

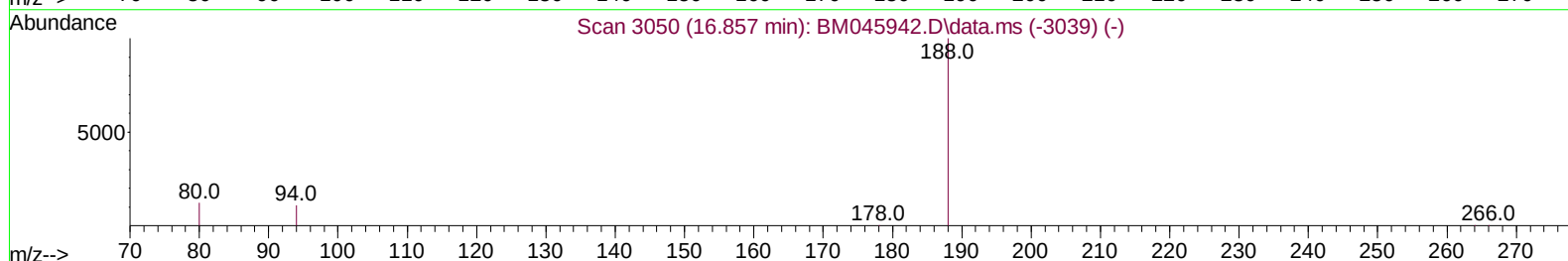
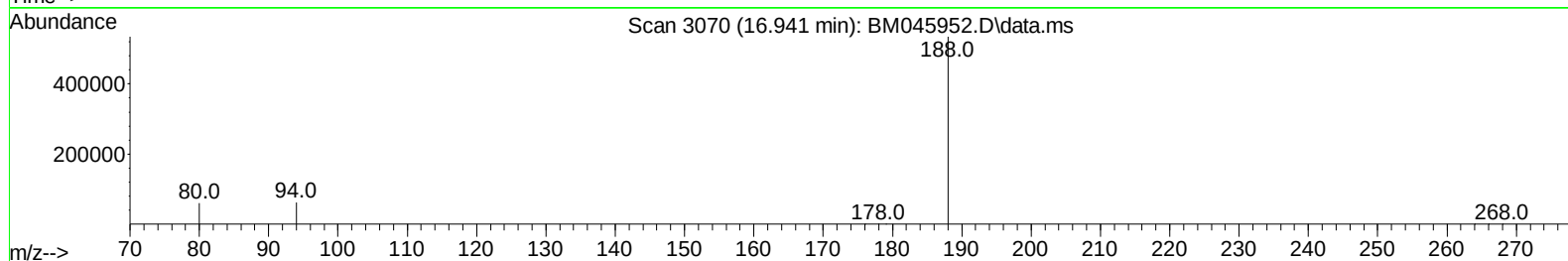
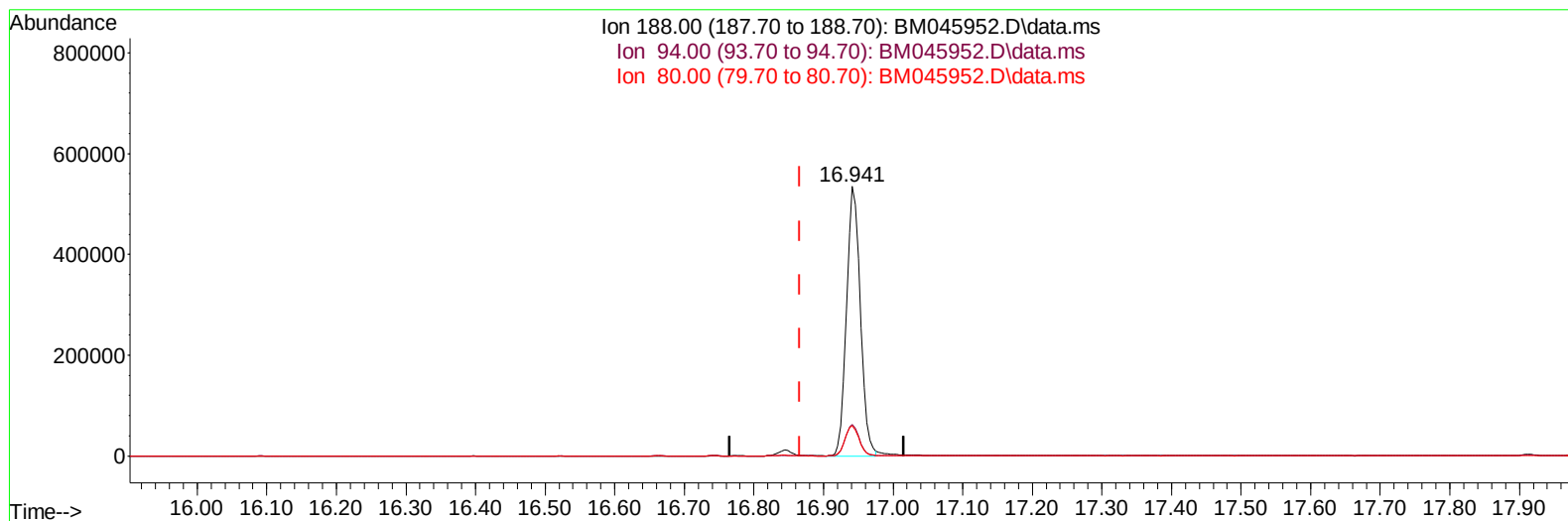
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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: BM045952.D\data.ms

(13) Phenanthrene-d10 (I)

16.941min (+ 0.076) 0.40 ng/u1

response 735280

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.69
80.00	11.70	11.12
0.00	0.00	0.00

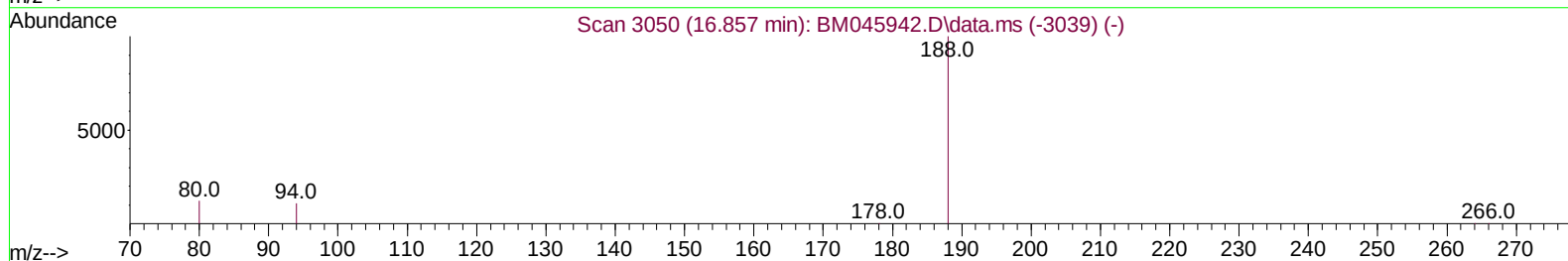
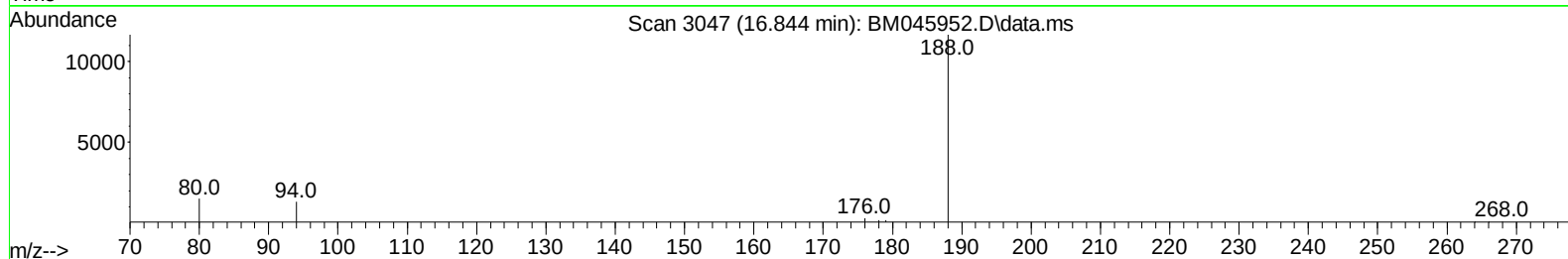
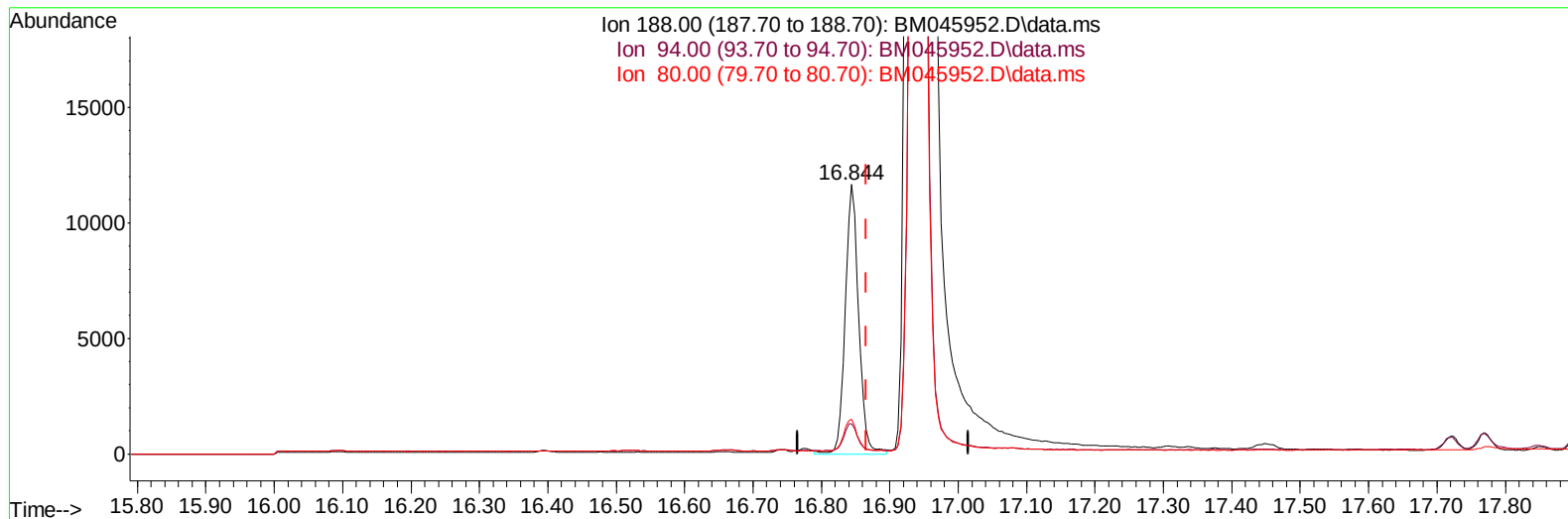
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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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Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045952.D\data.ms

