

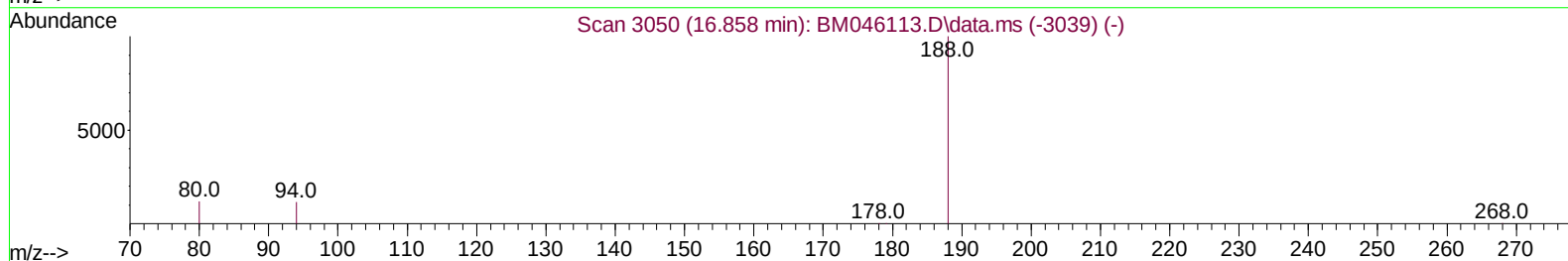
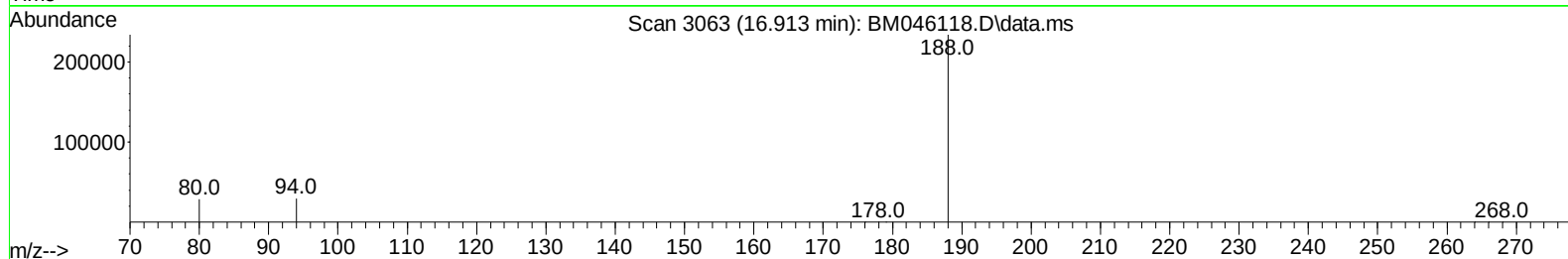
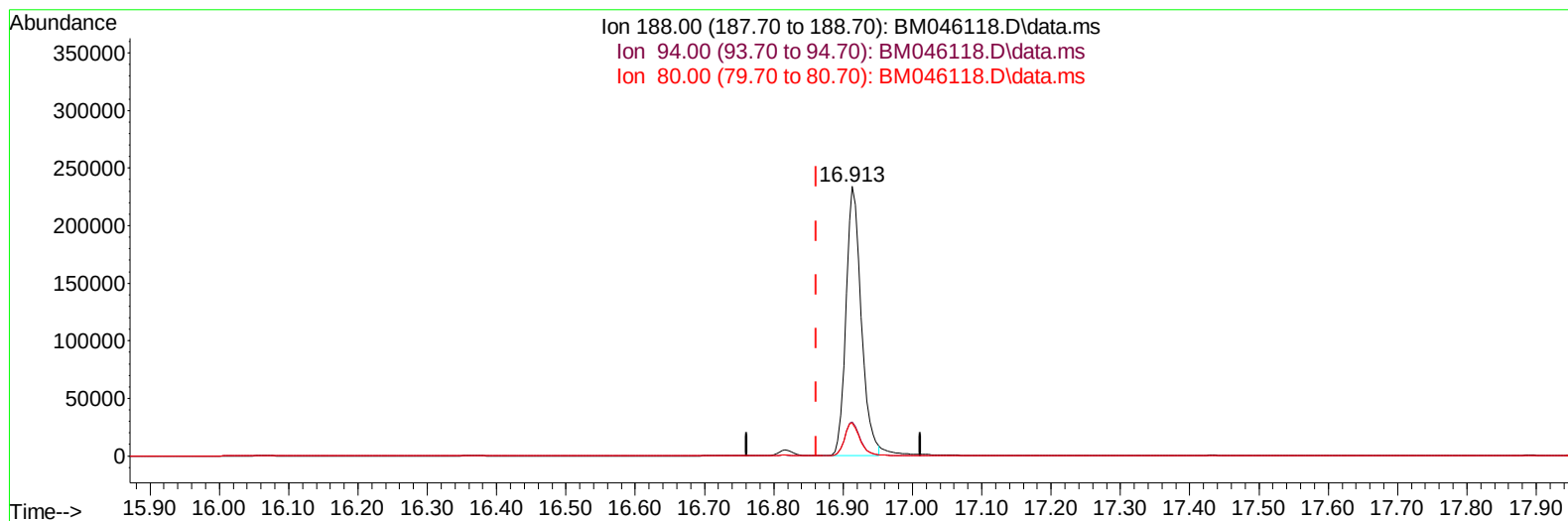
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

Quant Time: Jun 20 12:35:27 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: BM046118.D\data.ms

(13) Phenanthrene-d10 (I)

16.913min (+ 0.052) 0.40 ng/u1

response 357890

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.74
80.00	15.20	12.09#
0.00	0.00	0.00

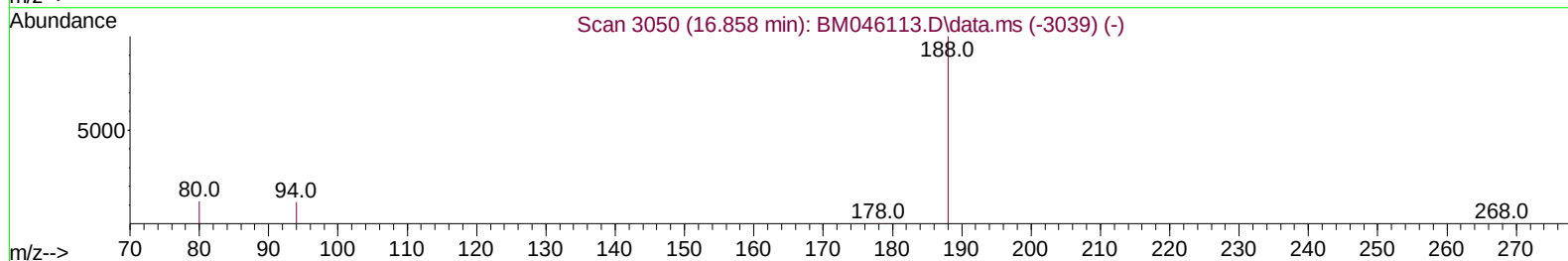
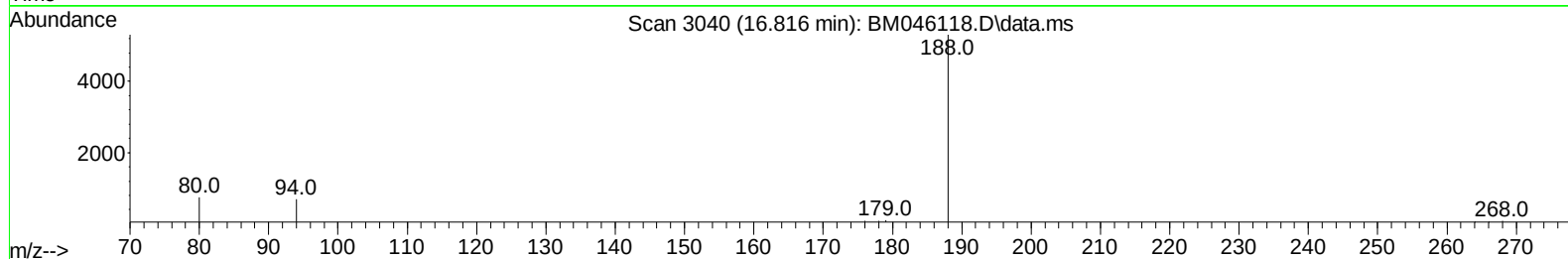
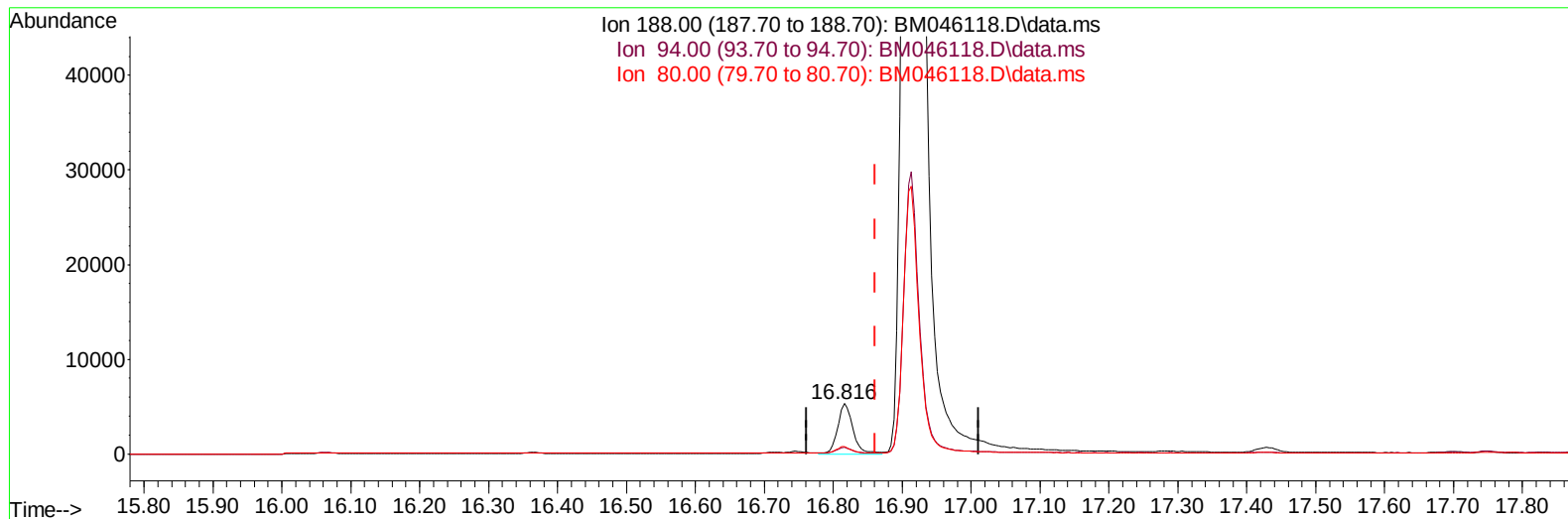
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

Quant Time: Jun 20 12:35:27 2024
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TIC: BM046118.D\data.ms

(13) Phenanthrene-d10 (I)

16.816min (-0.045) 0.40 ng/ul m

response 8170

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	13.09
80.00	15.20	14.05
0.00	0.00	0.00

