

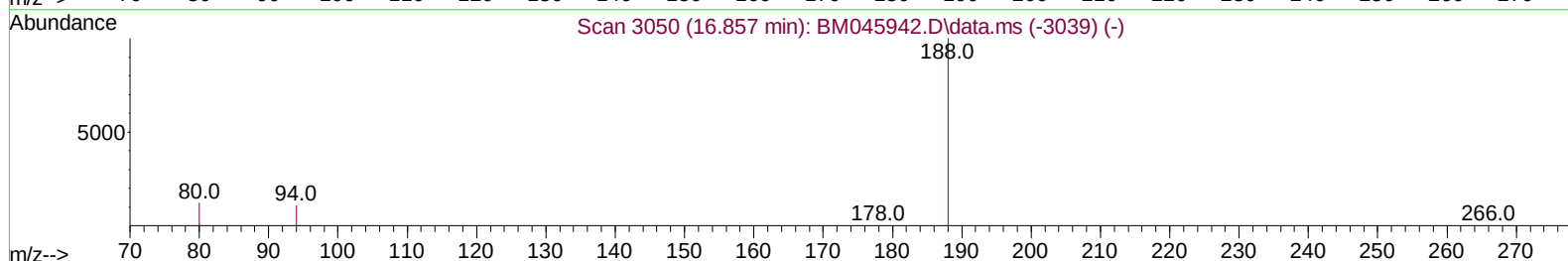
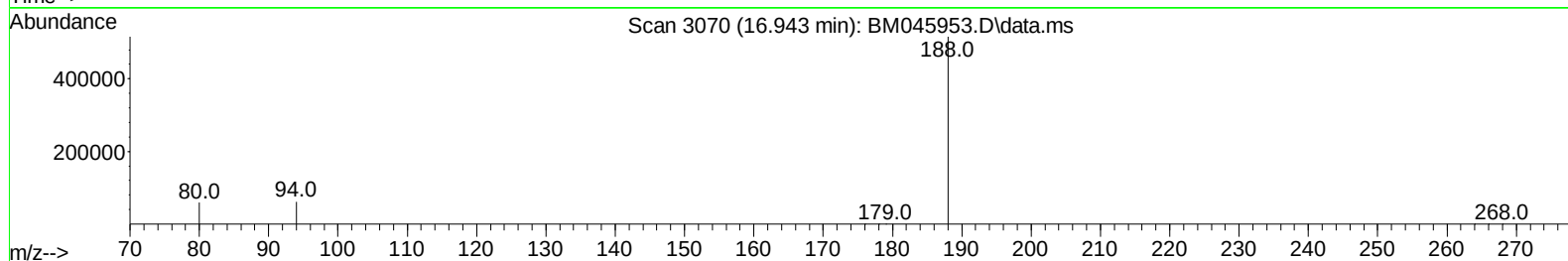
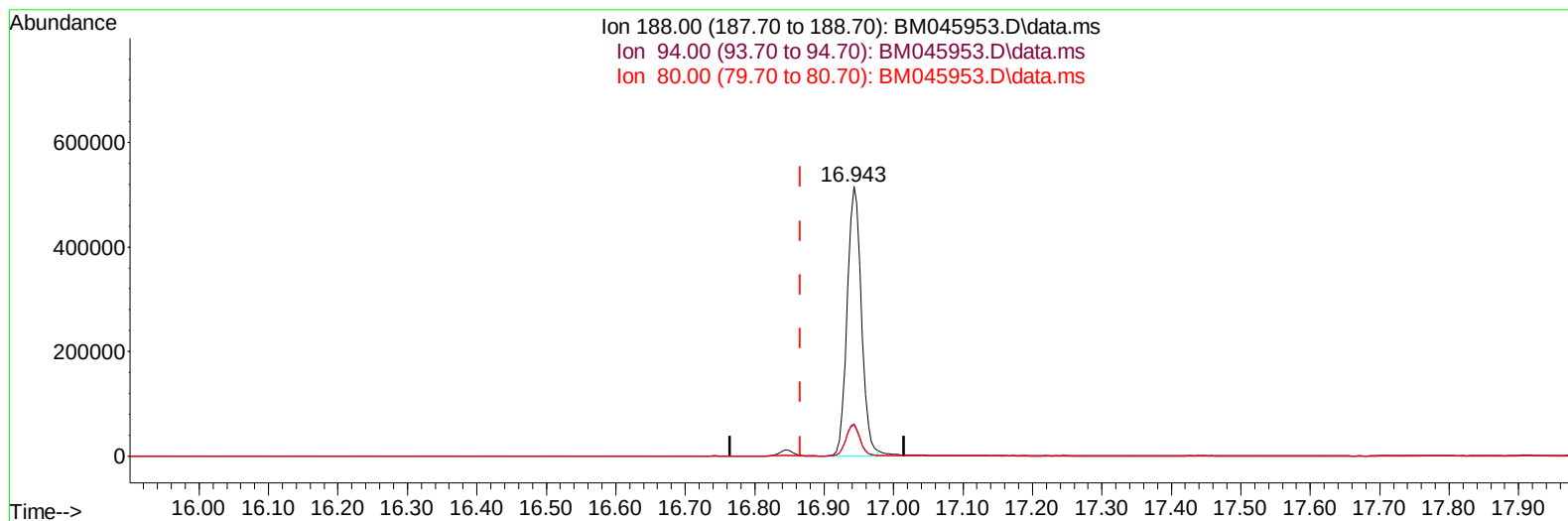
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045953.D\data.ms

(13) Phenanthrene-d10 (I)

16.943min (+ 0.077) 0.40 ng/u1

response 733722

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.95
80.00	11.70	11.42
0.00	0.00	0.00

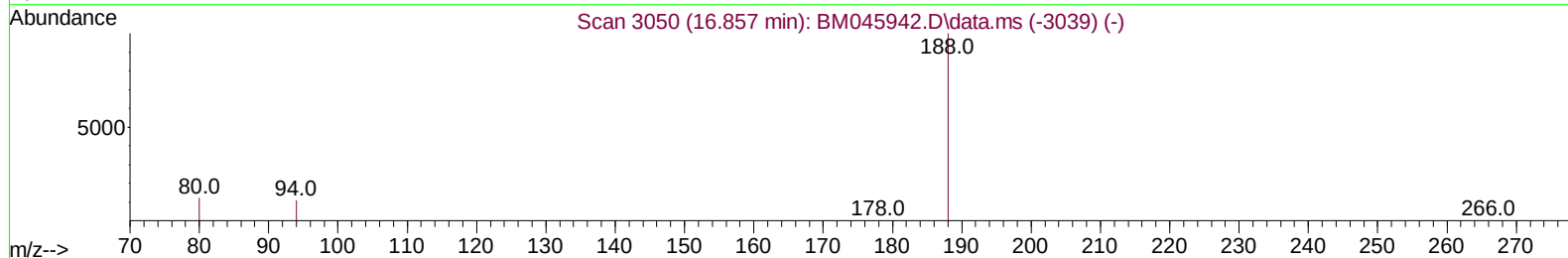
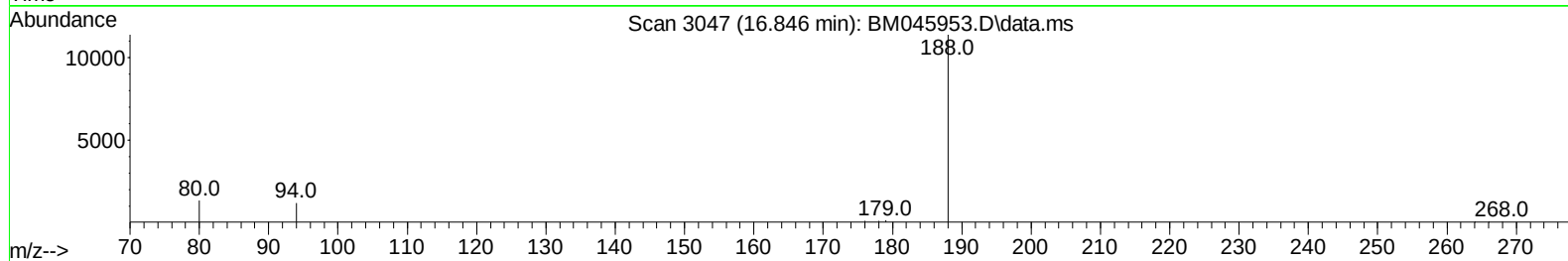
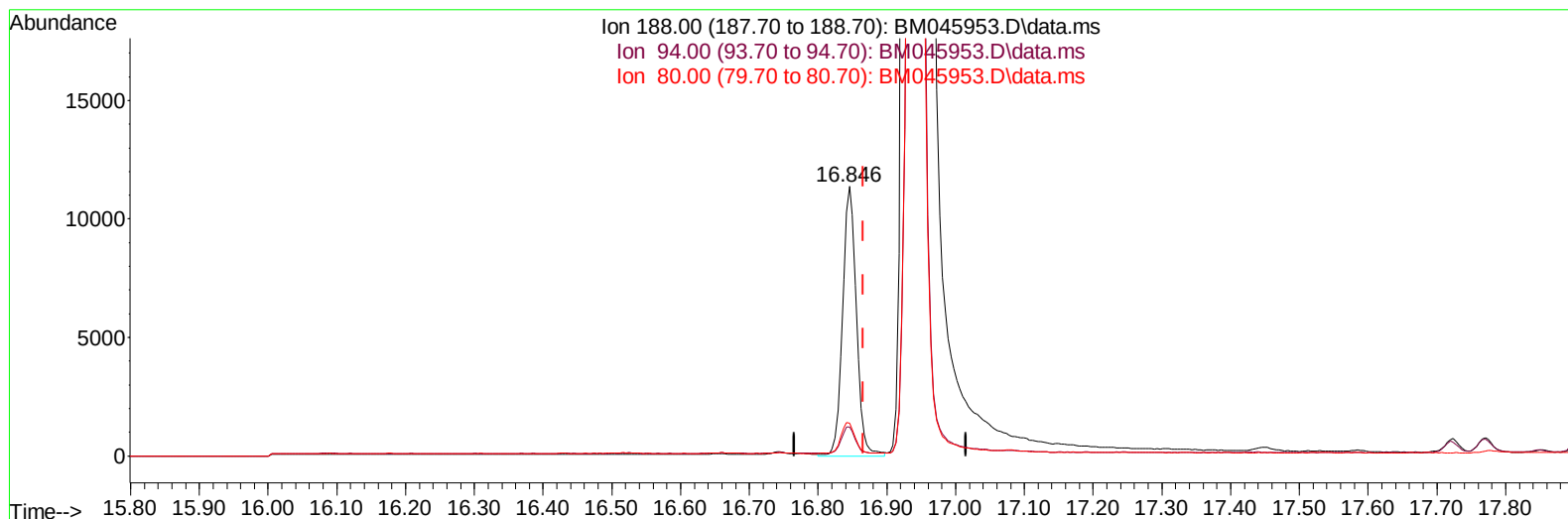
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045953.D\data.ms

