

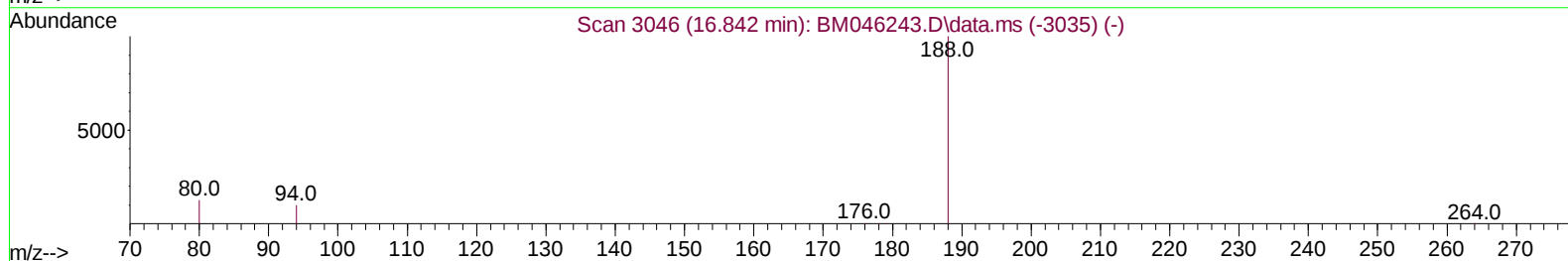
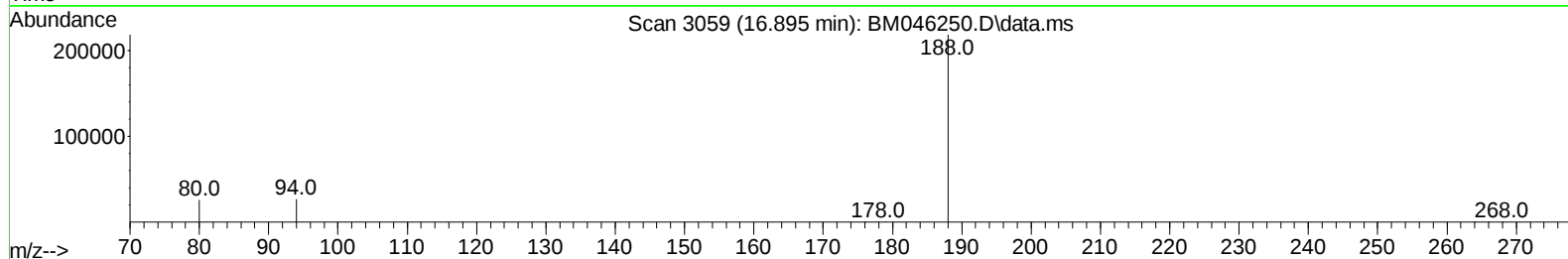
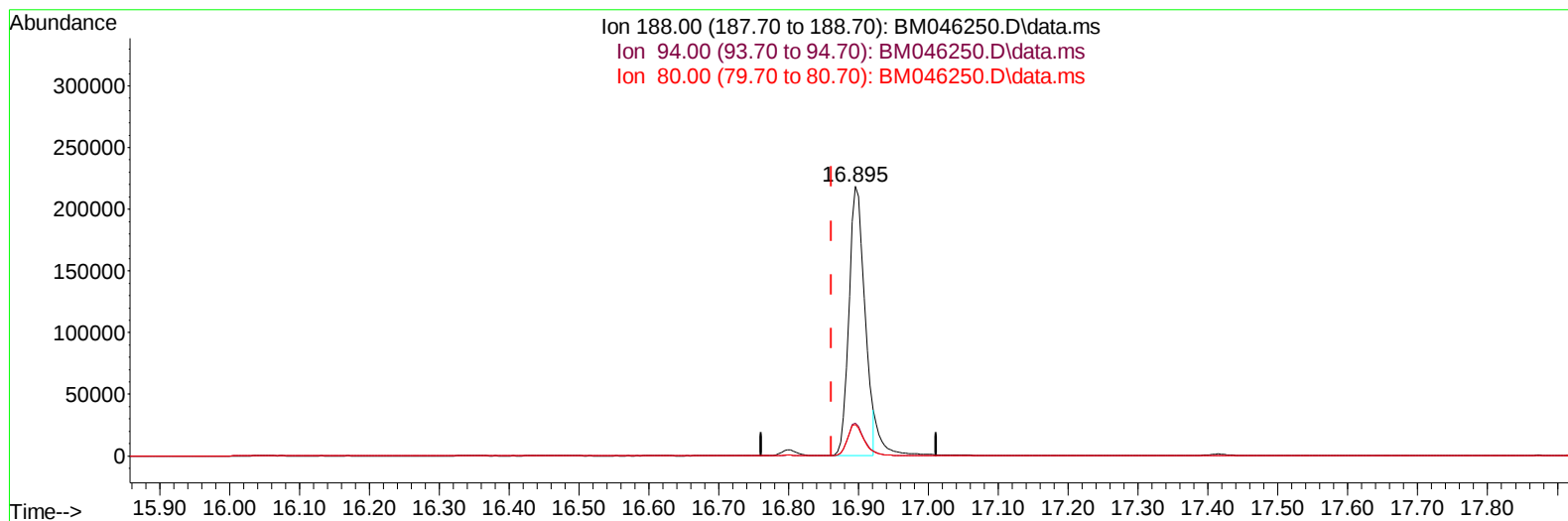
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration



TIC: BM046250.D\data.ms

(13) Phenanthrene-d10 (I)**16.895min (+ 0.034) 0.40 ng/u1****response 340446**

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.20
80.00	15.20	11.75#
0.00	0.00	0.00

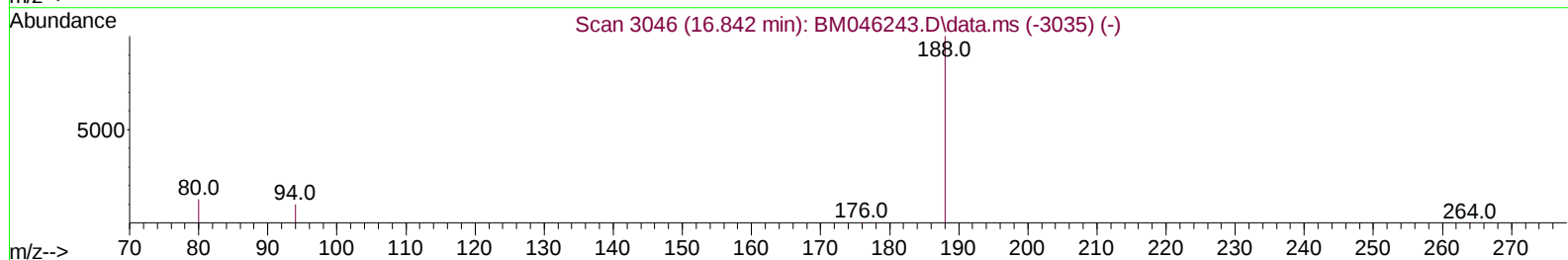
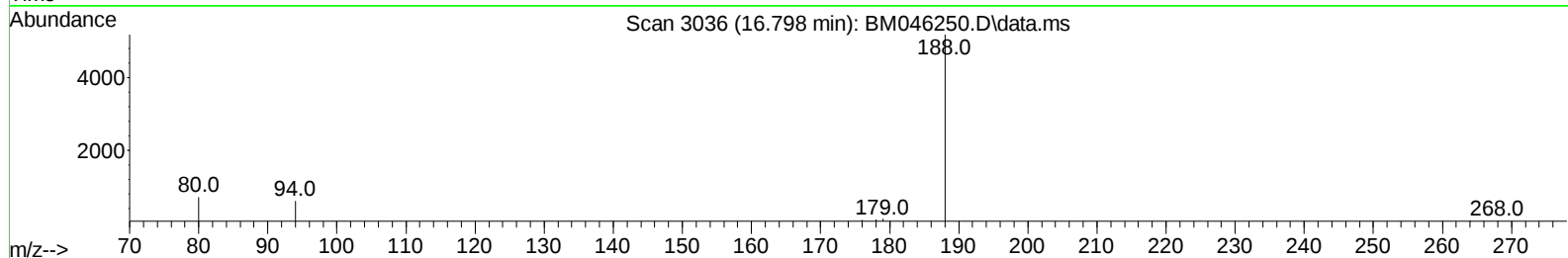
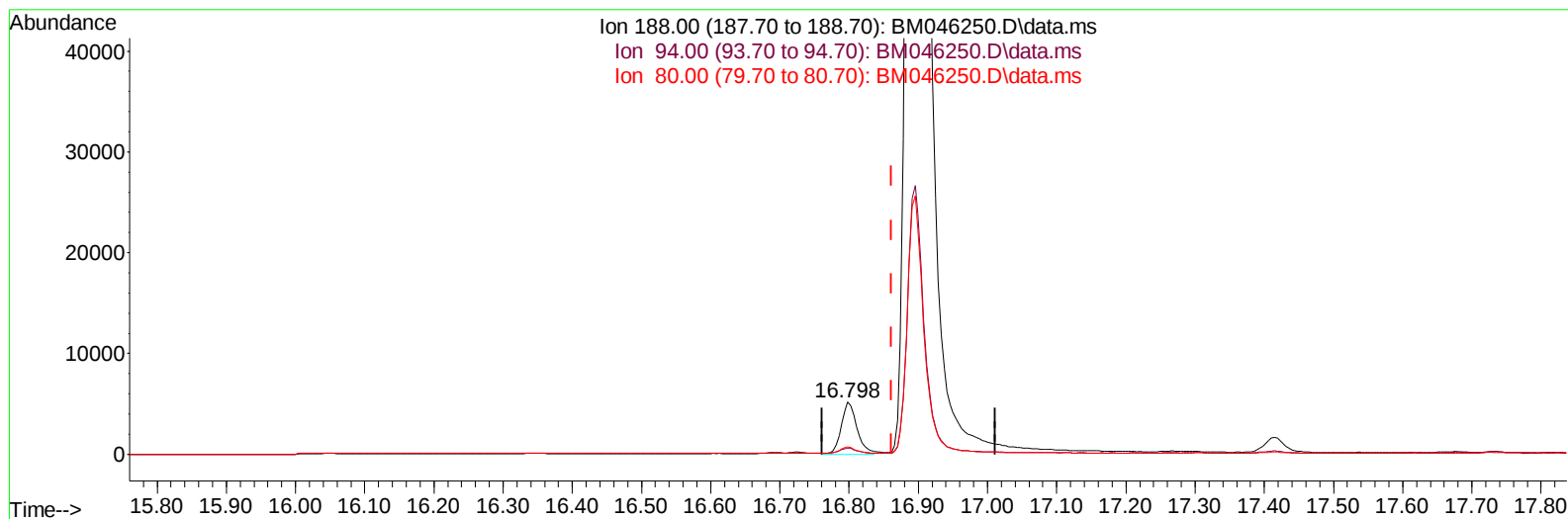
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(13) Phenanthrene-d10 (I)

16.798min (-0.063) 0.40 ng/u1 m

response 8147

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.92
80.00	15.20	13.77
0.00	0.00	0.00

