

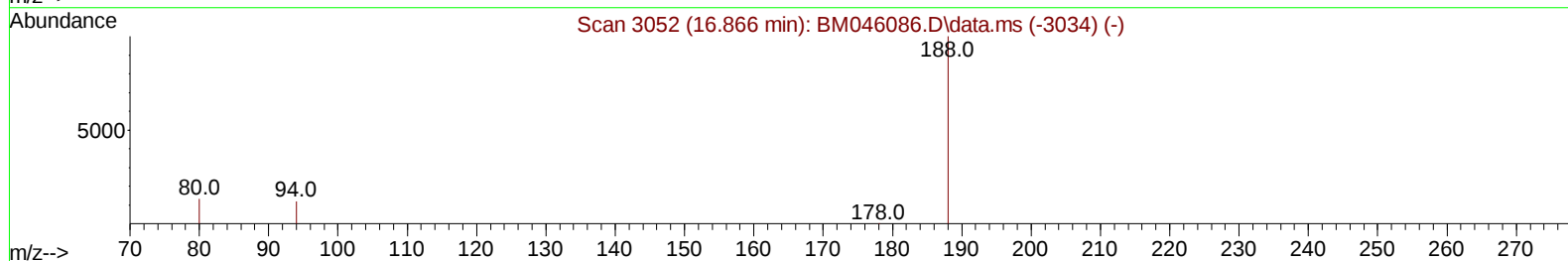
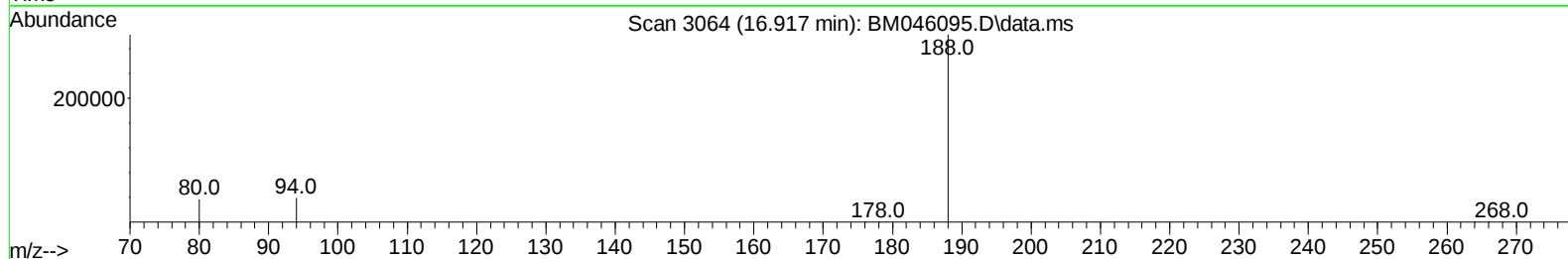
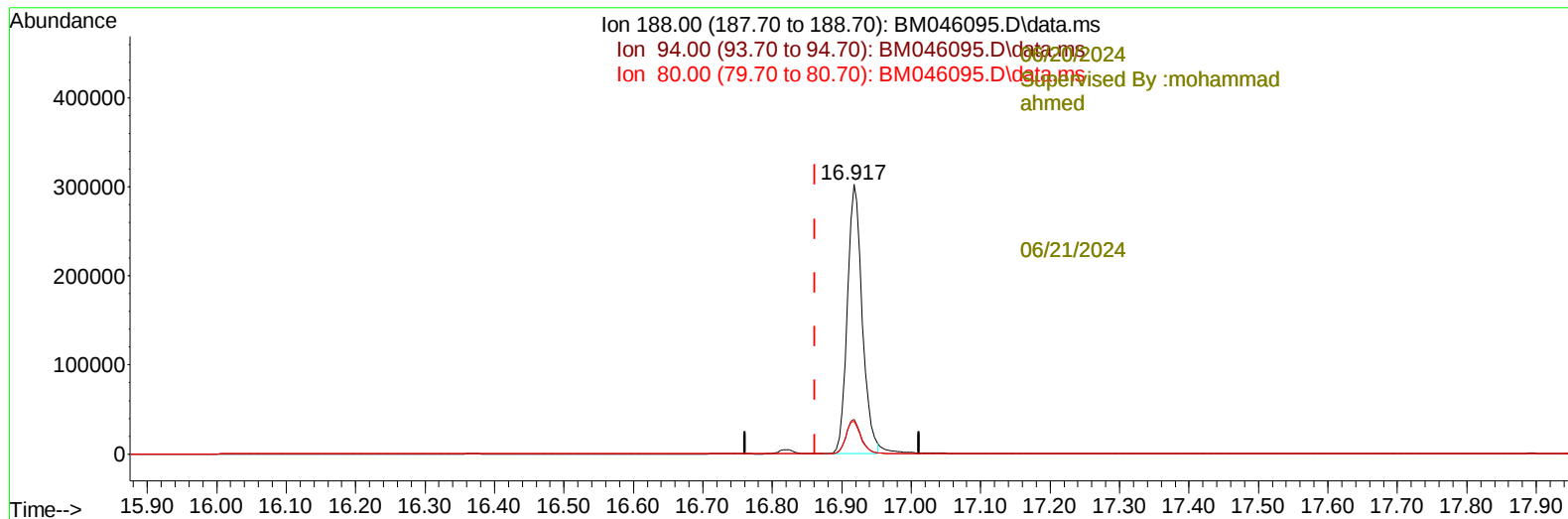
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut
Upadhyay



TIC: BM046095.D\data.ms

(13) Phenanthrene-d10 (I)

16.917min (+ 0.056) 0.40 ng/u1

response 450564

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.76
80.00	15.20	12.13#
0.00	0.00	0.00

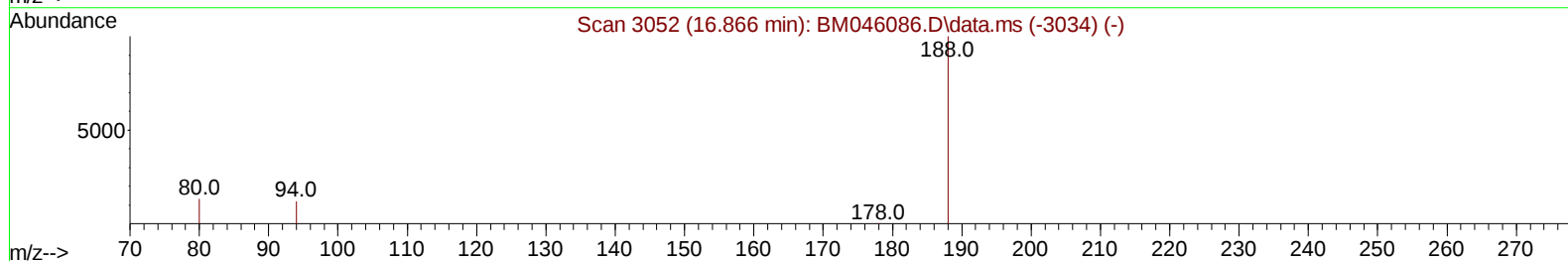
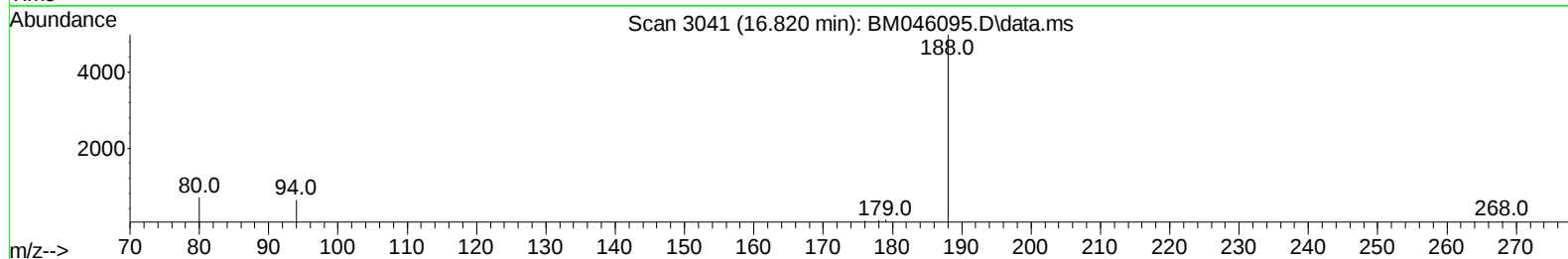
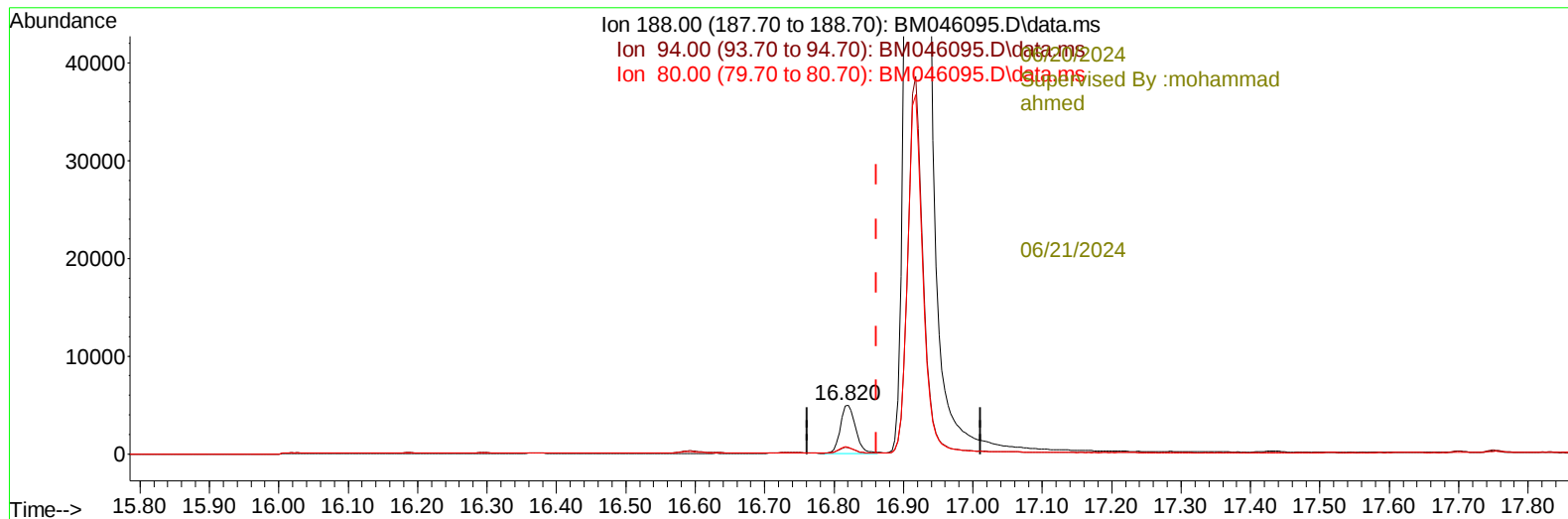
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut
Upadhyay



TIC: BM046095.D\data.ms

(13) Phenanthrene-d10 (I)

16.820min (-0.041) 0.40 ng/ul m

response 7529

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.91
80.00	15.20	14.19
0.00	0.00	0.00

