

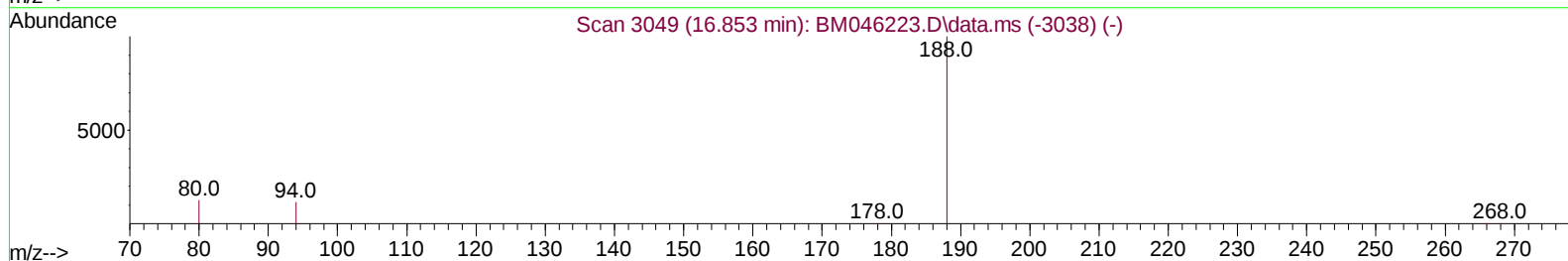
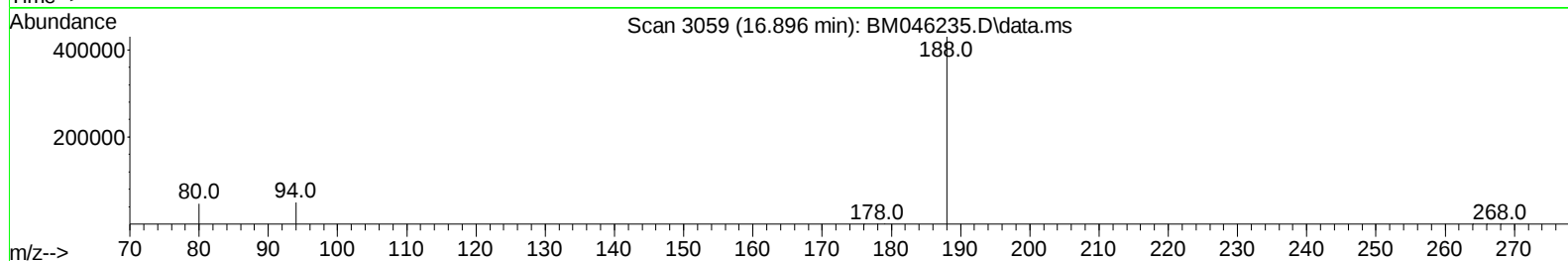
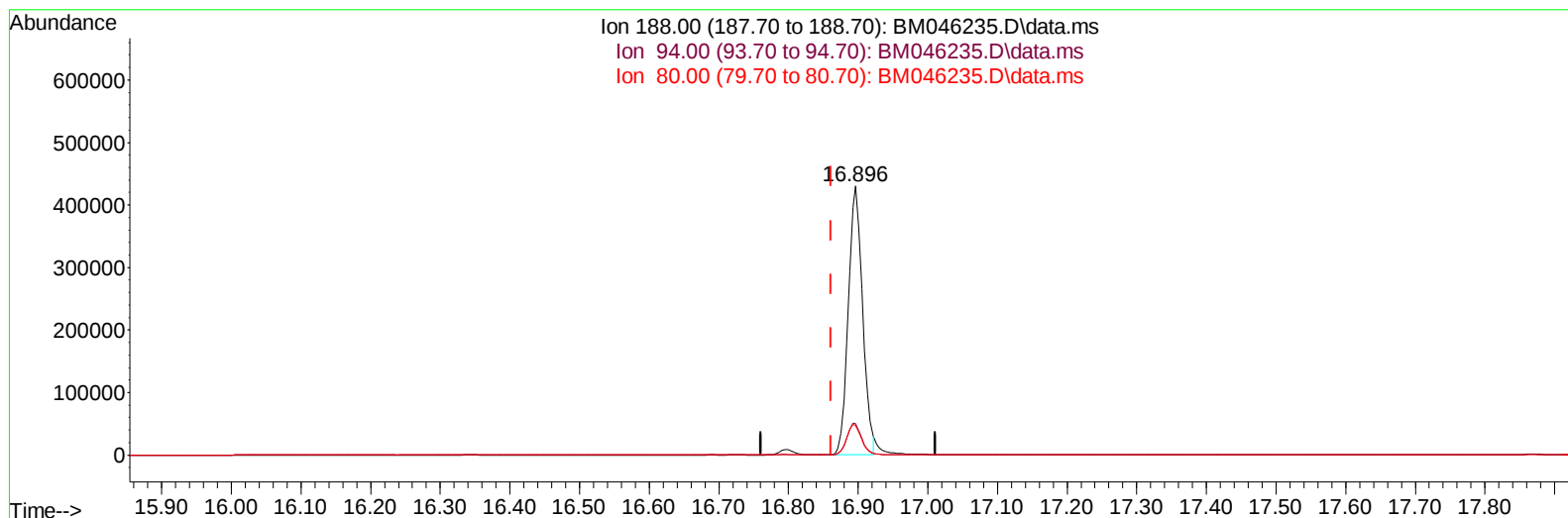
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:31:23 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: BM046235.D\data.ms

(13) Phenanthrene-d10 (I)

16.896min (+ 0.035) 0.40 ng/u1

response 611282

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.62
80.00	15.20	11.01#
0.00	0.00	0.00

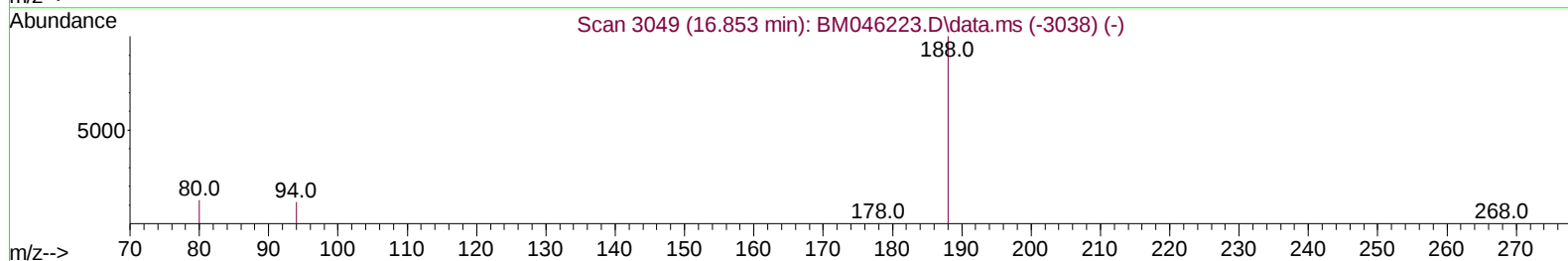
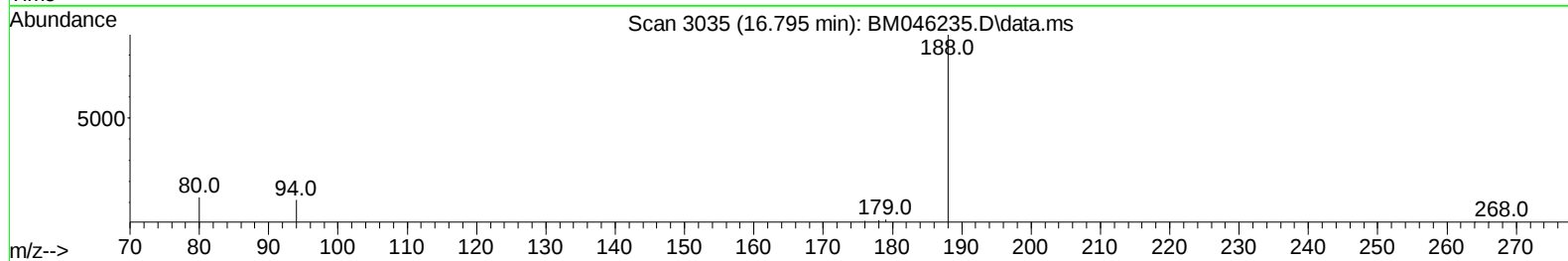
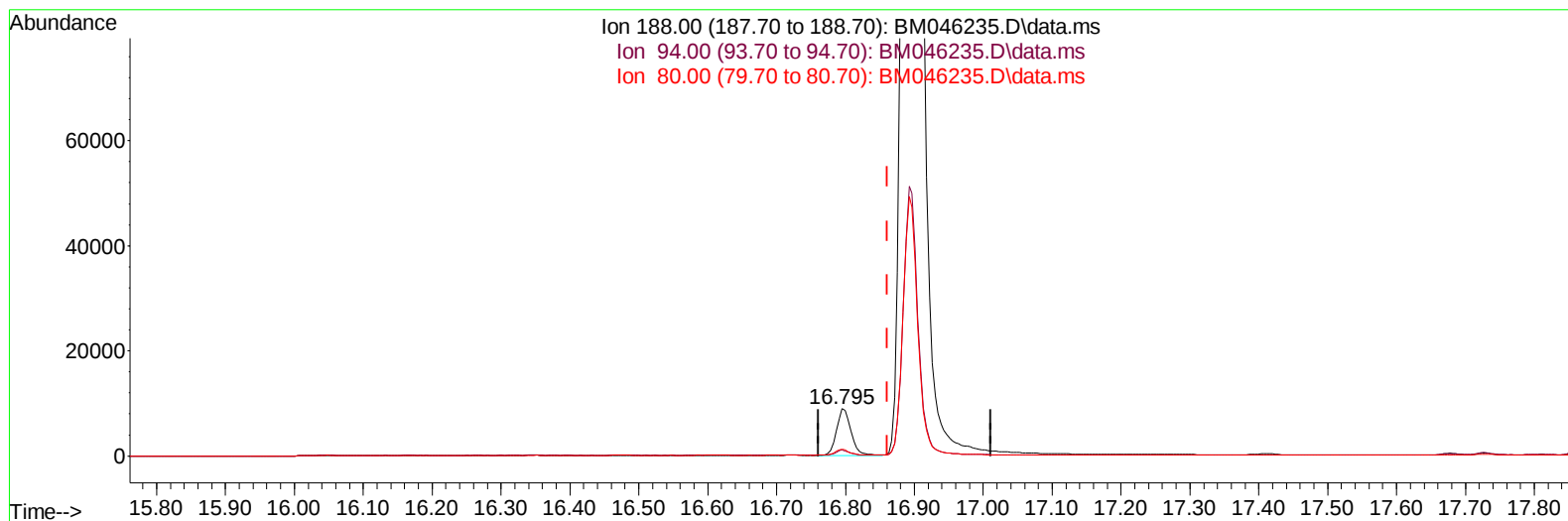
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:31:23 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046235.D\data.ms

