

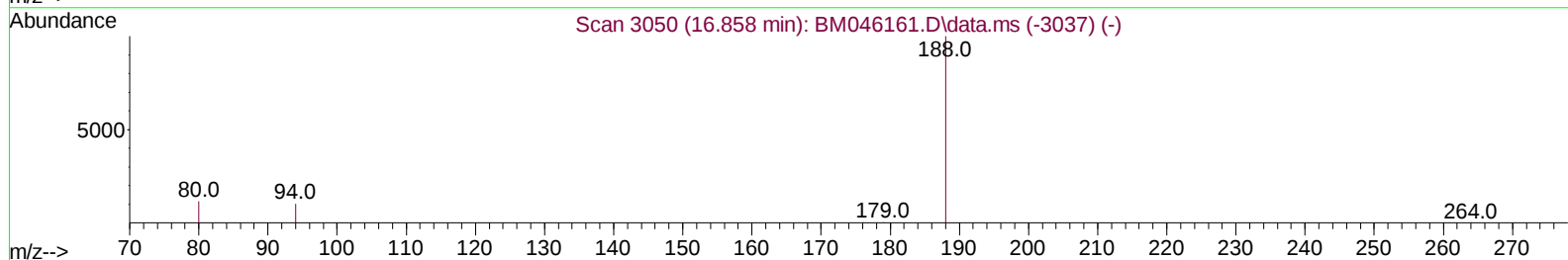
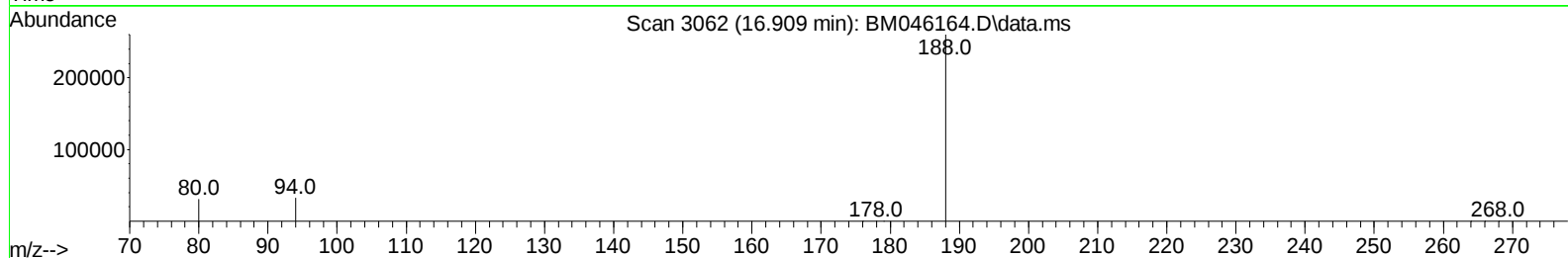
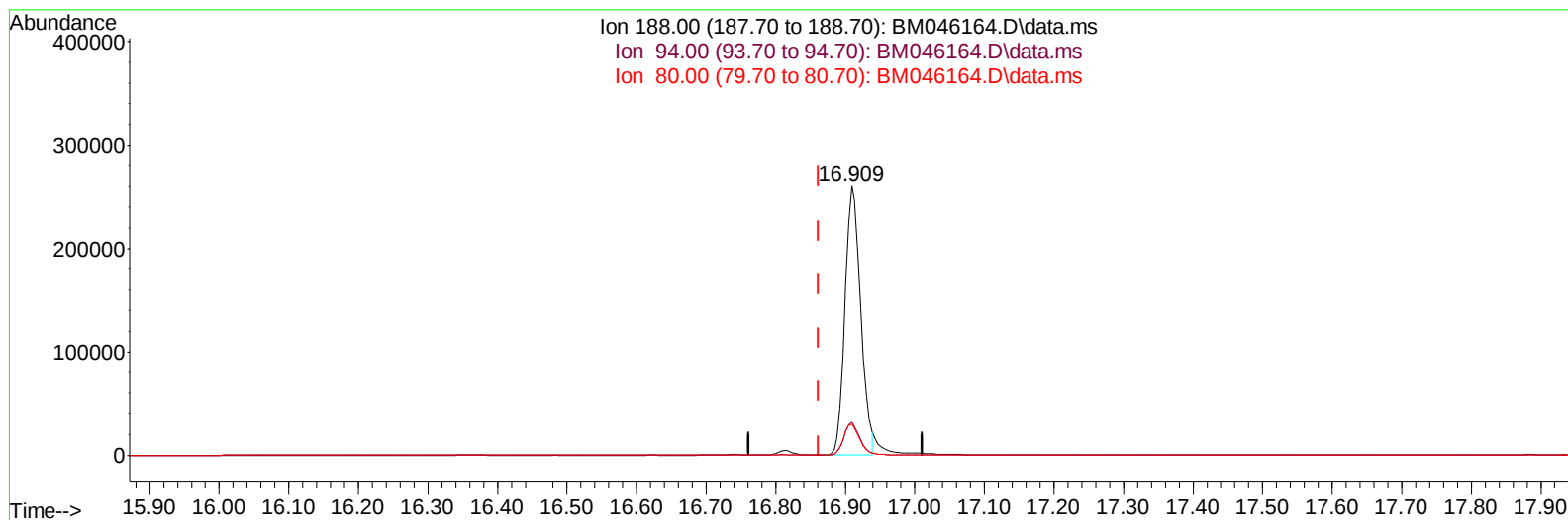
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(13) Phenanthrene-d10 (I)

16.909min (+ 0.048) 0.40 ng/u1

response 406219

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.46
80.00	15.20	11.75#
0.00	0.00	0.00

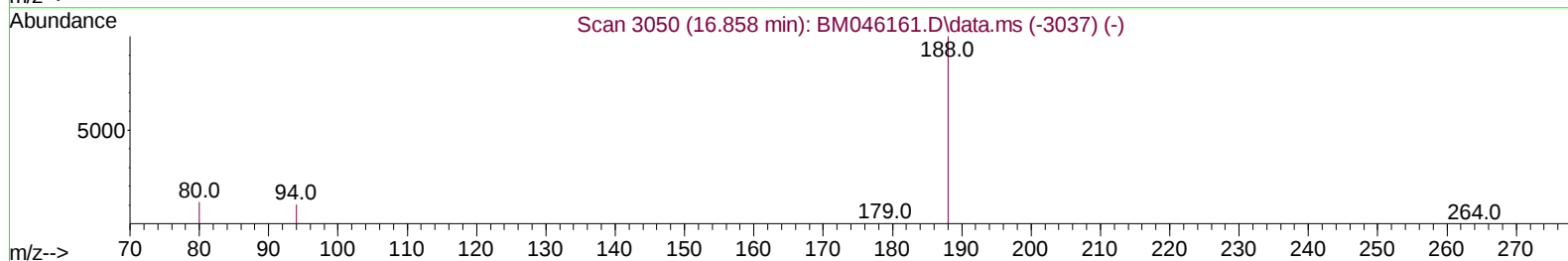
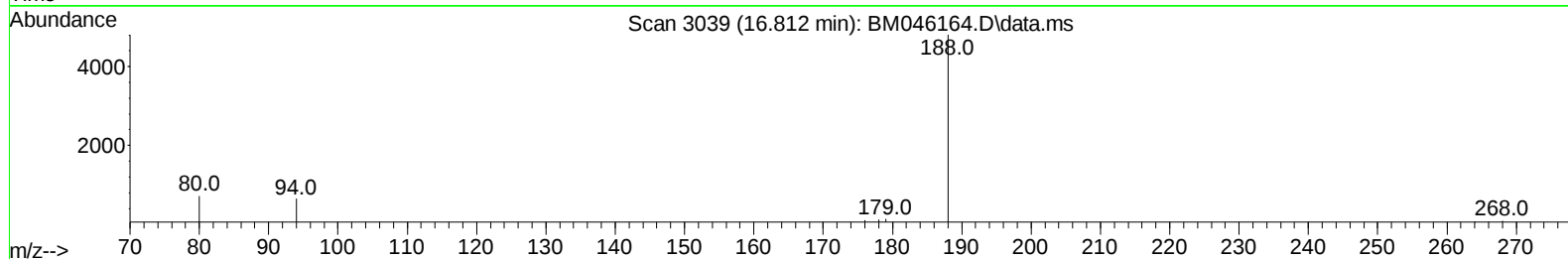
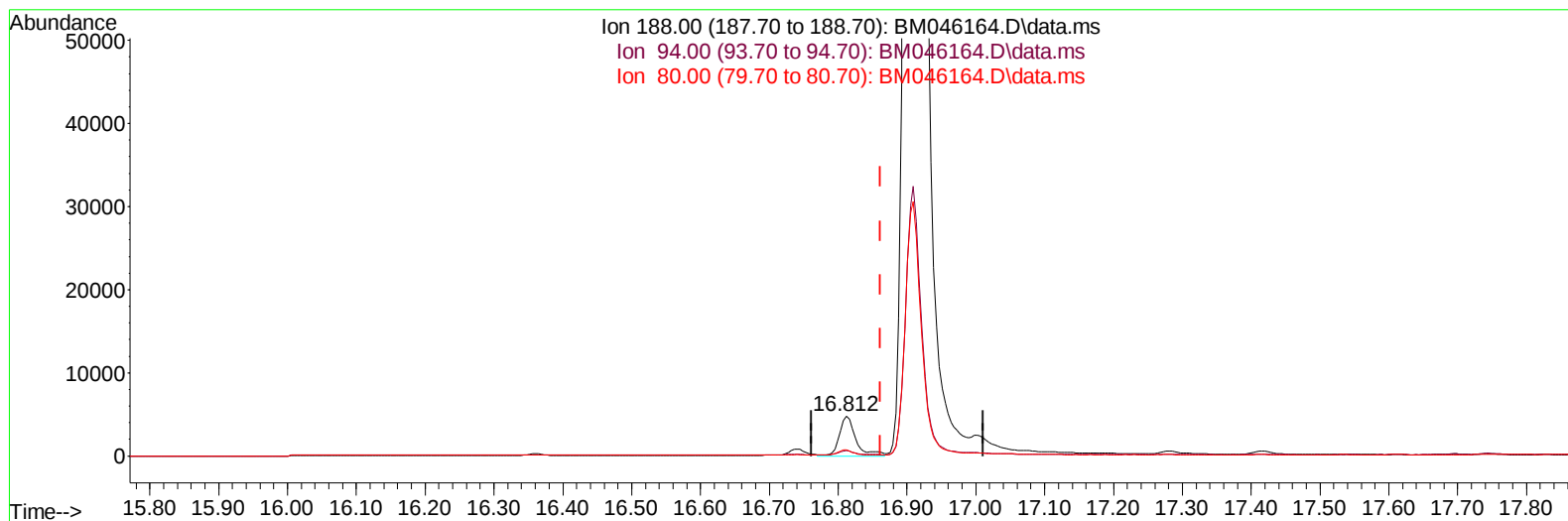
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 2024
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QLast Update : Tue Jun 18 13:58:29 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(13) Phenanthrene-d10 (I)

