

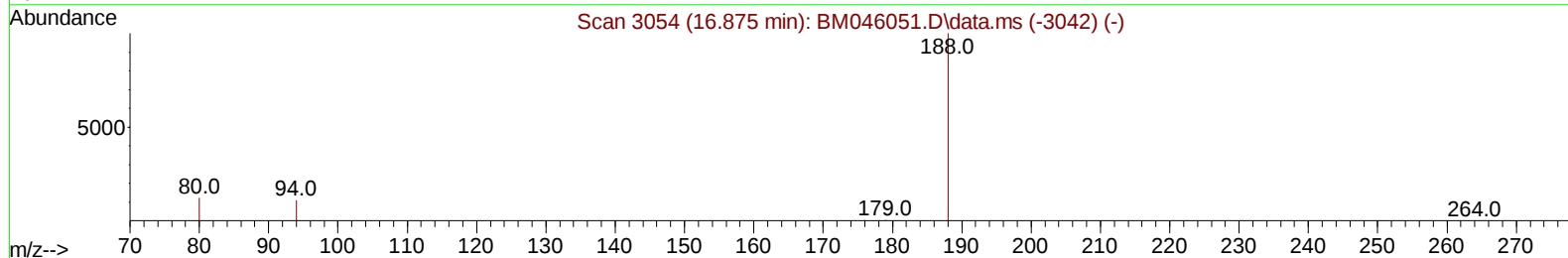
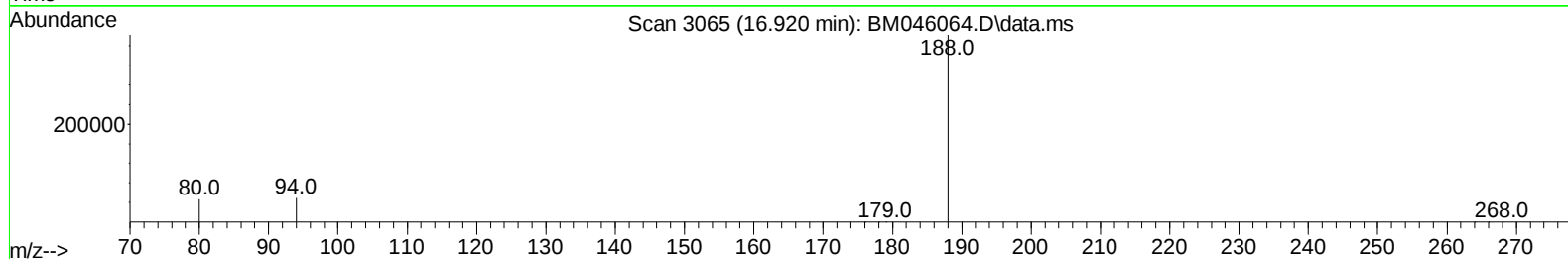
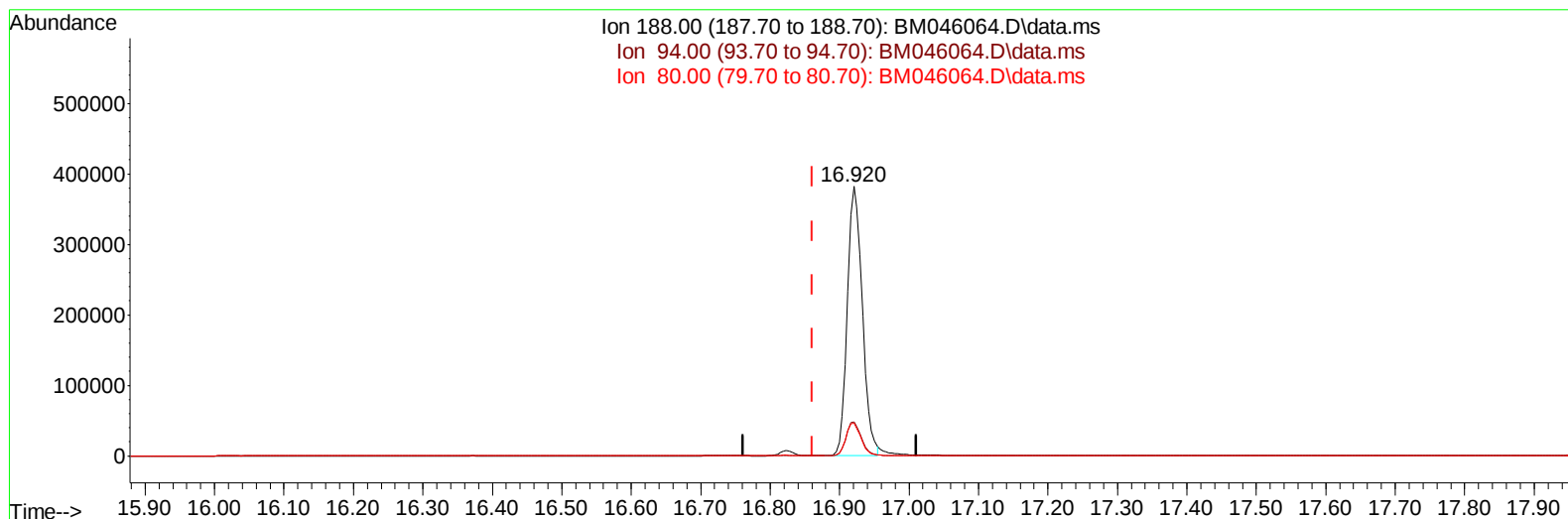
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 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: BM046064.D\data.ms

(13) Phenanthrene-d10 (I)

16.920min (+ 0.059) 0.40 ng/u1

response 571635

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.75
80.00	15.20	12.11#
0.00	0.00	0.00

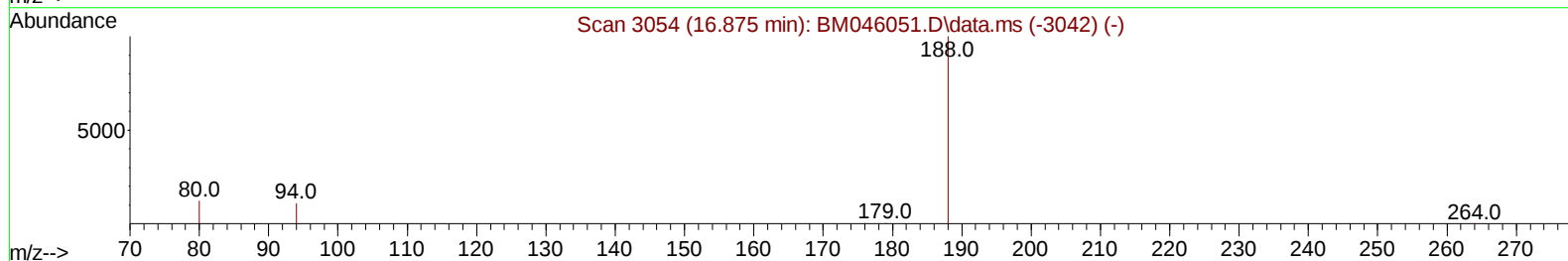
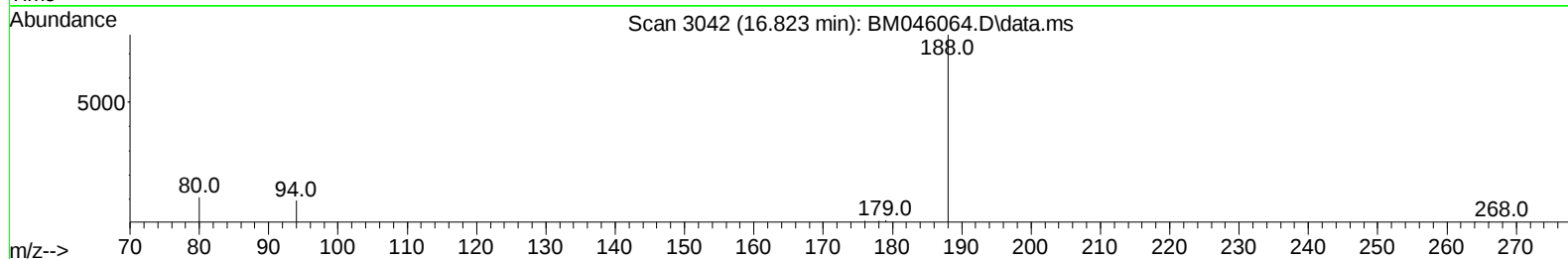
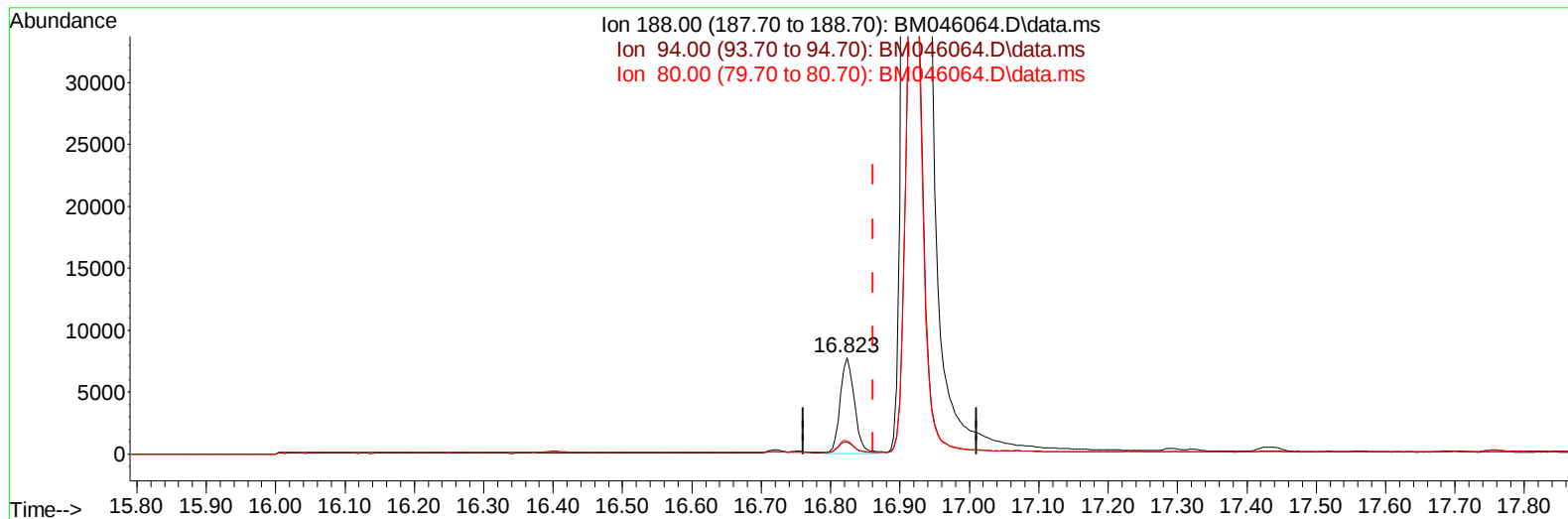
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 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: BM046064.D\data.ms