(13) Phenanthrene-d10 (I)

16.795min (-0.066) 0.40 ng/ul m

response 13100

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.34
80.00	15.20	13.67
0.00	0.00	0.00

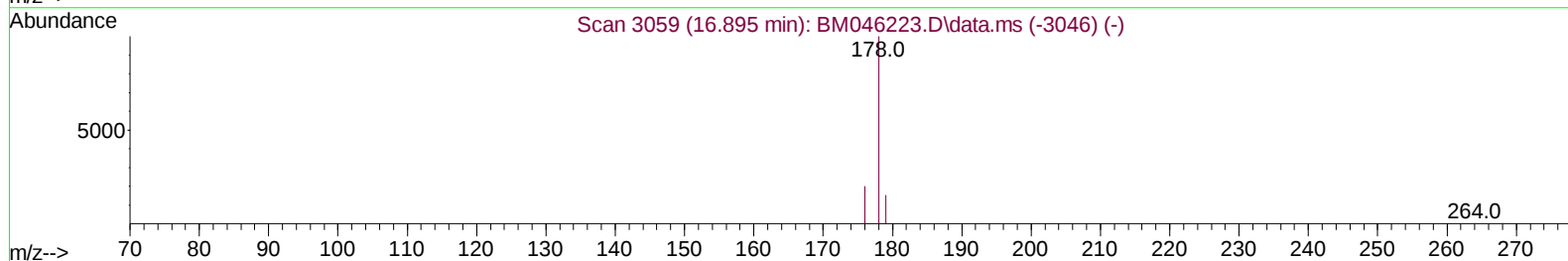
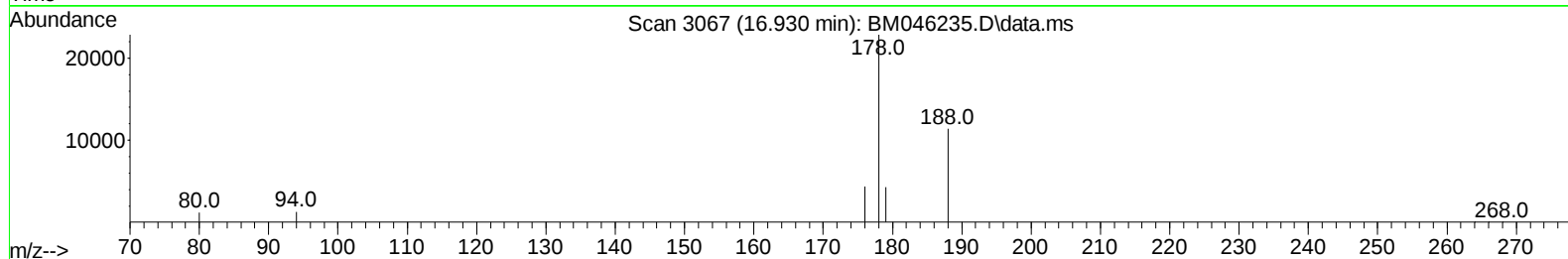
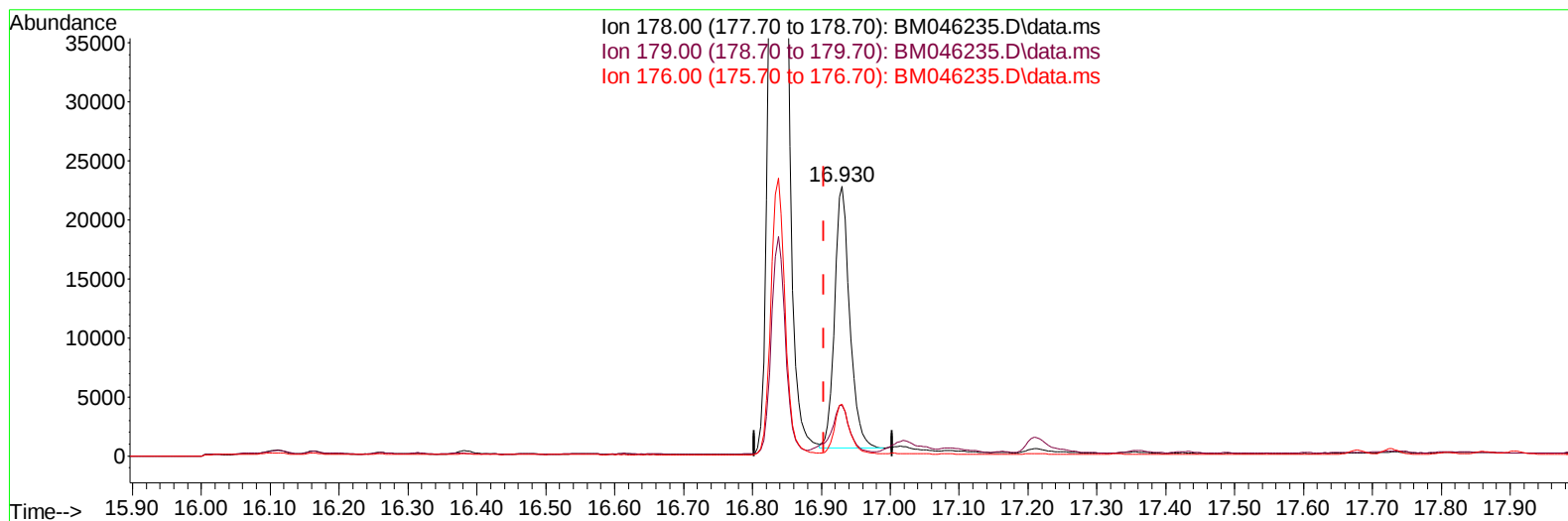
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

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

Quant Time: Jun 24 02:31:23 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: BM046235.D\data.ms

(15) Phenanthrene

16.930min (+ 0.027) 0.92 ng/u1

response 33839

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	18.72
176.00	21.40	19.12
0.00	0.00	0.00

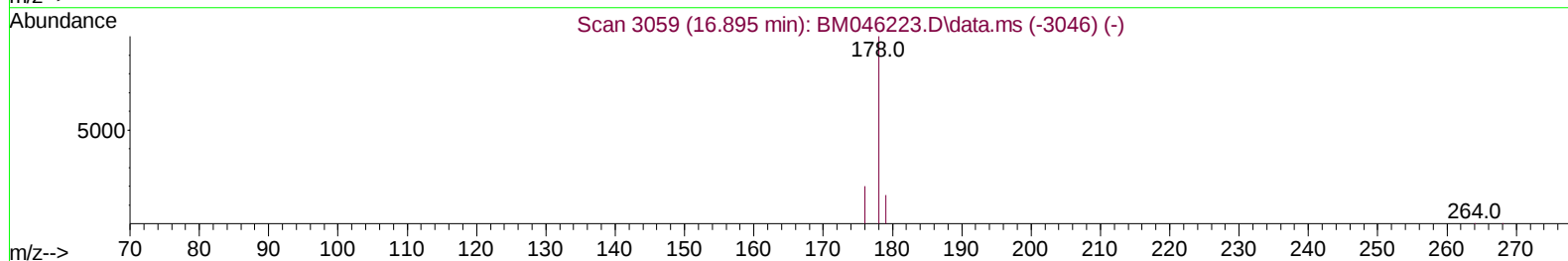
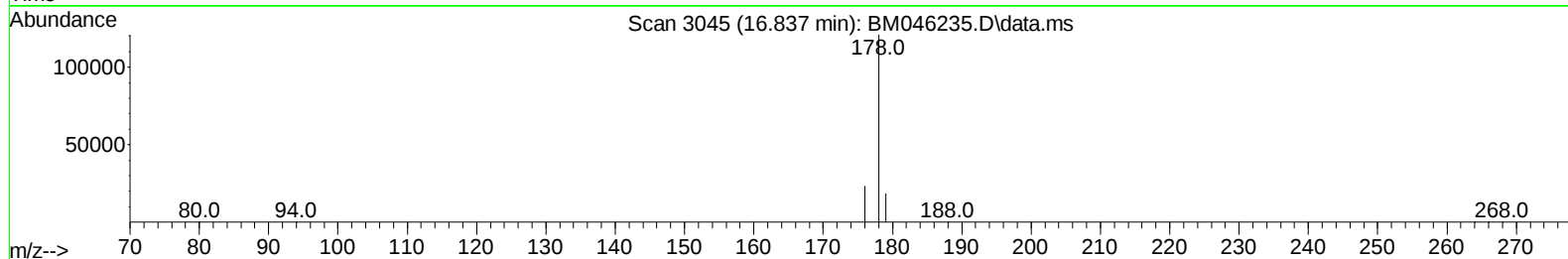
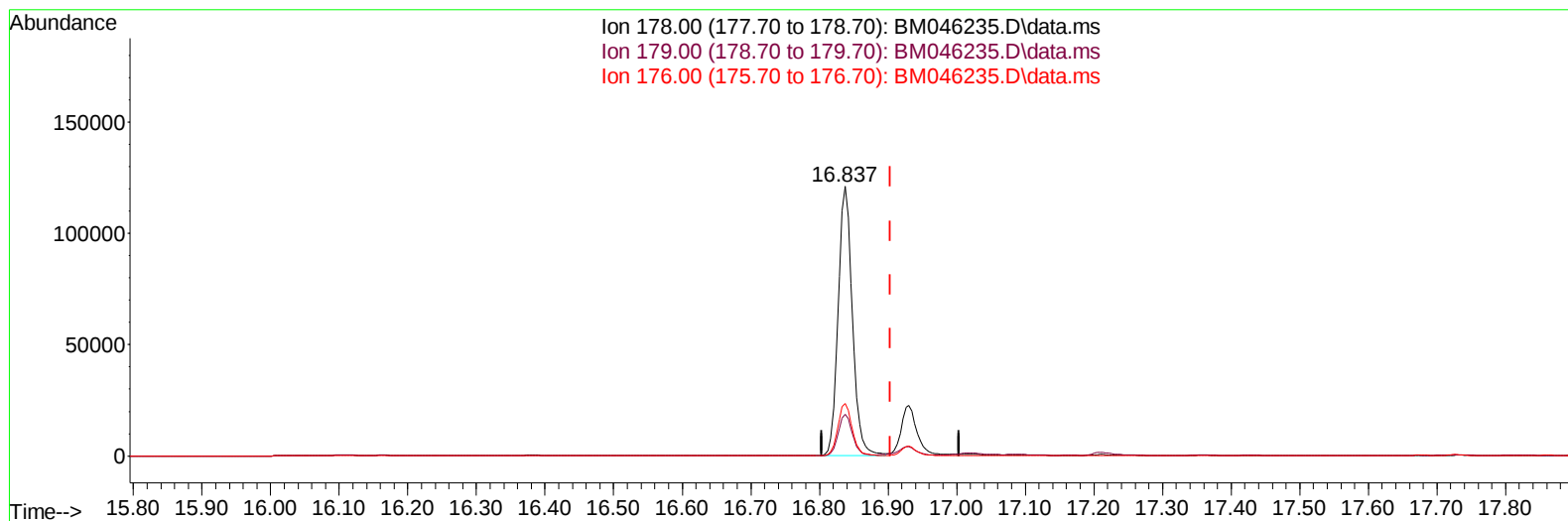
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046235.D
 Acq On : 23 Jun 2024 15:03
 Operator : MA/JU
 Sample : P2776-13
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CA8