(13) Phenanthrene-d10 (I)

16.846min (-0.020) 0.40 ng/ul m

response 15834

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.77
80.00	11.70	12.11
0.00	0.00	0.00

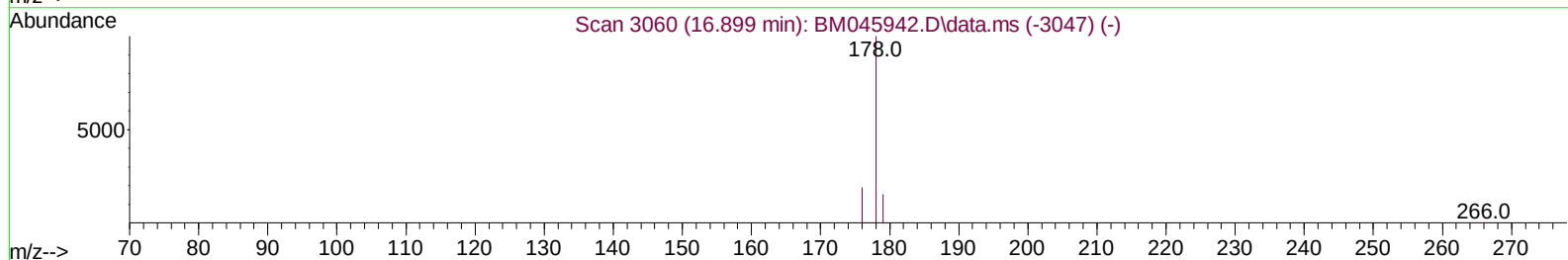
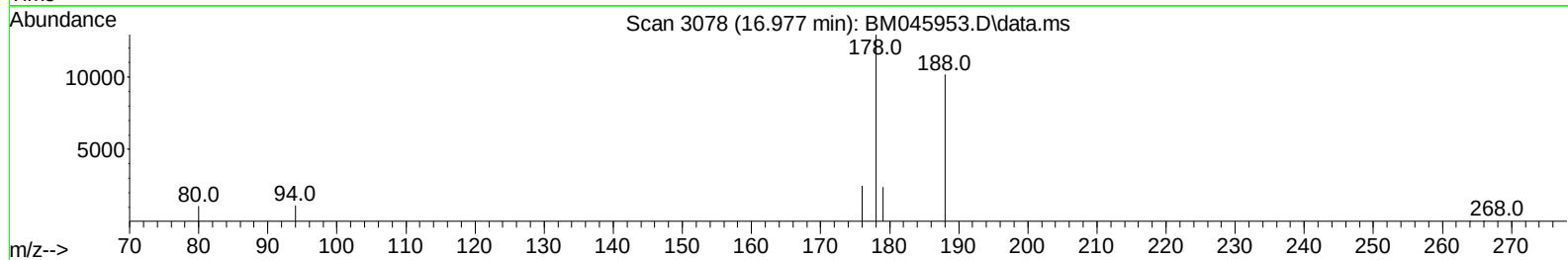
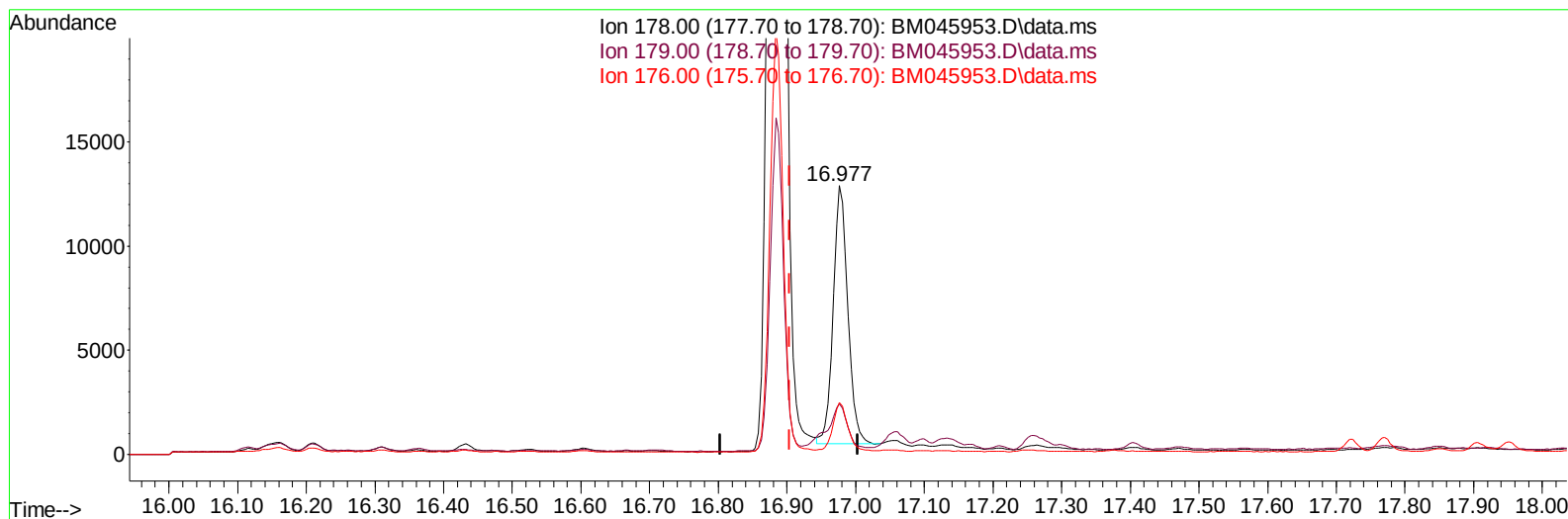
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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Reviewed By :Jagrut Upadhyay 06/10/2024
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TIC: BM045953.D\data.ms

(15) Phenanthrene

16.977min (+ 0.073) 0.41 ng/u1

response 18359

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	18.67
176.00	19.50	19.22
0.00	0.00	0.00

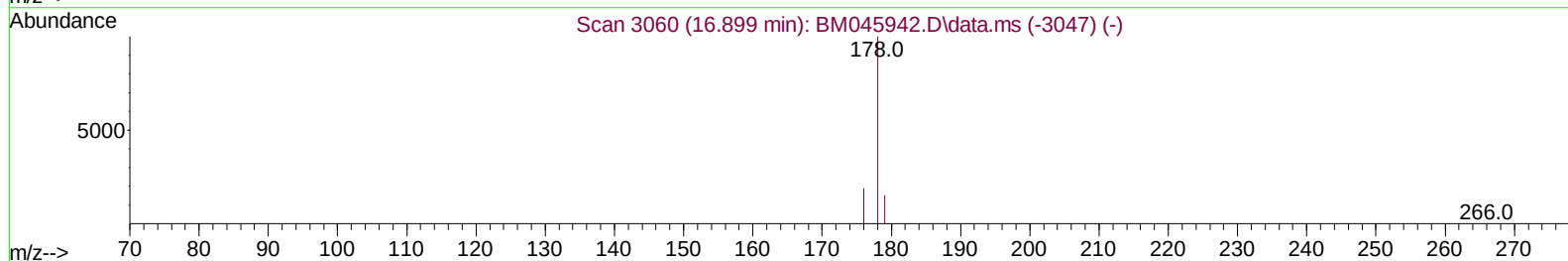
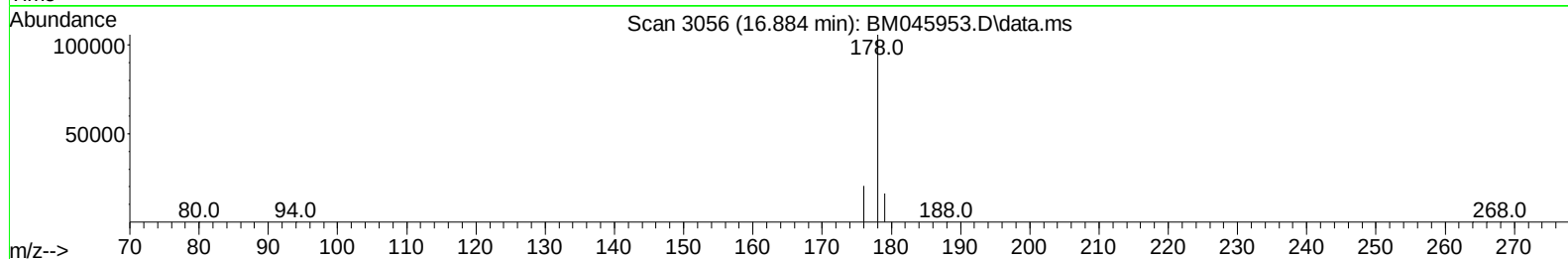
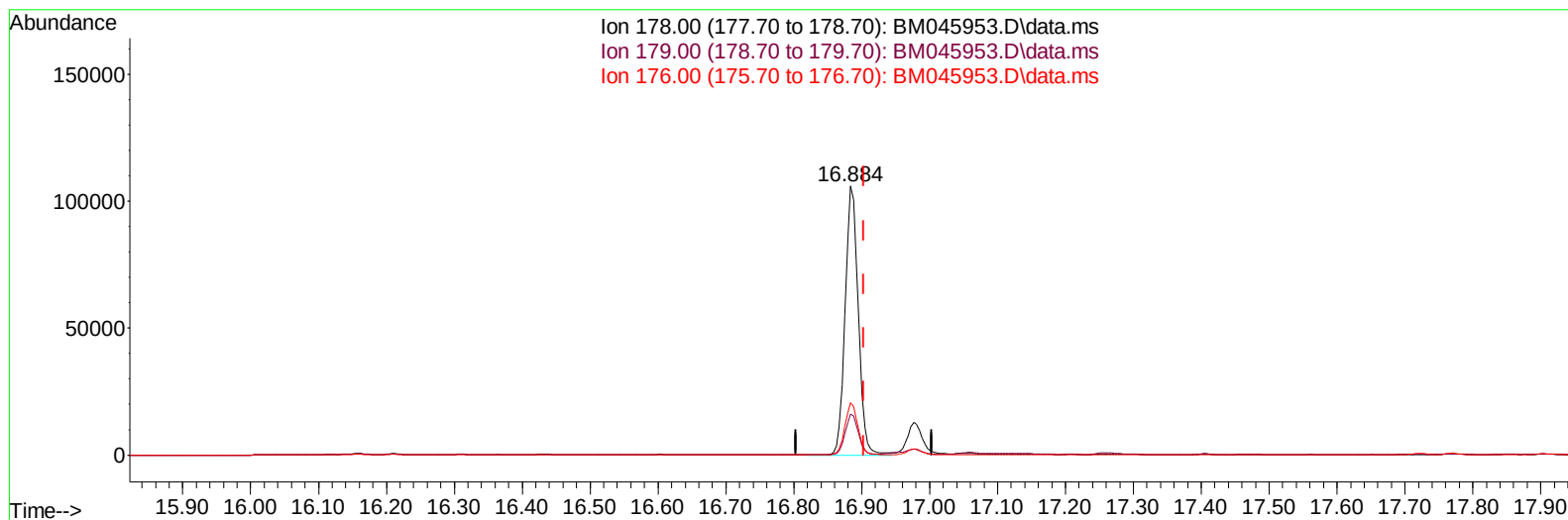
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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TIC: BM045953.D\data.ms

