

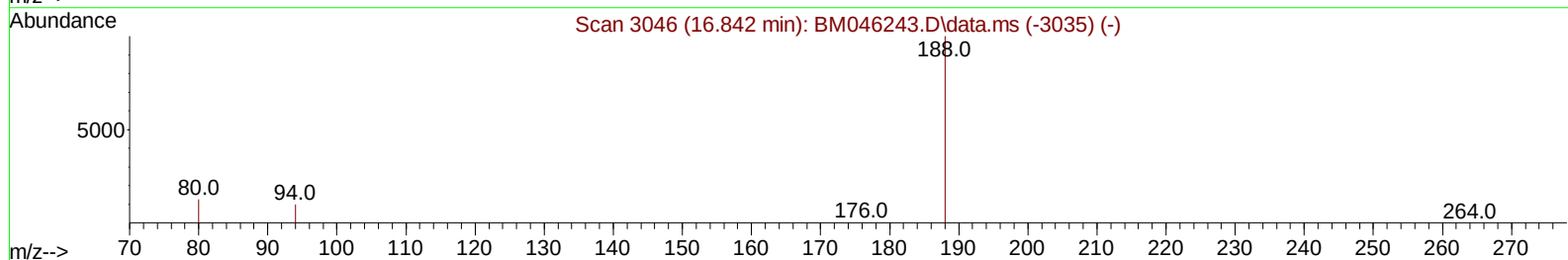
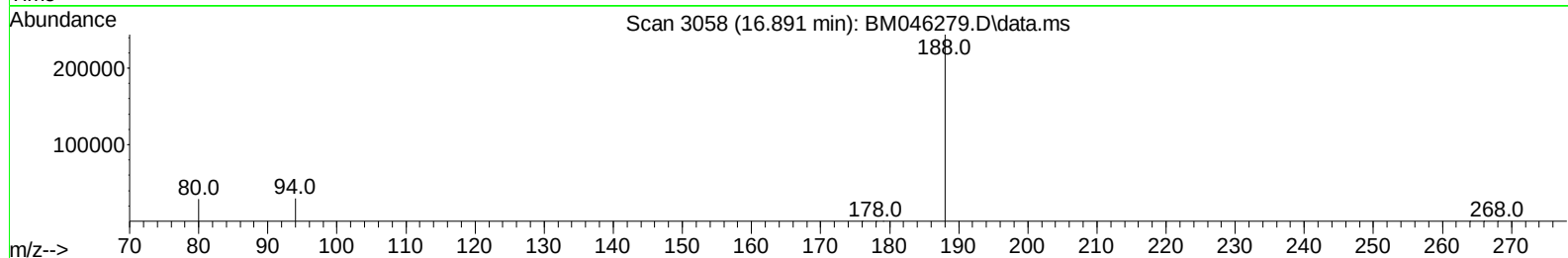
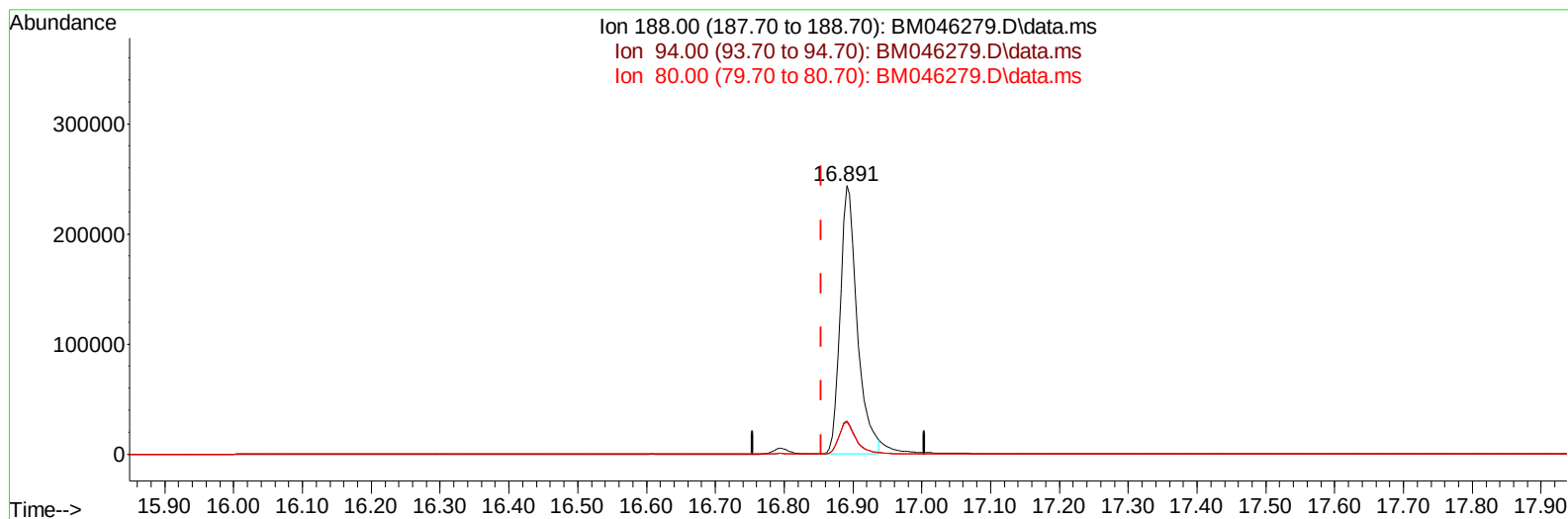
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 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 25 08:04:59 2024
Response via : Initial Calibration

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



TIC: BM046279.D\data.ms

(13) Phenanthrene-d10 (I)

16.891min (+ 0.037) 0.40 ng/u1

response 418776

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.32
80.00	15.20	11.86#
0.00	0.00	0.00

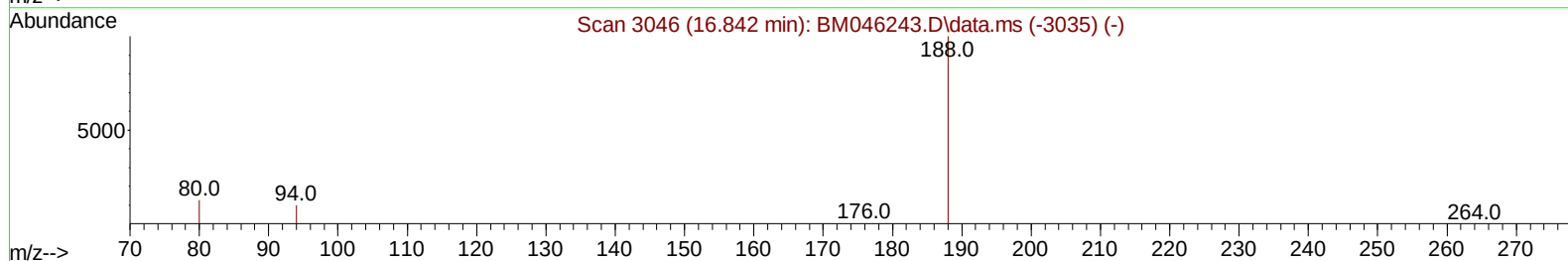
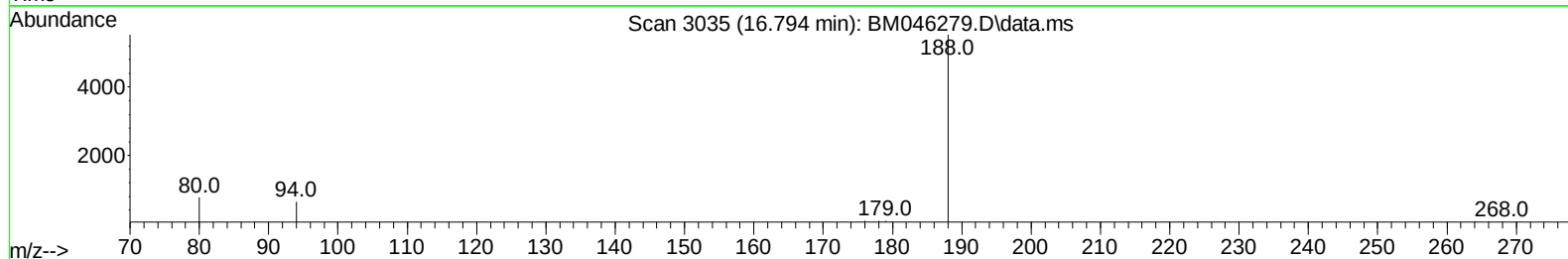
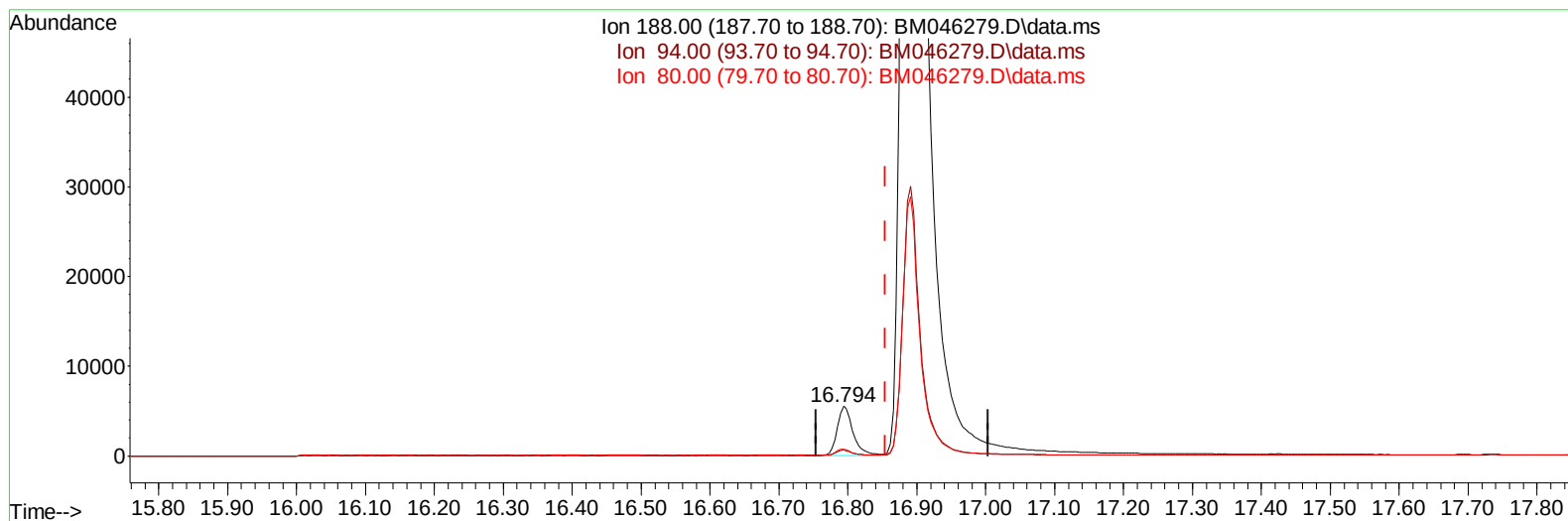
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 2024
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Reviewed By :Yogesh Patel 06/25/2024
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TIC: BM046279.D\data.ms

