

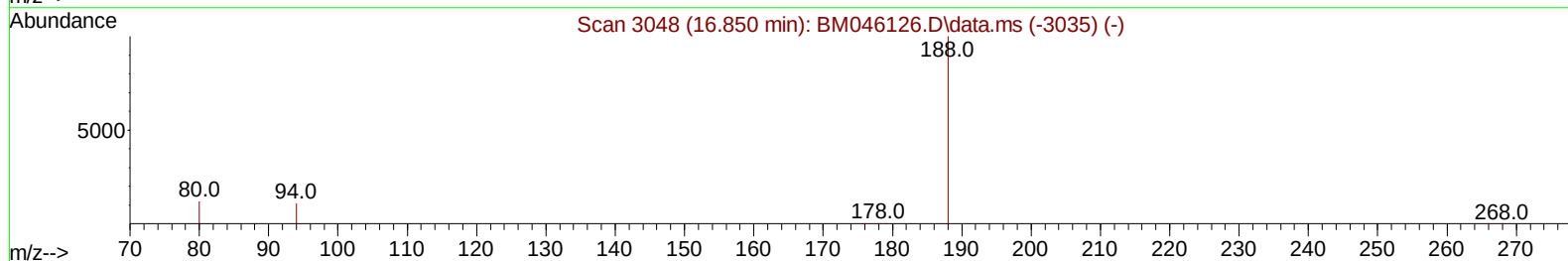
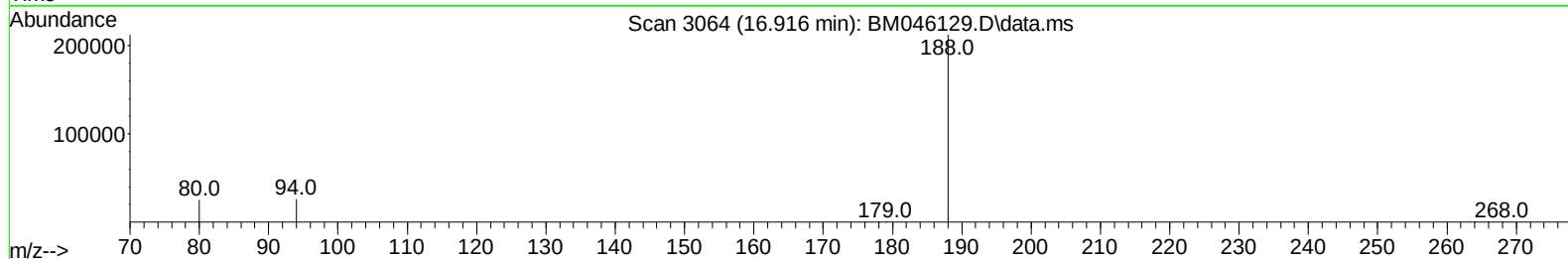
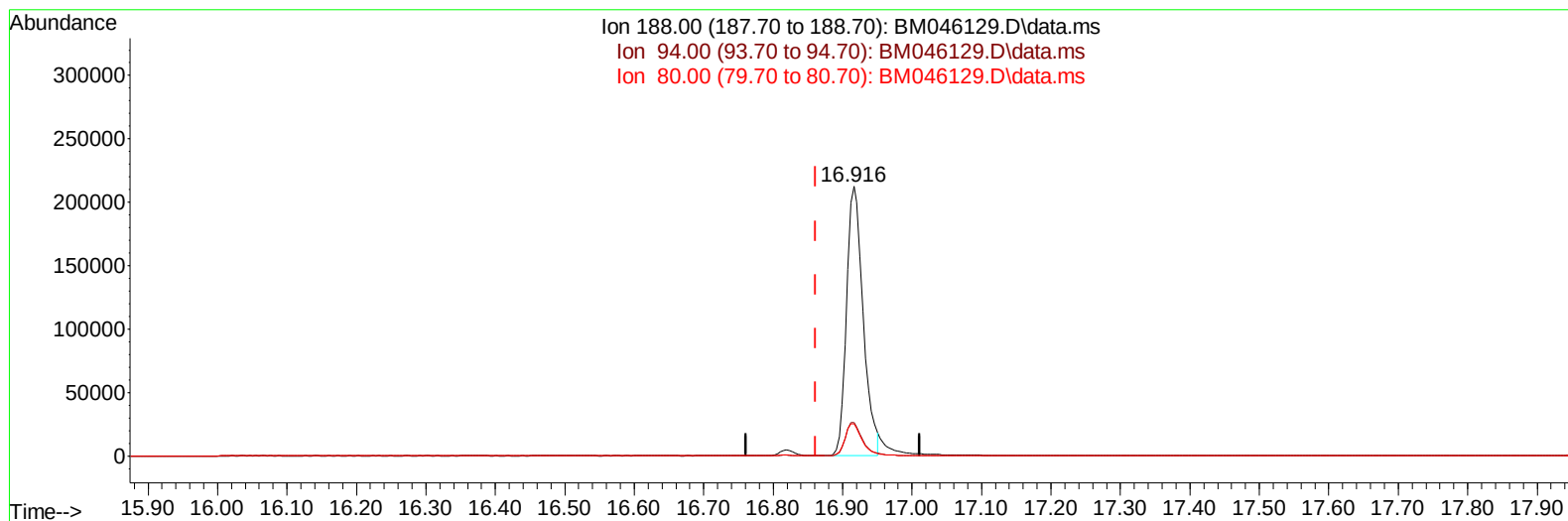
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 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: BM046129.D\data.ms

(13) Phenanthrene-d10 (I)

16.916min (+ 0.055) 0.40 ng/u1

response 351068

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.33
80.00	15.20	11.81#
0.00	0.00	0.00

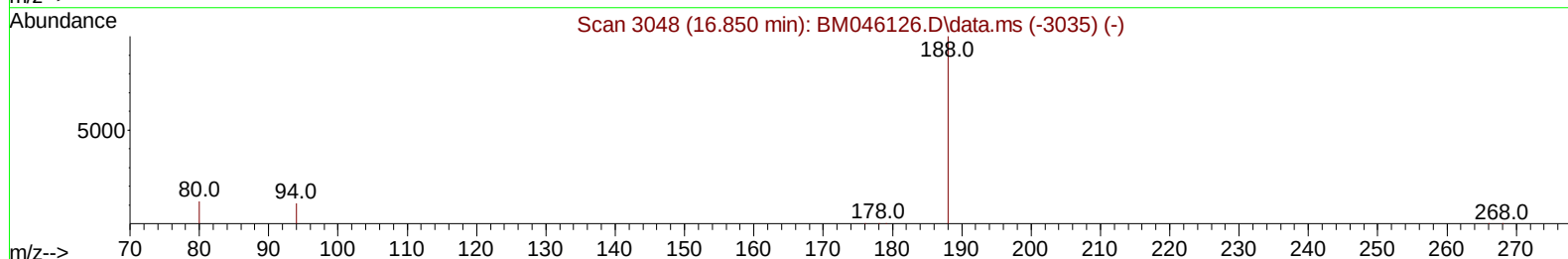
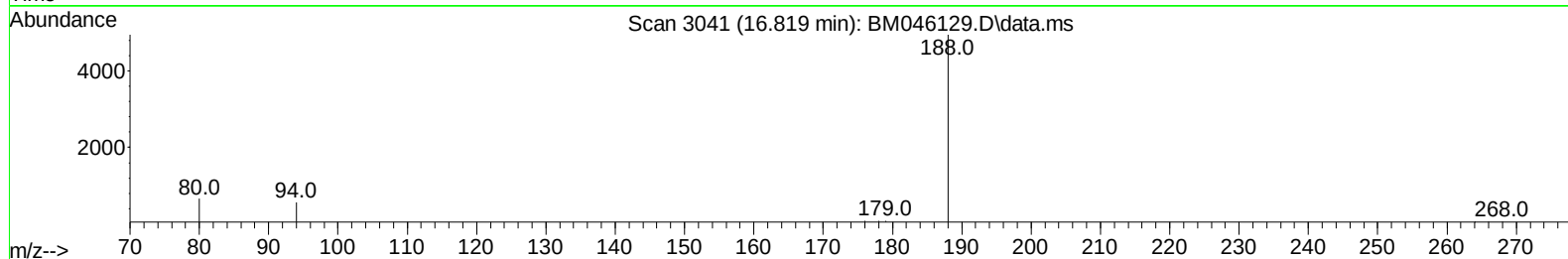
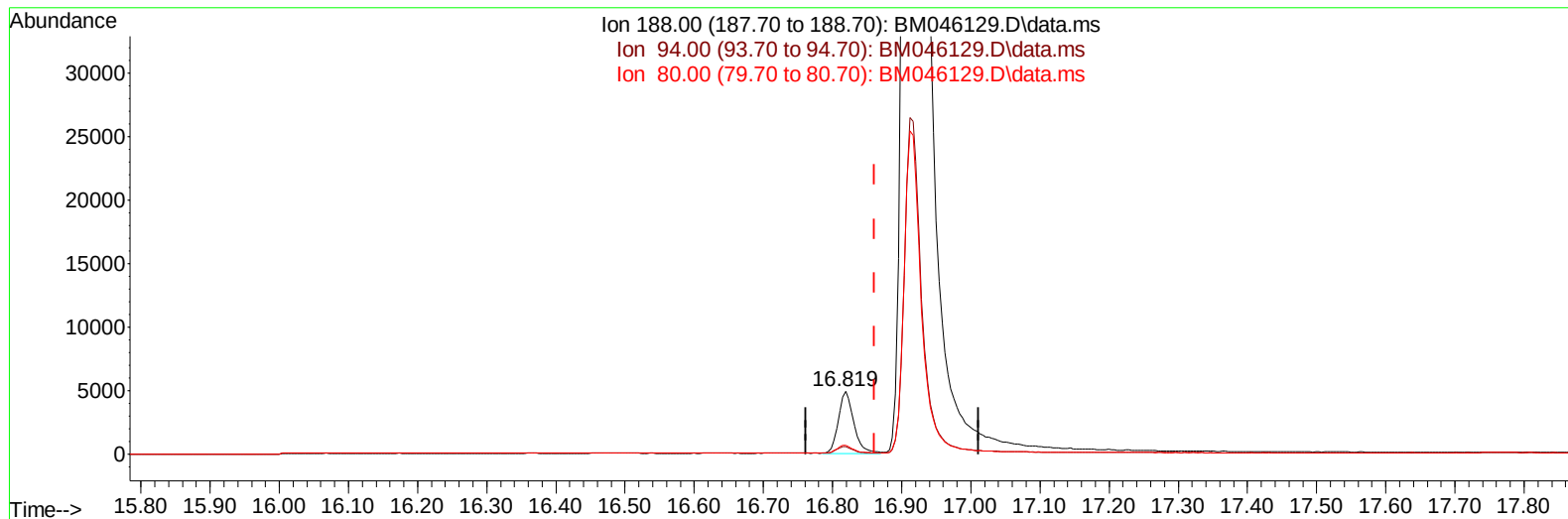
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 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
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Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046129.D\data.ms

