

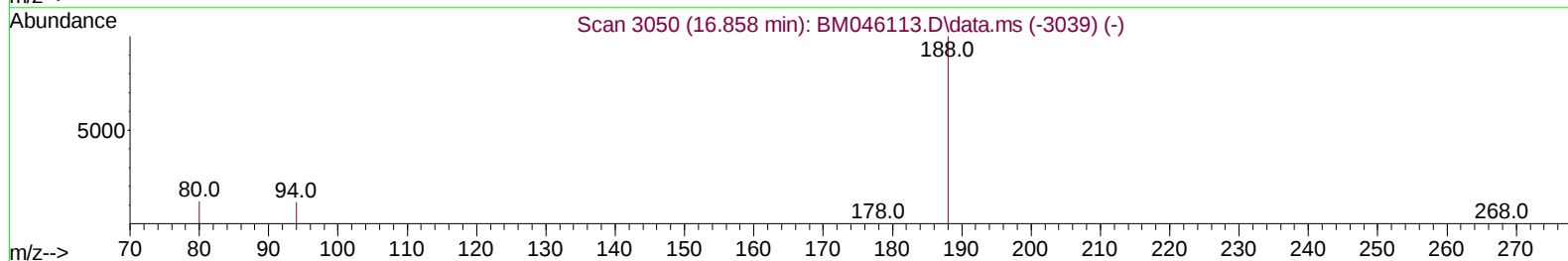
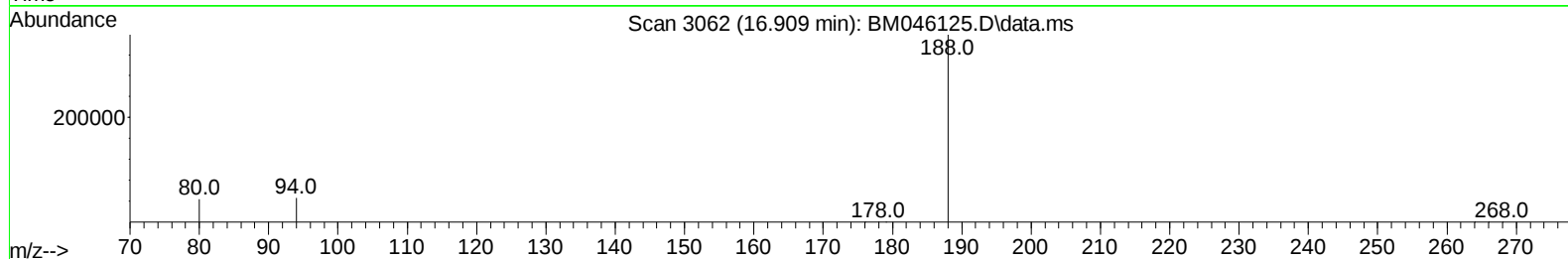
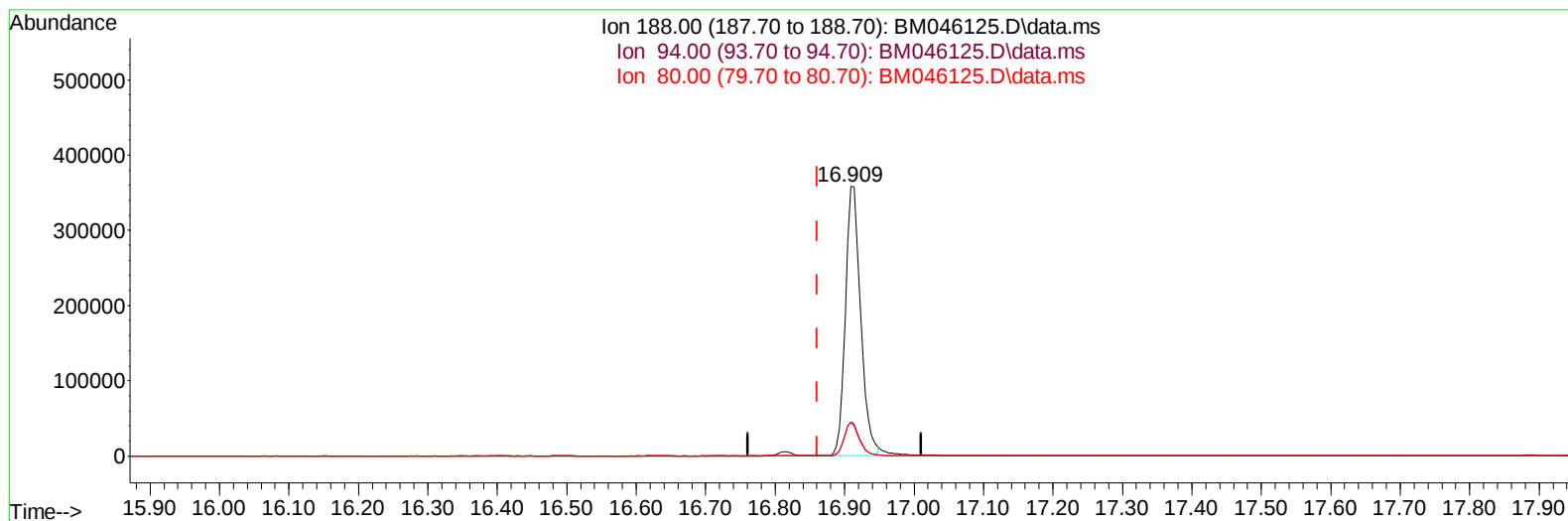
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046125.D\data.ms

(13) Phenanthrene-d10 (I)

16.909min (+ 0.048) 0.40 ng/u1

response 543597

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.75
80.00	15.20	12.35
0.00	0.00	0.00

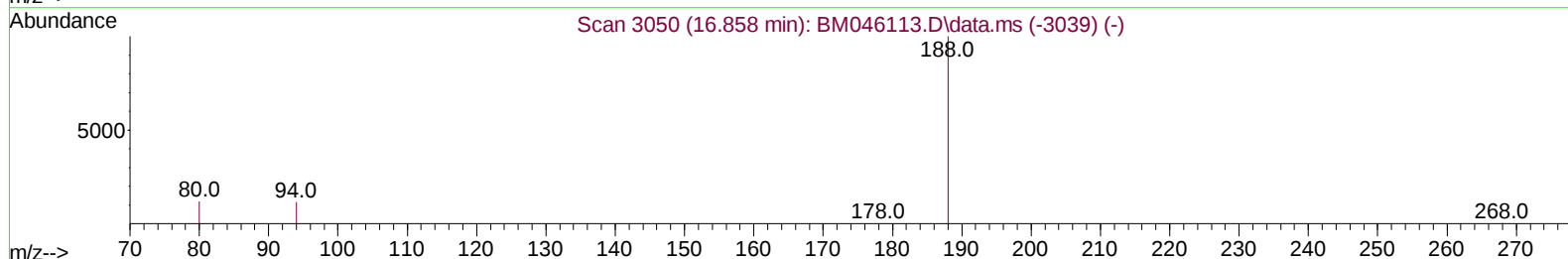
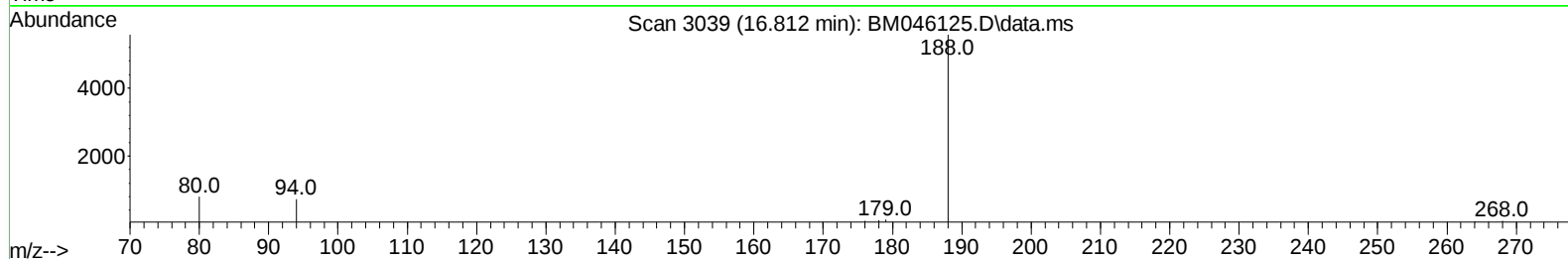
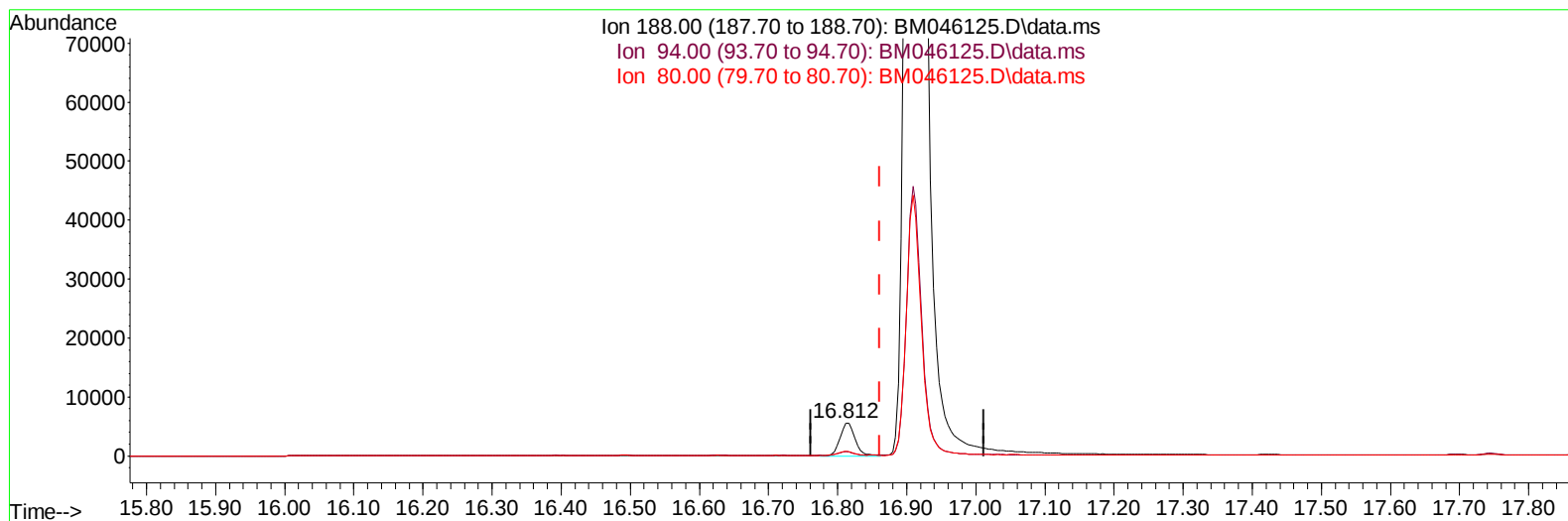
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046125.D\data.ms

