

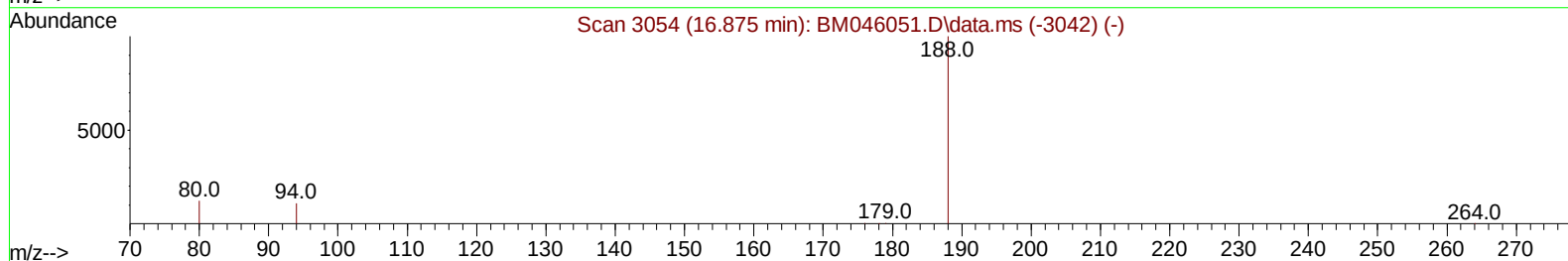
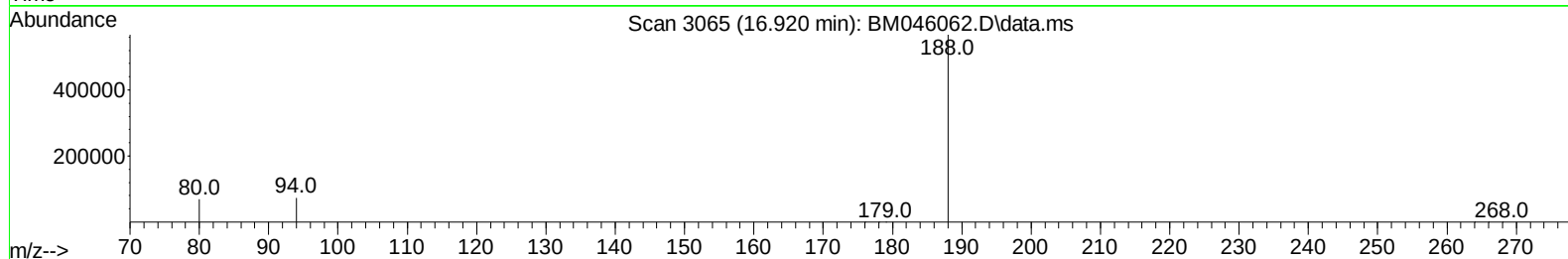
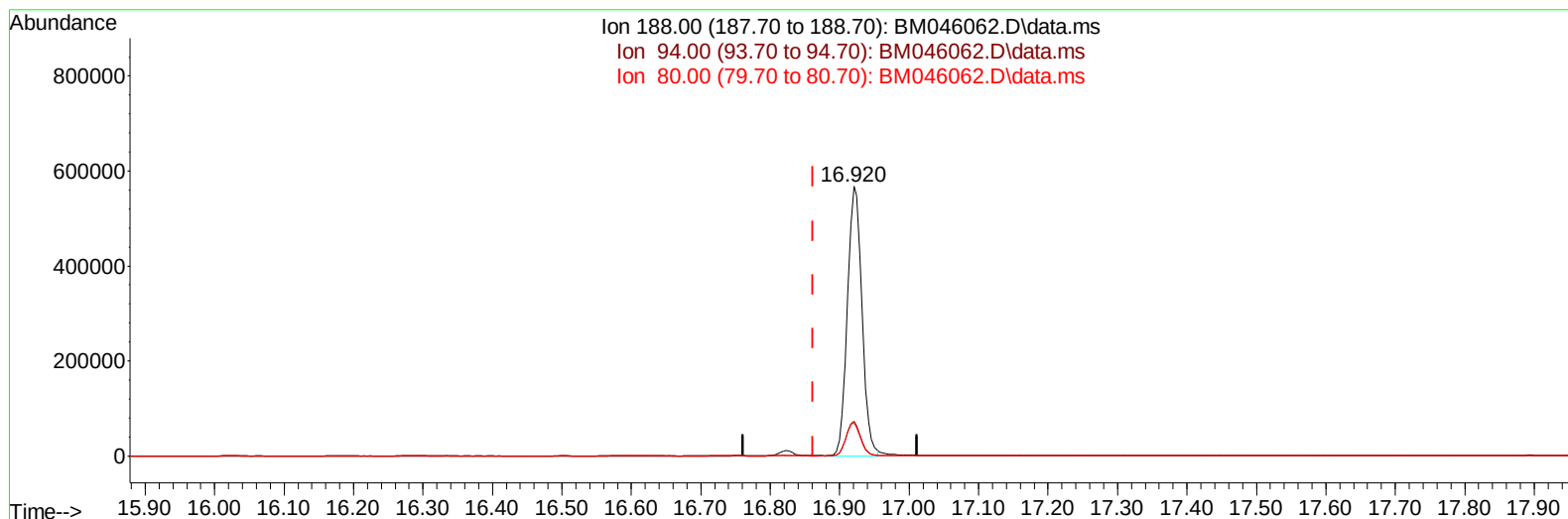
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 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 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046062.D\data.ms

(13) Phenanthrene-d10 (I)

16.920min (+ 0.059) 0.40 ng/u1

response 820790

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.90
80.00	15.20	12.39
0.00	0.00	0.00

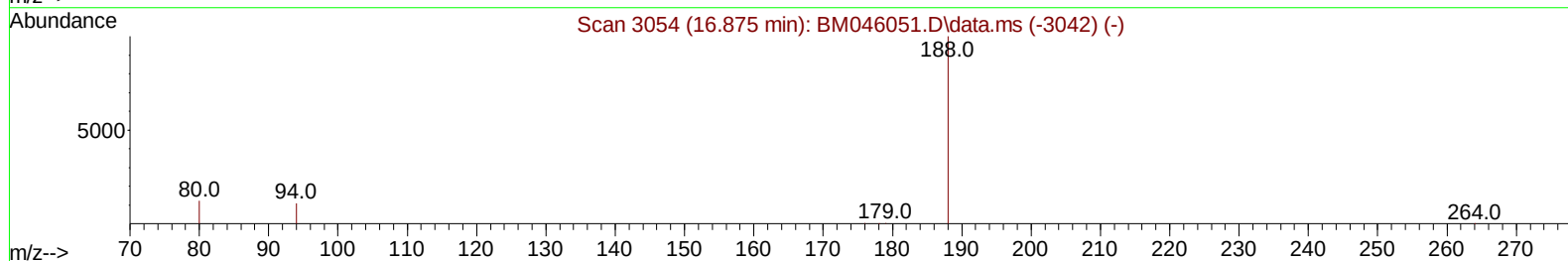
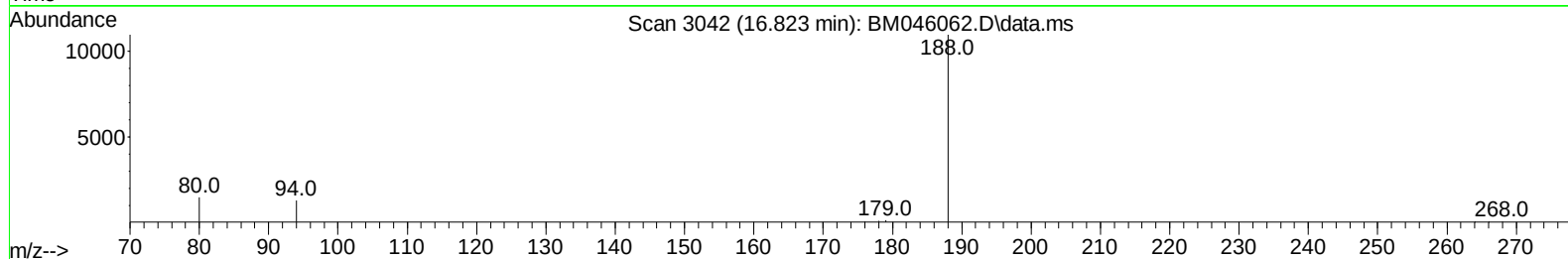
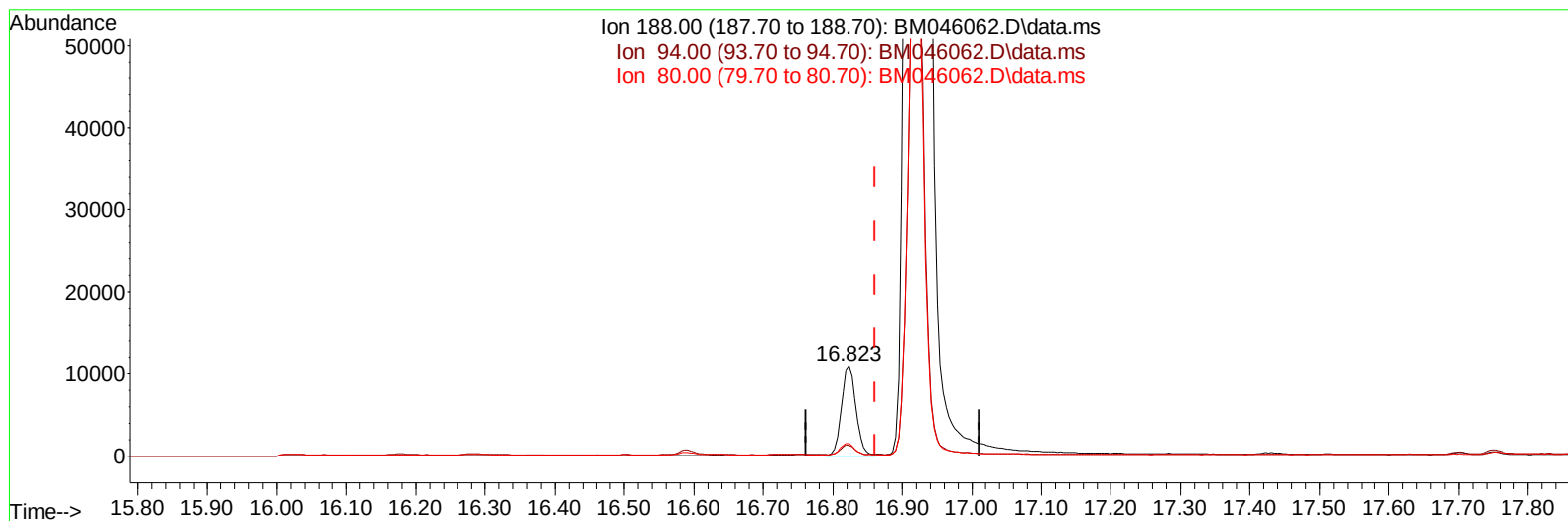
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 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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Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046062.D\data.ms

(13) Phenanthrene-d10 (I)

16.823min (-0.038) 0.40 ng/ul m

response 15918

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.02
80.00	15.20	13.49
0.00	0.00	0.00

