

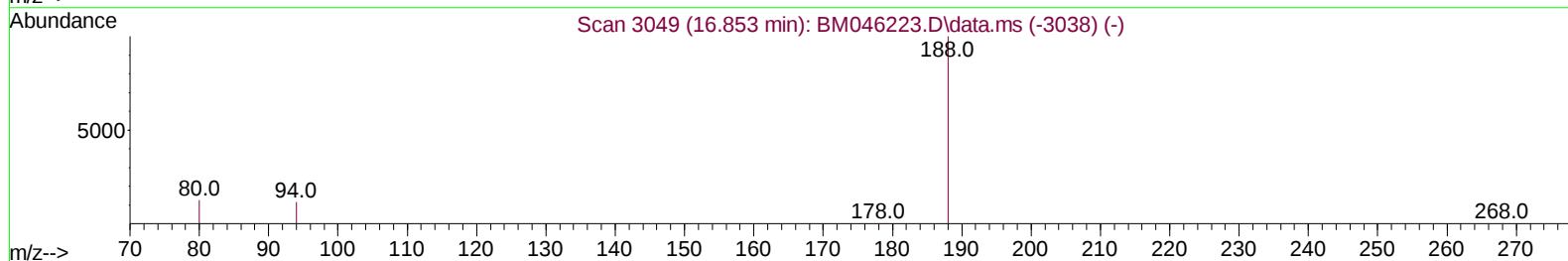
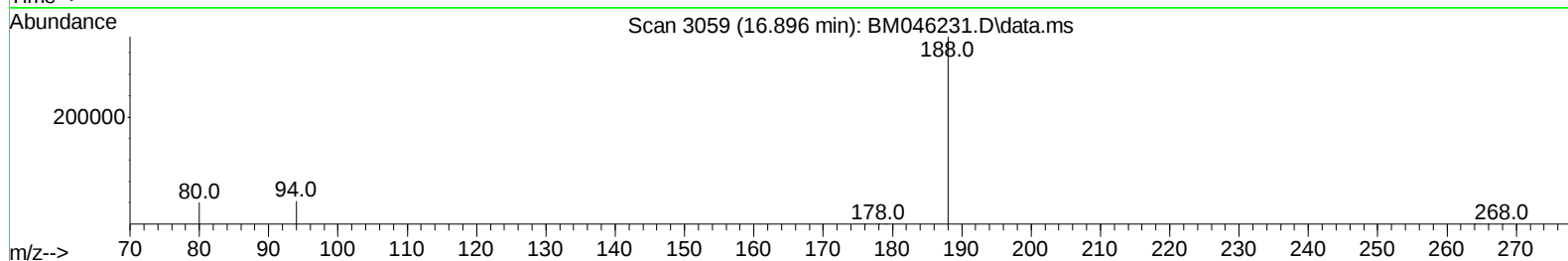
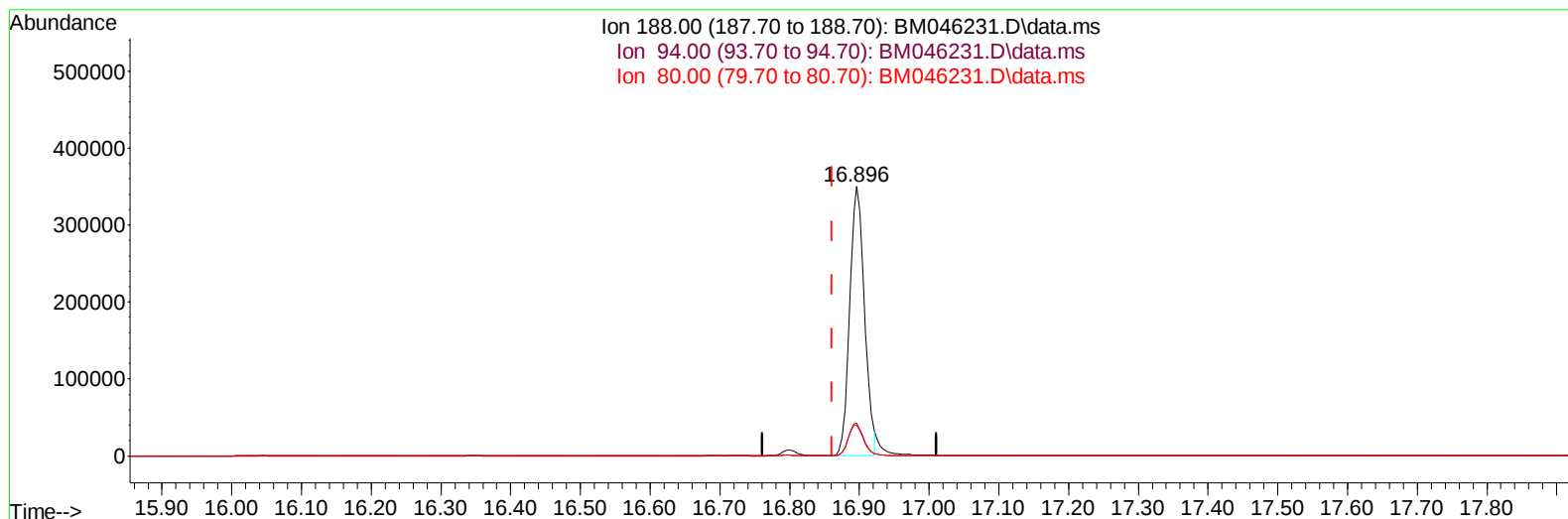
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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: BM046231.D\data.ms

(13) Phenanthrene-d10 (I)

16.896min (+ 0.035) 0.40 ng/u1

response 513179

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.08
80.00	15.20	11.52#
0.00	0.00	0.00

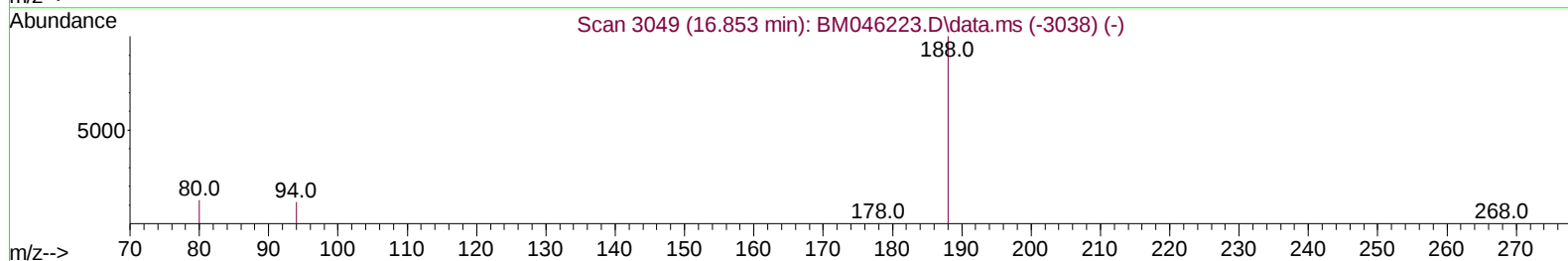
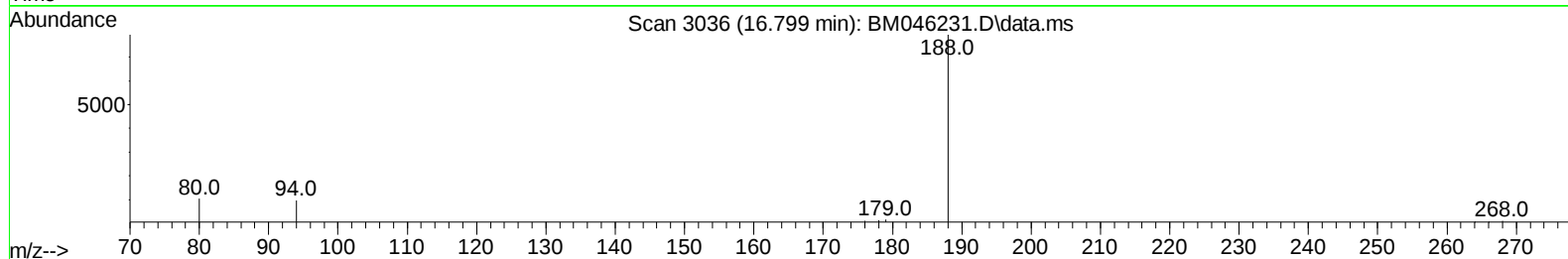
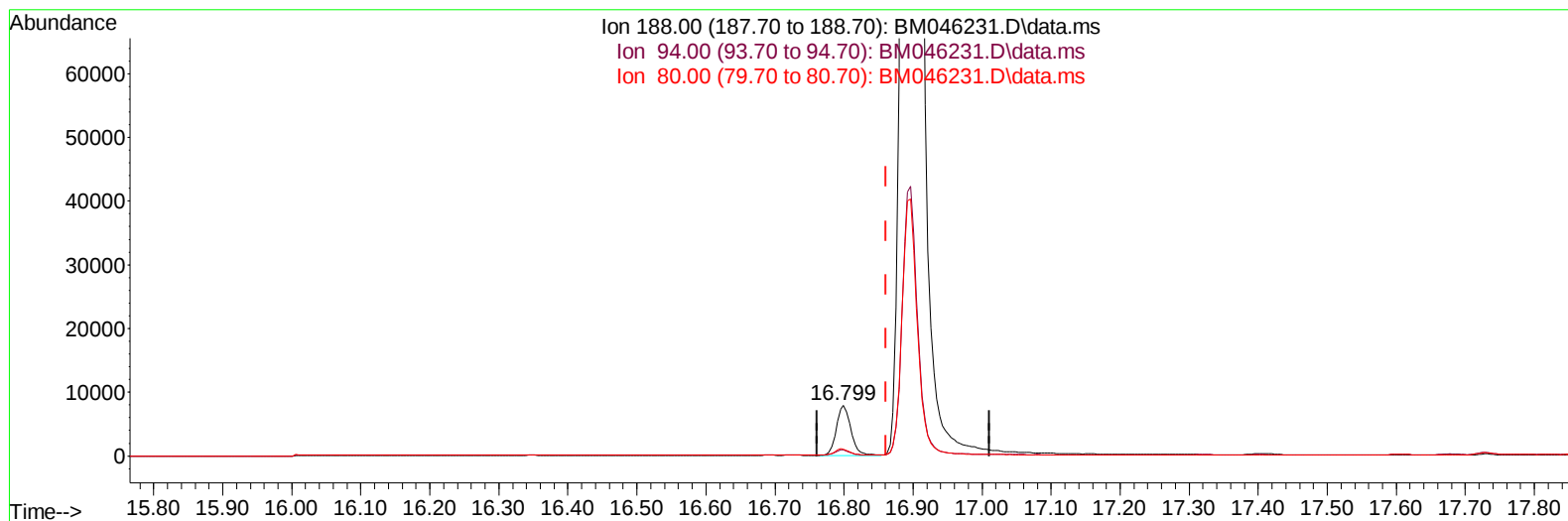
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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: BM046231.D\data.ms