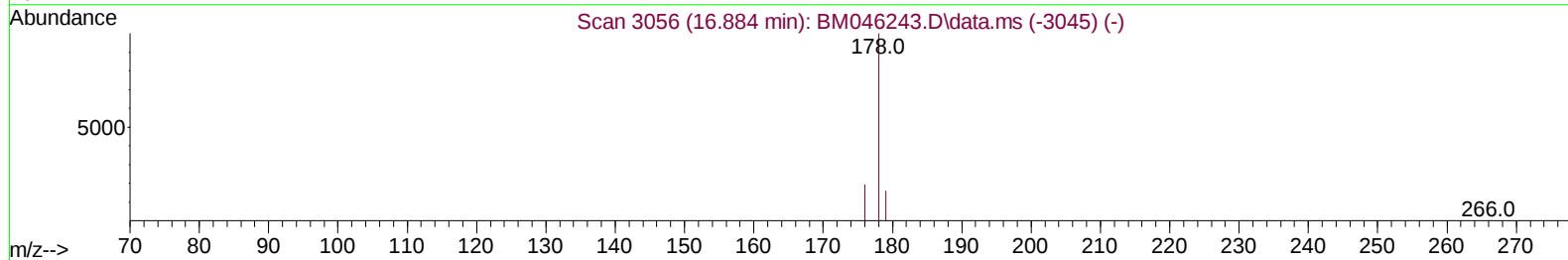
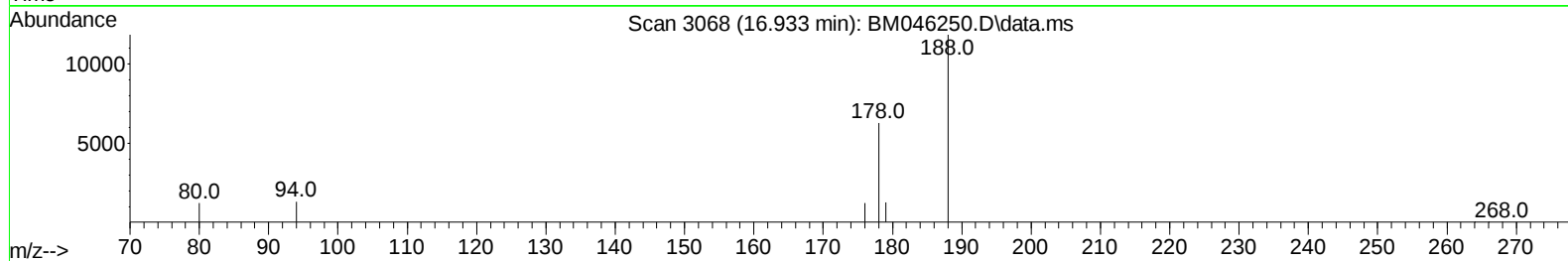
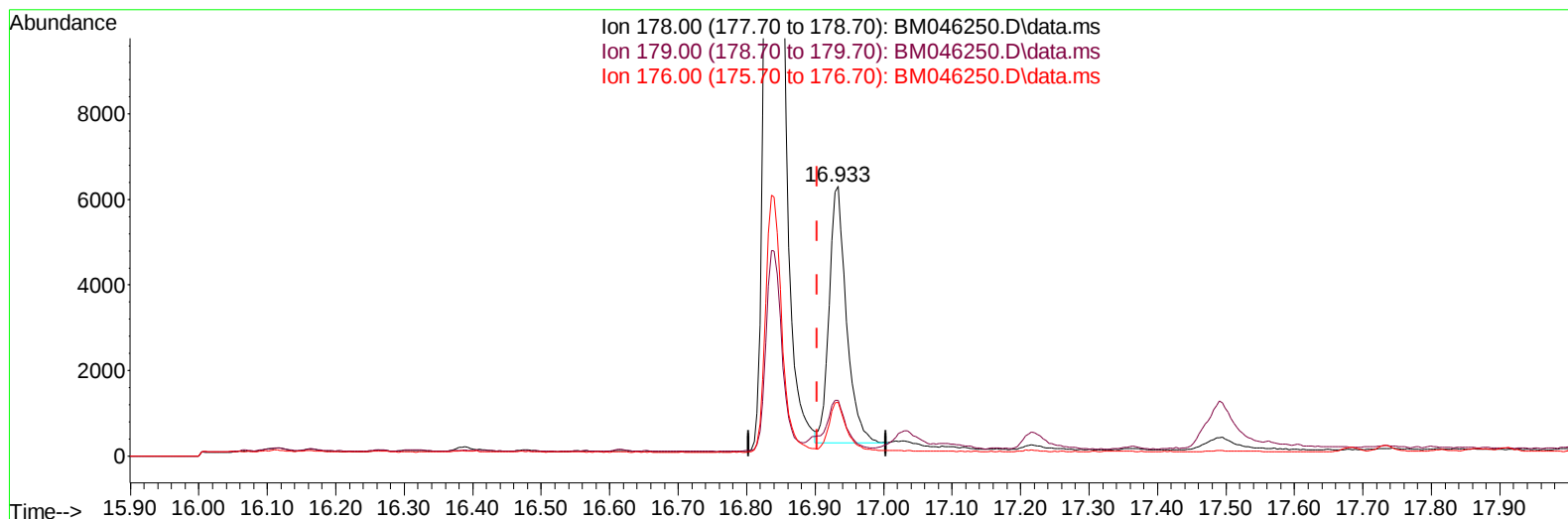
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
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Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(15) Phenanthrene

16.933min (+ 0.030) 0.46 ng/u1

response 10469

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	20.61
176.00	21.40	19.97
0.00	0.00	0.00

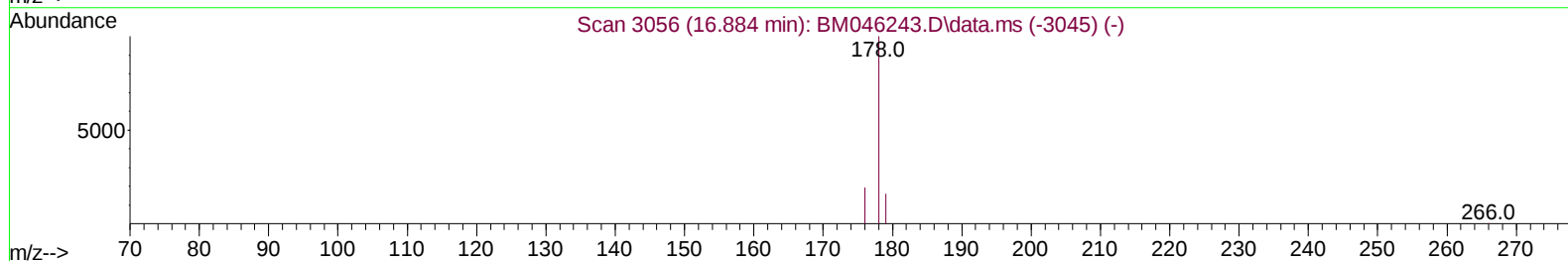
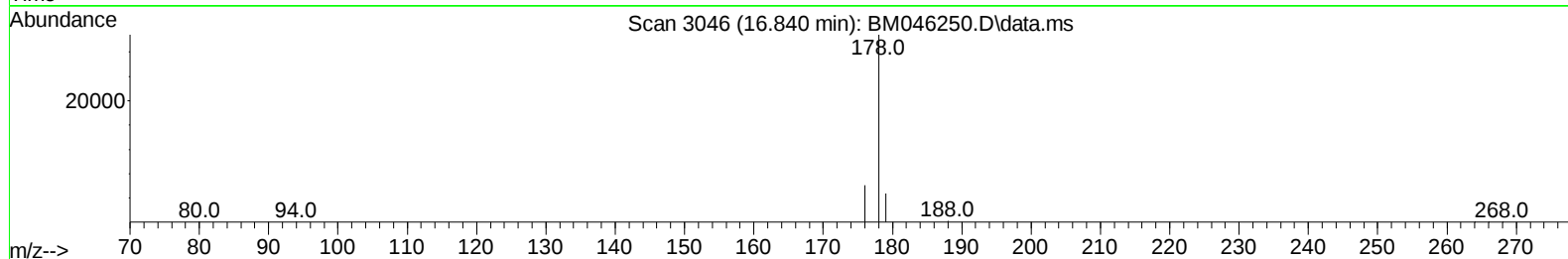
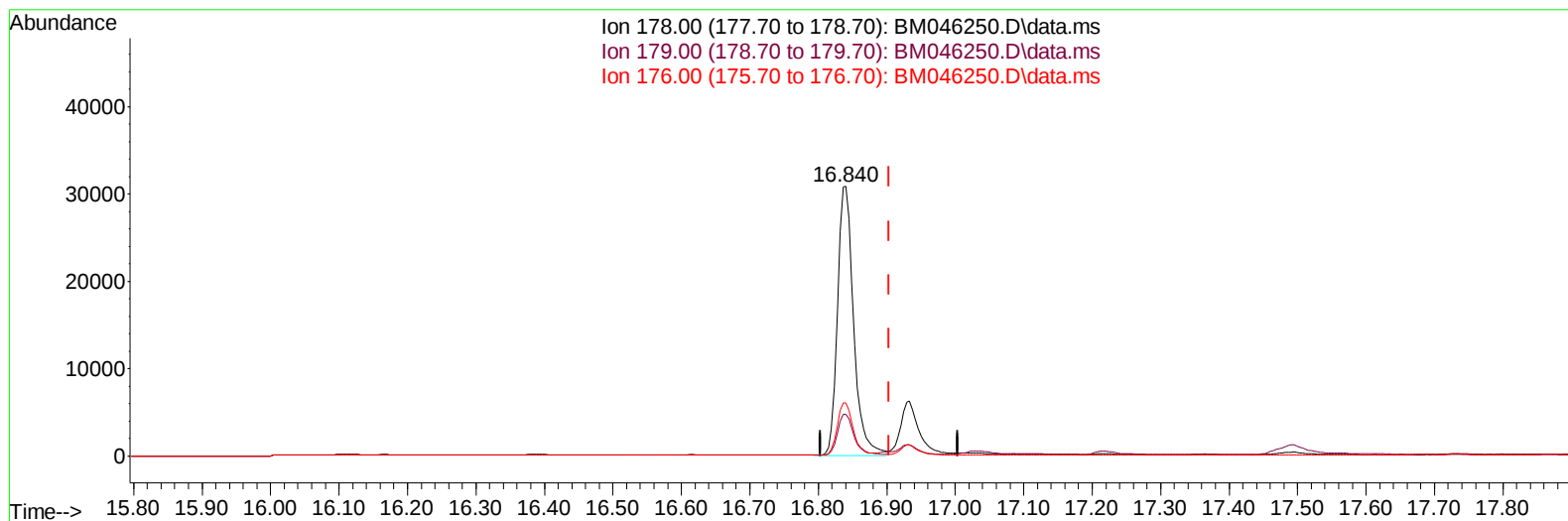
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(15) Phenanthrene

16.840min (-0.063) 2.21 ng/ul m

response 50512

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.53
176.00	21.40	19.64
0.00	0.00	0.00