(13) Phenanthrene-d10 (I)

16.819min (-0.042) 0.40 ng/ul m

response 7655

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.56
80.00	15.20	13.44
0.00	0.00	0.00

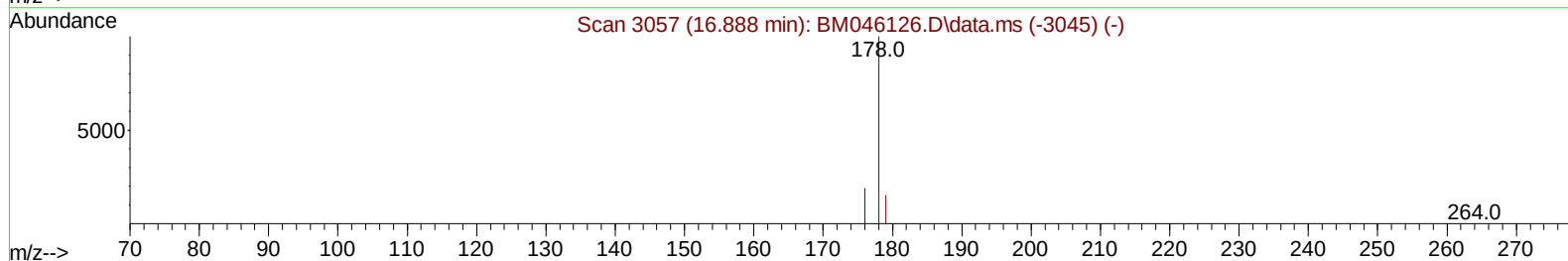
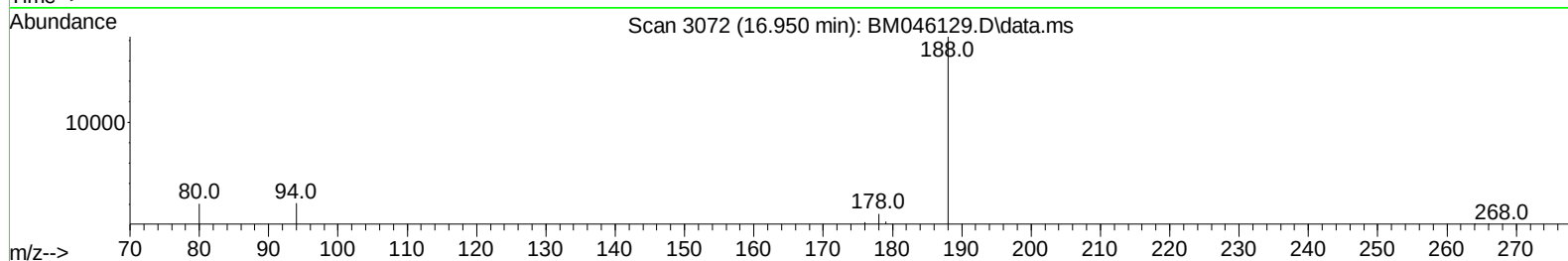
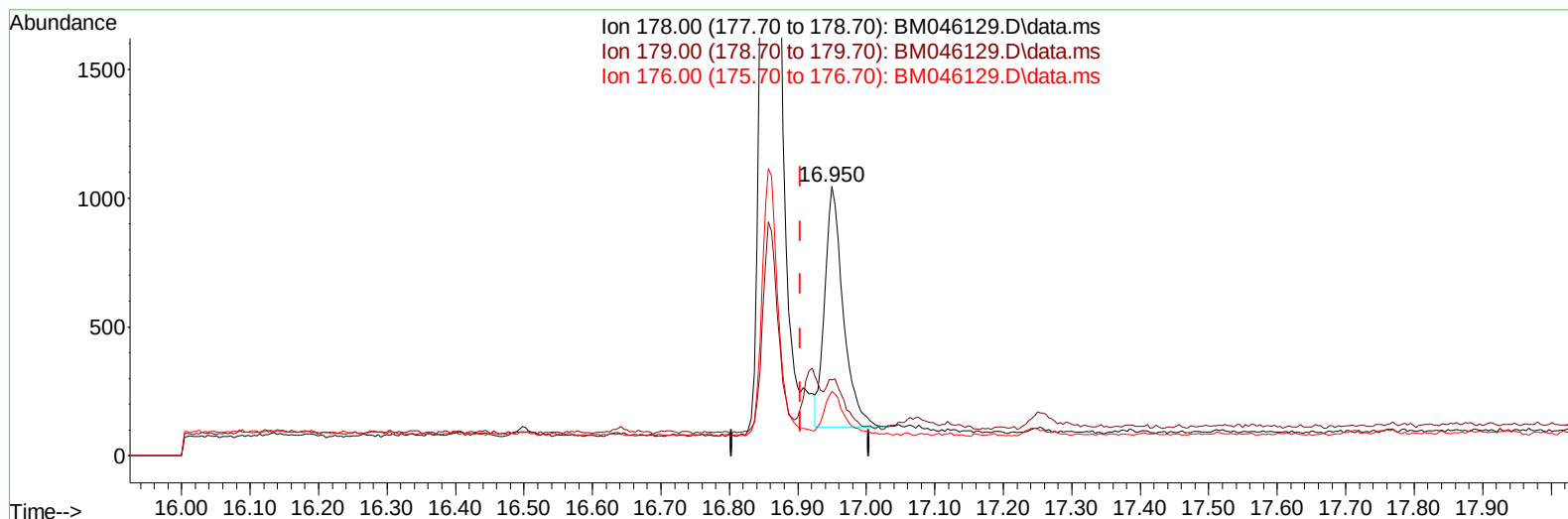
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046129.D\data.ms

(15) Phenanthrene

16.950min (+ 0.046) 0.08 ng/u1

response 1738

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	28.23#
176.00	21.40	23.92
0.00	0.00	0.00

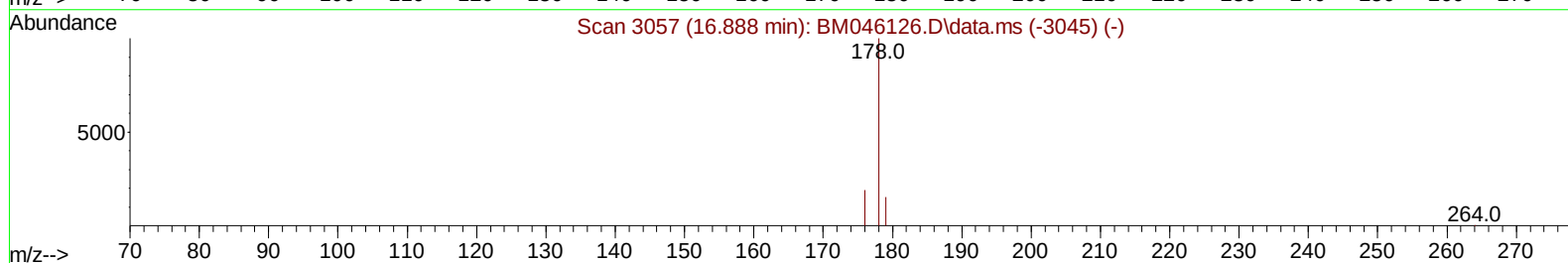
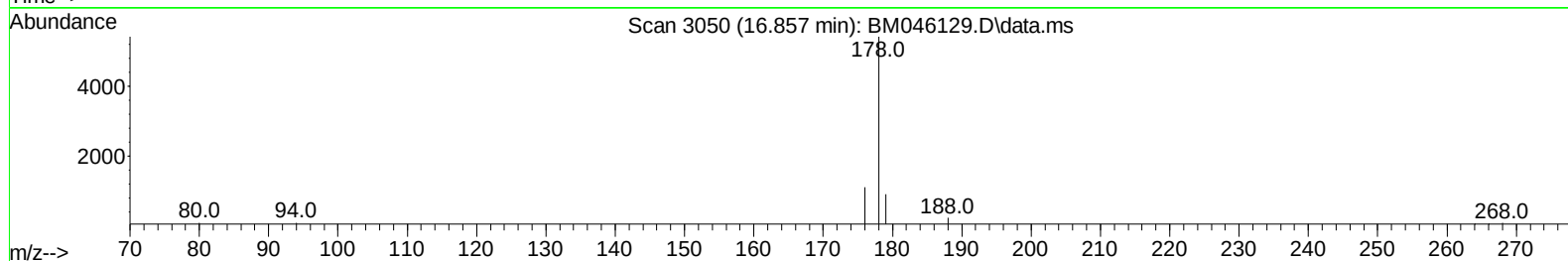
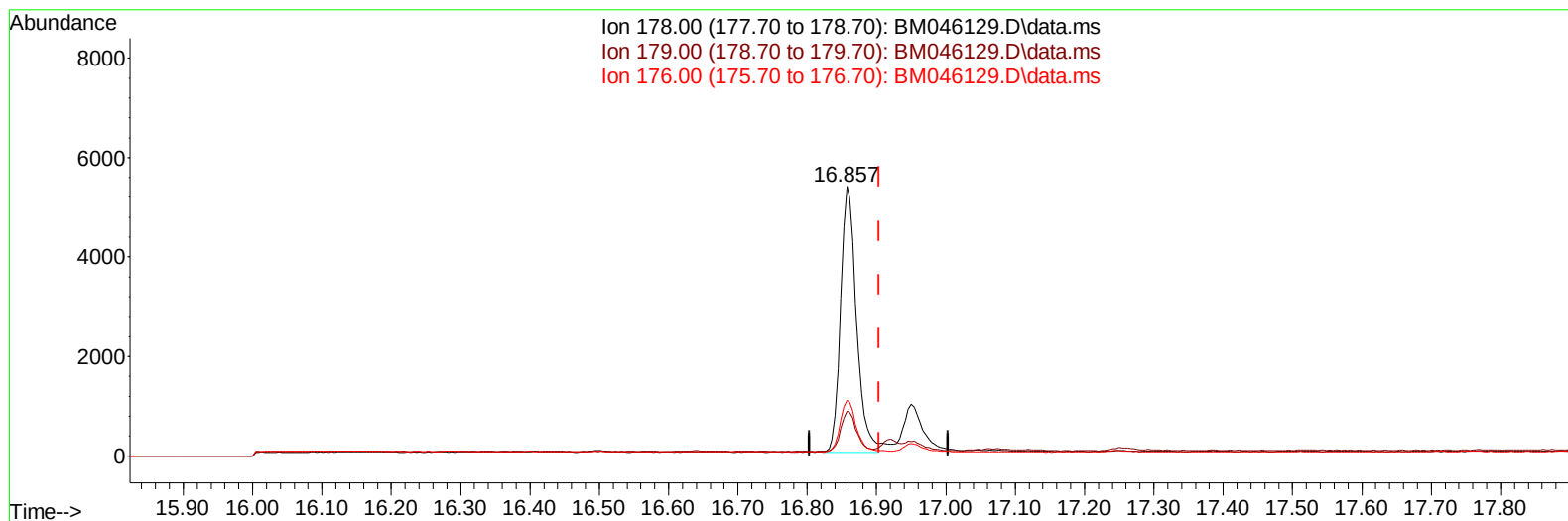
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM046129.D\data.ms