(13) Phenanthrene-d10 (I)

16.844min (-0.021) 0.40 ng/ul m

response 15948

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.15
80.00	11.70	12.78
0.00	0.00	0.00

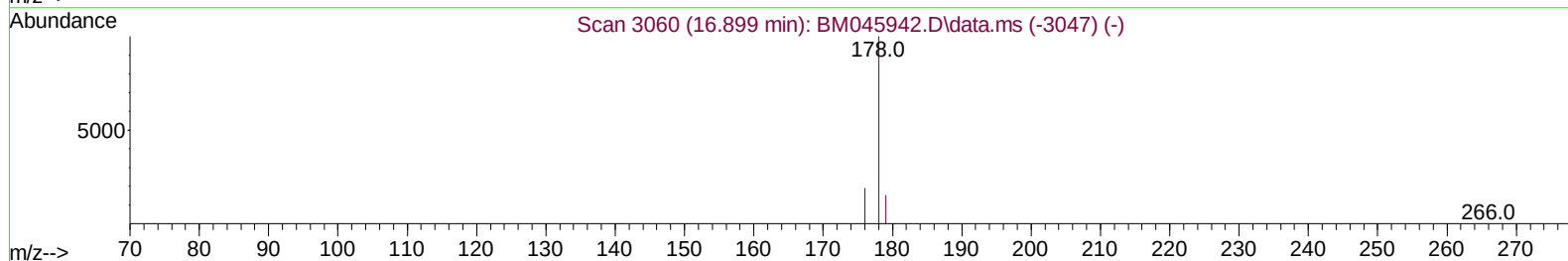
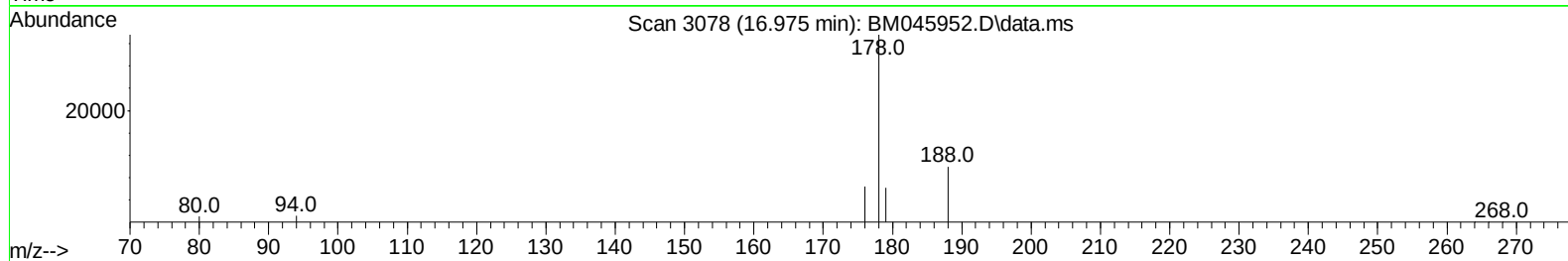
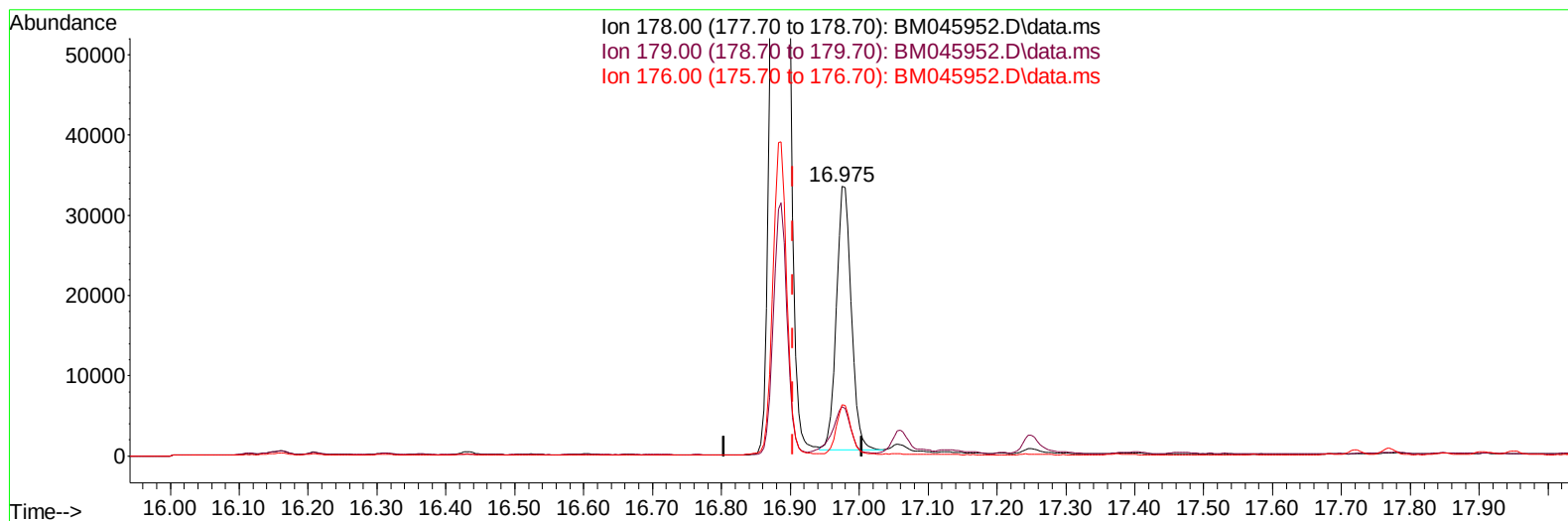
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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: BM045952.D\data.ms

(15) Phenanthrene

16.975min (+ 0.072) 1.11 ng/u1

response 49501

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	18.40
176.00	19.50	19.07
0.00	0.00	0.00

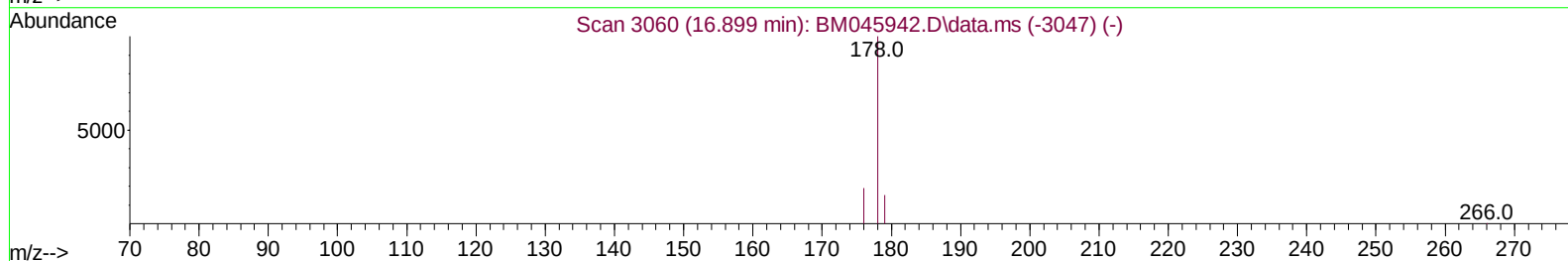
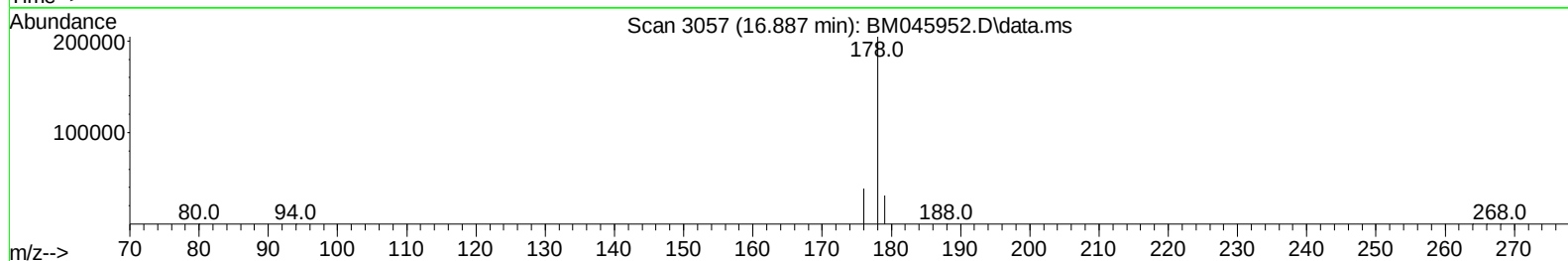
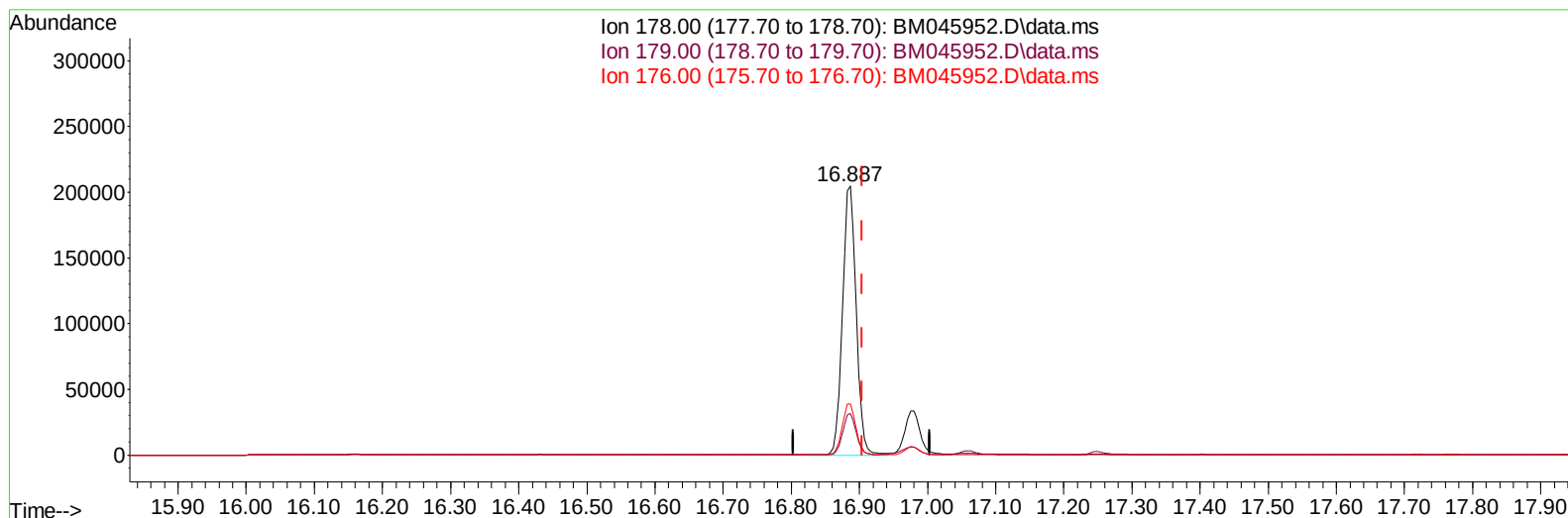
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045952.D
 Acq On : 10 Jun 2024 15:56
 Operator : MA/JU
 Sample : P2642-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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: BM045952.D\data.ms