(13) Phenanthrene-d10 (I)

16.823min (-0.038) 0.40 ng/u1 m

response 11063

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.01
80.00	15.20	13.74
0.00	0.00	0.00

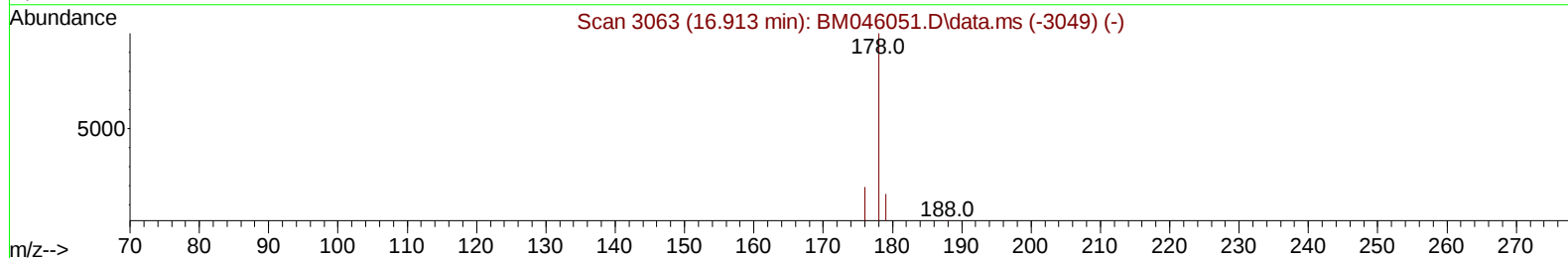
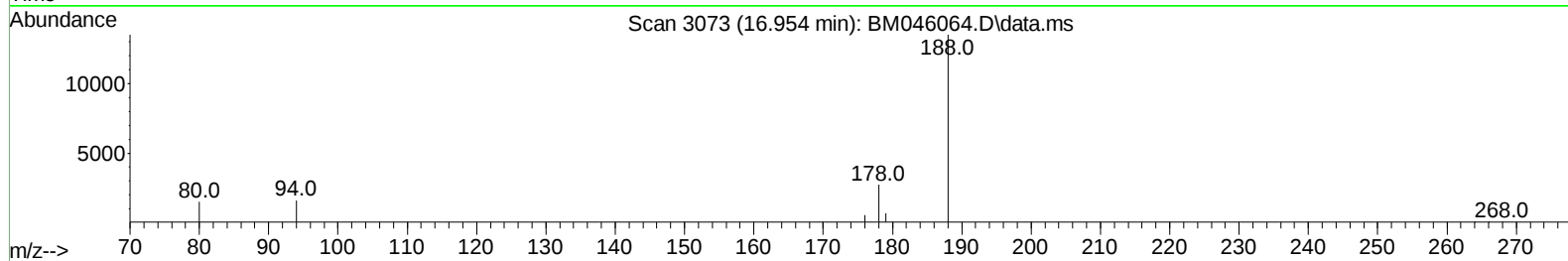
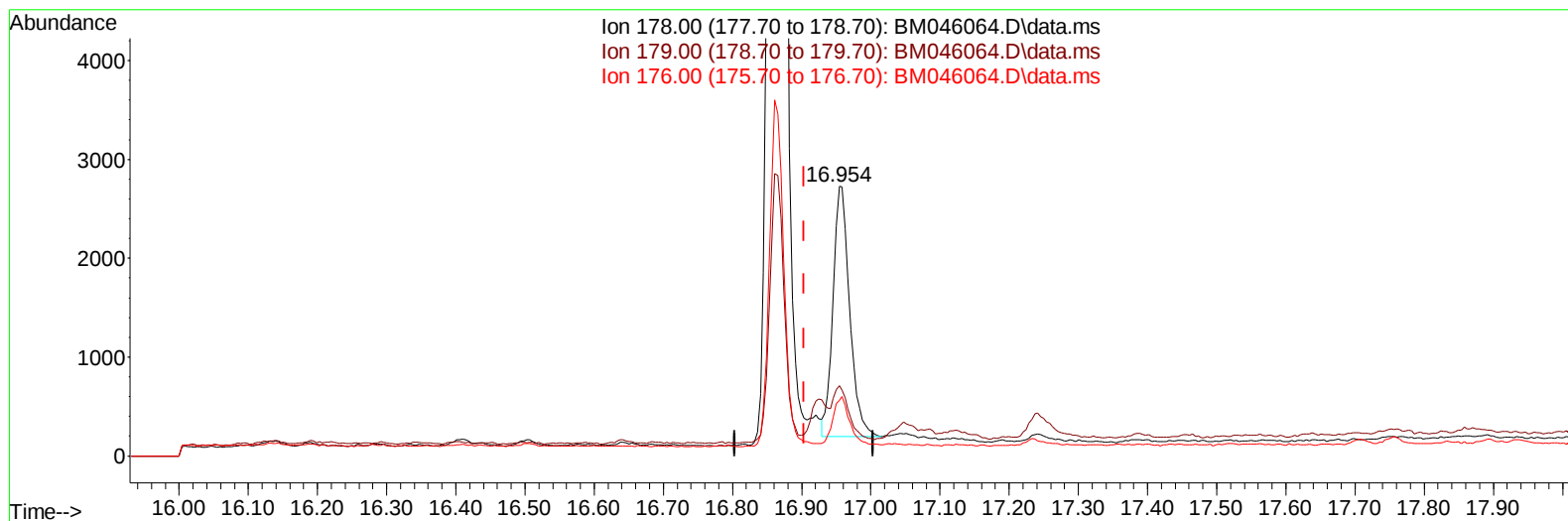
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 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: BM046064.D\data.ms

(15) Phenanthrene

16.954min (+ 0.051) 0.14 ng/u1

response 4244

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	26.12#
176.00	21.40	20.62
0.00	0.00	0.00

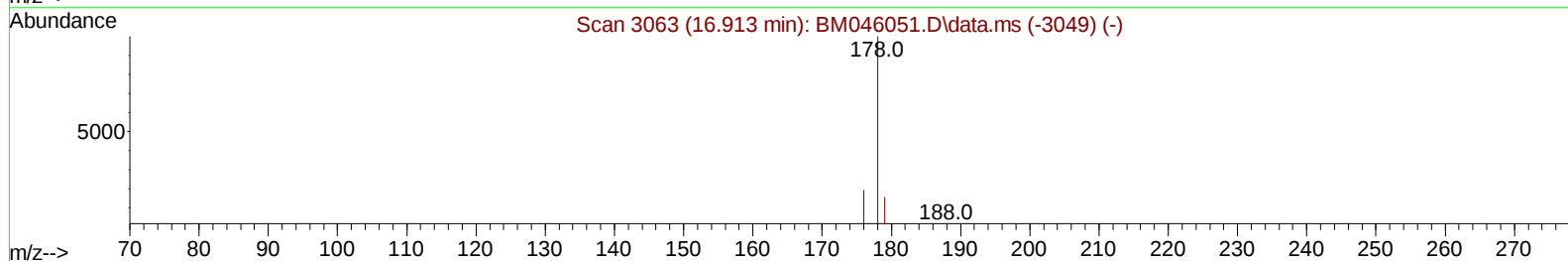
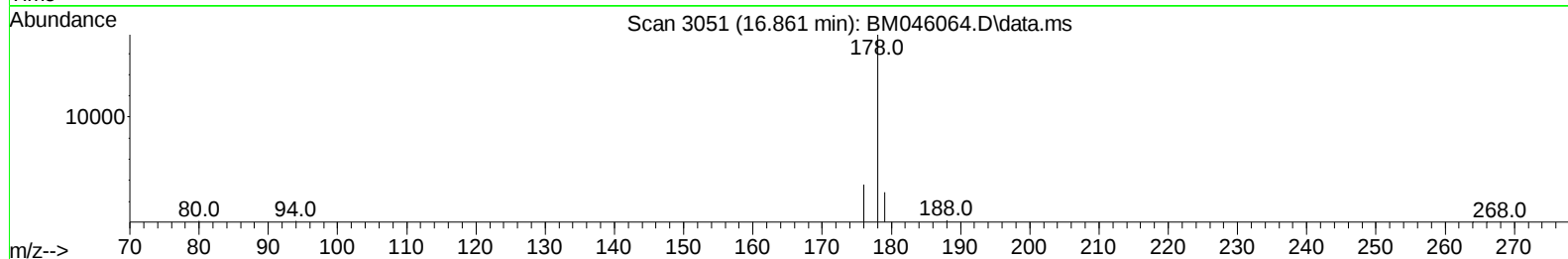
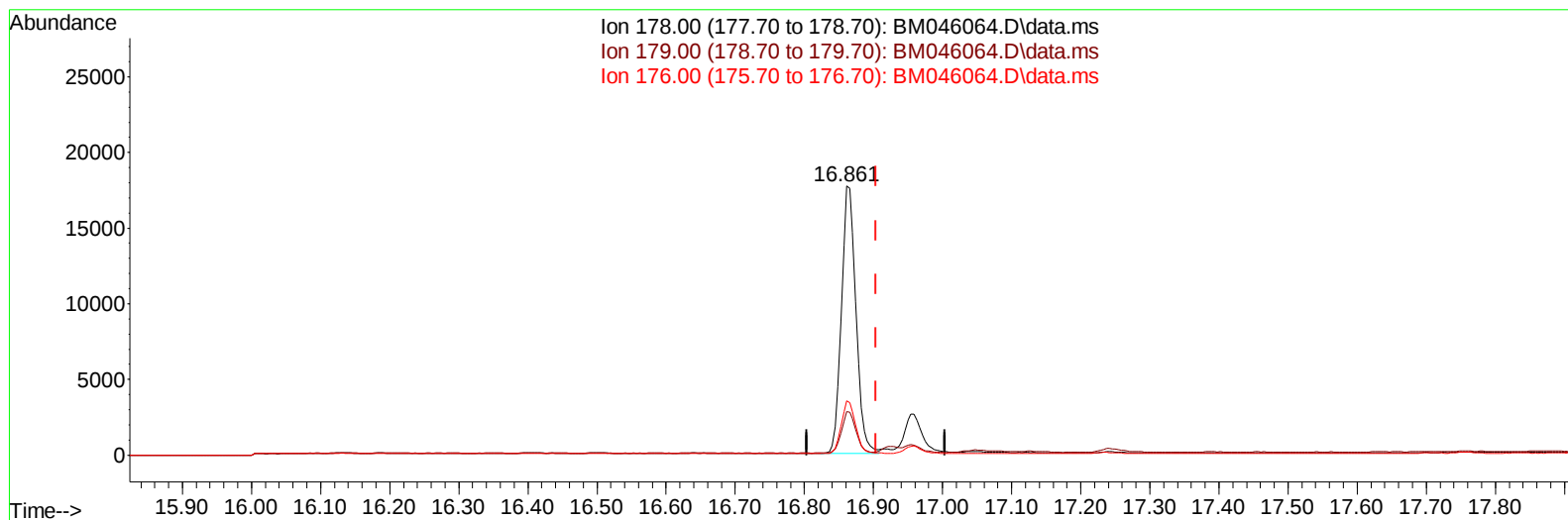
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046064.D
 Acq On : 18 Jun 2024 23:05
 Operator : MA/JU
 Sample : P2695-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 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: BM046064.D\data.ms