(13) Phenanthrene-d10 (I)

16.812min (-0.049) 0.40 ng/ul m

response 8538

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.91
80.00	15.20	14.29
0.00	0.00	0.00

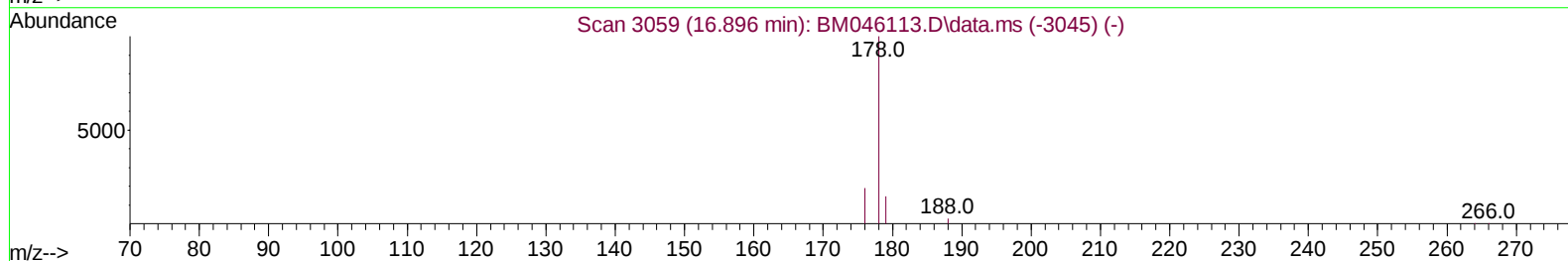
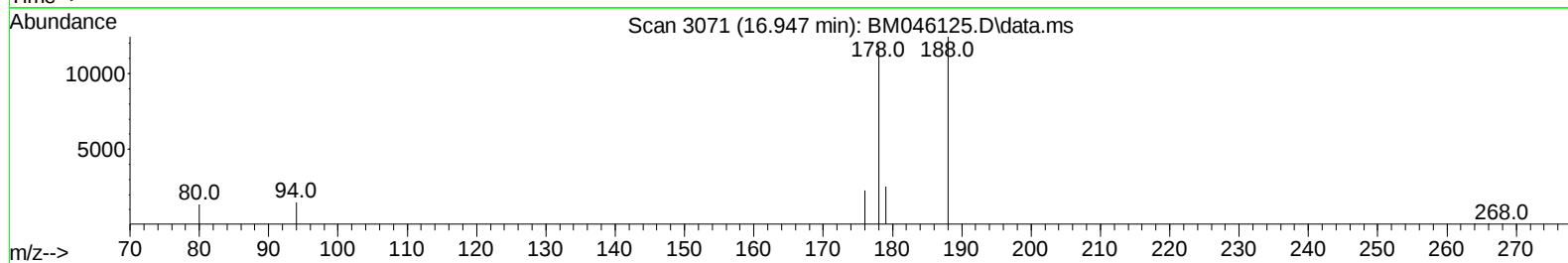
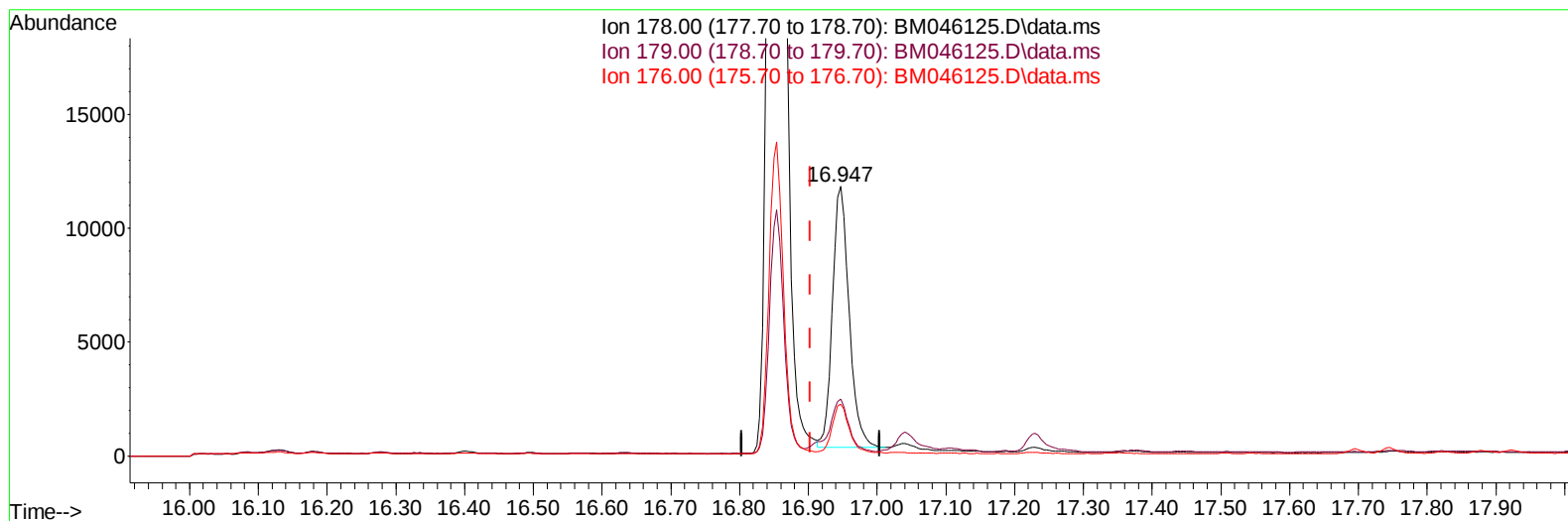
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

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TIC: BM046125.D\data.ms

(15) Phenanthrene

16.947min (+ 0.044) 0.80 ng/u1

response 19217

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	21.21
176.00	21.40	19.17
0.00	0.00	0.00

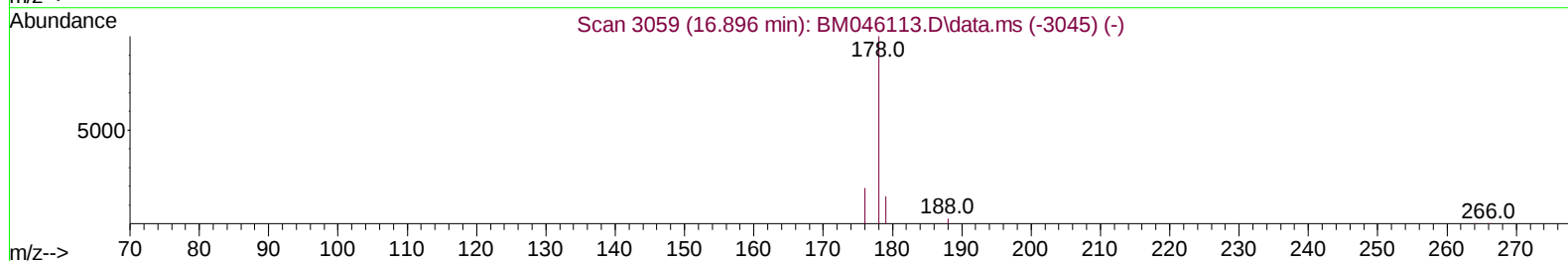
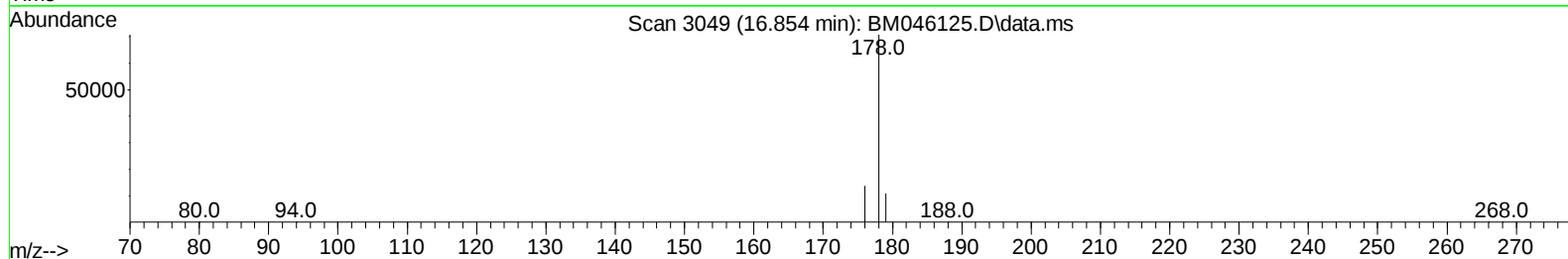
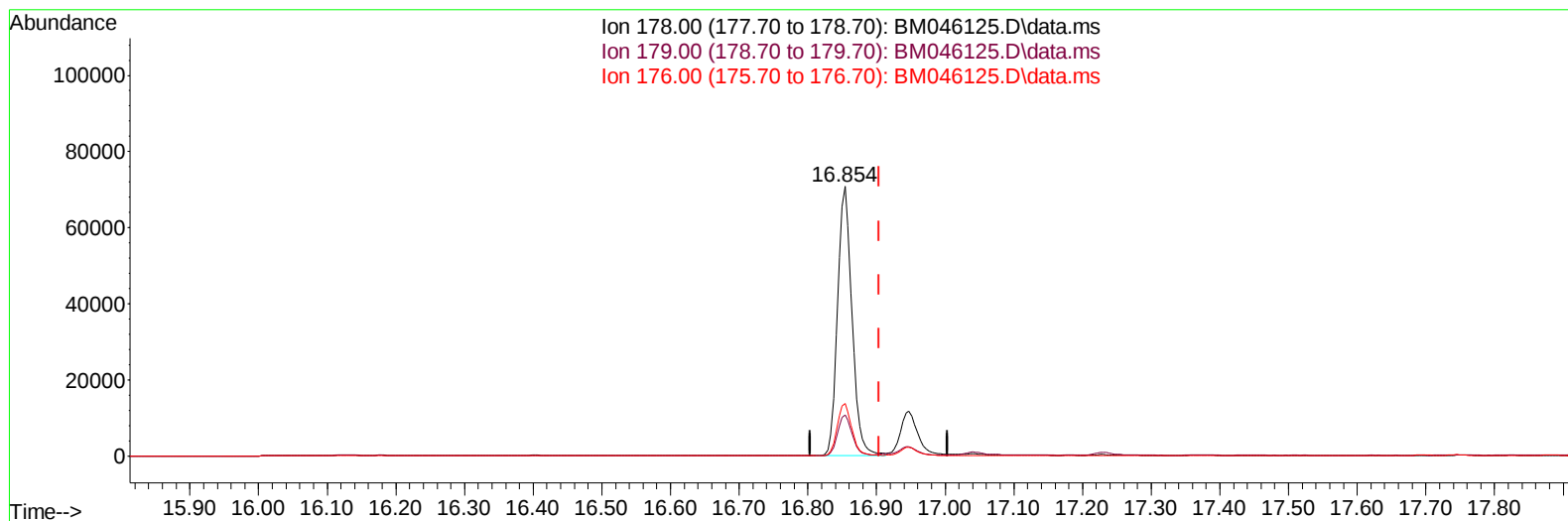
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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QLast Update : Tue Jun 18 13:58:29 2024
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TIC: BM046125.D\data.ms