(13) Phenanthrene-d10 (I)

16.794min (-0.060) 0.40 ng/ul m

response 8768

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.82
80.00	15.20	13.90
0.00	0.00	0.00

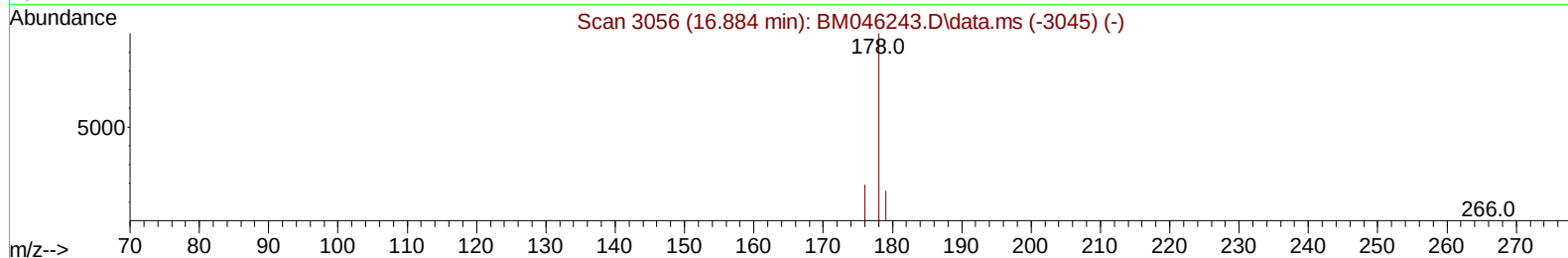
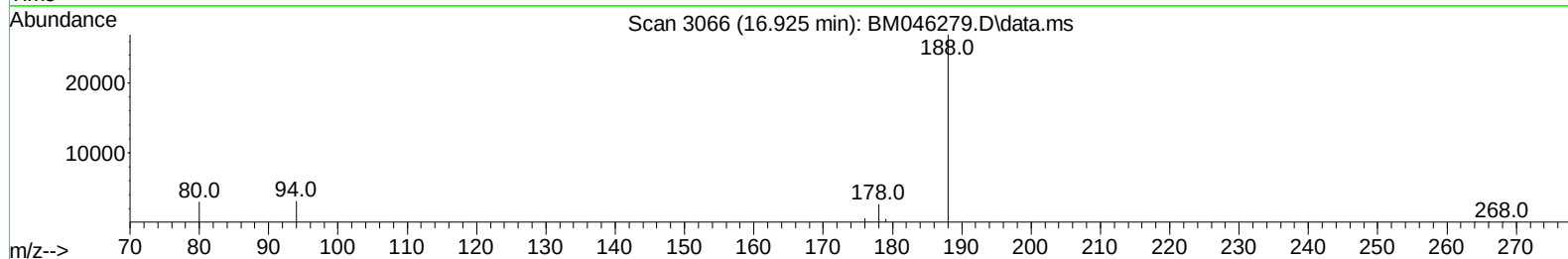
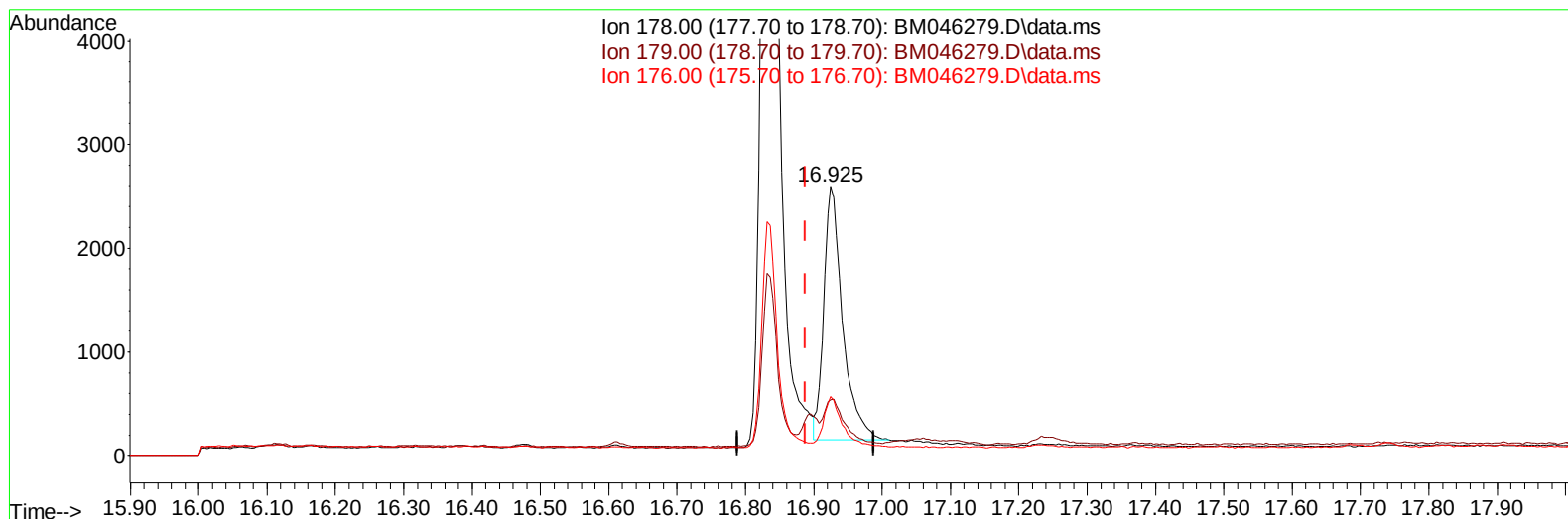
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 2024
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QLast Update : Tue Jun 25 08:04:59 2024
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TIC: BM046279.D\data.ms

(15) Phenanthrene

16.925min (+ 0.037) 0.19 ng/u1

response 4686

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	20.92
176.00	21.40	22.16
0.00	0.00	0.00

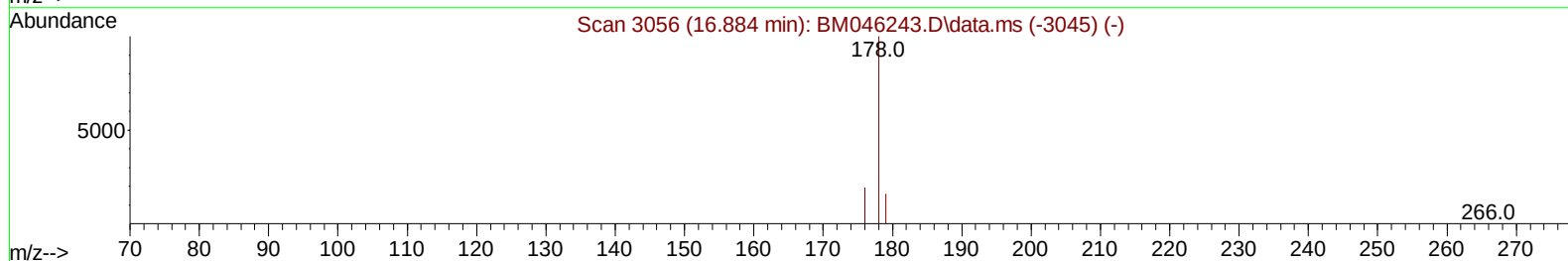
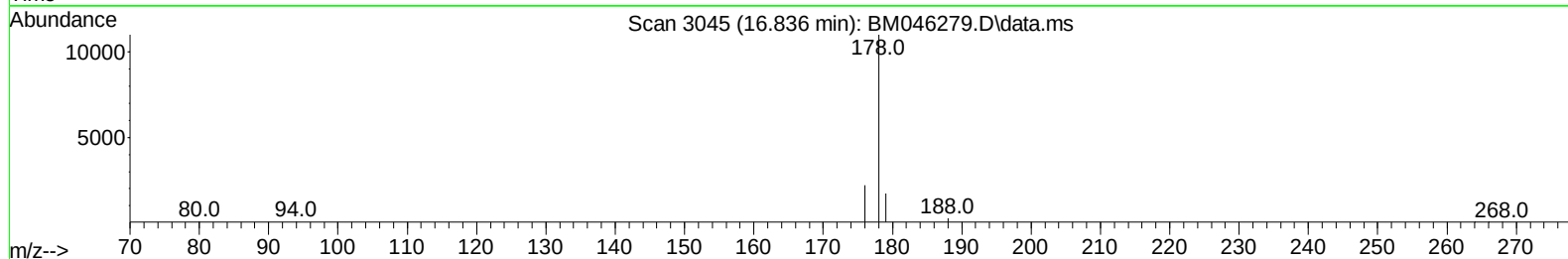
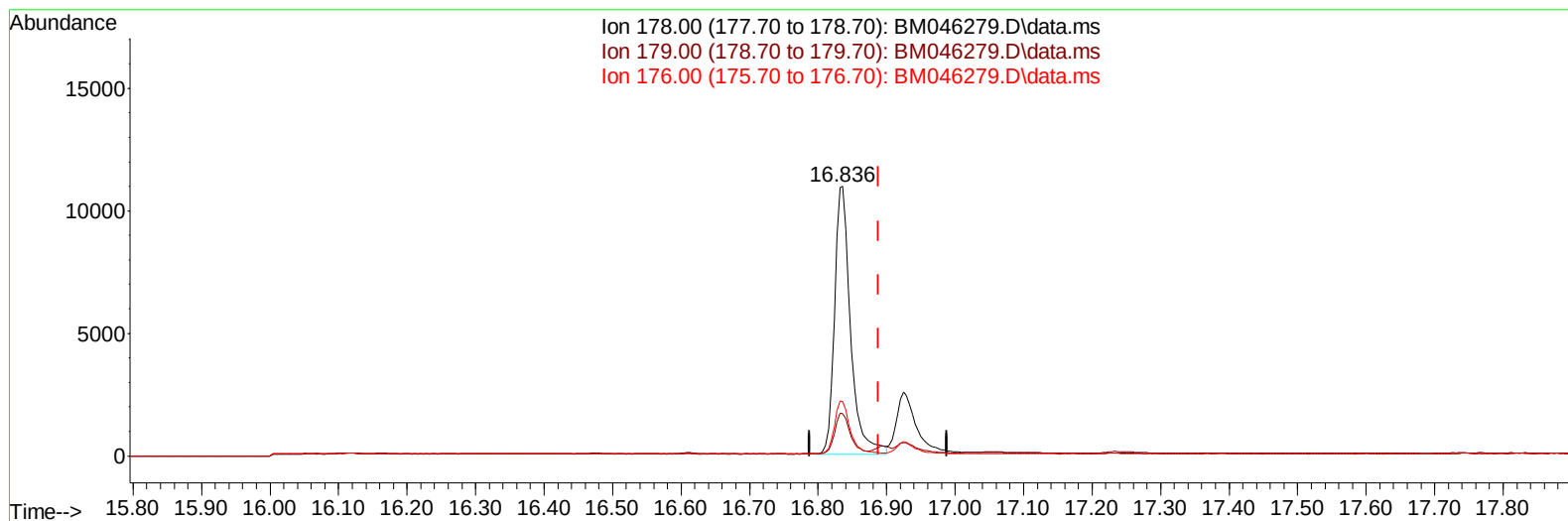
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046279.D
 Acq On : 25 Jun 2024 07:27
 Operator : MA/JU
 Sample : P2844-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 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 25 08:04:59 2024
 Response via : Initial Calibration

