

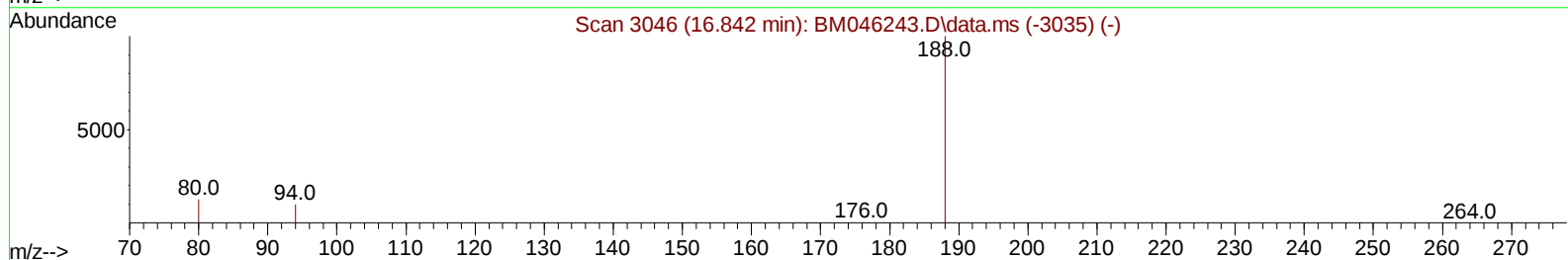
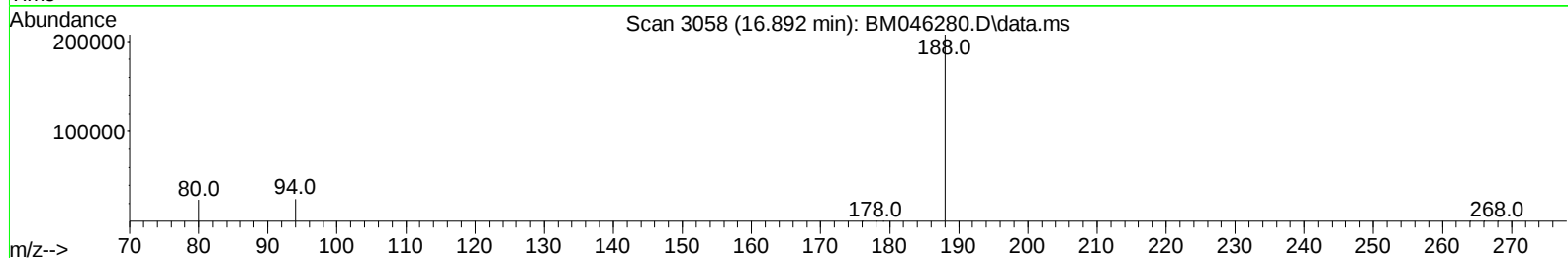
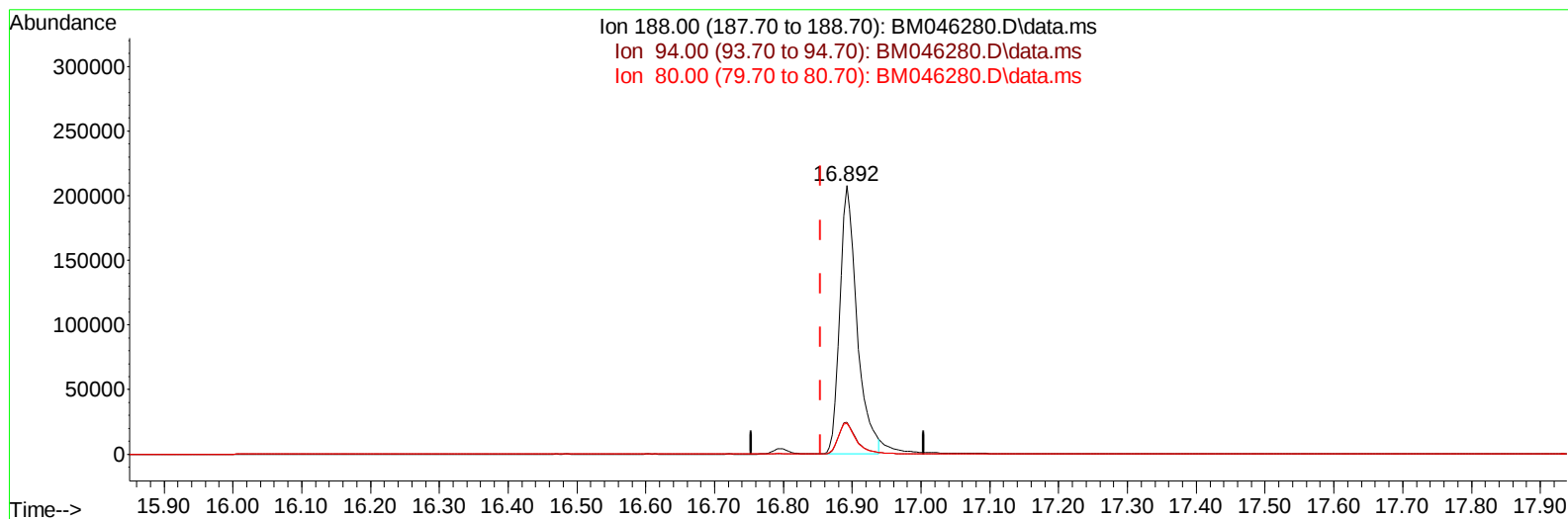
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(13) Phenanthrene-d10 (I)

16.892min (+ 0.038) 0.40 ng/u1

response 359888

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.00
80.00	15.20	11.53#
0.00	0.00	0.00

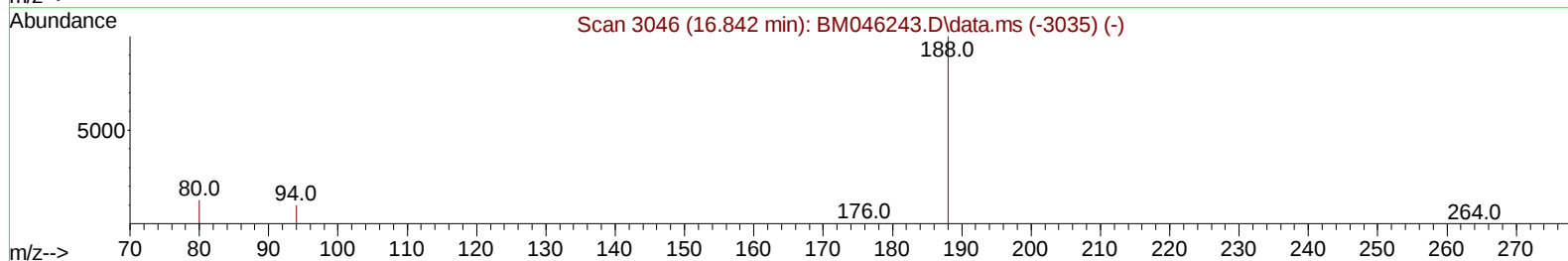
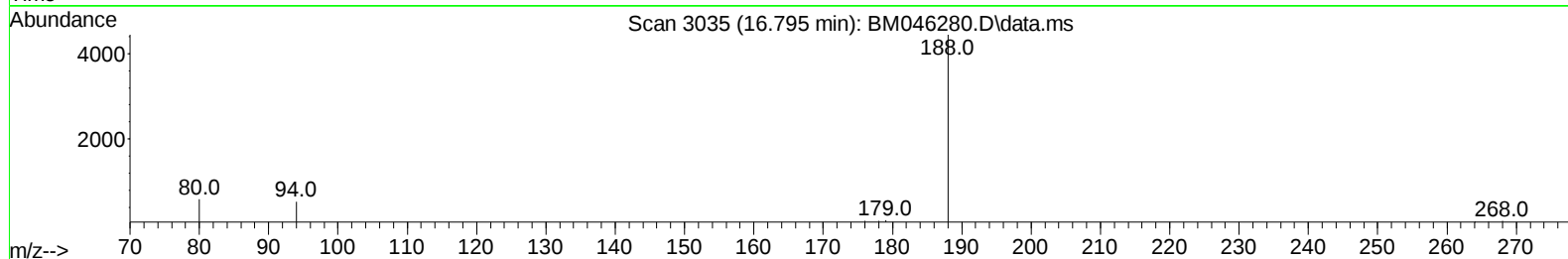
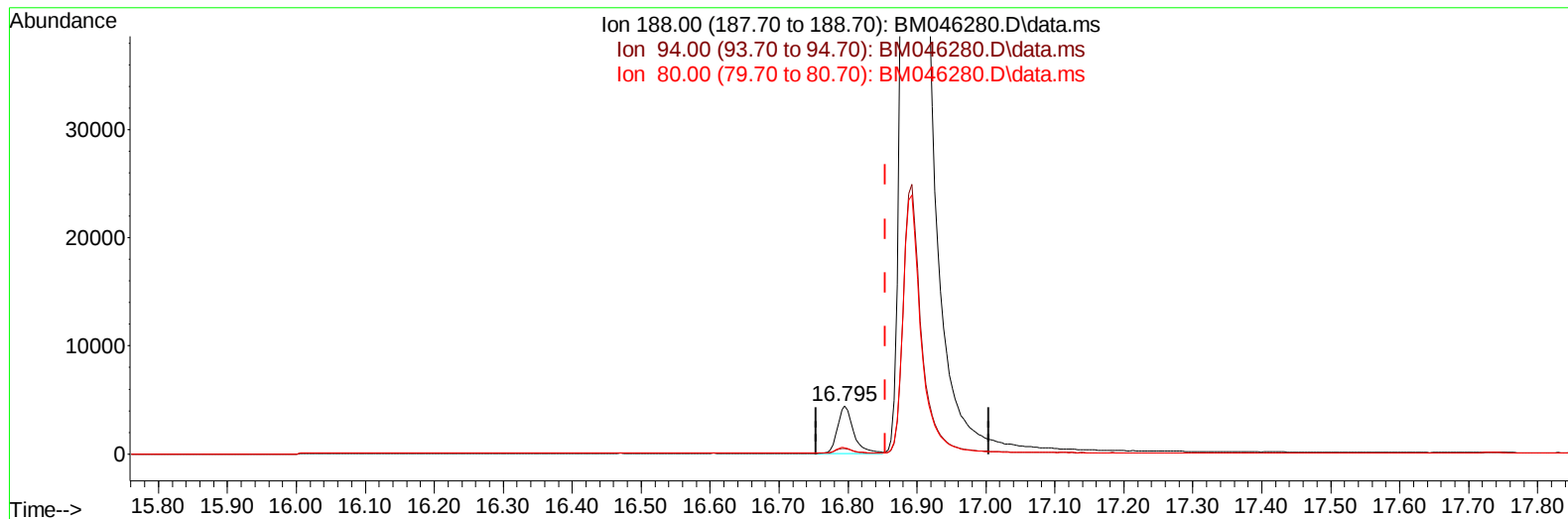
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(13) Phenanthrene-d10 (I)