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:31:23 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: BM046235.D\data.ms

(15) Phenanthrene

16.837min (-0.066) 4.70 ng/u1 m

response 173012

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.38
176.00	21.40	19.47
0.00	0.00	0.00

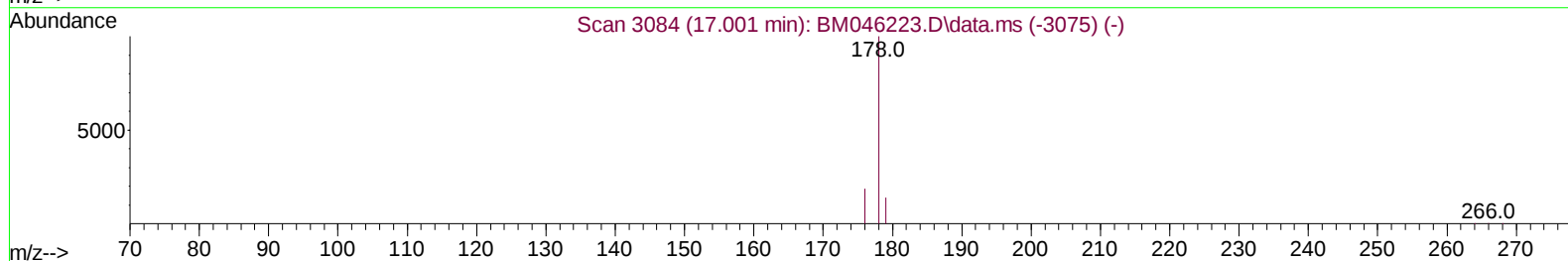
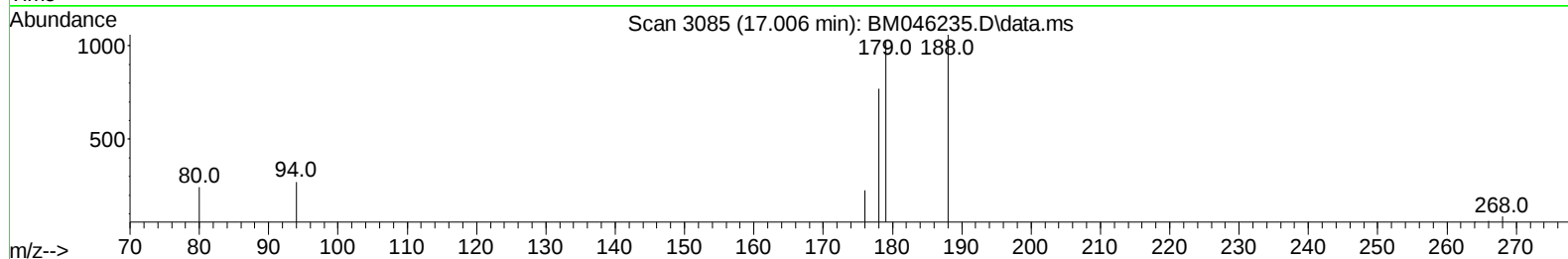
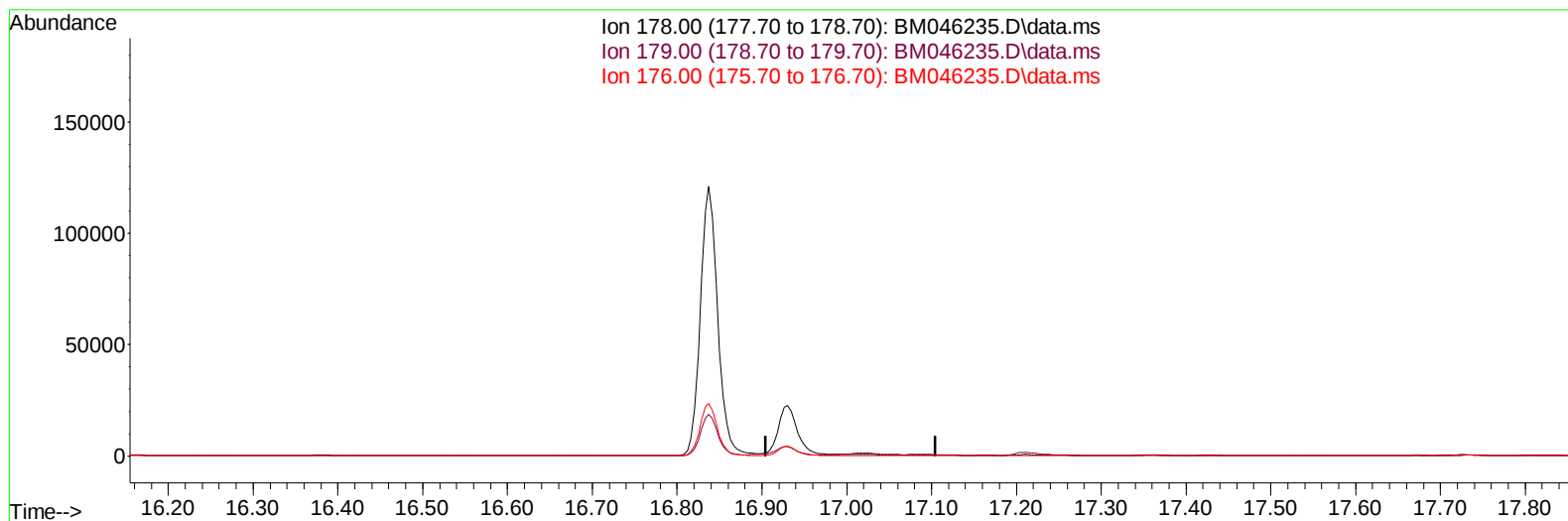
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

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TIC: BM046235.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