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



TIC: BM046279.D\data.ms

(15) Phenanthrene

16.836min (-0.052) 0.73 ng/ul m

response 17870

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.68
176.00	21.40	20.15
0.00	0.00	0.00

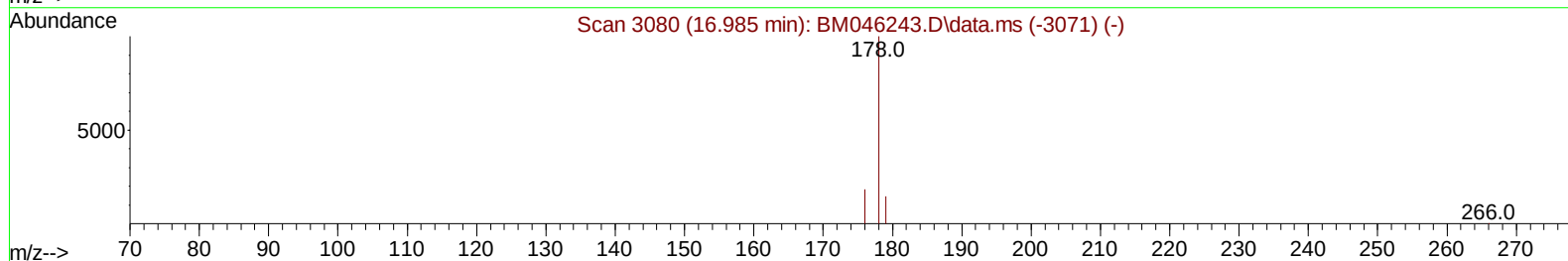
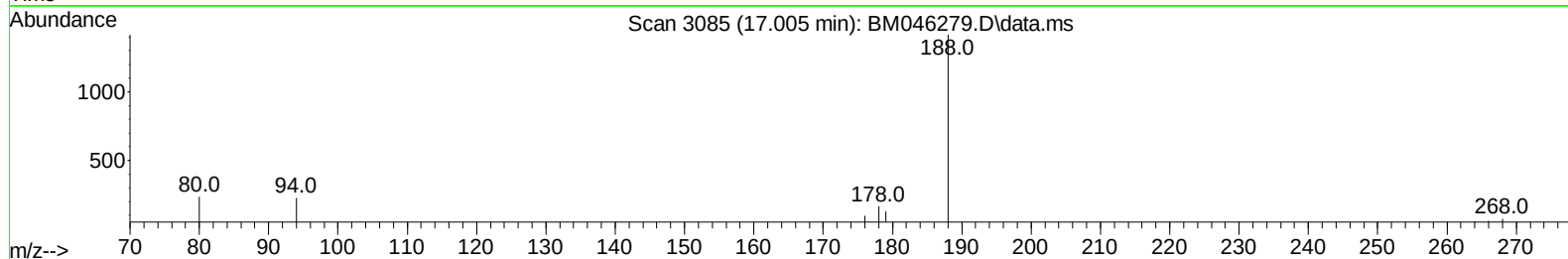
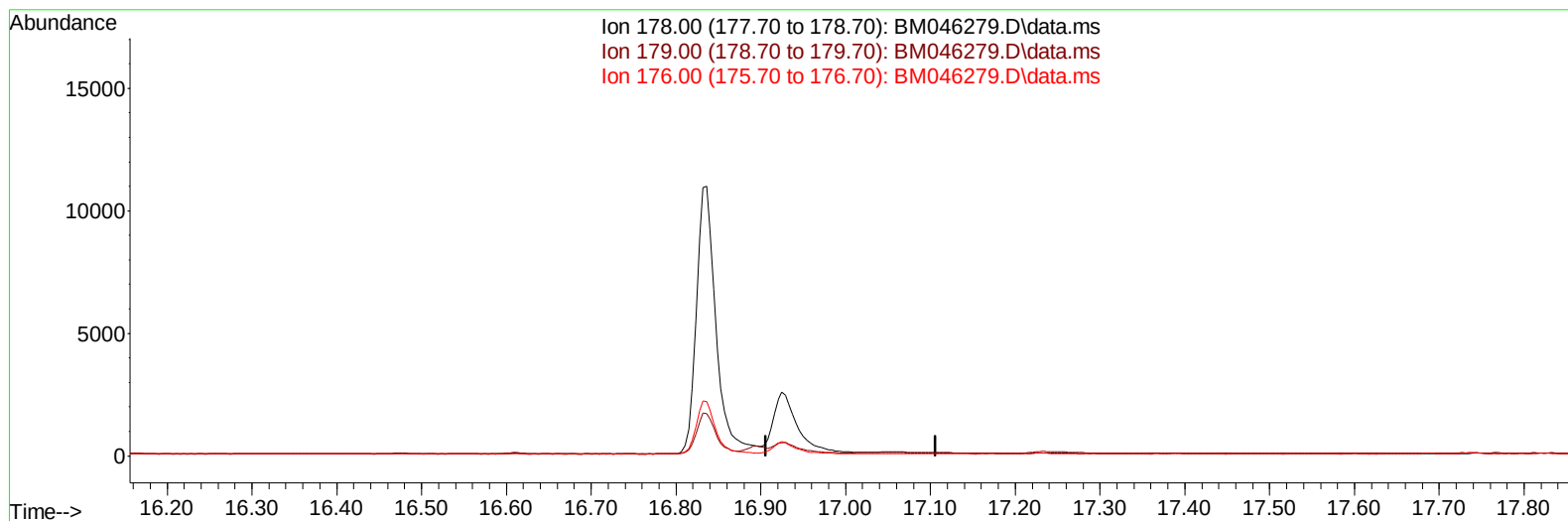
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 2024
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TIC: BM046279.D\data.ms

