

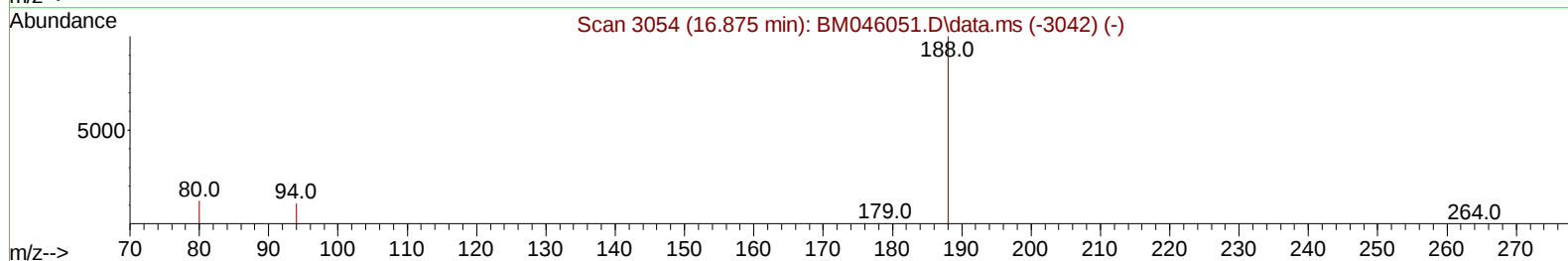
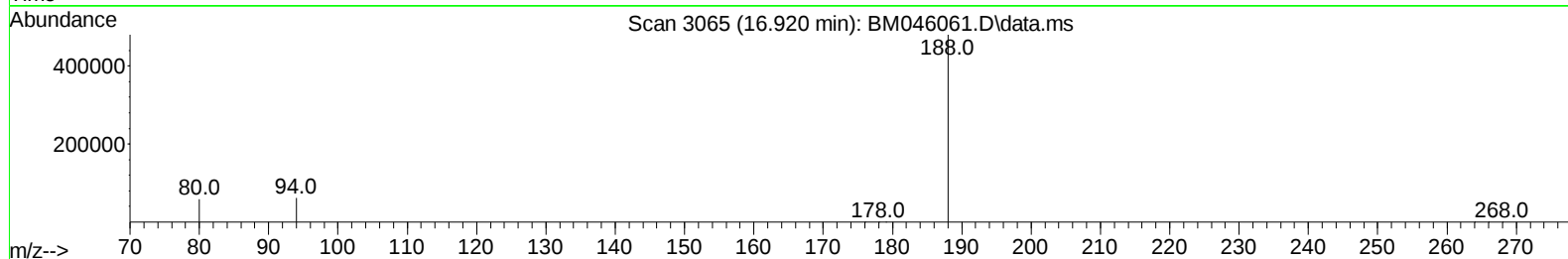
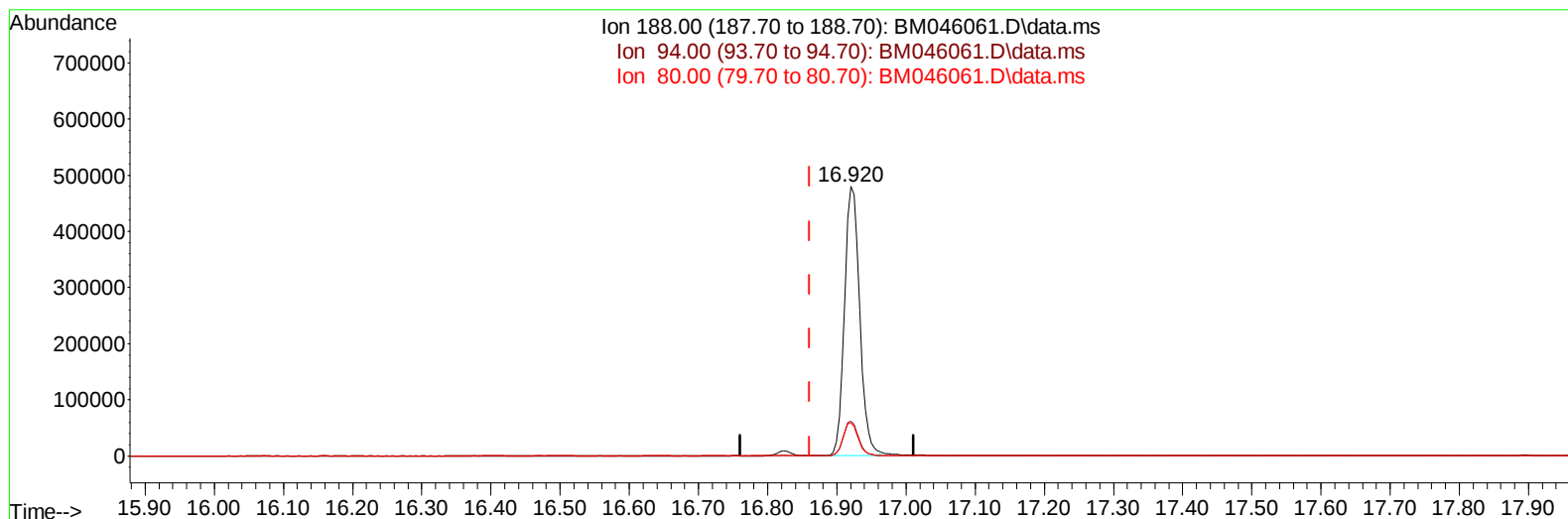
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(13) Phenanthrene-d10 (I)

16.920min (+ 0.059) 0.40 ng/u1

response 734163

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.80
80.00	15.20	12.23
0.00	0.00	0.00

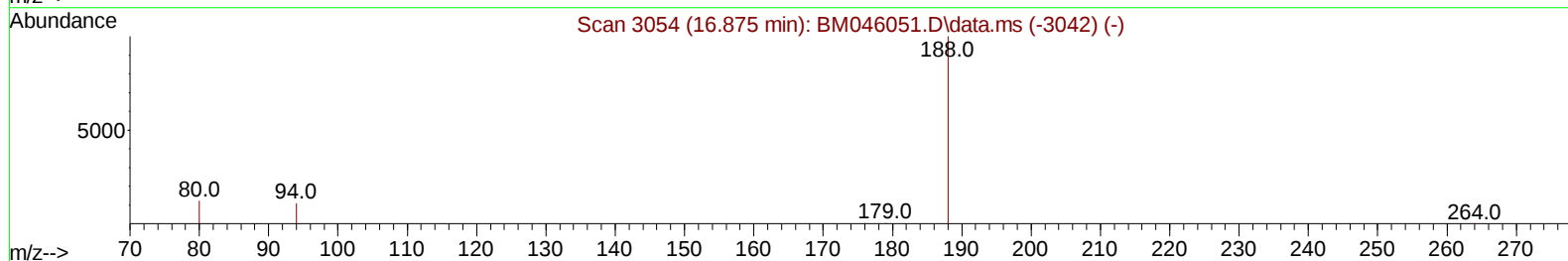
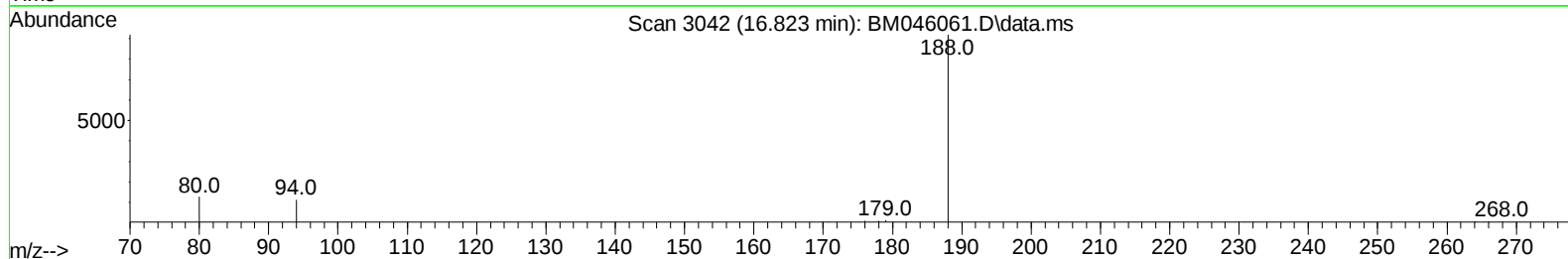
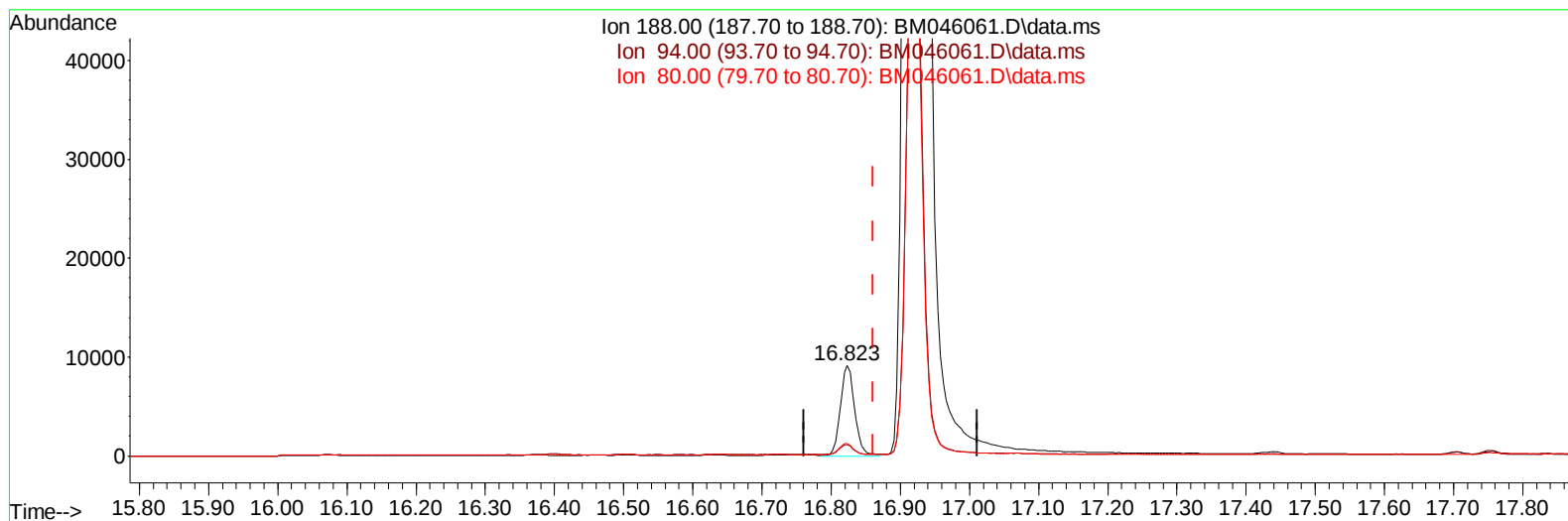
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(13) Phenanthrene-d10 (I)