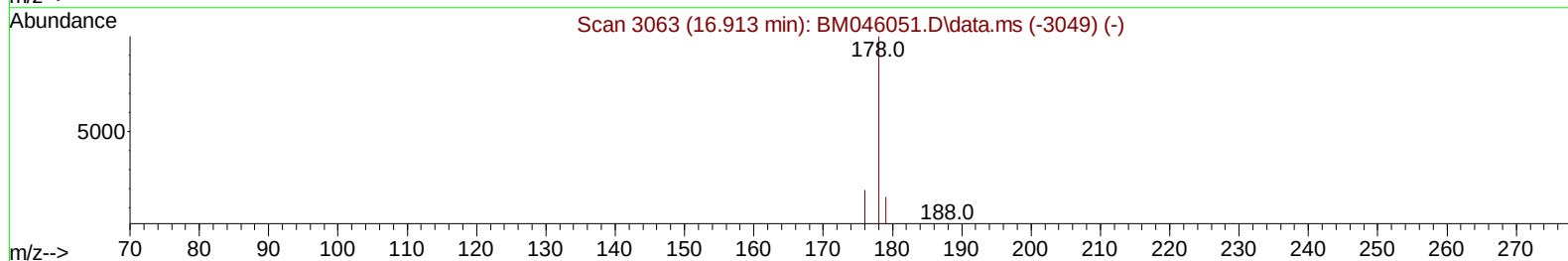
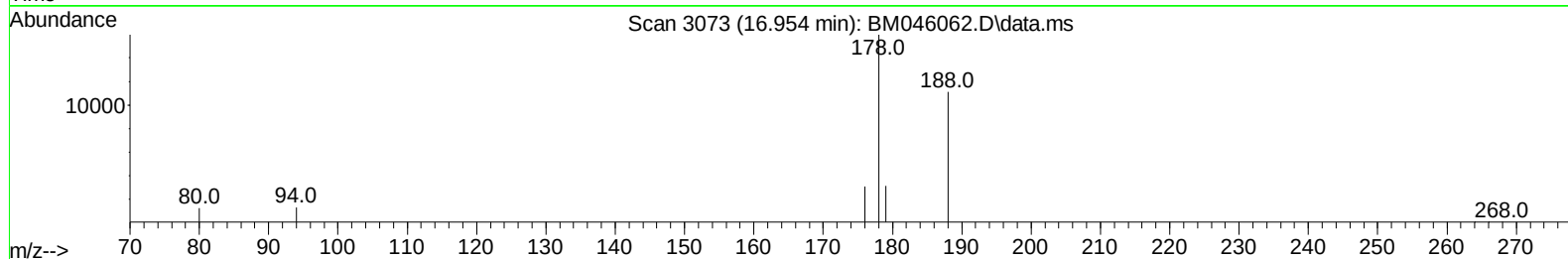
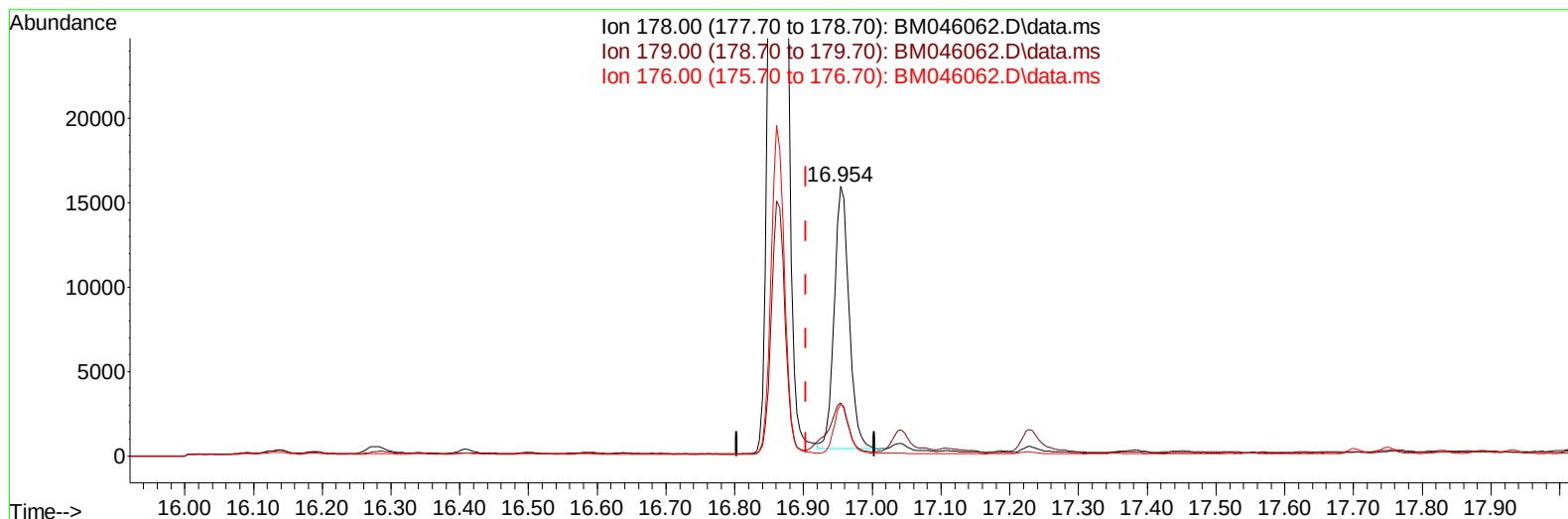
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 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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TIC: BM046062.D\data.ms

(15) Phenanthrene

16.954min (+ 0.051) 0.52 ng/u1

response 23326

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	19.59
176.00	21.40	19.34
0.00	0.00	0.00

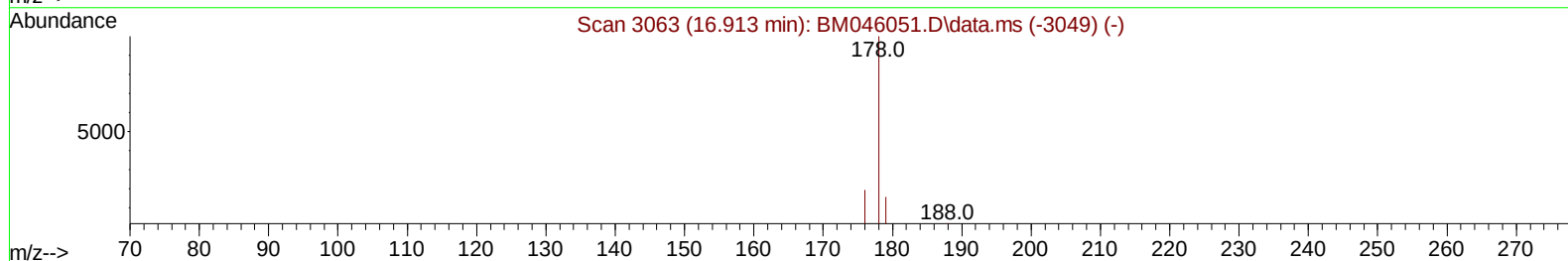
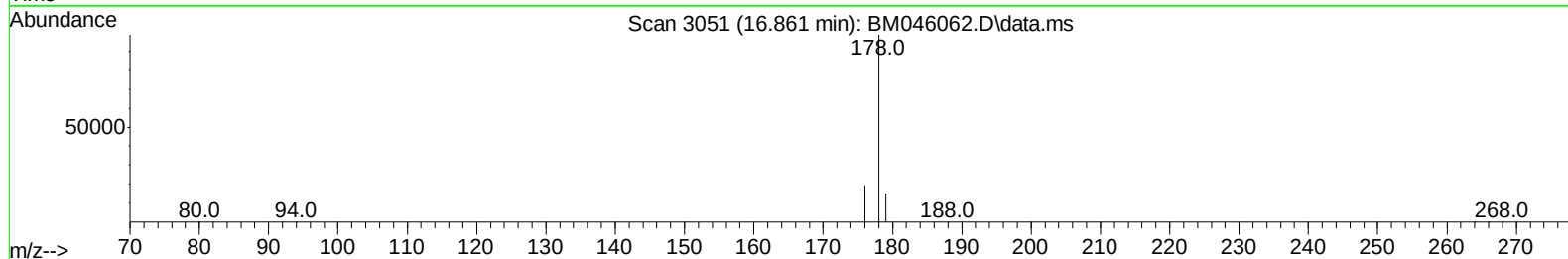
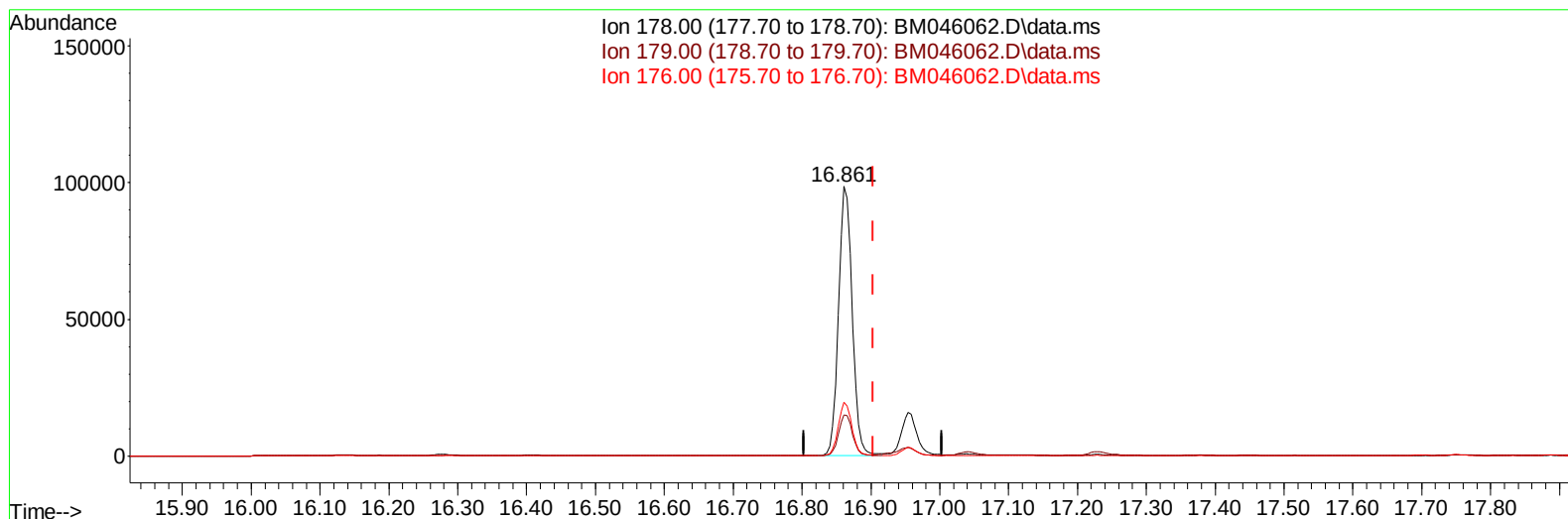
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046062.D\data.ms

(15) Phenanthrene

16.861min (-0.042) 3.03 ng/ul m

response 135522

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.32
176.00	21.40	19.85
0.00	0.00	0.00

