

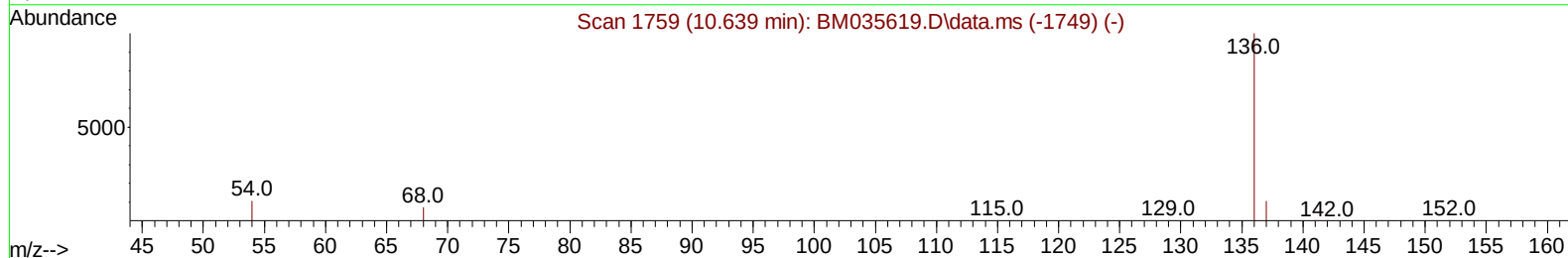
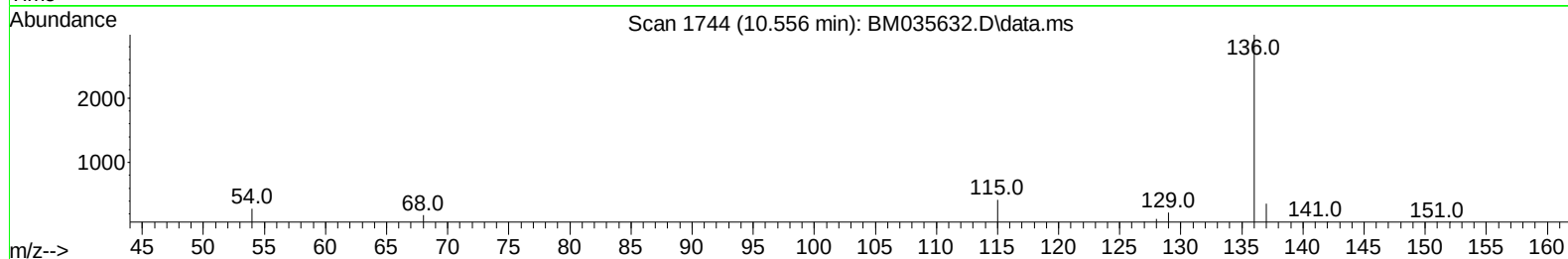
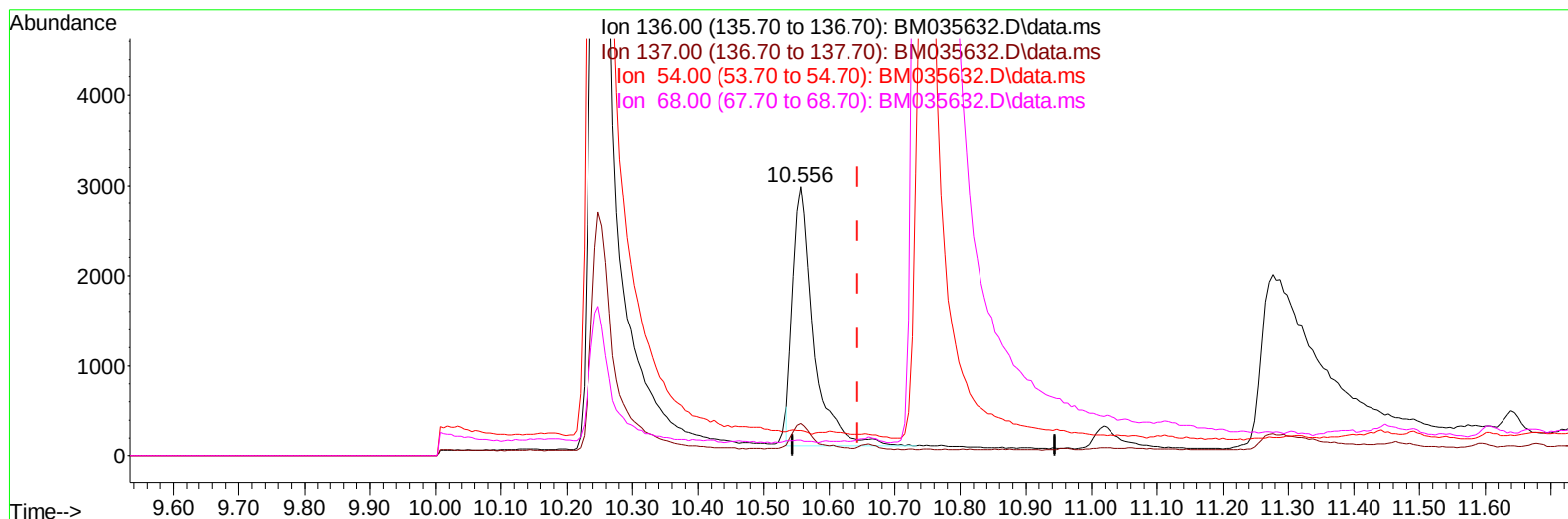
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
Data File : BM035632.D
Acq On : 23 Jun 2022 19:16
Operator : CG/JU
Sample : N3358-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 01:56:13 2022
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/24/2022
Supervised By :Yogesh Patel 06/28/2022



TIC: BM035632.D\data.ms

(4) Naphthalene-d8 (I)

10.556min (-0.088) 0.40 ng/u1

response 6306

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.70	12.08
54.00	12.80	9.50#
68.00	8.70	6.02#

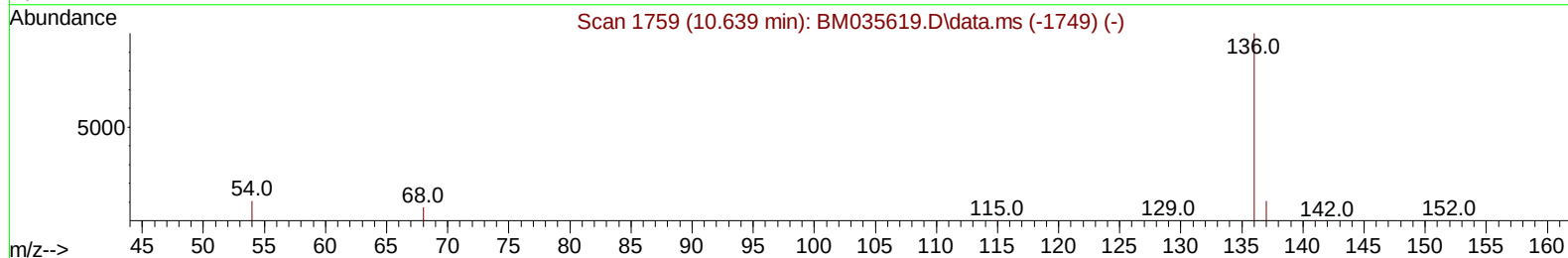
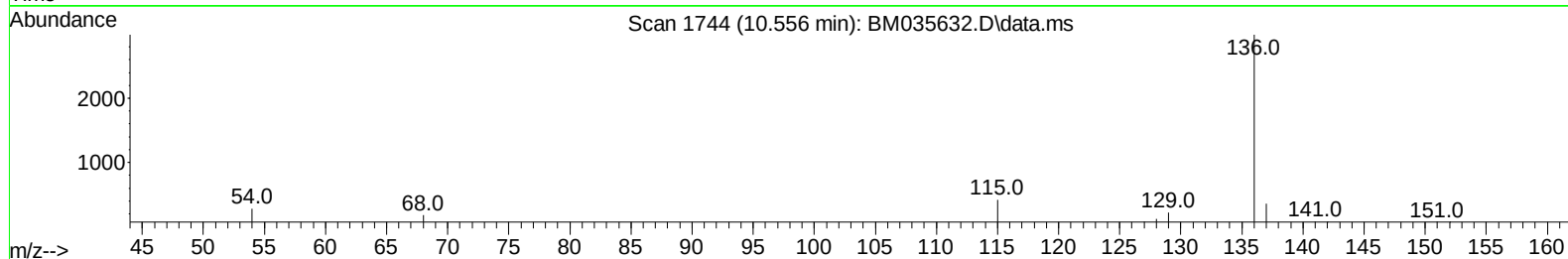
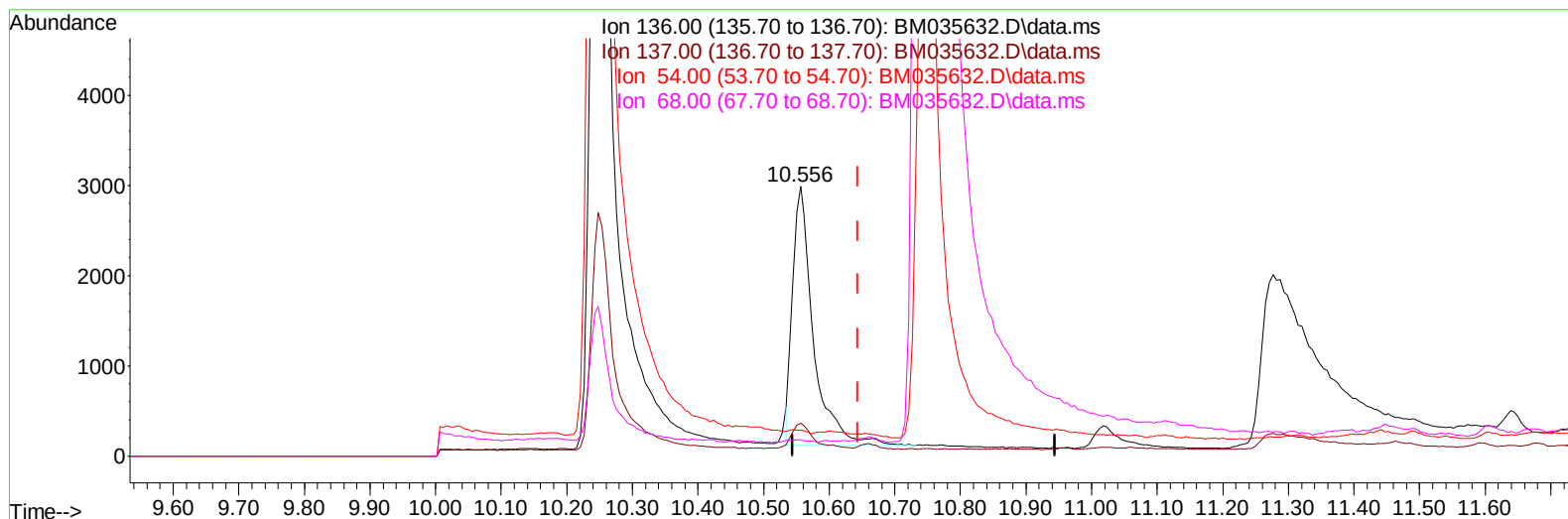
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
Data File : BM035632.D
Acq On : 23 Jun 2022 19:16
Operator : CG/JU
Sample : N3358-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 01:56:13 2022
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TIC: BM035632.D\data.ms