16.823min (-0.038) 0.40 ng/ul m

response 13165

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.42
80.00	15.20	13.99
0.00	0.00	0.00

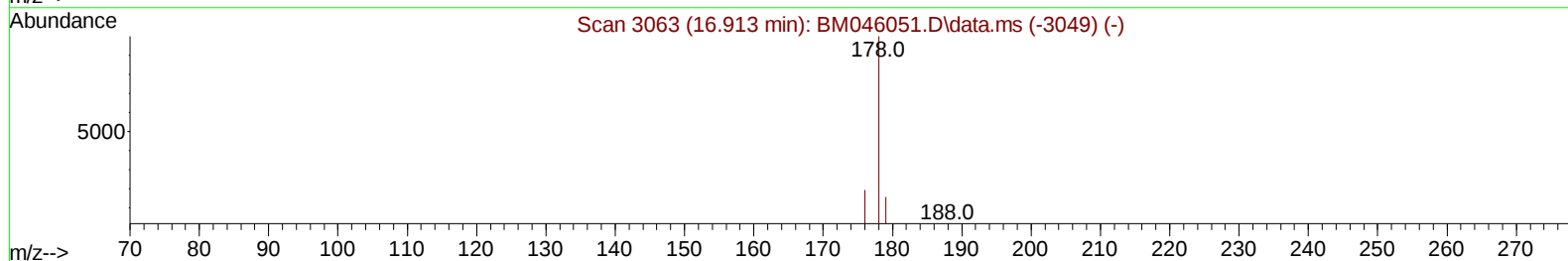
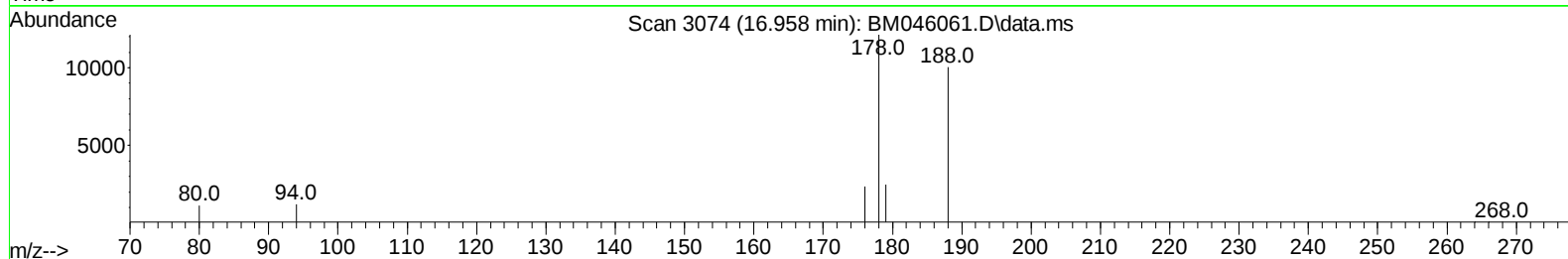
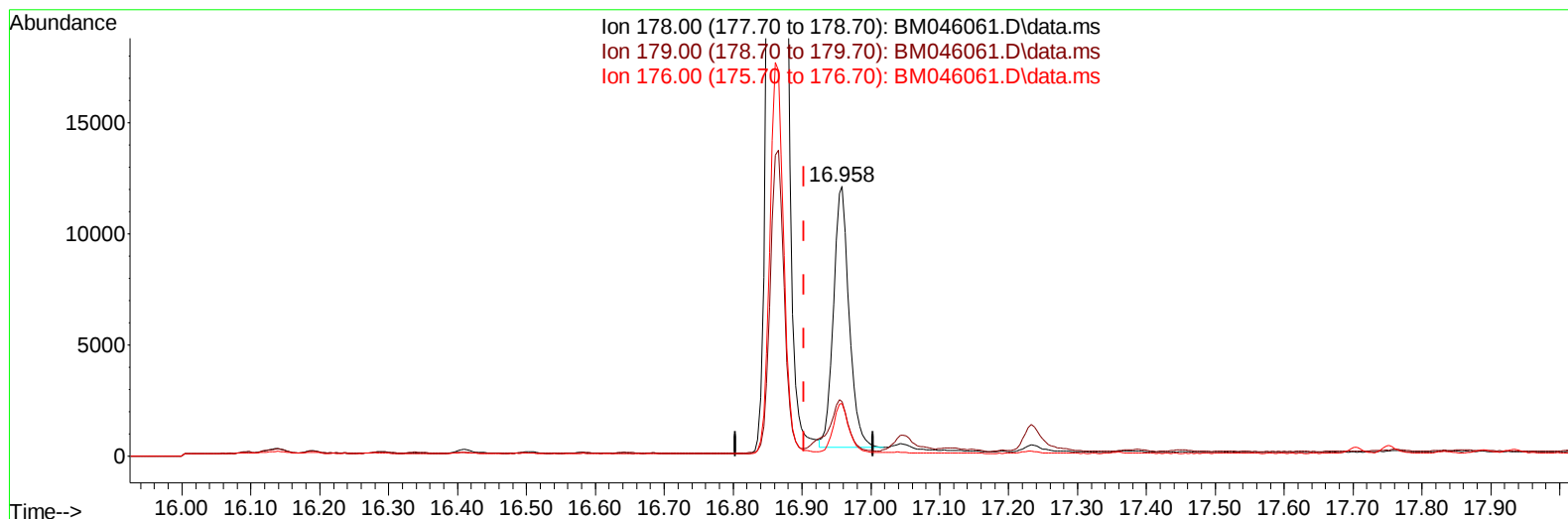
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(15) Phenanthrene

16.958min (+ 0.055) 0.50 ng/u1

response 18576

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	20.23
176.00	21.40	19.35
0.00	0.00	0.00

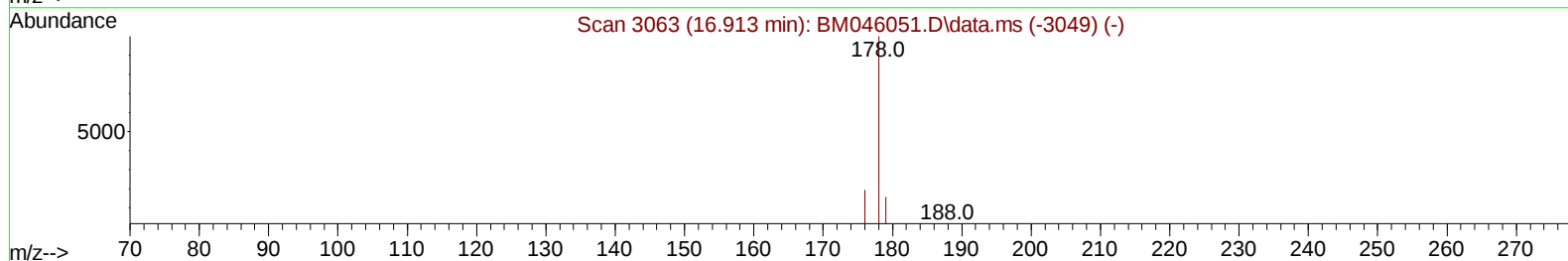
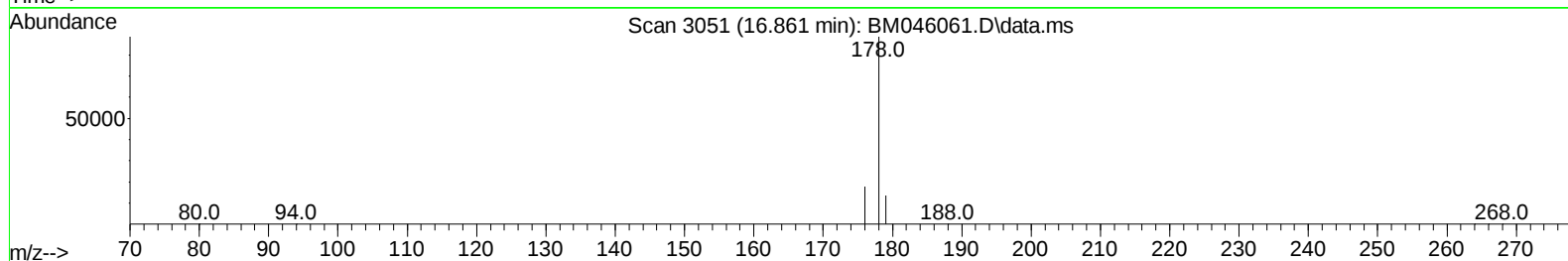
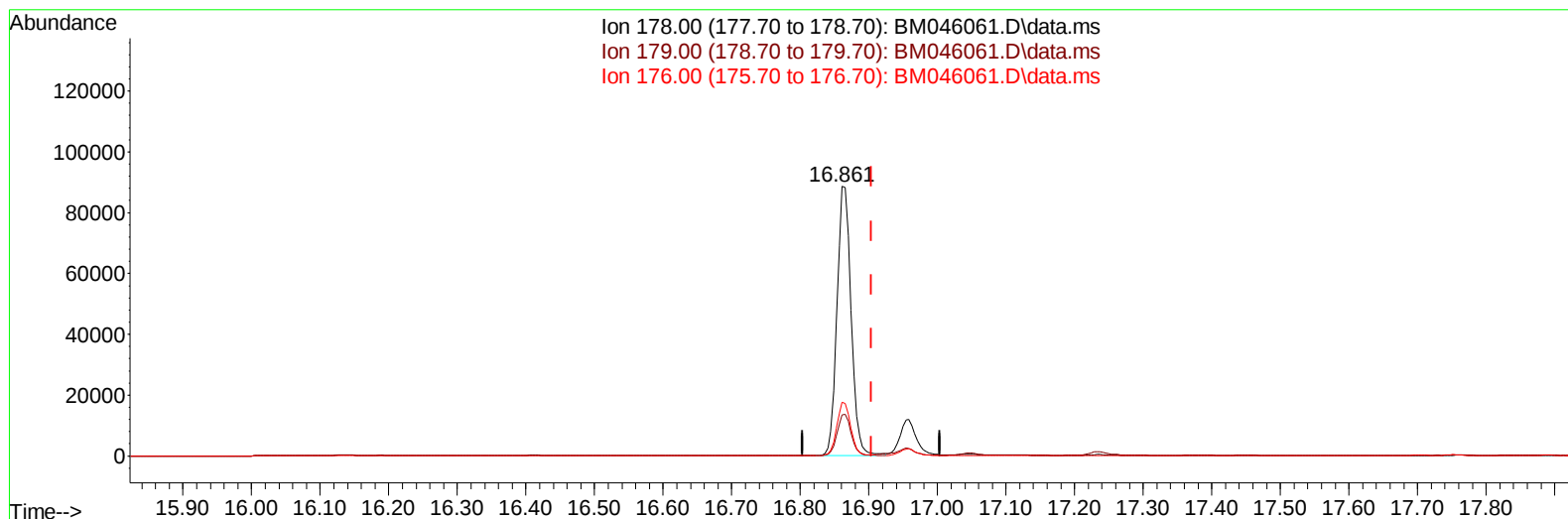
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046061.D
 Acq On : 18 Jun 2024 21:15
 Operator : MA/JU
 Sample : P2695-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(15) Phenanthrene