(15) Phenanthrene

16.887min (-0.017) 6.41 ng/ul m

response 287160

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.41
176.00	19.50	19.12
0.00	0.00	0.00

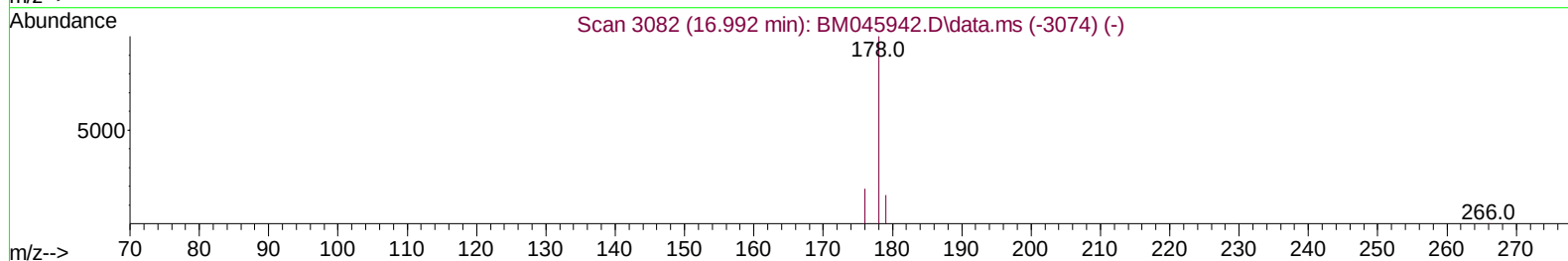
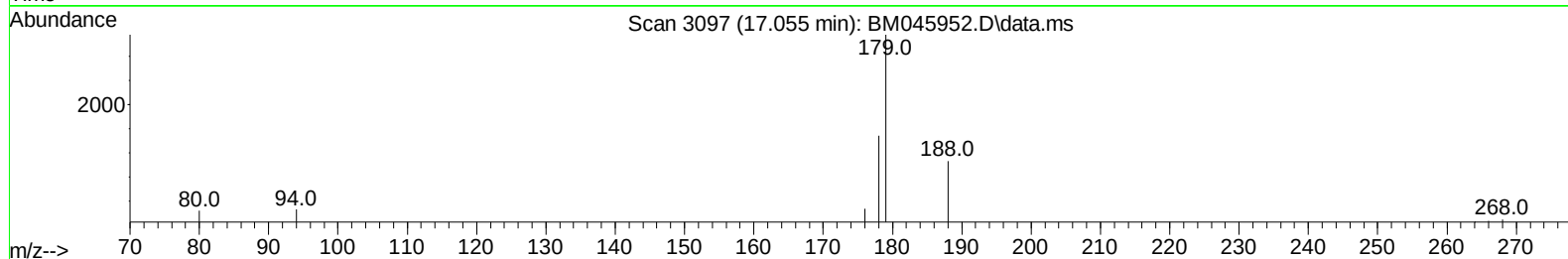
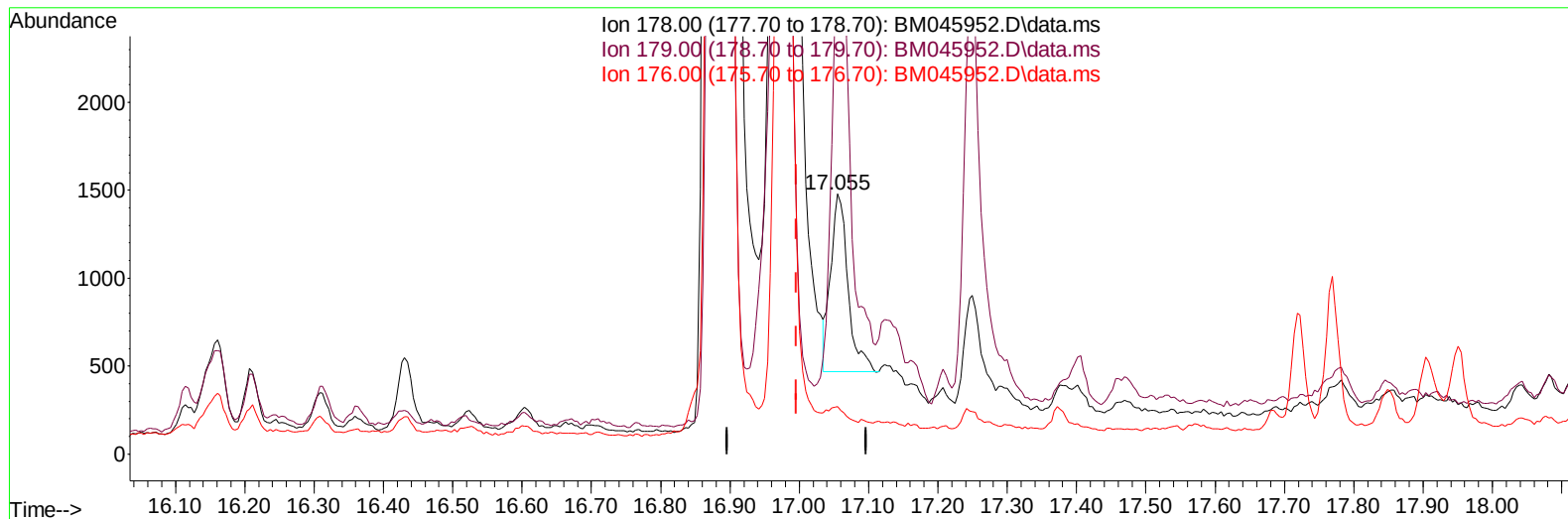
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045952.D\data.ms

(16) Anthracene

17.055min (+ 0.059) 0.05 ng/u1

response 1744

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	213.18#
176.00	19.40	18.12
0.00	0.00	0.00