(13) Phenanthrene-d10 (I)

16.799min (-0.062) 0.40 ng/ul m

response 11439

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.11
80.00	15.20	13.03
0.00	0.00	0.00

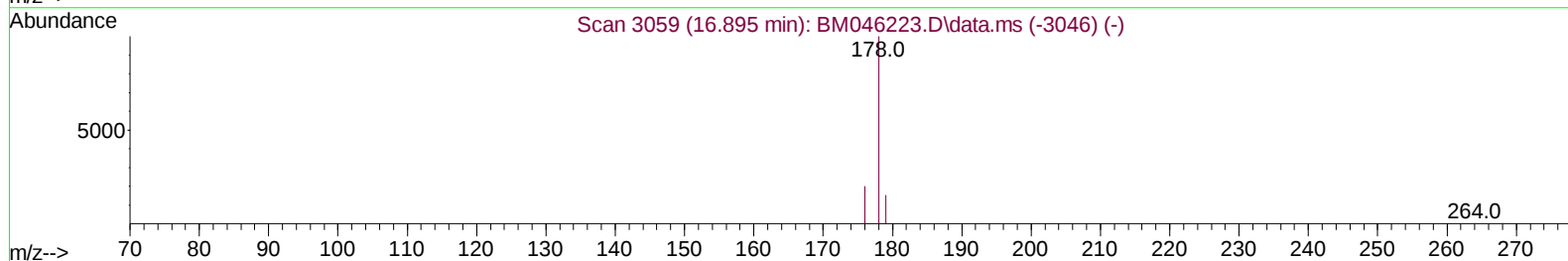
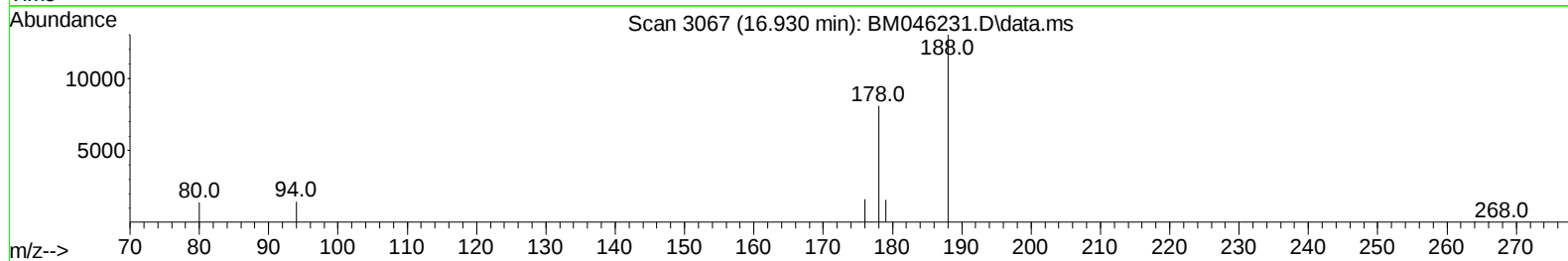
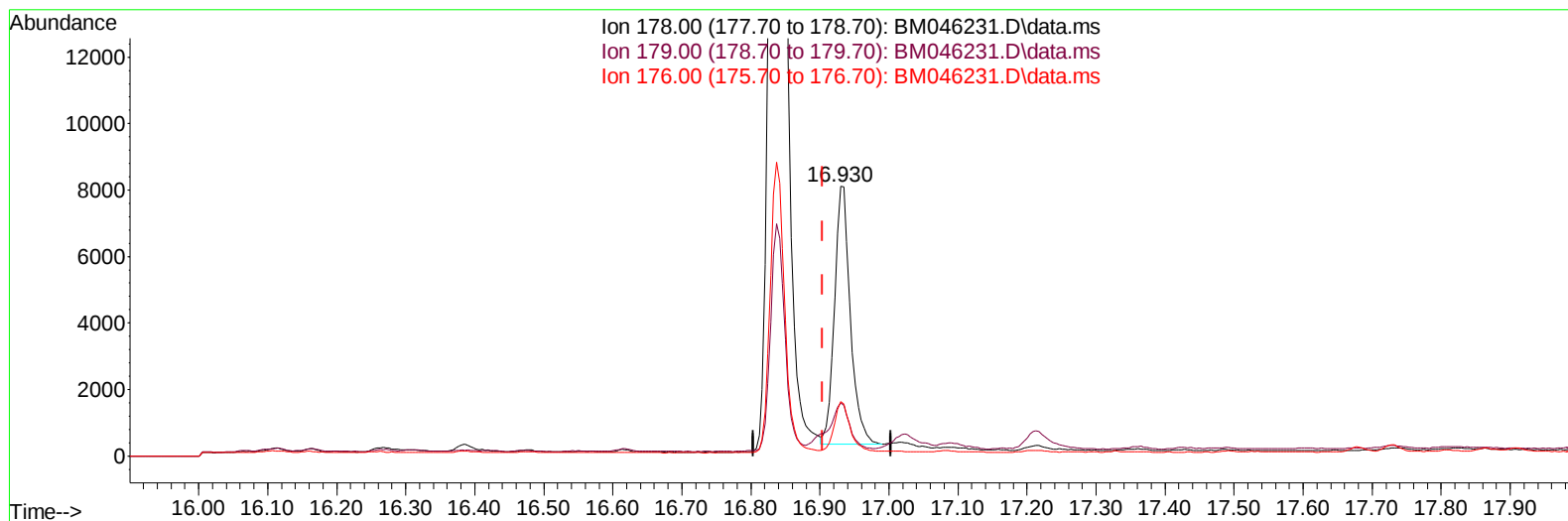
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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: BM046231.D\data.ms

(15) Phenanthrene

16.930min (+ 0.027) 0.38 ng/u1

response 12373

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	19.75
176.00	21.40	20.11
0.00	0.00	0.00

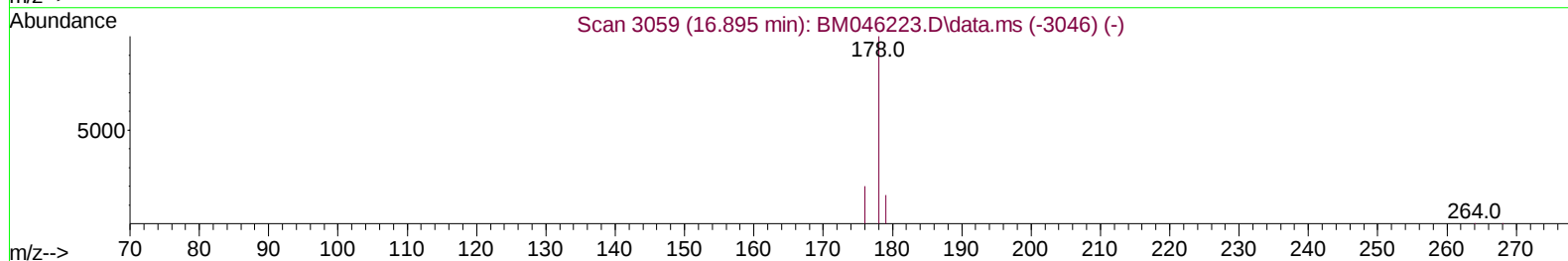
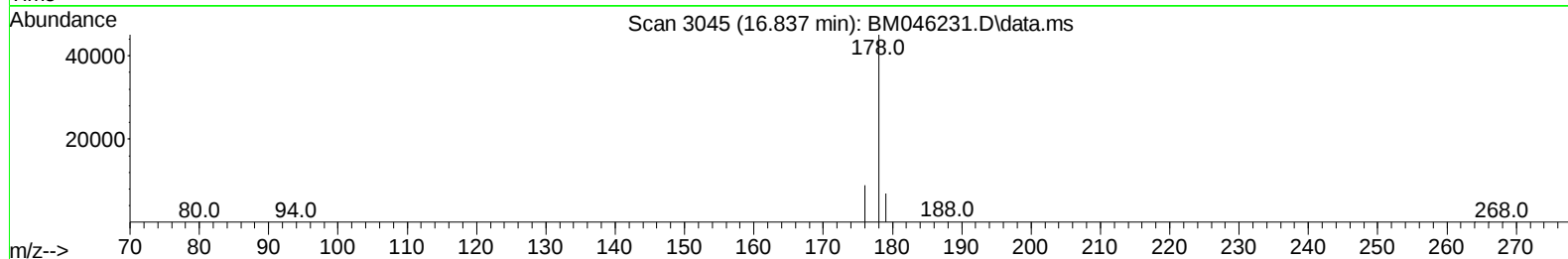
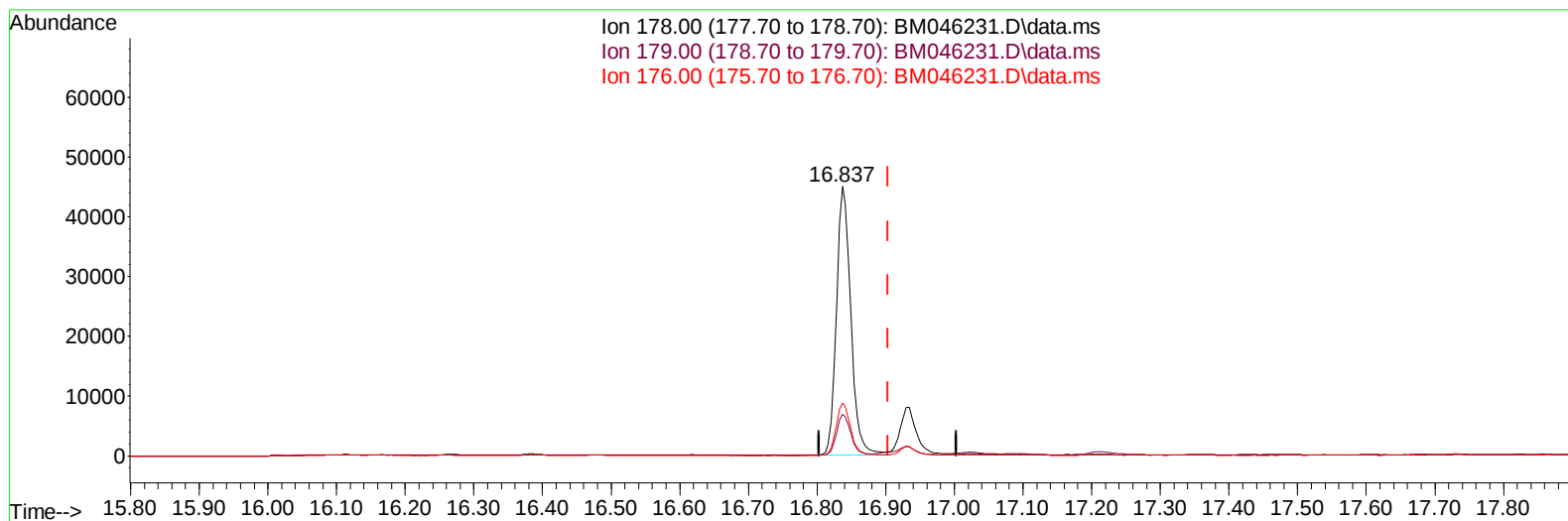
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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: BM046231.D\data.ms

