

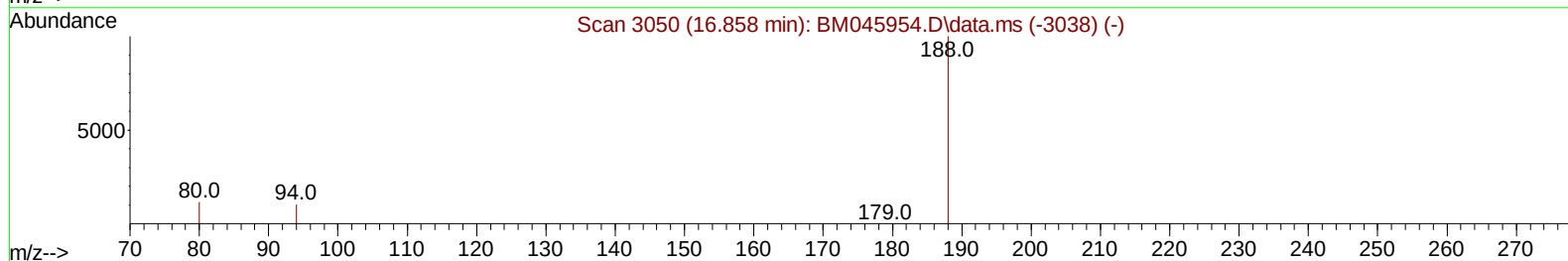
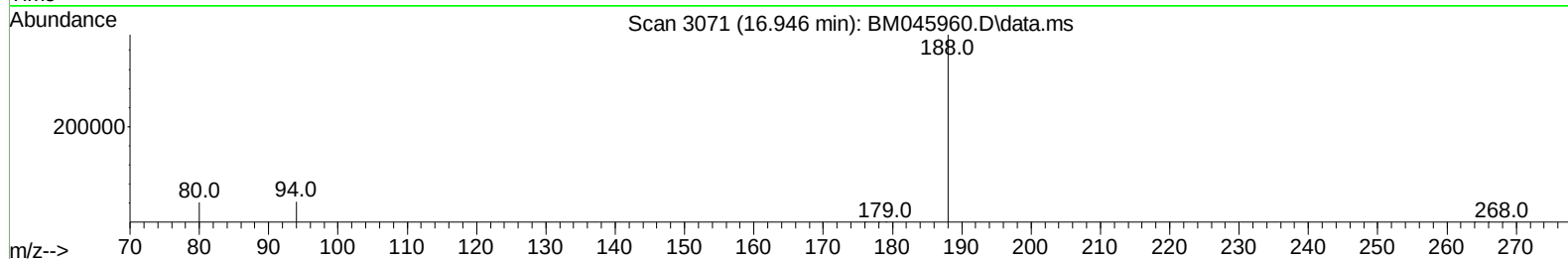
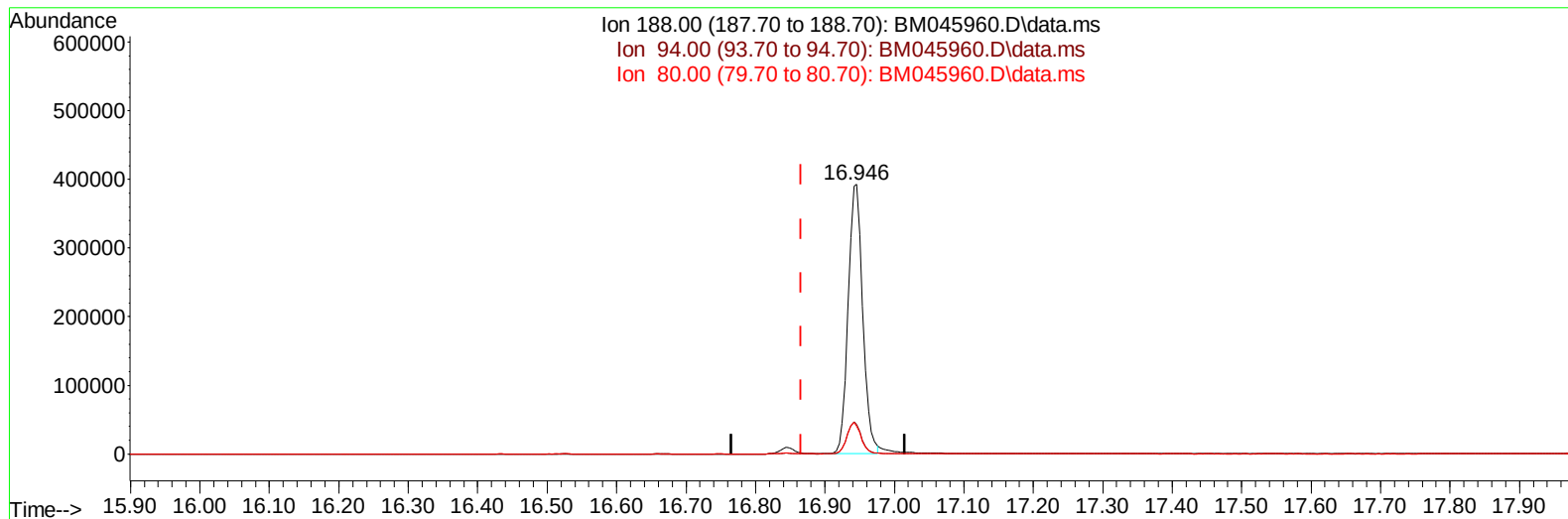
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(13) Phenanthrene-d10 (I)

16.946min (+ 0.080) 0.40 ng/u1

response 572478

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.94
80.00	11.70	10.38
0.00	0.00	0.00

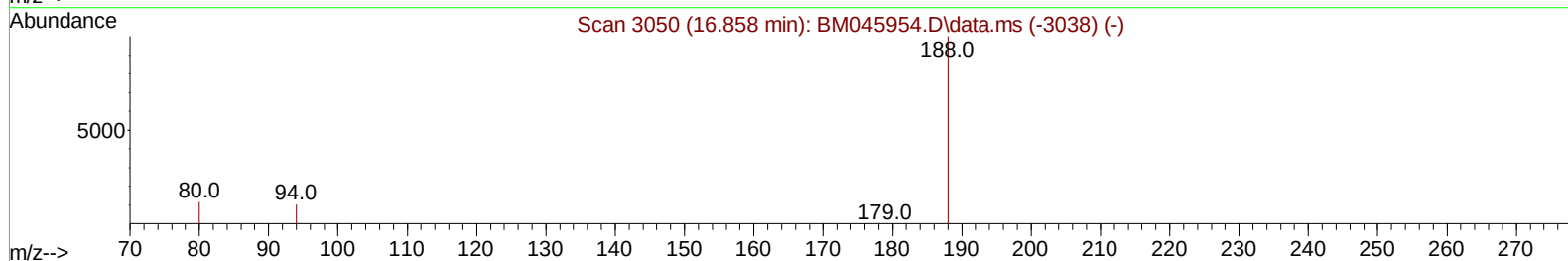
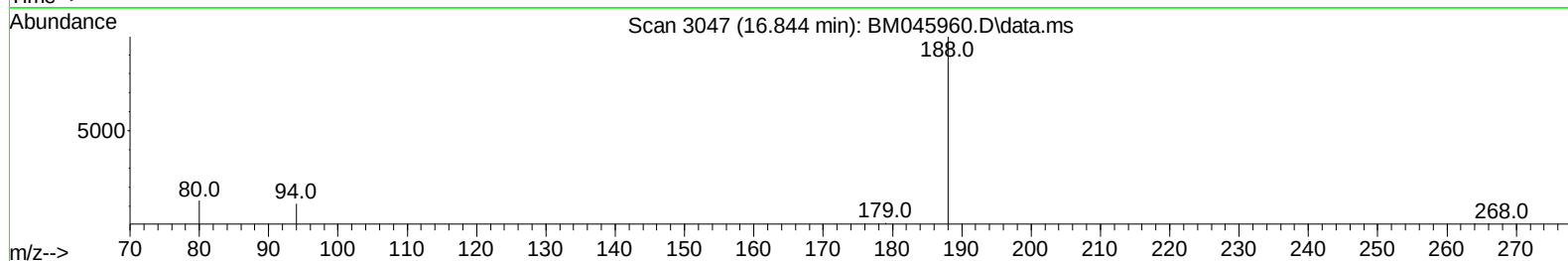
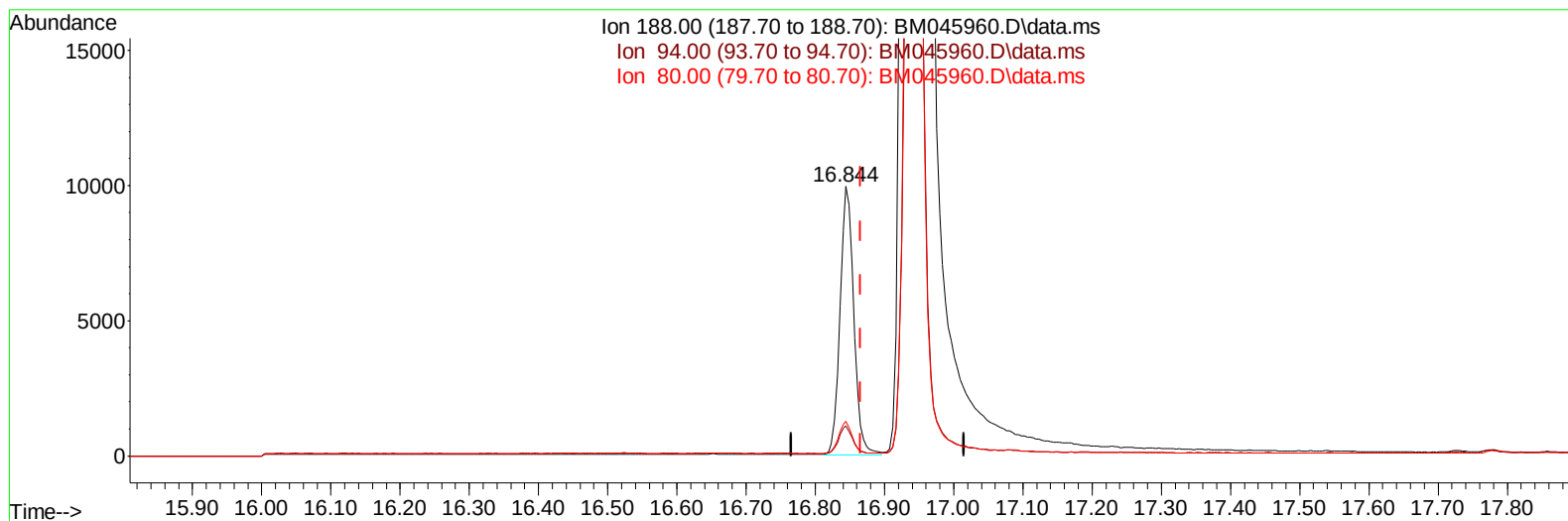
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(13) Phenanthrene-d10 (I)