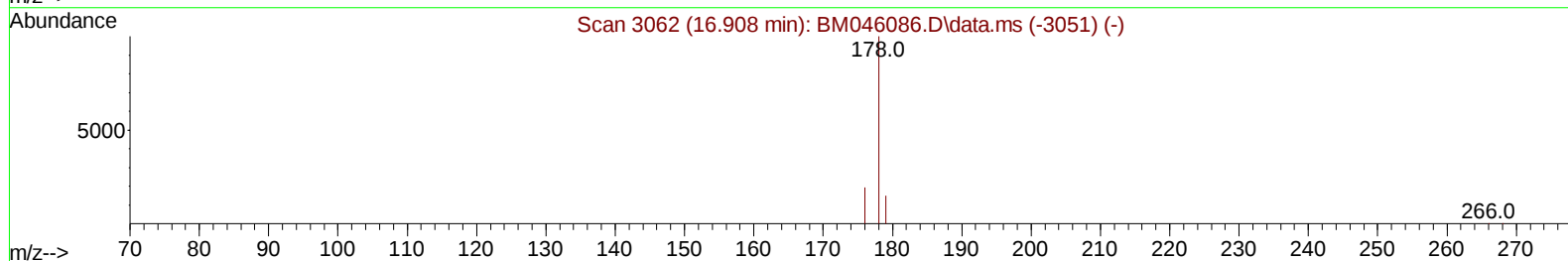
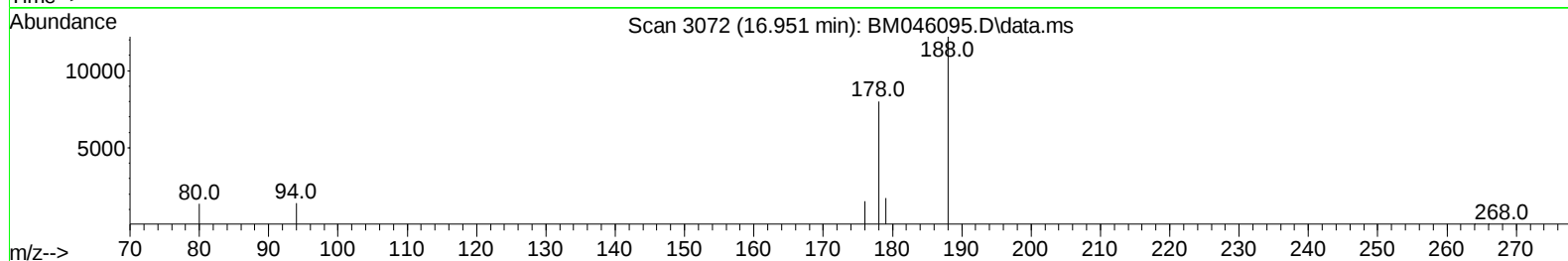
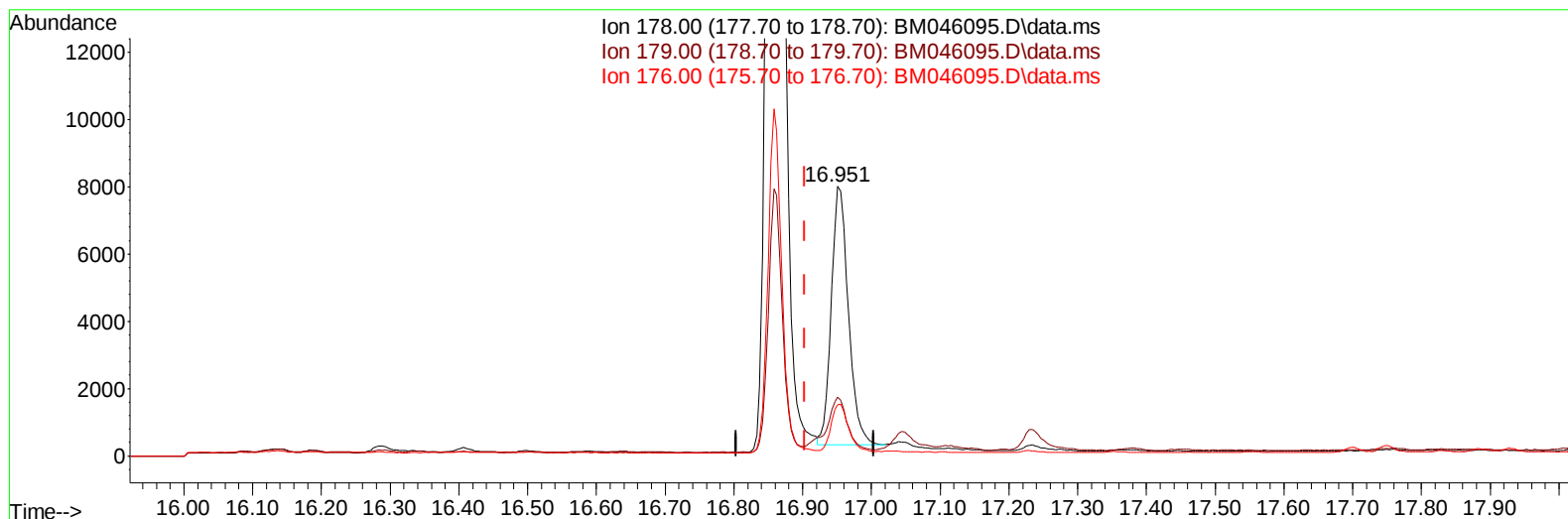
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046095.D
 Acq On : 19 Jun 2024 20:41
 Operator : MA/JU
 Sample : P2695-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(15) Phenanthrene

16.951min (+ 0.048) 0.63 ng/u1

response 13226

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	21.93#
176.00	21.40	19.09
0.00	0.00	0.00

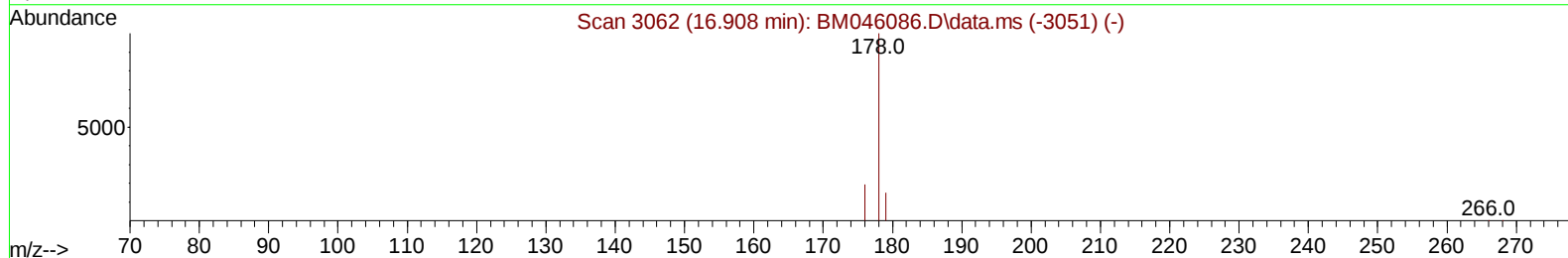
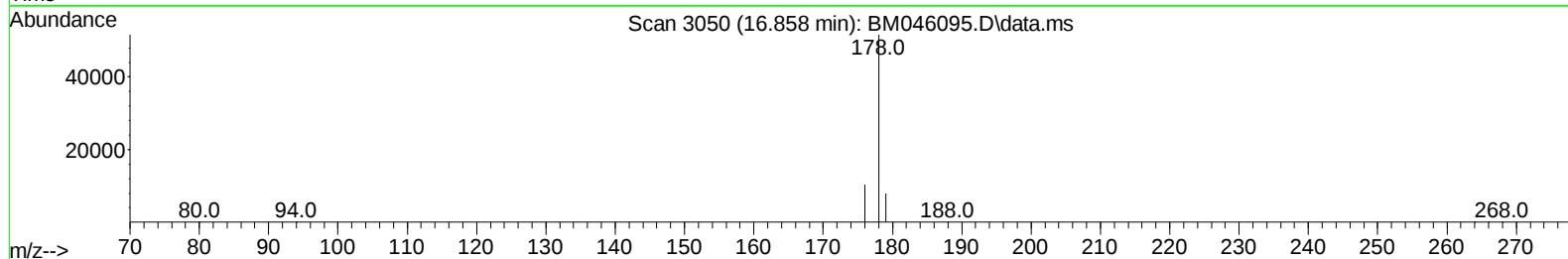
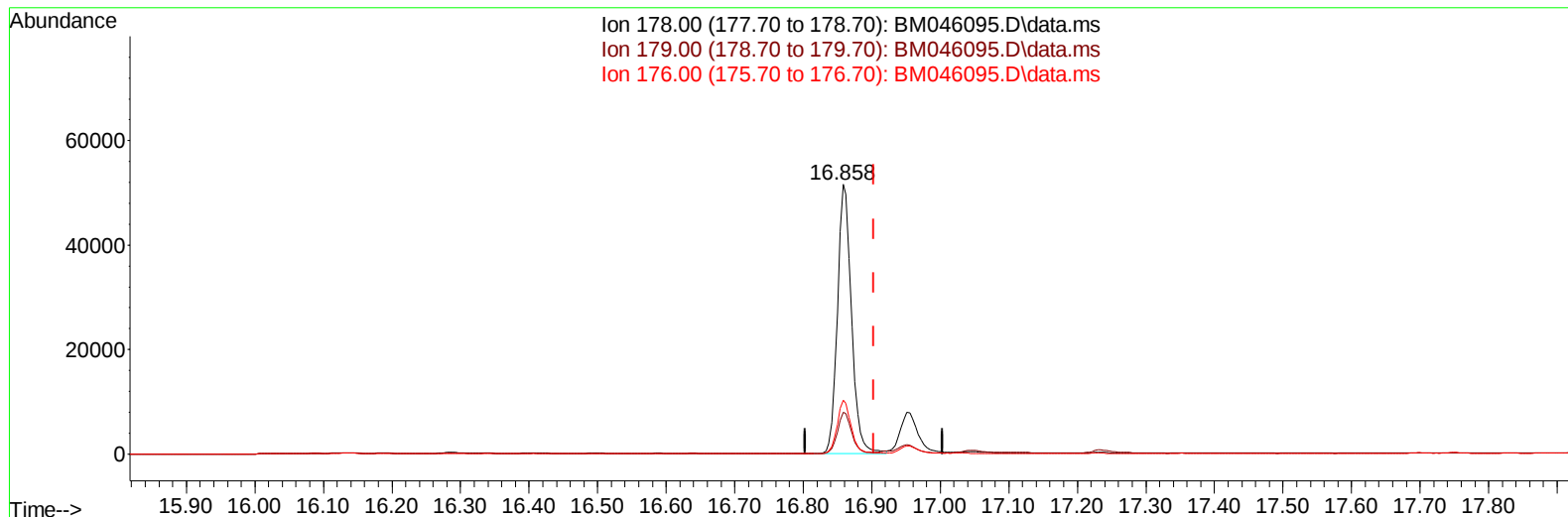
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(15) Phenanthrene

16.858min (-0.045) 3.46 ng/u1 m

response 73201

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.39
176.00	21.40	20.00
0.00	0.00	0.00