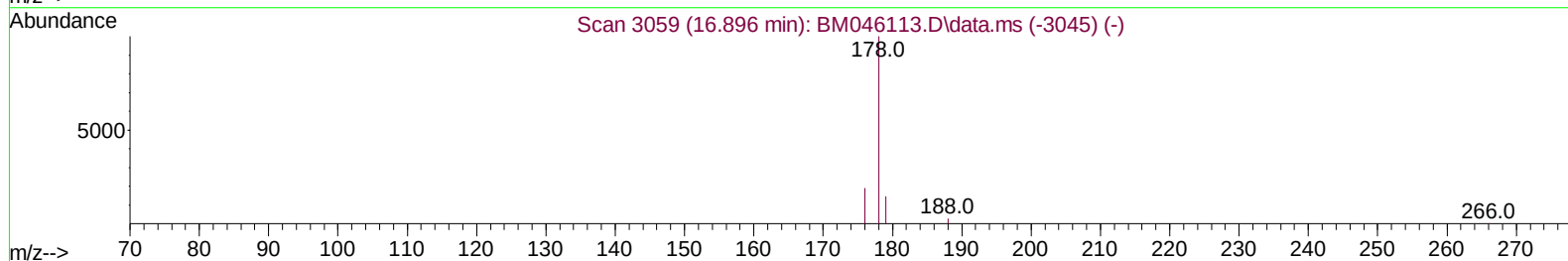
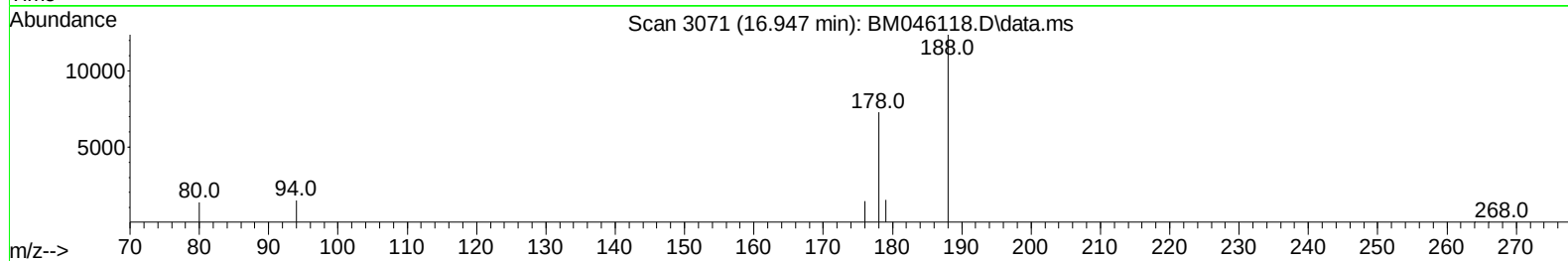
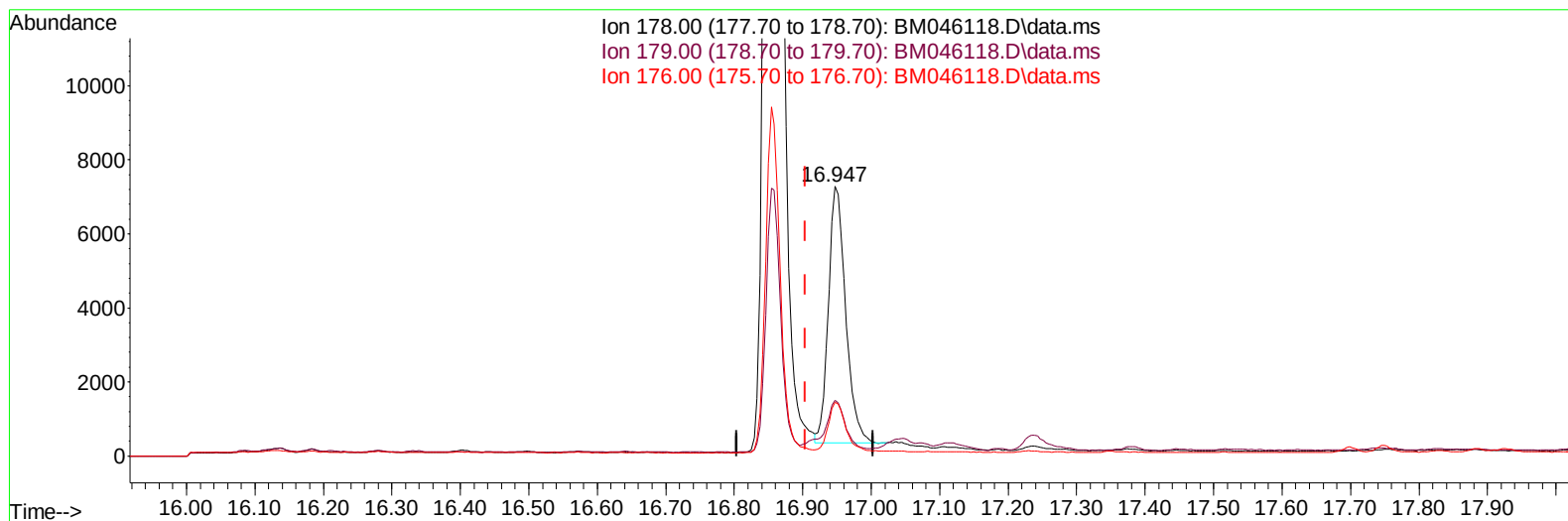
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

Quant Time: Jun 20 12:35:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046118.D\data.ms

(15) Phenanthrene

16.947min (+ 0.044) 0.53 ng/u1

response 12059

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	20.58
176.00	21.40	19.96
0.00	0.00	0.00

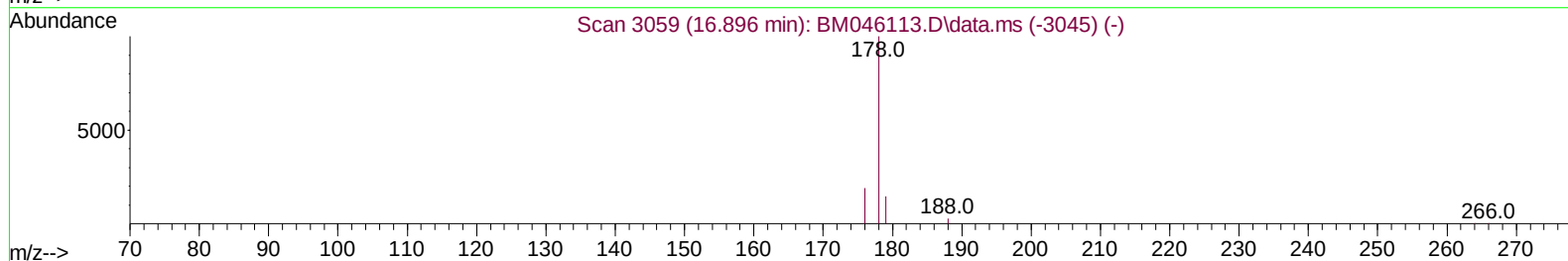
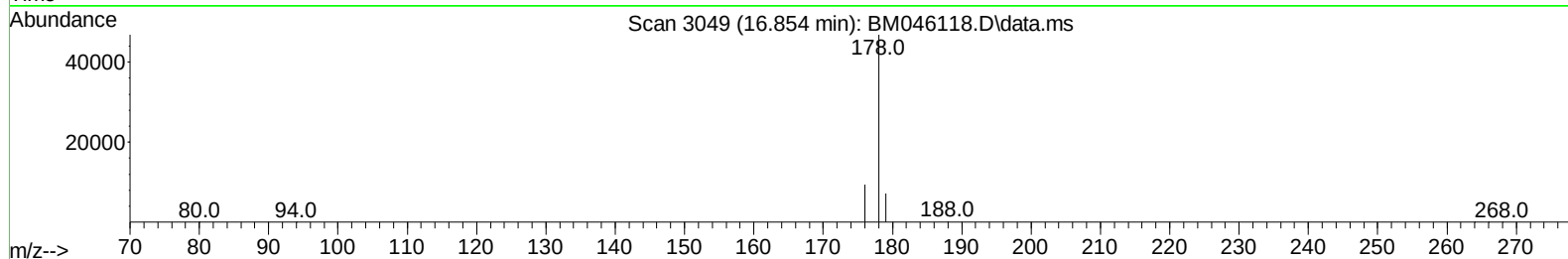
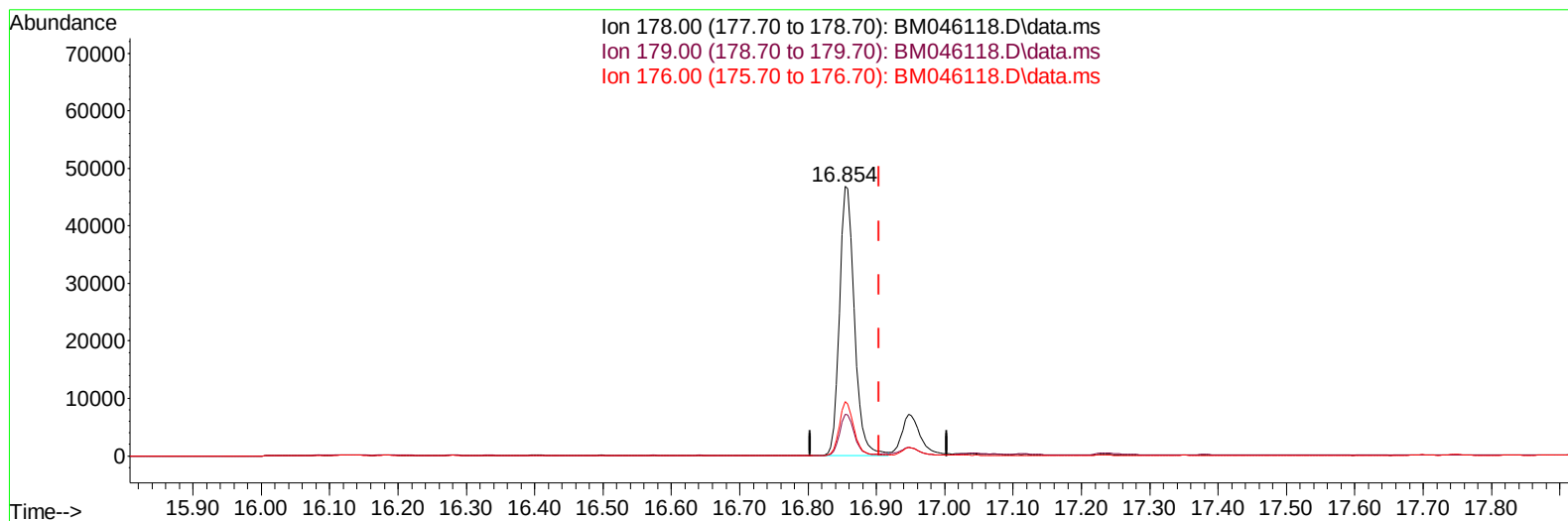
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

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TIC: BM046118.D\data.ms

(15) Phenanthrene

16.854min (-0.049) 3.08 ng/ul m

response 70632

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.44
176.00	21.40	20.12
0.00	0.00	0.00