(4) Naphthalene-d8 (I)

10.556min (-0.088) 0.40 ng/u1

response 6306

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.70	12.08
54.00	12.80	9.50#
68.00	8.70	6.02#

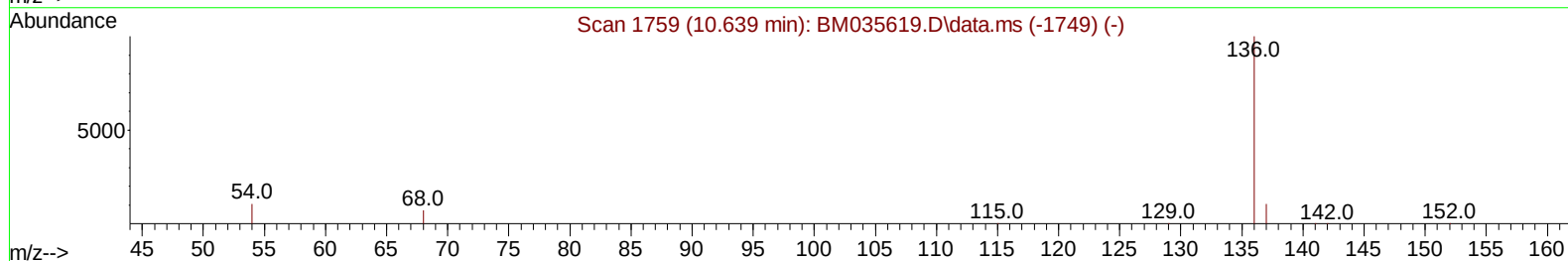
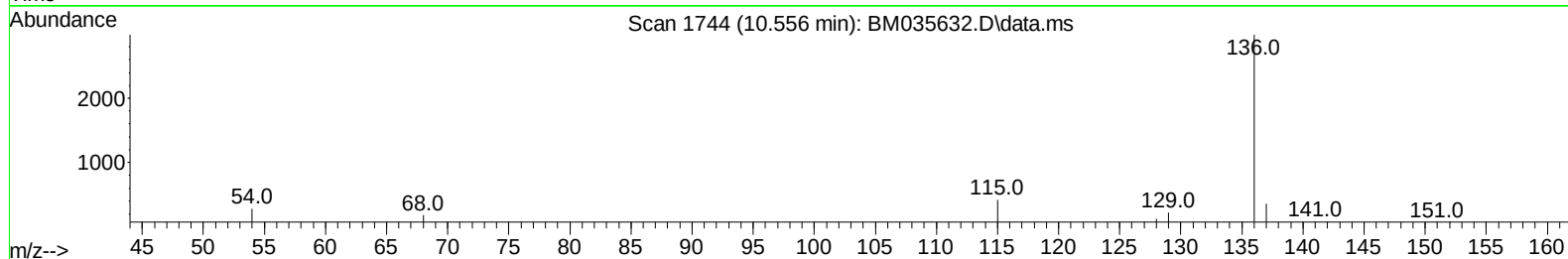
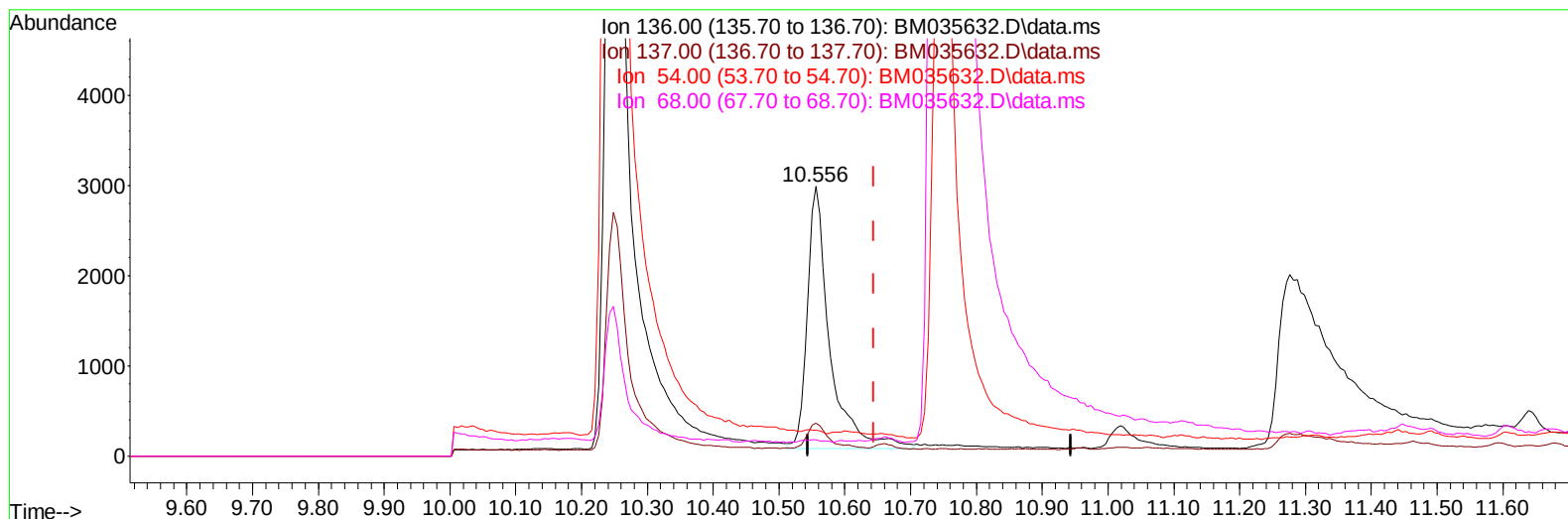
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
Data File : BM035632.D
Acq On : 23 Jun 2022 19:16
Operator : CG/JU
Sample : N3358-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 01:56:13 2022
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/24/2022
Supervised By :Yogesh Patel 06/28/2022



TIC: BM035632.D\data.ms

(4) Naphthalene-d8 (I)

10.556min (-0.088) 0.40 ng/ul m

response 6889

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.70	12.08
54.00	12.80	9.50#
68.00	8.70	6.02#