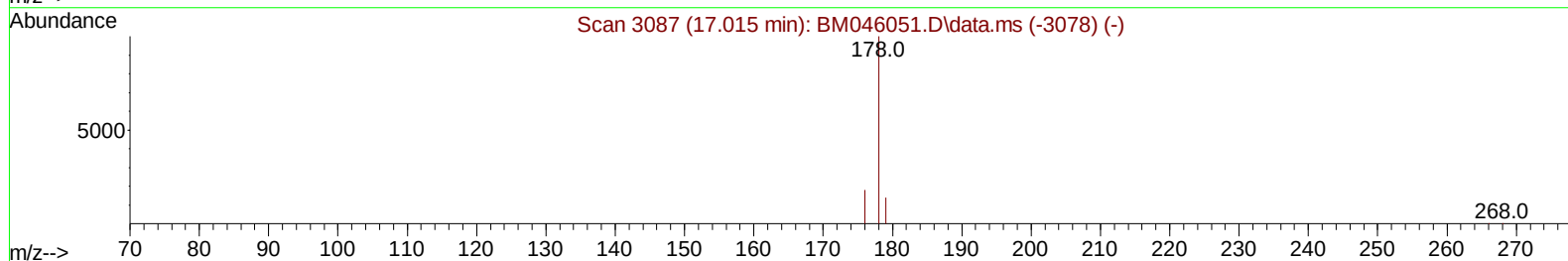
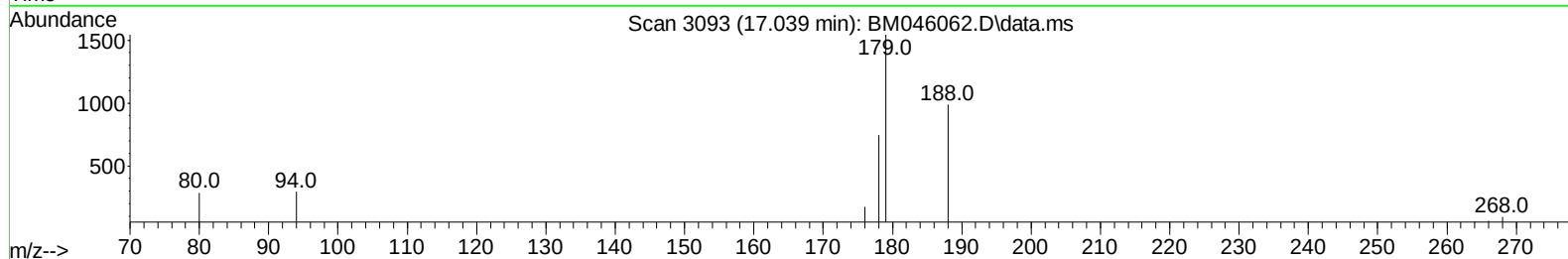
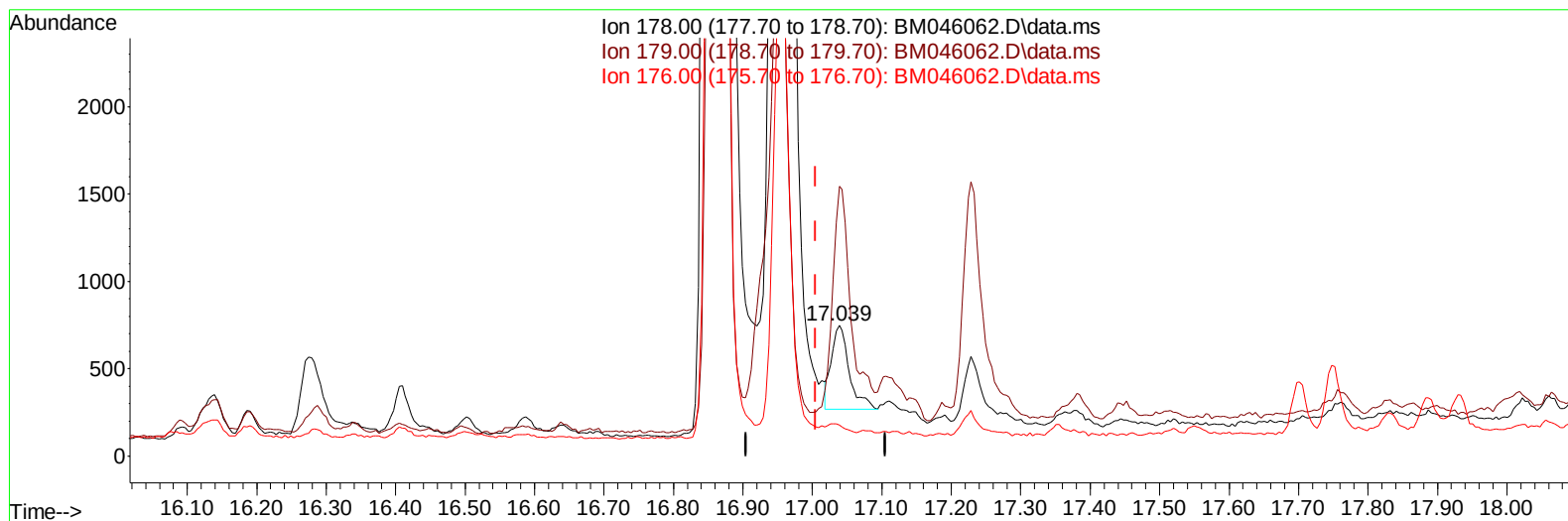
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 2024
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TIC: BM046062.D\data.ms

(16) Anthracene

17.039min (+ 0.034) 0.03 ng/u1

response 864

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	206.56#
176.00	21.20	23.56
0.00	0.00	0.00

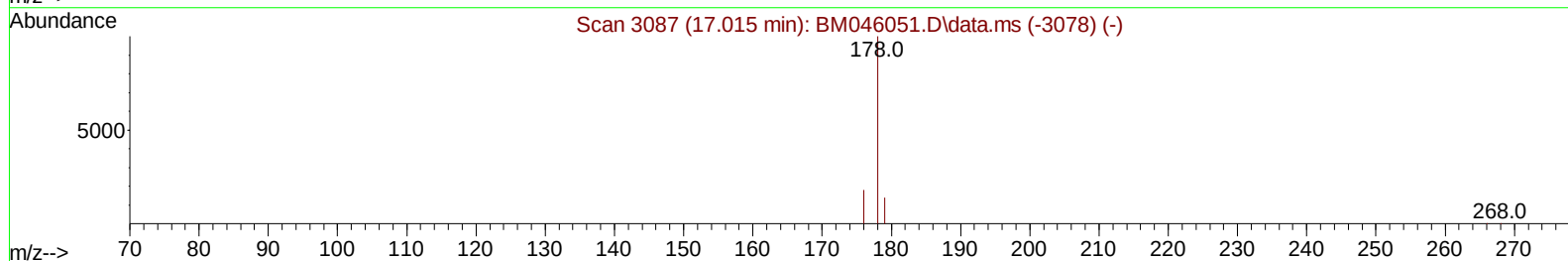
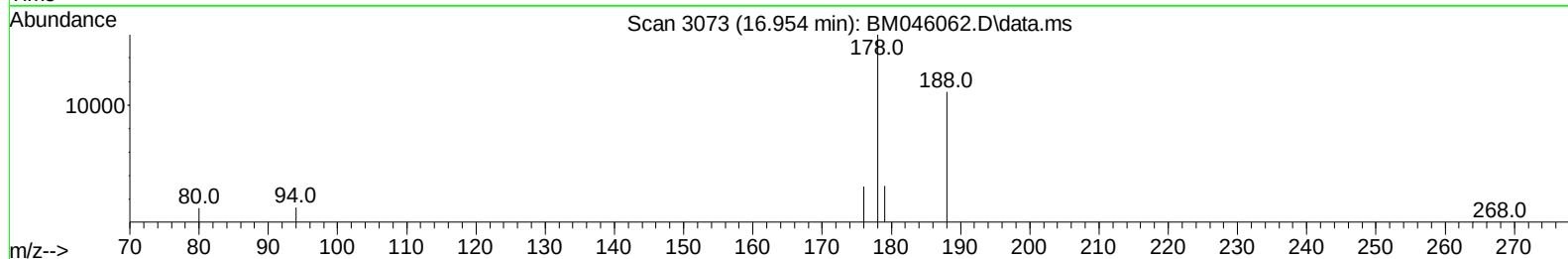
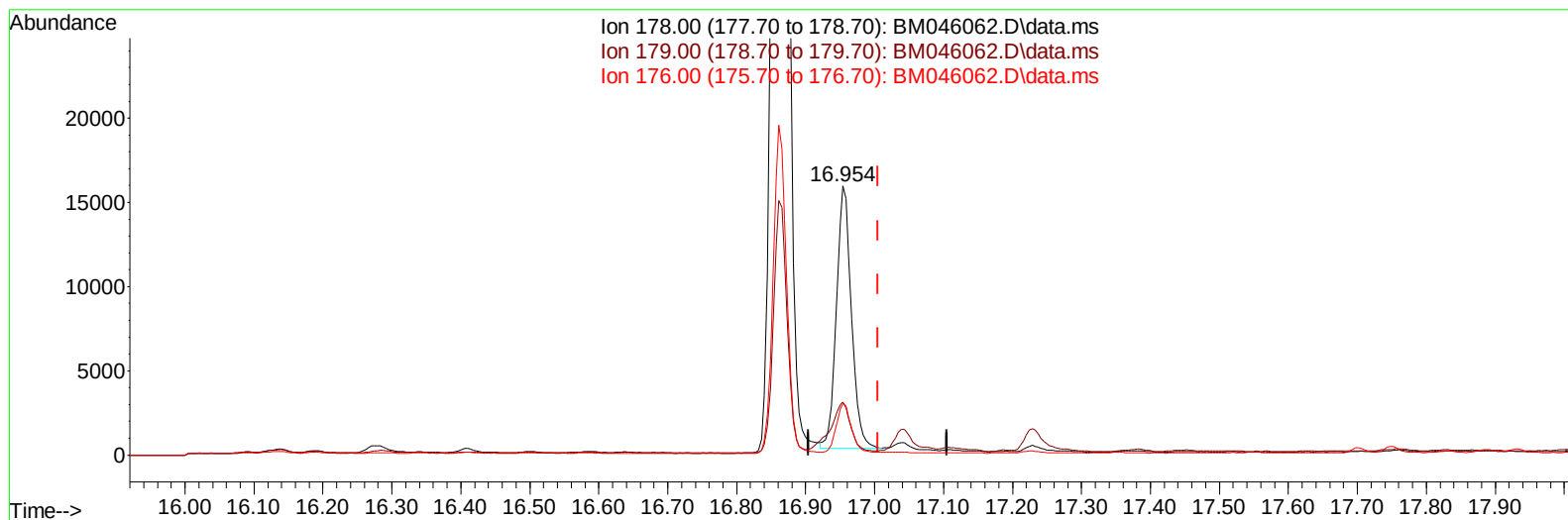
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM046062.D\data.ms

(16) Anthracene

16.954min (-0.051) 0.70 ng/ul m

response 23445

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	19.59
176.00	21.20	19.34
0.00	0.00	0.00