16.844min (-0.021) 0.40 ng/ul m

response 13659

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.32
80.00	11.70	12.95
0.00	0.00	0.00

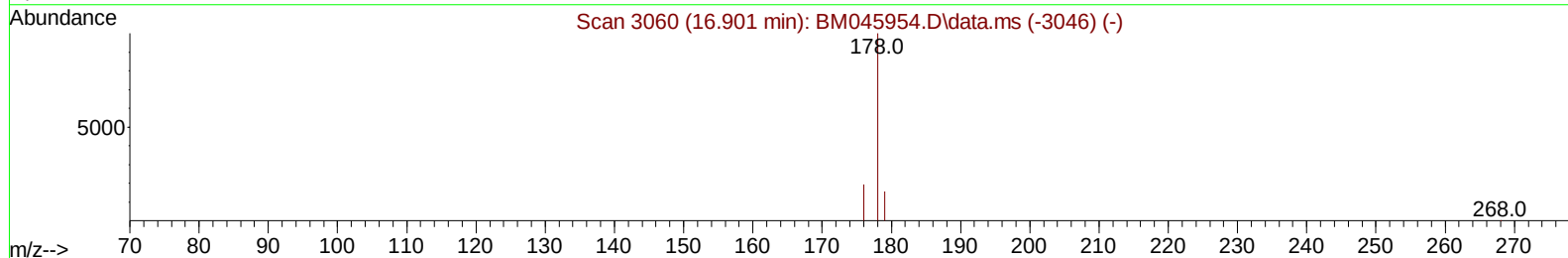
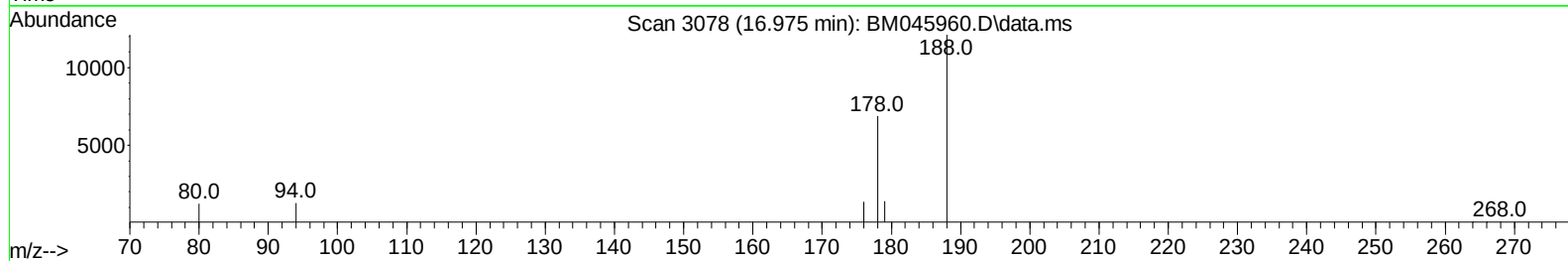
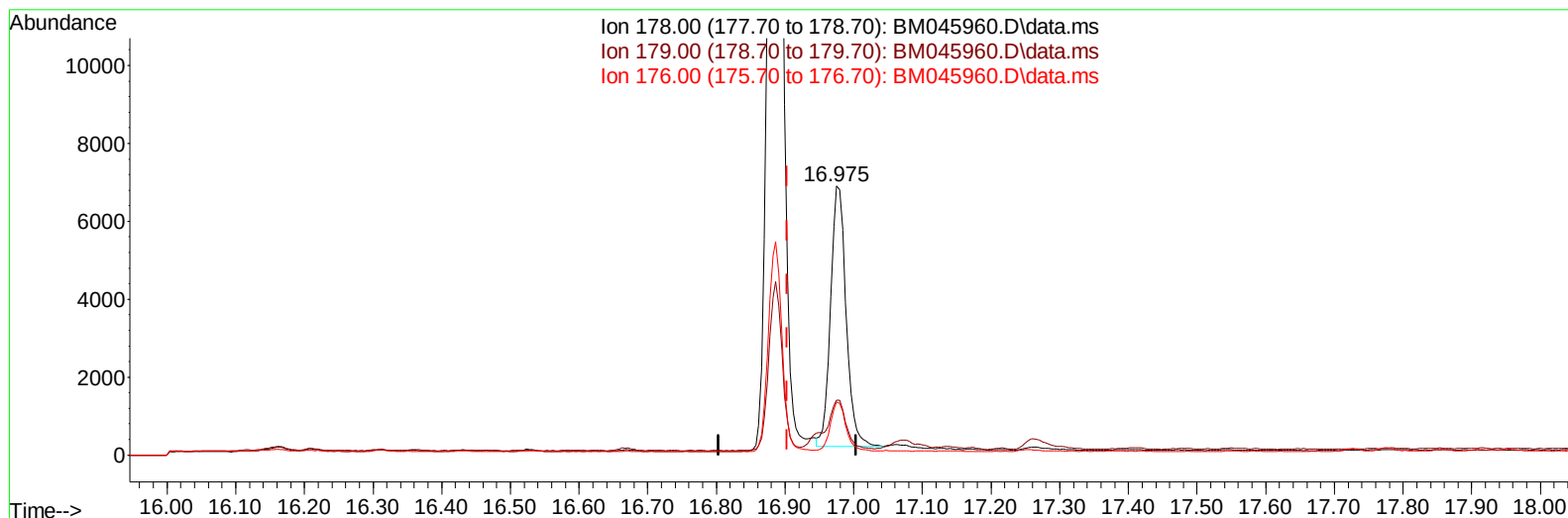
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(15) Phenanthrene

16.975min (+ 0.072) 0.27 ng/u1

response 10449

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	20.45#
176.00	19.50	19.61
0.00	0.00	0.00

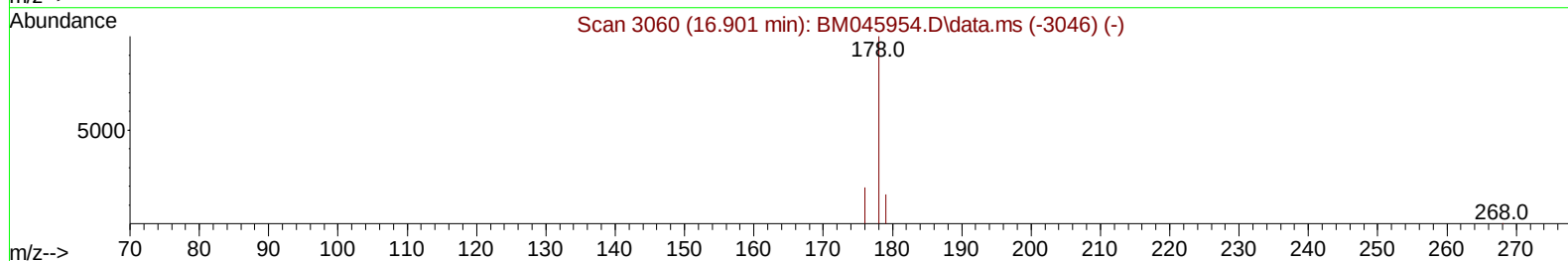
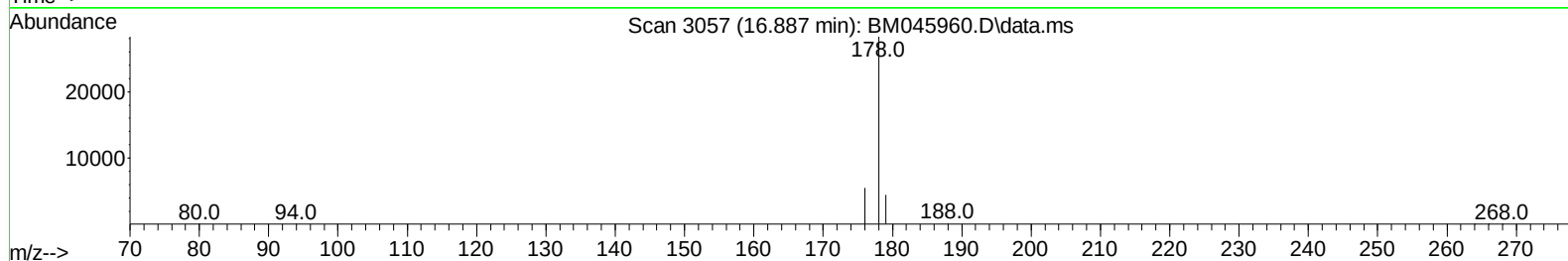
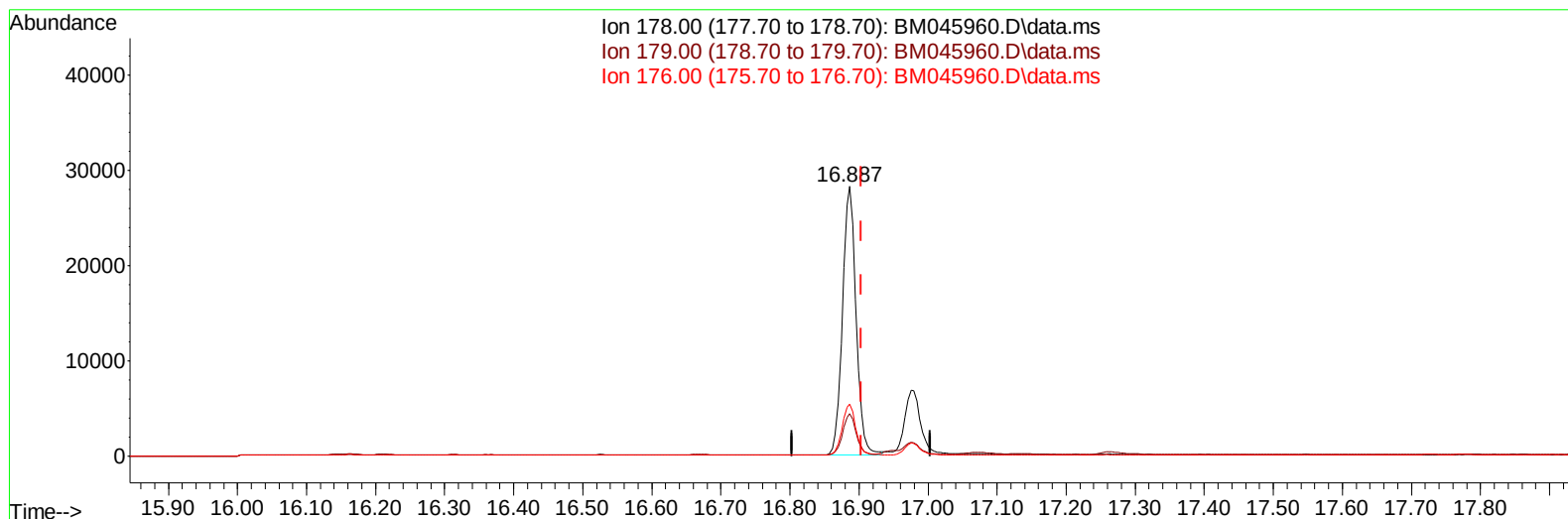
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(15) Phenanthrene