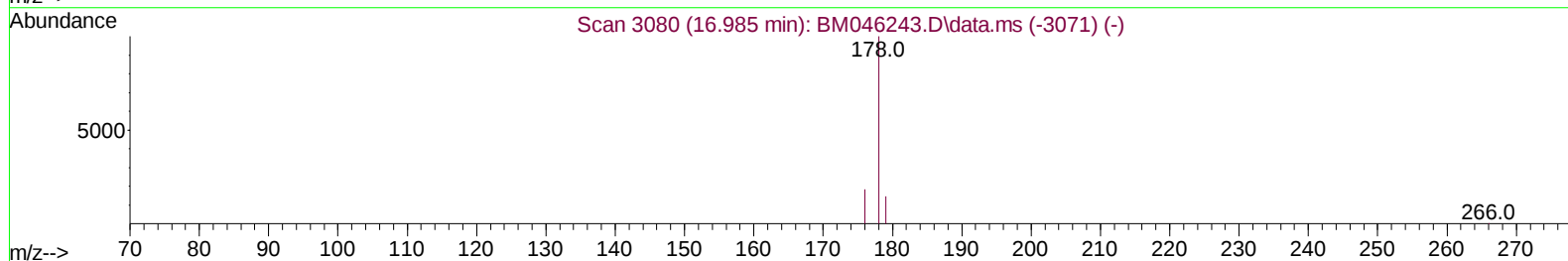
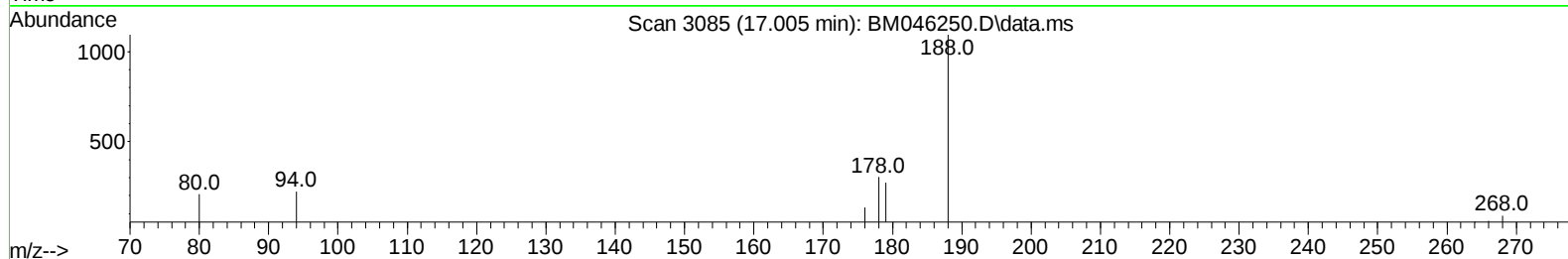
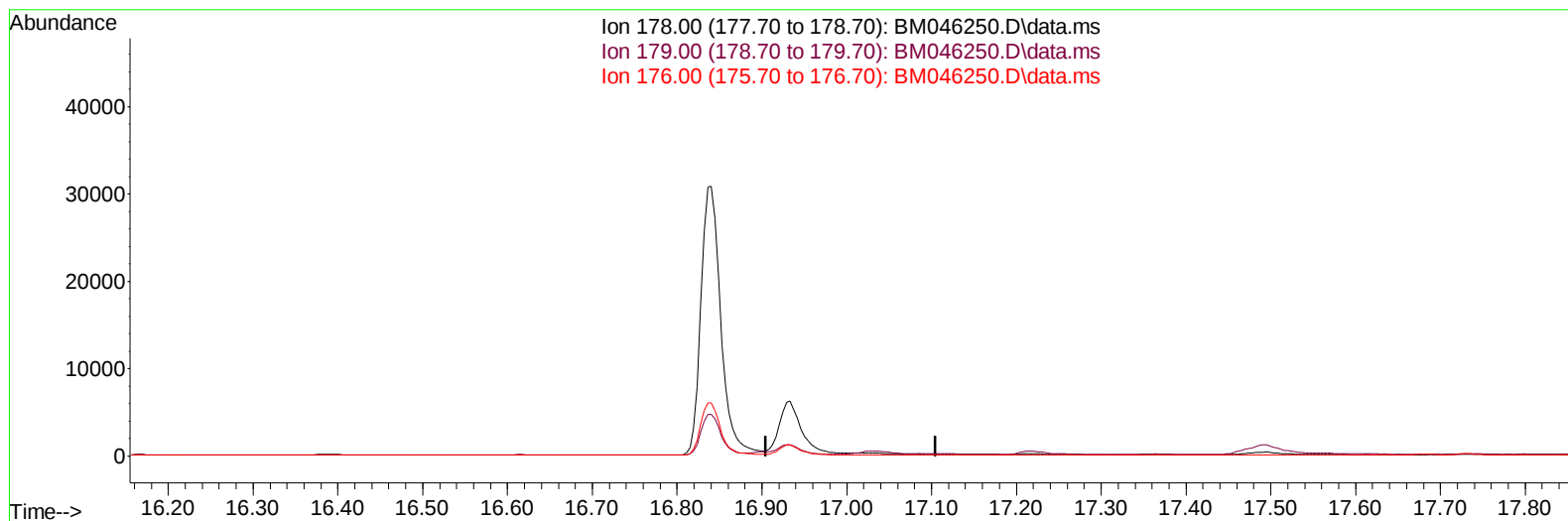
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 2024
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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.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

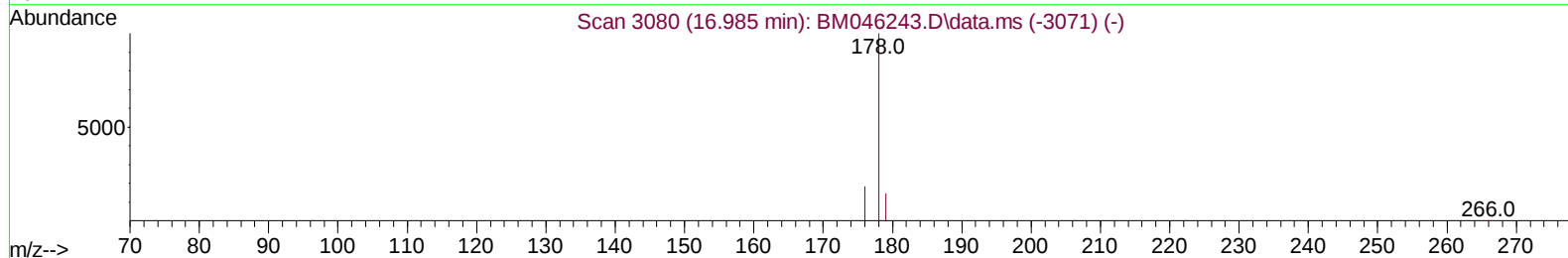
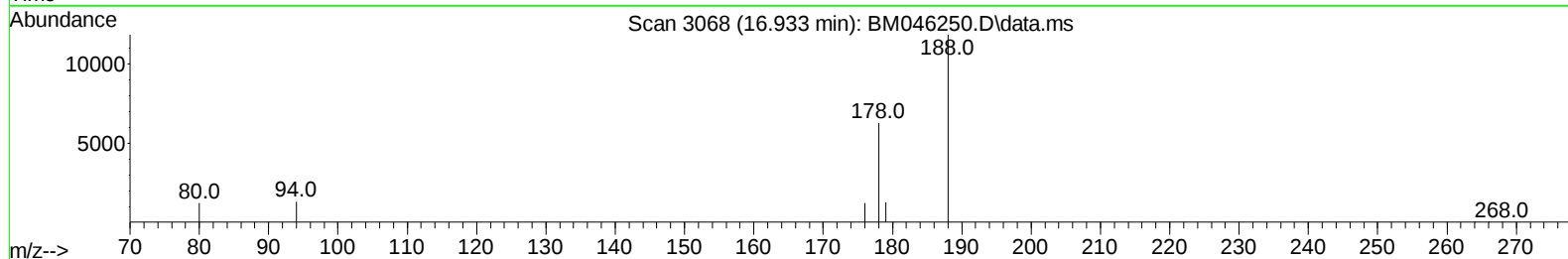
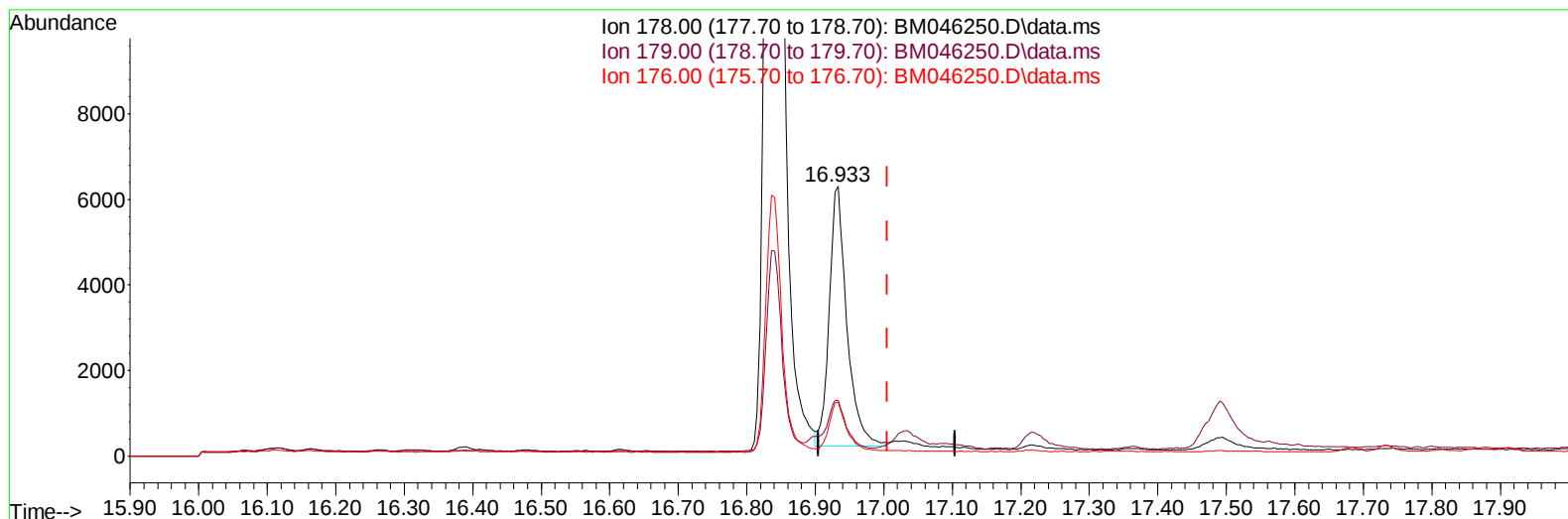
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 06/27/2024



TIC: BM046250.D\data.ms

(16) Anthracene

16.933min (-0.072) 0.64 ng/u1 m

response 10874

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	20.61
176.00	21.20	19.97
0.00	0.00	0.00