16.812min (-0.049) 0.40 ng/u1 m

response 7999

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	13.39
80.00	15.20	14.89
0.00	0.00	0.00

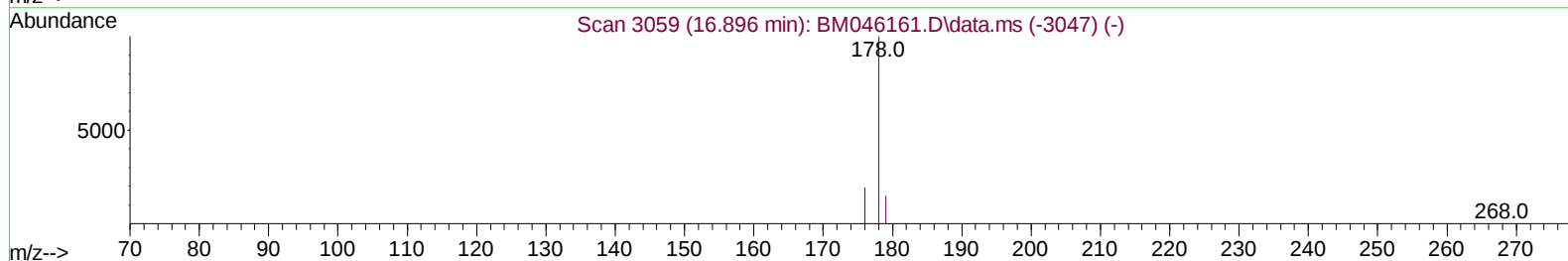
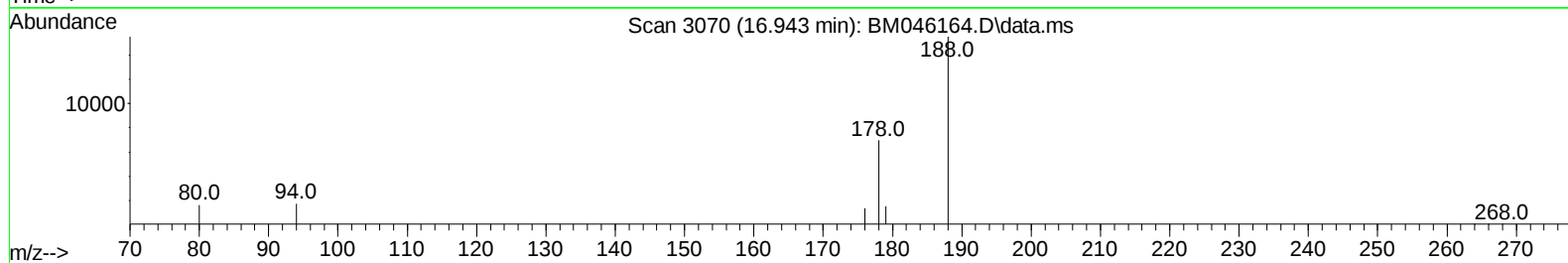
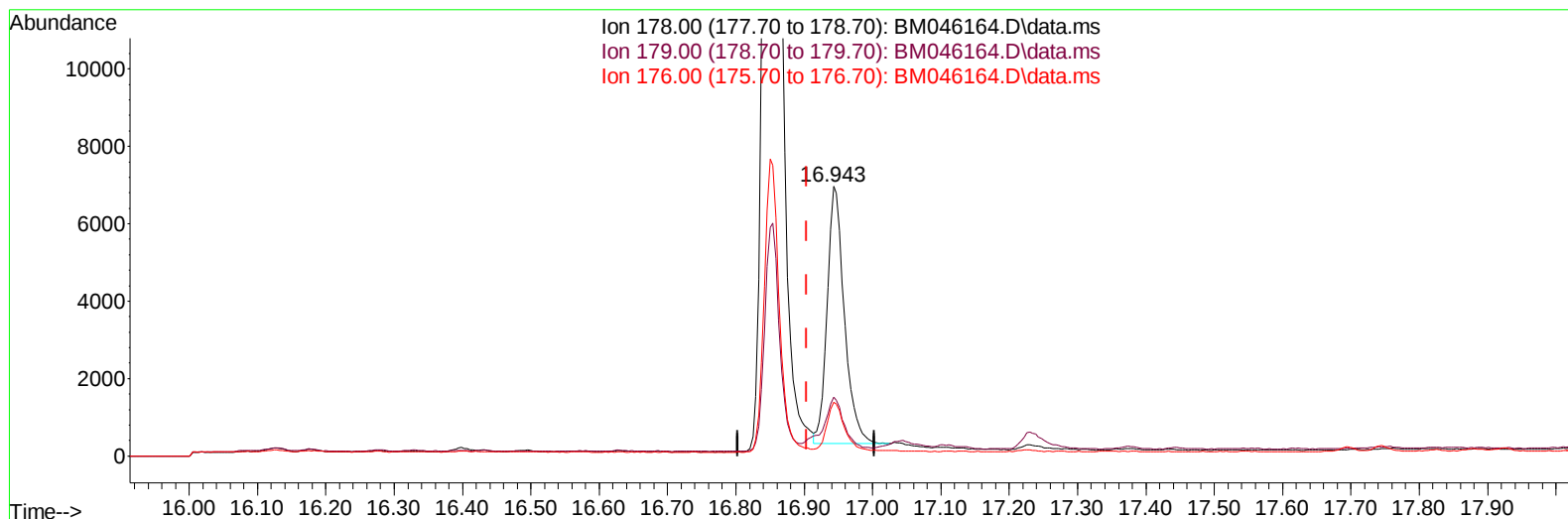
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046164.D\data.ms

(15) Phenanthrene

16.943min (+ 0.039) 0.52 ng/u1

response 11697

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	21.89#
176.00	21.40	19.85
0.00	0.00	0.00

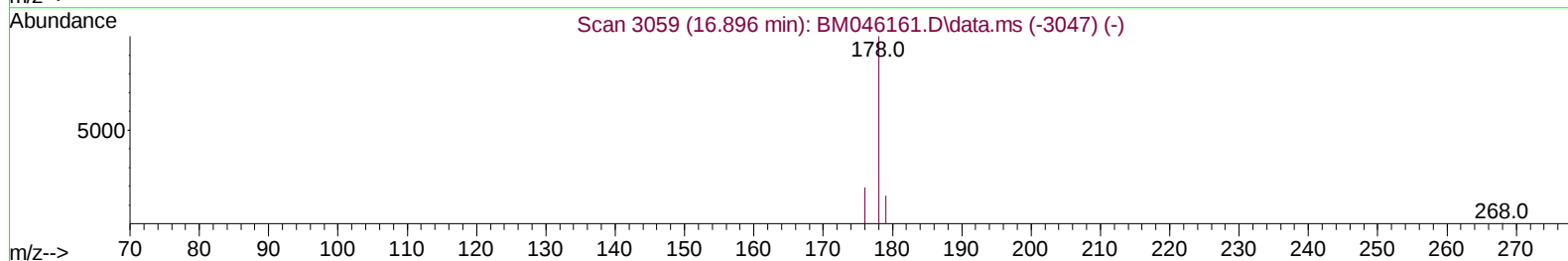
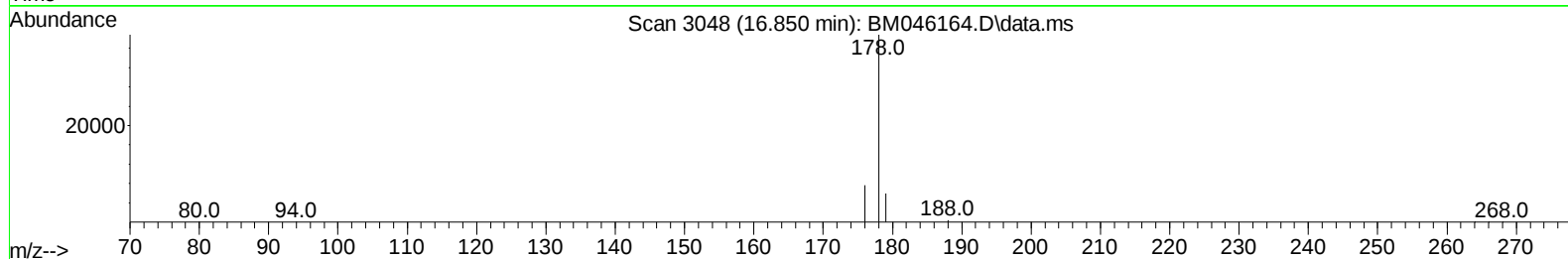
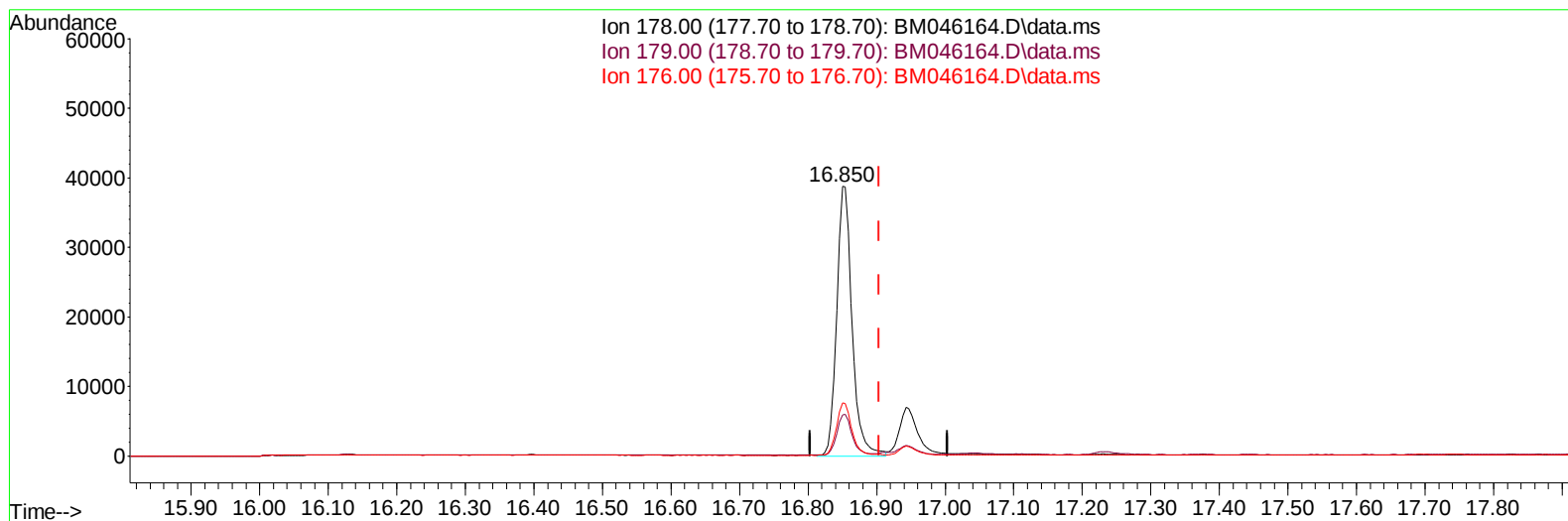
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(15) Phenanthrene

