

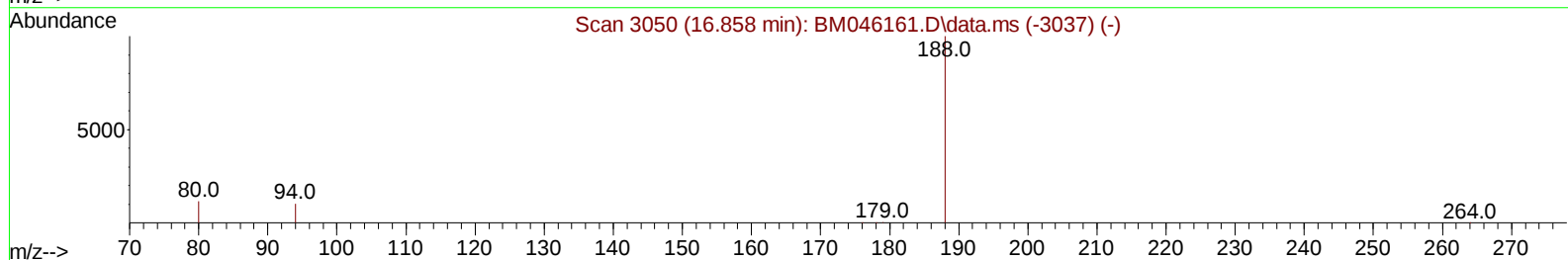
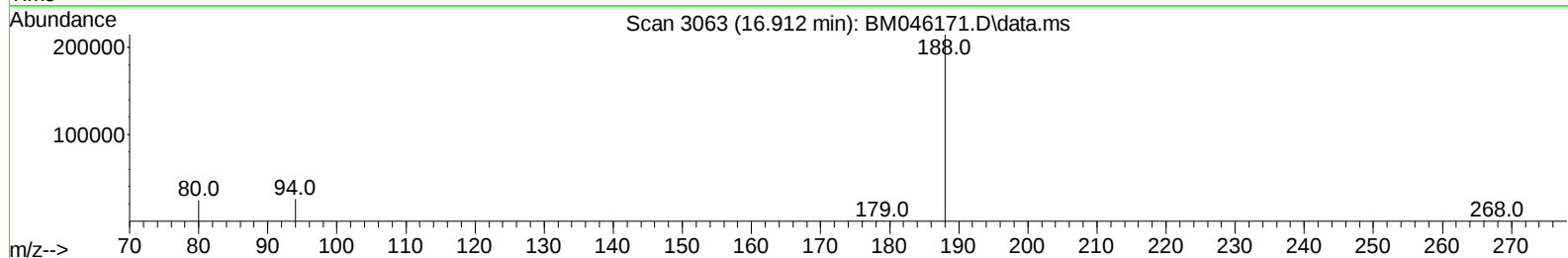
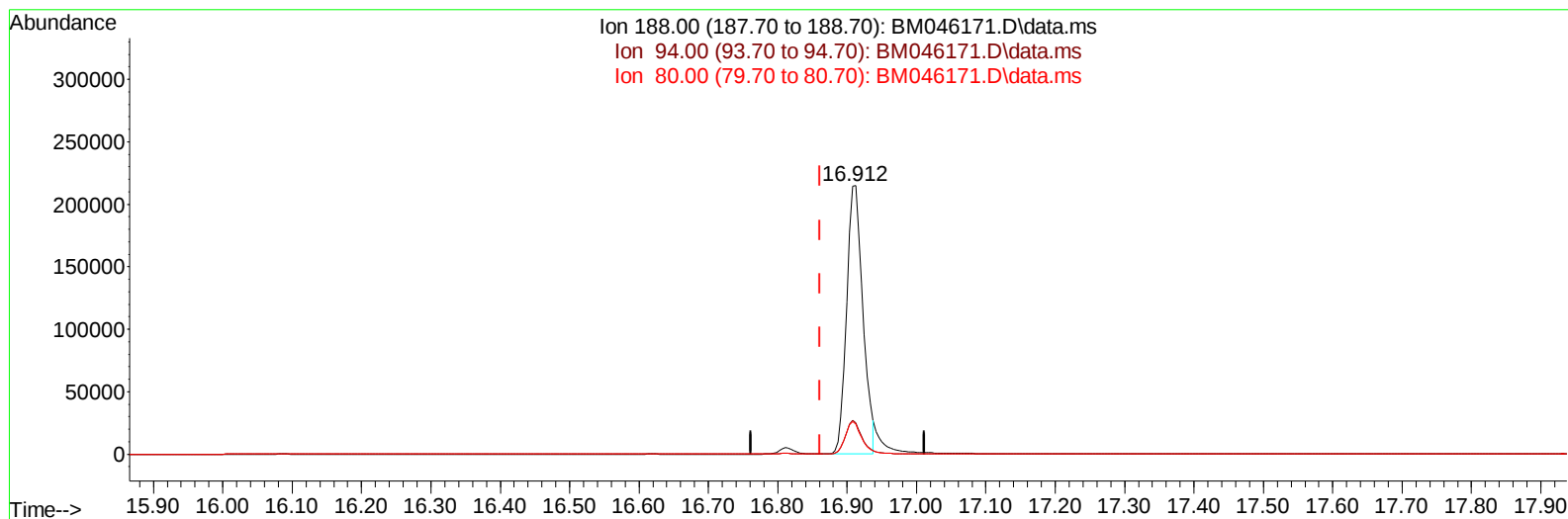
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:25 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046171.D\data.ms

(13) Phenanthrene-d10 (I)

16.912min (+ 0.051) 0.40 ng/u1

response 349908

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.80
80.00	15.20	11.14#
0.00	0.00	0.00

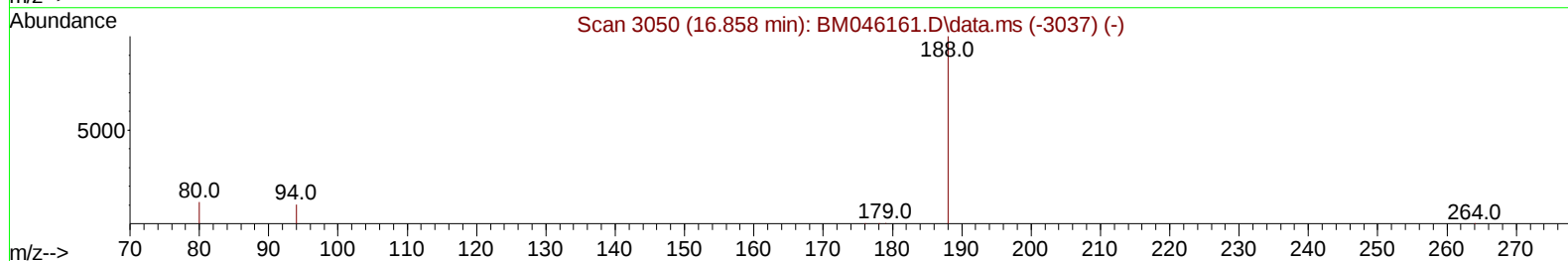
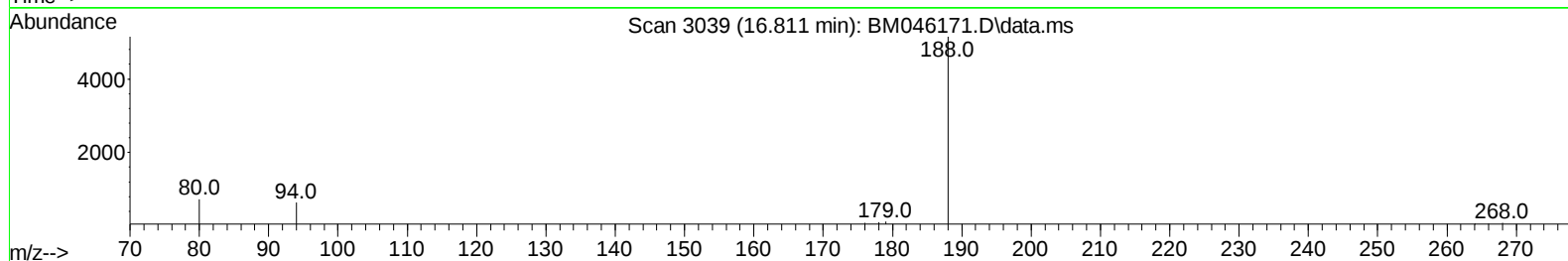
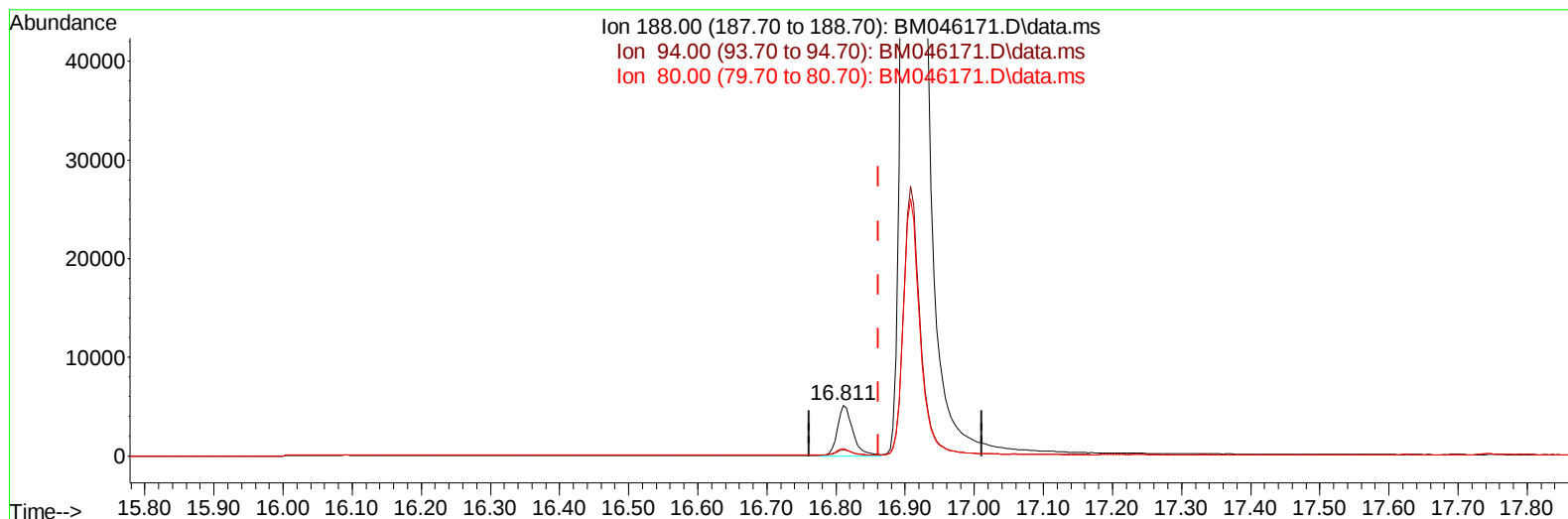
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

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QLast Update : Tue Jun 18 13:58:29 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046171.D\data.ms

(13) Phenanthrene-d10 (I)

16.811min (-0.051) 0.40 ng/ul m

response 8020

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.27
80.00	15.20	14.10
0.00	0.00	0.00