(15) Phenanthrene

16.861min (-0.042) 0.83 ng/ul m

response 25835

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.07
176.00	21.40	20.27
0.00	0.00	0.00

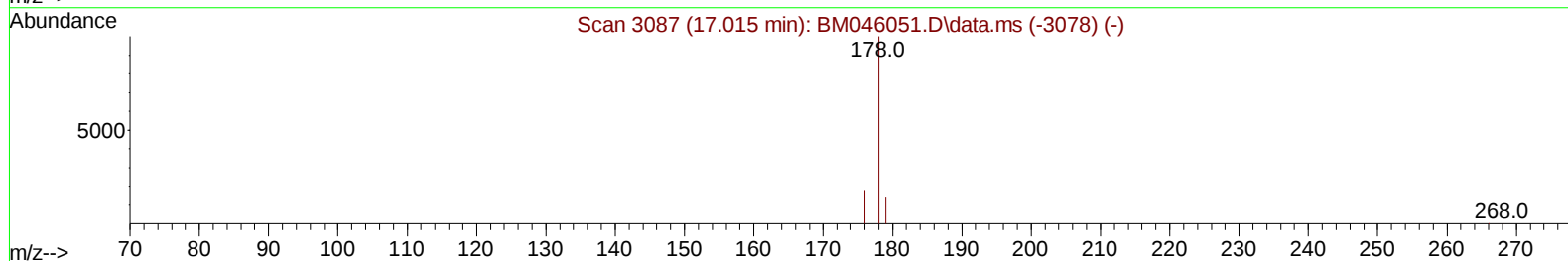
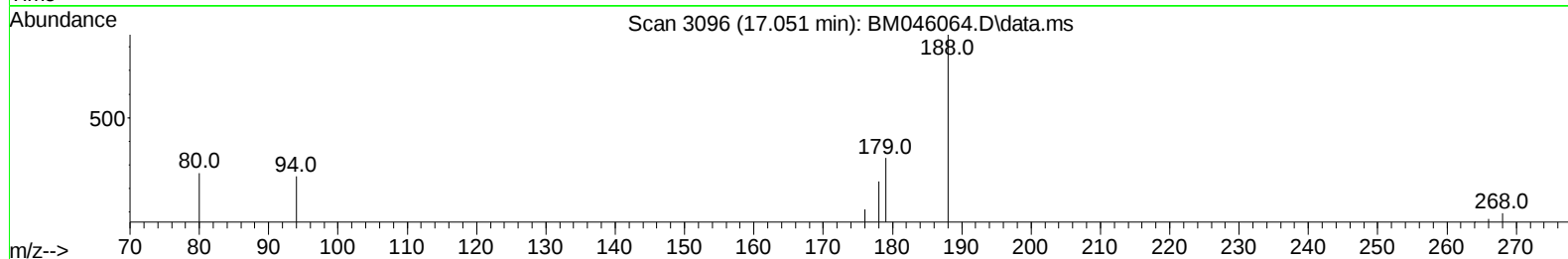
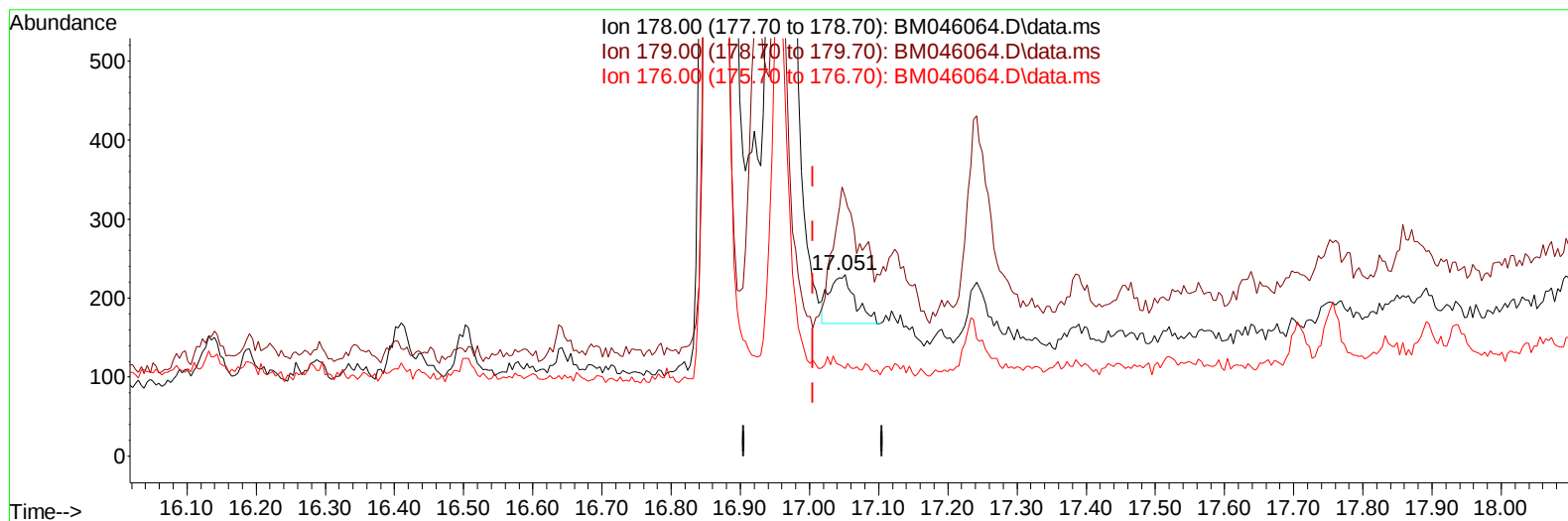
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046064.D\data.ms

(16) Anthracene

17.051min (+ 0.046) 0.01 ng/u1

response 160

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	142.61#
176.00	21.20	48.26#
0.00	0.00	0.00