16.887min (-0.017) 1.01 ng/ul m

response 38877

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.74
176.00	19.50	19.34
0.00	0.00	0.00

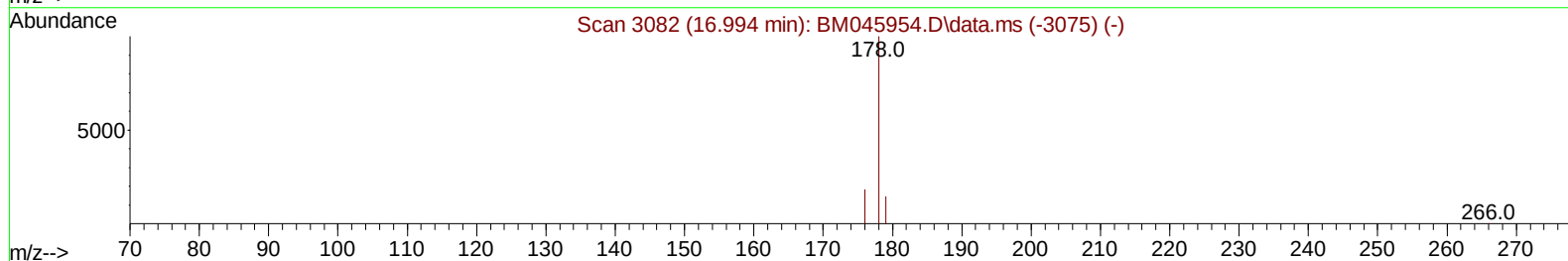
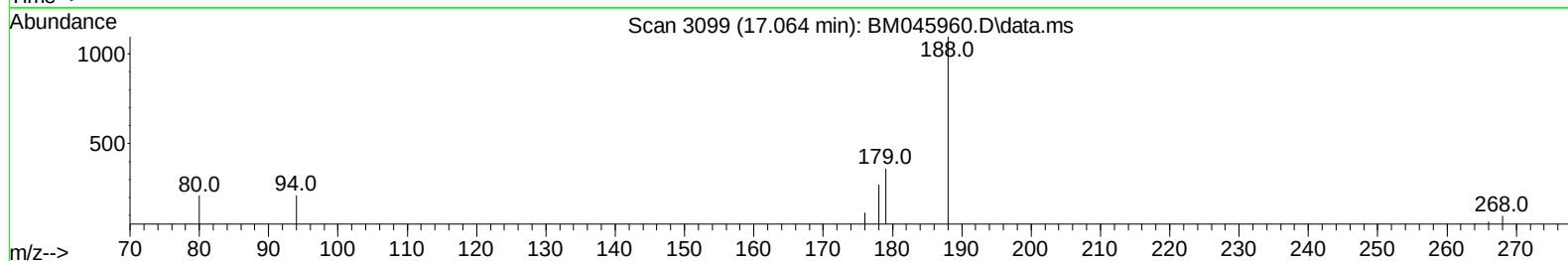
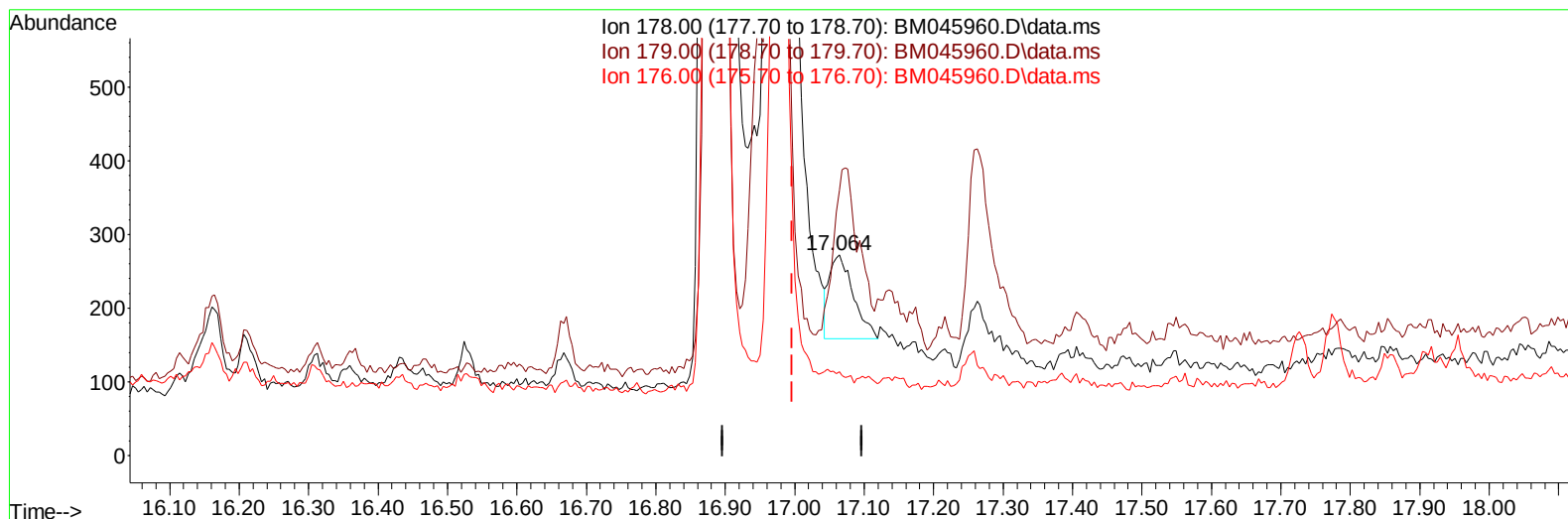
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(16) Anthracene

17.064min (+ 0.068) 0.01 ng/ul

response 271

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	132.35#
176.00	19.40	41.91#
0.00	0.00	0.00