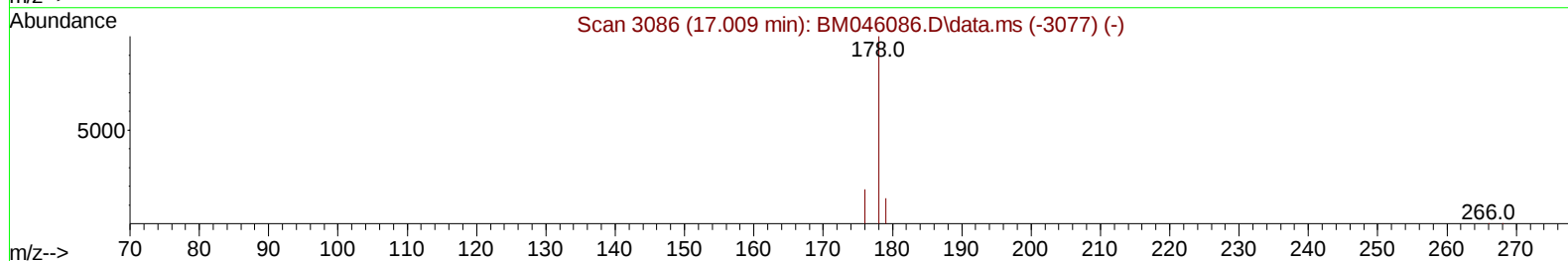
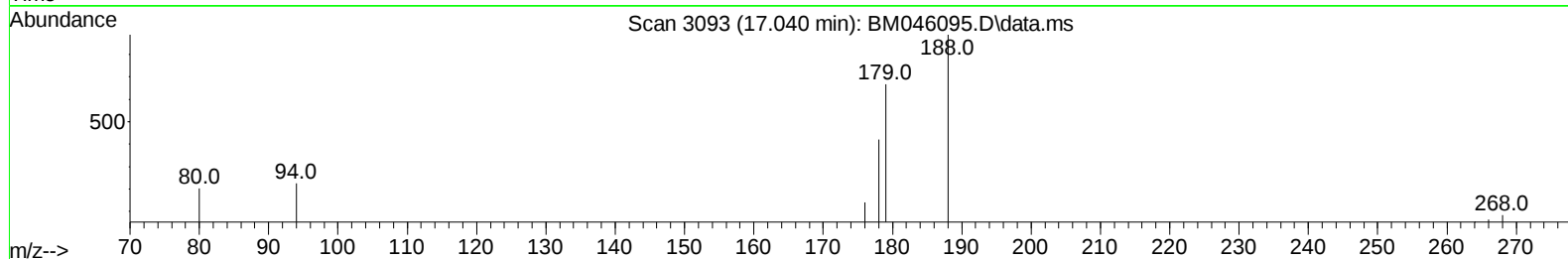
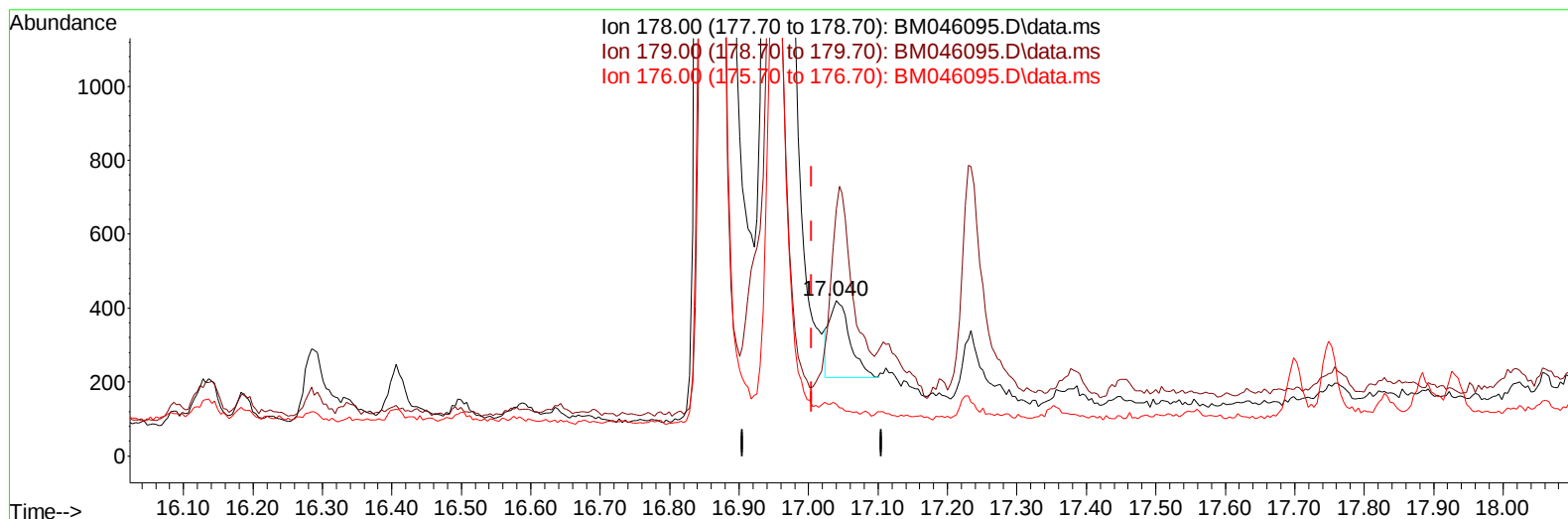
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
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QLast Update : Tue Jun 18 13:58:29 2024
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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(16) Anthracene

17.040min (+ 0.035) 0.03 ng/u1

response 430

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	158.67#
176.00	21.20	33.49#
0.00	0.00	0.00

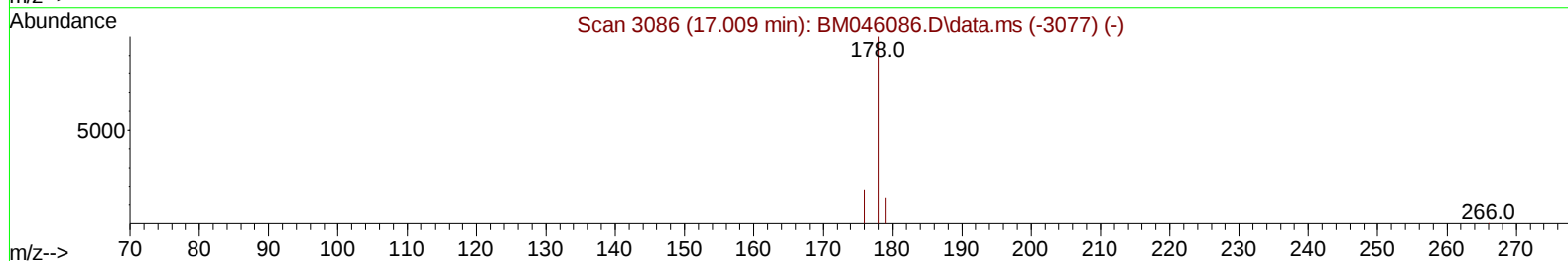
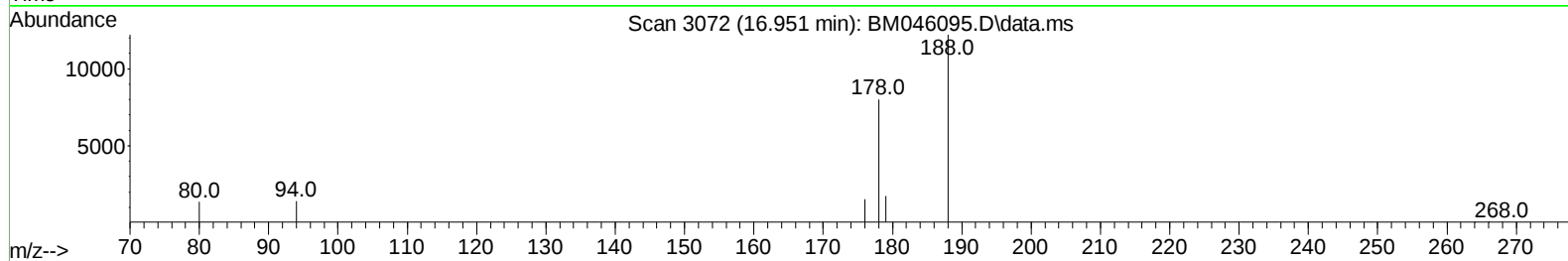
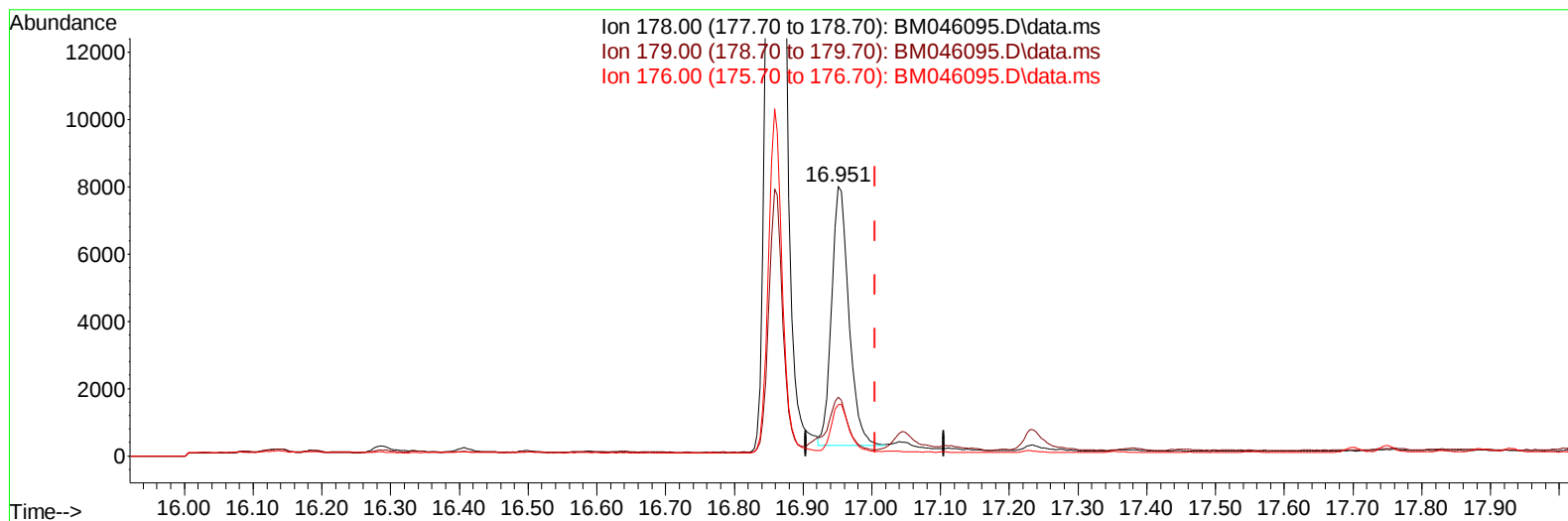
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(16) Anthracene

16.951min (-0.054) 0.85 ng/ul m

response 13313

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	21.93
176.00	21.20	19.09
0.00	0.00	0.00