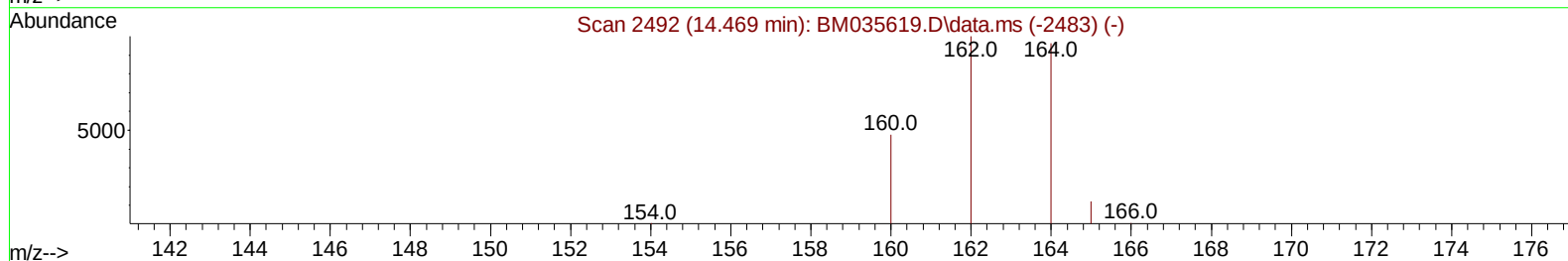
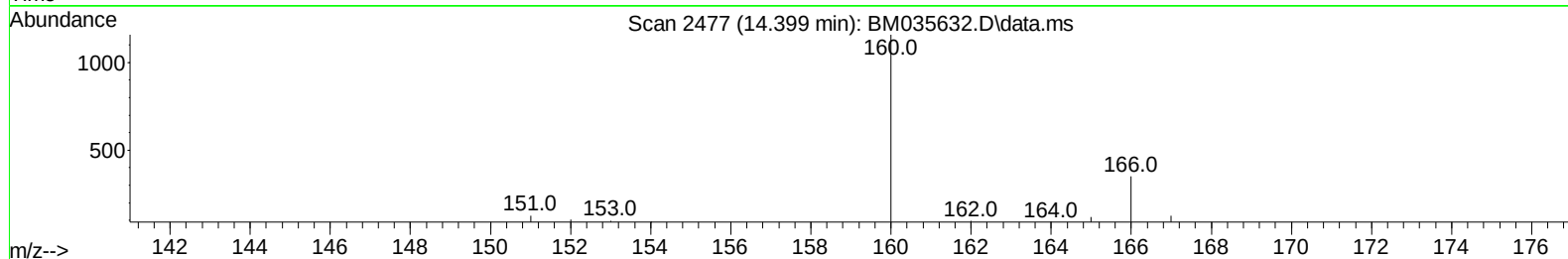
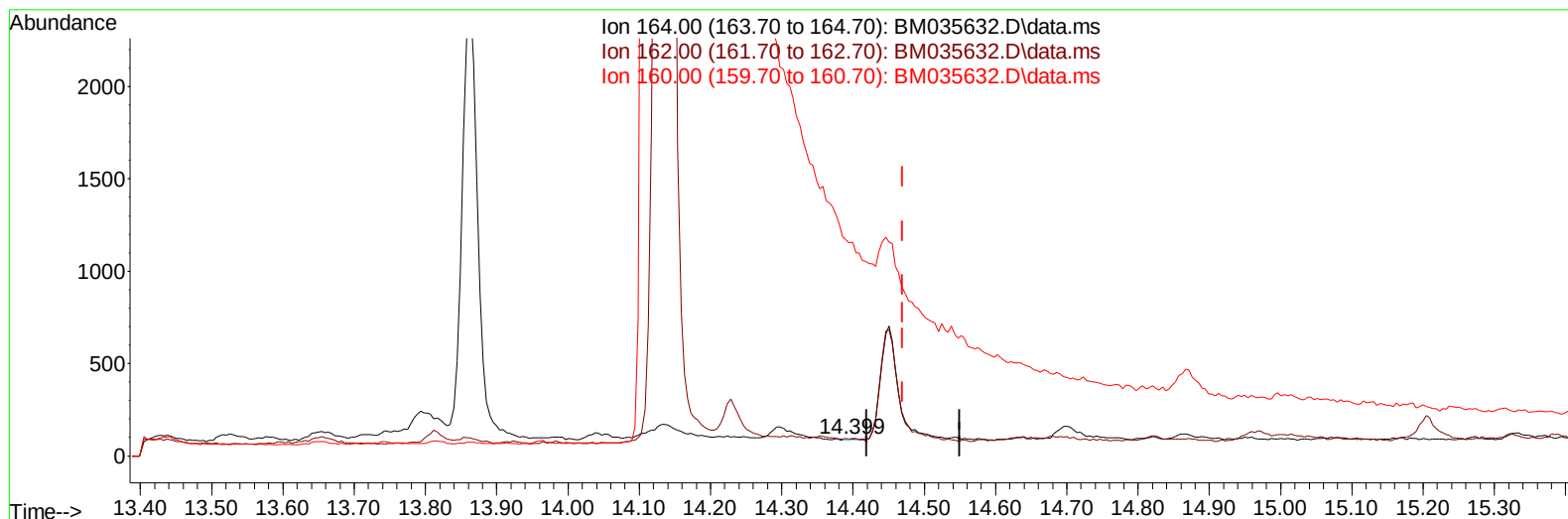
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
Data File : BM035632.D
Acq On : 23 Jun 2022 19:16
Operator : CG/JU
Sample : N3358-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
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QLast Update : Mon Jun 20 01:56:13 2022
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TIC: BM035632.D\data.ms

(9) Acenaphthene-d10 (I)

14.399min (-0.070) 0.40 ng/u1

response 6

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.40	104.35
160.00	49.90	1258.70#
0.00	0.00	0.00

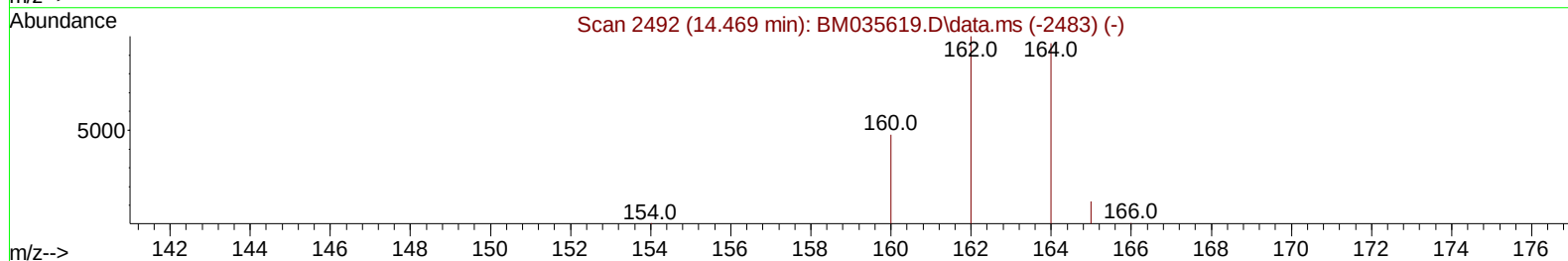
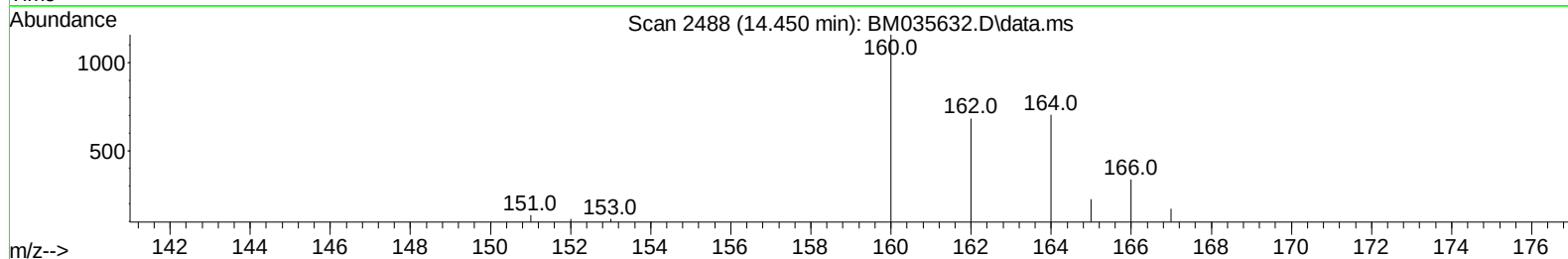
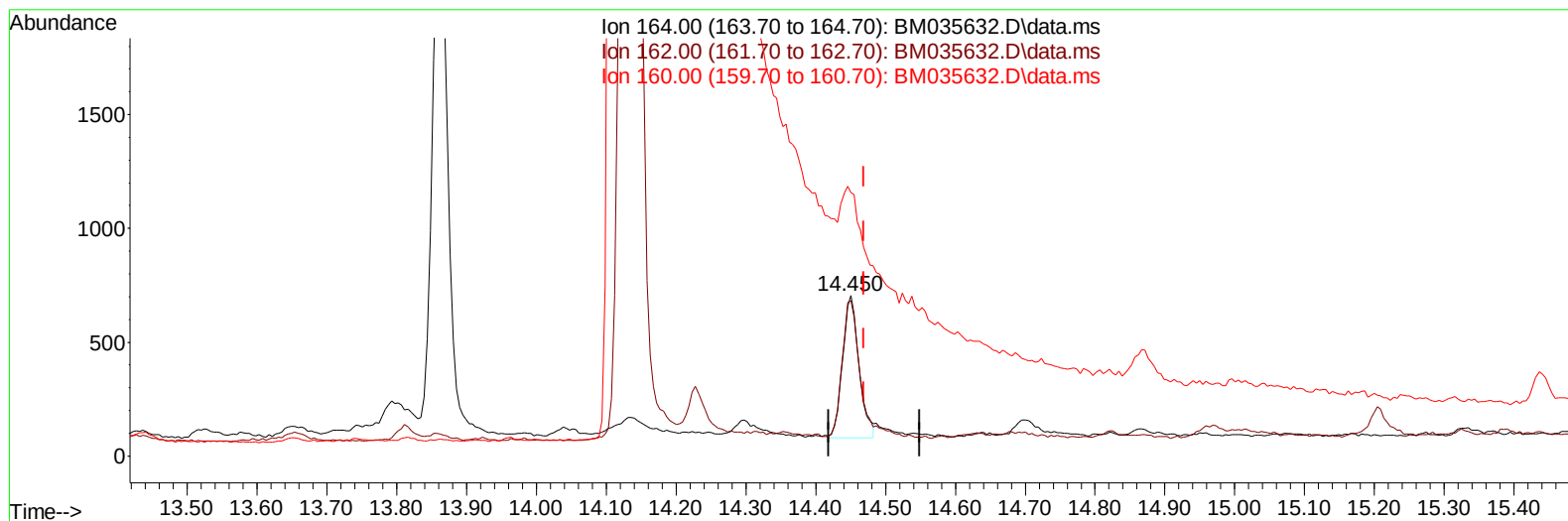
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
Data File : BM035632.D
Acq On : 23 Jun 2022 19:16
Operator : CG/JU
Sample : N3358-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 01:56:13 2022
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Supervised By :Yogesh Patel 06/28/2022