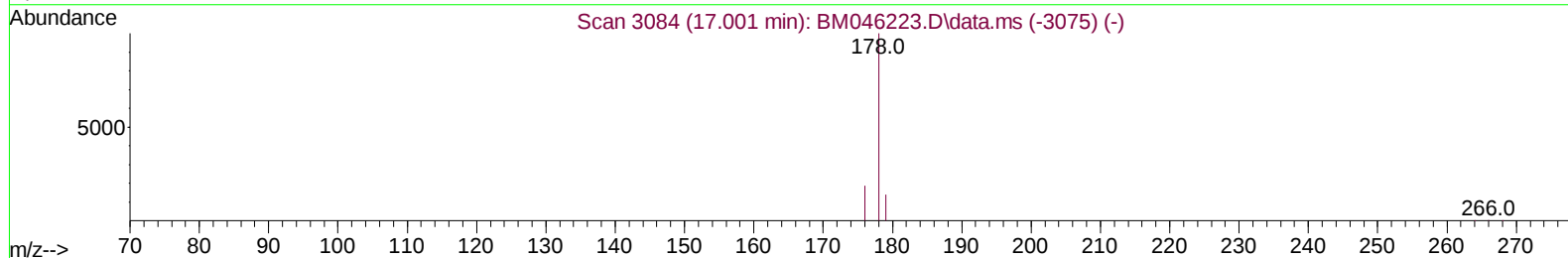
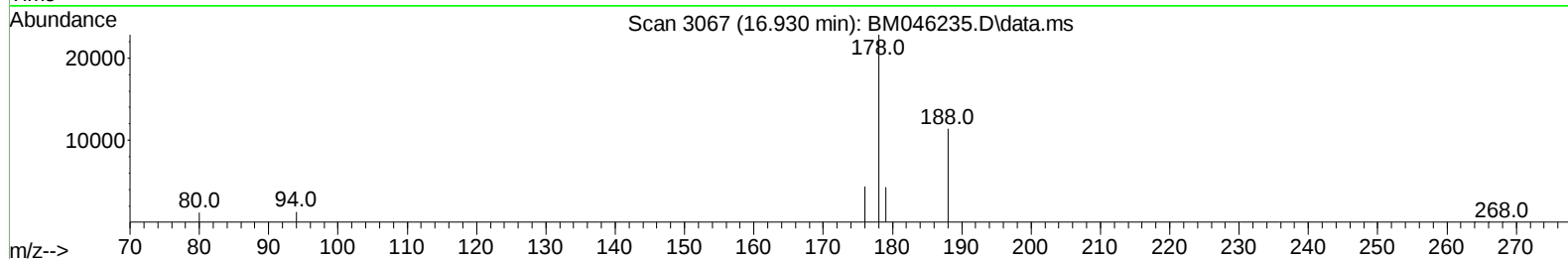
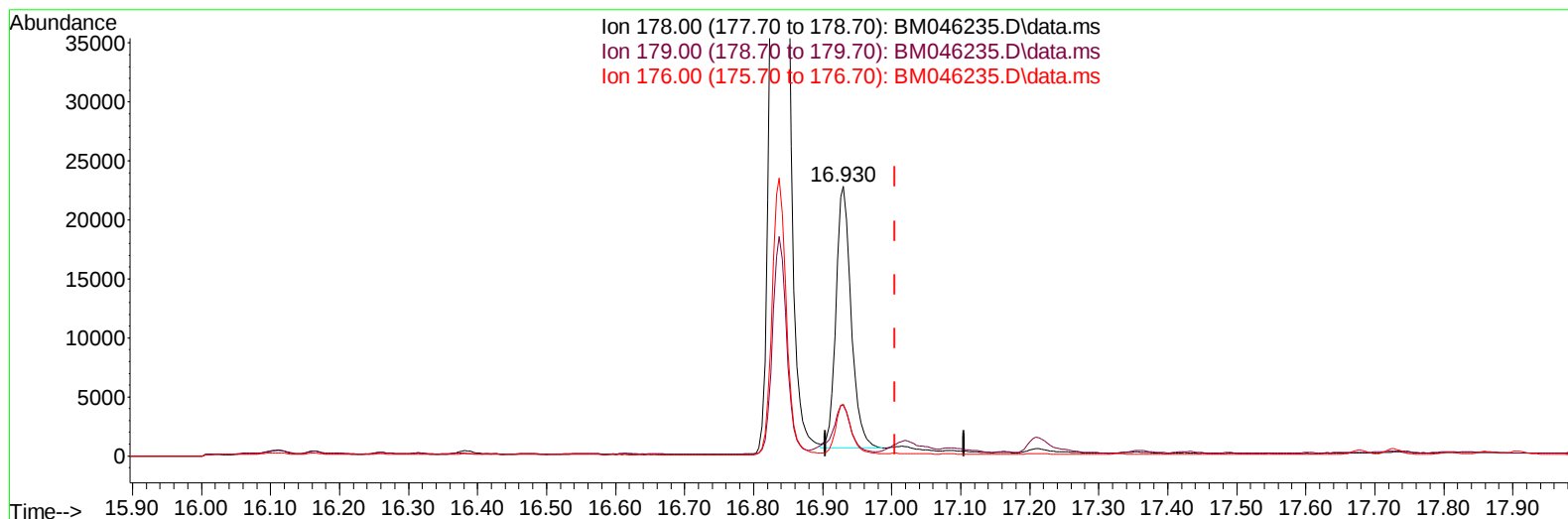
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:31:23 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 :Jagrut Upadhyay 06/24/2024



TIC: BM046235.D\data.ms

(16) Anthracene

16.930min (-0.075) 1.24 ng/ul m

response 33978

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	18.72
176.00	21.20	19.12
0.00	0.00	0.00

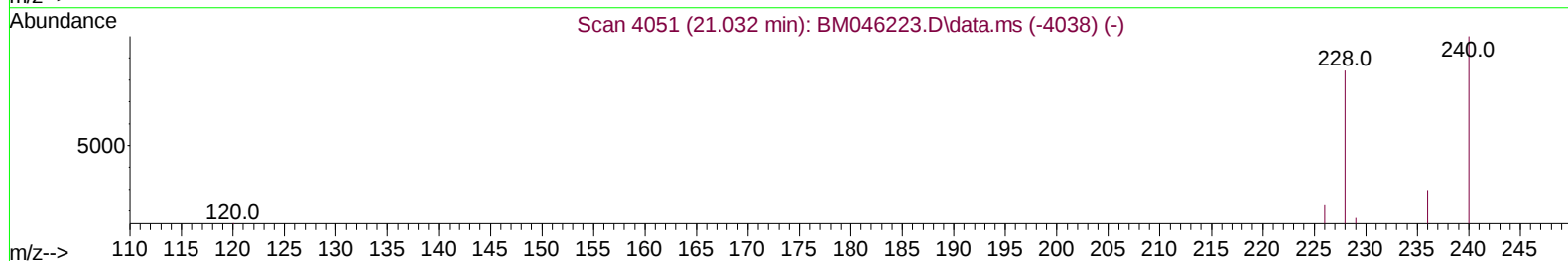
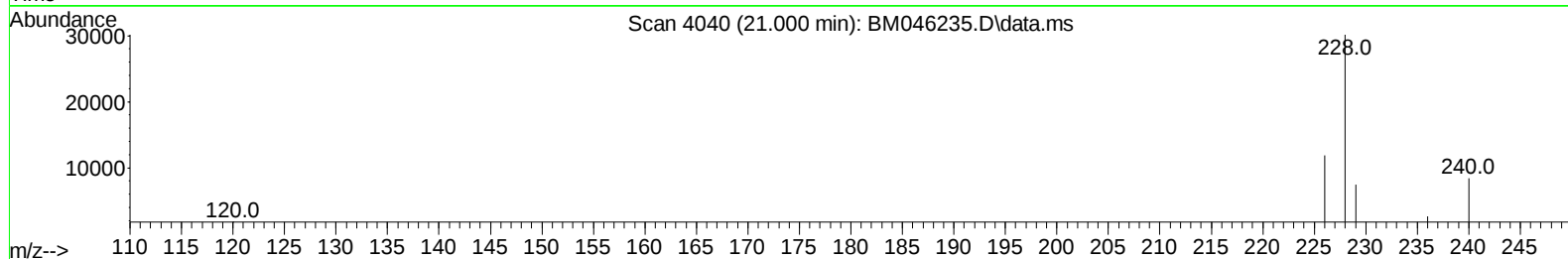
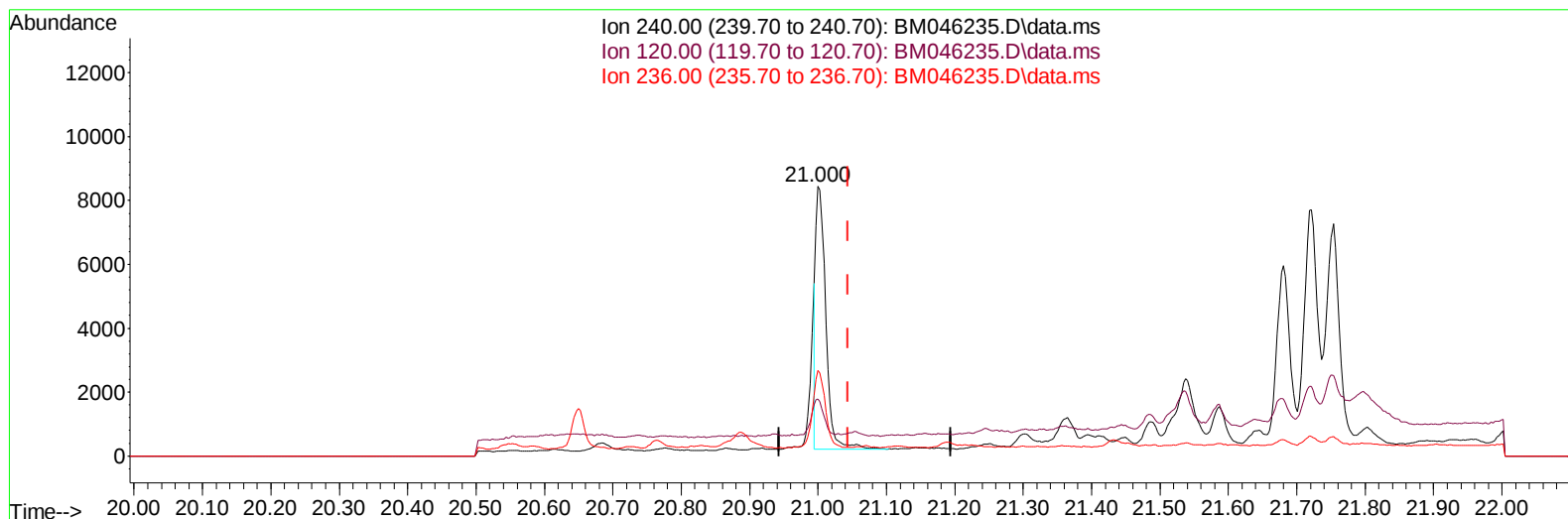
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:31:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046235.D\data.ms

(17) Chrysene-d12

21.000min (-0.044) 0.40 ng/u1

response 8433

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.10
236.00	33.60	31.80
0.00	0.00	0.00

