

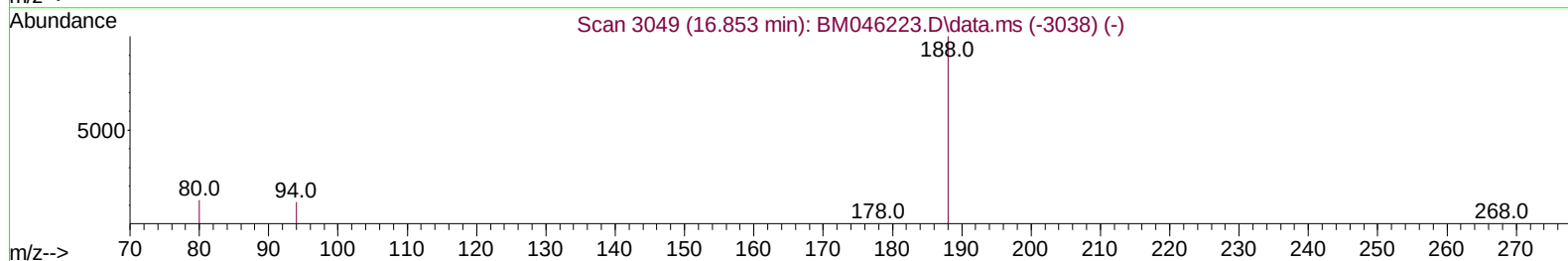
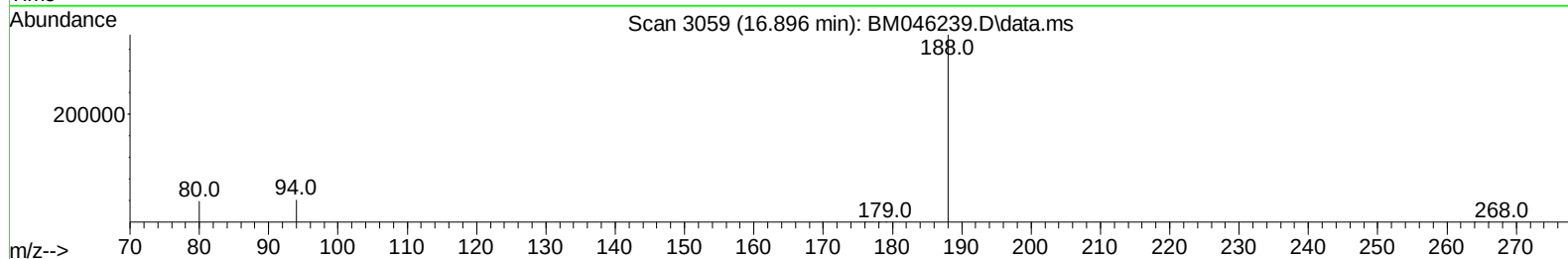
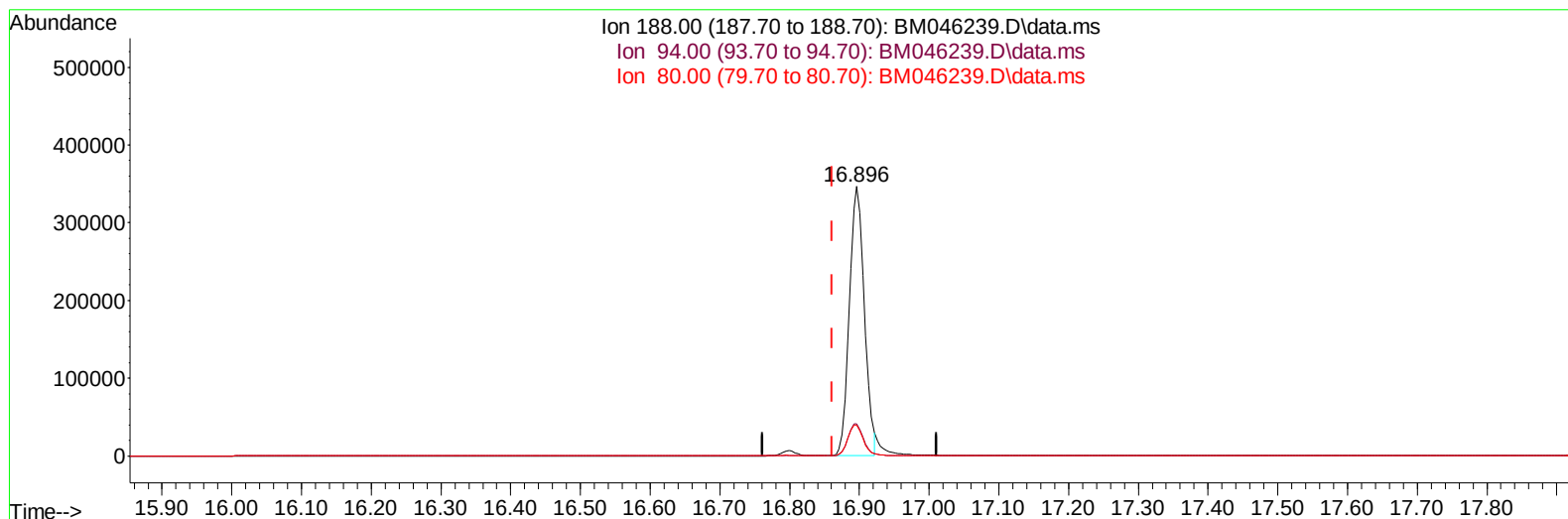
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:32:22 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: BM046239.D\data.ms

(13) Phenanthrene-d10 (I)

16.896min (+ 0.035) 0.40 ng/u1

response 515197

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.93
80.00	15.20	11.37#
0.00	0.00	0.00

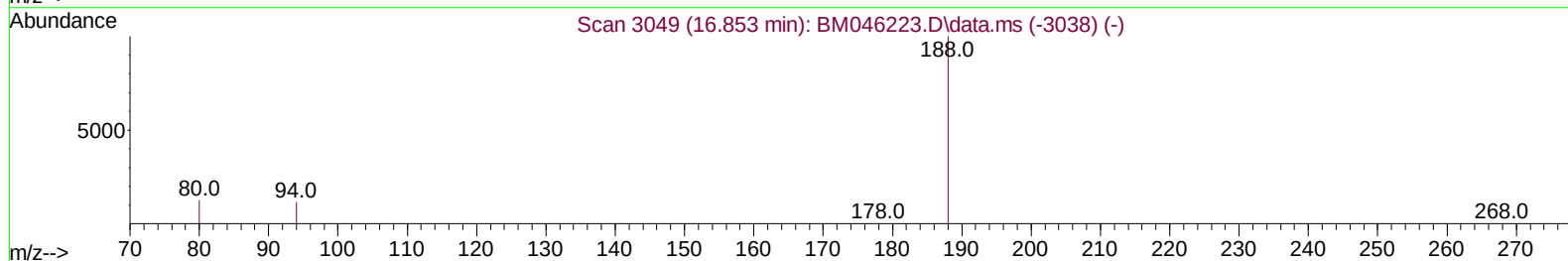
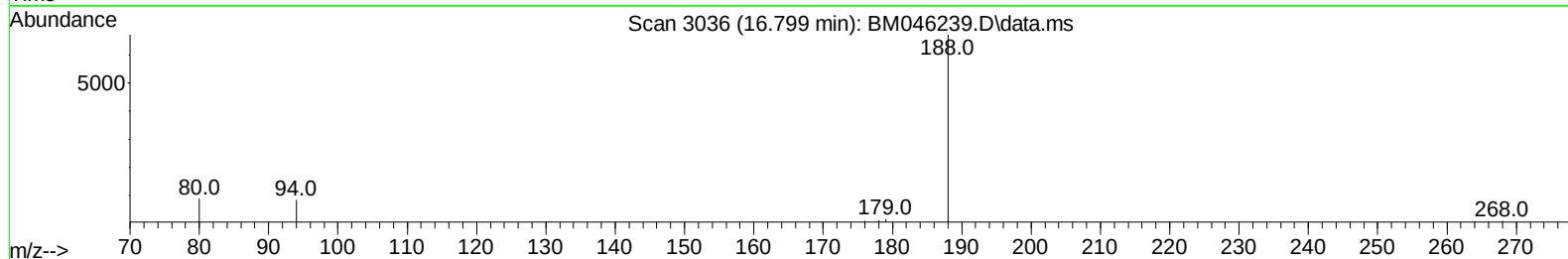
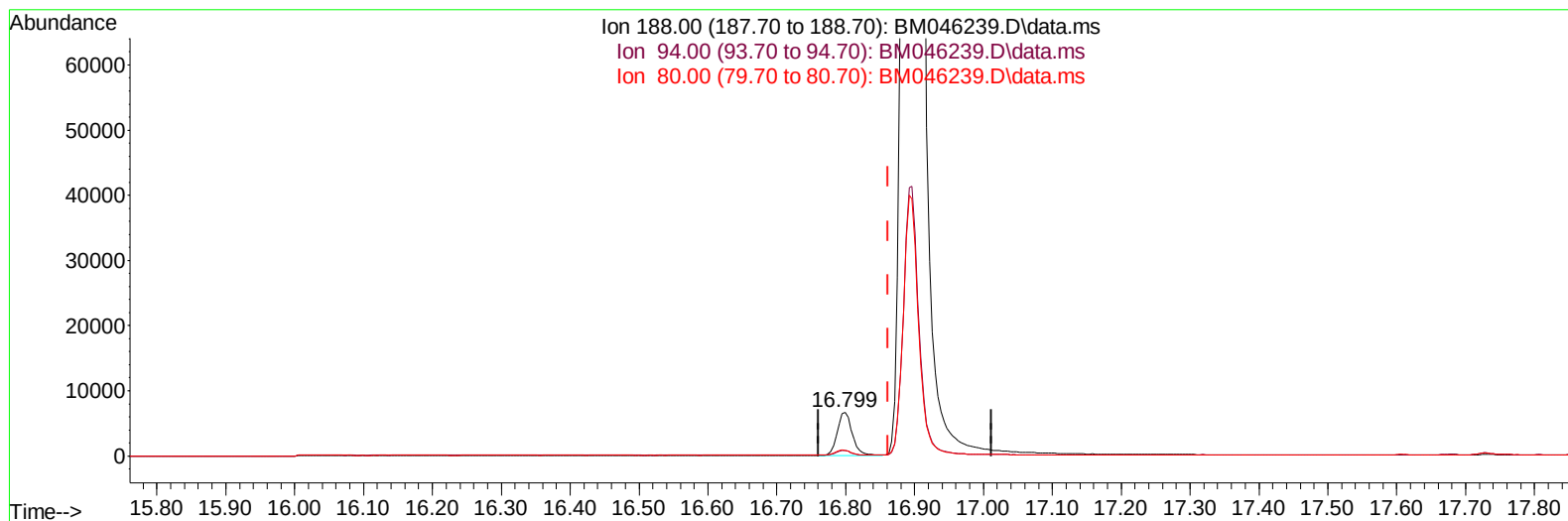
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(13) Phenanthrene-d10 (I)

16.799min (-0.062) 0.40 ng/ul m

response 9991

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.45
80.00	15.20	13.16
0.00	0.00	0.00