TIC: BM035632.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.019) 0.40 ng/ul m

response 1019

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.40	97.02
160.00	49.90	164.26#
0.00	0.00	0.00

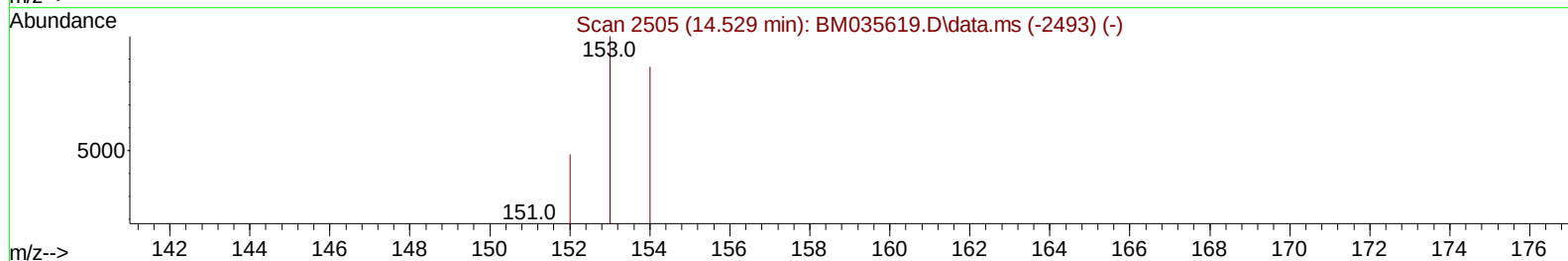
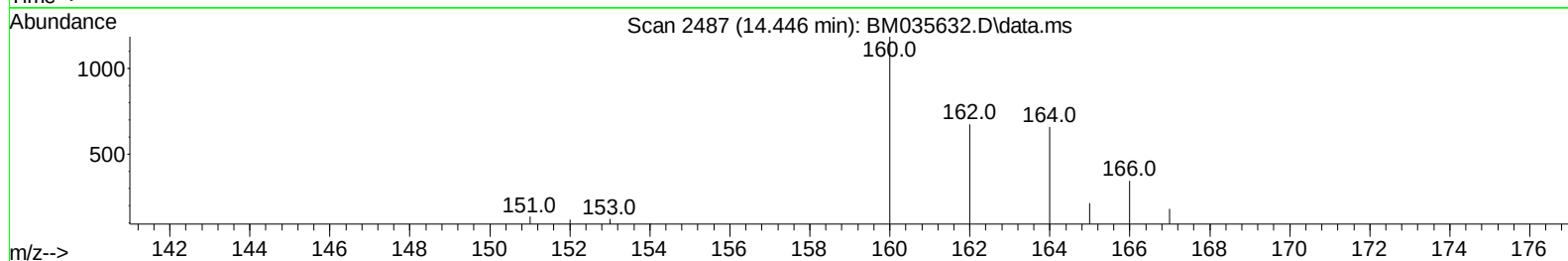
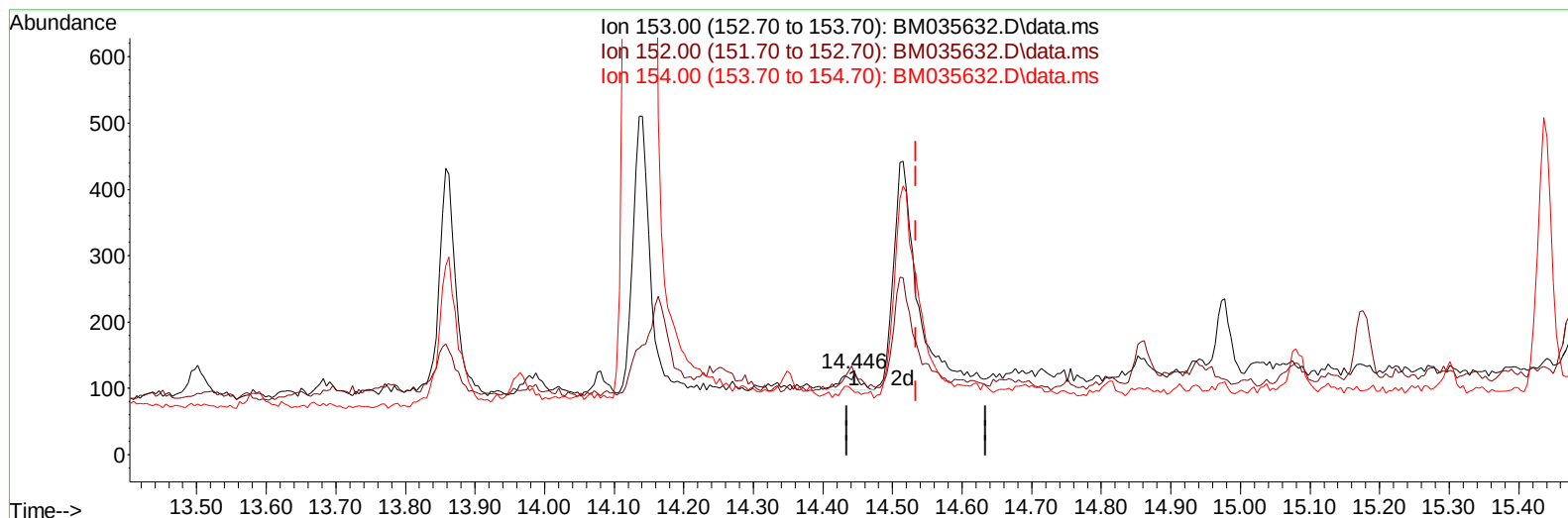
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 01:56:13 2022
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Reviewed By :Jagrut Upadhyay 06/24/2022
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TIC: BM035632.D\data.ms

(11) Acenaphthene (C)

14.446min (-0.089) 0.01 ng/u1

response 44

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	50.00	98.37#
154.00	86.40	76.42
0.00	0.00	0.00

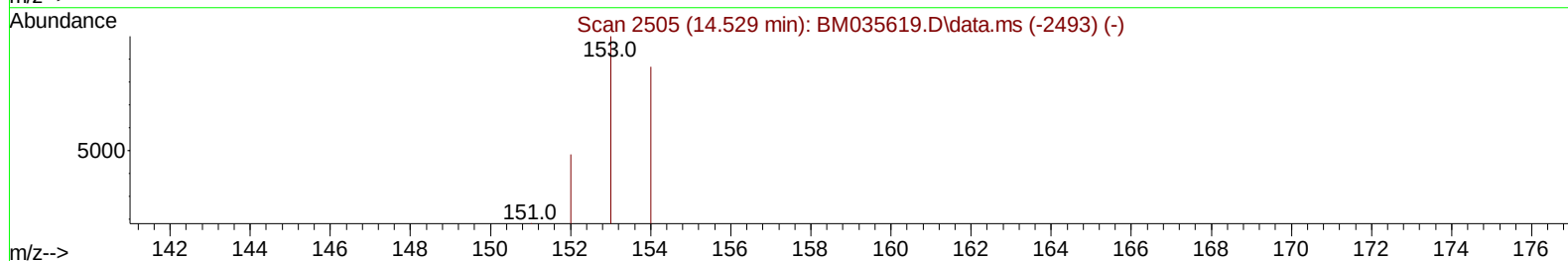
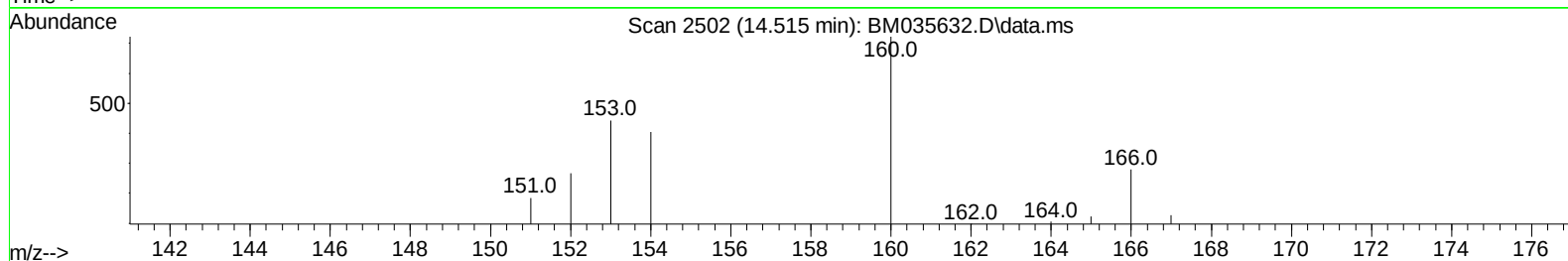
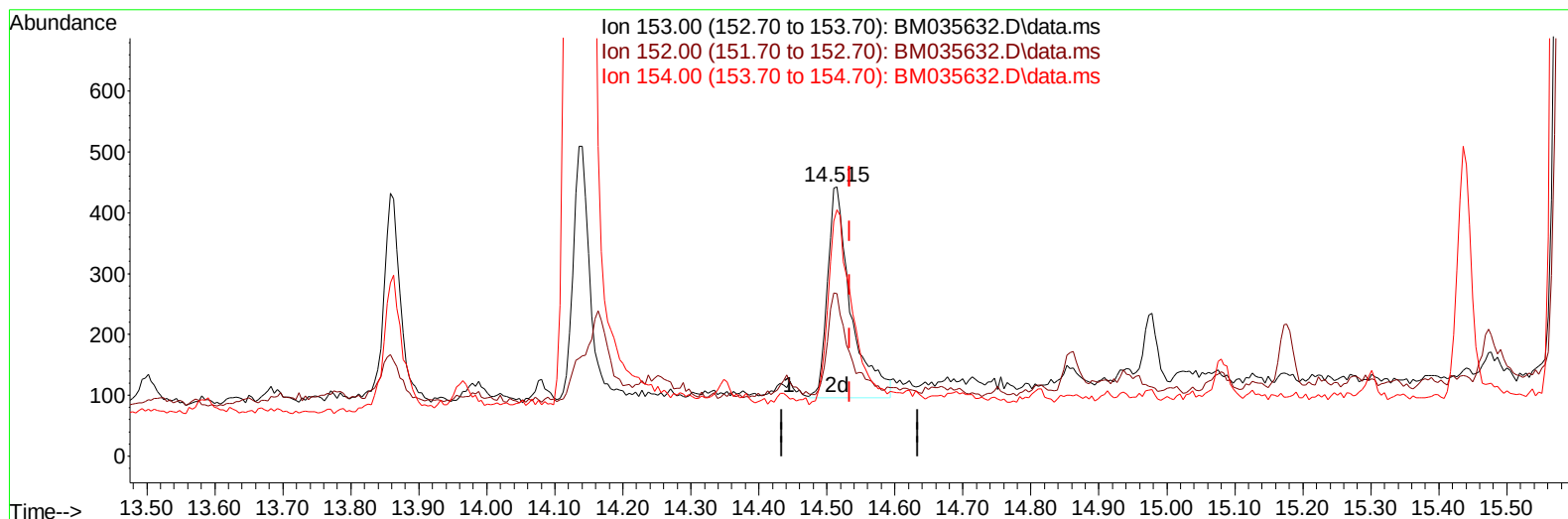
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
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 QLast Update : Mon Jun 20 01:56:13 2022
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Reviewed By :Jagrut Upadhyay 06/24/2022
 Supervised By :Yogesh Patel 06/28/2022