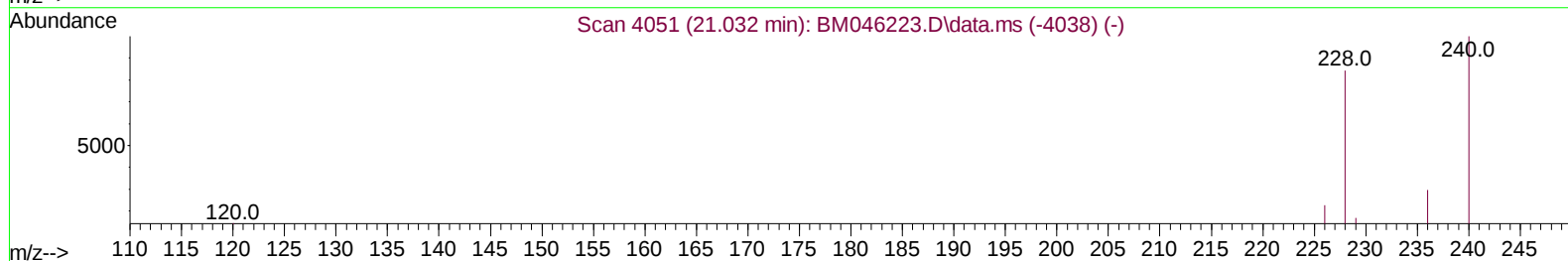
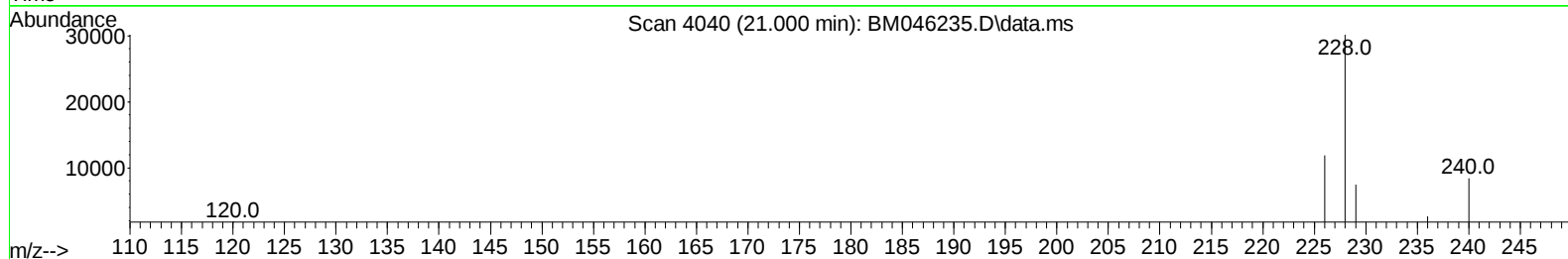
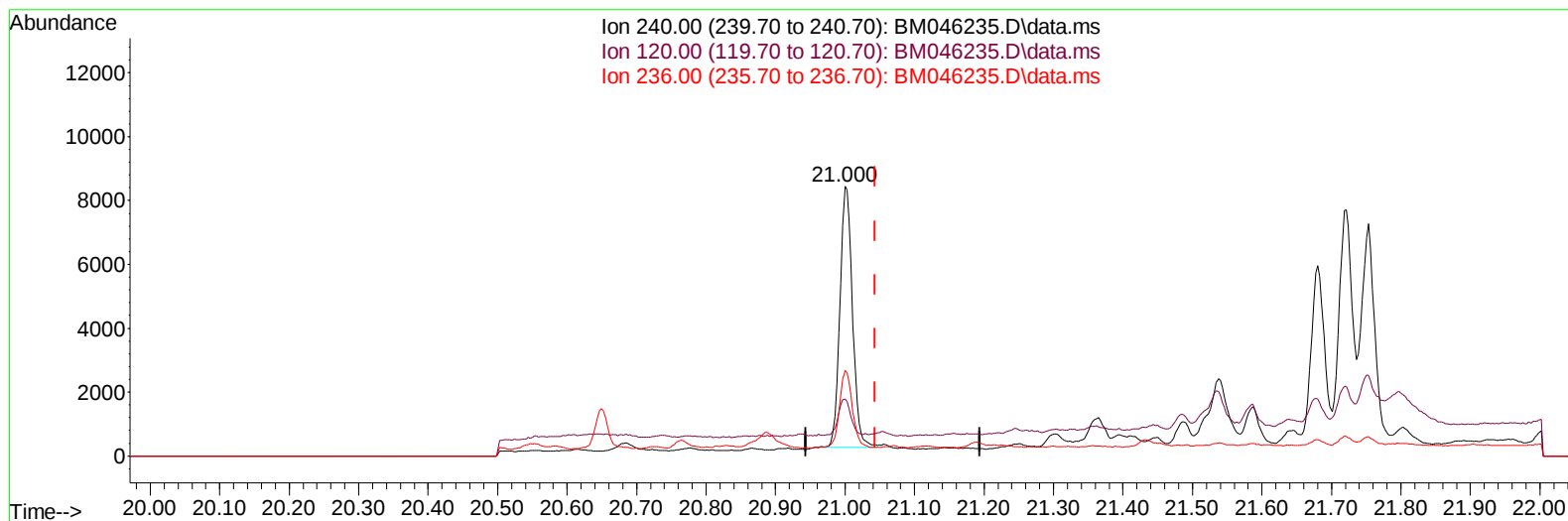
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:31:23 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: BM046235.D\data.ms

(17) Chrysene-d12

21.000min (-0.044) 0.40 ng/u1 m

response 10248

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.10
236.00	33.60	31.80
0.00	0.00	0.00

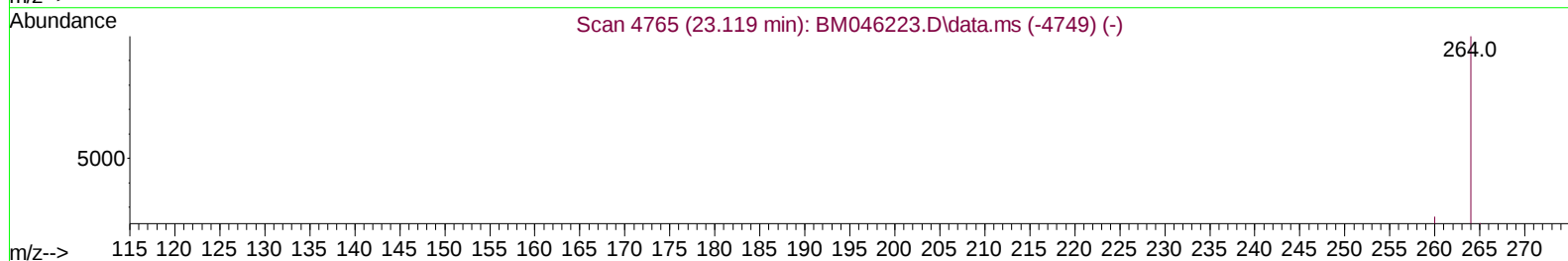
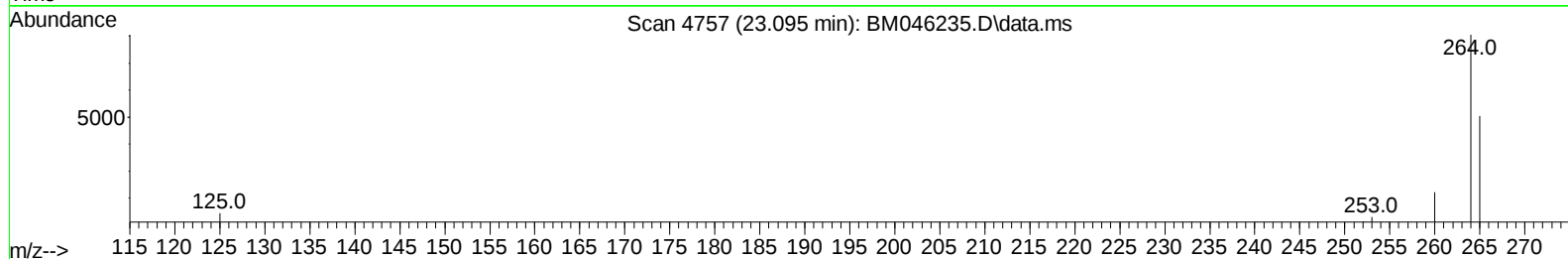
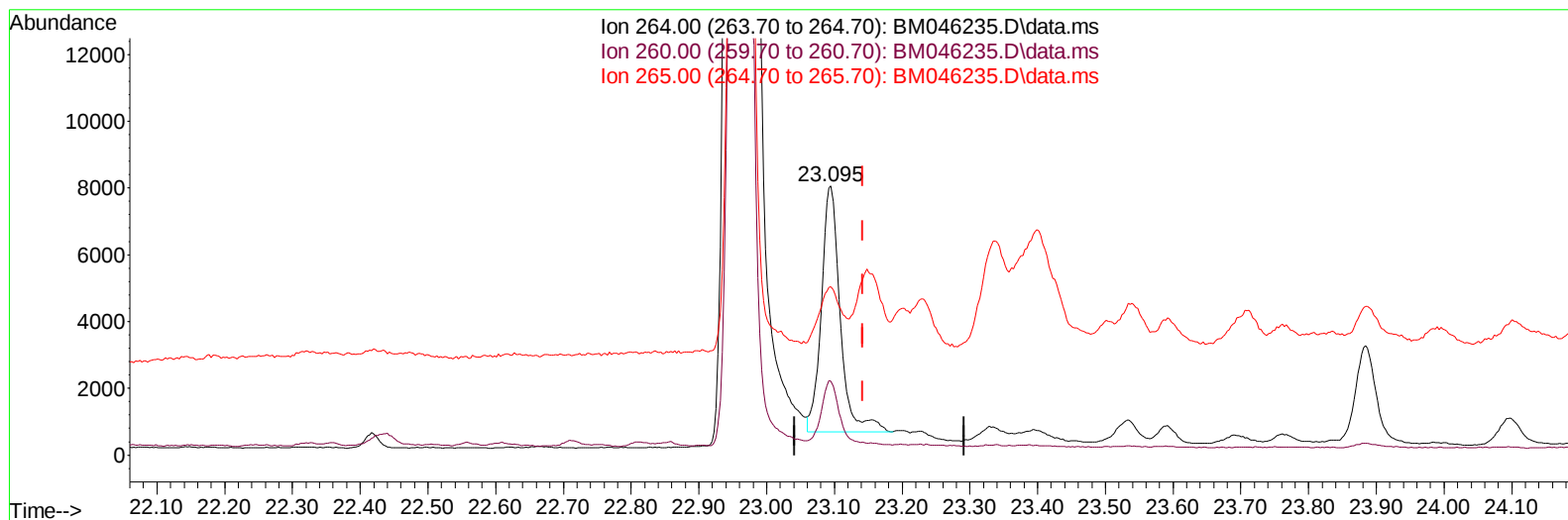
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046235.D\data.ms

(23) Perylene-d12 (I)

23.095min (-0.047) 0.40 ng/u1

response 14152

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.47
265.00	110.60	62.56#
0.00	0.00	0.00