(15) Phenanthrene

16.884min (-0.020) 3.23 ng/ul m

response 143435

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.26
176.00	19.50	19.43
0.00	0.00	0.00

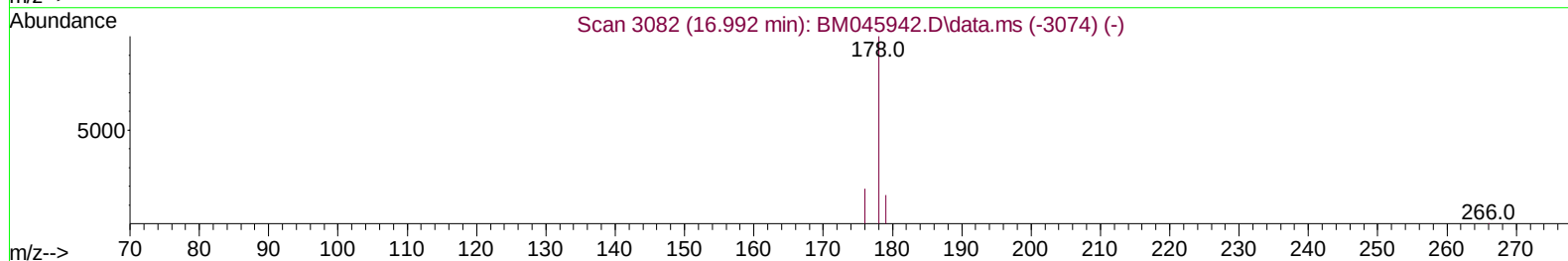
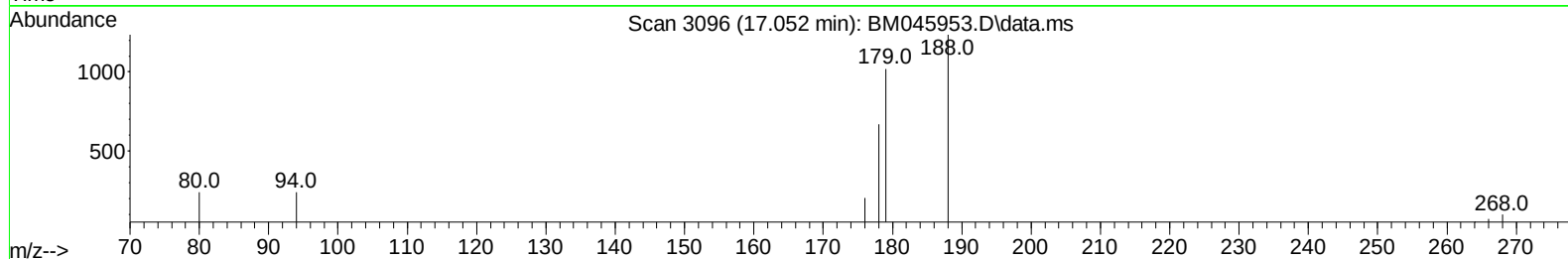
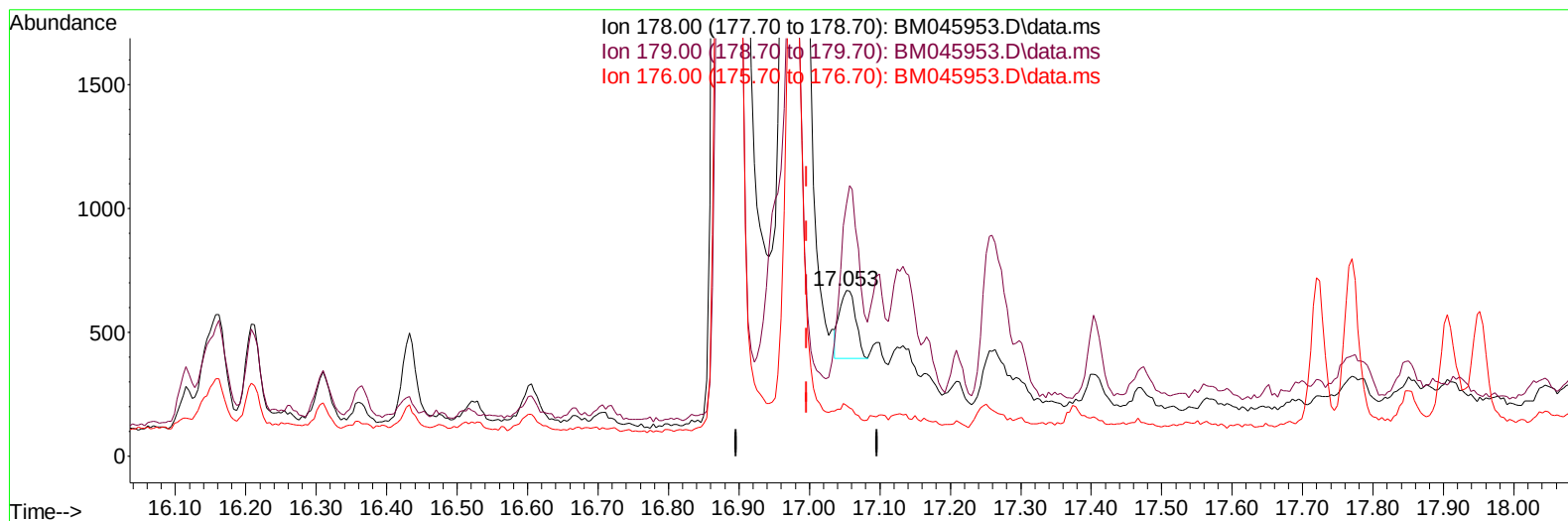
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045953.D\data.ms

(16) Anthracene

17.052min (+ 0.056) 0.01 ng/u1

response 443

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	152.32#
176.00	19.40	30.49#
0.00	0.00	0.00