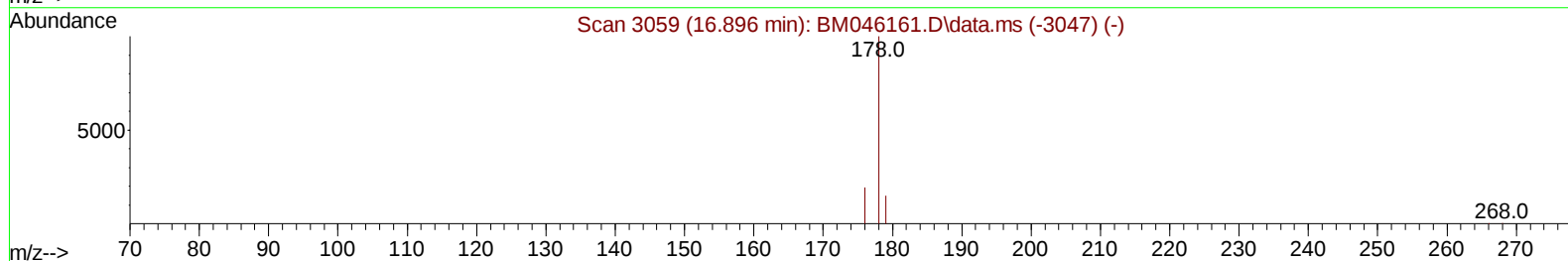
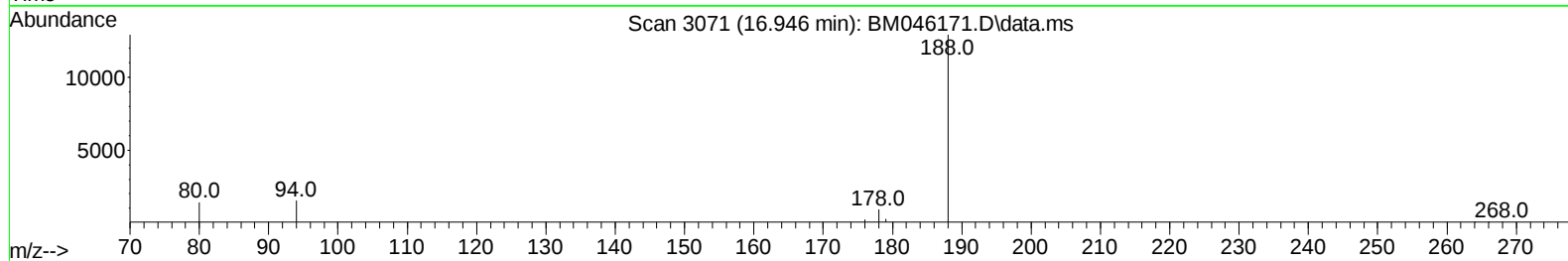
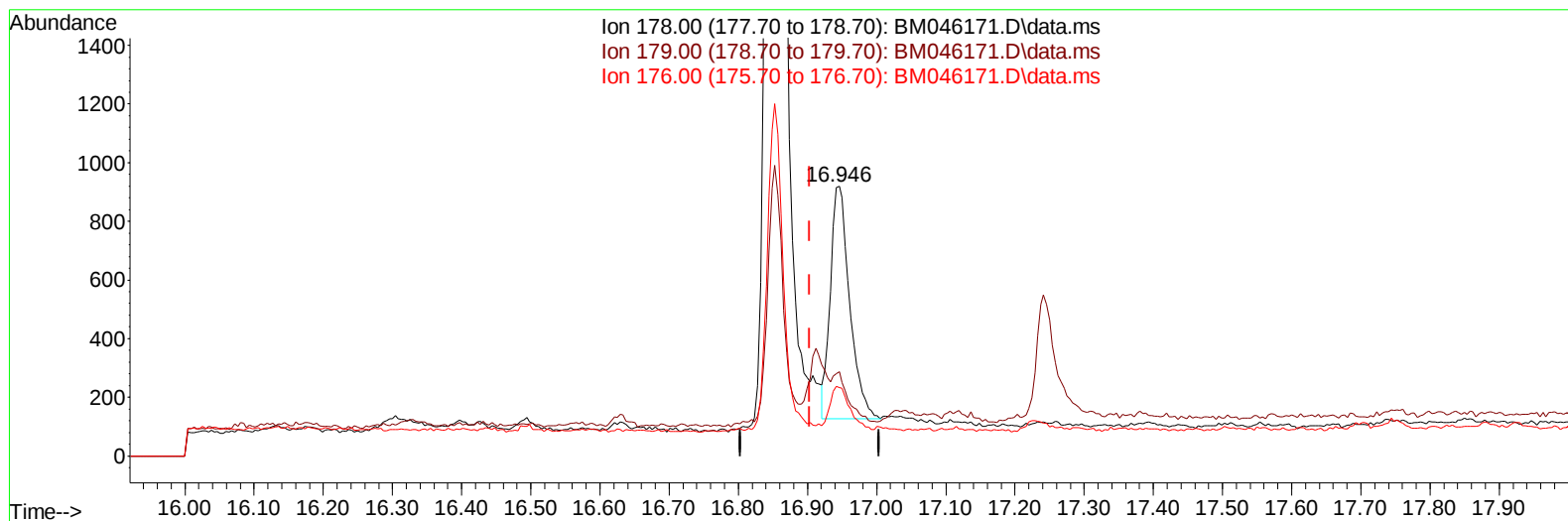
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

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TIC: BM046171.D\data.ms

(15) Phenanthrene

16.946min (+ 0.042) 0.07 ng/u1

response 1534

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	31.12#
176.00	21.40	25.24
0.00	0.00	0.00

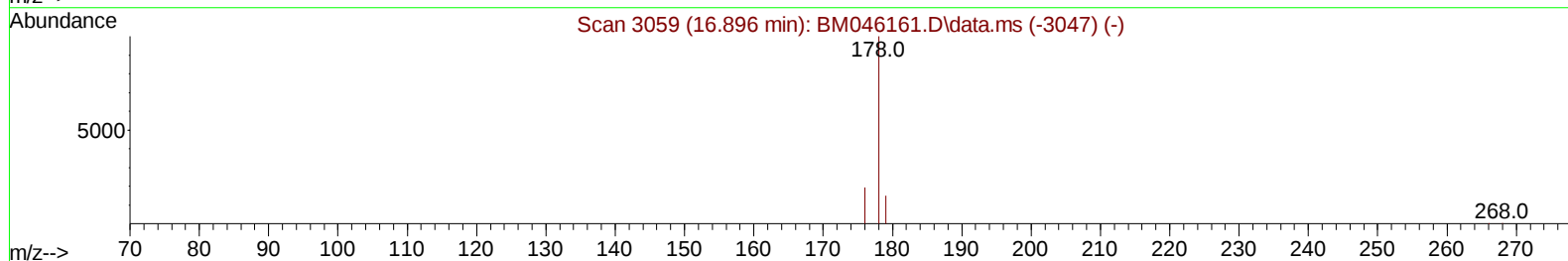
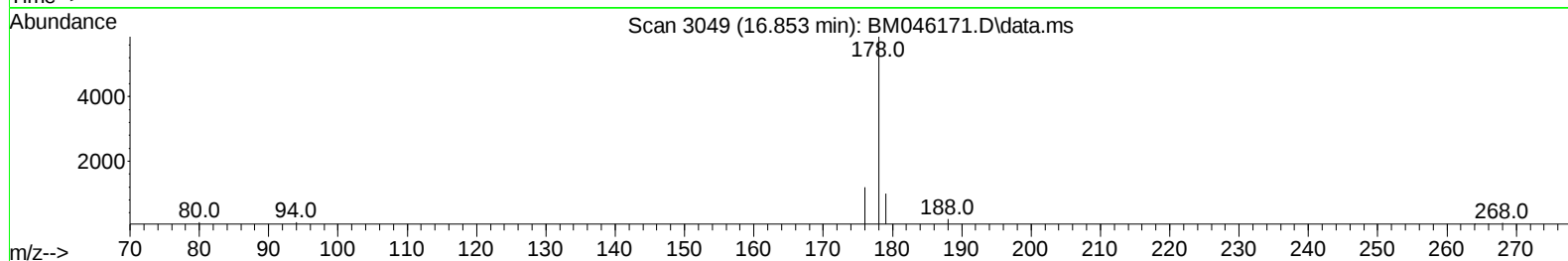
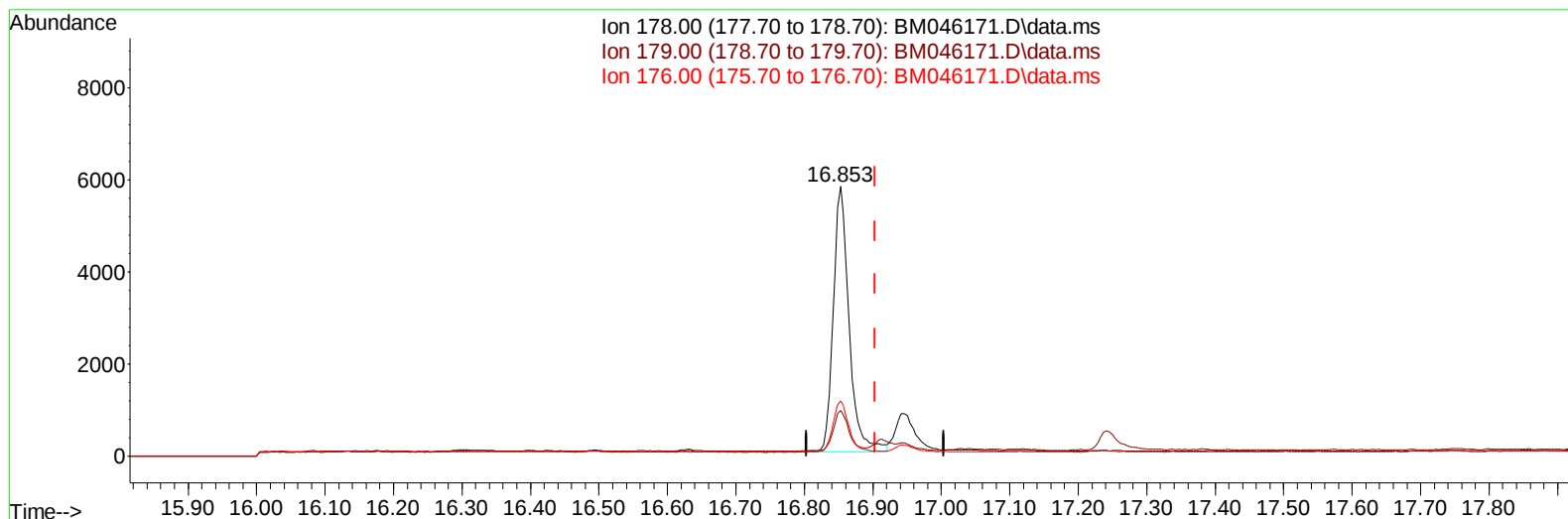
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046171.D\data.ms

(15) Phenanthrene

16.853min (-0.051) 0.41 ng/ul m

response 9190

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	16.94
176.00	21.40	20.51
0.00	0.00	0.00