(15) Phenanthrene

16.857min (-0.047) 0.39 ng/ul m

response 8481

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.76
176.00	21.40	20.58
0.00	0.00	0.00

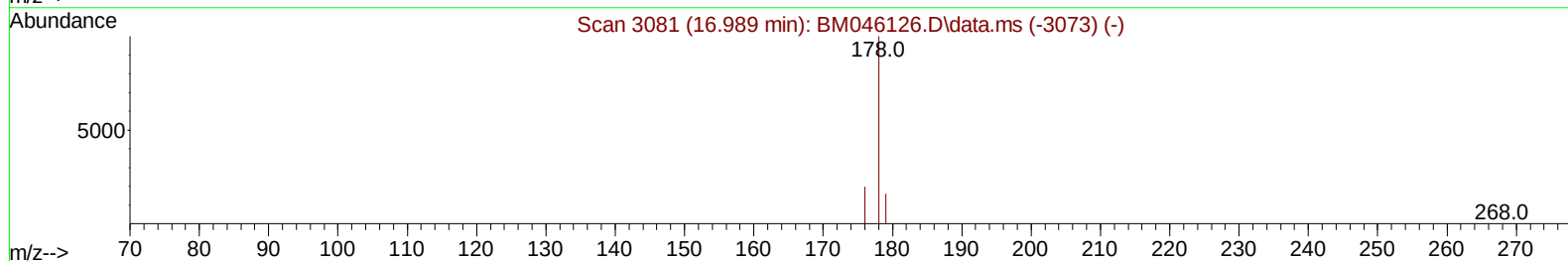
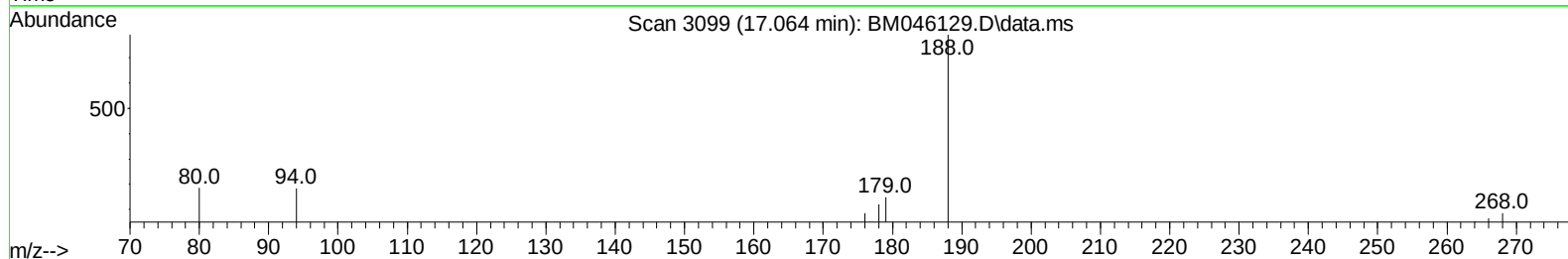
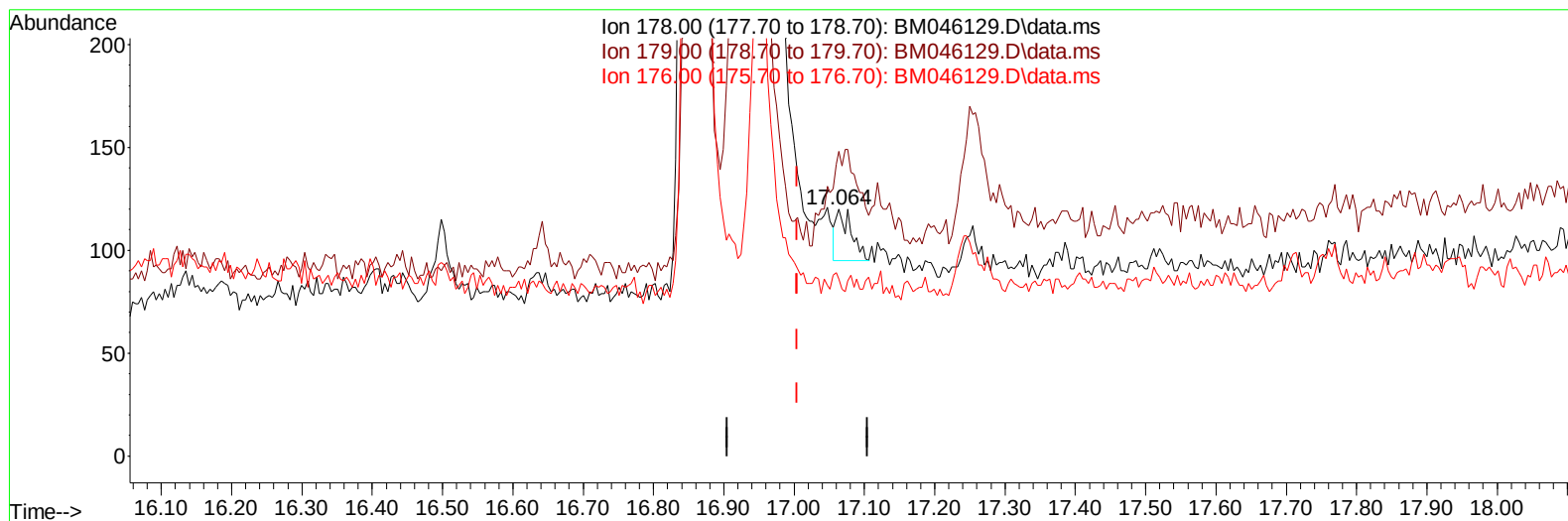
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 2024
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TIC: BM046129.D\data.ms

(16) Anthracene

17.064min (+ 0.059) 0.00 ng/u1

response 37

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	123.33#
176.00	21.20	71.67#
0.00	0.00	0.00

