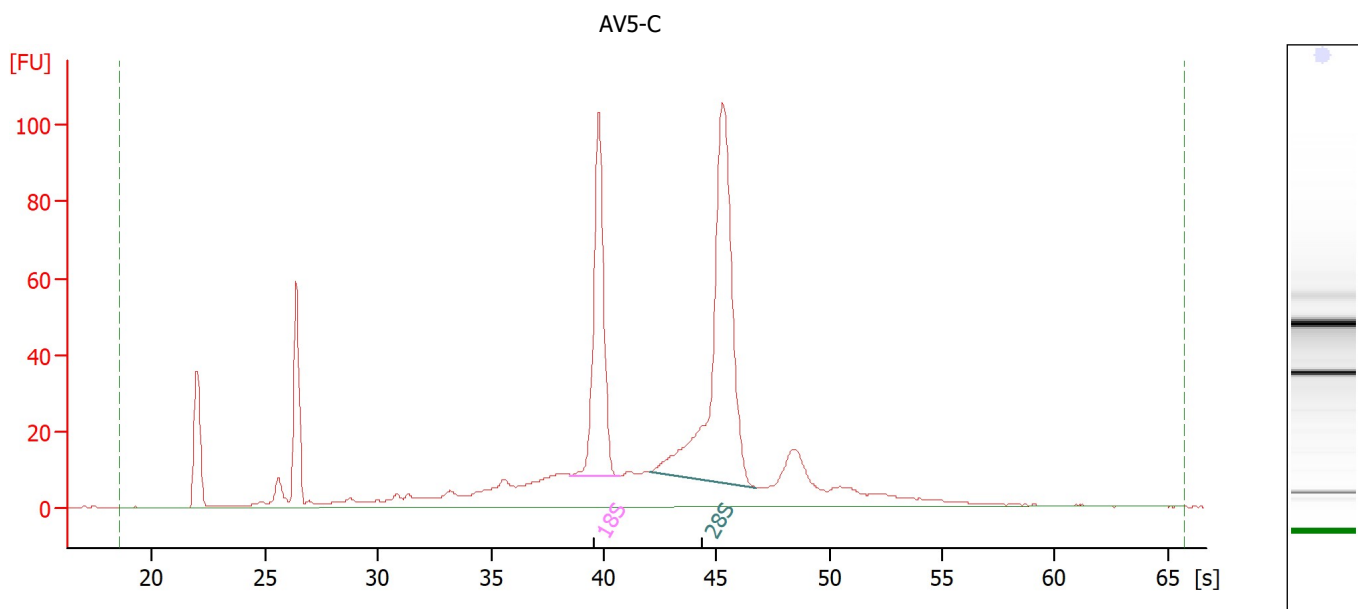
Fragment table for sample 3 : CH4-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.04	41.15	80.1	19.8
28S	43.10	45.81	27.0	6.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AV5-C

RNA Area:	799.3	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	1,888 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.70