TIC: BM035632.D\data.ms

(11) Acenaphthene (C)

14.515min (-0.019) 0.19 ng/ul m

response 828

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	50.00	60.27#
154.00	86.40	91.42
0.00	0.00	0.00

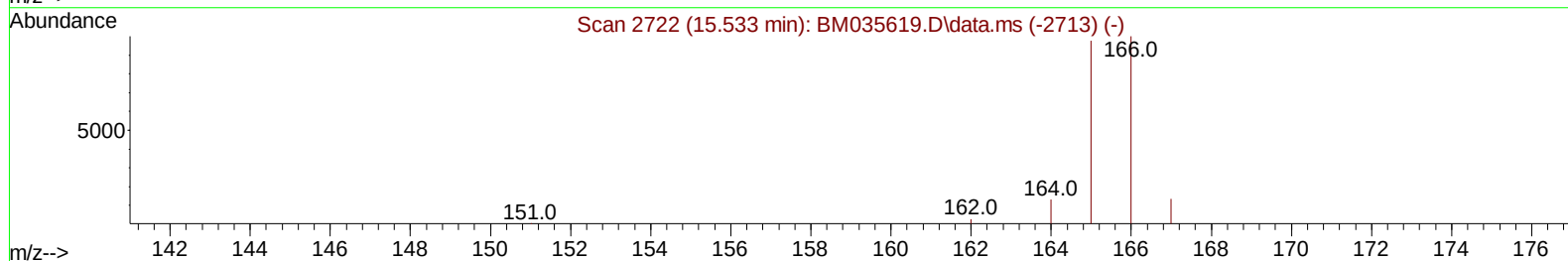
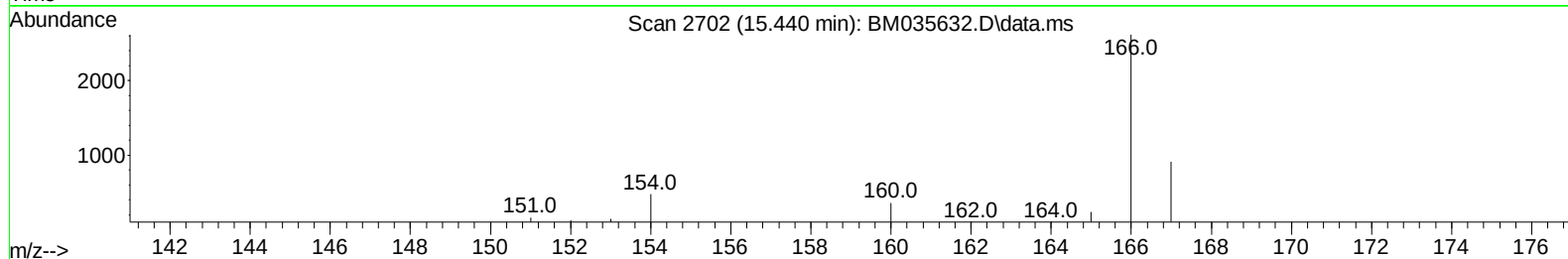
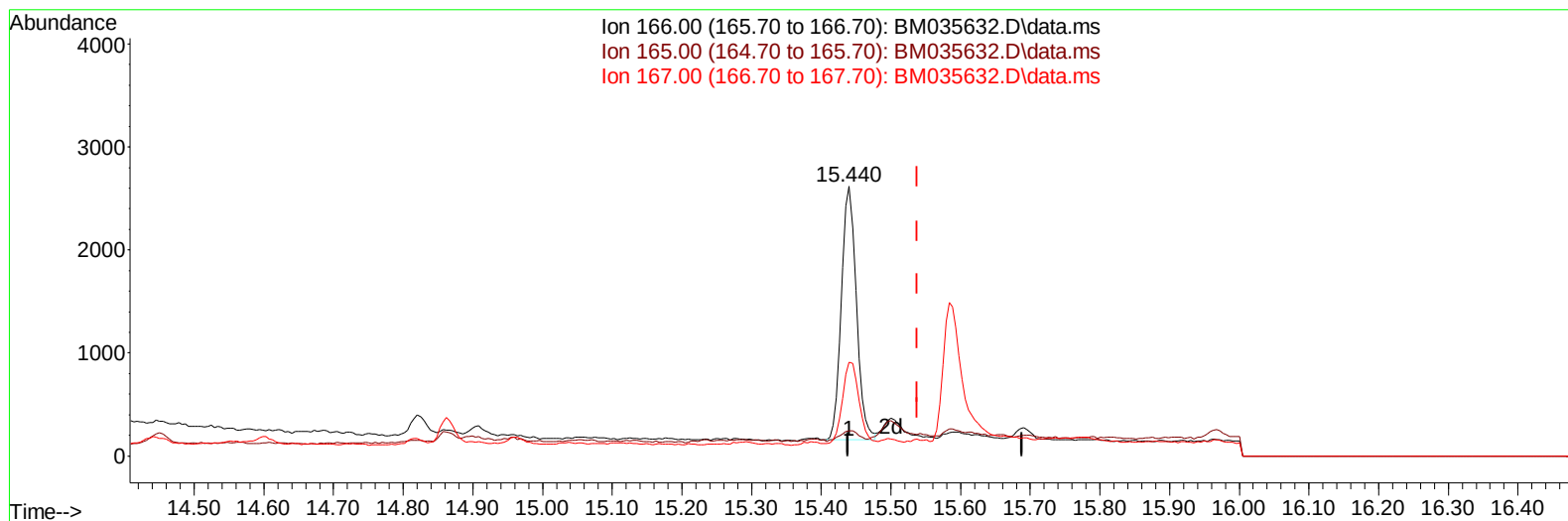
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 01:56:13 2022
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TIC: BM035632.D\data.ms

(12) Fluorene

15.440min (-0.098) 0.75 ng/u1

response 3623

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	98.40	9.25#
167.00	14.50	34.79#
0.00	0.00	0.00