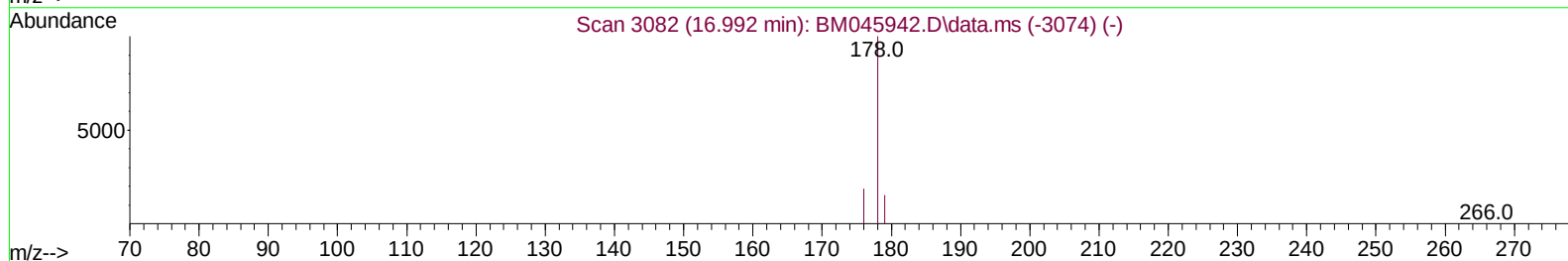
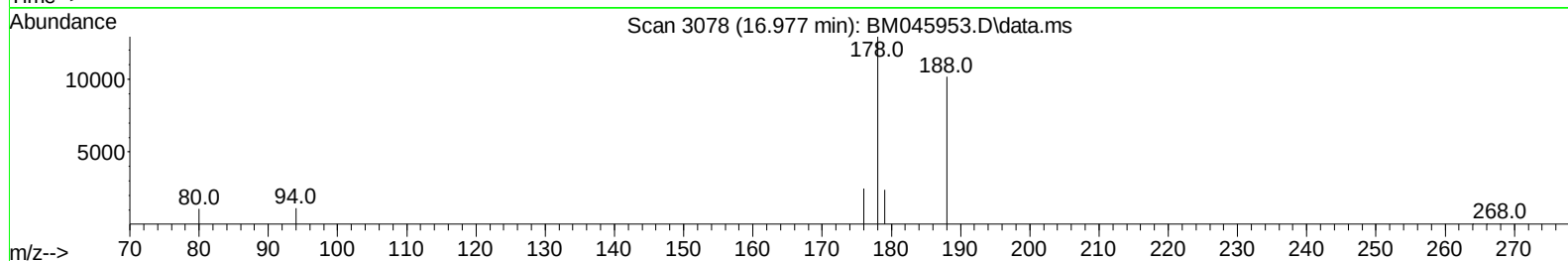
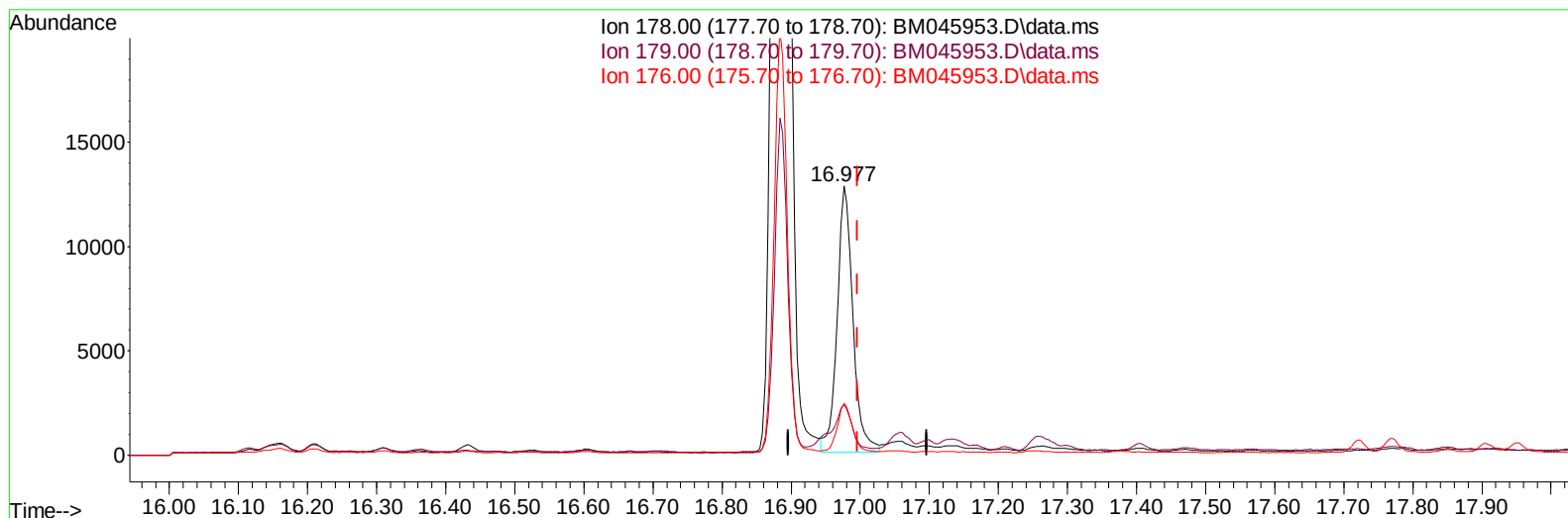
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045953.D\data.ms

(16) Anthracene

16.977min (-0.020) 0.54 ng/ul m

response 20292

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	18.67
176.00	19.40	19.22
0.00	0.00	0.00

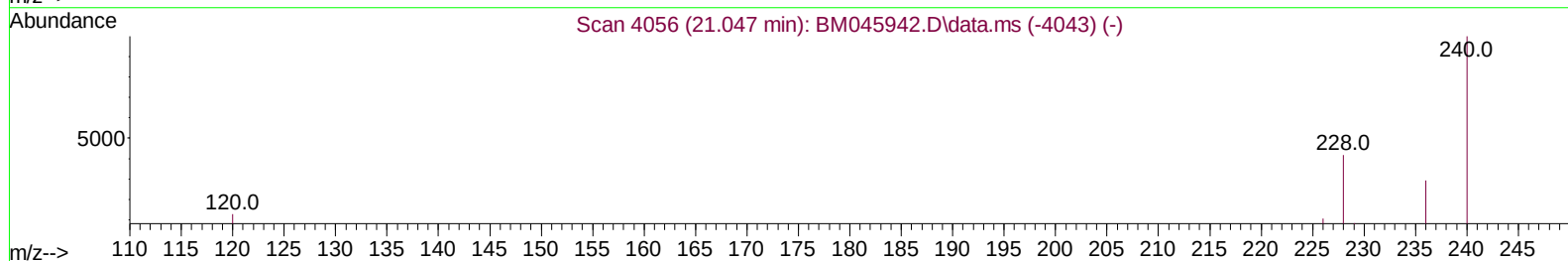
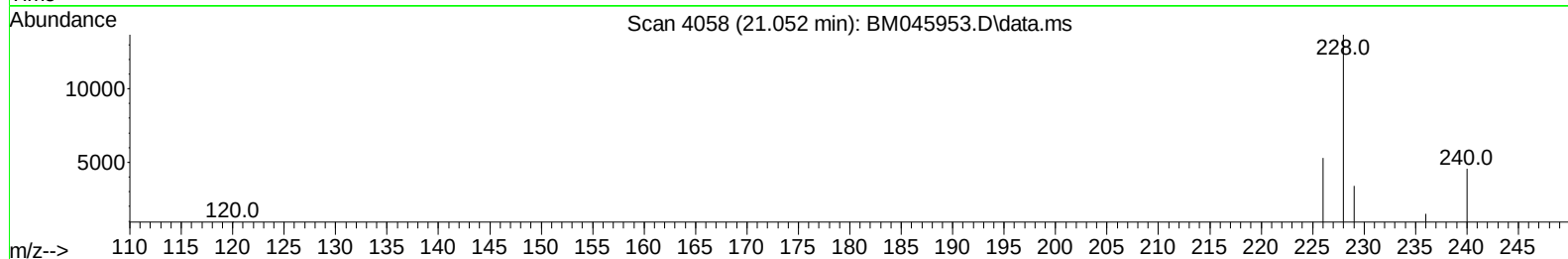
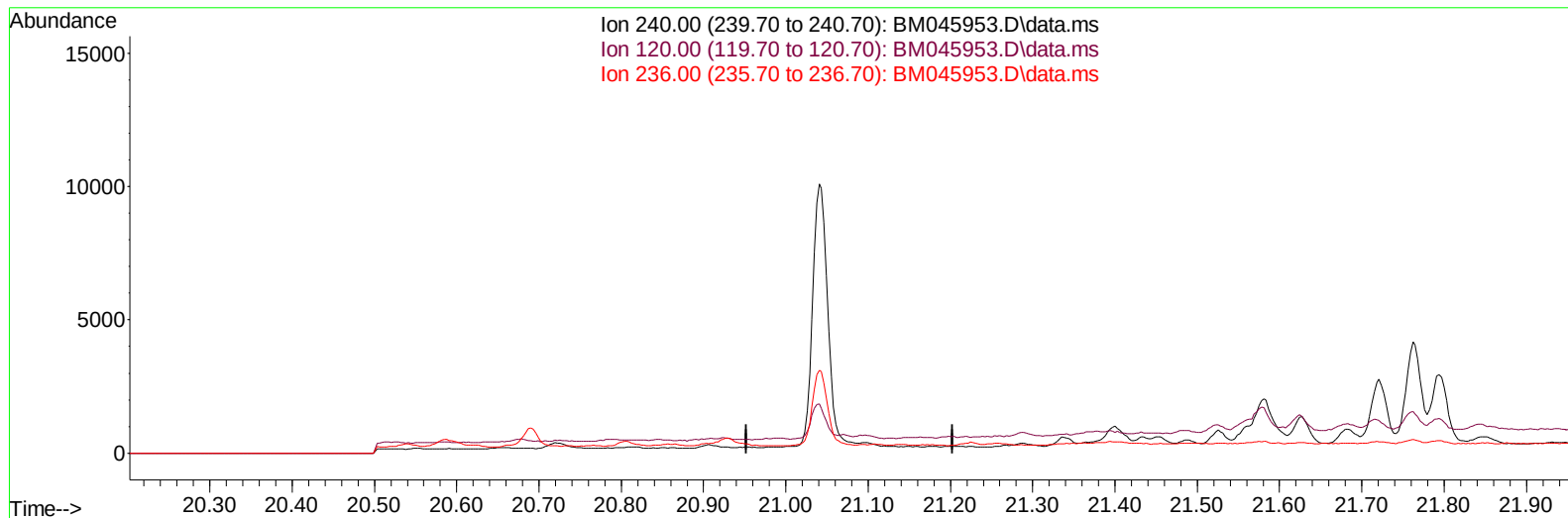
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM045953.D\data.ms

(17) Chrysene-d12

21.053min (-21.053) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.10	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