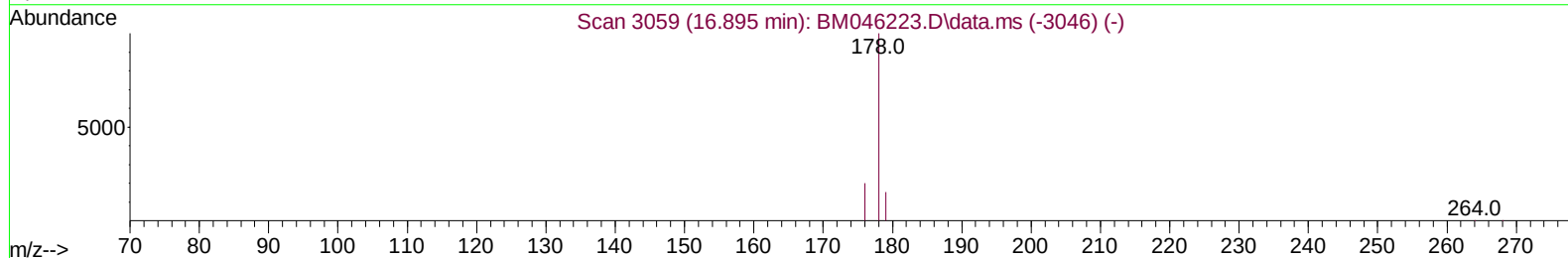
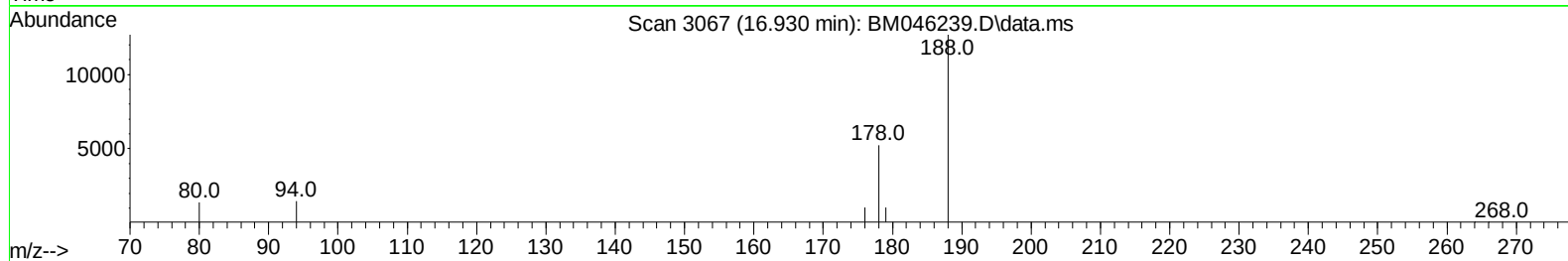
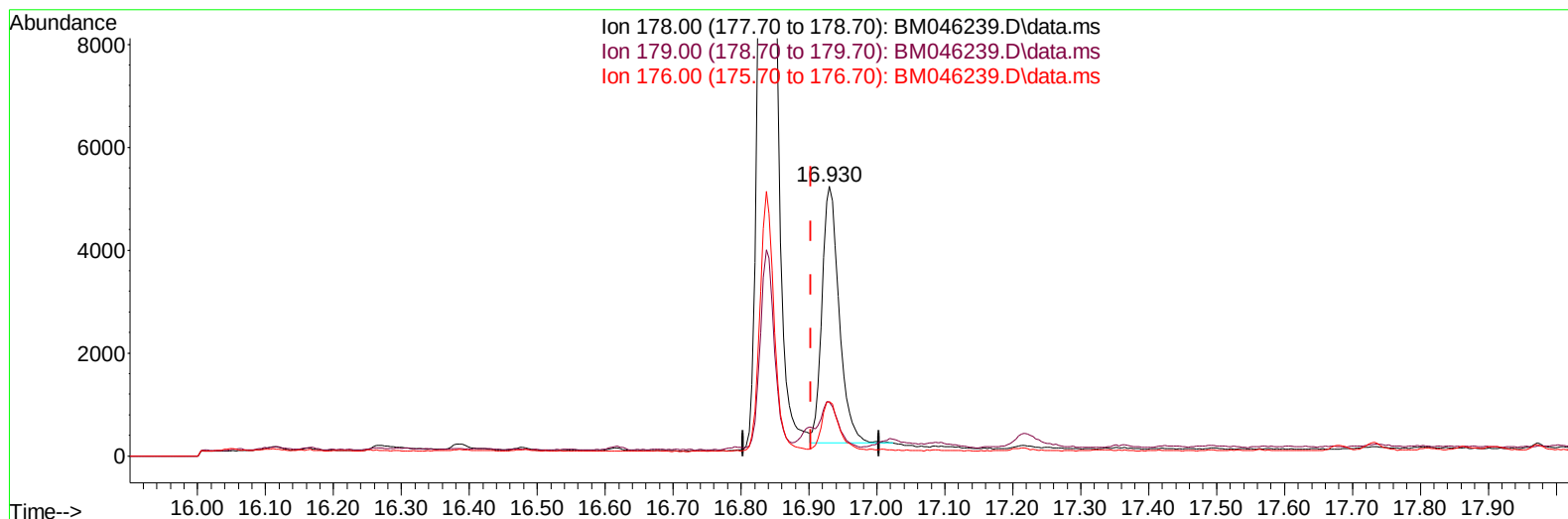
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(15) Phenanthrene

16.930min (+ 0.026) 0.31 ng/u1

response 8770

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	19.90
176.00	21.40	20.20
0.00	0.00	0.00

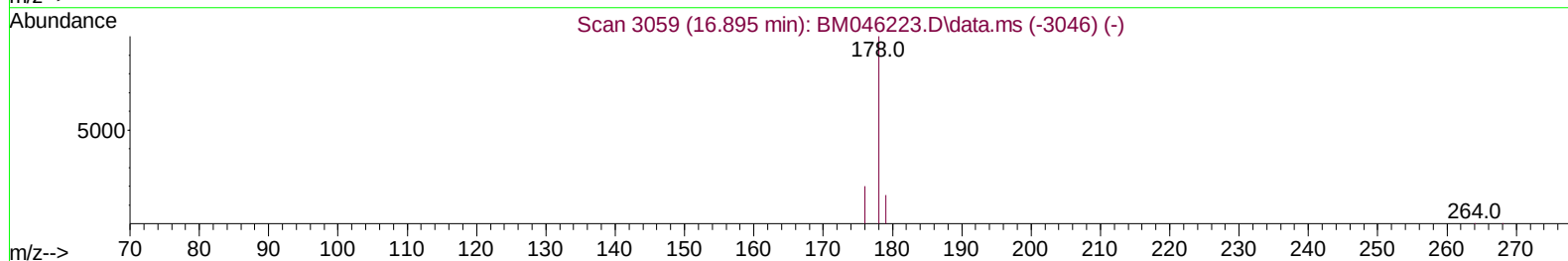
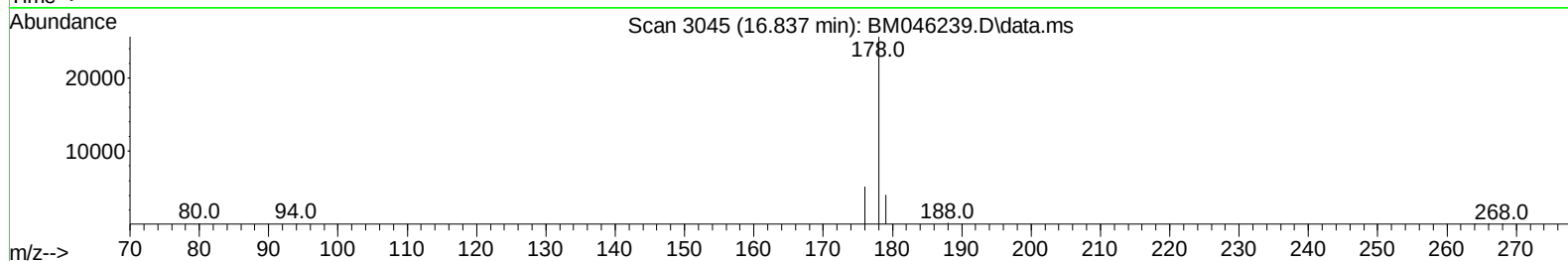
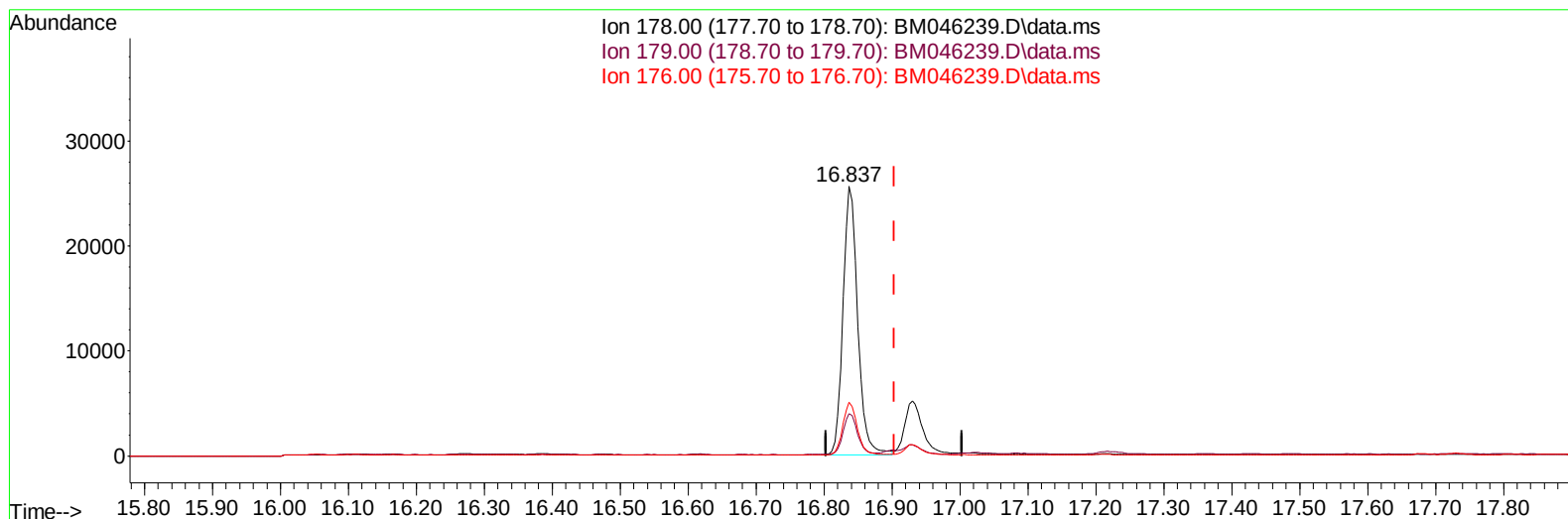
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(15) Phenanthrene

16.837min (-0.066) 1.35 ng/ul m

response 37956

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.61
176.00	21.40	20.06
0.00	0.00	0.00