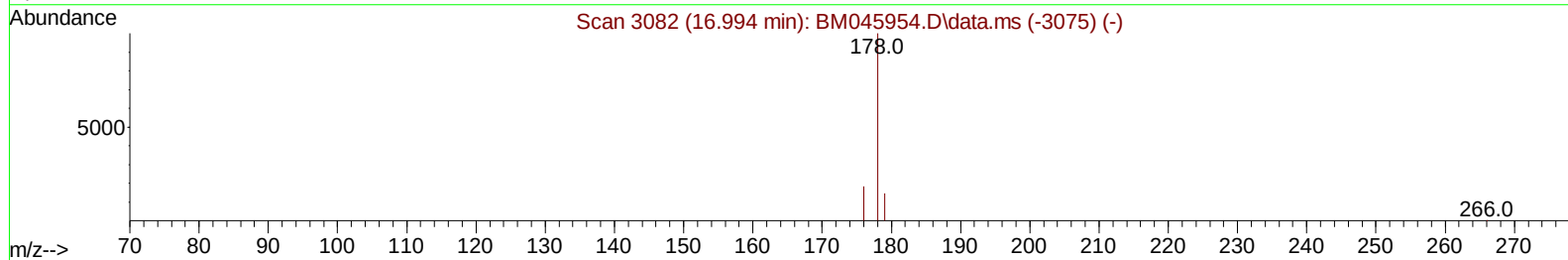
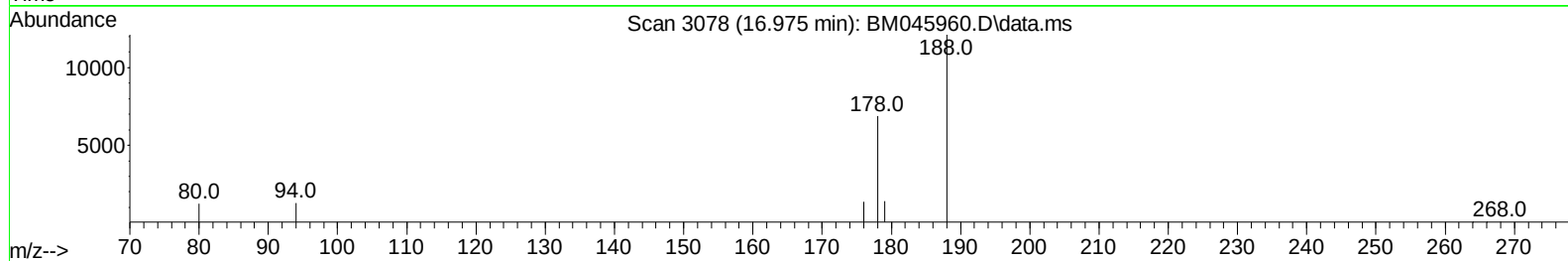
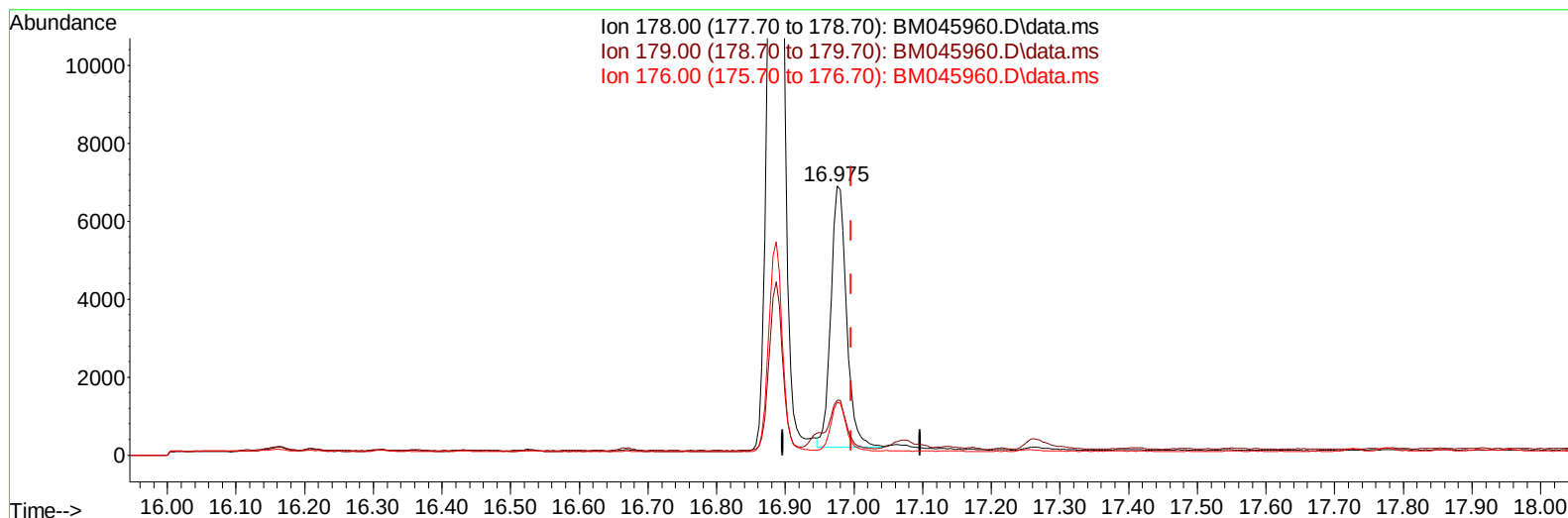
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(16) Anthracene

16.975min (-0.021) 0.32 ng/ul m

response 10577

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	20.45#
176.00	19.40	19.61
0.00	0.00	0.00

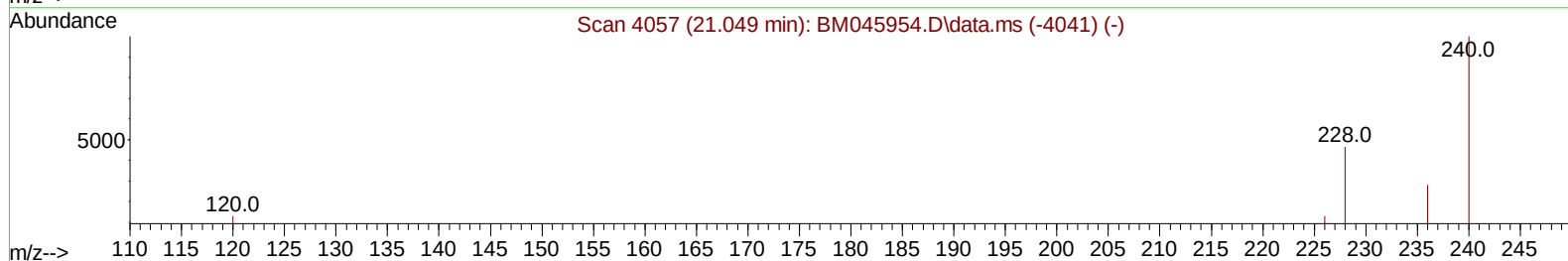
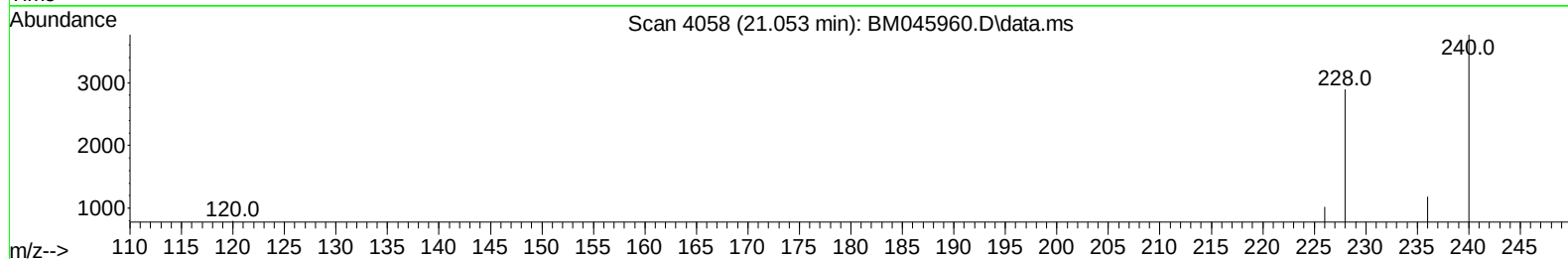
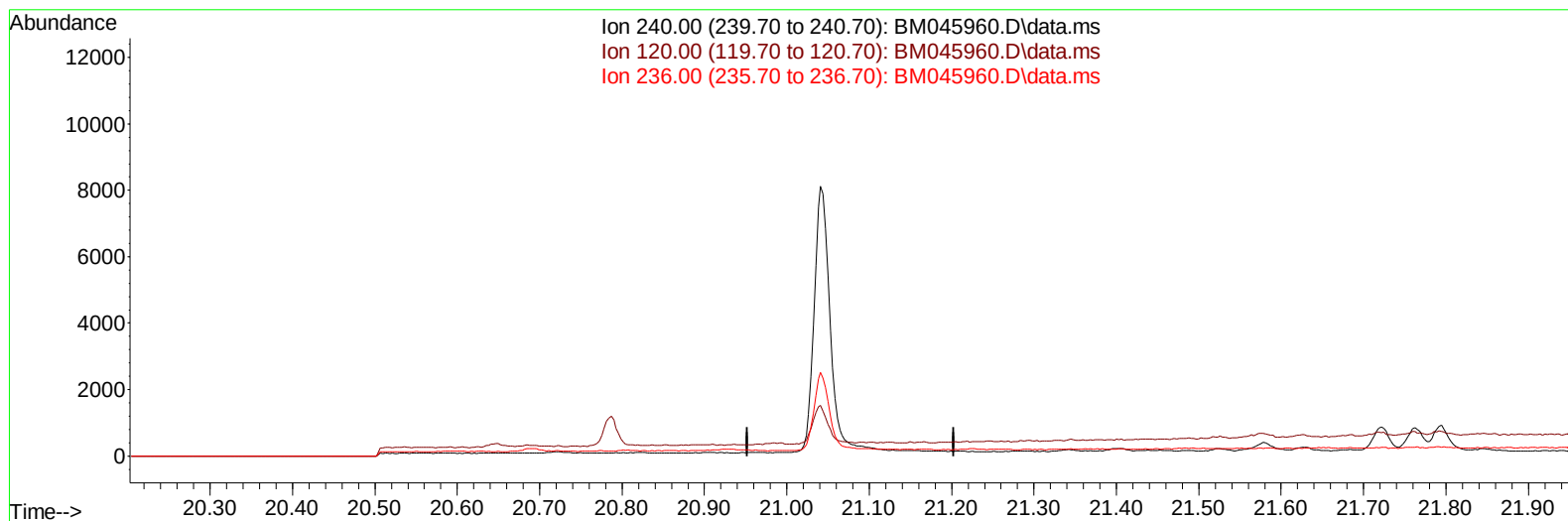
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.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