(16) Anthracene

17.006min (-17.006) 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

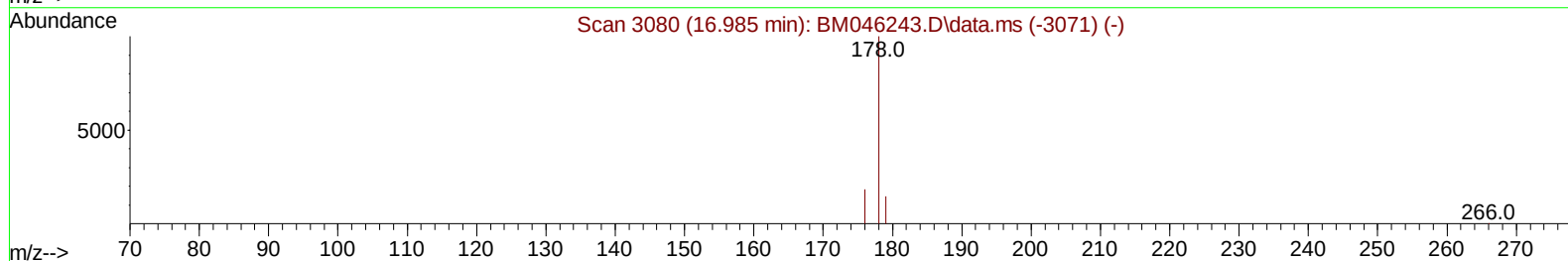
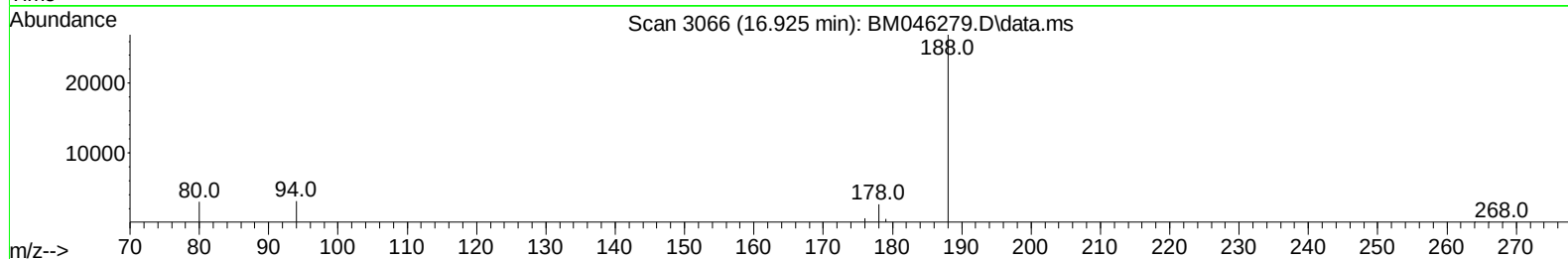
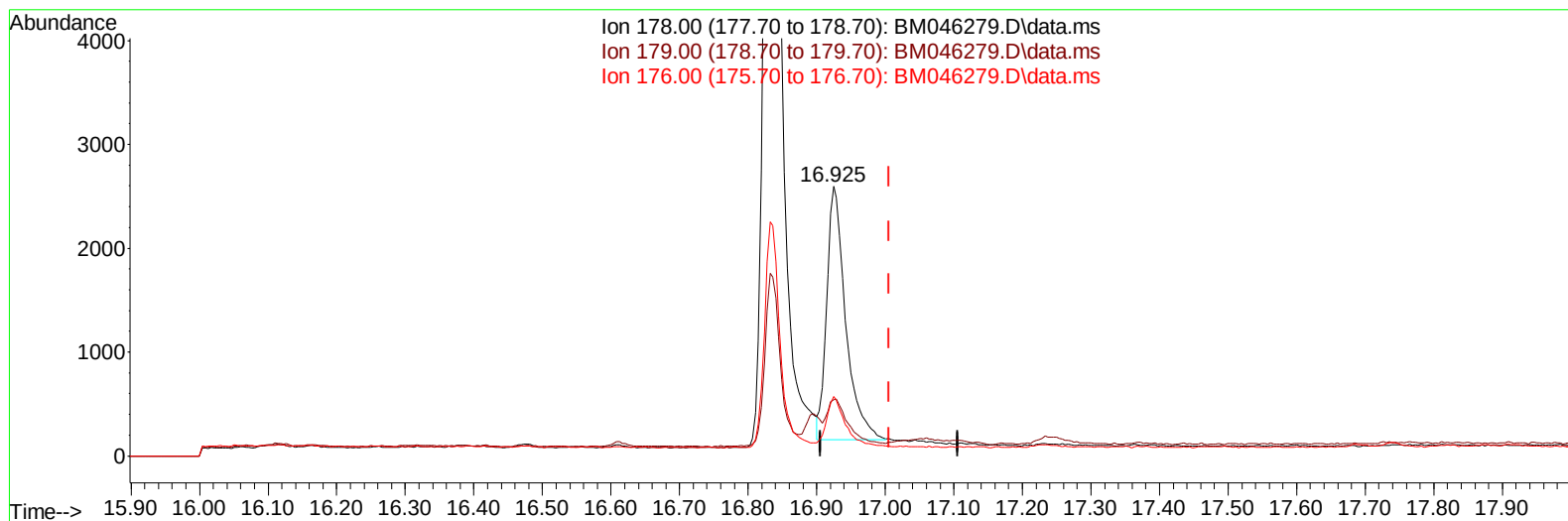
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Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 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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TIC: BM046279.D\data.ms

(16) Anthracene

16.925min (-0.081) 0.25 ng/ul m

response 4671

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	20.92
176.00	21.20	22.16
0.00	0.00	0.00

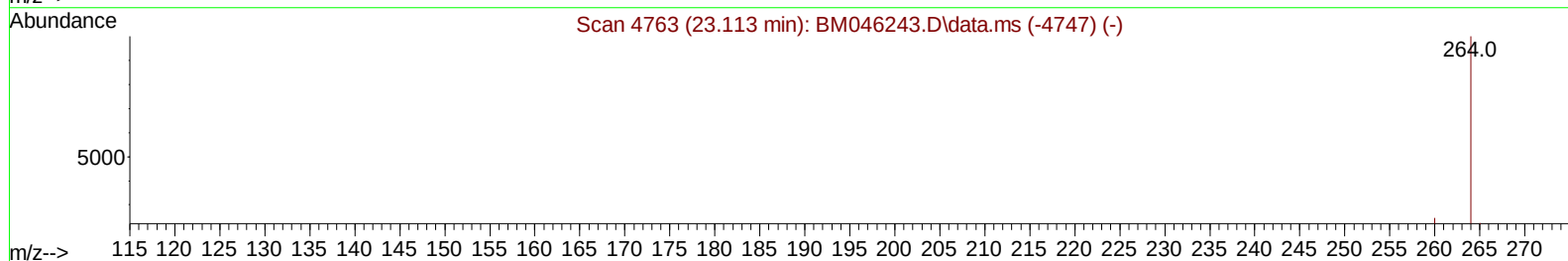
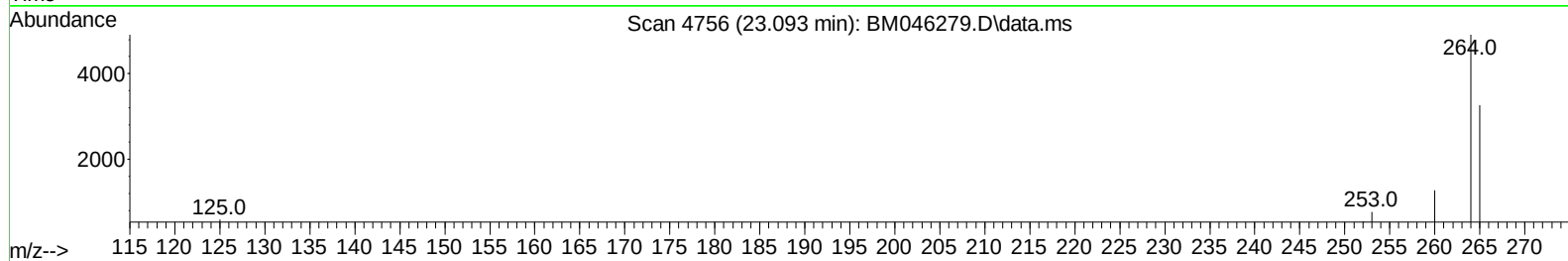
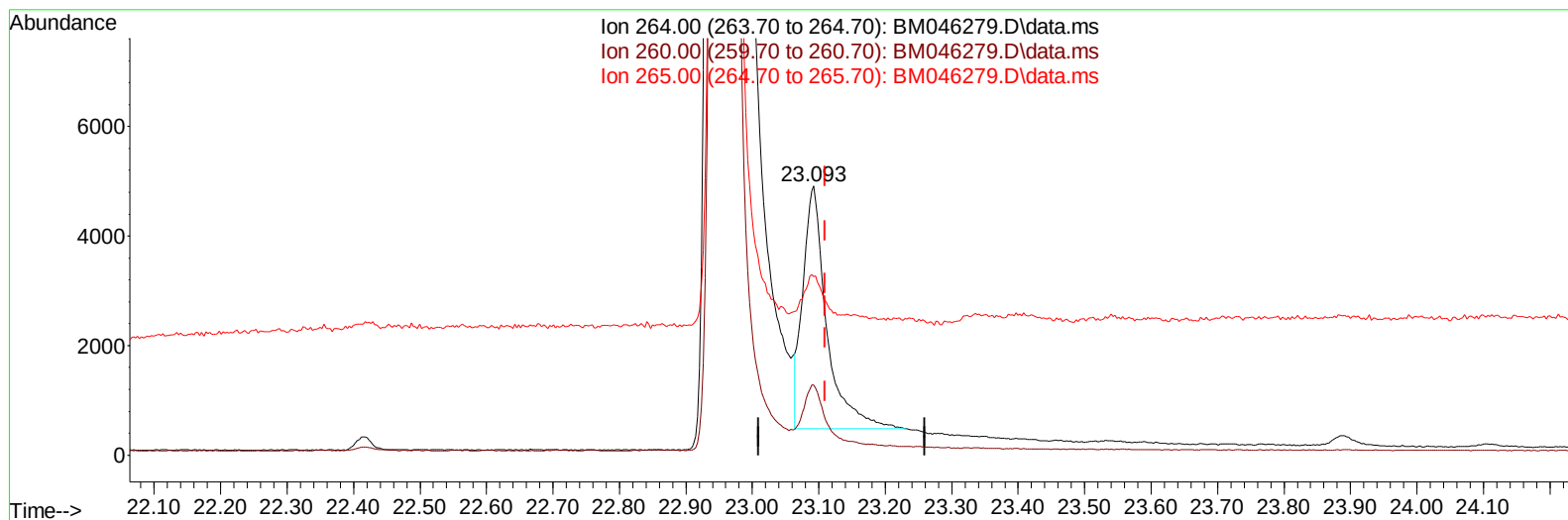
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 2024
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TIC: BM046279.D\data.ms

(23) Perylene-d12 (I)

23.093min (-0.017) 0.40 ng/u1

response 11058

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	25.96
265.00	110.60	66.42#
0.00	0.00	0.00

