

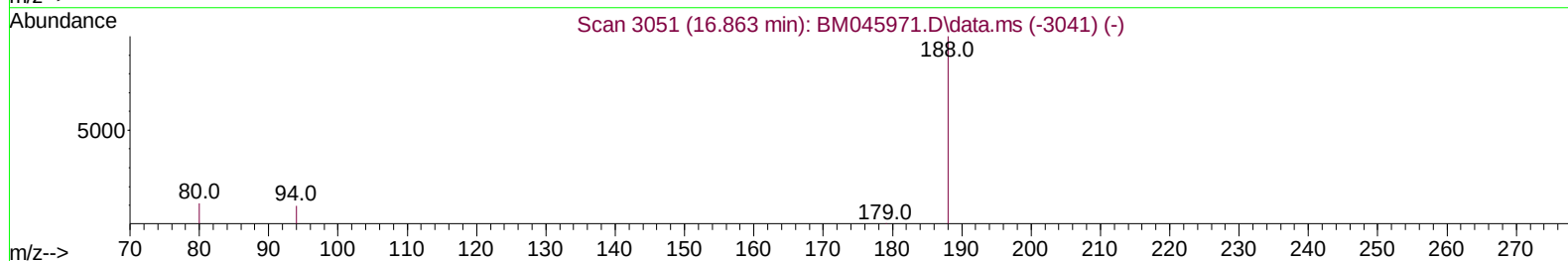
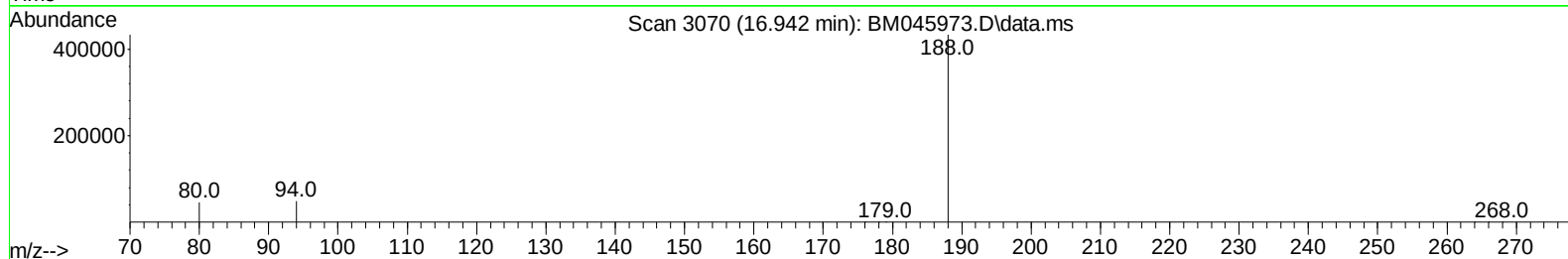
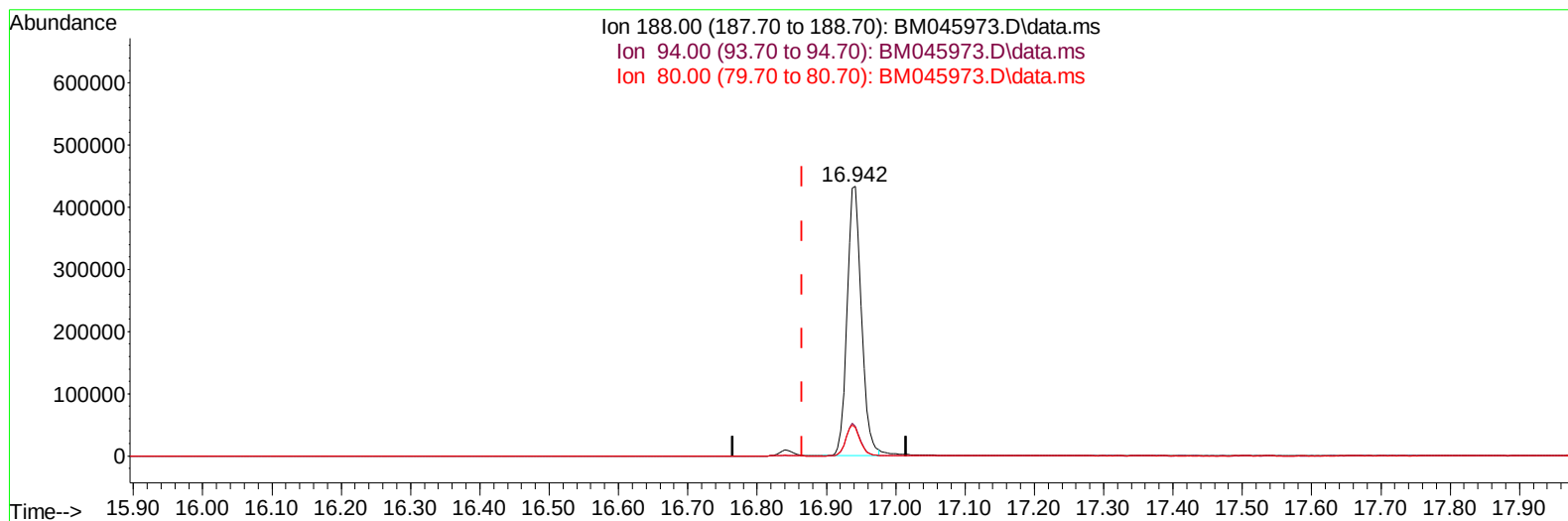
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(13) Phenanthrene-d10 (I)

16.942min (+ 0.076) 0.40 ng/u1

response 626098

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.06
80.00	11.70	10.48
0.00	0.00	0.00

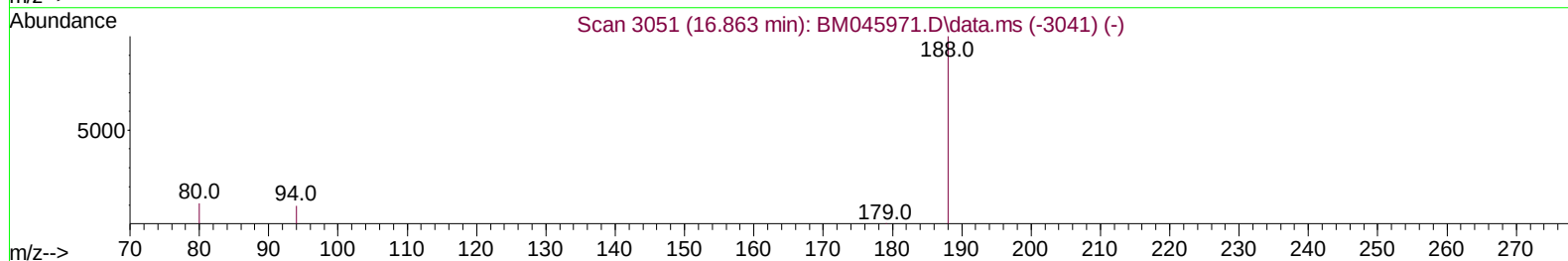
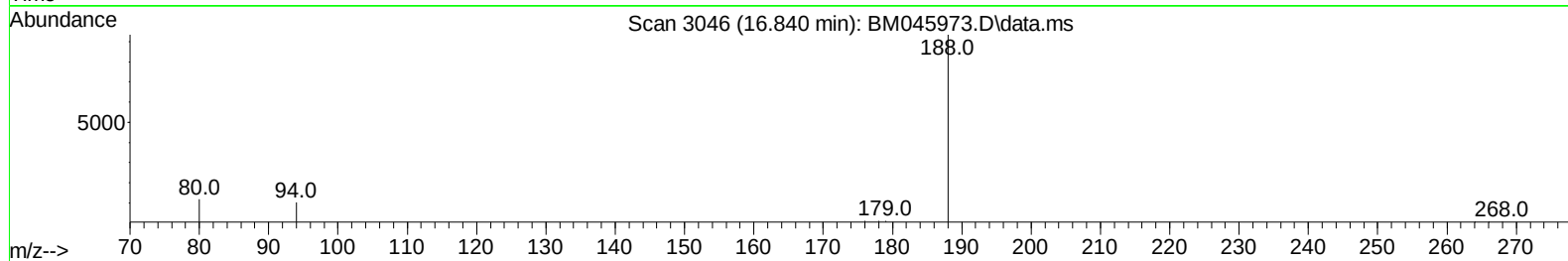
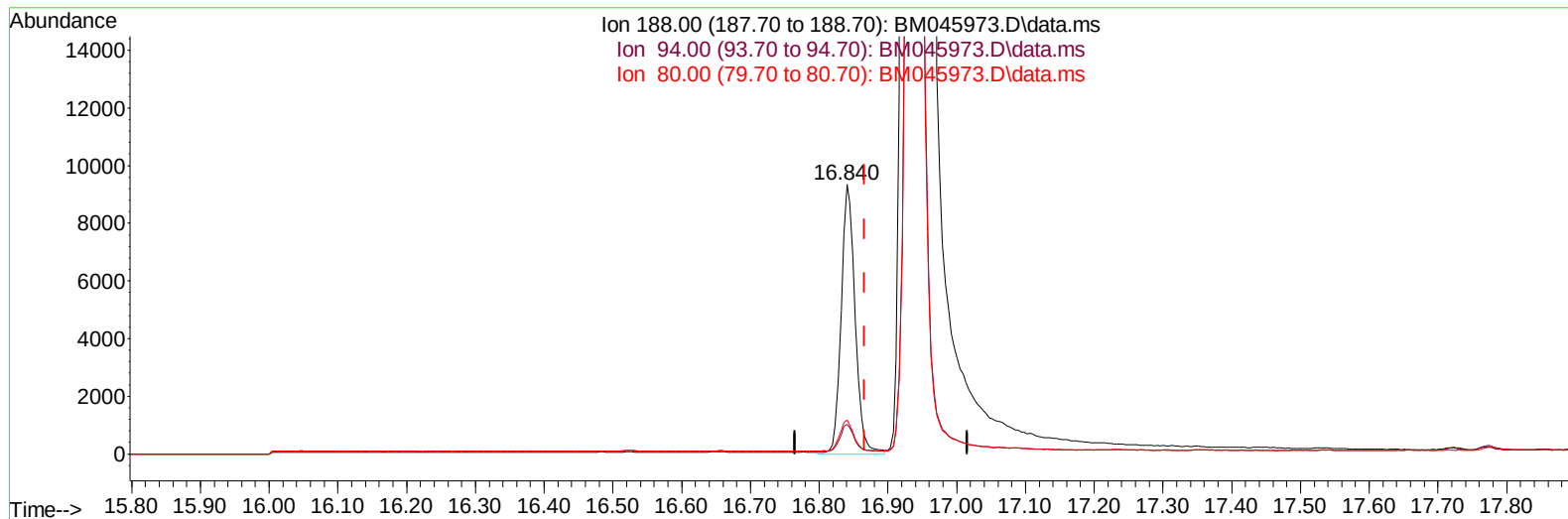
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(13) Phenanthrene-d10 (I)