16.795min (-0.059) 0.40 ng/ul m

response 7116

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.88
80.00	15.20	13.35
0.00	0.00	0.00

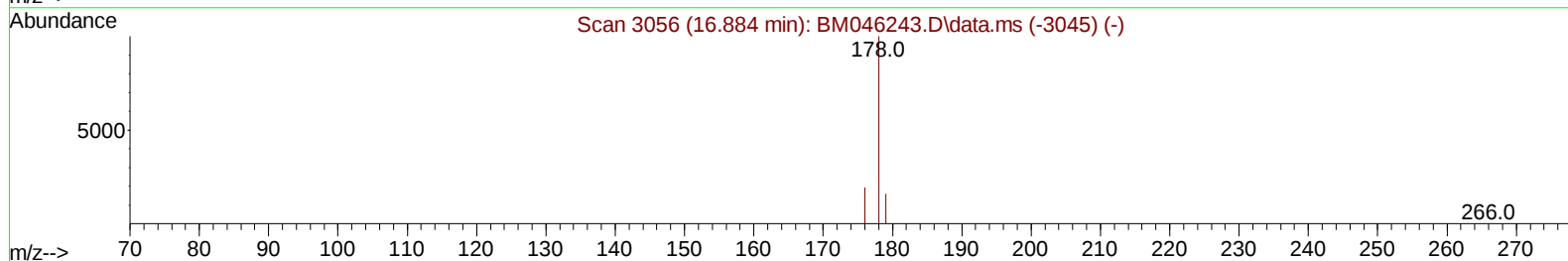
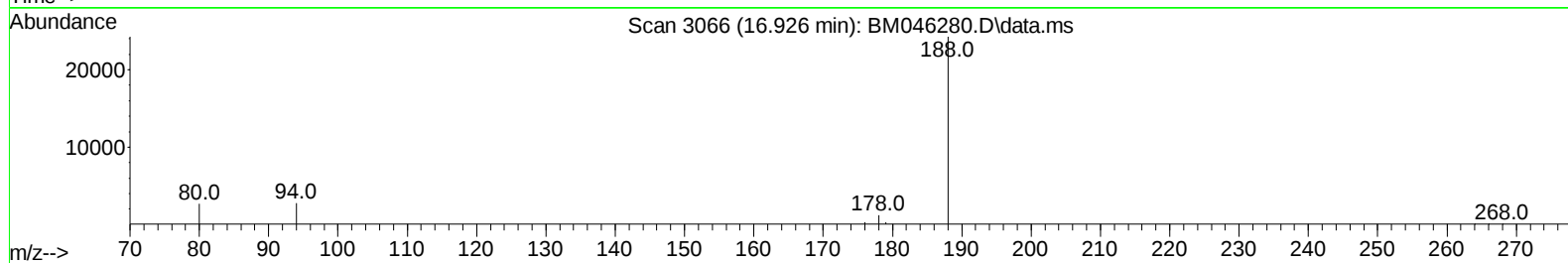
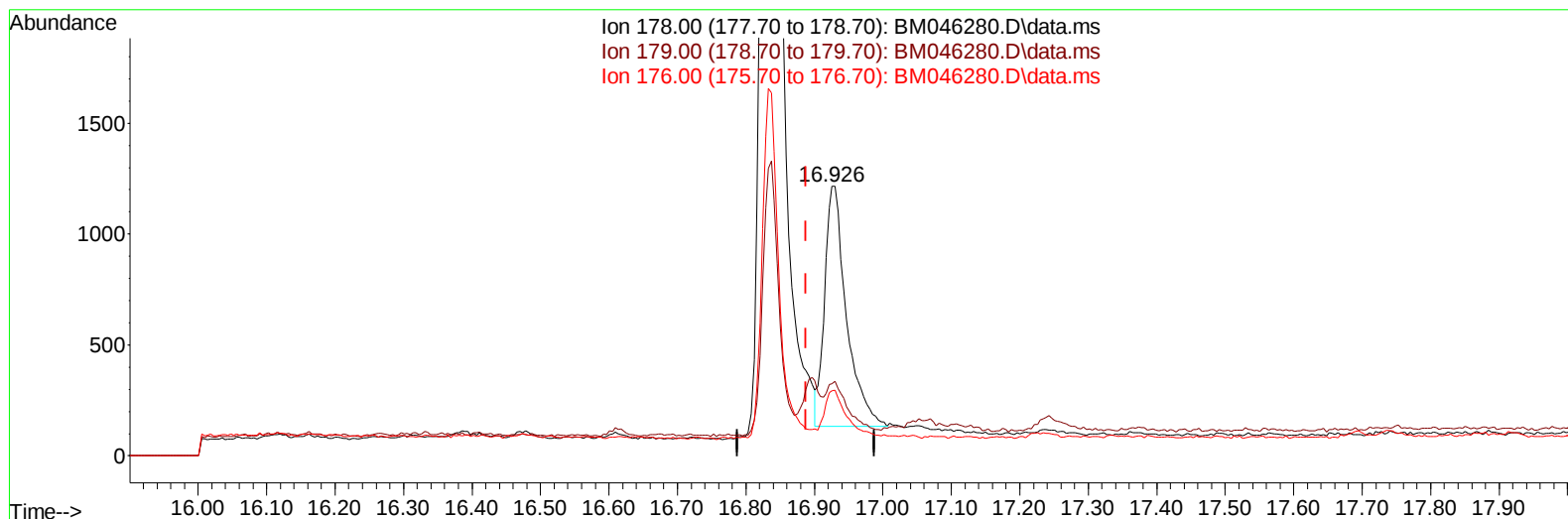
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(15) Phenanthrene

16.926min (+ 0.038) 0.12 ng/u1

response 2387

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	26.75#
176.00	21.40	24.12
0.00	0.00	0.00