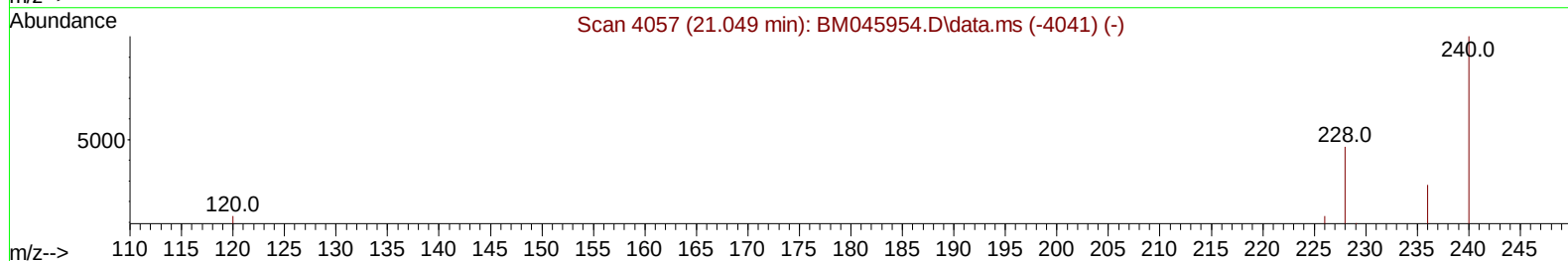
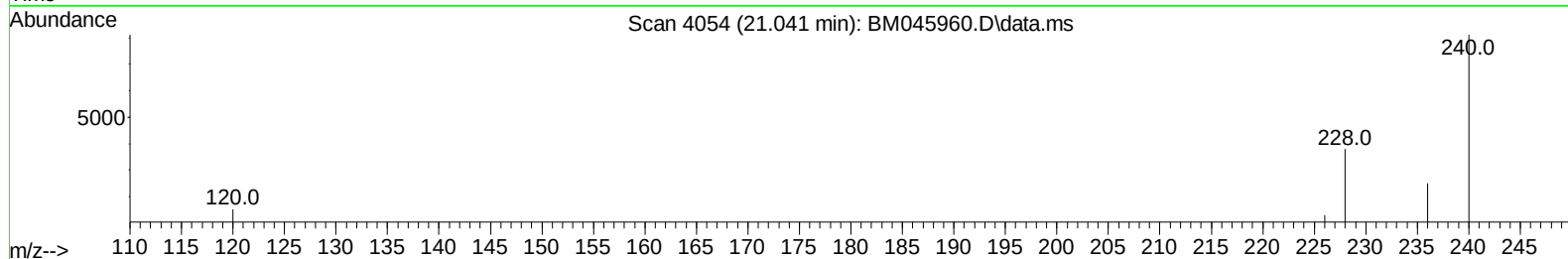
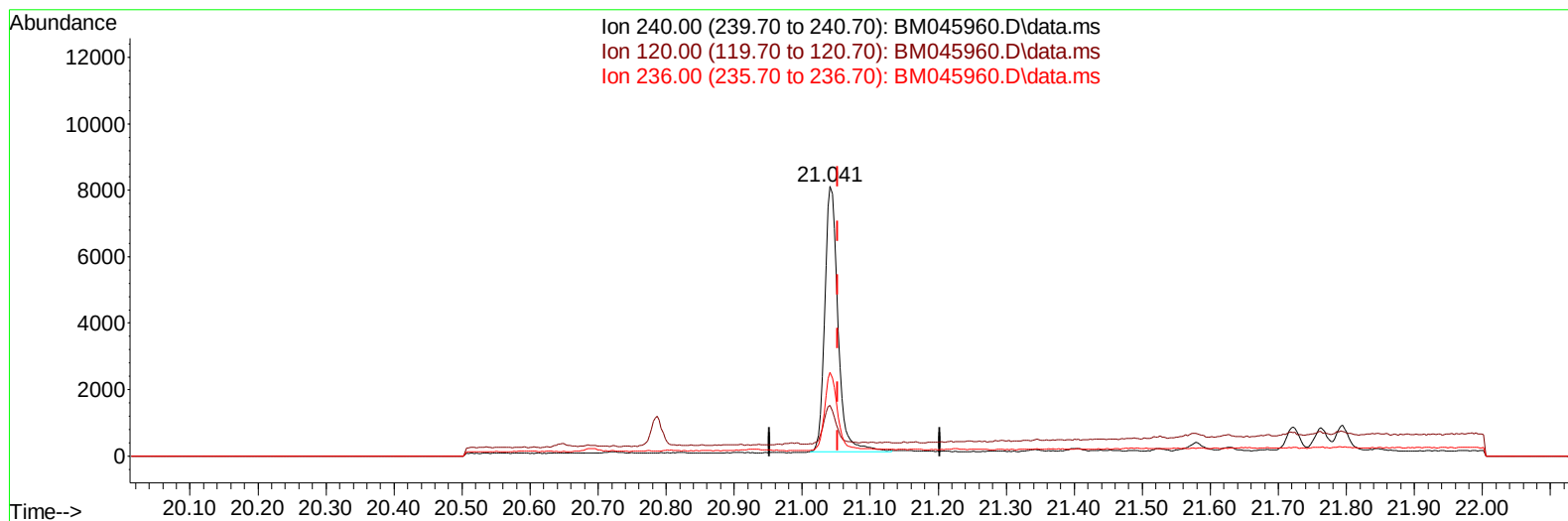
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(17) Chrysene-d12

21.041min (-0.012) 0.40 ng/ul m

response 10852

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	18.72
236.00	29.50	30.95
0.00	0.00	0.00

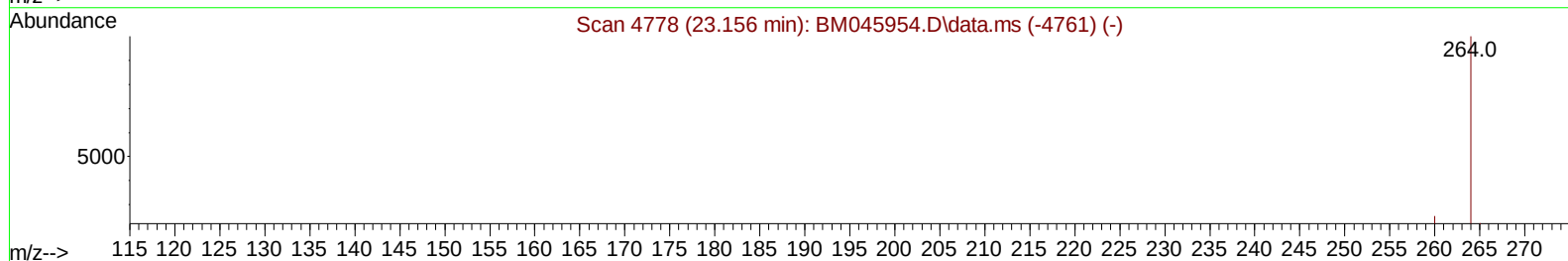
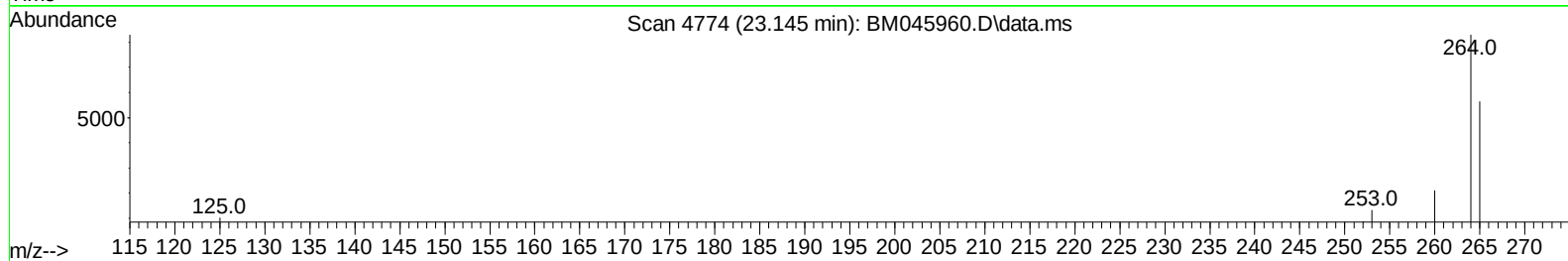
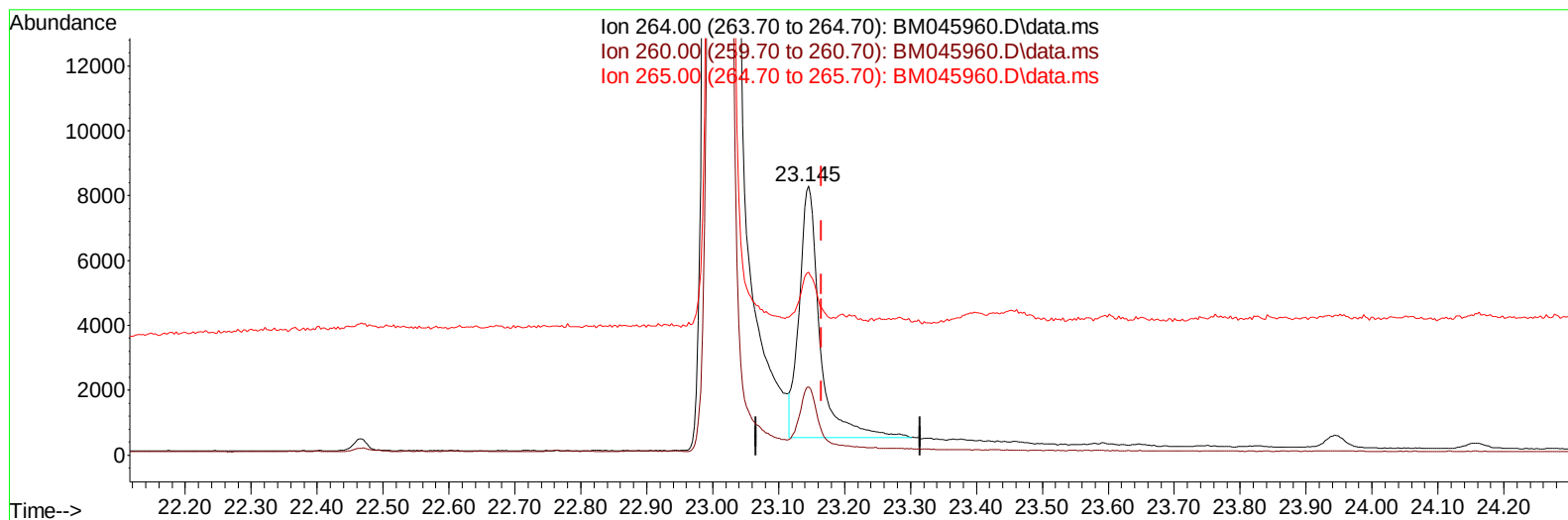
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(23) Perylene-d12 (I)