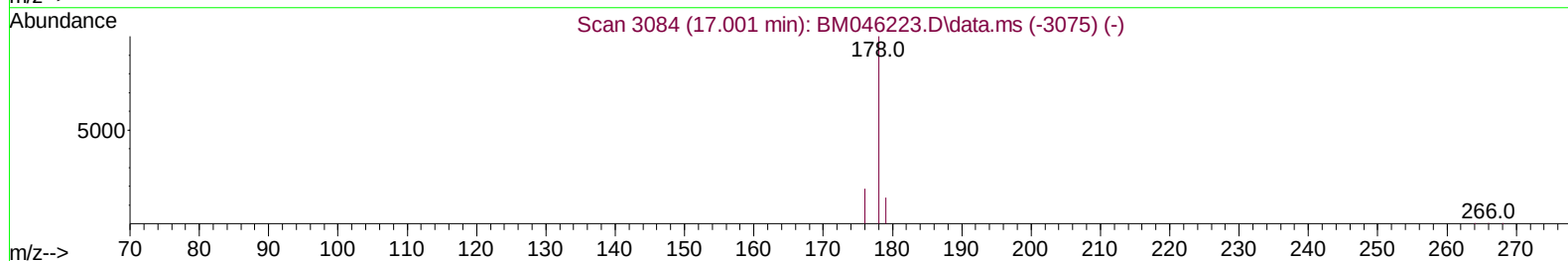
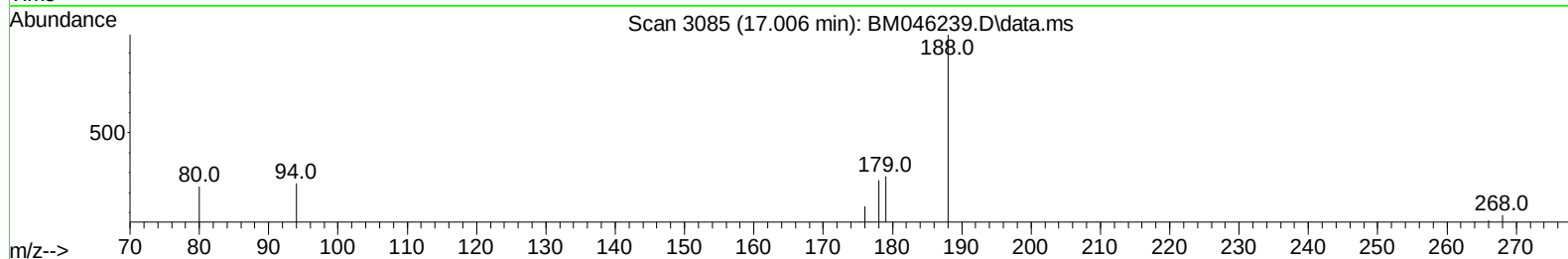
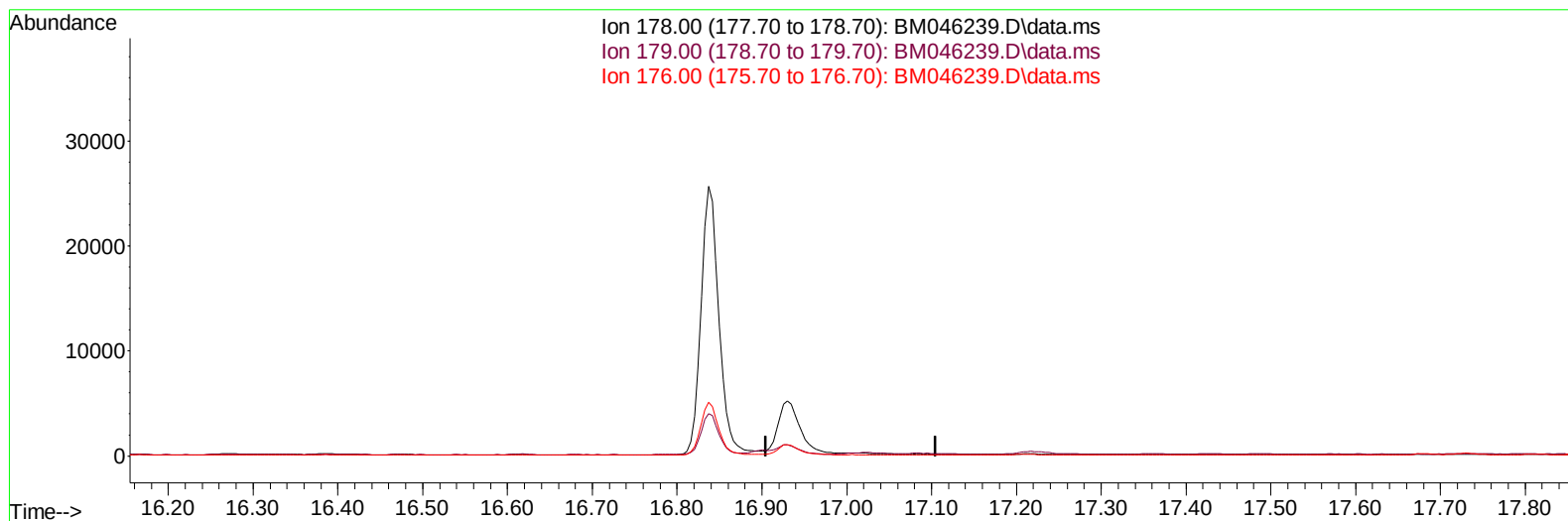
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.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

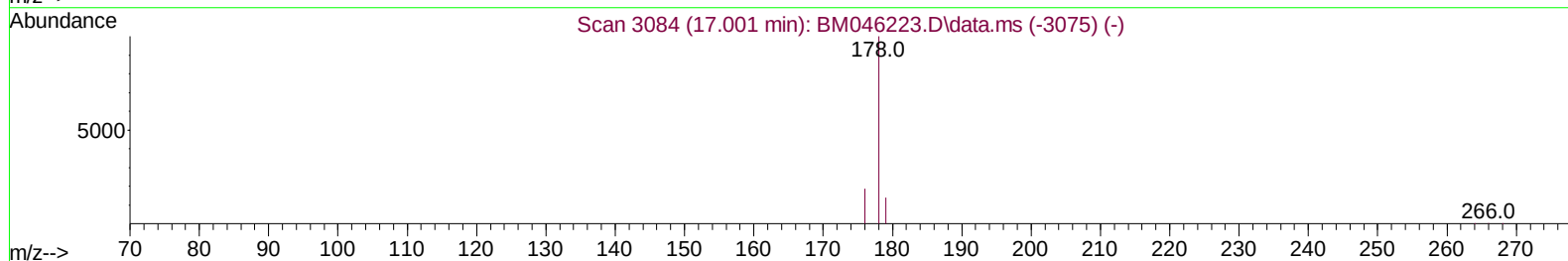
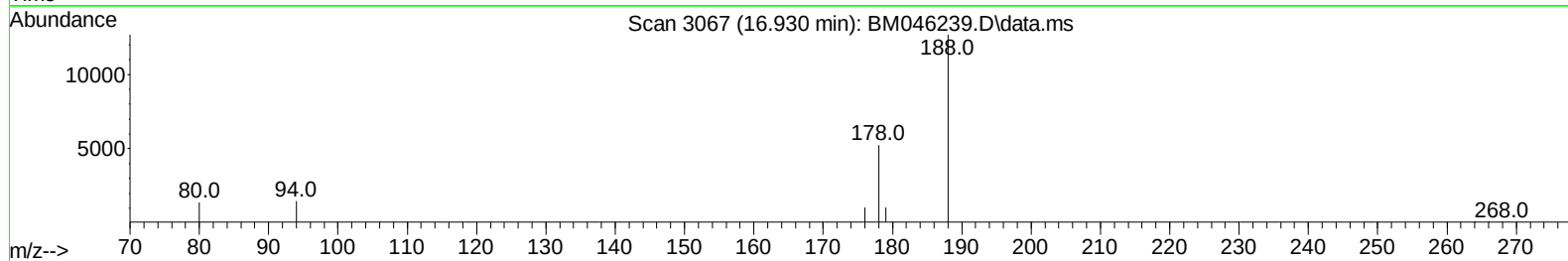
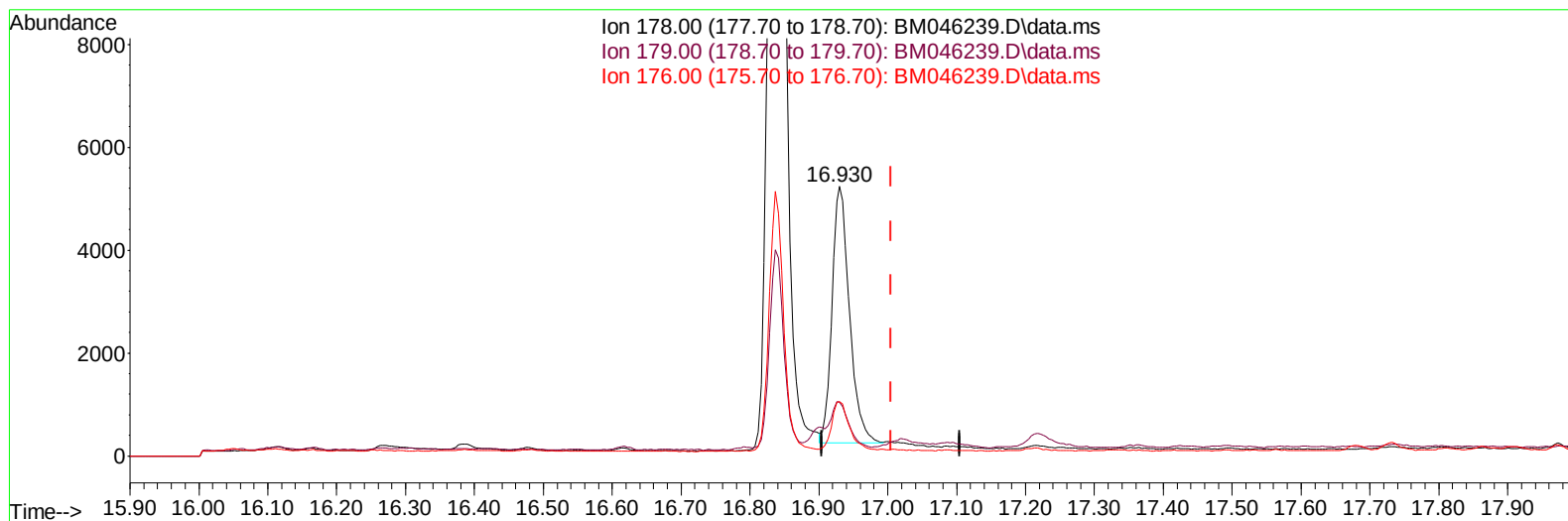
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(16) Anthracene

16.930min (-0.075) 0.42 ng/ul m

response 8728

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	19.90
176.00	21.20	20.20
0.00	0.00	0.00