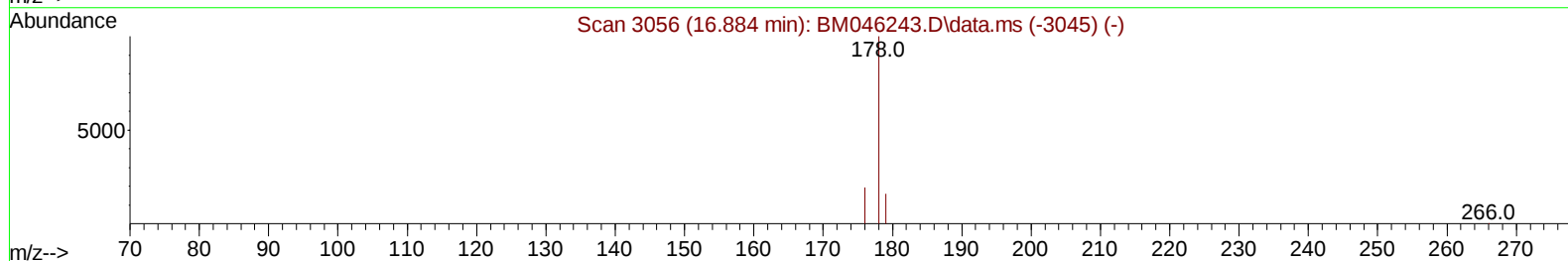
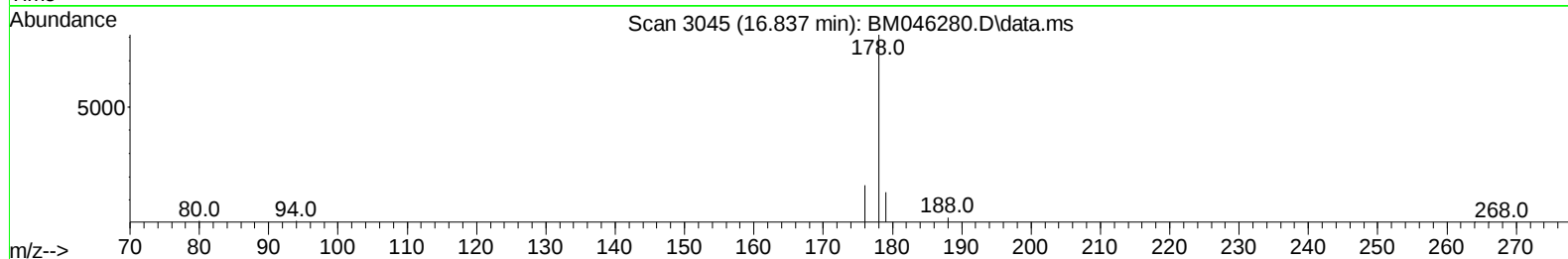
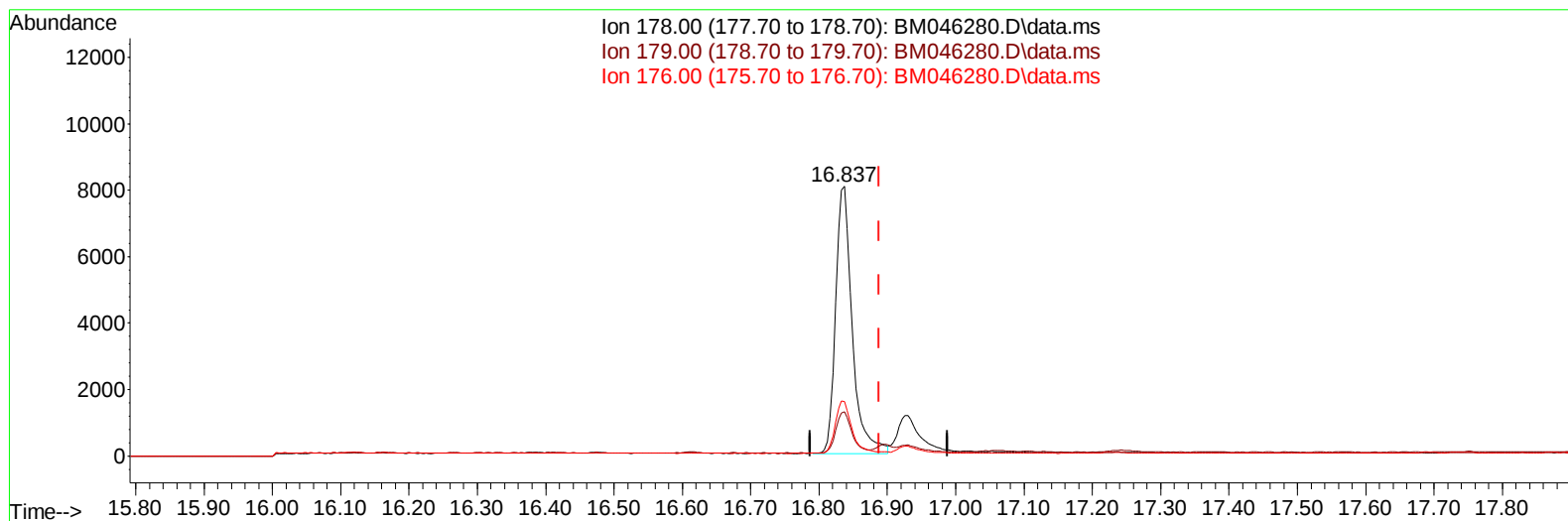
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046280.D
 Acq On : 25 Jun 2024 08:03
 Operator : MA/JU
 Sample : P2844-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(15) Phenanthrene

16.837min (-0.051) 0.68 ng/ul m

response 13637

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.38
176.00	21.40	20.18
0.00	0.00	0.00

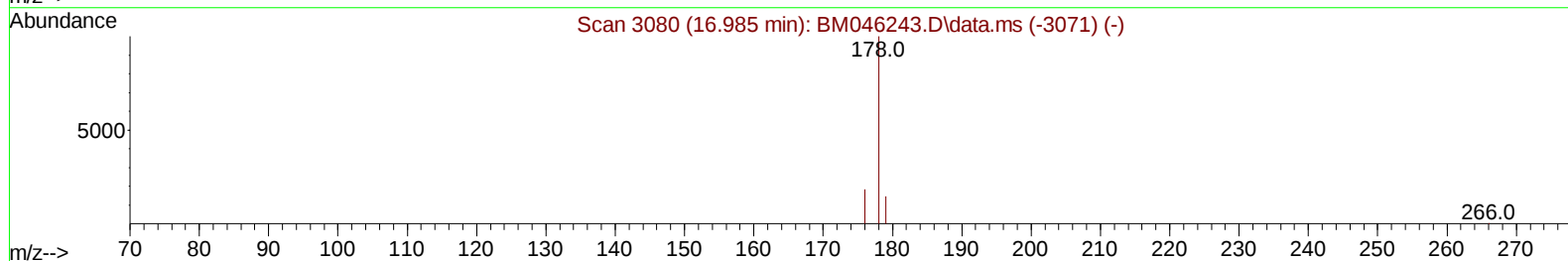
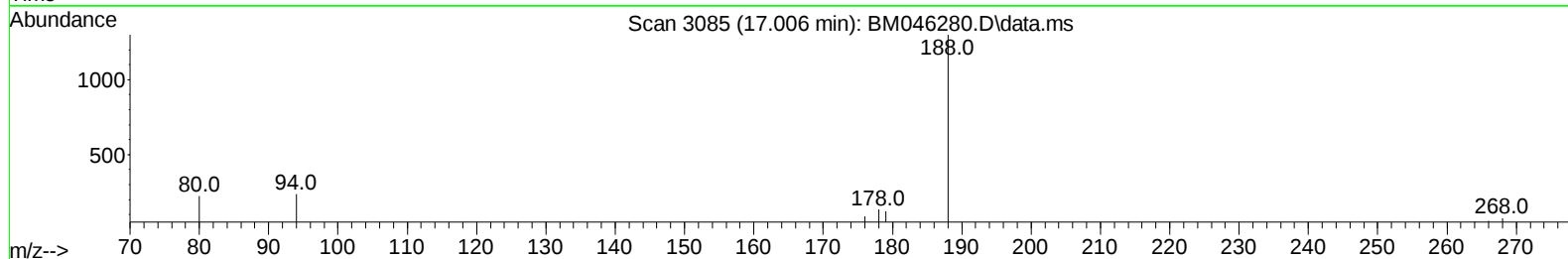
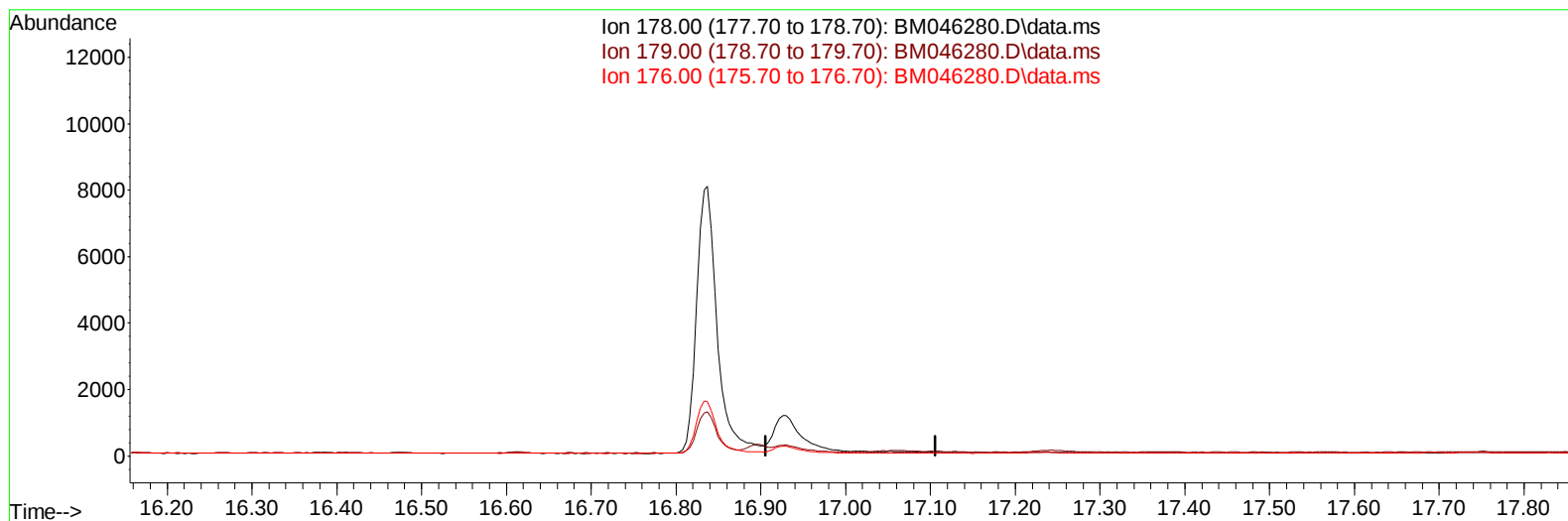
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.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