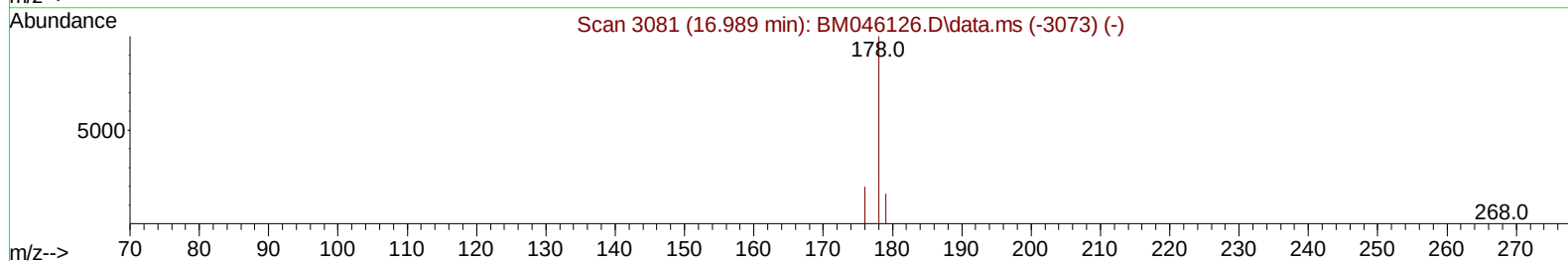
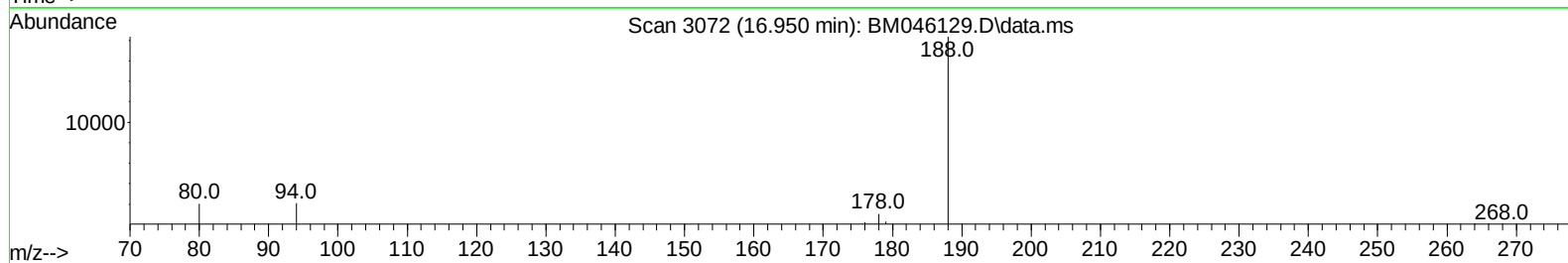
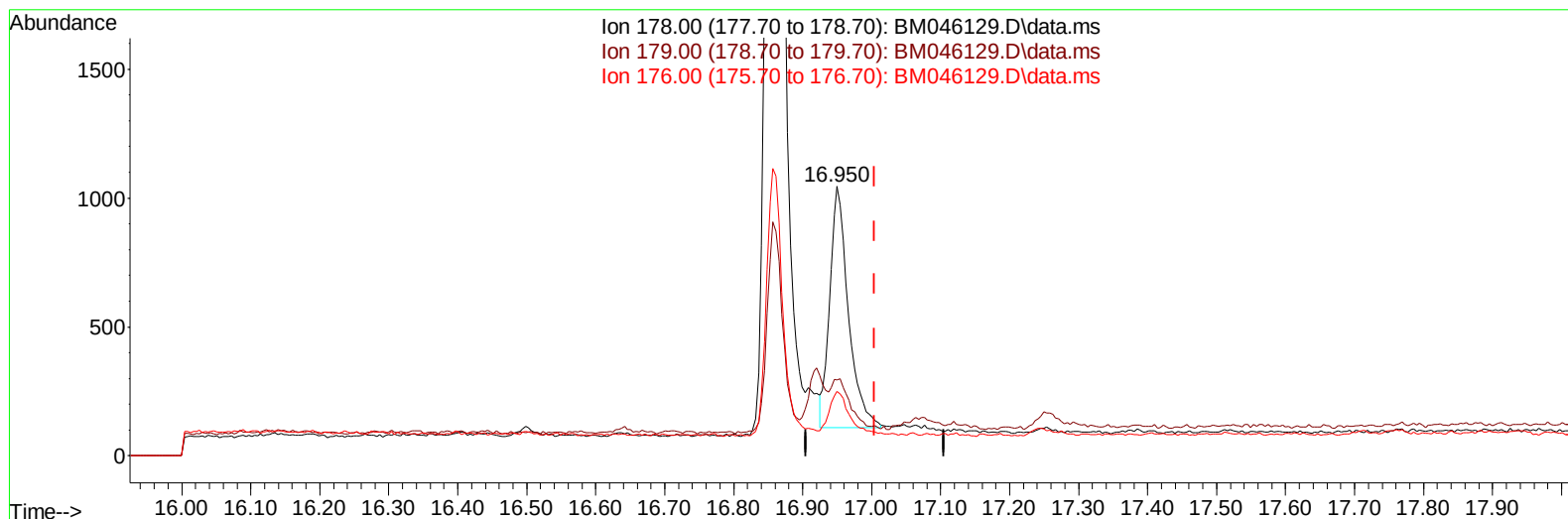
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 18 13:58:29 2024
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TIC: BM046129.D\data.ms

(16) Anthracene

16.950min (-0.055) 0.11 ng/ul m

response 1751

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	28.23#
176.00	21.20	23.92
0.00	0.00	0.00

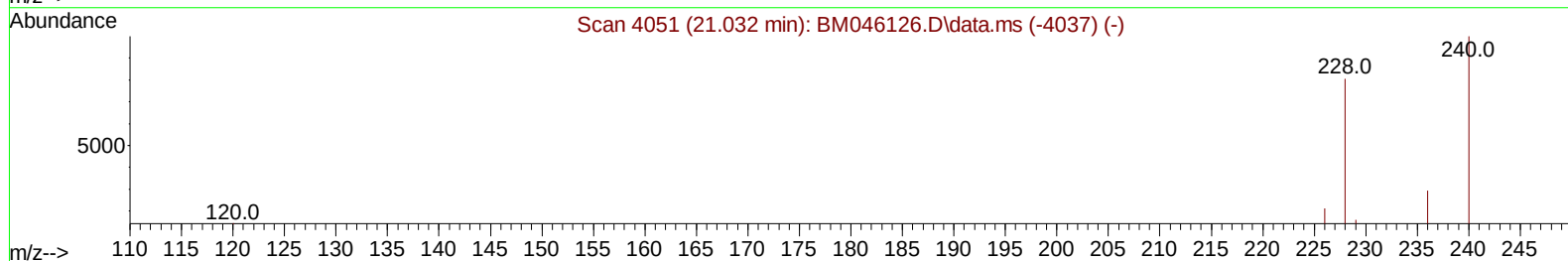
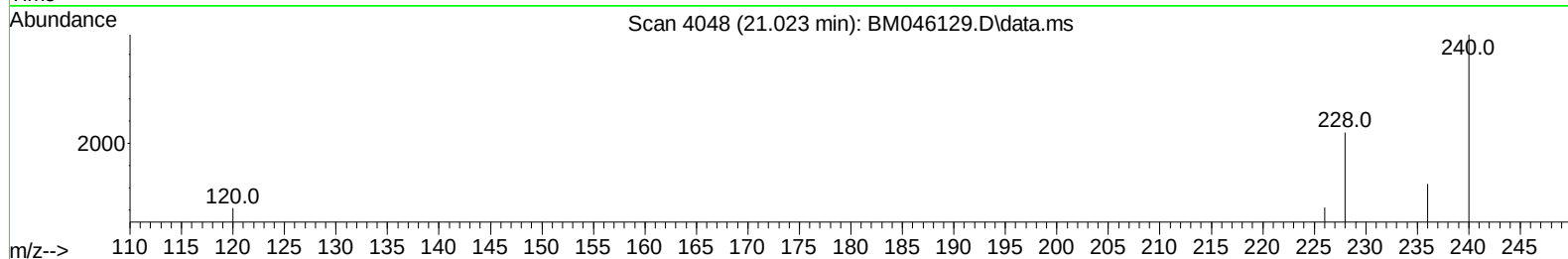
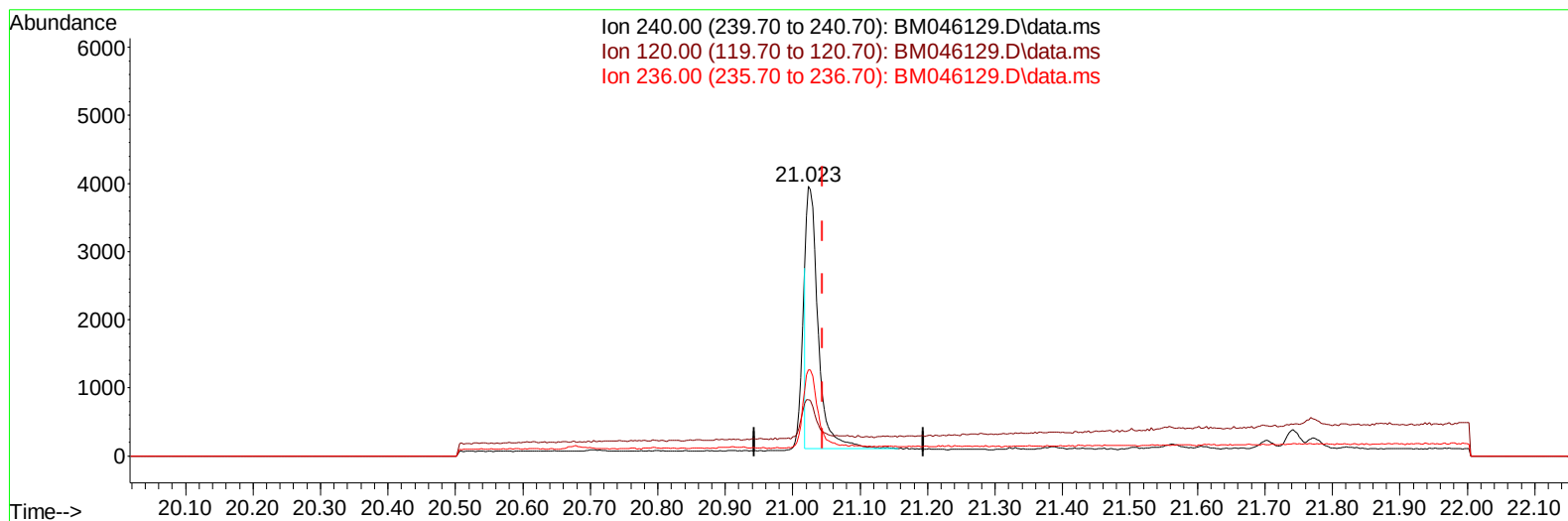
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

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TIC: BM046129.D\data.ms

(17) Chrysene-d12

21.023min (-0.021) 0.40 ng/u1

response 4698

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.98
236.00	33.60	31.93
0.00	0.00	0.00