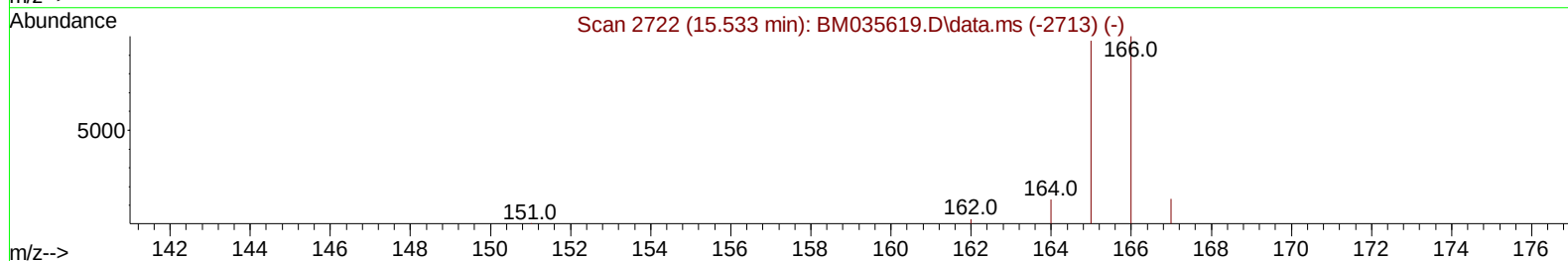
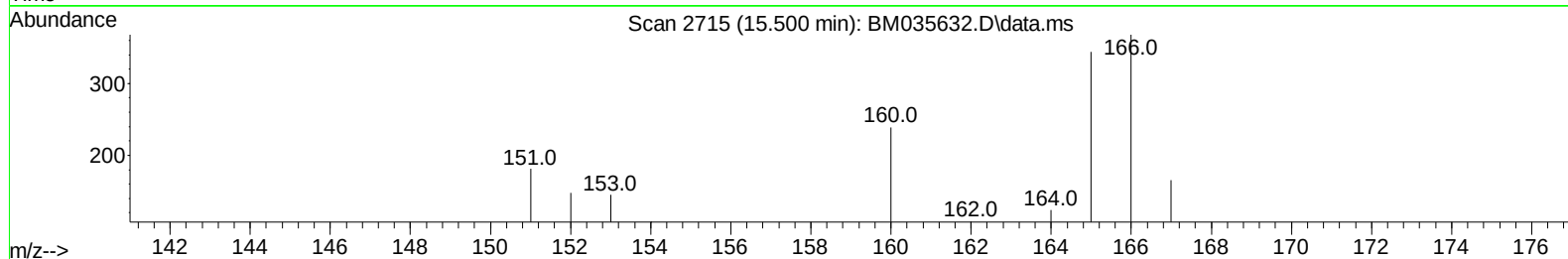
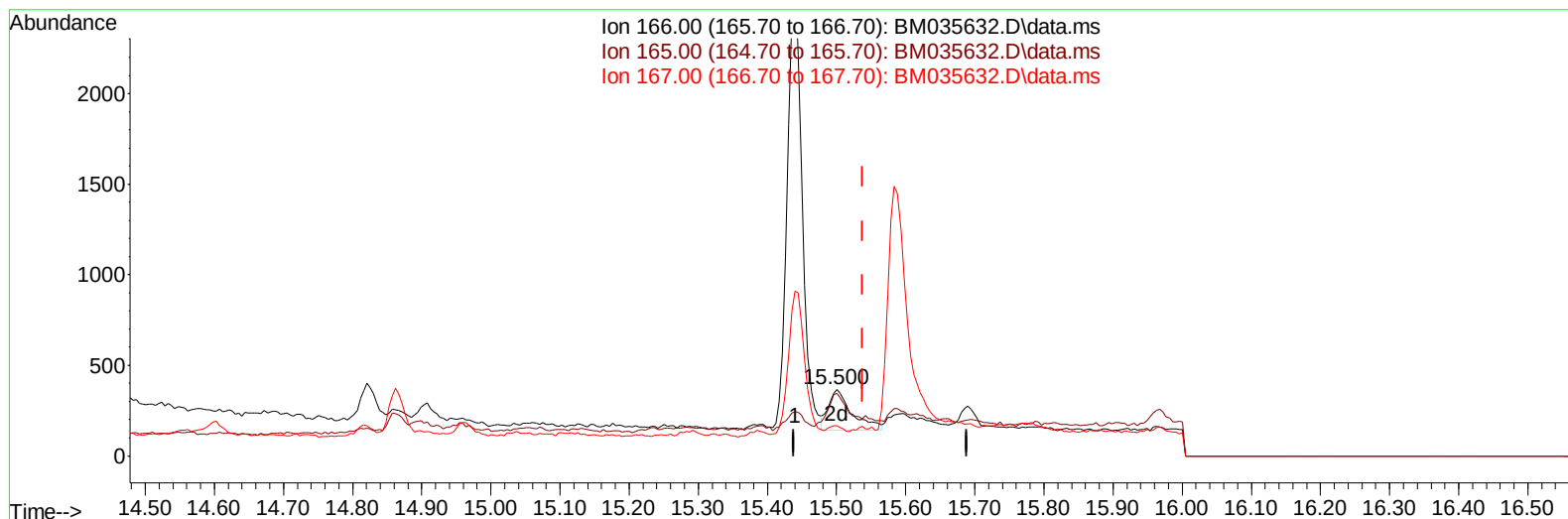
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
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TIC: BM035632.D\data.ms

(12) Fluorene

15.500min (-0.038) 0.11 ng/ul m

response 536

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	98.40	93.48
167.00	14.50	44.84#
0.00	0.00	0.00

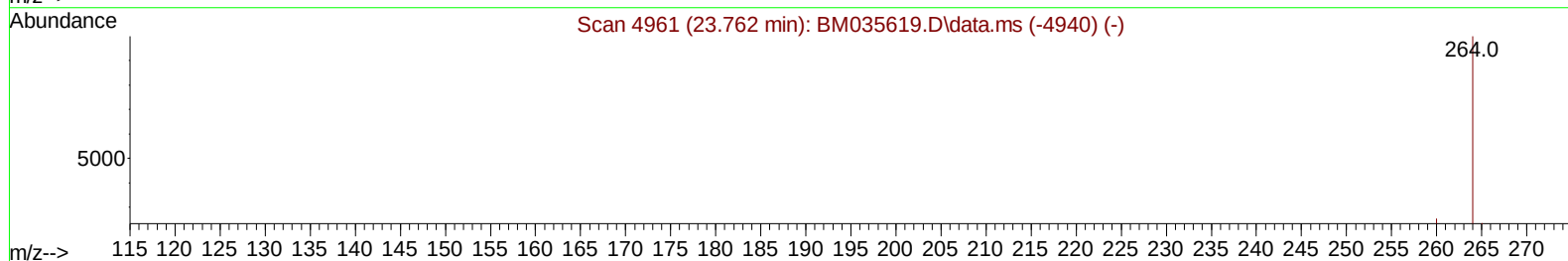
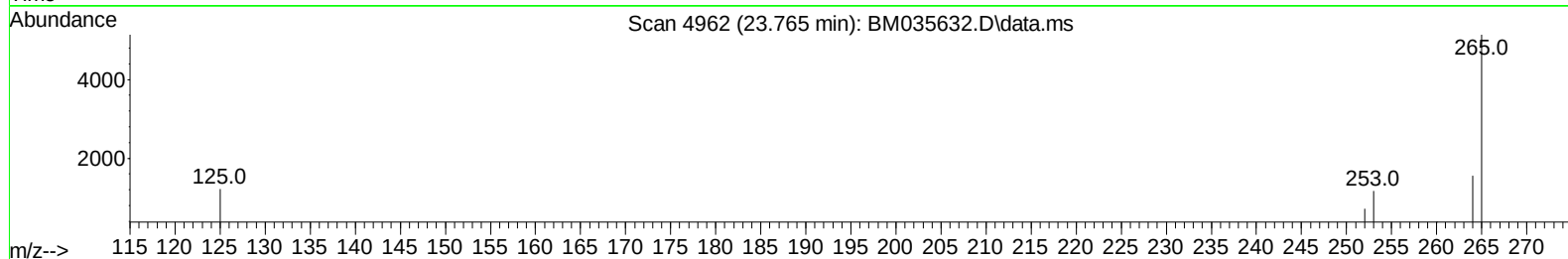
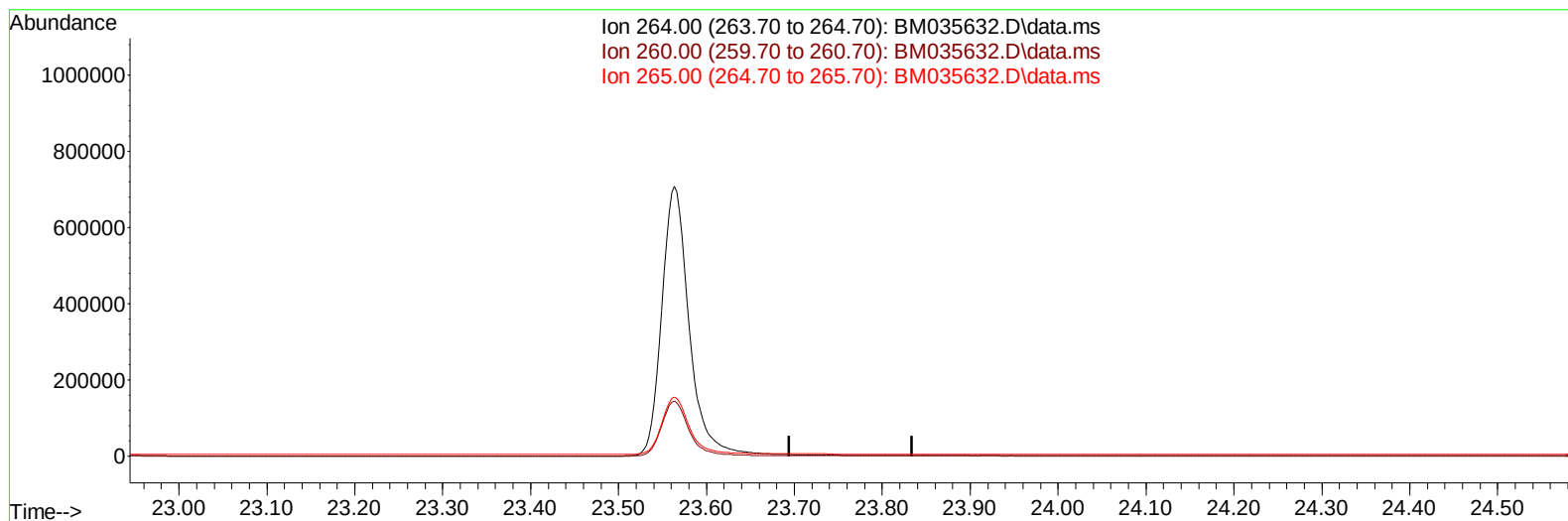
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
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TIC: BM035632.D\data.ms