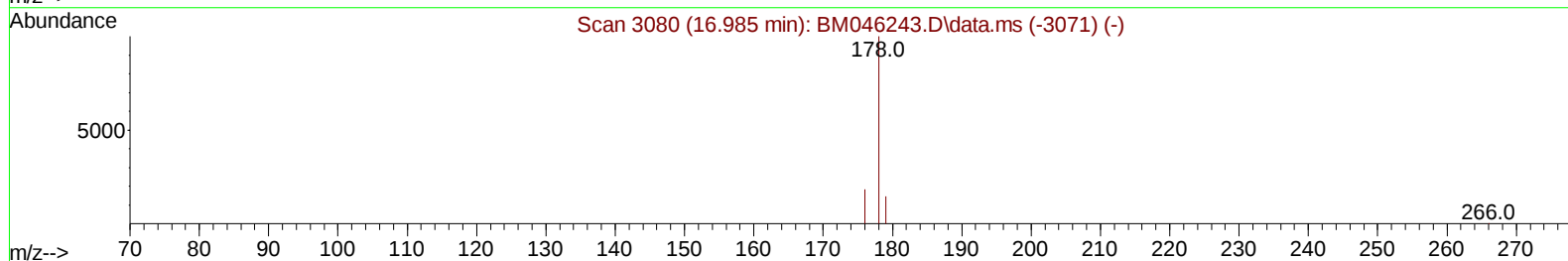
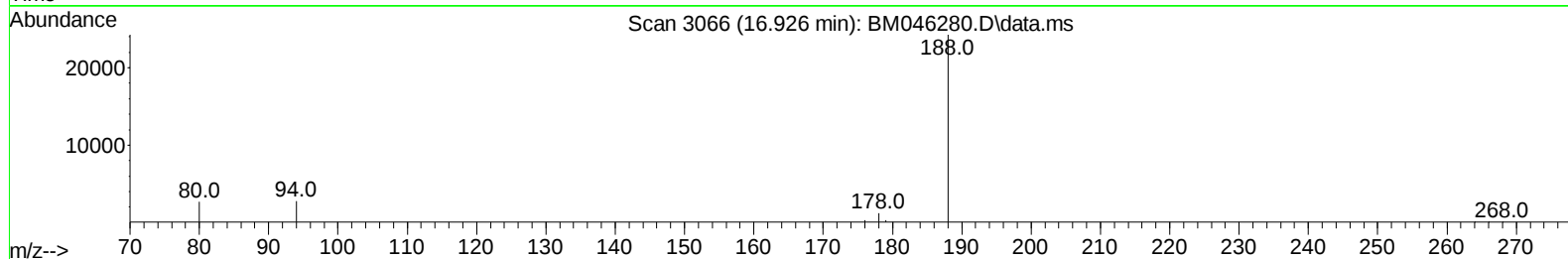
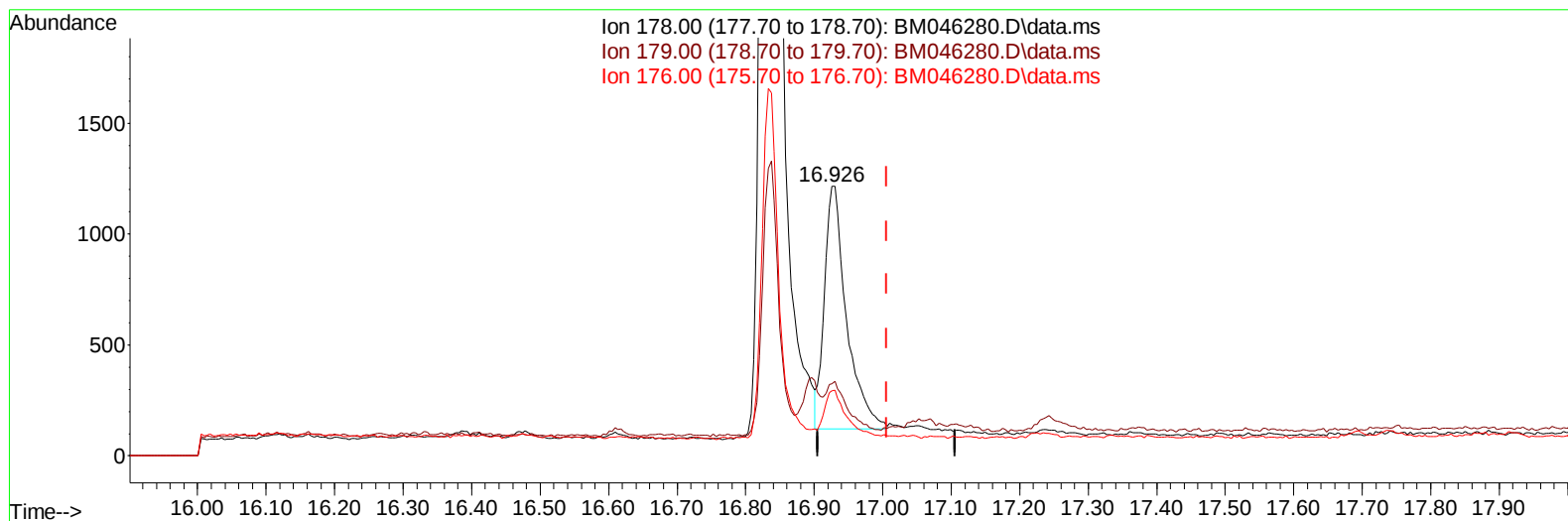
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(16) Anthracene

16.926min (-0.080) 0.17 ng/ul m

response 2463

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	26.75#
176.00	21.20	24.12
0.00	0.00	0.00