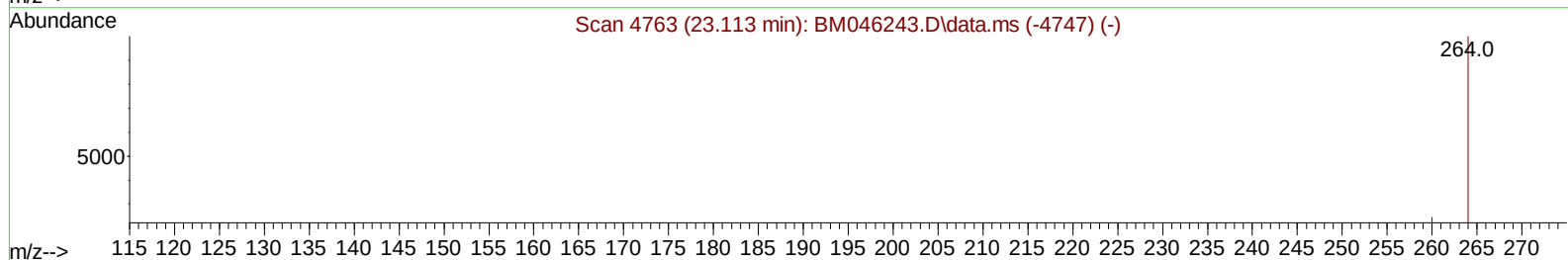
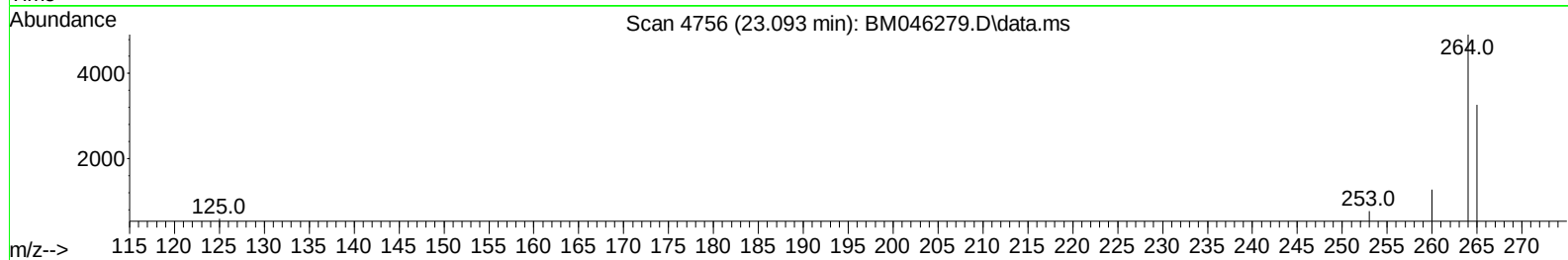
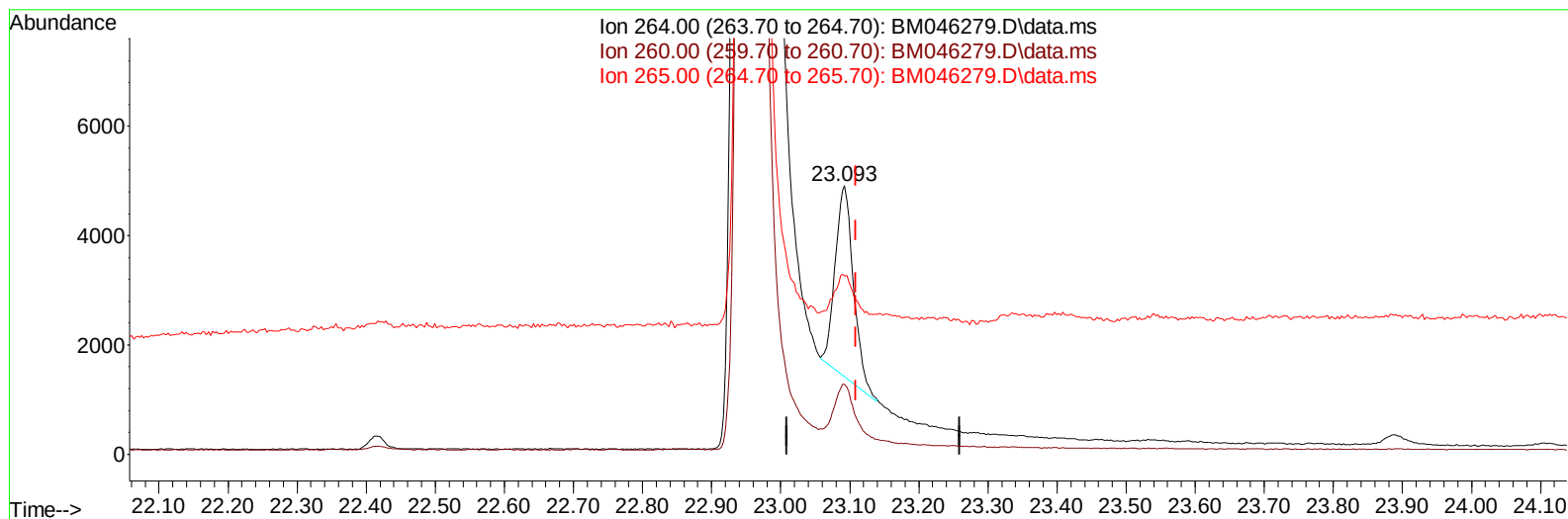
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 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 25 08:04:59 2024
Response via : Initial Calibration

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



TIC: BM046279.D\data.ms

(23) Perylene-d12 (I)

23.093min (-0.017) 0.40 ng/ul m

response 6284

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	25.96
265.00	110.60	66.42#
0.00	0.00	0.00

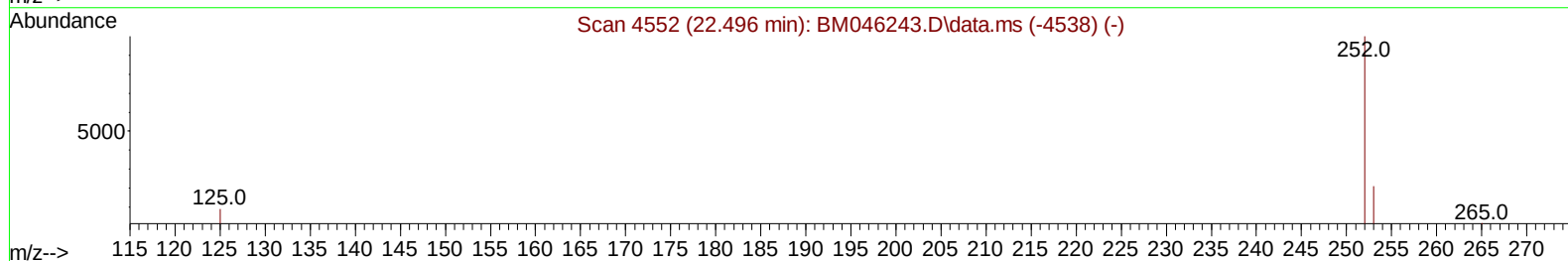
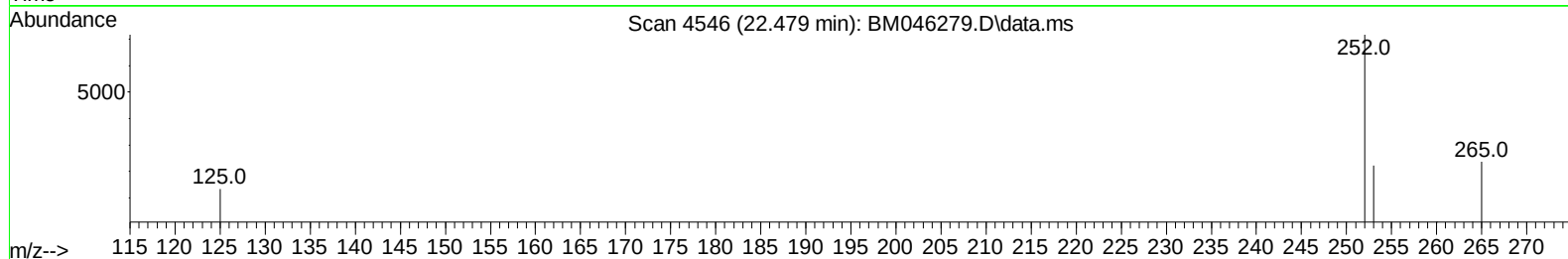
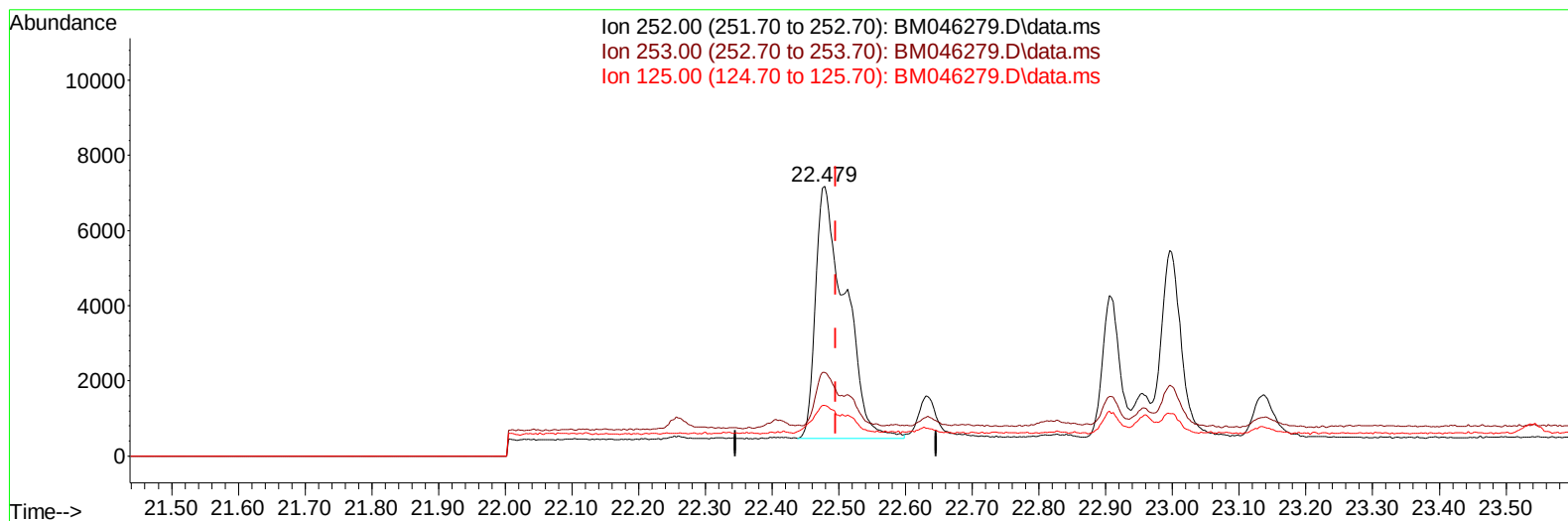
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 2024
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TIC: BM046279.D\data.ms