(15) Phenanthrene

16.854min (-0.049) 4.31 ng/u1 m

response 103377

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.27
176.00	21.40	19.50
0.00	0.00	0.00

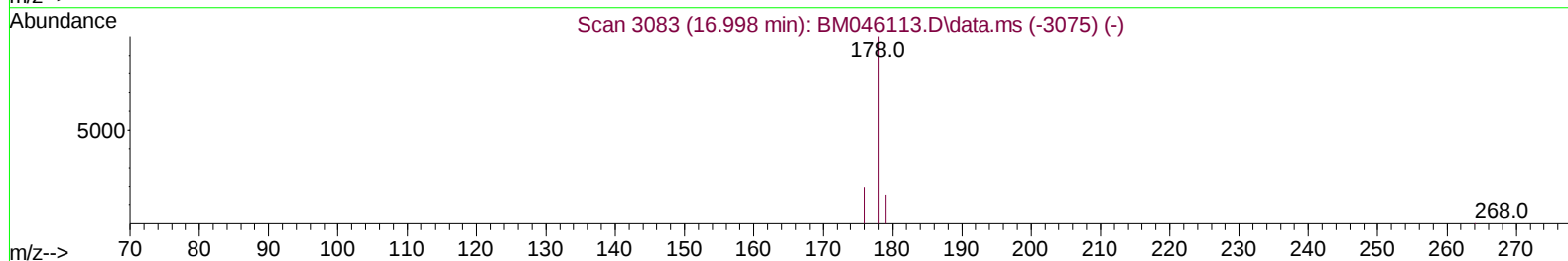
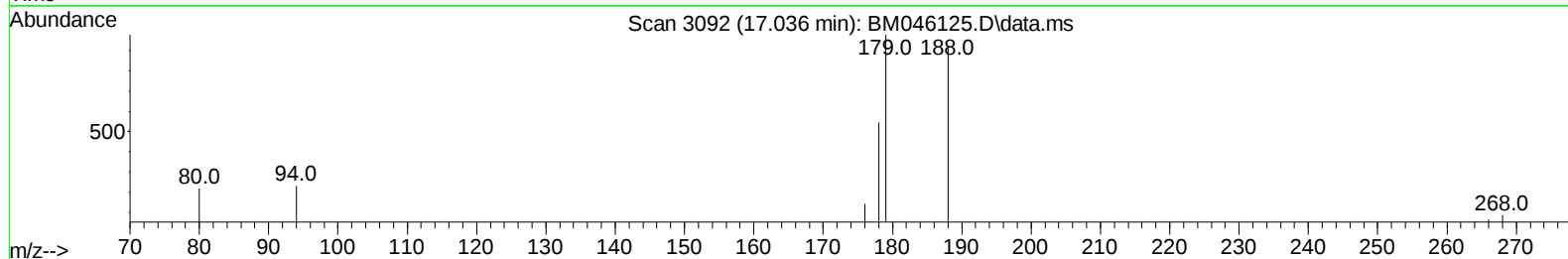
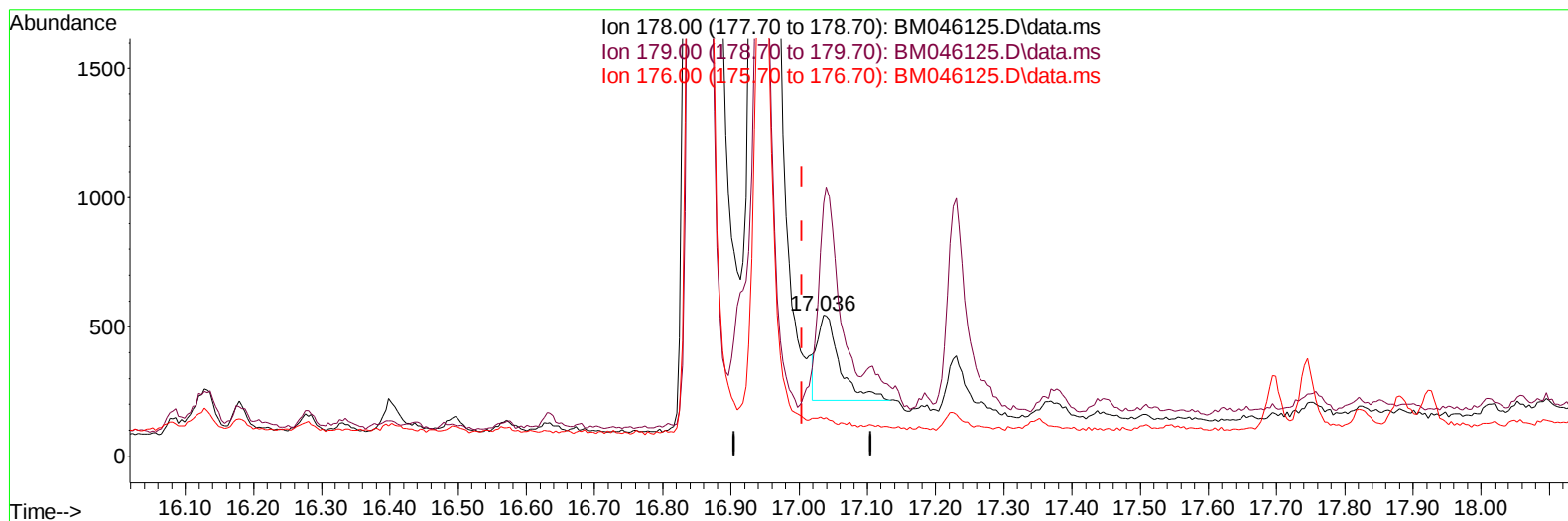
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 2024
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TIC: BM046125.D\data.ms

(16) Anthracene

17.036min (+ 0.031) 0.04 ng/u1

response 767

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	179.45#
176.00	21.20	26.42#
0.00	0.00	0.00