(15) Phenanthrene

16.837min (-0.066) 2.04 ng/u1 m

response 65419

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.53
176.00	21.40	19.62
0.00	0.00	0.00

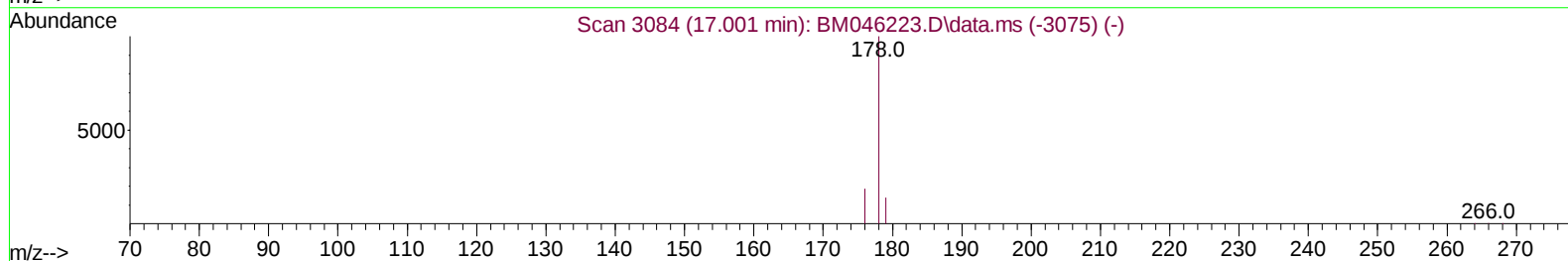
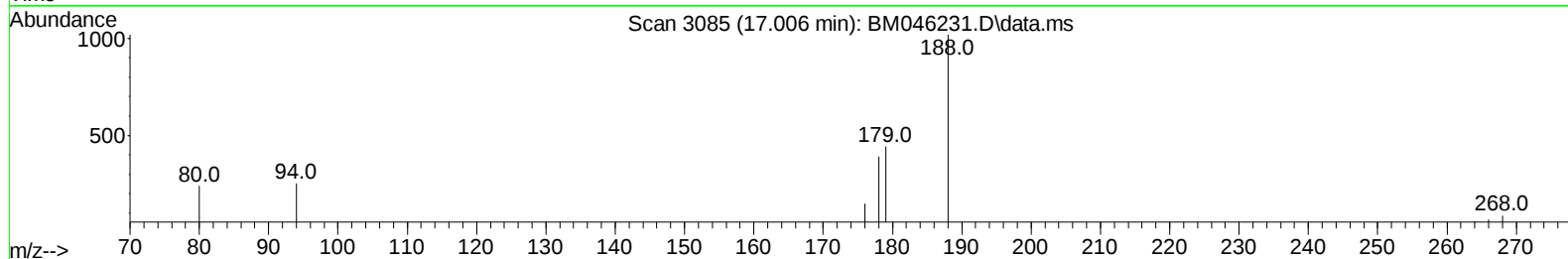
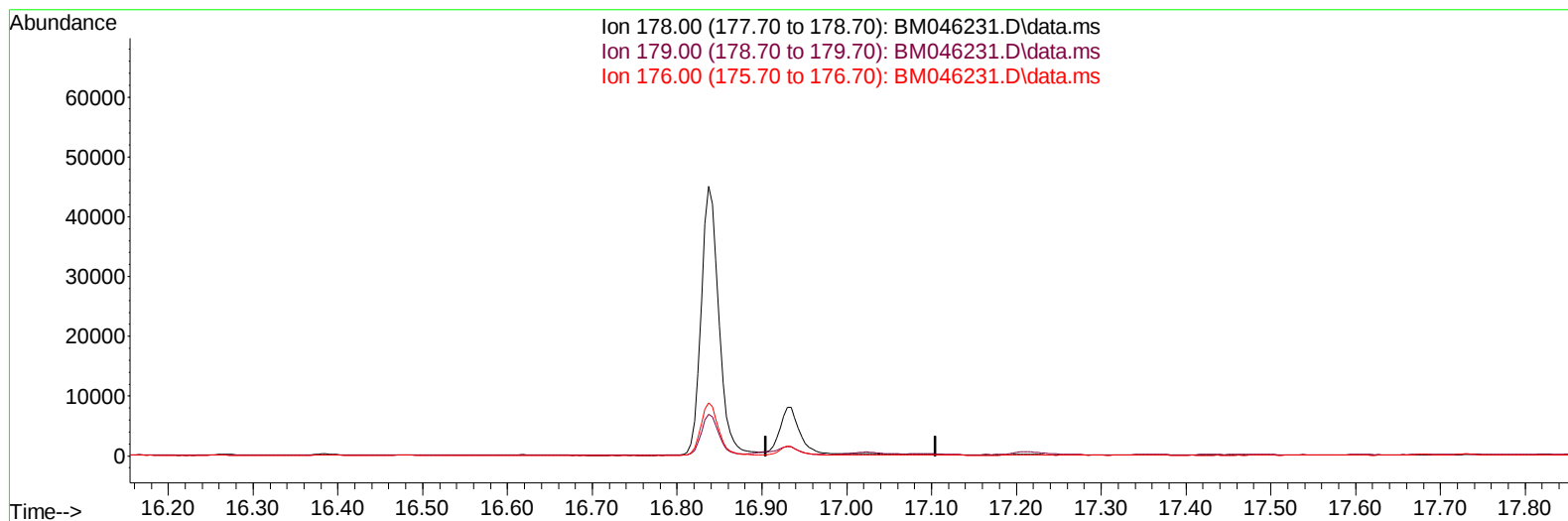
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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
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Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046231.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