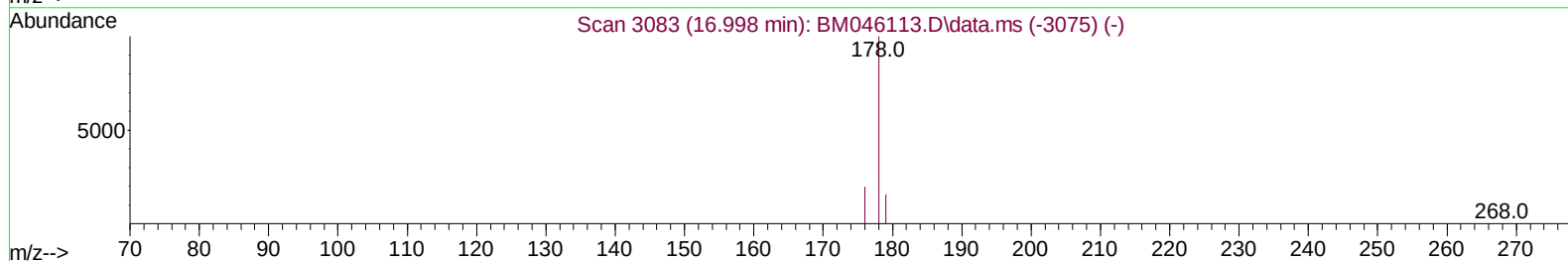
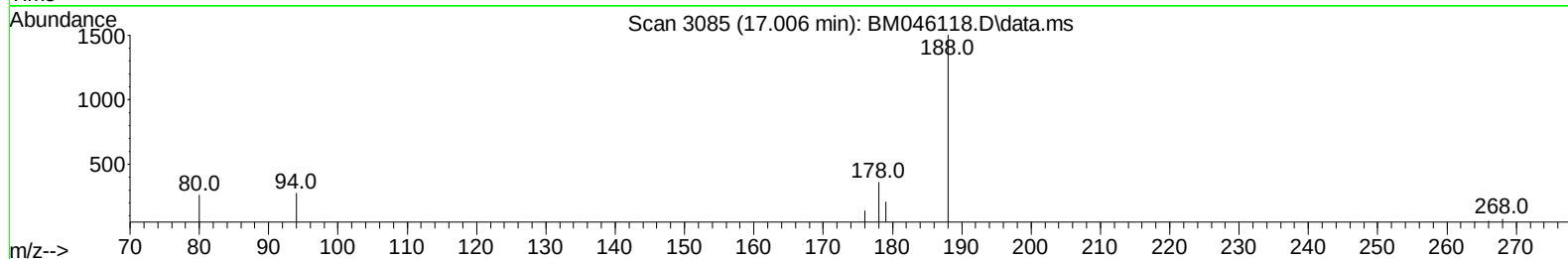
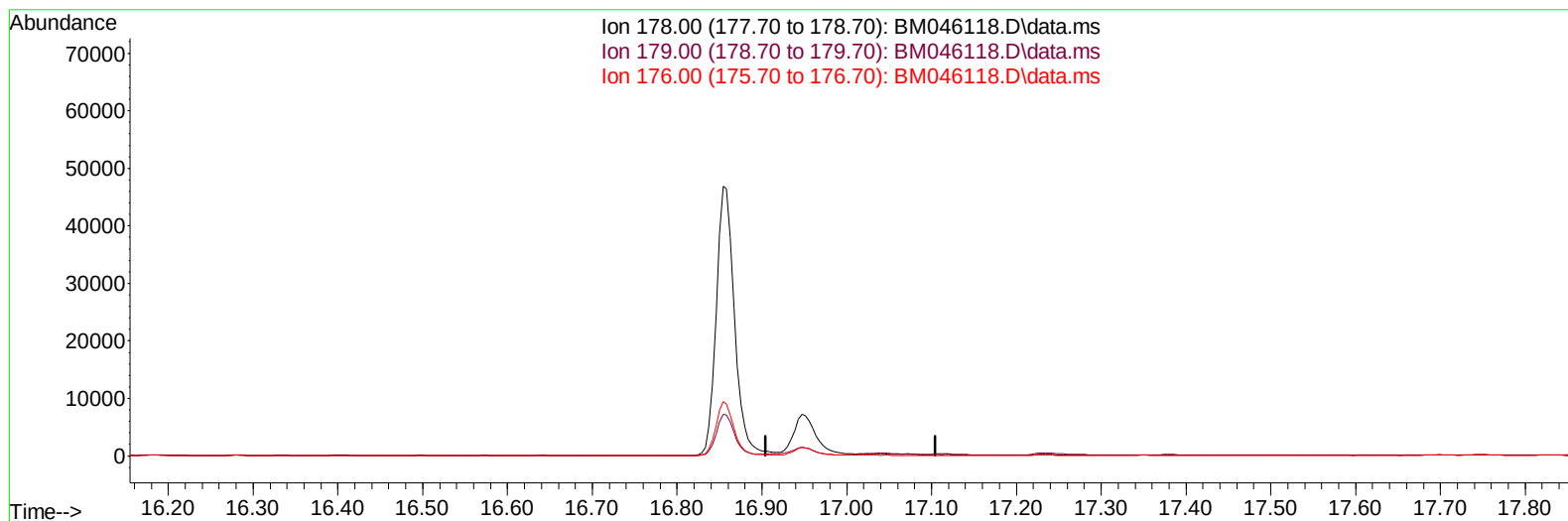
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

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TIC: BM046118.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

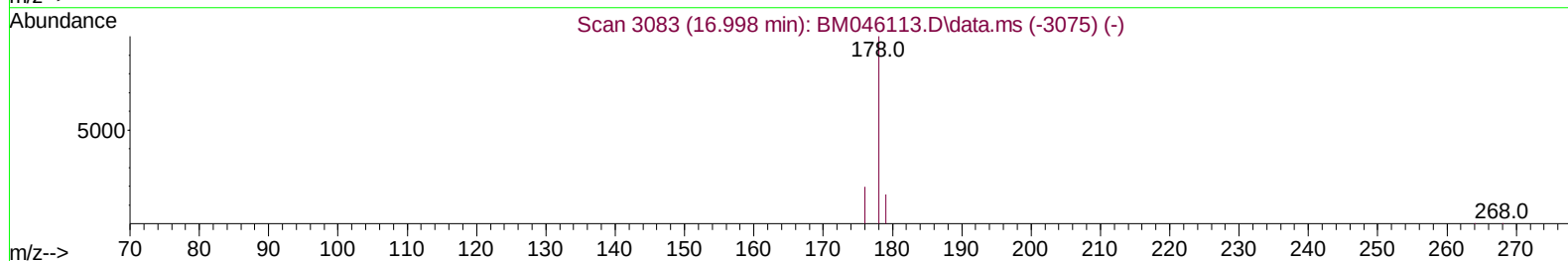
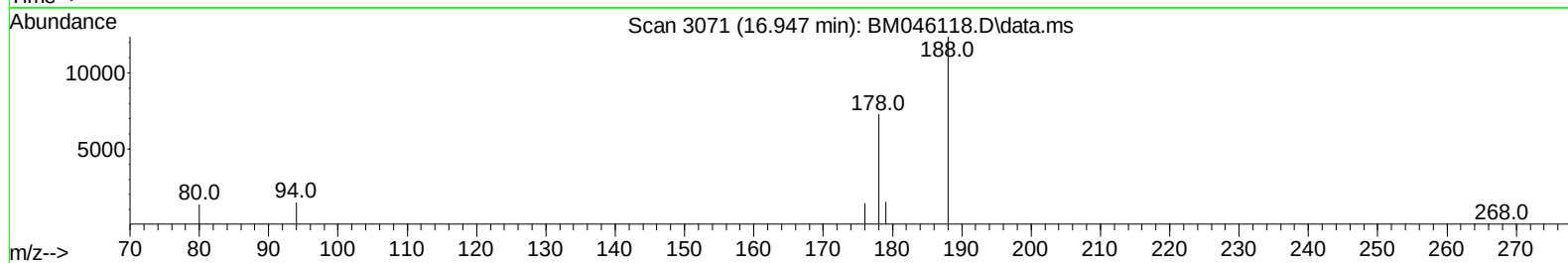
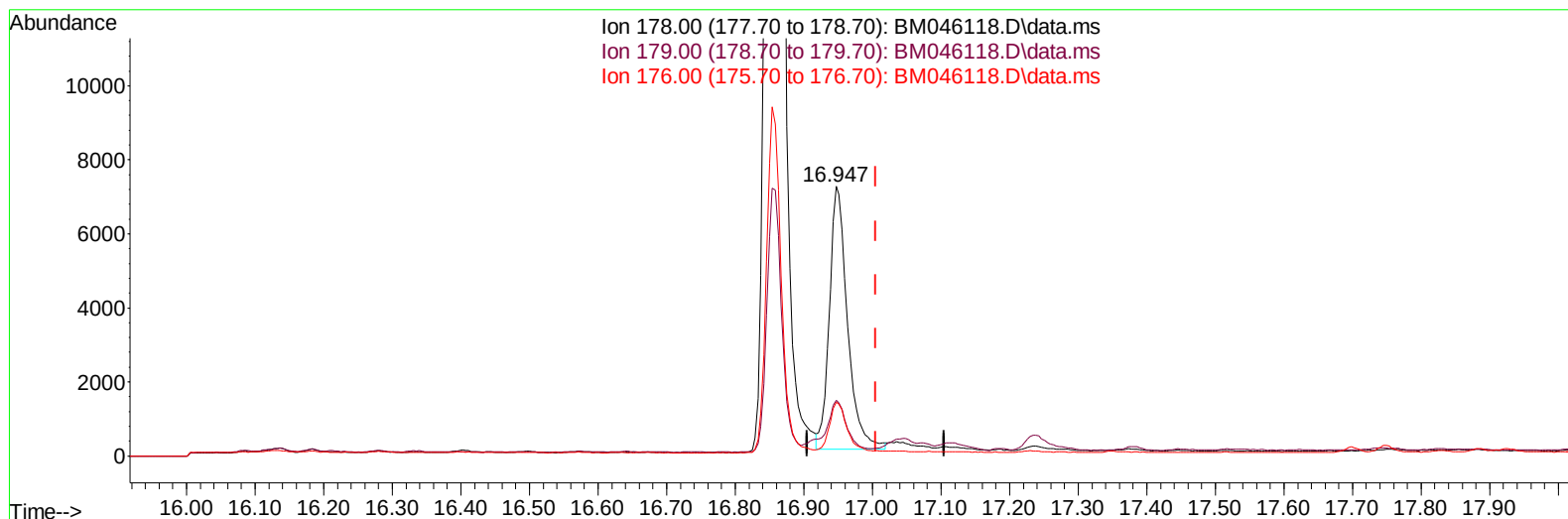
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

Quant Time: Jun 20 12:35:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046118.D\data.ms

(16) Anthracene

16.947min (-0.058) 0.77 ng/ul m

response 13093

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	20.58
176.00	21.20	19.96
0.00	0.00	0.00