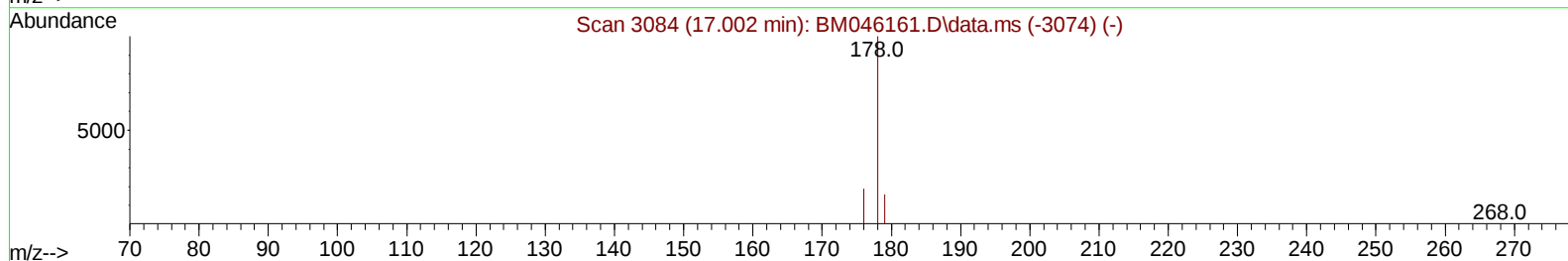
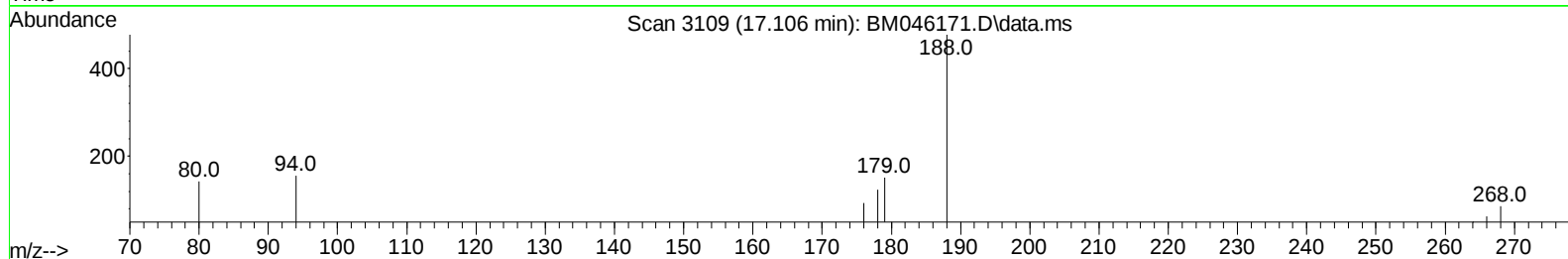
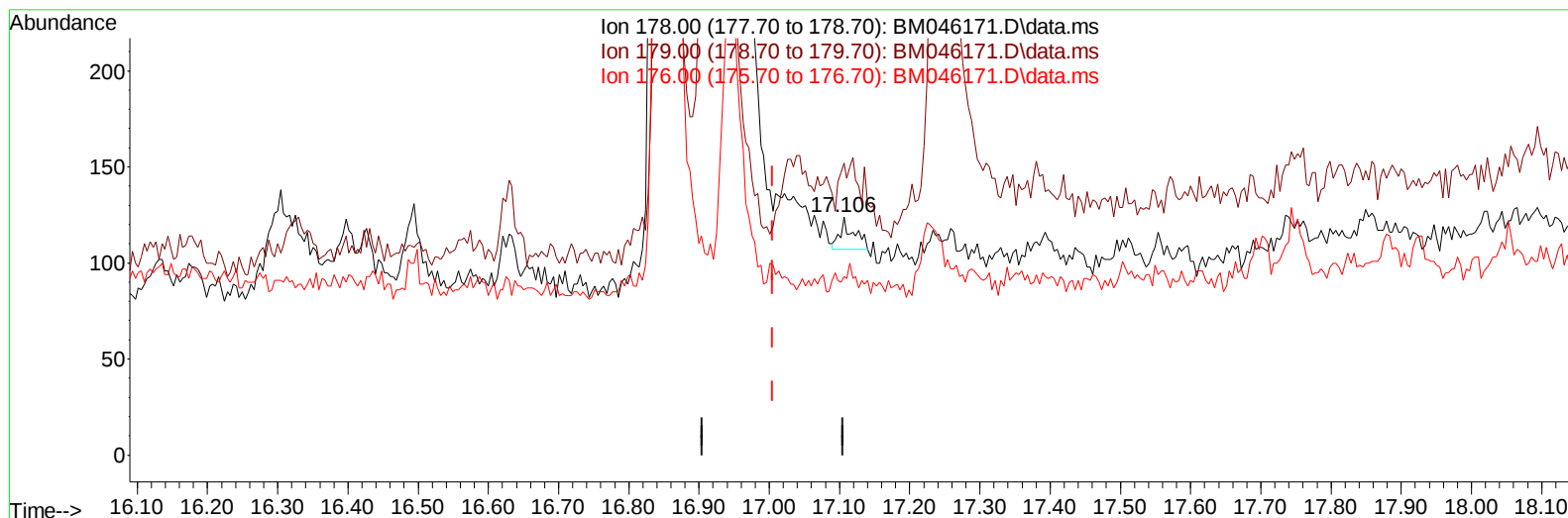
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

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TIC: BM046171.D\data.ms

(16) Anthracene

17.106min (+ 0.101) 0.00 ng/u1

response 23

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	122.58#
176.00	21.20	75.00#
0.00	0.00	0.00

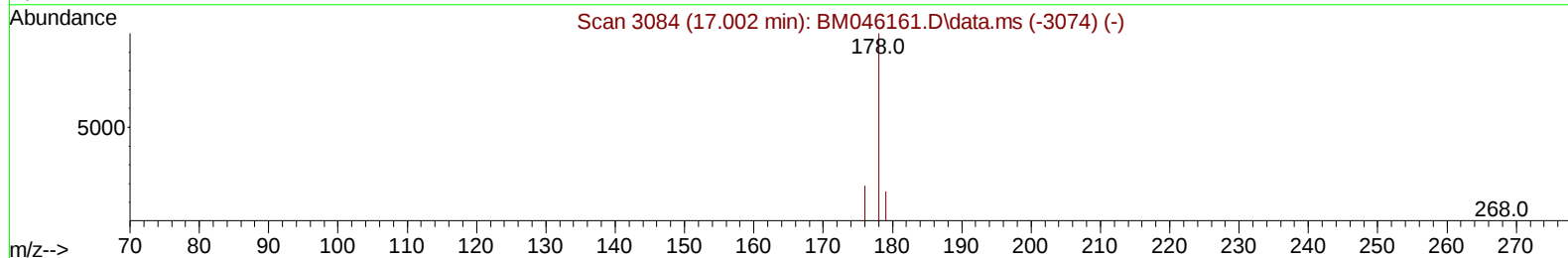
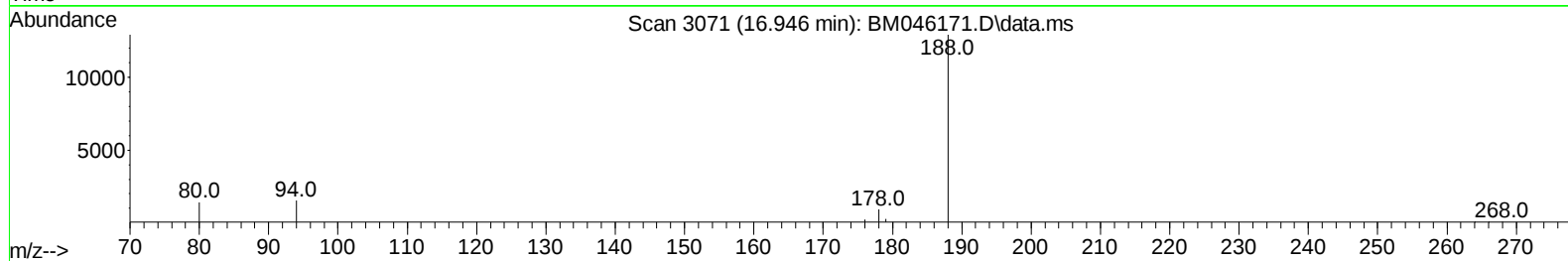
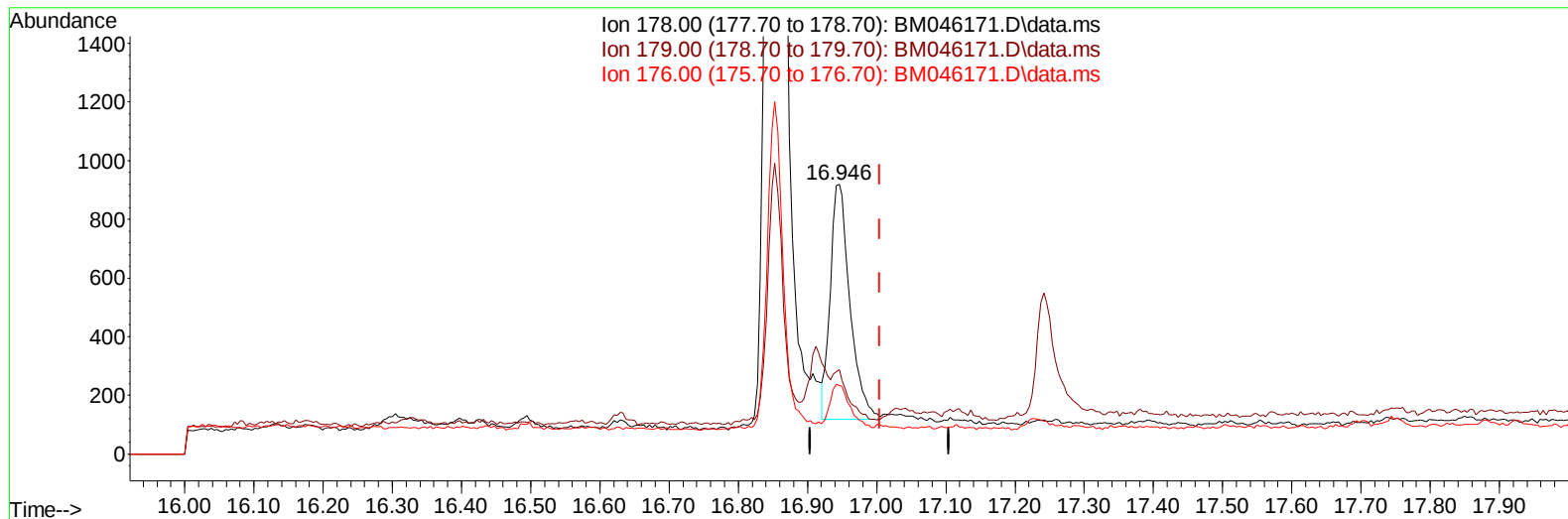
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:25 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046171.D\data.ms

(16) Anthracene

16.946min (-0.059) 0.09 ng/u1 m

response 1580

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	31.12#
176.00	21.20	25.24
0.00	0.00	0.00