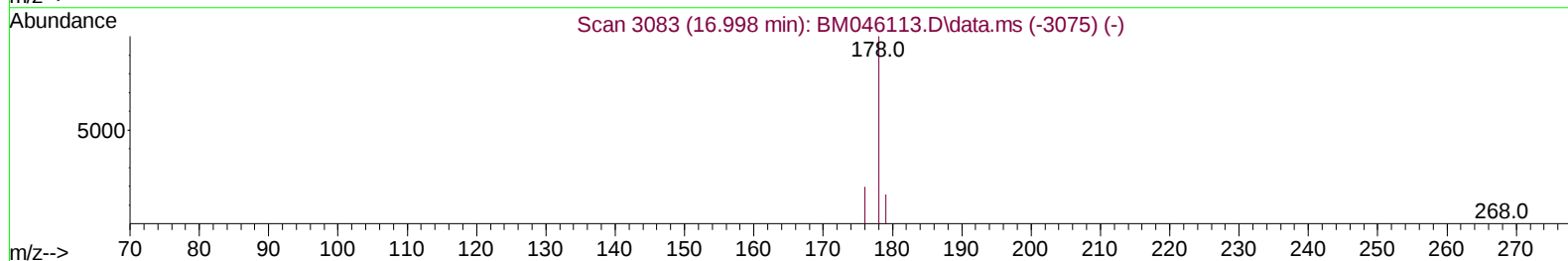
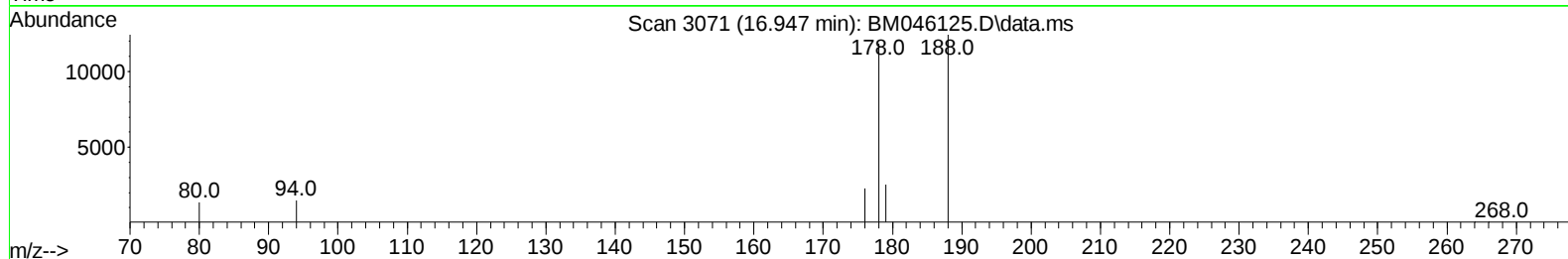
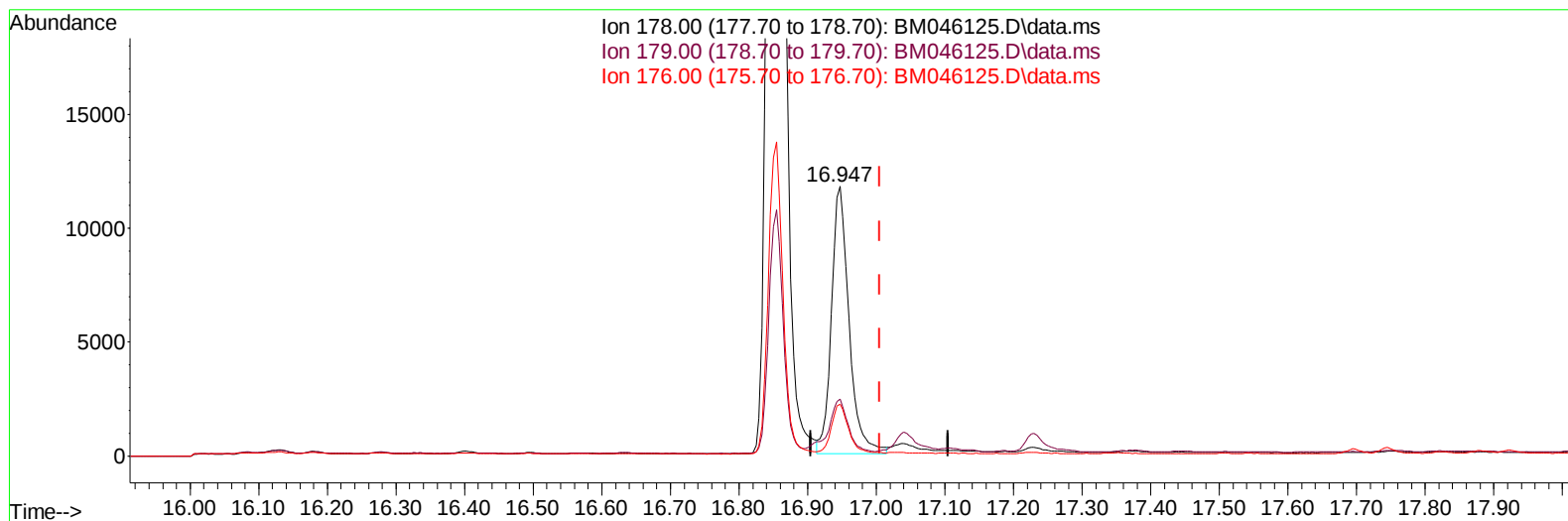
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 2024
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QLast Update : Tue Jun 18 13:58:29 2024
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046125.D\data.ms

(16) Anthracene

16.947min (-0.058) 1.17 ng/u1 m

response 20854

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	21.21
176.00	21.20	19.17
0.00	0.00	0.00

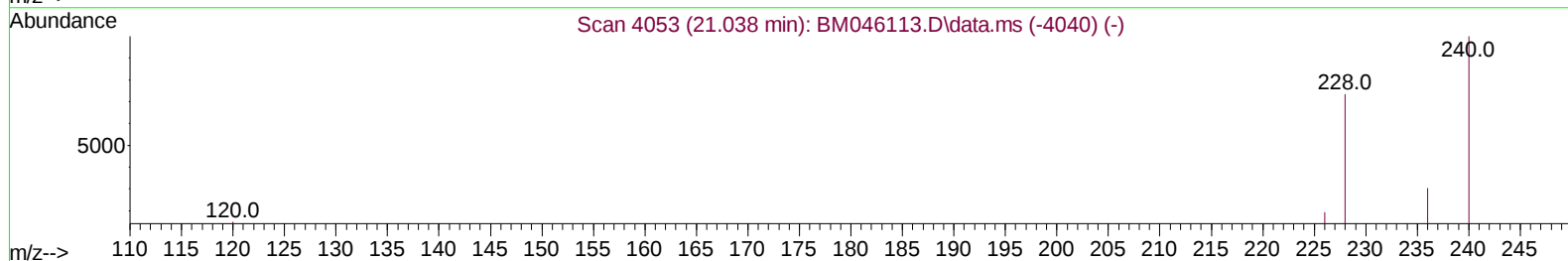
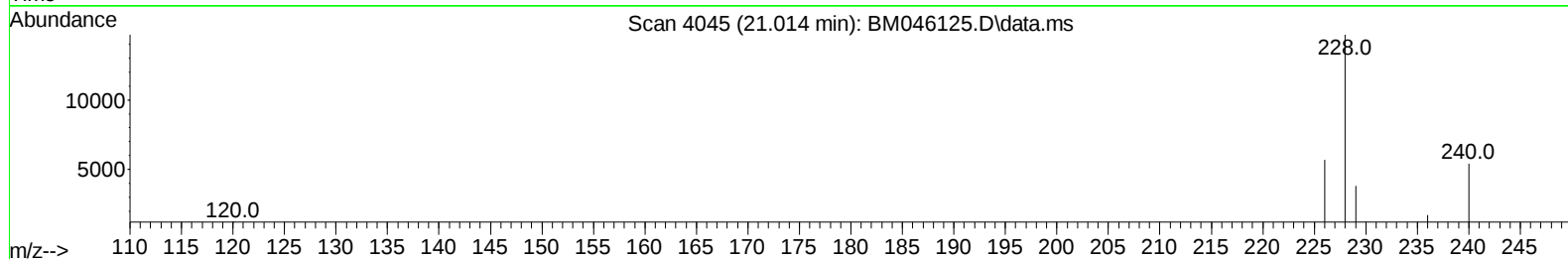
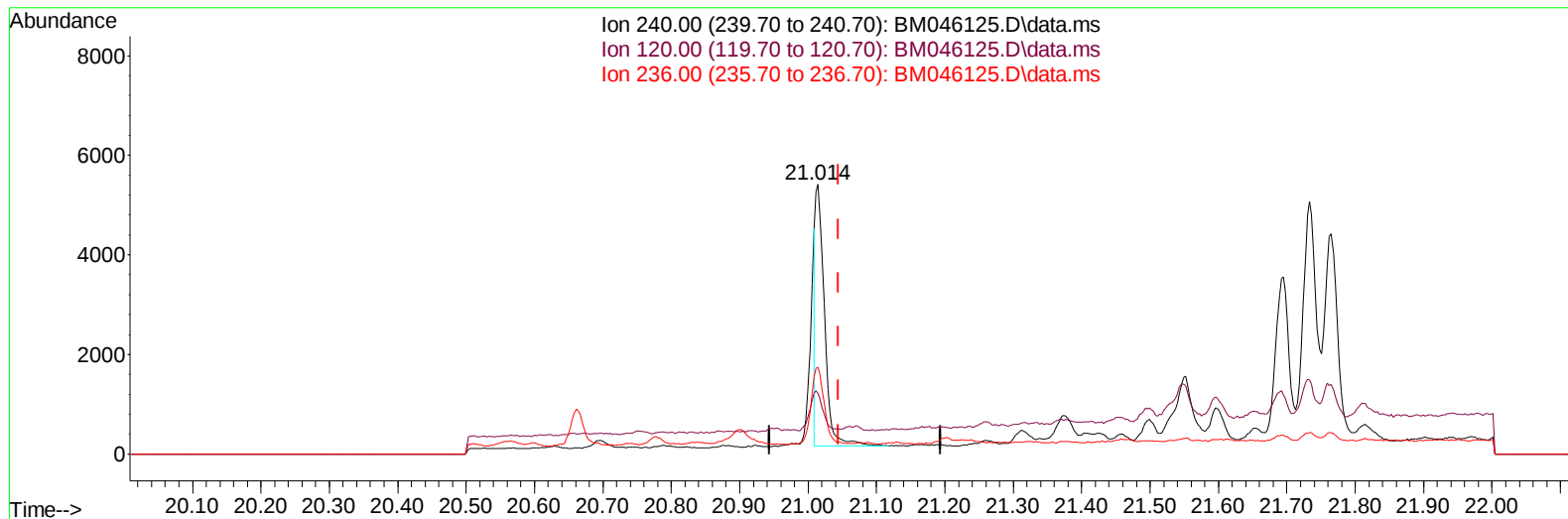
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

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TIC: BM046125.D\data.ms

(17) Chrysene-d12

21.014min (-0.030) 0.40 ng/u1

response 4923

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.59
236.00	33.60	32.13
0.00	0.00	0.00