16.850min (-0.053) 2.69 ng/ul m

response 60499

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.24
176.00	21.40	19.82
0.00	0.00	0.00

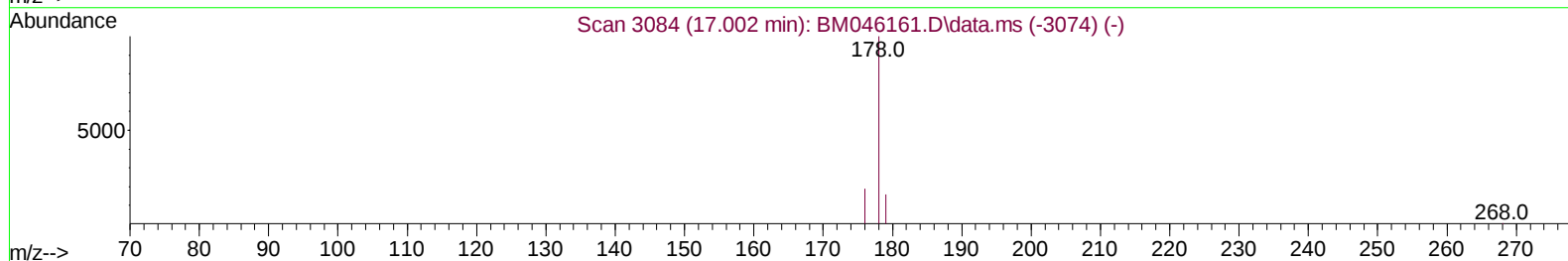
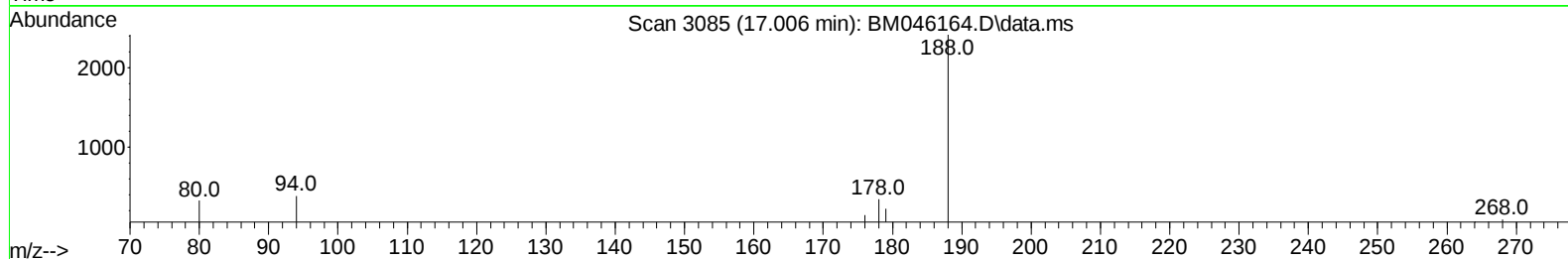
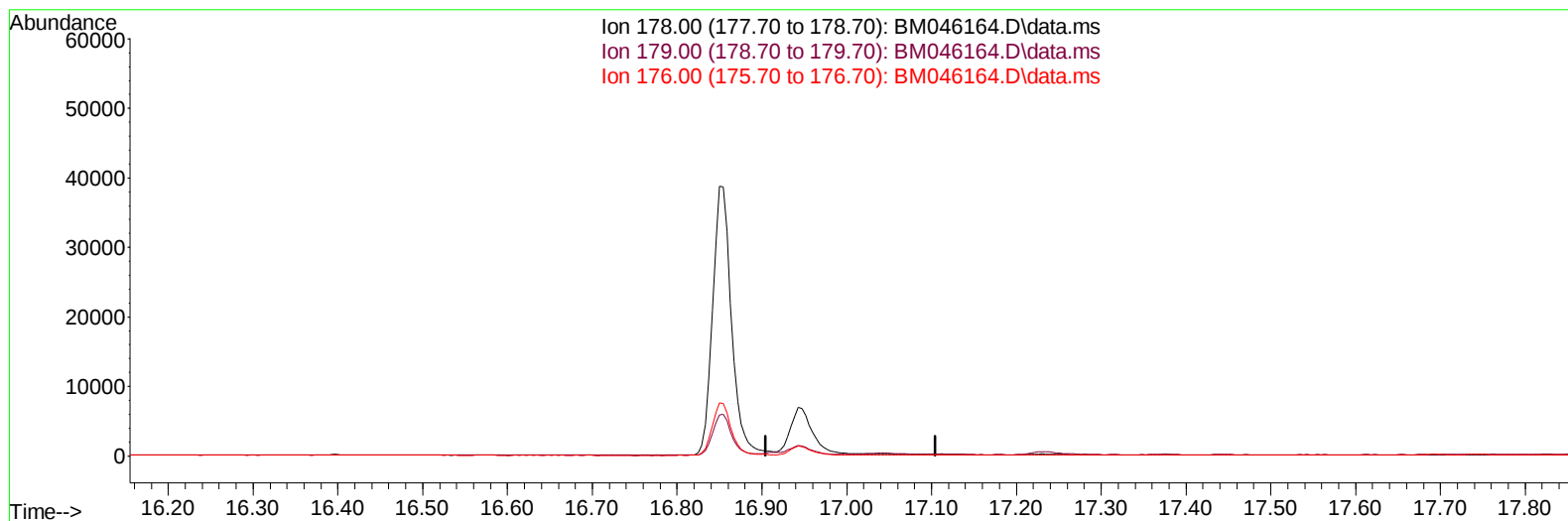
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 2024
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TIC: BM046164.D\data.ms