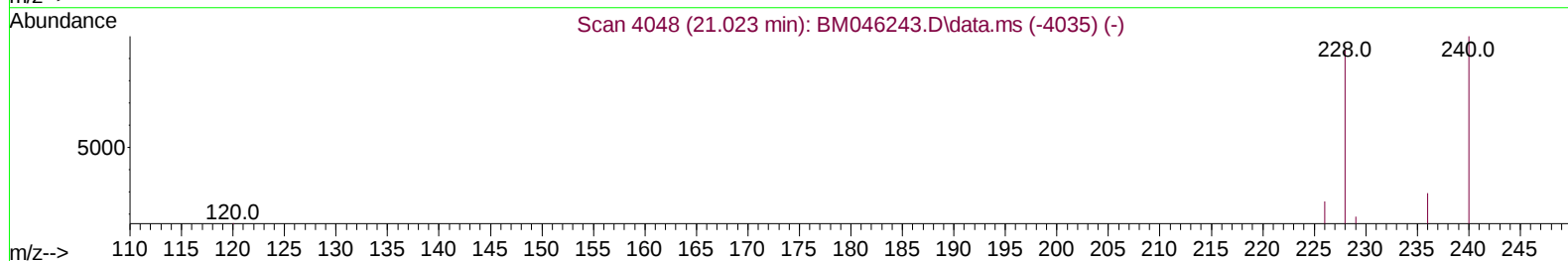
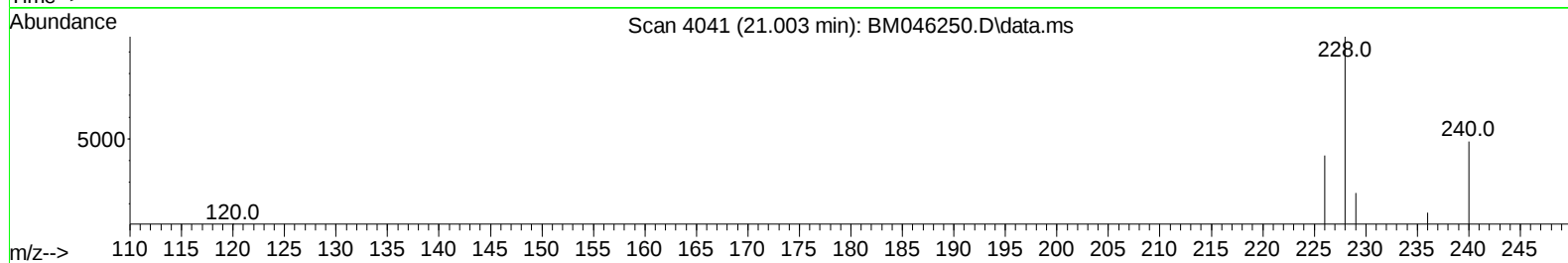
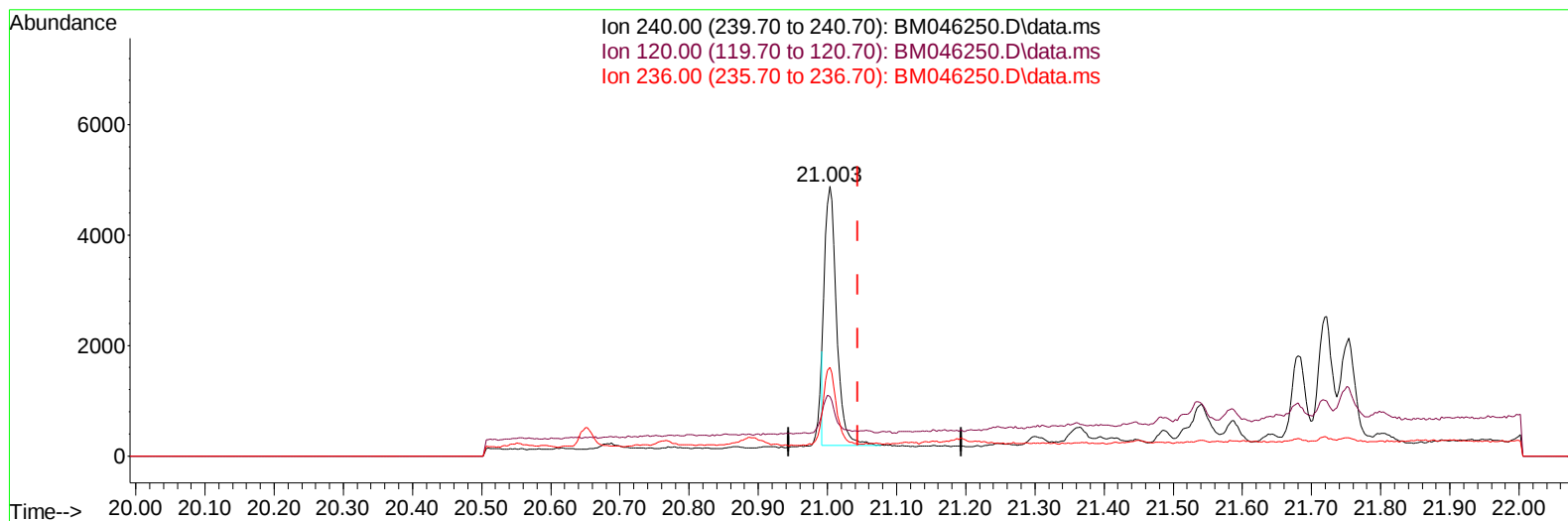
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(17) Chrysene-d12

21.003min (-0.041) 0.40 ng/u1

response 5615

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.03
236.00	33.60	33.02
0.00	0.00	0.00

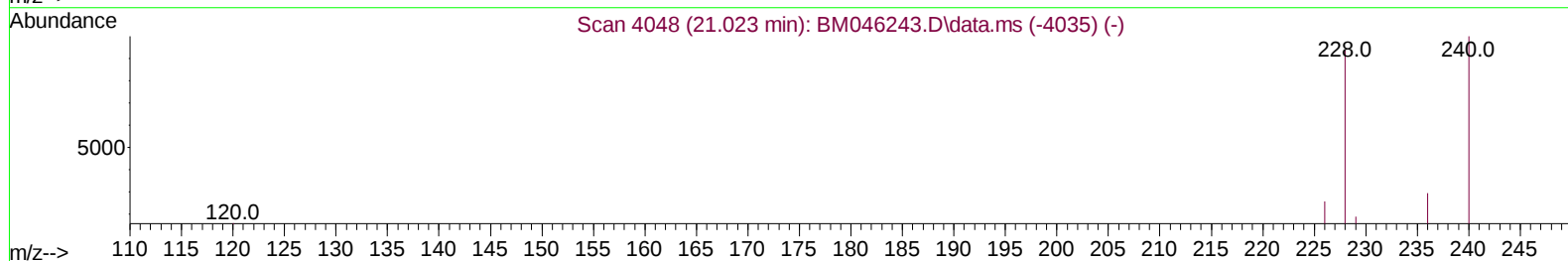
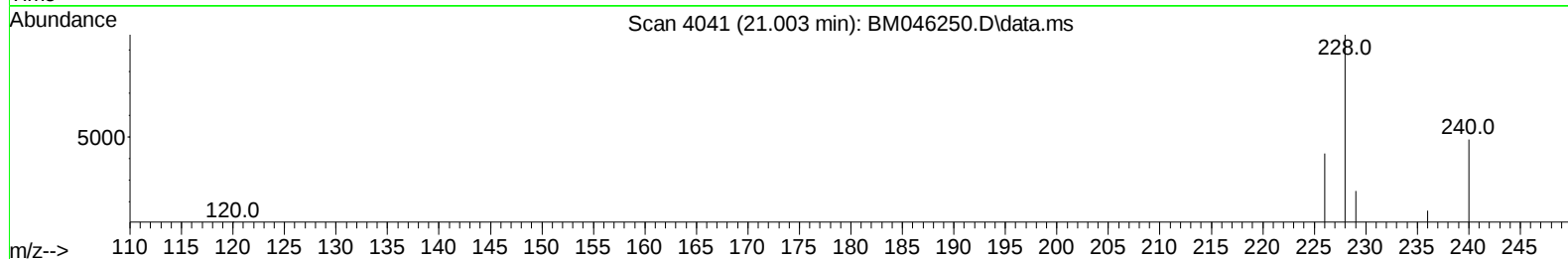
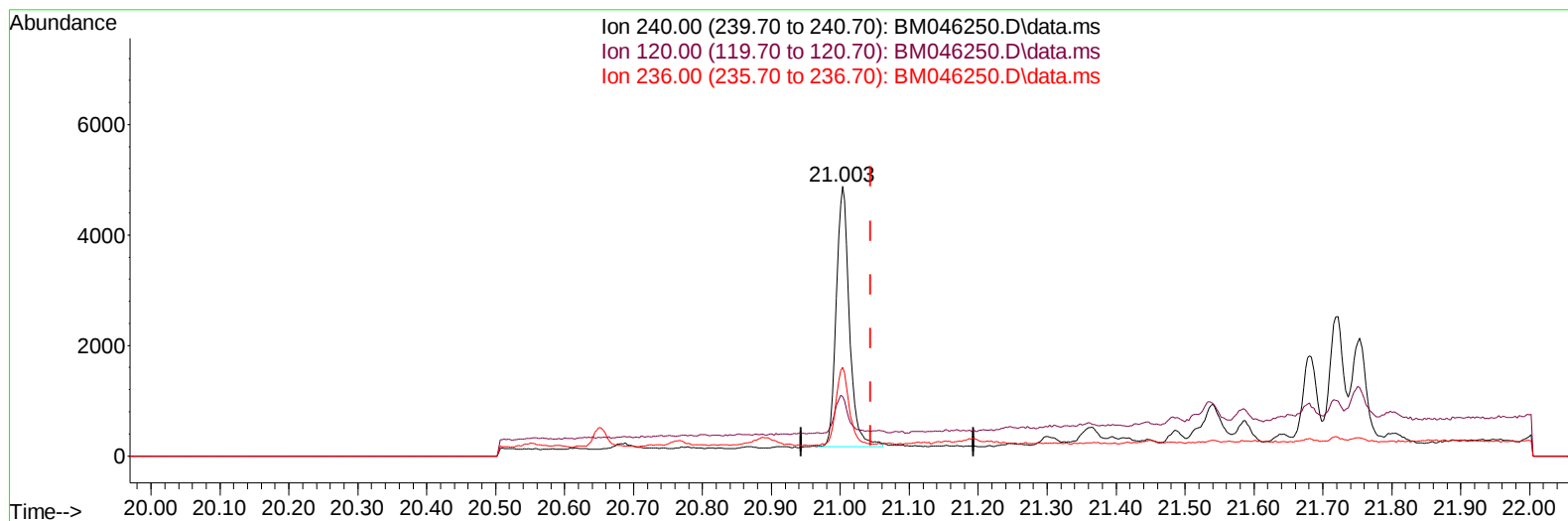
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(17) Chrysene-d12

21.003min (-0.041) 0.40 ng/ul m

response 6279

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.03
236.00	33.60	33.02
0.00	0.00	0.00