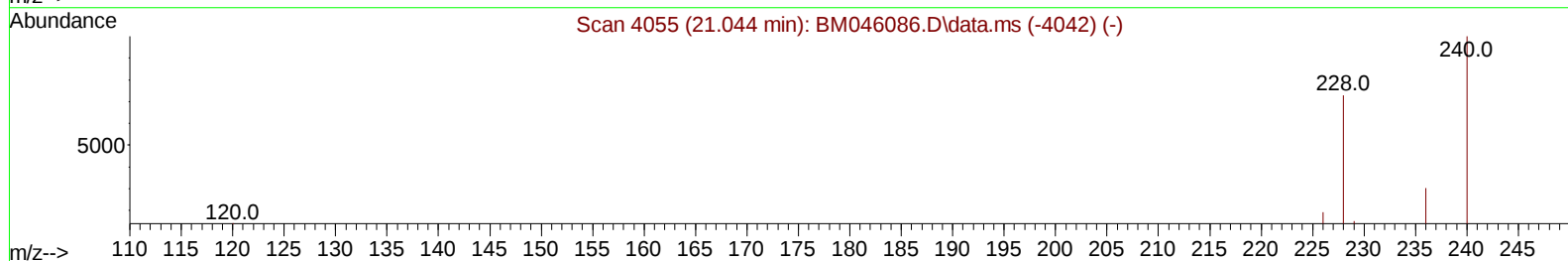
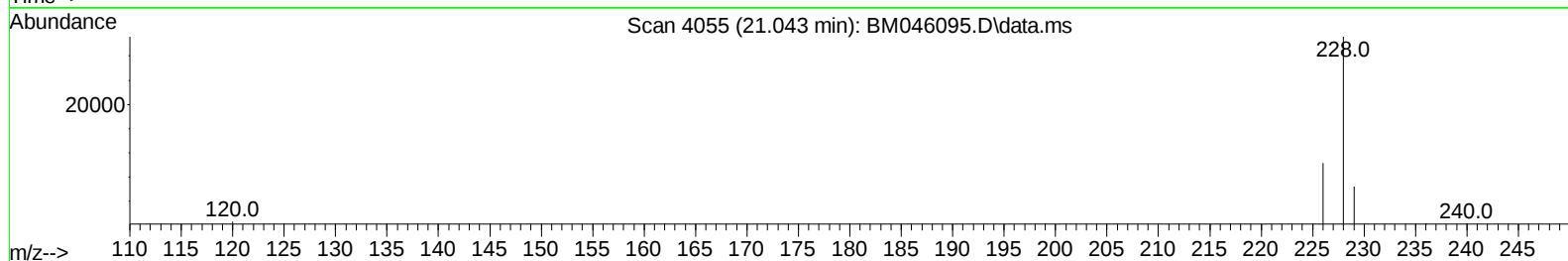
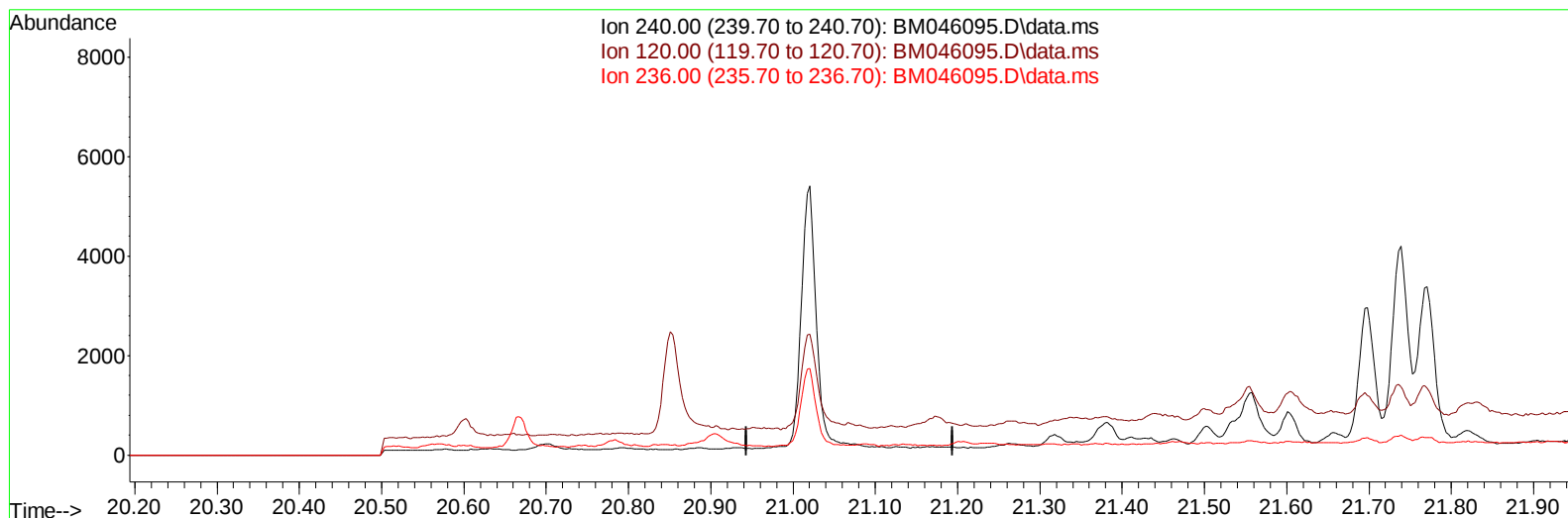
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(17) Chrysene-d12

21.044min (-21.044) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	23.50	0.00#
236.00	33.60	0.00#
0.00	0.00	0.00

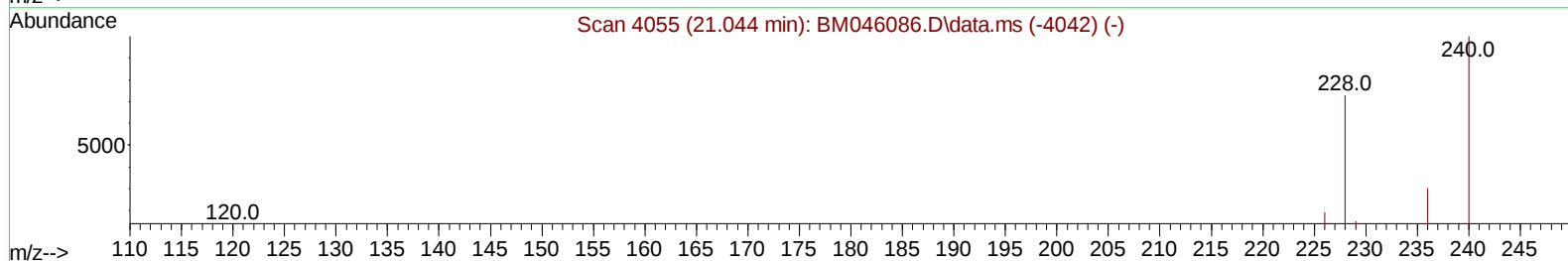
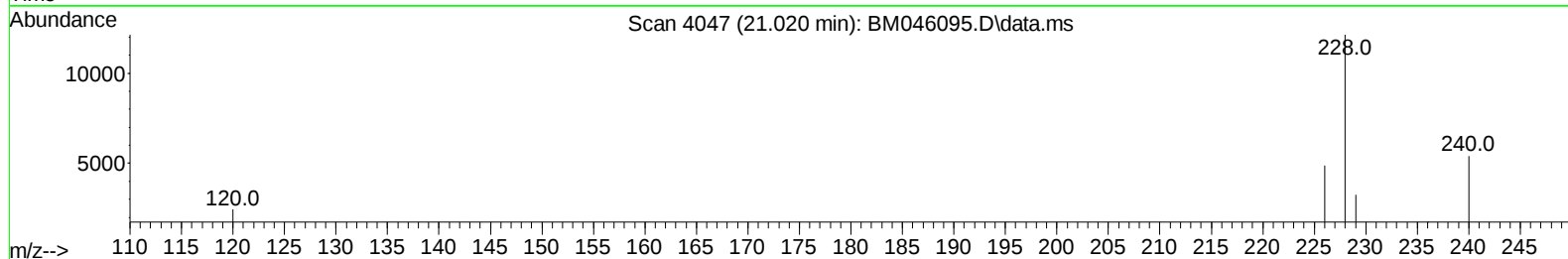
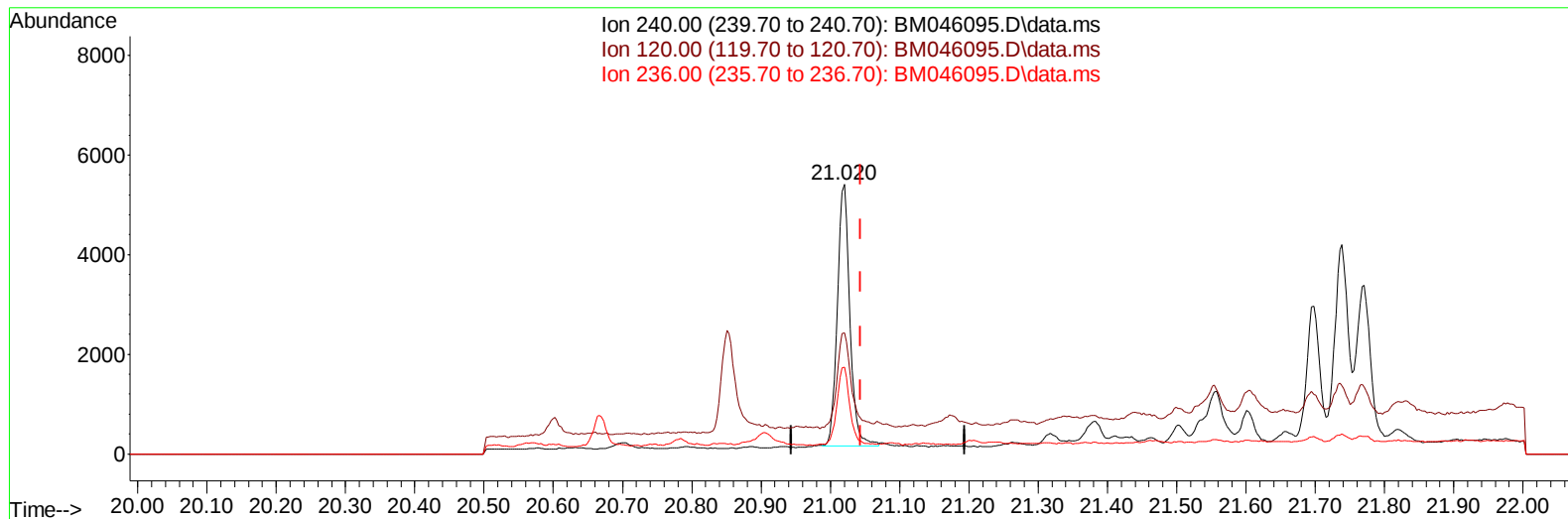
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(17) Chrysene-d12

21.020min (-0.024) 0.40 ng/u1 m

response 6559

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	45.03#
236.00	33.60	32.08
0.00	0.00	0.00