(24) Benzo(b)fluoranthene

22.479min (-0.017) 0.91 ng/u1

response 20617

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	30.91
125.00	20.10	18.75
0.00	0.00	0.00

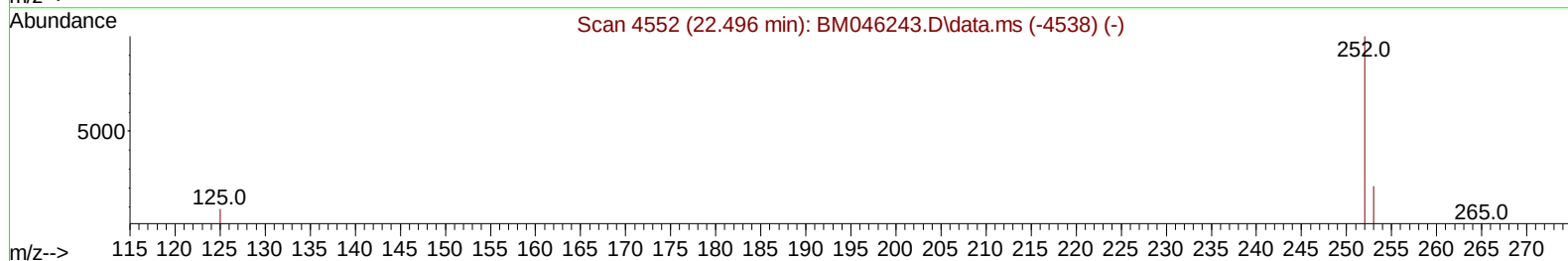
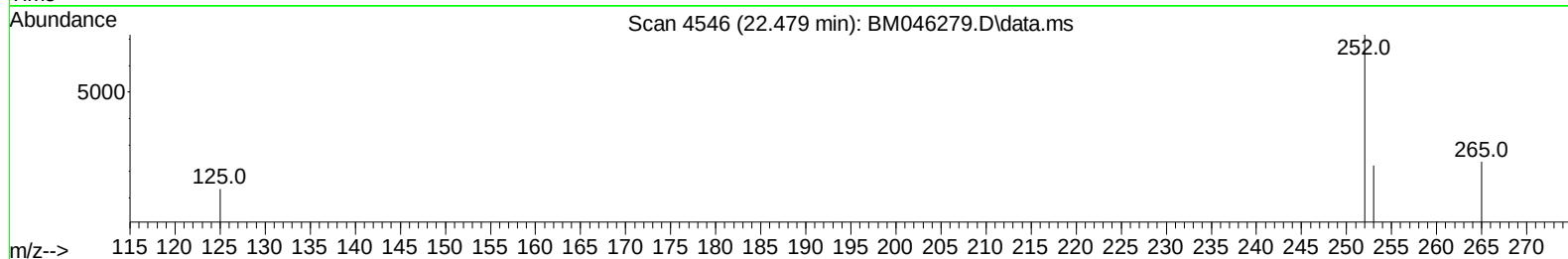
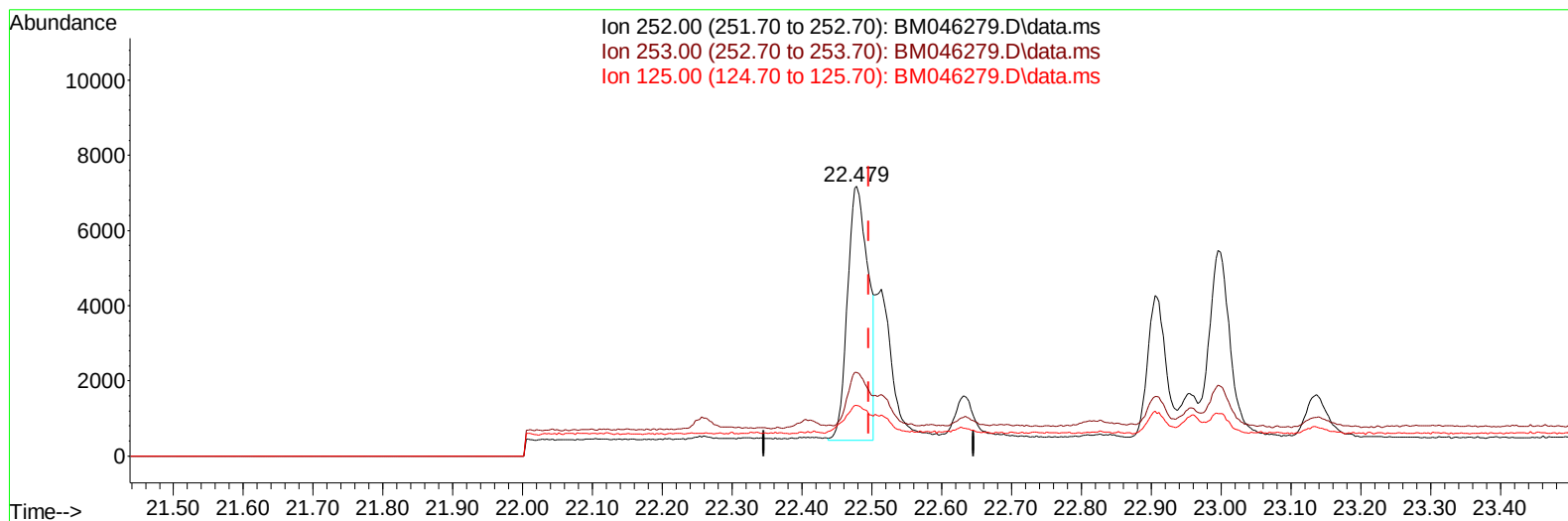
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 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 25 08:04:59 2024
Response via : Initial Calibration

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TIC: BM046279.D\data.ms

(24) Benzo(b)fluoranthene

22.479min (-0.017) 0.62 ng/ul m

response 13935

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	30.91
125.00	20.10	18.75
0.00	0.00	0.00

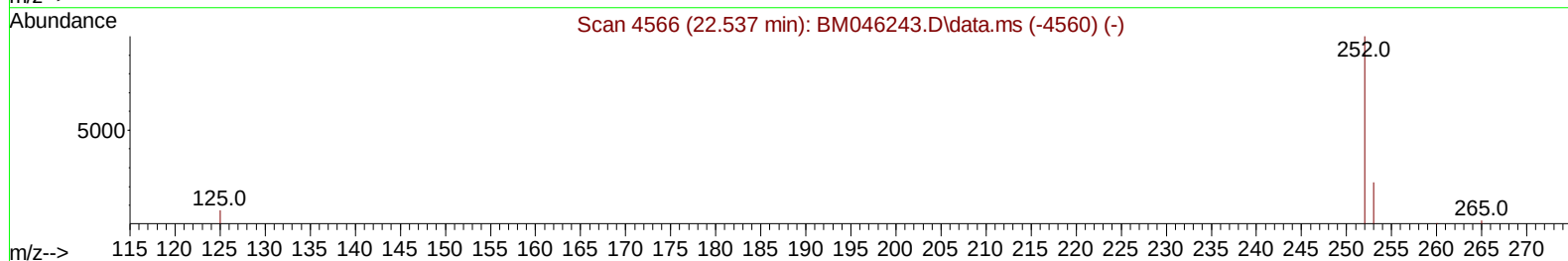
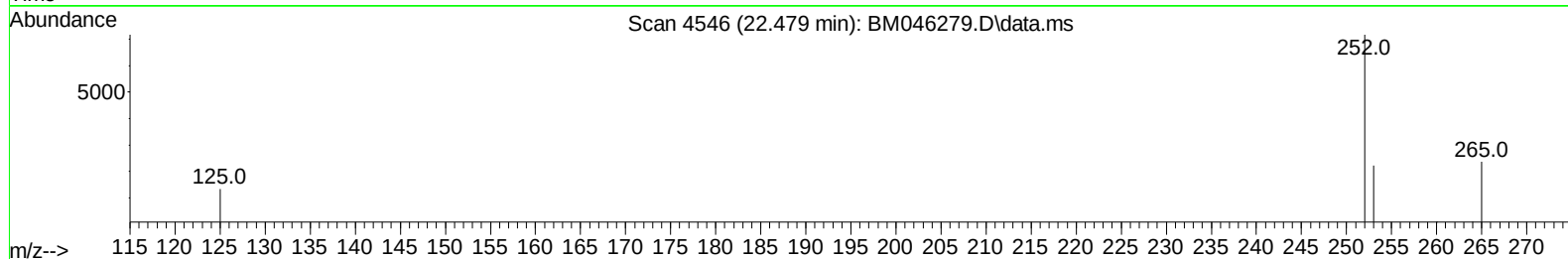
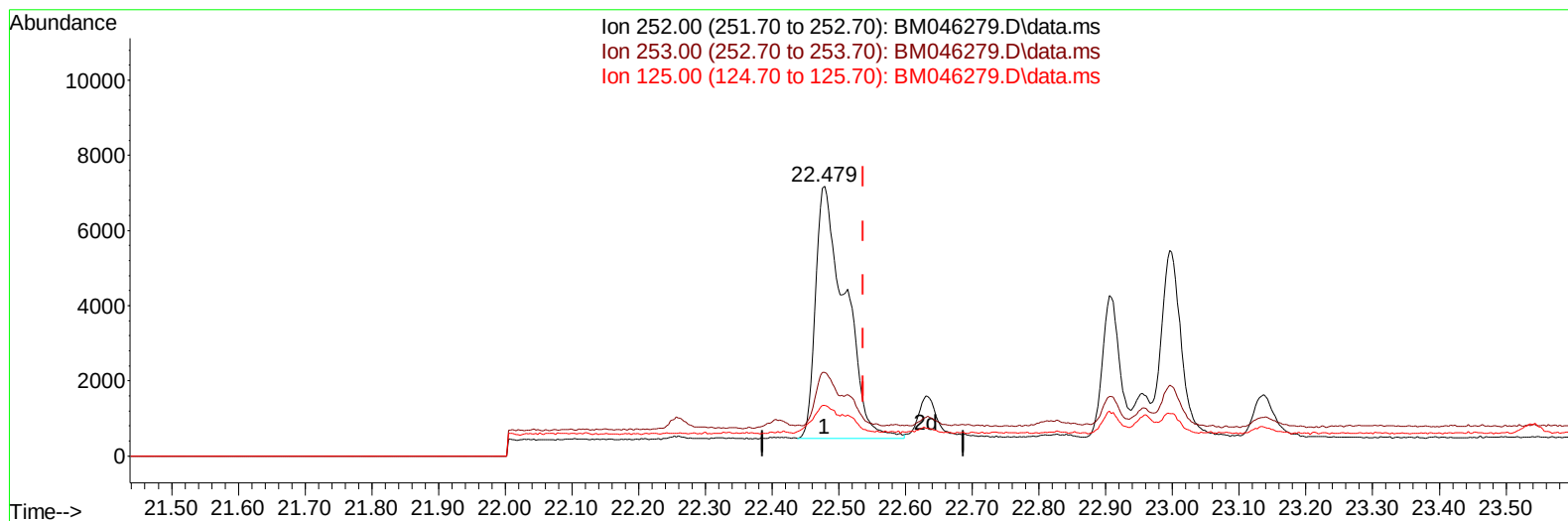
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046279.D\data.ms