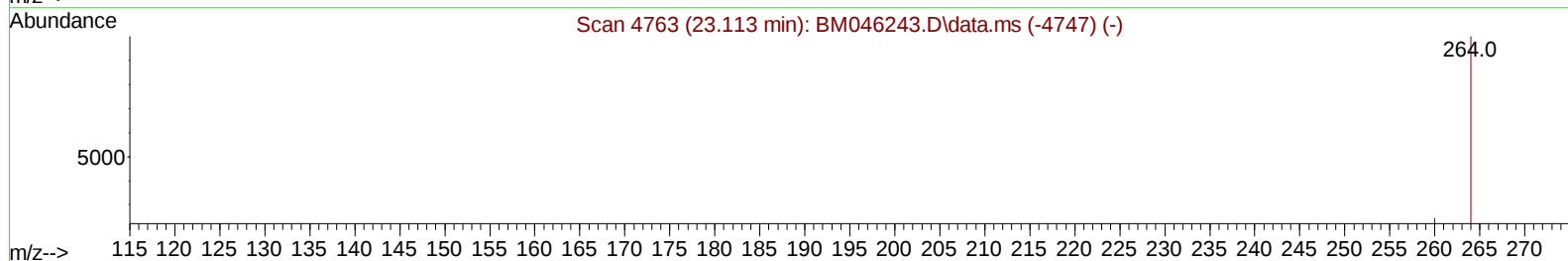
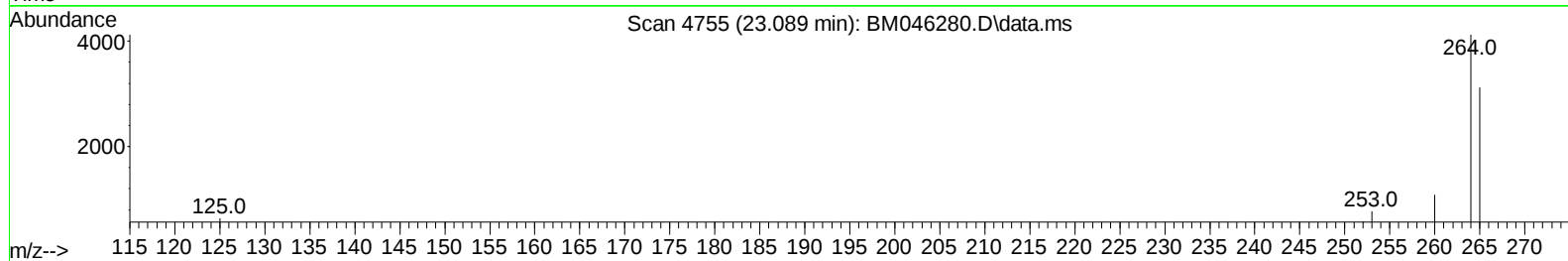
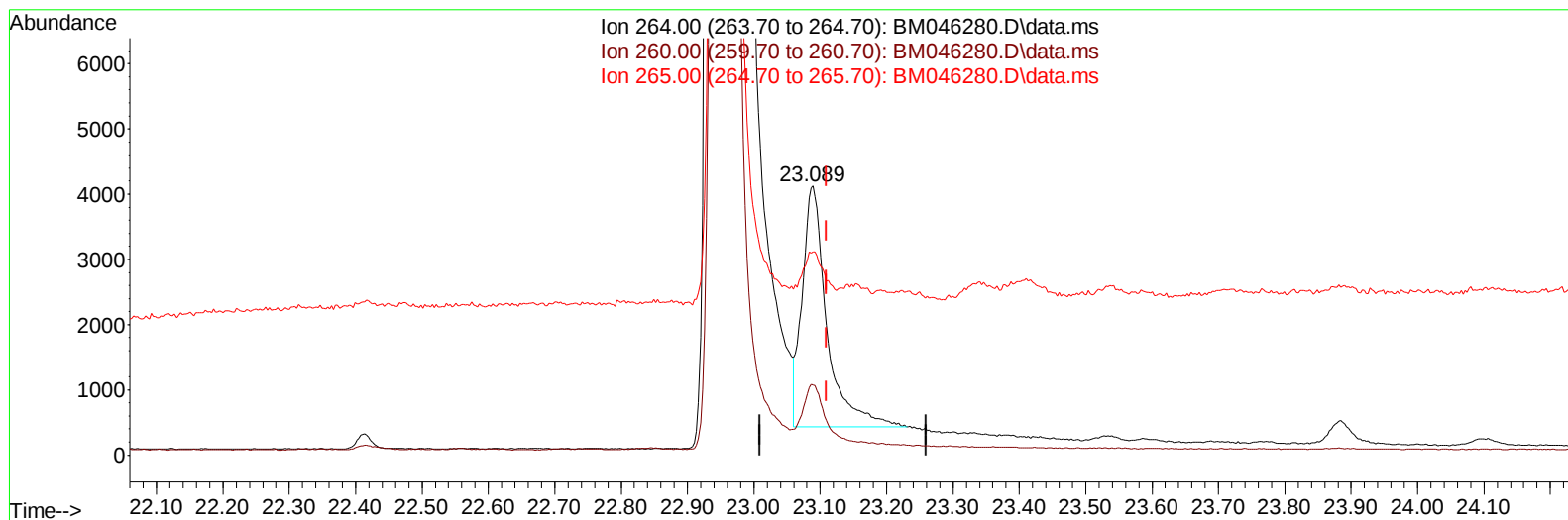
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.021) 0.40 ng/u1

response 9567

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.17
265.00	110.60	75.70#
0.00	0.00	0.00

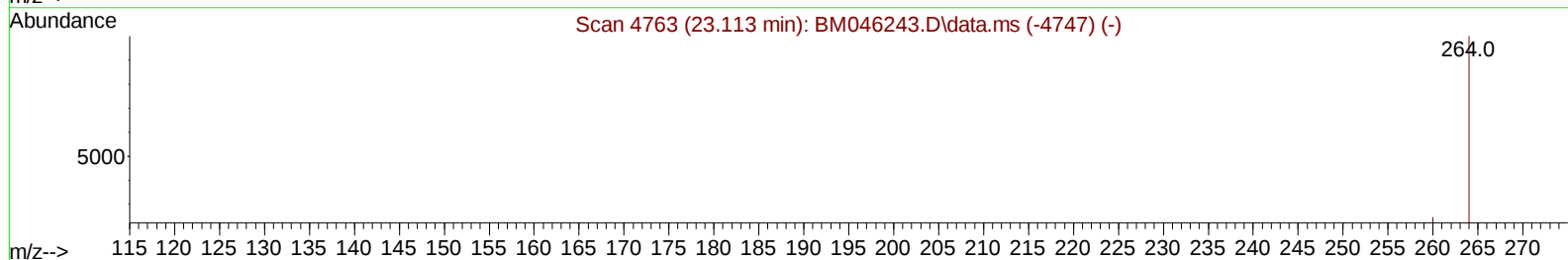
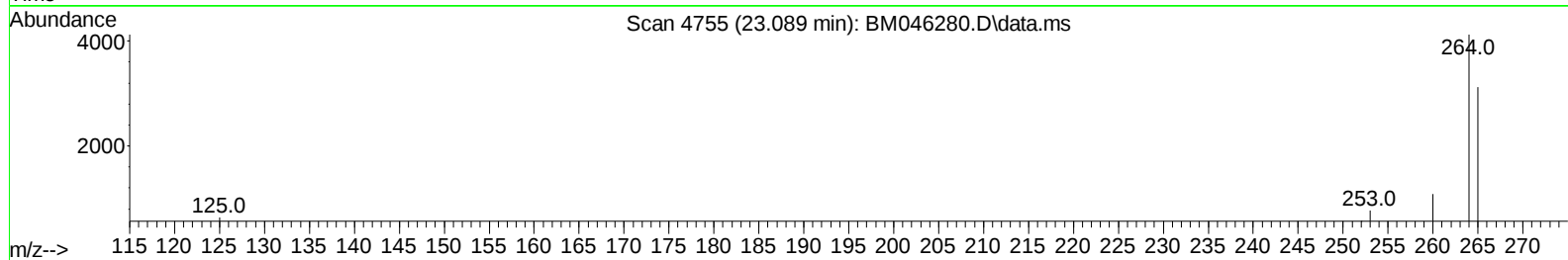
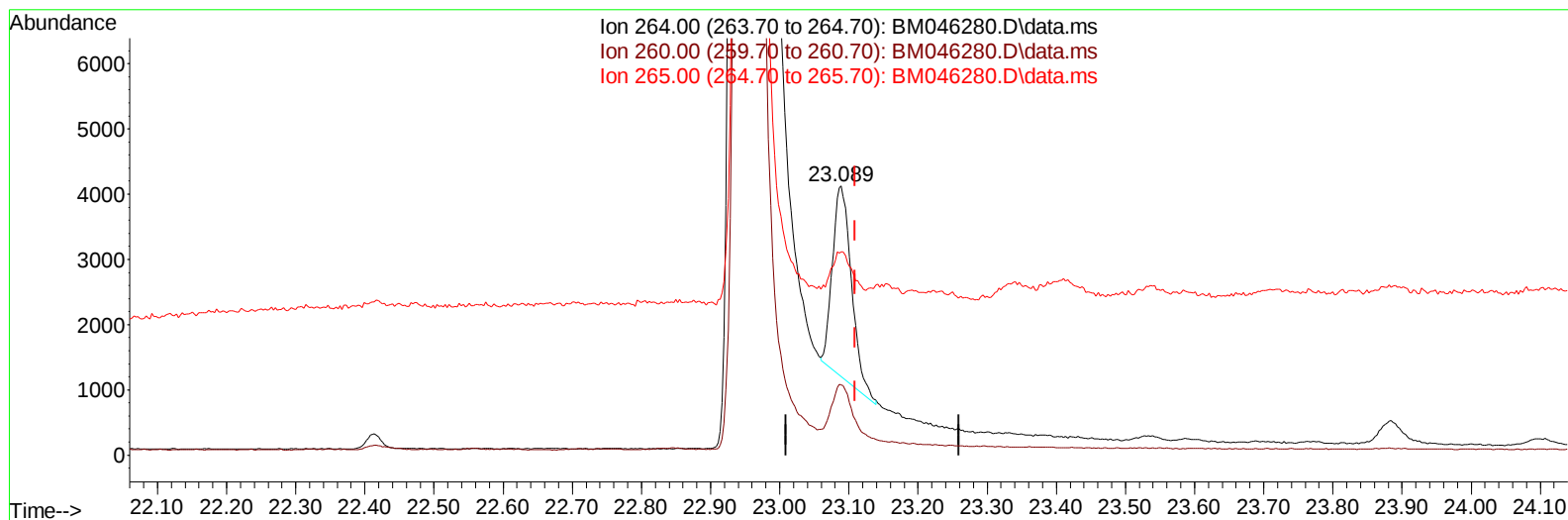
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.021) 0.40 ng/ul m