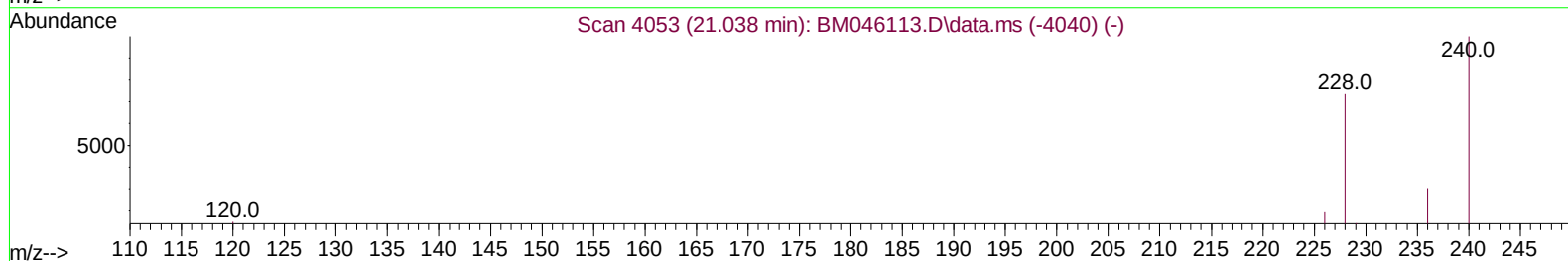
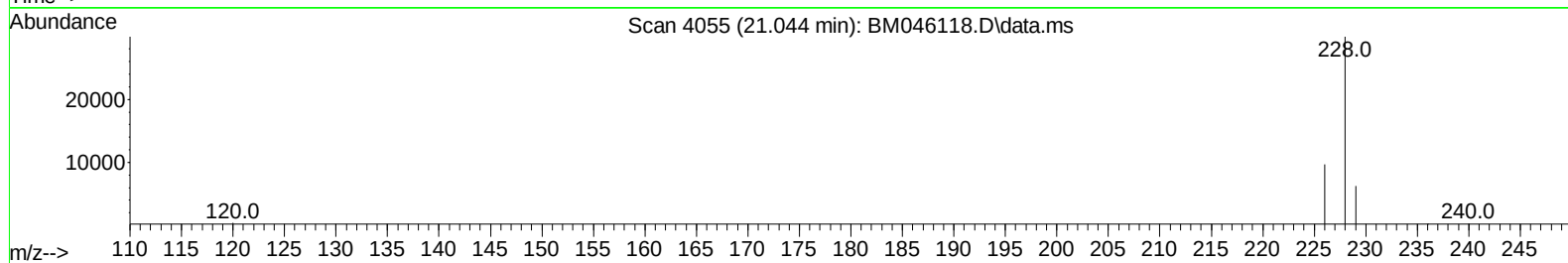
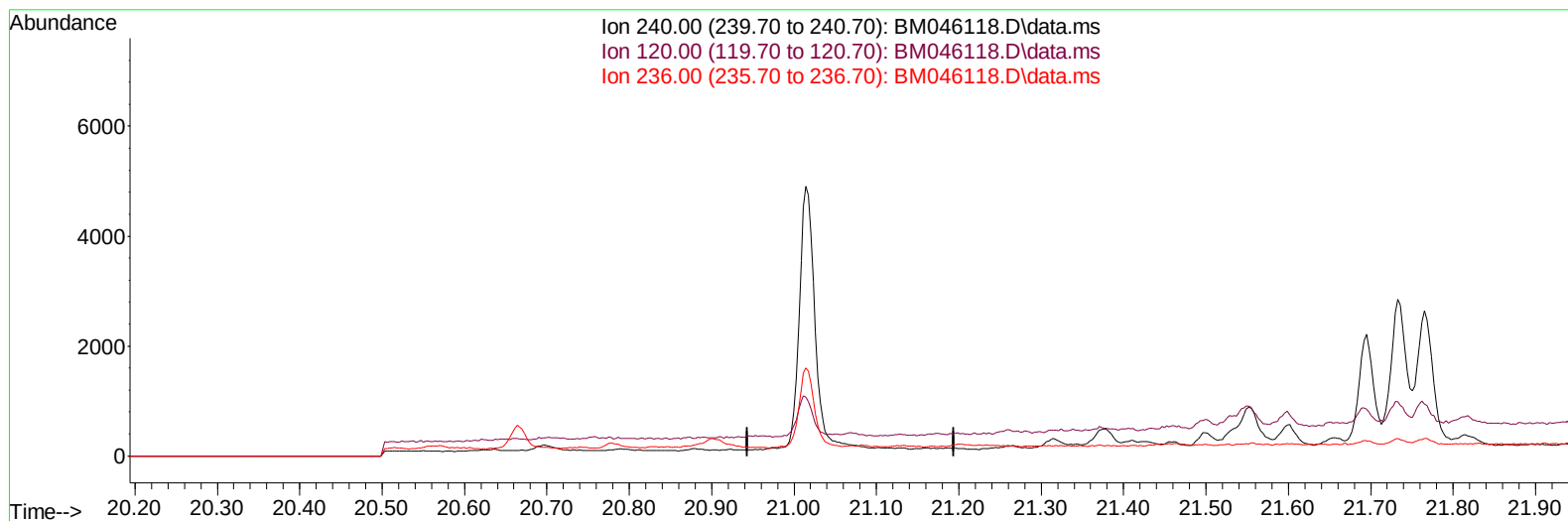
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

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TIC: BM046118.D\data.ms

(17) Chrysene-d12

21.044min (-21.044) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	23.50	0.00#
236.00	33.60	0.00#
0.00	0.00	0.00

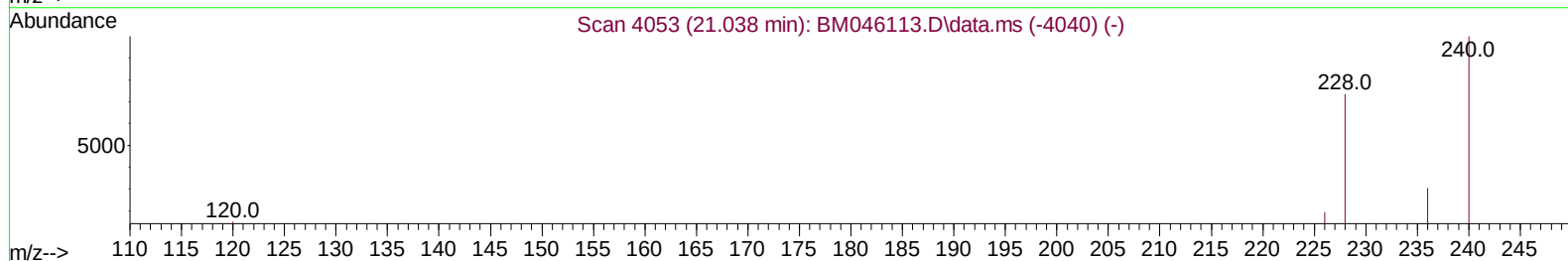
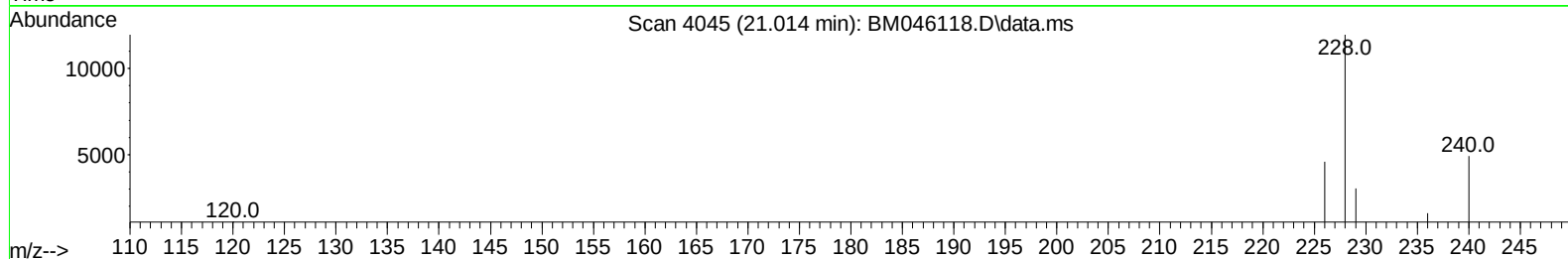
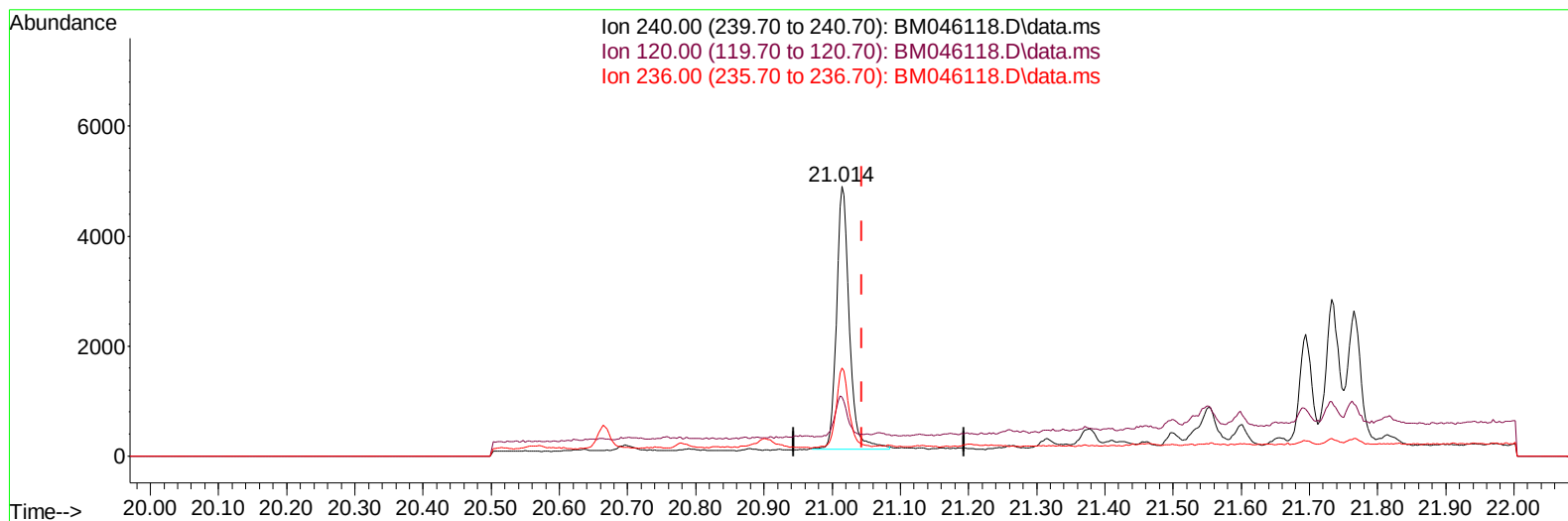
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

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

Quant Time: Jun 20 12:35:27 2024
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
Response via : Initial Calibration



TIC: BM046118.D\data.ms

(17) Chrysene-d12

21.014min (-0.030) 0.40 ng/ul m

response 6276

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.95
236.00	33.60	32.71
0.00	0.00	0.00

