

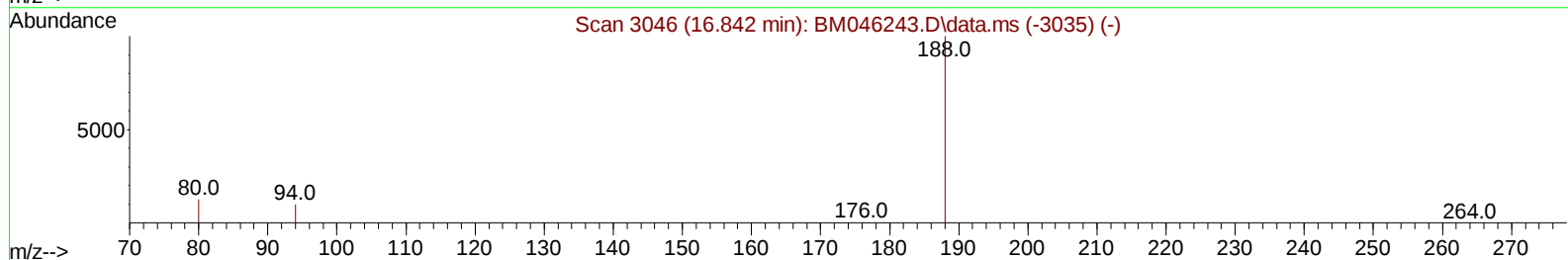
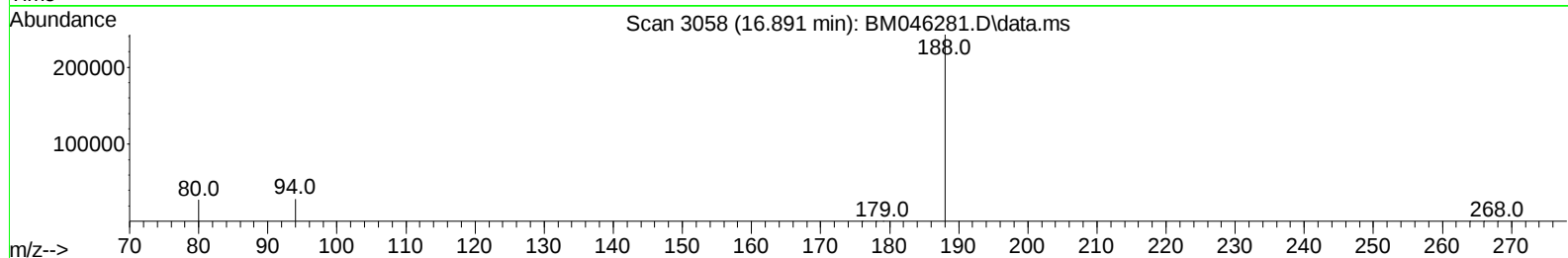
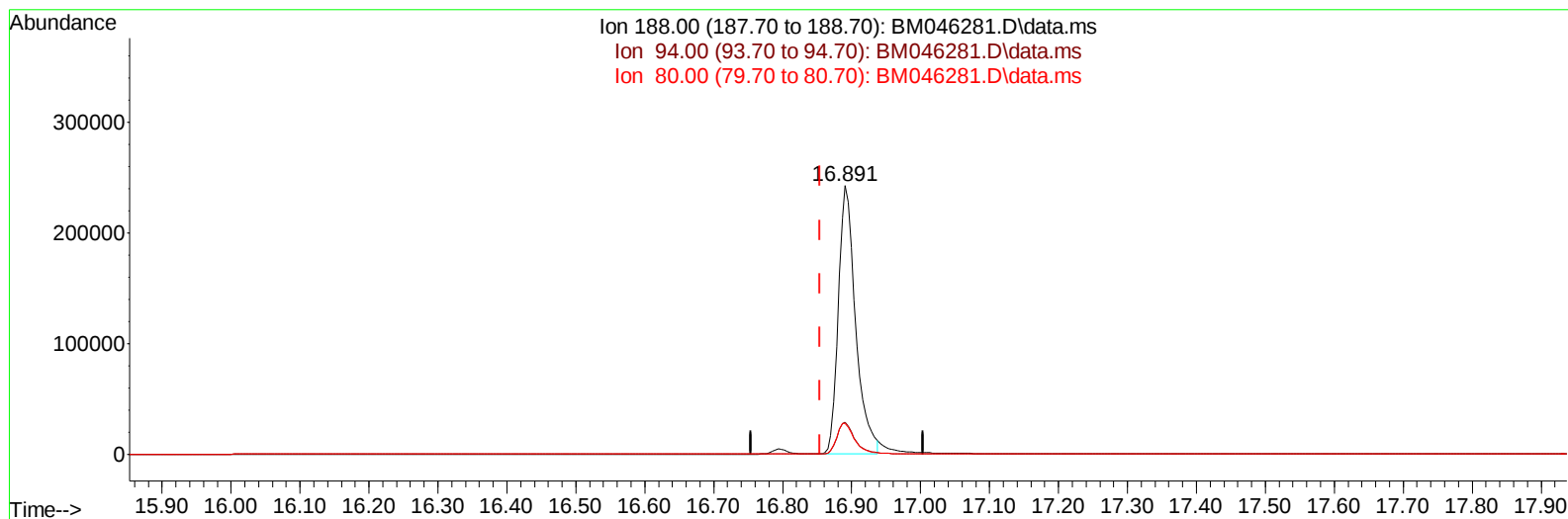
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(13) Phenanthrene-d10 (I)

16.891min (+ 0.037) 0.40 ng/u1

response 421632

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.05
80.00	15.20	11.44#
0.00	0.00	0.00

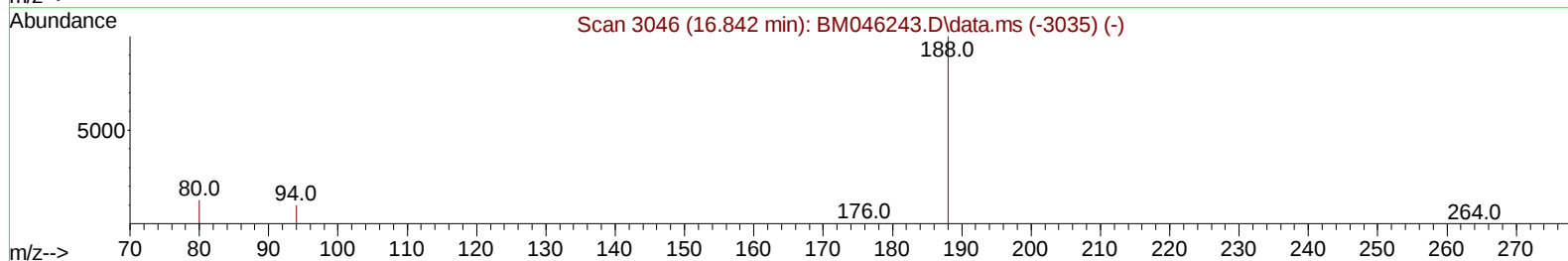
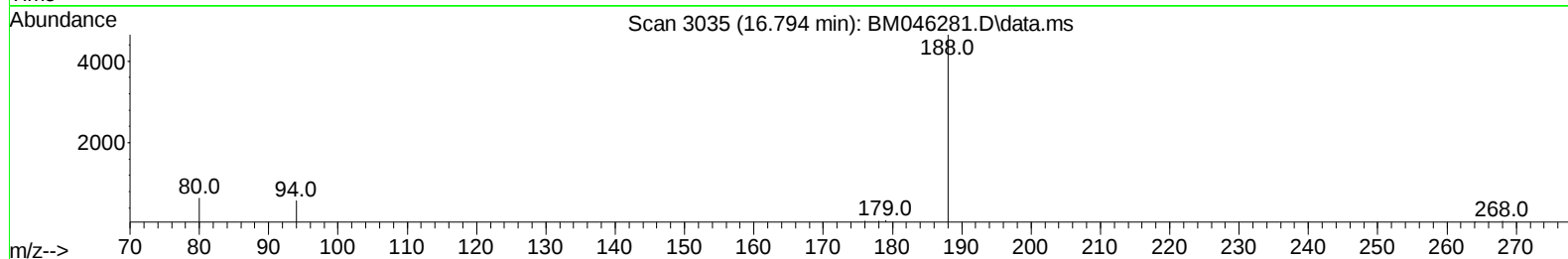
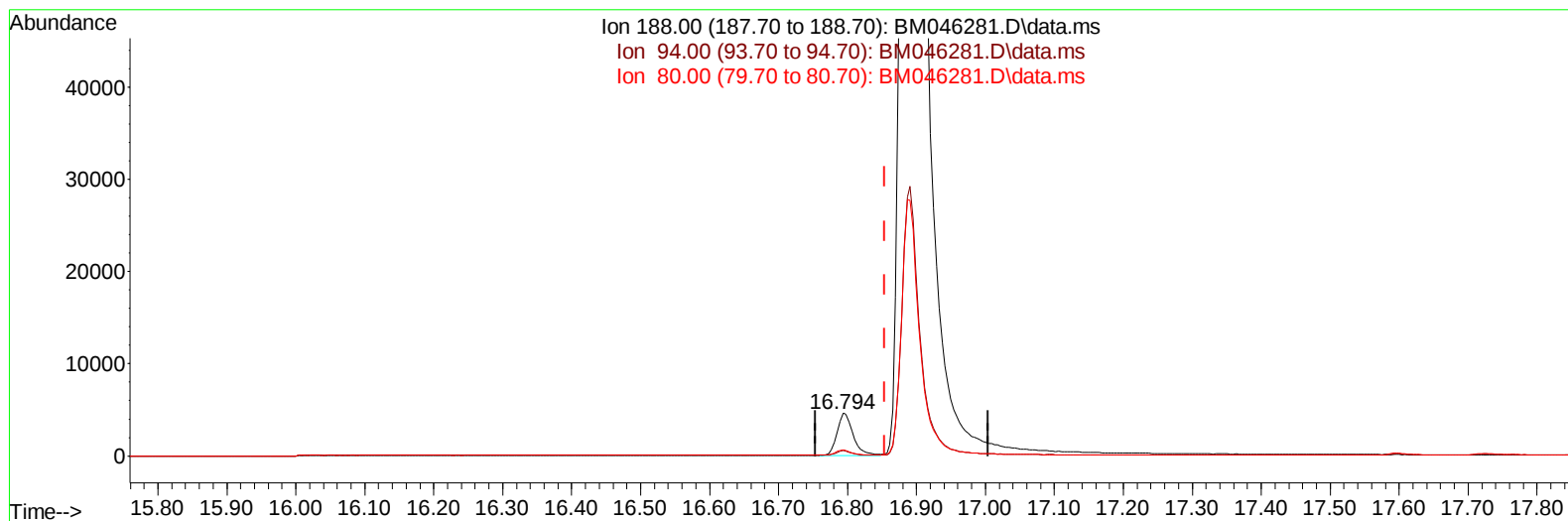
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(13) Phenanthrene-d10 (I)