(16) Anthracene

17.005min (-17.005) 0.00 ng/u1

response 0

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

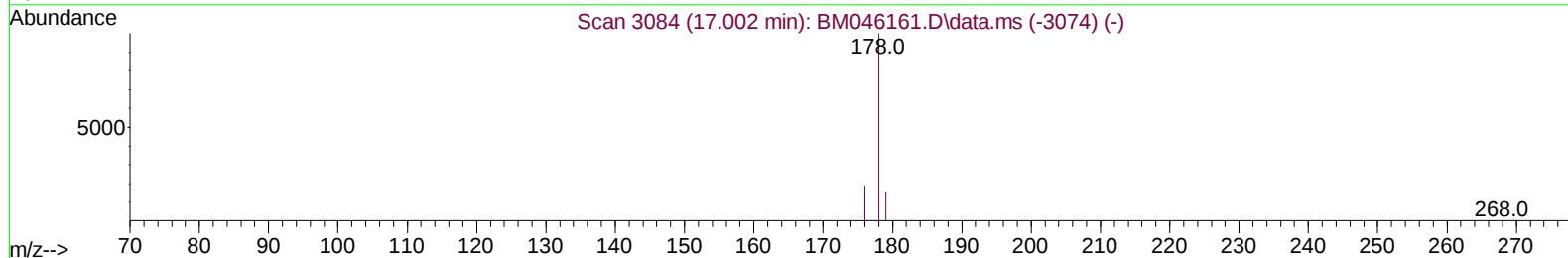
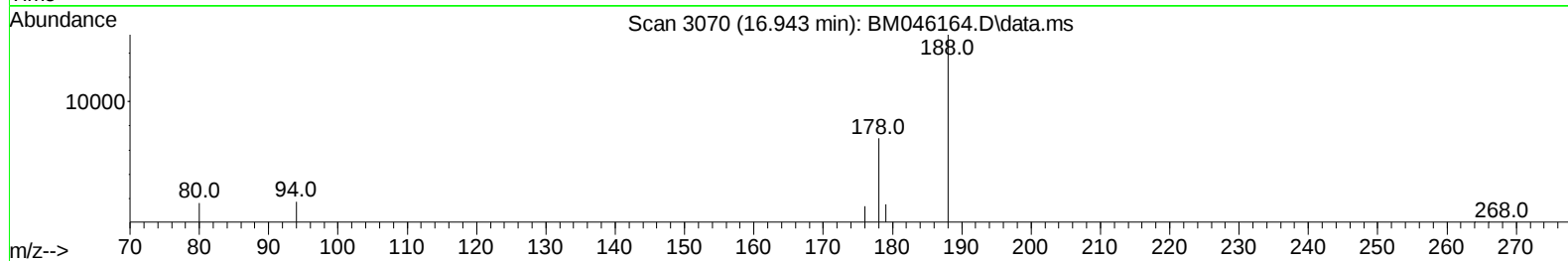
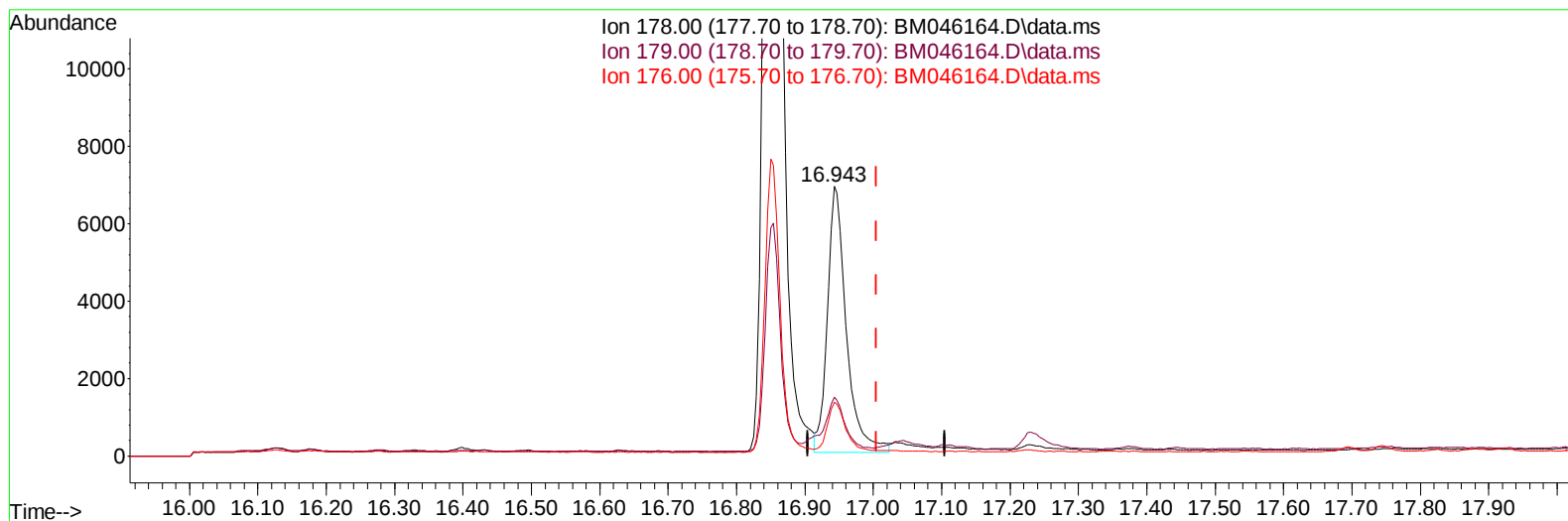
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(16) Anthracene

16.943min (-0.062) 0.78 ng/ul m

response 13126

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	21.89
176.00	21.20	19.85
0.00	0.00	0.00

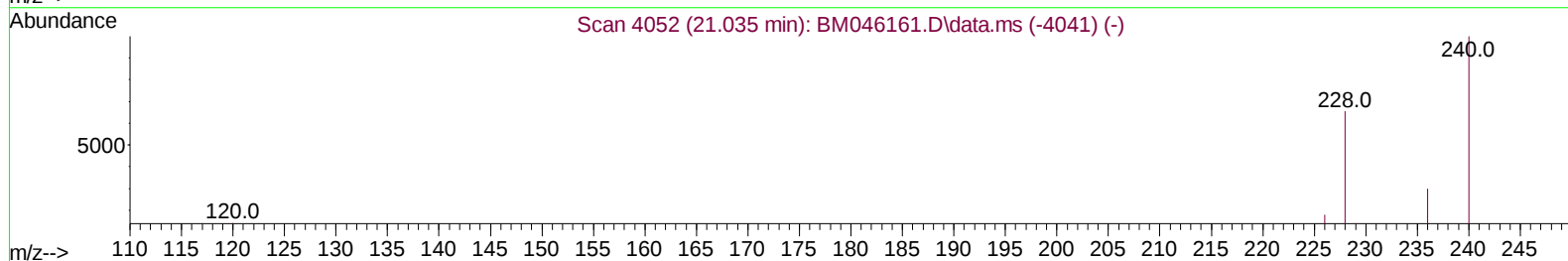
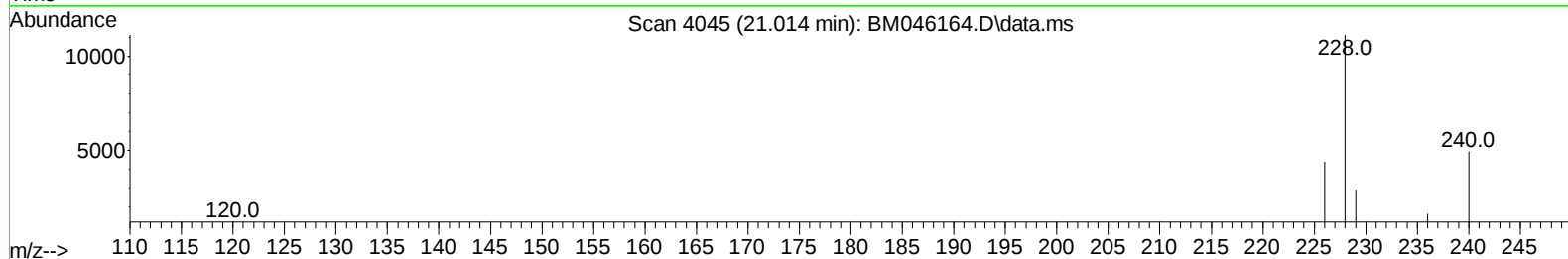
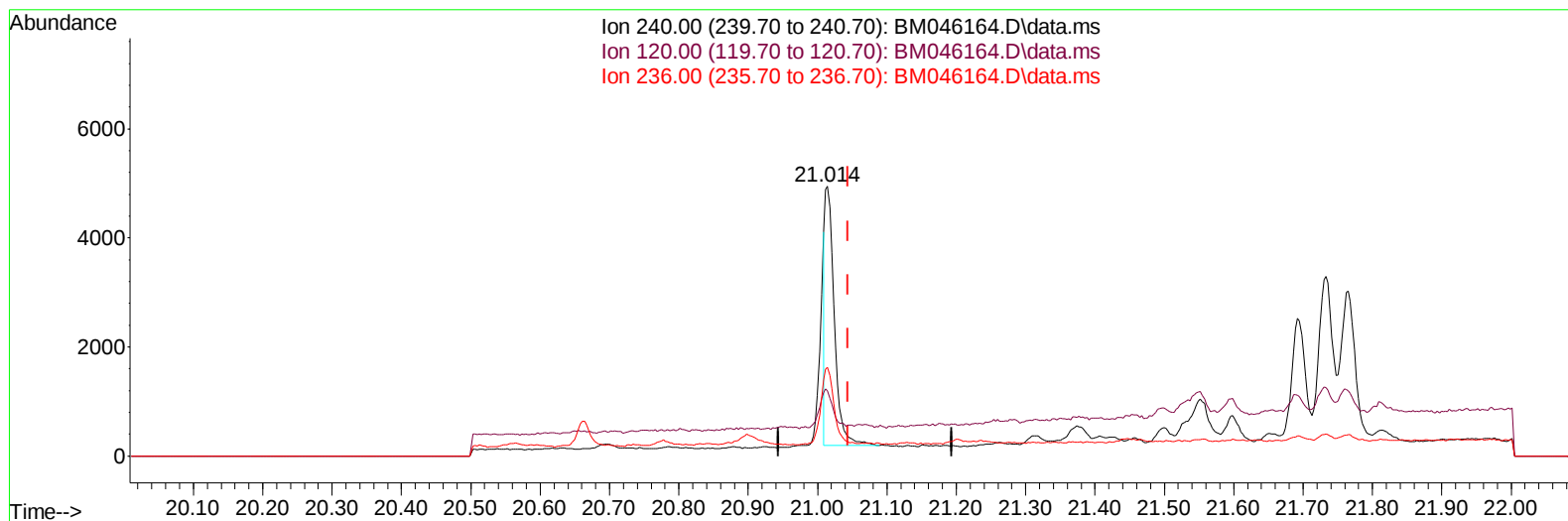
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(17) Chrysene-d12

21.014min (-0.030) 0.40 ng/u1

response 4471

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.20
236.00	33.60	32.82
0.00	0.00	0.00