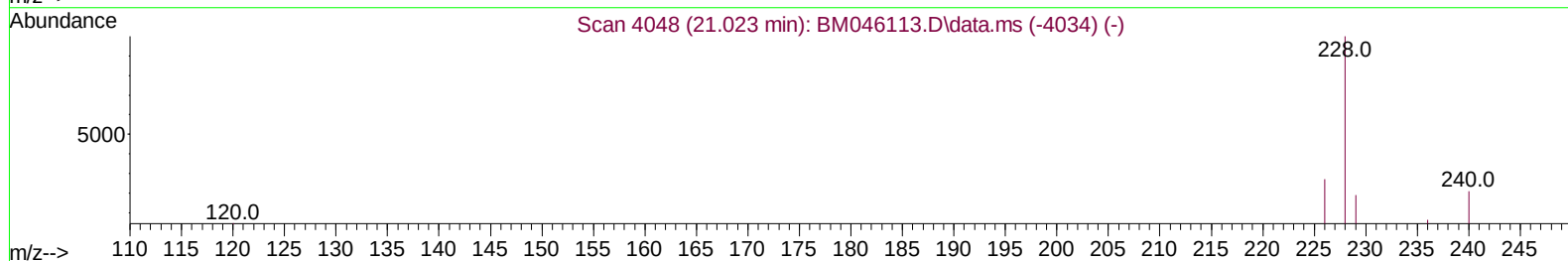
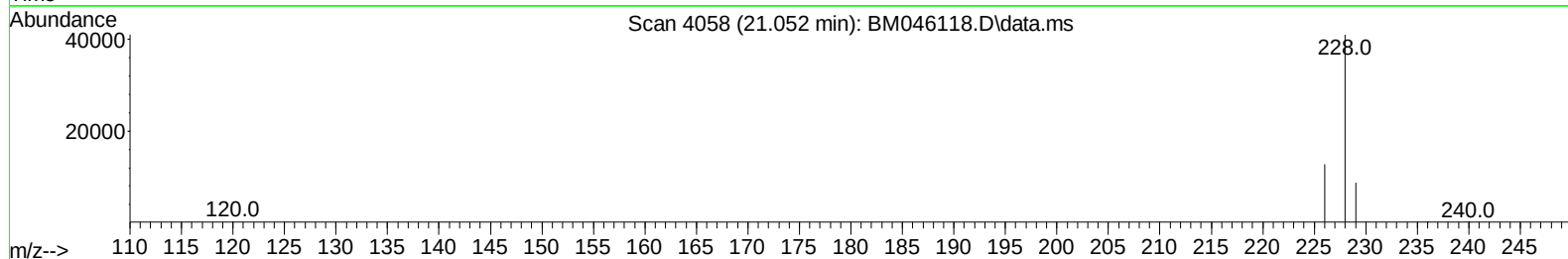
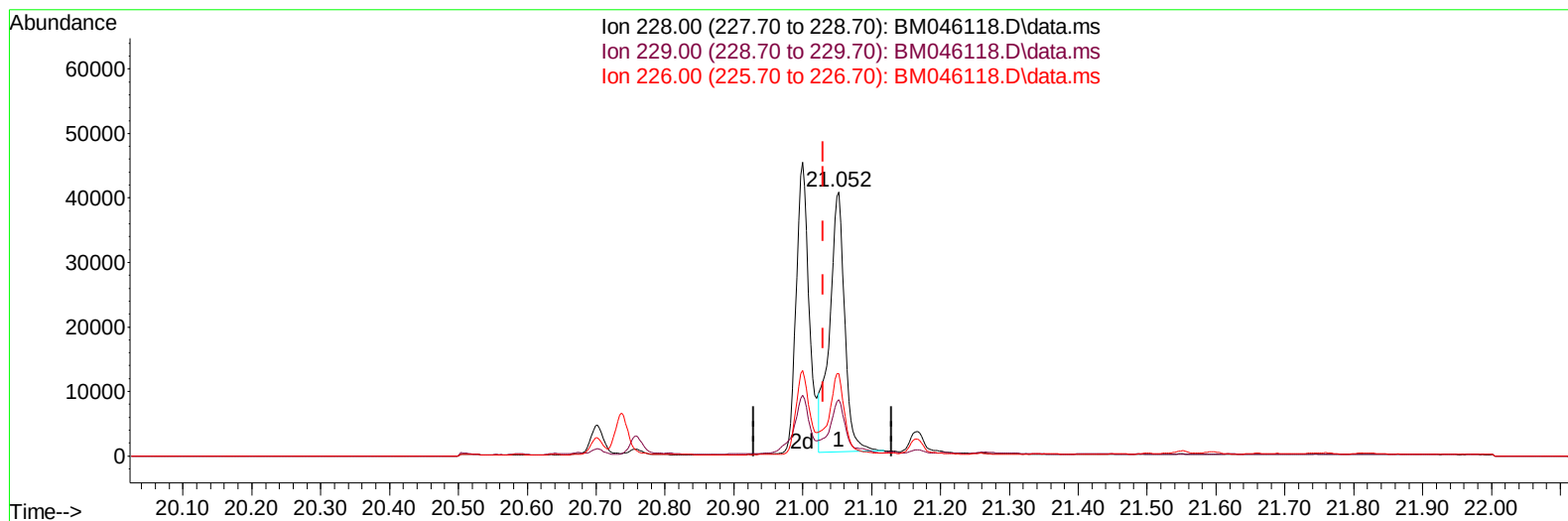
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046118.D
 Acq On : 20 Jun 2024 12:04
 Operator : MA/JU
 Sample : P2710-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B24

Manual IntegrationsAPPROVED

Quant Time: Jun 20 12:35:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046118.D\data.ms

(21) Benzo(a)anthracene

21.052min (+ 0.023) 2.55 ng/u1

response 61707

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.36
226.00	29.30	31.19
0.00	0.00	0.00

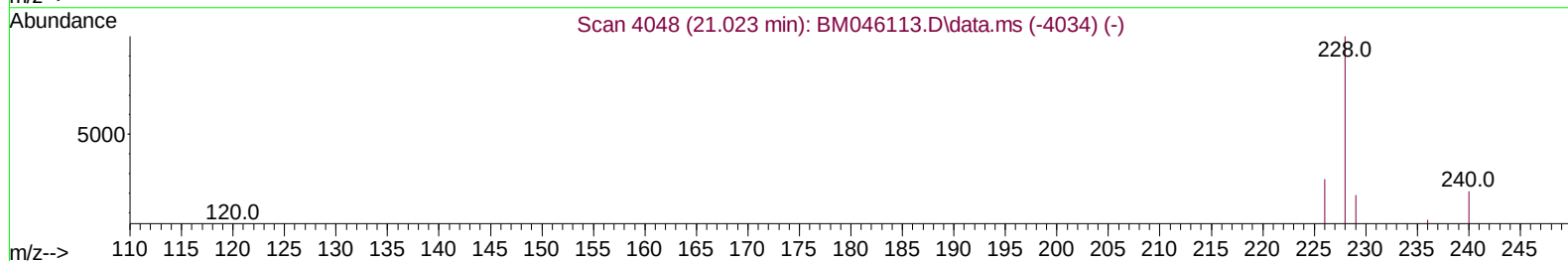
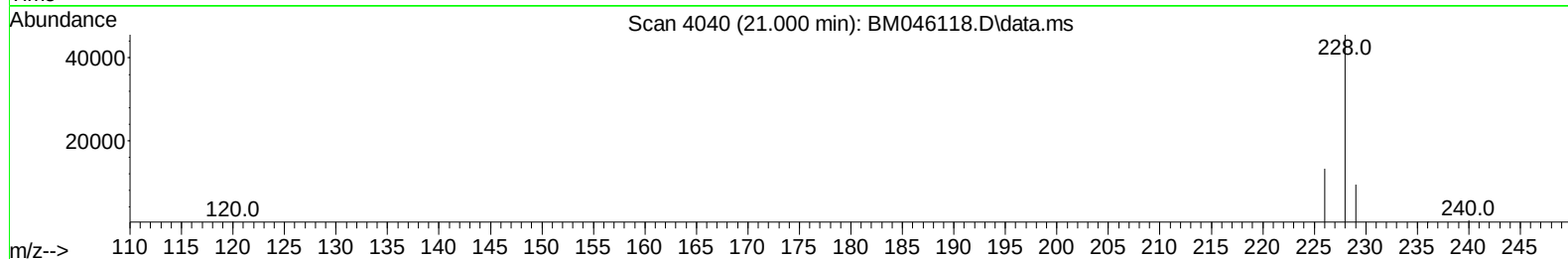
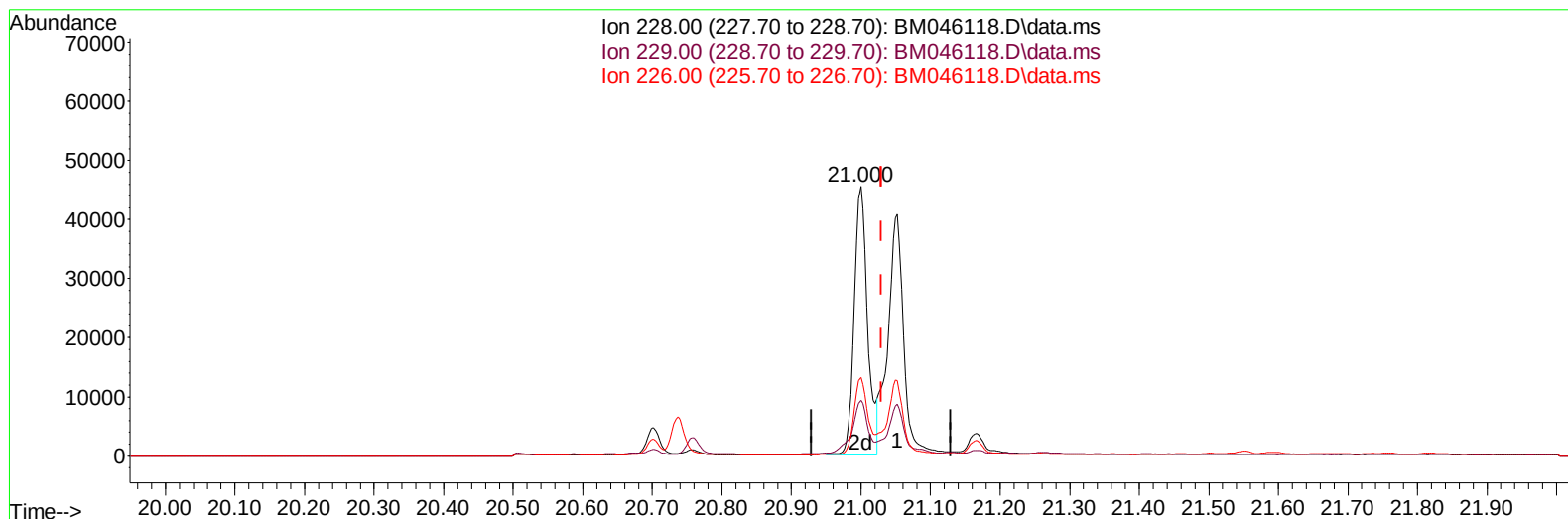
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046118.D
 Acq On : 20 Jun 2024 12:04
 Operator : MA/JU
 Sample : P2710-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B24

Manual IntegrationsAPPROVED

Quant Time: Jun 20 12:35:27 2024
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TIC: BM046118.D\data.ms

(21) Benzo(a)anthracene

21.000min (-0.030) 2.53 ng/ul m

response 61331

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.71
226.00	29.30	29.16
0.00	0.00	0.00