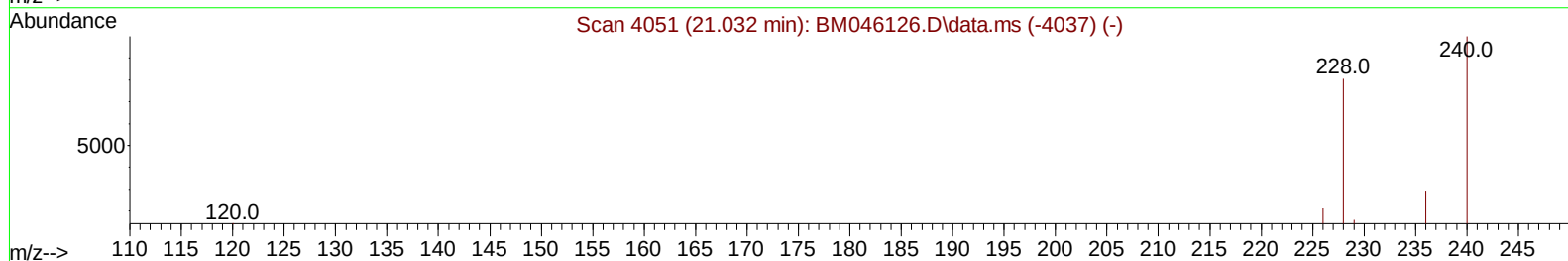
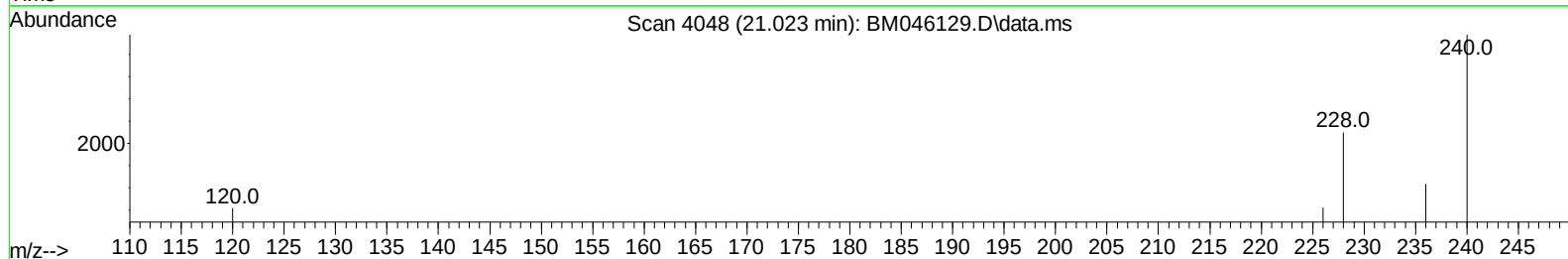
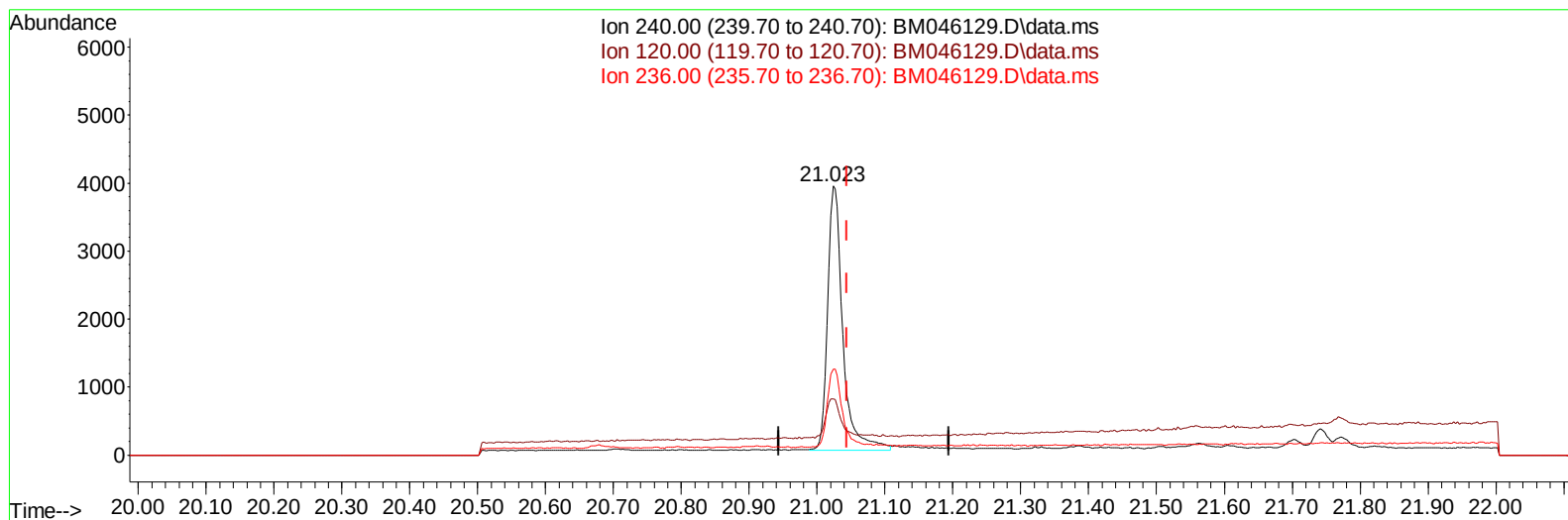
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 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: BM046129.D\data.ms

(17) Chrysene-d12

21.023min (-0.021) 0.40 ng/ul m

response 6052

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	20.98
236.00	33.60	31.93
0.00	0.00	0.00

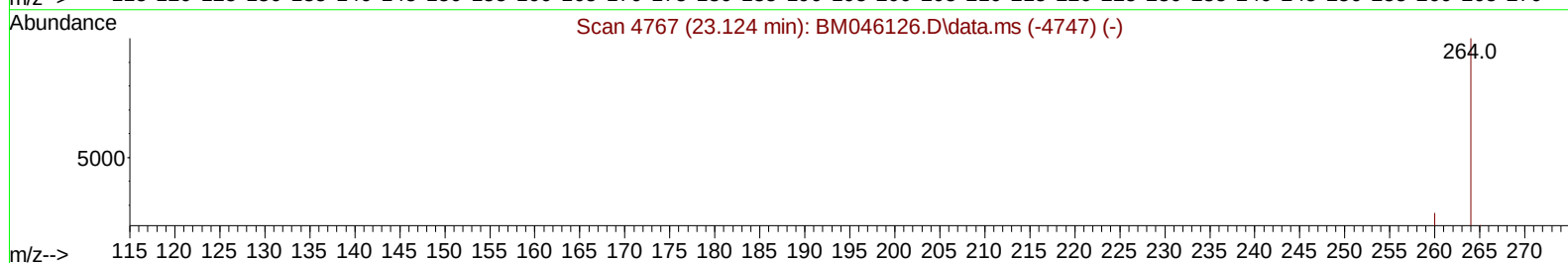
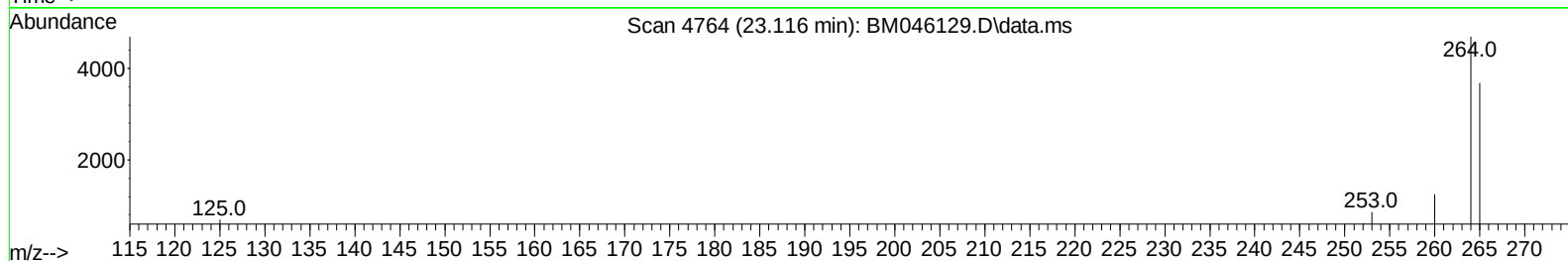
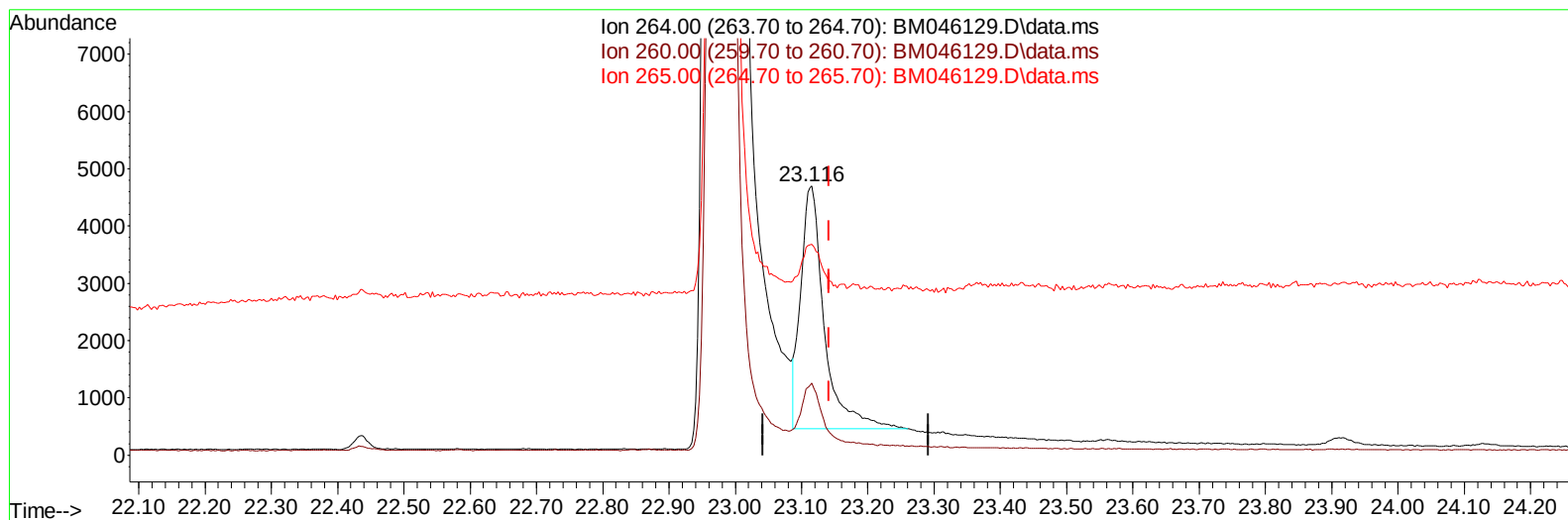
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 2024
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TIC: BM046129.D\data.ms