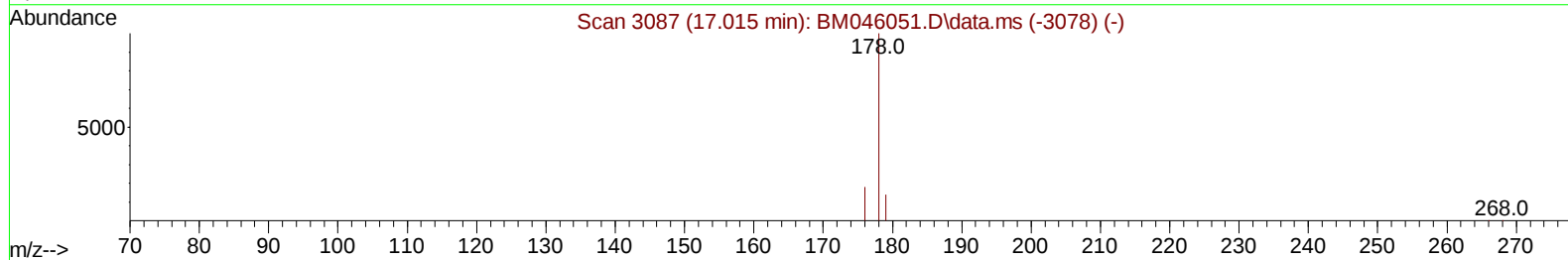
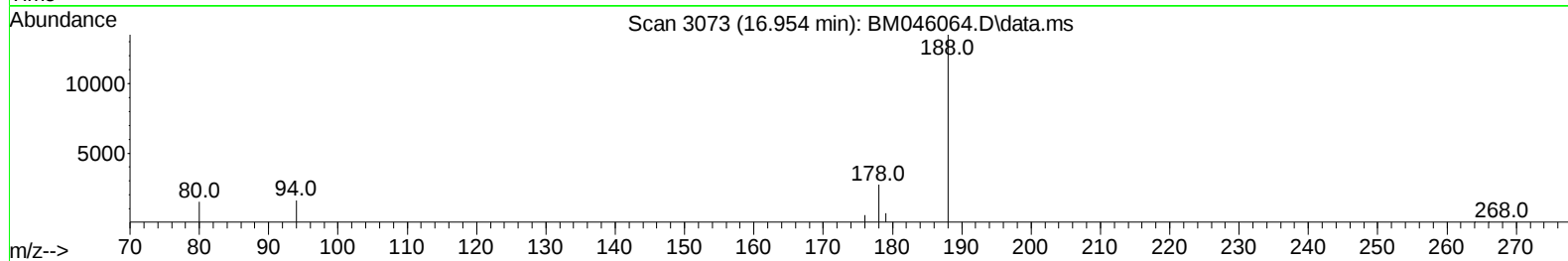
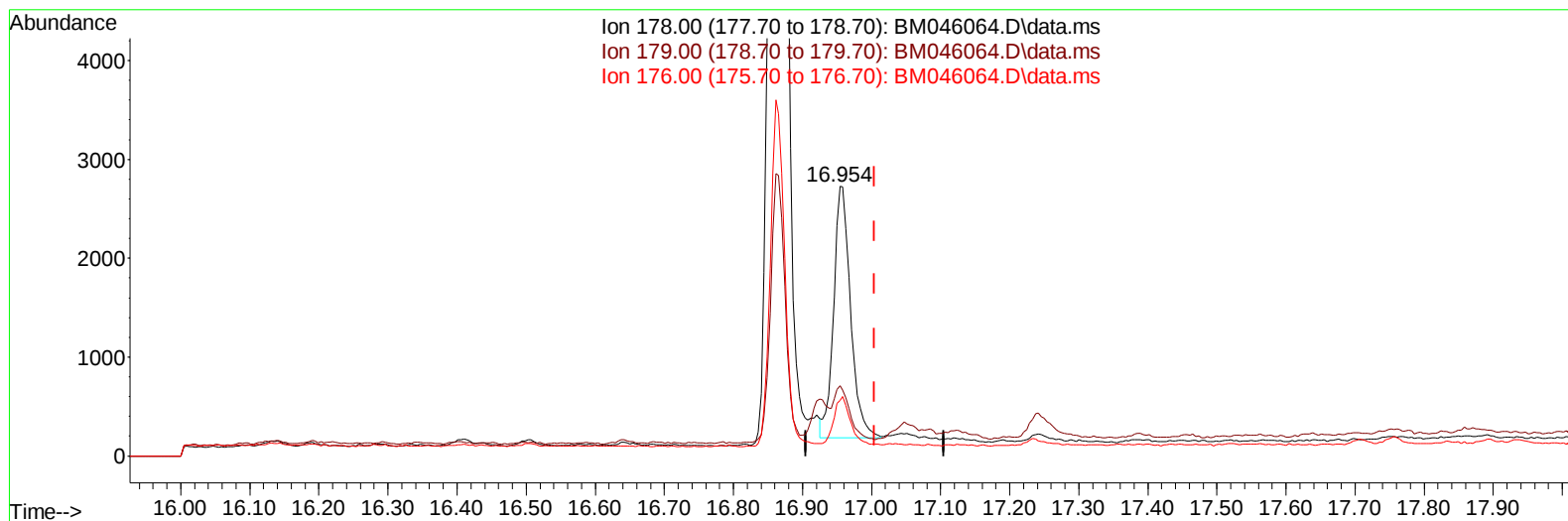
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM046064.D\data.ms

(16) Anthracene

16.954min (-0.051) 0.19 ng/ul m

response 4342

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	26.12#
176.00	21.20	20.62
0.00	0.00	0.00

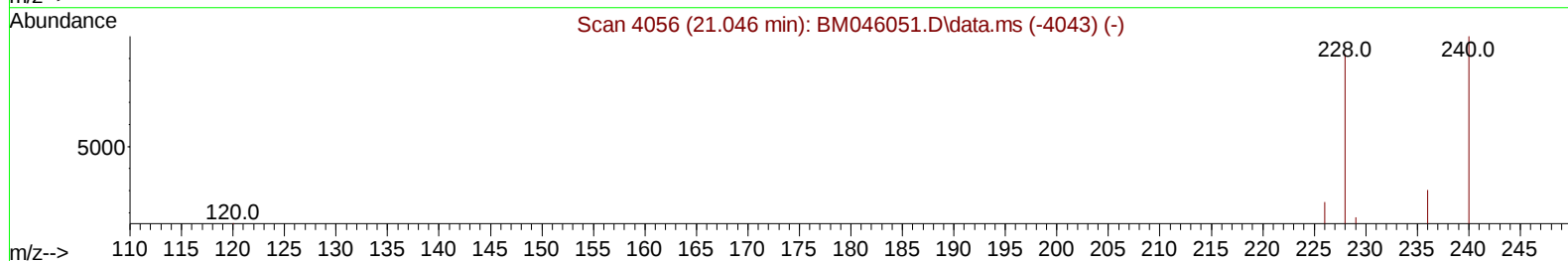
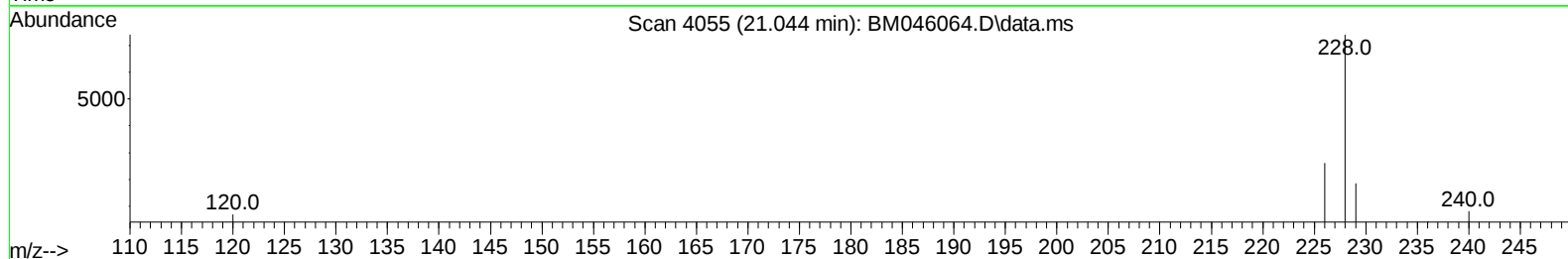
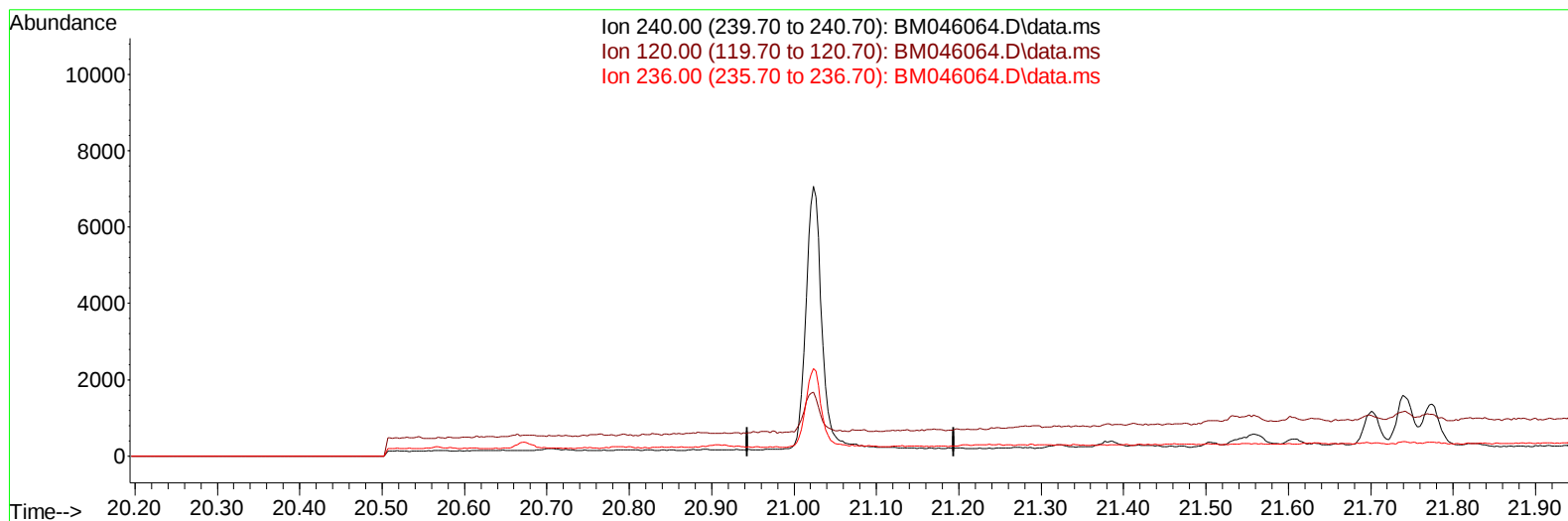
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM046064.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