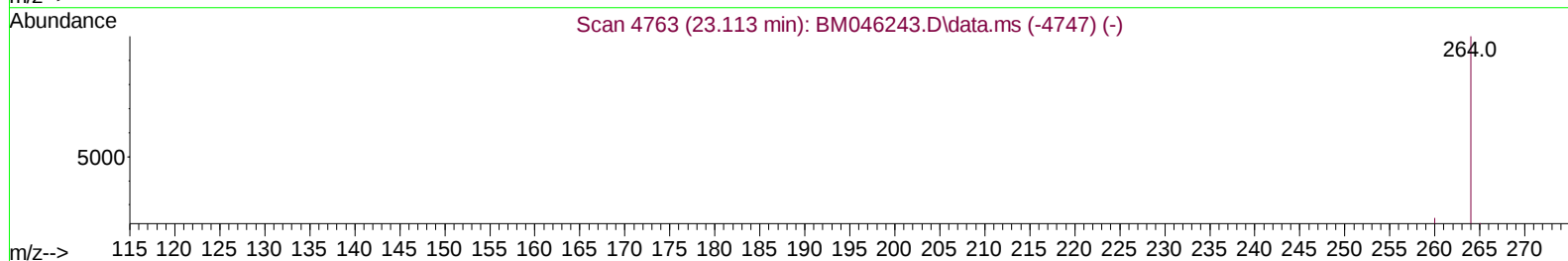
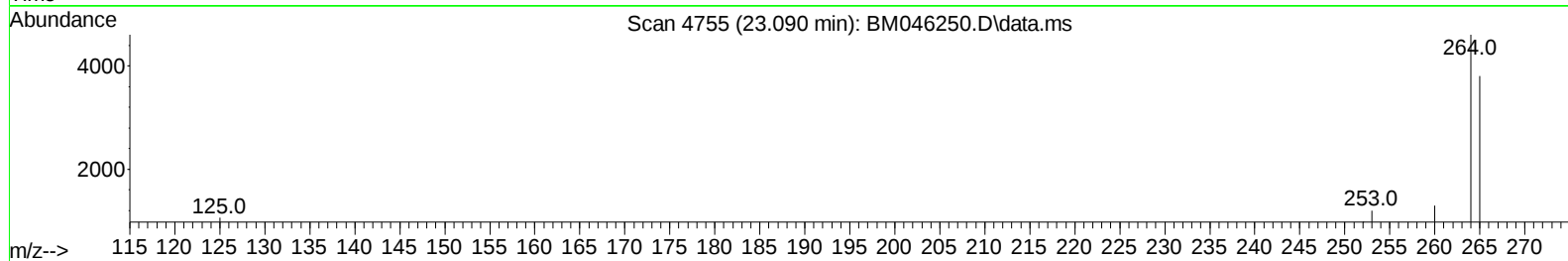
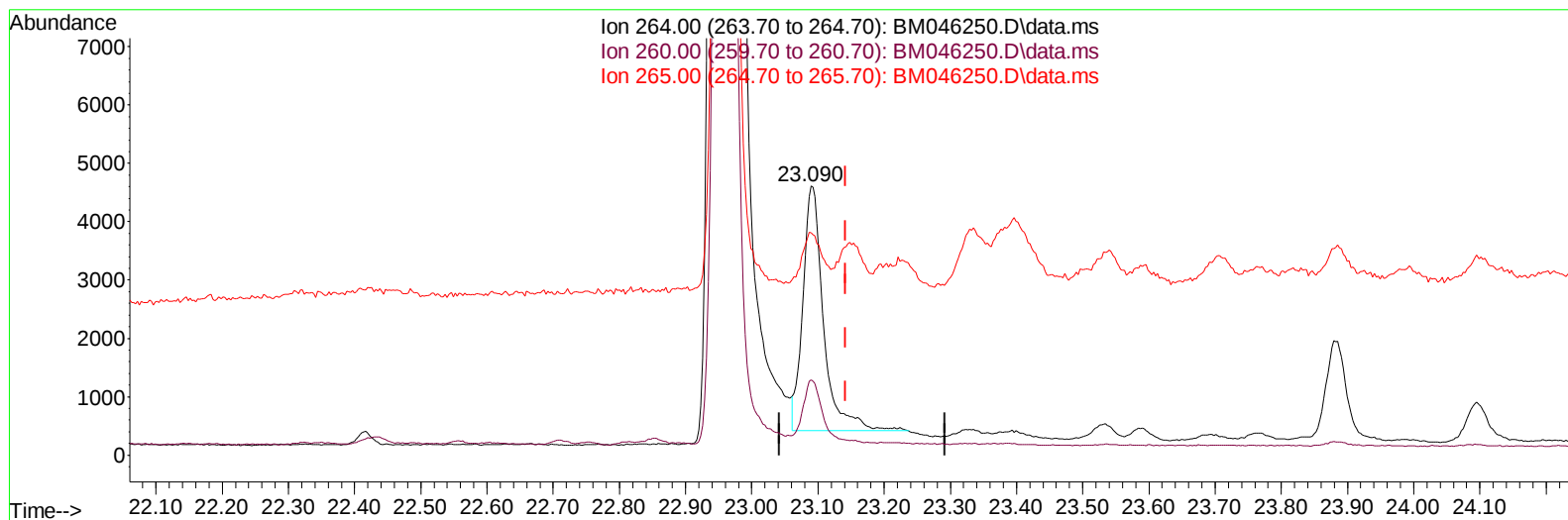
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(23) Perylene-d12 (I)

23.090min (-0.053) 0.40 ng/u1

response 9179

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.97
265.00	110.60	82.56#
0.00	0.00	0.00

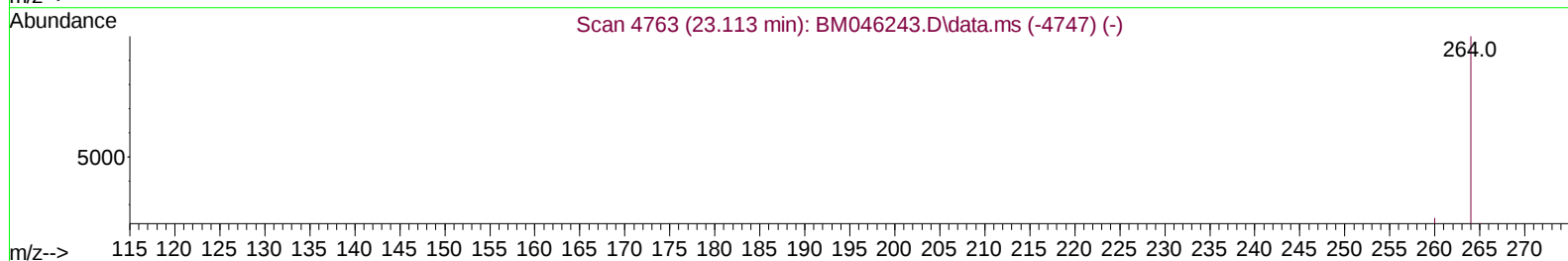
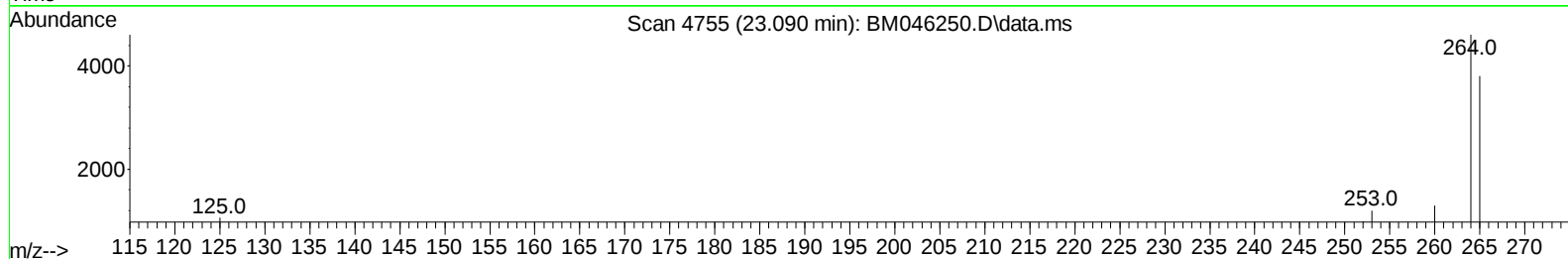
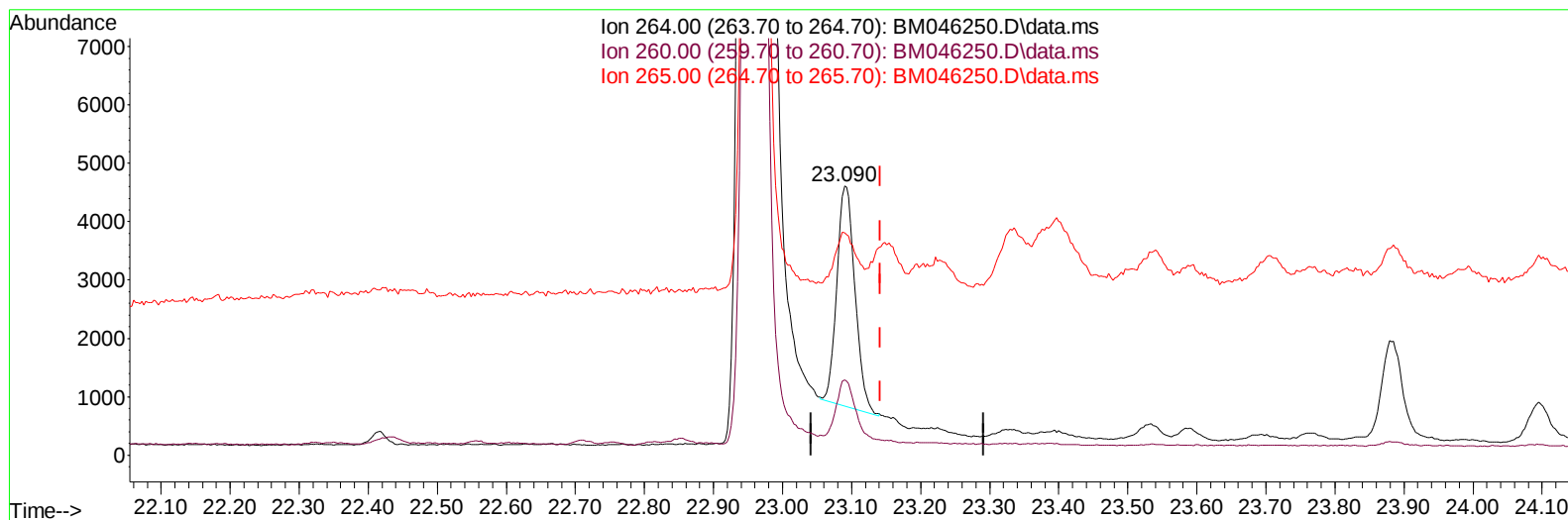
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(23) Perylene-d12 (I)

23.090min (-0.053) 0.40 ng/u1 m

response 6843

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.97
265.00	110.60	82.56#
0.00	0.00	0.00