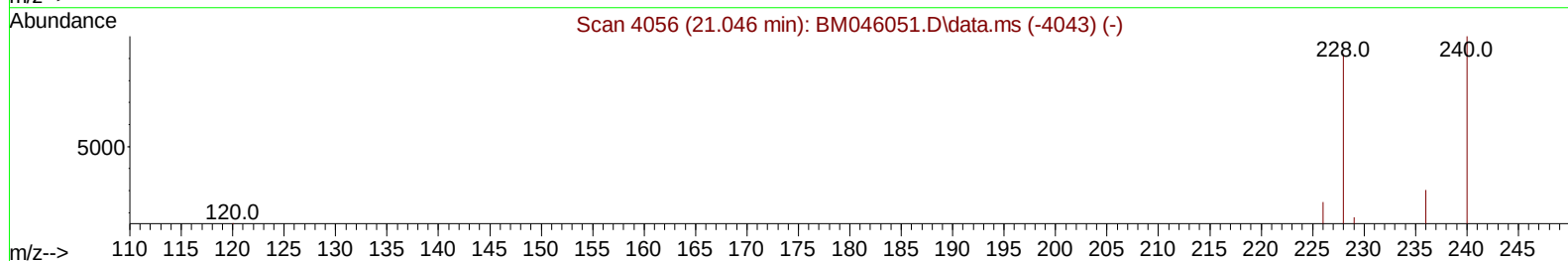
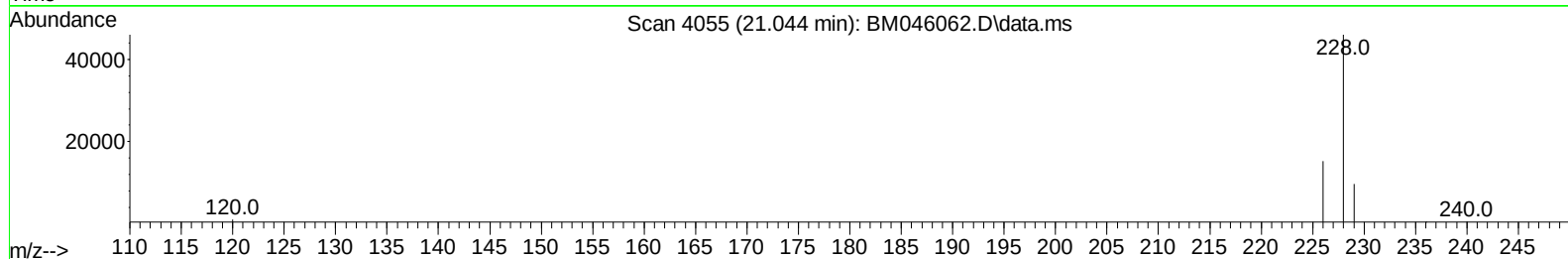
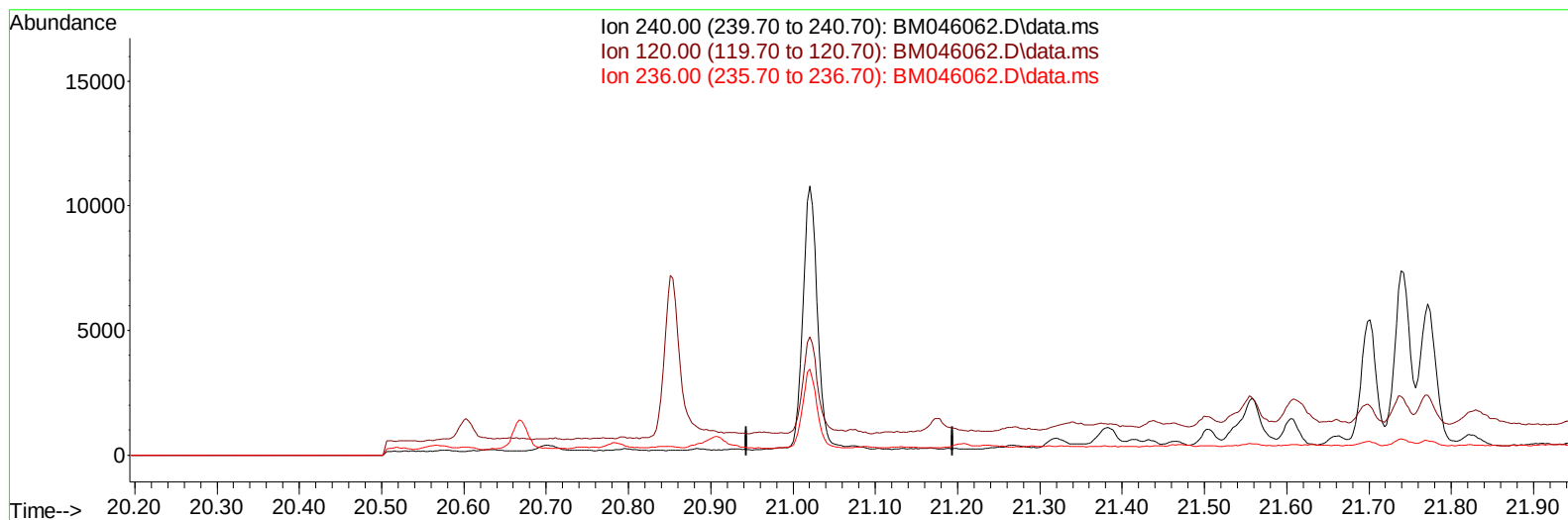
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046062.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

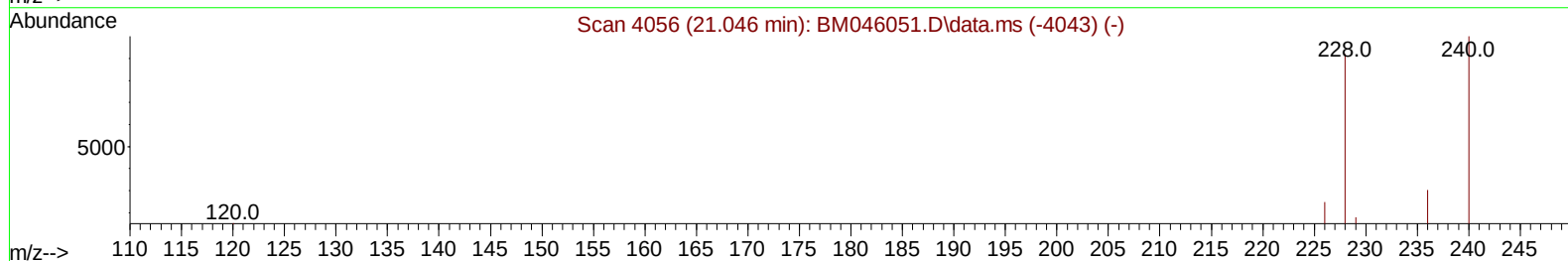
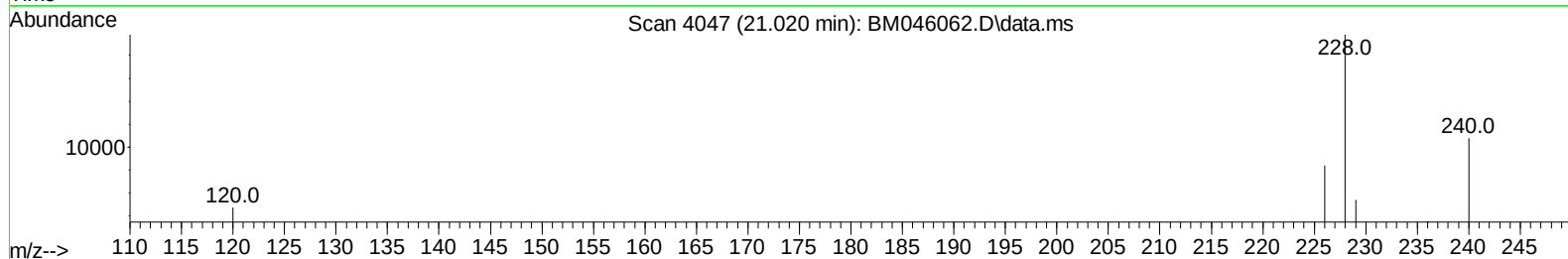
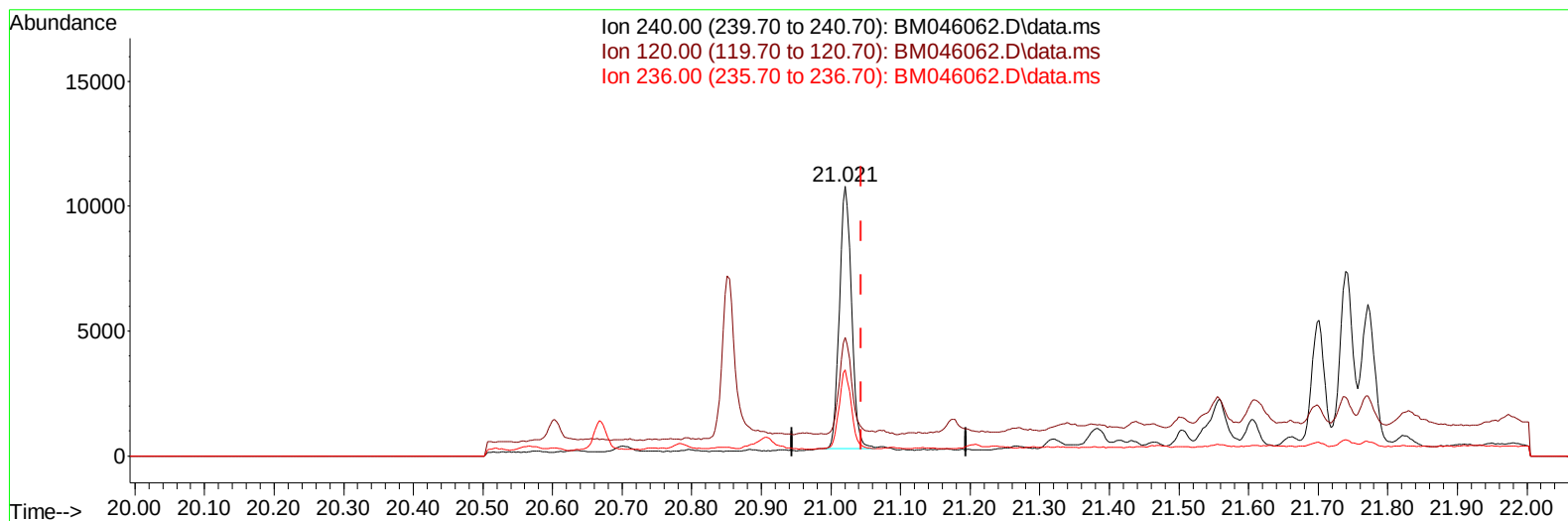
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 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 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046062.D\data.ms

(17) Chrysene-d12

21.020min (-0.023) 0.40 ng/ul m

response 12756

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	44.05#
236.00	33.60	32.04
0.00	0.00	0.00