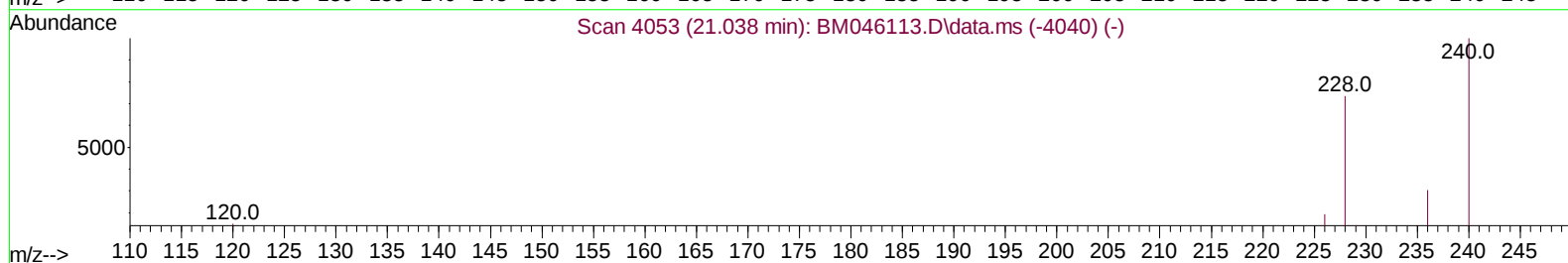
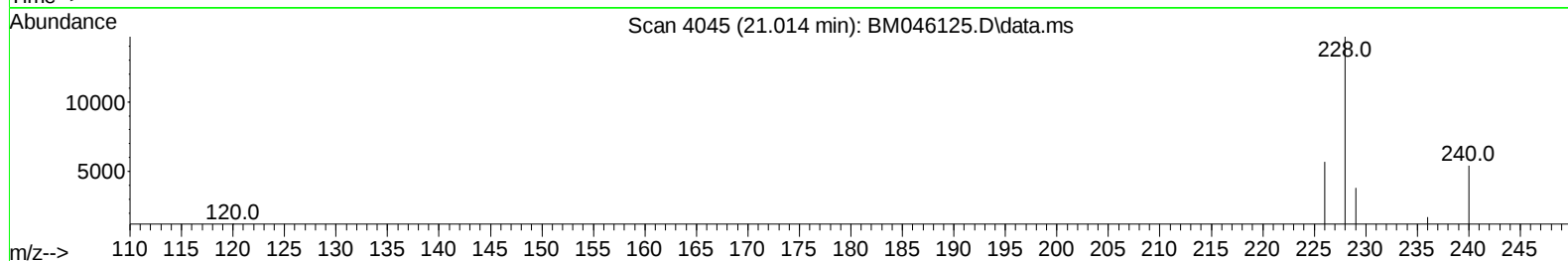
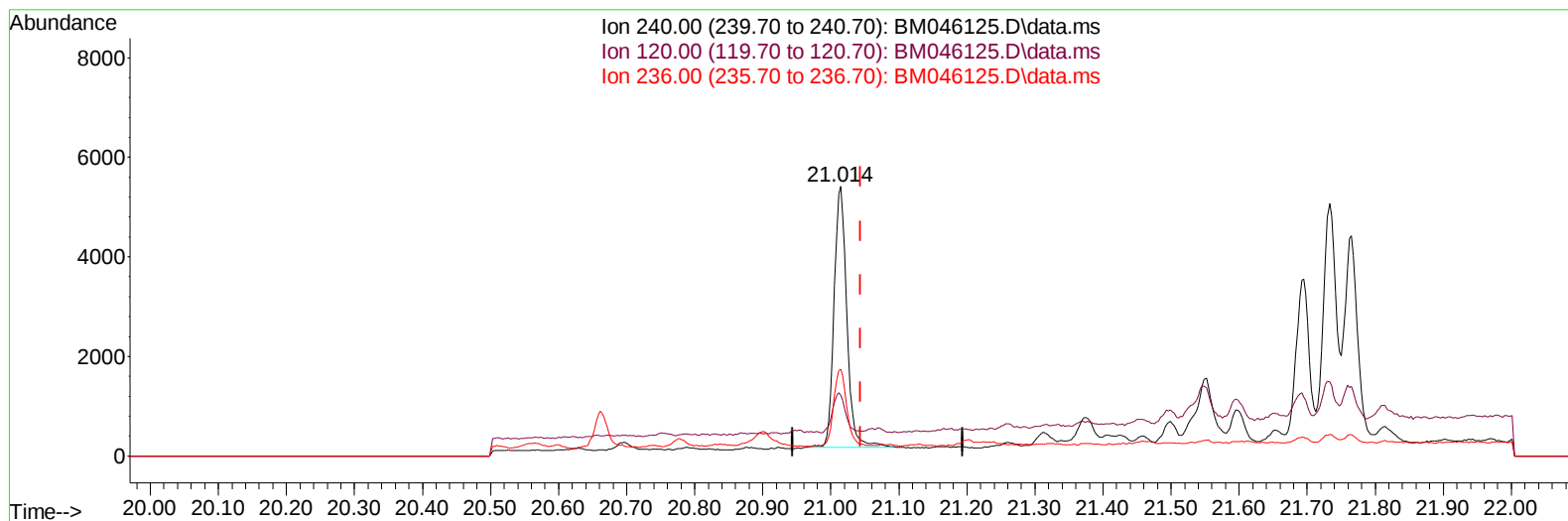
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 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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TIC: BM046125.D\data.ms

(17) Chrysene-d12

21.014min (-0.030) 0.40 ng/ul m

response 6824

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	22.59
236.00	33.60	32.13
0.00	0.00	0.00

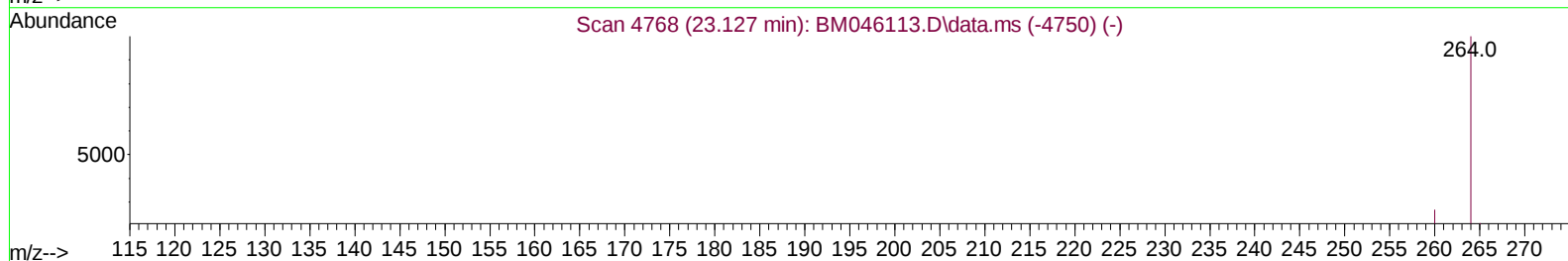
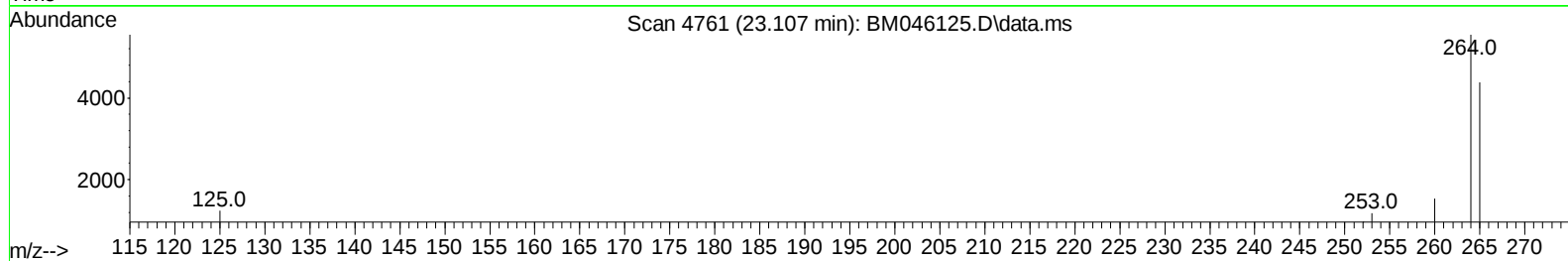
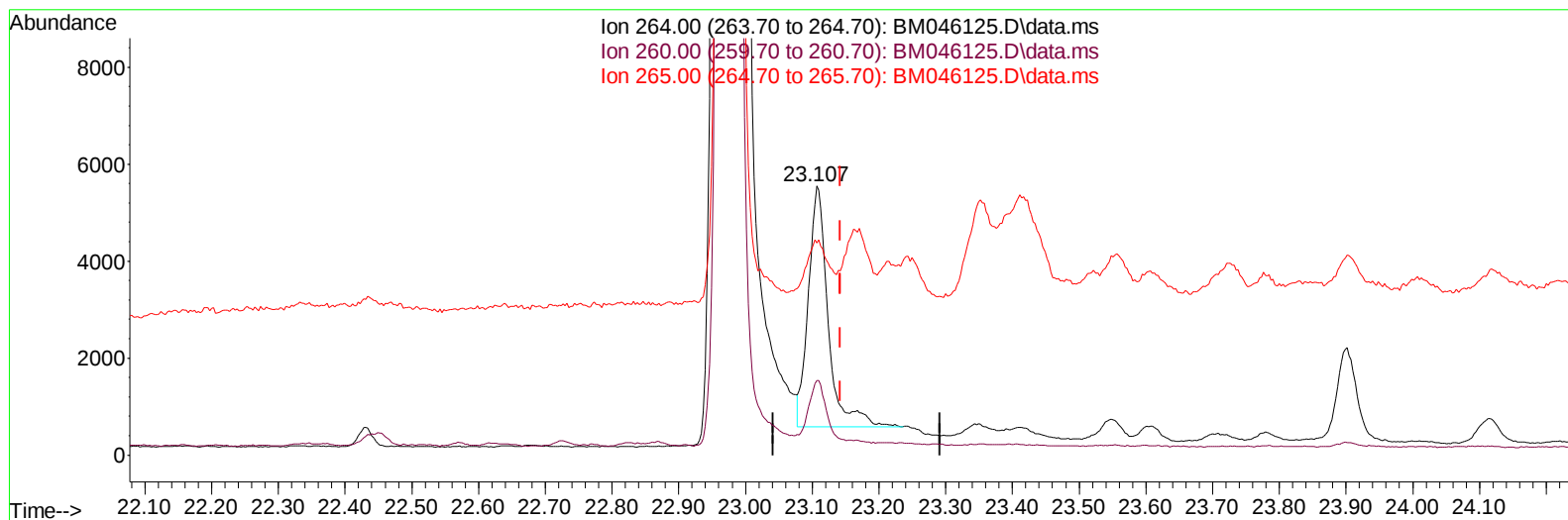
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