(25) Benzo(k)fluoranthene

22.479min (-0.058) 0.77 ng/u1

response 20617

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	30.91
125.00	20.80	18.75
0.00	0.00	0.00

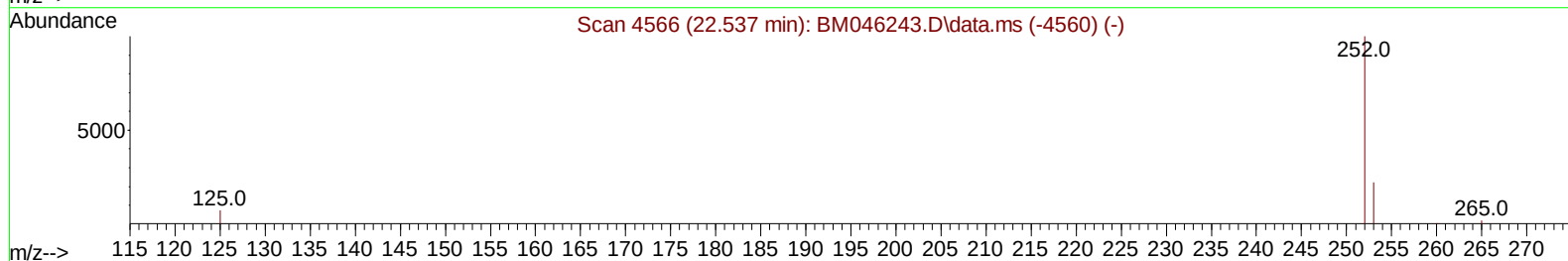
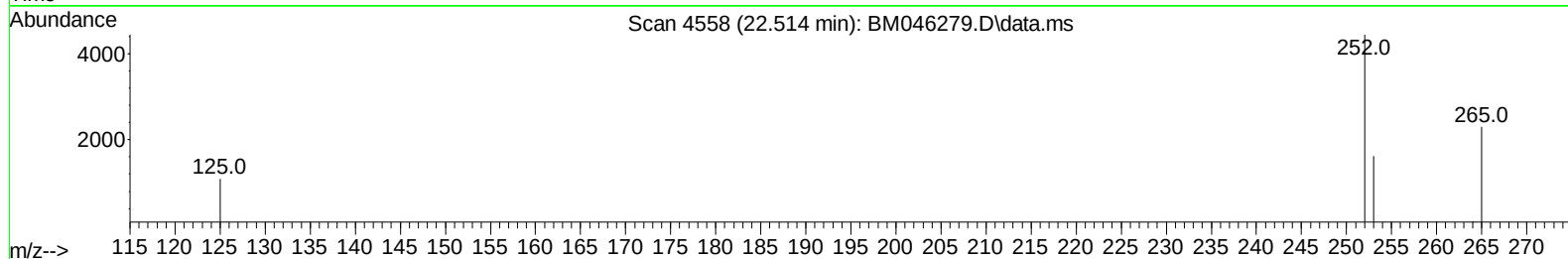
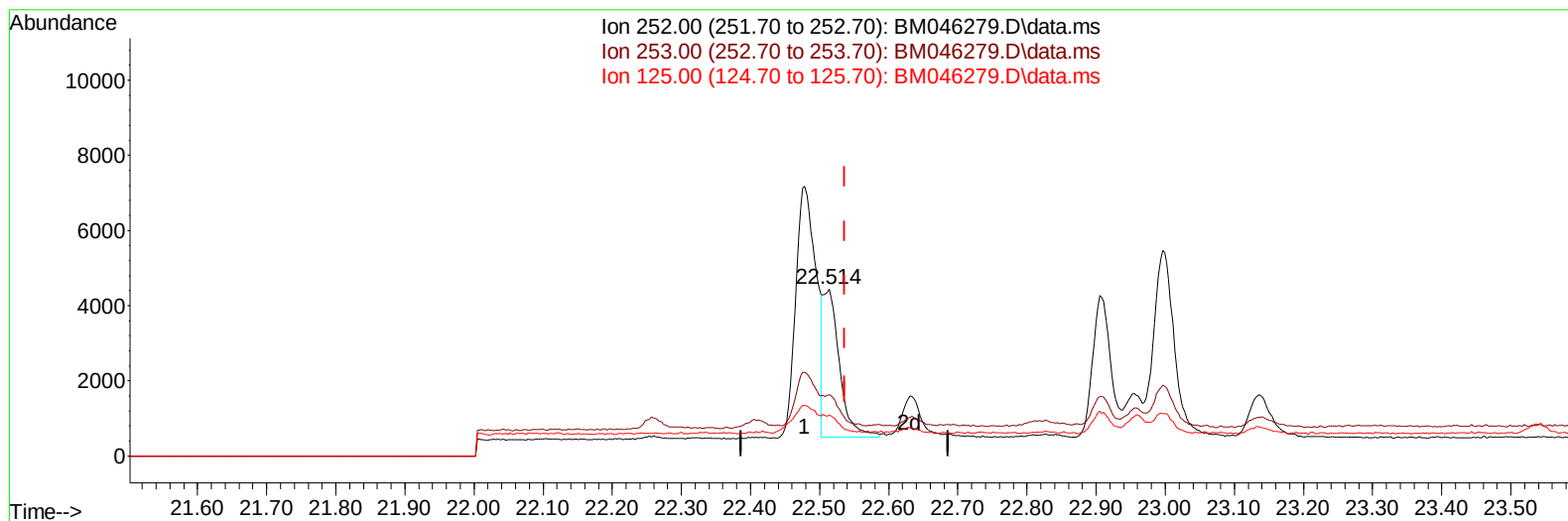
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 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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Response via : Initial Calibration

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Supervised By :mohammad ahmed 06/27/2024



TIC: BM046279.D\data.ms

(25) Benzo(k)fluoranthene

22.514min (-0.023) 0.24 ng/ul m

response 6594

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	36.63
125.00	20.80	24.53
0.00	0.00	0.00

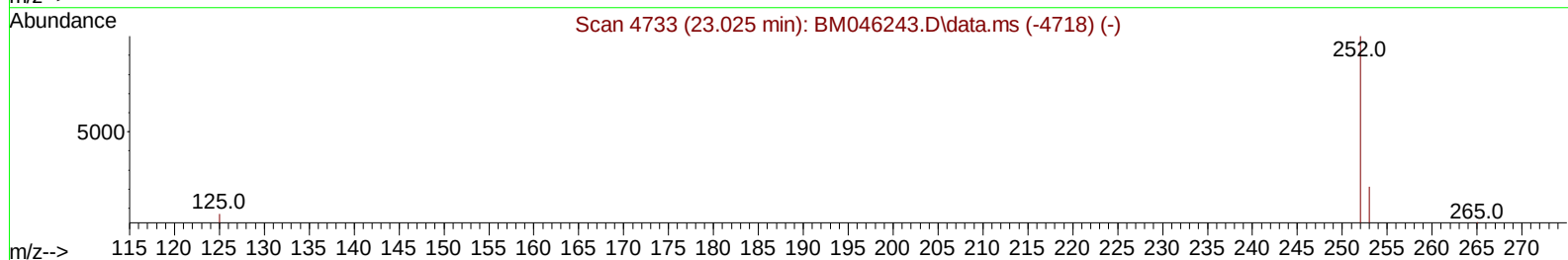
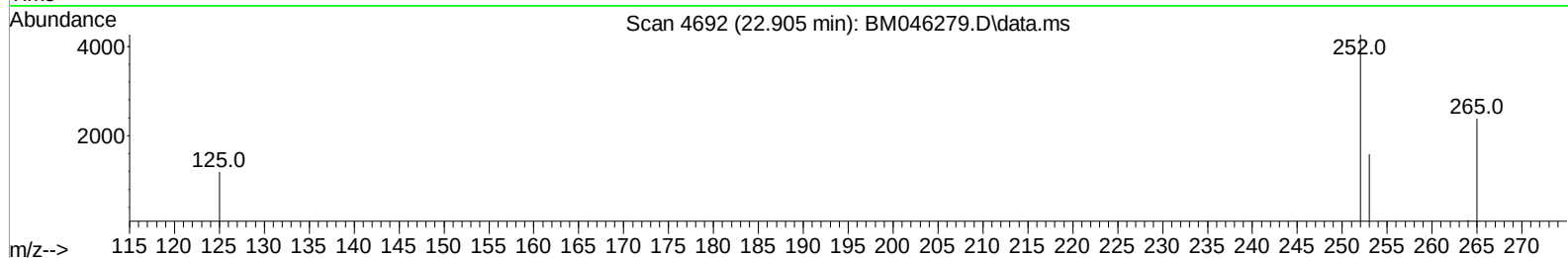
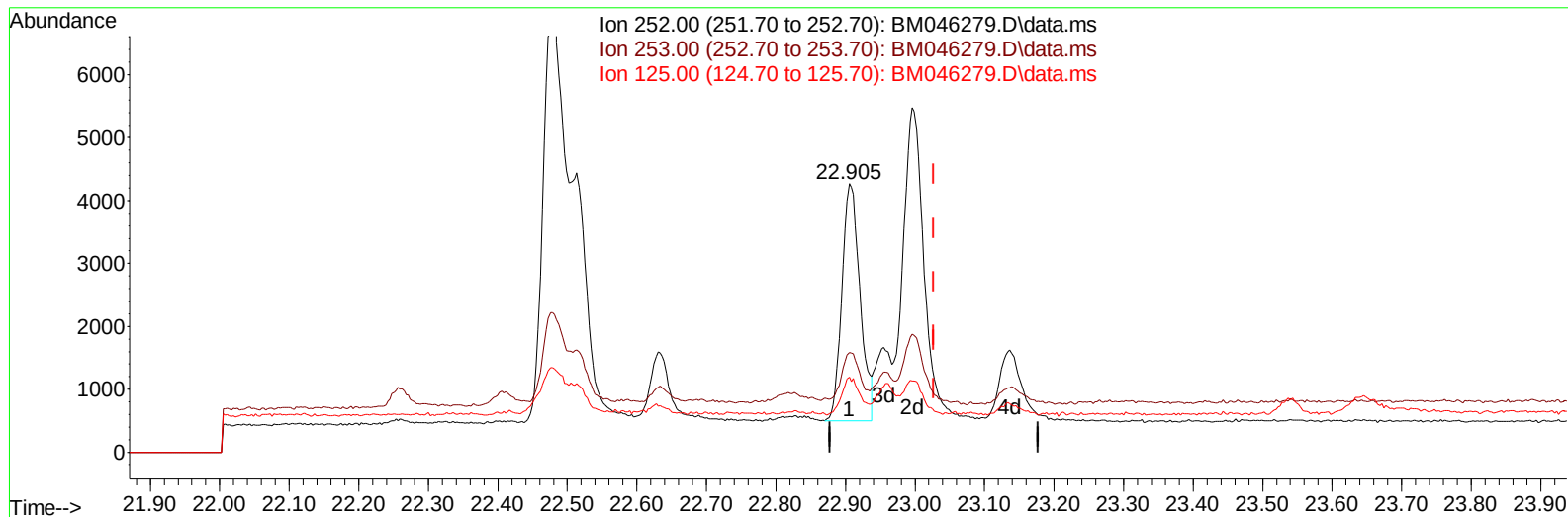
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
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Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046279.D\data.ms