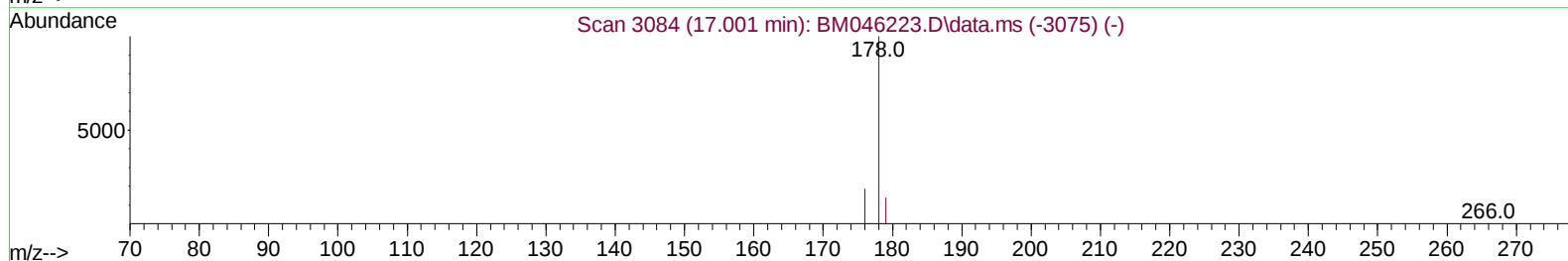
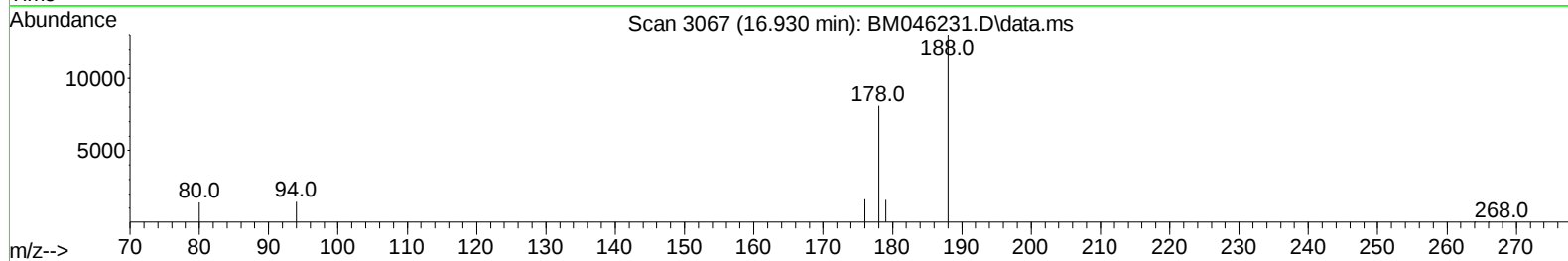
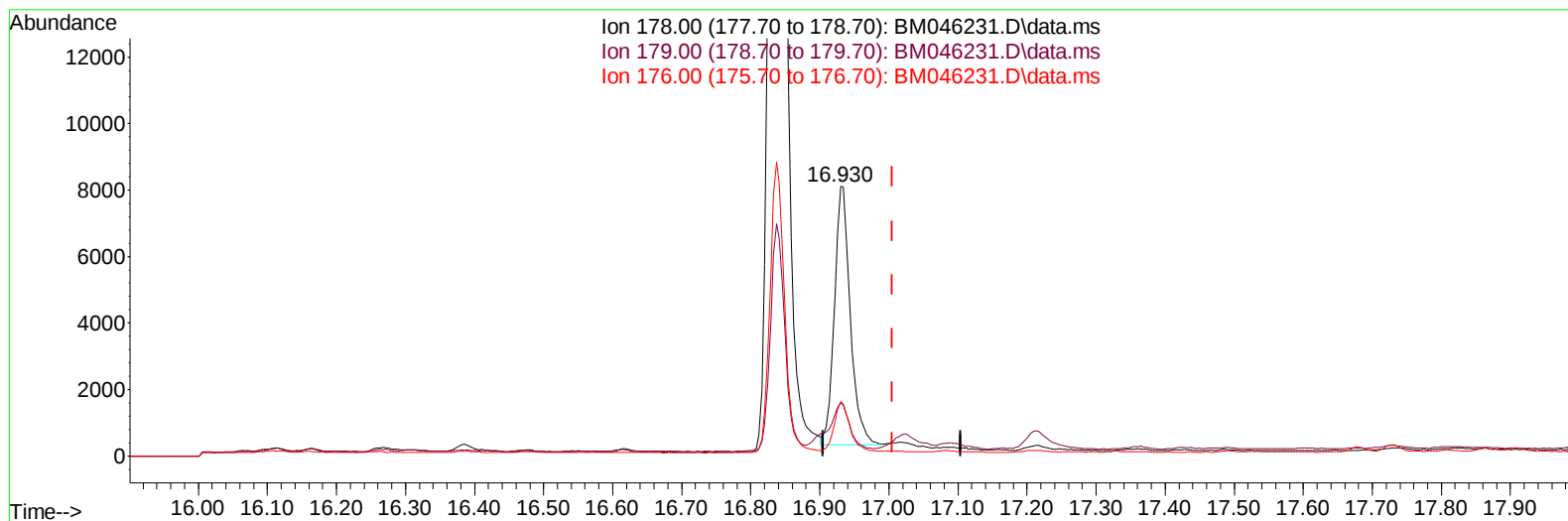
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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: BM046231.D\data.ms

(16) Anthracene

16.930min (-0.075) 0.52 ng/u1 m

response 12426

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	19.75
176.00	21.20	20.11
0.00	0.00	0.00

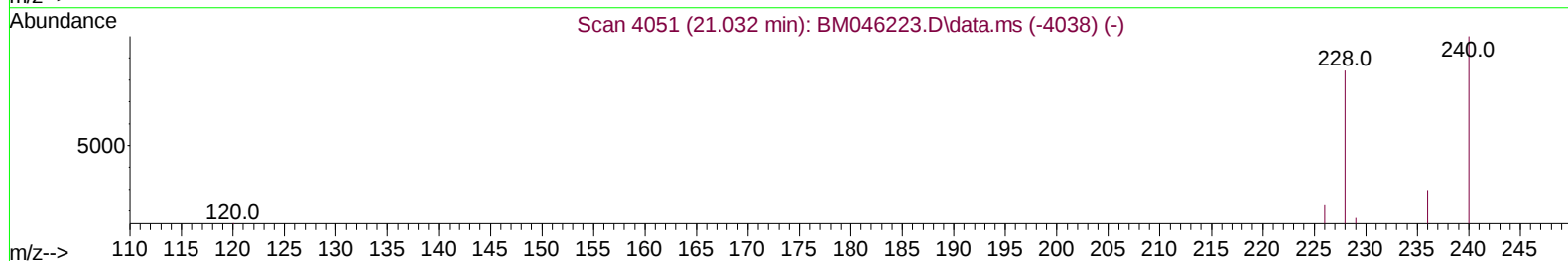
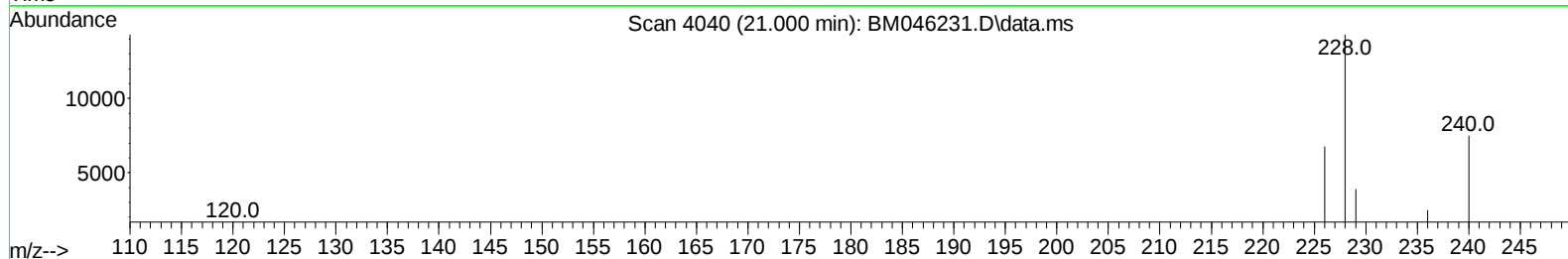
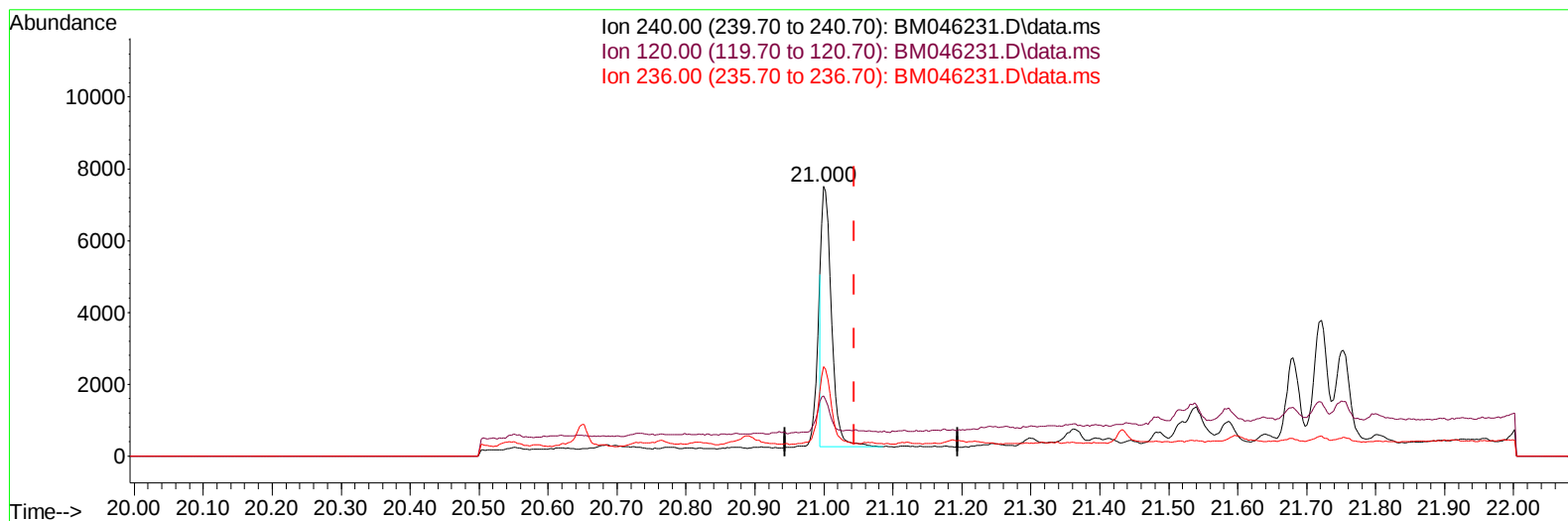
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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
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Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046231.D\data.ms

(17) Chrysene-d12

21.000min (-0.044) 0.40 ng/u1

response 7356

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.26
236.00	33.60	33.17
0.00	0.00	0.00