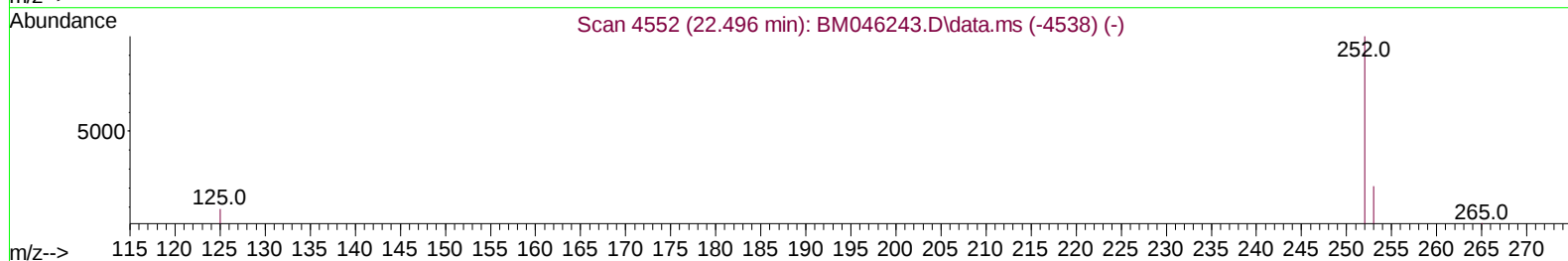
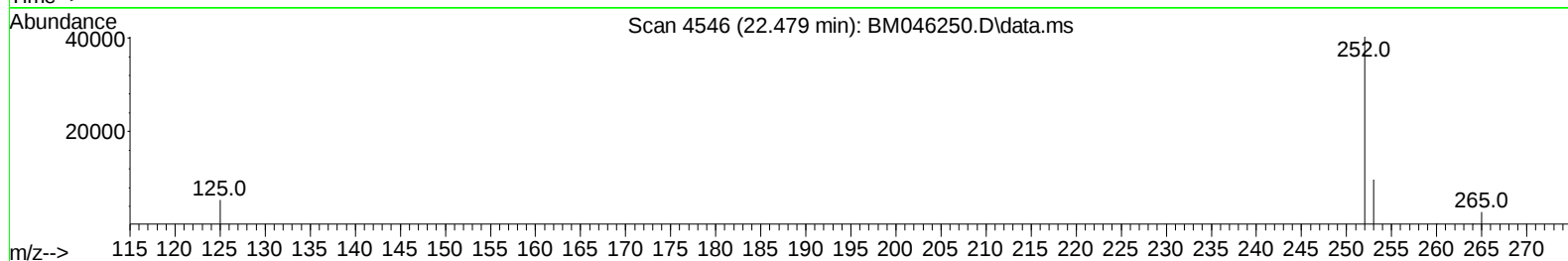
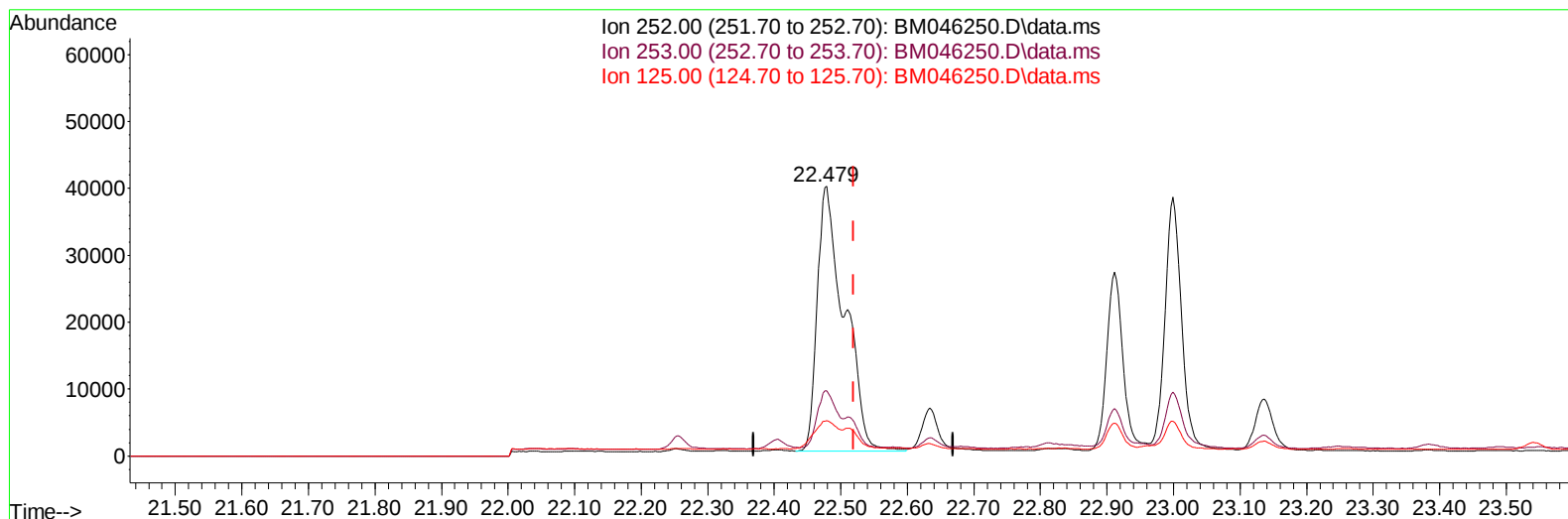
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(24) Benzo(b)fluoranthene

22.479min (-0.041) 4.53 ng/u1

response 111583

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.12
125.00	20.10	13.12
0.00	0.00	0.00

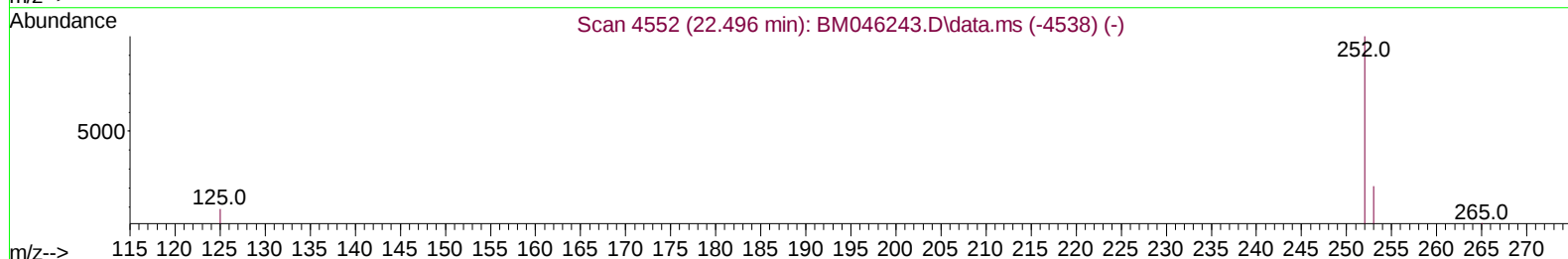
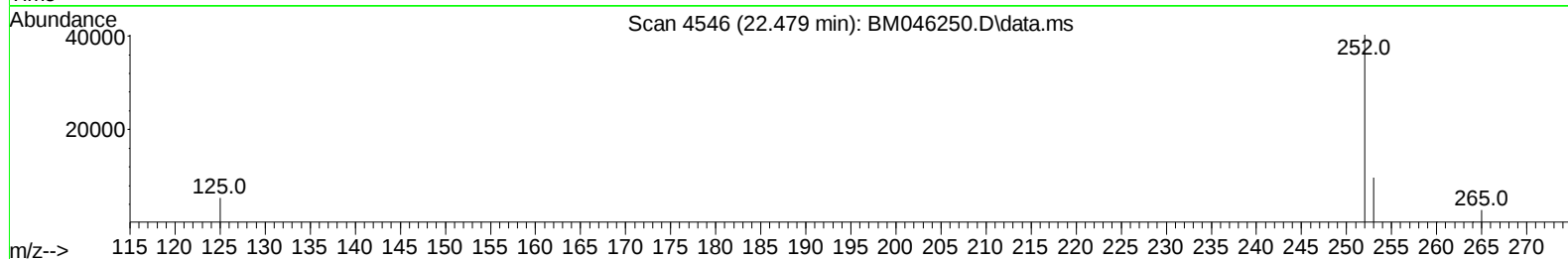
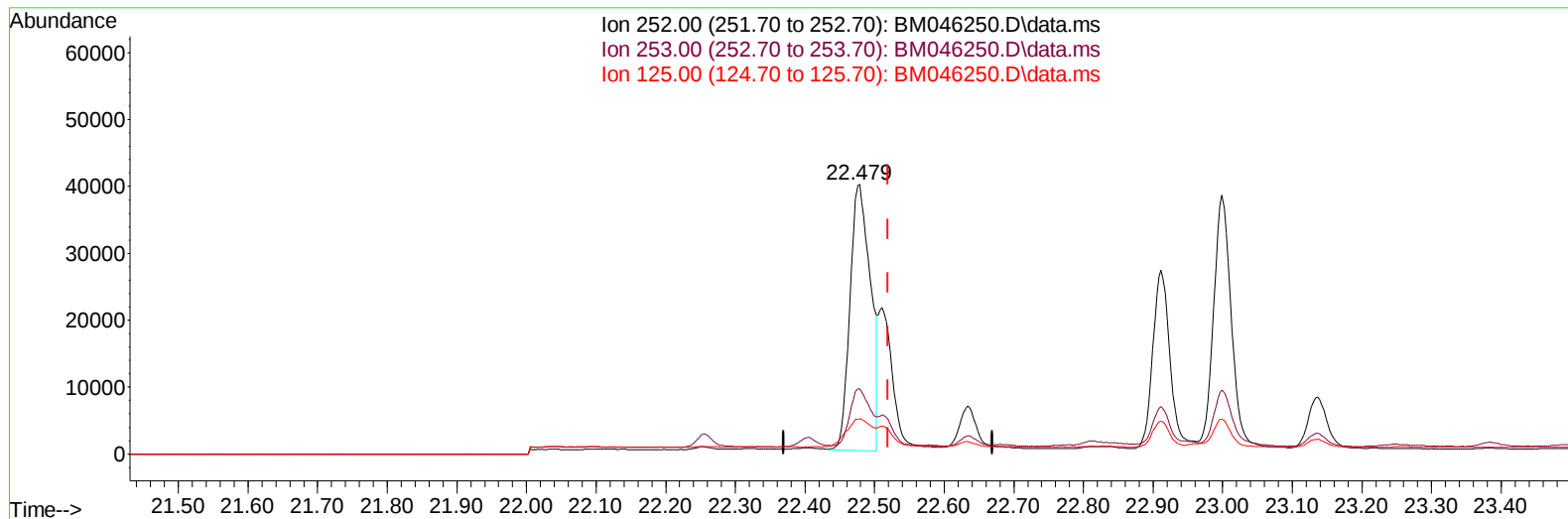
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(24) Benzo(b)fluoranthene

22.479min (-0.041) 3.28 ng/u1 m

response 80891

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.12
125.00	20.10	13.12
0.00	0.00	0.00