16.861min (-0.042) 3.42 ng/ul m

response 126361

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.27
176.00	21.40	20.00
0.00	0.00	0.00

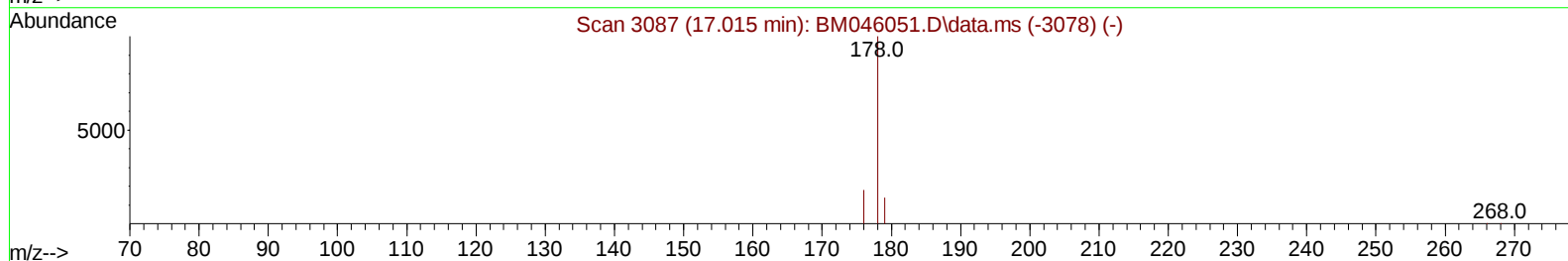
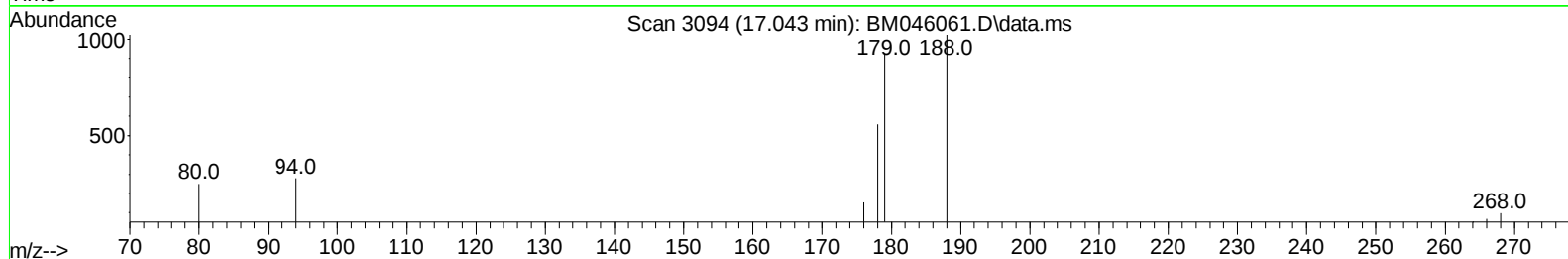
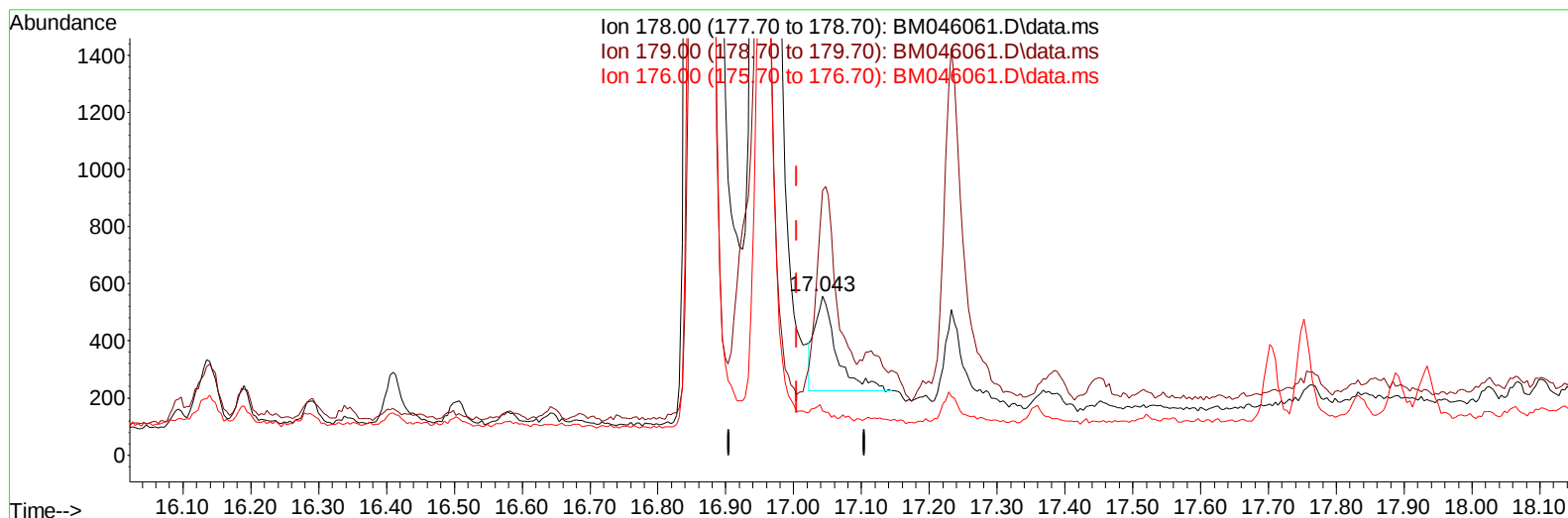
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(16) Anthracene

17.043min (+ 0.038) 0.03 ng/u1

response 752

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	166.43#
176.00	21.20	27.65#
0.00	0.00	0.00