16.794min (-0.060) 0.40 ng/u1 m

response 7427

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.39
80.00	15.20	13.76
0.00	0.00	0.00

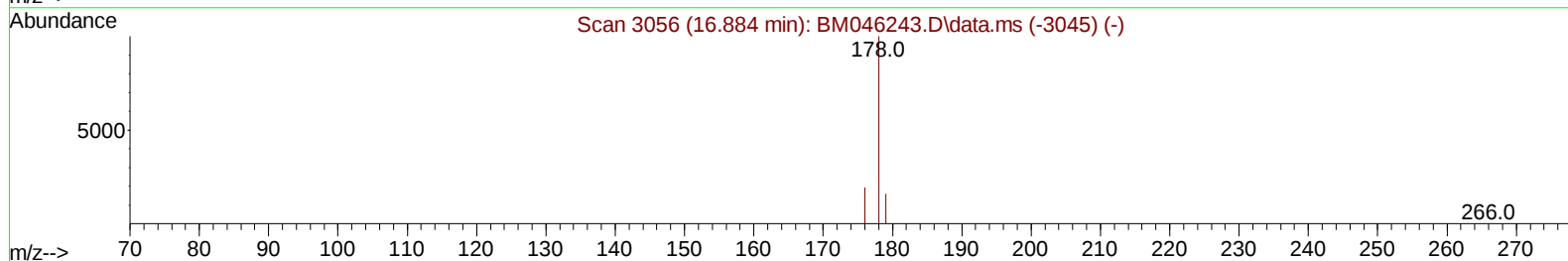
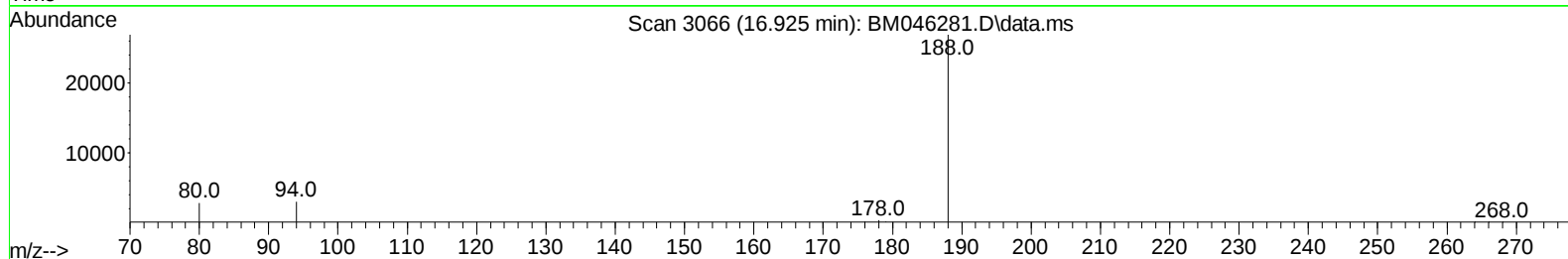
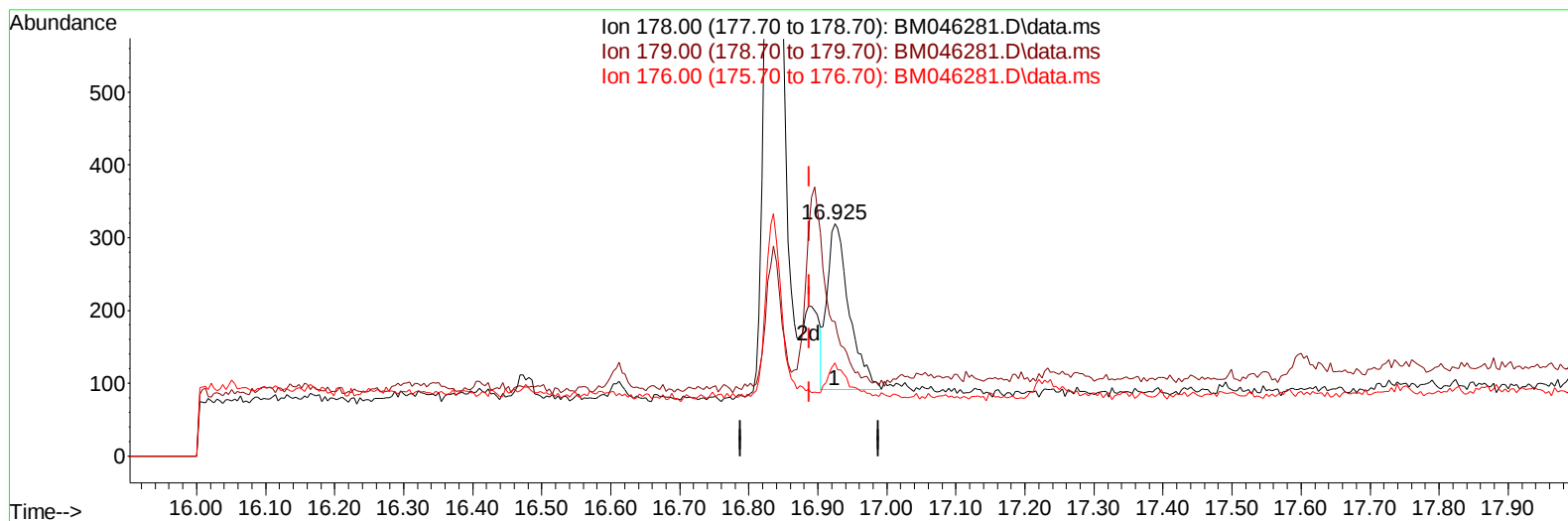
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(15) Phenanthrene

16.925min (+ 0.037) 0.02 ng/u1

response 509

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	57.99#
176.00	21.40	40.13#
0.00	0.00	0.00

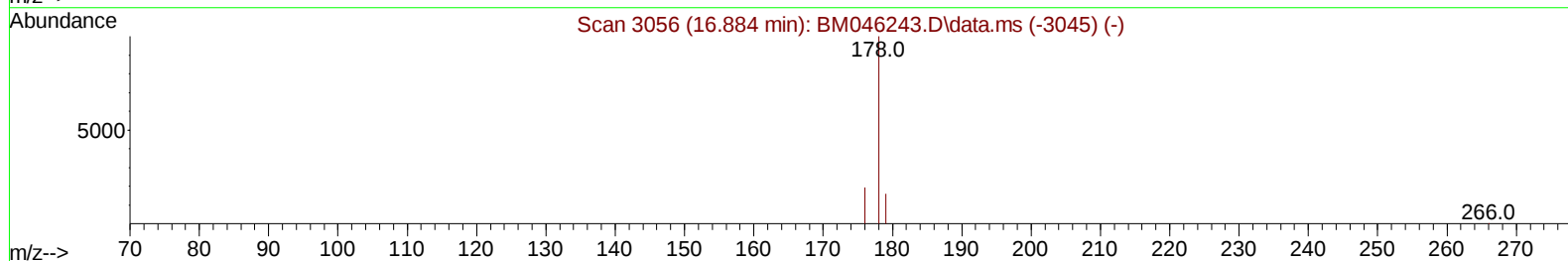
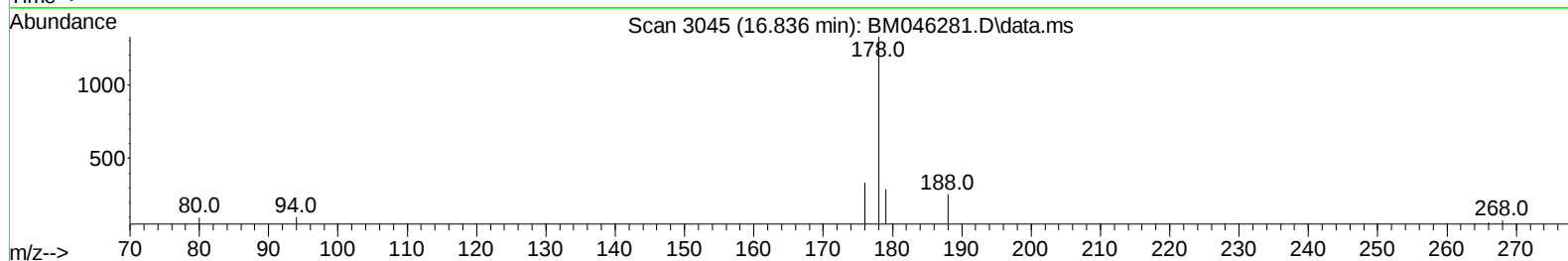
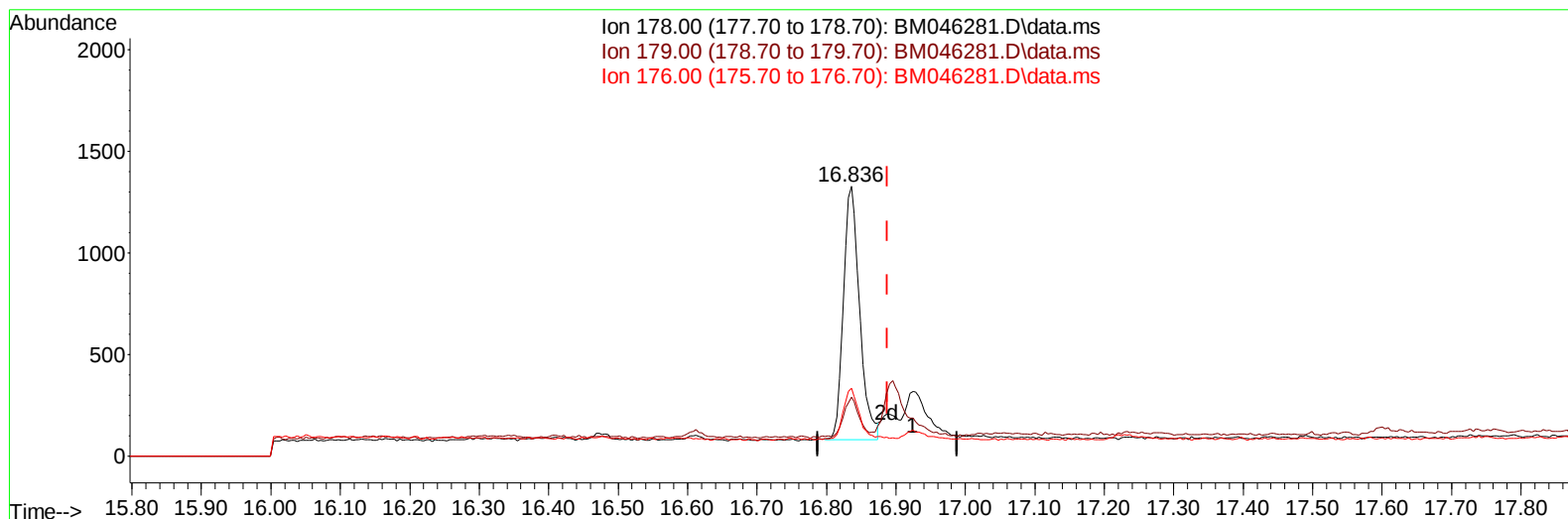
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046281.D
 Acq On : 25 Jun 2024 08:39
 Operator : MA/JU
 Sample : P2844-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(15) Phenanthrene