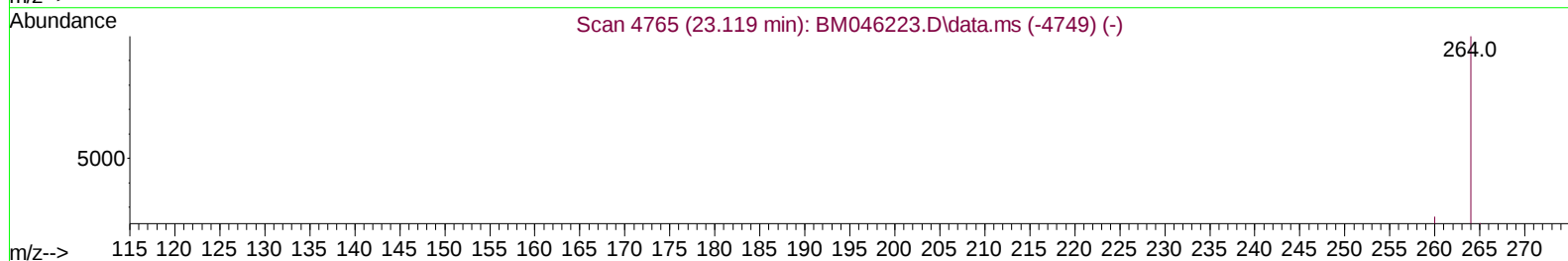
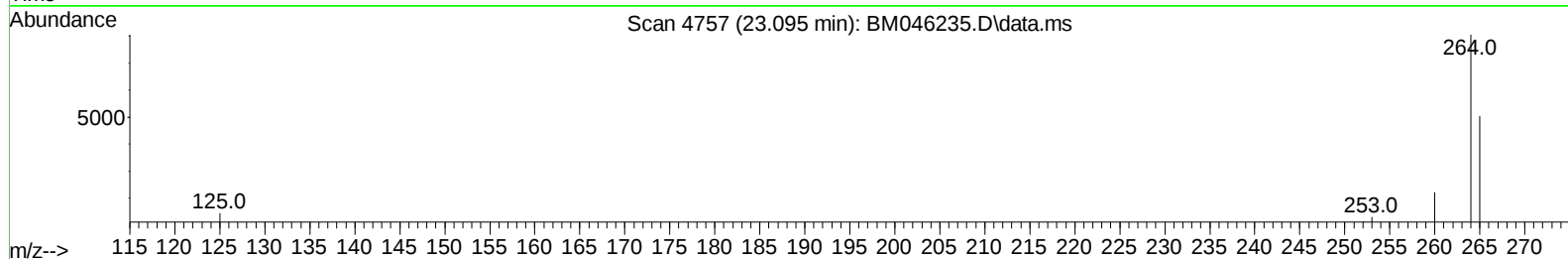
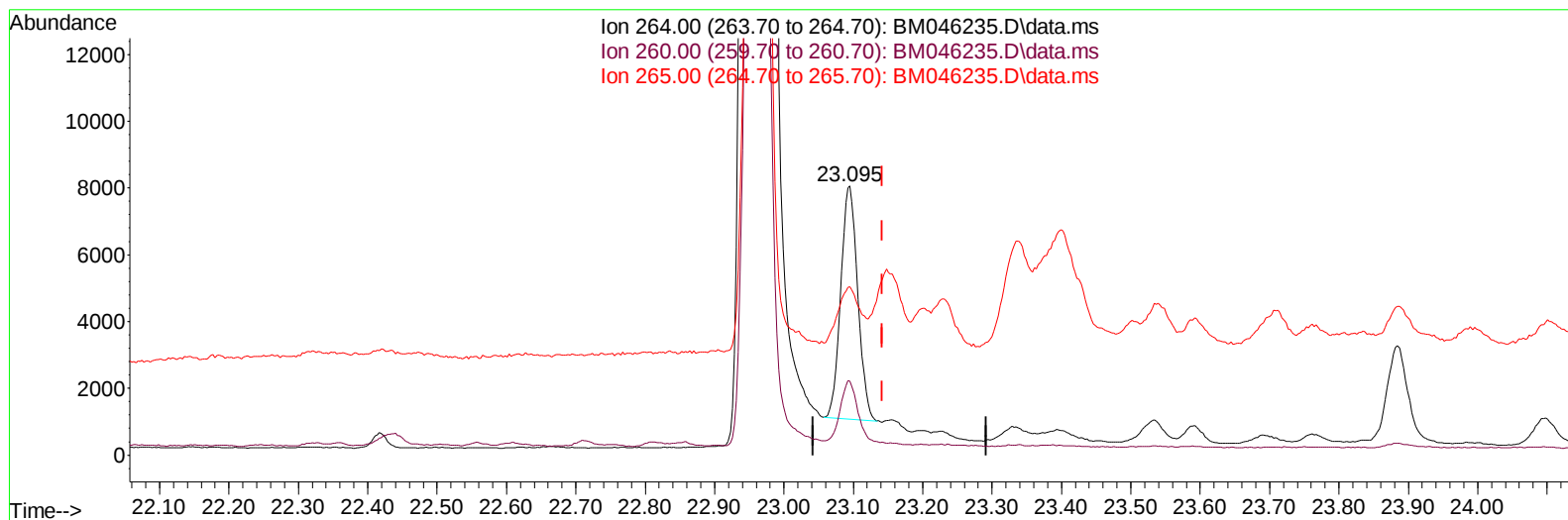
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Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

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

Quant Time: Jun 24 02:31:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046235.D\data.ms

(23) Perylene-d12 (I)

23.095min (-0.047) 0.40 ng/ul m

response 11841

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.47
265.00	110.60	62.56#
0.00	0.00	0.00

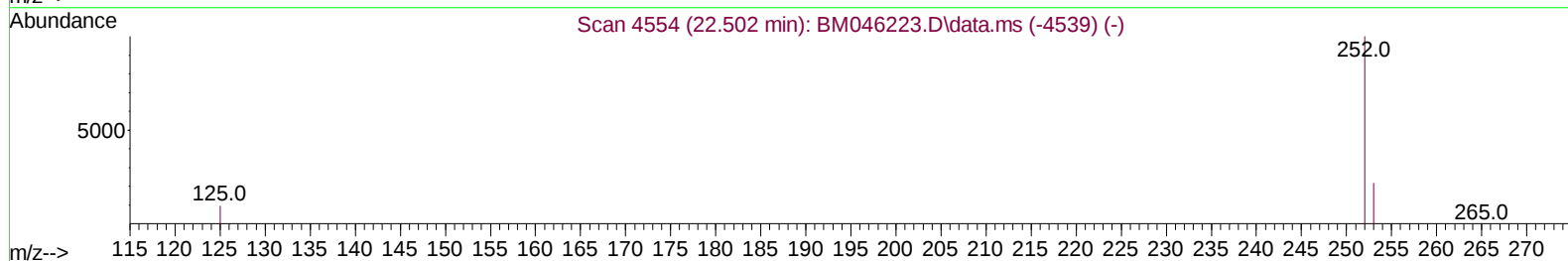
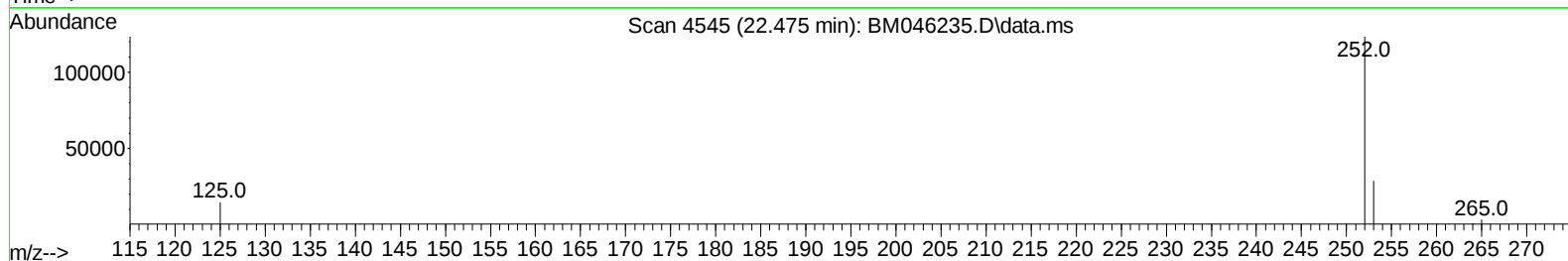
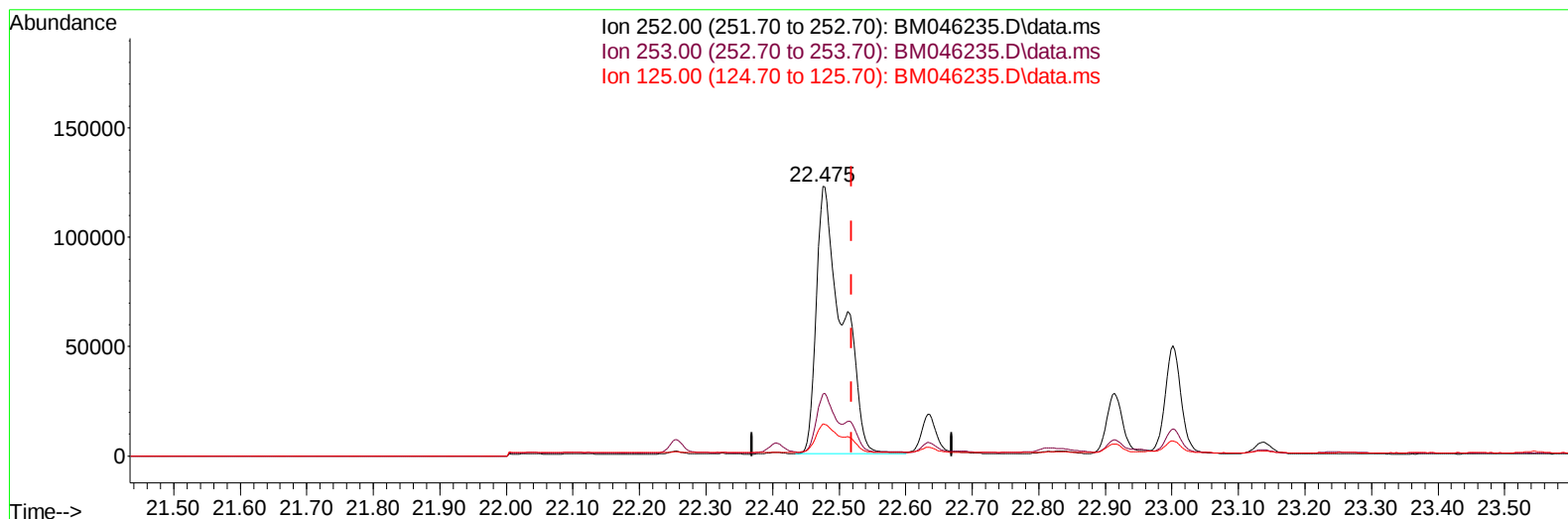
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