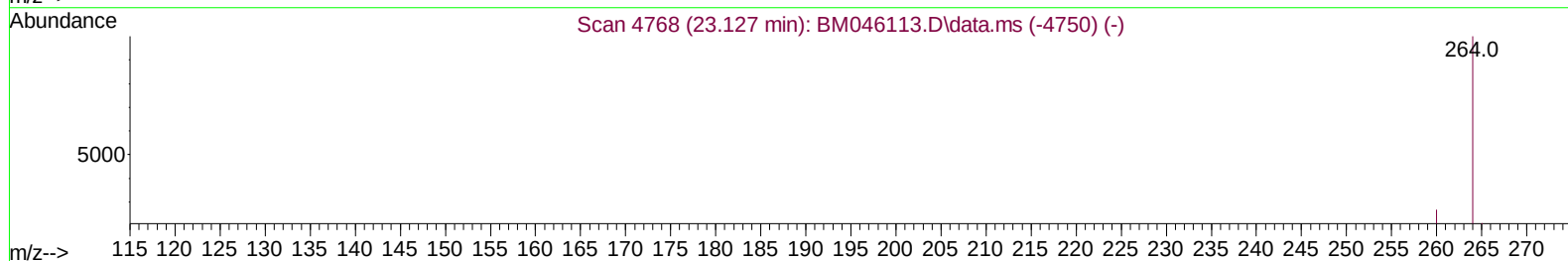
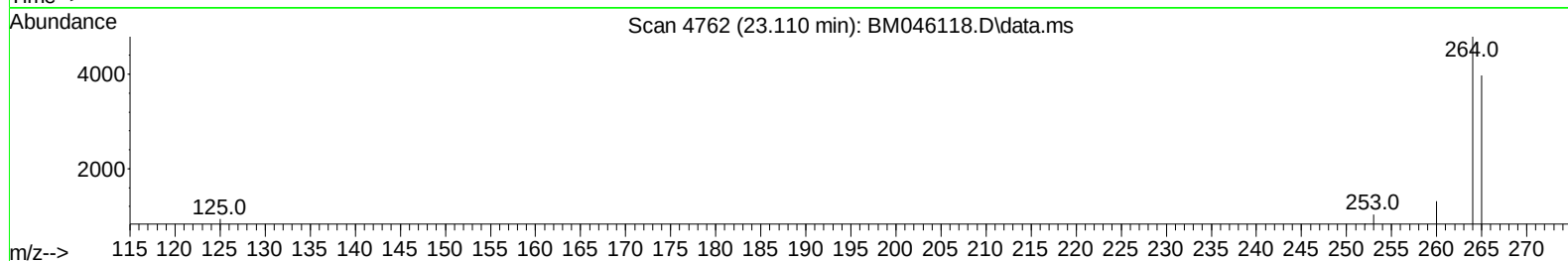
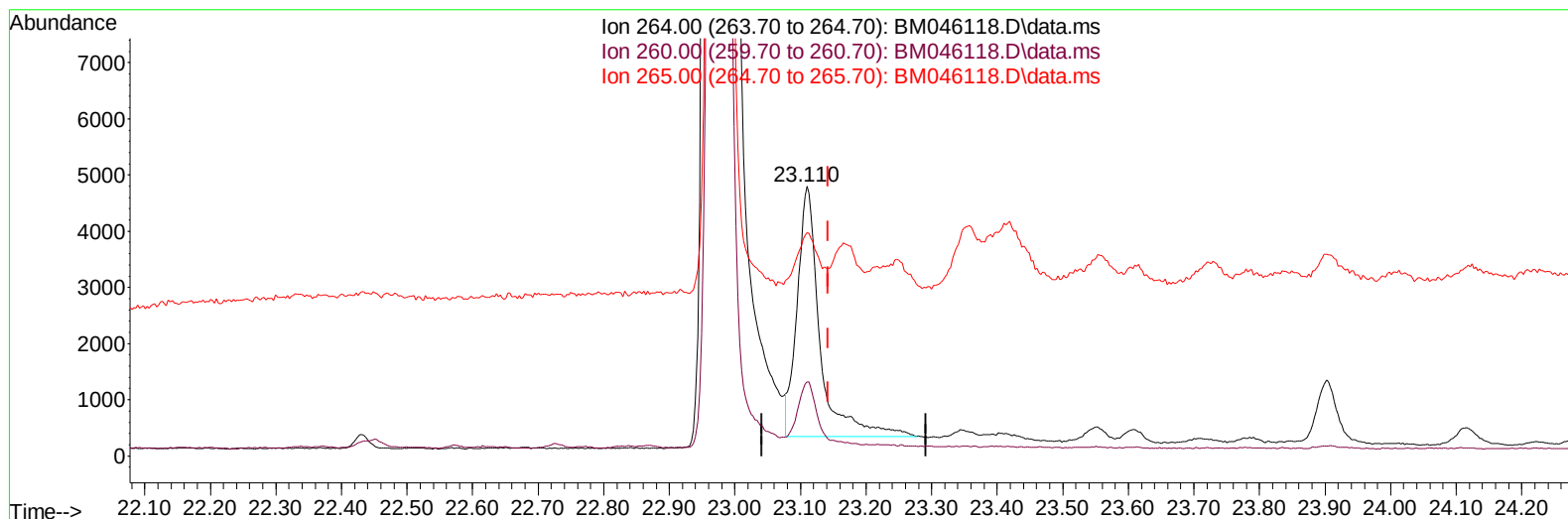
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM046118.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.033) 0.40 ng/u1

response 10706

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.50
265.00	110.60	82.92#
0.00	0.00	0.00

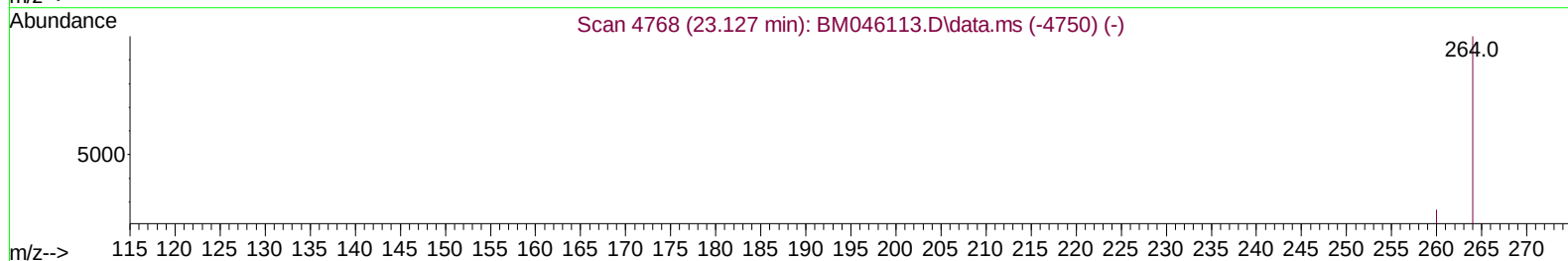
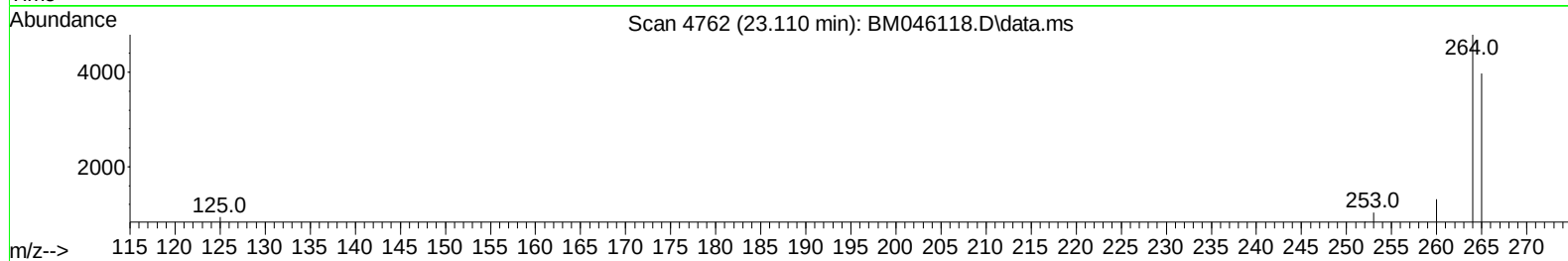
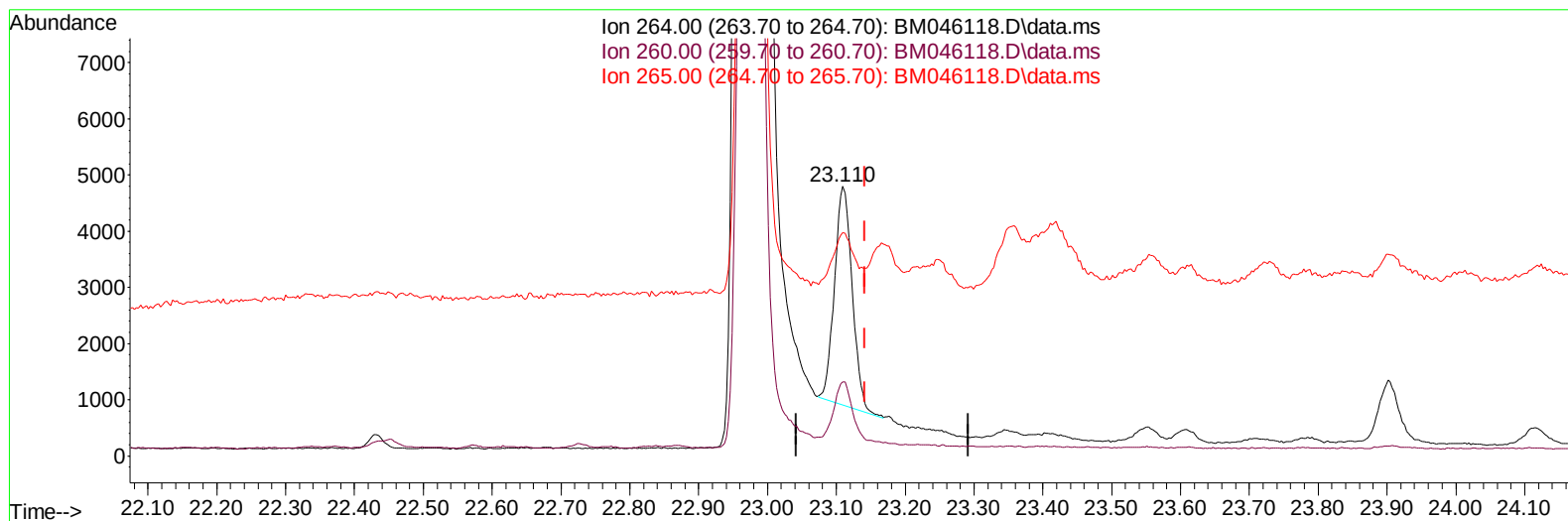
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

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TIC: BM046118.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.033) 0.40 ng/ul m

response 6908

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.50
265.00	110.60	82.92#
0.00	0.00	0.00