16.836min (-0.052) 0.10 ng/u1 m

response 2020

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	21.78#
176.00	21.40	25.09
0.00	0.00	0.00

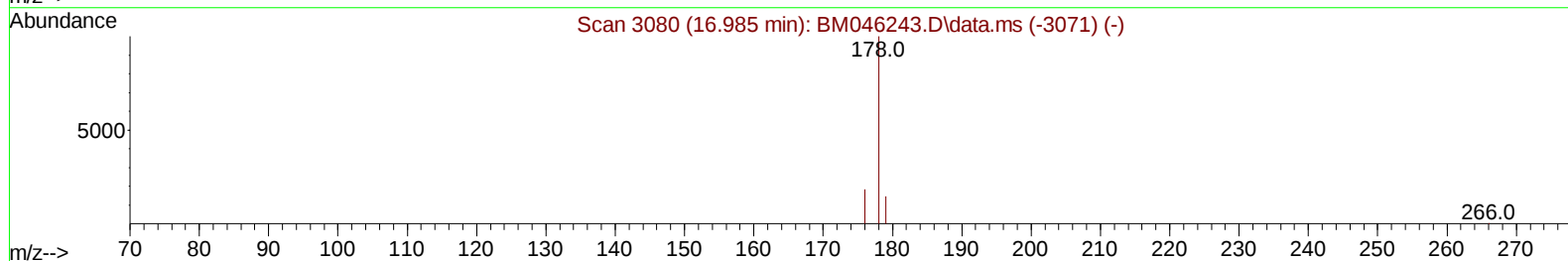
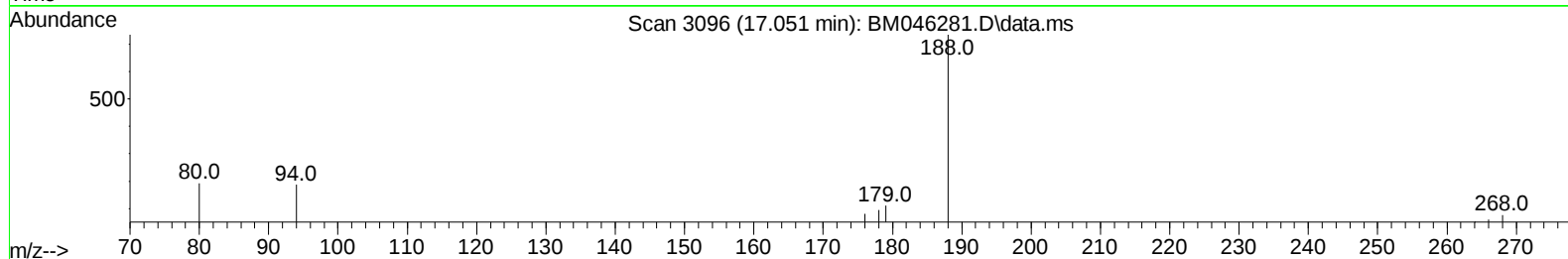
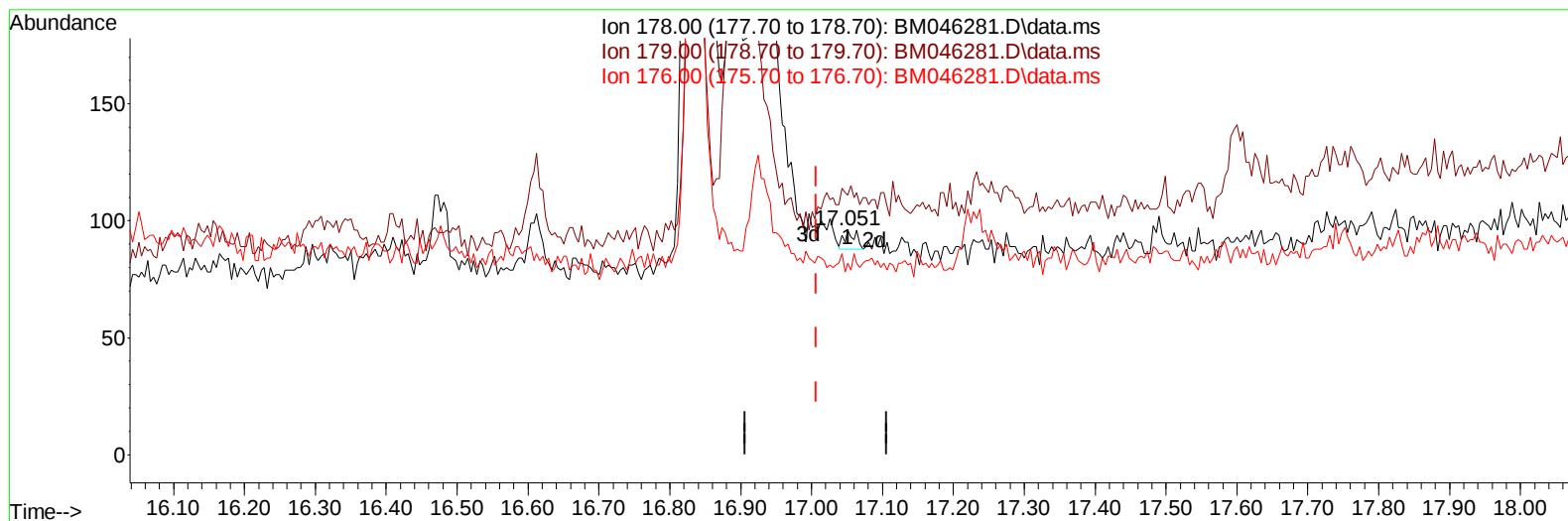
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(16) Anthracene

17.051min (+ 0.045) 0.00 ng/u1

response 9

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	115.63#
176.00	21.20	85.42#
0.00	0.00	0.00