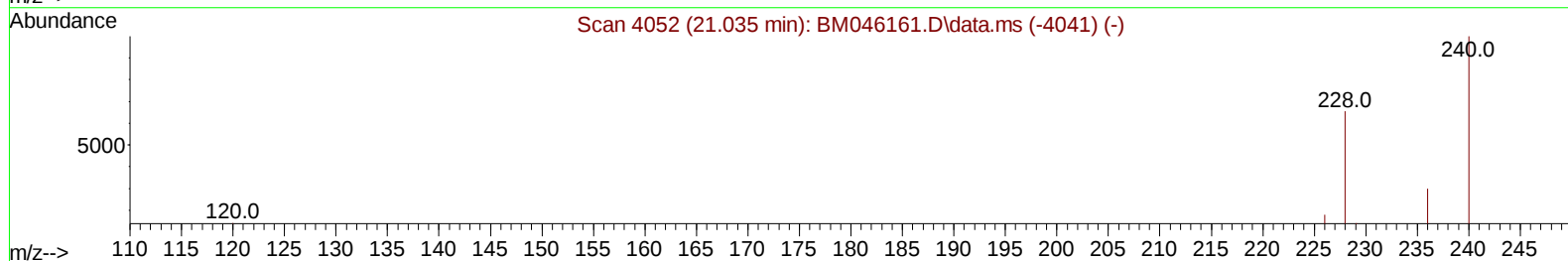
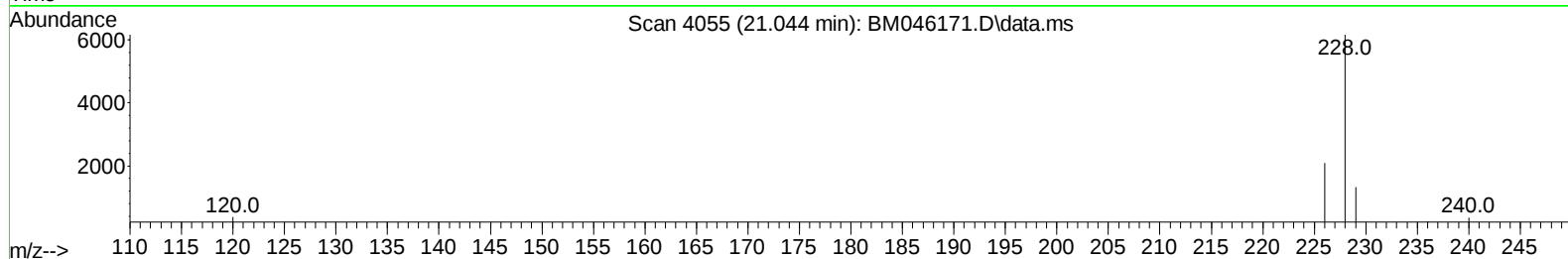
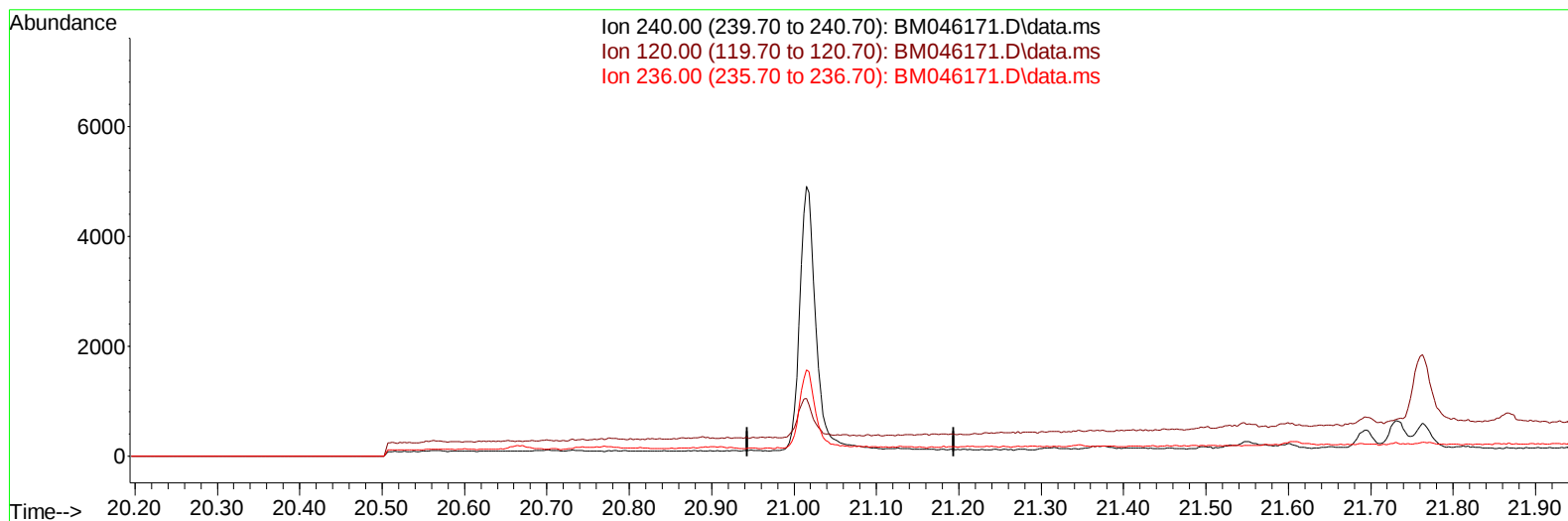
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

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TIC: BM046171.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

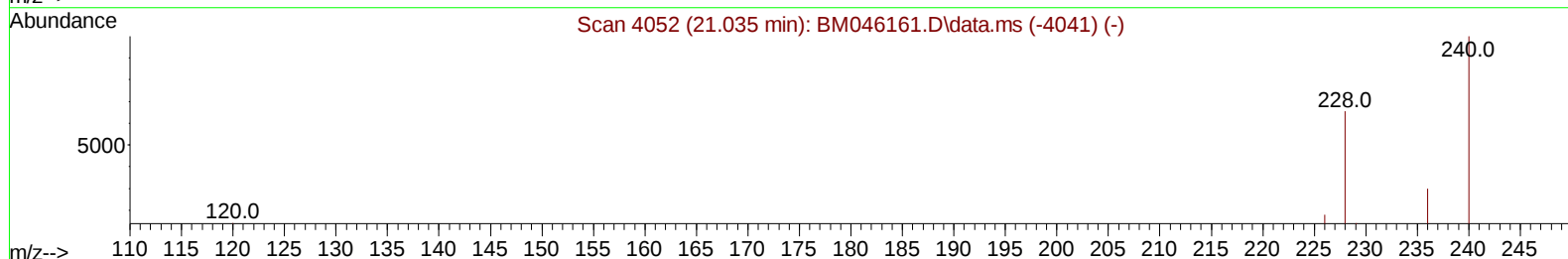
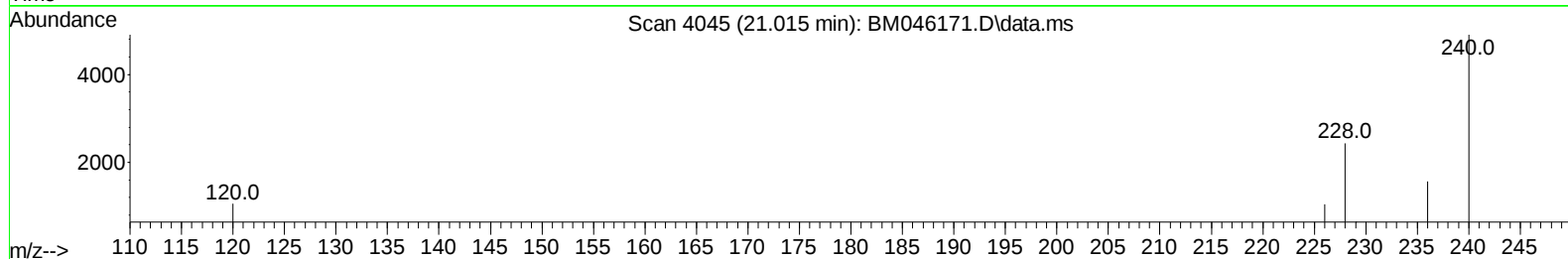
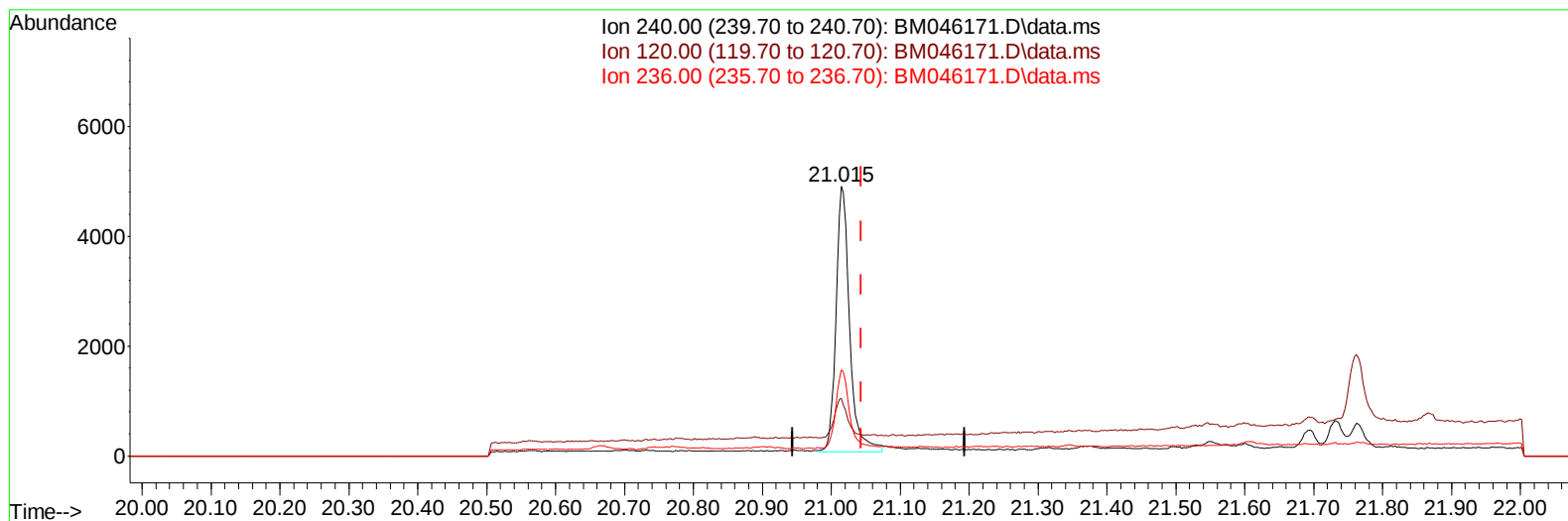
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:25 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
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046171.D\data.ms

(17) Chrysene-d12

21.015min (-0.029) 0.40 ng/u1 m

response 6597

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.47
236.00	33.60	31.93
0.00	0.00	0.00