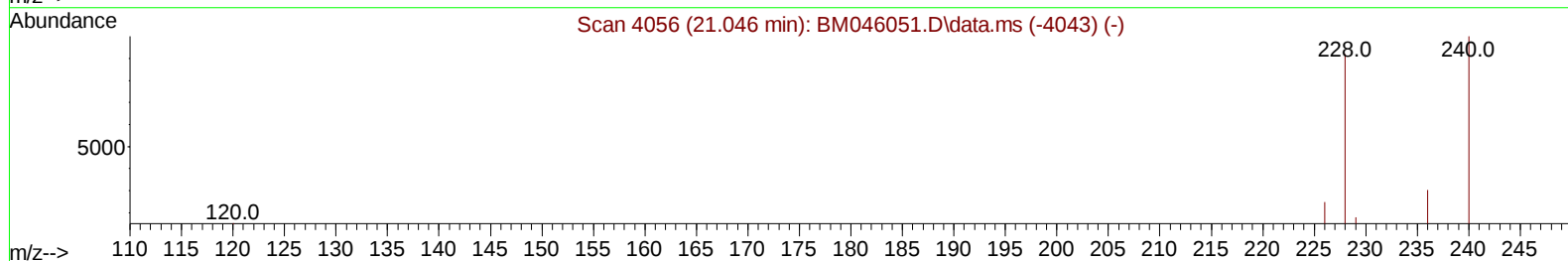
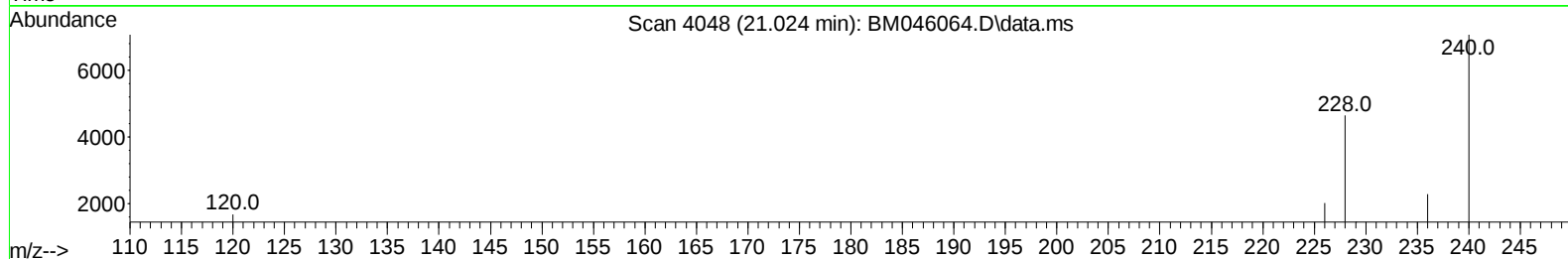
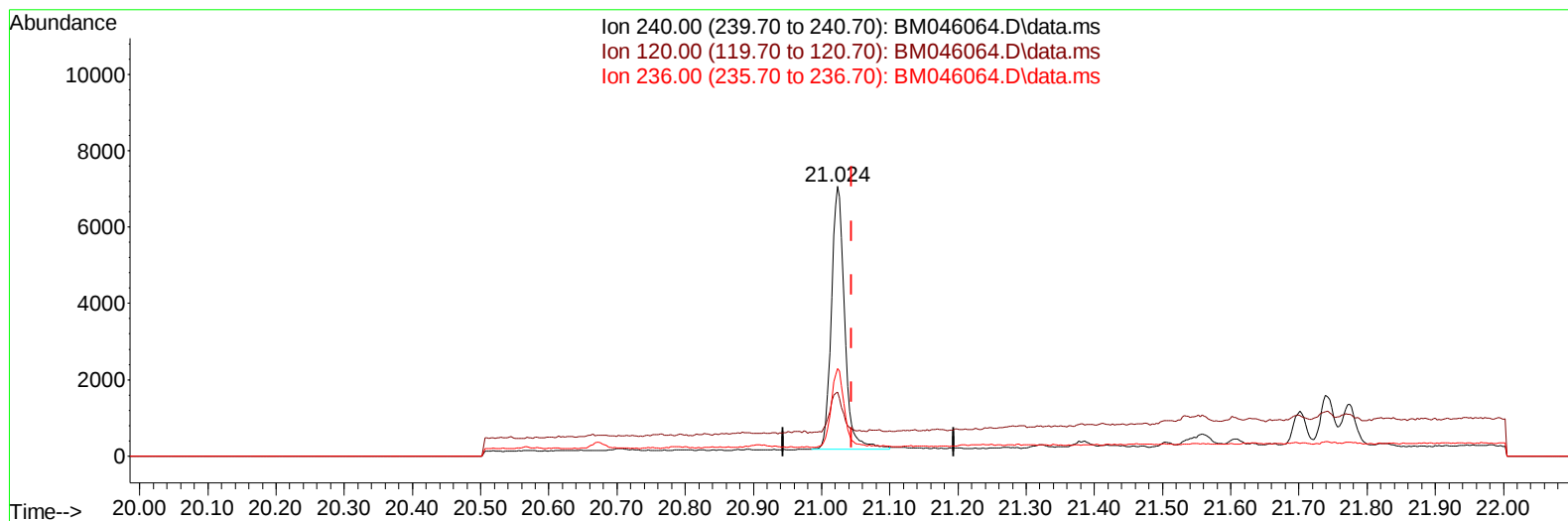
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 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

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Supervised By :mohammad ahmed 06/21/2024



TIC: BM046064.D\data.ms

(17) Chrysene-d12

21.024min (-0.020) 0.40 ng/ul m

response 9320

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	23.67
236.00	33.60	32.39
0.00	0.00	0.00

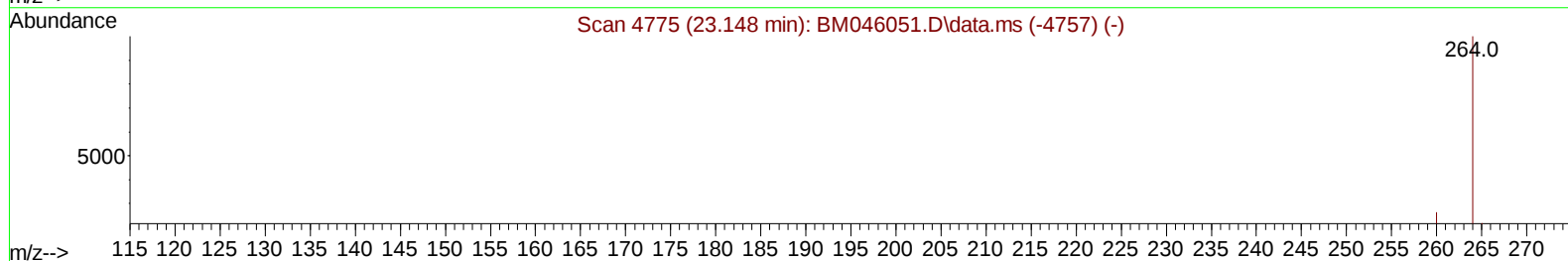
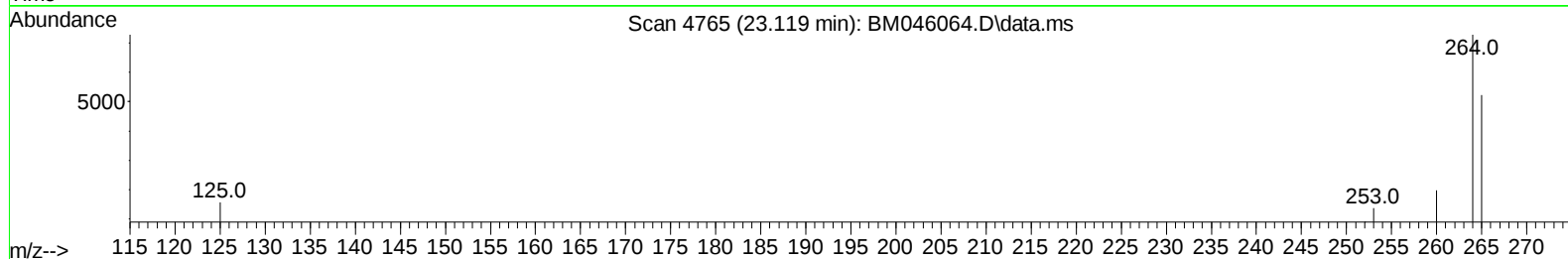
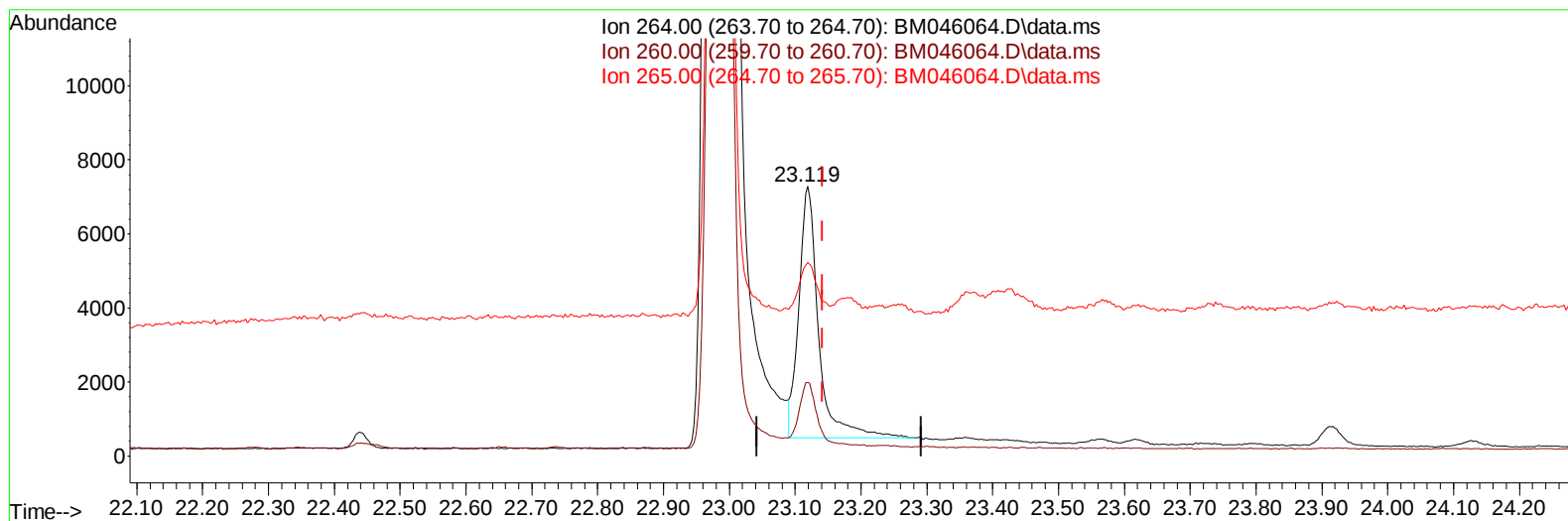
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046064.D\data.ms