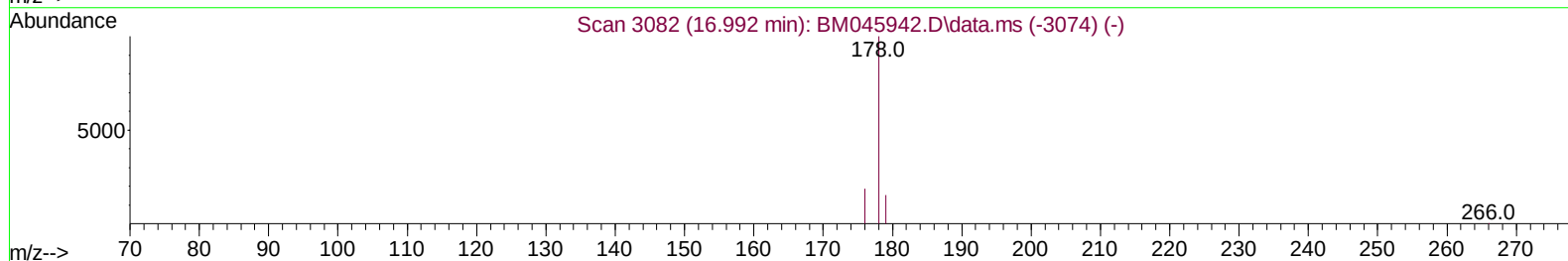
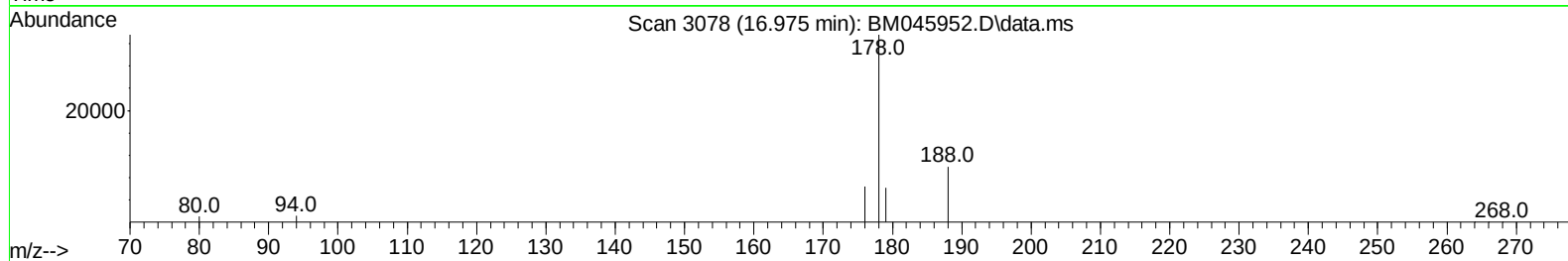
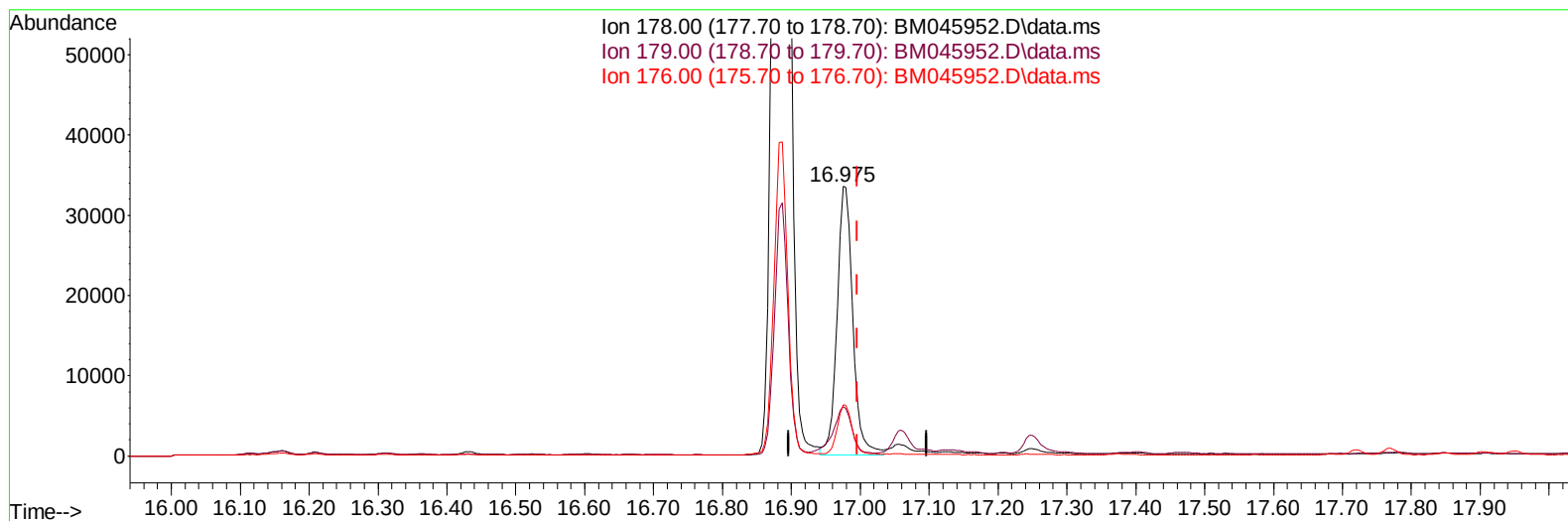
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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: BM045952.D\data.ms

(16) Anthracene

16.975min (-0.021) 1.39 ng/ul m

response 53235

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	18.40
176.00	19.40	19.07
0.00	0.00	0.00

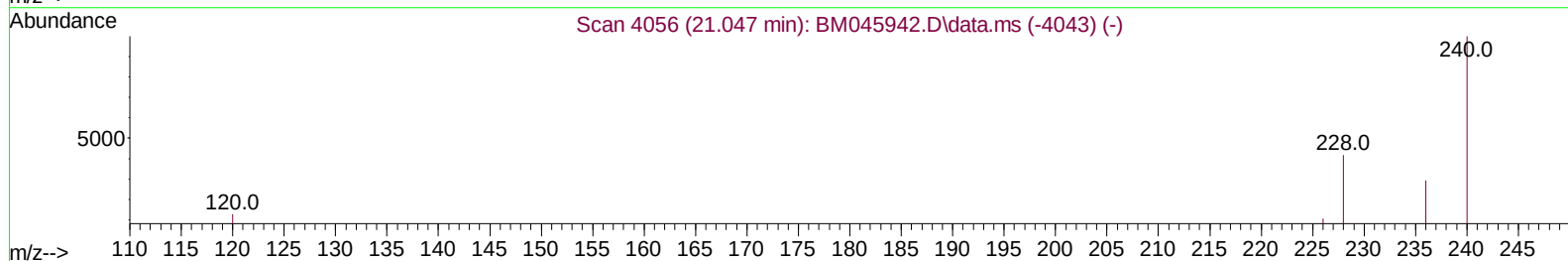
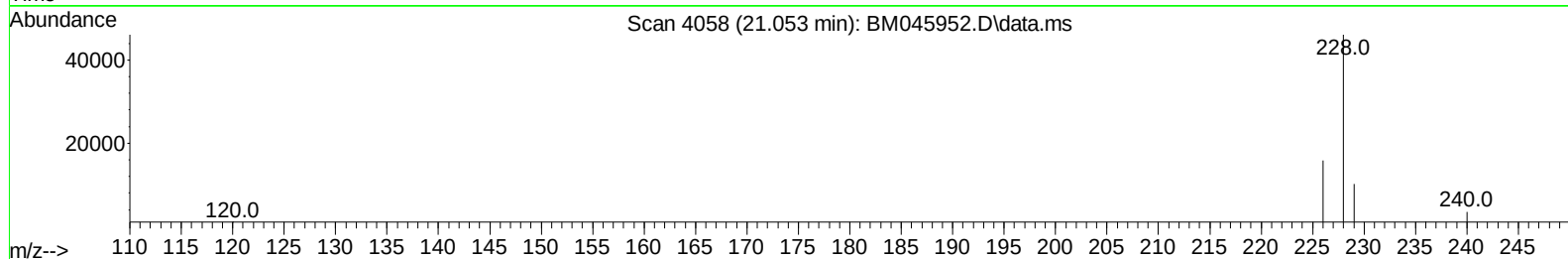
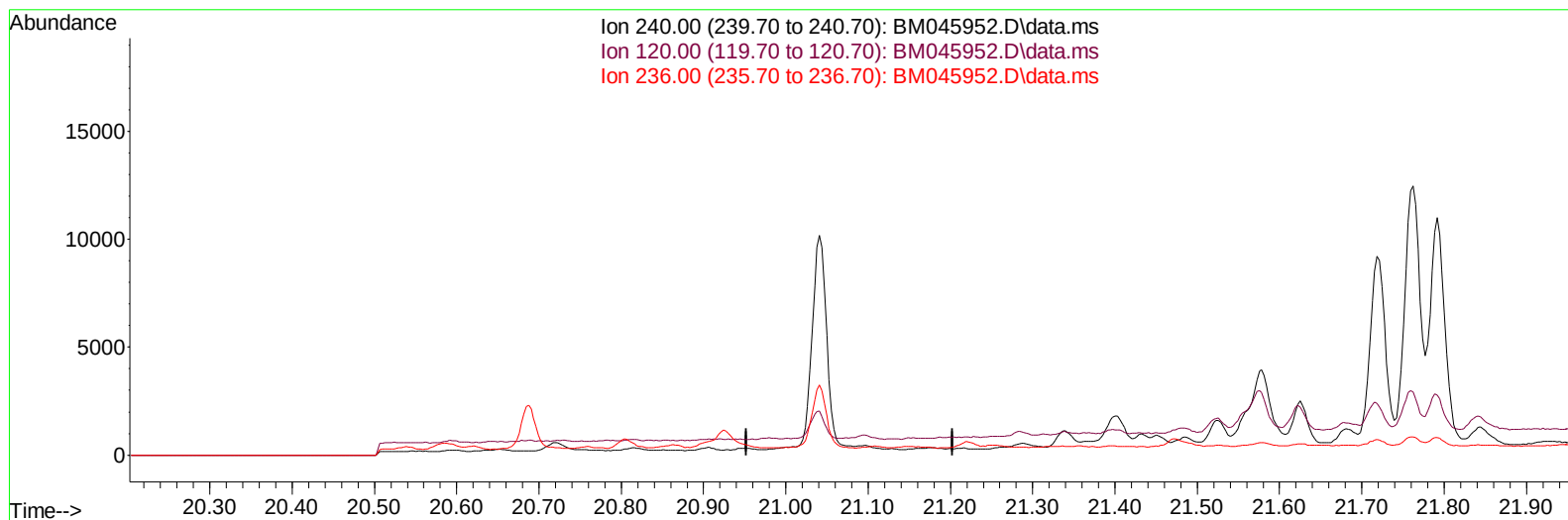
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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: BM045952.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