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TIC: BM046235.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.044) 7.73 ng/u1

response 329944

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.08
125.00	20.10	11.82
0.00	0.00	0.00

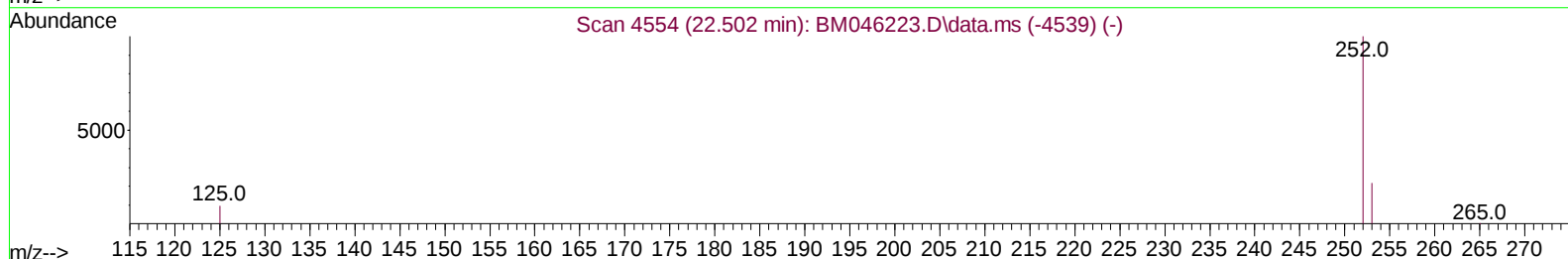
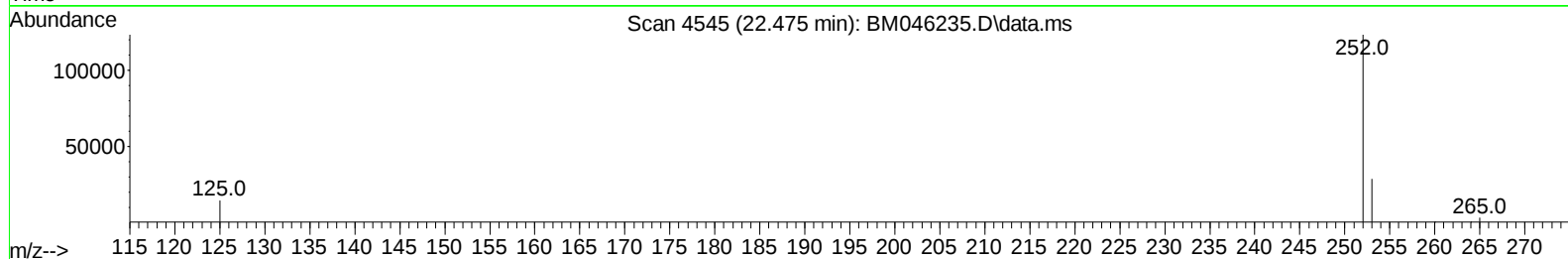
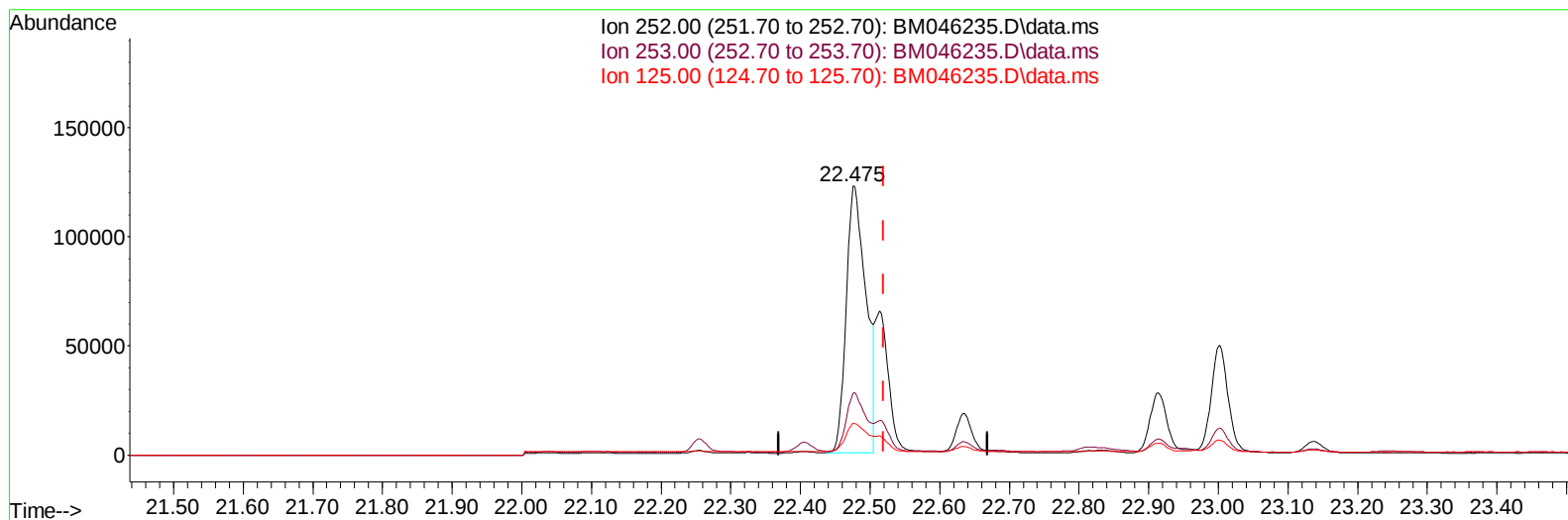
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

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Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046235.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.044) 5.65 ng/u1 m

response 241045

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.08
125.00	20.10	11.82
0.00	0.00	0.00

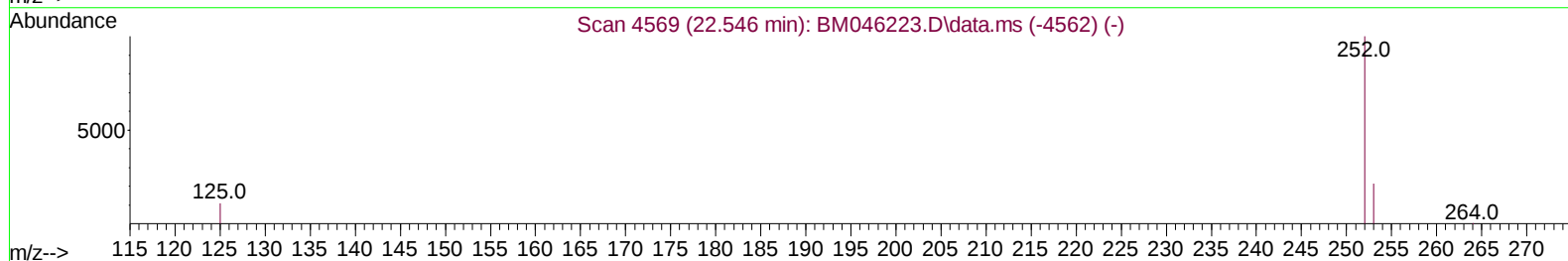
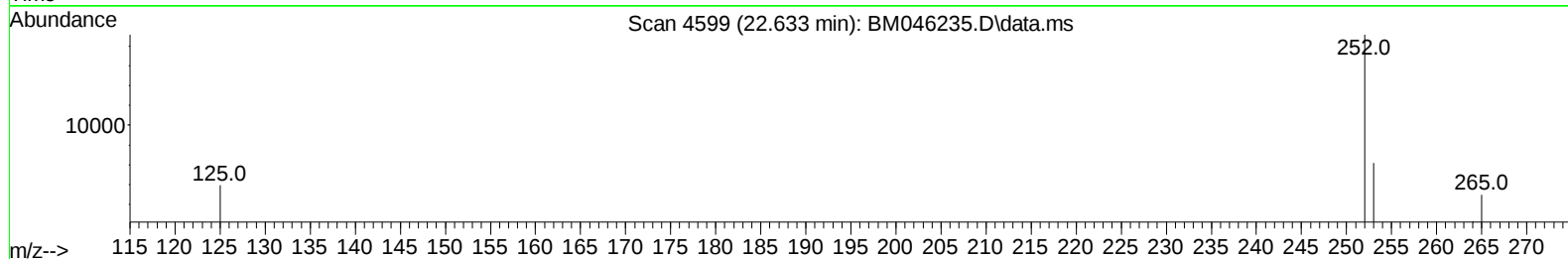
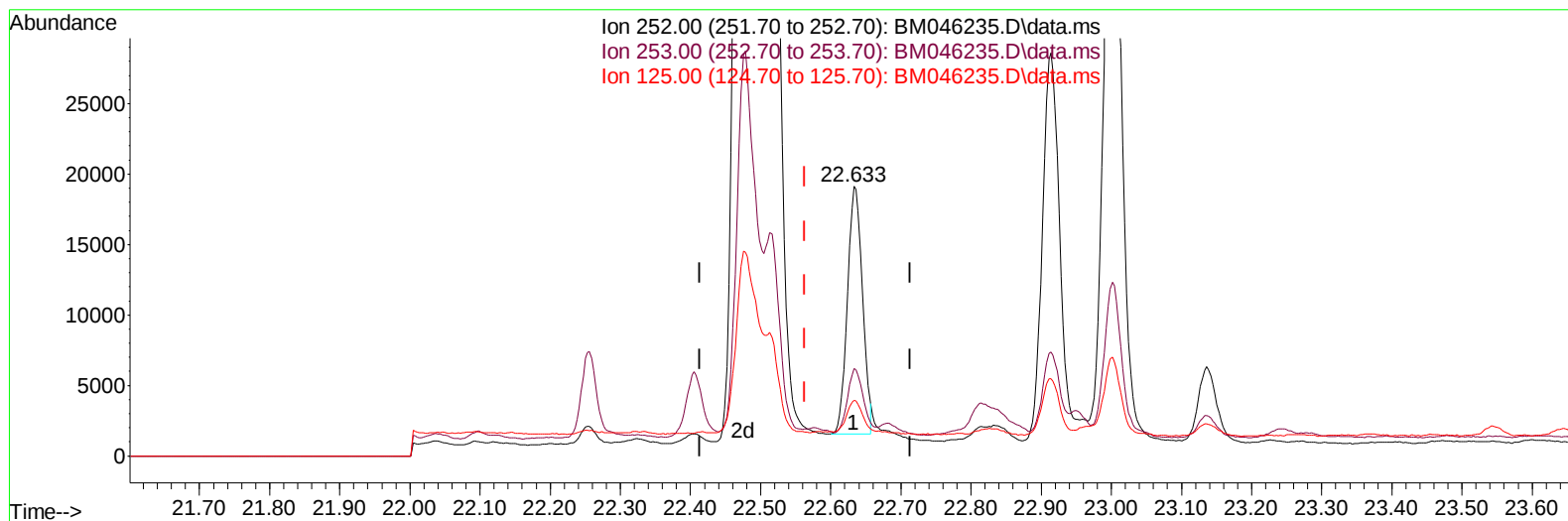
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046235.D
Acq On : 23 Jun 2024 15:03
Operator : MA/JU
Sample : P2776-13
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA8