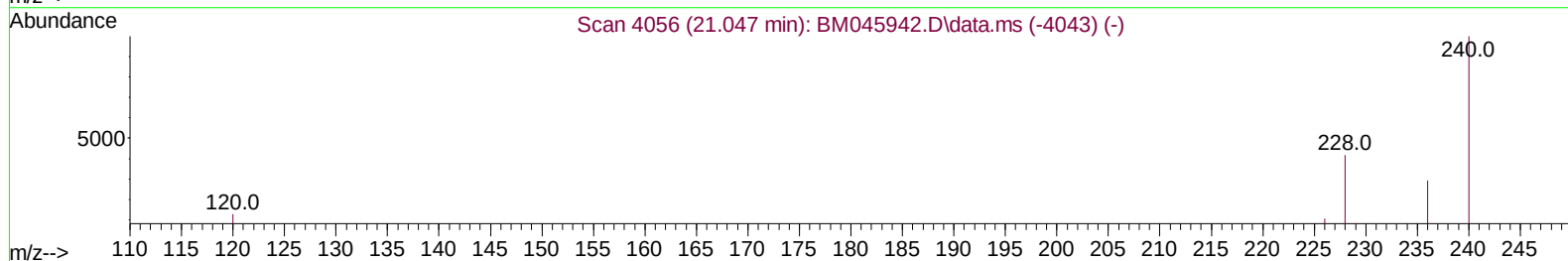
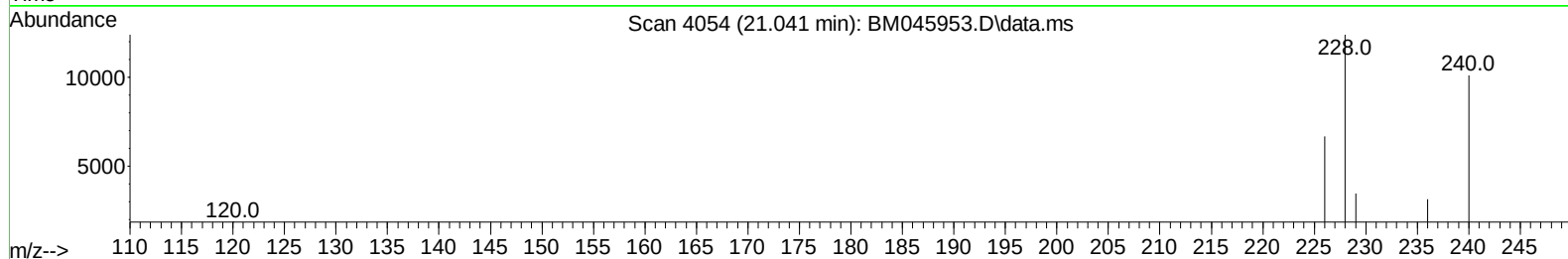
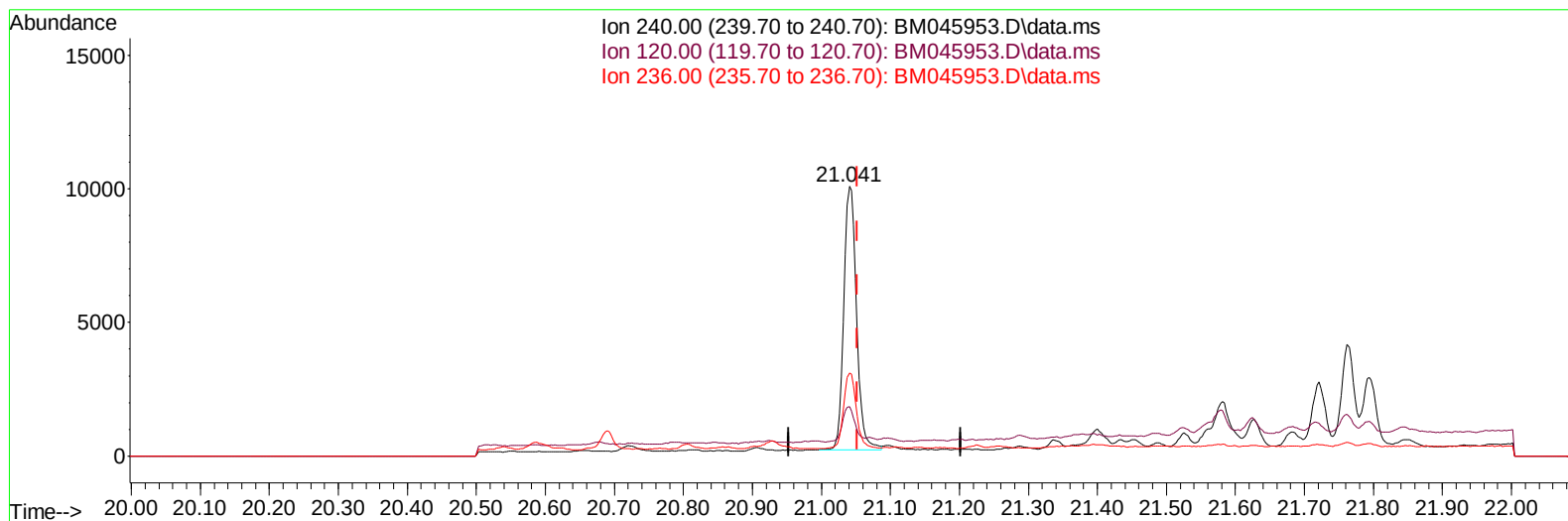
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045953.D\data.ms

(17) Chrysene-d12

21.041min (-0.012) 0.40 ng/ul m

response 12670

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	18.27
236.00	29.50	30.88
0.00	0.00	0.00

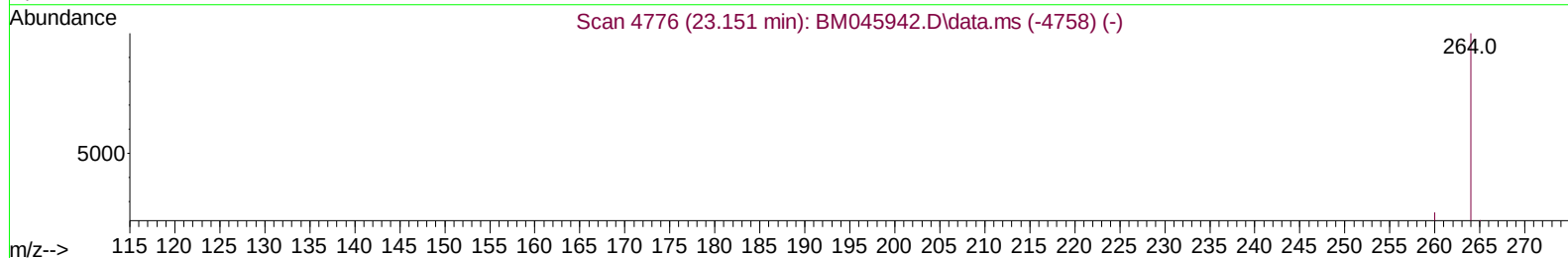
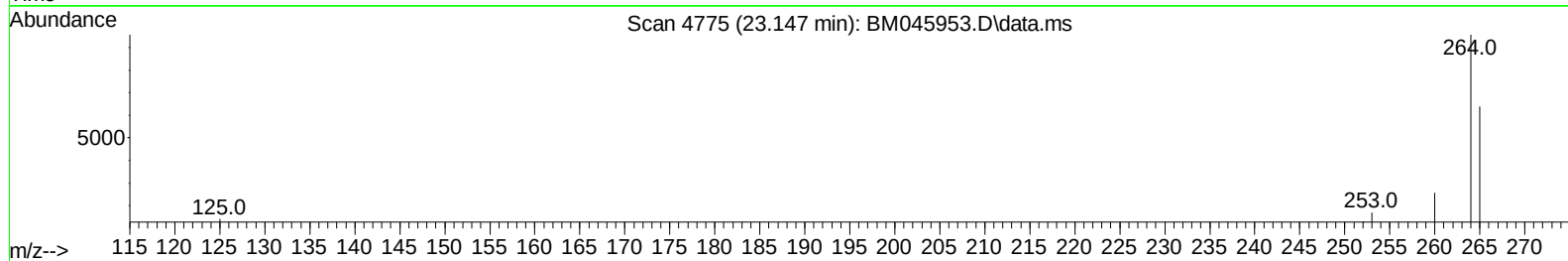
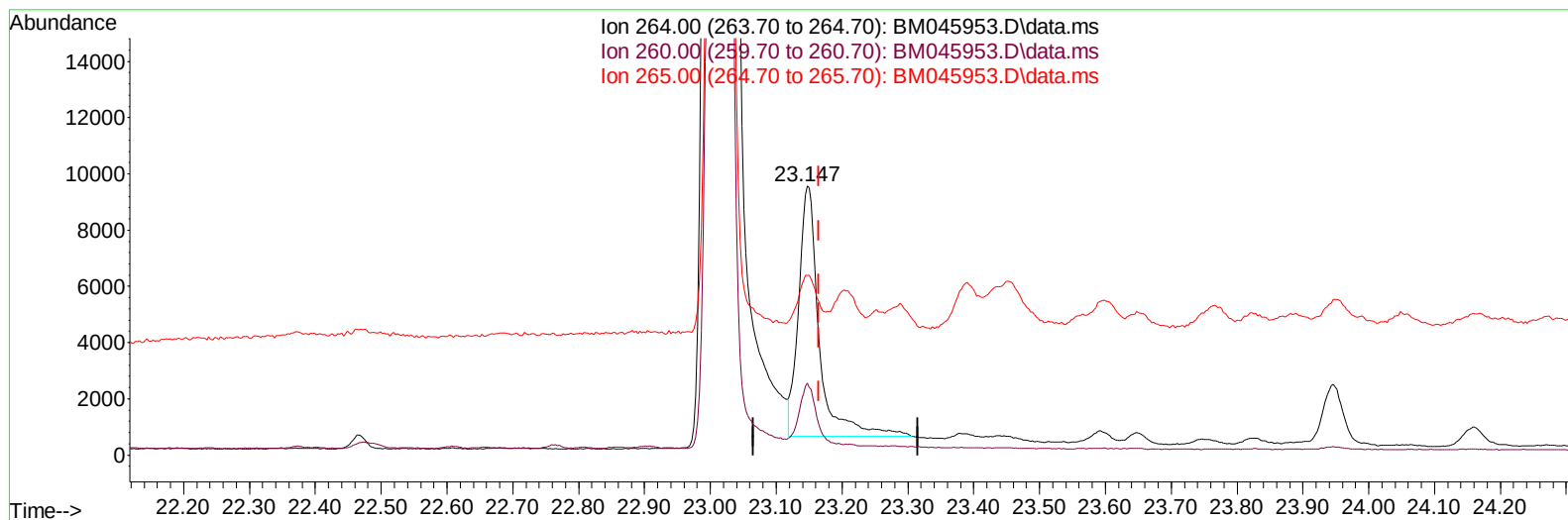
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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TIC: BM045953.D\data.ms