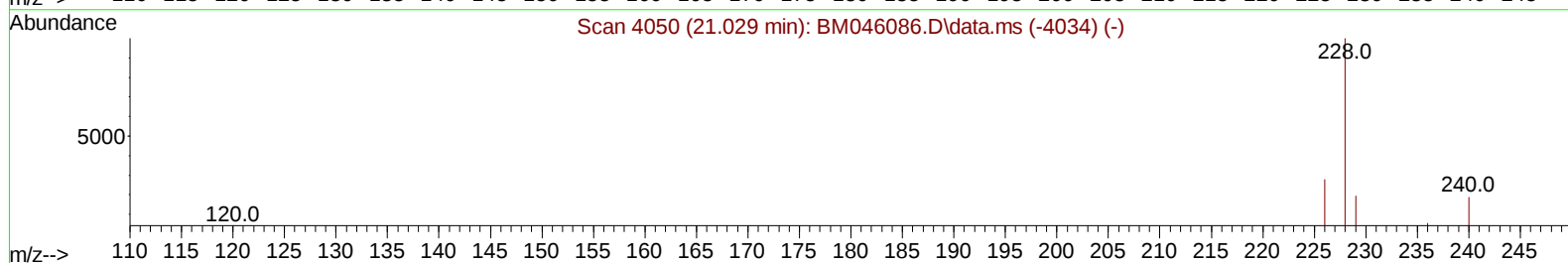
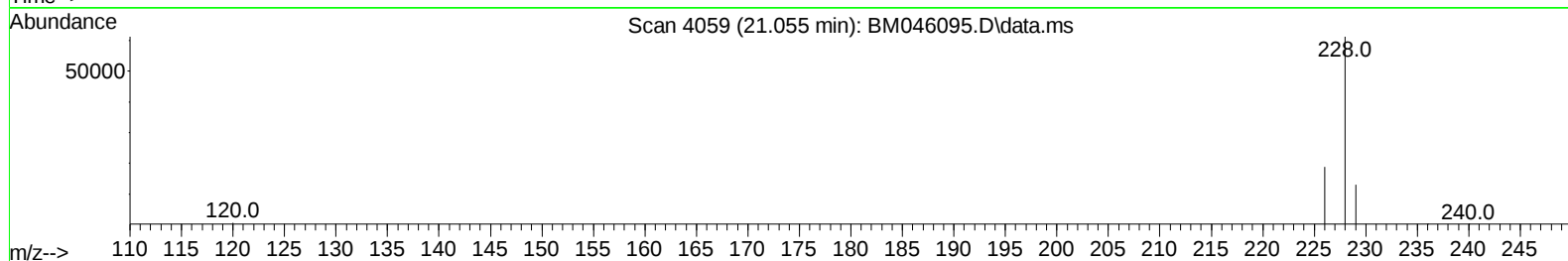
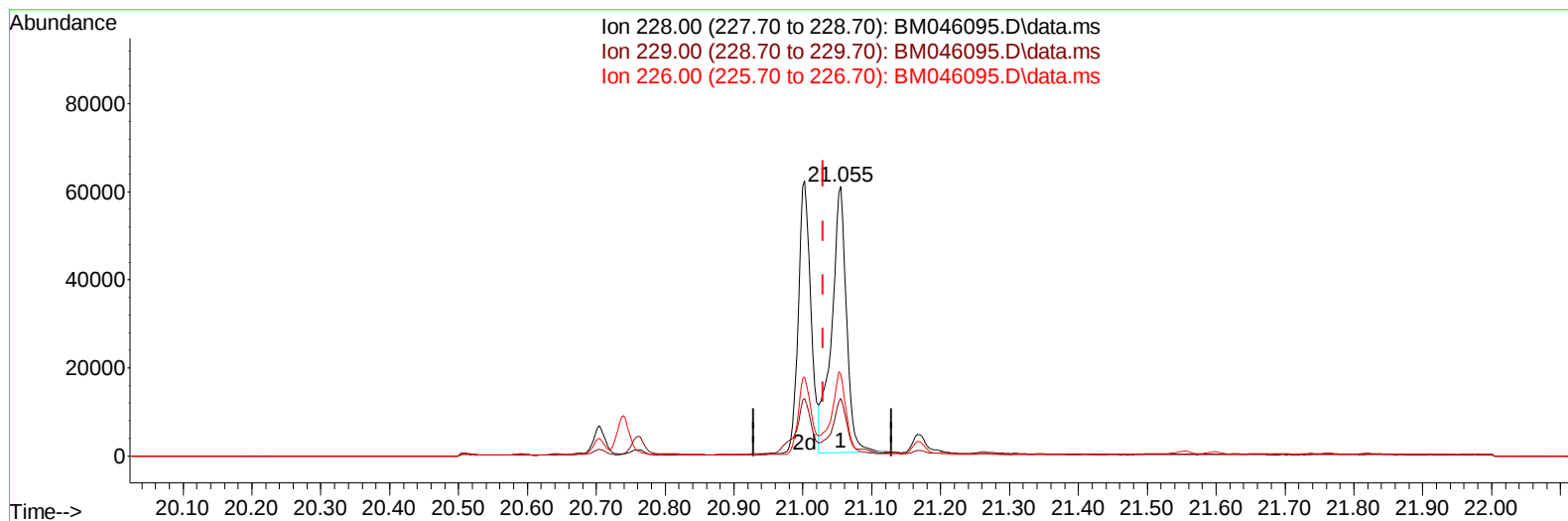
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(21) Benzo(a)anthracene

21.055min (+ 0.026) 3.59 ng/u1

response 90868

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.41
226.00	29.30	30.65
0.00	0.00	0.00

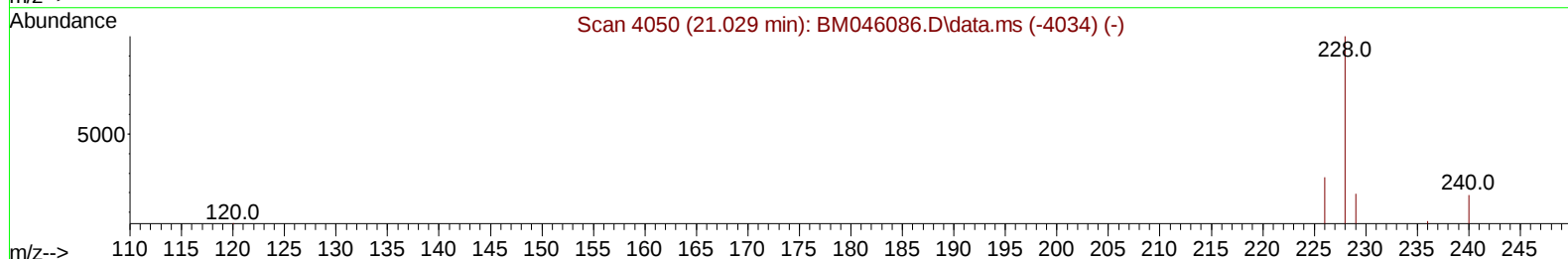
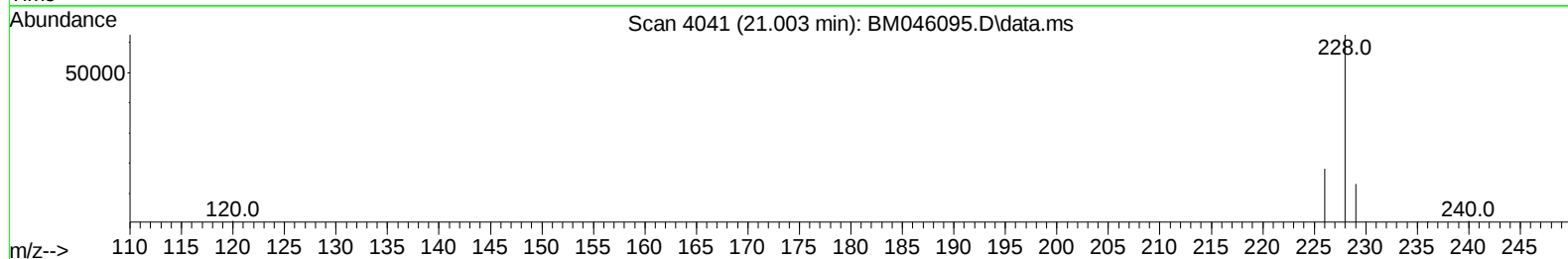
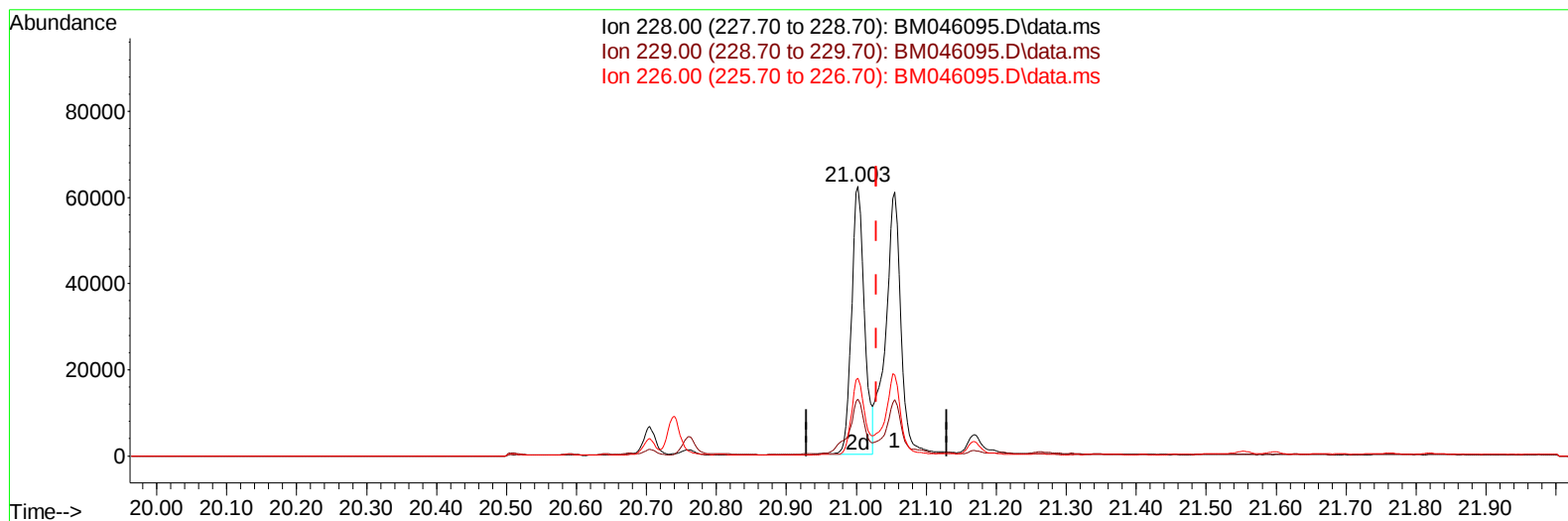
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(21) Benzo(a)anthracene

21.003min (-0.027) 3.12 ng/u1 m

response 78920

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.02
226.00	29.30	28.82
0.00	0.00	0.00