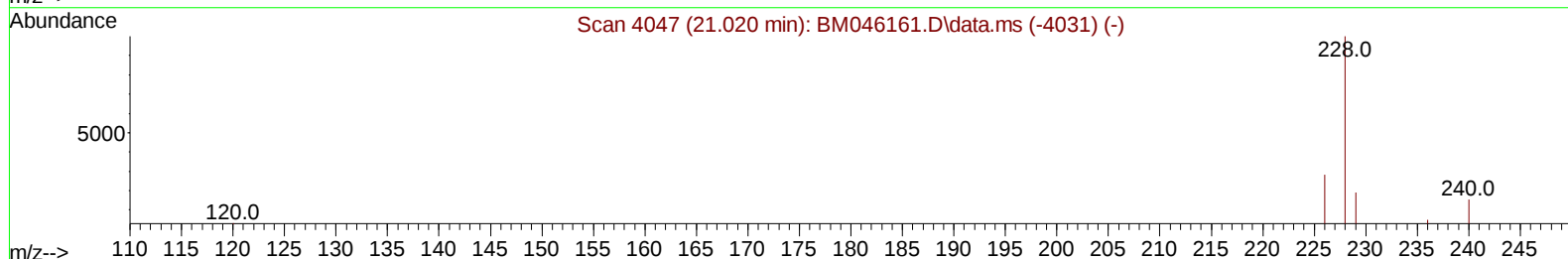
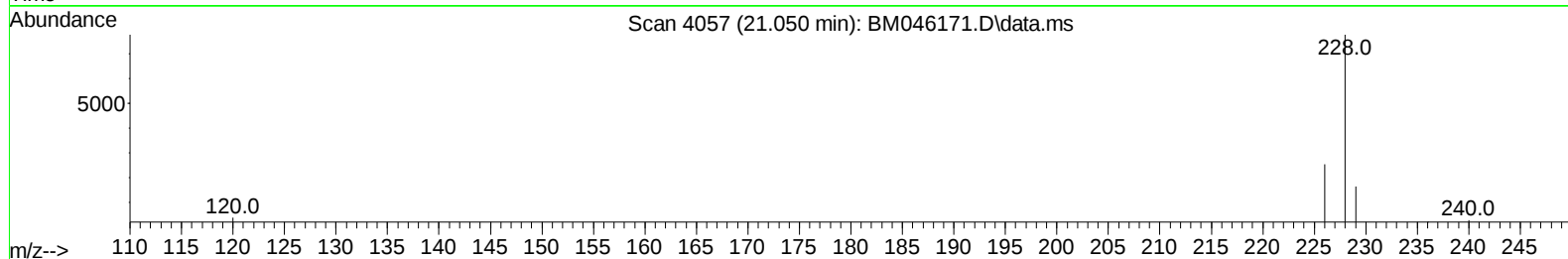
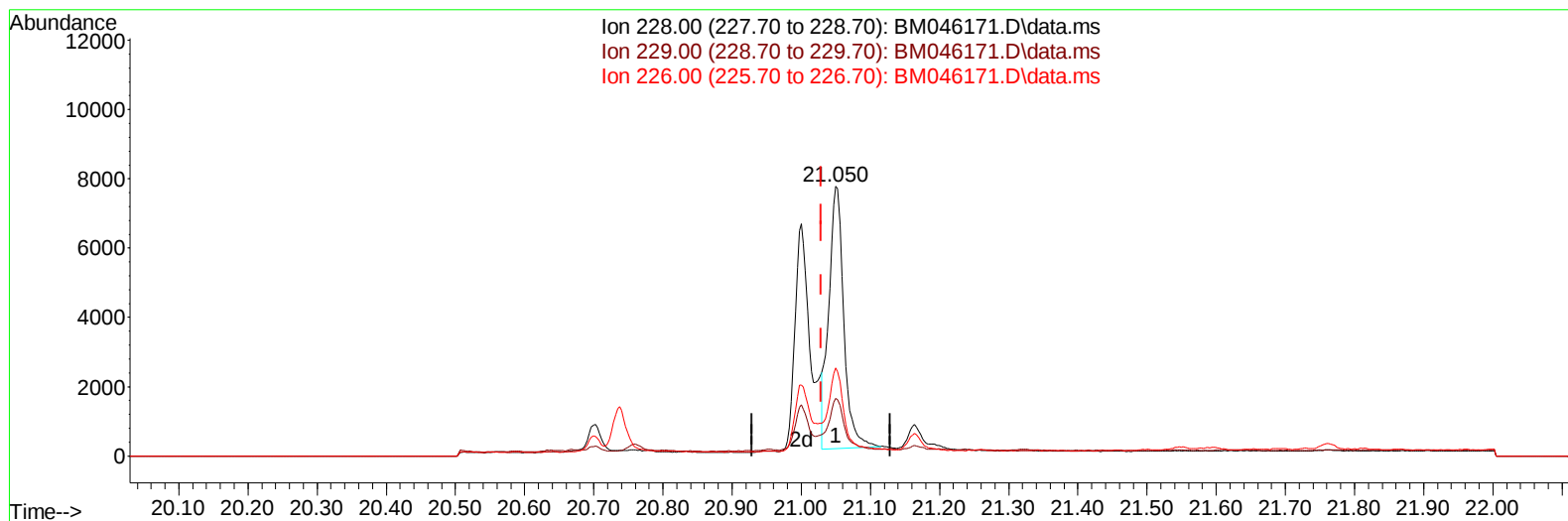
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
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Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

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TIC: BM046171.D\data.ms

(21) Benzo(a)anthracene

21.050min (+ 0.021) 0.45 ng/u1

response 11385

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.26
226.00	29.30	32.70
0.00	0.00	0.00

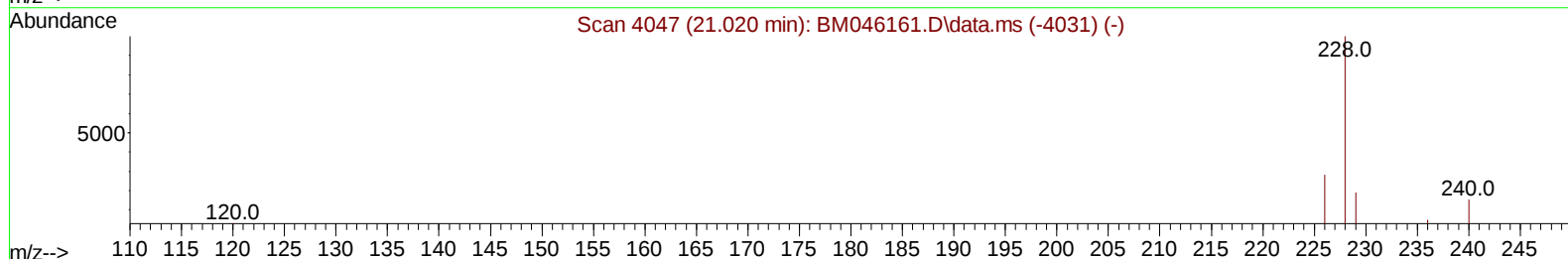
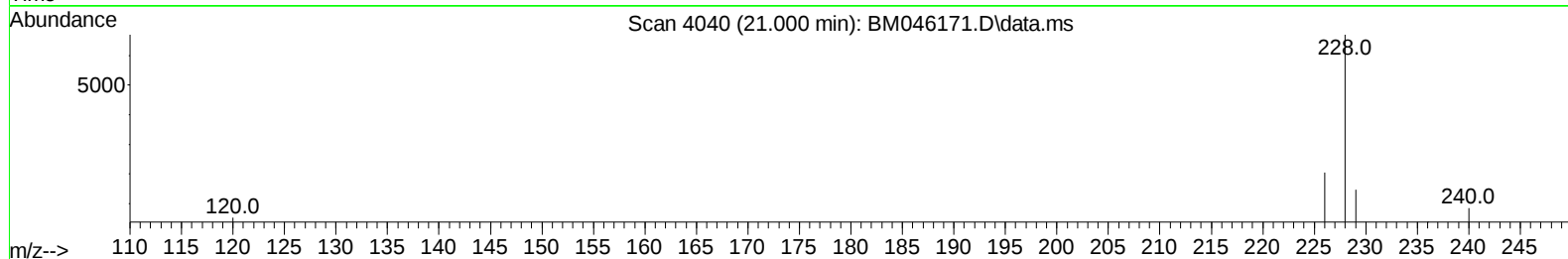
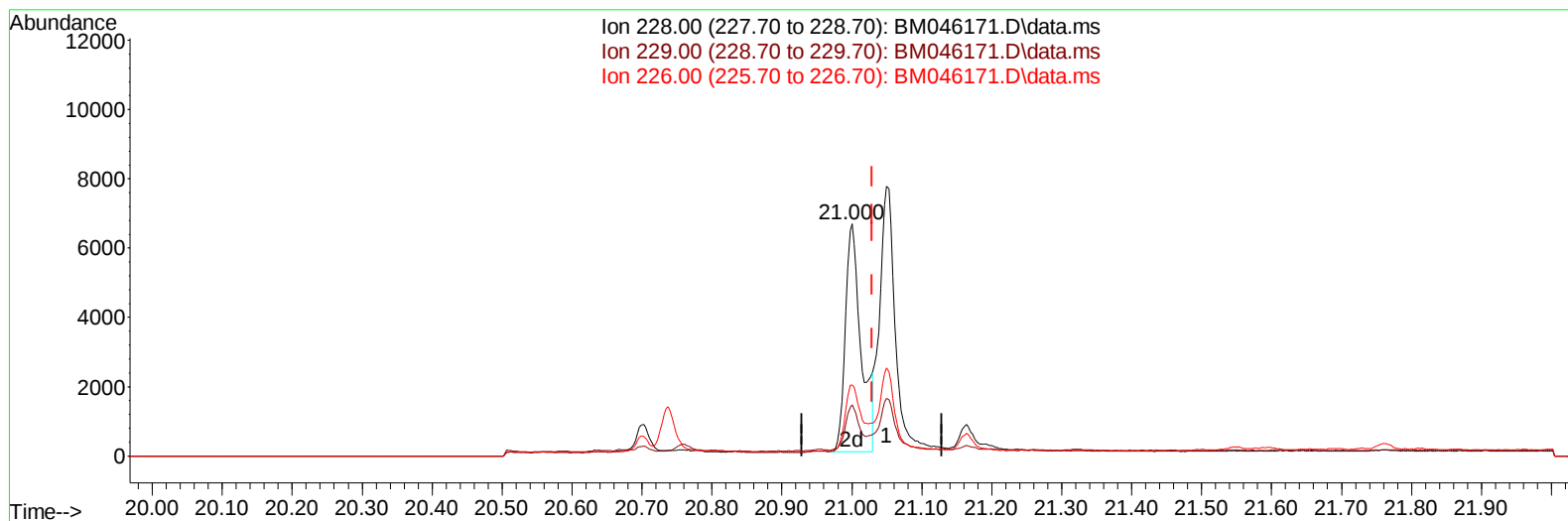
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:25 2024
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TIC: BM046171.D\data.ms

(21) Benzo(a)anthracene

21.000min (-0.029) 0.40 ng/u1 m

response 10314

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	22.03
226.00	29.30	30.50
0.00	0.00	0.00