(23) Perylene-d12 (I)

23.147min (-0.018) 0.40 ng/u1

response 19439

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.84
265.00	76.60	66.86
0.00	0.00	0.00

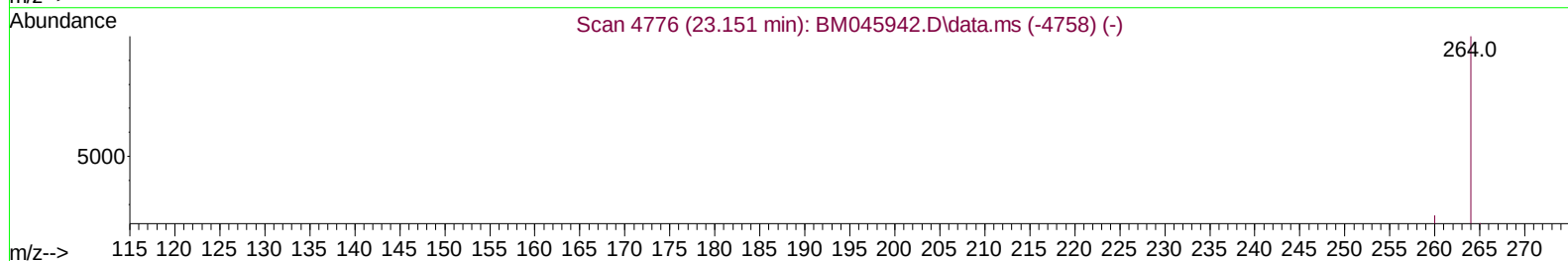
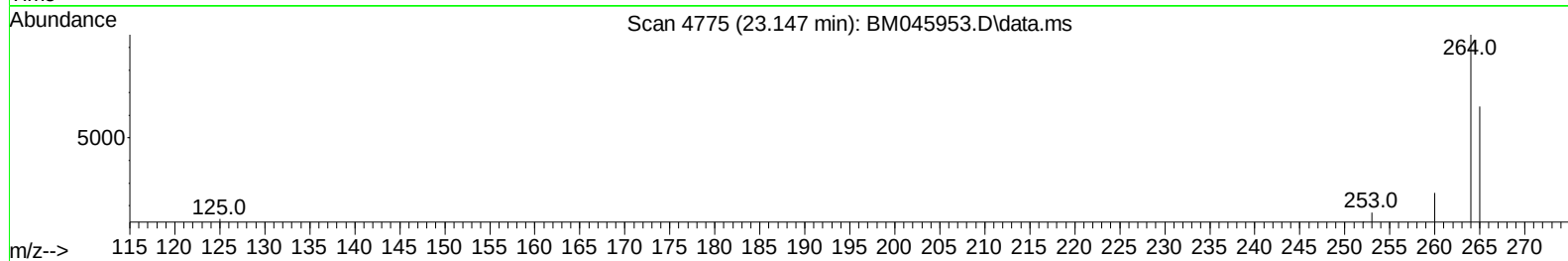
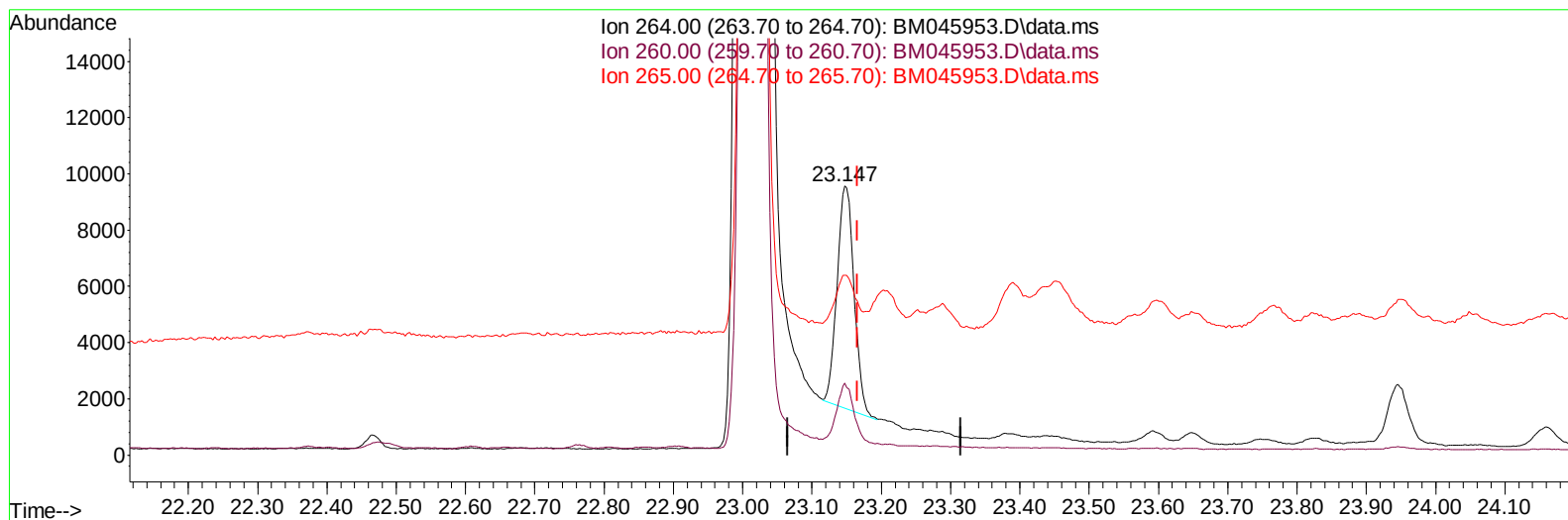
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045953.D\data.ms

(23) Perylene-d12 (I)

23.147min (-0.018) 0.40 ng/ul m

response 13416

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.84
265.00	76.60	66.86
0.00	0.00	0.00

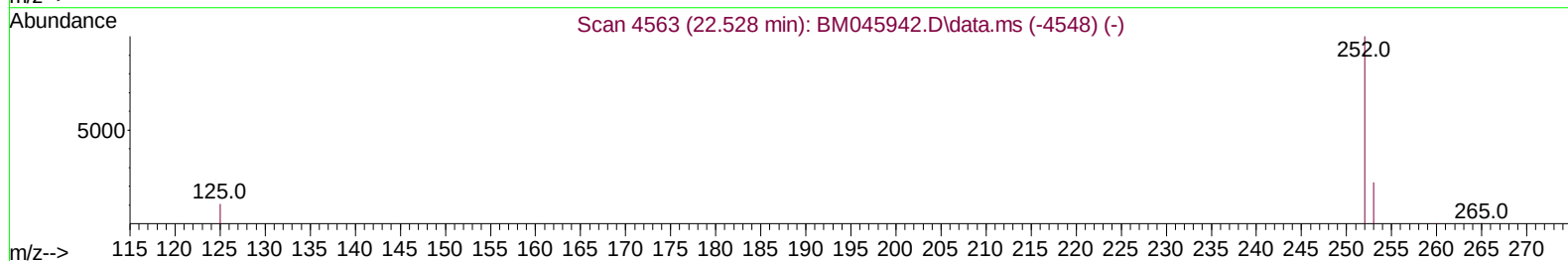
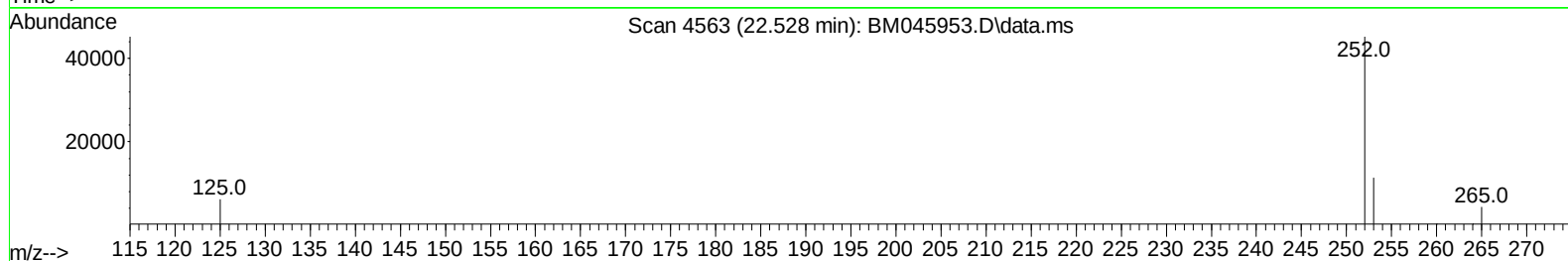
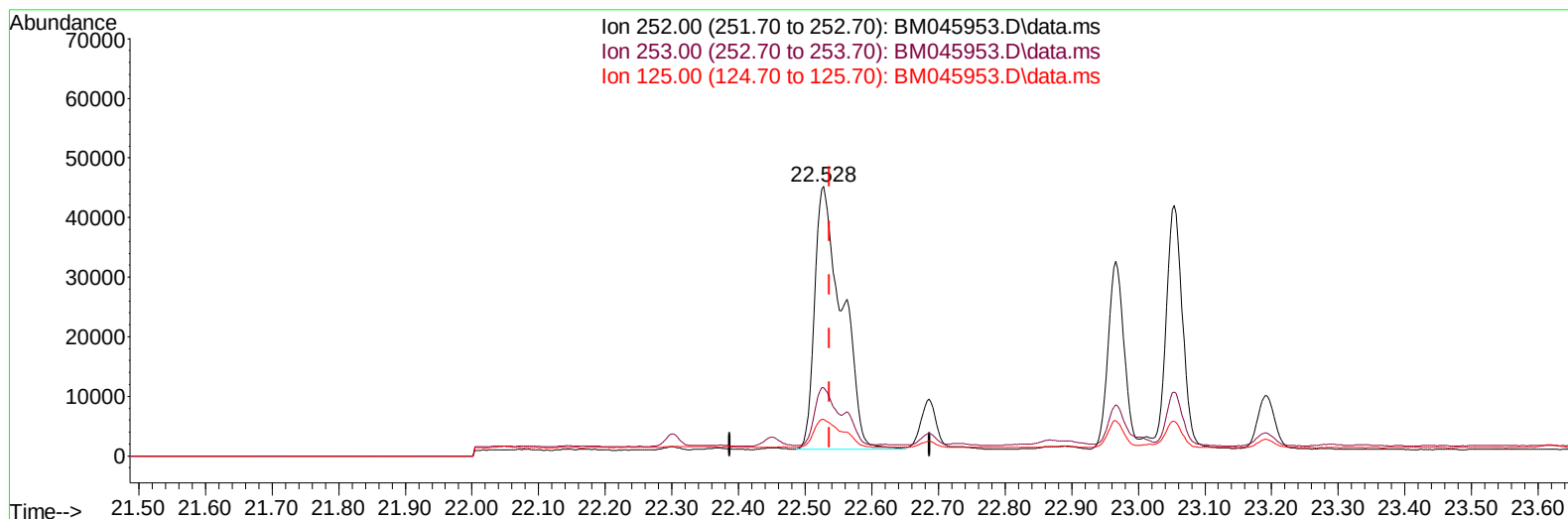
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