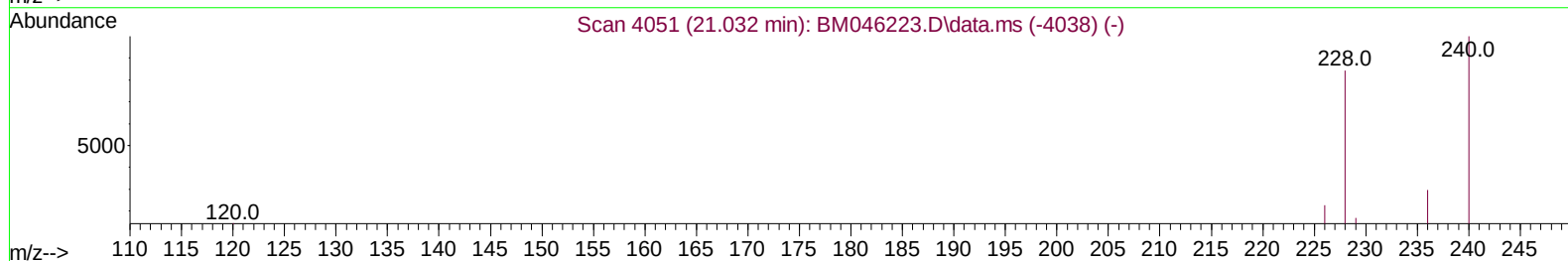
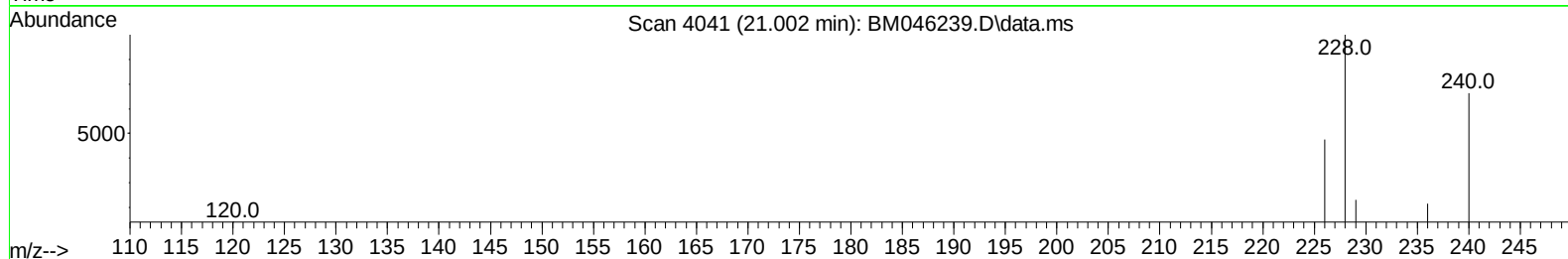
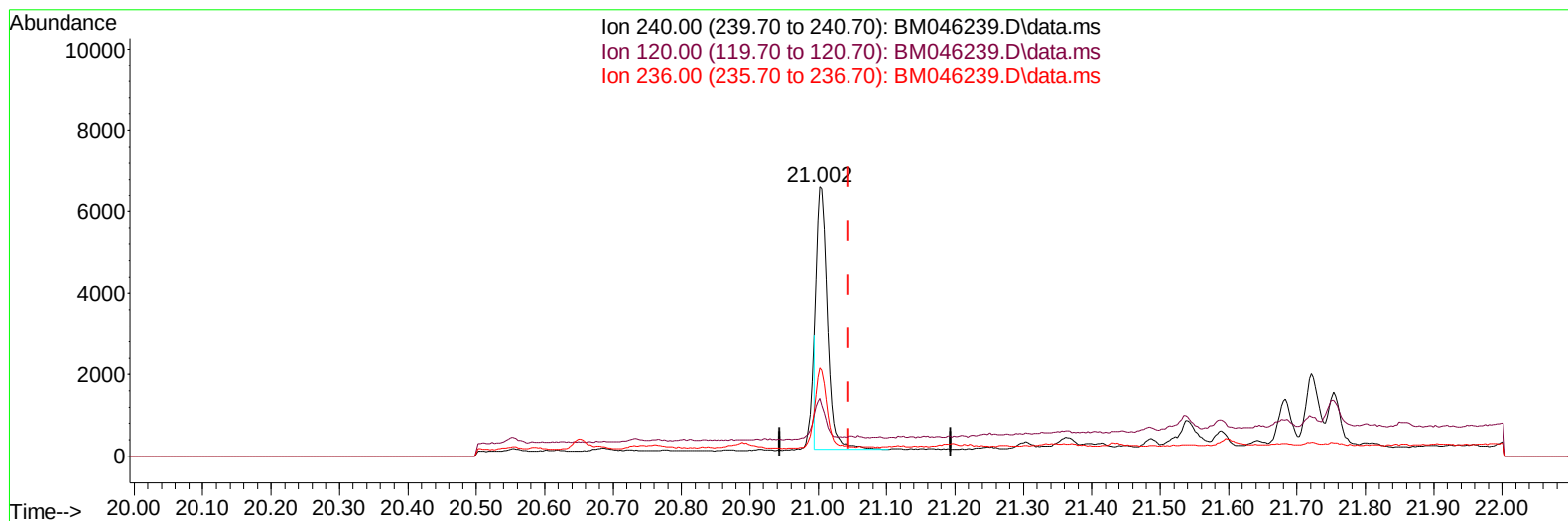
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(17) Chrysene-d12

21.002min (-0.041) 0.40 ng/u1

response 7202

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.38
236.00	33.60	32.59
0.00	0.00	0.00

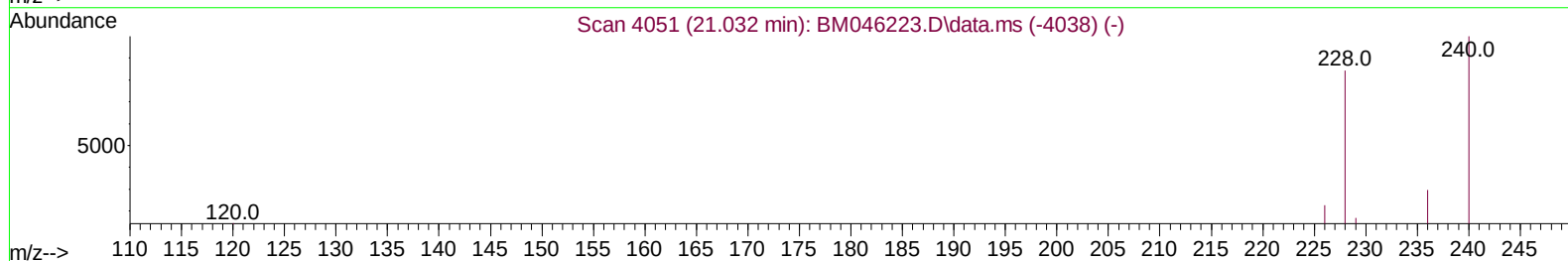
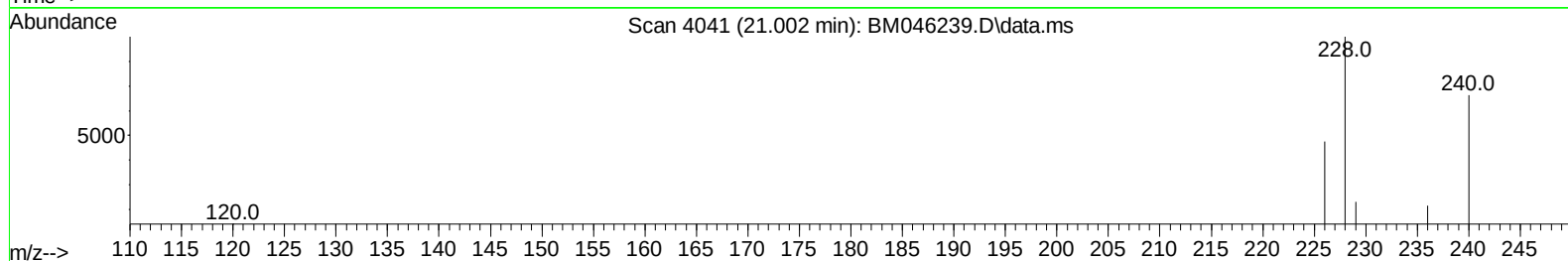
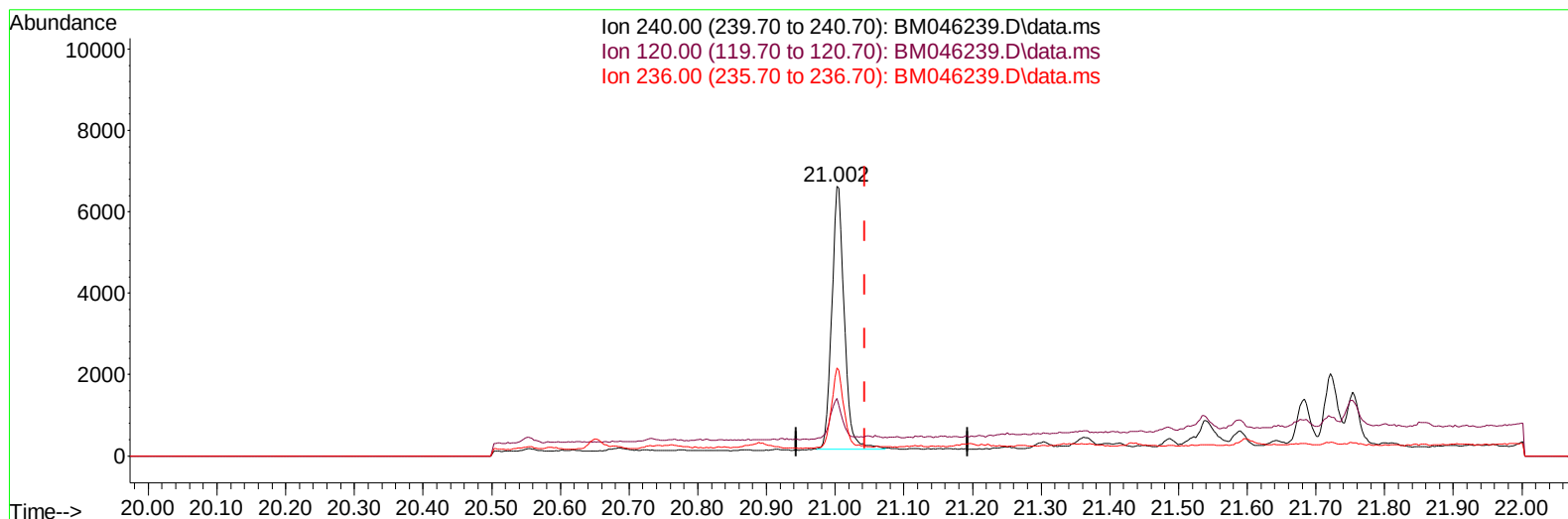
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(17) Chrysene-d12

21.002min (-0.041) 0.40 ng/ul m

response 8183

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.38
236.00	33.60	32.59
0.00	0.00	0.00