23.145min (-0.020) 0.40 ng/u1

response 16943

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.35
265.00	76.60	68.02
0.00	0.00	0.00

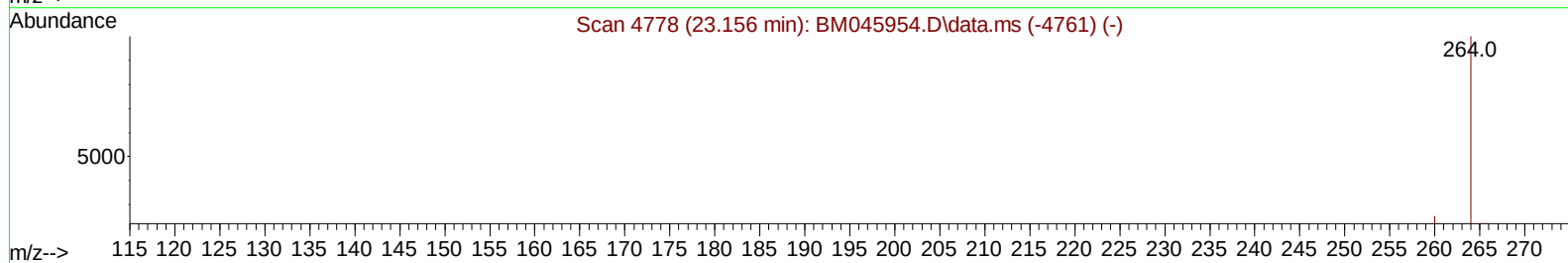
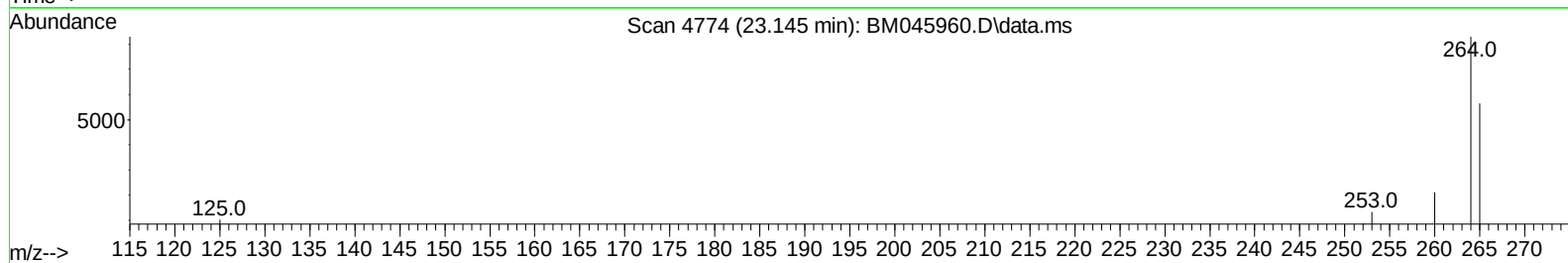
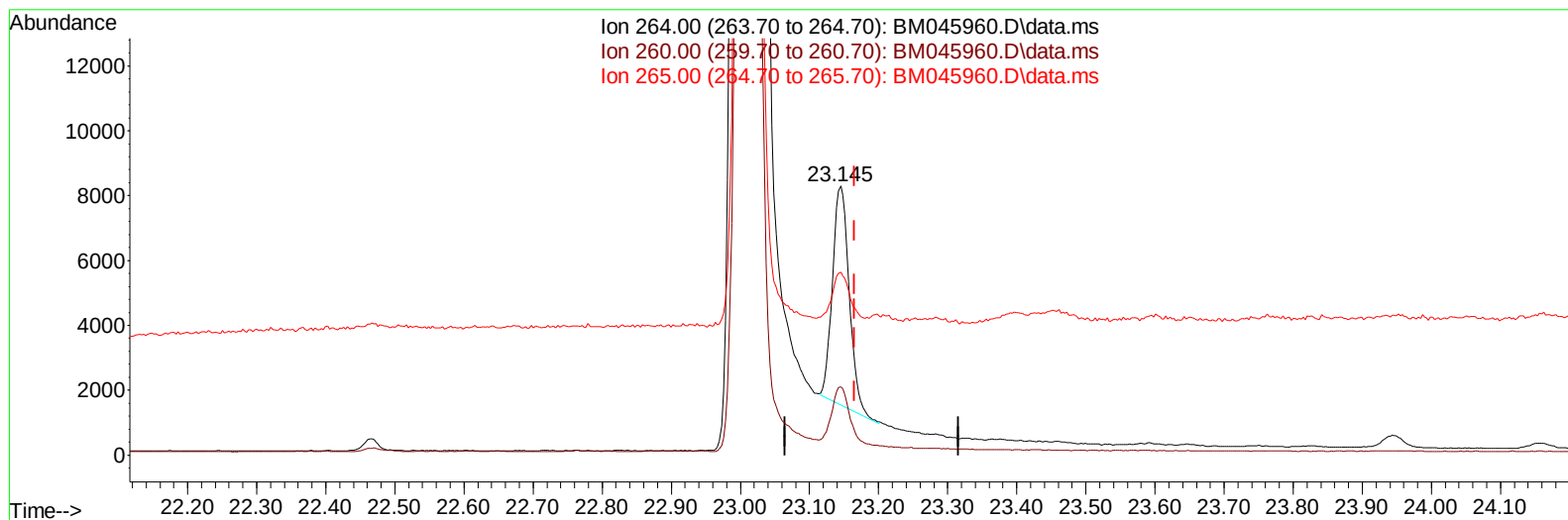
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Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(23) Perylene-d12 (I)

23.145min (-0.020) 0.40 ng/ul m

response 11327

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.35
265.00	76.60	68.02
0.00	0.00	0.00

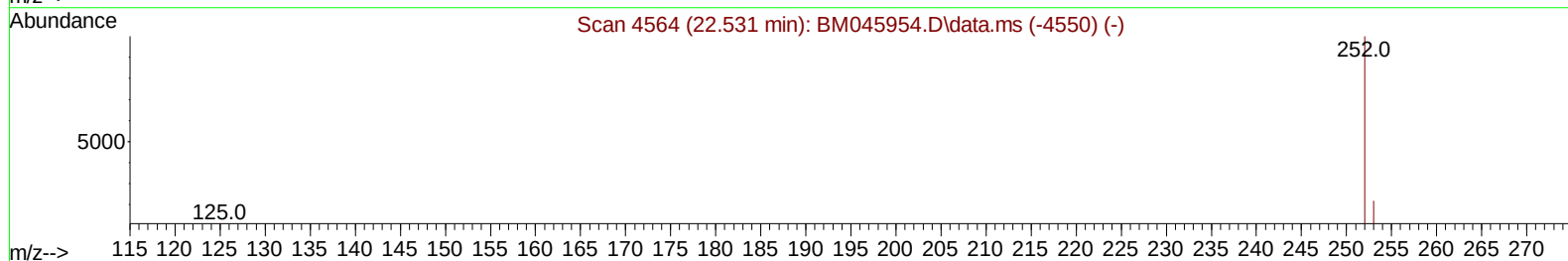
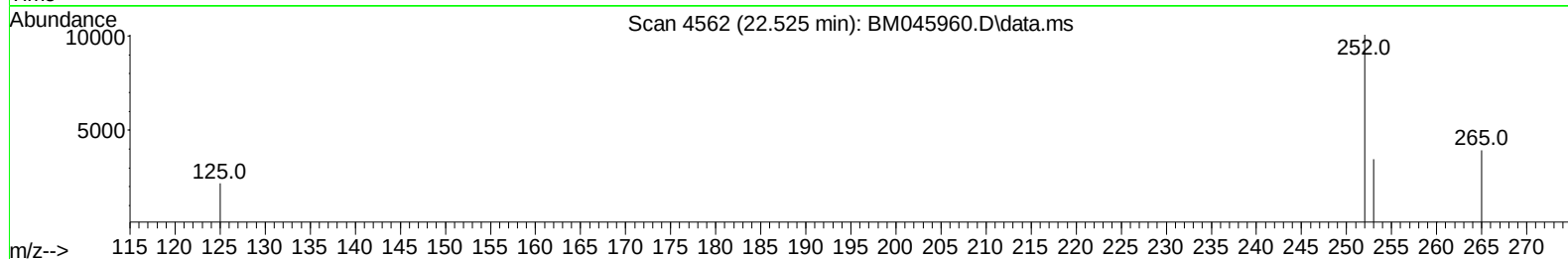
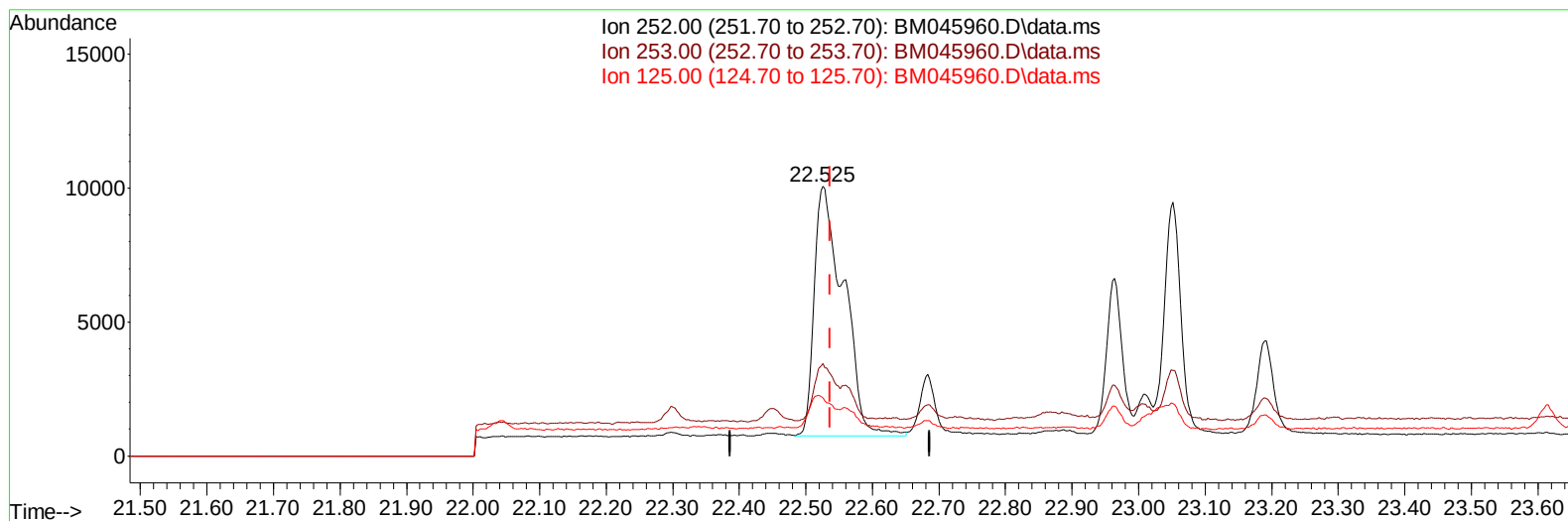
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 0.76 ng/u1

response 28408

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	34.33
125.00	17.90	21.67
0.00	0.00	0.00