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TIC: BM045953.D\data.ms

(24) Benzo(b)fluoranthene

22.528min (-0.009) 2.85 ng/u1

response 126794

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	25.27
125.00	17.90	13.53
0.00	0.00	0.00

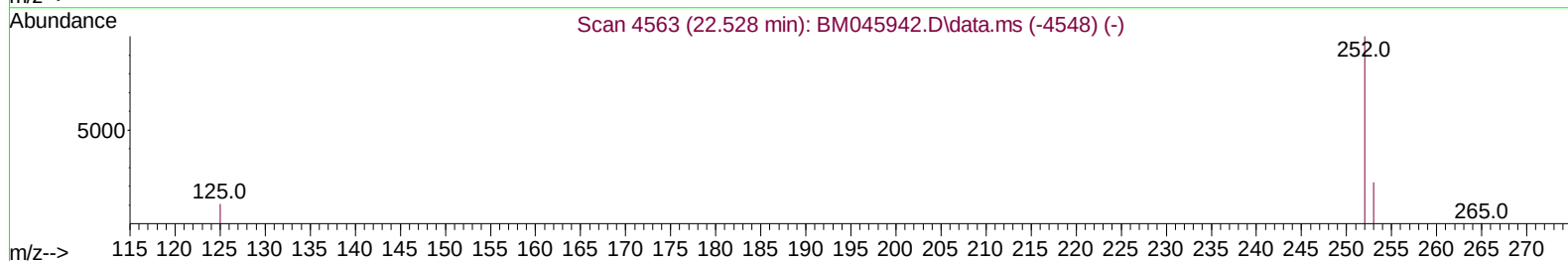
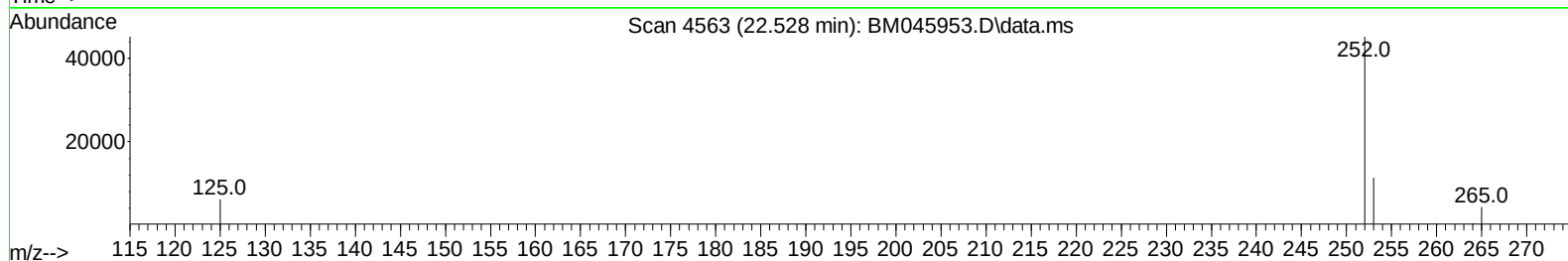
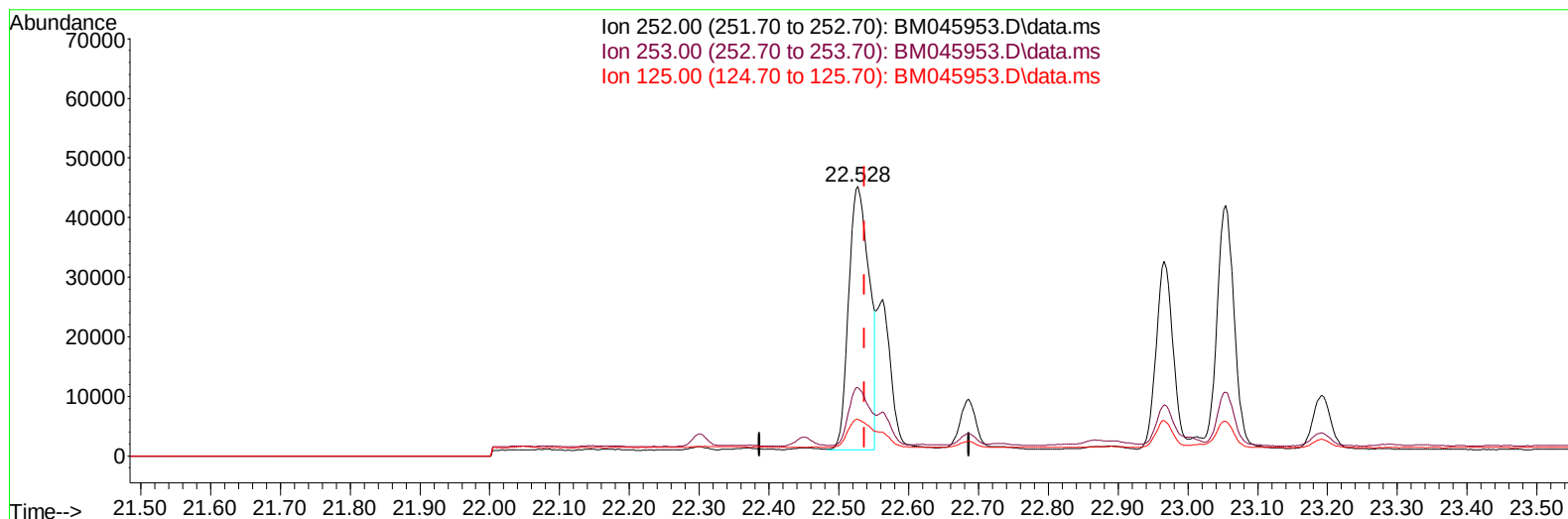
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045953.D\data.ms

(24) Benzo(b)fluoranthene

22.528min (-0.009) 2.03 ng/u l m

response 90448

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	25.27
125.00	17.90	13.53
0.00	0.00	0.00

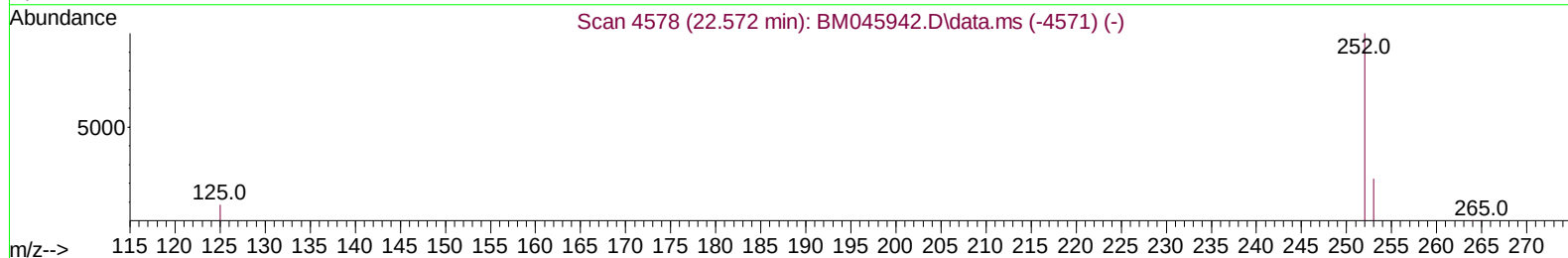
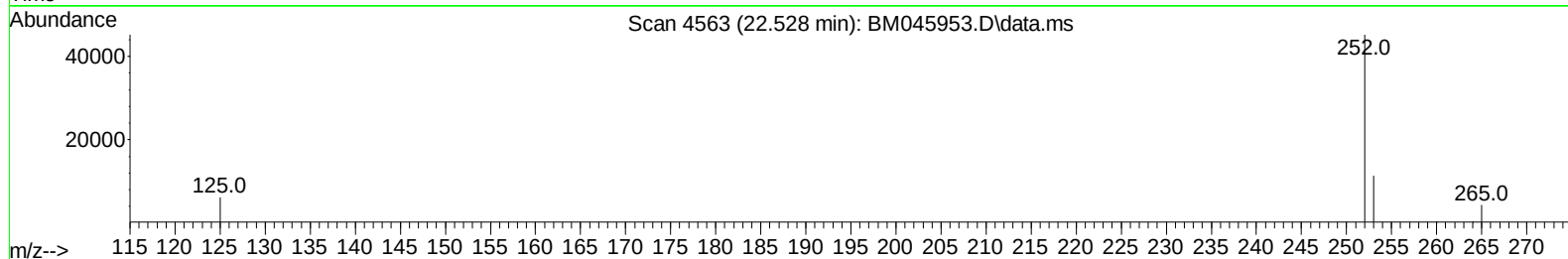
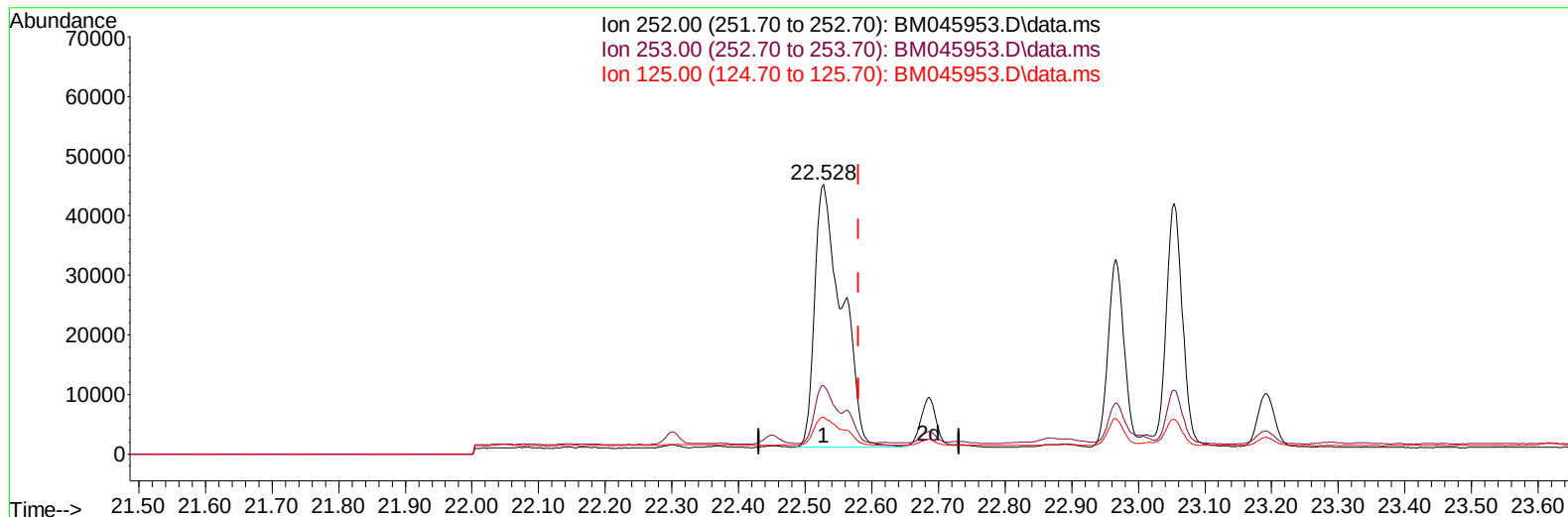
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045953.D\data.ms