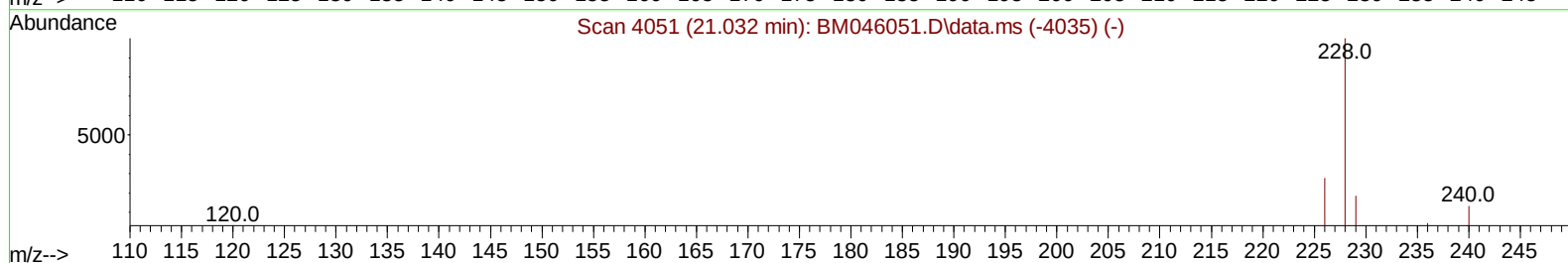
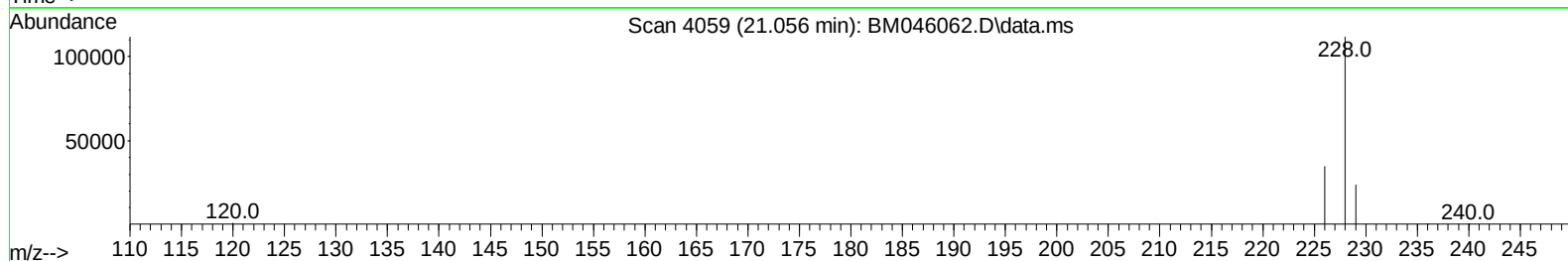
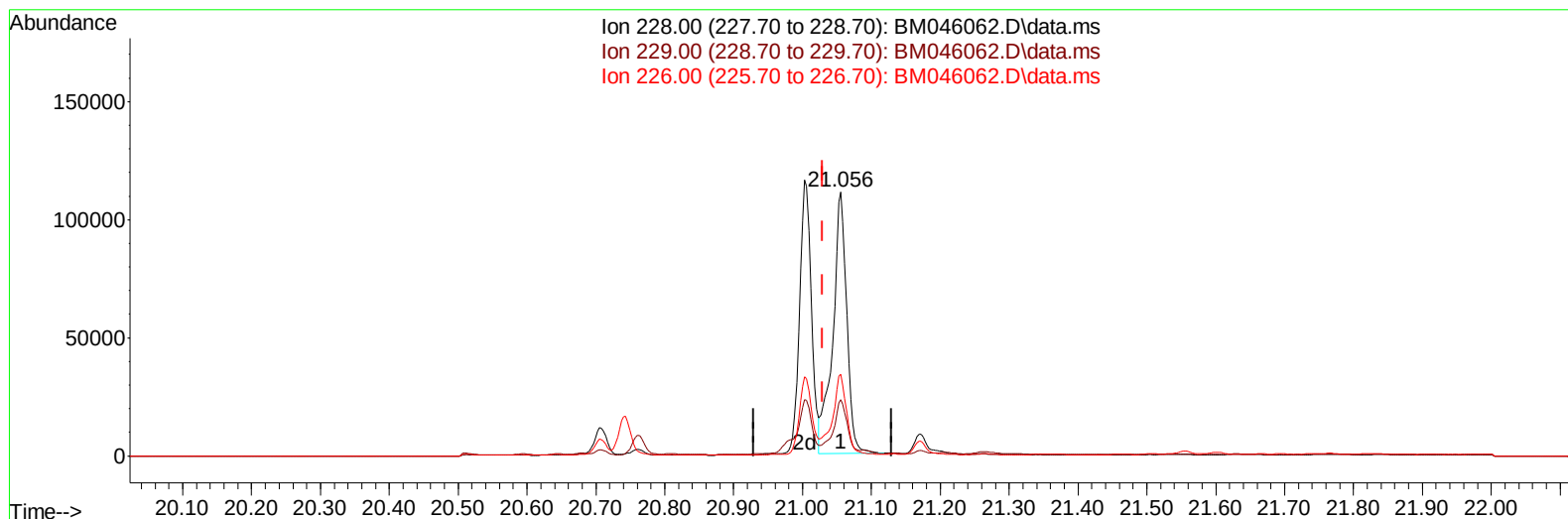
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046062.D\data.ms

(21) Benzo(a)anthracene

21.056min (+ 0.026) 3.18 ng/u1

response 156722

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.39
226.00	29.30	30.90
0.00	0.00	0.00

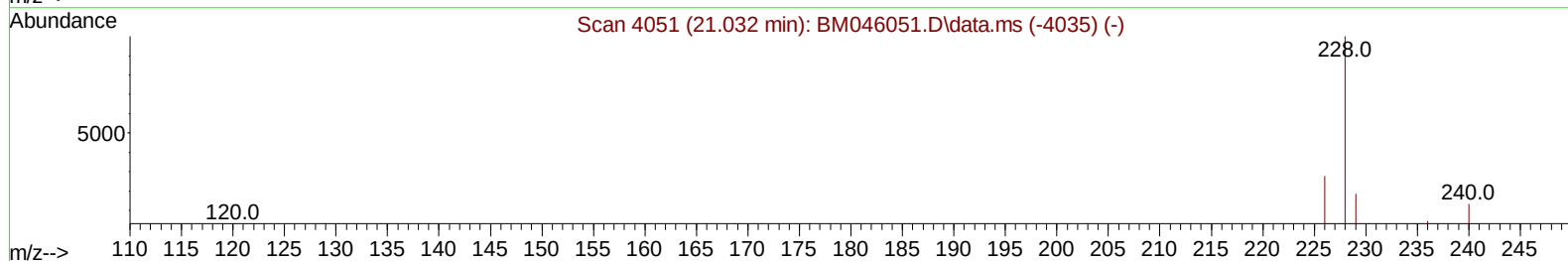
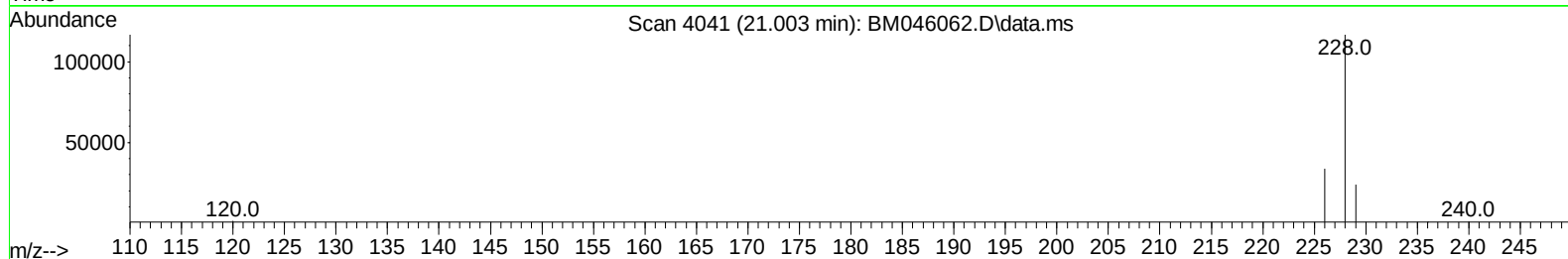
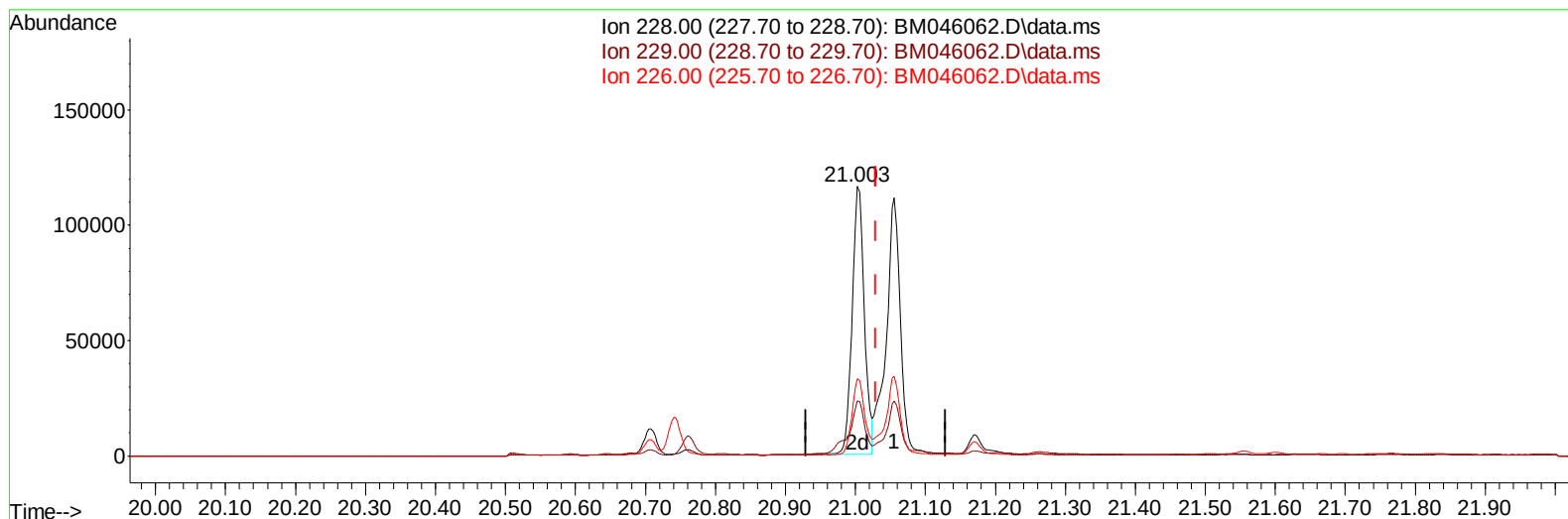
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 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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TIC: BM046062.D\data.ms

(21) Benzo(a)anthracene

21.003min (-0.026) 2.83 ng/u1 m

response 139196

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.48
226.00	29.30	28.68
0.00	0.00	0.00