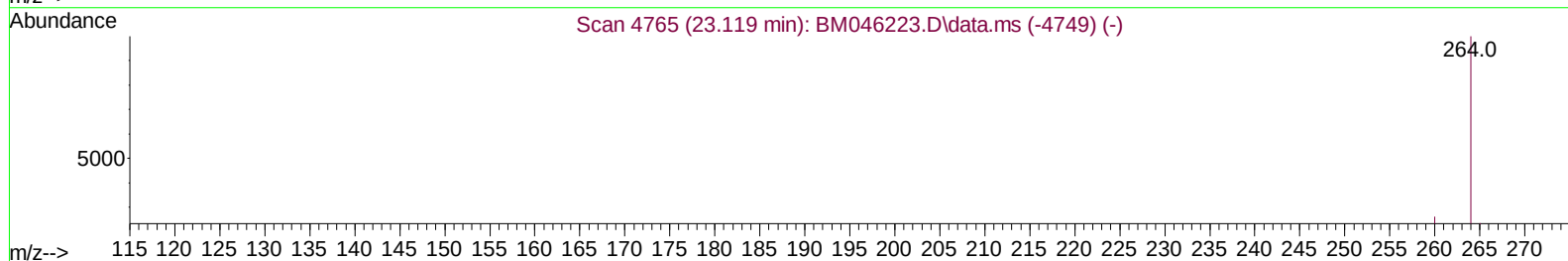
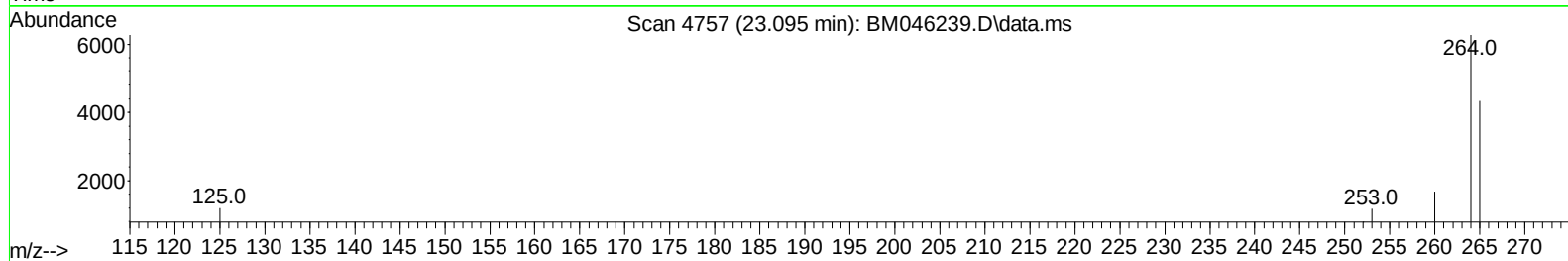
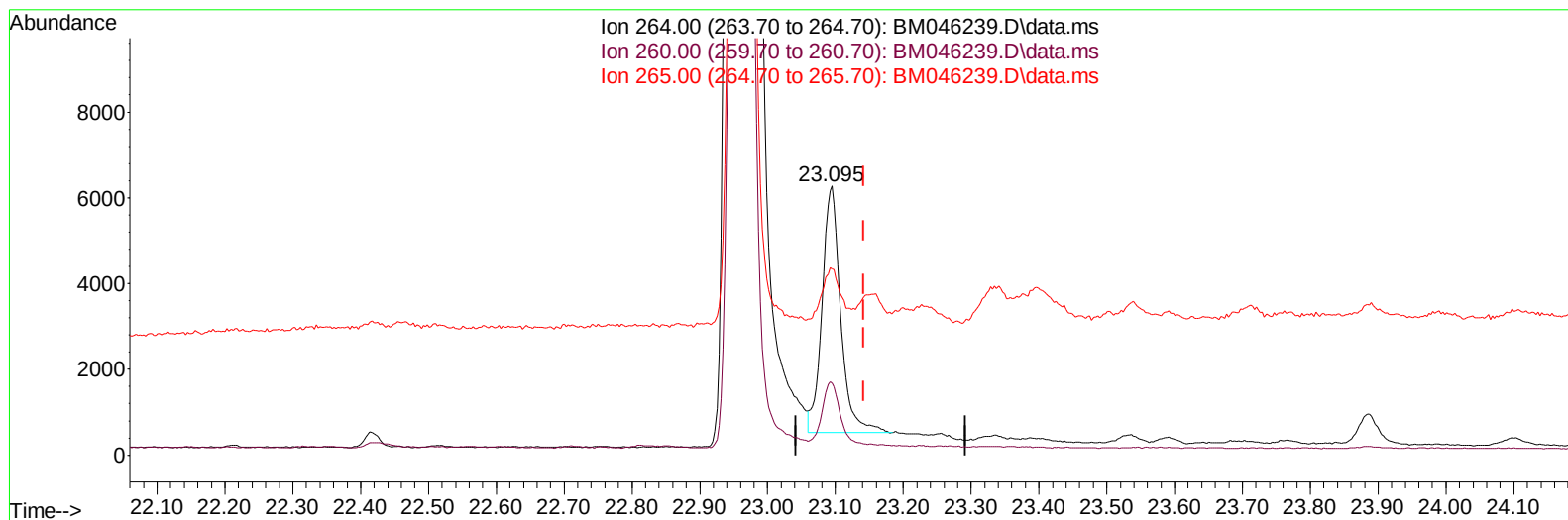
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(23) Perylene-d12 (I)

23.095min (-0.047) 0.40 ng/u1

response 10873

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.88
265.00	110.60	69.20#
0.00	0.00	0.00

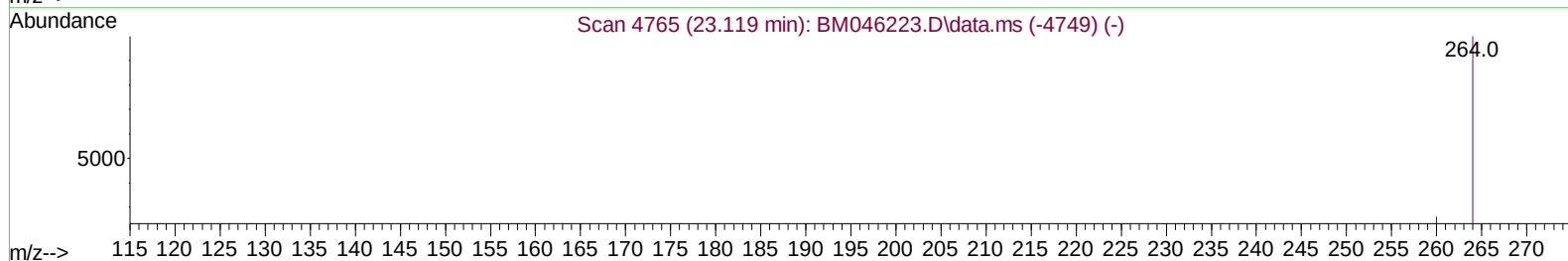
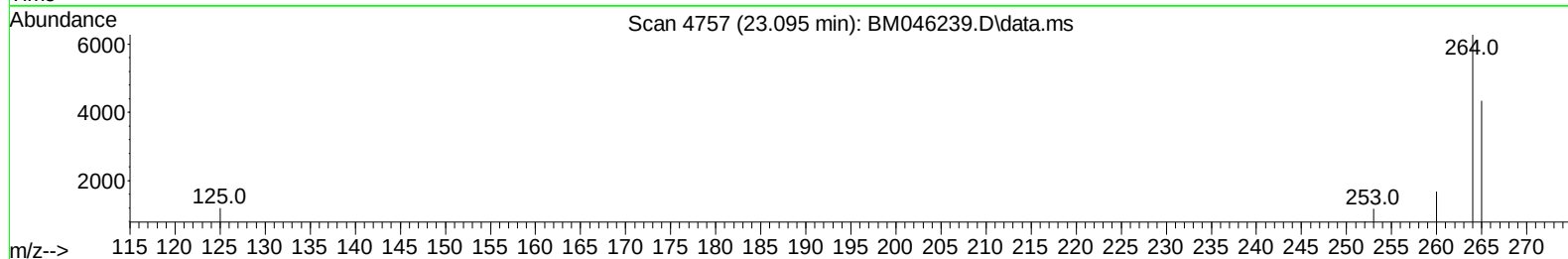
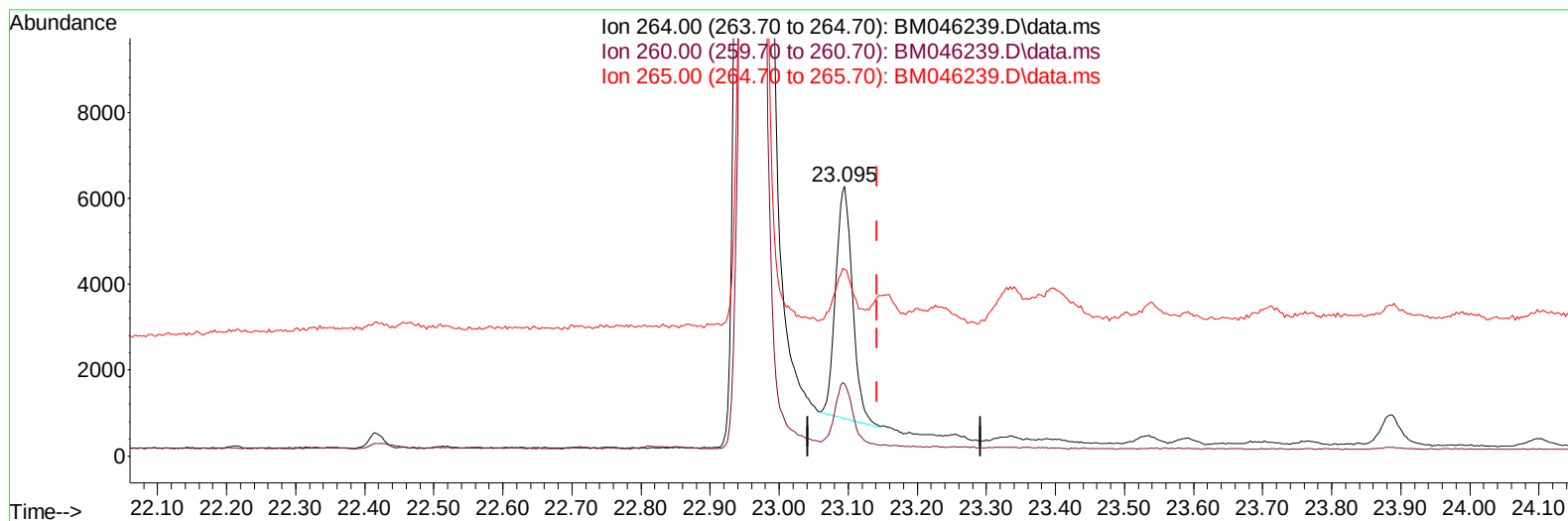
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(23) Perylene-d12 (I)

23.095min (-0.047) 0.40 ng/ul m

response 9082

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.88
265.00	110.60	69.20#
0.00	0.00	0.00