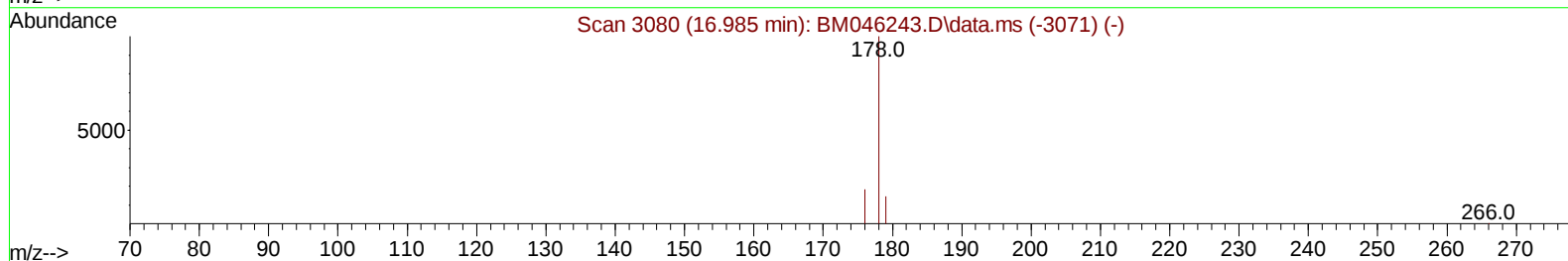
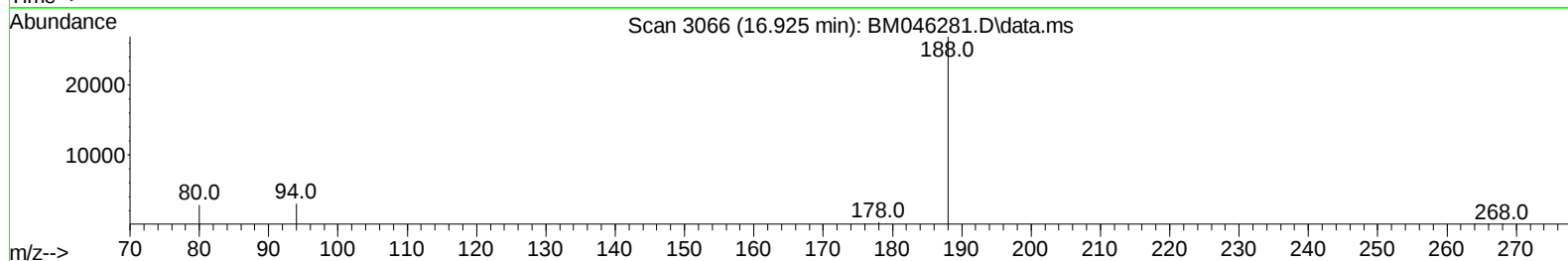
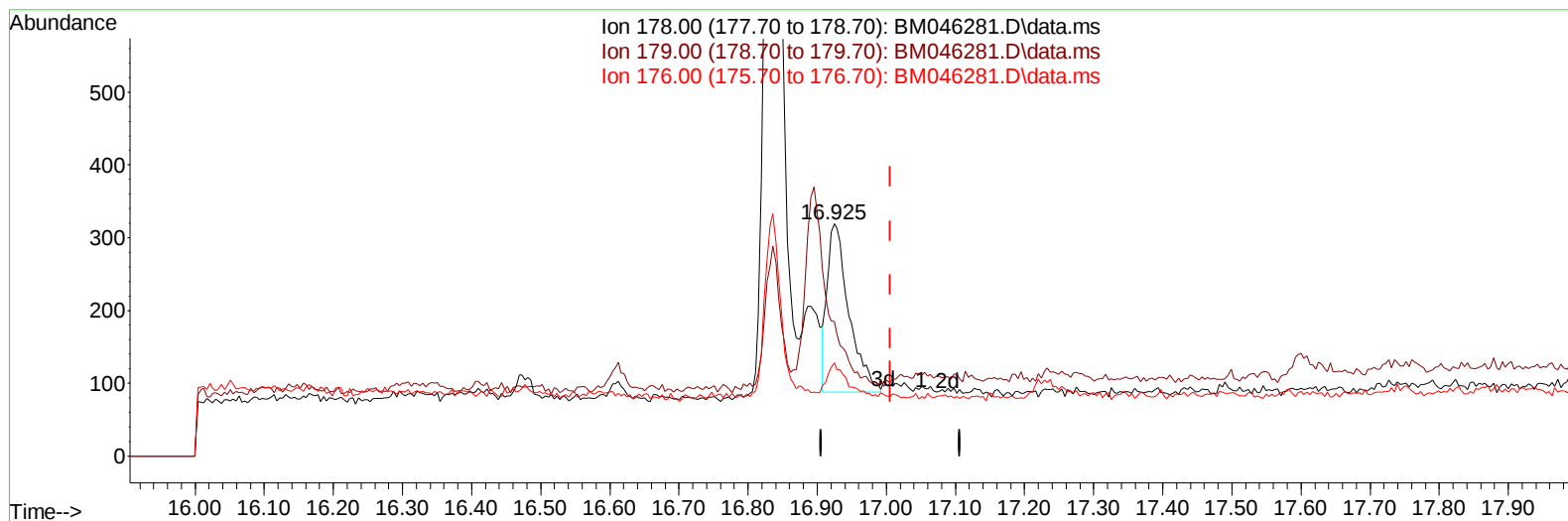
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(16) Anthracene

16.925min (-0.082) 0.03 ng/u1 m

response 503

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	57.99#
176.00	21.20	40.13#
0.00	0.00	0.00

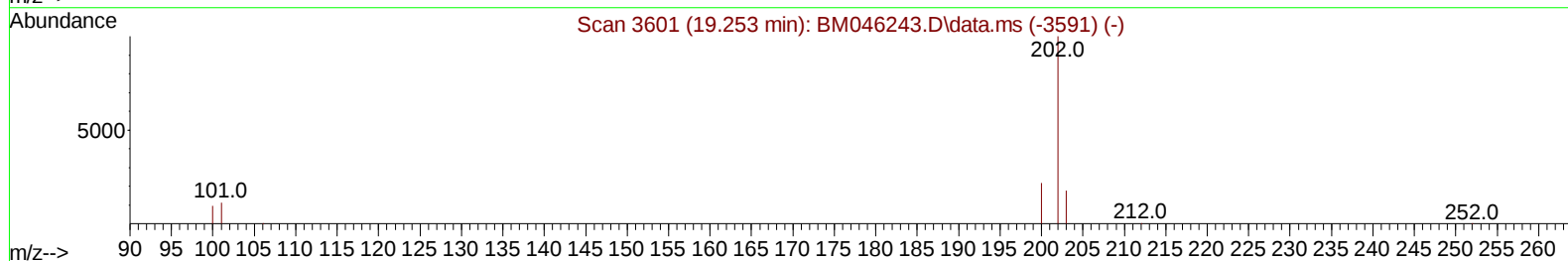
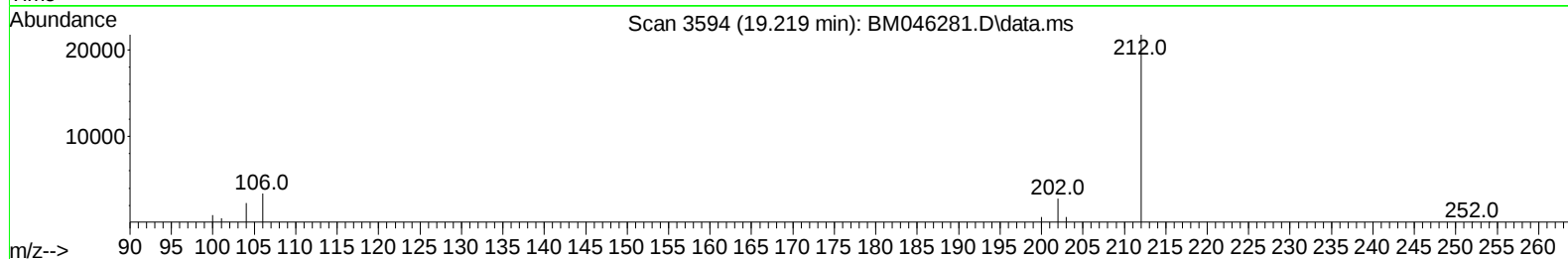
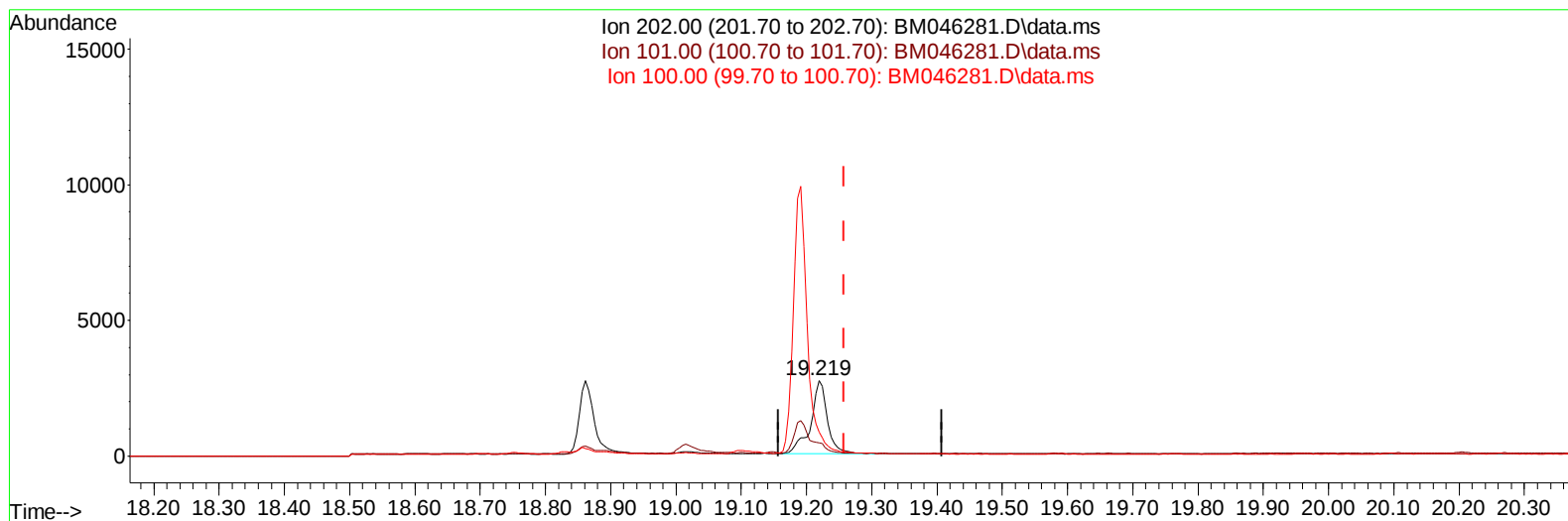
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(20) Pyrene

19.219min (-0.039) 0.18 ng/u1

response 4865

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.10	17.74#
100.00	12.20	31.32#
0.00	0.00	0.00