(23) Perylene-d12 (I)

23.116min (-0.026) 0.40 ng/u1

response 10422

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.72
265.00	110.60	78.32#
0.00	0.00	0.00

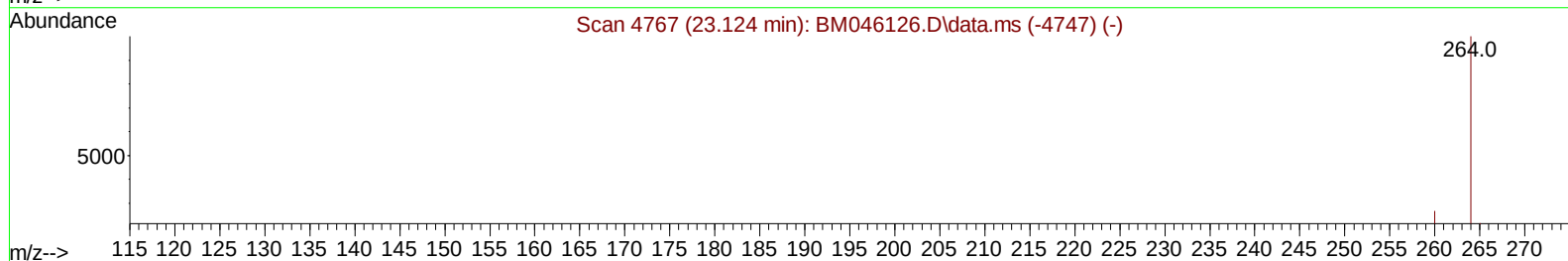
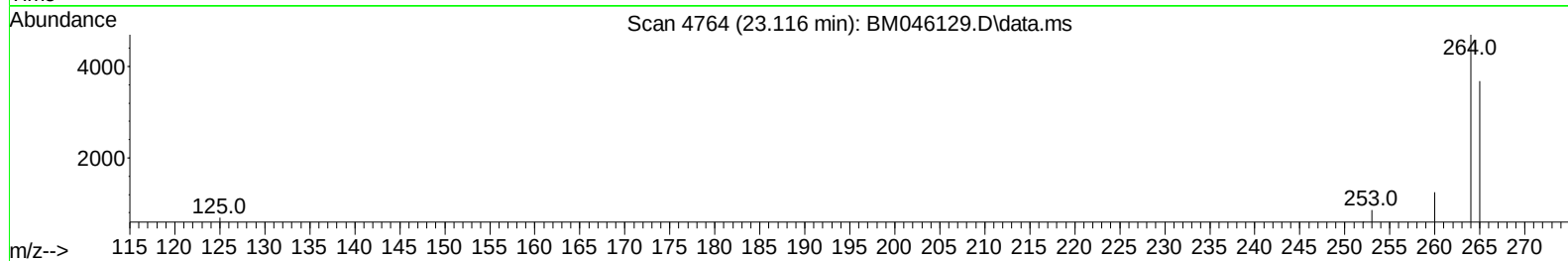
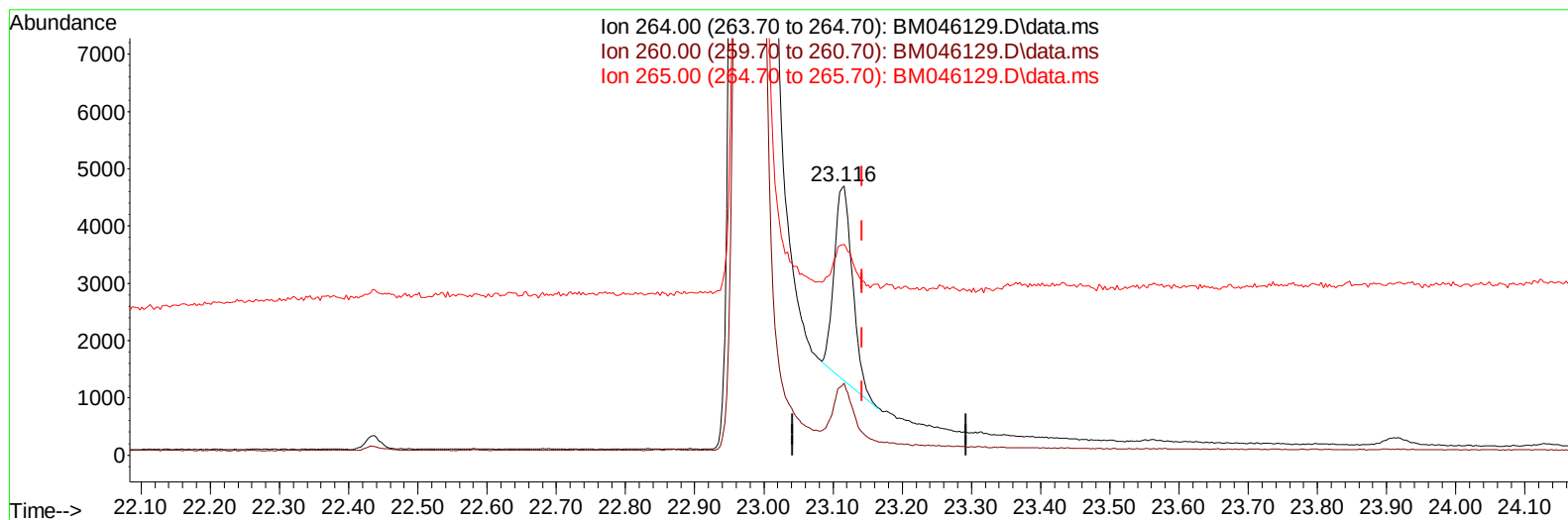
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046129.D\data.ms

(23) Perylene-d12 (I)

23.116min (-0.026) 0.40 ng/ul m

response 6193

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.72
265.00	110.60	78.32#
0.00	0.00	0.00

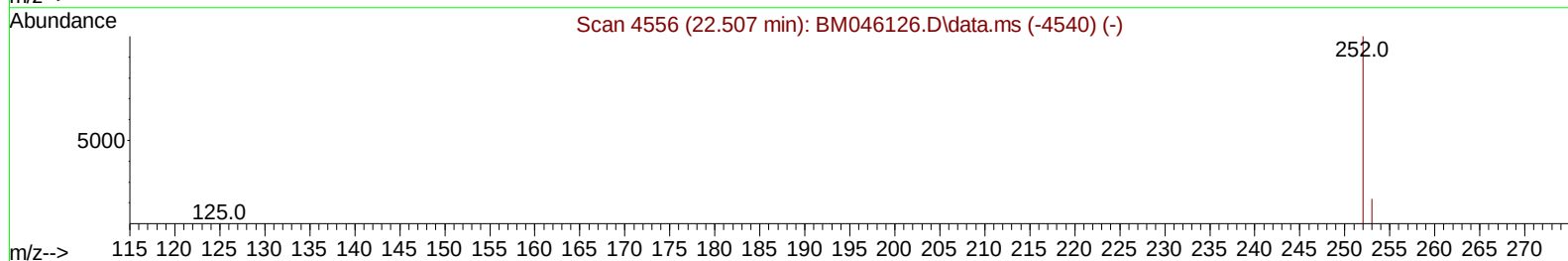
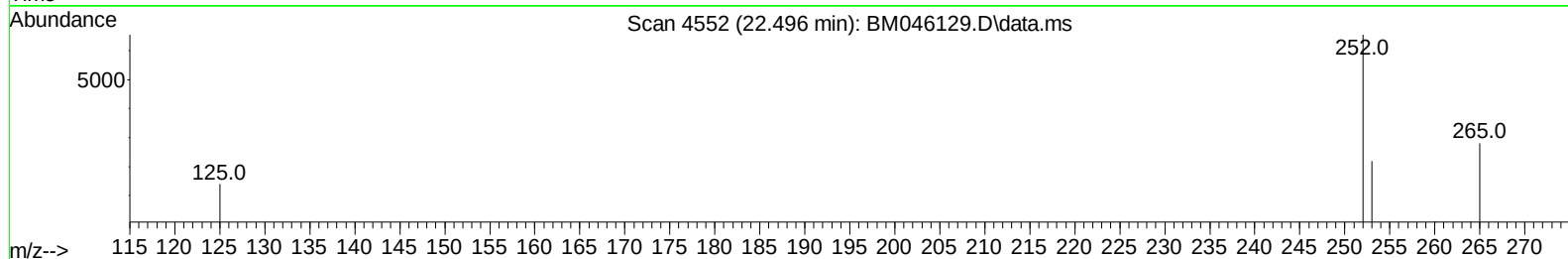
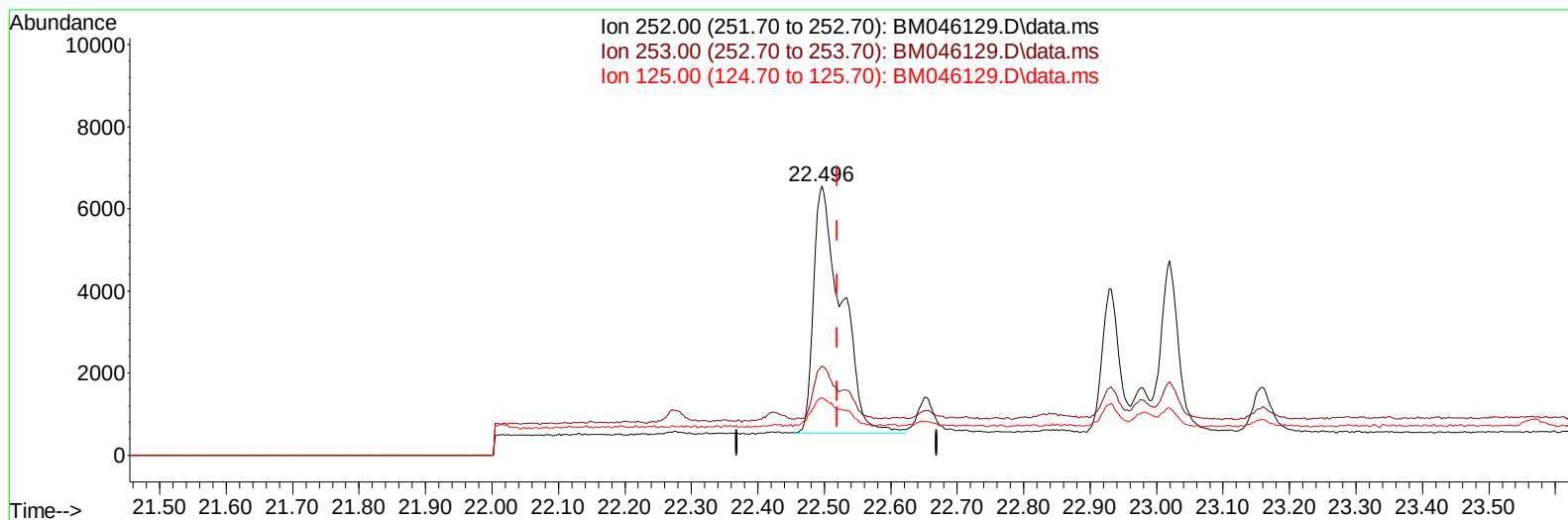
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