(23) Perylene-d12 (I)

23.119min (-0.023) 0.40 ng/u1

response 14312

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.26
265.00	110.60	71.76#
0.00	0.00	0.00

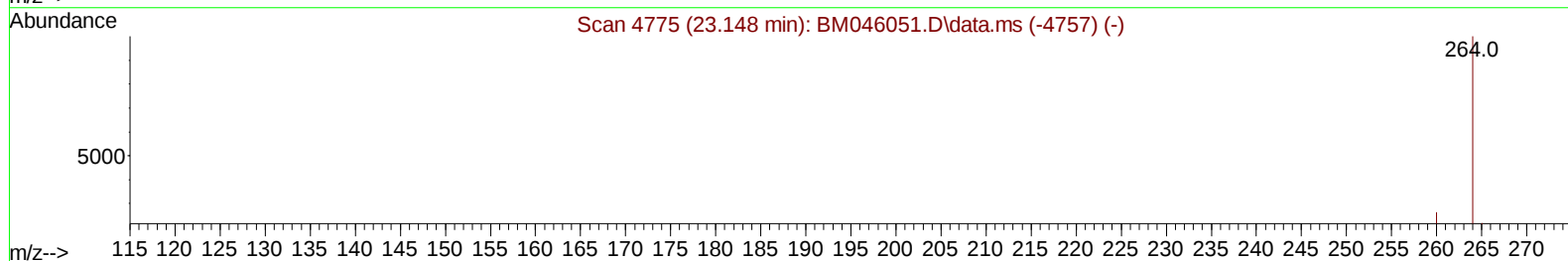
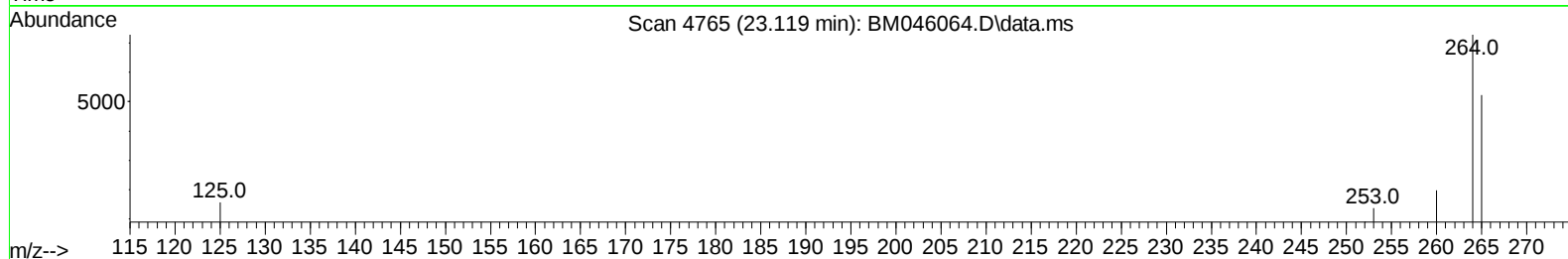
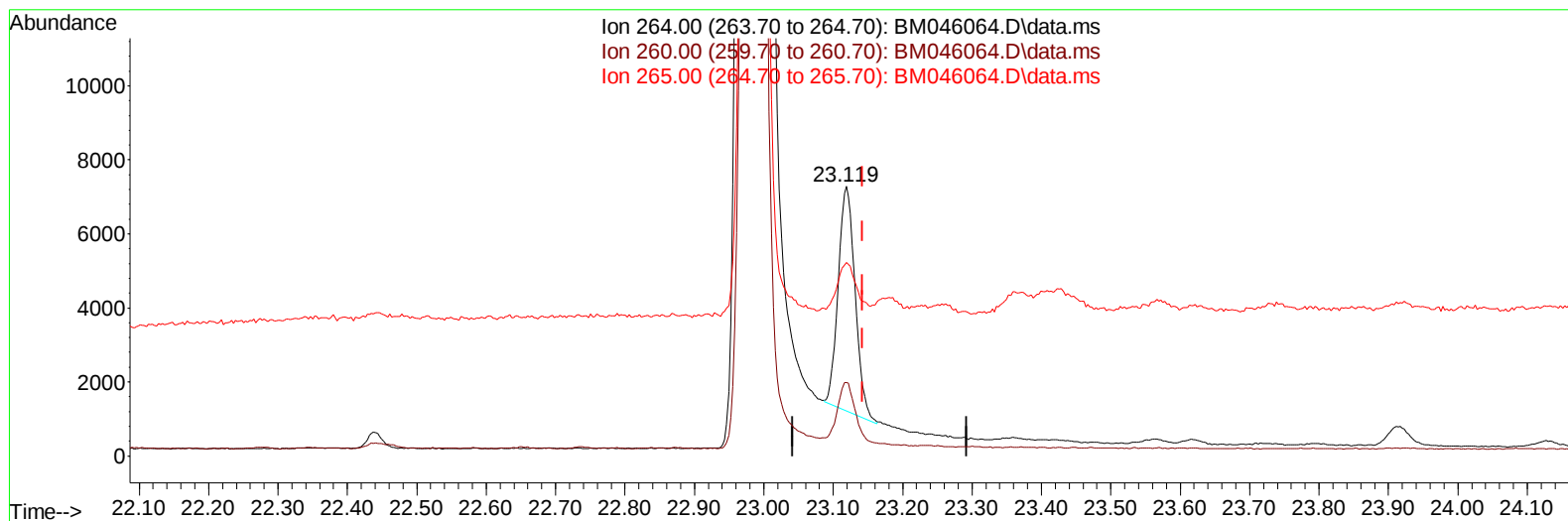
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046064.D\data.ms

(23) Perylene-d12 (I)

23.119min (-0.023) 0.40 ng/ul m

response 10196

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.26
265.00	110.60	71.76#
0.00	0.00	0.00

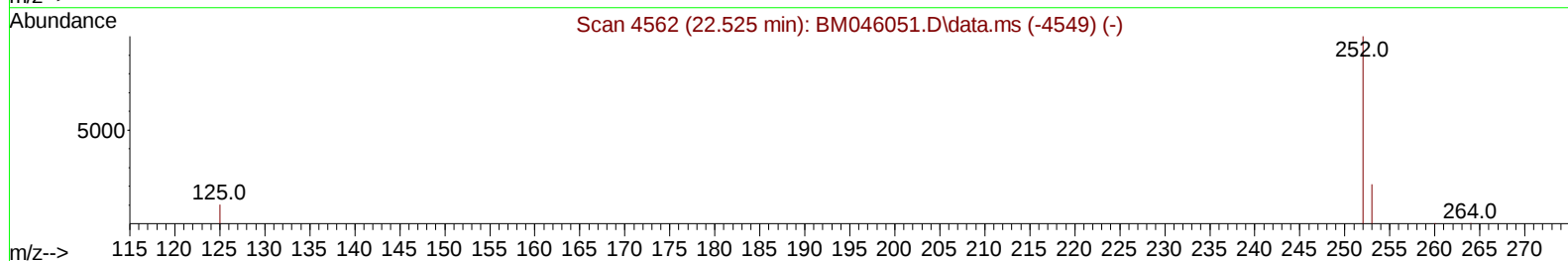
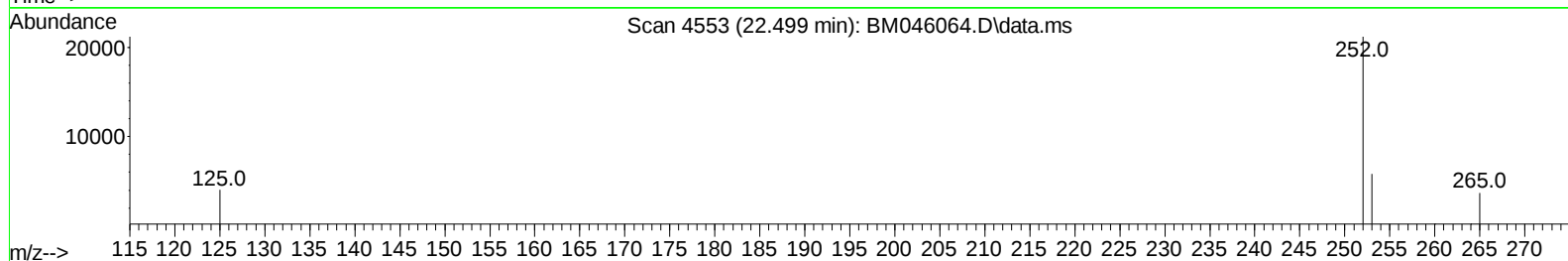
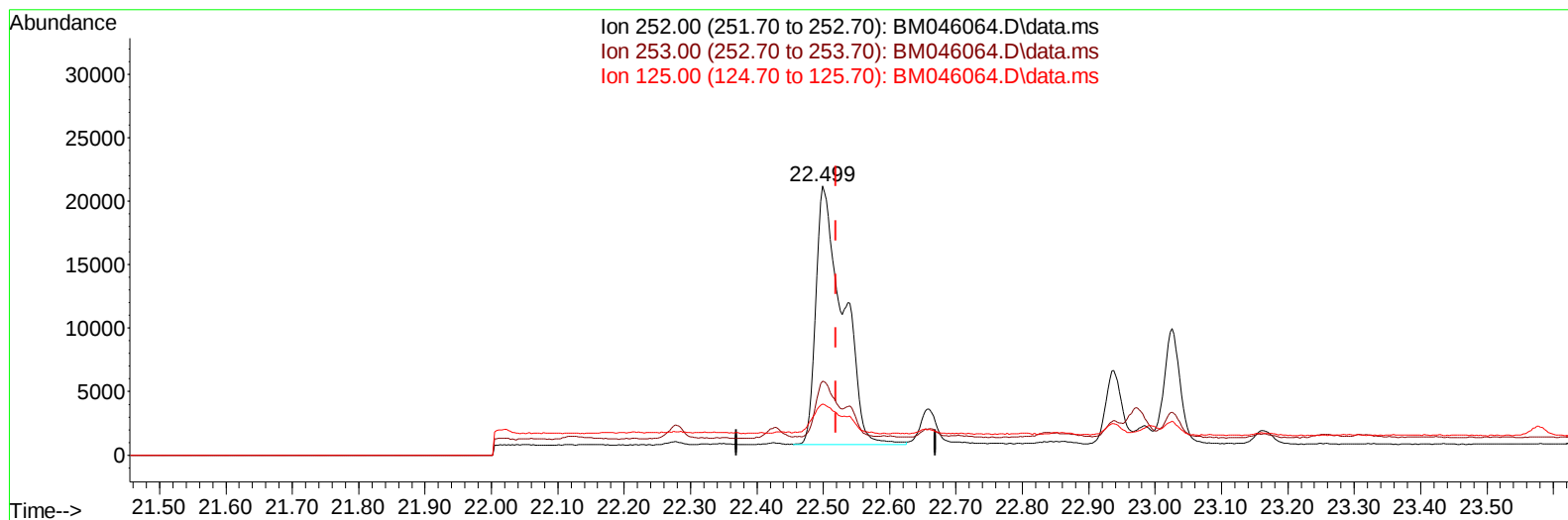
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