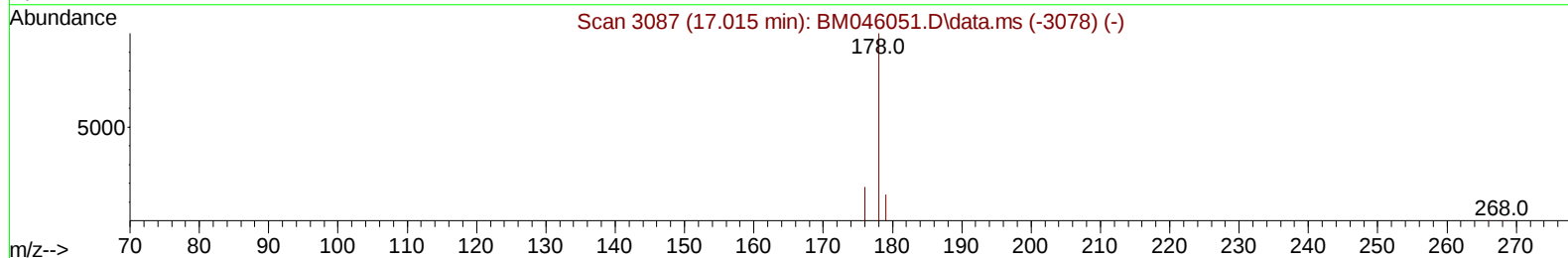
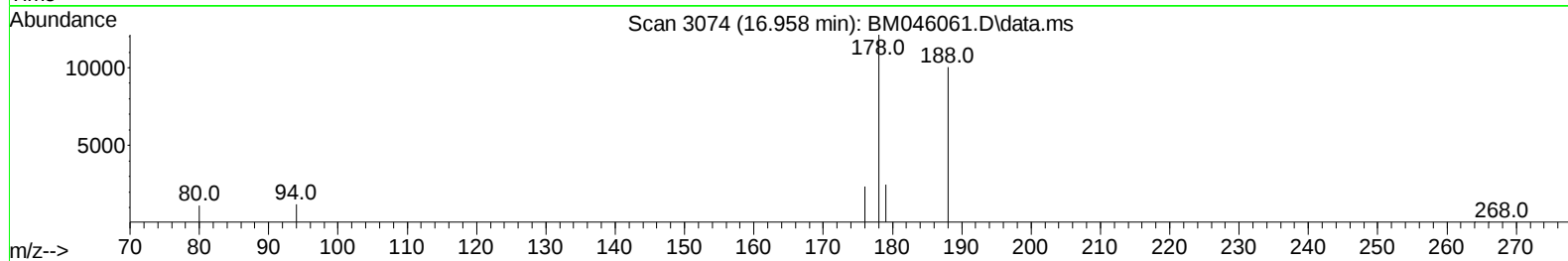
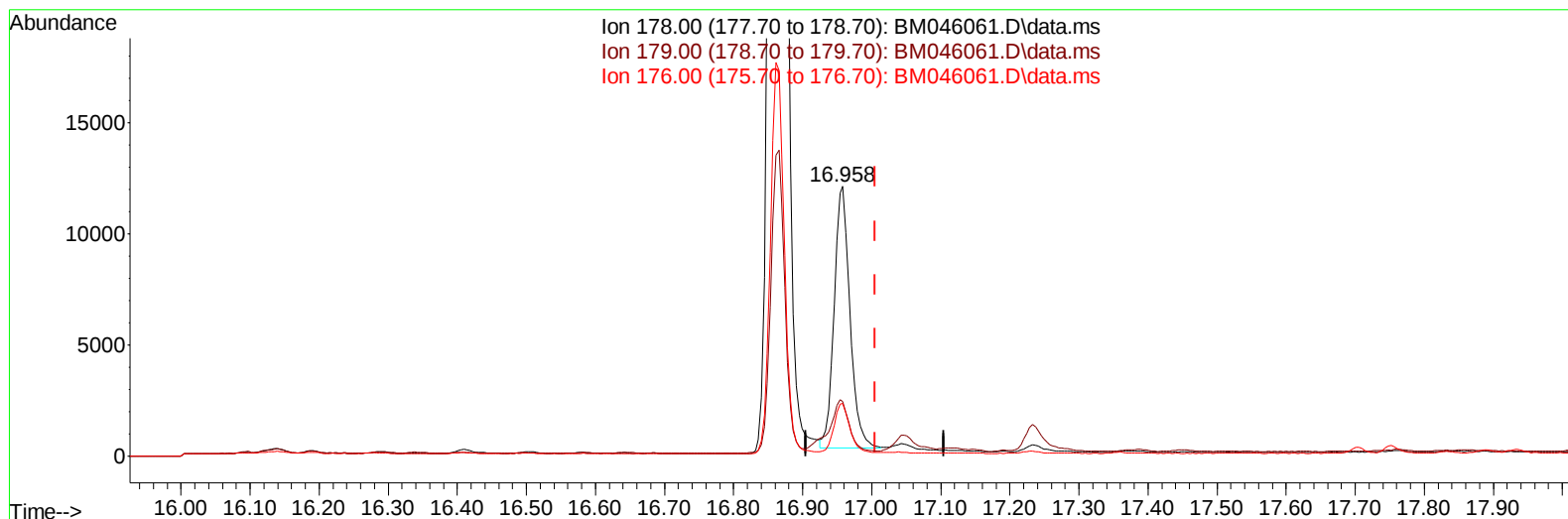
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(16) Anthracene

16.958min (-0.047) 0.68 ng/u1 m

response 18648

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	20.23
176.00	21.20	19.35
0.00	0.00	0.00

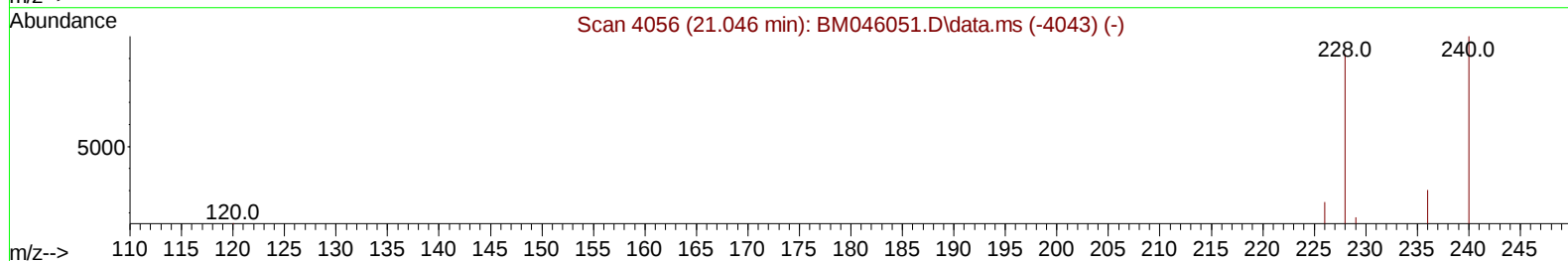
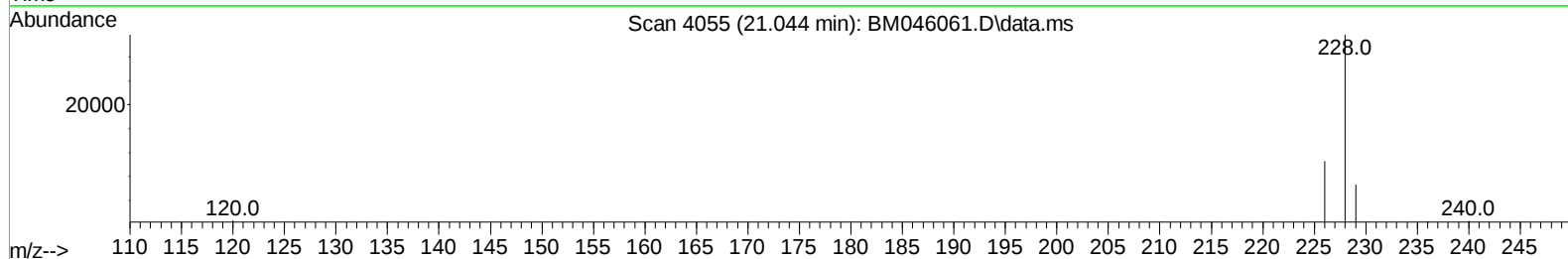
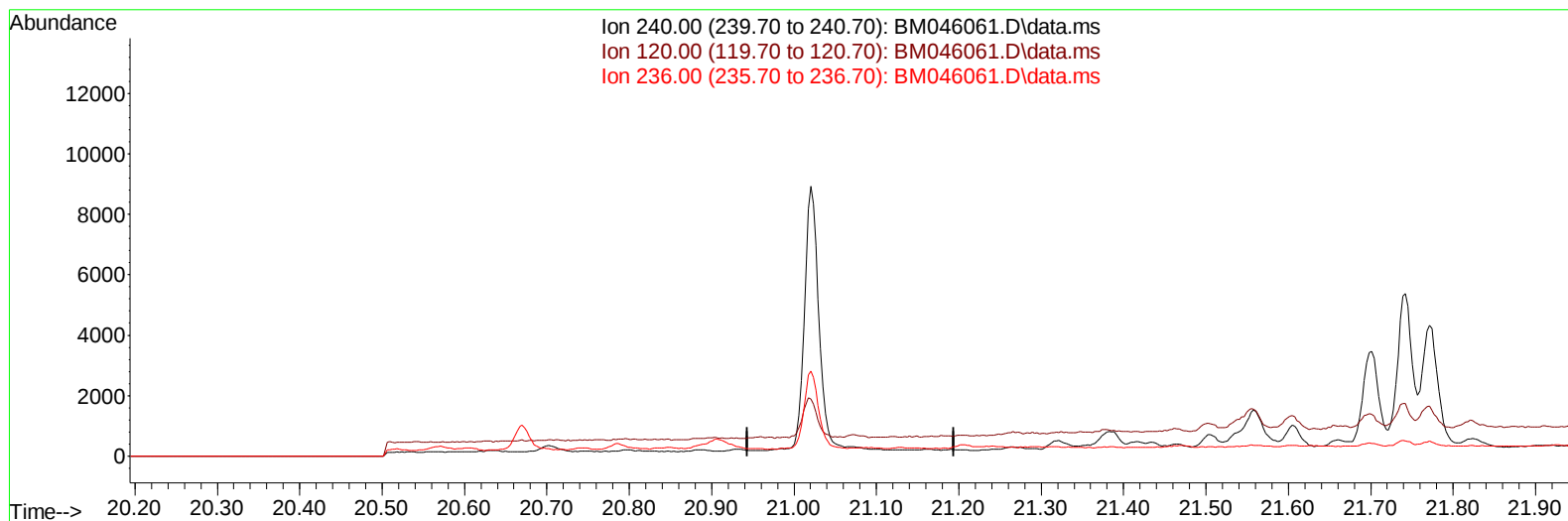
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.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