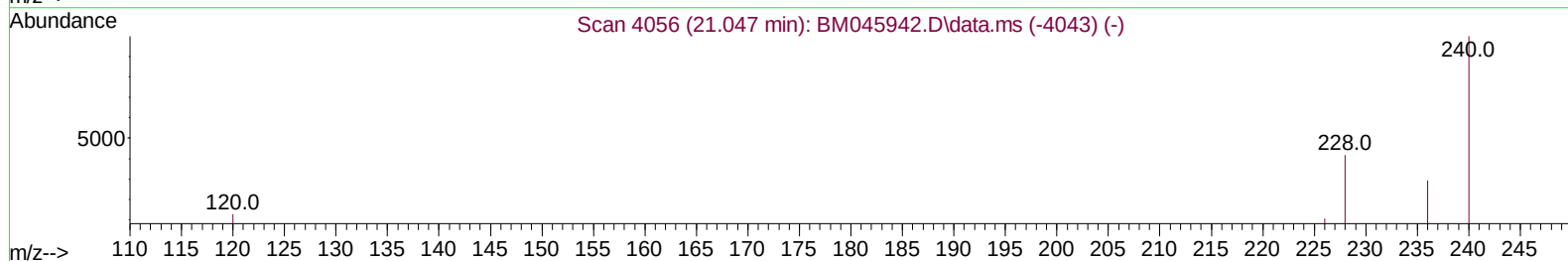
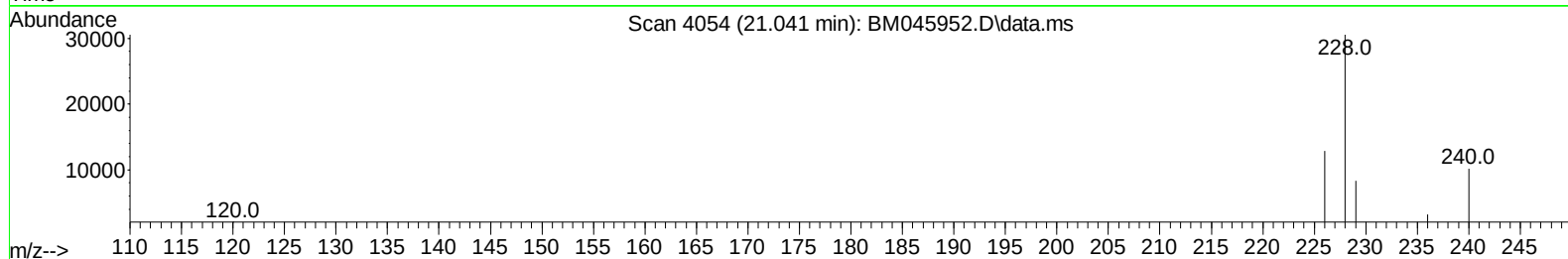
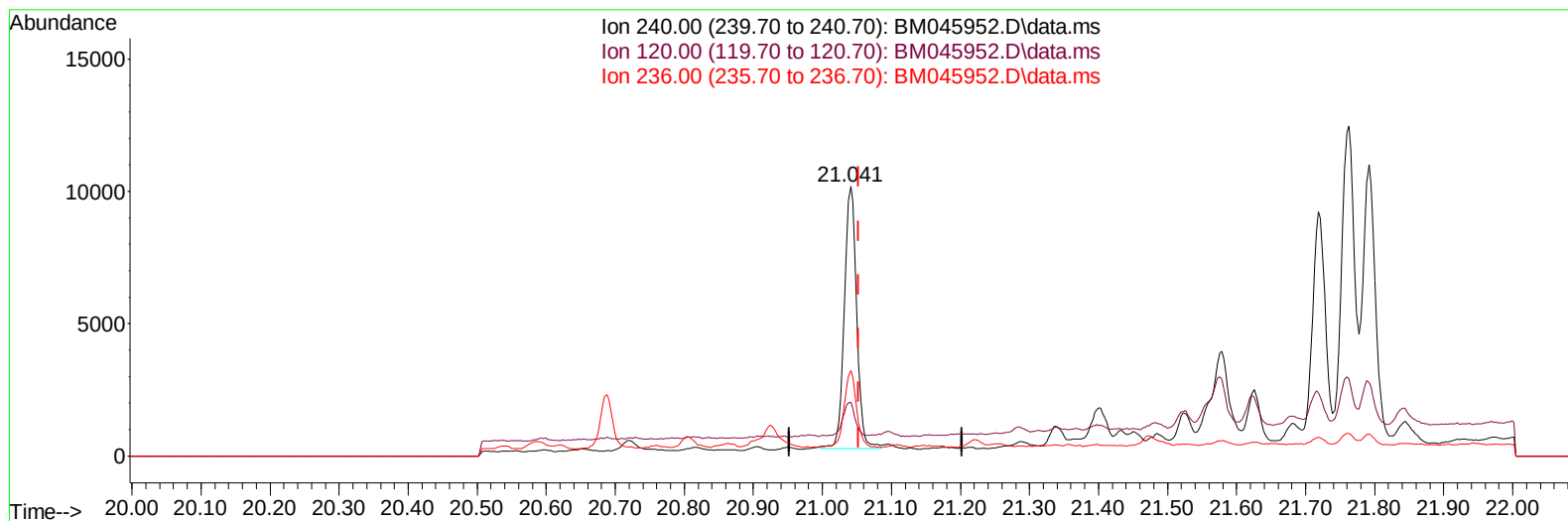
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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: BM045952.D\data.ms

(17) Chrysene-d12

21.041min (-0.012) 0.40 ng/ul m

response 12228

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	19.99#
236.00	29.50	31.83
0.00	0.00	0.00

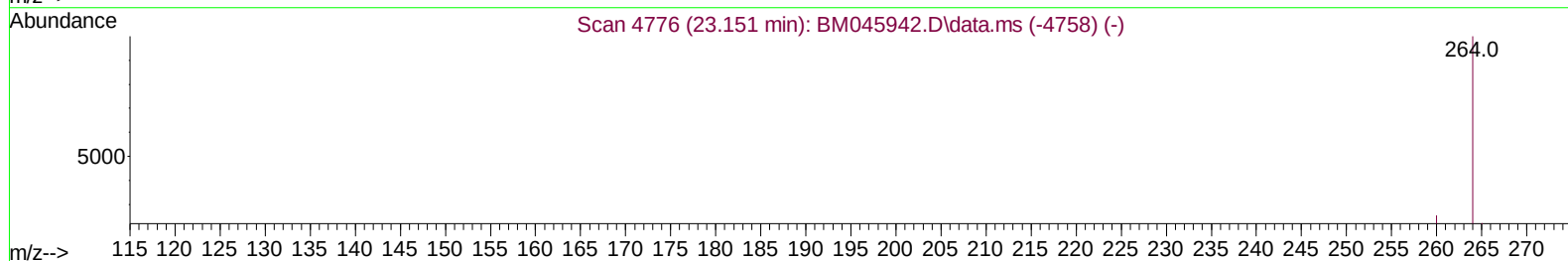
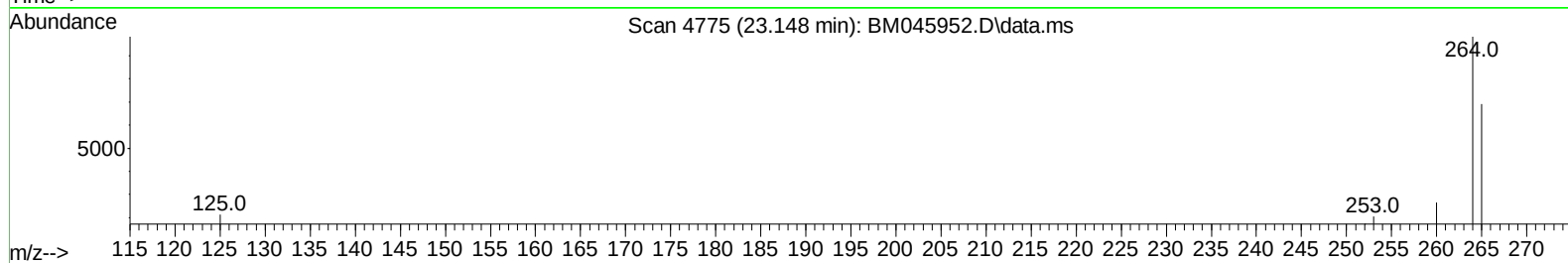
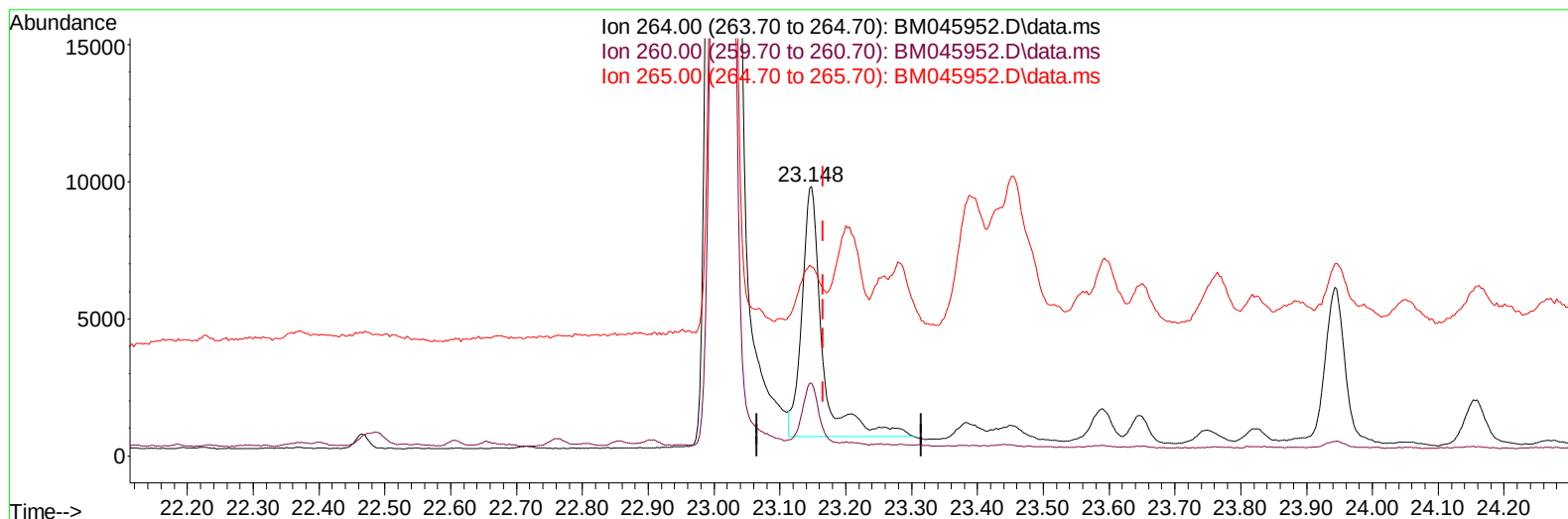
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 2024
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TIC: BM045952.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/u1

response 19858

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.97
265.00	76.60	70.25
0.00	0.00	0.00