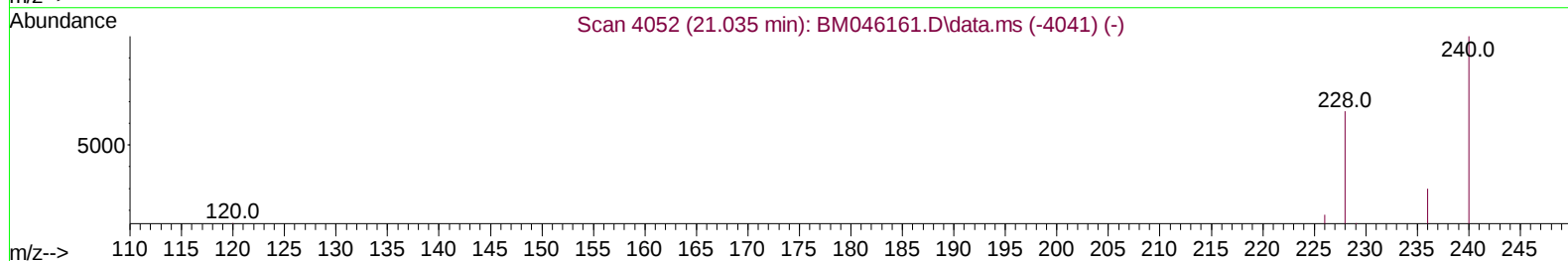
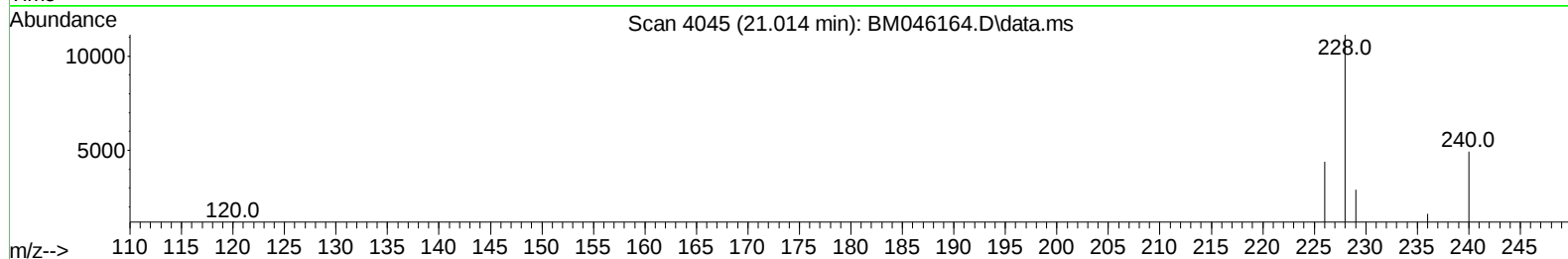
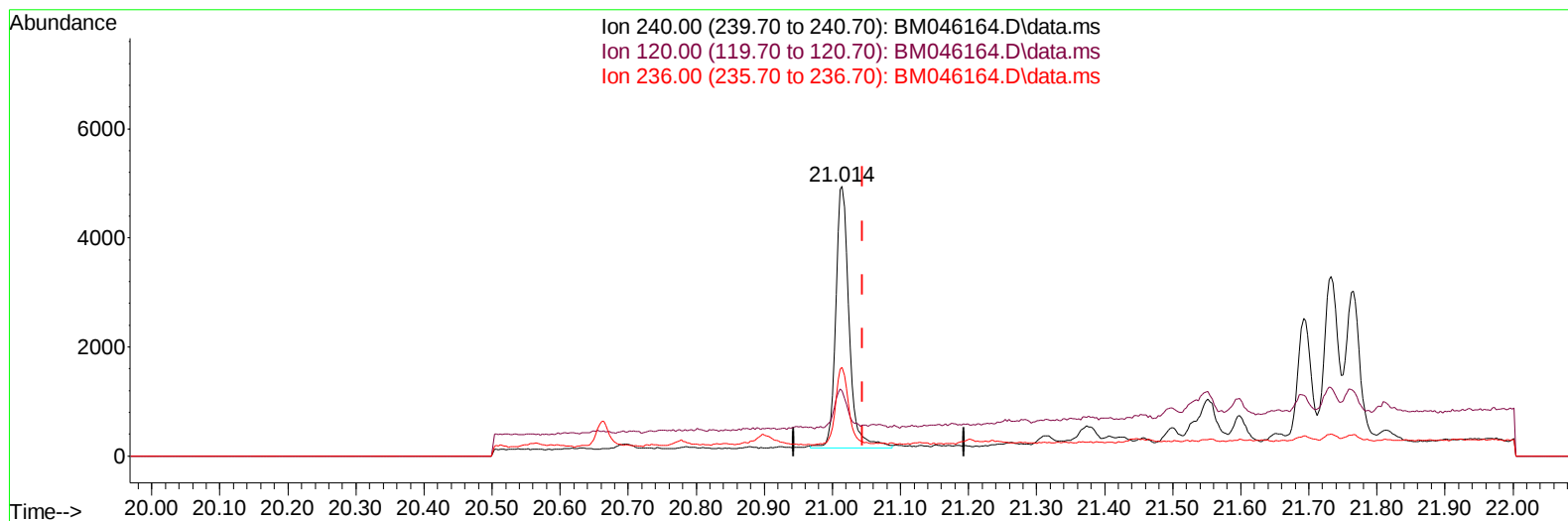
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(17) Chrysene-d12

21.014min (-0.030) 0.40 ng/ul m

response 6510

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	24.20
236.00	33.60	32.82
0.00	0.00	0.00

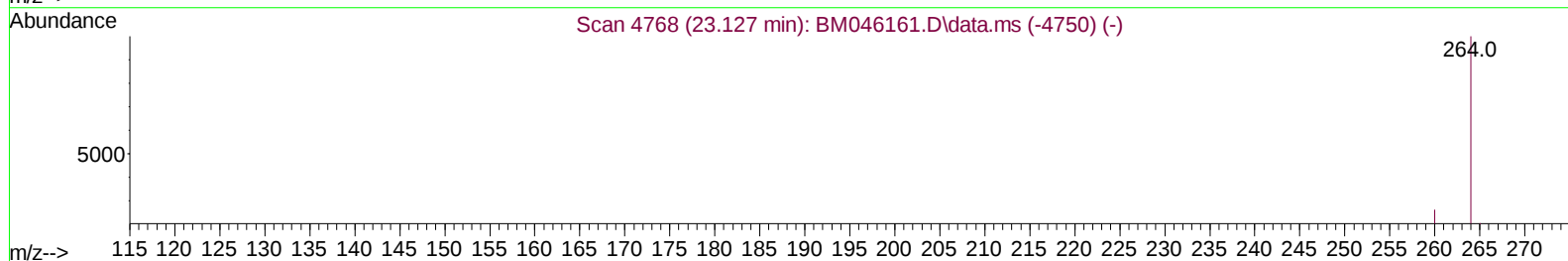
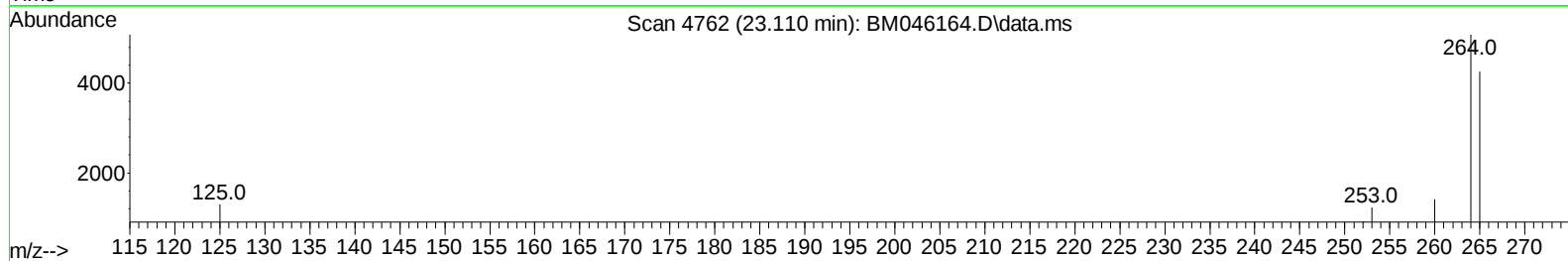
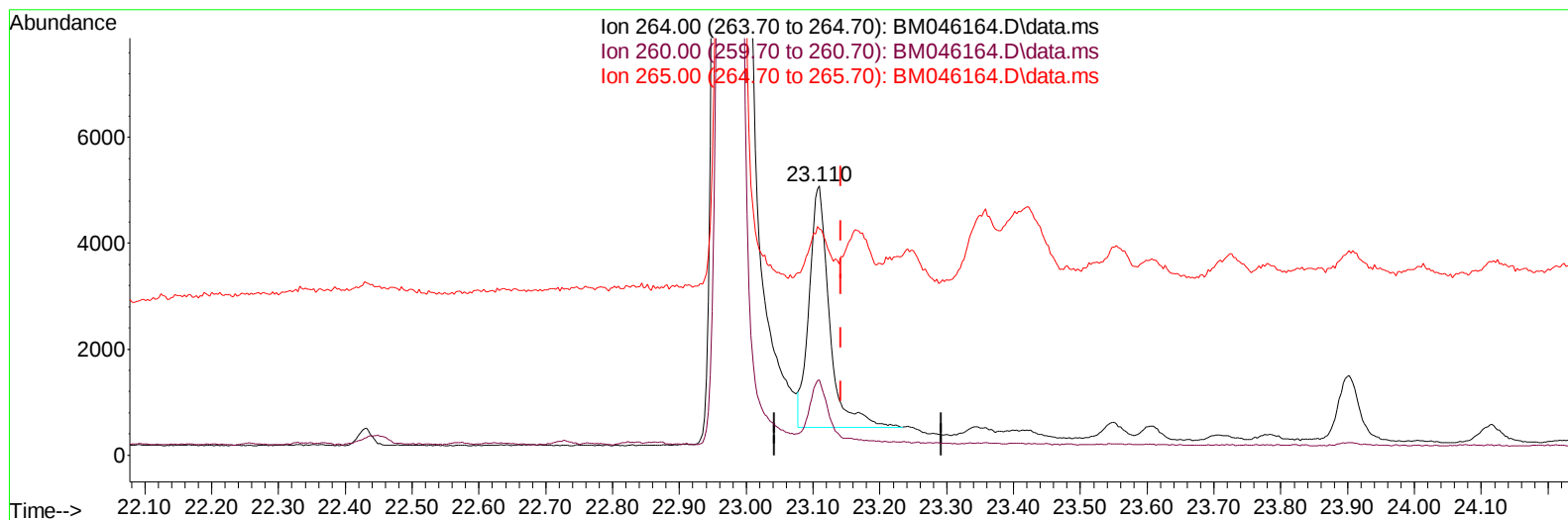
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 2024
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TIC: BM046164.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.032) 0.40 ng/u1

response 9654

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.84
265.00	110.60	83.97#
0.00	0.00	0.00