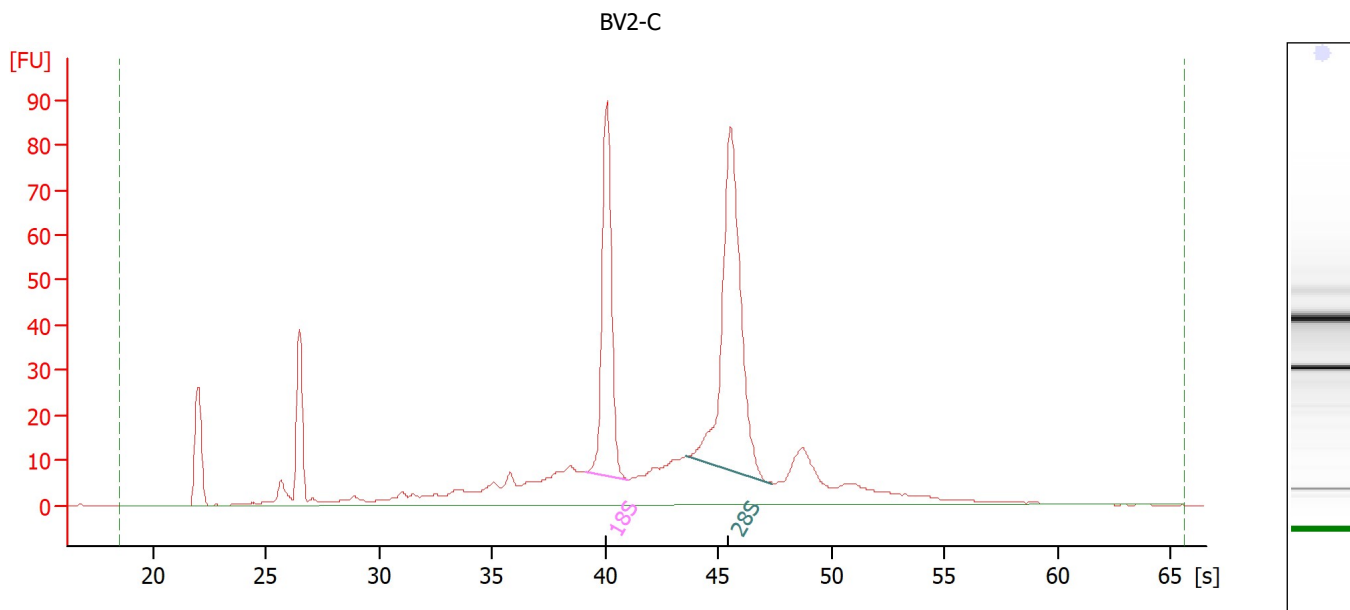
Fragment table for sample 4 : AV5-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.52	40.76	121.6	15.2
28S	42.05	46.76	224.3	28.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BV2-C

RNA Area:	649.2	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	1,534 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 8.30

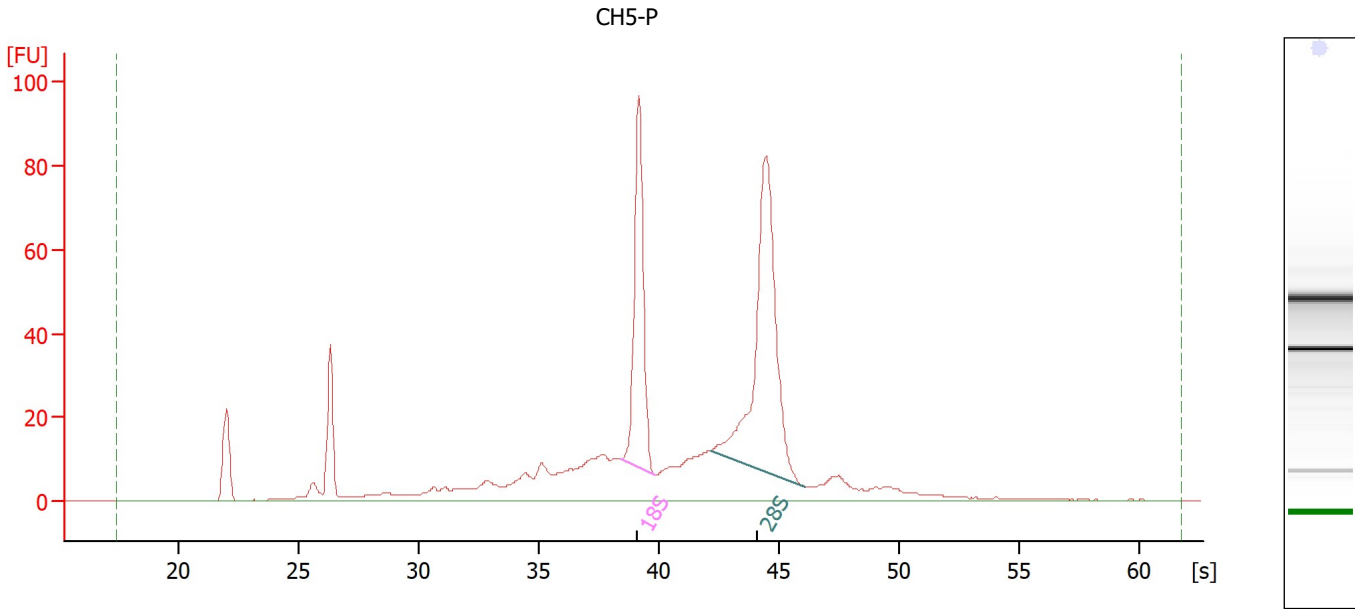
Fragment table for sample 5 : BV2-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.15	40.96	98.0	15.1
28S	43.57	47.37	156.6	24.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CH5-P