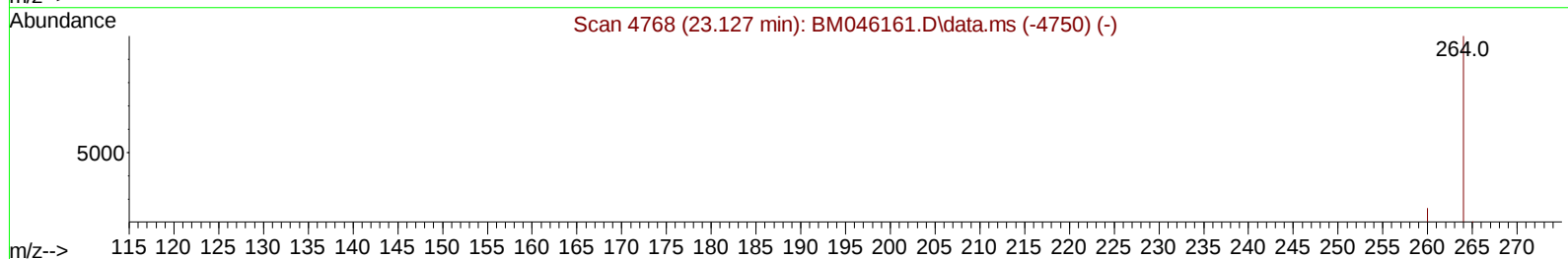
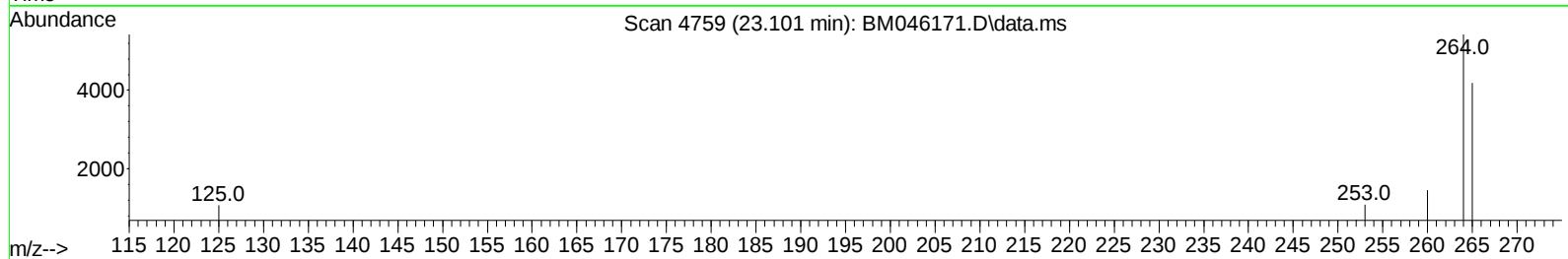
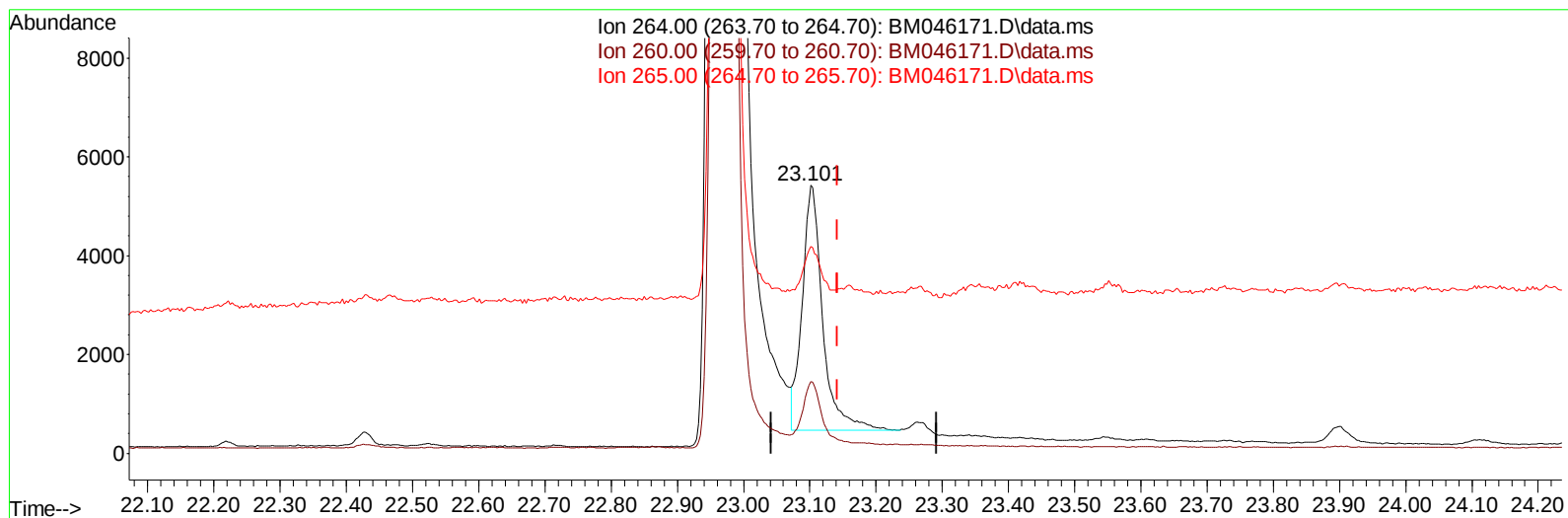
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ALS Vial : 23 Sample Multiplier: 1

Instrument :
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TIC: BM046171.D\data.ms

(23) Perylene-d12 (I)

23.101min (-0.041) 0.40 ng/u1

response 10721

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.67
265.00	110.60	77.14#
0.00	0.00	0.00

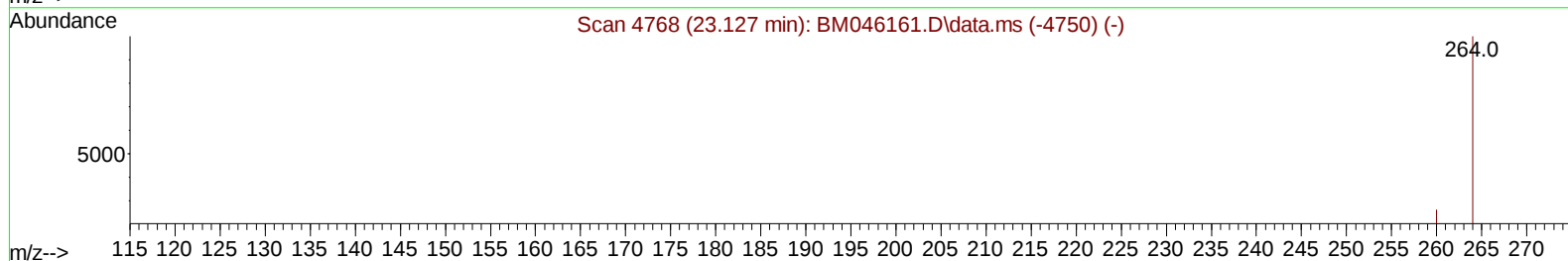
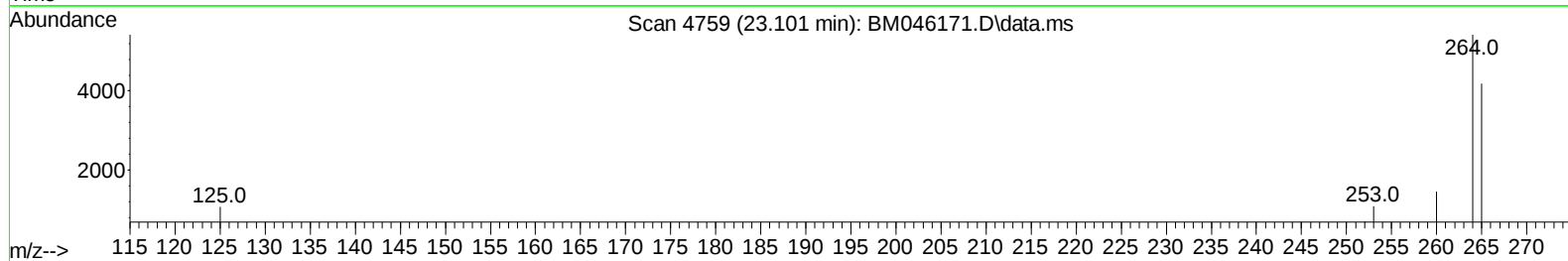
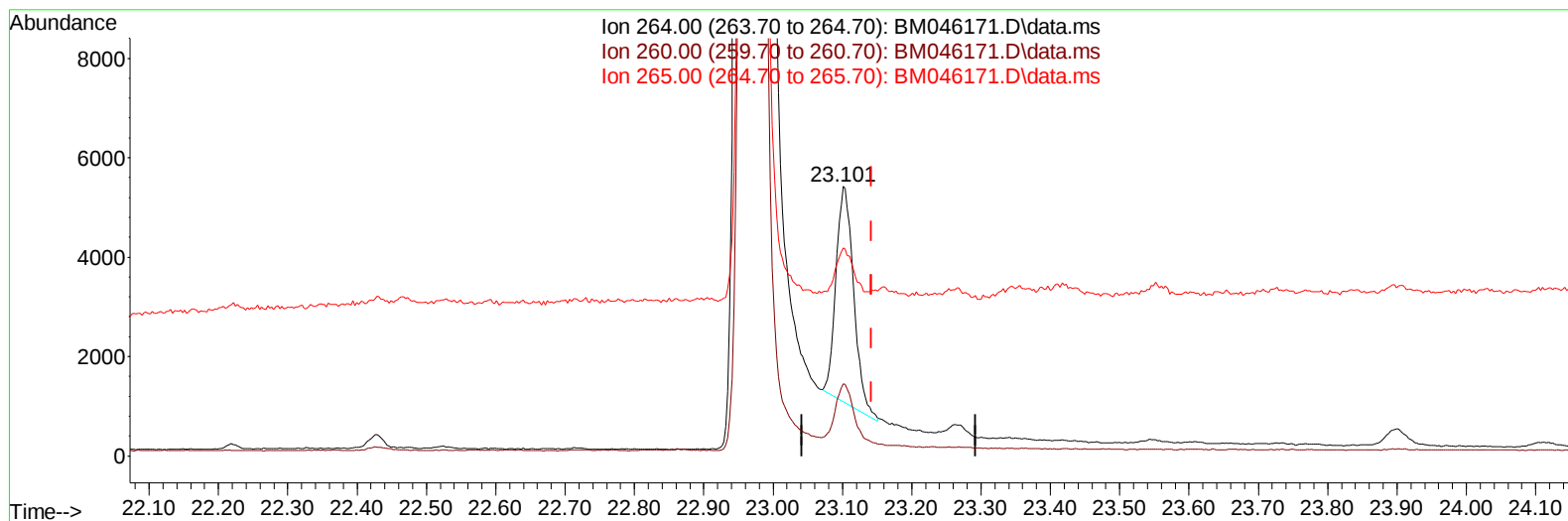
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: BM046171.D\data.ms

(23) Perylene-d12 (I)

23.101min (-0.041) 0.40 ng/ul m

response 7626

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	26.67
265.00	110.60	77.14#
0.00	0.00	0.00