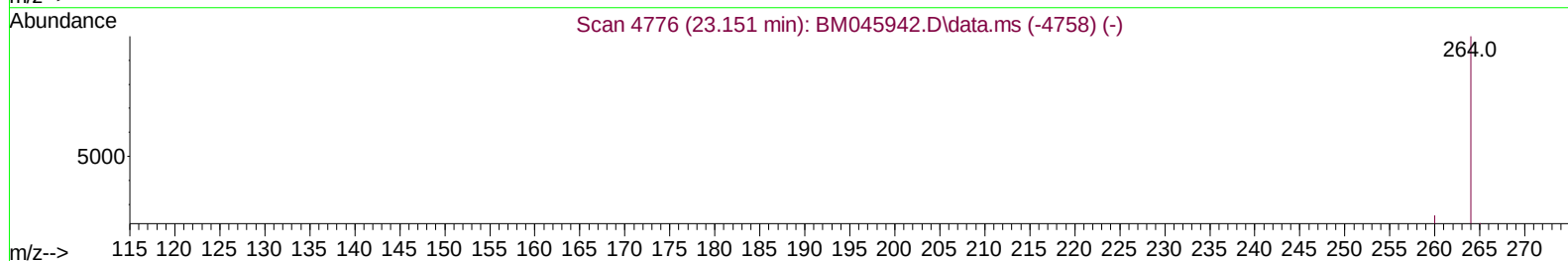
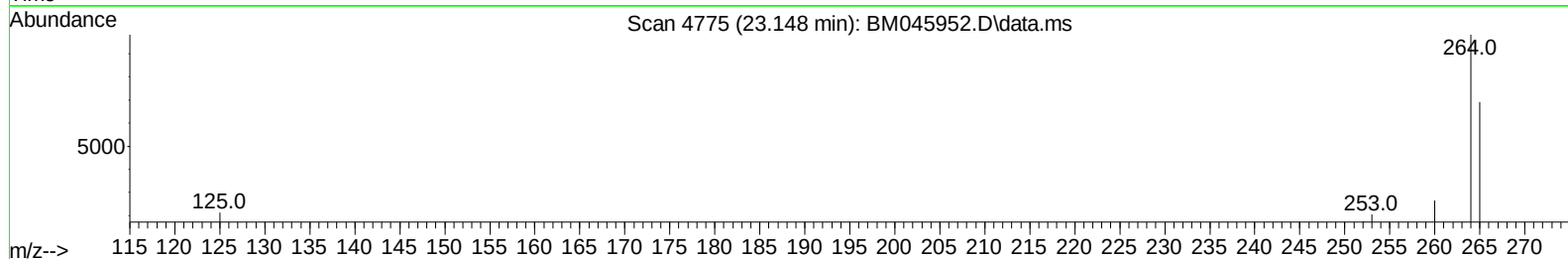
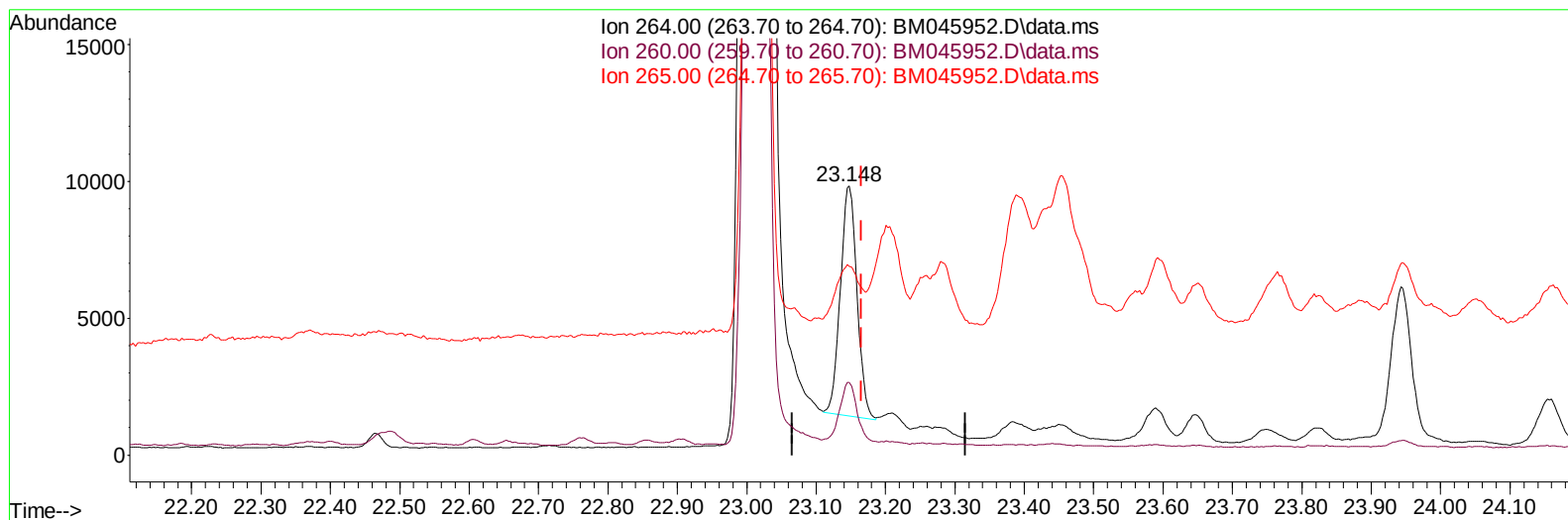
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045952.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/ul m

response 13953

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.97
265.00	76.60	70.25
0.00	0.00	0.00

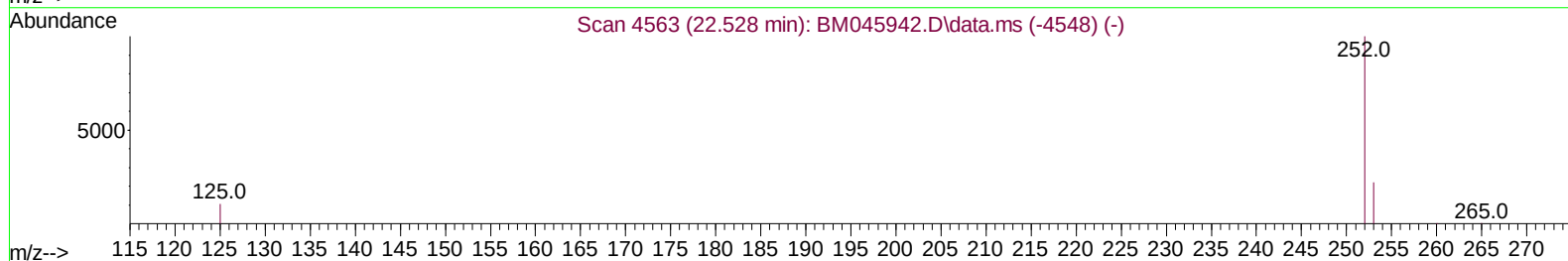
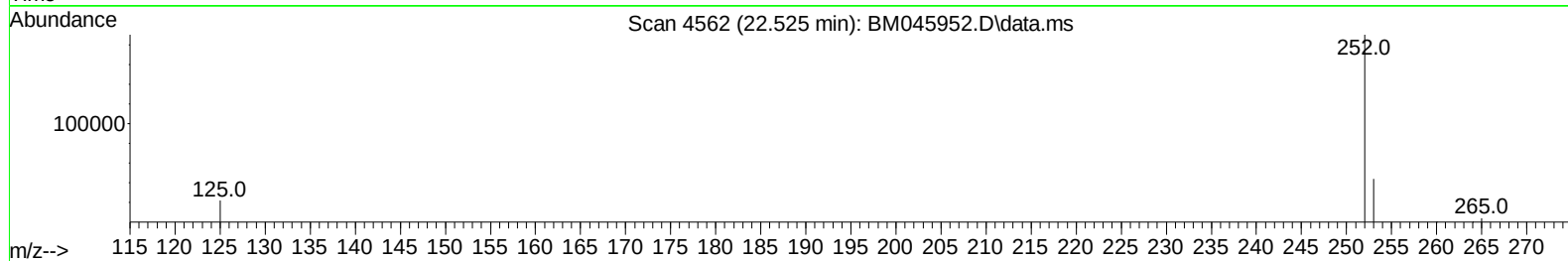
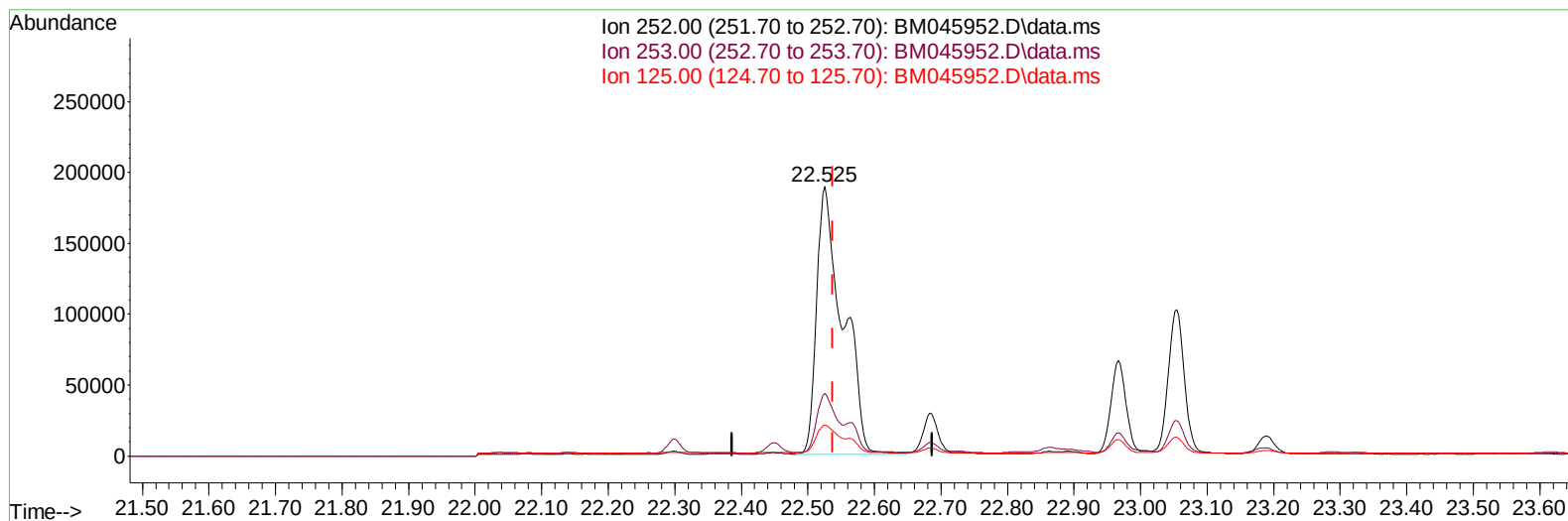
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