RNA Area:	662.1	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	1,564 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN:8

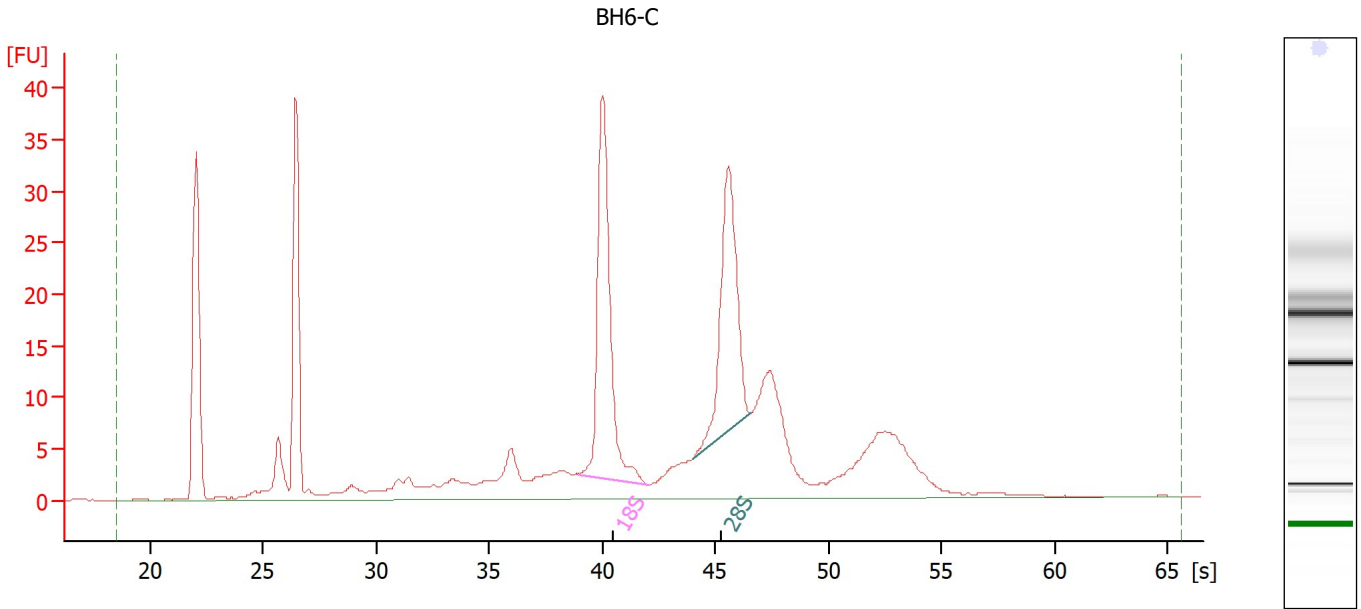
Fragment table for sample 6 : CH5-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.37	39.80	100.3	15.2
28S	42.12	46.10	163.6	24.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BH6-C