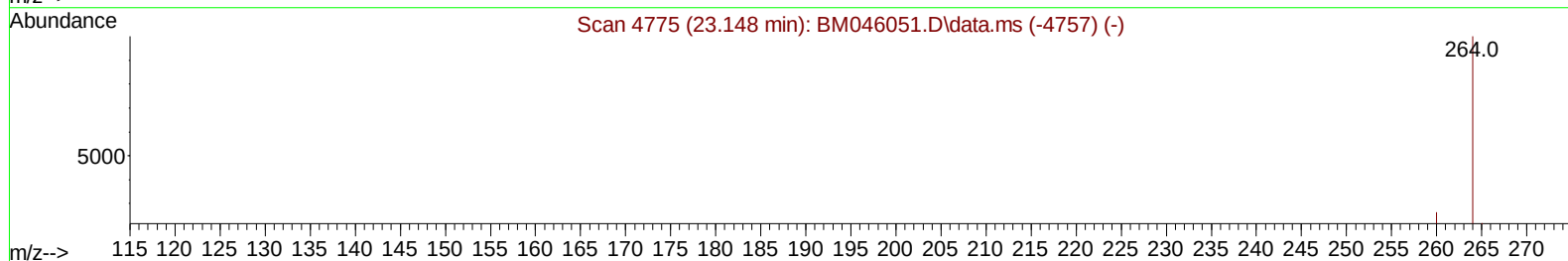
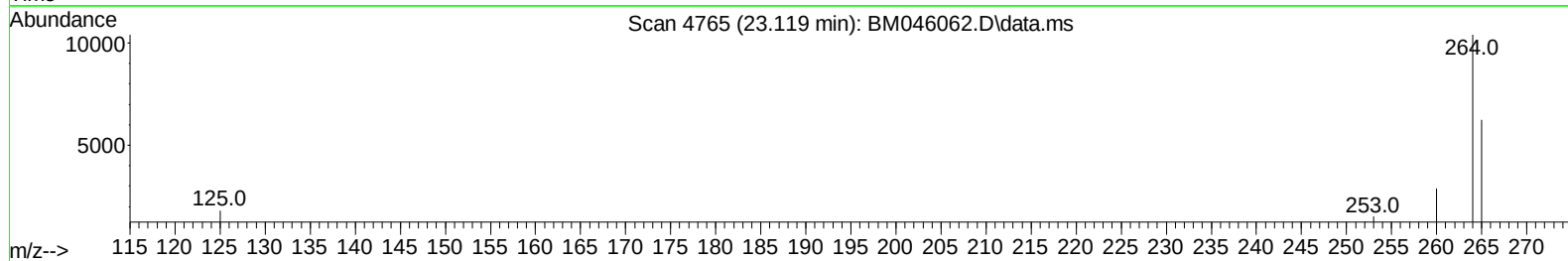
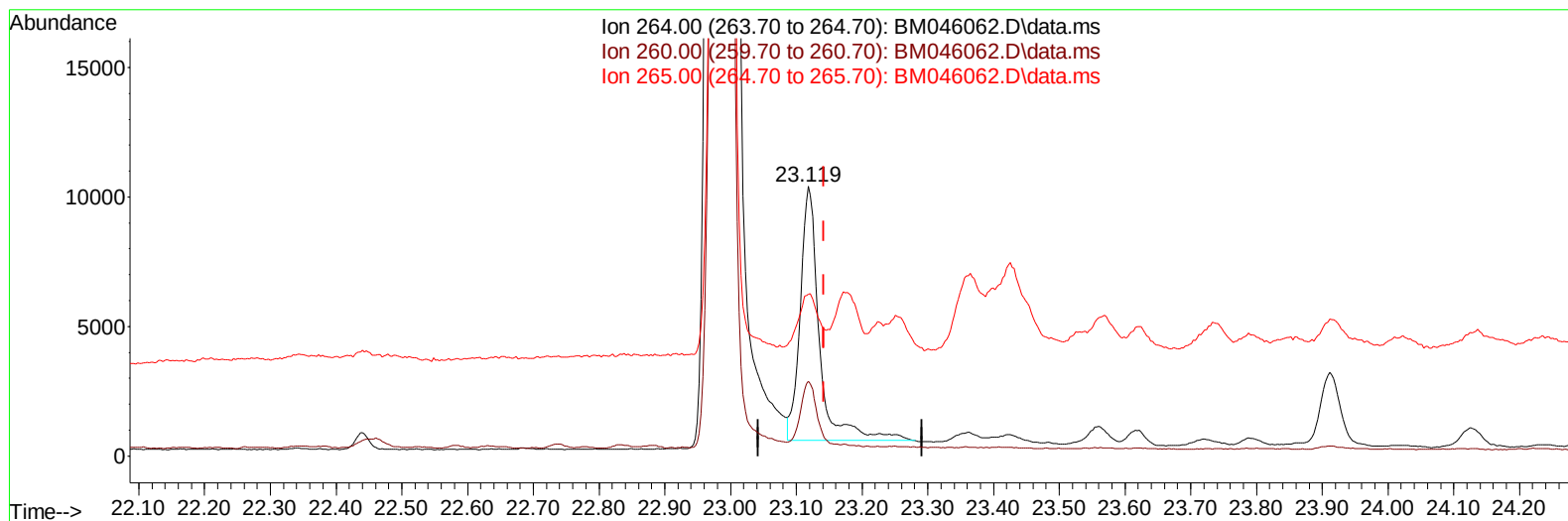
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

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TIC: BM046062.D\data.ms

(23) Perylene-d12 (I)

23.119min (-0.023) 0.40 ng/u1

response 19887

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.75
265.00	110.60	60.01#
0.00	0.00	0.00

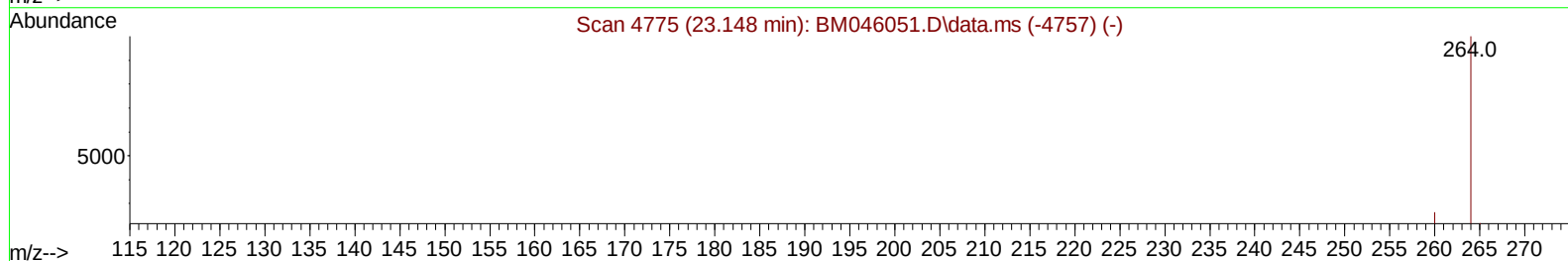
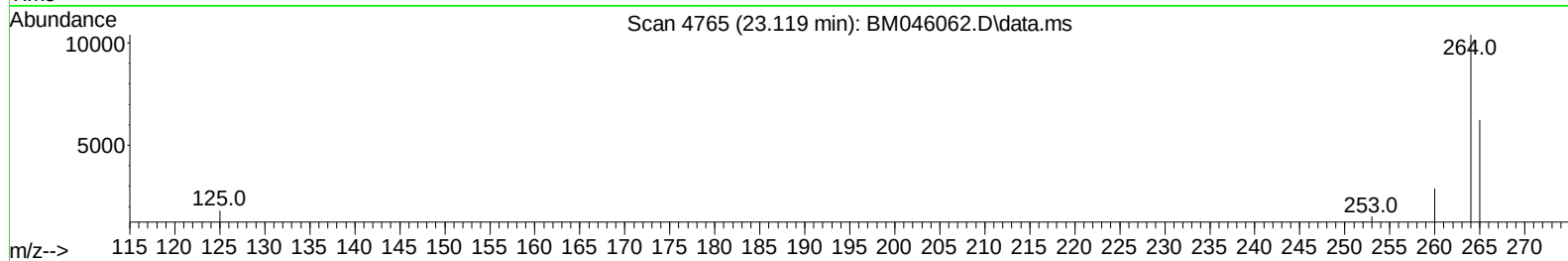
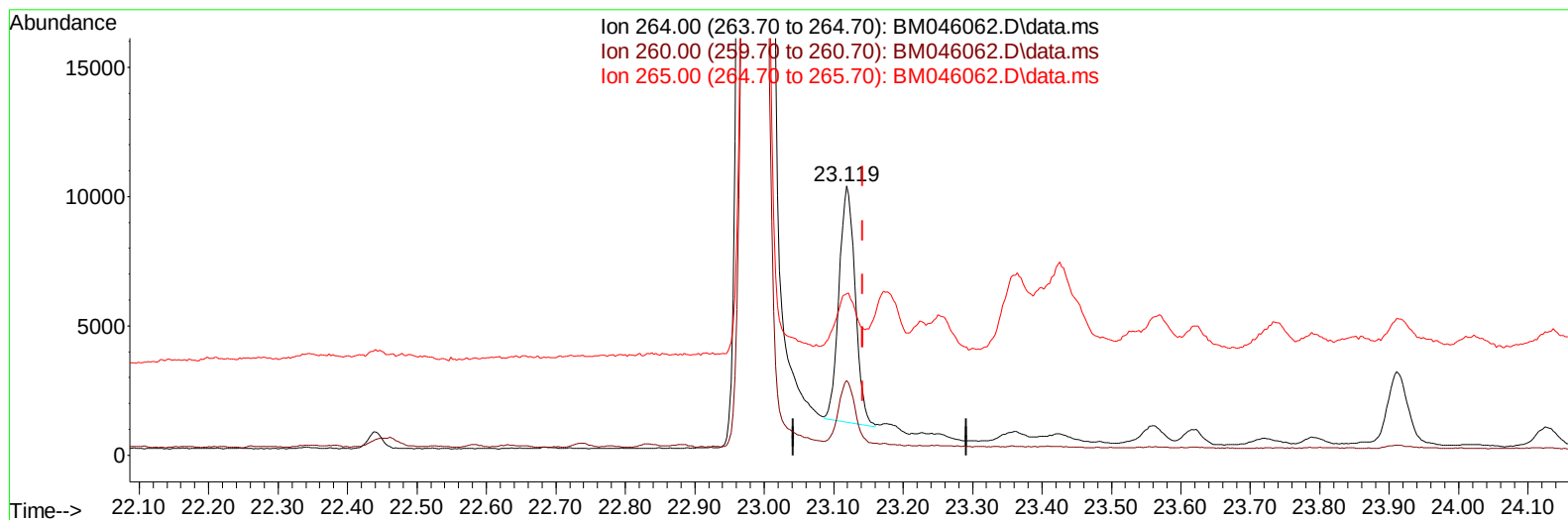
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

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TIC: BM046062.D\data.ms

(23) Perylene-d12 (I)

23.119min (-0.023) 0.40 ng/ul m

response 14820

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.75
265.00	110.60	60.01#
0.00	0.00	0.00