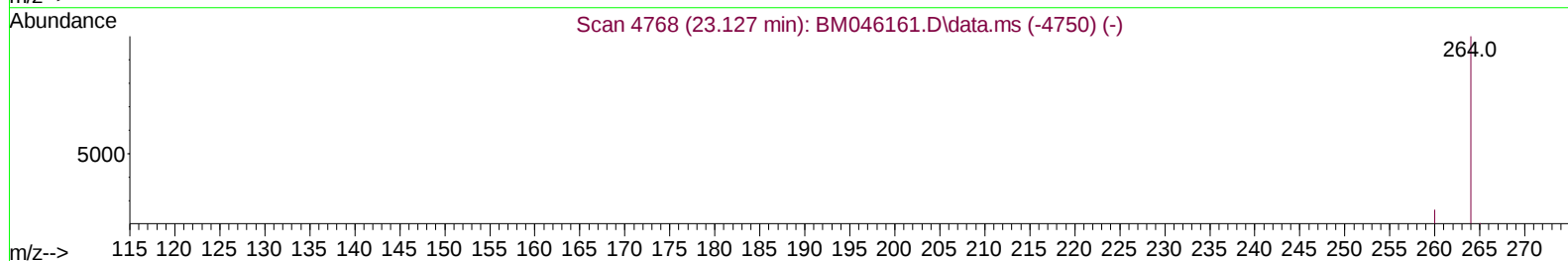
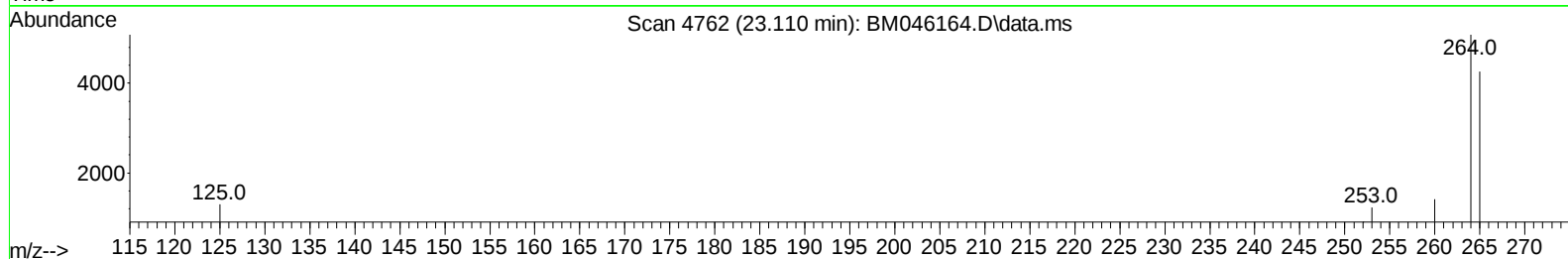
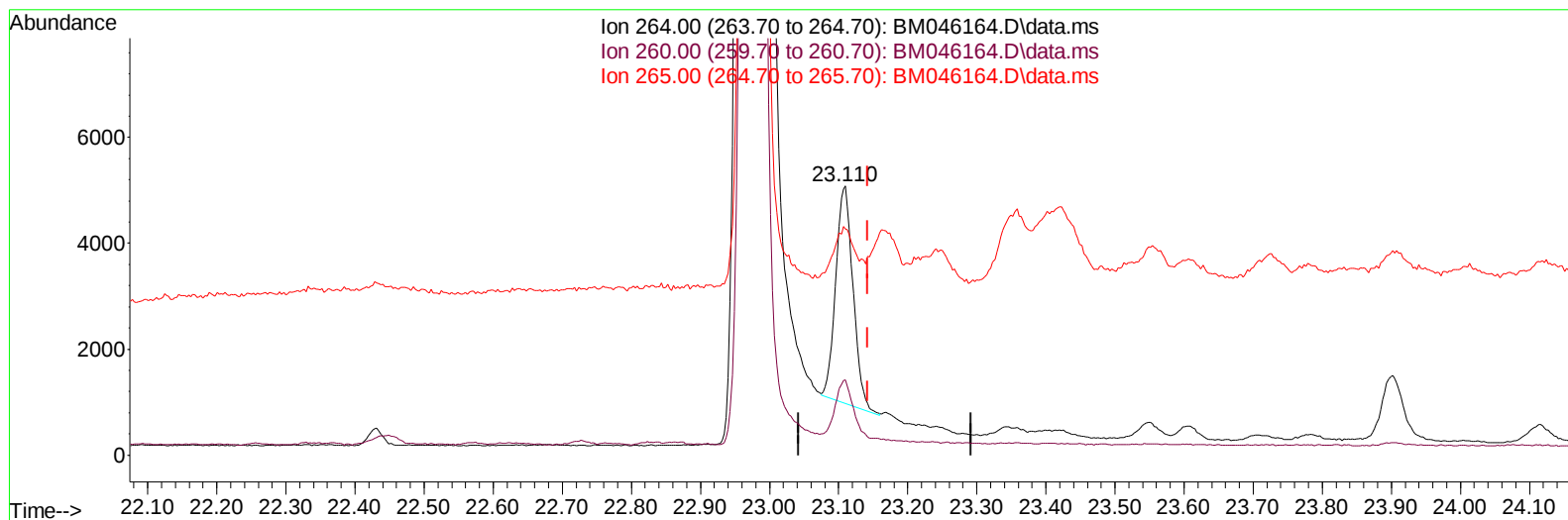
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.032) 0.40 ng/u1 m

response 7111

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.84
265.00	110.60	83.97#
0.00	0.00	0.00

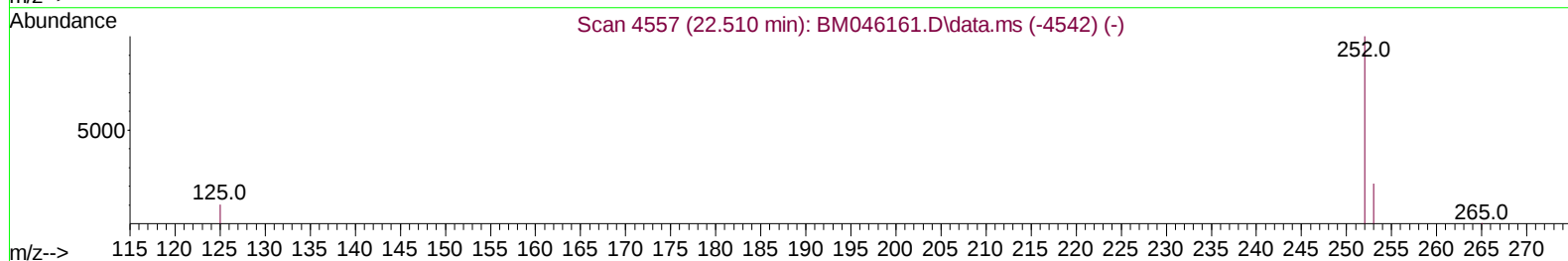
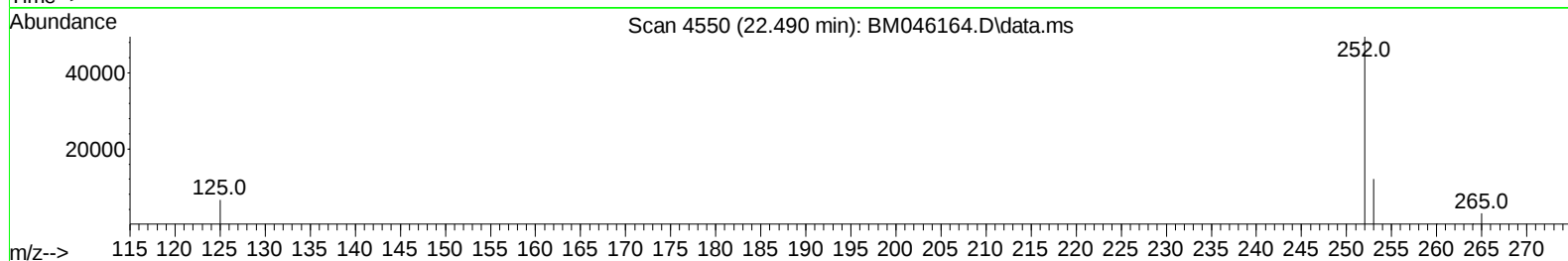
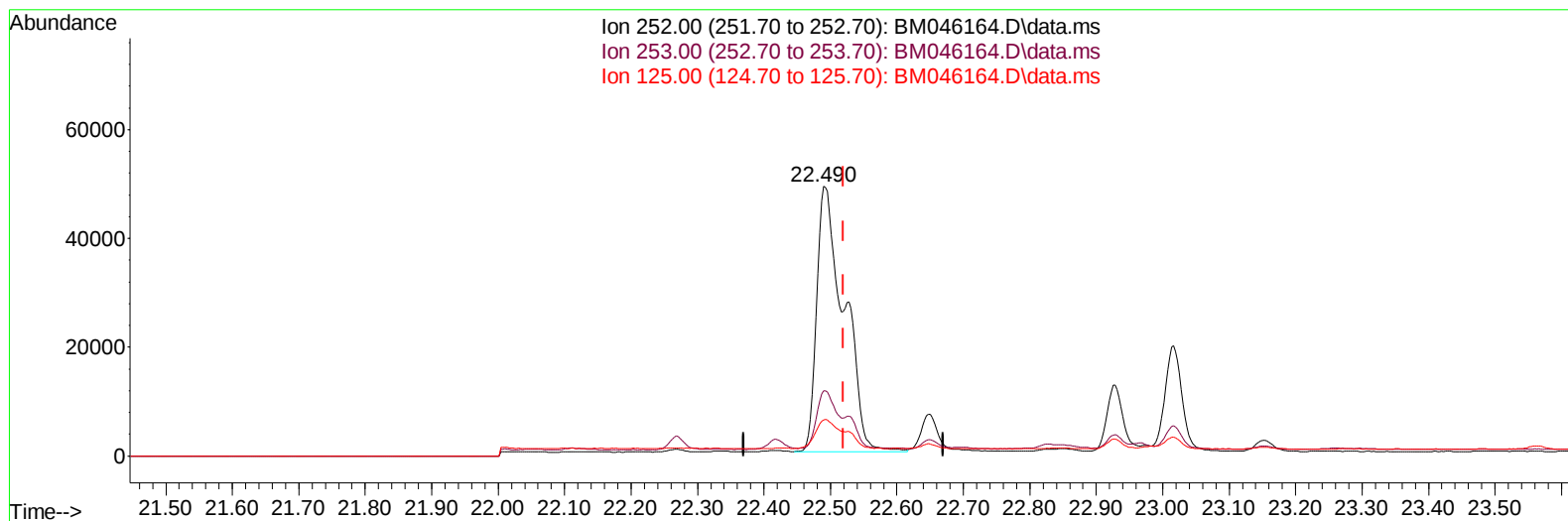
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