RNA Area:	356.9	RNA Integrity Number (RIN):	8.3 (B.02.10)
RNA Concentration:	843 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 8.30

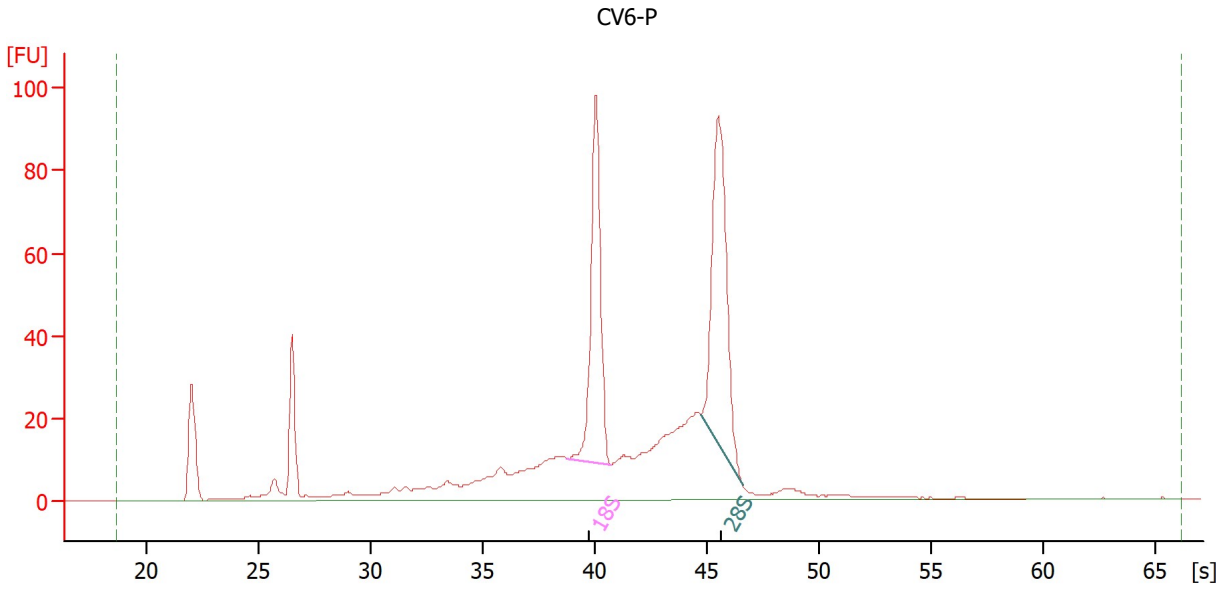
Fragment table for sample 7 : BH6-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.96	42.00	58.2	16.3
28S	44.00	46.57	46.5	13.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CV6-P

RNA Area:	688.0	RNA Integrity Number (RIN):	8 (B.02.10)
RNA Concentration:	1,626 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:8