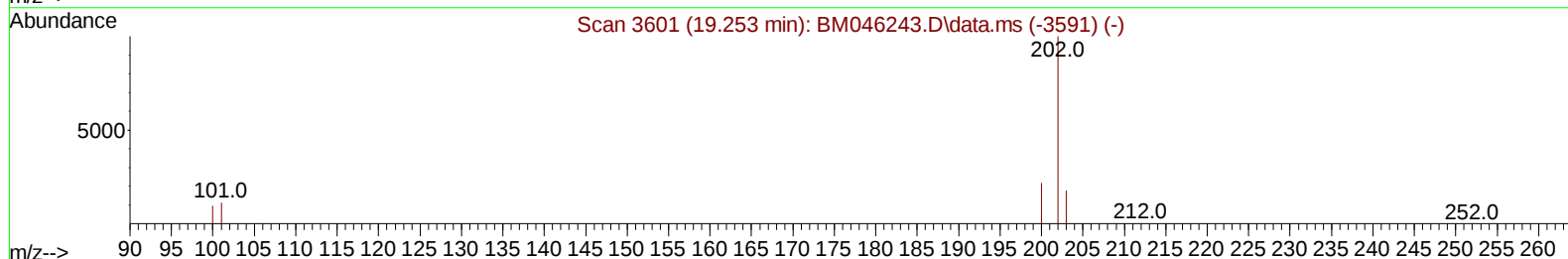
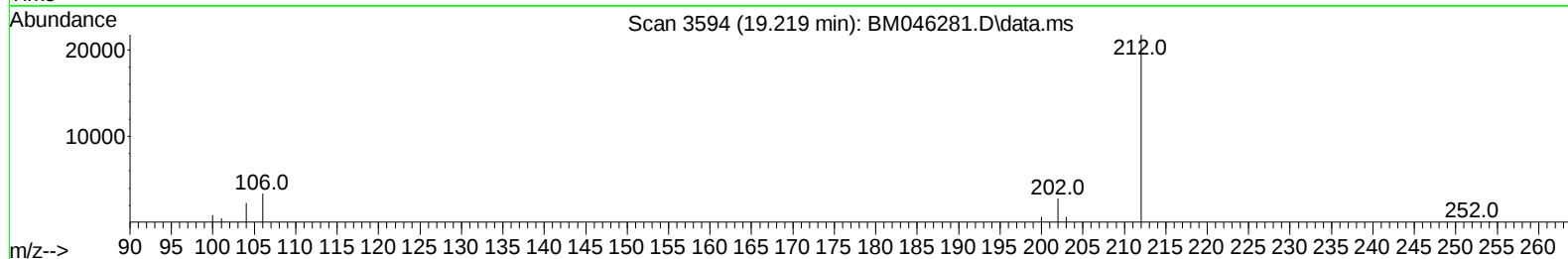
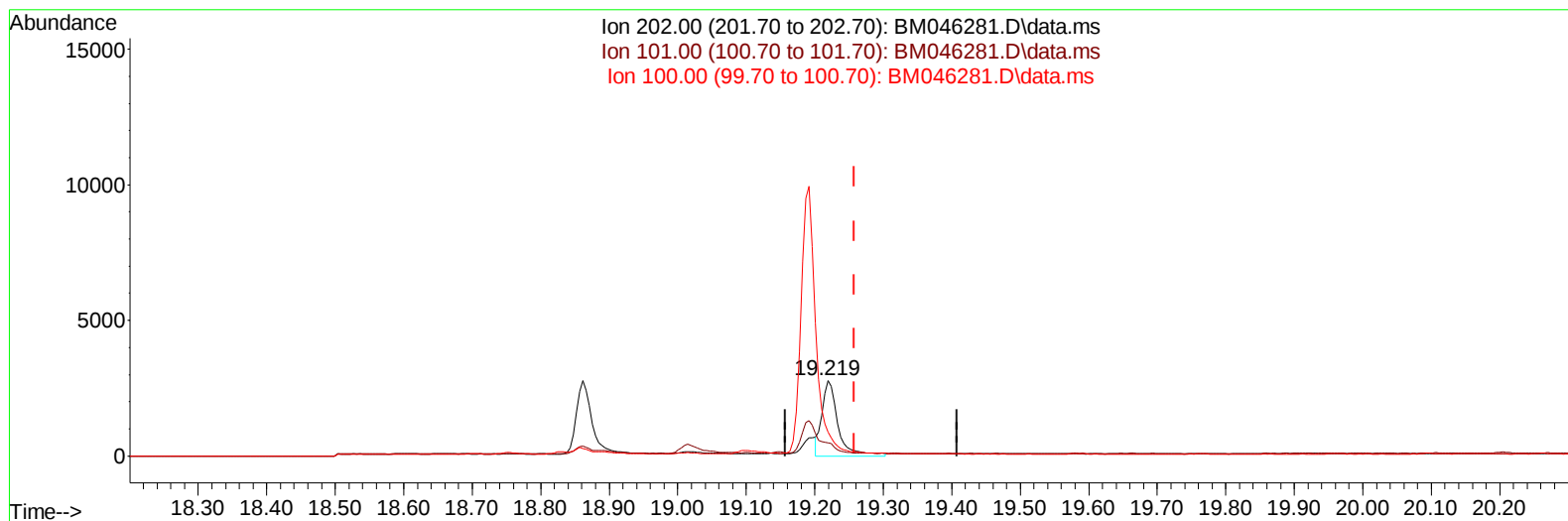
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(20) Pyrene

19.219min (-0.039) 0.17 ng/u1 m

response 4535

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.10	17.74#
100.00	12.20	31.32#
0.00	0.00	0.00

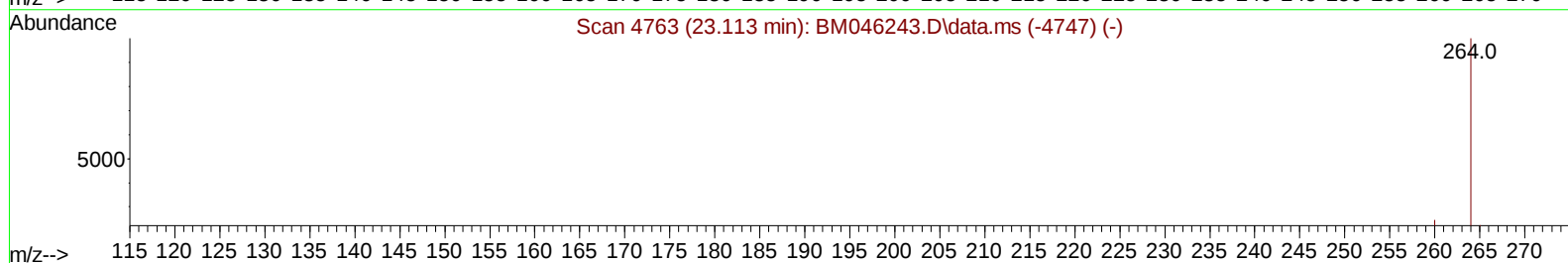
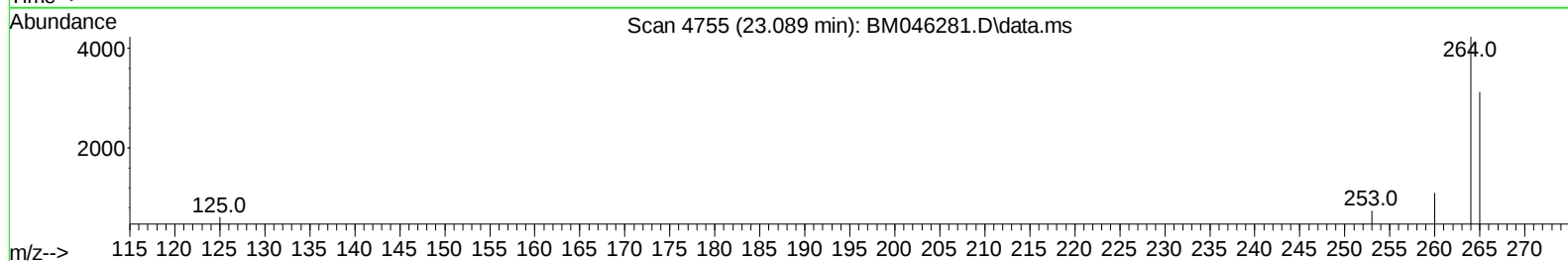
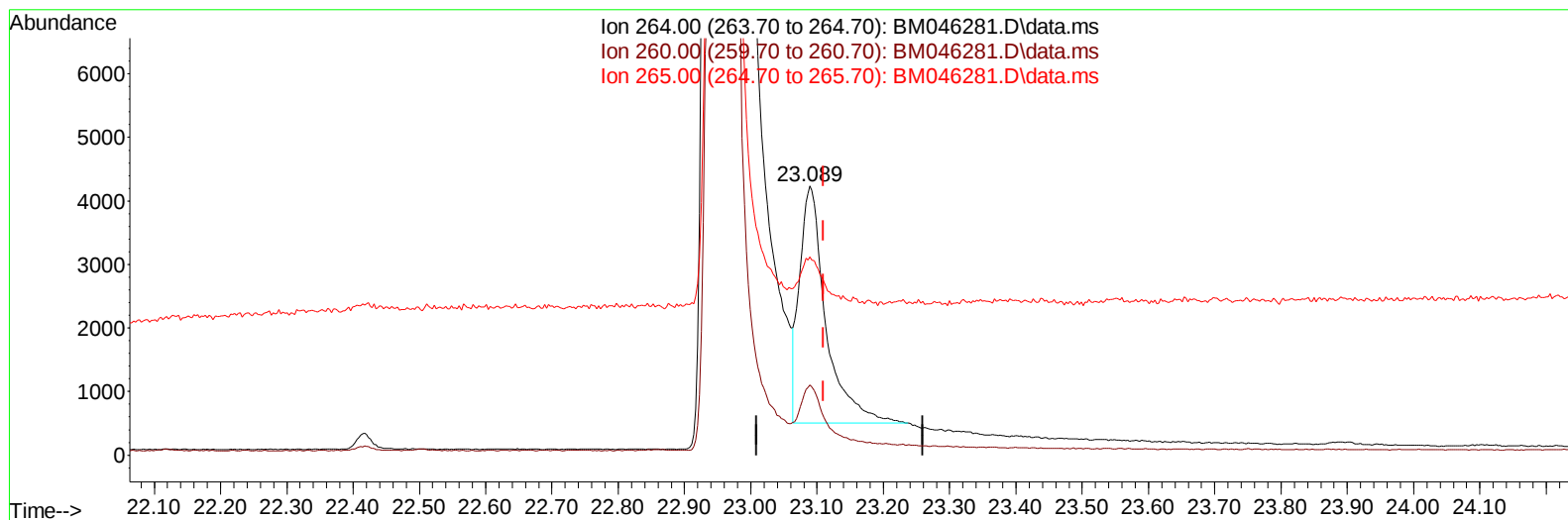
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.020) 0.40 ng/u1

response 10293

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.03
265.00	110.60	73.80#
0.00	0.00	0.00