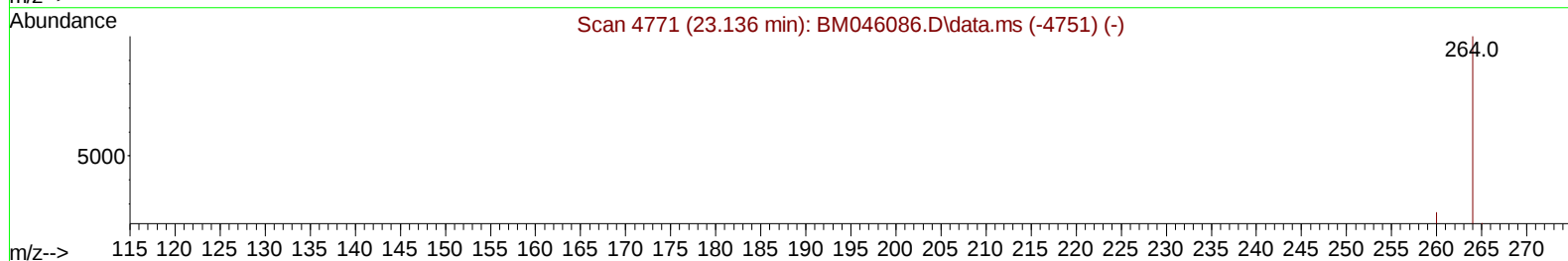
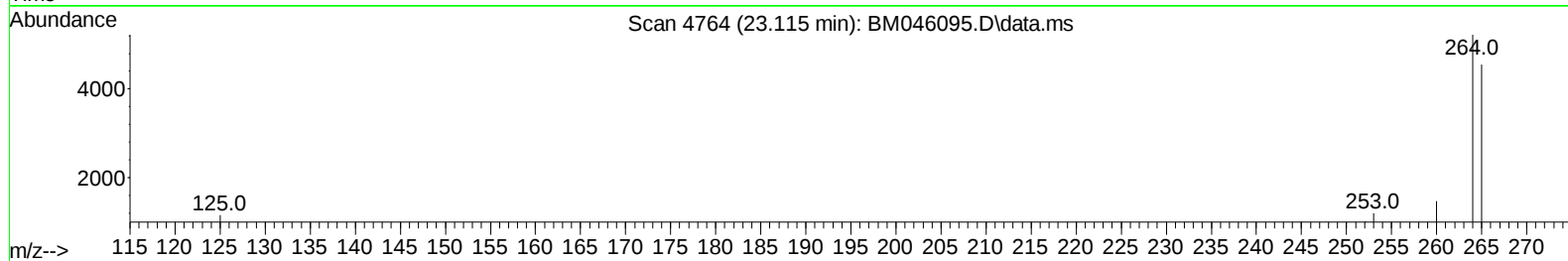
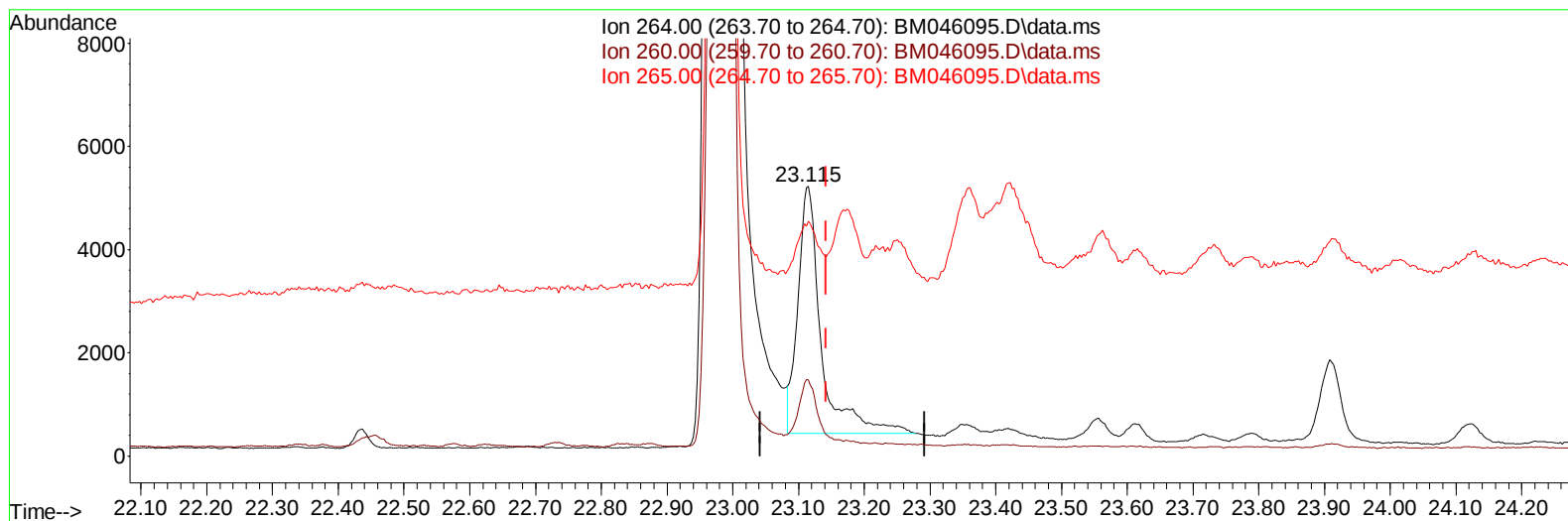
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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QLast Update : Tue Jun 18 13:58:29 2024
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TIC: BM046095.D\data.ms

(23) Perylene-d12 (I)

23.115min (-0.027) 0.40 ng/u1

response 11749

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.16
265.00	110.60	87.02#
0.00	0.00	0.00

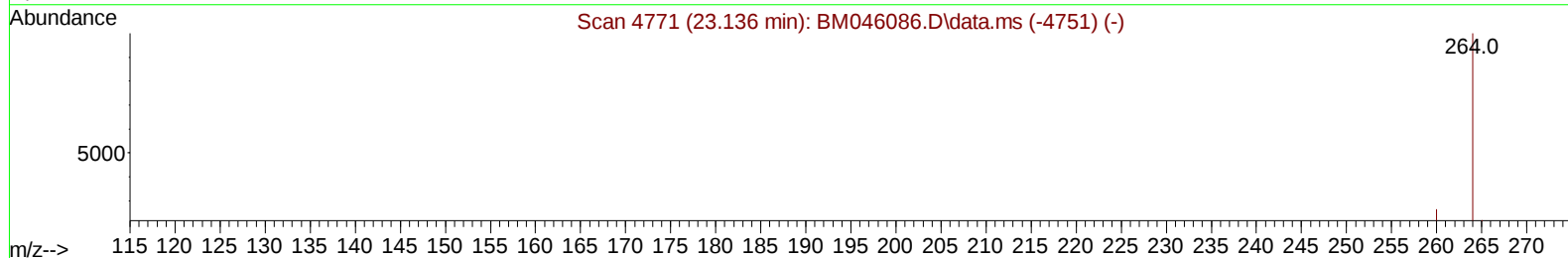
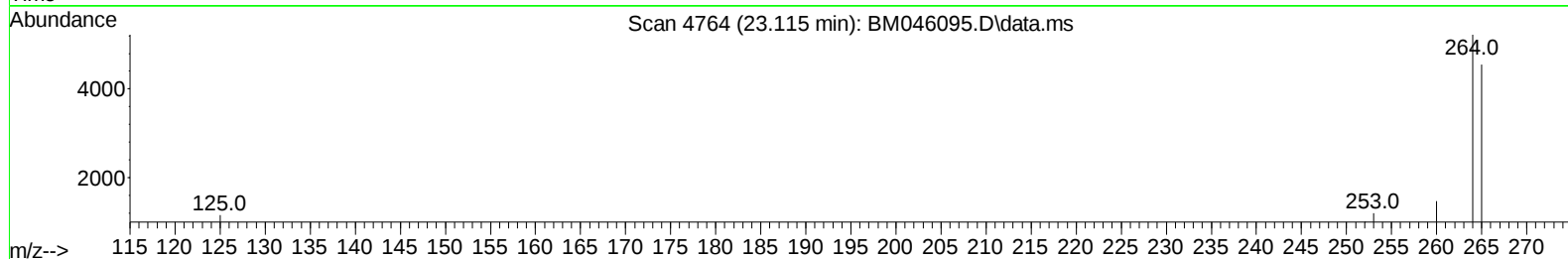
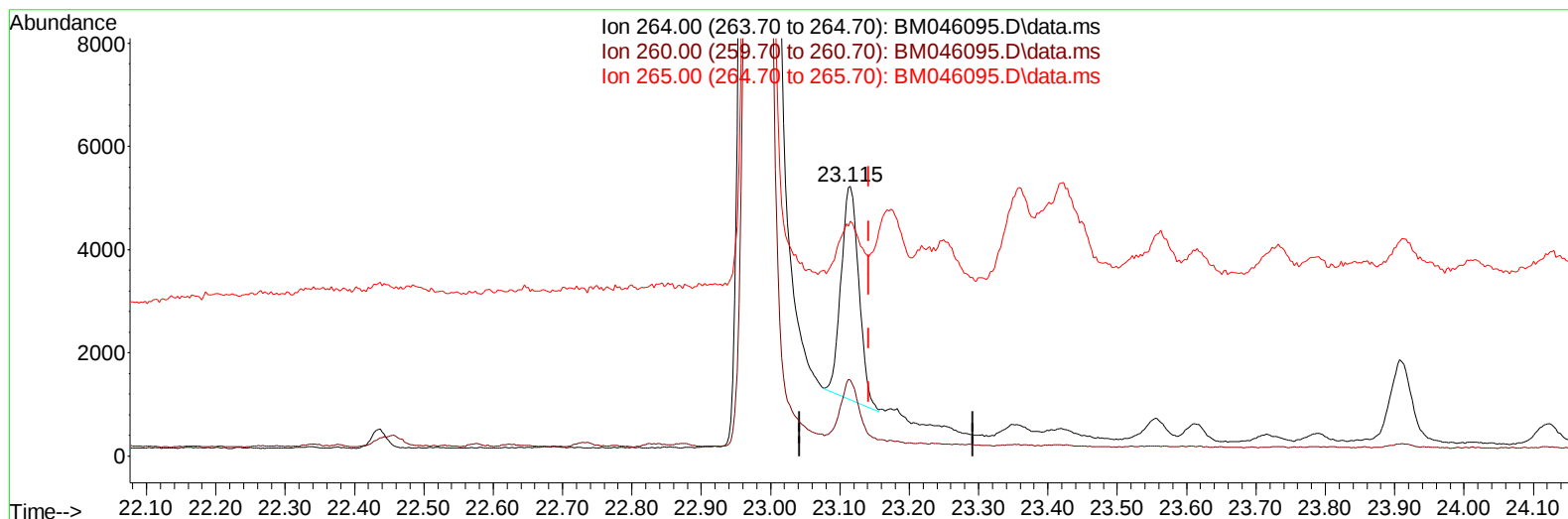
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(23) Perylene-d12 (I)

23.115min (-0.027) 0.40 ng/u1 m

response 7353

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.16
265.00	110.60	87.02#
0.00	0.00	0.00