response 5558

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.17
265.00	110.60	75.70#
0.00	0.00	0.00

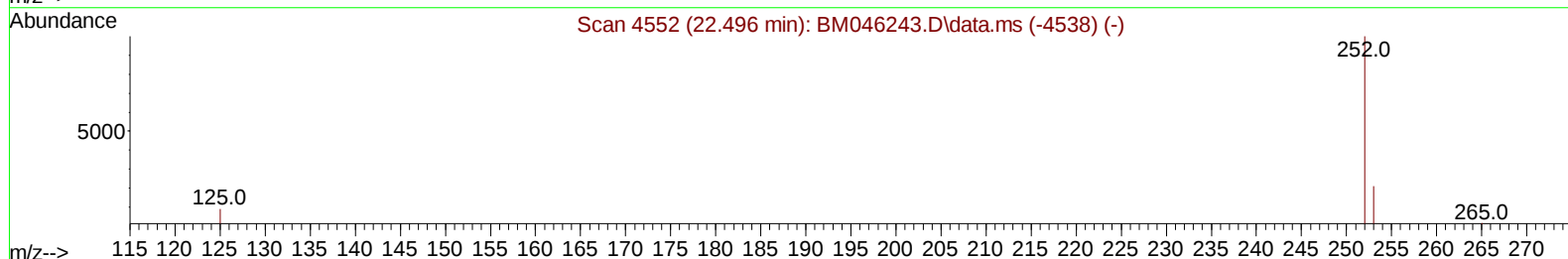
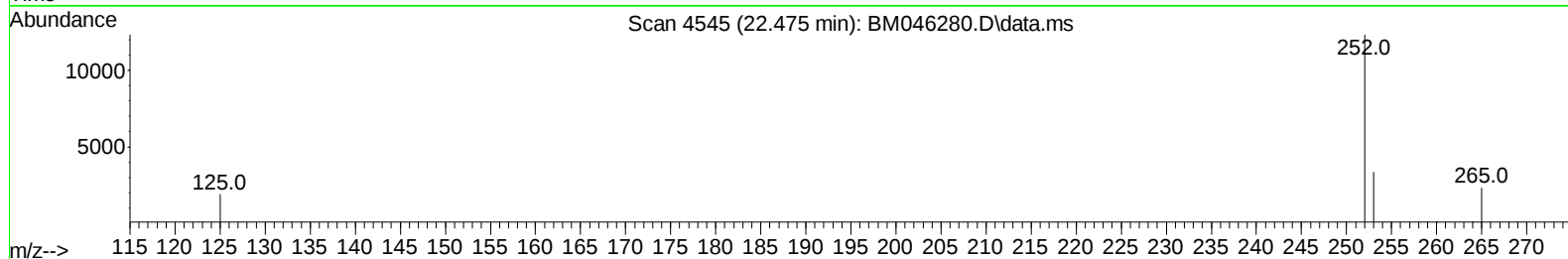
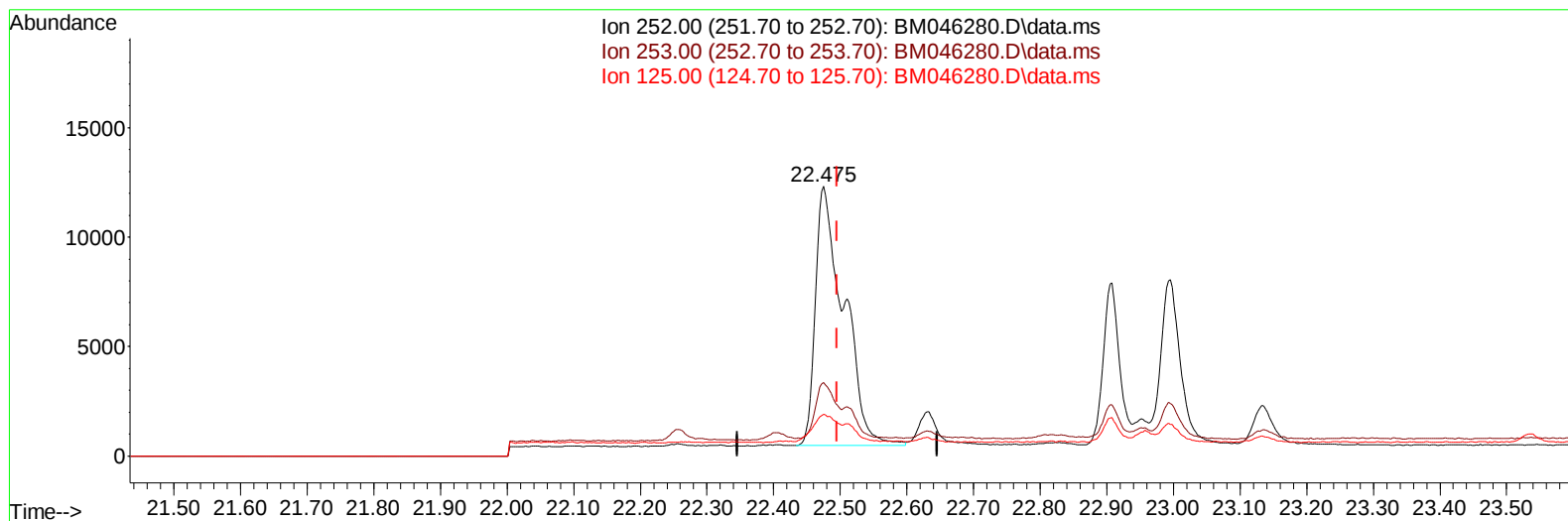
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.021) 1.76 ng/u1

response 35186

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	27.16
125.00	20.10	15.56
0.00	0.00	0.00