16.840min (-0.025) 0.40 ng/ul m

response 13209

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.98
80.00	11.70	12.76
0.00	0.00	0.00

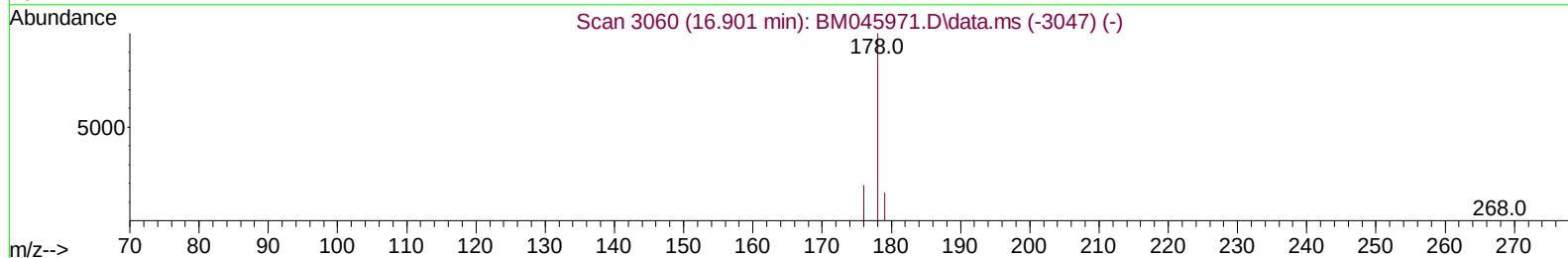
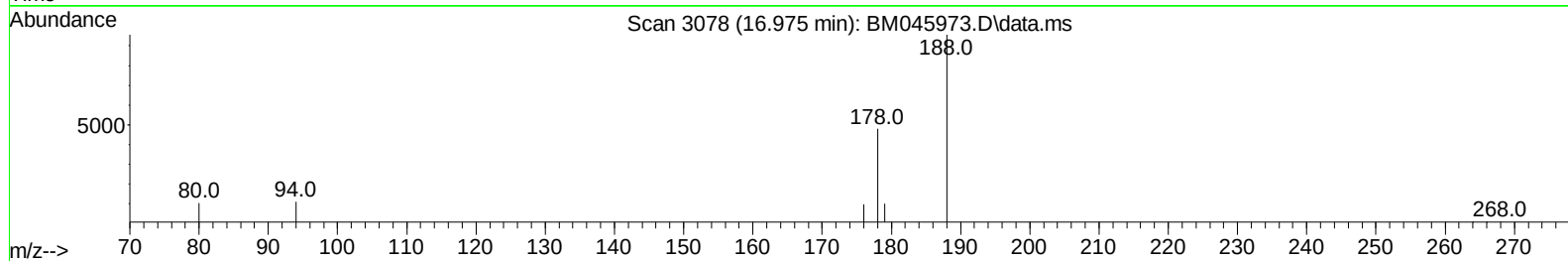
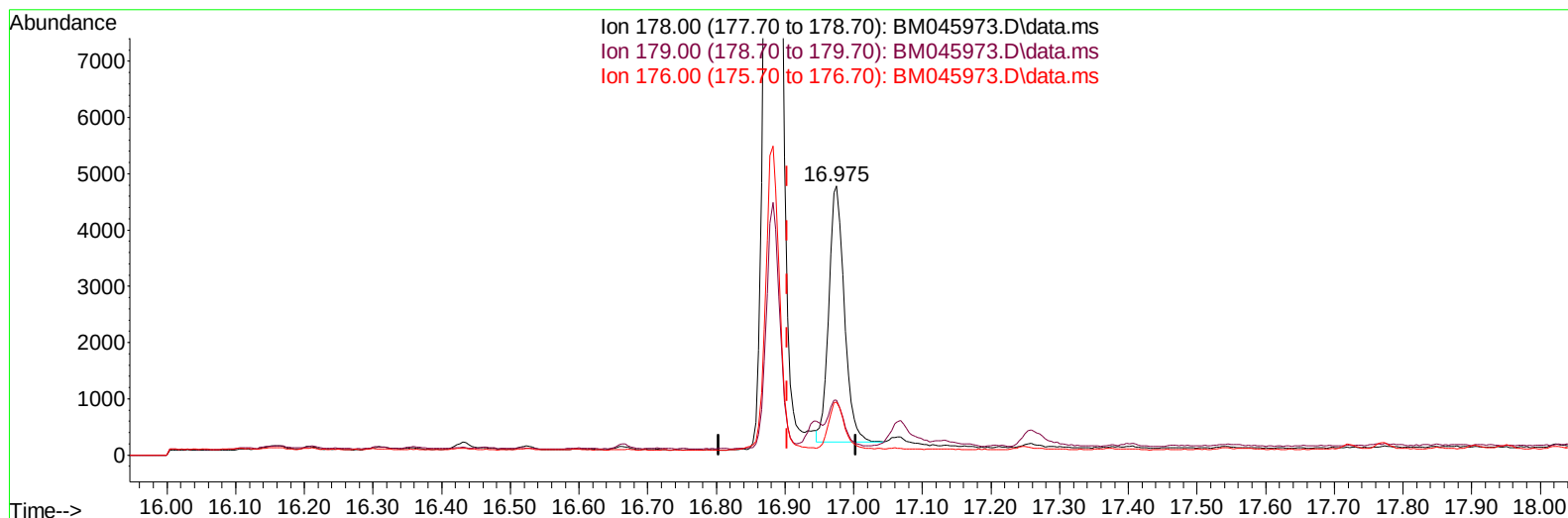
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(15) Phenanthrene

16.975min (+ 0.072) 0.19 ng/u1

response 7099

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	20.42#
176.00	19.50	19.77
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045973.D
 Acq On : 11 Jun 2024 10:33
 Operator : MA/JU
 Sample : P2640-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 2024

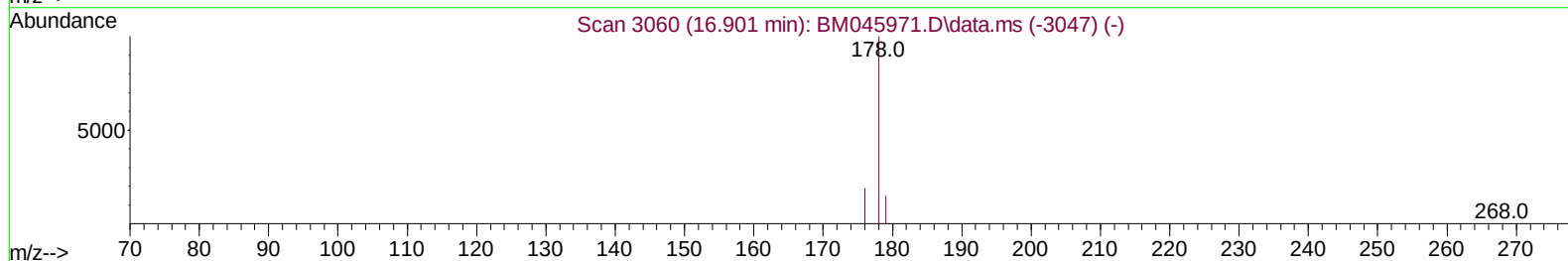
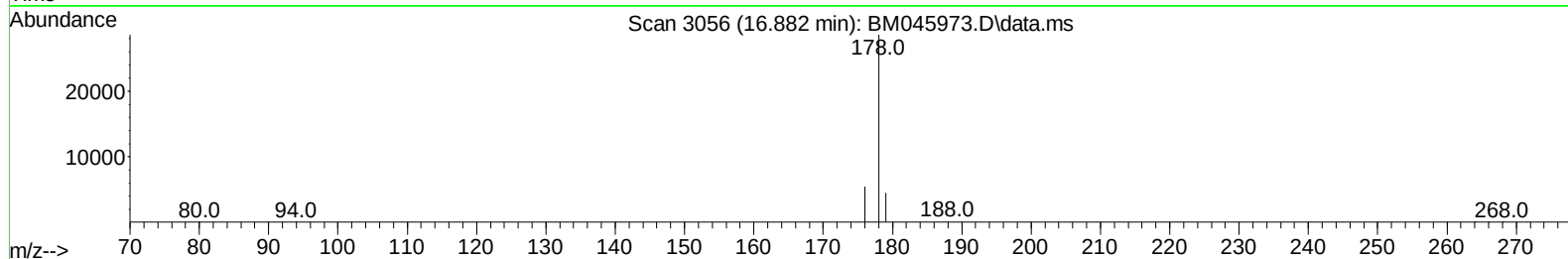
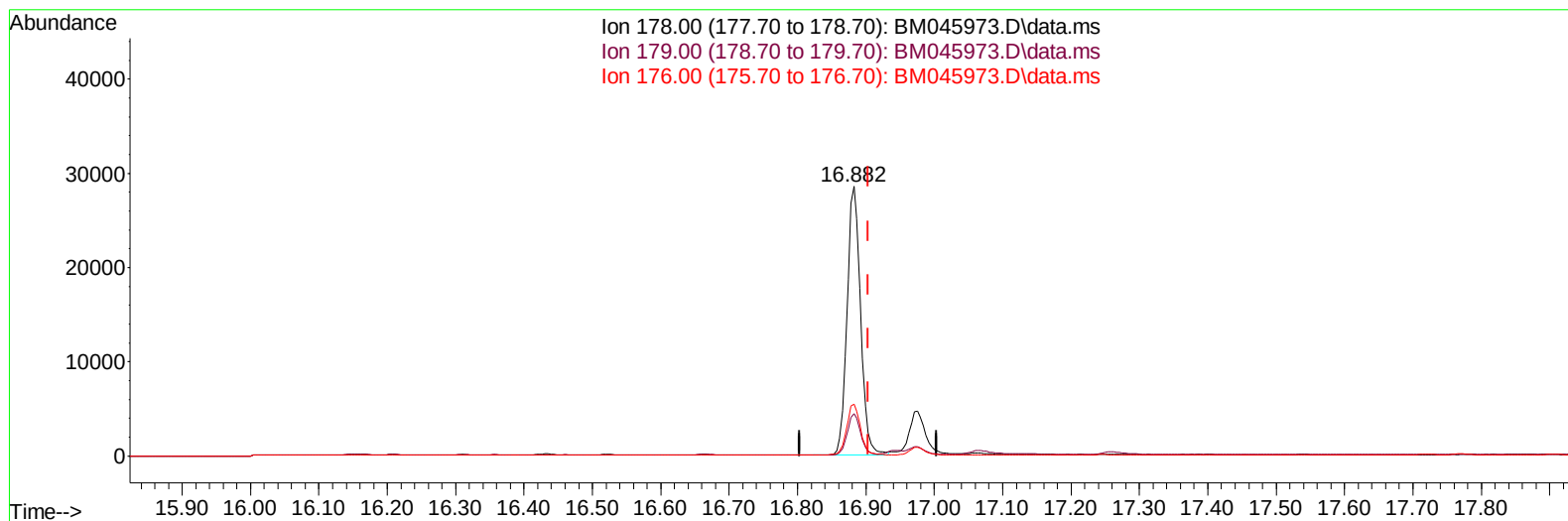
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 10 22:47:12 2024

Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
 Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(15) Phenanthrene

16.882min (-0.021) 1.07 ng/ul m

response 39567

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.71
176.00	19.50	19.22
0.00	0.00	0.00

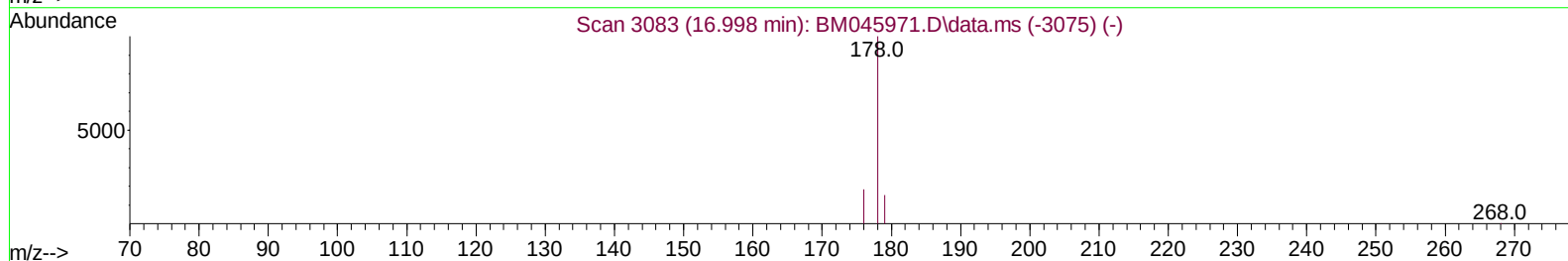
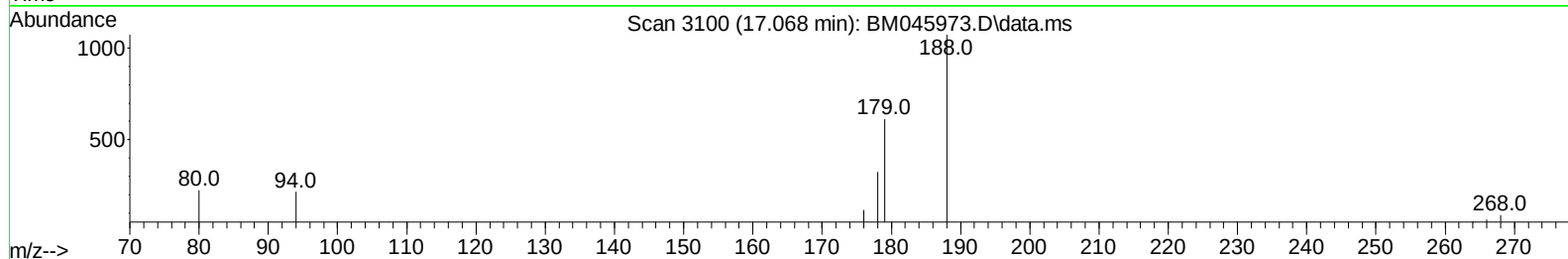
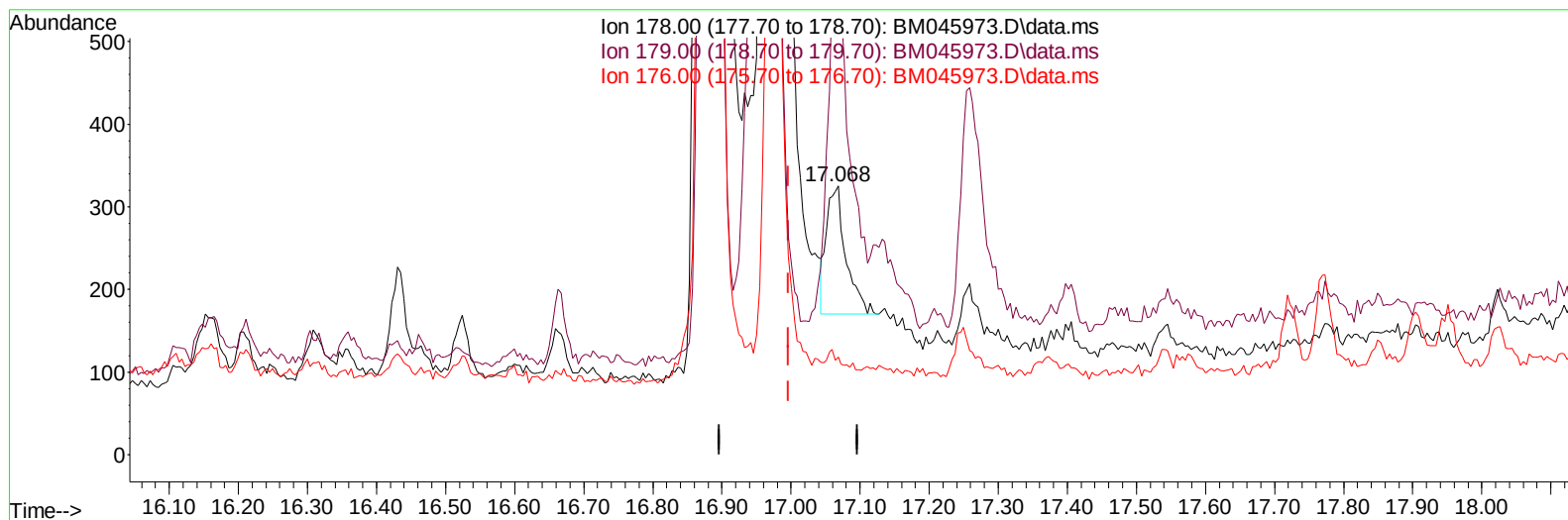
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
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TIC: BM045973.D\data.ms

(16) Anthracene

17.068min (+ 0.072) 0.01 ng/u1

response 303

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	188.31#
176.00	19.40	36.31#
0.00	0.00	0.00