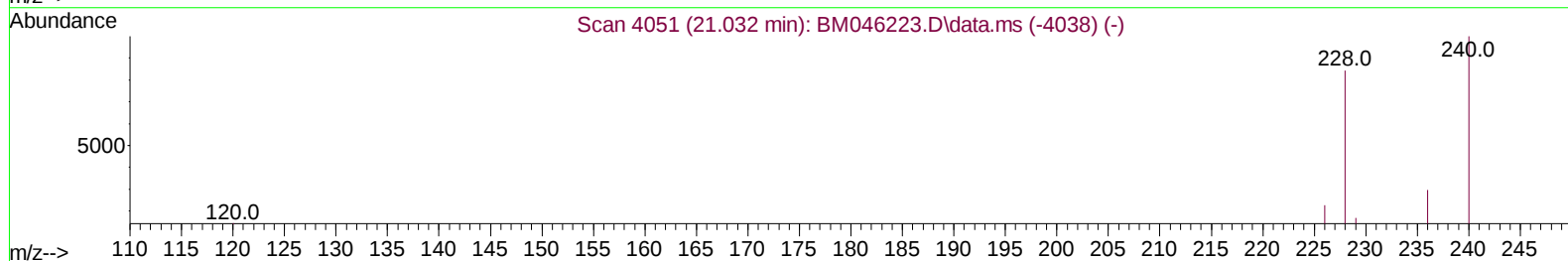
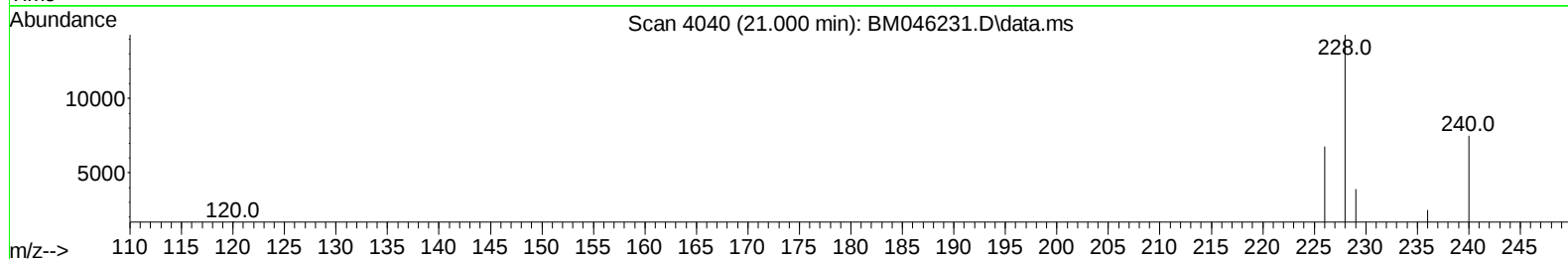
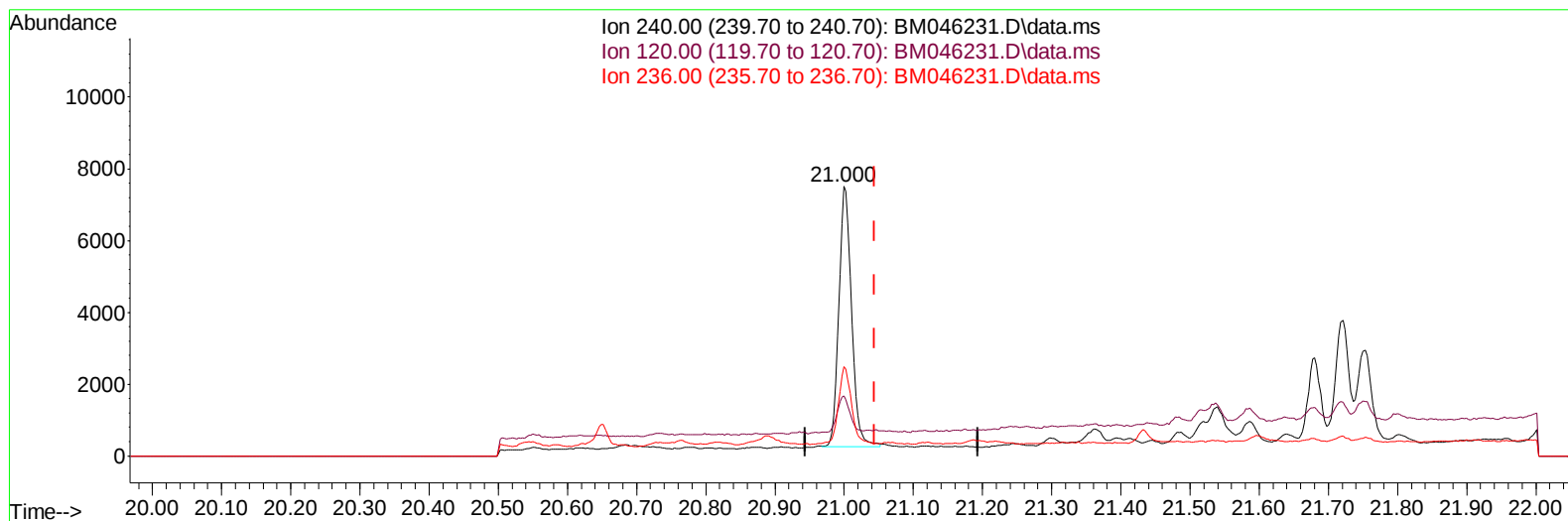
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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: BM046231.D\data.ms

(17) Chrysene-d12

21.000min (-0.044) 0.40 ng/ul m

response 9177

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.26
236.00	33.60	33.17
0.00	0.00	0.00

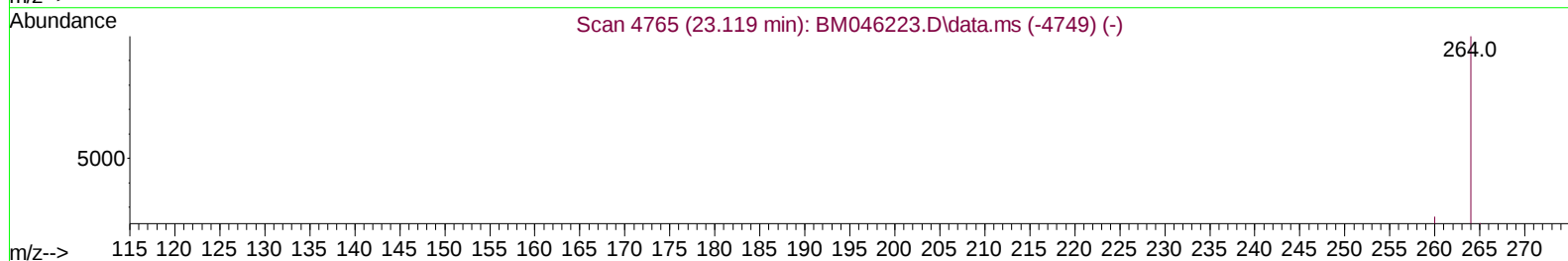
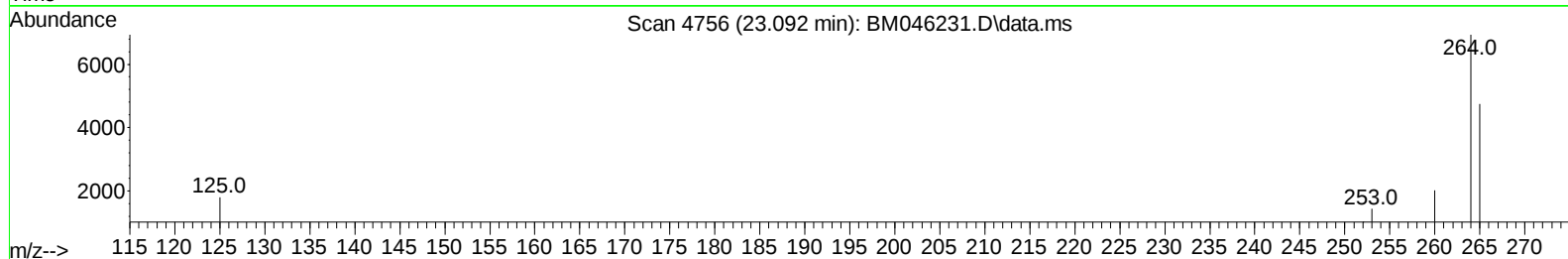
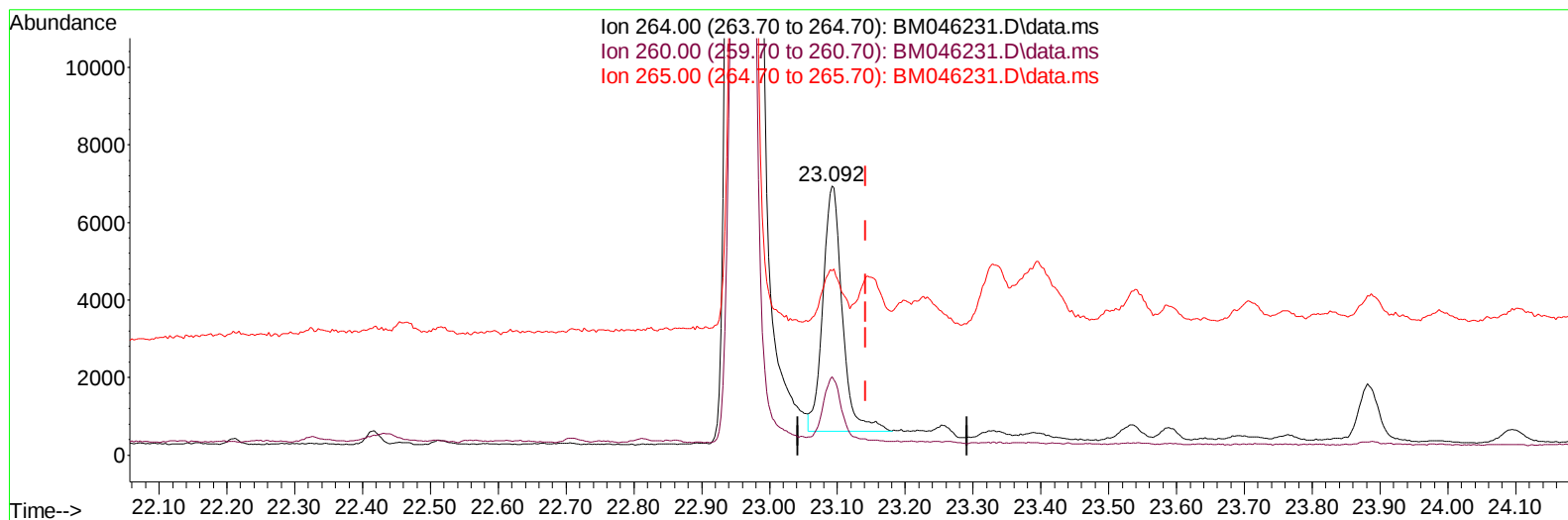
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046231.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.050) 0.40 ng/u1

response 12558

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	29.05
265.00	110.60	68.52#
0.00	0.00	0.00