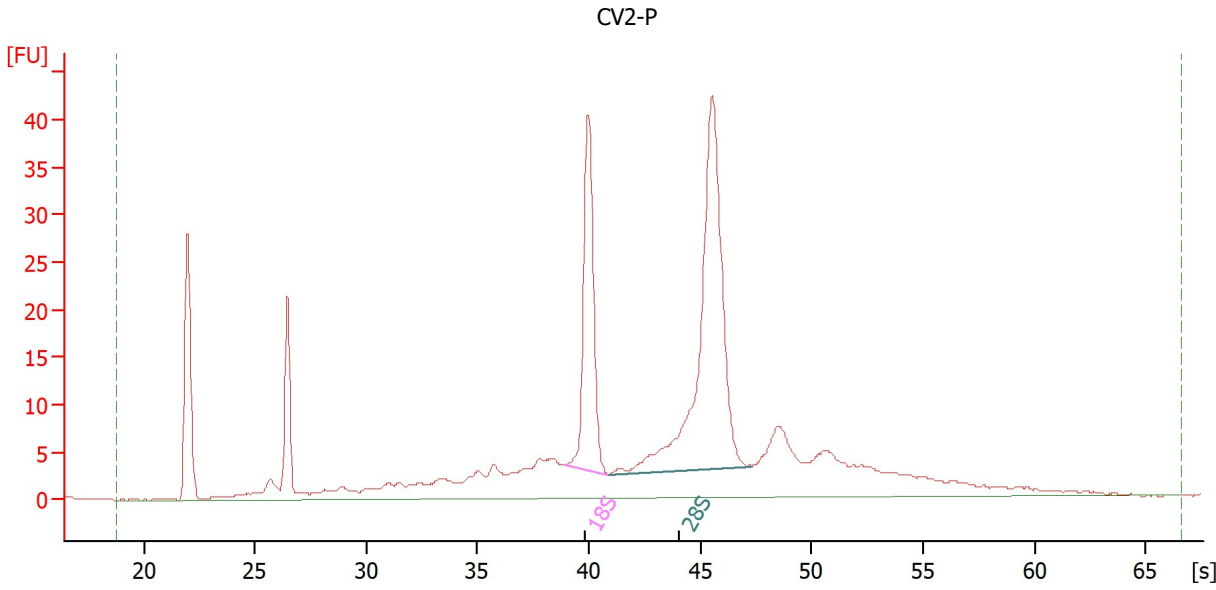
Fragment table for sample 8 : CV6-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.78	40.69	110.7	16.1
28S	44.77	46.59	130.5	19.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CV2-P

RNA Area:	374.8	RNA Integrity Number (RIN):	8.6 (B.02.10)
RNA Concentration:	885 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.1	Result Flagging Label:	RIN: 8.60

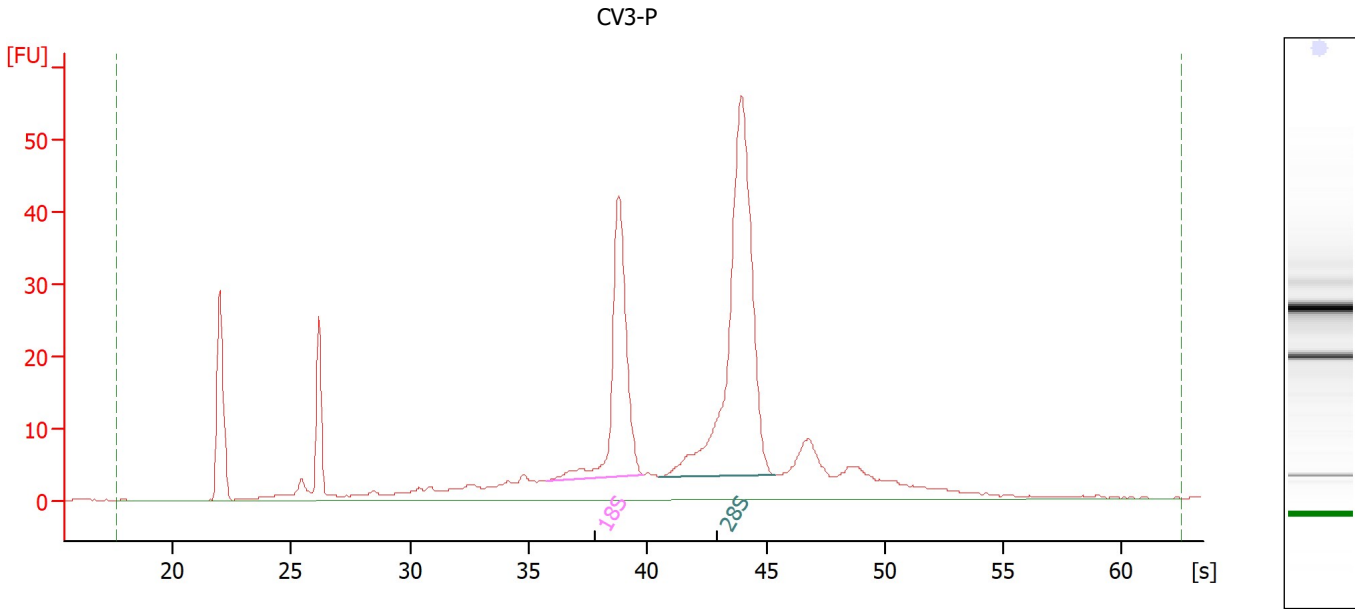
Fragment table for sample 9 : CV2-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.89	40.82	47.6	12.7
28S	40.91	47.28	100.4	26.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CV3-P