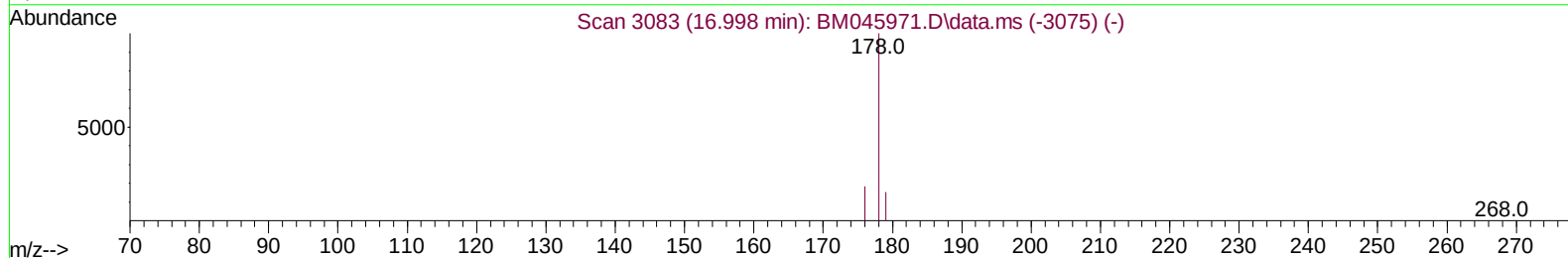
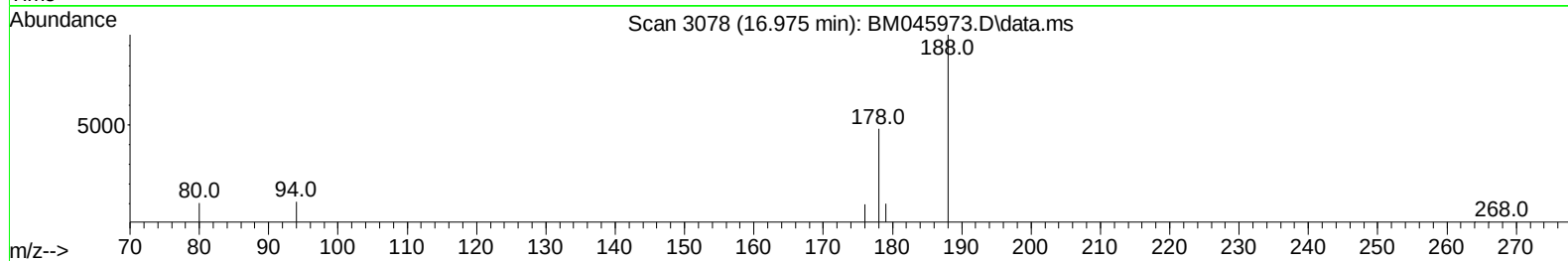
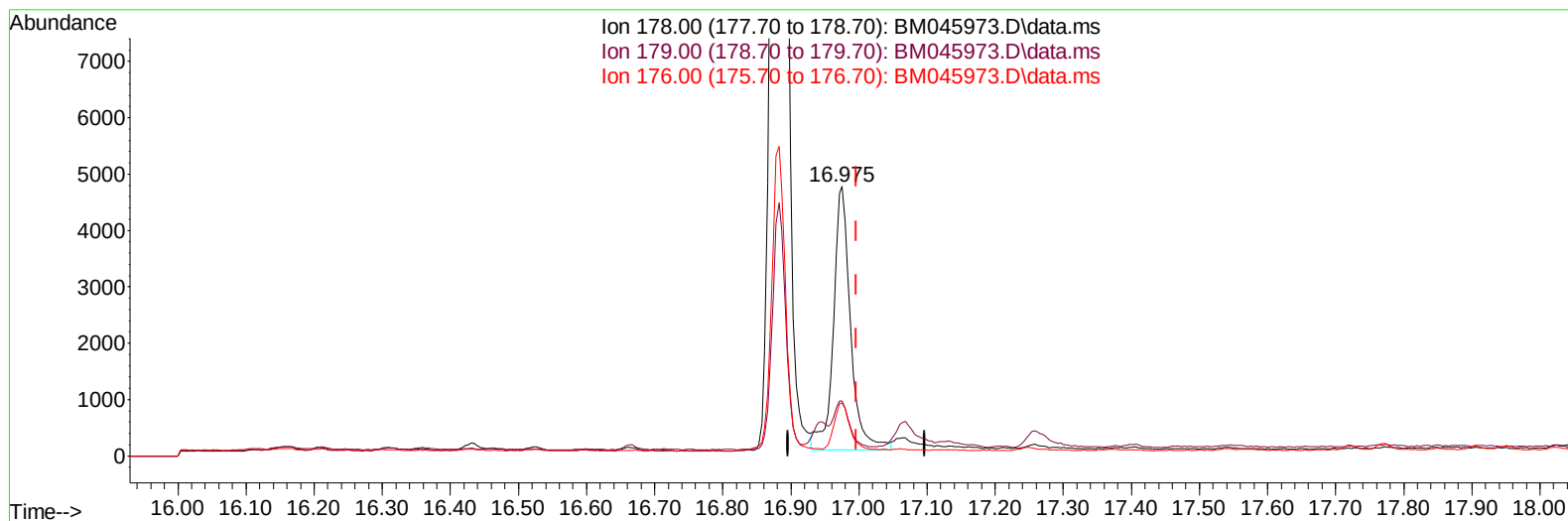
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(16) Anthracene

16.975min (-0.021) 0.26 ng/ul m

response 8206

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	20.42#
176.00	19.40	19.77
0.00	0.00	0.00

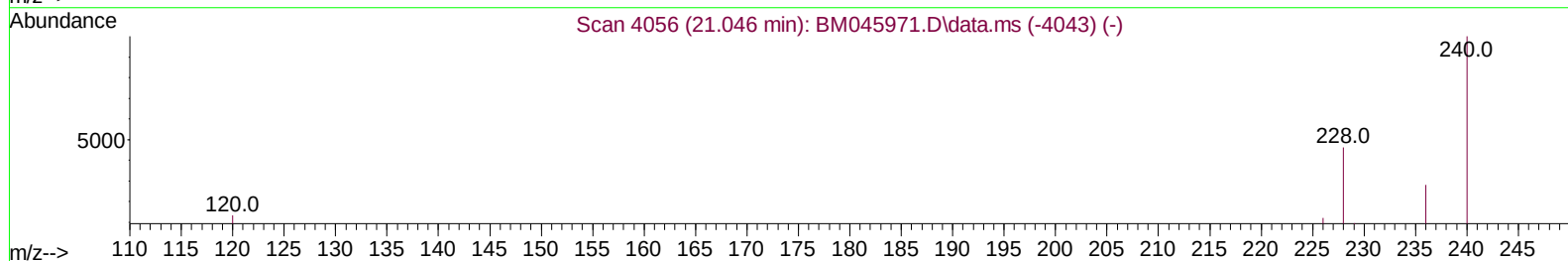
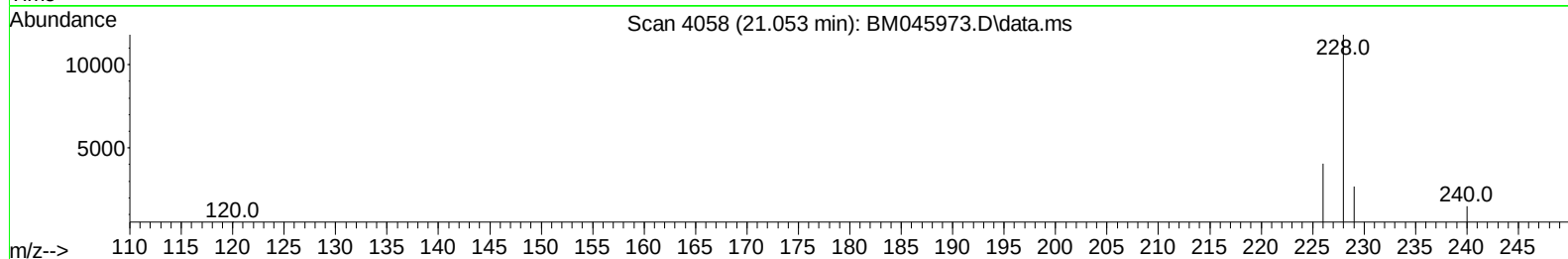
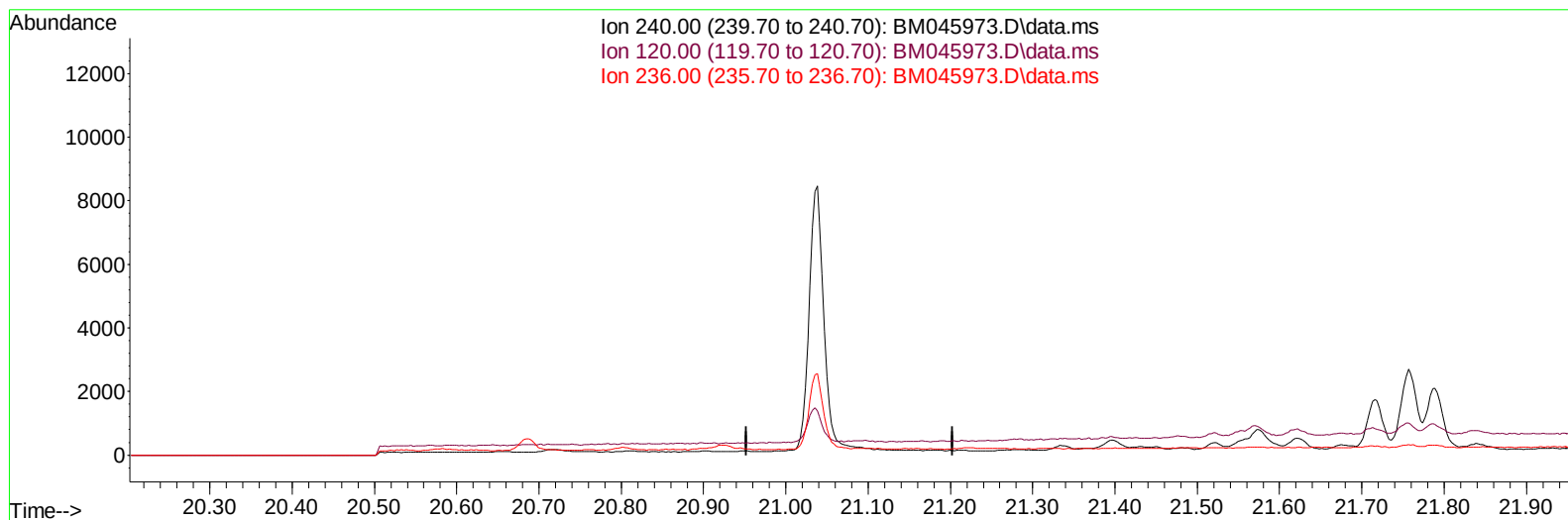
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
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Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.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