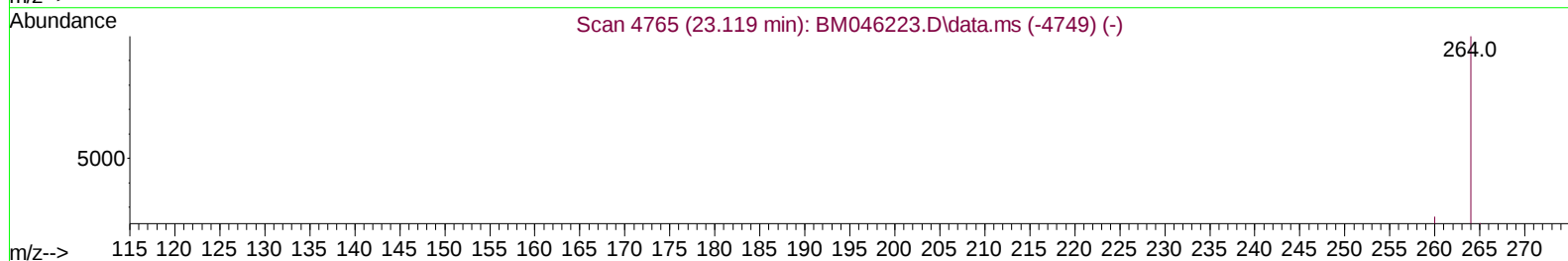
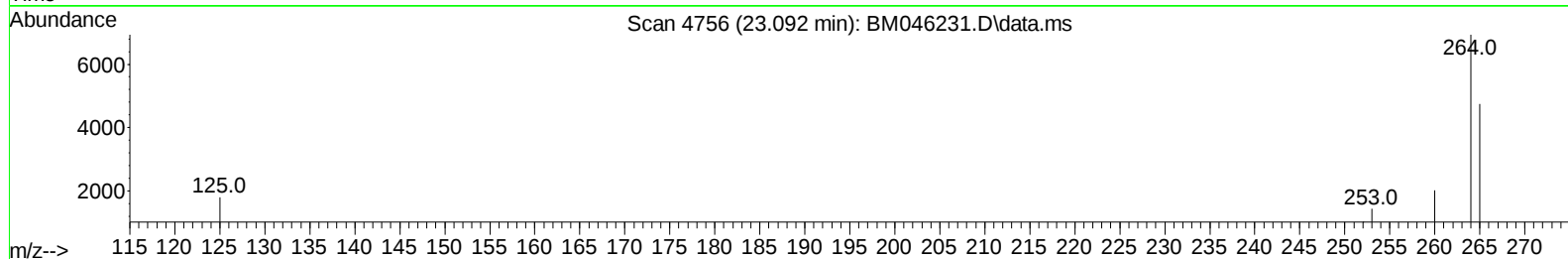
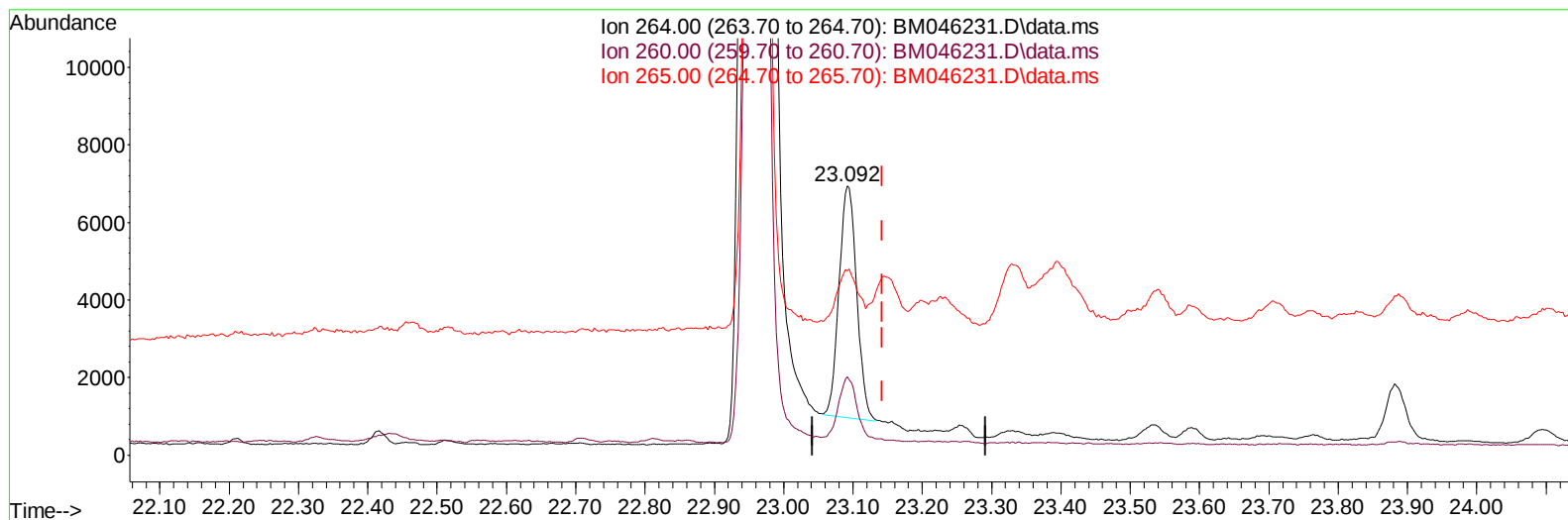
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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
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TIC: BM046231.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.050) 0.40 ng/ul m

response 10560

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	29.05
265.00	110.60	68.52#
0.00	0.00	0.00

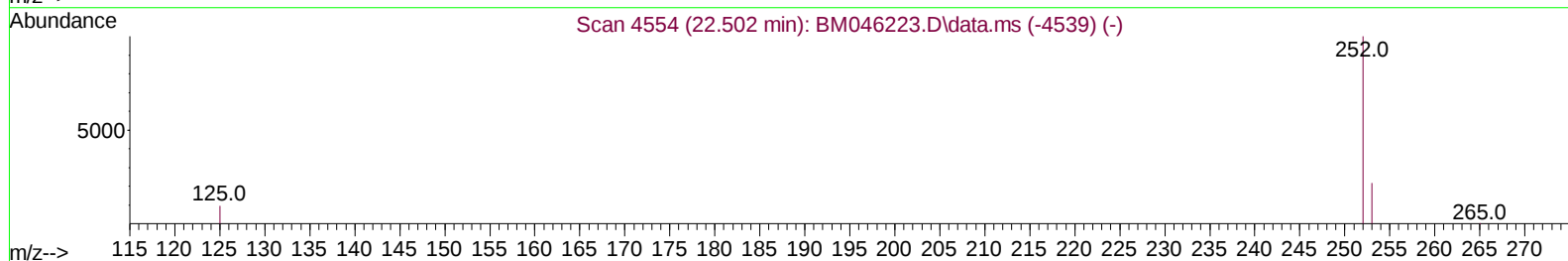
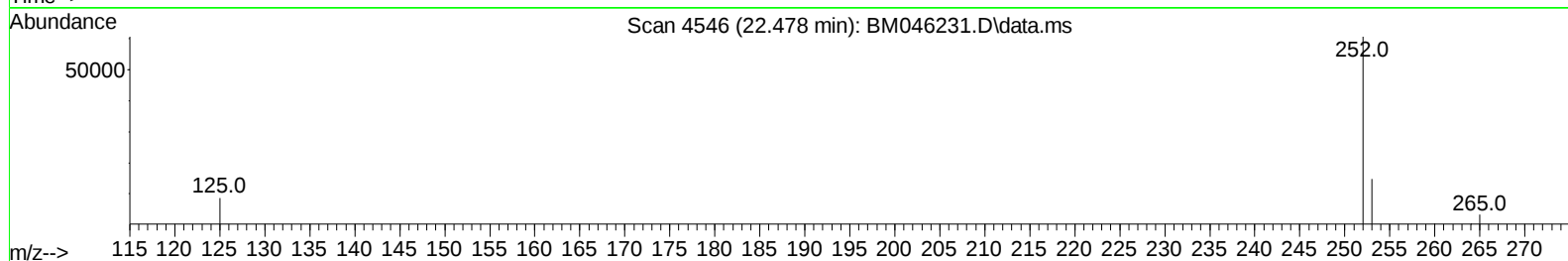
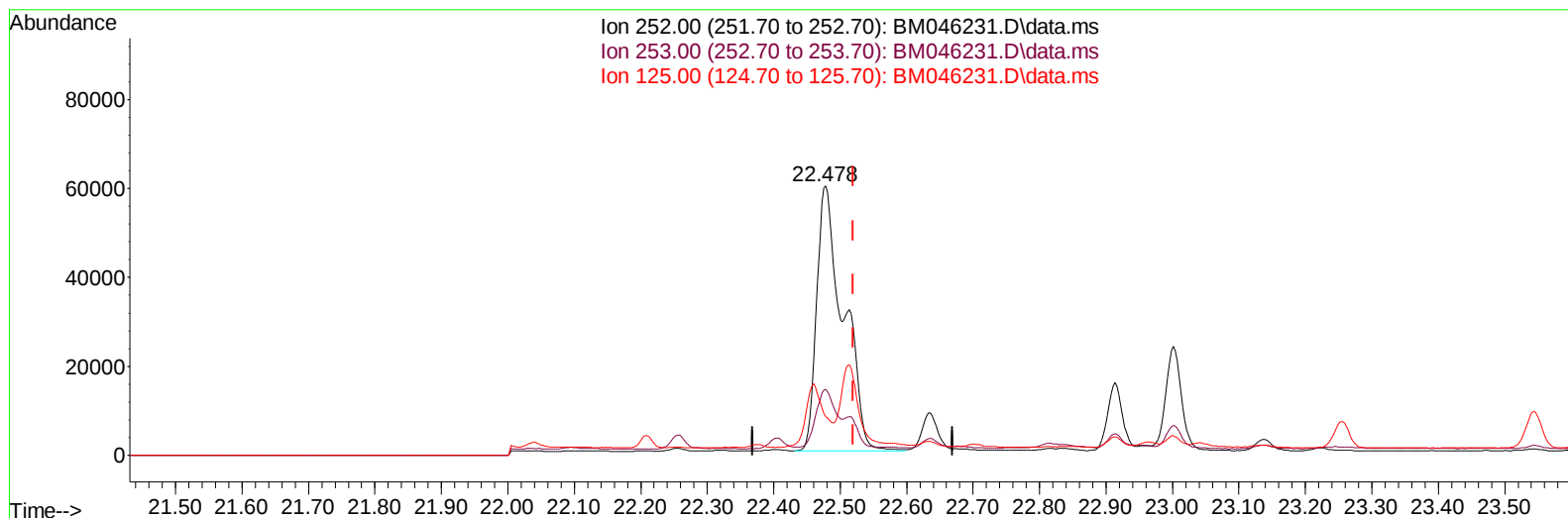
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
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Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