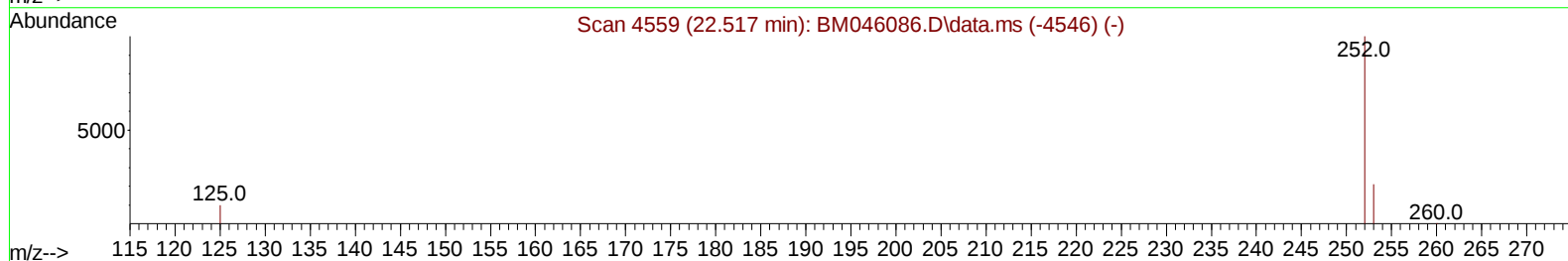
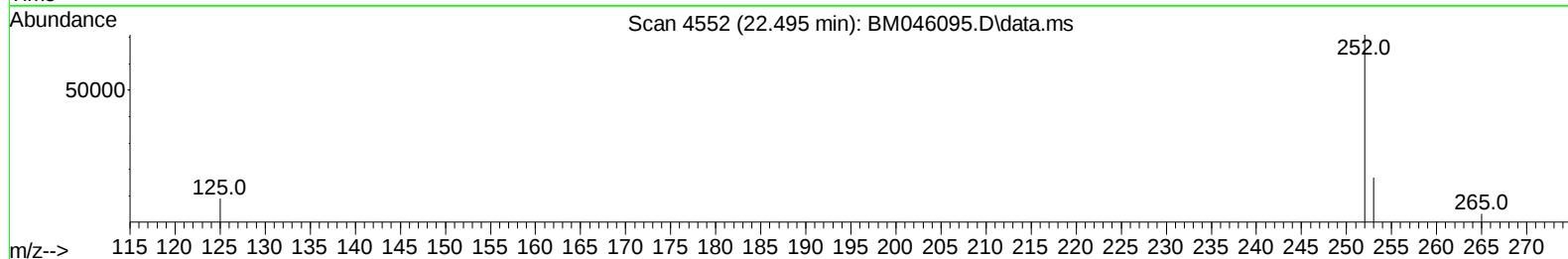
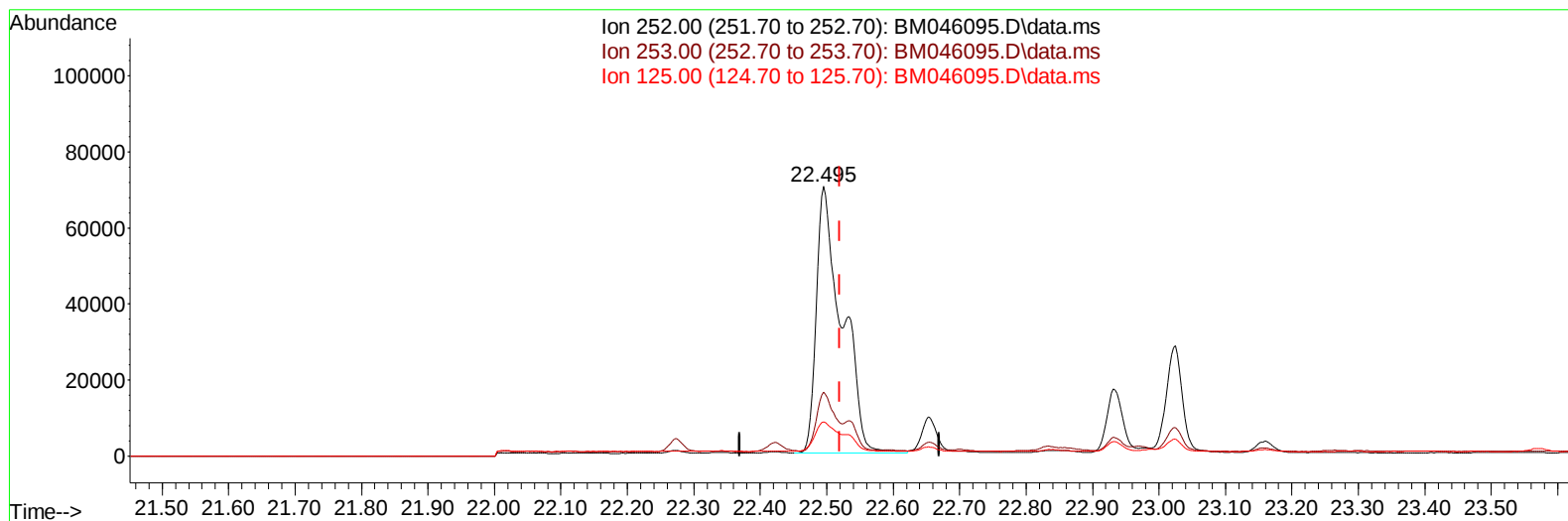
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(24) Benzo(b)fluoranthene

22.495min (-0.024) 7.08 ng/u1

response 187621

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.75
125.00	20.10	12.71
0.00	0.00	0.00

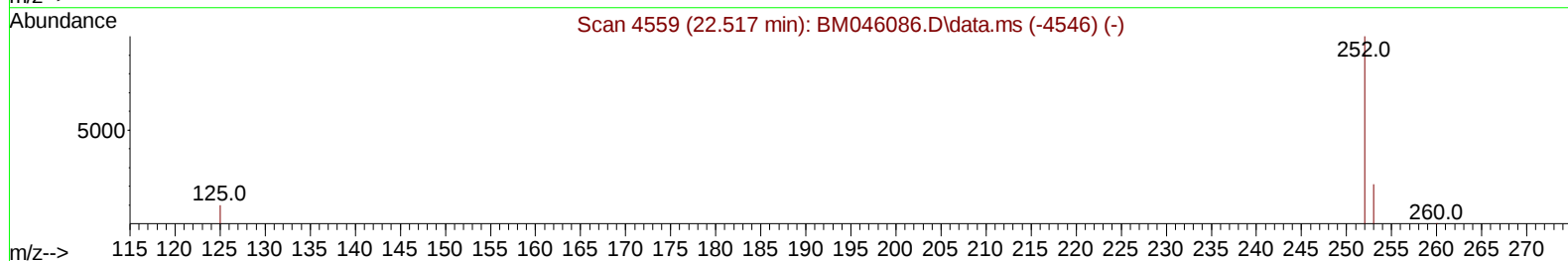
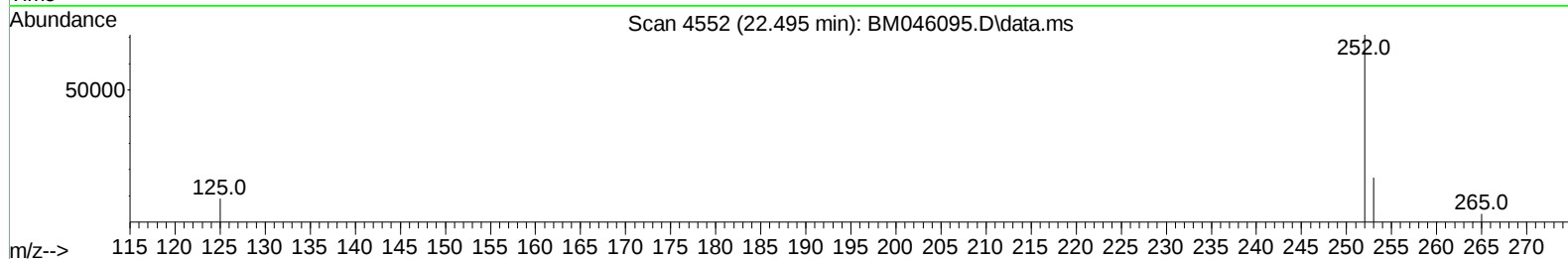
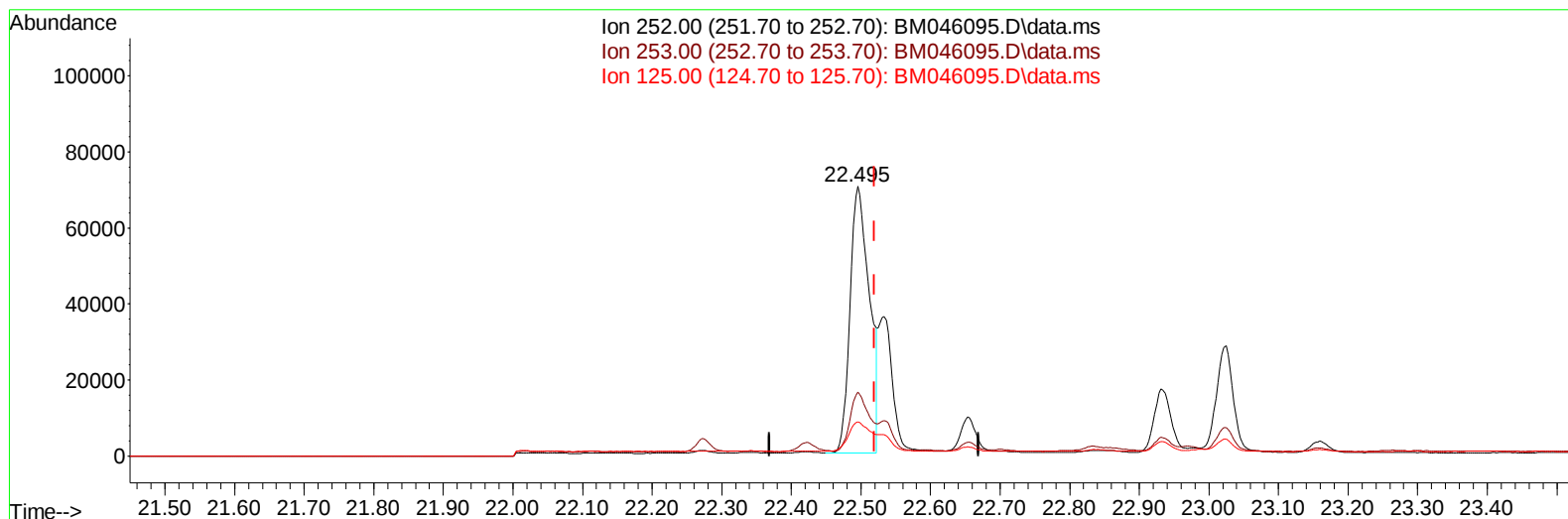
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
Acq On : 19 Jun 2024 20:41
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 22:50:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046095.D\data.ms

(24) Benzo(b)fluoranthene

22.495min (-0.024) 5.10 ng/u1 m

response 134973

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.75
125.00	20.10	12.71
0.00	0.00	0.00