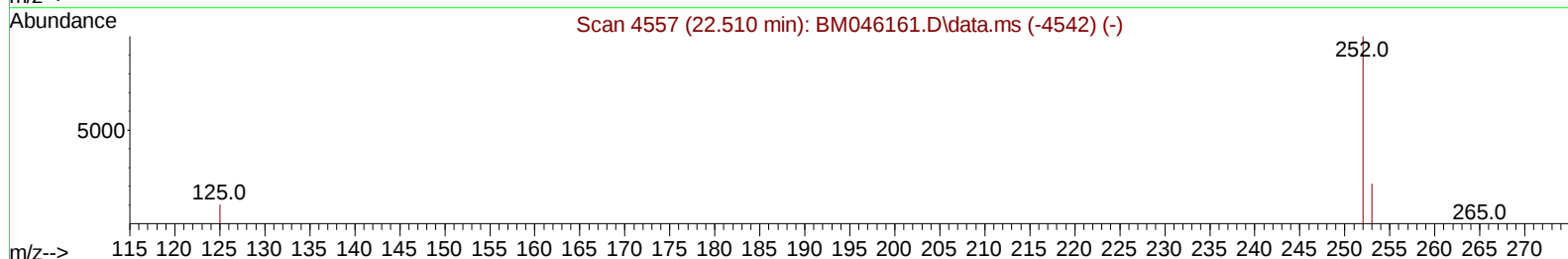
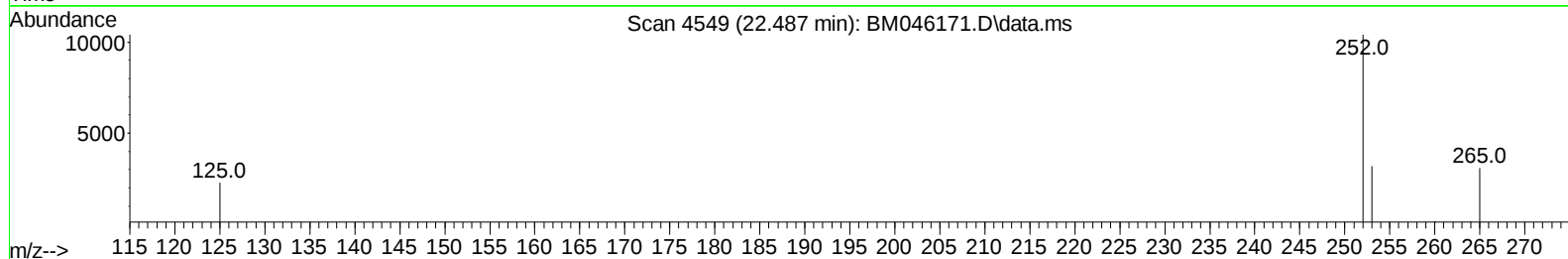
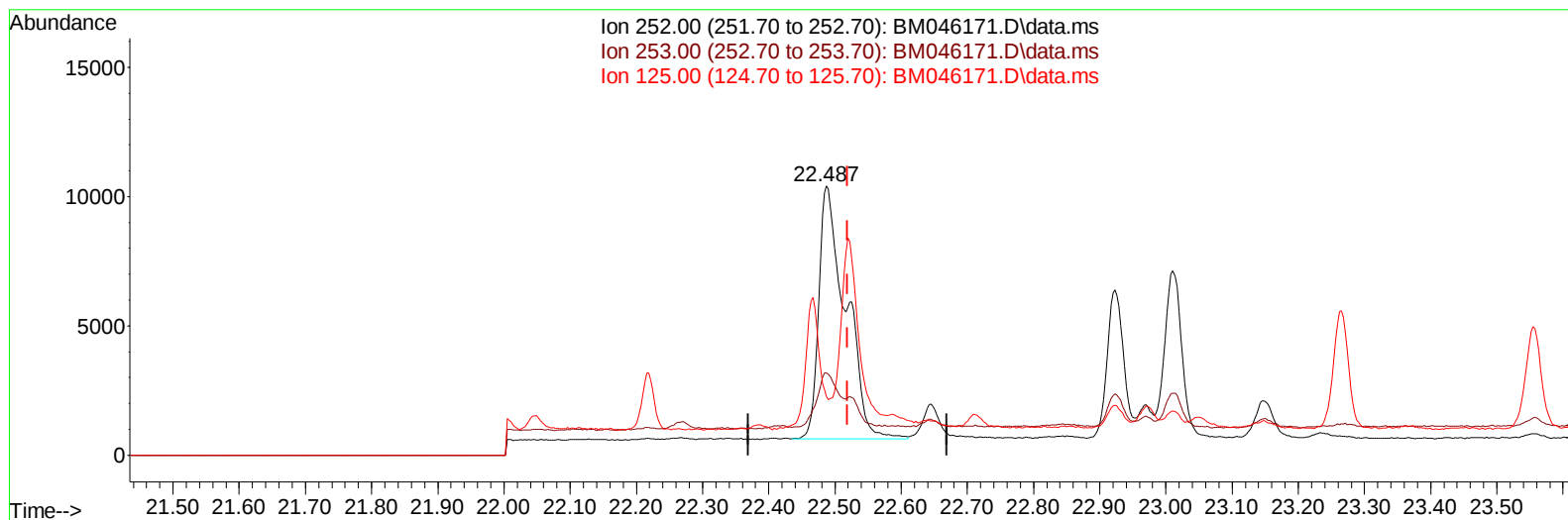
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046171.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.032) 1.00 ng/u1

response 27541

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	30.53
125.00	20.10	21.89
0.00	0.00	0.00

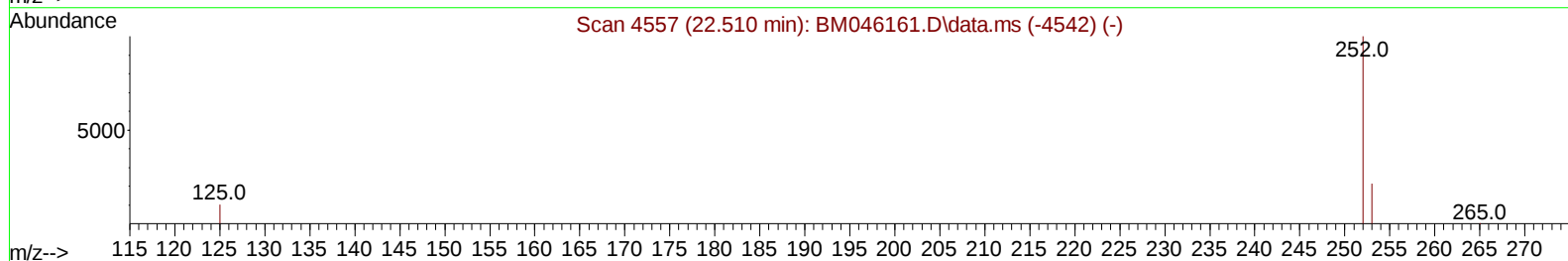
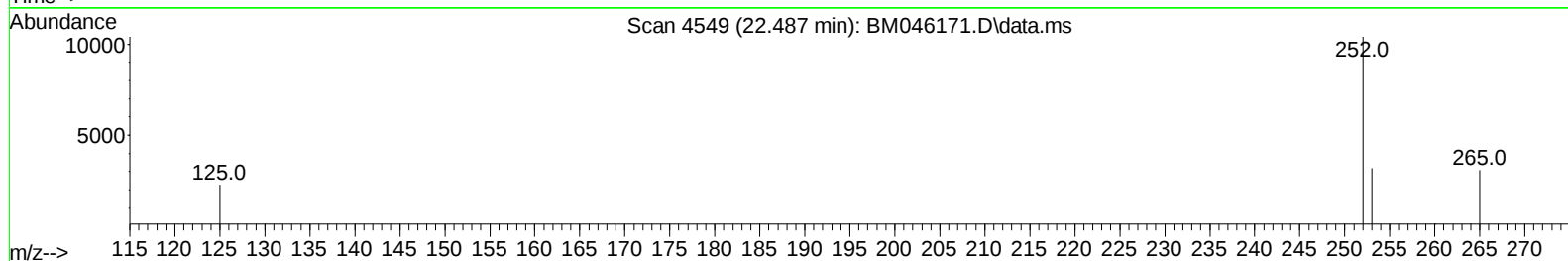
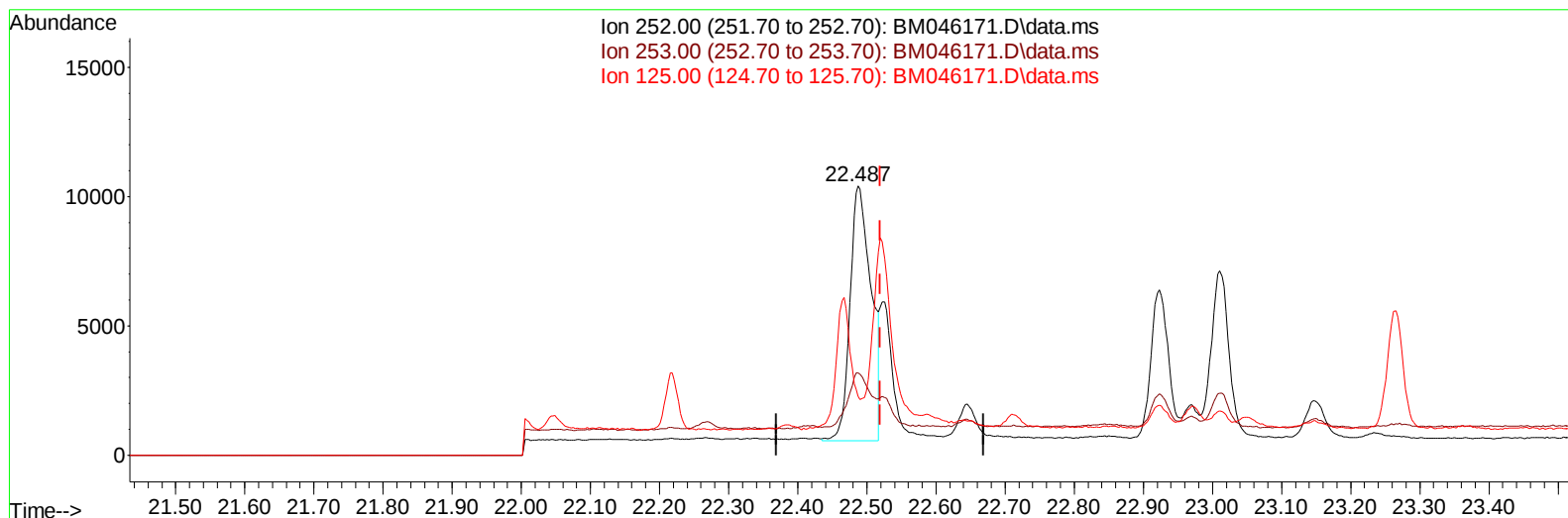
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

Manual IntegrationsAPPROVED

Quant Time: Jun 21 22:28:25 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 :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046171.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.032) 0.76 ng/u1 m

response 20899

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	30.53
125.00	20.10	21.89
0.00	0.00	0.00