(23) Perylene-d12 (I)

23.764min (-23.764) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	26.30	0.00#
265.00	123.50	0.00#
0.00	0.00	0.00

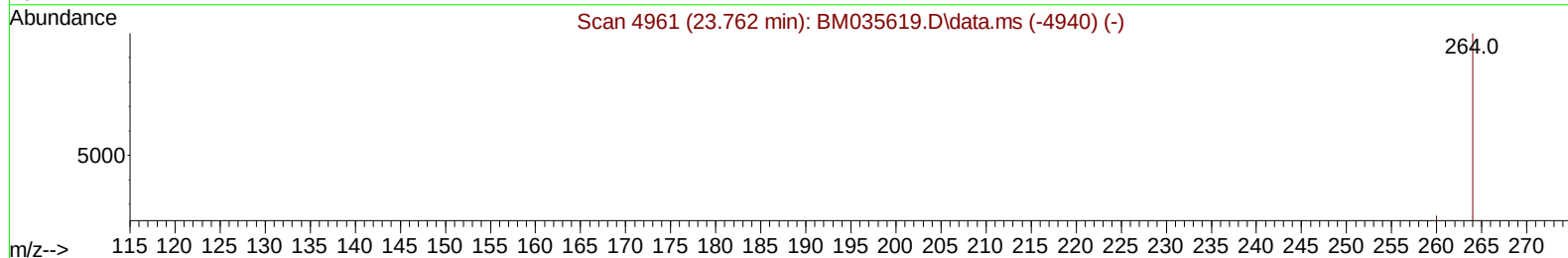
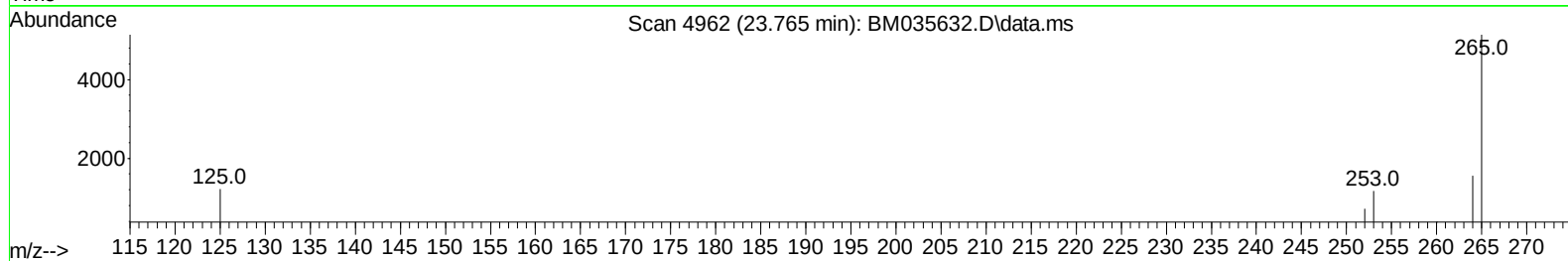
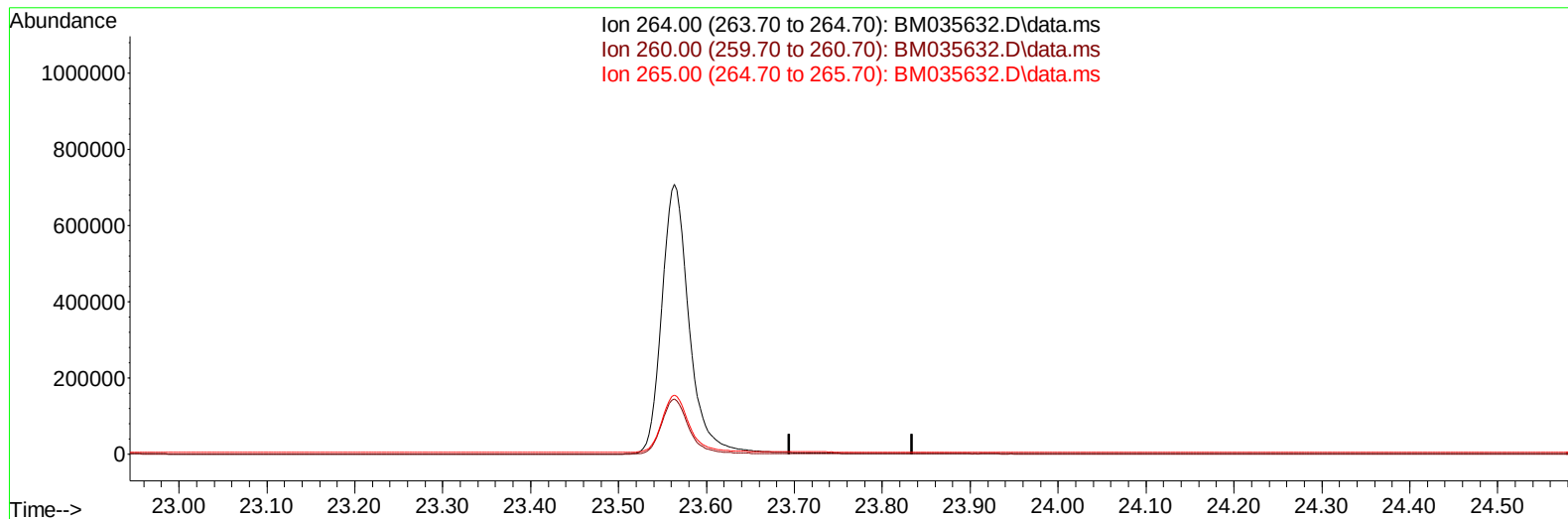
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

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TIC: BM035632.D\data.ms

(23) Perylene-d12 (I)

23.764min (-23.764) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	26.30	0.00#
265.00	123.50	0.00#
0.00	0.00	0.00

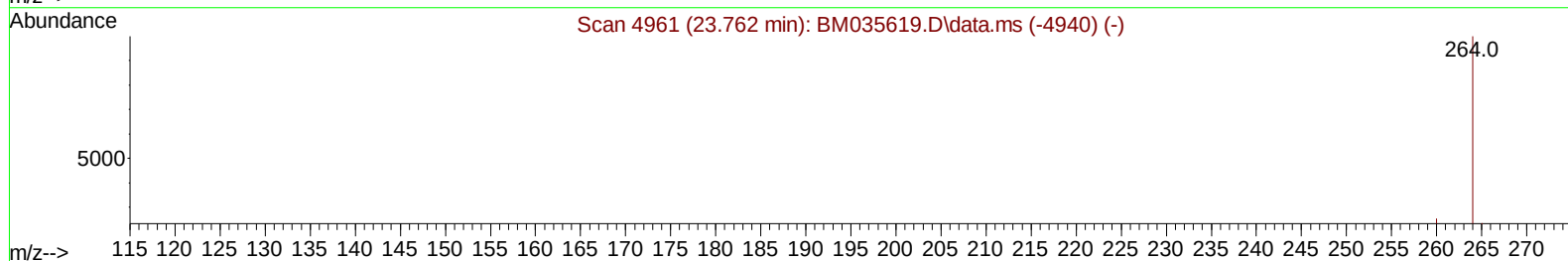
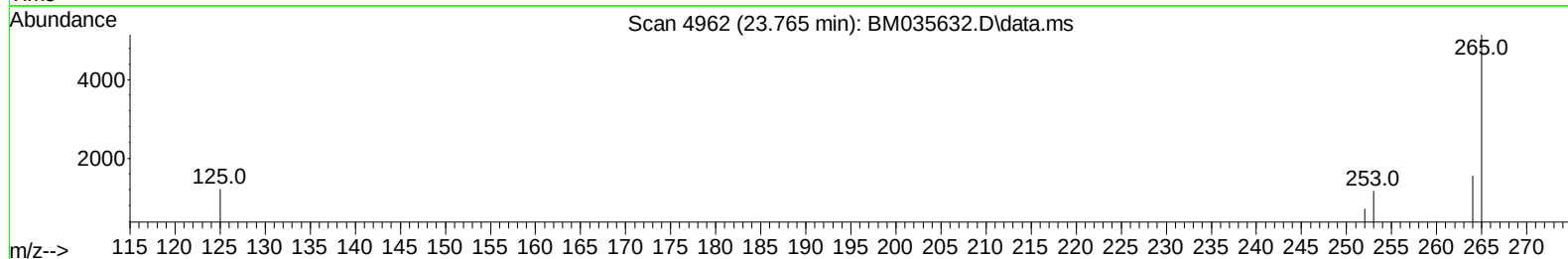
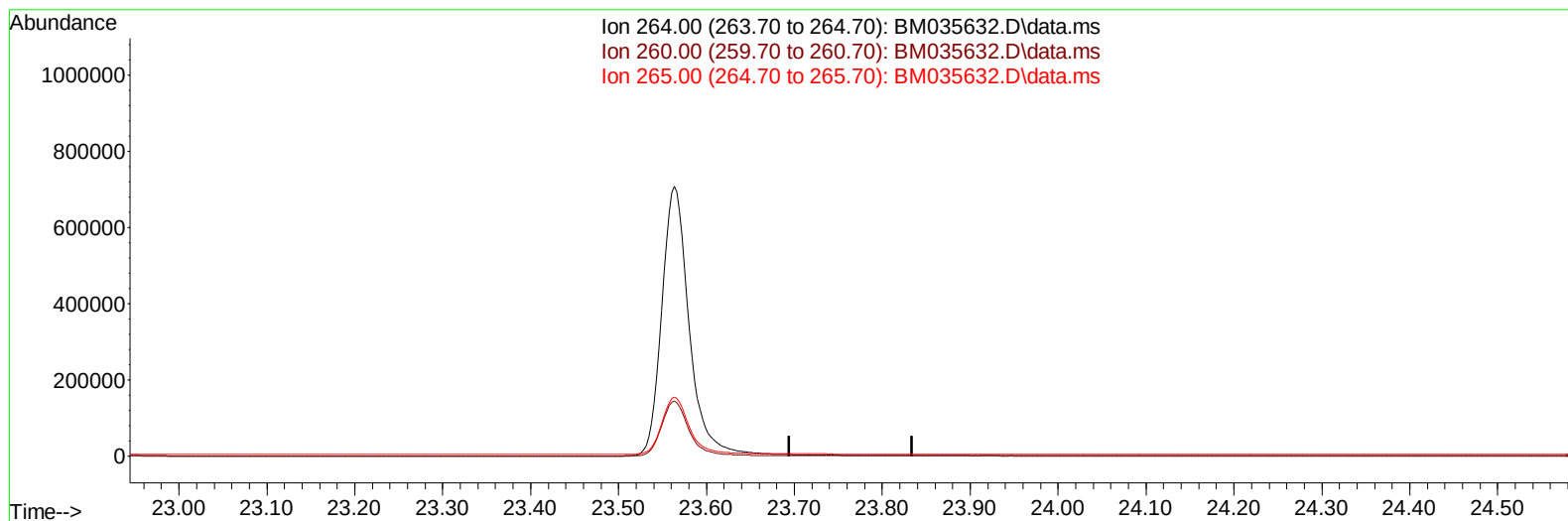
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
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 QLast Update : Mon Jun 20 01:56:13 2022
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/24/2022
 Supervised By :Yogesh Patel 06/28/2022