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TIC: BM046129.D\data.ms

(24) Benzo(b)fluoranthene

22.496min (-0.023) 0.78 ng/u1

response 17510

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	33.26
125.00	20.10	21.27
0.00	0.00	0.00

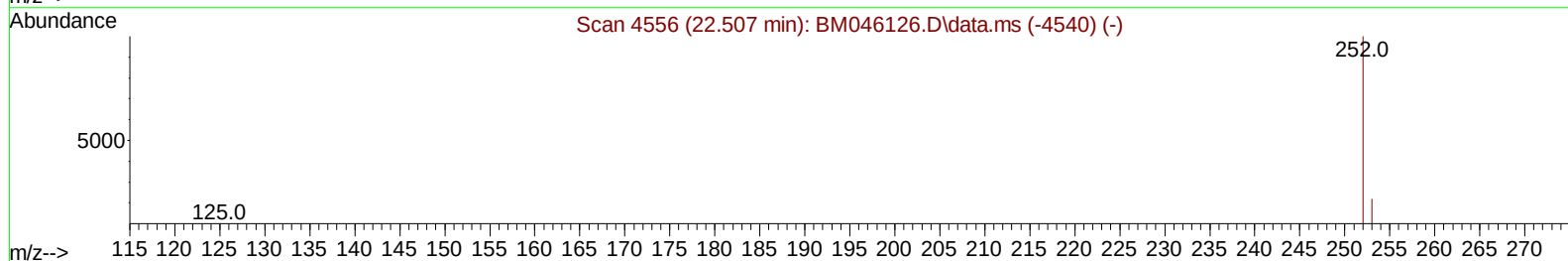
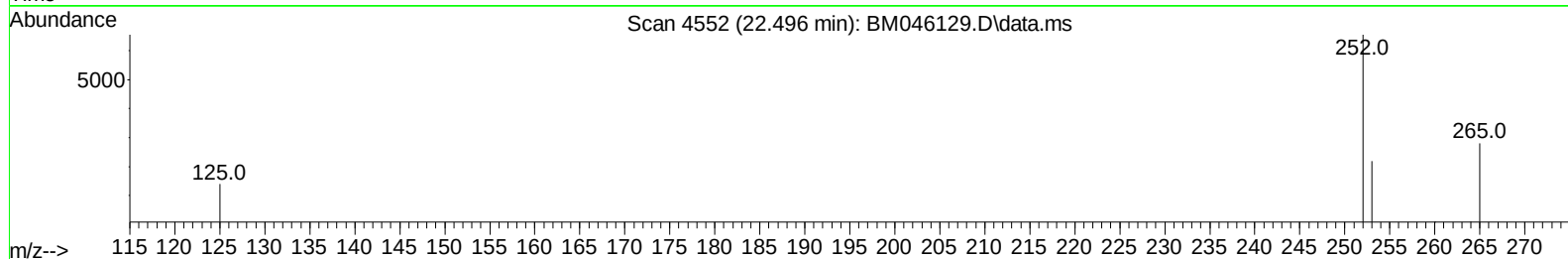
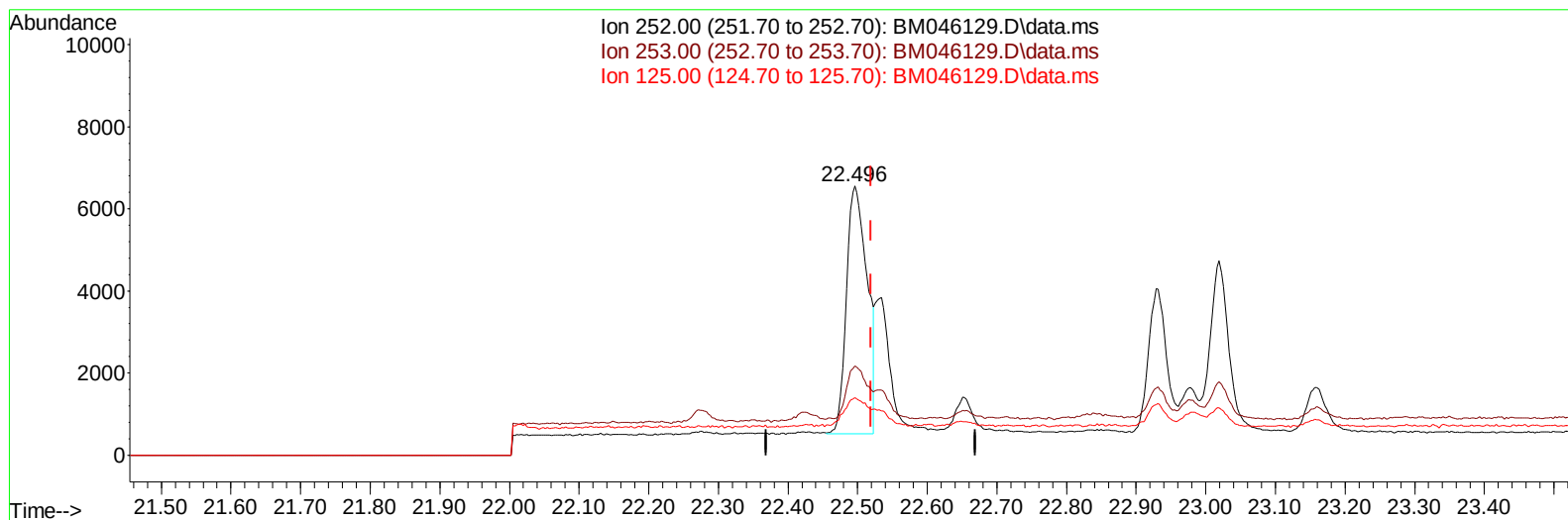
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

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TIC: BM046129.D\data.ms

(24) Benzo(b)fluoranthene

22.496min (-0.023) 0.56 ng/u1 m

response 12405

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	33.26
125.00	20.10	21.27
0.00	0.00	0.00

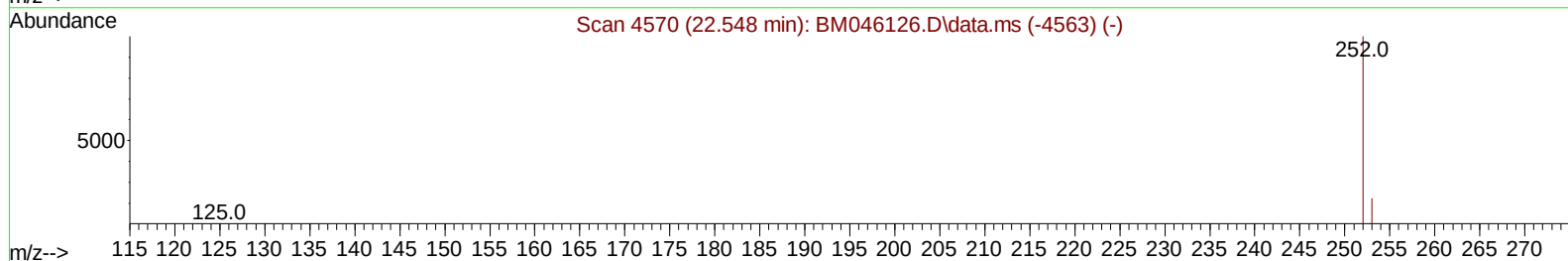
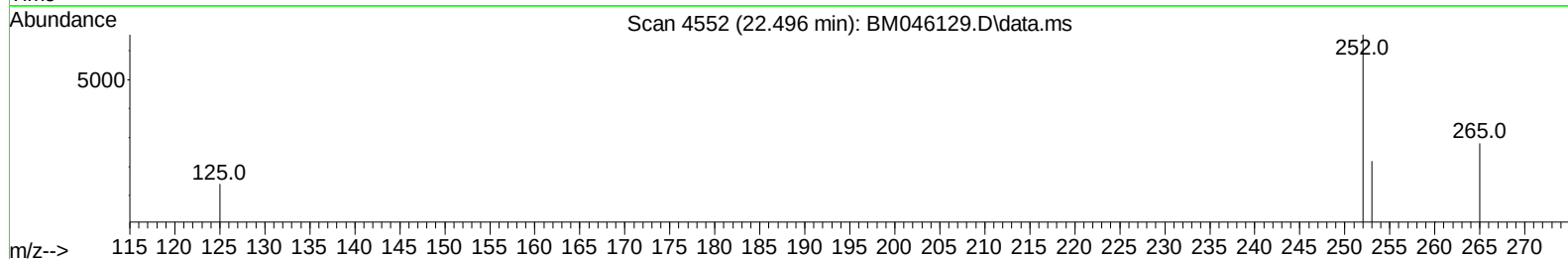
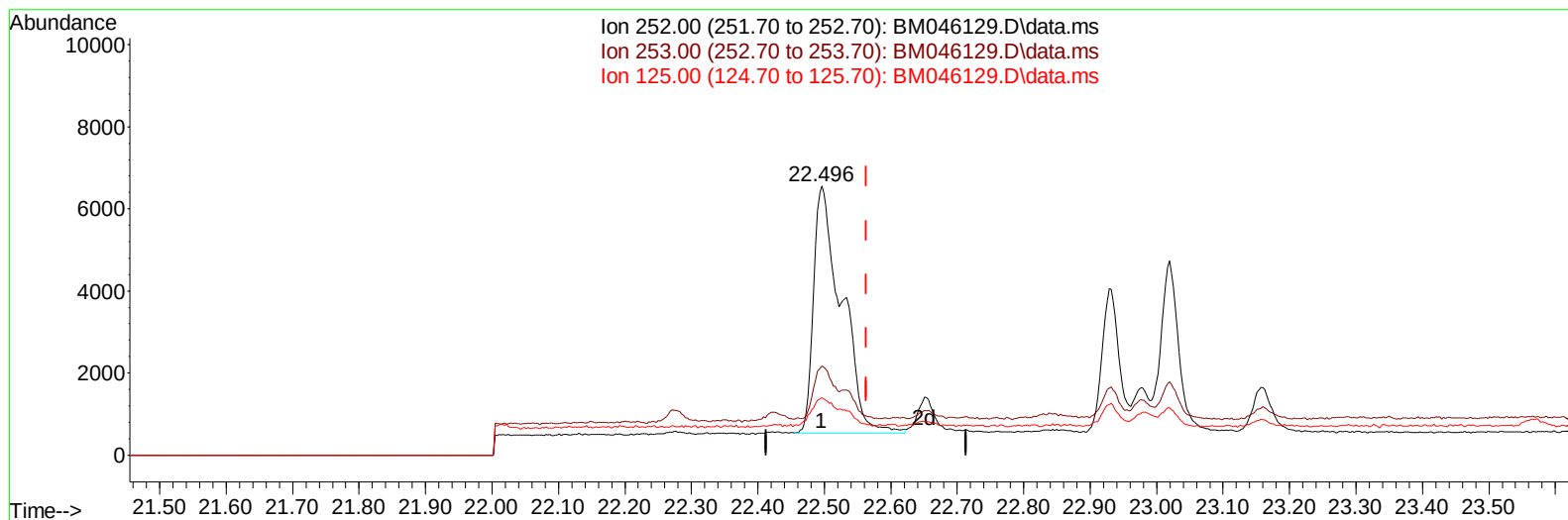
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