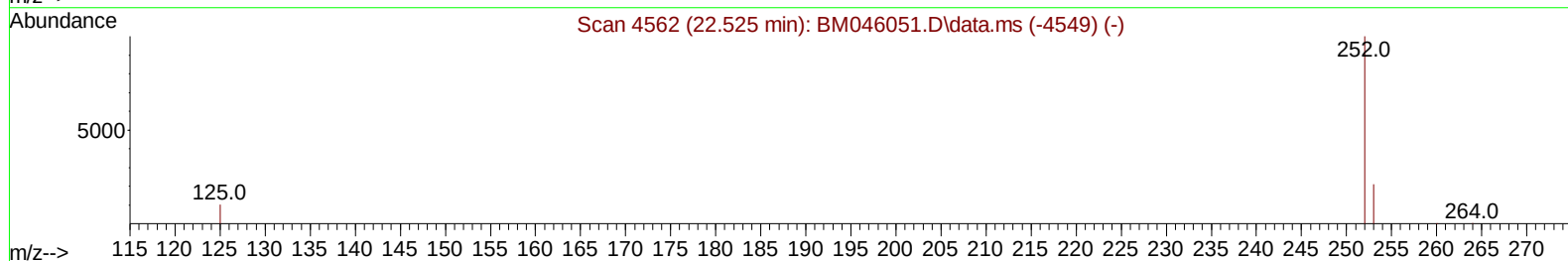
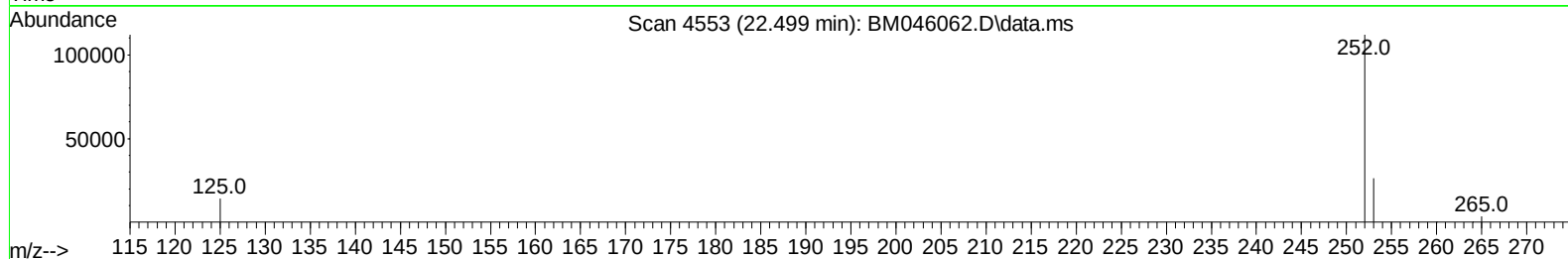
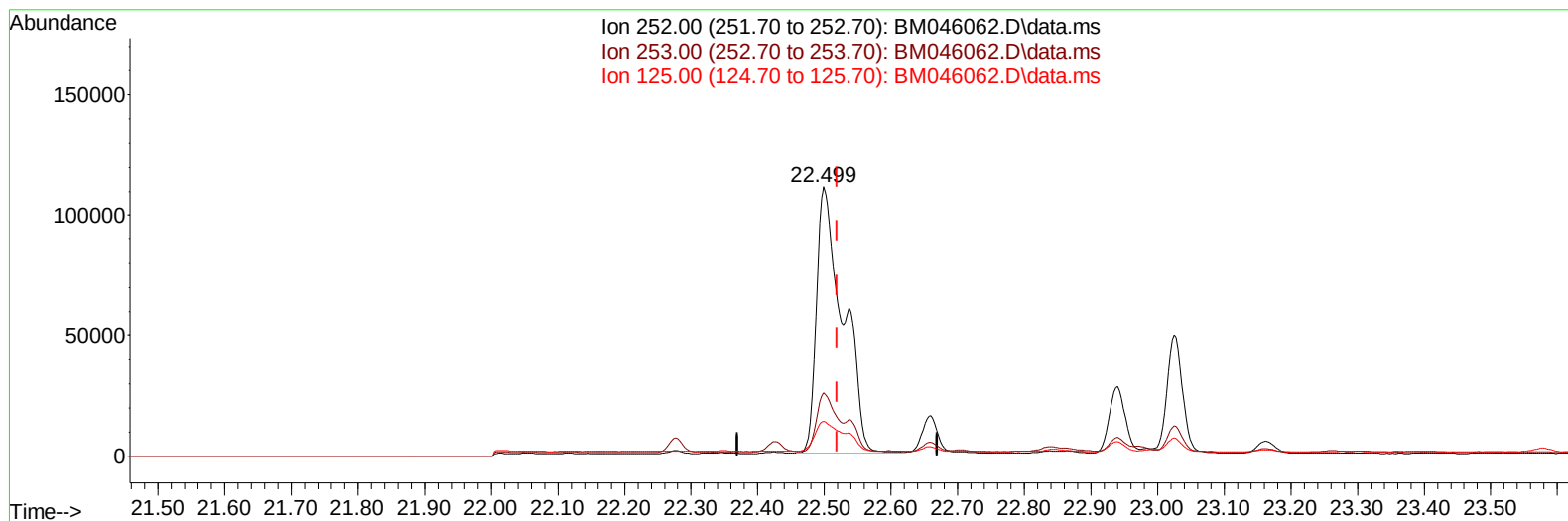
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

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TIC: BM046062.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.021) 5.78 ng/uI

response 308499

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.44
125.00	20.10	12.81
0.00	0.00	0.00

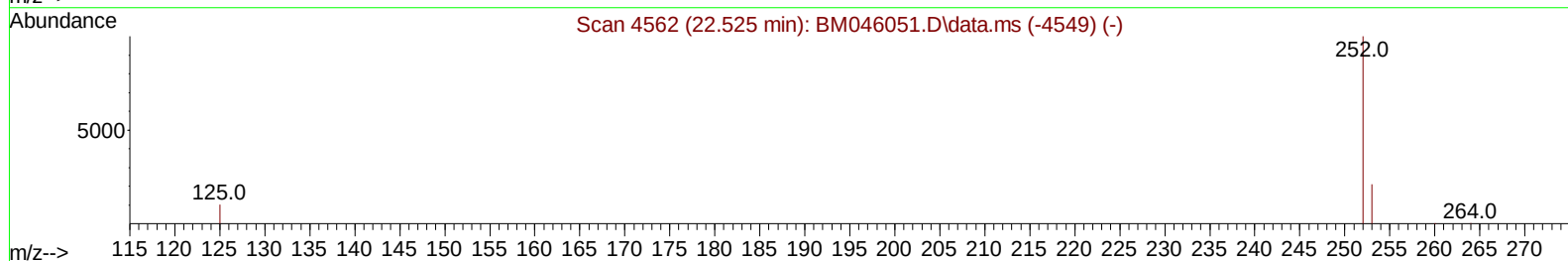
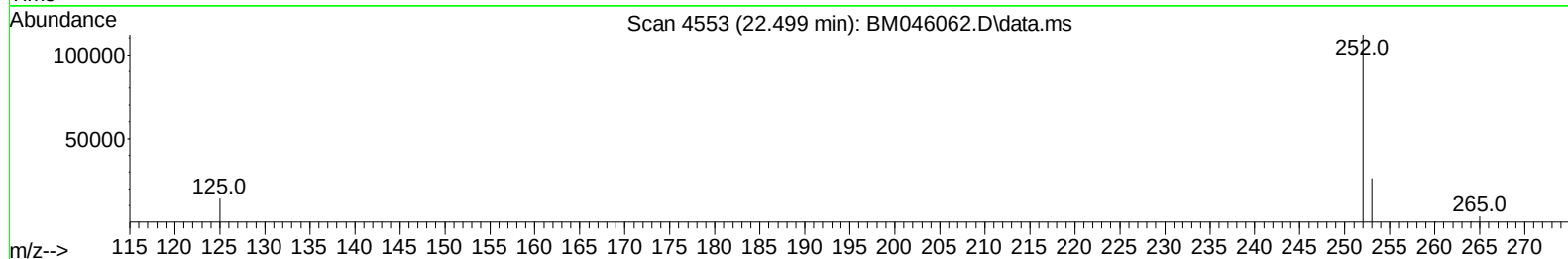
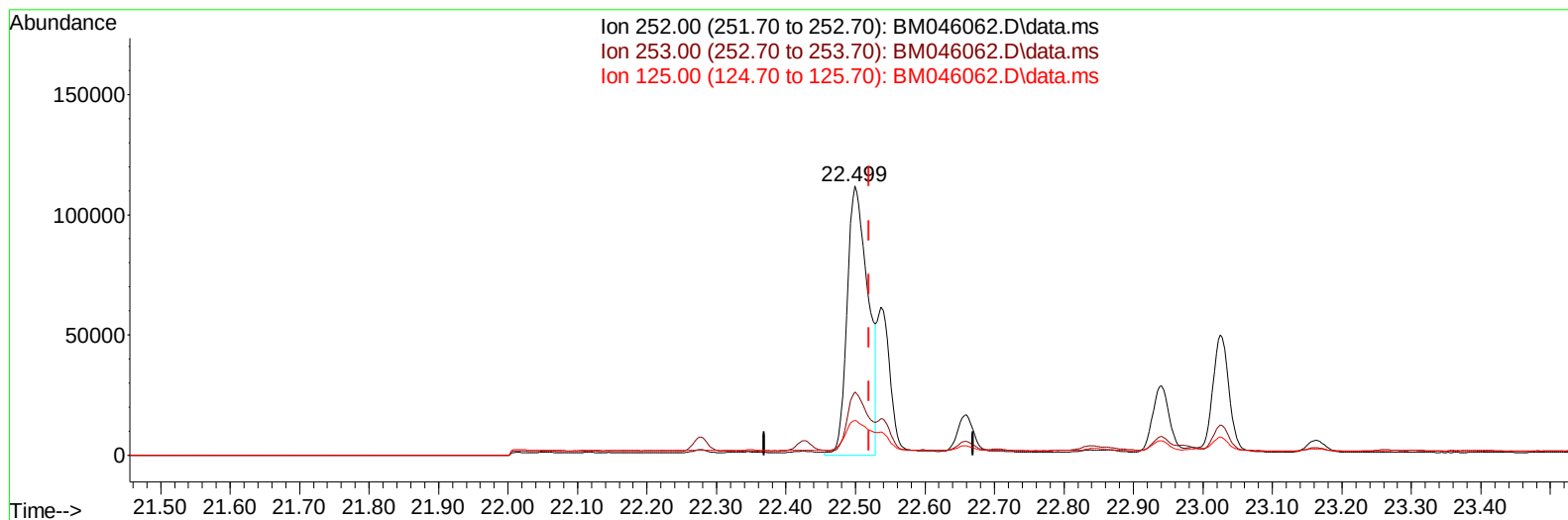
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 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 06/19/2024
Supervised By :mohammad ahmed 06/21/2024



TIC: BM046062.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.021) 4.36 ng/u l m

response 233032

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.44
125.00	20.10	12.81
0.00	0.00	0.00