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TIC: BM046231.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.041) 4.34 ng/u1

response 165297

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.42
125.00	20.10	14.30
0.00	0.00	0.00

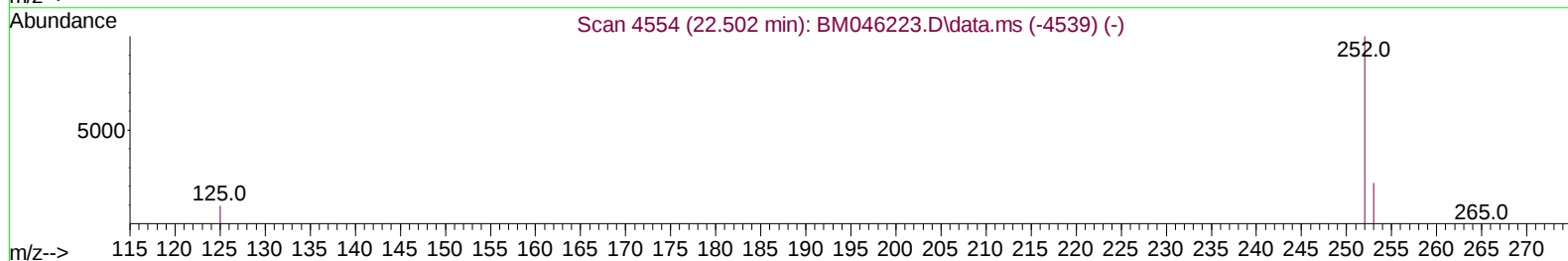
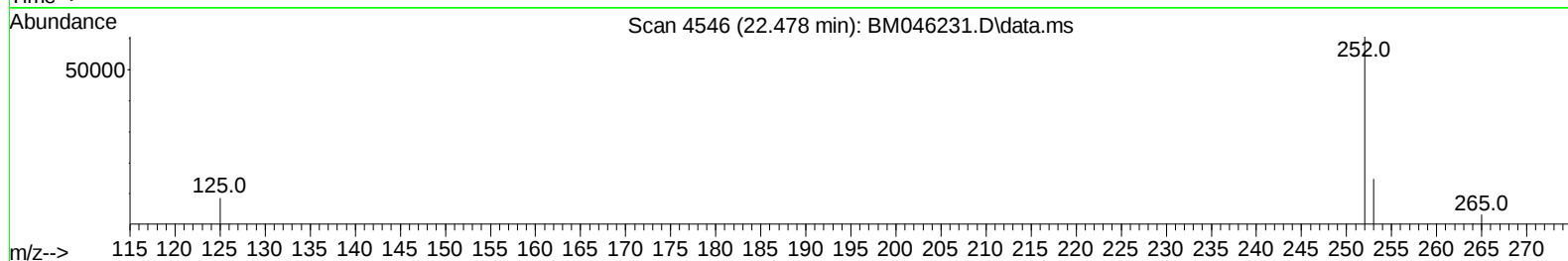
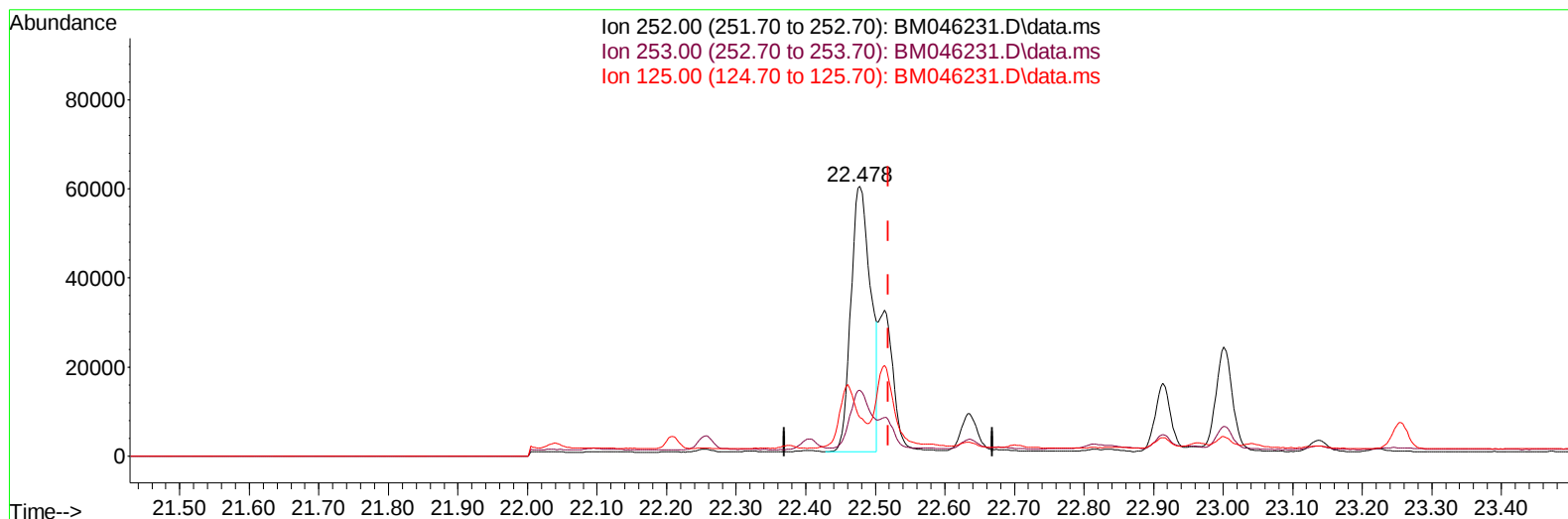
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046231.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.041) 3.09 ng/u1 m

response 117649

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	24.42
125.00	20.10	14.30
0.00	0.00	0.00

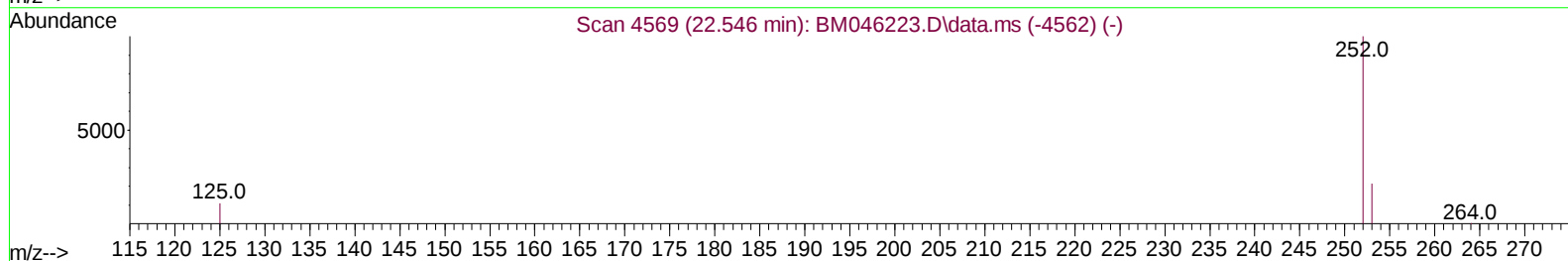
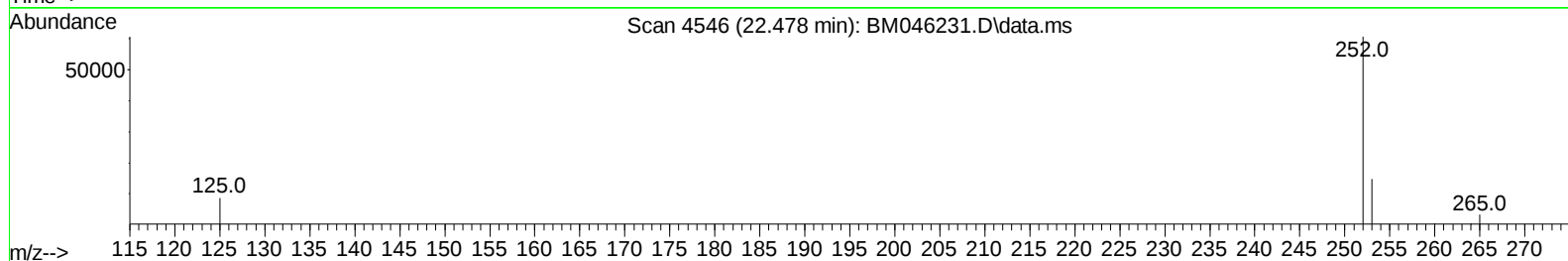
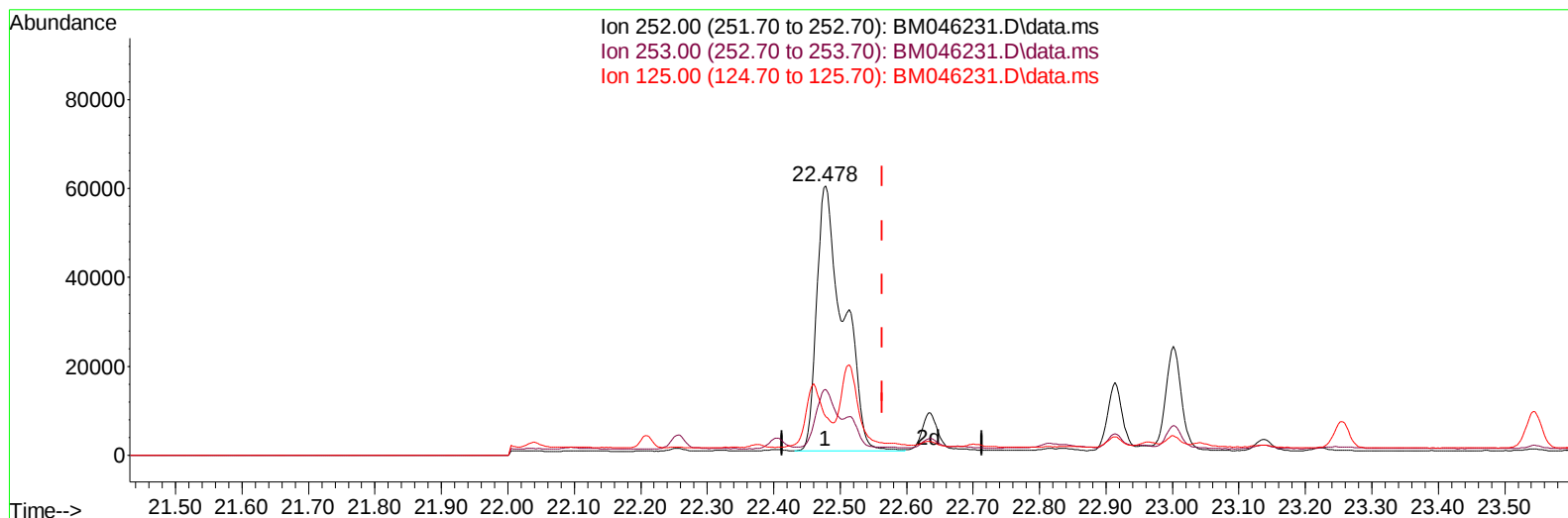
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046231.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.085) 3.65 ng/u1