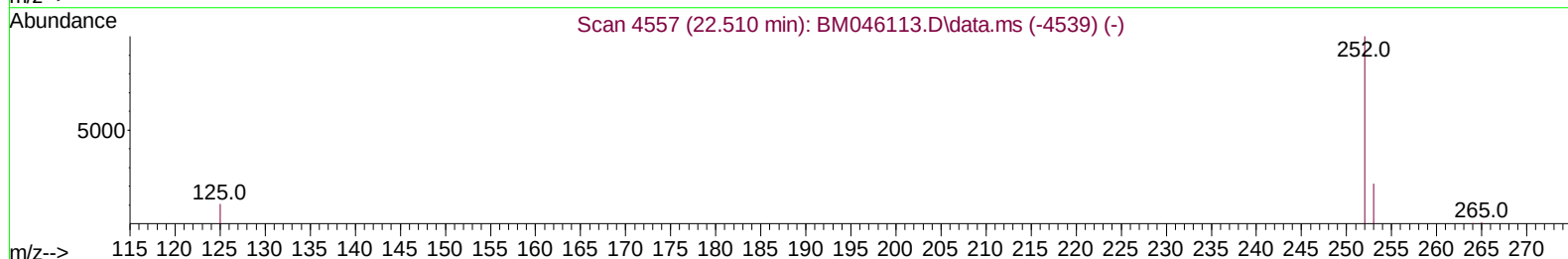
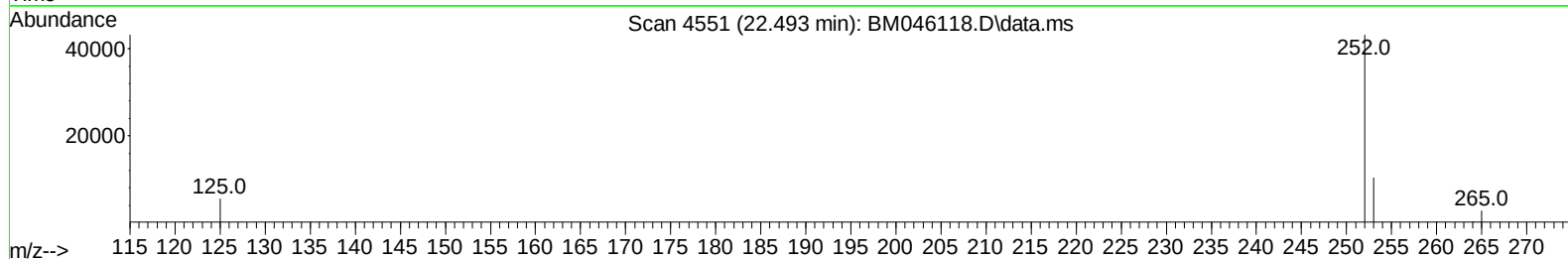
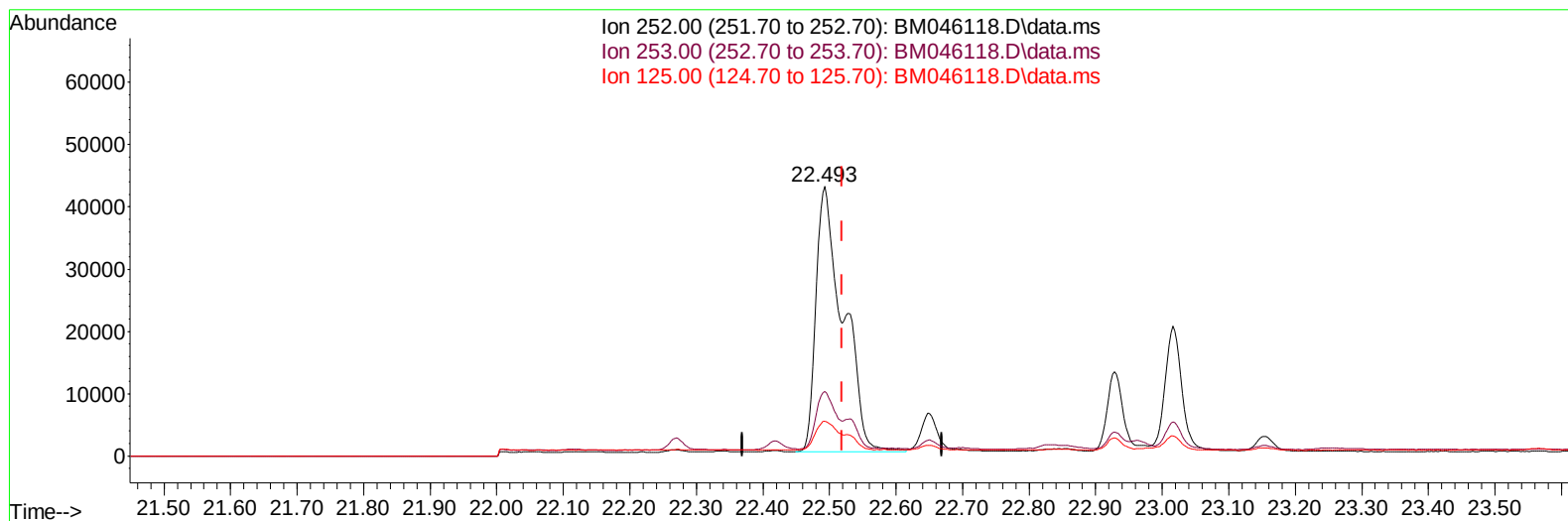
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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TIC: BM046118.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.027) 4.82 ng/u1

response 120007

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.96
125.00	20.10	12.93
0.00	0.00	0.00

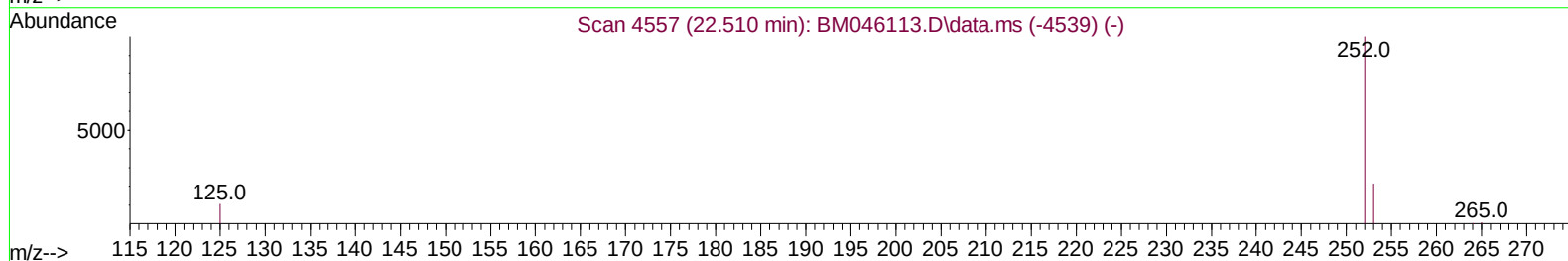
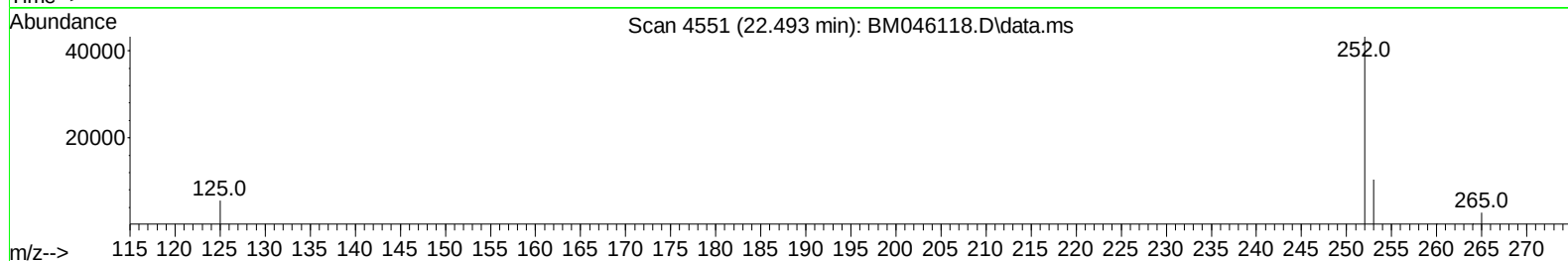
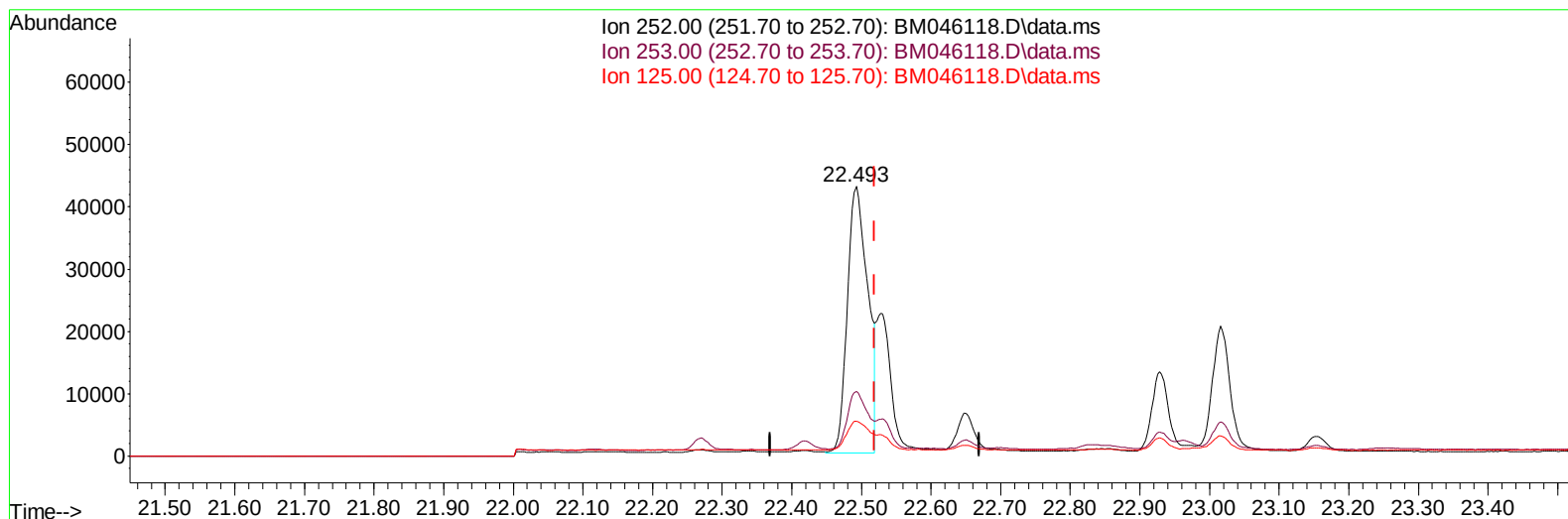
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046118.D
Acq On : 20 Jun 2024 12:04
Operator : MA/JU
Sample : P2710-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B24

Manual IntegrationsAPPROVED

Quant Time: Jun 20 12:35:27 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: BM046118.D\data.ms

(24) Benzo(b)fluoranthene

22.493min (-0.027) 3.53 ng/ul m

response 87930

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	23.96
125.00	20.10	12.93
0.00	0.00	0.00