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TIC: BM046125.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1

response 10261

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.73
265.00	110.60	78.89#
0.00	0.00	0.00

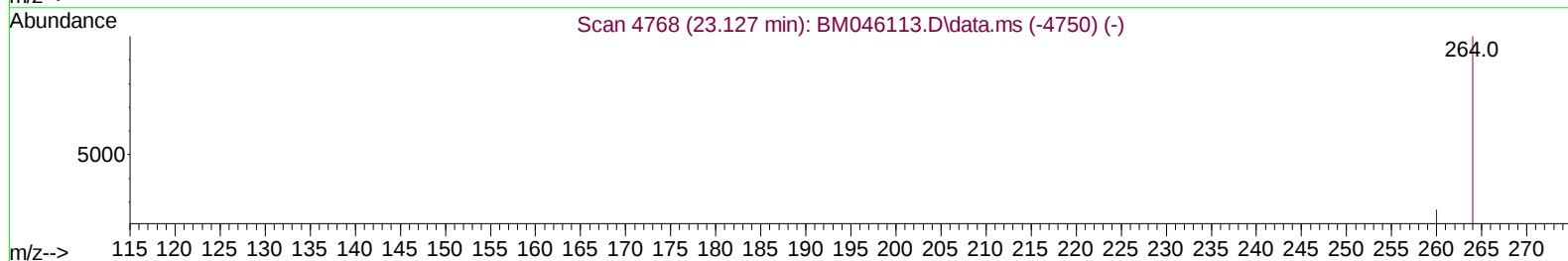
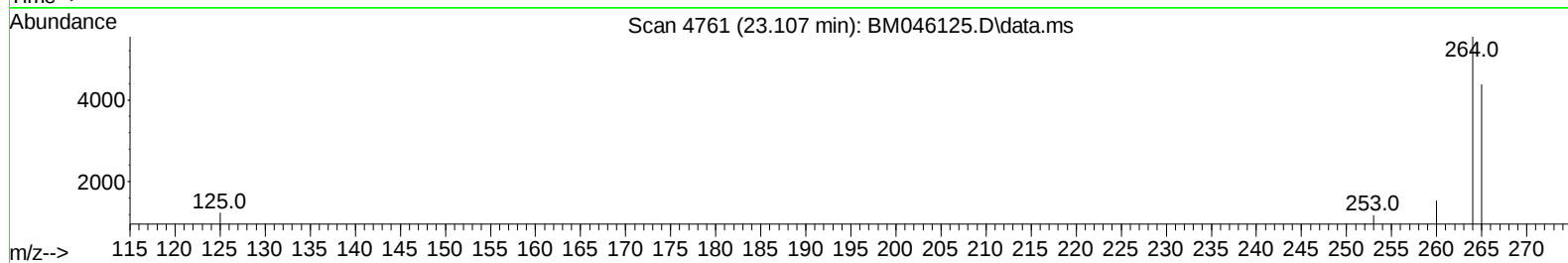
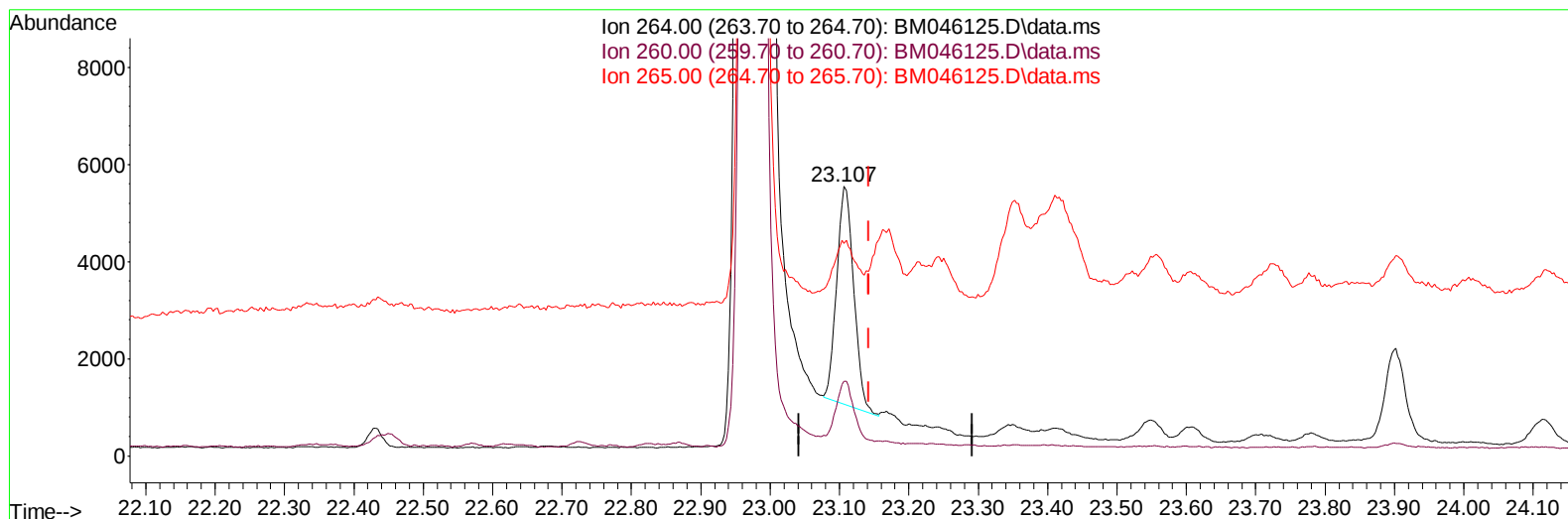
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046125.D\data.ms

(23) Perylene-d12 (I)

23.107min (-0.035) 0.40 ng/u1 m

response 7588

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.73
265.00	110.60	78.89#
0.00	0.00	0.00

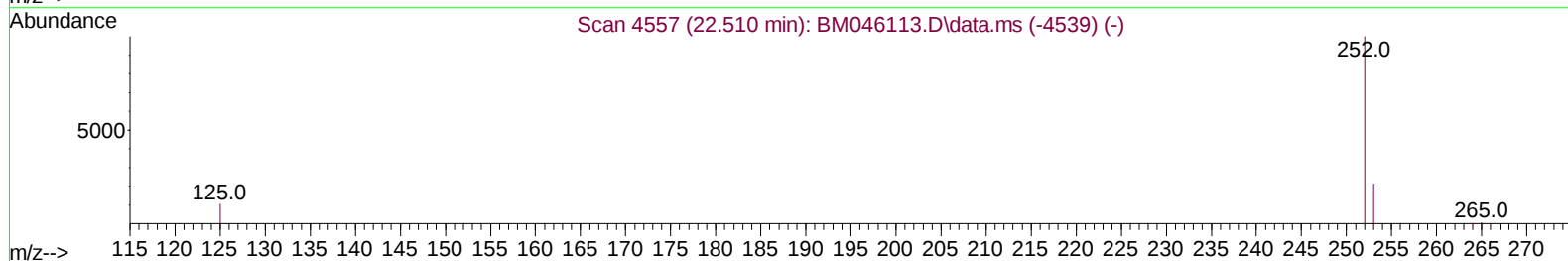
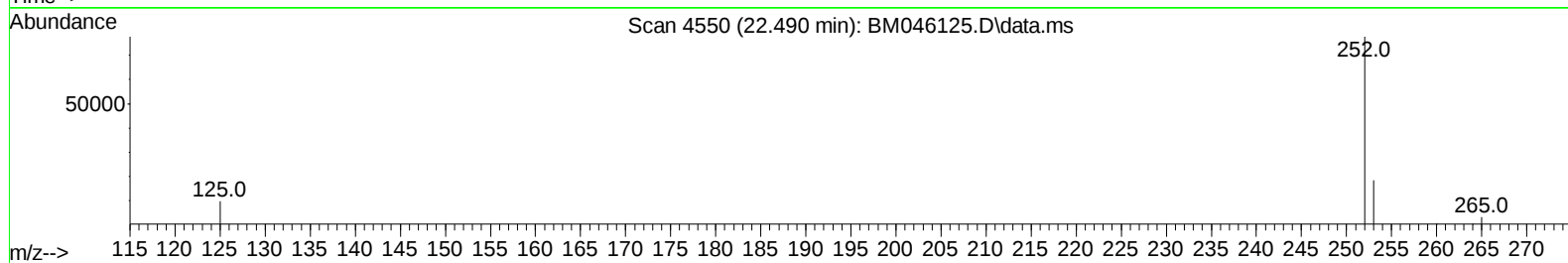
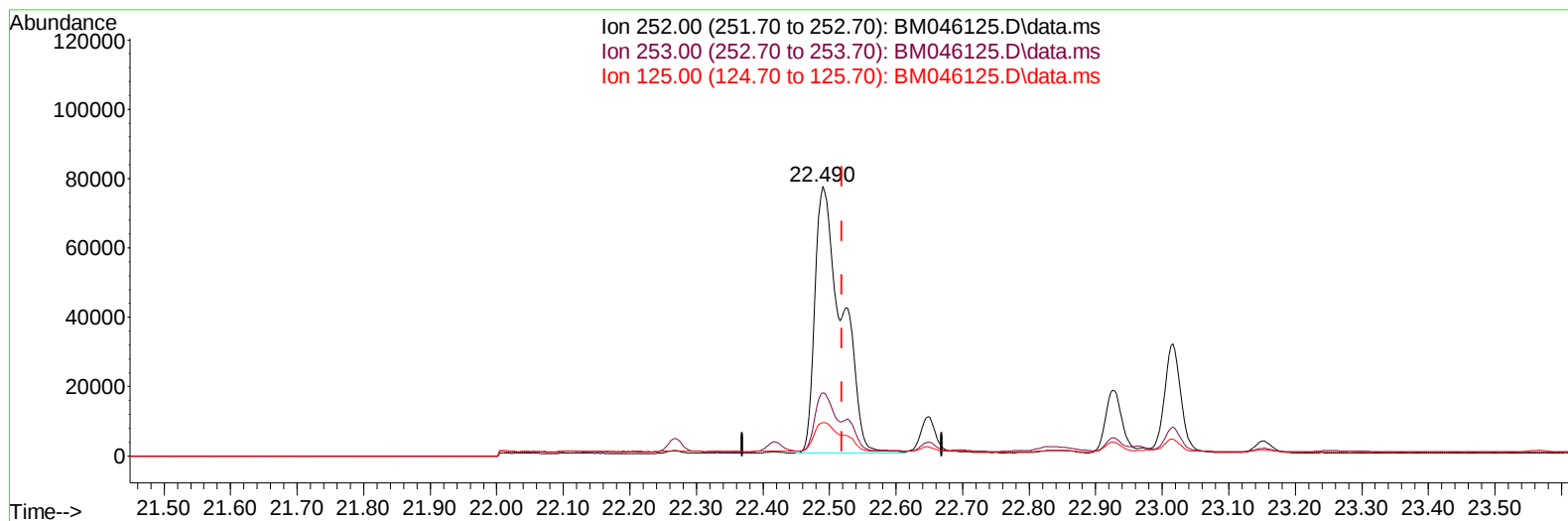
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