response 165297

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.42#
125.00	20.80	14.30#
0.00	0.00	0.00

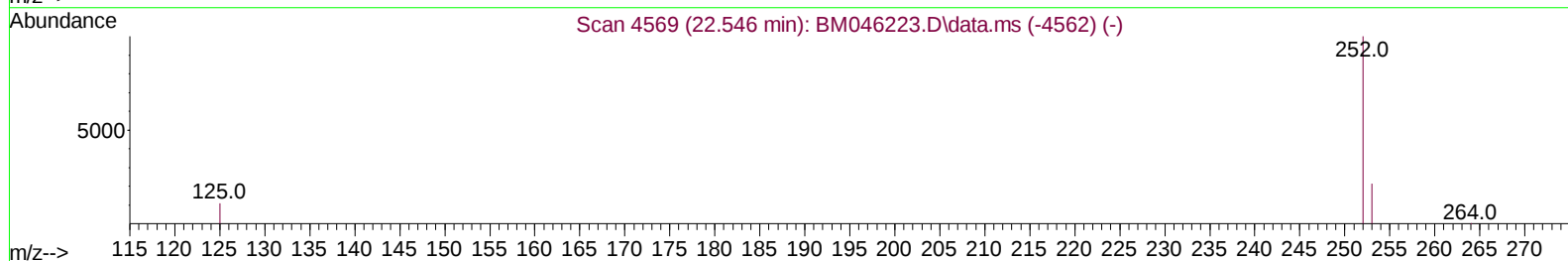
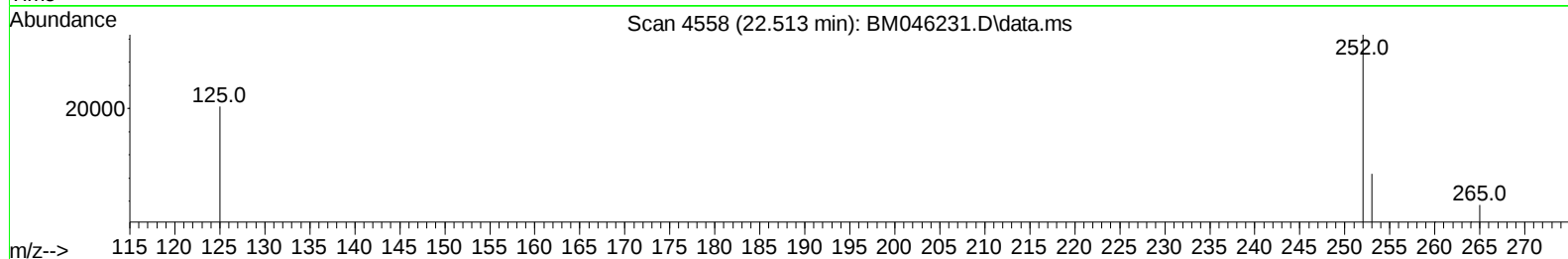
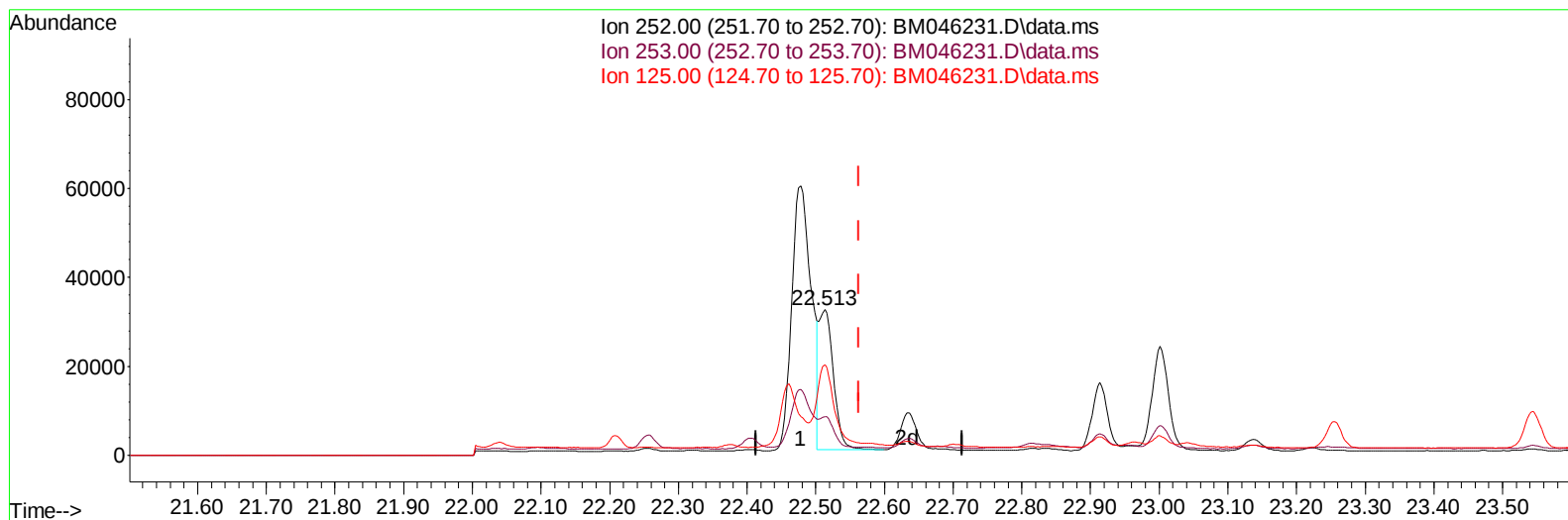
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046231.D
Acq On : 23 Jun 2024 12:37
Operator : MA/JU
Sample : P2776-10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CA5

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:24 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: BM046231.D\data.ms

(25) Benzo(k)fluoranthene

22.513min (-0.050) 1.03 ng/u1 m

response 46667

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	26.62#
125.00	20.80	62.08#
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	7.404	152	2976	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.172	136	9306	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.053	164	5286	0.400	ng/ul	-0.06
13) Phenanthrene-d10	16.799	188	11439m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.000	240	9177m	0.400	ng/ul	-0.04
23) Perylene-d12	23.092	264	10560m	0.400	ng/ul	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	12480	3.057	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.789	152	3072	0.246	ng/ul	-0.08
18) Fluoranthene-d10	18.835	212	6872	0.250	ng/ul	-0.05
Target Compounds						
					Qvalue	
5) Naphthalene	10.222	128	2150	0.083	ng/ul#	91
7) 2-Methylnaphthalene	11.866	142	955	0.065	ng/ul	98
8) 1-Methylnaphthalene	12.080	142	673	0.042	ng/ul	98
10) Acenaphthylene	13.771	152	7515	0.300	ng/ul	99
11) Acenaphthene	14.113	153	2022	0.112	ng/ul	97
12) Fluorene	15.108	166	2699	0.139	ng/ul#	98
14) Pentachlorophenol	16.487	266	121	0.035	ng/ul	93
15) Phenanthrene	16.837	178	65419m	2.036	ng/ul	
16) Anthracene	16.930	178	12426m	0.519	ng/ul	
19) Fluoranthene	18.863	202	165085	4.155	ng/ul	97
20) Pyrene	19.225	202	111541	2.596	ng/ul	97
21) Benzo(a)anthracene	20.985	228	67503	1.904	ng/ul	98
22) Chrysene	21.038	228	82645	1.827	ng/ul	99
24) Benzo(b)fluoranthene	22.478	252	117649m	3.092	ng/ul	
25) Benzo(k)fluoranthene	22.513	252	46667m	1.032	ng/ul	
26) Benzo(a)pyrene	23.001	252	39252	1.113	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.135	276	45975	0.797	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.135	278	14790	0.344	ng/ul#	54
29) Benzo(g,h,i)perylene	25.755	276	7738	0.156	ng/ul#	77

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

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