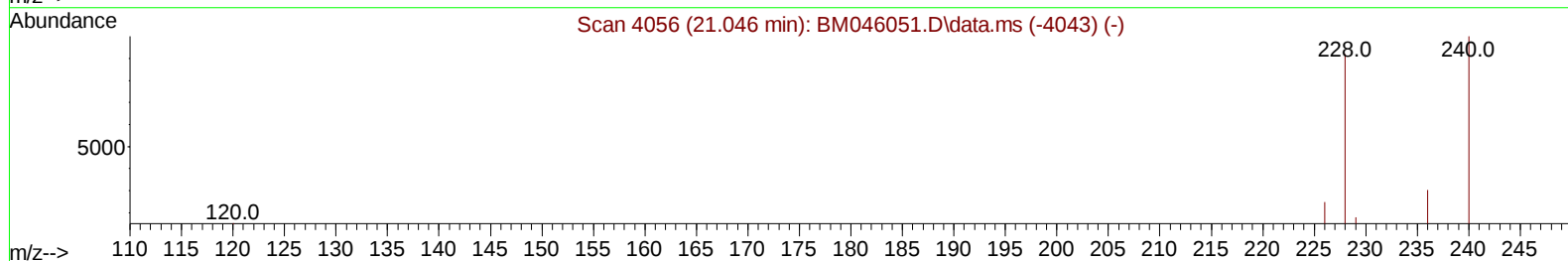
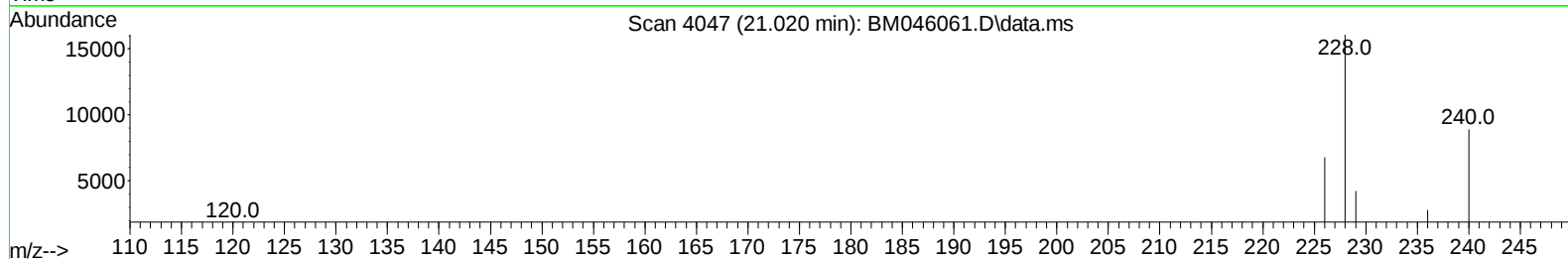
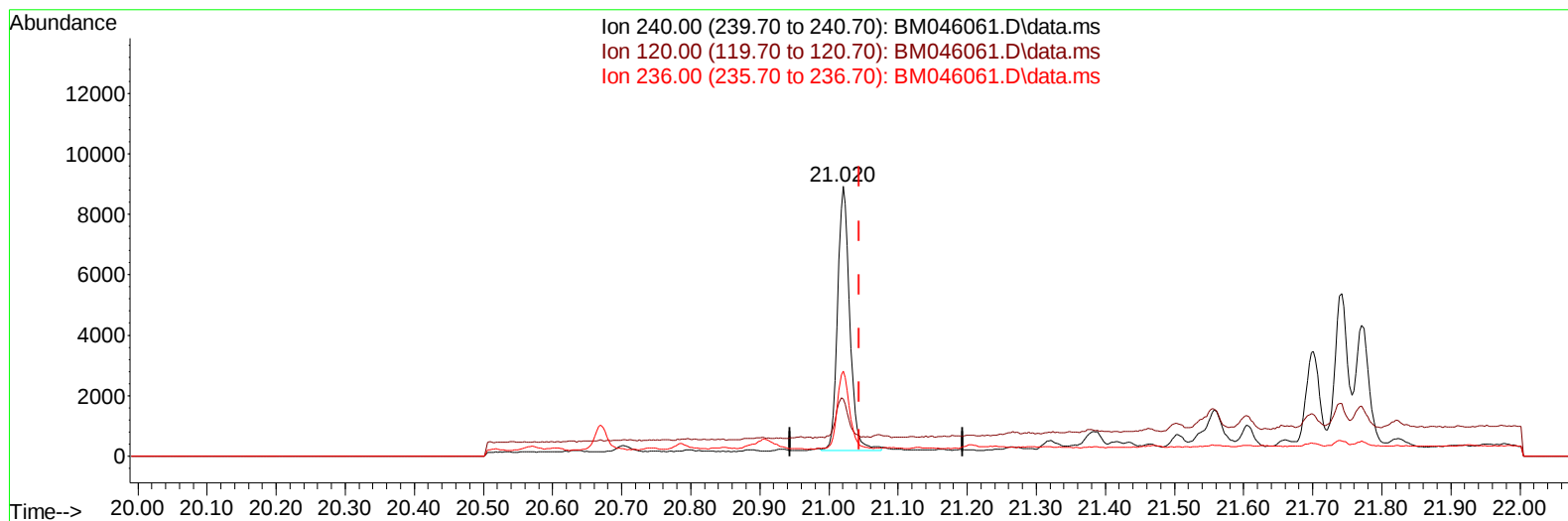
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(17) Chrysene-d12

21.020min (-0.023) 0.40 ng/u1 m

response 10753

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.12
236.00	33.60	31.46
0.00	0.00	0.00

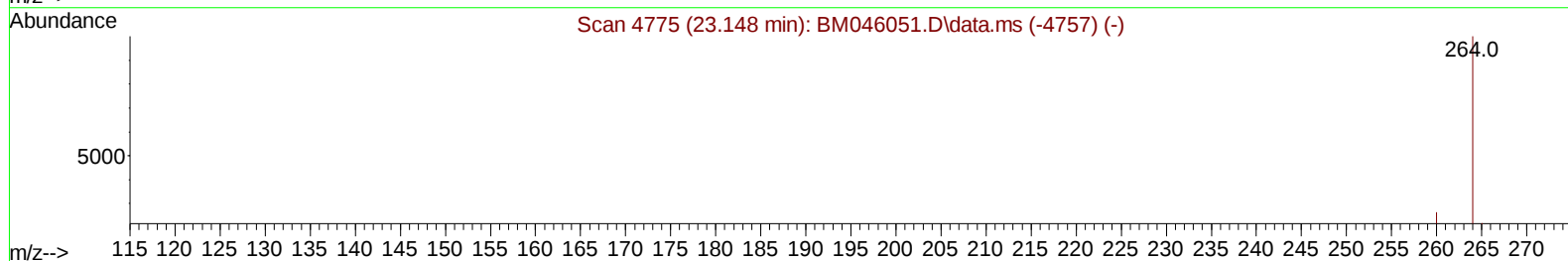
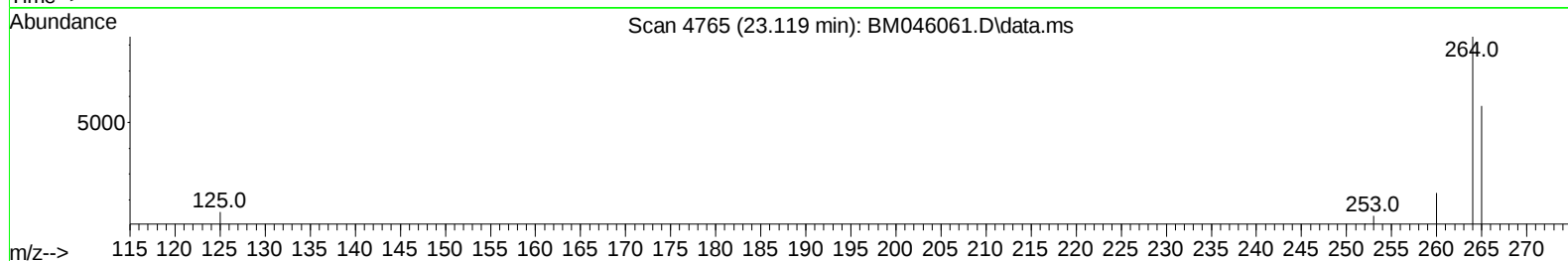
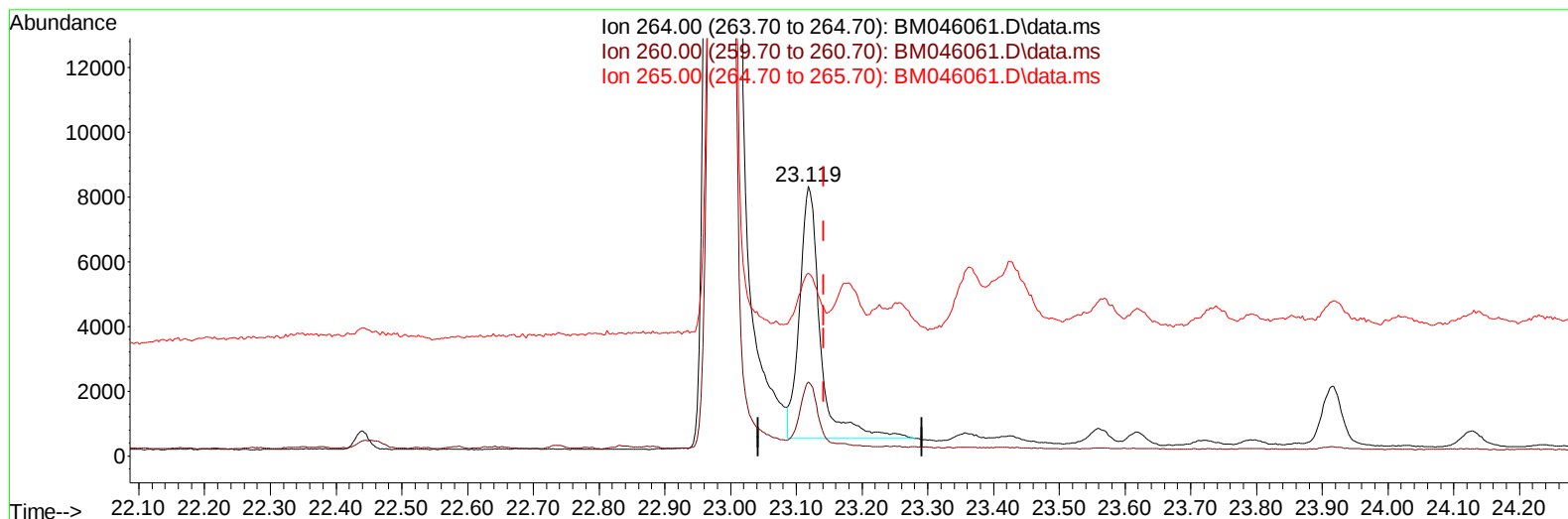
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046061.D\data.ms

(23) Perylene-d12 (I)

23.119min (-0.024) 0.40 ng/u1

response 16819

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.37
265.00	110.60	67.77#
0.00	0.00	0.00