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TIC: BM046129.D\data.ms

(25) Benzo(k)fluoranthene

22.496min (-0.067) 0.66 ng/u1

response 17510

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	33.26
125.00	20.80	21.27
0.00	0.00	0.00

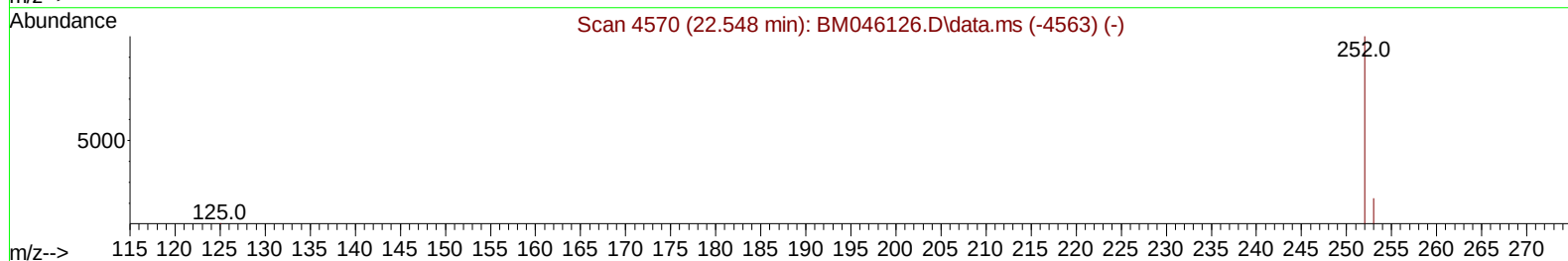
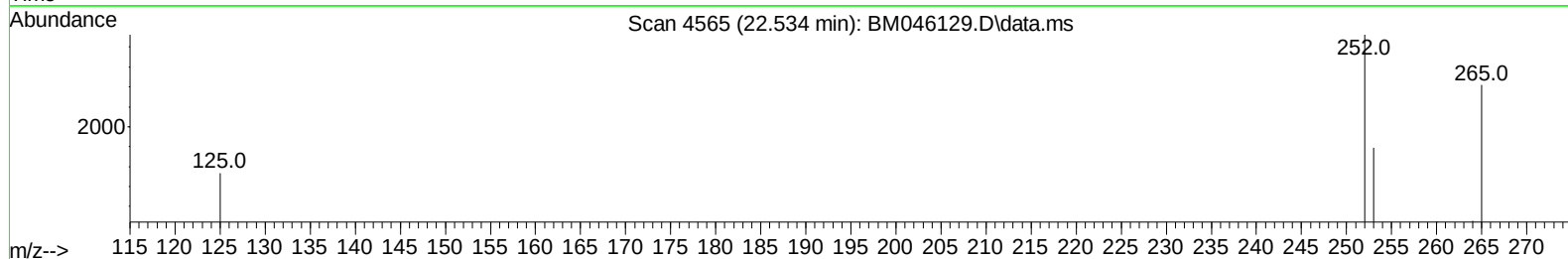
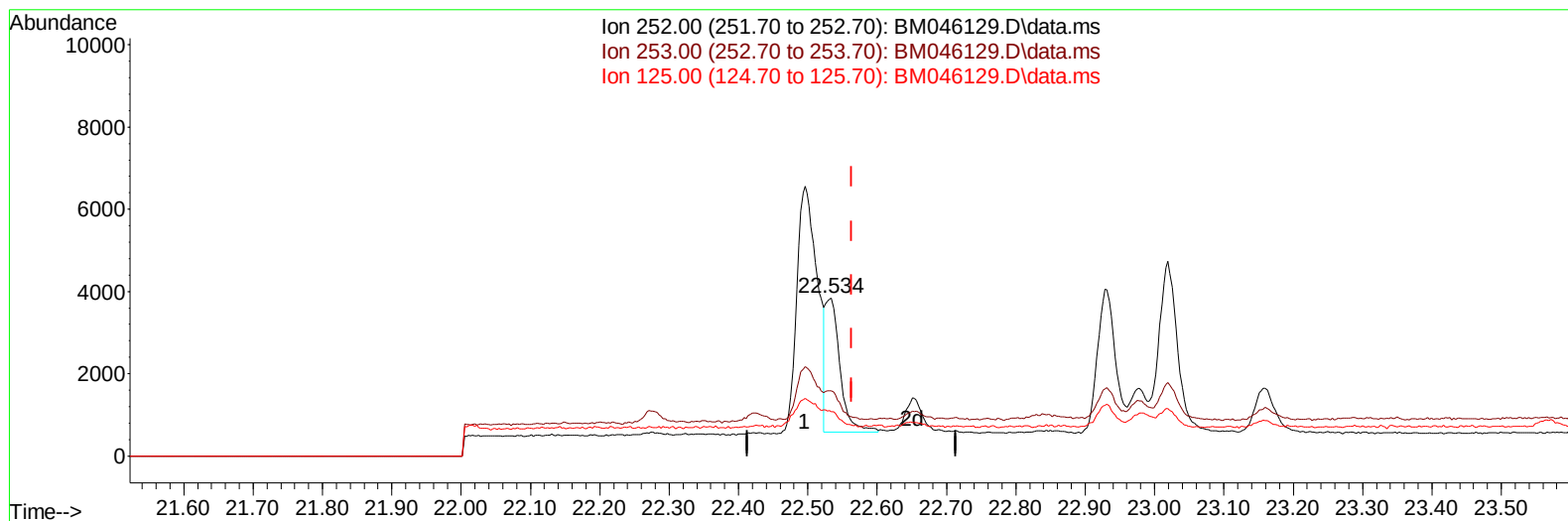
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046129.D
Acq On : 20 Jun 2024 18:47
Operator : MA/JU
Sample : P2710-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B21

Manual IntegrationsAPPROVED

Quant Time: Jun 21 02:48:22 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: BM046129.D\data.ms

(25) Benzo(k)fluoranthene

22.534min (-0.029) 0.18 ng/ul m

response 4843

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	41.01#
125.00	20.80	27.75#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.426	152	2307	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.204	136	6766	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.075	164	3697	0.400	ng/ul	#-0.04
13) Phenanthrene-d10	16.819	188	7655m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.023	240	6052m	0.400	ng/ul	-0.02
23) Perylene-d12	23.116	264	6193m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.033	96	10949	3.459	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.837	152	2016	0.222	ng/ul	-0.03
18) Fluoranthene-d10	18.852	212	4366	0.241	ng/ul	-0.03
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.793	152	553	0.032	ng/ul#	53
11) Acenaphthene	14.140	153	314	0.025	ng/ul	95
12) Fluorene	15.130	166	373	0.027	ng/ul#	92
15) Phenanthrene	16.857	178	8481m	0.394	ng/ul	
16) Anthracene	16.950	178	1751m	0.109	ng/ul	
19) Fluoranthene	18.885	202	19344	0.738	ng/ul	97
20) Pyrene	19.242	202	17413	0.614	ng/ul	97
21) Benzo(a)anthracene	21.009	228	8260	0.353	ng/ul	97
22) Chrysene	21.061	228	7953	0.267	ng/ul	98
24) Benzo(b)fluoranthene	22.496	252	12405m	0.556	ng/ul	
25) Benzo(k)fluoranthene	22.534	252	4843m	0.183	ng/ul	
26) Benzo(a)pyrene	23.019	252	7633	0.369	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.172	276	6358	0.188	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.175	278	1435	0.057	ng/ul#	35
29) Benzo(g,h,i)perylene	25.799	276	6773	0.233	ng/ul	93

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

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