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TIC: BM046064.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.020) 1.57 ng/u1

response 57742

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	27.52
125.00	20.10	18.95
0.00	0.00	0.00

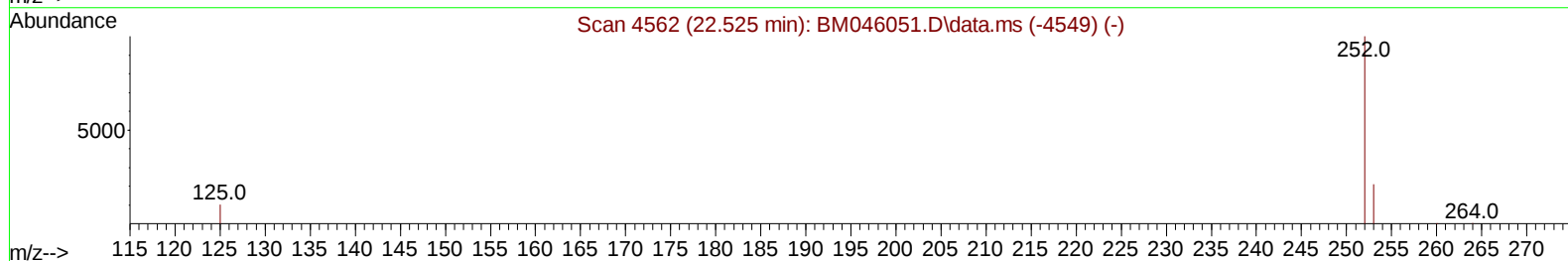
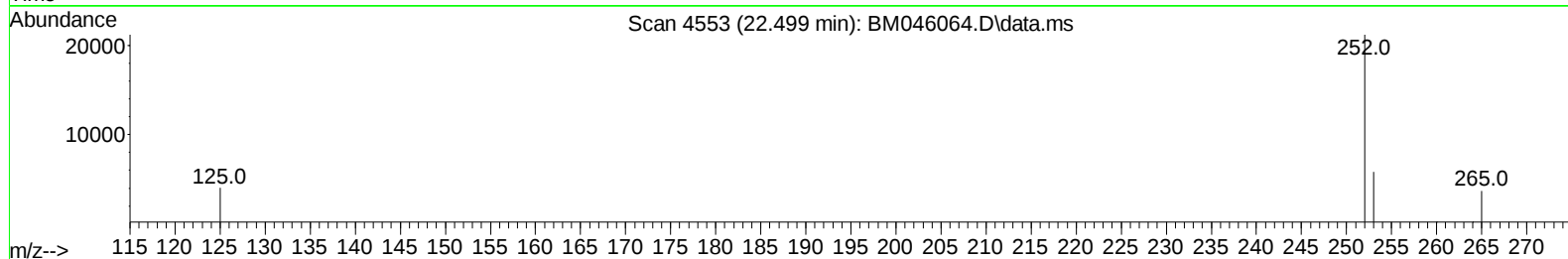
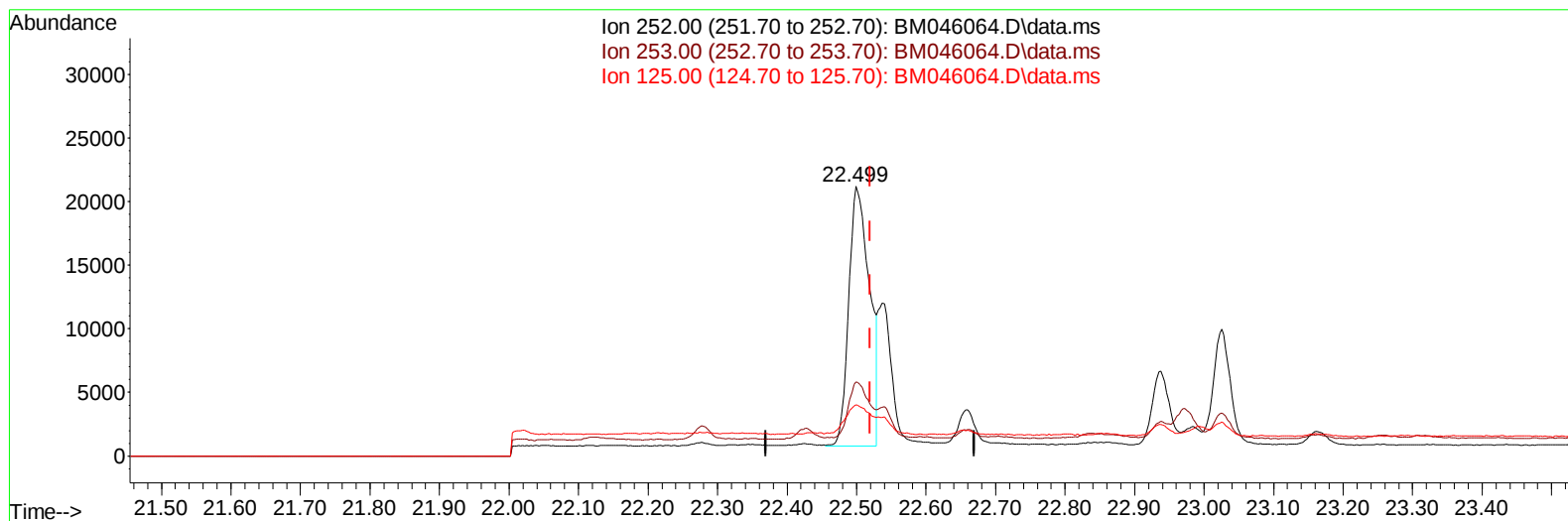
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046064.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.020) 1.15 ng/u1 m

response 42347

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	27.52
125.00	20.10	18.95
0.00	0.00	0.00

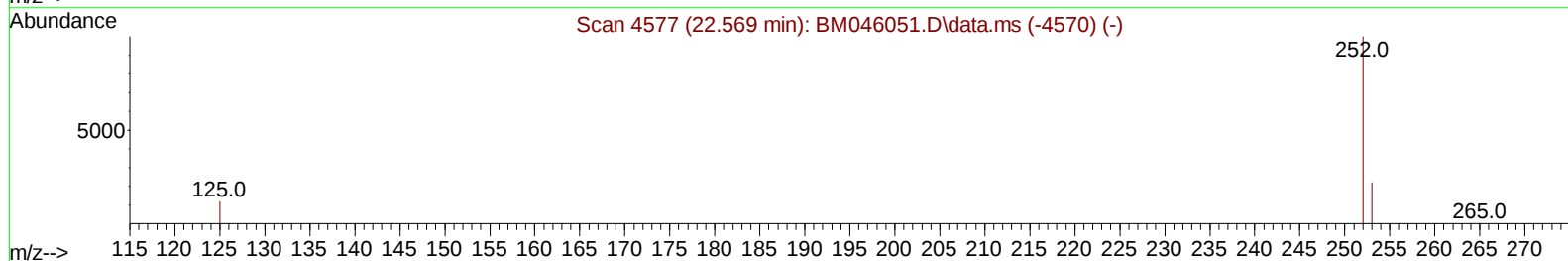
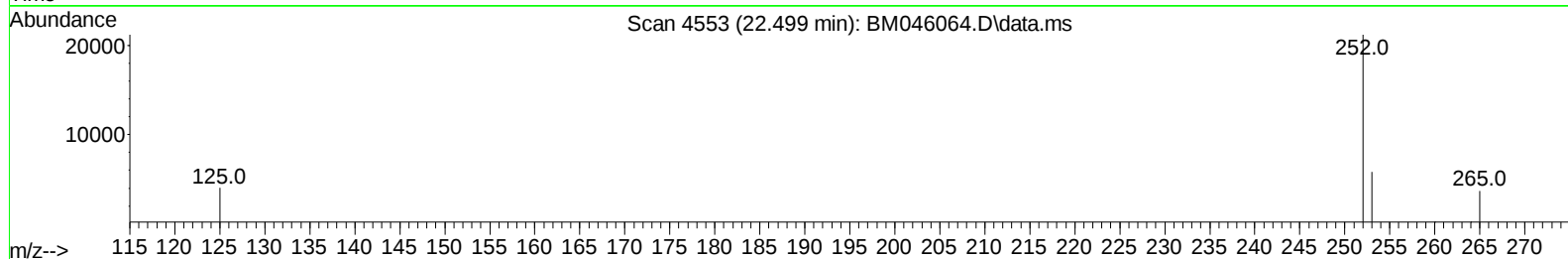
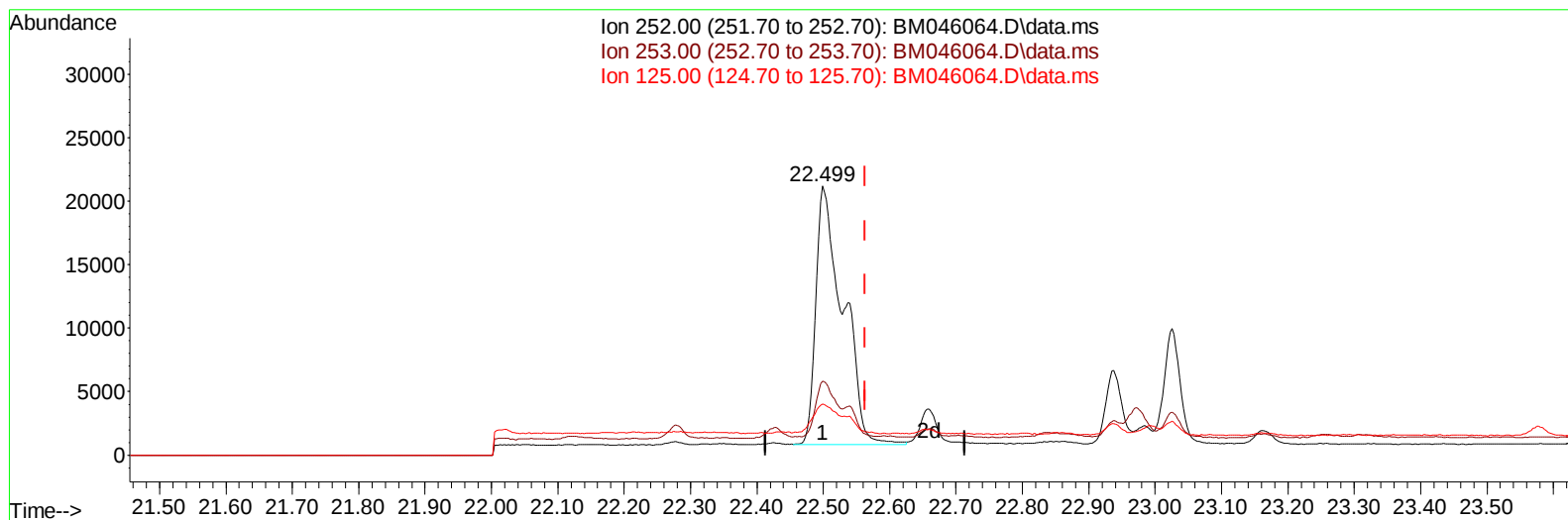
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:24:41 2024
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TIC: BM046064.D\data.ms