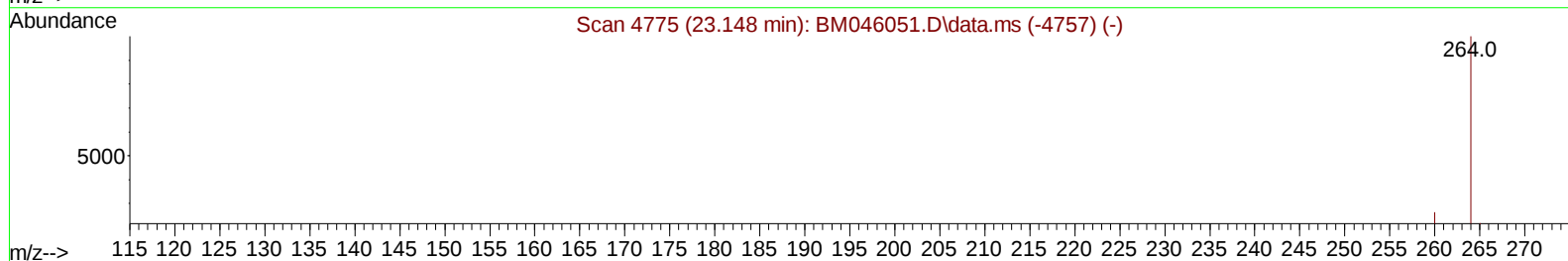
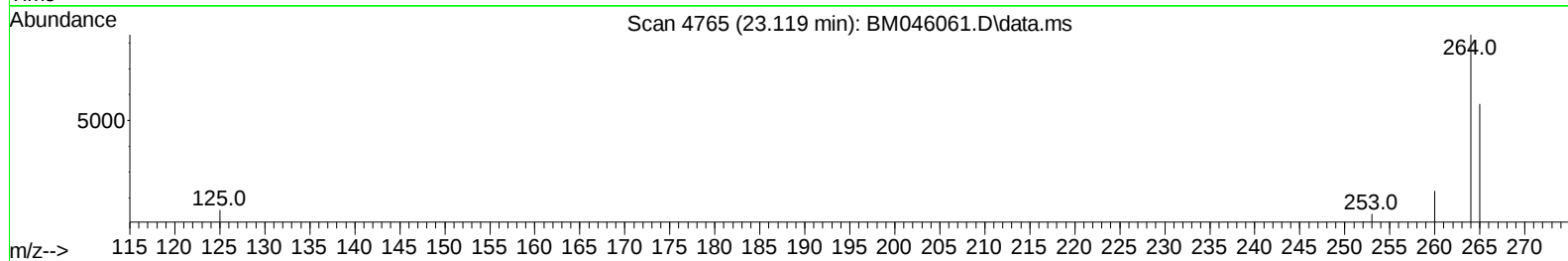
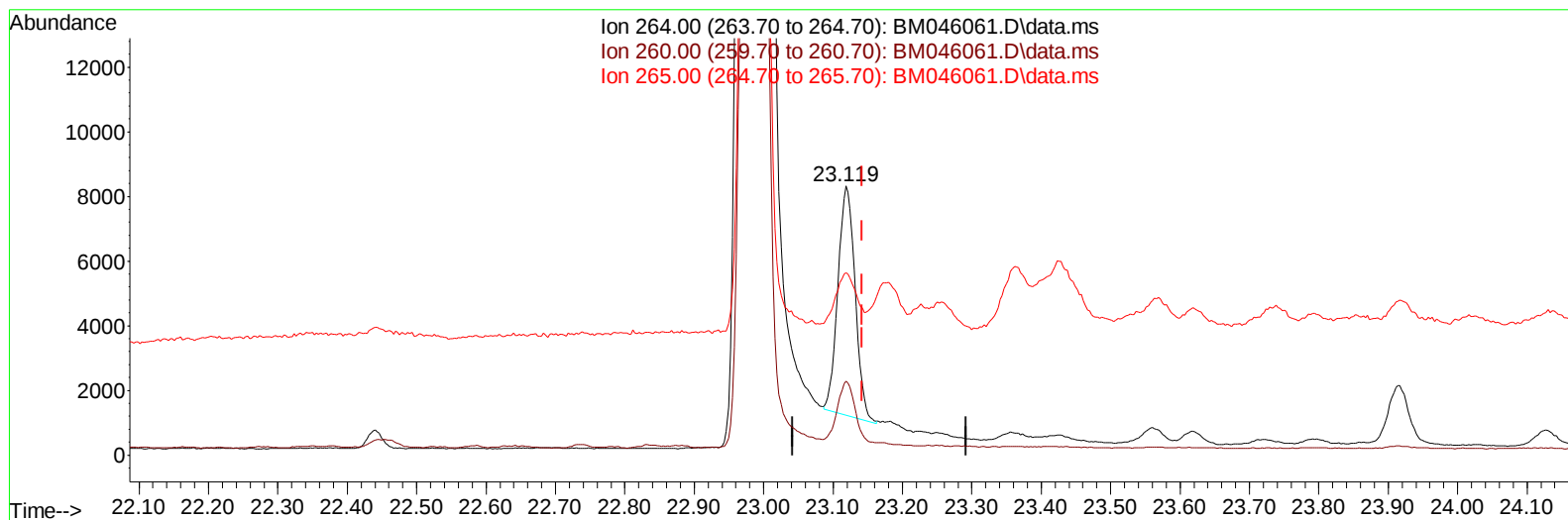
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046061.D
 Acq On : 18 Jun 2024 21:15
 Operator : MA/JU
 Sample : P2695-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046061.D\data.ms

(23) Perylene-d12 (I)

23.119min (-0.024) 0.40 ng/ul m

response 12136

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.37
265.00	110.60	67.77#
0.00	0.00	0.00

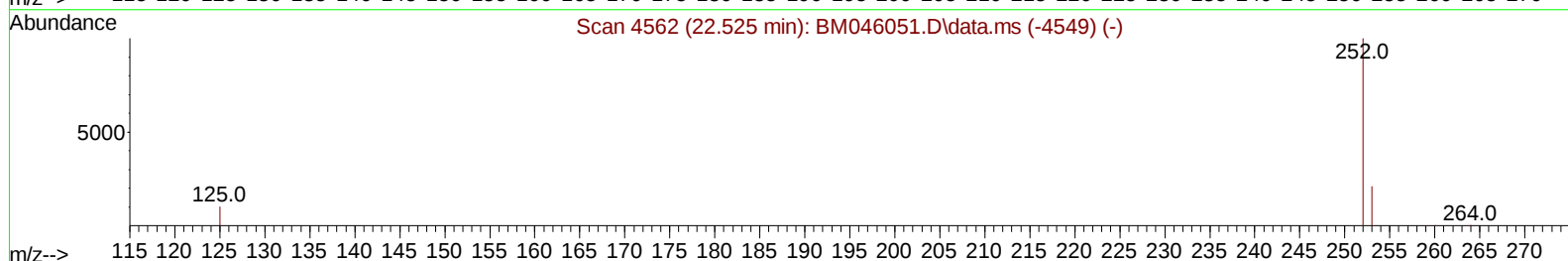
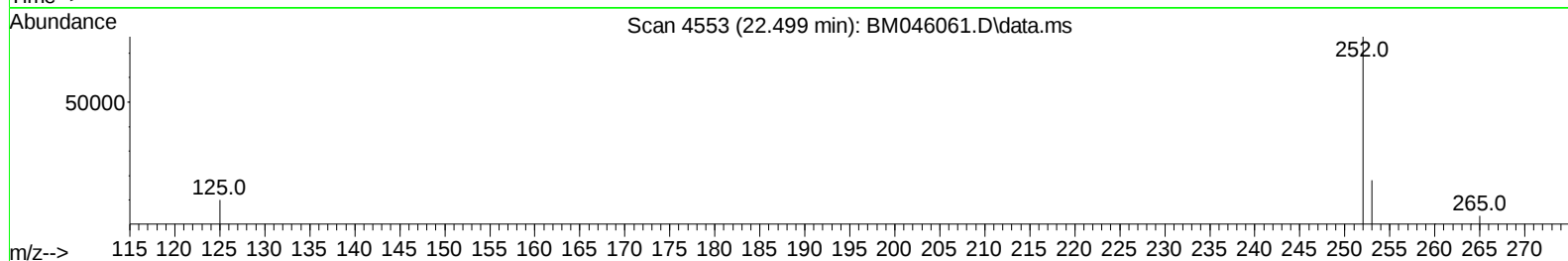
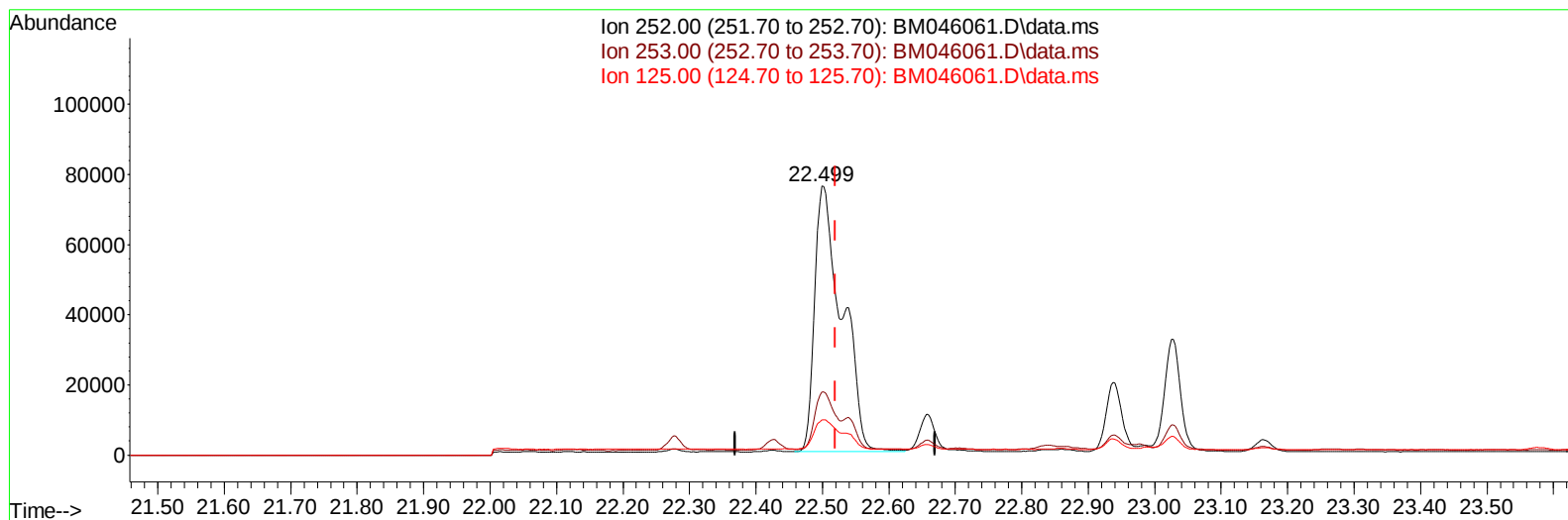
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 2024
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TIC: BM046061.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.021) 4.93 ng/u1

response 215539

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.51
125.00	20.10	13.18
0.00	0.00	0.00