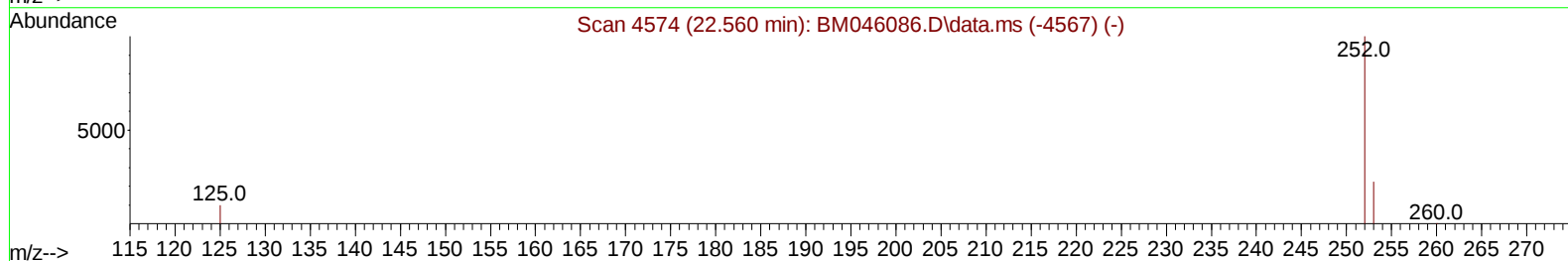
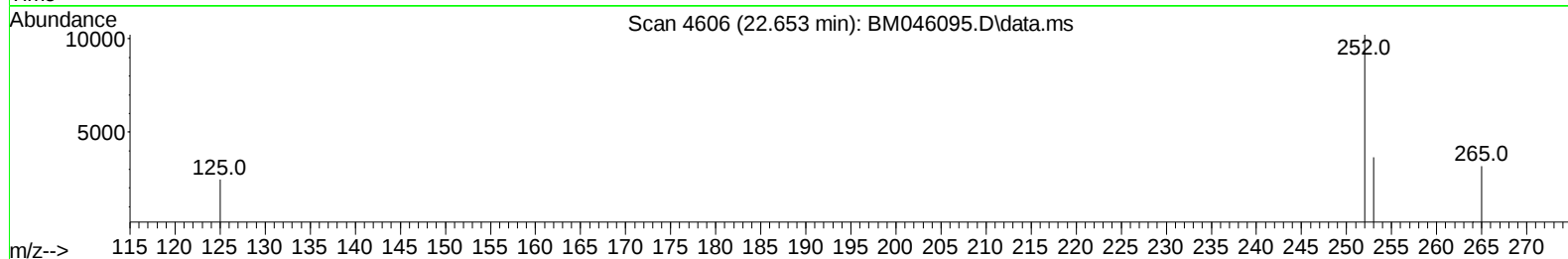
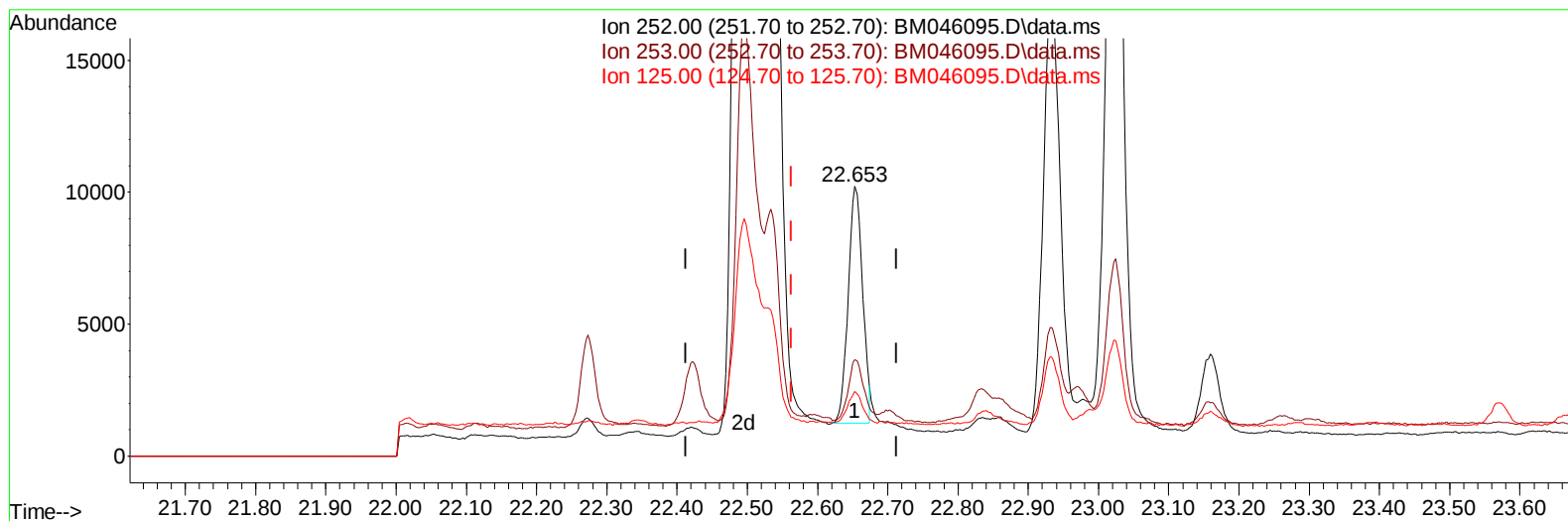
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046095.D
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Sample : P2695-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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TIC: BM046095.D\data.ms

(25) Benzo(k)fluoranthene

22.653min (+ 0.090) 0.41 ng/u1

response 12848

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	35.75
125.00	20.80	23.86
0.00	0.00	0.00

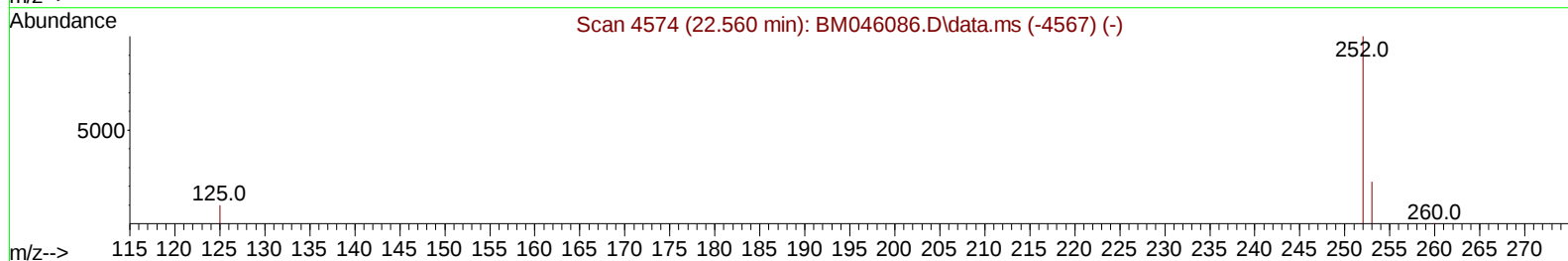
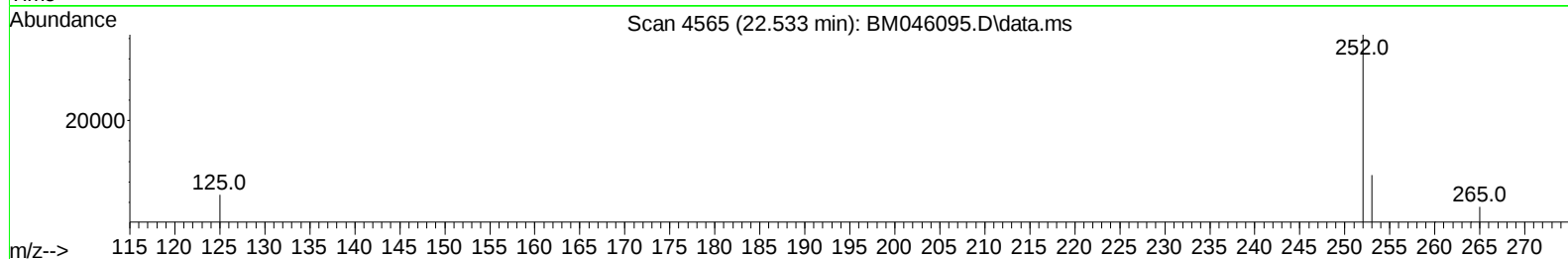
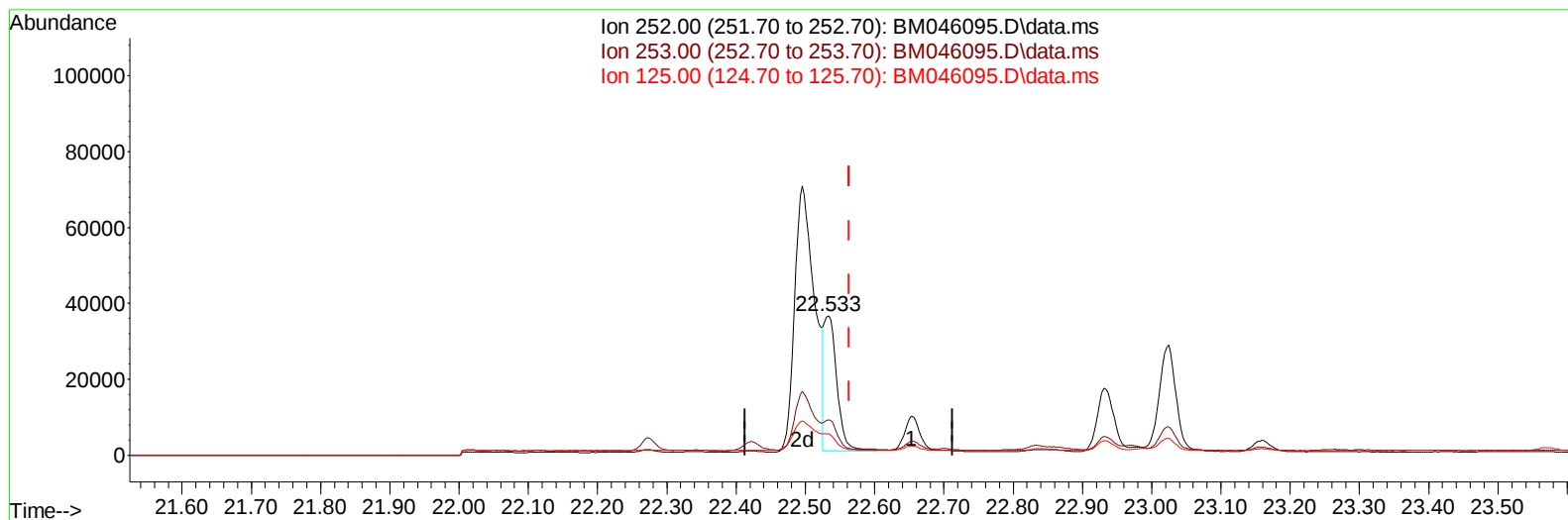
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046095.D
 Acq On : 19 Jun 2024 20:41
 Operator : MA/JU
 Sample : P2695-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK3

Manual IntegrationsAPPROVED

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TIC: BM046095.D\data.ms

(25) Benzo(k)fluoranthene

22.533min (-0.030) 1.45 ng/u1 m

response 45631

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.43#
125.00	20.80	15.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
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 Operator : MA/JU
 Sample : P2695-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.430	152	2350	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.205	136	6467	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.076	164	3527	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.820	188	7529m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.020	240	6559m	0.400	ng/ul	-0.02
23) Perylene-d12	23.115	264	7353m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.033	96	12789	3.967	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.833	152	2410	0.278	ng/ul	-0.03
18) Fluoranthene-d10	18.853	212	6324	0.322	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.254	128	2386	0.132	ng/ul	96
7) 2-Methylnaphthalene	11.910	142	677	0.067	ng/ul	97
8) 1-Methylnaphthalene	12.119	142	571	0.051	ng/ul	98
10) Acenaphthylene	13.794	152	5045	0.302	ng/ul	98
11) Acenaphthene	14.141	153	2450	0.203	ng/ul	99
12) Fluorene	15.131	166	3019	0.233	ng/ul	99
15) Phenanthrene	16.858	178	73201m	3.461	ng/ul	
16) Anthracene	16.951	178	13313m	0.845	ng/ul	
19) Fluoranthene	18.881	202	179508	6.321	ng/ul	97
20) Pyrene	19.244	202	124213	4.044	ng/ul	96
21) Benzo(a)anthracene	21.003	228	78920m	3.115	ng/ul	
22) Chrysene	21.055	228	91587	2.833	ng/ul	98
24) Benzo(b)fluoranthene	22.495	252	134973m	5.095	ng/ul	
25) Benzo(k)fluoranthene	22.533	252	45631m	1.449	ng/ul	
26) Benzo(a)pyrene	23.025	252	47714	1.944	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.158	276	51385	1.279	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.162	278	16647	0.557	ng/ul	97
29) Benzo(g,h,i)perylene	25.785	276	7795	0.226	ng/ul#	87

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

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