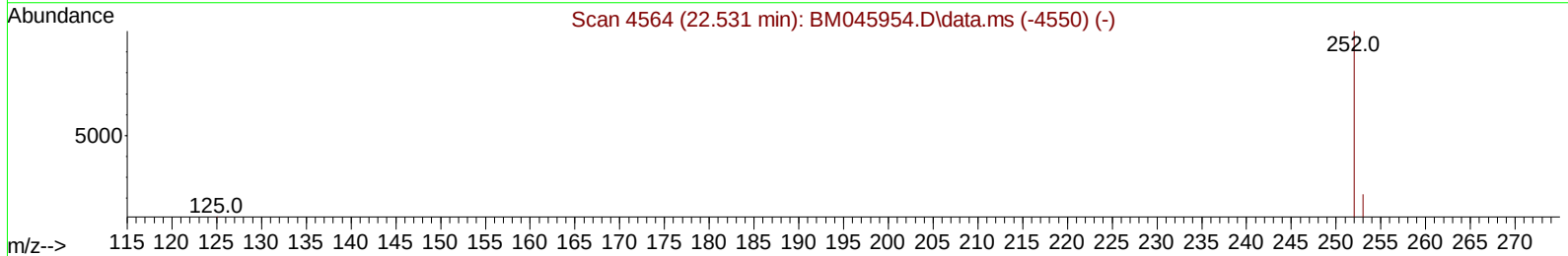
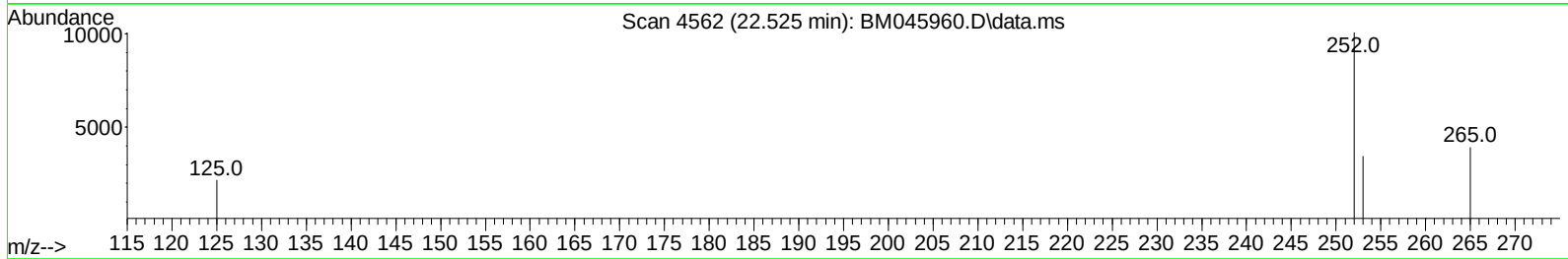
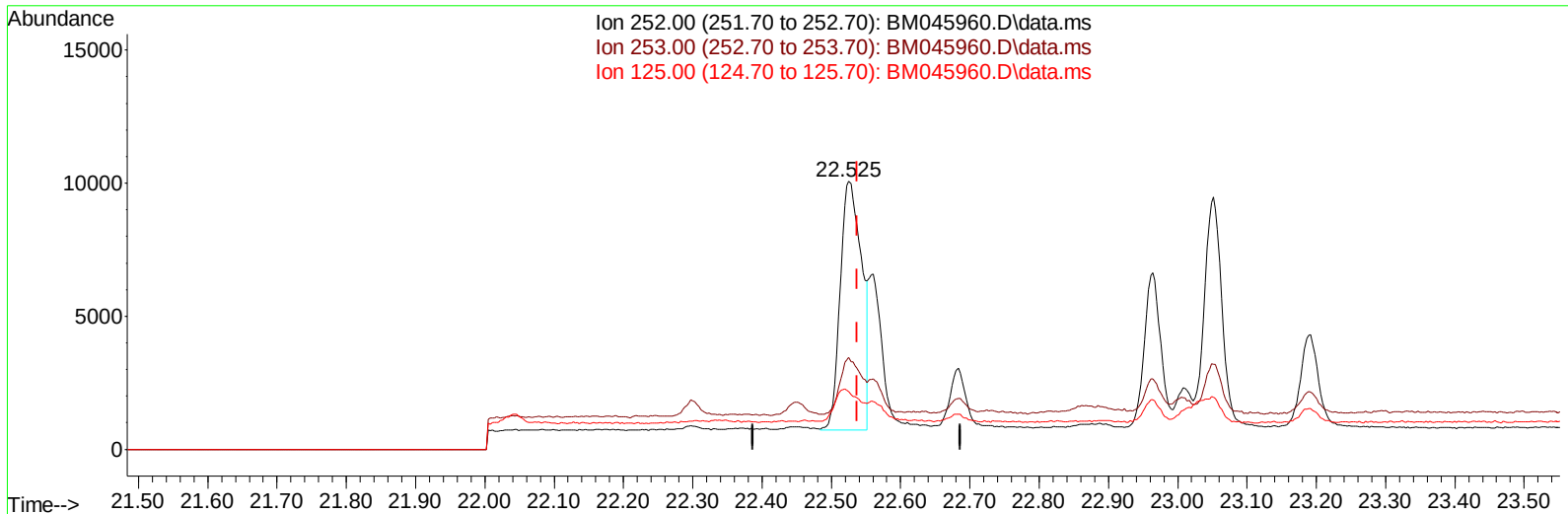
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

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

Quant Time: Jun 10 22:48:54 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



TIC: BM045960.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 0.54 ng/u1 m

response 20289

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	34.33
125.00	17.90	21.67
0.00	0.00	0.00

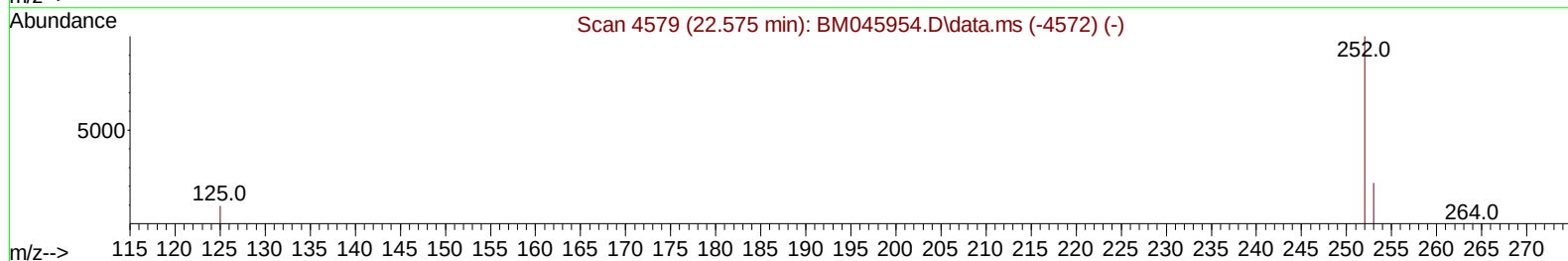
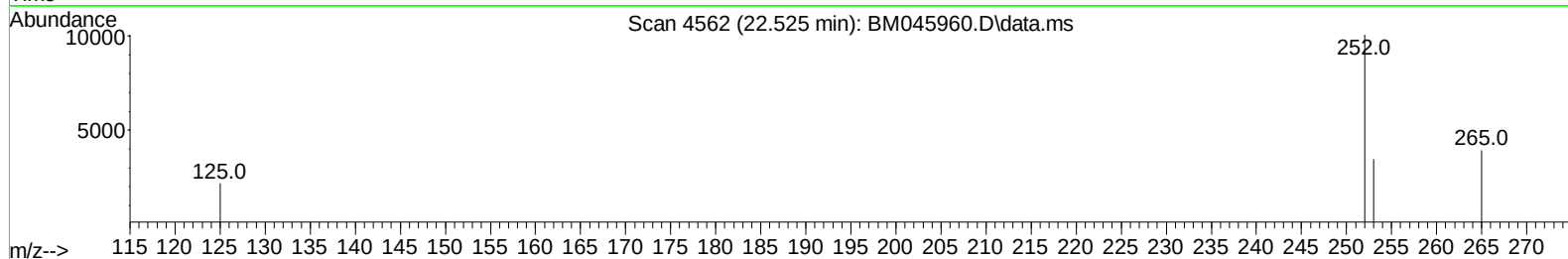
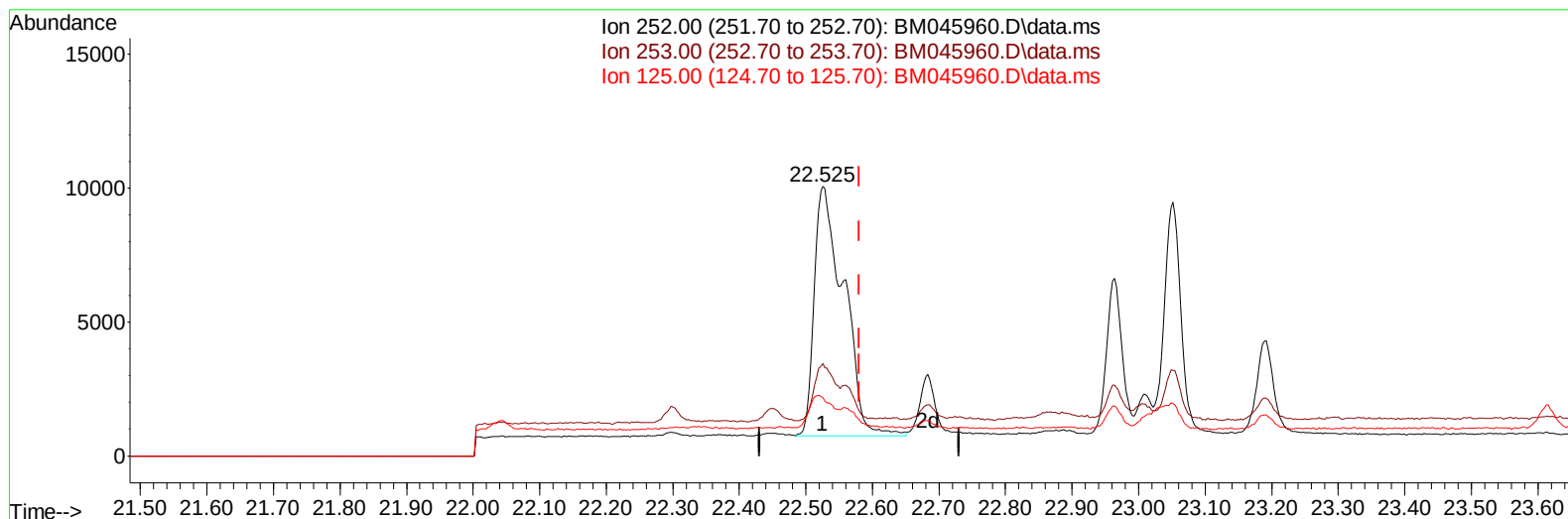
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.056) 0.69 ng/u1