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TIC: BM045952.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 11.04 ng/u1

response 510920

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.31
125.00	17.90	11.56
0.00	0.00	0.00

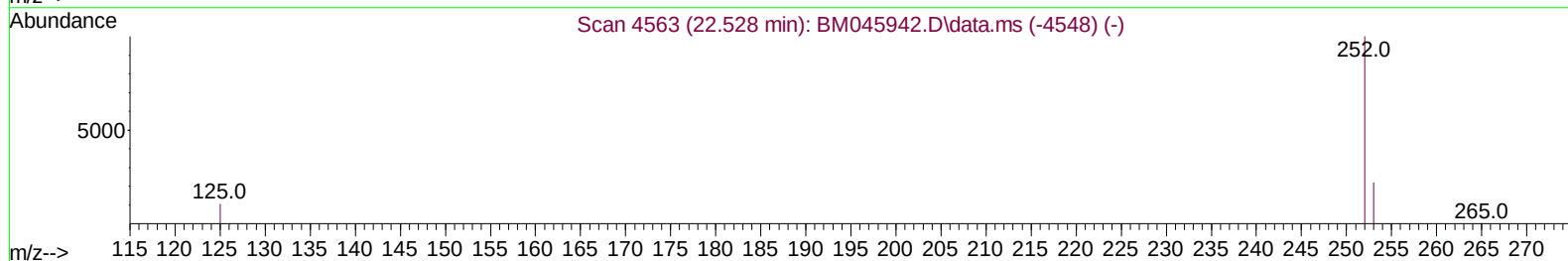
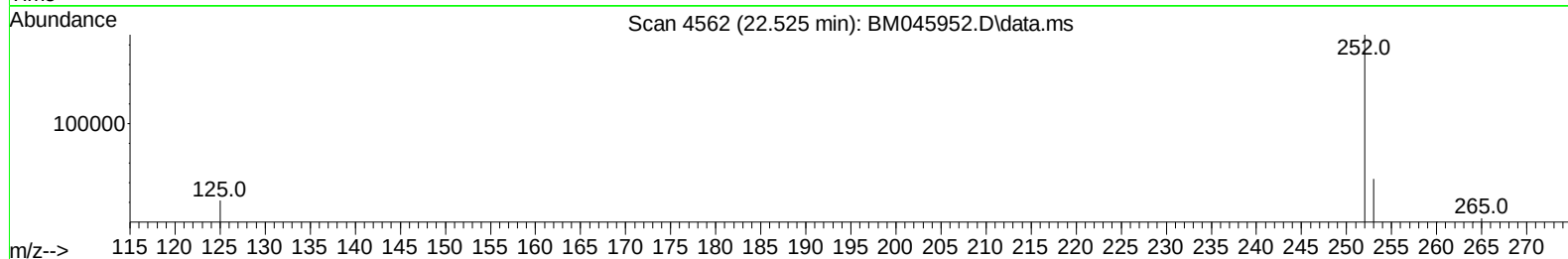
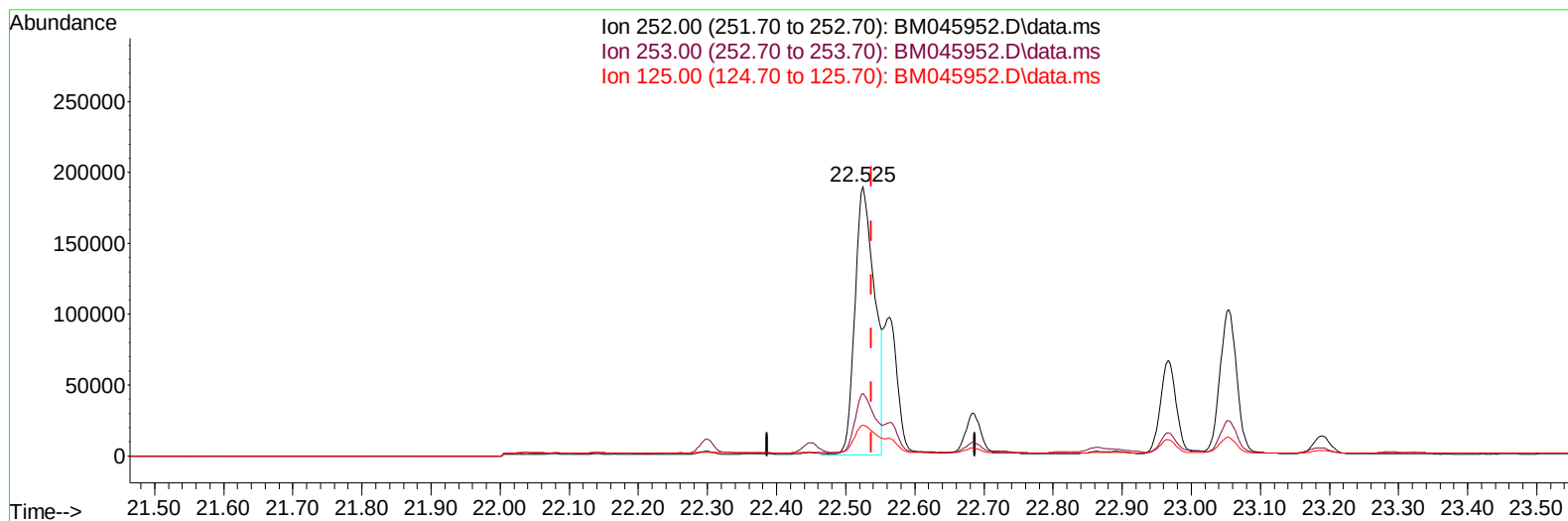
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045952.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 8.13 ng/u1 m

response 376378

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.31
125.00	17.90	11.56
0.00	0.00	0.00

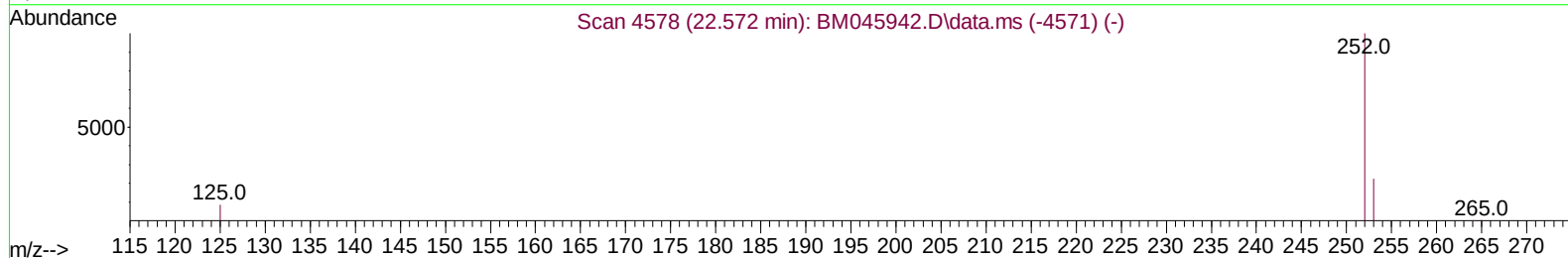
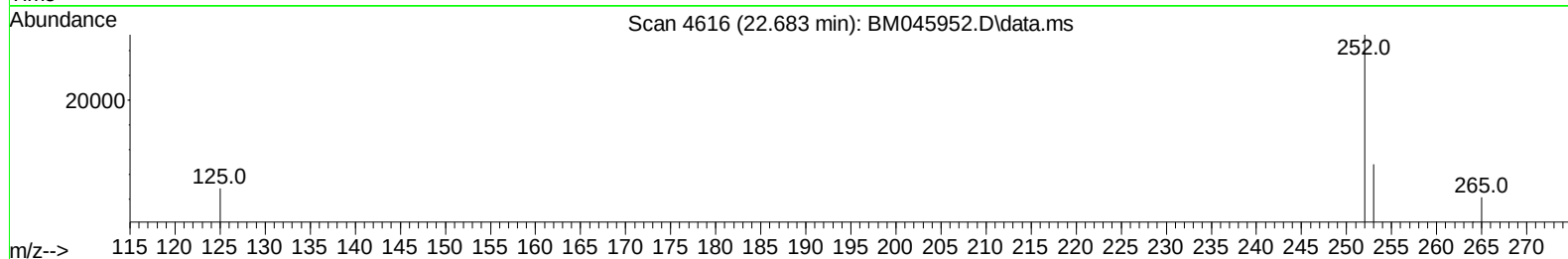
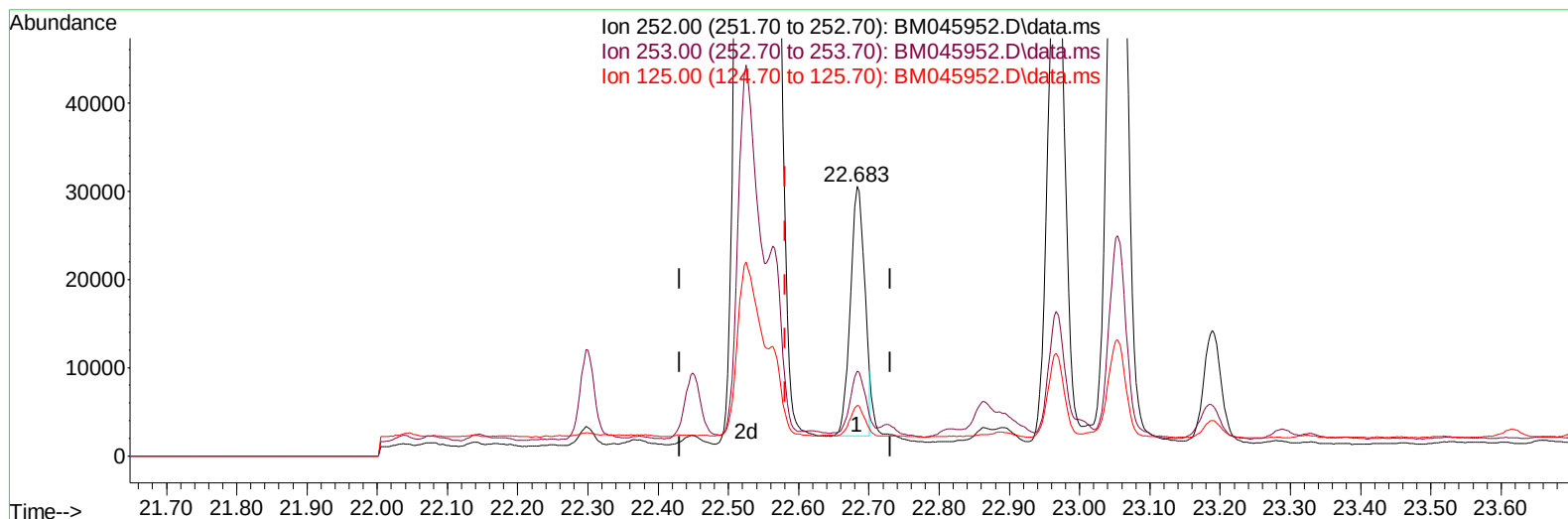
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045952.D
Acq On : 10 Jun 2024 15:56
Operator : MA/JU
Sample : P2642-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH7