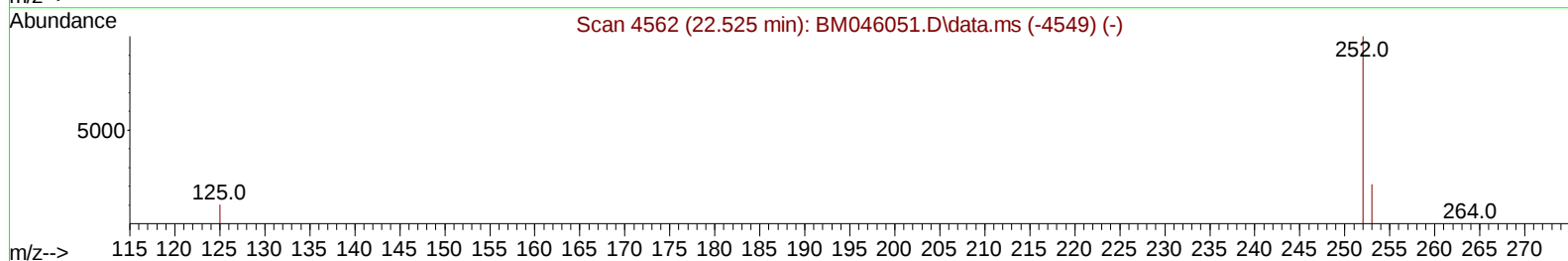
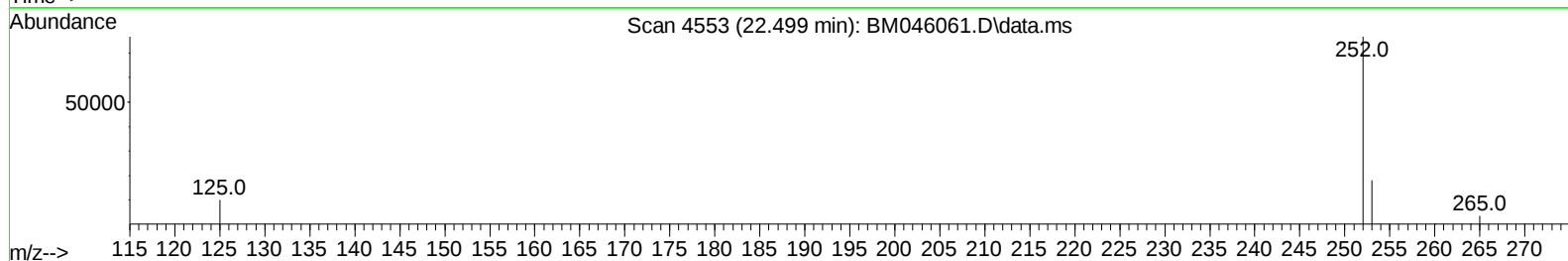
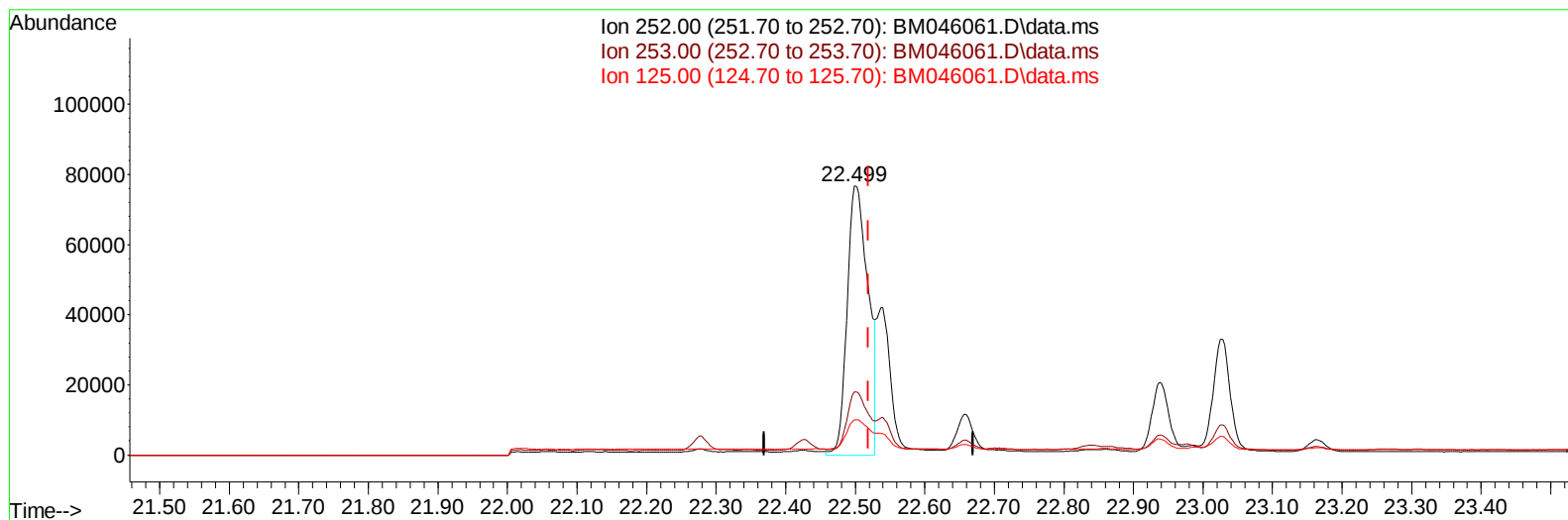
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(24) Benzo(b)fluoranthene

22.499min (-0.021) 3.71 ng/u1 m

response 162119

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.51
125.00	20.10	13.18
0.00	0.00	0.00

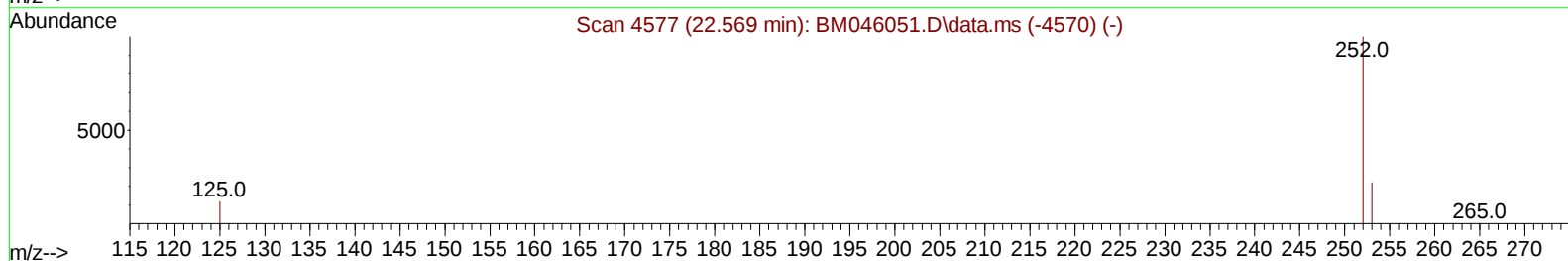
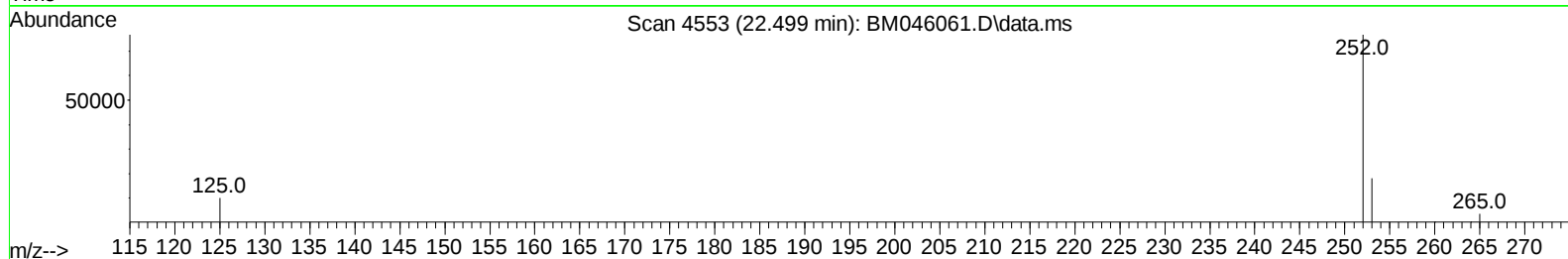
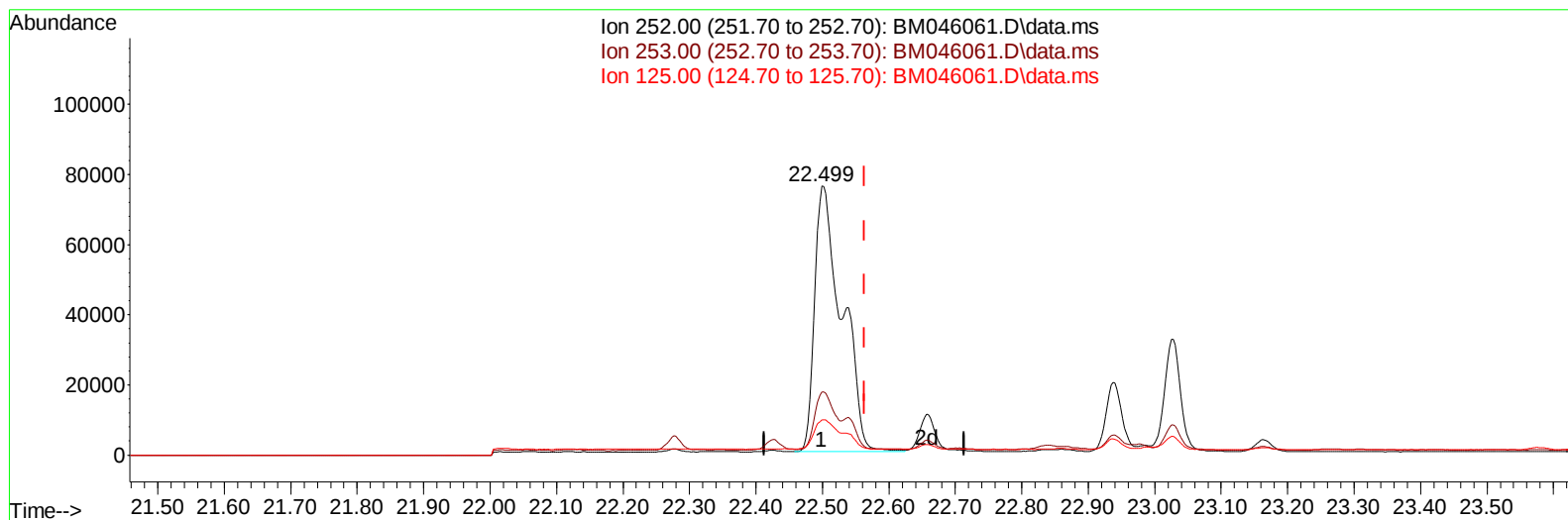
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