(25) Benzo(k)fluoranthene

22.528min (-0.053) 2.59 ng/u1

response 126794

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	25.27
125.00	17.70	13.53#
0.00	0.00	0.00

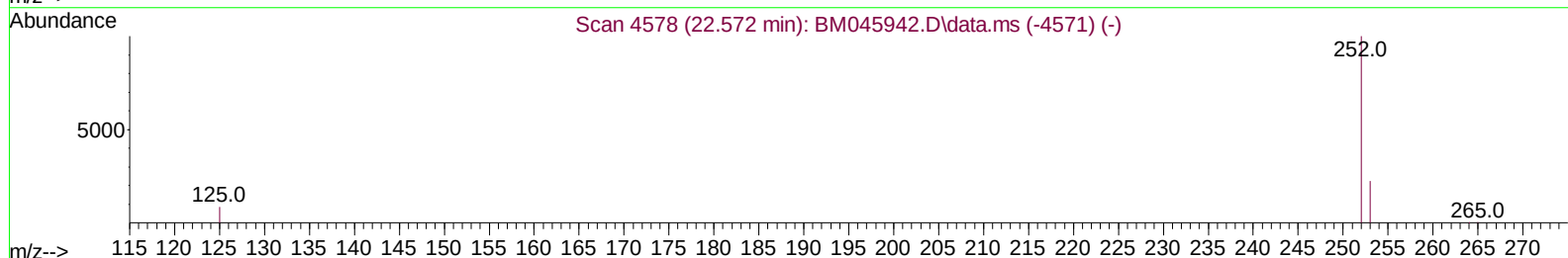
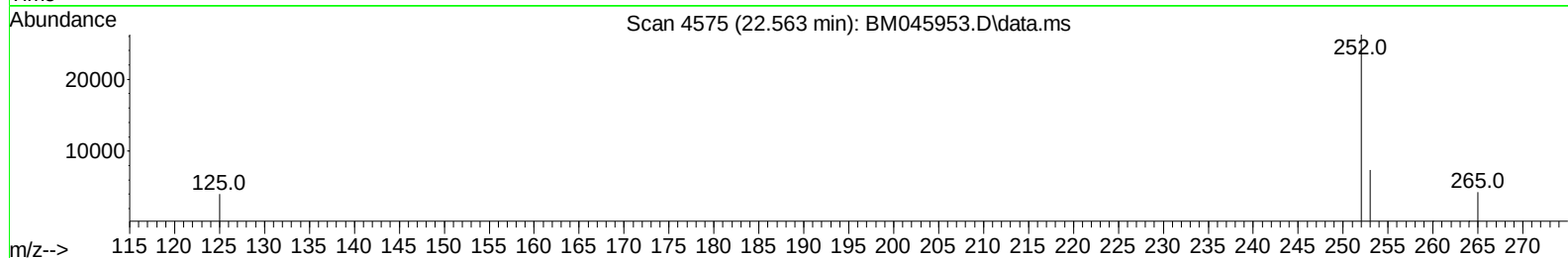
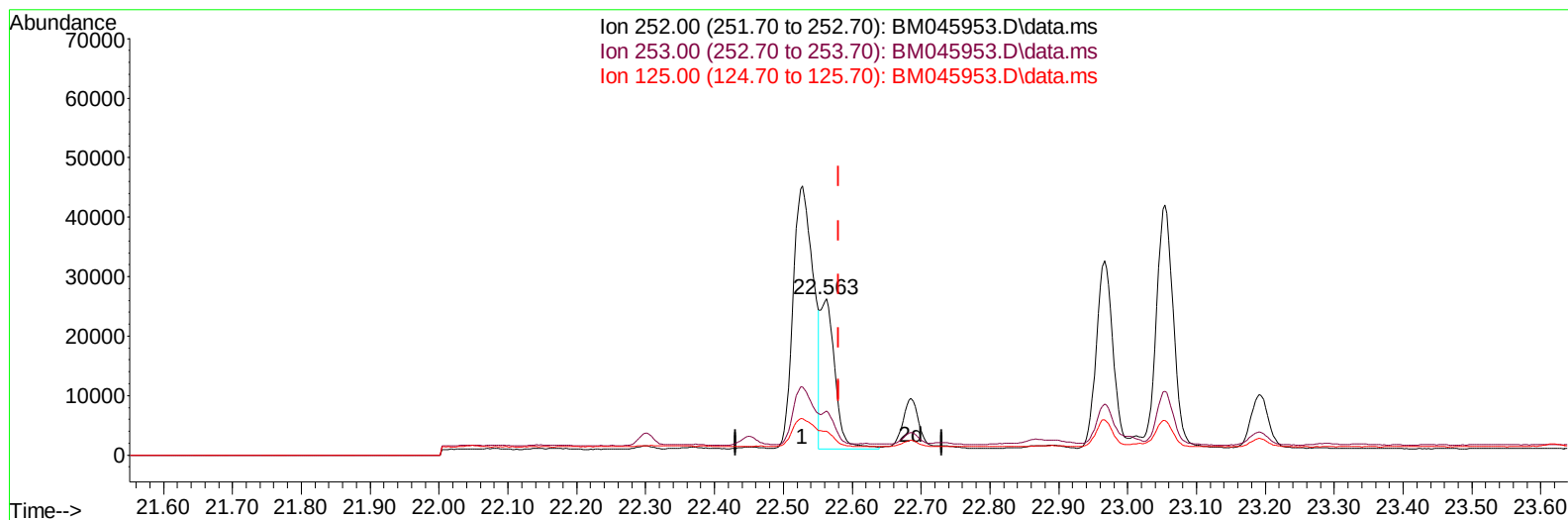
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH8

Manual IntegrationsAPPROVED

Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045953.D\data.ms

(25) Benzo(k)fluoranthene

22.563min (-0.018) 0.75 ng/ul m

response 36889

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	28.09
125.00	17.70	15.30
0.00	0.00	0.00

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.459	152		4430	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.233	136		14016	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.104	164		7311	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.846	188		15834m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240		12670m	0.400	ng/ul	-0.01
23) Perylene-d12	23.147	264		13416m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.054	96		18552	3.677	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.838	152		4316	0.214	ng/ul	0.00
18) Fluoranthene-d10	18.877	212		9356	0.247	ng/ul	-0.02
Target Compounds							
							Qvalue
5) Naphthalene	10.277	128		5704	0.156	ng/ul	96
7) 2-Methylnaphthalene	11.915	142		4054	0.174	ng/ul	100
8) 1-Methylnaphthalene	12.135	142		4943	0.195	ng/ul	98
10) Acenaphthylene	13.822	152		8900	0.268	ng/ul	98
11) Acenaphthene	14.169	153		6017	0.246	ng/ul	100
12) Fluorene	15.159	166		7254	0.266	ng/ul	98
15) Phenanthrene	16.884	178		143435m	3.226	ng/ul	
16) Anthracene	16.977	178		20292m	0.535	ng/ul	
19) Fluoranthene	18.909	202		164724	3.260	ng/ul	96
20) Pyrene	19.272	202		176464	3.348	ng/ul	96
21) Benzo(a)anthracene	21.026	228		76589	1.647	ng/ul	97
22) Chrysene	21.076	228		91329	1.804	ng/ul	99
24) Benzo(b)fluoranthene	22.528	252		90448m	2.033	ng/ul	
25) Benzo(k)fluoranthene	22.563	252		36889m	0.754	ng/ul	
26) Benzo(a)pyrene	23.054	252		69741	1.576	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.209	276		47240	0.826	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.209	278		11900	0.260	ng/ul#	89
29) Benzo(g,h,i)perylene	25.836	276		50308	1.019	ng/ul	97

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

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