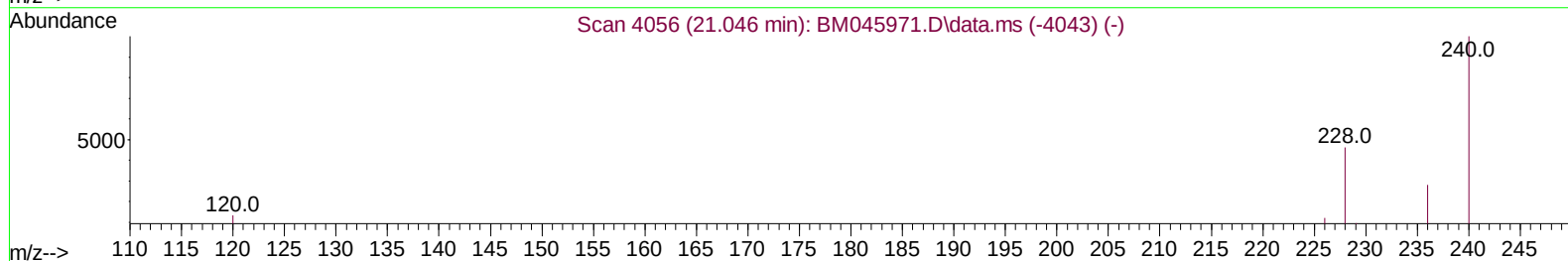
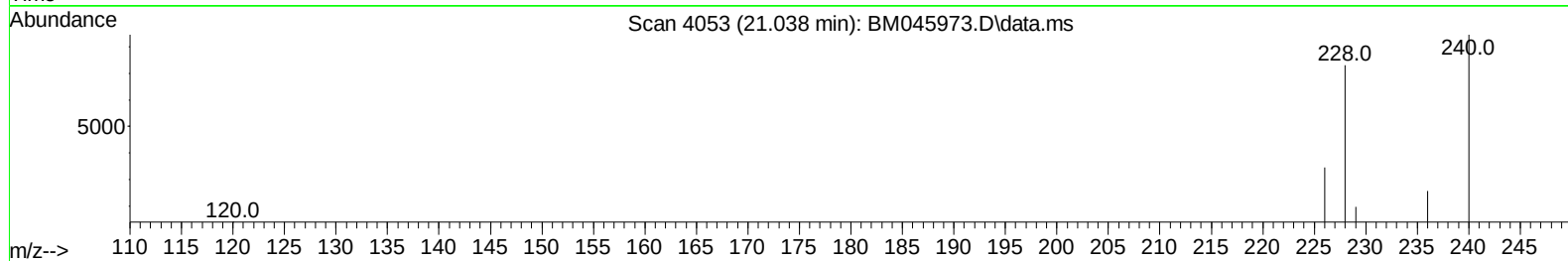
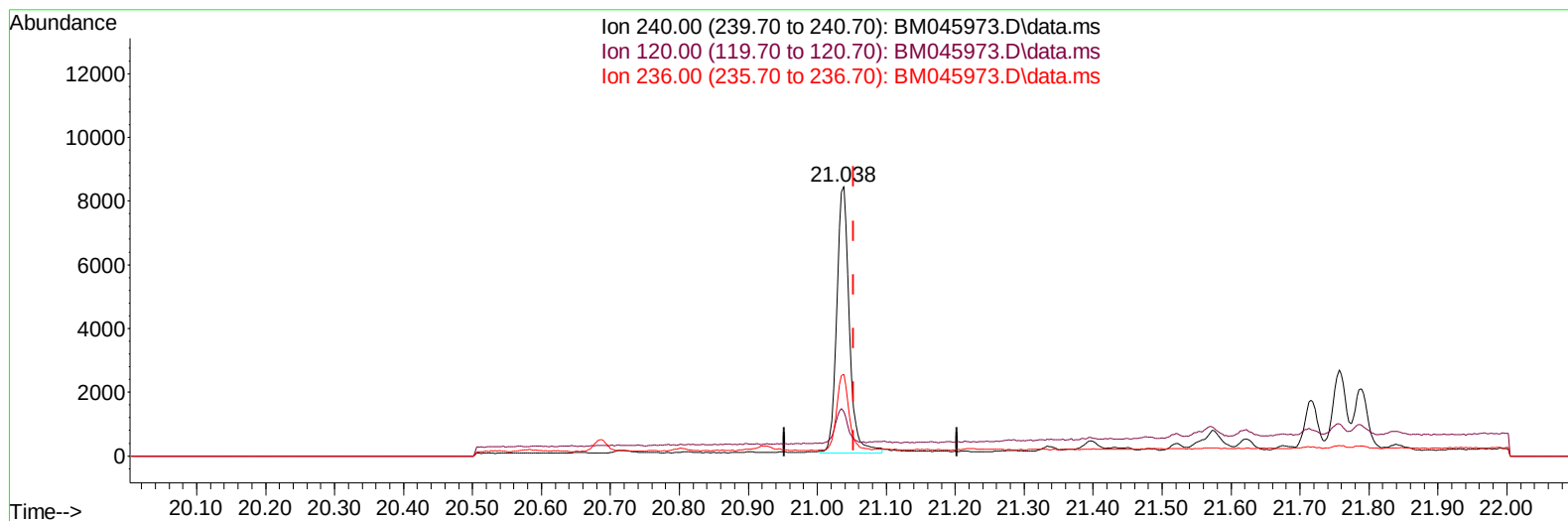
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(17) Chrysene-d12

21.038min (-0.015) 0.40 ng/ul m

response 10596

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	16.45
236.00	29.50	30.42
0.00	0.00	0.00

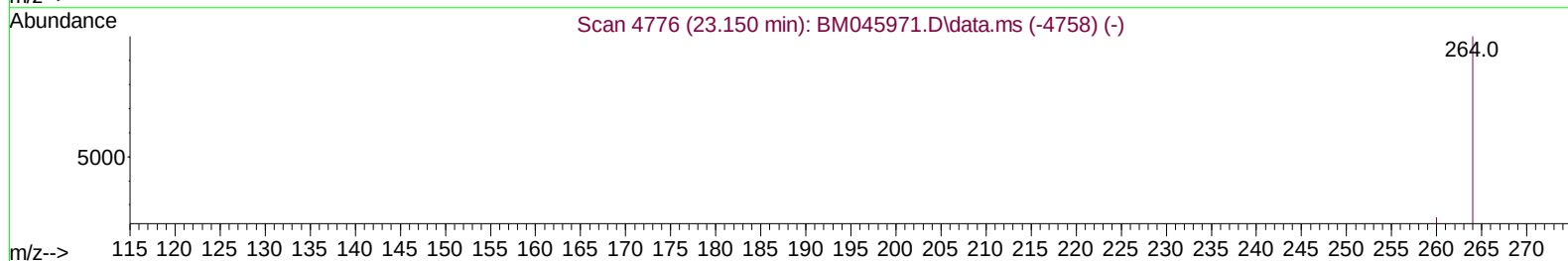
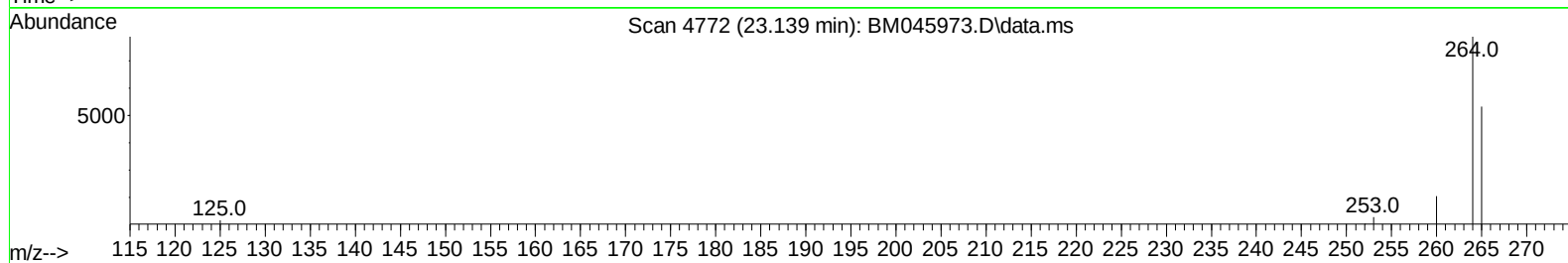
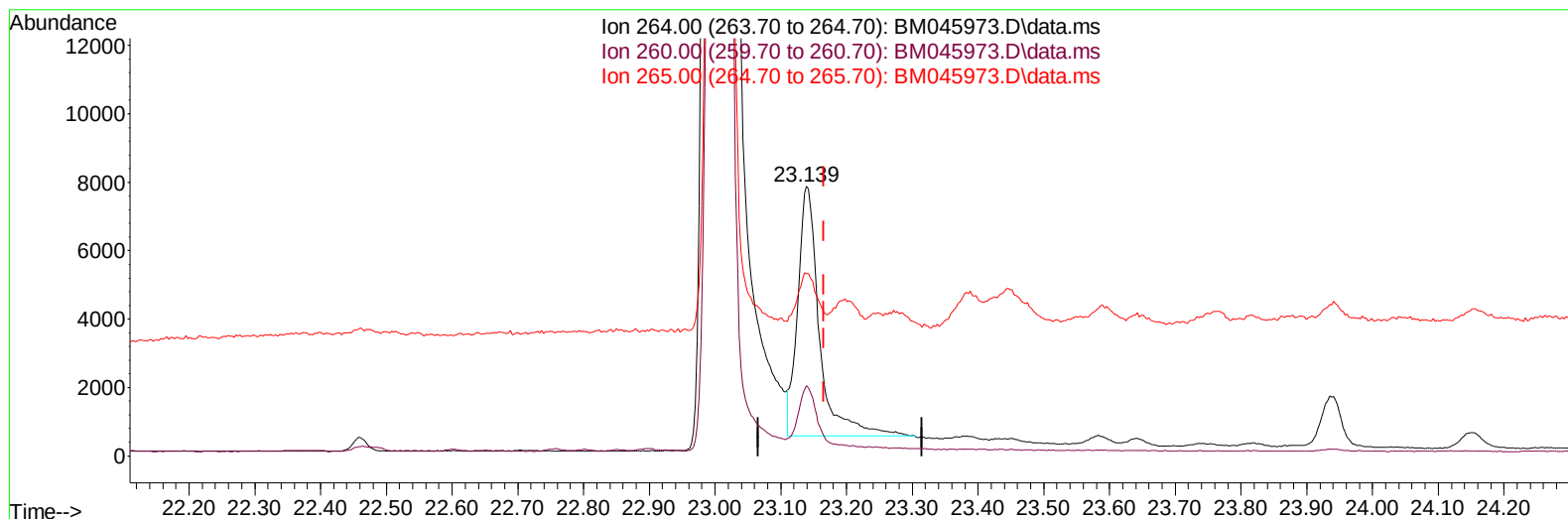
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(23) Perylene-d12 (I)