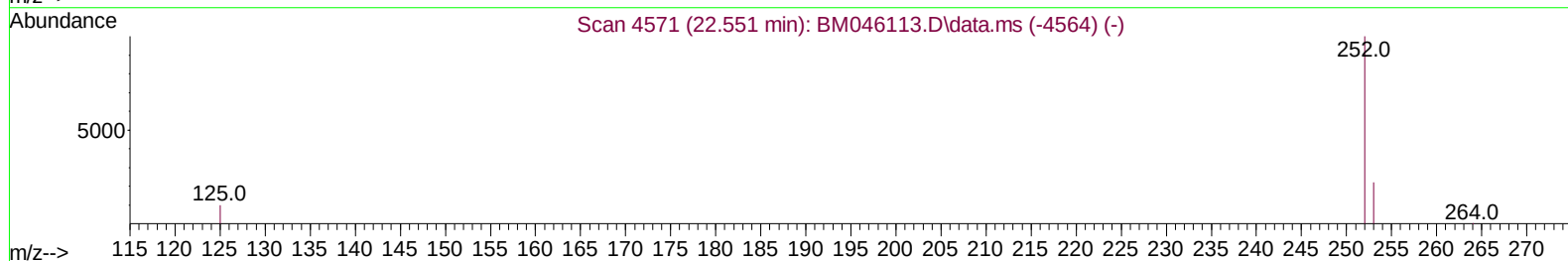
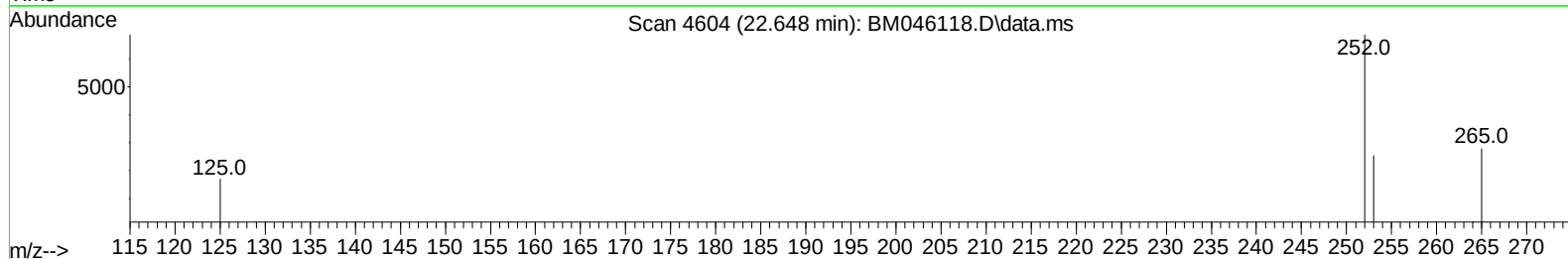
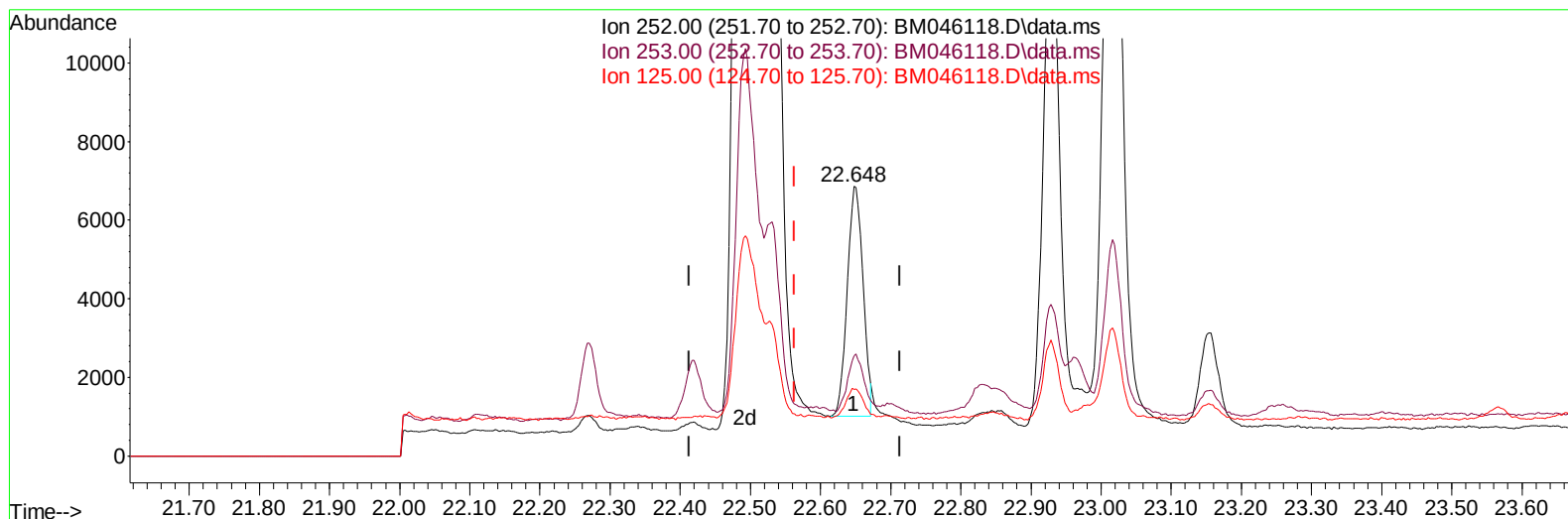
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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TIC: BM046118.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (+ 0.084) 0.31 ng/u1

response 9110

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	37.10
125.00	20.80	24.68
0.00	0.00	0.00

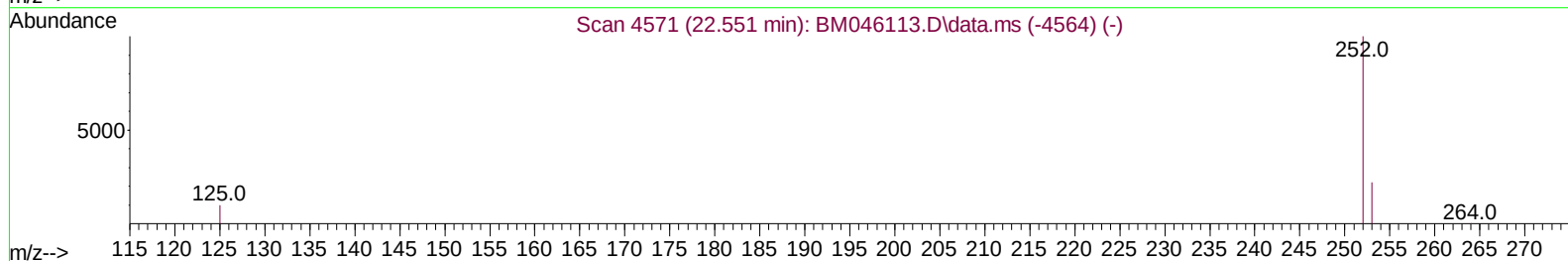
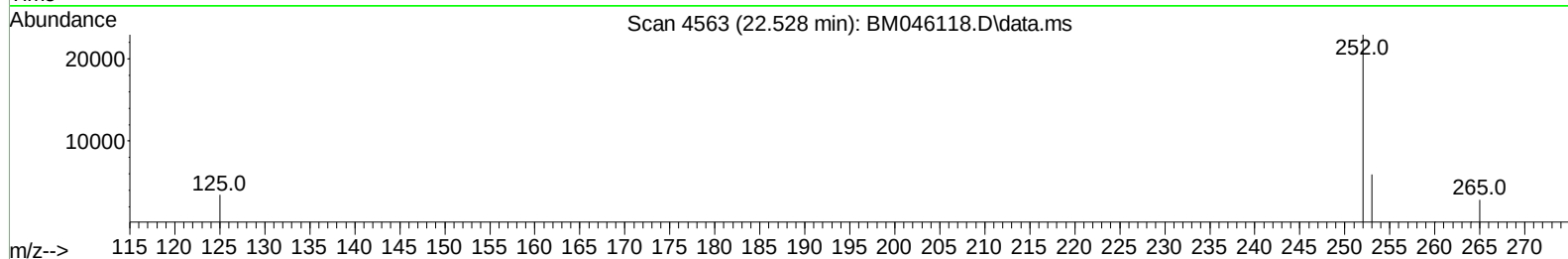
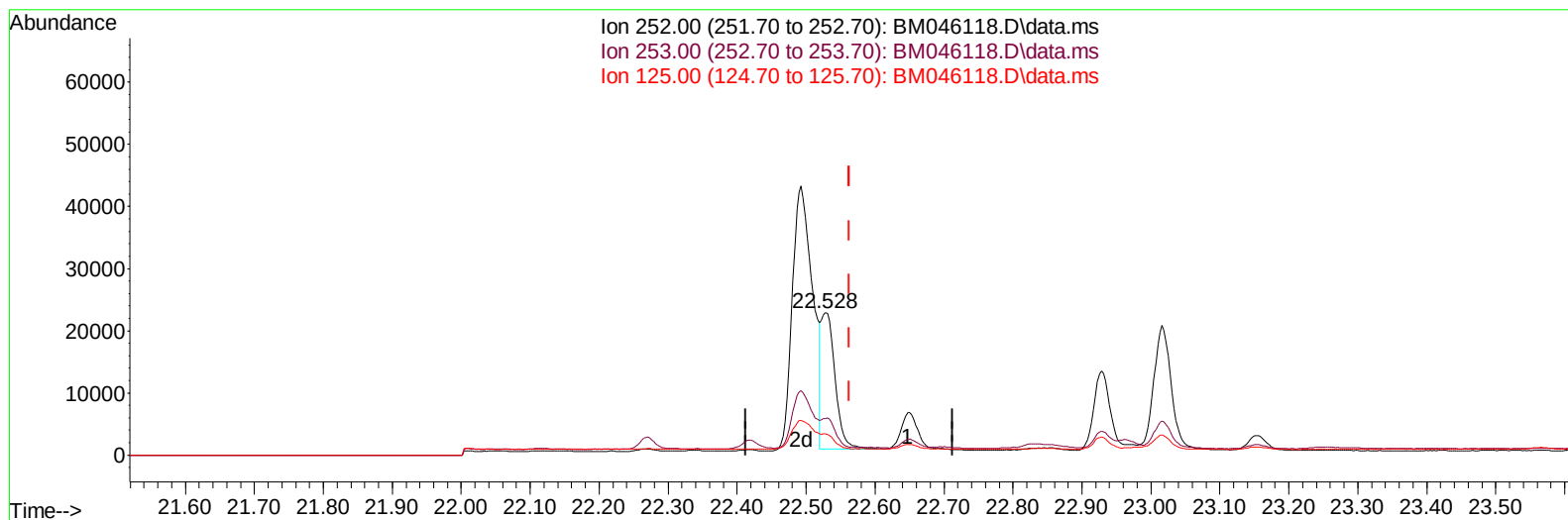
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046118.D
 Acq On : 20 Jun 2024 12:04
 Operator : MA/JU
 Sample : P2710-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B24

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TIC: BM046118.D\data.ms

(25) Benzo(k)fluoranthene

22.528min (-0.035) 1.06 ng/u l m

response 31278

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.76#
125.00	20.80	14.96#
0.00	0.00	0.00

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 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.426	152	2423	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.205	136	6909	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.076	164	3760	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.816	188	8170m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.014	240	6276m	0.400	ng/ul	-0.03
23) Perylene-d12	23.110	264	6908m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.033	96	10254	3.085	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.833	152	2008	0.216	ng/ul	-0.03
18) Fluoranthene-d10	18.849	212	4552	0.242	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.249	128	1387	0.072	ng/ul#	85
7) 2-Methylnaphthalene	11.910	142	475	0.044	ng/ul	92
8) 1-Methylnaphthalene	12.119	142	430	0.036	ng/ul	95
10) Acenaphthylene	13.790	152	4332	0.243	ng/ul	98
11) Acenaphthene	14.137	153	2165	0.168	ng/ul	99
12) Fluorene	15.127	166	2912	0.211	ng/ul	99
15) Phenanthrene	16.854	178	70632m	3.077	ng/ul	
16) Anthracene	16.947	178	13093m	0.766	ng/ul	
19) Fluoranthene	18.877	202	146049	5.375	ng/ul	98
20) Pyrene	19.239	202	106042	3.608	ng/ul	98
21) Benzo(a)anthracene	21.000	228	61331m	2.530	ng/ul	
22) Chrysene	21.052	228	61790	1.997	ng/ul	99
24) Benzo(b)fluoranthene	22.493	252	87930m	3.533	ng/ul	
25) Benzo(k)fluoranthene	22.528	252	31278m	1.057	ng/ul	
26) Benzo(a)pyrene	23.016	252	35552	1.542	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	25.158	276	32341	0.857	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.158	278	9883	0.352	ng/ul	97
29) Benzo(g,h,i)perylene	25.779	276	5415	0.167	ng/ul#	85

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

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