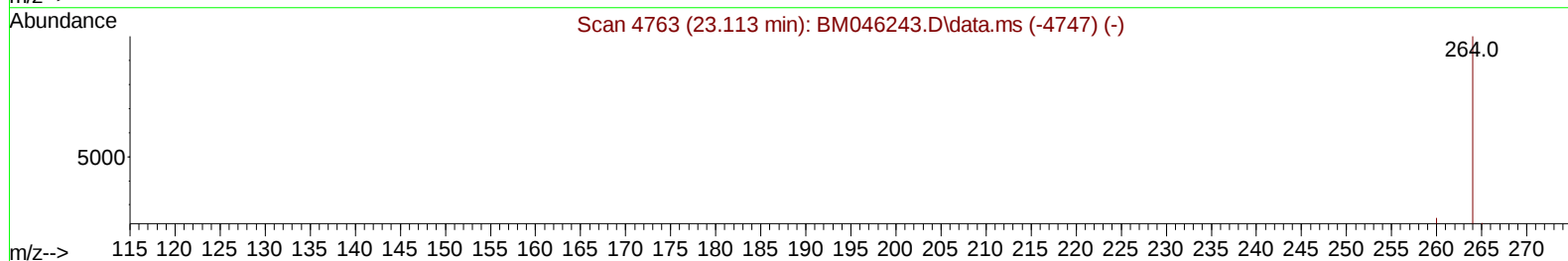
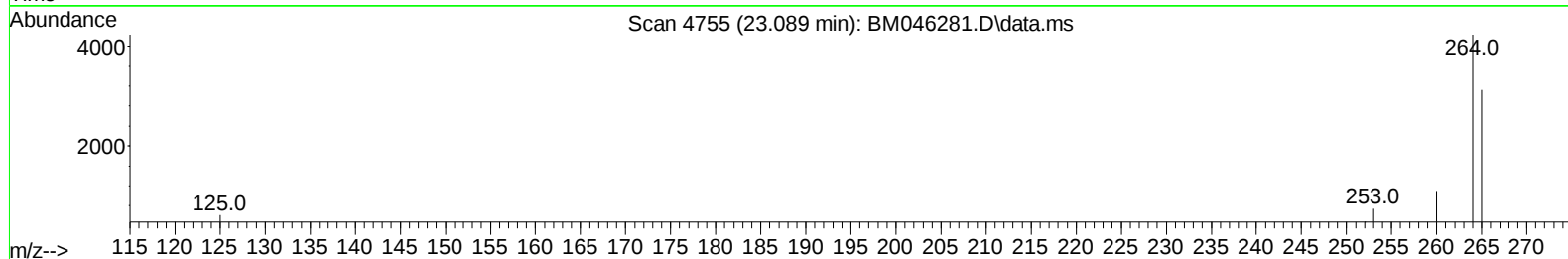
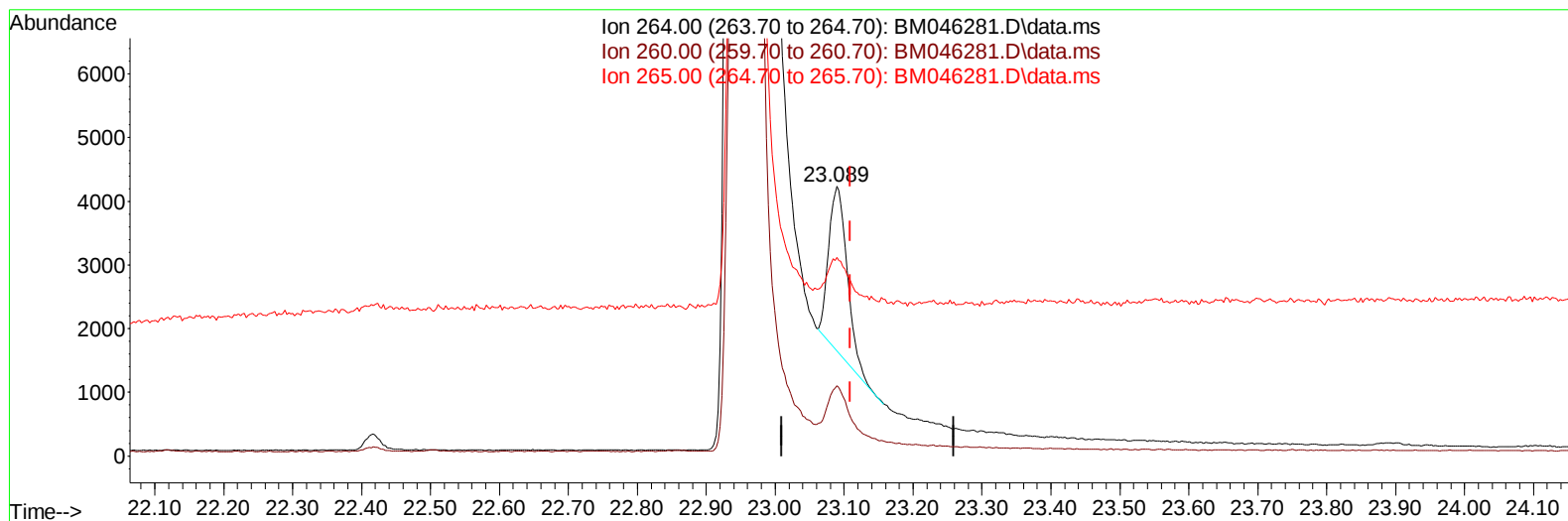
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.020) 0.40 ng/ul m

response 4753

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.03
265.00	110.60	73.80#
0.00	0.00	0.00

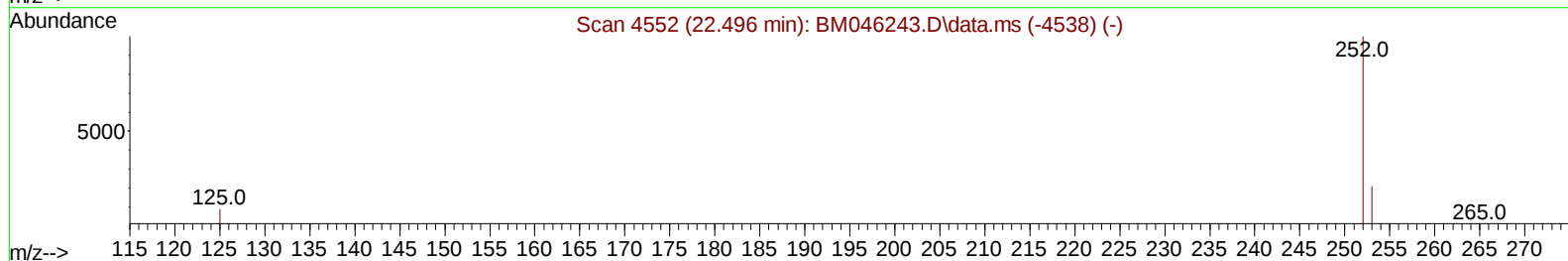
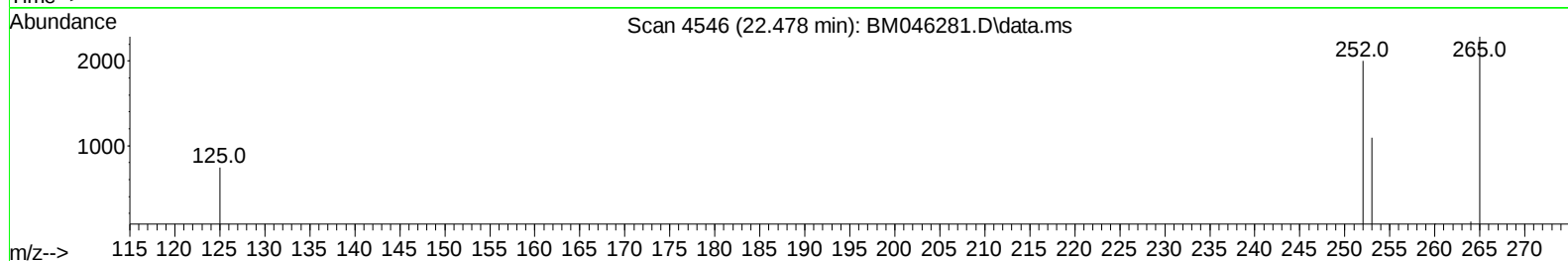
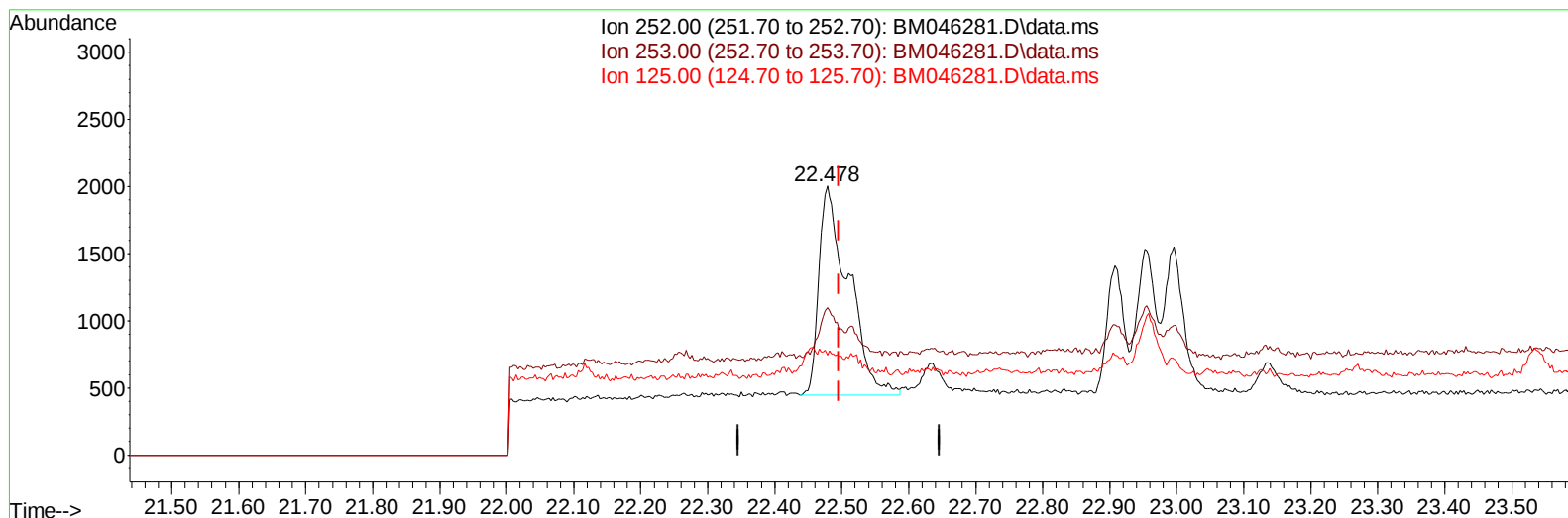
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.017) 0.28 ng/u1