(25) Benzo(k)fluoranthene

22.499min (-0.064) 1.32 ng/u1

response 57742

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	27.52
125.00	20.80	18.95
0.00	0.00	0.00

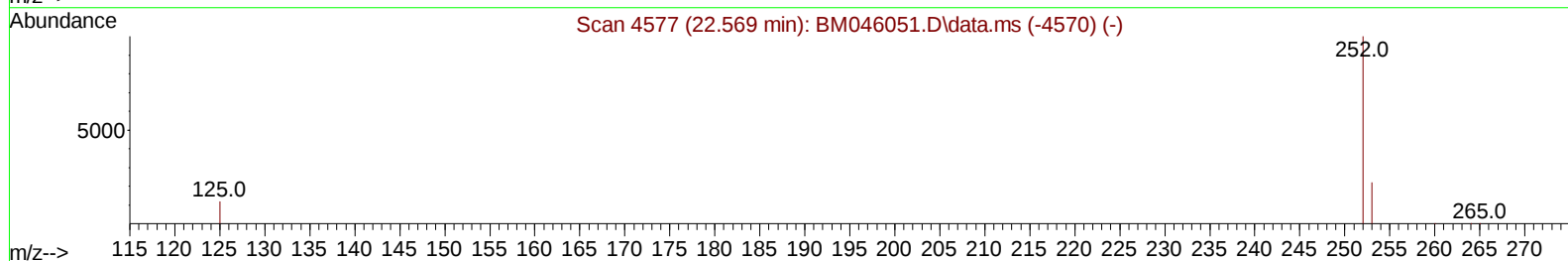
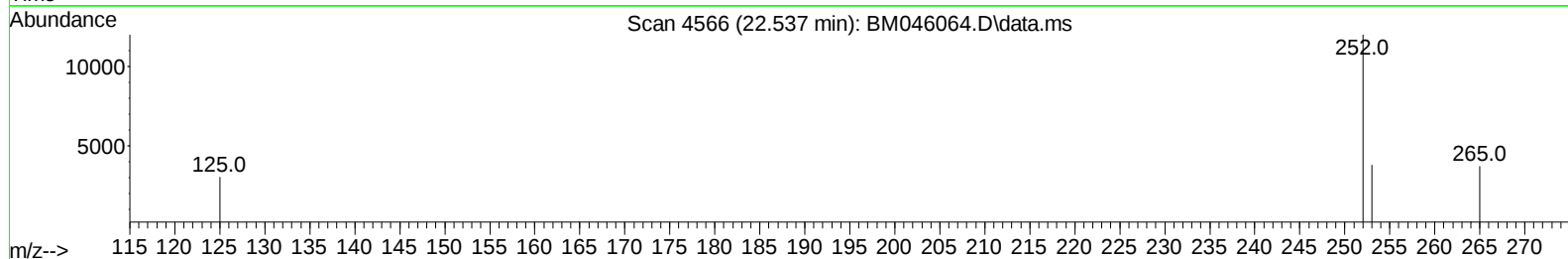
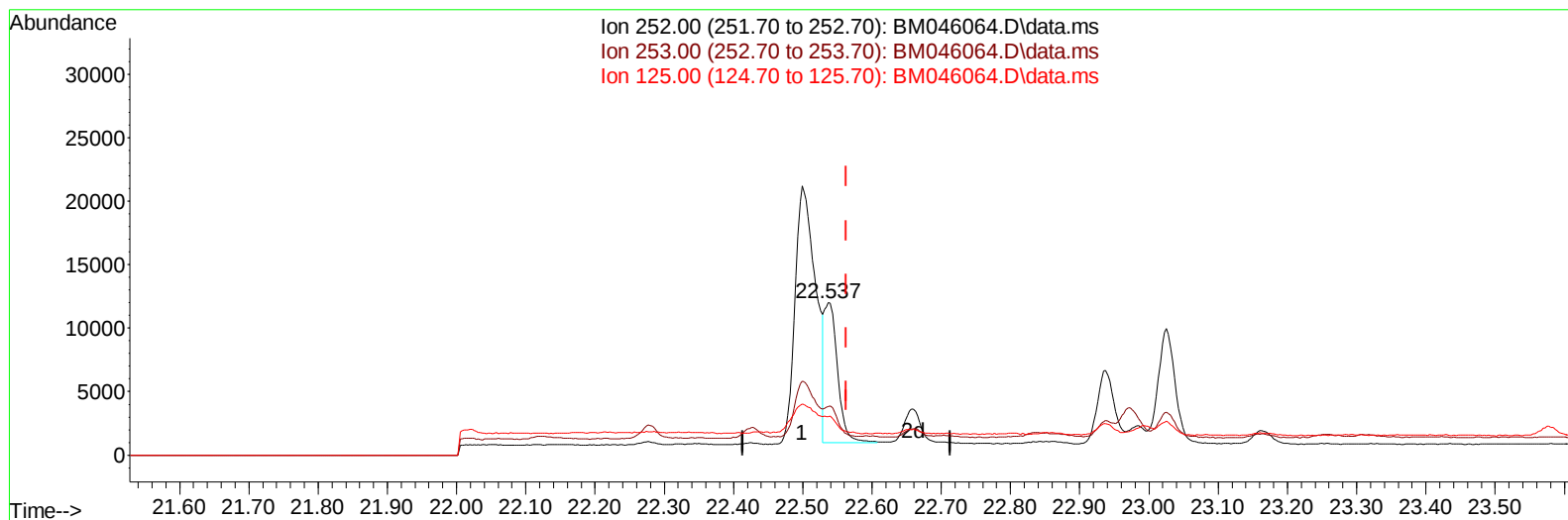
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046064.D
Acq On : 18 Jun 2024 23:05
Operator : MA/JU
Sample : P2695-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 06/19/2024
Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 08:24:41 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



TIC: BM046064.D\data.ms

(25) Benzo(k)fluoranthene

22.537min (-0.026) 0.34 ng/u1 m

response 15016

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	31.73
125.00	20.80	25.31#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046064.D
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	3425	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.204	136	9672	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.080	164	5178	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.823	188	11063m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.024	240	9320m	0.400	ng/ul	-0.02
23) Perylene-d12	23.119	264	10196m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.038	96	15294	3.255	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.832	152	3263	0.251	ng/ul	-0.03
18) Fluoranthene-d10	18.857	212	8186	0.293	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.253	128	1534	0.057	ng/ul#	90
7) 2-Methylnaphthalene	11.903	142	527	0.035	ng/ul	90
8) 1-Methylnaphthalene	12.118	142	400	0.024	ng/ul	97
10) Acenaphthylene	13.798	152	2132	0.087	ng/ul#	90
11) Acenaphthene	14.145	153	1071	0.060	ng/ul	94
12) Fluorene	15.135	166	1196	0.063	ng/ul#	95
15) Phenanthrene	16.861	178	25835m	0.831	ng/ul	
16) Anthracene	16.954	178	4342m	0.188	ng/ul	
19) Fluoranthene	18.885	202	56573	1.402	ng/ul	99
20) Pyrene	19.252	202	41735	0.956	ng/ul	97
21) Benzo(a)anthracene	21.006	228	22999	0.639	ng/ul	97
22) Chrysene	21.059	228	28440	0.619	ng/ul	97
24) Benzo(b)fluoranthene	22.499	252	42347m	1.153	ng/ul	
25) Benzo(k)fluoranthene	22.537	252	15016m	0.344	ng/ul	
26) Benzo(a)pyrene	23.025	252	15532	0.456	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.169	276	17320	0.311	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.179	278	4934	0.119	ng/ul#	70
29) Benzo(g,h,i)perylene	25.799	276	3078	0.064	ng/ul#	59

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

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