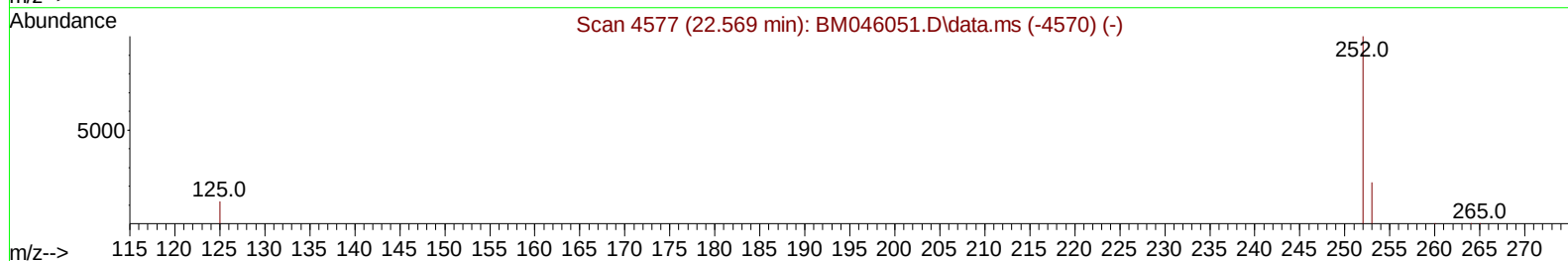
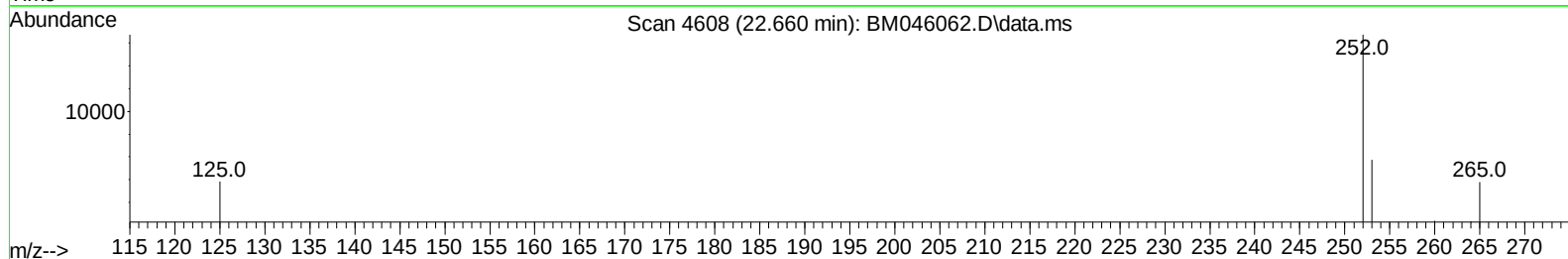
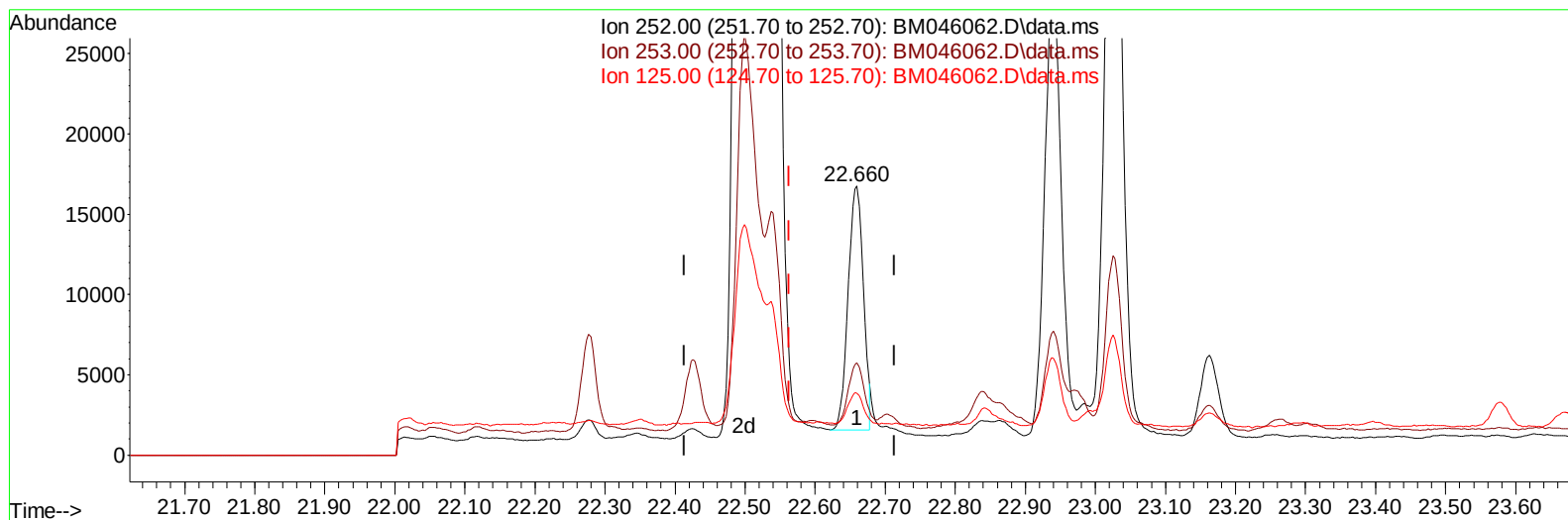
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046062.D
Acq On : 18 Jun 2024 21:52
Operator : MA/JU
Sample : P2695-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046062.D\data.ms

(25) Benzo(k)fluoranthene

22.660min (+ 0.096) 0.36 ng/u1

response 22913

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	34.41
125.00	20.80	23.04
0.00	0.00	0.00

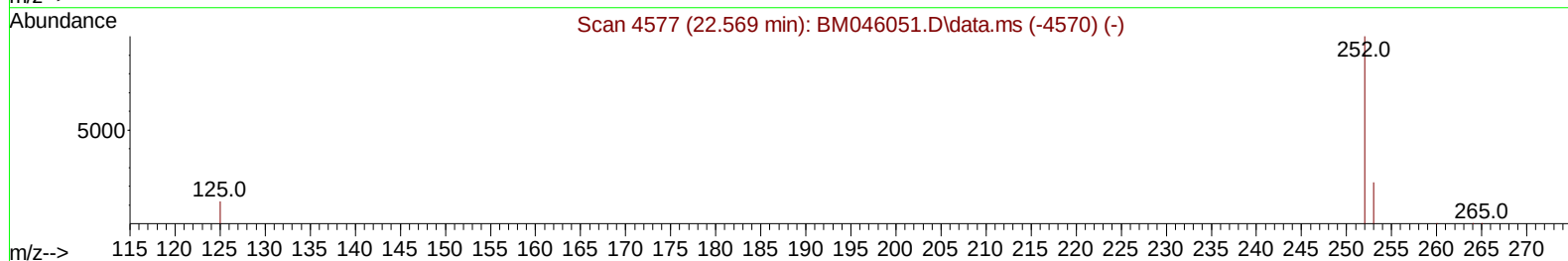
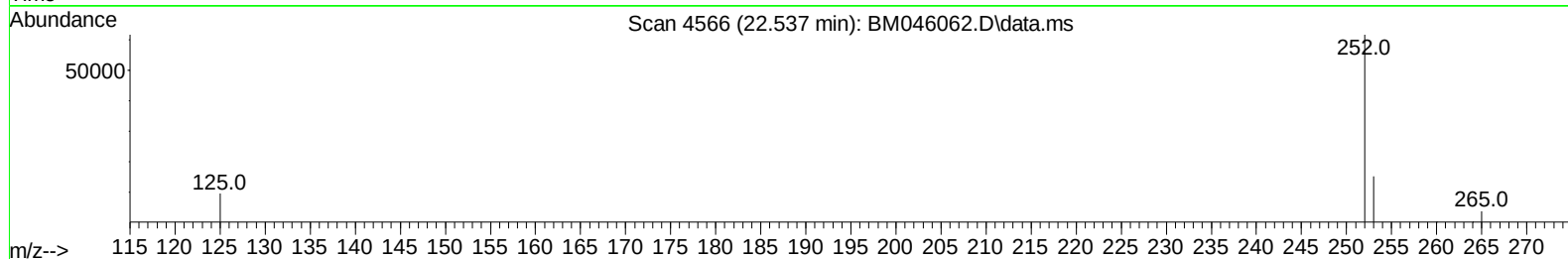
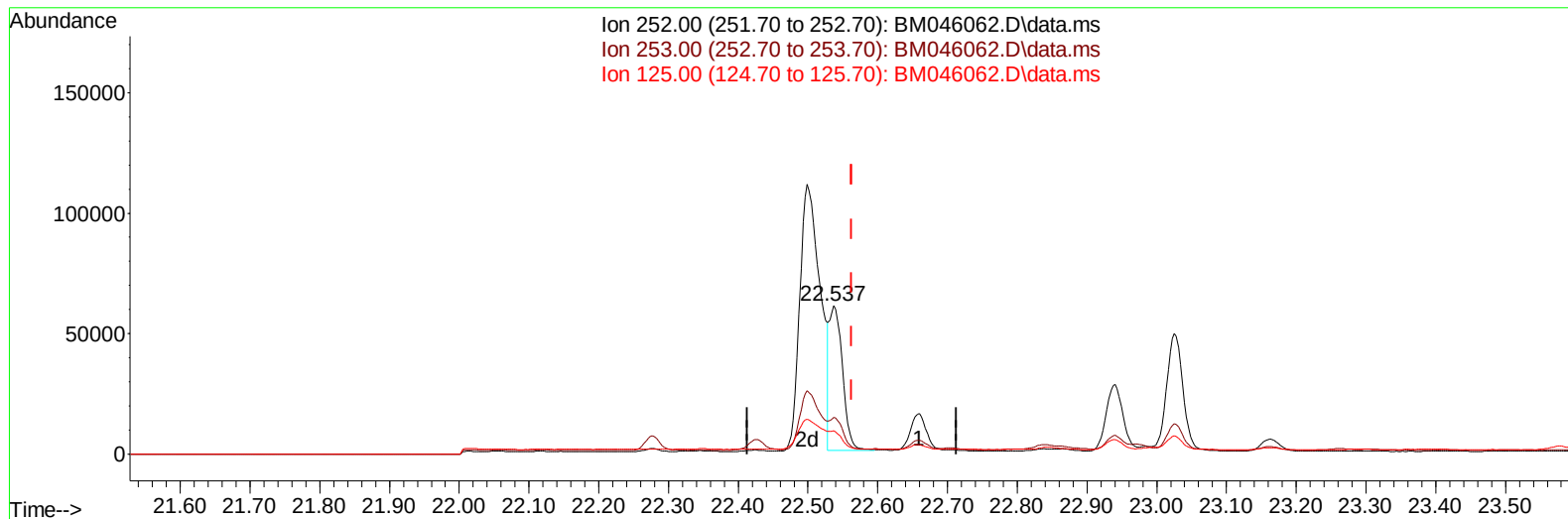
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046062.D
 Acq On : 18 Jun 2024 21:52
 Operator : MA/JU
 Sample : P2695-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK3

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:19 2024
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TIC: BM046062.D\data.ms

(25) Benzo(k)fluoranthene

22.537min (-0.026) 1.22 ng/u1 m

response 77721

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.60#
125.00	20.80	15.53#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P2695-10
 Misc :
 ALS Vial : 15 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	7.434	152	4808	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.204	136	13831	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.080	164	7375	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.823	188	15918m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.020	240	12756m	0.400	ng/ul	-0.02
23) Perylene-d12	23.119	264	14820m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.037	96	20269	3.073	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.820	152	4712	0.254	ng/ul	-0.04
18) Fluoranthene-d10	18.857	212	11843	0.310	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.248	128	4457	0.116	ng/ul	99
7) 2-Methylnaphthalene	11.897	142	1305	0.060	ng/ul	96
8) 1-Methylnaphthalene	12.112	142	1072	0.045	ng/ul	100
10) Acenaphthylene	13.797	152	8501	0.243	ng/ul	99
11) Acenaphthene	14.140	153	4527	0.179	ng/ul	99
12) Fluorene	15.134	166	5598	0.207	ng/ul	98
15) Phenanthrene	16.861	178	135522m	3.030	ng/ul	
16) Anthracene	16.954	178	23445m	0.704	ng/ul	
19) Fluoranthene	18.885	202	321503	5.821	ng/ul	97
20) Pyrene	19.247	202	215021	3.600	ng/ul	98
21) Benzo(a)anthracene	21.003	228	139196m	2.825	ng/ul	
22) Chrysene	21.056	228	157522	2.505	ng/ul	98
24) Benzo(b)fluoranthene	22.499	252	233032m	4.364	ng/ul	
25) Benzo(k)fluoranthene	22.537	252	77721m	1.224	ng/ul	
26) Benzo(a)pyrene	23.025	252	80094	1.619	ng/ul#	76
27) Indeno(1,2,3-cd)pyrene	25.169	276	85394	1.055	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.172	278	27618	0.458	ng/ul	96
29) Benzo(g,h,i)perylene	25.796	276	12806	0.184	ng/ul#	89

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

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