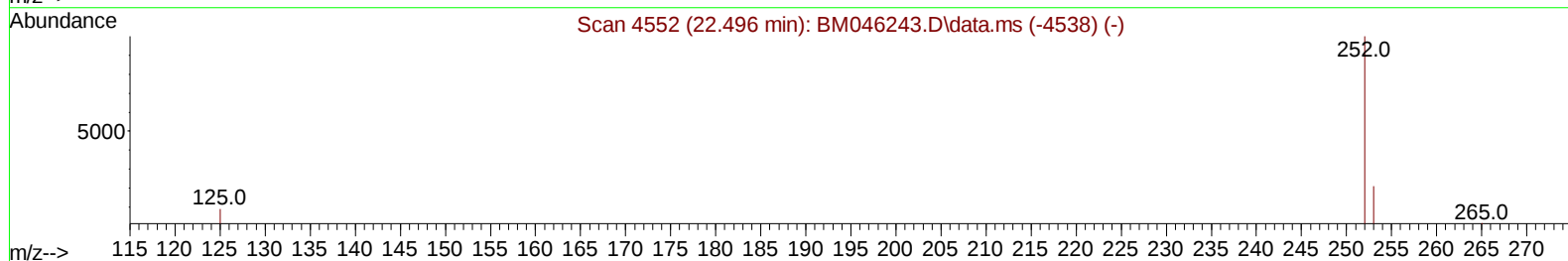
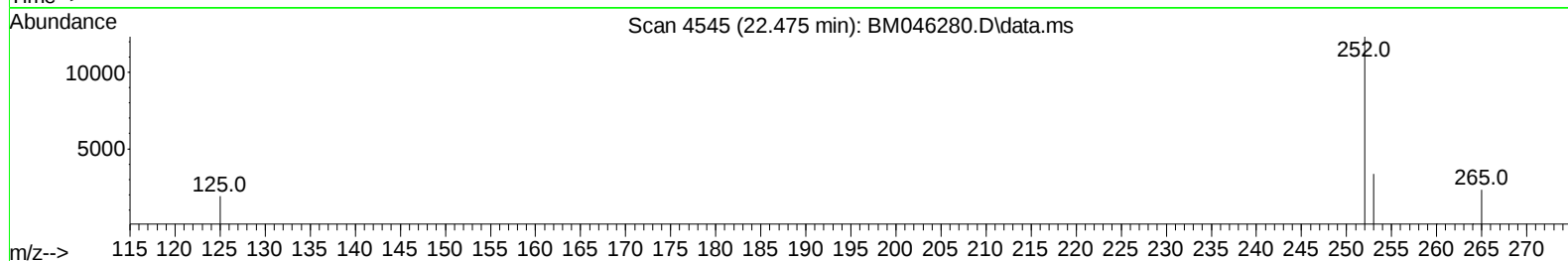
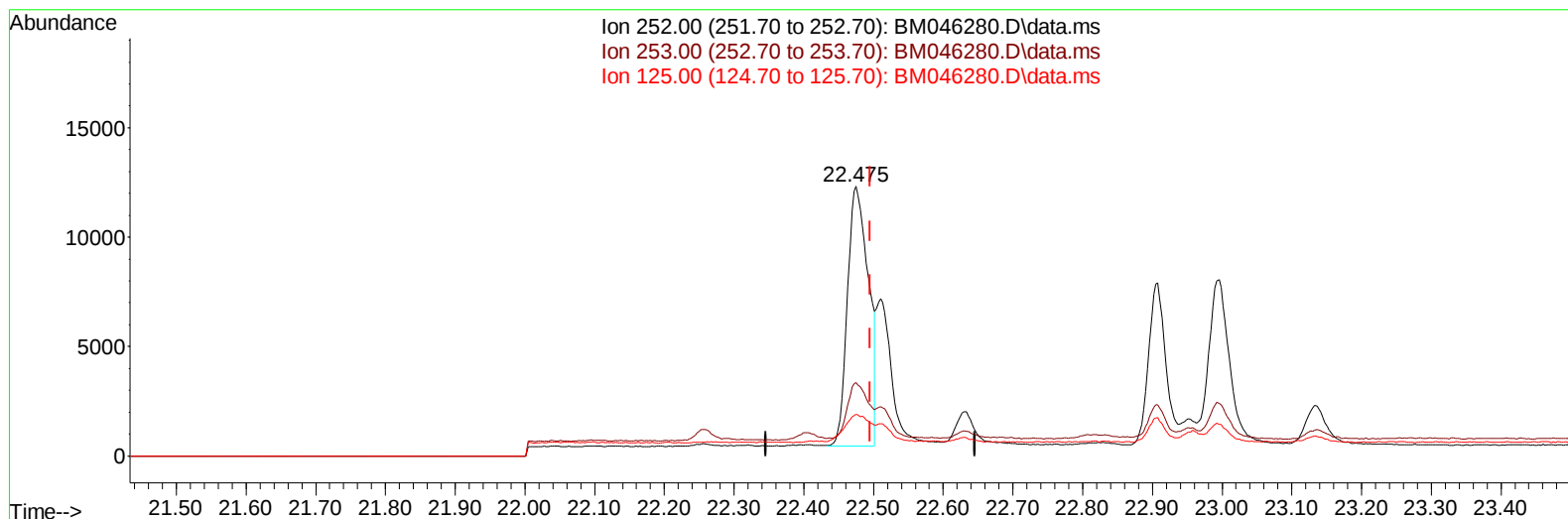
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.021) 1.24 ng/u1 m

response 24772

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	27.16
125.00	20.10	15.56
0.00	0.00	0.00

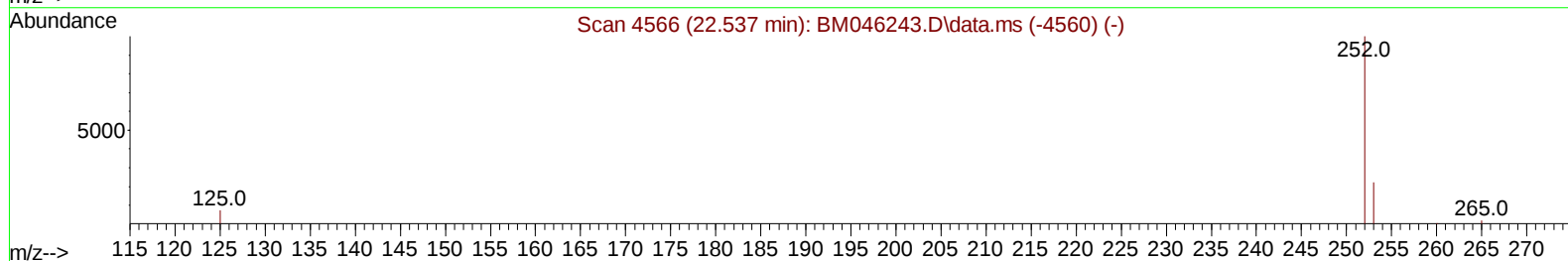
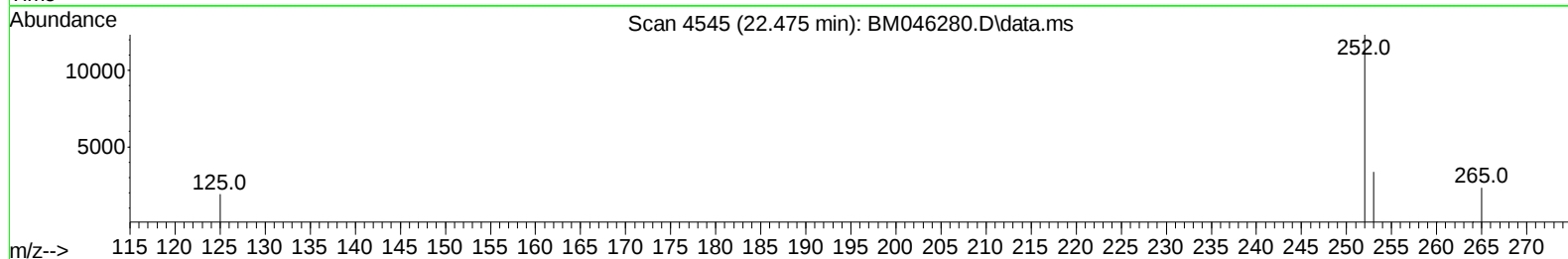
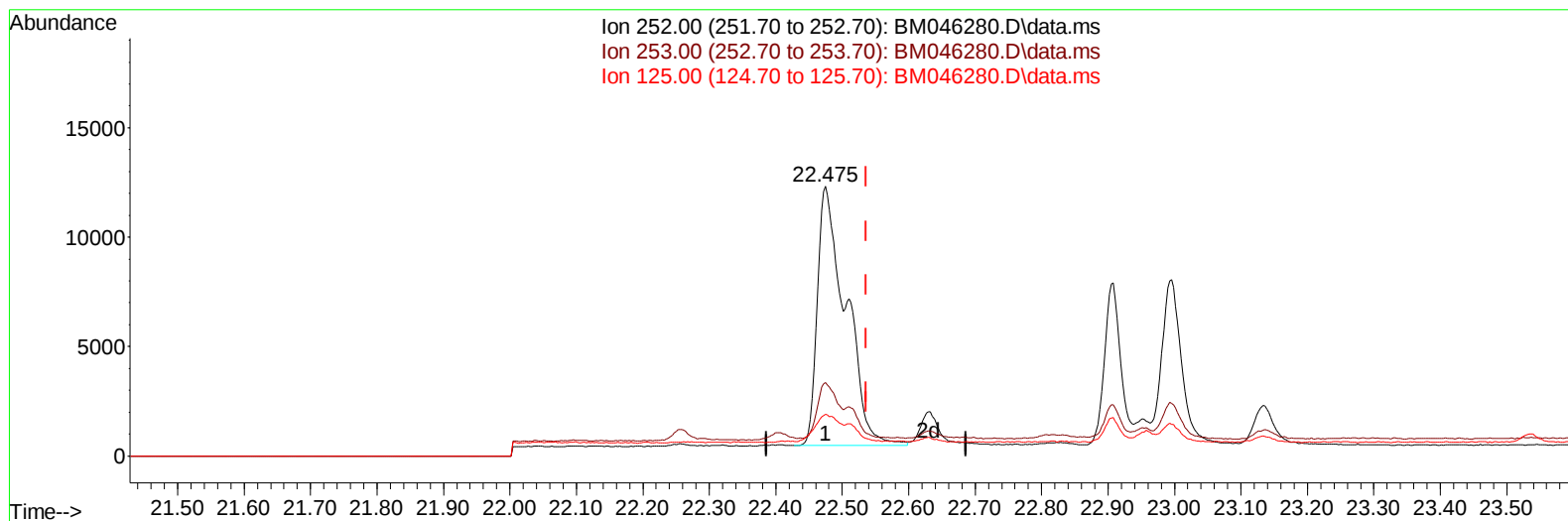
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.061) 1.48 ng/u1

response 35279

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	27.16#
125.00	20.80	15.56#
0.00	0.00	0.00