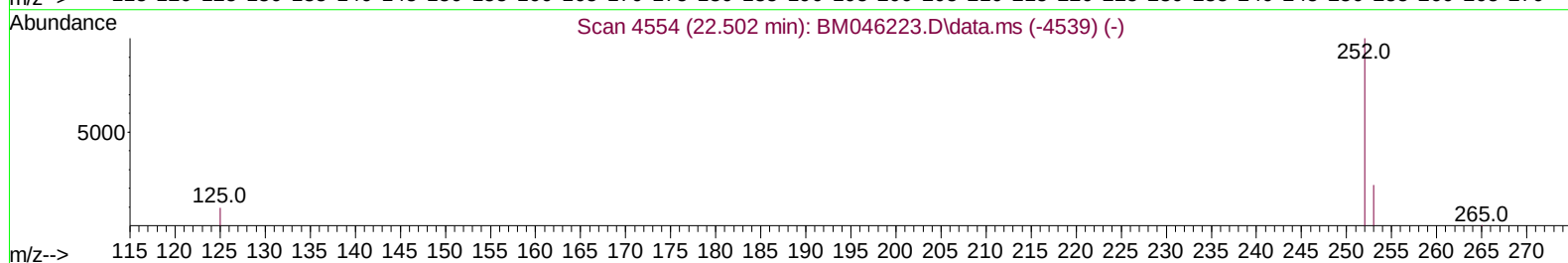
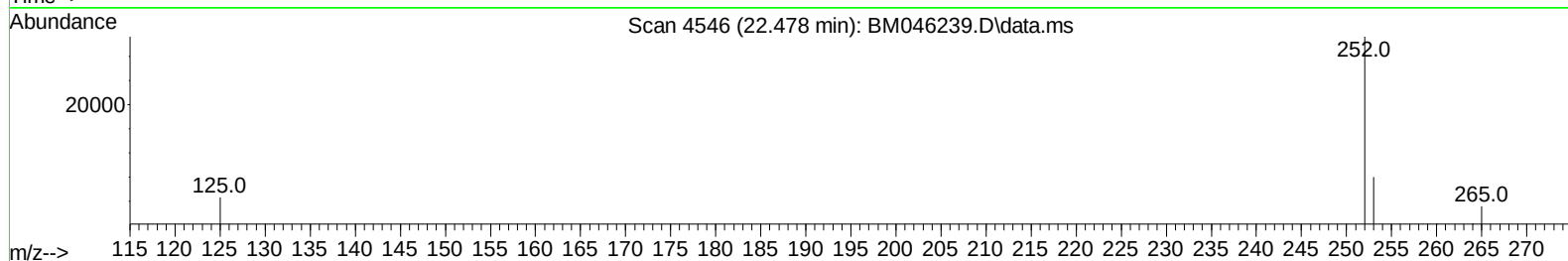
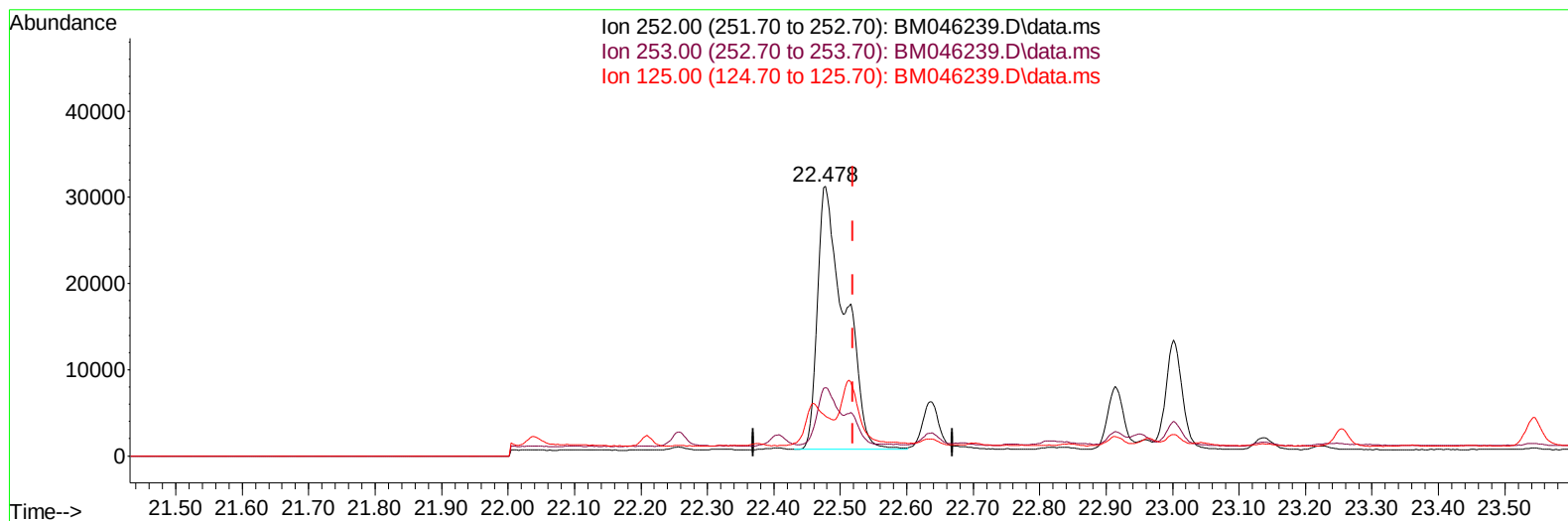
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.041) 2.67 ng/uL

response 87296

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.46
125.00	20.10	14.87
0.00	0.00	0.00

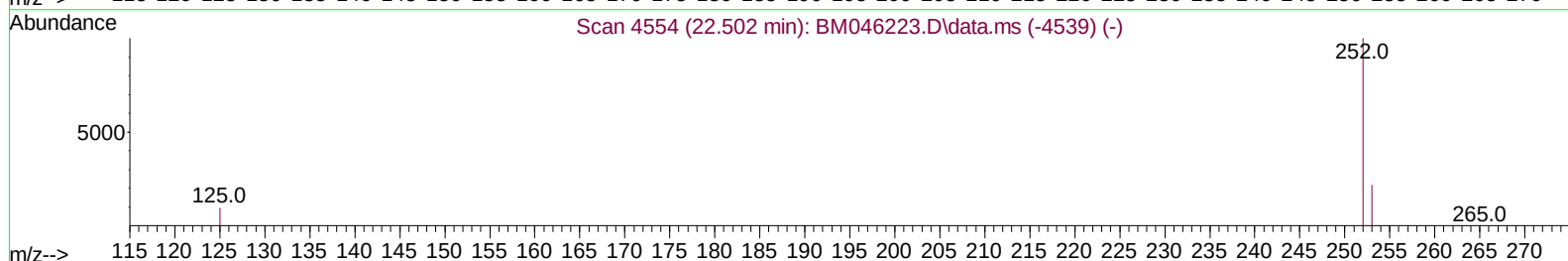
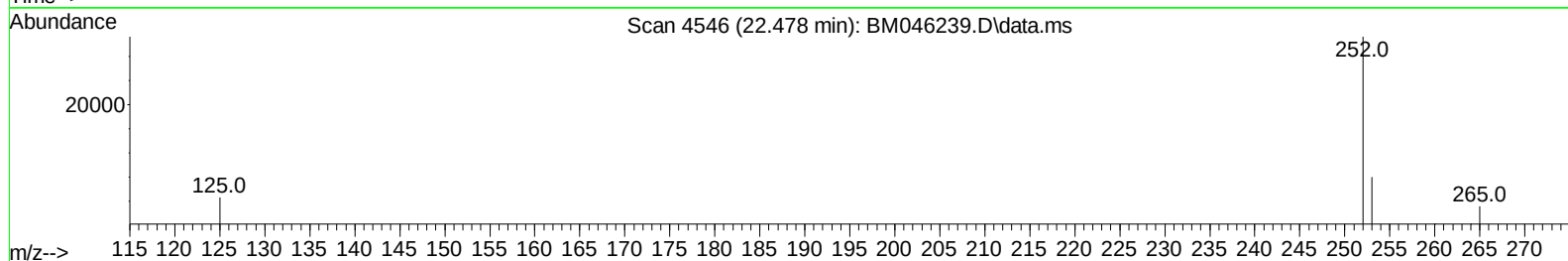
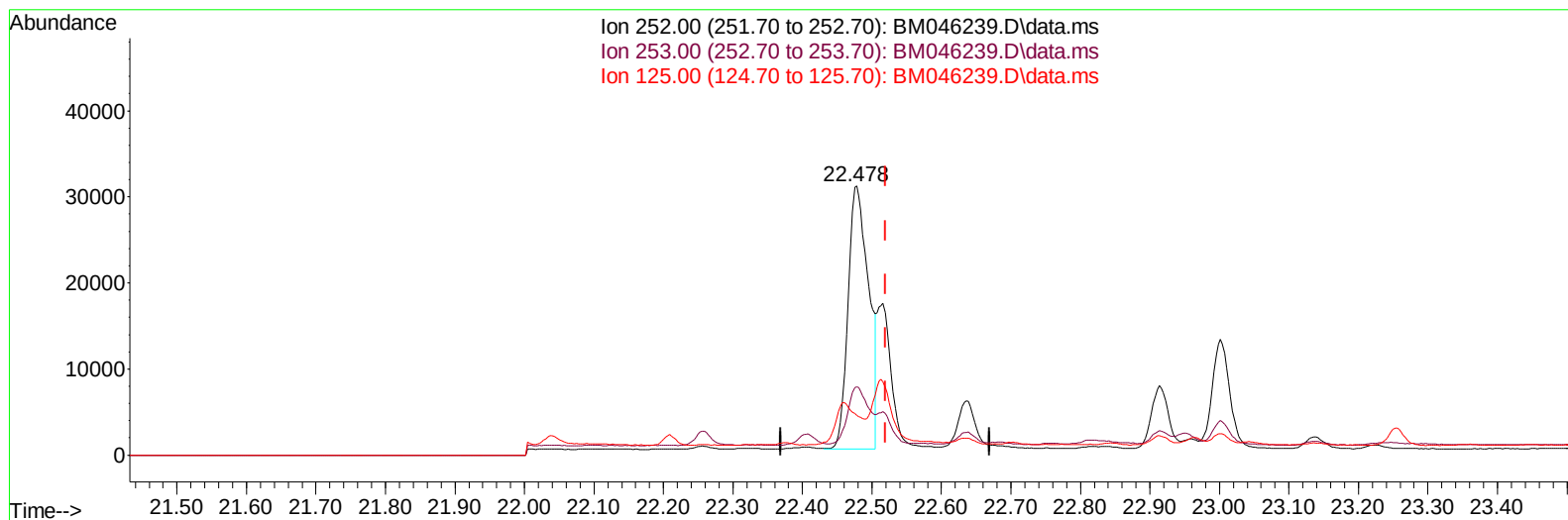
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.041) 1.91 ng/u l m

response 62580

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.46
125.00	20.10	14.87
0.00	0.00	0.00