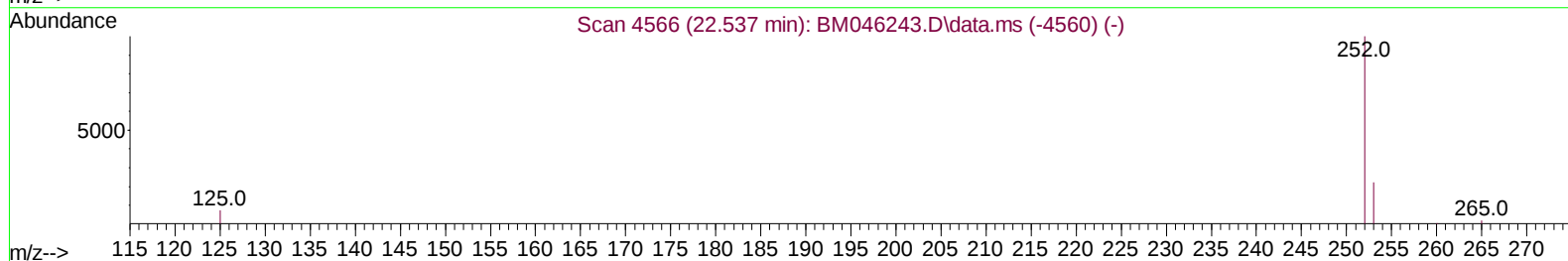
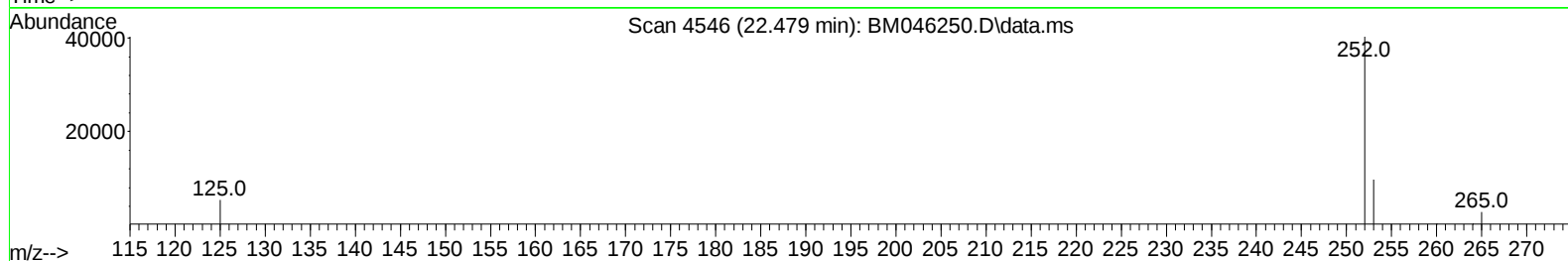
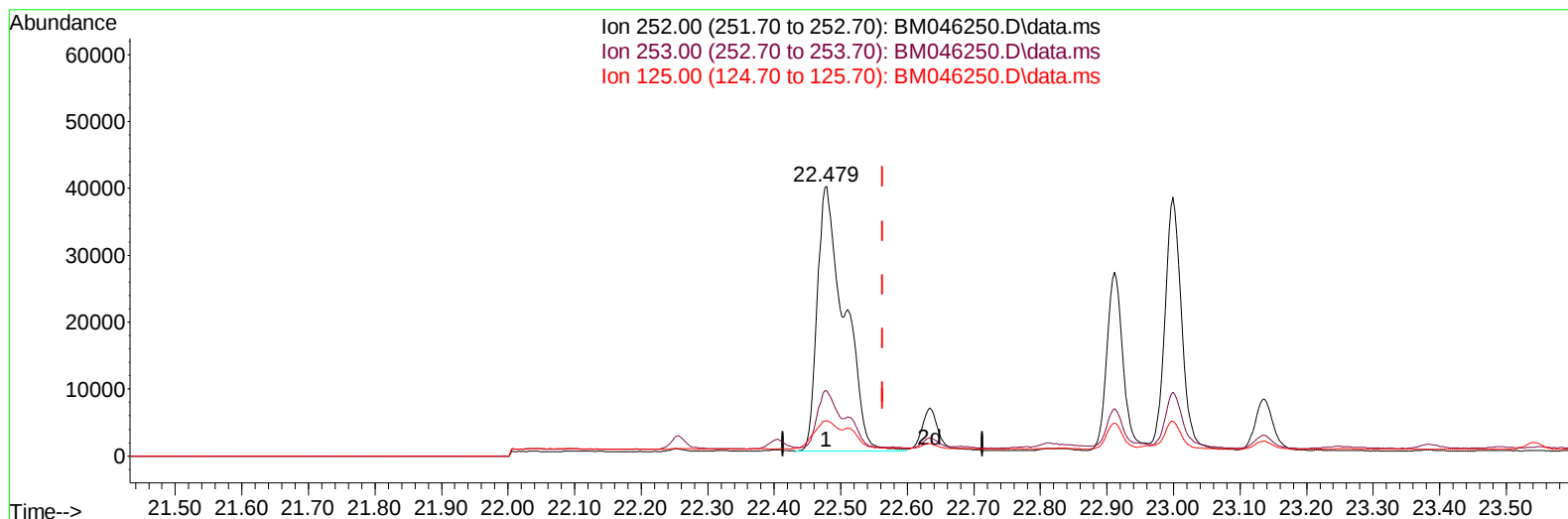
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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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Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(25) Benzo(k)fluoranthene

22.479min (-0.085) 3.81 ng/u1

response 111583

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.12#
125.00	20.80	13.12#
0.00	0.00	0.00

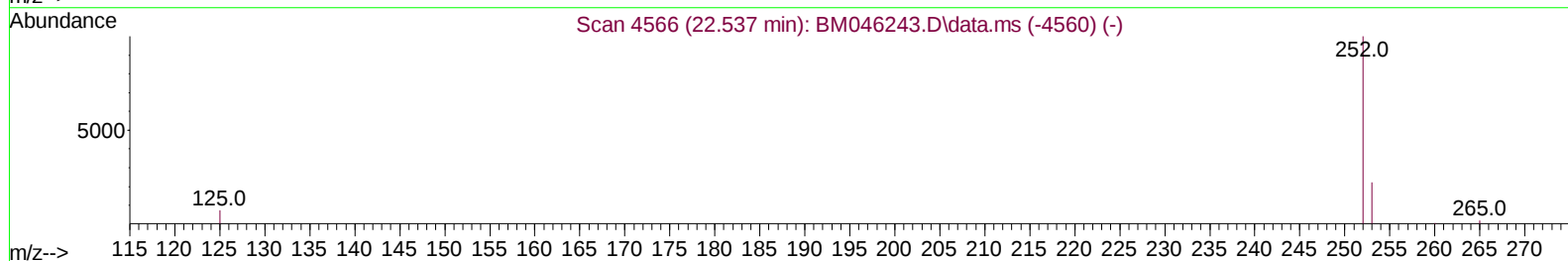
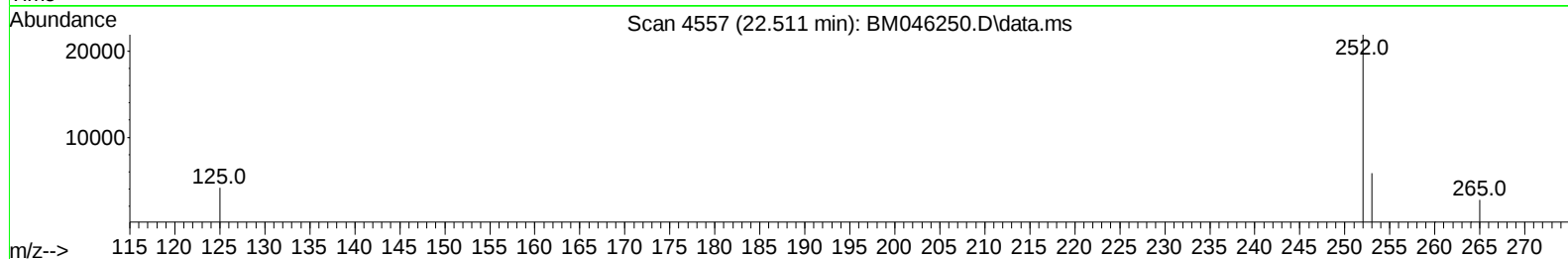
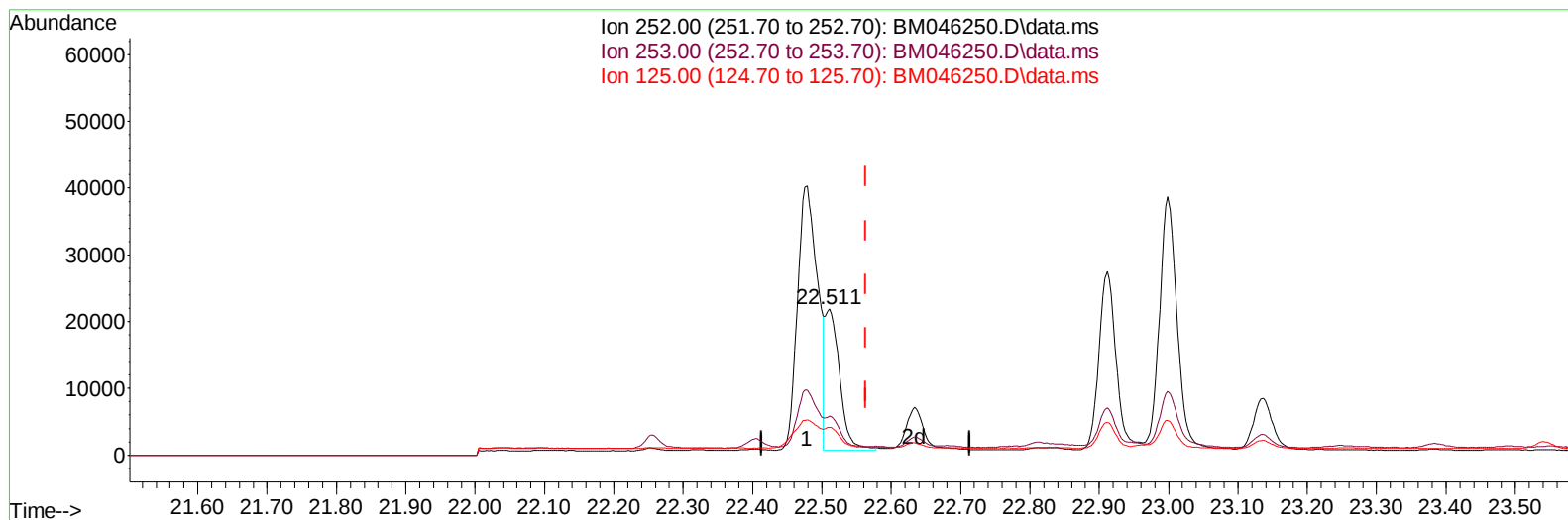
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046250.D\data.ms

(25) Benzo(k)fluoranthene

22.511min (-0.053) 1.06 ng/u1 m

response 31032

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	26.57#
125.00	20.80	18.90
0.00	0.00	0.00