RNA Area:	414.9	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	980 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.50

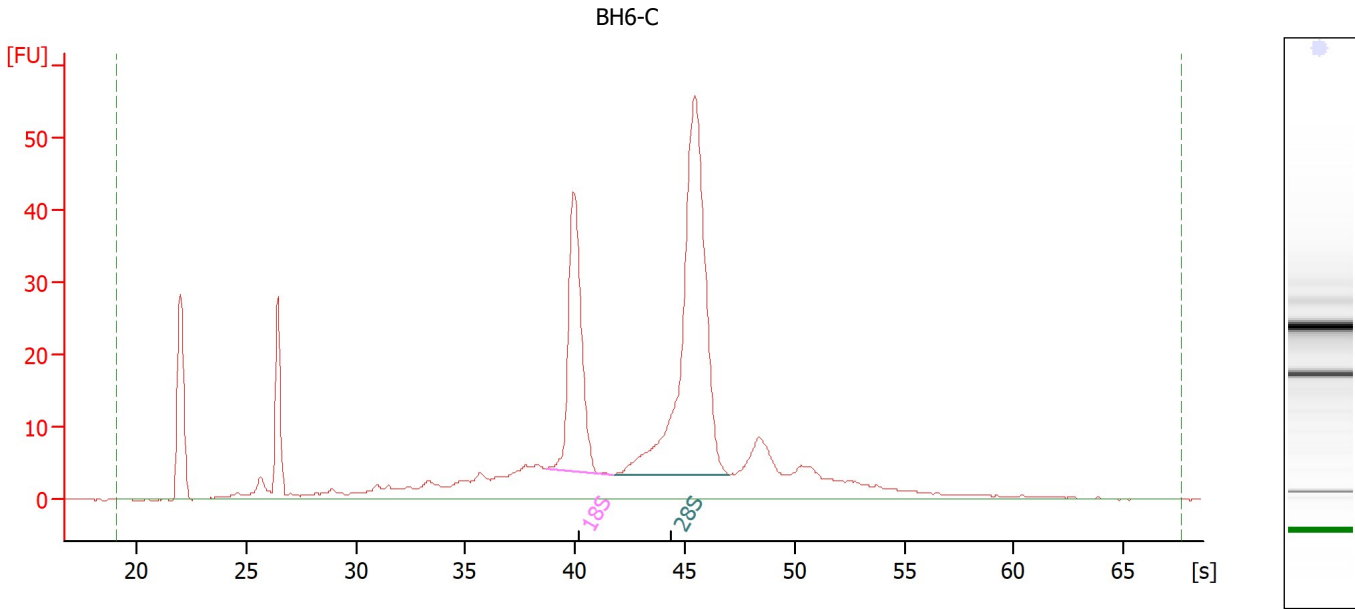
Fragment table for sample 10 : CV3-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	35.76	39.84	68.0	16.4
28S	40.51	45.36	135.2	32.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : BH6-C

RNA Area:	449.1	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	1,061 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.2	Result Flagging Label:	RIN: 8.90