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TIC: BM046164.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 5.46 ng/u1

response 139850

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.20
125.00	20.10	13.26
0.00	0.00	0.00

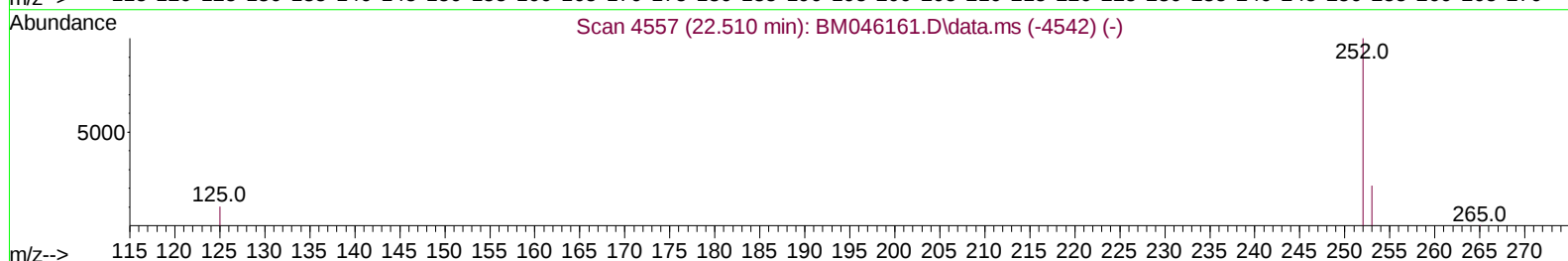
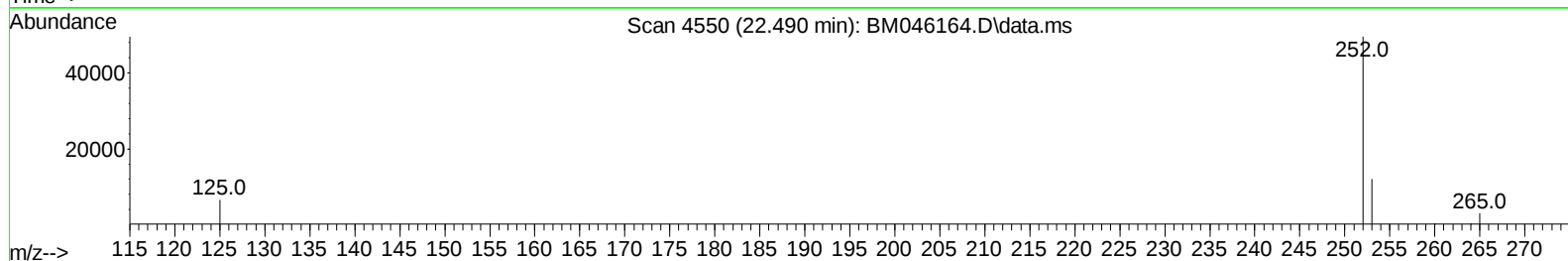
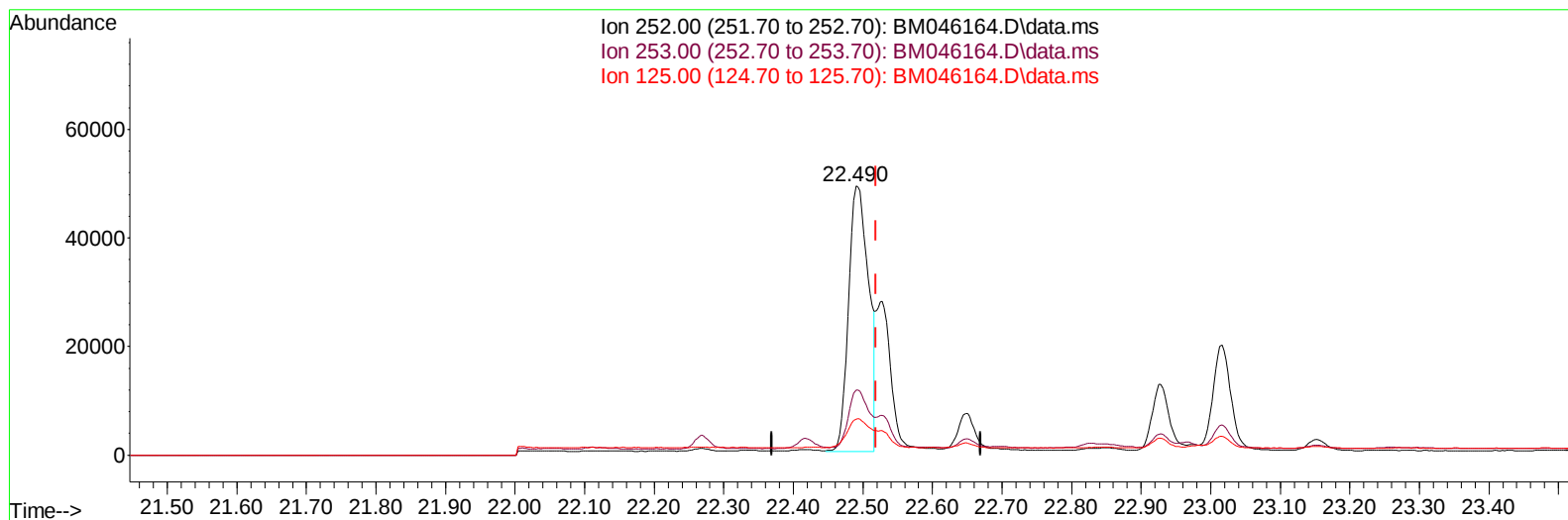
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046164.D
Acq On : 21 Jun 2024 17:37
Operator : MA/JU
Sample : P2754-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 3.86 ng/u1 m

response 98950

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.20
125.00	20.10	13.26
0.00	0.00	0.00

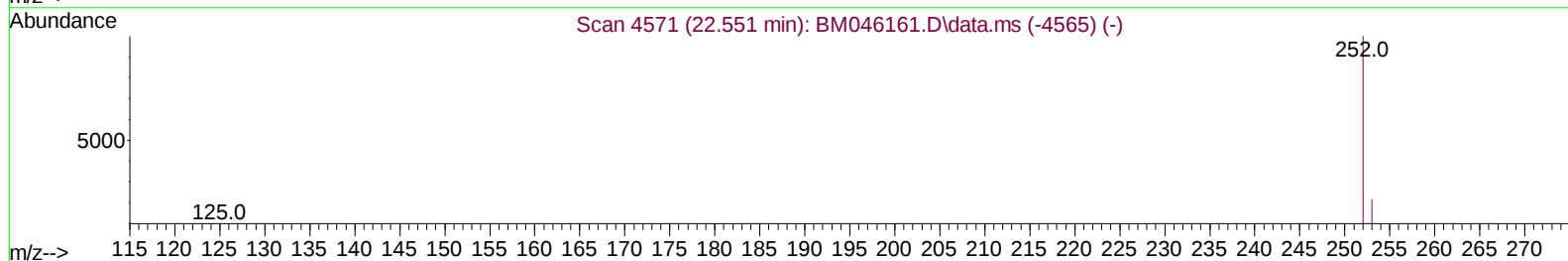
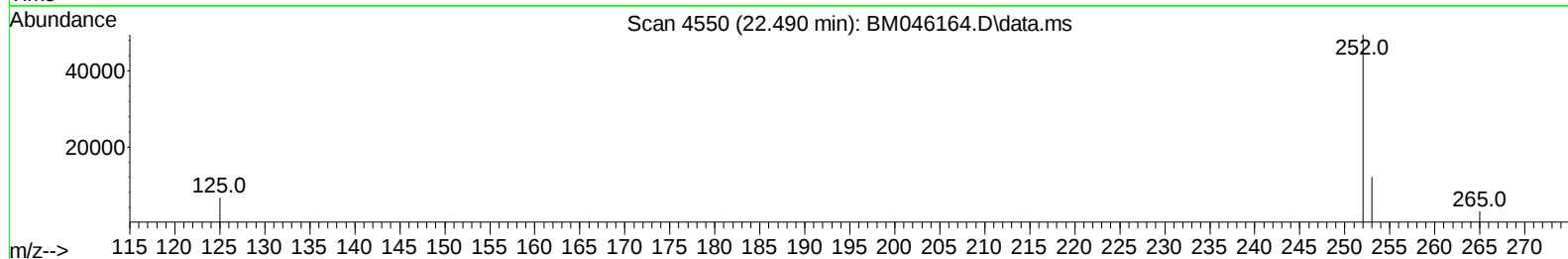
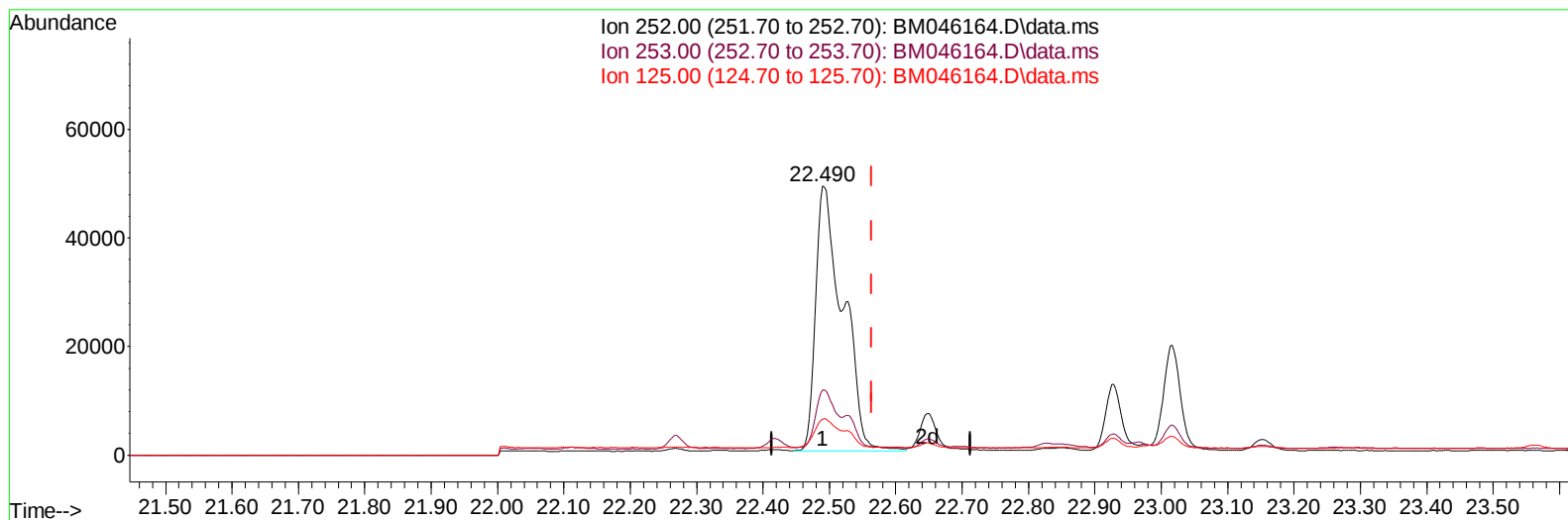
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046164.D
 Acq On : 21 Jun 2024 17:37
 Operator : MA/JU
 Sample : P2754-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP9