TIC: BM035632.D\data.ms

(23) Perylene-d12 (I)

23.764min (-23.764) 0.00 ng/ul

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	26.30	0.00#
265.00	123.50	0.00#
0.00	0.00	0.00

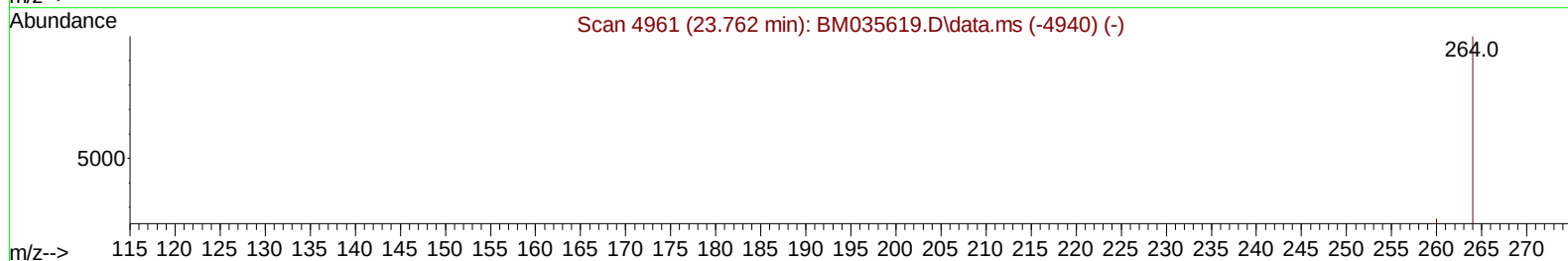
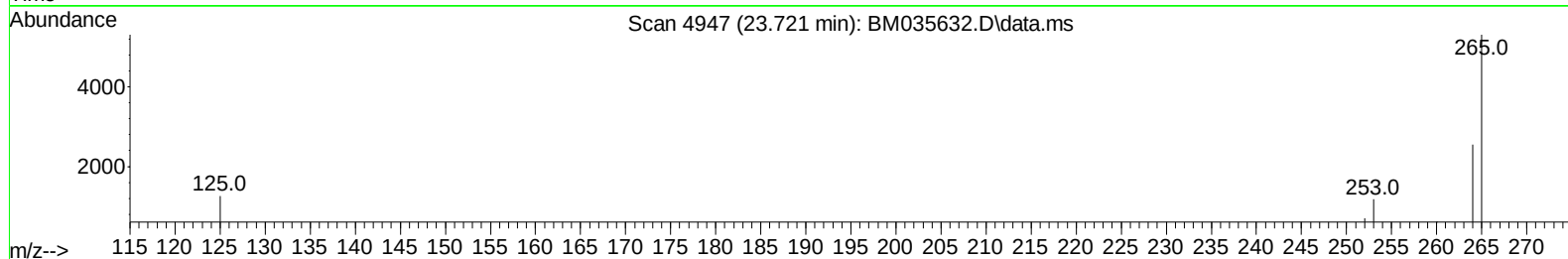
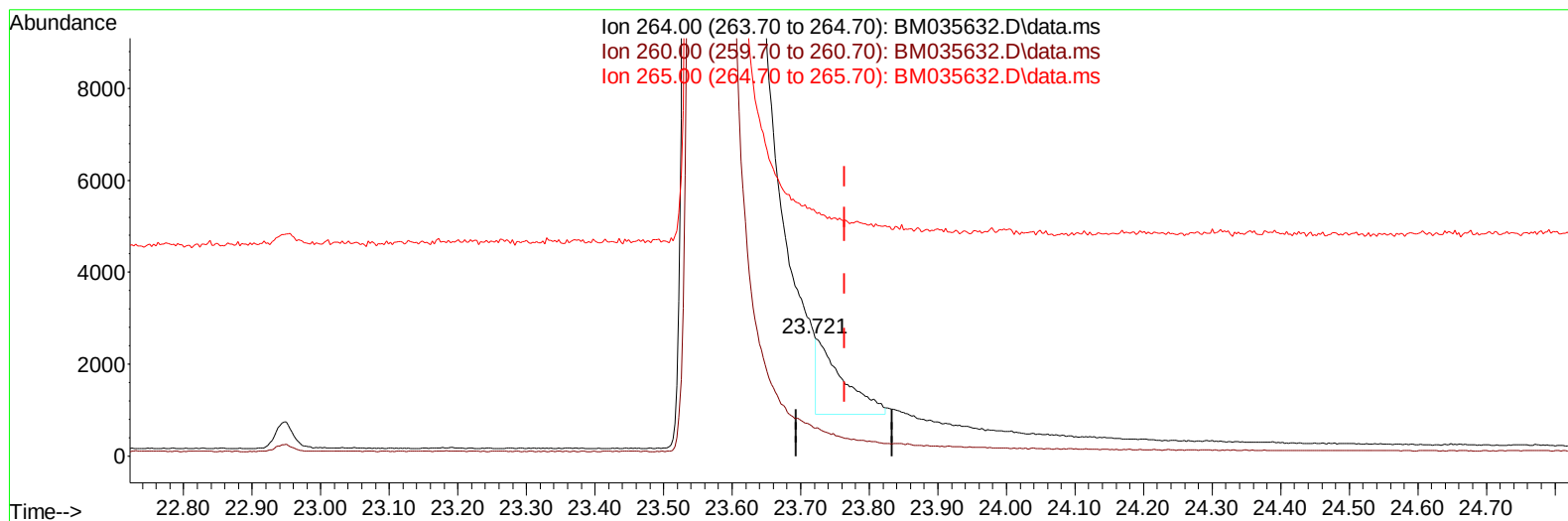
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
Data File : BM035632.D
Acq On : 23 Jun 2022 19:16
Operator : CG/JU
Sample : N3358-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW4S0

Manual IntegrationsAPPROVED

Quant Time: Jun 24 01:36:06 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 01:56:13 2022
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TIC: BM035632.D\data.ms

(23) Perylene-d12 (I)

23.721min (-0.043) 0.40 ng/ul m

response 4341

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.30	23.50
265.00	123.50	207.94#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
 Data File : BM035632.D
 Acq On : 23 Jun 2022 19:16
 Operator : CG/JU
 Sample : N3358-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW4S0

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/24/2022
 Supervised By :Yogesh Patel 06/28/2022

Quant Time: Jun 24 01:36:06 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM061822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 01:56:13 2022
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.842	152		6	0.400	ng/ul	#-0.02
4) Naphthalene-d8	10.556	136		6889m	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.450	164		1019m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.199	188		1026	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.409	240		834	0.400	ng/ul	# 0.00
23) Perylene-d12	23.721	264		4341m	0.400	ng/ul	-0.04
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.264	96		31839	3771.410	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.211	152		11151	1.089	ng/ul	-0.03
18) Fluoranthene-d10	19.233	212		20315	7.251	ng/ul	-0.02
Target Compounds							
							Qvalue
2) 1,4-Dioxane	3.302	88		277	32.958	ng/ul#	82
11) Acenaphthene	14.515	153		828m	0.195	ng/ul	
12) Fluorene	15.500	166		536m	0.112	ng/ul	
15) Phenanthrene	17.237	178		851	0.226	ng/ul#	53
16) Anthracene	17.326	178		695	0.211	ng/ul#	39
19) Fluoranthene	19.266	202		959	0.225	ng/ul#	39
21) Benzo(a)anthracene	21.401	228		586	0.186	ng/ul#	55
22) Chrysene	21.447	228		838	0.223	ng/ul#	55
25) Benzo(k)fluoranthene	23.075	252		468	0.024	ng/ul#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062322\
Data File : BM035632.D
Acq On : 23 Jun 2022 19:16
Operator : CG/JU
Sample : N3358-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW4S0

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