23.139min (-0.026) 0.40 ng/u1

response 16560

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.95
265.00	76.60	67.62
0.00	0.00	0.00

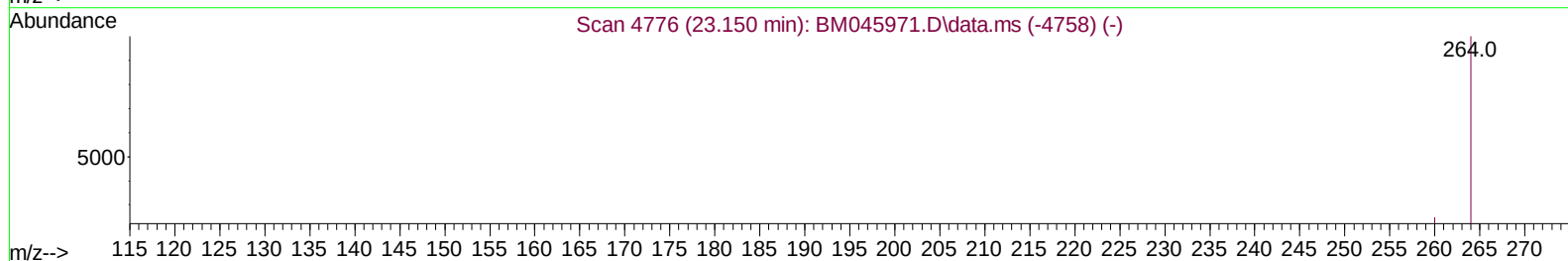
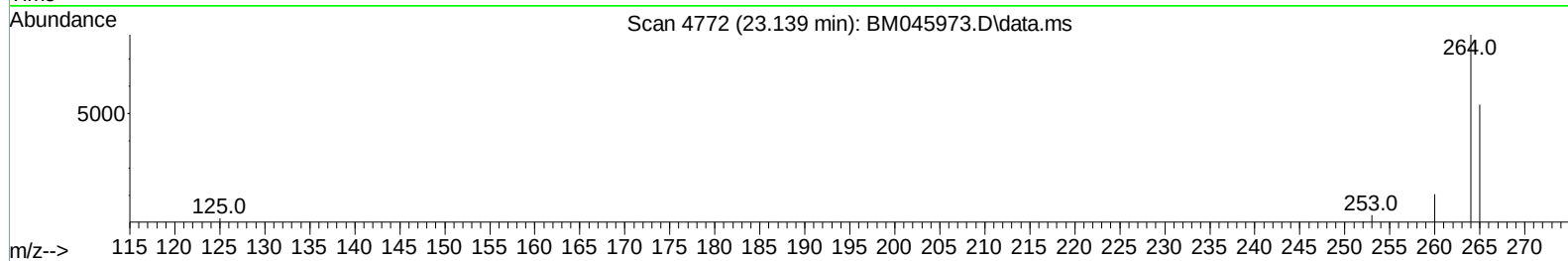
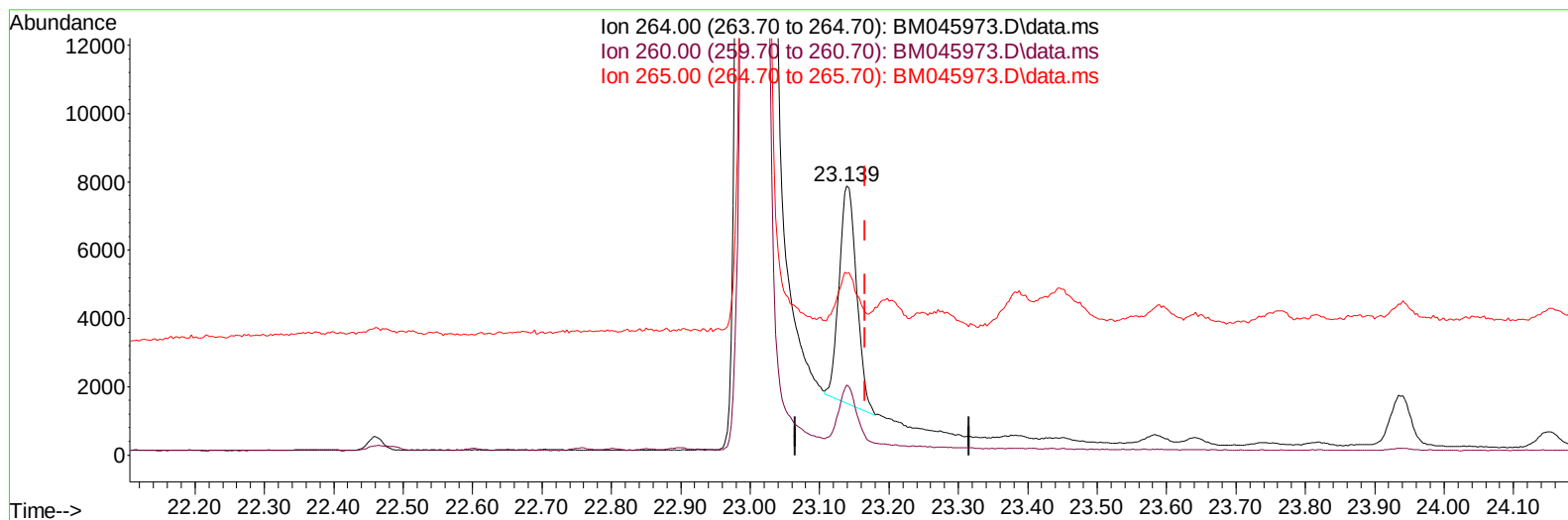
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(23) Perylene-d12 (I)

23.139min (-0.026) 0.40 ng/ul m

response 11142

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.95
265.00	76.60	67.62
0.00	0.00	0.00

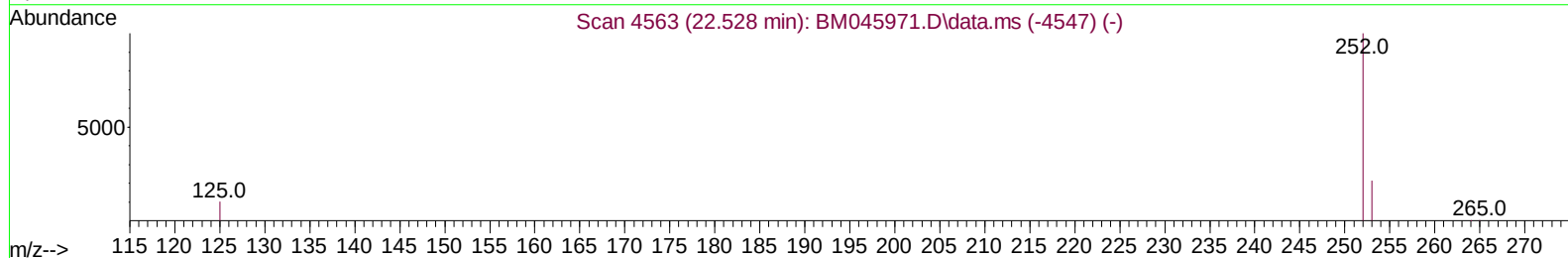
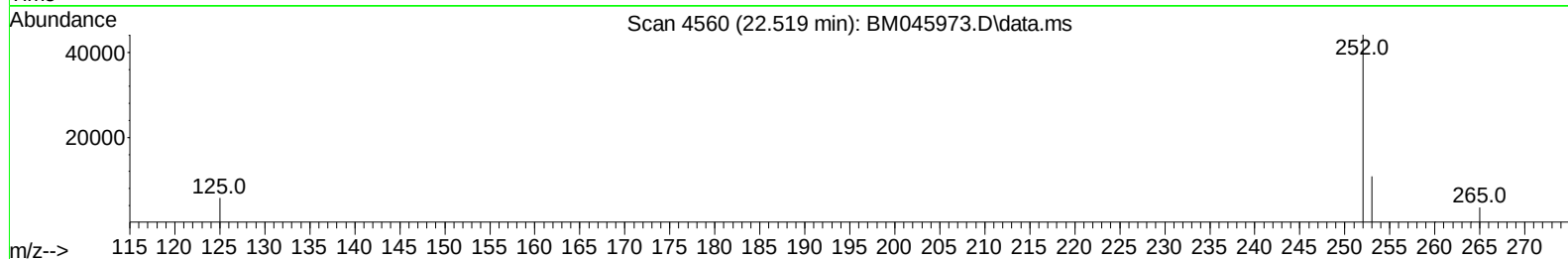
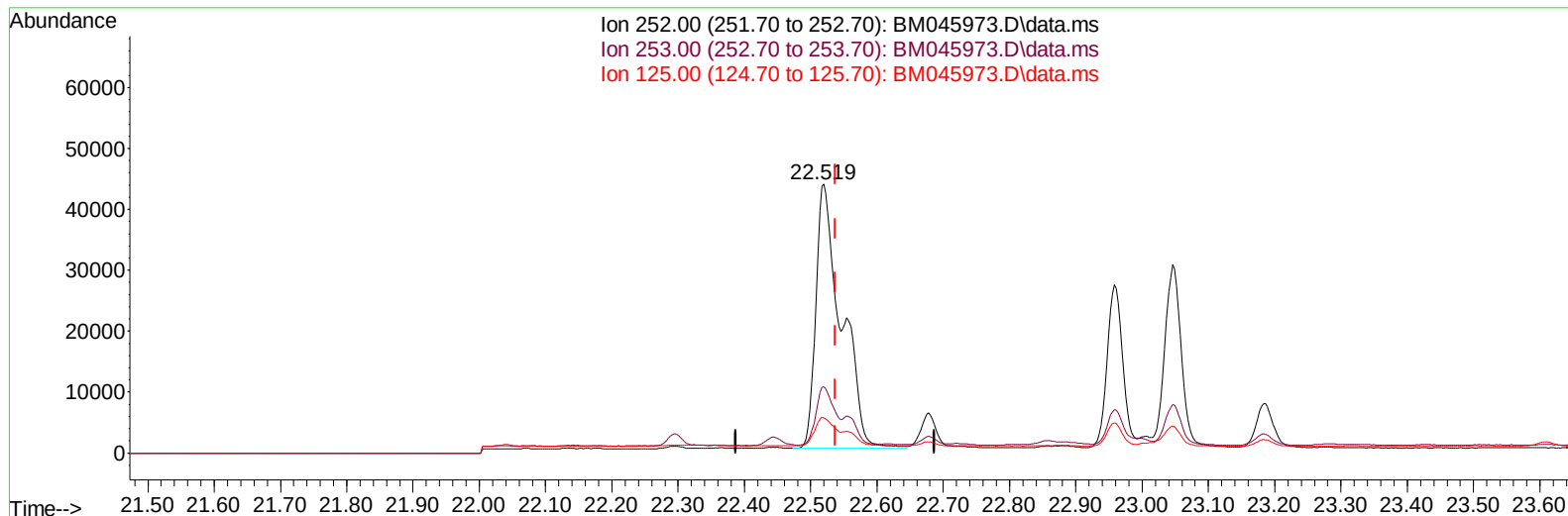
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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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Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(24) Benzo(b)fluoranthene