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(25) Benzo(k)fluoranthene

22.490min (-0.073) 4.59 ng/u1

response 139850

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.20#
125.00	20.80	13.26#
0.00	0.00	0.00

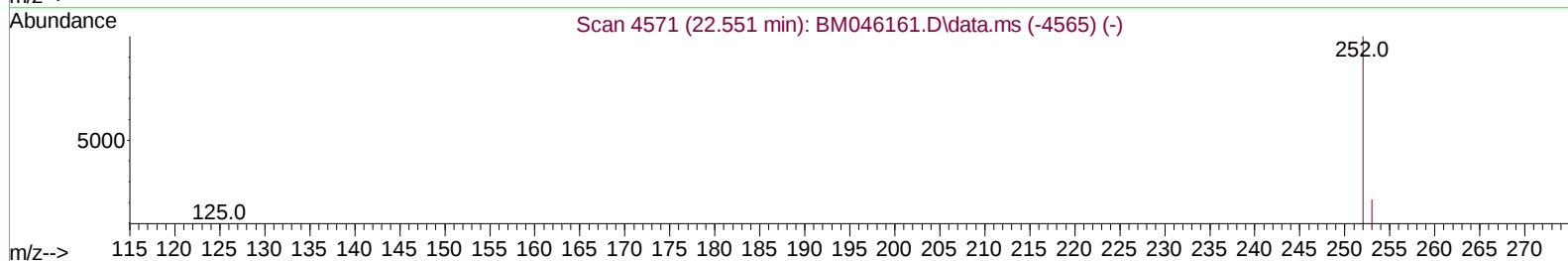
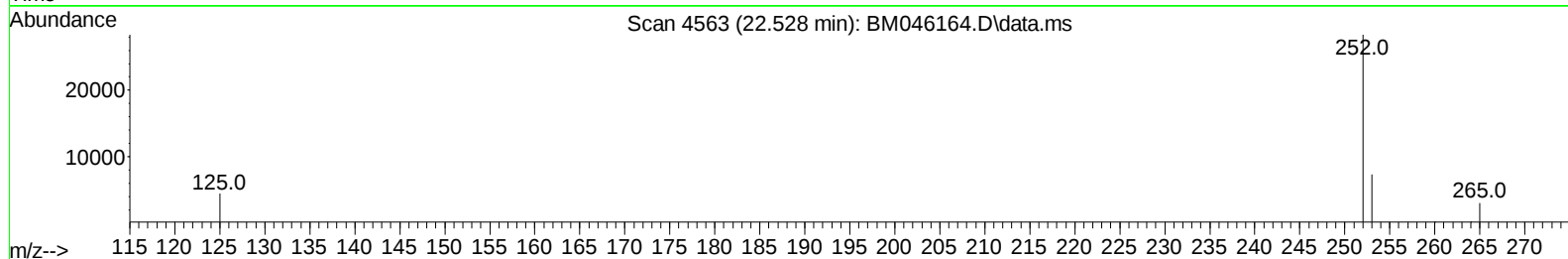
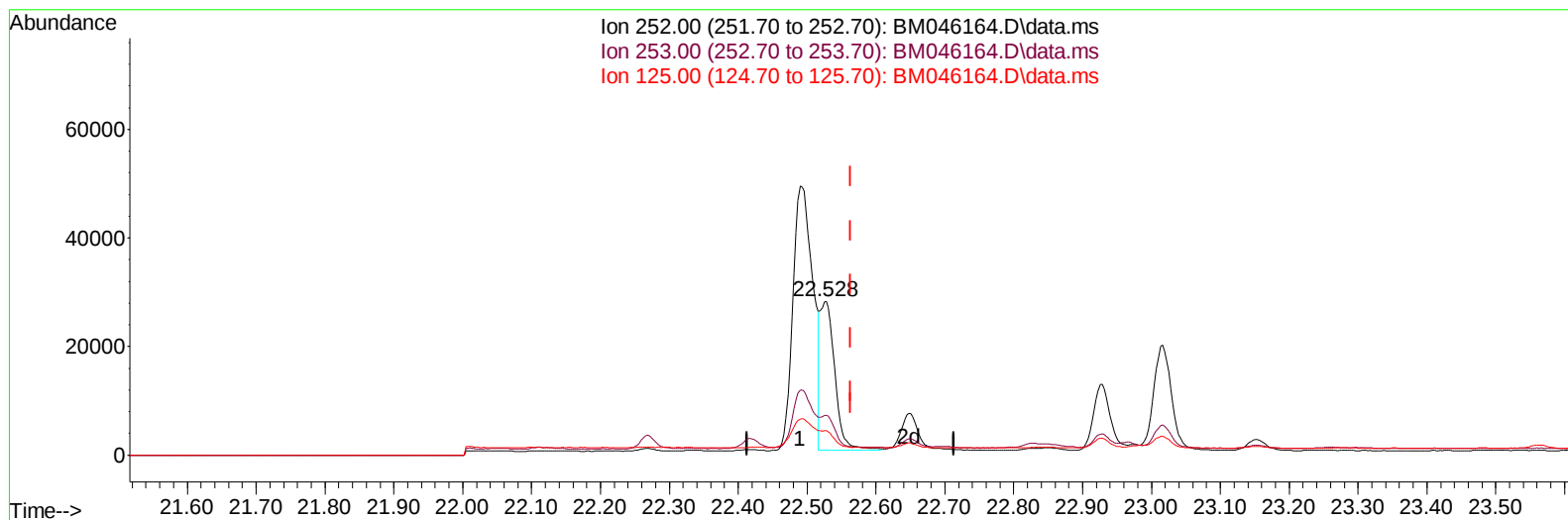
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046164.D
 Acq On : 21 Jun 2024 17:37
 Operator : MA/JU
 Sample : P2754-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 18:07:25 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 :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046164.D\data.ms

(25) Benzo(k)fluoranthene

22.528min (-0.035) 1.35 ng/u1 m

response 41030

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.99#
125.00	20.80	15.75#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.422	152	2184	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.194	136	6350	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164	3477	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.812	188	7999m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.014	240	6510m	0.400	ng/ul	-0.03
23) Perylene-d12	23.110	264	7111m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11655	3.890	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.816	152	2459	0.288	ng/ul	-0.05
18) Fluoranthene-d10	18.844	212	5507	0.282	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.244	128	2019	0.114	ng/ul#	90
7) 2-Methylnaphthalene	11.893	142	647	0.065	ng/ul	98
8) 1-Methylnaphthalene	12.108	142	554	0.051	ng/ul	96
10) Acenaphthylene	13.785	152	3912	0.237	ng/ul#	94
11) Acenaphthene	14.132	153	2659	0.223	ng/ul	98
12) Fluorene	15.122	166	3042	0.238	ng/ul	99
15) Phenanthrene	16.850	178	60499m	2.692	ng/ul	
16) Anthracene	16.943	178	13126m	0.784	ng/ul	
19) Fluoranthene	18.877	202	138269	4.905	ng/ul	96
20) Pyrene	19.239	202	94047	3.085	ng/ul	96
21) Benzo(a)anthracene	20.997	228	63218	2.514	ng/ul	99
22) Chrysene	21.049	228	66439	2.070	ng/ul	99
24) Benzo(b)fluoranthene	22.490	252	98950m	3.862	ng/ul	
25) Benzo(k)fluoranthene	22.528	252	41030m	1.347	ng/ul	
26) Benzo(a)pyrene	23.016	252	34939	1.472	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.155	276	38187	0.983	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.158	278	12072	0.417	ng/ul	96
29) Benzo(g,h,i)perylene	25.779	276	5302	0.159	ng/ul#	81

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

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