response 4760

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	54.77
125.00	20.10	37.09
0.00	0.00	0.00

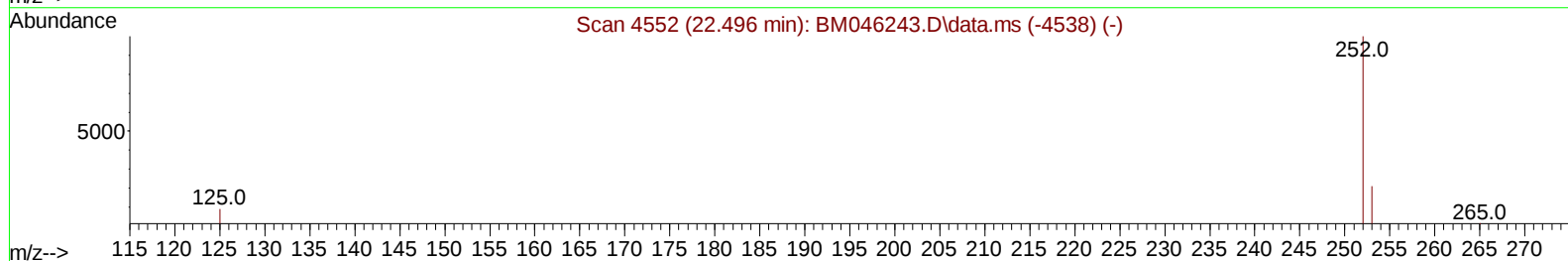
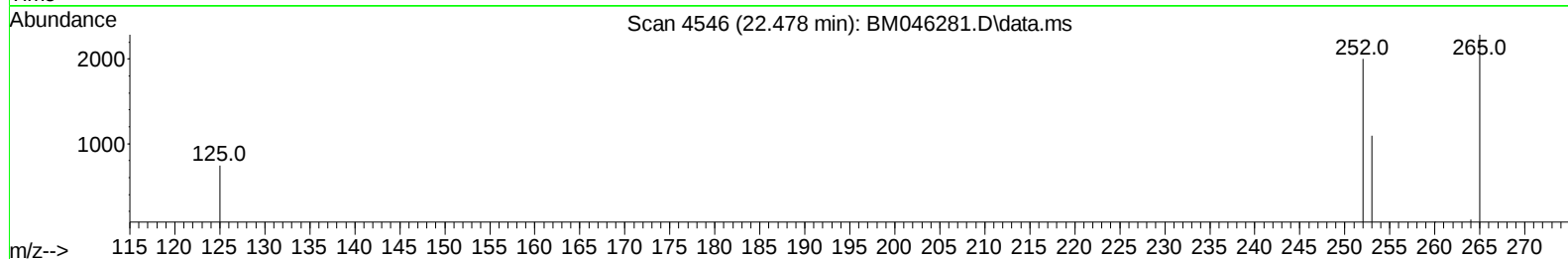
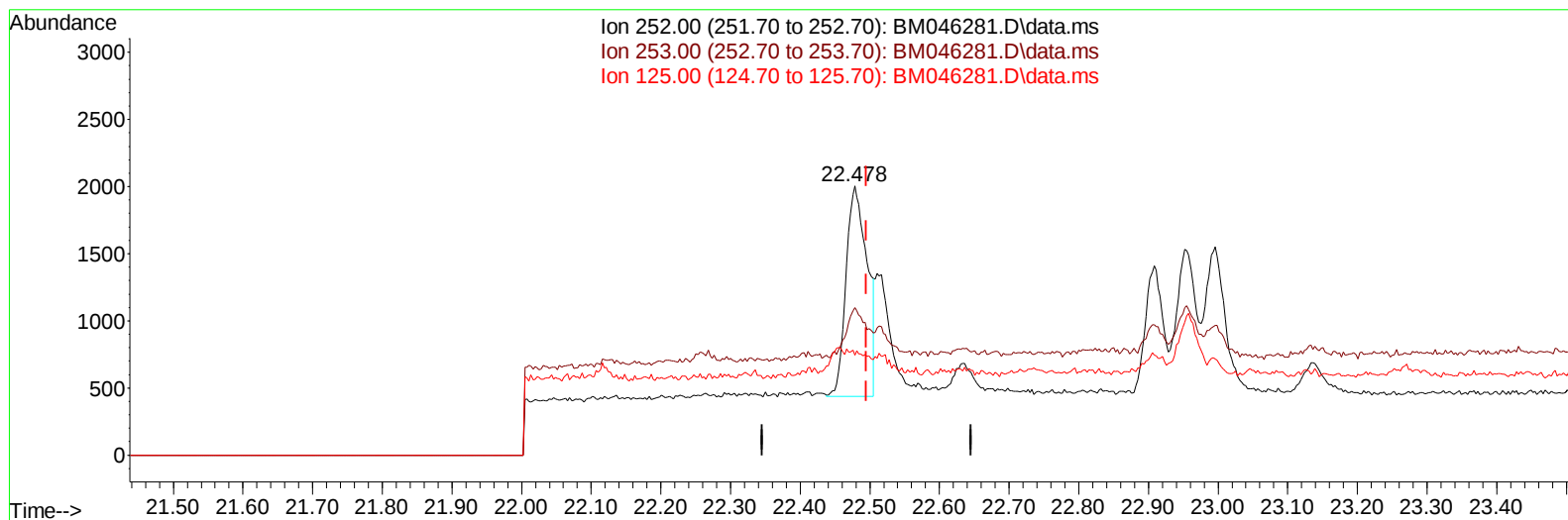
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.017) 0.19 ng/u1 m

response 3285

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	54.77
125.00	20.10	37.09
0.00	0.00	0.00

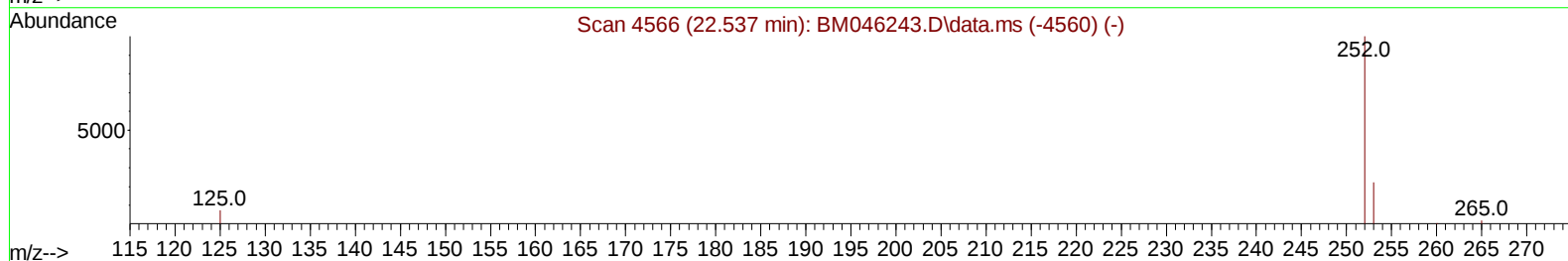
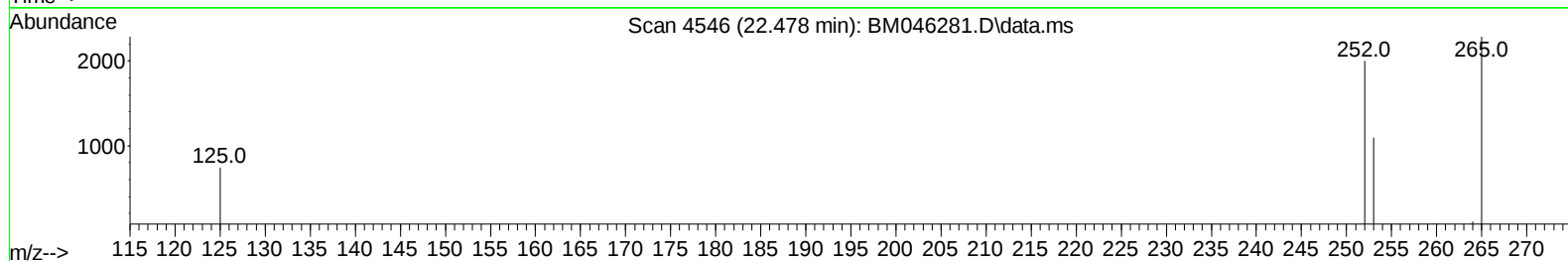
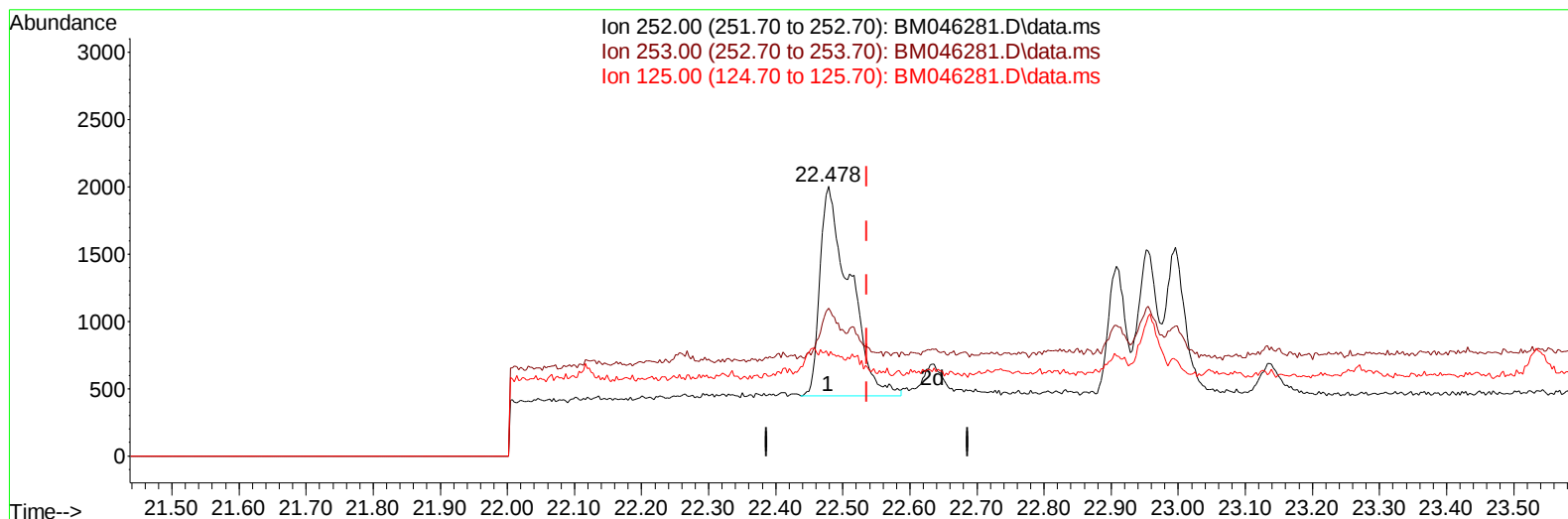
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.058) 0.23 ng/u1