response 28408

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	34.33
125.00	17.70	21.67#
0.00	0.00	0.00

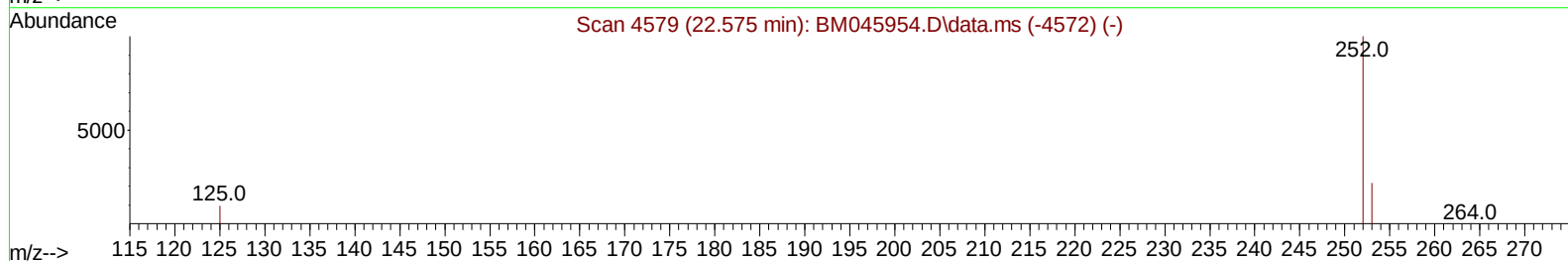
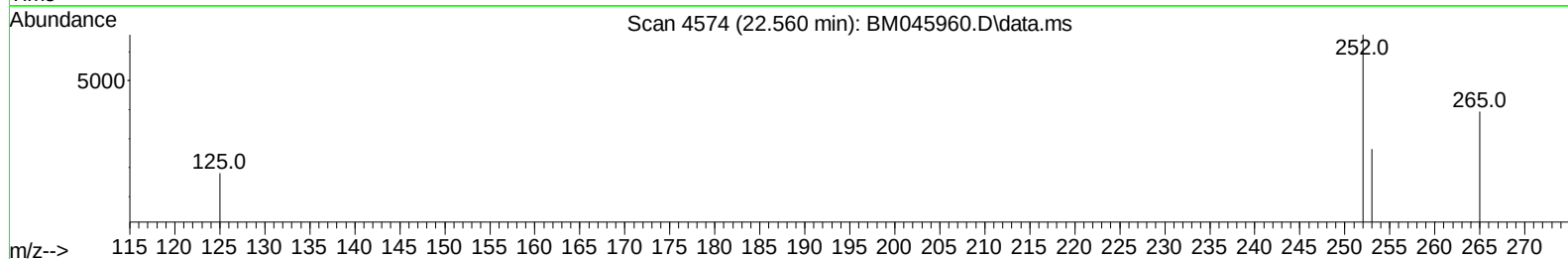
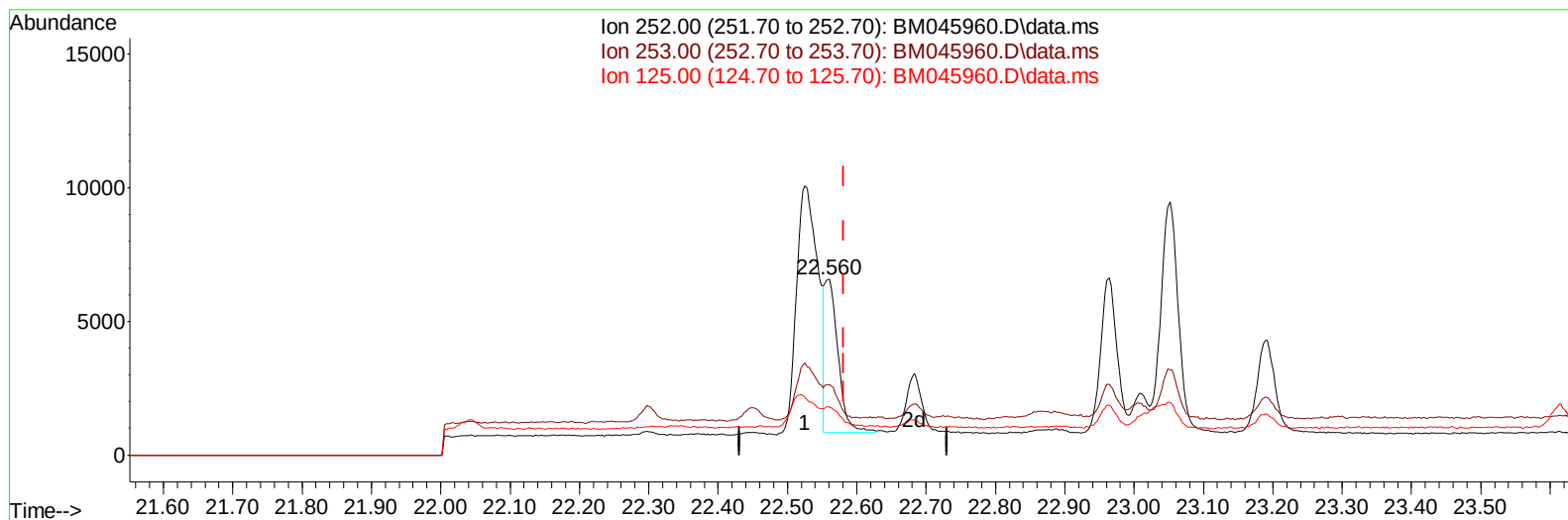
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045960.D
Acq On : 10 Jun 2024 20:47
Operator : MA/JU
Sample : P2642-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH3

Manual IntegrationsAPPROVED

Quant Time: Jun 10 22:48:54 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: BM045960.D\data.ms

(25) Benzo(k)fluoranthene

22.560min (-0.021) 0.19 ng/ul m

response 7639

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	40.07#
125.00	17.70	27.30#
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	4043	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.231	136	12939	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.103	164	6737	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.844	188	13659m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240	10852m	0.400	ng/ul	-0.01
23) Perylene-d12	23.145	264	11327m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	14951	3.247	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.848	152	3242	0.174	ng/ul	0.00
18) Fluoranthene-d10	18.875	212	7080	0.218	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.275	128	1055	0.031	ng/ul#	73
7) 2-Methylnaphthalene	11.920	142	714	0.033	ng/ul	97
8) 1-Methylnaphthalene	12.140	142	685	0.029	ng/ul	99
10) Acenaphthylene	13.821	152	628	0.020	ng/ul#	62
11) Acenaphthene	14.168	153	2524	0.112	ng/ul	96
12) Fluorene	15.158	166	3455	0.137	ng/ul	97
15) Phenanthrene	16.887	178	38877m	1.014	ng/ul	
16) Anthracene	16.975	178	10577m	0.323	ng/ul	
19) Fluoranthene	18.908	202	43949	1.016	ng/ul	98
20) Pyrene	19.270	202	38277	0.848	ng/ul	97
21) Benzo(a)anthracene	21.026	228	18503	0.465	ng/ul	97
22) Chrysene	21.076	228	17914	0.413	ng/ul	97
24) Benzo(b)fluoranthene	22.525	252	20289m	0.540	ng/ul	
25) Benzo(k)fluoranthene	22.560	252	7639m	0.185	ng/ul	
26) Benzo(a)pyrene	23.052	252	15163	0.406	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.209	276	9457	0.196	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.216	278	2319	0.060	ng/ul#	37
29) Benzo(g,h,i)perylene	25.836	276	9247	0.222	ng/ul	95

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

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