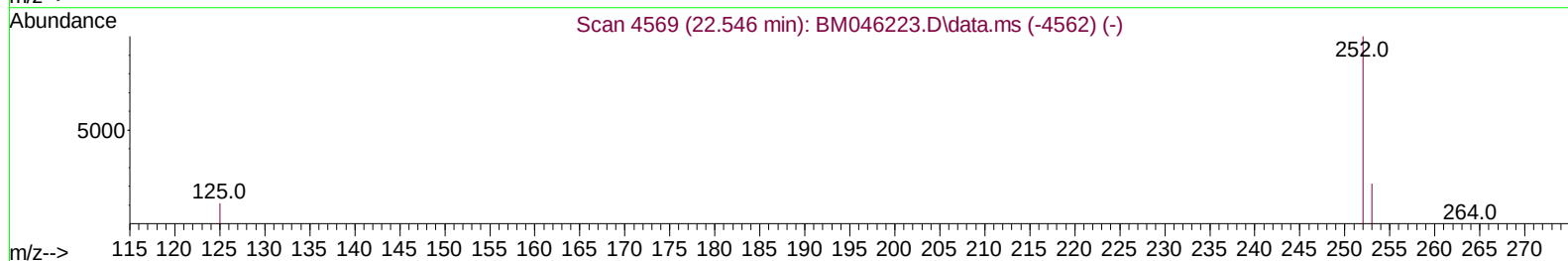
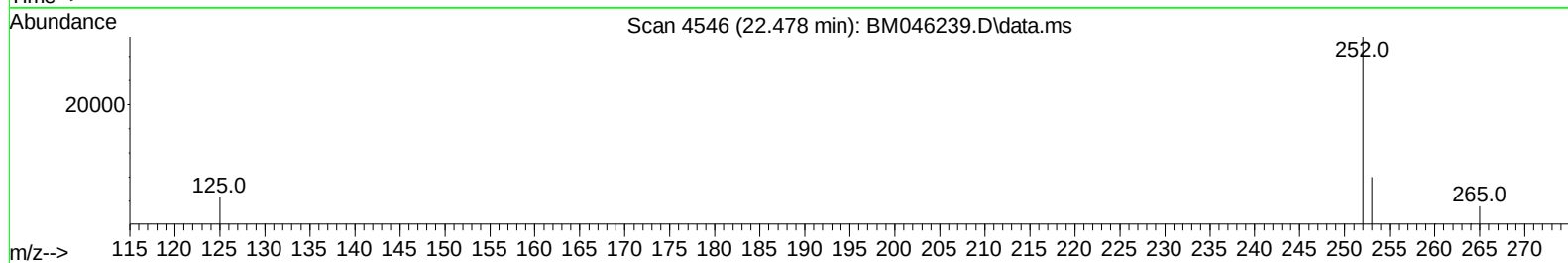
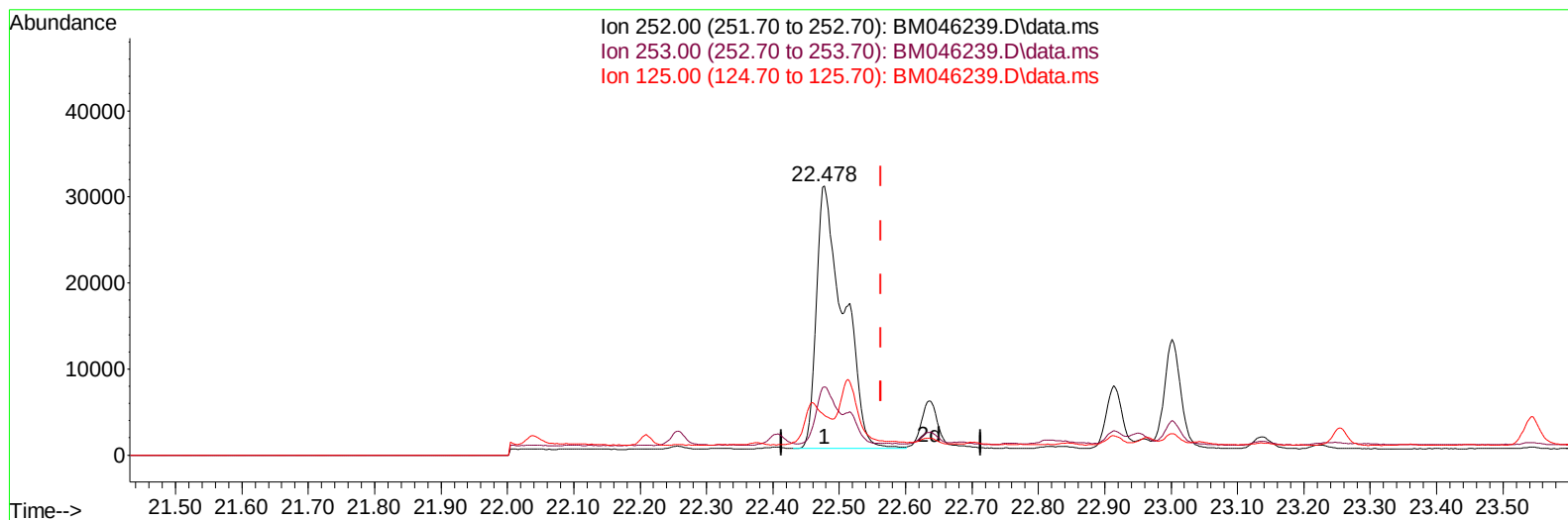
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:32:22 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: BM046239.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.085) 2.24 ng/u1

response 87296

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.46#
125.00	20.80	14.87#
0.00	0.00	0.00

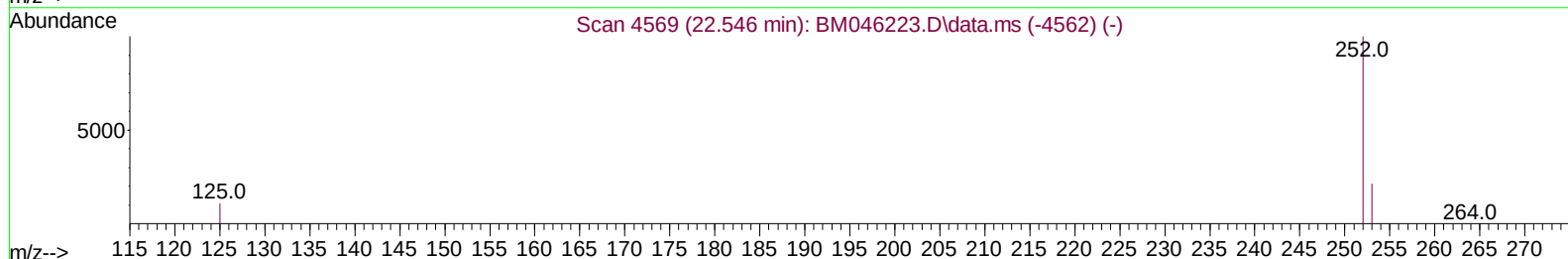
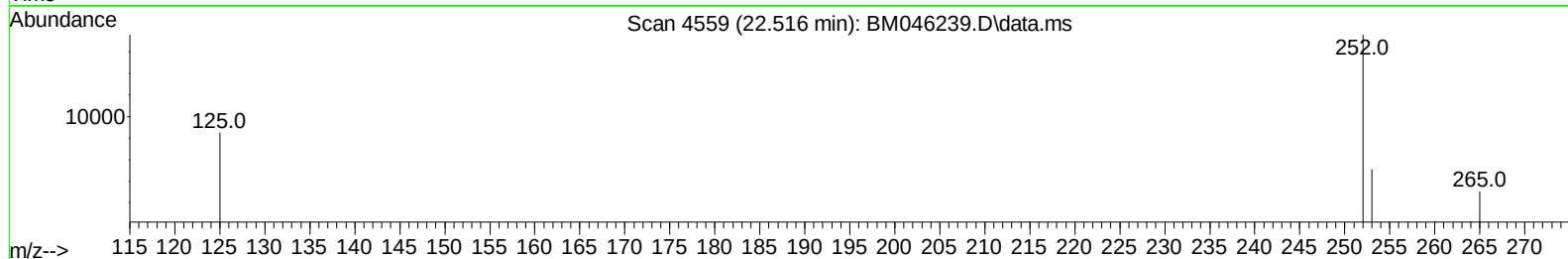
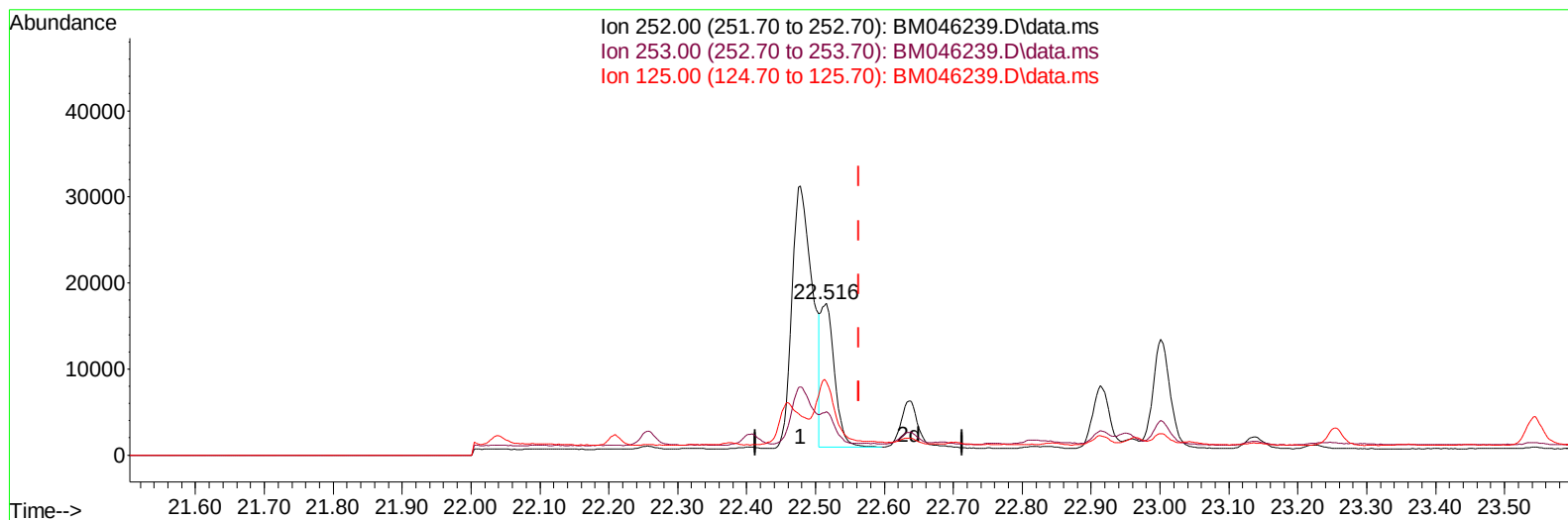
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:32:22 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: BM046239.D\data.ms

(25) Benzo(k)fluoranthene

22.516min (-0.047) 0.61 ng/u1 m

response 23825

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	28.81
125.00	20.80	48.34#
0.00	0.00	0.00