Manual IntegrationsAPPROVED

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TIC: BM046235.D\data.ms

(25) Benzo(k)fluoranthene

22.633min (+ 0.070) 0.51 ng/u1

response 26091

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	32.48
125.00	20.80	20.62
0.00	0.00	0.00

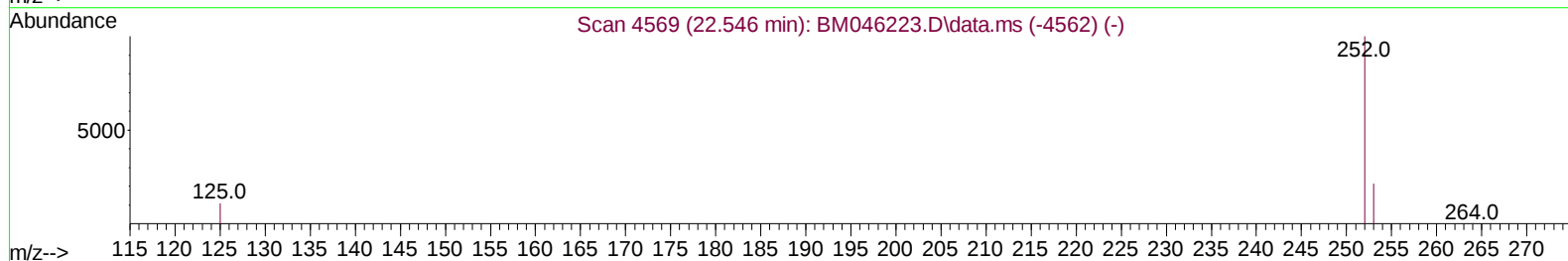
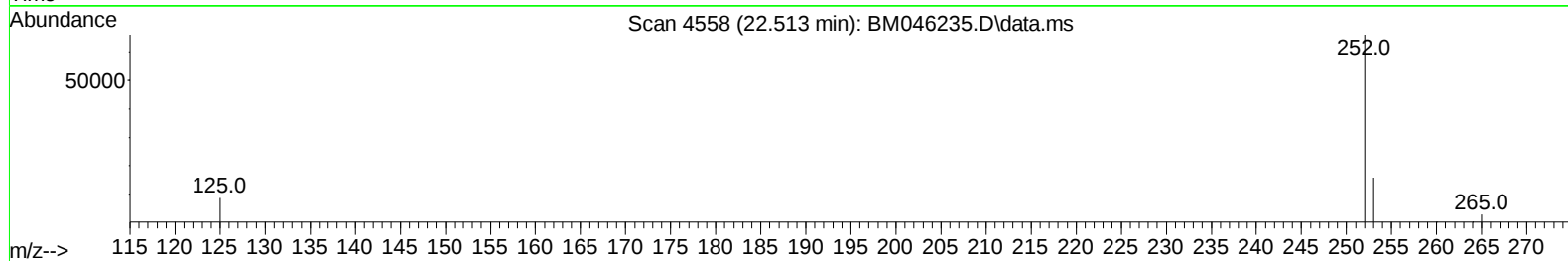
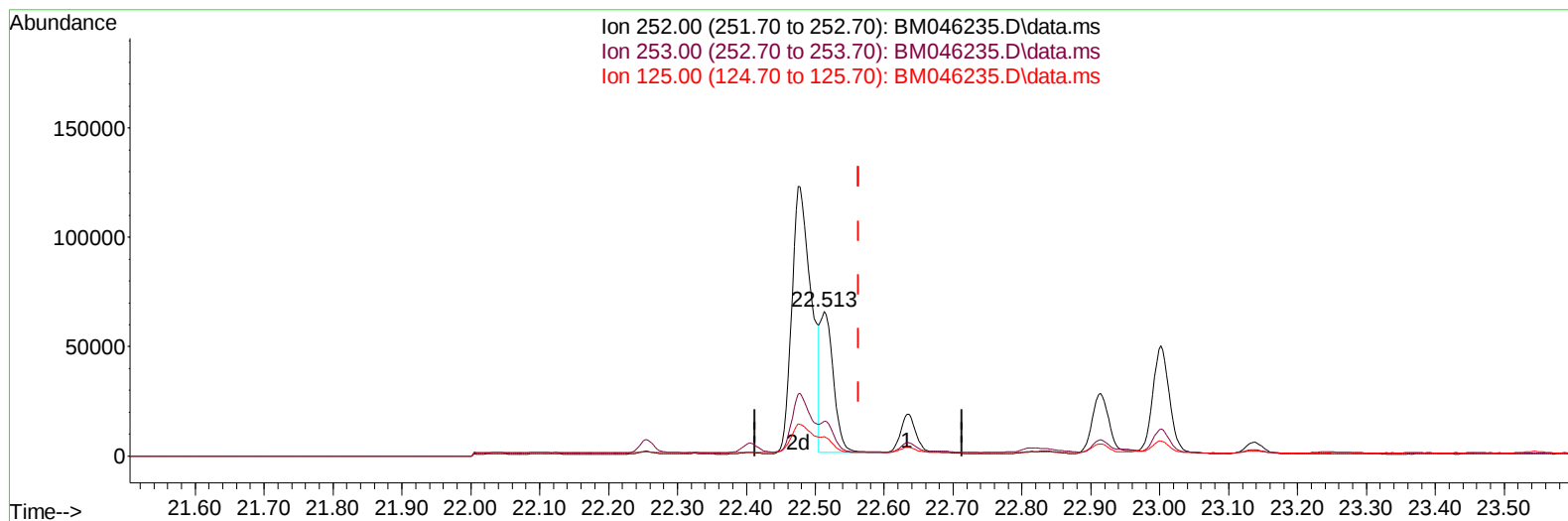
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046235.D
 Acq On : 23 Jun 2024 15:03
 Operator : MA/JU
 Sample : P2776-13
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CA8

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:31:23 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: BM046235.D\data.ms

(25) Benzo(k)fluoranthene

22.513min (-0.050) 1.69 ng/u1 m

response 85864

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.01#
125.00	20.80	13.25#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.405	152	3503	0.400	ng/ul	#-0.06
4) Naphthalene-d8	10.172	136	10772	0.400	ng/ul	#-0.08
9) Acenaphthene-d10	14.053	164	5922	0.400	ng/ul	-0.06
13) Phenanthrene-d10	16.795	188	13100m	0.400	ng/ul	-0.07
17) Chrysene-d12	21.000	240	10248m	0.400	ng/ul	-0.04
23) Perylene-d12	23.095	264	11841m	0.400	ng/ul	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	14709	3.061	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.789	152	3595	0.249	ng/ul	-0.08
18) Fluoranthene-d10	18.830	212	8109	0.264	ng/ul	-0.05
Target Compounds						
						Qvalue
5) Naphthalene	10.216	128	4362	0.145	ng/ul	98
7) 2-Methylnaphthalene	11.866	142	1414	0.084	ng/ul	100
8) 1-Methylnaphthalene	12.080	142	1310	0.071	ng/ul	98
10) Acenaphthylene	13.771	152	10415	0.371	ng/ul	98
11) Acenaphthene	14.114	153	6605	0.326	ng/ul	98
12) Fluorene	15.108	166	8202	0.377	ng/ul	100
15) Phenanthrene	16.837	178	173012m	4.701	ng/ul	
16) Anthracene	16.930	178	33978m	1.240	ng/ul	
19) Fluoranthene	18.863	202	381864	8.606	ng/ul	95
20) Pyrene	19.225	202	252686	5.266	ng/ul	96
21) Benzo(a)anthracene	20.985	228	157881	3.988	ng/ul	100
22) Chrysene	21.035	228	172501	3.415	ng/ul	100
24) Benzo(b)fluoranthene	22.475	252	241045m	5.650	ng/ul	
25) Benzo(k)fluoranthene	22.513	252	85864m	1.693	ng/ul	
26) Benzo(a)pyrene	23.001	252	83722	2.118	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.132	276	88314	1.365	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.135	278	28337	0.588	ng/ul	97
29) Benzo(g,h,i)perylene	25.759	276	13453	0.242	ng/ul	93

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

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