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TIC: BM046125.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 7.90 ng/u1

response 215918

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.54
125.00	20.10	12.43
0.00	0.00	0.00

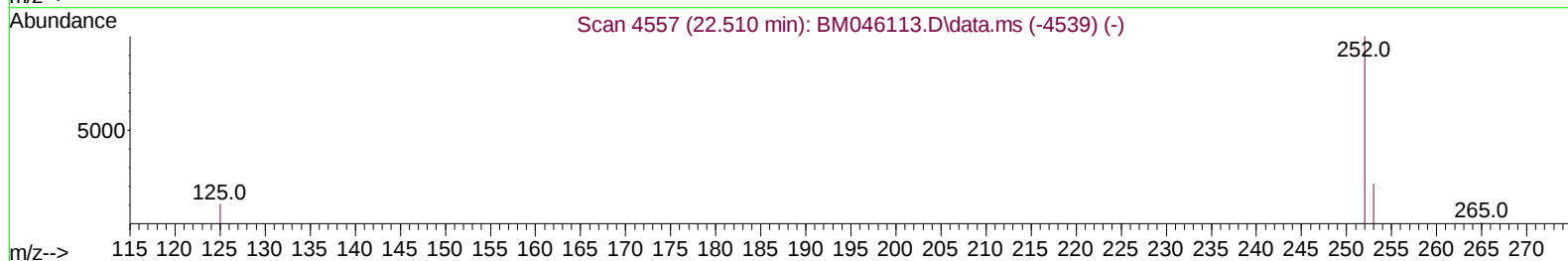
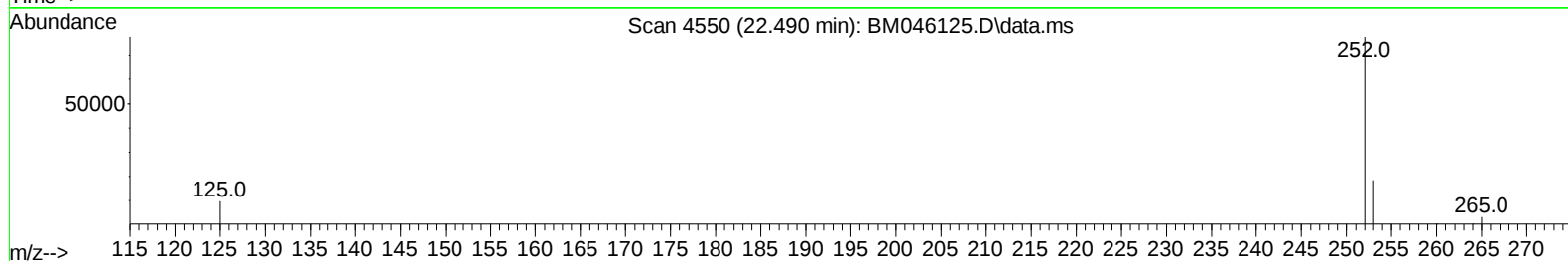
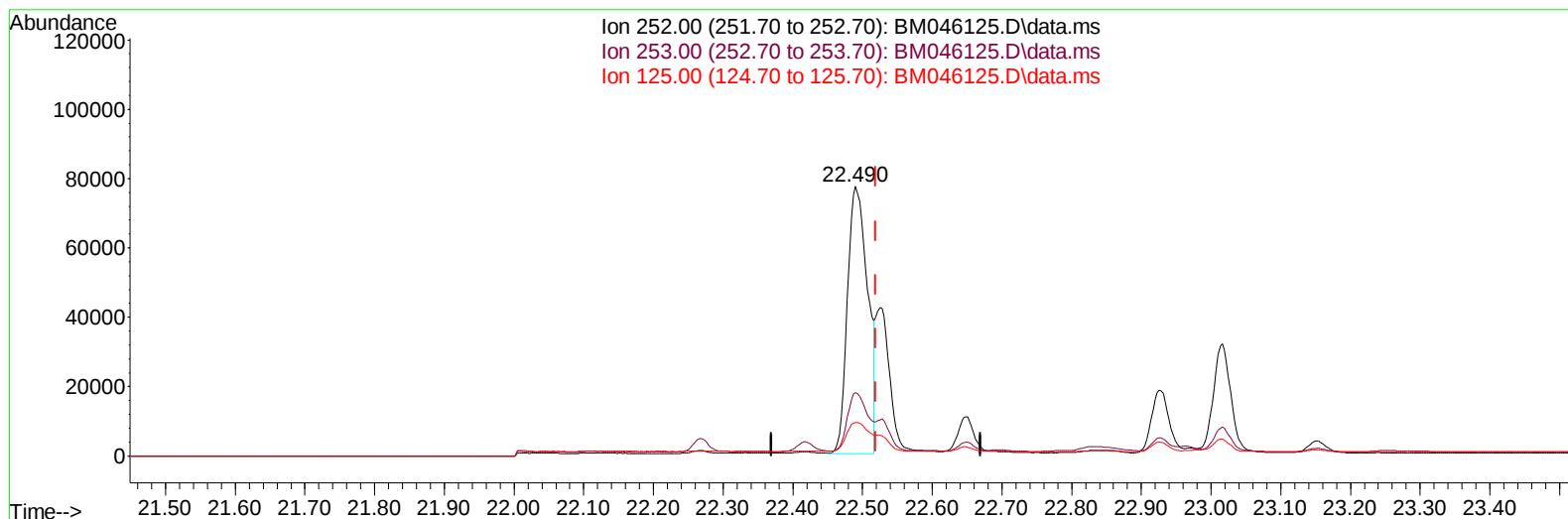
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046125.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 5.70 ng/u1 m

response 155911

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.54
125.00	20.10	12.43
0.00	0.00	0.00

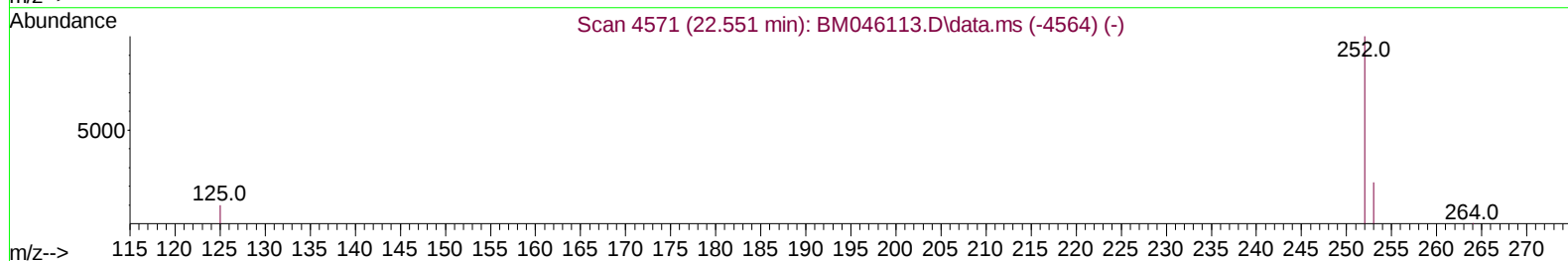
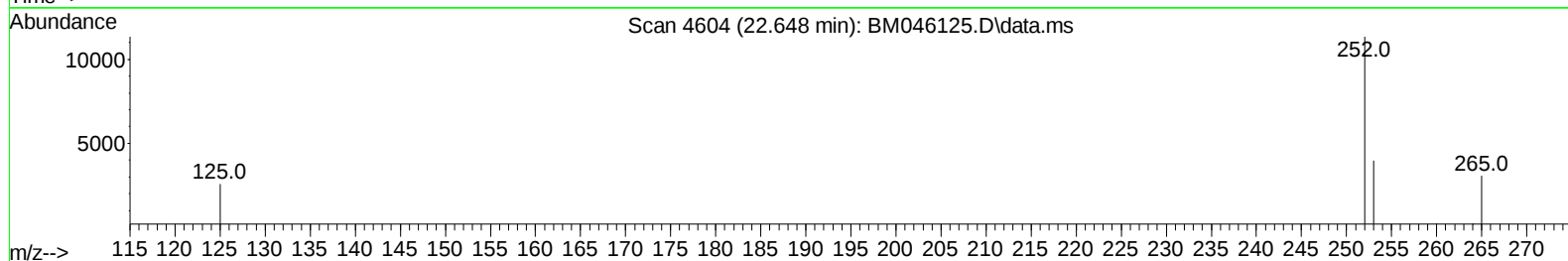
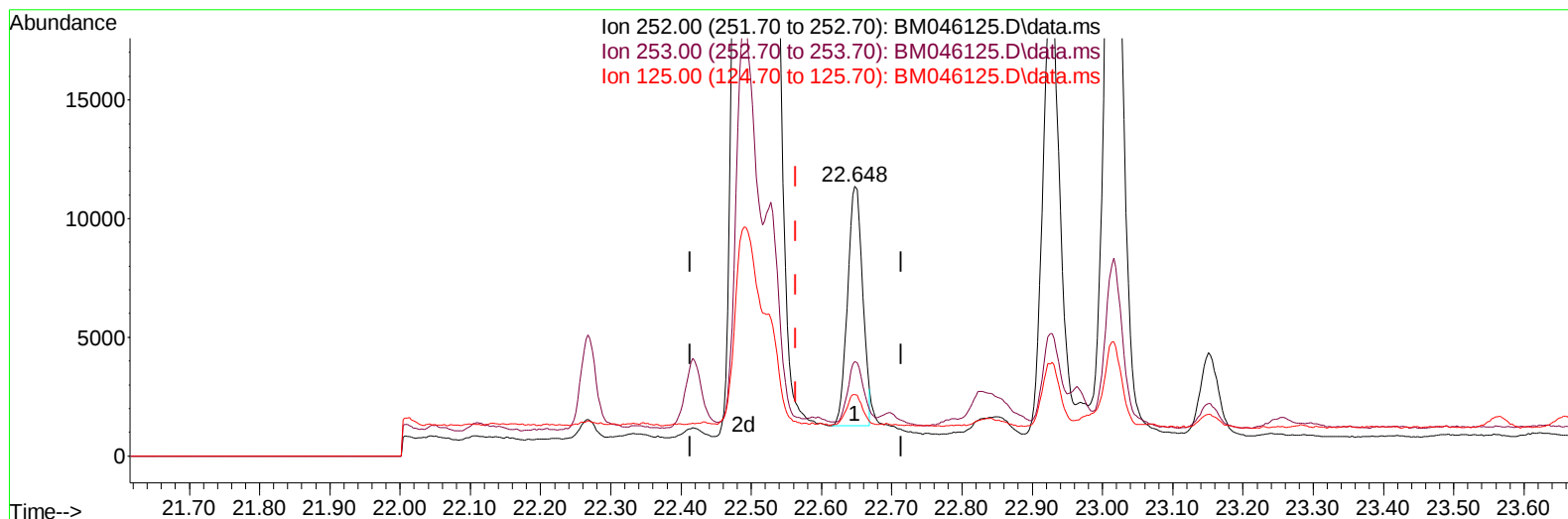
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 2024
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TIC: BM046125.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (+ 0.084) 0.46 ng/u1