(26) Benzo(a)pyrene (C)

22.905min (-0.122) 0.33 ng/u1

response 6851

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	37.15
125.00	26.50	27.94
0.00	0.00	0.00

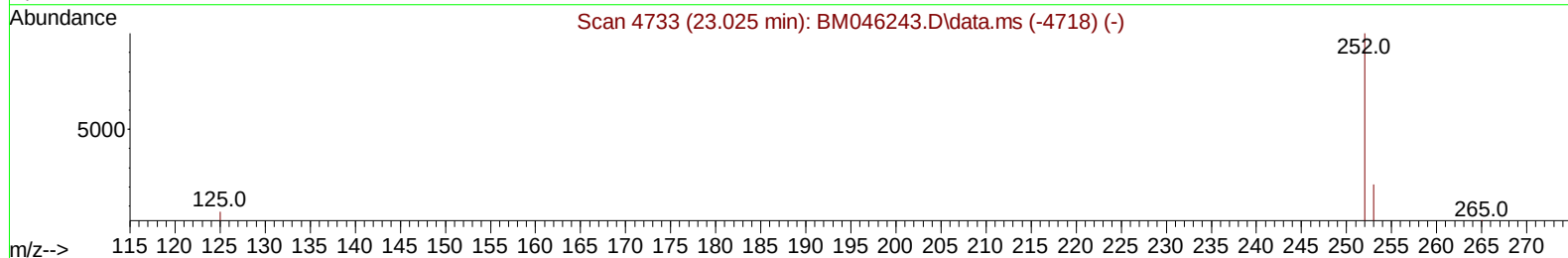
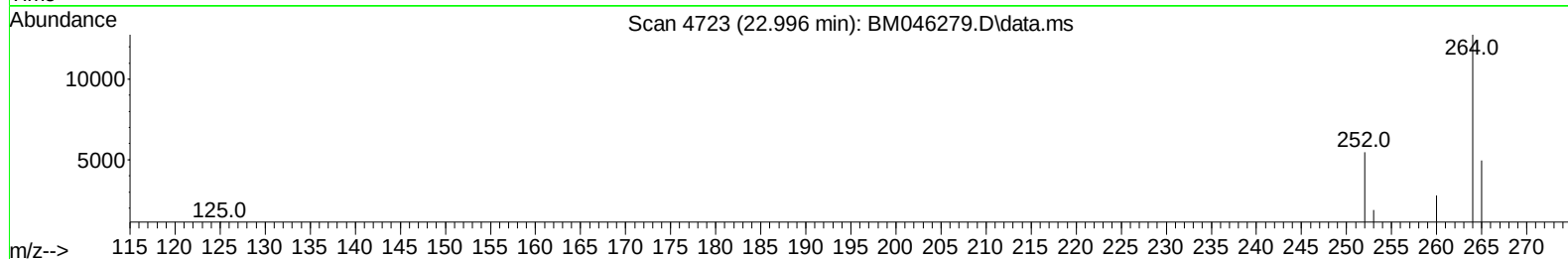
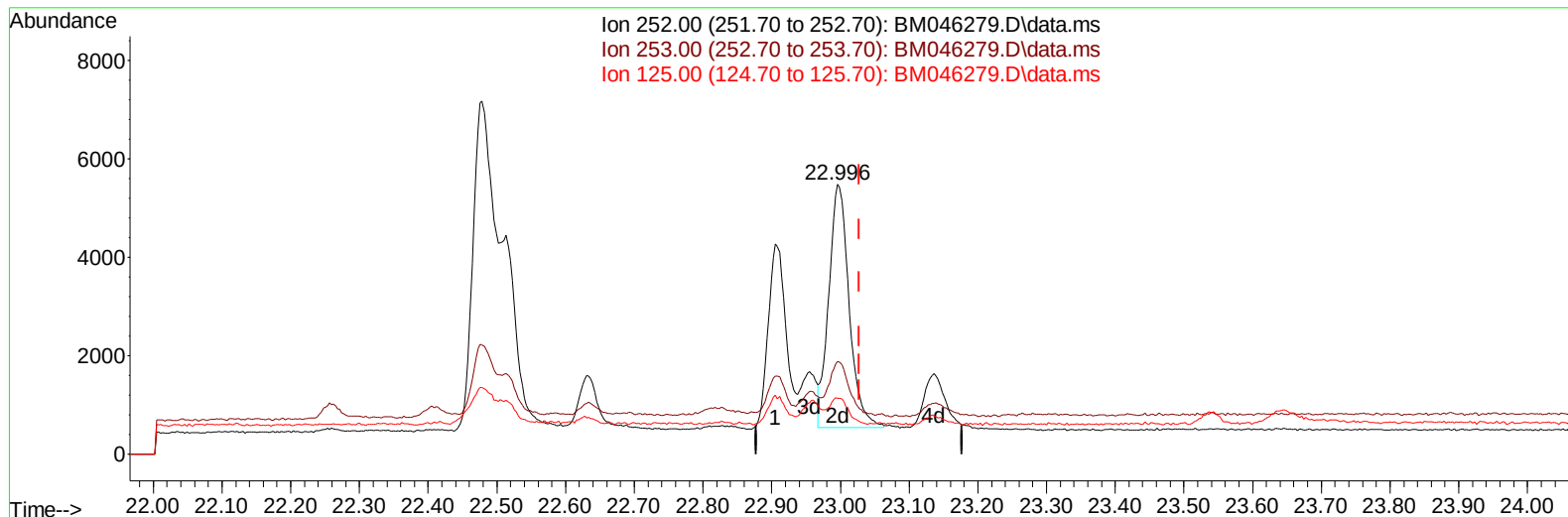
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046279.D
Acq On : 25 Jun 2024 07:27
Operator : MA/JU
Sample : P2844-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C81

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:05:06 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 25 08:04:59 2024
Response via : Initial Calibration

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



TIC: BM046279.D\data.ms

(26) Benzo(a)pyrene (C)

22.996min (-0.032) 0.48 ng/u1 m

response 10163

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	34.35
125.00	26.50	20.64#
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	7.400	152		2527	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.171	136		7820	0.400	ng/ul	#-0.08
9) Acenaphthene-d10	14.047	164		4136	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.794	188		8768m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.009	240		6481	0.400	ng/ul	-0.02
23) Perylene-d12	23.093	264		6284m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.021	96		10537	3.039	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.810	152		2347	0.224	ng/ul	-0.06
18) Fluoranthene-d10	18.834	212		5014	0.258	ng/ul	-0.04
Target Compounds							
							Qvalue
5) Naphthalene	10.215	128		543	0.025	ng/ul#	53
10) Acenaphthylene	13.765	152		735	0.037	ng/ul#	62
11) Acenaphthene	14.112	153		1074	0.076	ng/ul	98
12) Fluorene	15.107	166		1090	0.072	ng/ul#	97
15) Phenanthrene	16.836	178		17870m	0.725	ng/ul	
16) Anthracene	16.925	178		4671m	0.255	ng/ul	
19) Fluoranthene	18.861	202		26795	0.955	ng/ul	97
20) Pyrene	19.219	202		23634	0.779	ng/ul#	96
21) Benzo(a)anthracene	20.991	228		11153	0.446	ng/ul	96
22) Chrysene	21.044	228		10177	0.319	ng/ul	97
24) Benzo(b)fluoranthene	22.479	252		13935m	0.616	ng/ul	
25) Benzo(k)fluoranthene	22.514	252		6594m	0.245	ng/ul	
26) Benzo(a)pyrene	22.996	252		10163m	0.484	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.155	276		7366	0.215	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.155	278		1629	0.064	ng/ul#	45
29) Benzo(g,h,i)perylene	25.769	276		7434	0.252	ng/ul	97

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

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