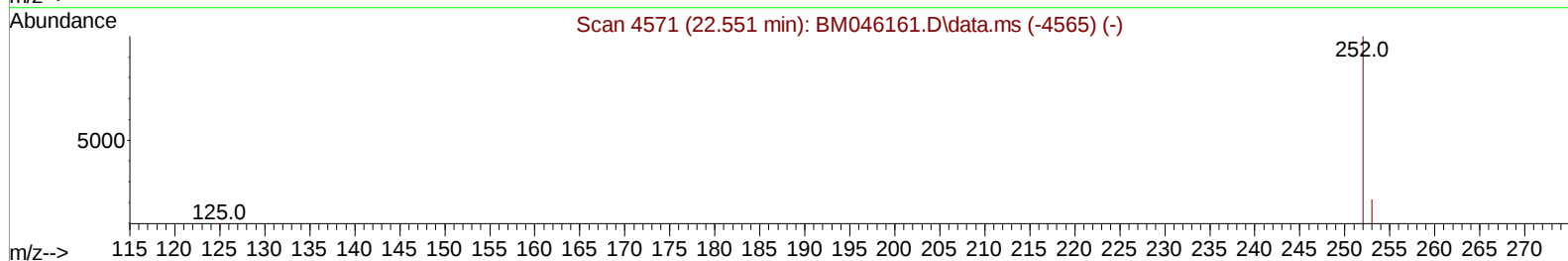
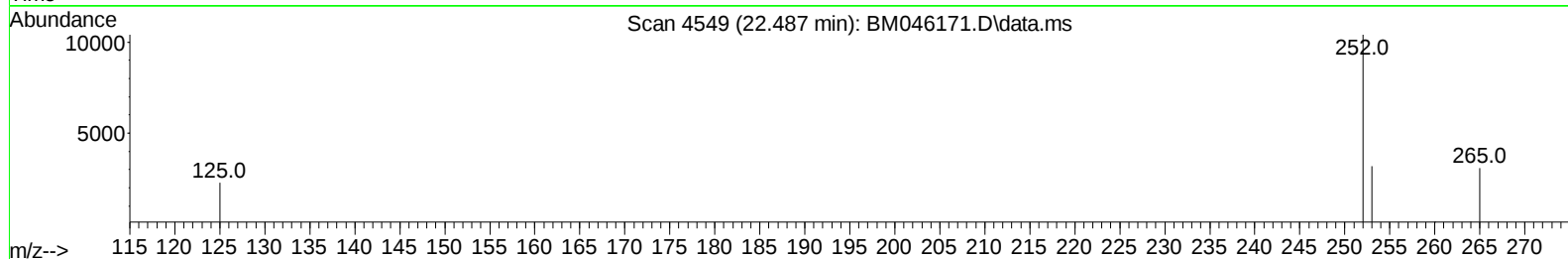
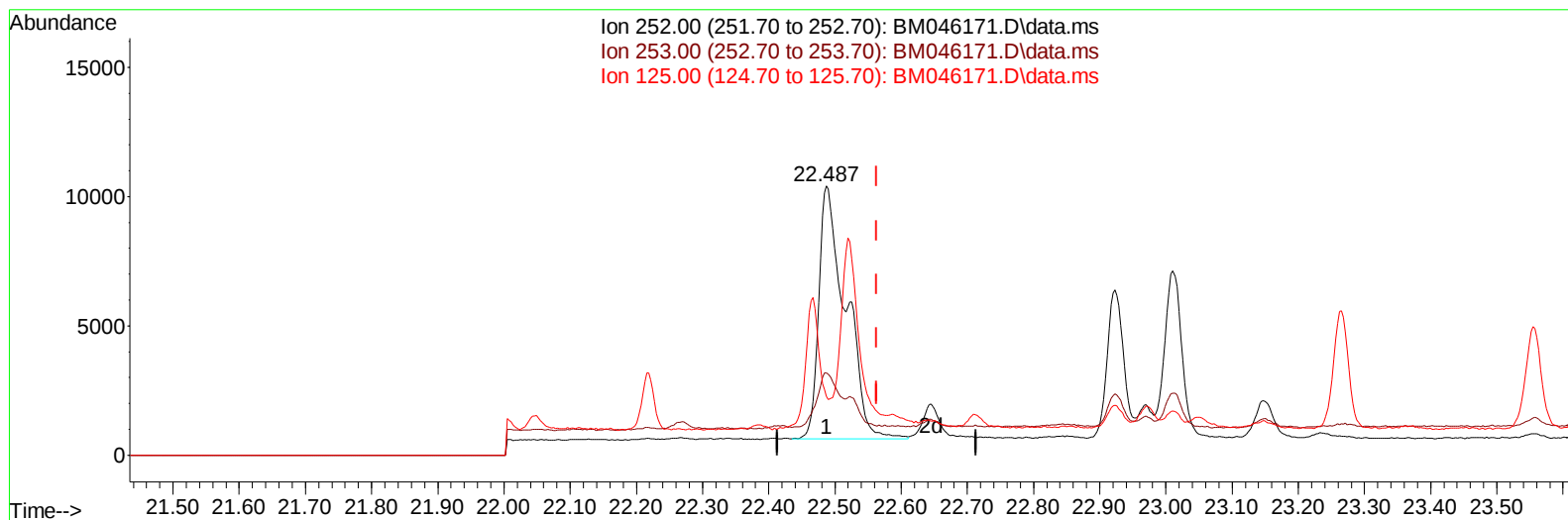
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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ALS Vial : 23 Sample Multiplier: 1

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(25) Benzo(k)fluoranthene

22.487min (-0.076) 0.84 ng/u1

response 27541

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	30.53
125.00	20.80	21.89
0.00	0.00	0.00

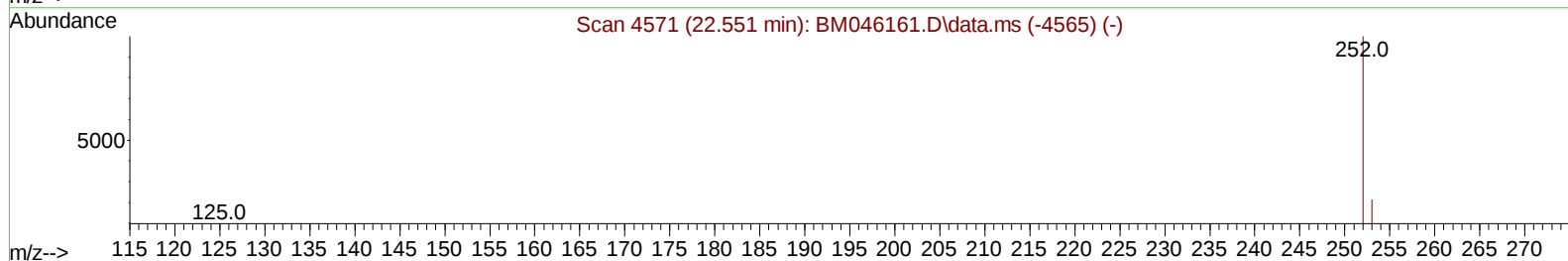
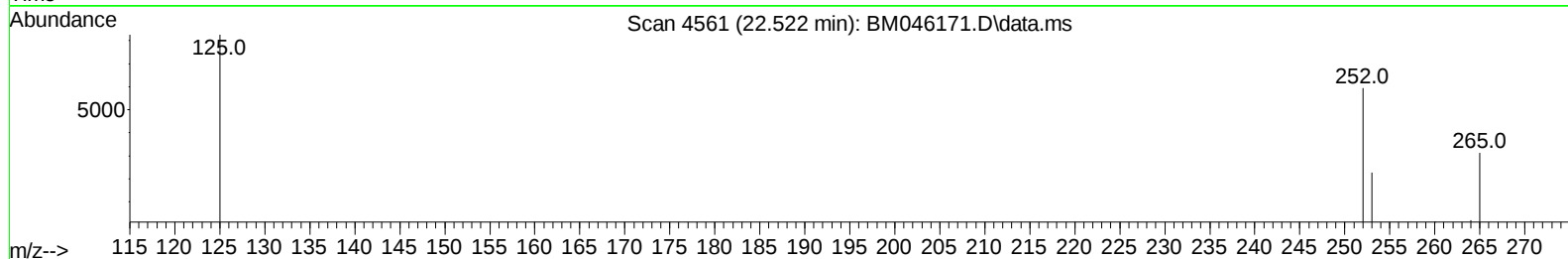
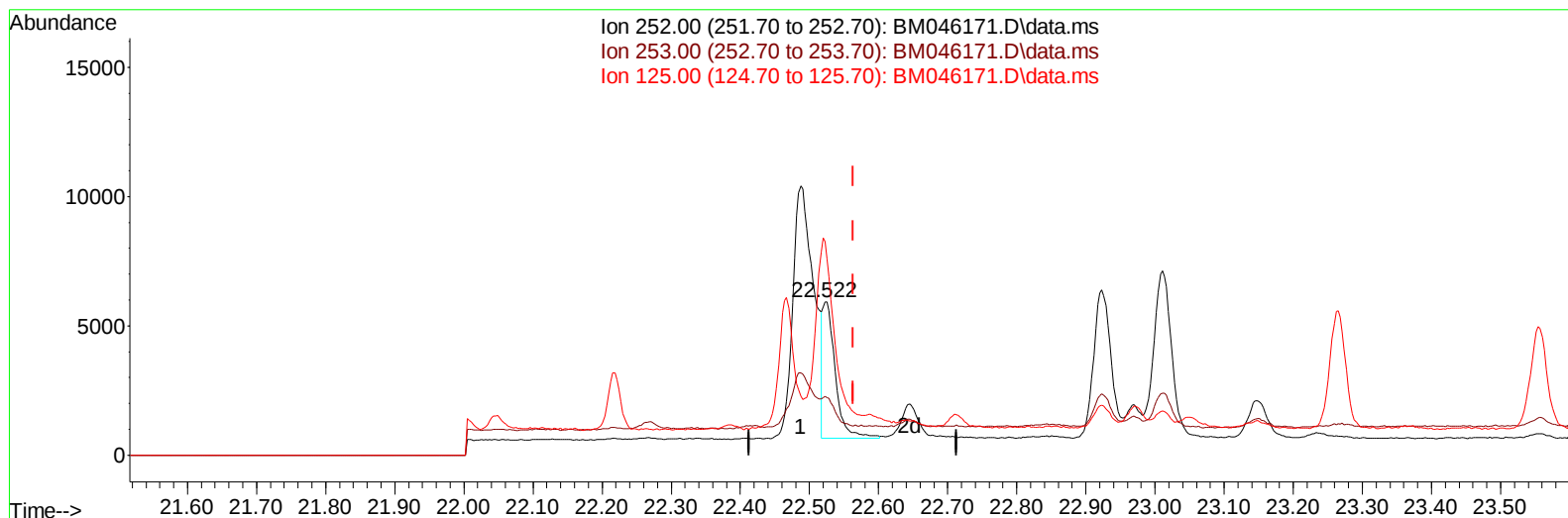
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046171.D
Acq On : 21 Jun 2024 21:56
Operator : MA/JU
Sample : P2754-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4CX9

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TIC: BM046171.D\data.ms

(25) Benzo(k)fluoranthene

22.522min (-0.041) 0.21 ng/u1 m

response 6767

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	38.23
125.00	20.80	139.19#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P2754-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CX9

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2402	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.193	136	6870	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.066	164	3799	0.400	ng/ul	#-0.05
13) Phenanthrene-d10	16.811	188	8020m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.015	240	6597m	0.400	ng/ul	-0.03
23) Perylene-d12	23.101	264	7626m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11313	3.433	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.821	152	2317	0.251	ng/ul	-0.04
18) Fluoranthene-d10	18.848	212	4734	0.240	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.242	128	566	0.030	ng/ul#	59
7) 2-Methylnaphthalene	11.892	142	282	0.026	ng/ul	92
10) Acenaphthylene	13.788	152	1089	0.060	ng/ul#	75
11) Acenaphthene	14.131	153	360	0.028	ng/ul#	92
12) Fluorene	15.121	166	401	0.029	ng/ul#	93
15) Phenanthrene	16.853	178	9190m	0.408	ng/ul	
16) Anthracene	16.946	178	1580m	0.094	ng/ul	
19) Fluoranthene	18.875	202	23373	0.818	ng/ul	99
20) Pyrene	19.238	202	21767	0.705	ng/ul	99
21) Benzo(a)anthracene	21.000	228	10314m	0.405	ng/ul	
22) Chrysene	21.050	228	11527	0.354	ng/ul	98
24) Benzo(b)fluoranthene	22.487	252	20899m	0.761	ng/ul	
25) Benzo(k)fluoranthene	22.522	252	6767m	0.207	ng/ul	
26) Benzo(a)pyrene	23.011	252	11703	0.460	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	25.152	276	11349	0.272	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.159	278	2386	0.077	ng/ul#	1
29) Benzo(g,h,i)perylene	25.773	276	12007	0.336	ng/ul	98

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

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