response 15079

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	34.95
125.00	20.80	22.78
0.00	0.00	0.00

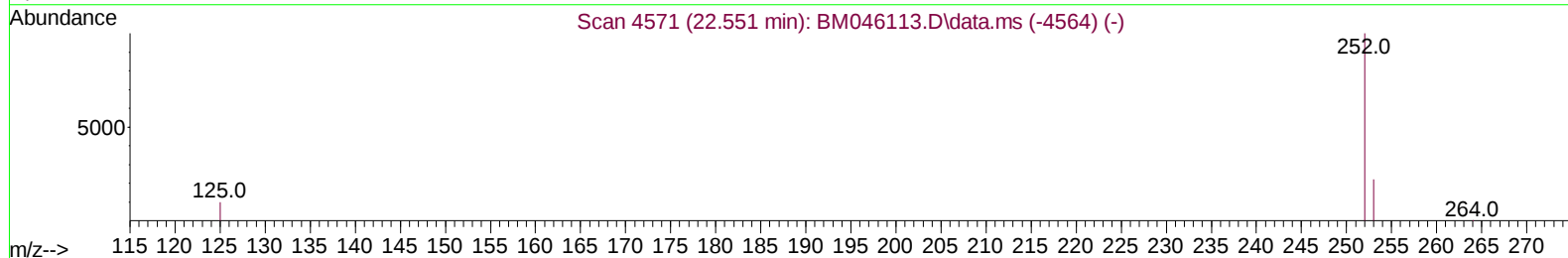
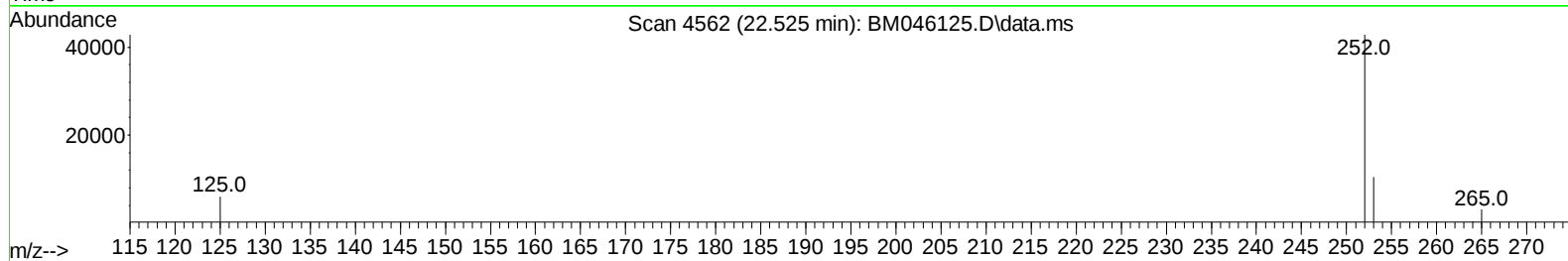
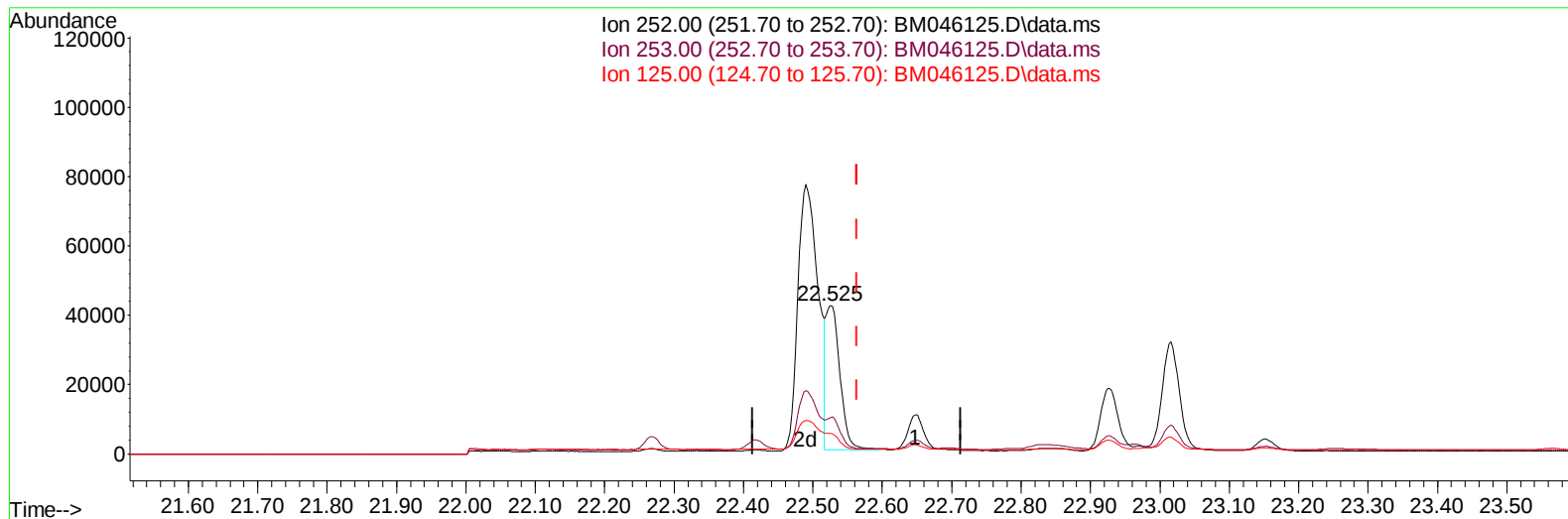
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046125.D
Acq On : 20 Jun 2024 16:20
Operator : MA/JU
Sample : P2710-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BM3

Manual IntegrationsAPPROVED

Quant Time: Jun 20 16:50:22 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 : Tue Jun 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046125.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.038) 1.78 ng/u1 m

response 57869

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	24.39#
125.00	20.80	13.96#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.426	152	2551	0.400	ng/ul	#-0.04
4) Naphthalene-d8	10.194	136	7340	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.072	164	4012	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.812	188	8538m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.014	240	6824m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	7588m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	15111	4.318	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.822	152	3091	0.314	ng/ul	-0.04
18) Fluoranthene-d10	18.849	212	7407	0.362	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.244	128	1927	0.094	ng/ul#	94
7) 2-Methylnaphthalene	11.893	142	679	0.059	ng/ul	97
8) 1-Methylnaphthalene	12.108	142	610	0.048	ng/ul	98
10) Acenaphthylene	13.790	152	4521	0.238	ng/ul	98
11) Acenaphthene	14.132	153	4189	0.305	ng/ul	99
12) Fluorene	15.127	166	4926	0.334	ng/ul	99
15) Phenanthrene	16.854	178	103377m	4.310	ng/ul	
16) Anthracene	16.947	178	20854m	1.167	ng/ul	
19) Fluoranthene	18.877	202	229742	7.776	ng/ul	96
20) Pyrene	19.239	202	154895	4.848	ng/ul	96
21) Benzo(a)anthracene	20.997	228	100736	3.822	ng/ul	99
22) Chrysene	21.049	228	107718	3.202	ng/ul	99
24) Benzo(b)fluoranthene	22.490	252	155911m	5.703	ng/ul	
25) Benzo(k)fluoranthene	22.525	252	57869m	1.781	ng/ul	
26) Benzo(a)pyrene	23.016	252	54530	2.153	ng/ul#	77
27) Indeno(1,2,3-cd)pyrene	25.152	276	59442	1.434	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.158	278	18115	0.587	ng/ul	98
29) Benzo(g,h,i)perylene	25.779	276	8539	0.240	ng/ul#	88

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

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