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

Quant Time: Jun 19 08:44:20 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
Response via : Initial Calibration



TIC: BM046061.D\data.ms

(25) Benzo(k)fluoranthene

22.499min (-0.064) 4.15 ng/u1

response 215539

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.51#
125.00	20.80	13.18#
0.00	0.00	0.00

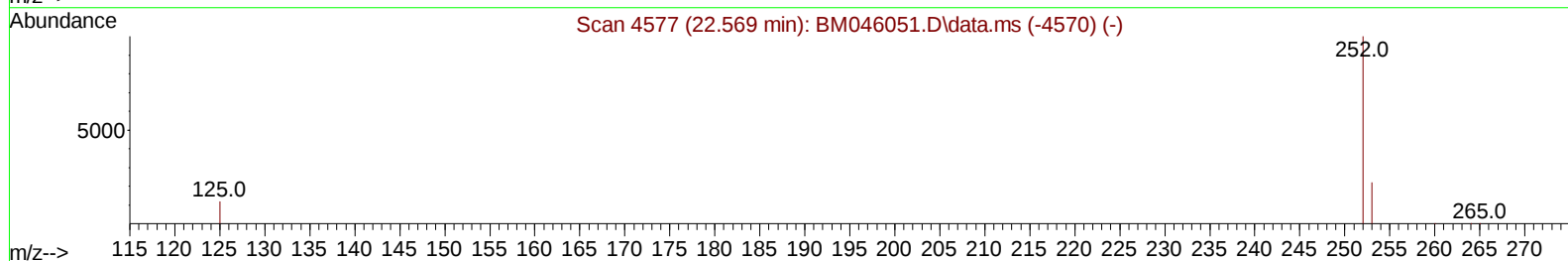
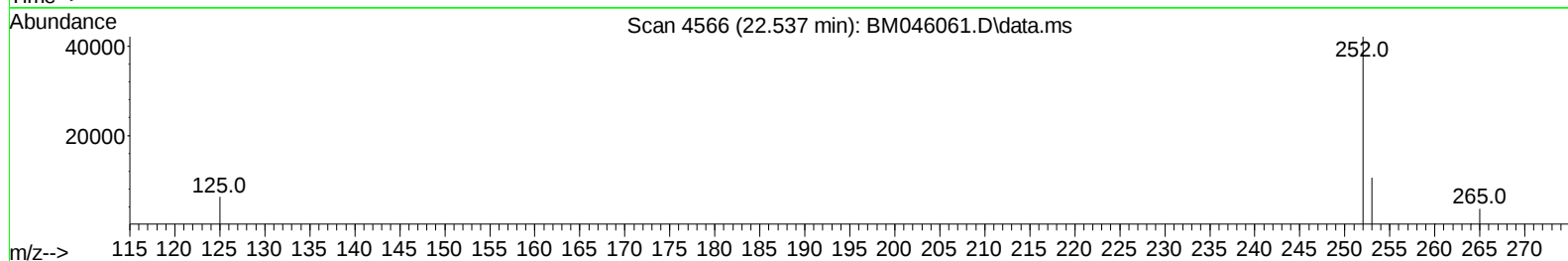
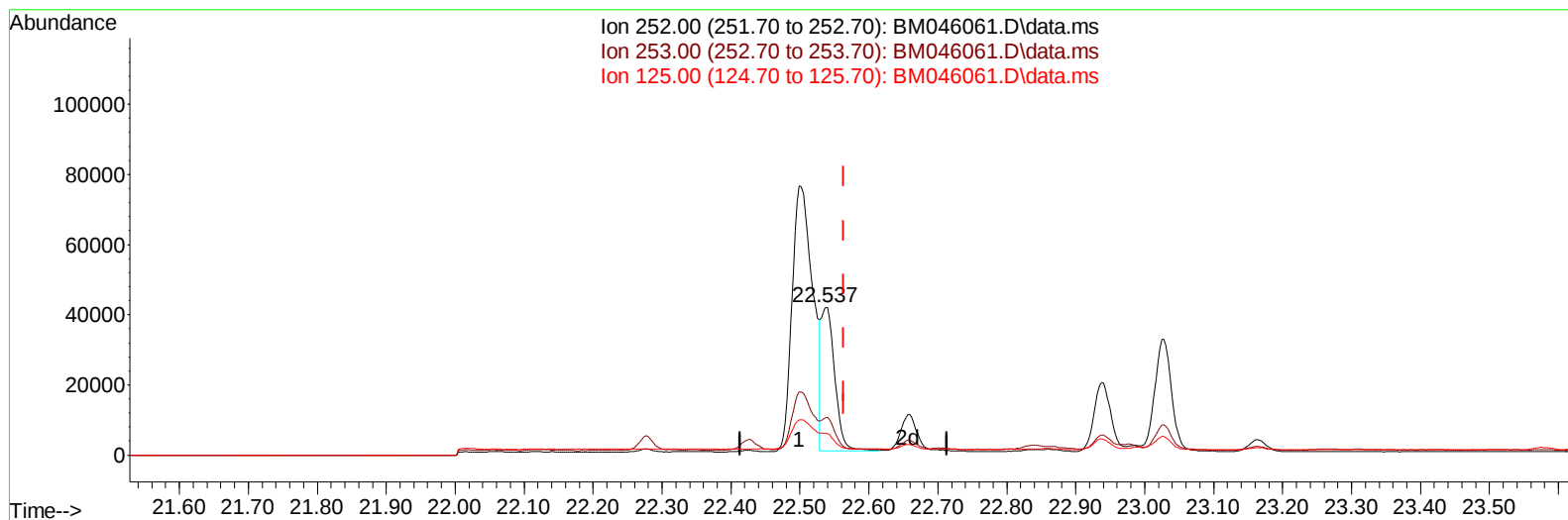
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
Data File : BM046061.D
Acq On : 18 Jun 2024 21:15
Operator : MA/JU
Sample : P2695-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BK2

Manual IntegrationsAPPROVED

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

Quant Time: Jun 19 08:44:20 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: BM046061.D\data.ms

(25) Benzo(k)fluoranthene

22.537min (-0.026) 1.08 ng/u1 m

response 56183

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.06#
125.00	20.80	14.93#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061824\
 Data File : BM046061.D
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	3939	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.204	136	11186	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.084	164	5990	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.823	188	13165m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.020	240	10753m	0.400	ng/ul	-0.02
23) Perylene-d12	23.119	264	12136m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.037	96	18597	3.441	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.826	152	4099	0.273	ng/ul	-0.04
18) Fluoranthene-d10	18.857	212	10509	0.326	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.253	128	4433	0.142	ng/ul	99
7) 2-Methylnaphthalene	11.903	142	1304	0.074	ng/ul	96
8) 1-Methylnaphthalene	12.117	142	1038	0.054	ng/ul	97
10) Acenaphthylene	13.797	152	8801	0.310	ng/ul	99
11) Acenaphthene	14.144	153	4495	0.219	ng/ul	97
12) Fluorene	15.134	166	5684	0.258	ng/ul	99
15) Phenanthrene	16.861	178	126361m	3.416	ng/ul	
16) Anthracene	16.958	178	18648m	0.677	ng/ul	
19) Fluoranthene	18.884	202	305702	6.566	ng/ul	97
20) Pyrene	19.247	202	198547	3.943	ng/ul	99
21) Benzo(a)anthracene	21.006	228	99698	2.400	ng/ul	99
22) Chrysene	21.056	228	115616	2.181	ng/ul	99
24) Benzo(b)fluoranthene	22.499	252	162119m	3.708	ng/ul	
25) Benzo(k)fluoranthene	22.537	252	56183m	1.081	ng/ul	
26) Benzo(a)pyrene	23.028	252	54733	1.351	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	25.169	276	56569	0.853	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.172	278	17750	0.360	ng/ul	96
29) Benzo(g,h,i)perylene	25.799	276	8674	0.153	ng/ul#	85

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

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