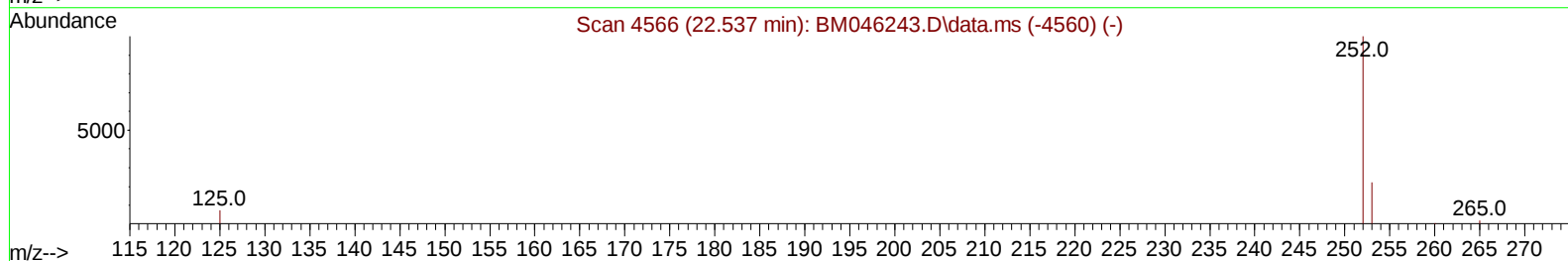
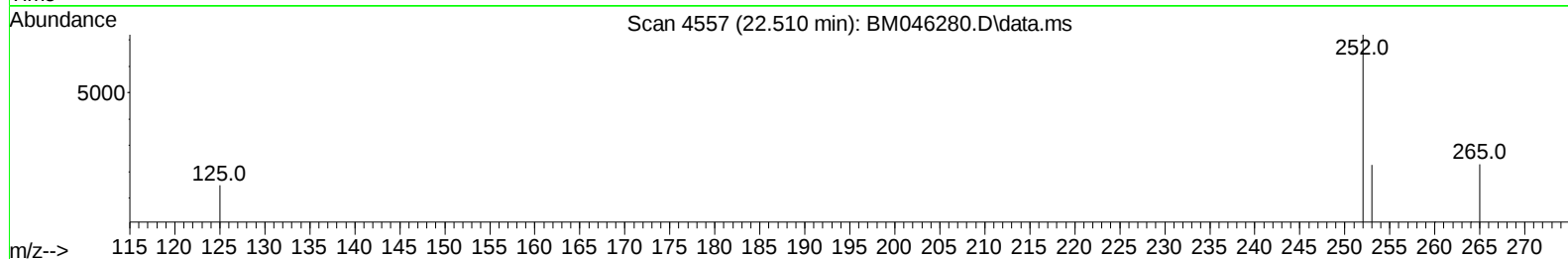
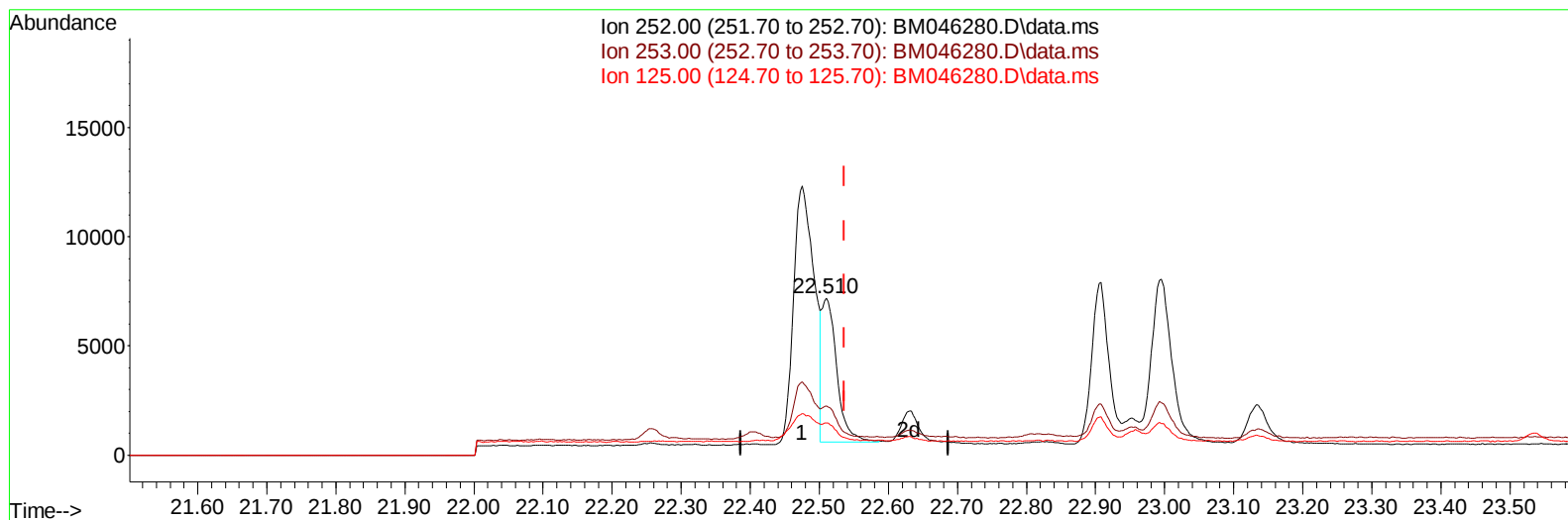
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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: BM046280.D\data.ms

(25) Benzo(k)fluoranthene

22.510min (-0.026) 0.41 ng/u1 m

response 9843

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	31.28
125.00	20.80	20.58
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046280.D
 Acq On : 25 Jun 2024 08:03
 Operator : MA/JU
 Sample : P2844-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C83

Manual IntegrationsAPPROVED

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

Quant Time: Jun 25 08:33:54 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		2067	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.172	136		6212	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.049	164		3420	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.795	188		7116m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.008	240		5260	0.400	ng/ul	-0.02
23) Perylene-d12	23.089	264		5558m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.021	96		9357	3.300	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.811	152		2008	0.241	ng/ul	-0.06
18) Fluoranthene-d10	18.835	212		4301	0.273	ng/ul	-0.04
Target Compounds							
							Qvalue
5) Naphthalene	10.222	128		407	0.023	ng/ul#	51
10) Acenaphthylene	13.771	152		1448	0.089	ng/ul#	82
11) Acenaphthene	14.109	153		309	0.026	ng/ul#	91
12) Fluorene	15.103	166		530	0.042	ng/ul#	91
15) Phenanthrene	16.837	178		13637m	0.682	ng/ul	
16) Anthracene	16.926	178		2463m	0.165	ng/ul	
19) Fluoranthene	18.863	202		36470	1.601	ng/ul	96
20) Pyrene	19.220	202		31596	1.283	ng/ul	98
21) Benzo(a)anthracene	20.991	228		14112	0.695	ng/ul	97
22) Chrysene	21.043	228		15054	0.581	ng/ul	99
24) Benzo(b)fluoranthene	22.475	252		24772m	1.237	ng/ul	
25) Benzo(k)fluoranthene	22.510	252		9843m	0.413	ng/ul	
26) Benzo(a)pyrene	22.995	252		15404	0.830	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.138	276		14333	0.472	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.145	278		2786	0.123	ng/ul#	72
29) Benzo(g,h,i)perylene	25.752	276		14083	0.541	ng/ul	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046280.D
Acq On : 25 Jun 2024 08:03
Operator : MA/JU
Sample : P2844-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C83

Manual IntegrationsAPPROVED

Quant Time: Jun 25 08:33:54 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