22.519min (-0.018) 3.15 ng/u1

response 116449

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	24.71
125.00	17.90	13.03
0.00	0.00	0.00

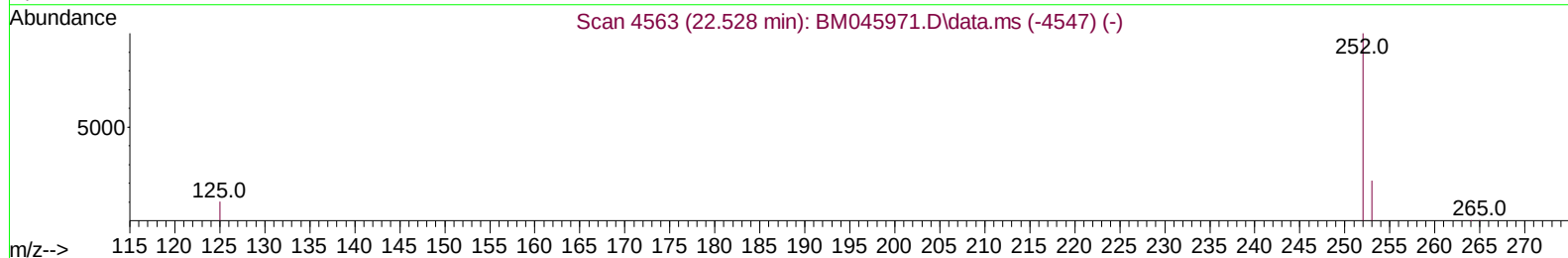
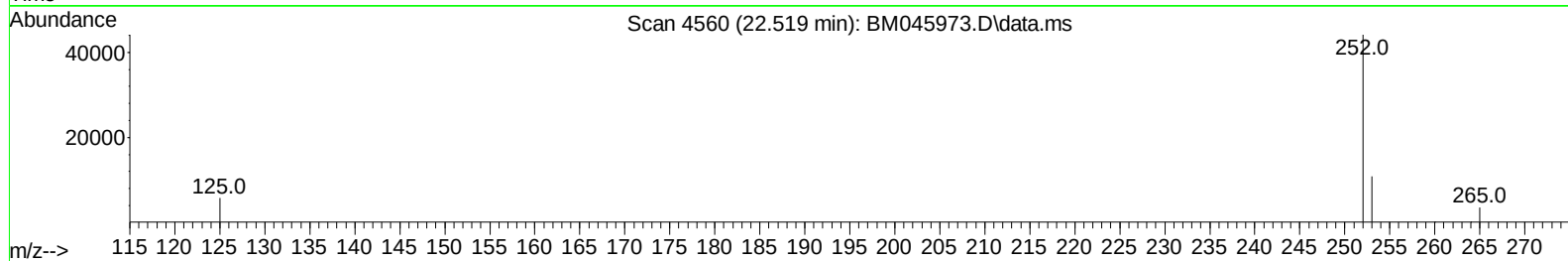
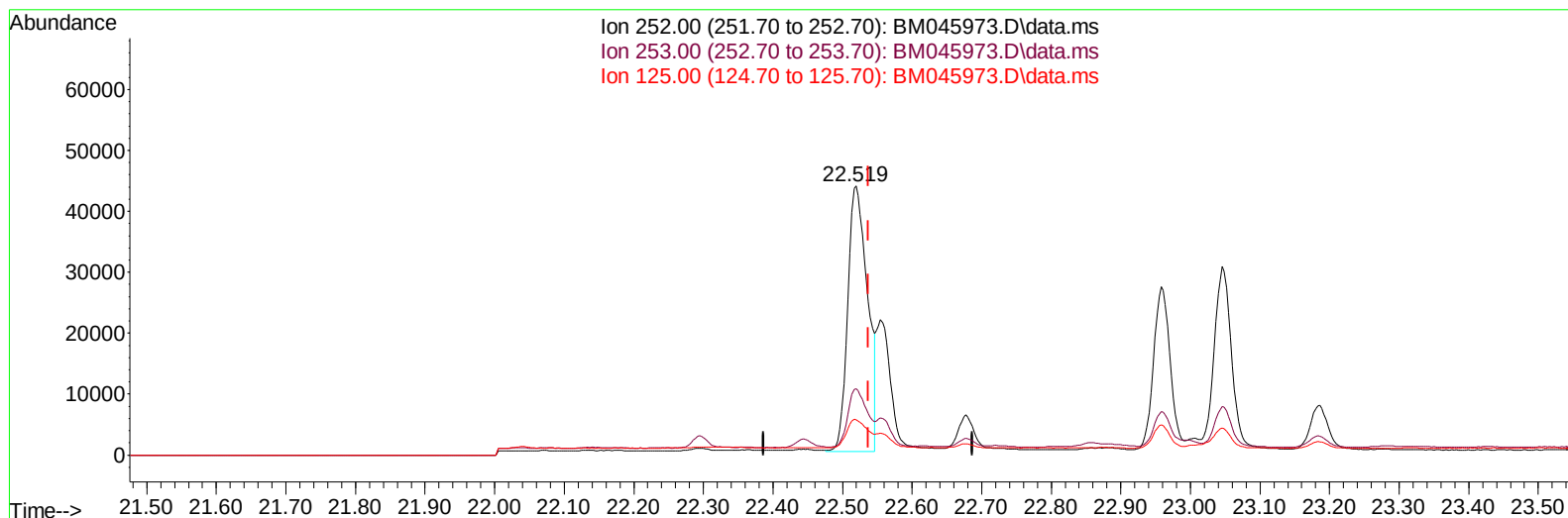
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(24) Benzo(b)fluoranthene

22.519min (-0.018) 2.31 ng/u l m

response 85416

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	24.71
125.00	17.90	13.03
0.00	0.00	0.00

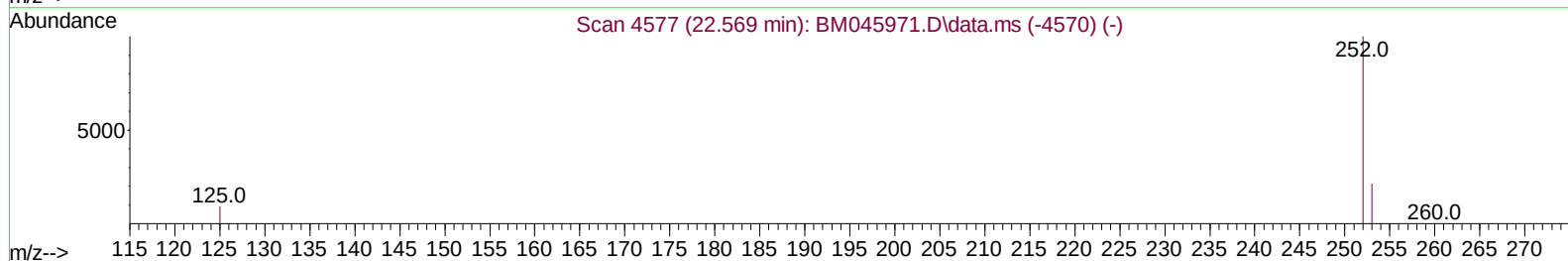
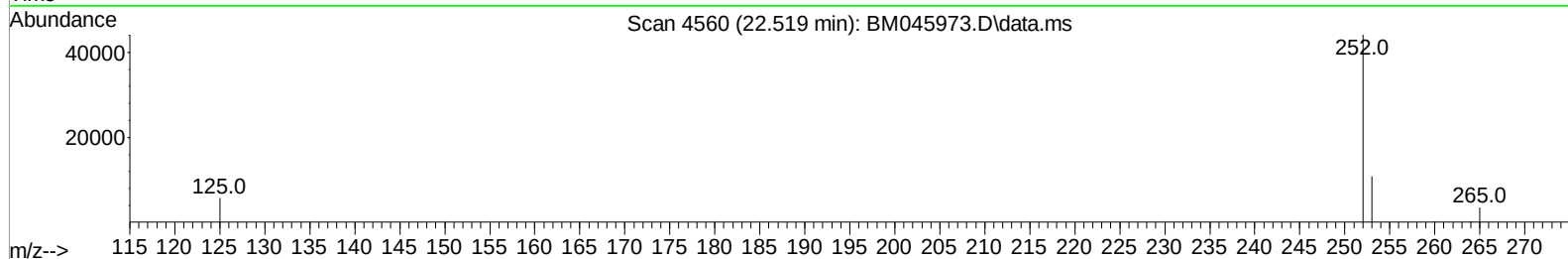
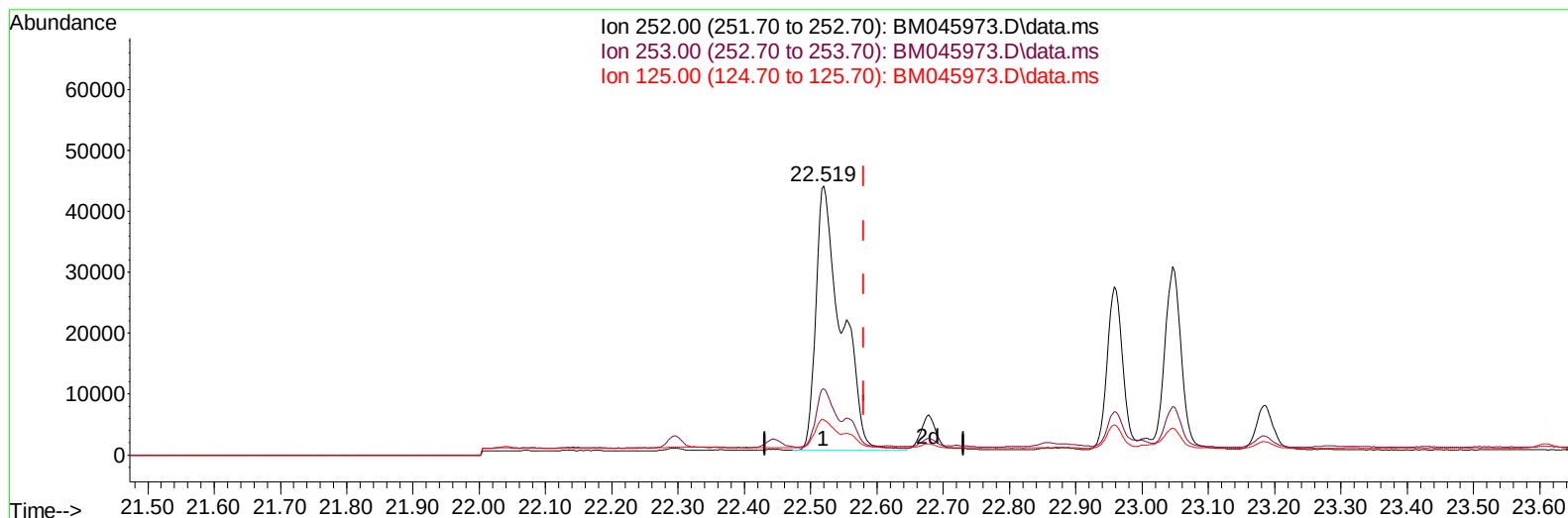
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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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Response via : Initial Calibration