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045952.D\data.ms

(25) Benzo(k)fluoranthene

22.683min (+ 0.102) 0.79 ng/u1

response 40162

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	31.40
125.00	17.70	18.66
0.00	0.00	0.00

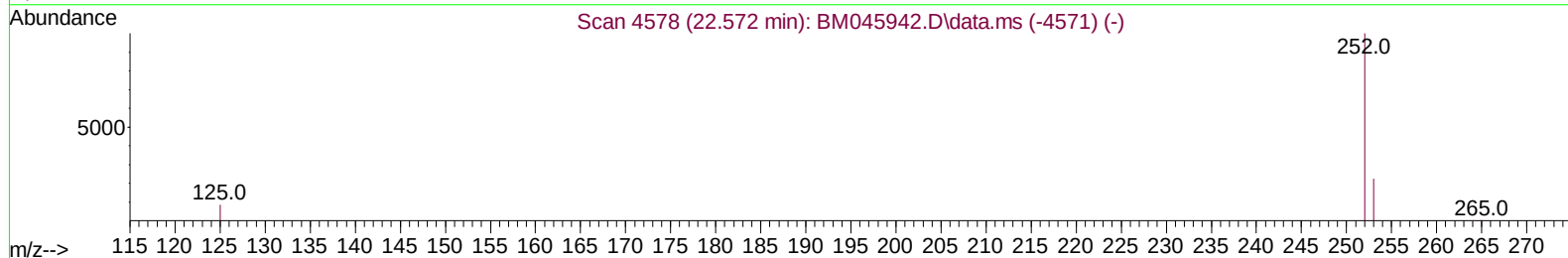
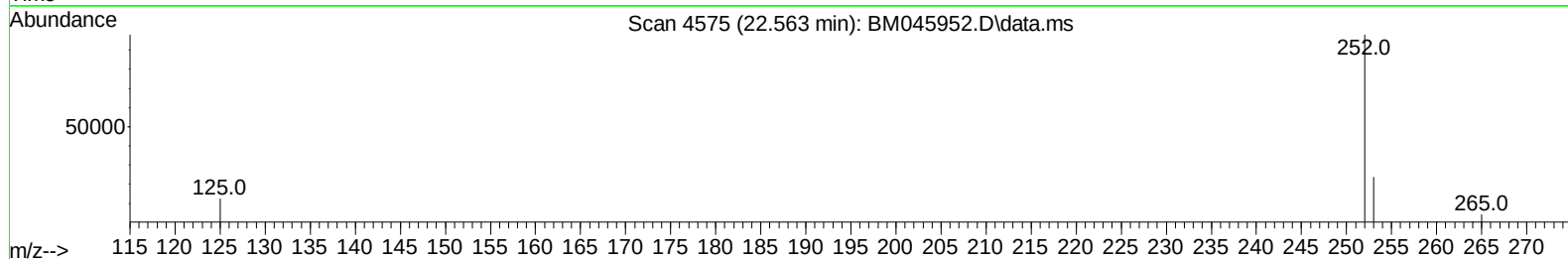
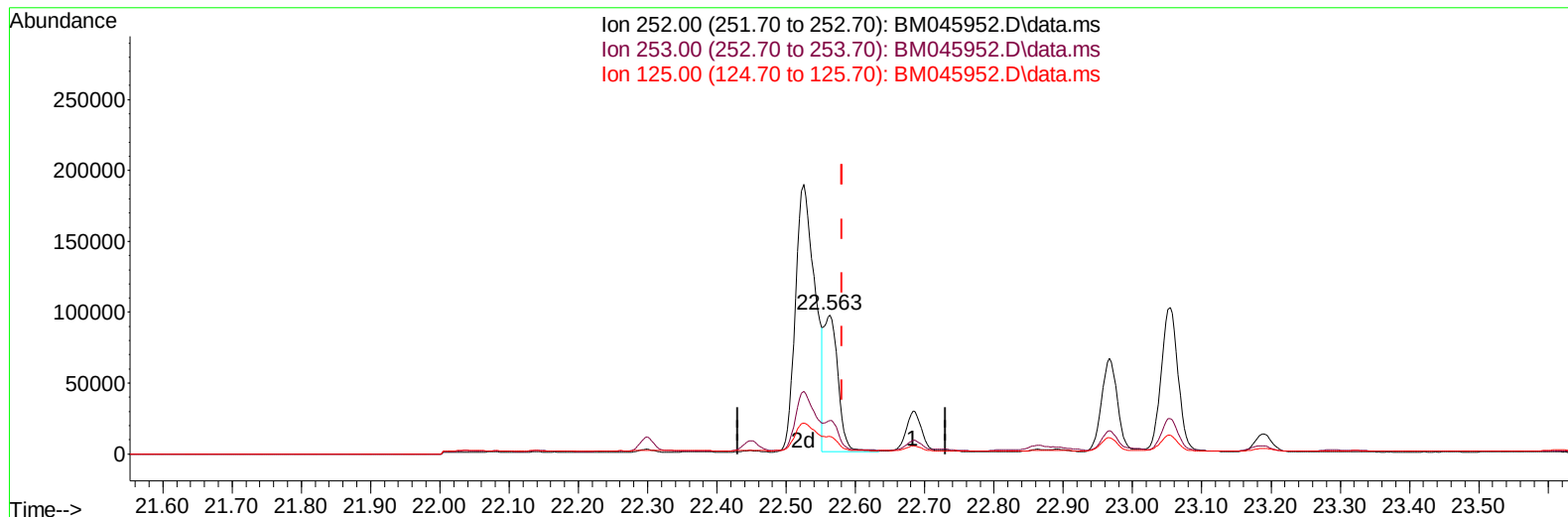
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045952.D
 Acq On : 10 Jun 2024 15:56
 Operator : MA/JU
 Sample : P2642-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH7

Manual IntegrationsAPPROVED

Quant Time: Jun 10 16:49:47 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: BM045952.D\data.ms

(25) Benzo(k)fluoranthene

22.563min (-0.018) 2.69 ng/u l m

response 137014

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.28#
125.00	17.70	12.67#
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	4798	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.231	136	15184	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.103	164	7616	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.844	188	15948m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240	12228m	0.400	ng/ul	-0.01
23) Perylene-d12	23.148	264	13953m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	19642	3.594	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.837	152	4686	0.215	ng/ul	-0.01
18) Fluoranthene-d10	18.875	212	9788	0.267	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.275	128	5869	0.148	ng/ul	95
7) 2-Methylnaphthalene	11.914	142	2124	0.084	ng/ul	98
8) 1-Methylnaphthalene	12.134	142	1936	0.070	ng/ul	98
10) Acenaphthylene	13.821	152	12865	0.371	ng/ul	99
11) Acenaphthene	14.168	153	10860	0.427	ng/ul	100
12) Fluorene	15.158	166	13031	0.458	ng/ul	98
15) Phenanthrene	16.887	178	287160m	6.413	ng/ul	
16) Anthracene	16.975	178	53235m	1.394	ng/ul	
19) Fluoranthene	18.908	202	594835	12.199	ng/ul	97
20) Pyrene	19.270	202	443284	8.715	ng/ul	96
21) Benzo(a)anthracene	21.023	228	251855	5.611	ng/ul	98
22) Chrysene	21.073	228	274015	5.608	ng/ul	99
24) Benzo(b)fluoranthene	22.525	252	376378m	8.133	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	137014m	2.694	ng/ul	
26) Benzo(a)pyrene	23.054	252	173626	3.773	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.206	276	158565	2.664	ng/ul	92
28) Dibenzo(a,h)anthracene	25.209	278	45639	0.959	ng/ul	99
29) Benzo(g,h,i)perylene	25.833	276	26001	0.507	ng/ul	96

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

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