response 4760

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	54.77#
125.00	20.80	37.09#
0.00	0.00	0.00

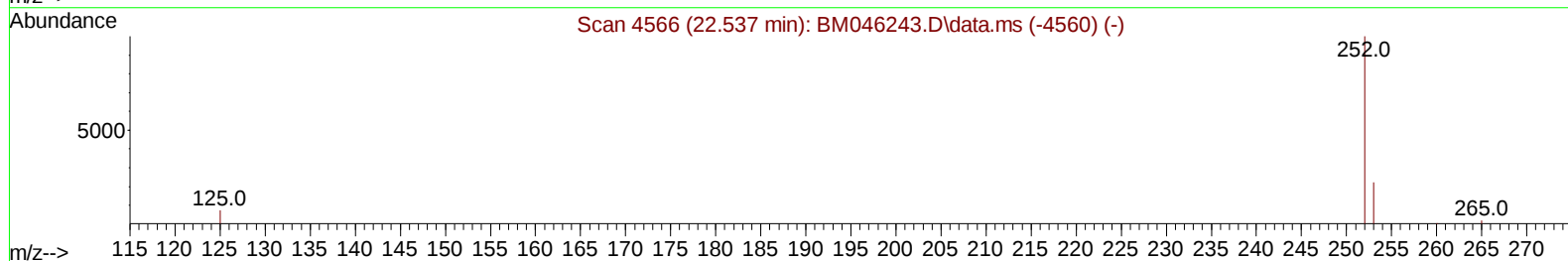
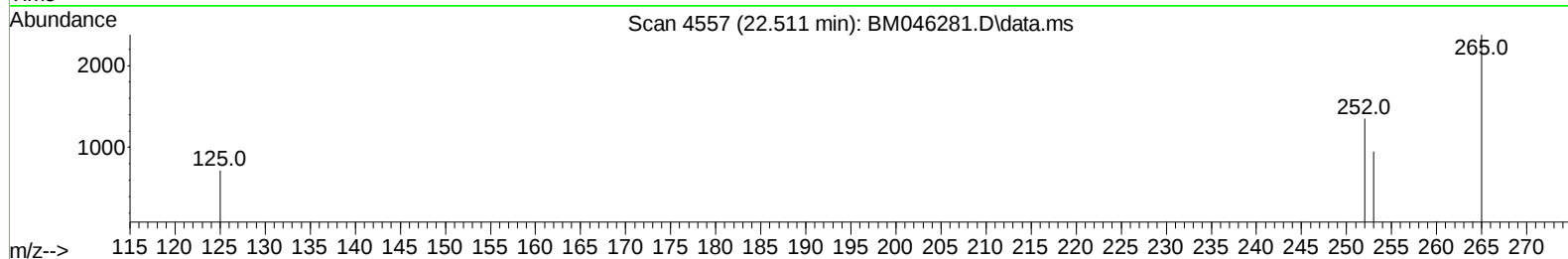
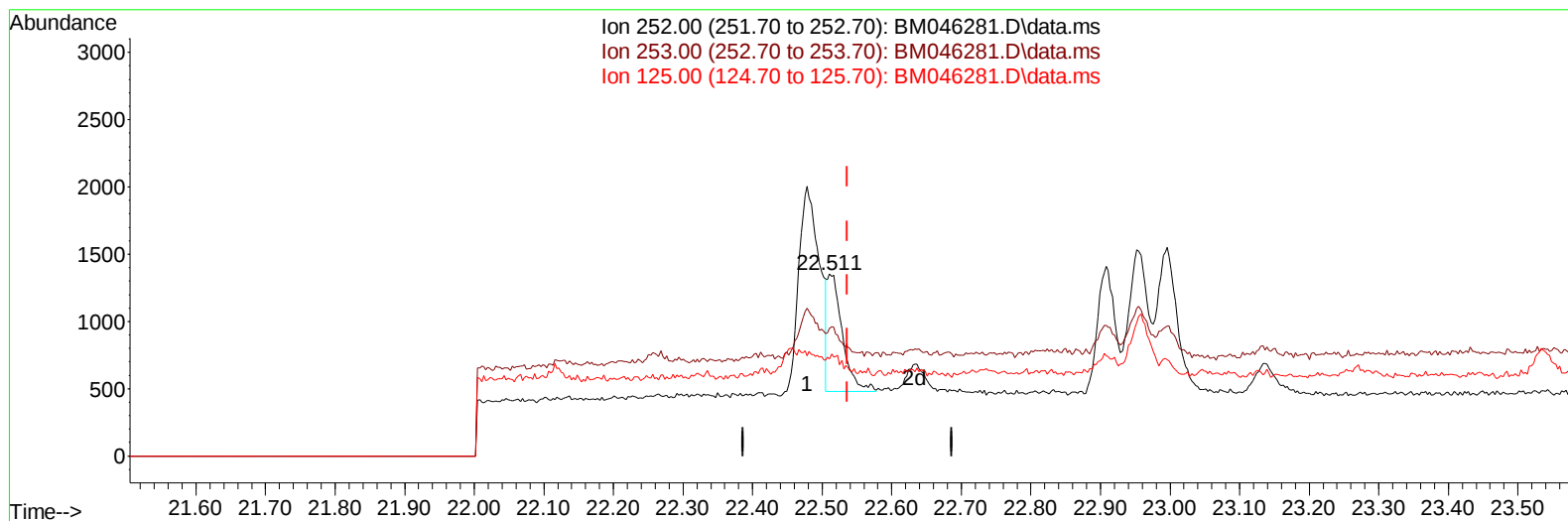
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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: BM046281.D\data.ms

(25) Benzo(k)fluoranthene

22.511min (-0.026) 0.07 ng/u1 m

response 1329

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	69.97#
125.00	20.80	53.18#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046281.D
 Acq On : 25 Jun 2024 08:39
 Operator : MA/JU
 Sample : P2844-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C84

Manual IntegrationsAPPROVED

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

Quant Time: Jun 25 09:10:08 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

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.400	152		2151	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.171	136		6528	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.047	164		3480	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.794	188		7427m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.015	240		5675	0.400	ng/ul	-0.01
23) Perylene-d12	23.089	264		4753m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.021	96		10158	3.442	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.810	152		2305	0.263	ng/ul	-0.06
18) Fluoranthene-d10	18.833	212		5084	0.299	ng/ul	-0.04
Target Compounds							
							Qvalue
15) Phenanthrene	16.836	178		2020m	0.097	ng/ul	
16) Anthracene	16.925	178		503m	0.032	ng/ul	
19) Fluoranthene	18.861	202		4316	0.176	ng/ul	98
20) Pyrene	19.219	202		4535m	0.171	ng/ul	
21) Benzo(a)anthracene	21.000	228		1890	0.086	ng/ul#	85
22) Chrysene	21.053	228		2255	0.081	ng/ul#	91
24) Benzo(b)fluoranthene	22.478	252		3285m	0.192	ng/ul	
25) Benzo(k)fluoranthene	22.511	252		1329m	0.065	ng/ul	
26) Benzo(a)pyrene	22.996	252		2073	0.131	ng/ul#	63
27) Indeno(1,2,3-cd)pyrene	25.162	276		2045	0.079	ng/ul#	1
29) Benzo(g,h,i)perylene	25.776	276		1862	0.084	ng/ul#	60

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046281.D
Acq On : 25 Jun 2024 08:39
Operator : MA/JU
Sample : P2844-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C84

Manual IntegrationsAPPROVED

Quant Time: Jun 25 09:10:08 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