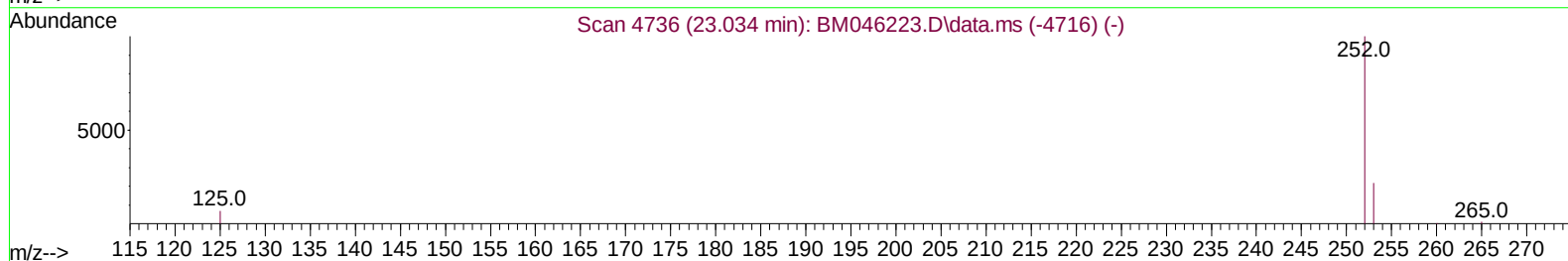
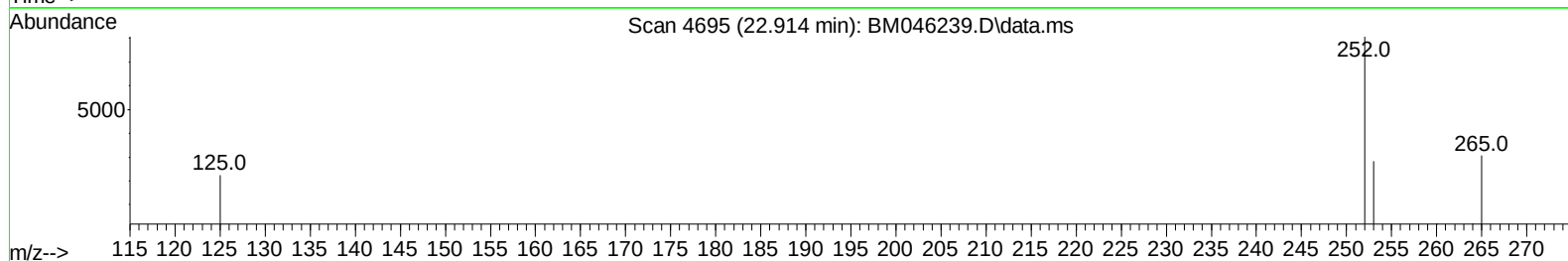
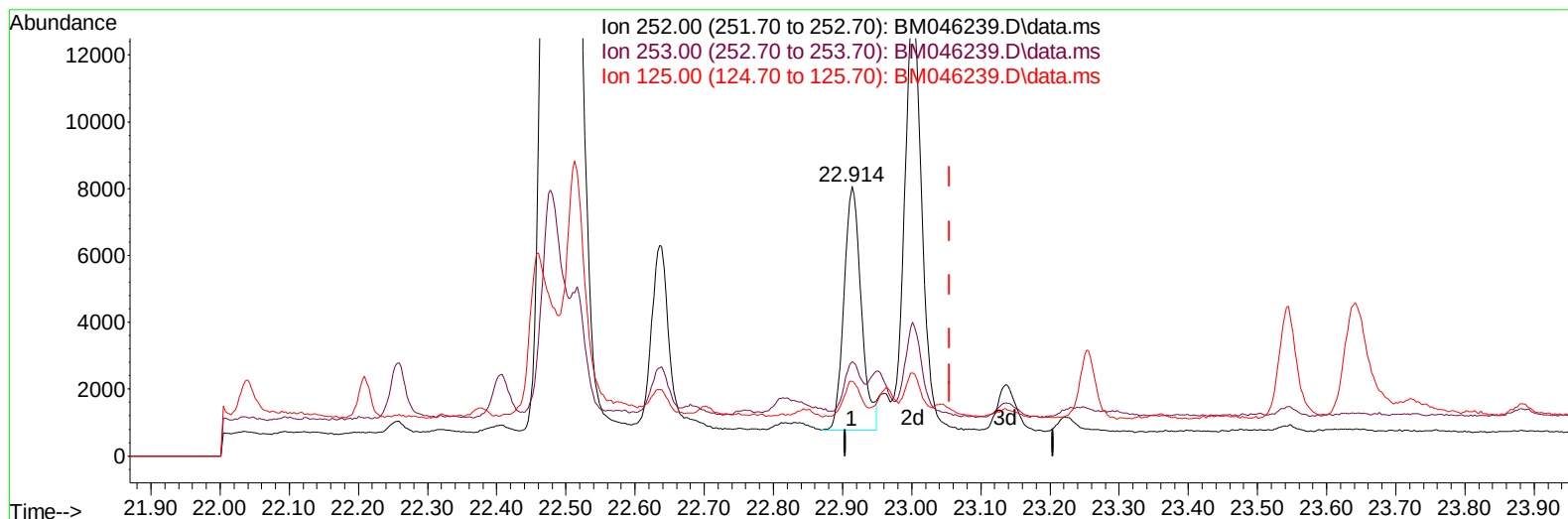
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(26) Benzo(a)pyrene (C)

22.914min (-0.141) 0.42 ng/u1

response 12695

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	35.14
125.00	26.50	27.75
0.00	0.00	0.00

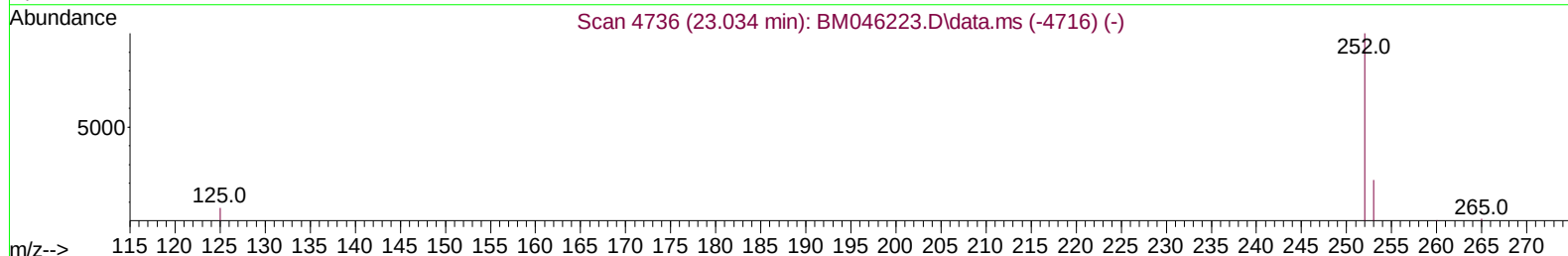
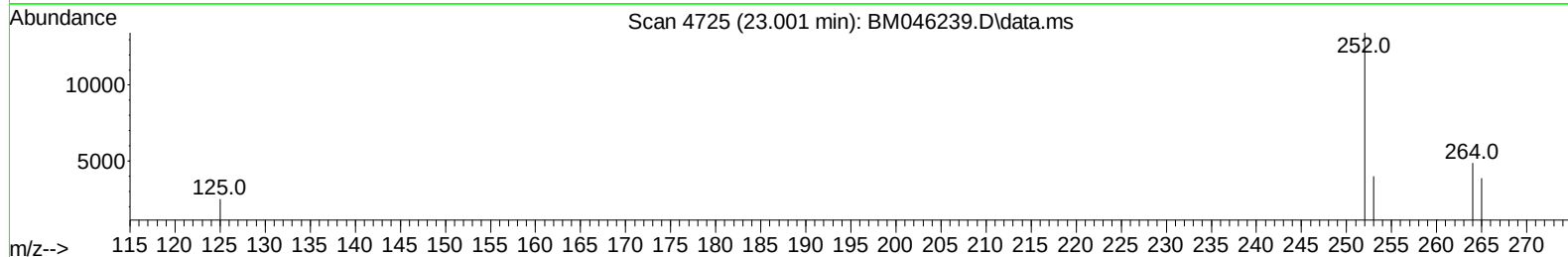
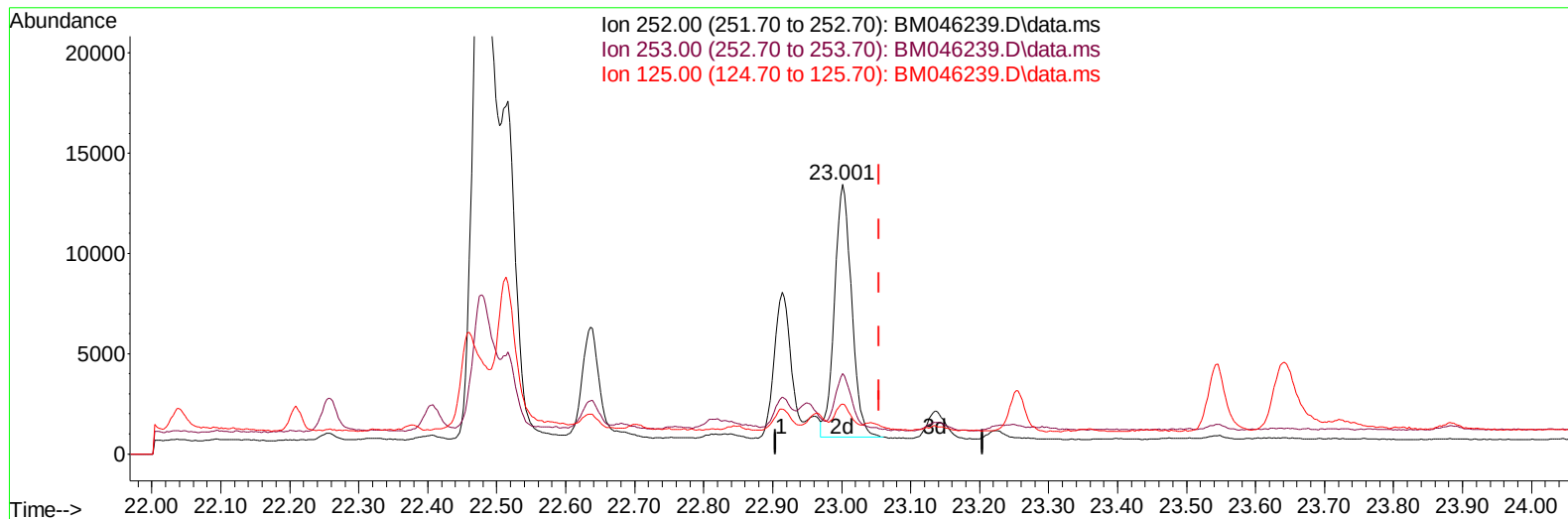
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046239.D\data.ms

(26) Benzo(a)pyrene (C)

23.001min (-0.053) 0.72 ng/ul m

response 21813

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	29.73#
125.00	26.50	18.46#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046239.D
 Acq On : 23 Jun 2024 17:30
 Operator : MA/JU
 Sample : P2776-18
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C71

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:32:22 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.404	152	2643	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.172	136	8124	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.053	164	4603	0.400	ng/ul	-0.06
13) Phenanthrene-d10	16.799	188	9991m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.002	240	8183m	0.400	ng/ul	-0.04
23) Perylene-d12	23.095	264	9082m	0.400	ng/ul	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	12496	3.446	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.794	152	3132	0.287	ng/ul	-0.07
18) Fluoranthene-d10	18.835	212	6760	0.276	ng/ul	-0.05
Target Compounds						
					Qvalue	
5) Naphthalene	10.221	128	1177	0.052	ng/ul#	79
7) 2-Methylnaphthalene	11.866	142	403	0.032	ng/ul	94
8) 1-Methylnaphthalene	12.080	142	398	0.028	ng/ul	89
10) Acenaphthylene	13.771	152	5739	0.263	ng/ul	97
11) Acenaphthene	14.113	153	656	0.042	ng/ul	94
12) Fluorene	15.108	166	1436	0.085	ng/ul#	96
15) Phenanthrene	16.837	178	37956m	1.352	ng/ul	
16) Anthracene	16.930	178	8728m	0.418	ng/ul	
19) Fluoranthene	18.863	202	94206	2.659	ng/ul	98
20) Pyrene	19.225	202	63668	1.662	ng/ul	98
21) Benzo(a)anthracene	20.988	228	42392	1.341	ng/ul	98
22) Chrysene	21.040	228	43713	1.084	ng/ul	98
24) Benzo(b)fluoranthene	22.478	252	62580m	1.913	ng/ul	
25) Benzo(k)fluoranthene	22.516	252	23825m	0.612	ng/ul	
26) Benzo(a)pyrene	23.001	252	21813m	0.719	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.138	276	23307	0.470	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.141	278	7766	0.210	ng/ul#	72
29) Benzo(g,h,i)perylene	25.759	276	3978	0.093	ng/ul#	68

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046239.D
Acq On : 23 Jun 2024 17:30
Operator : MA/JU
Sample : P2776-18
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C71

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:32:22 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 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