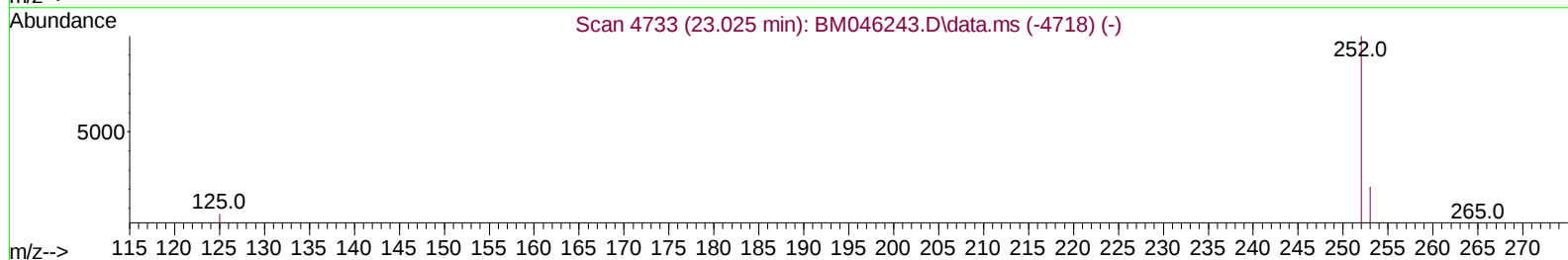
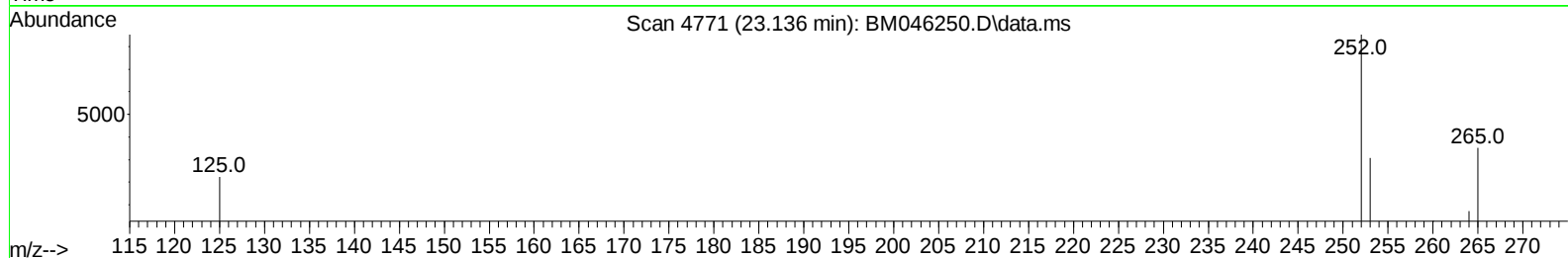
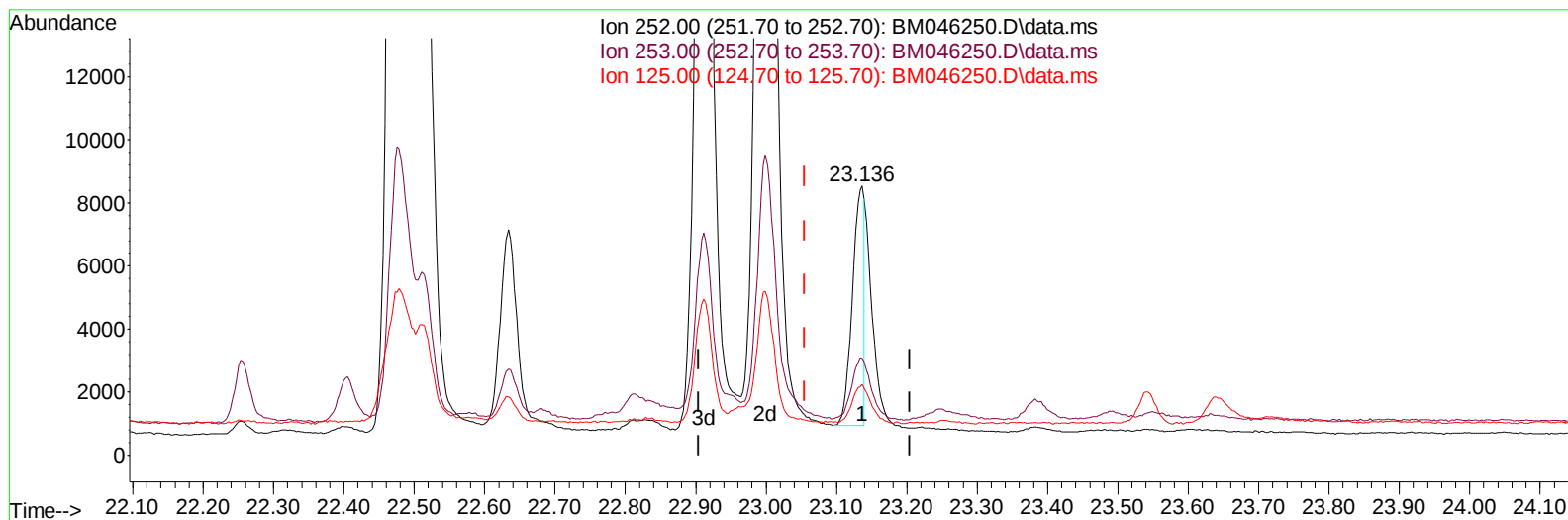
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046250.D\data.ms

(26) Benzo(a)pyrene (C)

23.136min (+ 0.082) 0.39 ng/u1

response 8947

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	36.04
125.00	26.50	26.22
0.00	0.00	0.00

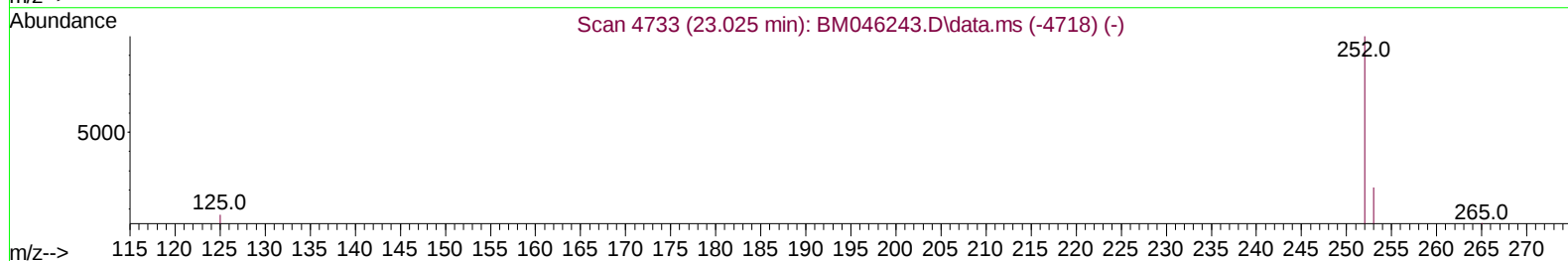
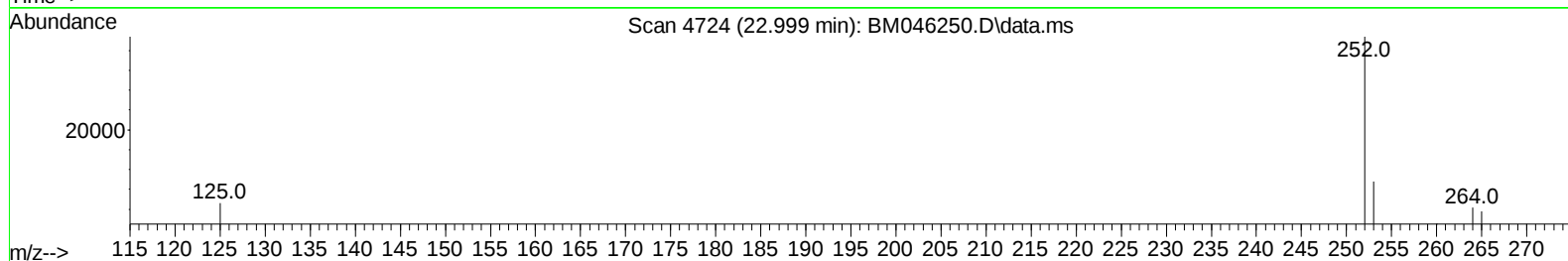
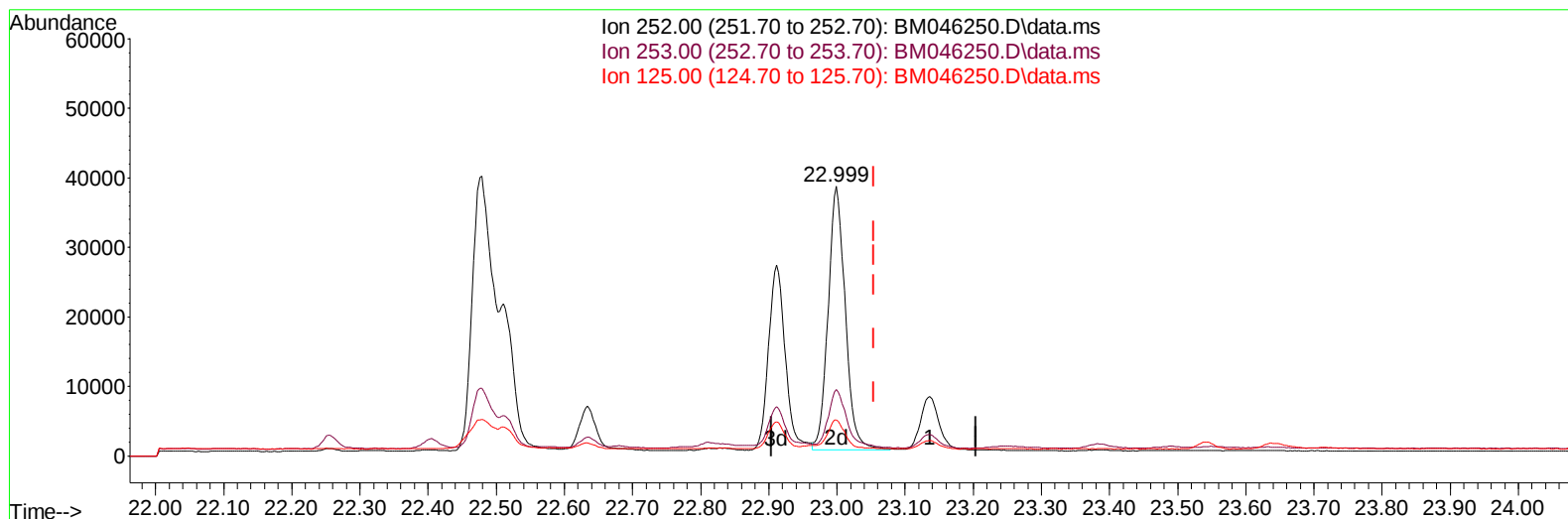
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046250.D
Acq On : 24 Jun 2024 13:14
Operator : MA/JU
Sample : P2776-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CY6

Manual IntegrationsAPPROVED

Quant Time: Jun 24 13:46:12 2024
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TIC: BM046250.D\data.ms

(26) Benzo(a)pyrene (C)

22.999min (-0.055) 2.92 ng/u1 m

response 66762

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	24.59#
125.00	26.50	13.40#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046250.D
 Acq On : 24 Jun 2024 13:14
 Operator : MA/JU
 Sample : P2776-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CY6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/27/2024

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 QLast Update : Mon Jun 24 02:25:34 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.405	152		2092	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.176	136		6657	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.052	164		3777	0.400	ng/ul	#-0.06
13) Phenanthrene-d10	16.798	188		8147m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.003	240		6279m	0.400	ng/ul	-0.04
23) Perylene-d12	23.090	264		6843m	0.400	ng/ul	-0.05
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.021	96		8584	2.991	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.804	152		1982	0.222	ng/ul	-0.06
18) Fluoranthene-d10	18.834	212		4583	0.244	ng/ul	-0.05
Target Compounds					Qvalue		
5) Naphthalene	10.226	128		2401	0.129	ng/ul#	94
7) 2-Methylnaphthalene	11.876	142		763	0.073	ng/ul	95
8) 1-Methylnaphthalene	12.090	142		579	0.051	ng/ul	99
10) Acenaphthylene	13.770	152		4712	0.263	ng/ul#	95
11) Acenaphthene	14.117	153		2096	0.162	ng/ul	97
12) Fluorene	15.112	166		2436	0.176	ng/ul#	99
15) Phenanthrene	16.840	178		50512m	2.207	ng/ul	
16) Anthracene	16.933	178		10874m	0.638	ng/ul	
19) Fluoranthene	18.861	202		113038	4.158	ng/ul	97
20) Pyrene	19.224	202		121229	4.123	ng/ul	97
21) Benzo(a)anthracene	20.986	228		52975	2.184	ng/ul	98
22) Chrysene	21.038	228		51357	1.659	ng/ul	99
24) Benzo(b)fluoranthene	22.479	252		80891m	3.281	ng/ul	
25) Benzo(k)fluoranthene	22.511	252		31032m	1.059	ng/ul	
26) Benzo(a)pyrene	22.999	252		66762m	2.922	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.135	276		47431	1.269	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.135	278		9595	0.345	ng/ul#	89
29) Benzo(g,h,i)perylene	25.756	276		13368	0.417	ng/ul	96

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

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Instrument :
BNA_M
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Manual IntegrationsAPPROVED

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