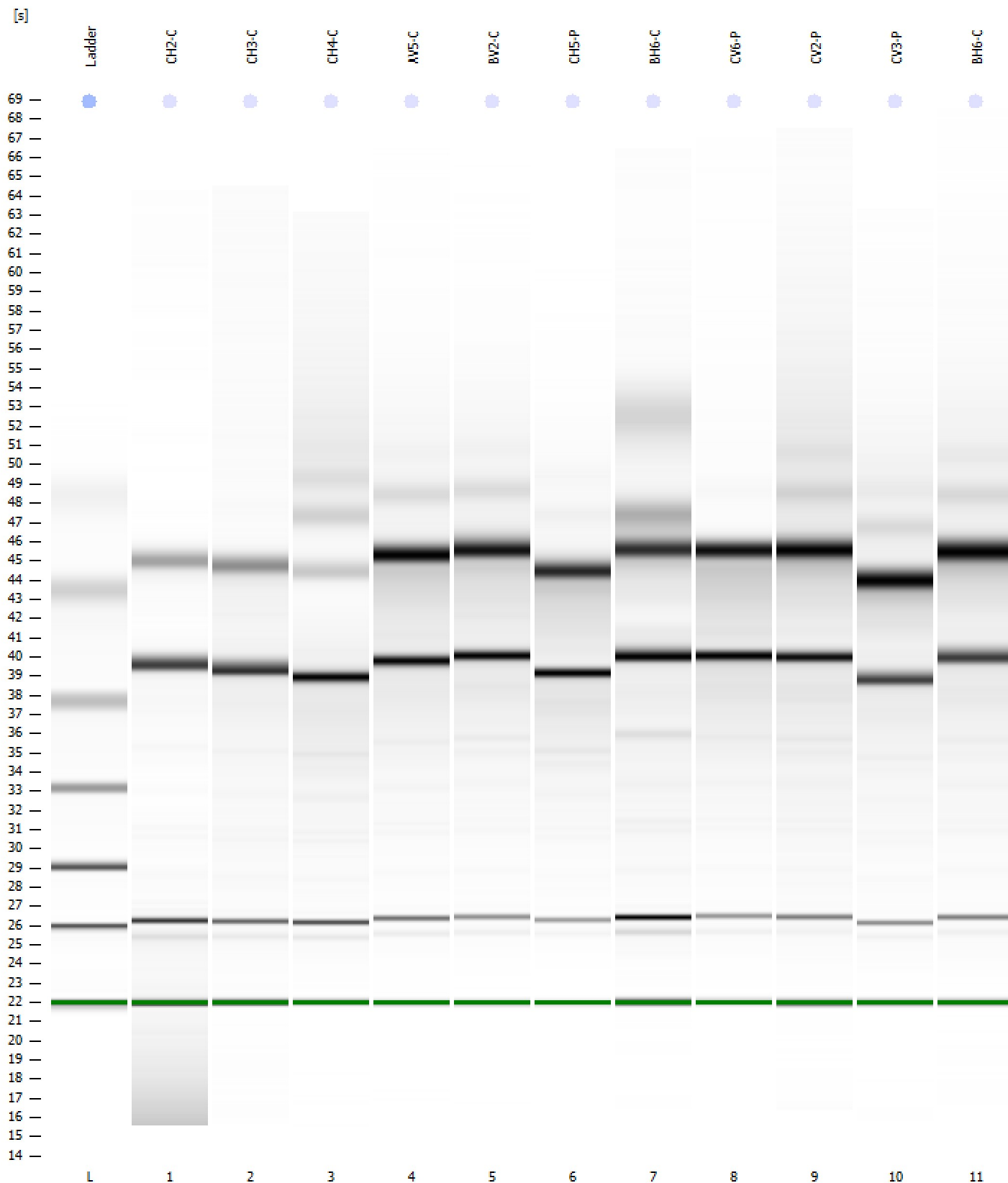
Fragment table for sample 11 : BH6-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.66	41.70	65.8	14.6
28S	41.80	47.04	142.1	31.6