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(25) Benzo(k)fluoranthene

22.519min (-0.061) 2.87 ng/u1

response 116449

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.71#
125.00	17.70	13.03#
0.00	0.00	0.00

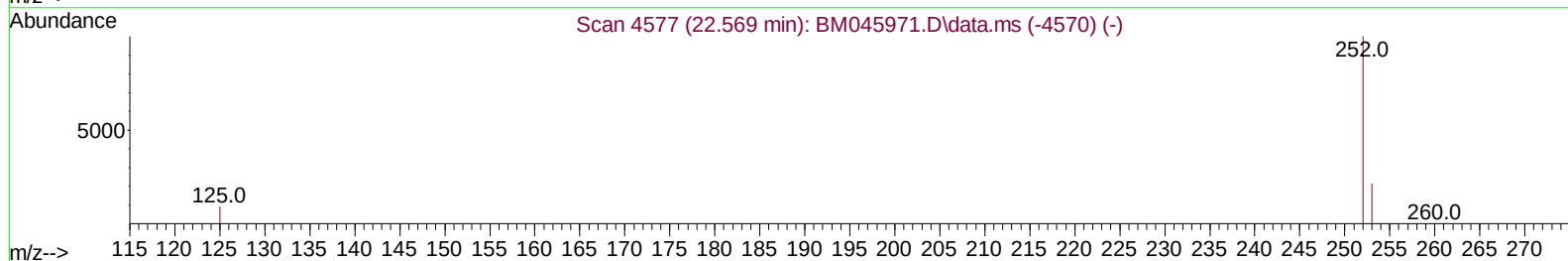
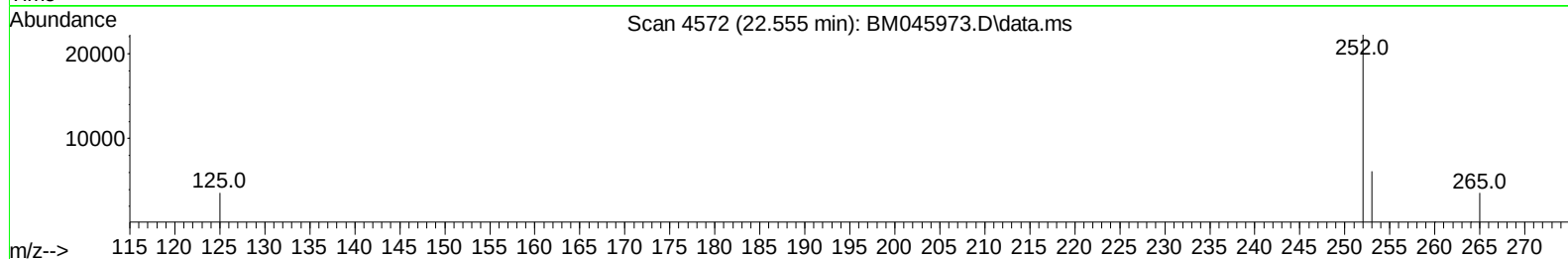
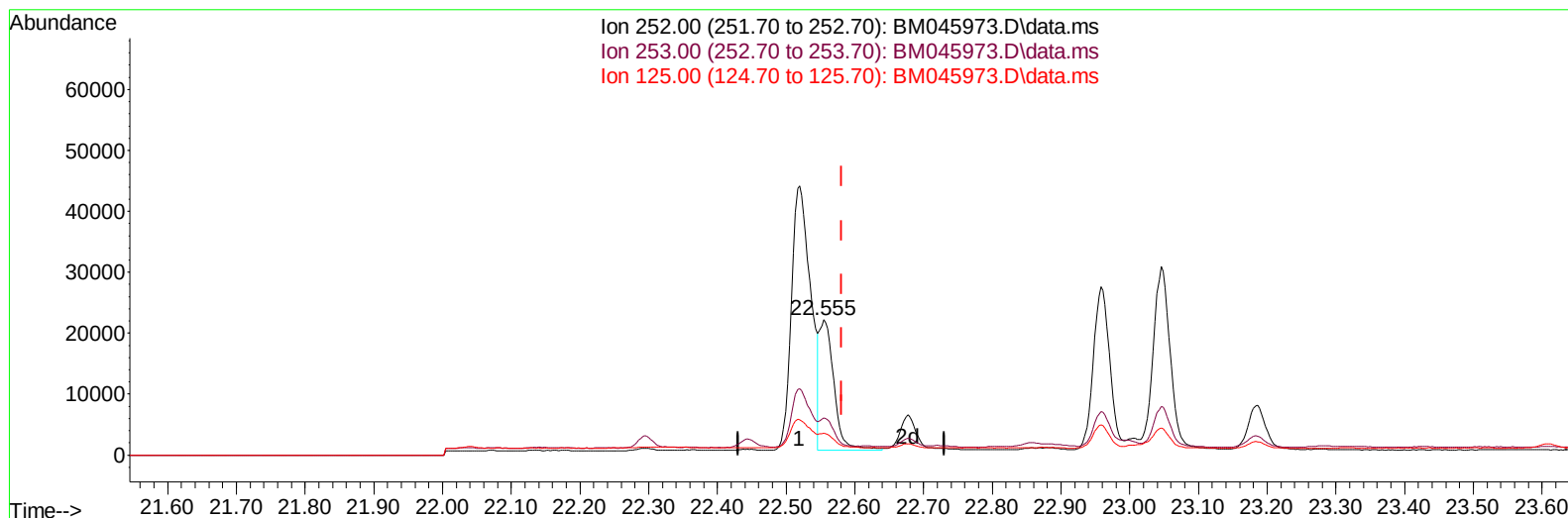
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045973.D
Acq On : 11 Jun 2024 10:33
Operator : MA/JU
Sample : P2640-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH5

Manual IntegrationsAPPROVED

Quant Time: Jun 11 11:10:34 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 : Mon Jun 10 22:47:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045973.D\data.ms

(25) Benzo(k)fluoranthene

22.555min (-0.026) 0.77 ng/u l m

response 31079

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	27.54
125.00	17.70	16.22
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	7.455	152		3879	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.226	136		12315	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.103	164		6385	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.840	188		13209m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.038	240		10596m	0.400	ng/ul	-0.01
23) Perylene-d12	23.139	264		11142m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.050	96		17687	4.003	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.843	152		3658	0.207	ng/ul	0.00
18) Fluoranthene-d10	18.875	212		7744	0.244	ng/ul	-0.02
Target Compounds							Qvalue
5) Naphthalene	10.270	128		1826	0.057	ng/ul#	85
7) 2-Methylnaphthalene	11.920	142		583	0.028	ng/ul	99
10) Acenaphthylene	13.816	152		4579	0.158	ng/ul	95
11) Acenaphthene	14.163	153		1126	0.053	ng/ul	95
12) Fluorene	15.153	166		1598	0.067	ng/ul#	97
15) Phenanthrene	16.882	178		39567m	1.067	ng/ul	
16) Anthracene	16.975	178		8206m	0.259	ng/ul	
19) Fluoranthene	18.903	202		111193	2.632	ng/ul	98
20) Pyrene	19.266	202		94248	2.138	ng/ul	97
21) Benzo(a)anthracene	21.021	228		44419	1.142	ng/ul	97
22) Chrysene	21.073	228		58395	1.379	ng/ul	99
24) Benzo(b)fluoranthene	22.519	252		85416m	2.311	ng/ul	
25) Benzo(k)fluoranthene	22.555	252		31079m	0.765	ng/ul	
26) Benzo(a)pyrene	23.046	252		51493	1.401	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.196	276		46467	0.978	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.202	278		9935	0.262	ng/ul	91
29) Benzo(g,h,i)perylene	25.823	276		47563	1.160	ng/ul	96

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

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