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
Modified: 12/9/2019 10:39:10 AM

Gel Image

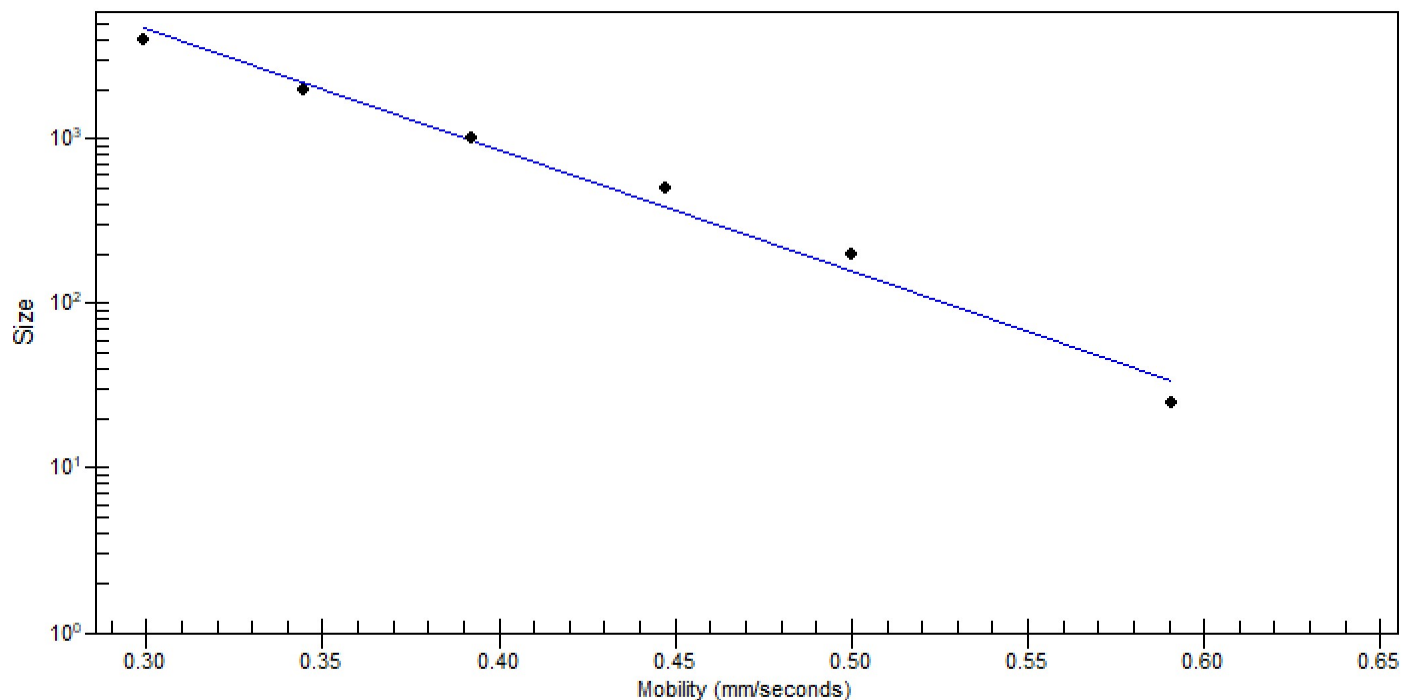


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
Modified: 12/9/2019 10:39:10 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...09\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-09_002.xad

Created: 12/9/2019 10:17:06 AM
 Modified: 12/9/2019 10:39:10 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		12/9/2019 10:39:08 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-09\Bioanalyze r1_Eukaryote Total RNA Pico_2019-12-09_002.xad)		Instrument	Run		12/9/2019 10:17:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/9/2019 10:17:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/9/2019 10:17:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/9/2019 10:17:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/9/2019 10:17:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/9/2019 10:17:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/9/2019 10:17:11 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB