

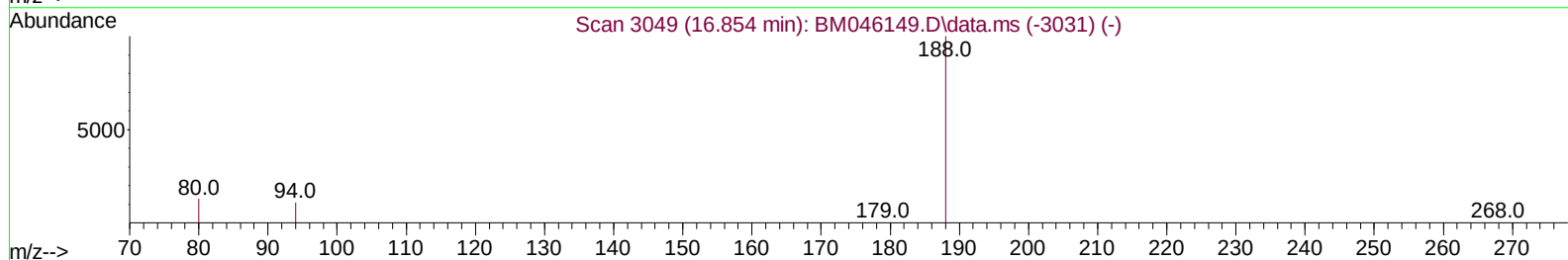
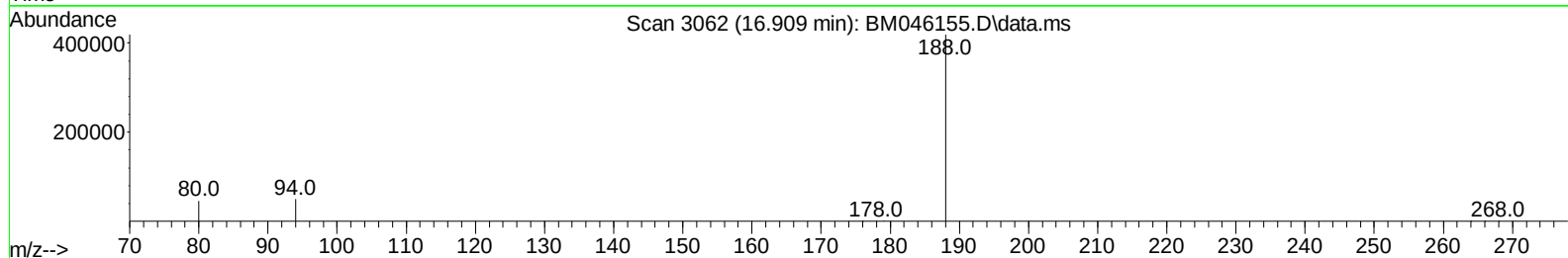
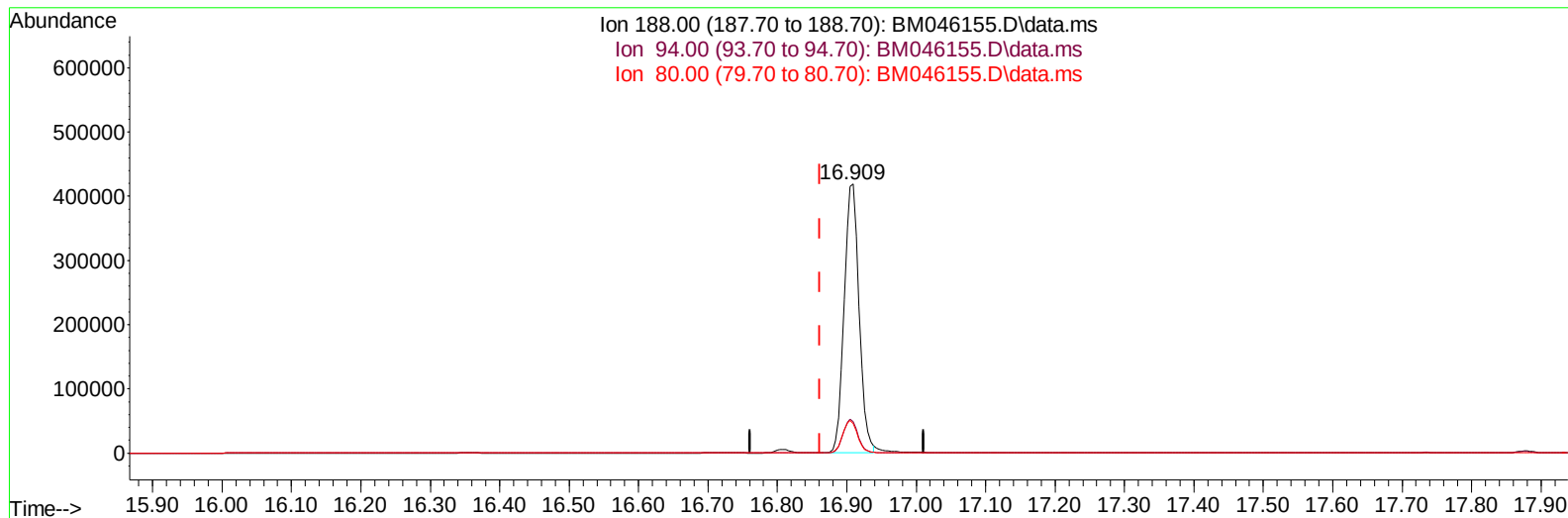
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 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: BM046155.D\data.ms

(13) Phenanthrene-d10 (I)

16.909min (+ 0.048) 0.40 ng/u1

response 622667

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.73
80.00	15.20	10.94#
0.00	0.00	0.00

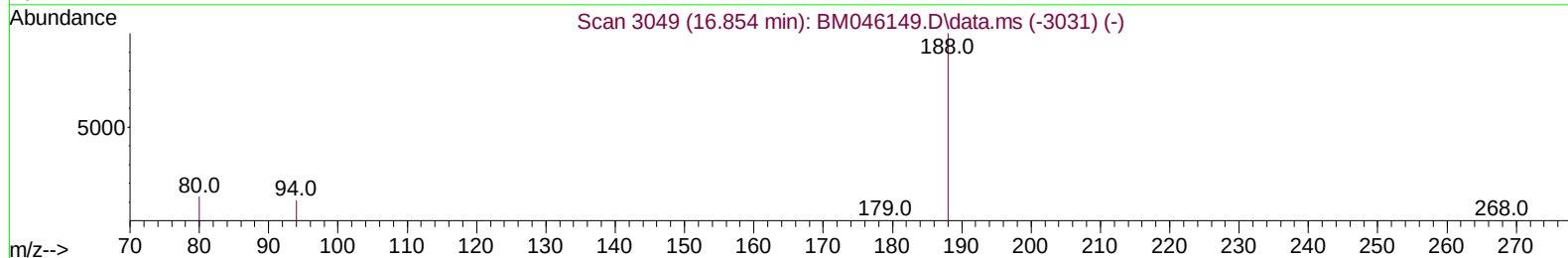
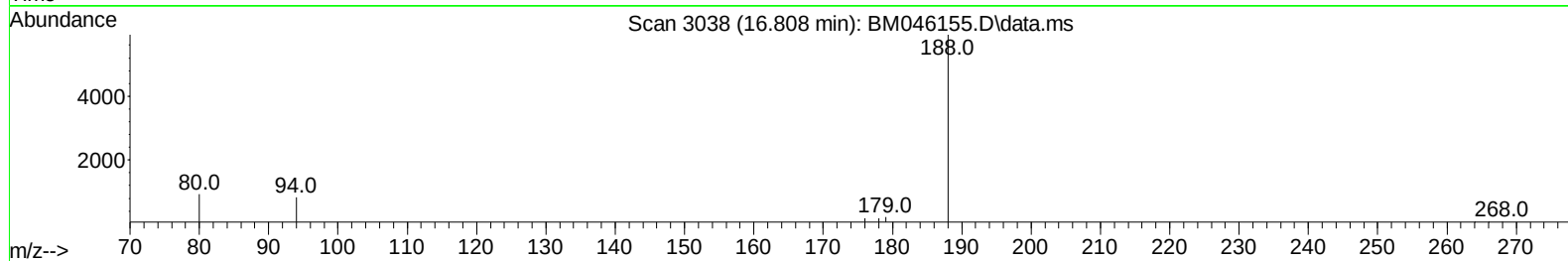
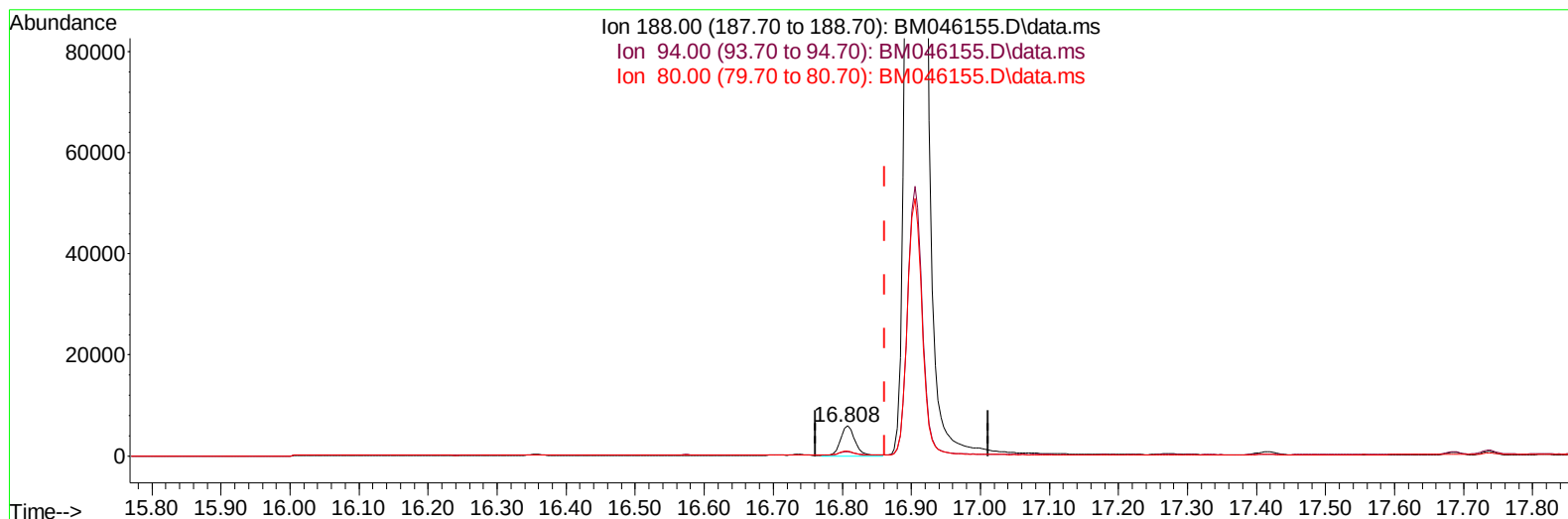
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 2024
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QLast Update : Tue Jun 18 13:58:29 2024
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046155.D\data.ms

(13) Phenanthrene-d10 (I)

16.808min (-0.053) 0.40 ng/ul m

response 8845

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	14.17
80.00	15.20	15.76
0.00	0.00	0.00

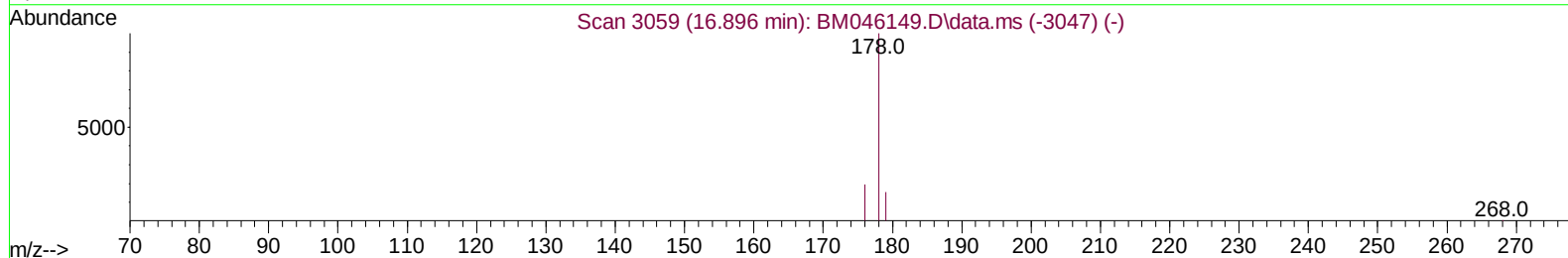
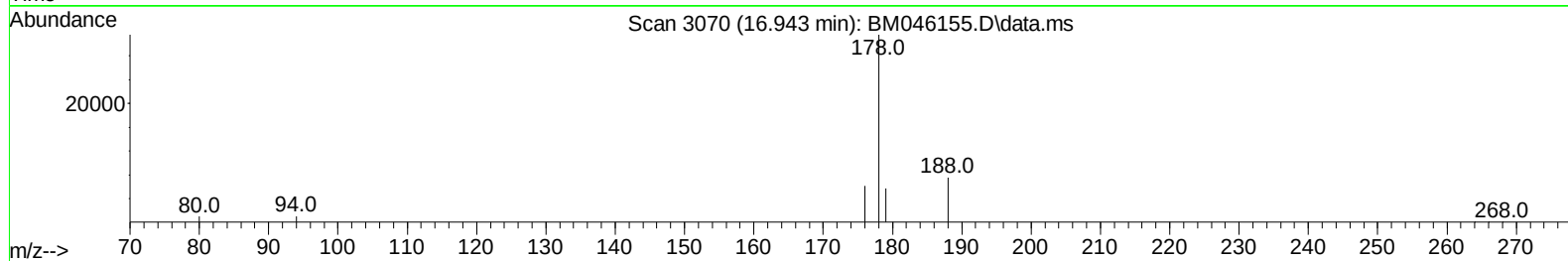
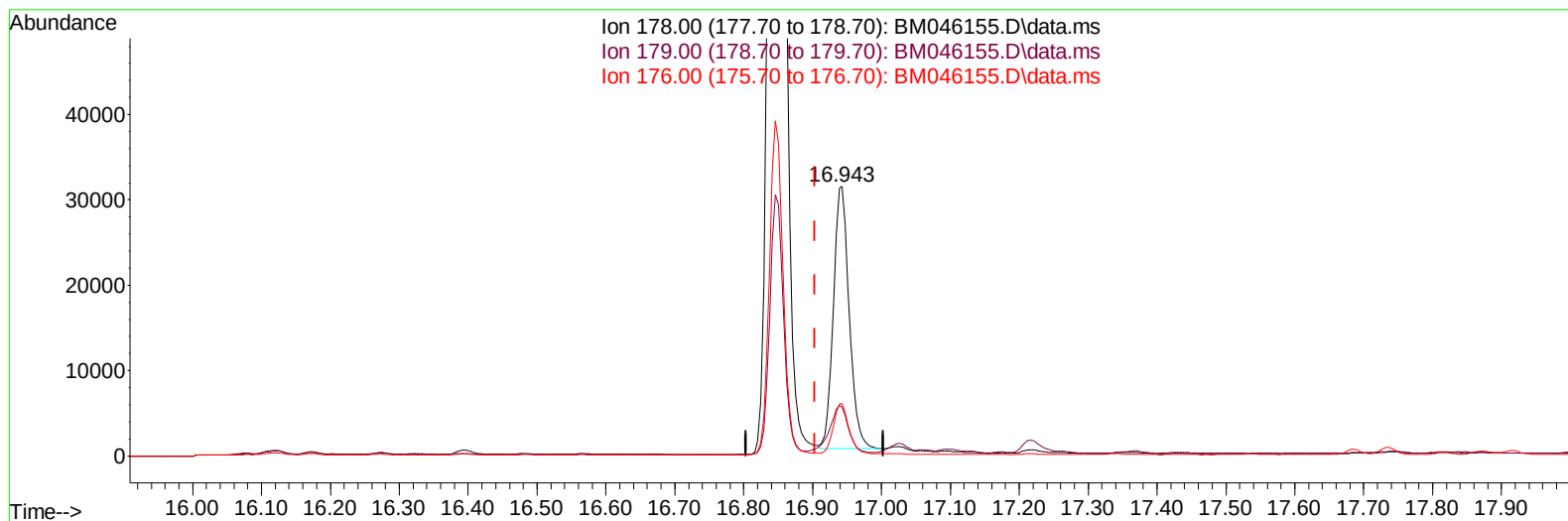
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046155.D
 Acq On : 21 Jun 2024 12:04
 Operator : MA/JU
 Sample : P2754-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP6

Manual IntegrationsAPPROVED

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TIC: BM046155.D\data.ms

(15) Phenanthrene

16.943min (+ 0.039) 1.97 ng/ul

response 49050

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	18.10
176.00	21.40	19.39
0.00	0.00	0.00

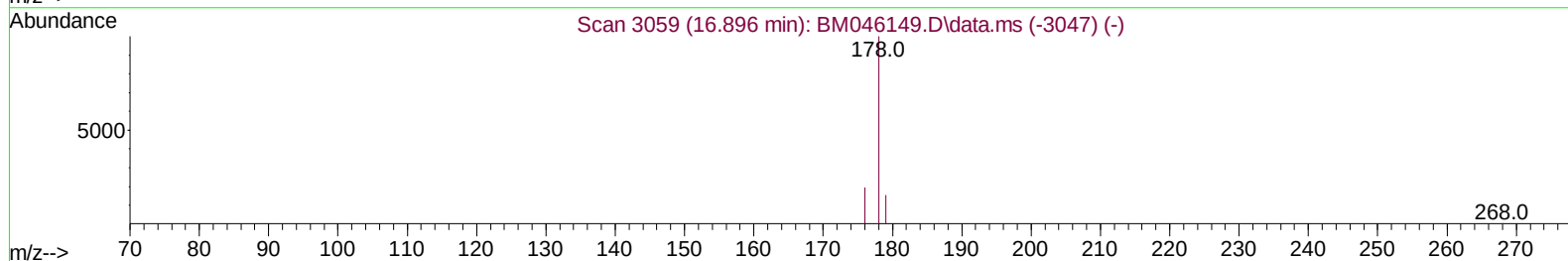
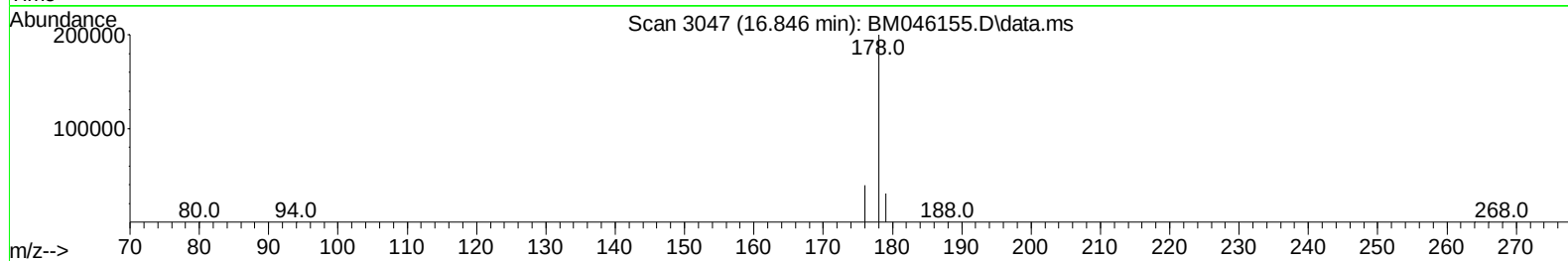
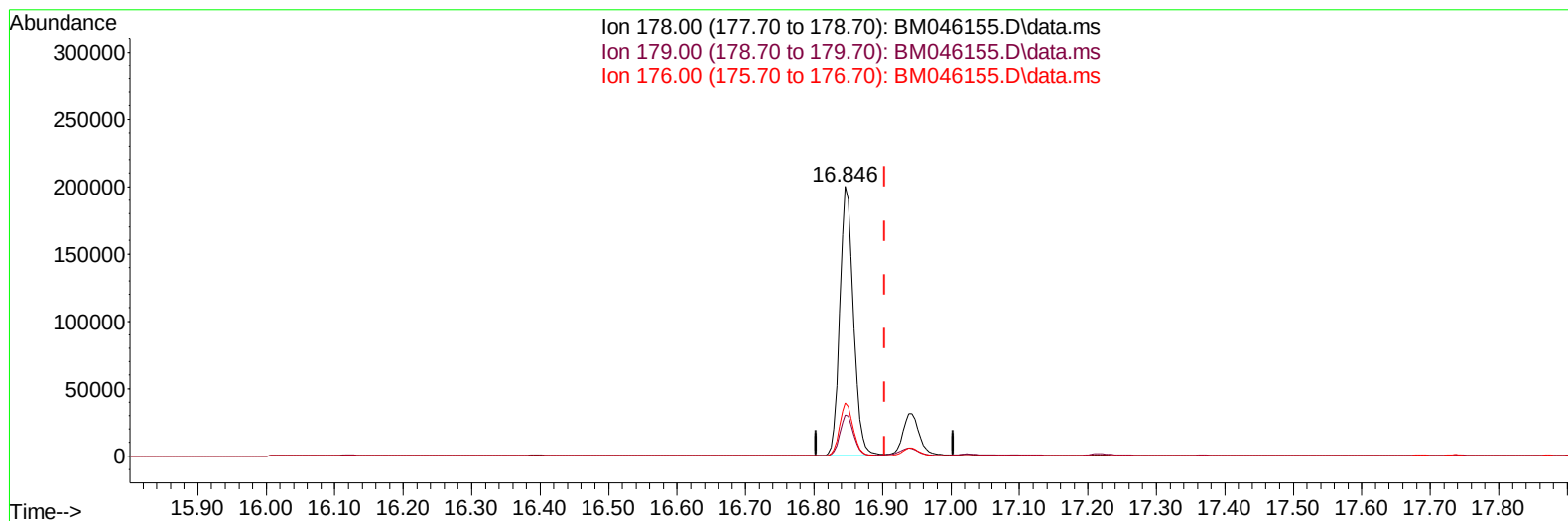
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 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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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046155.D\data.ms

(15) Phenanthrene

16.846min (-0.058) 11.20 ng/ul m

response 278364

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.29
176.00	21.40	19.62
0.00	0.00	0.00

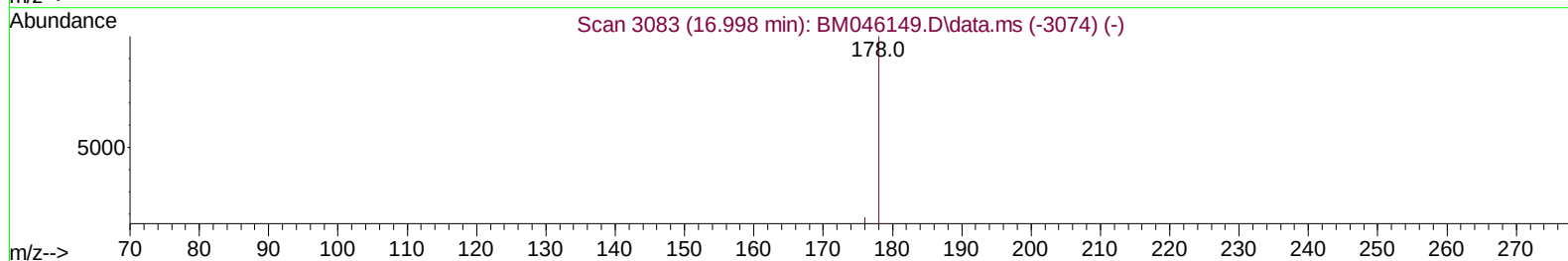
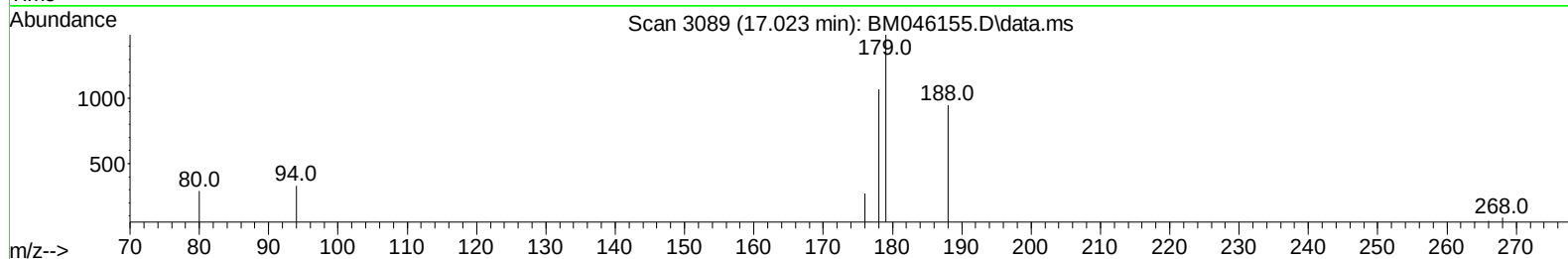
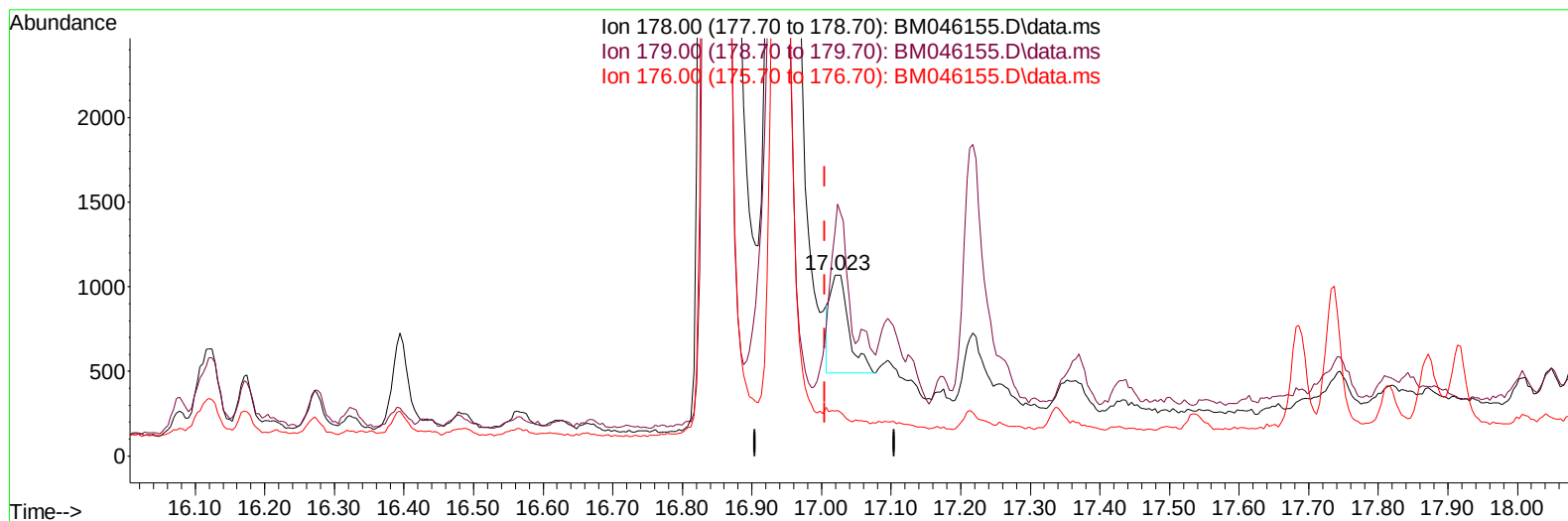
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

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TIC: BM046155.D\data.ms

(16) Anthracene

17.023min (+ 0.018) 0.06 ng/ul

response 1110

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	139.07#
176.00	21.20	25.14
0.00	0.00	0.00

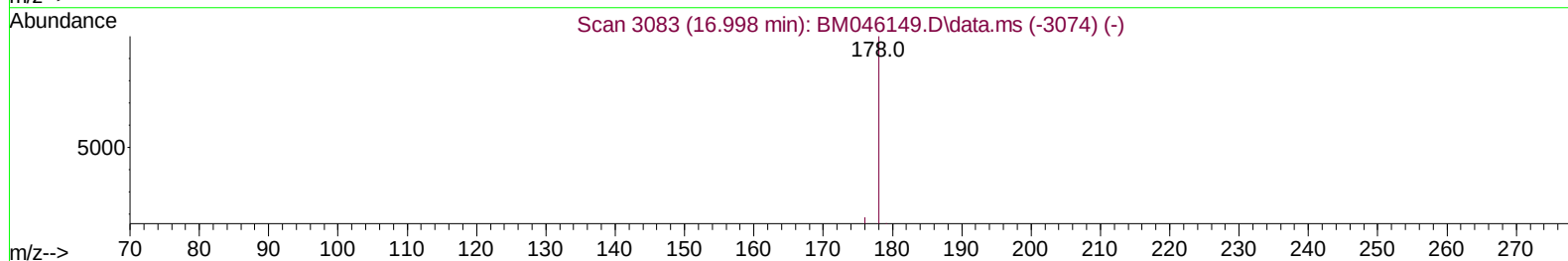
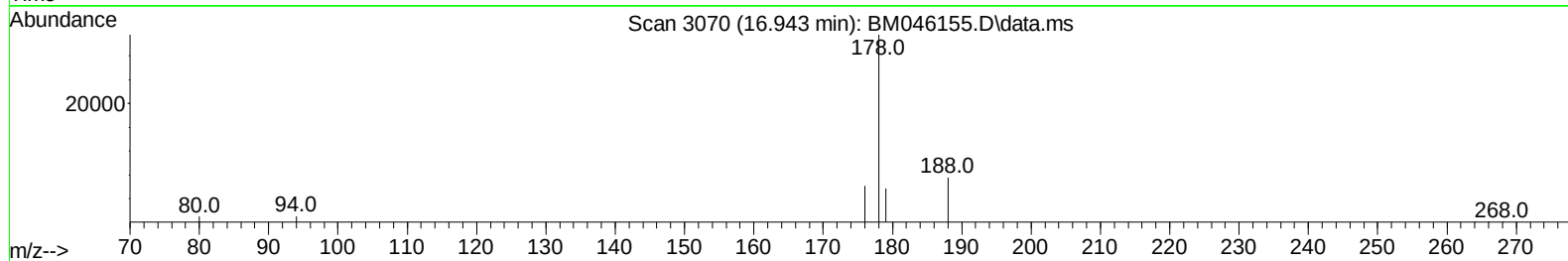
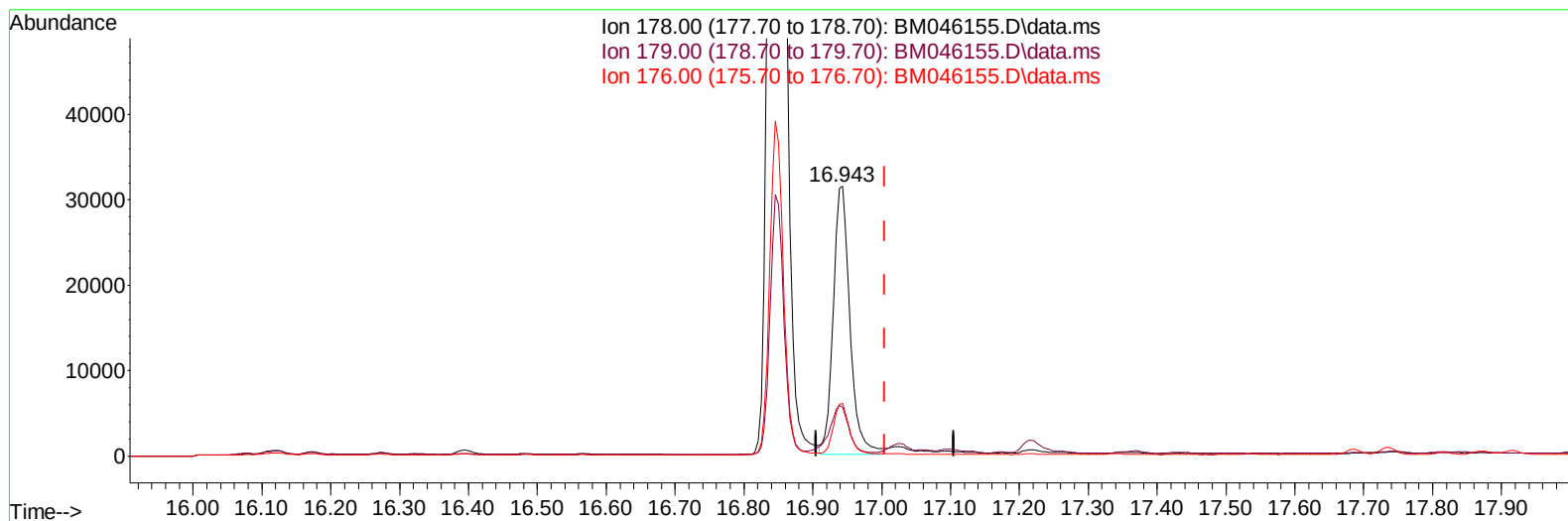
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 2024
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TIC: BM046155.D\data.ms

(16) Anthracene

16.943min (-0.062) 2.86 ng/ul m

response 52929

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	18.10
176.00	21.20	19.39
0.00	0.00	0.00

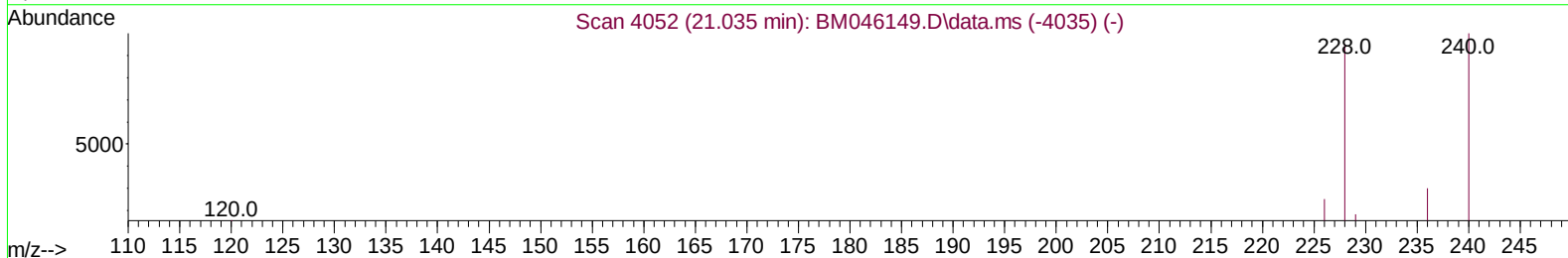
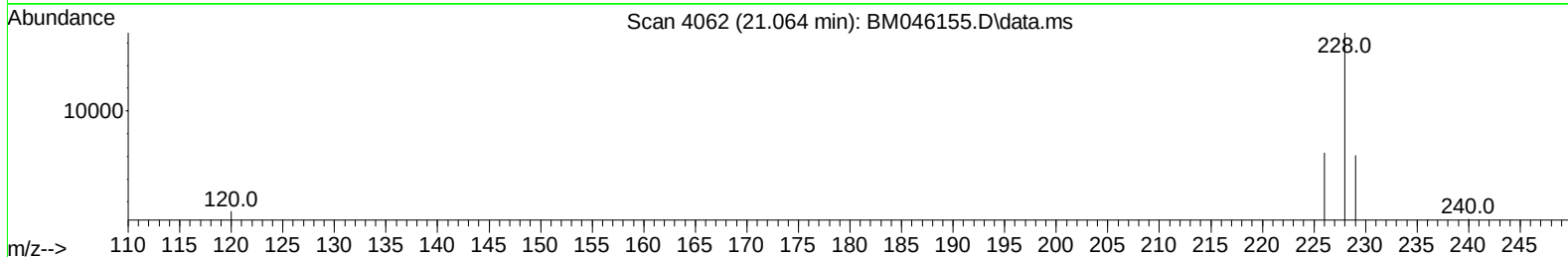
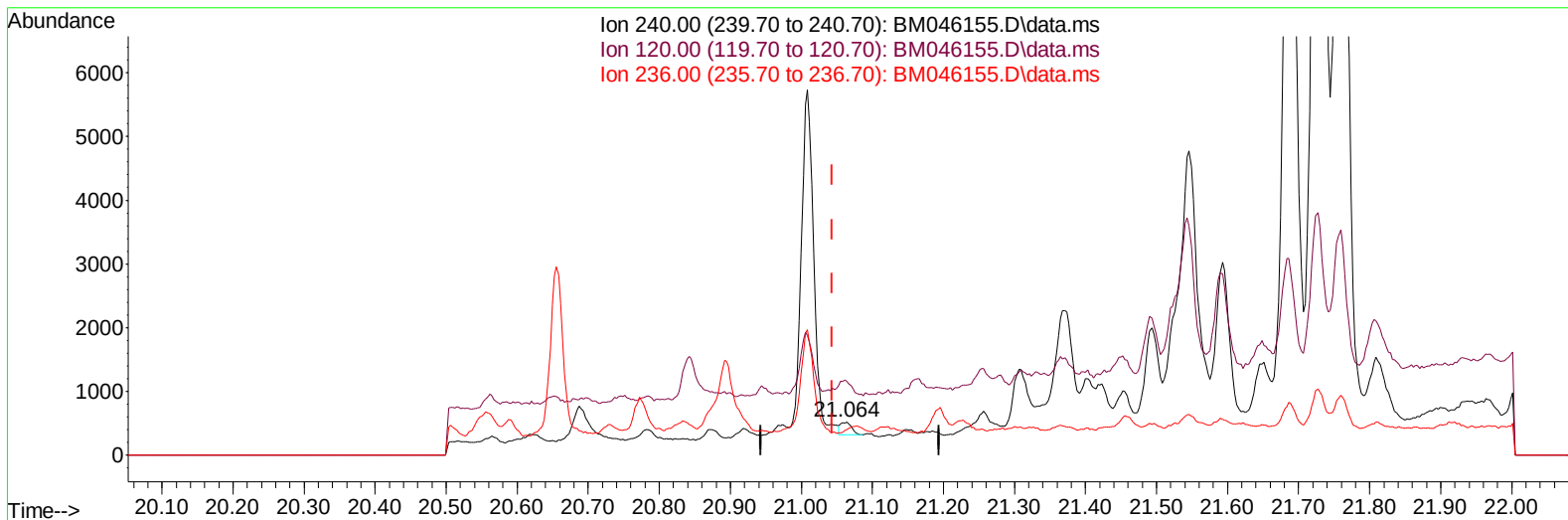
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 2024
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TIC: BM046155.D\data.ms

(17) Chrysene-d12

21.064min (+ 0.020) 0.40 ng/u1

response 199

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	224.37#
236.00	33.60	77.37#
0.00	0.00	0.00

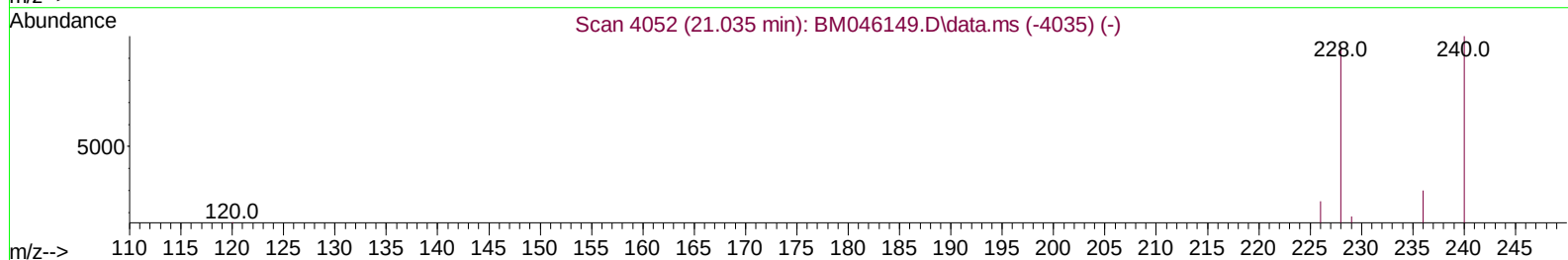
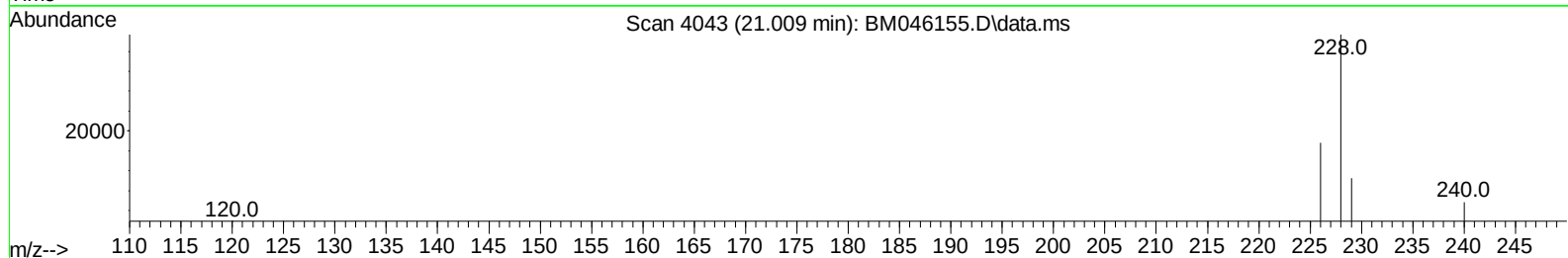
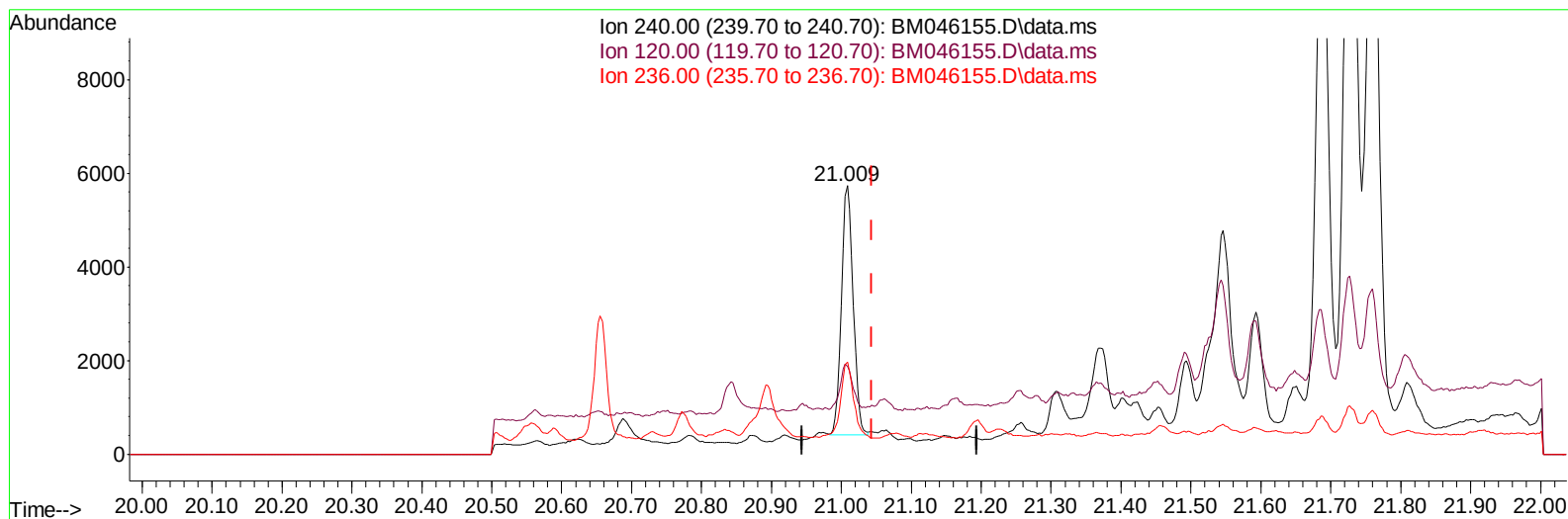
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 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: BM046155.D\data.ms

(17) Chrysene-d12

21.009min (-0.035) 0.40 ng/ul m

response 6170

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	32.68#
236.00	33.60	34.30
0.00	0.00	0.00

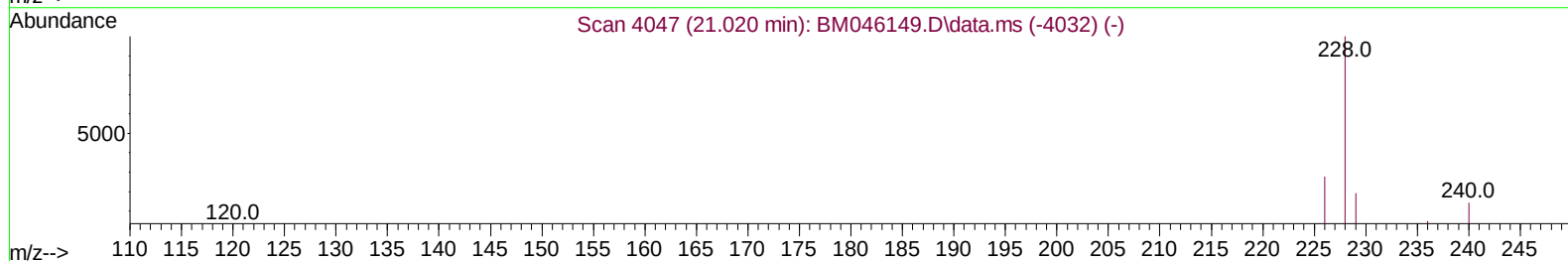
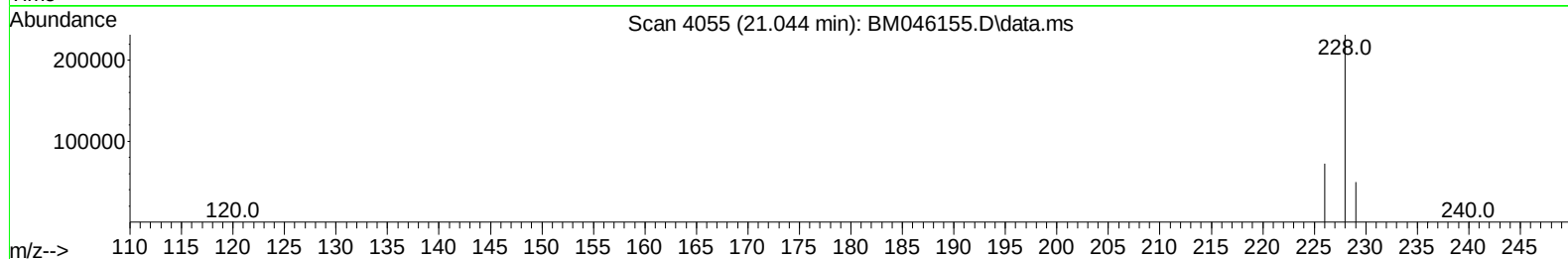
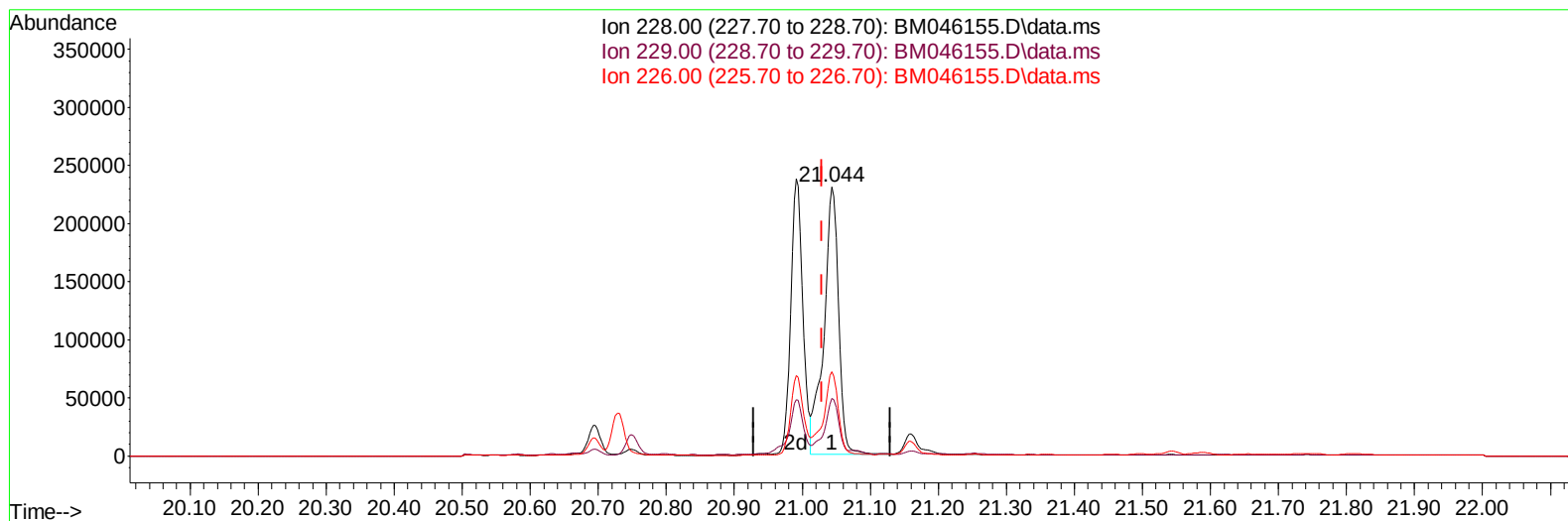
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 2024
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TIC: BM046155.D\data.ms

(21) Benzo(a)anthracene

21.044min (+ 0.014) 14.42 ng/ul

response 343714

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.41
226.00	29.30	31.35
0.00	0.00	0.00

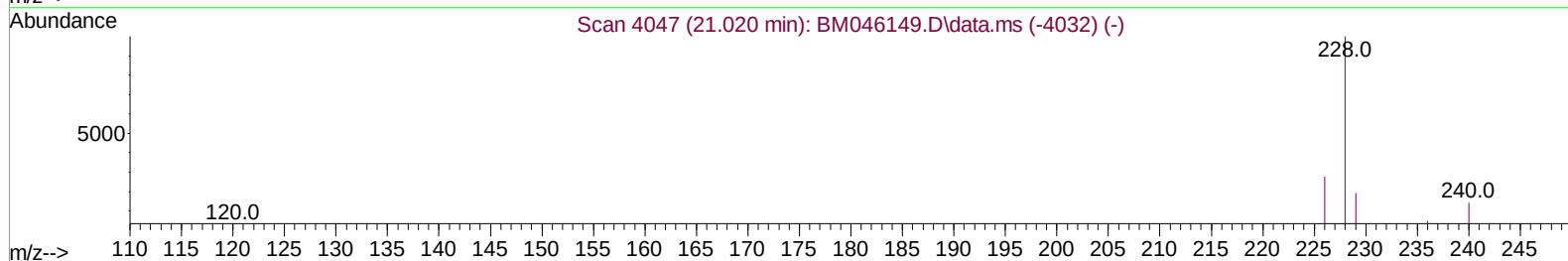
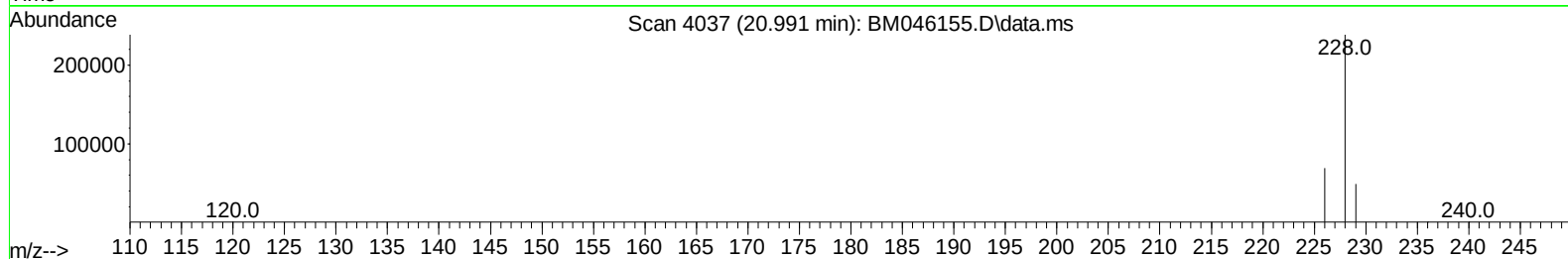
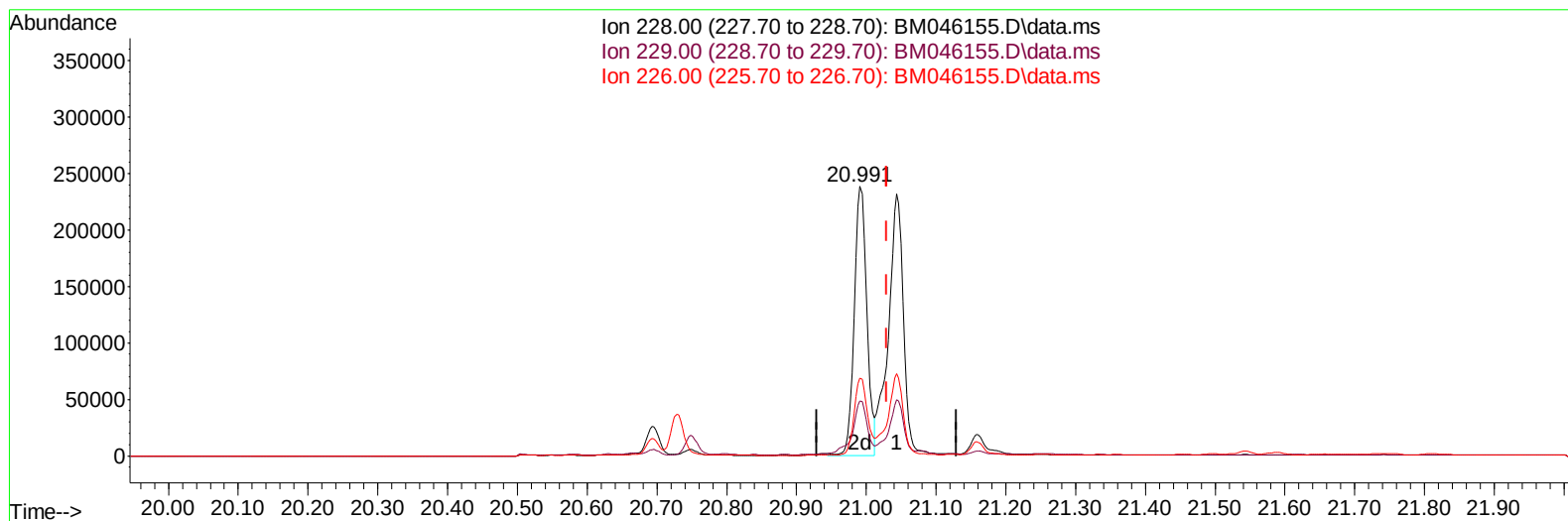
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 2024
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TIC: BM046155.D\data.ms

(21) Benzo(a)anthracene

20.991min (-0.038) 12.62 ng/ul m

response 300694

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.42
226.00	29.30	29.02
0.00	0.00	0.00

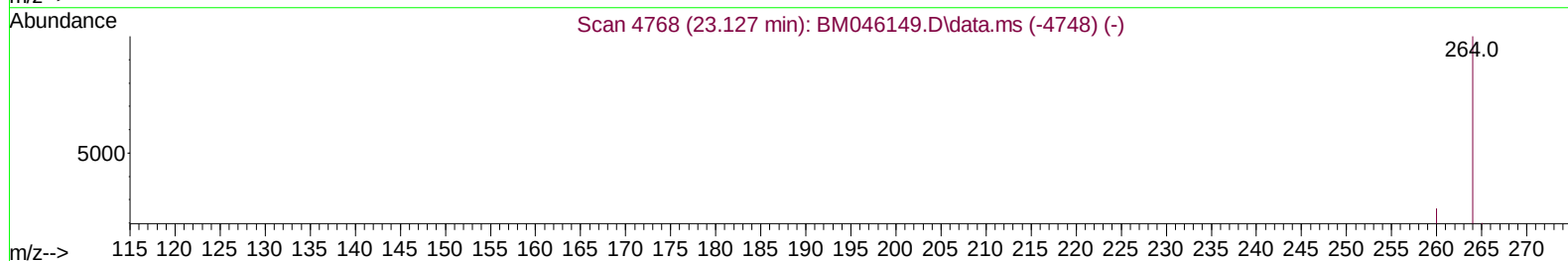
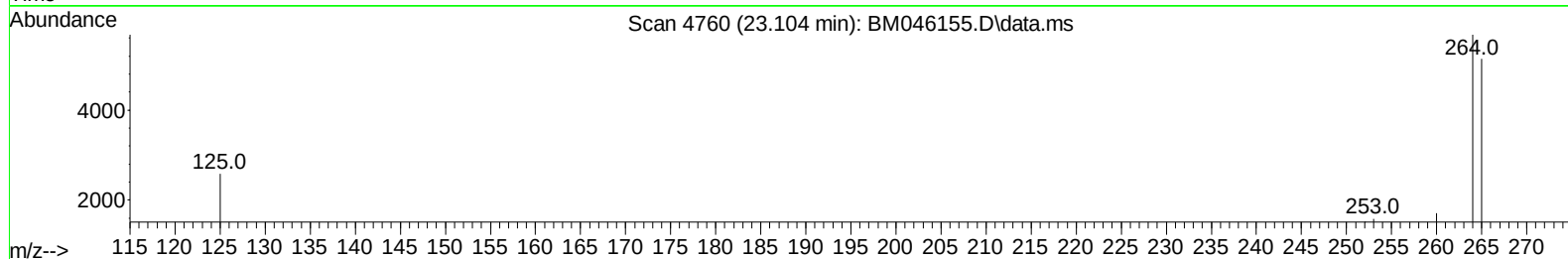
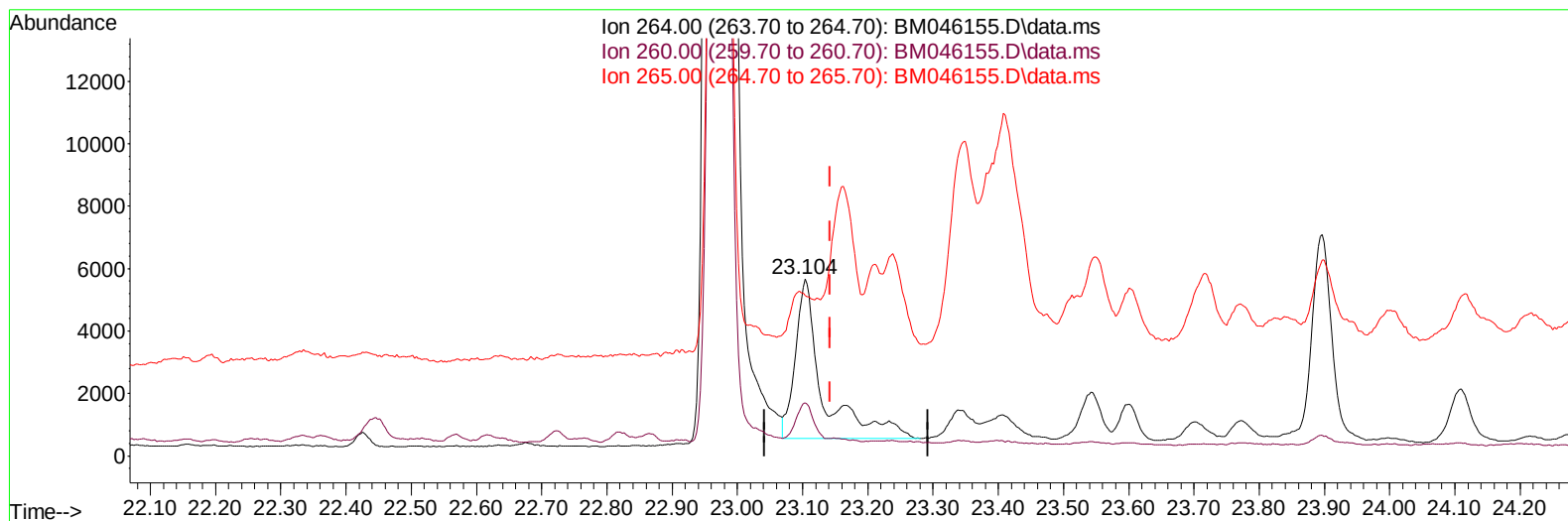
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046155.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/u1

response 15001

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	30.14
265.00	110.60	90.50
0.00	0.00	0.00

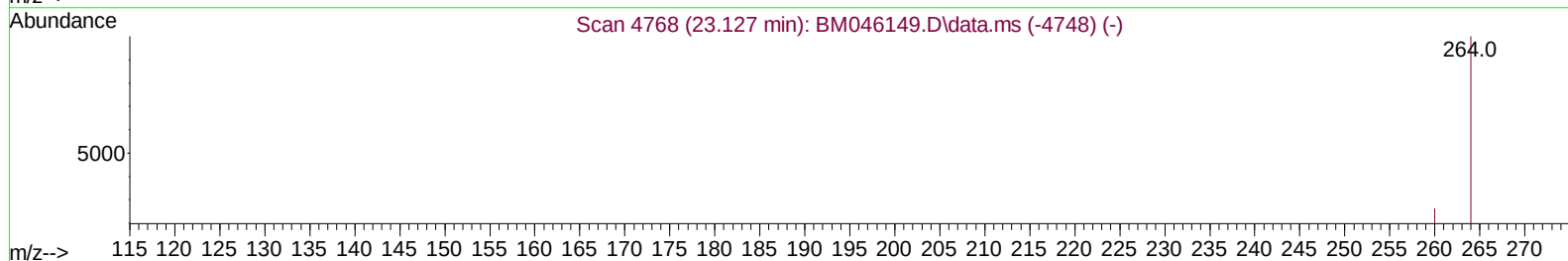
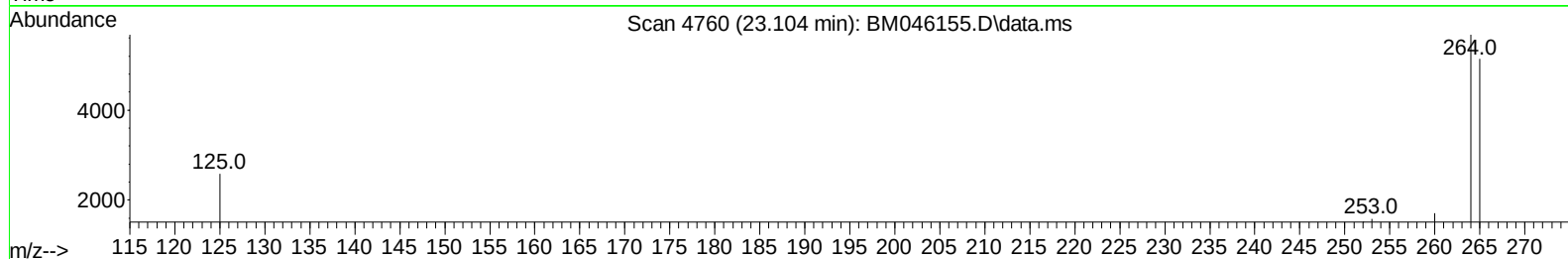
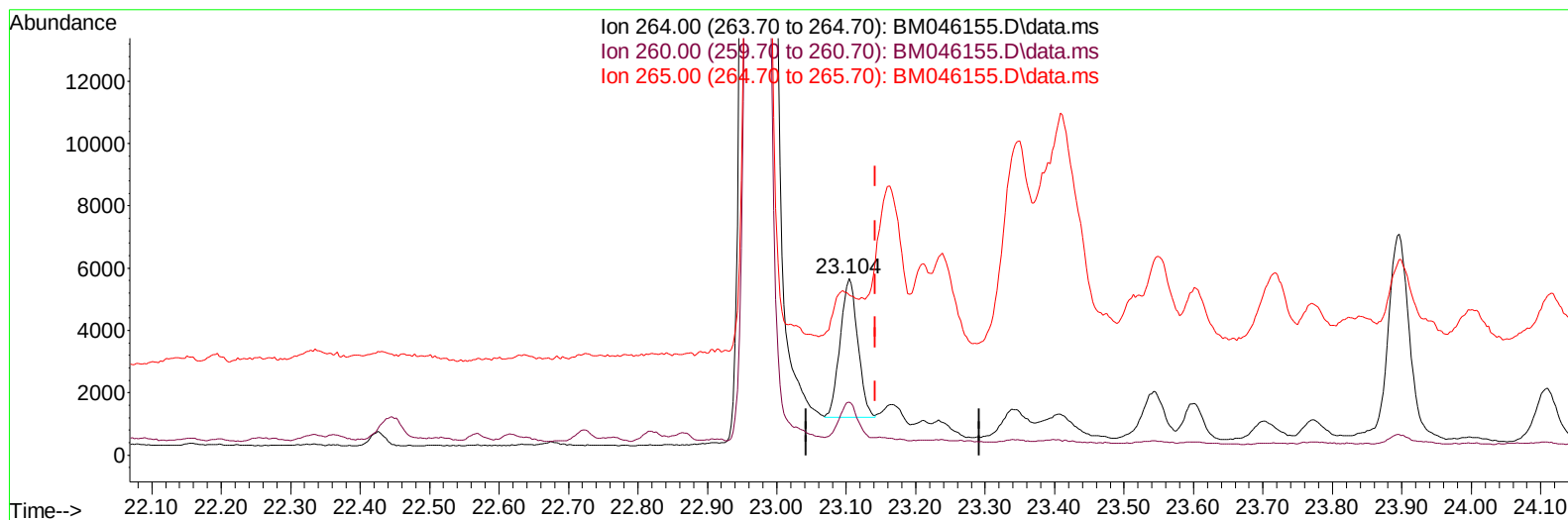
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046155.D
 Acq On : 21 Jun 2024 12:04
 Operator : MA/JU
 Sample : P2754-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP6

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 06/24/2024



TIC: BM046155.D\data.ms

(23) Perylene-d12 (I)

23.104min (-0.038) 0.40 ng/ul m

response 7806

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	30.14
265.00	110.60	90.50
0.00	0.00	0.00

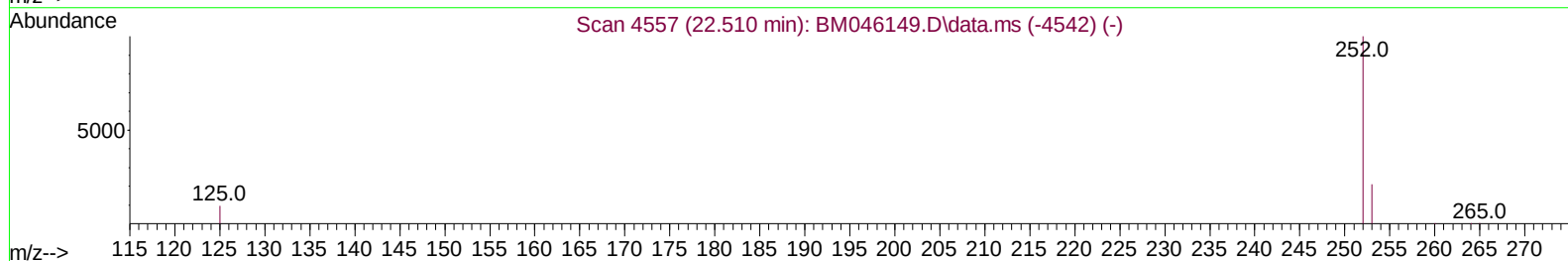
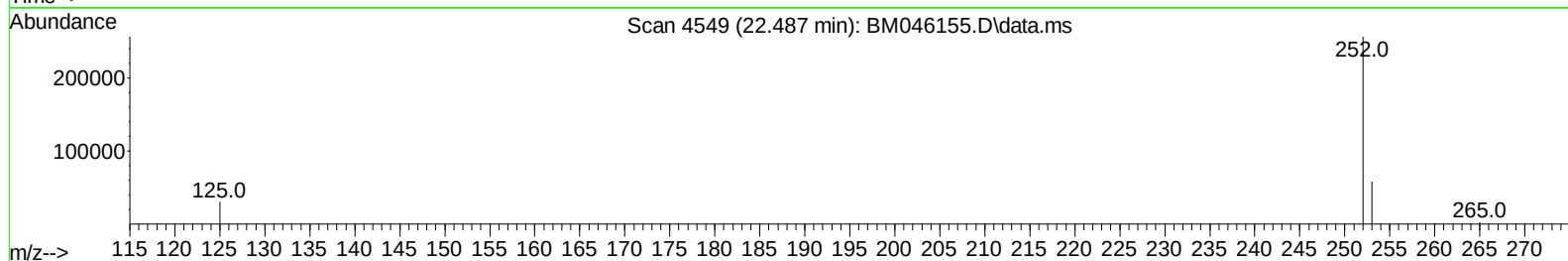
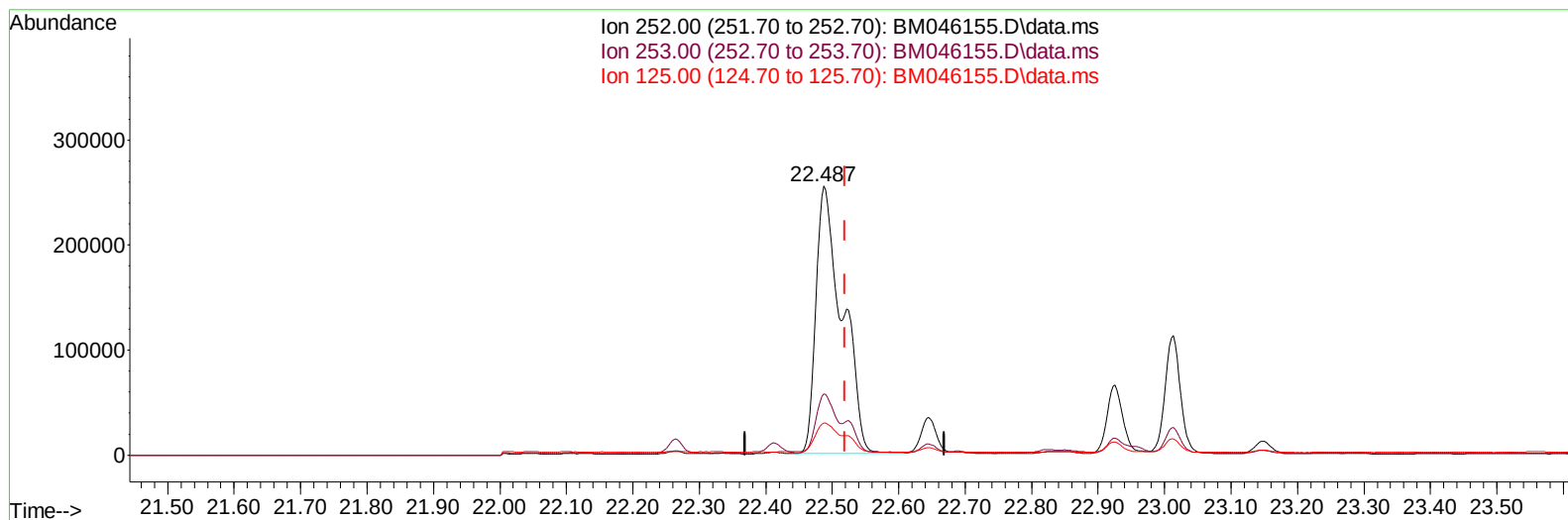
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046155.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.032) 24.81 ng/u1

response 697728

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.74
125.00	20.10	11.88
0.00	0.00	0.00

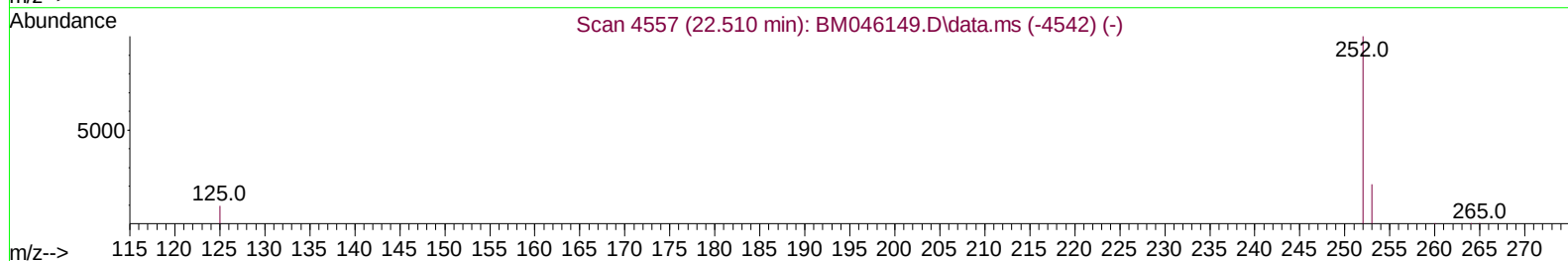
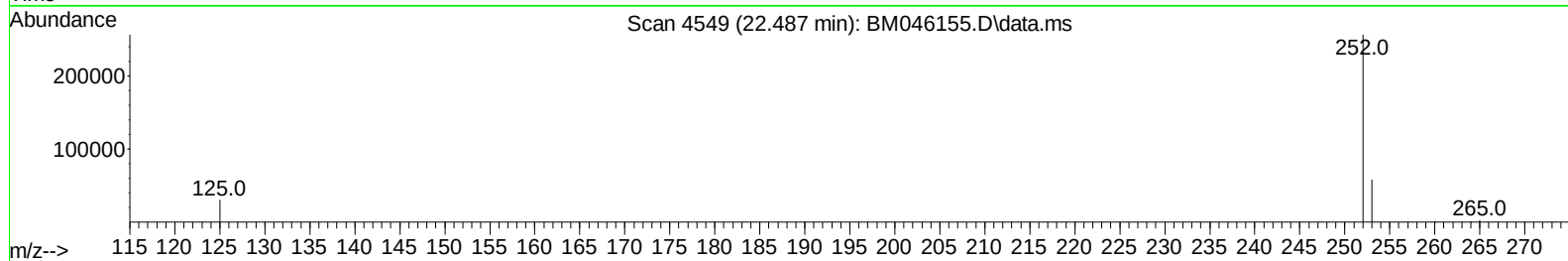
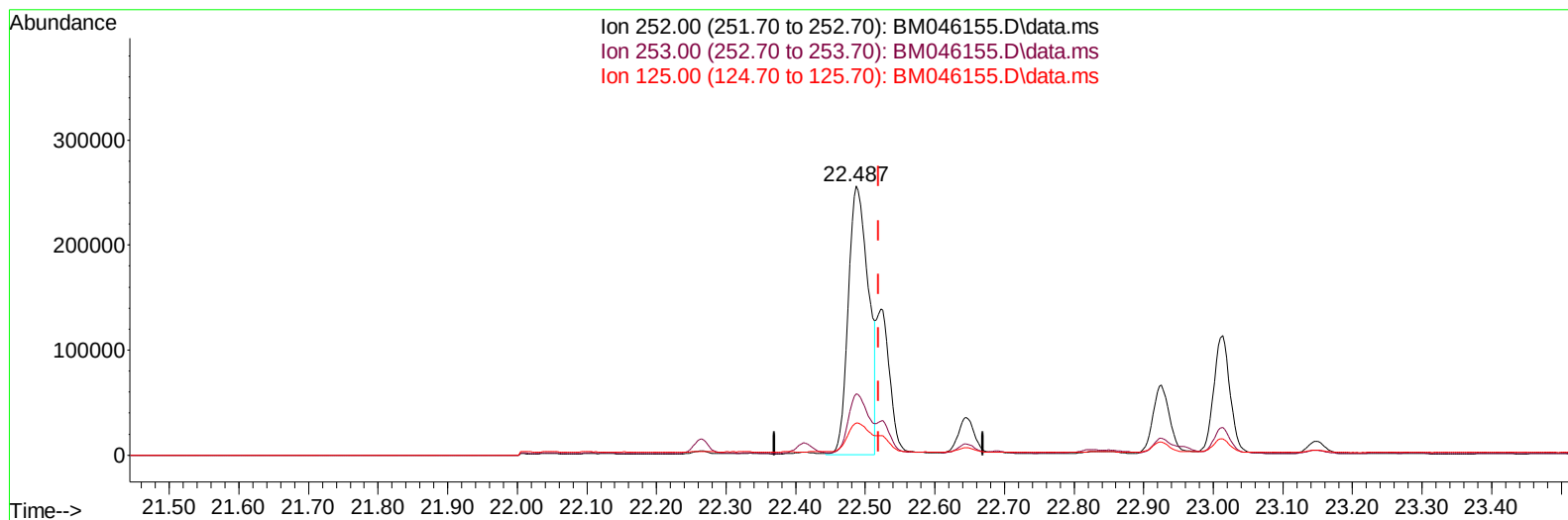
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

Manual IntegrationsAPPROVED

Quant Time: Jun 21 12:59:58 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: BM046155.D\data.ms

(24) Benzo(b)fluoranthene

22.487min (-0.032) 18.28 ng/ul m

response 514179

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.74
125.00	20.10	11.88
0.00	0.00	0.00

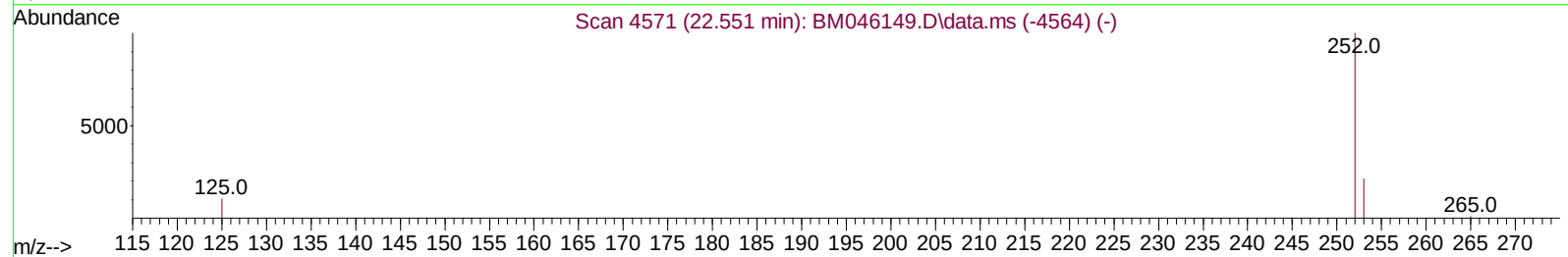
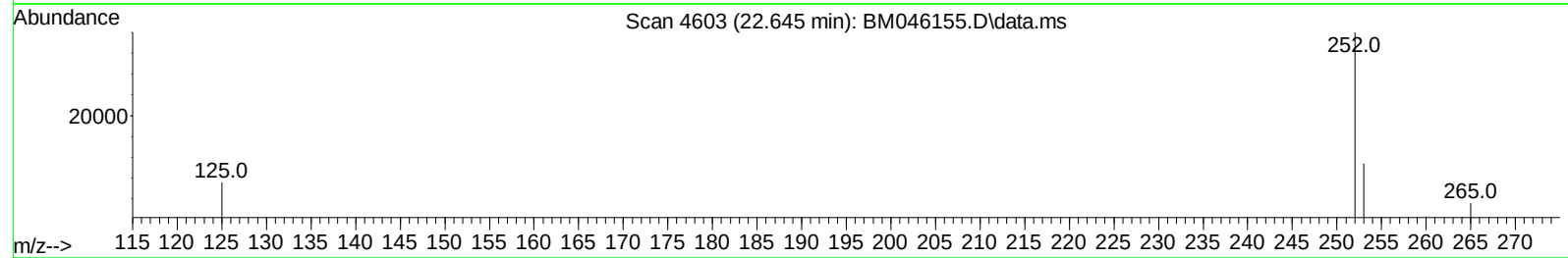
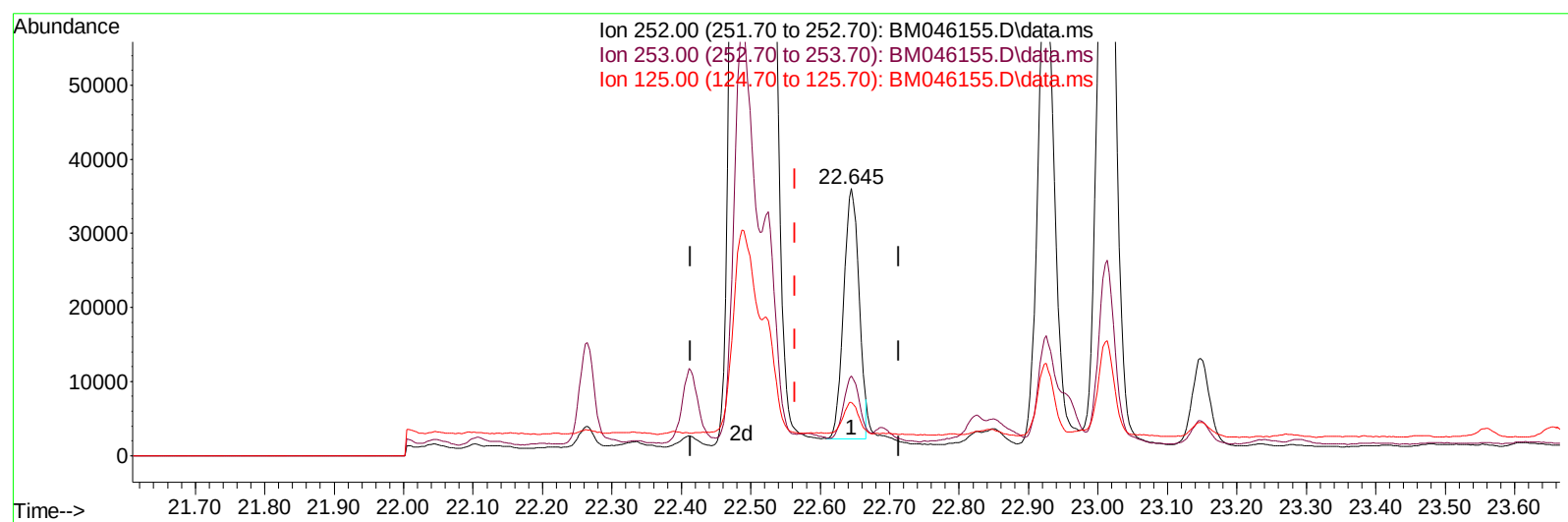
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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TIC: BM046155.D\data.ms

(25) Benzo(k)fluoranthene

22.645min (+ 0.082) 1.55 ng/u1

response 51874

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	29.84
125.00	20.80	19.84
0.00	0.00	0.00

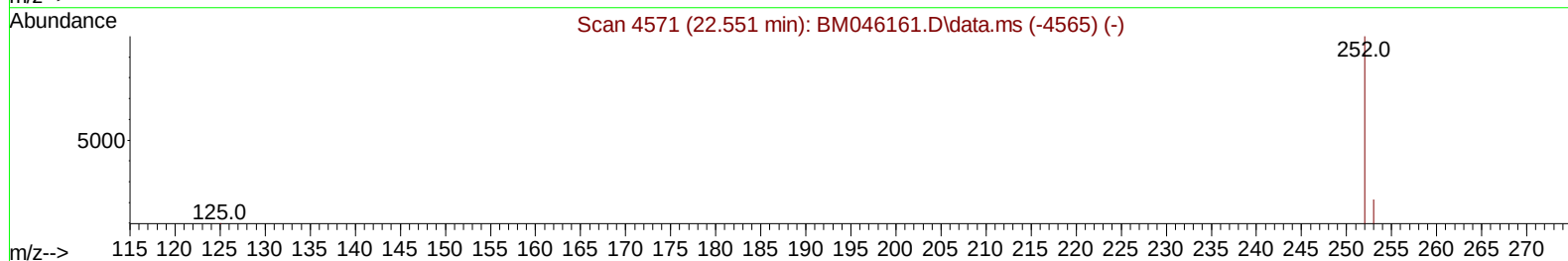
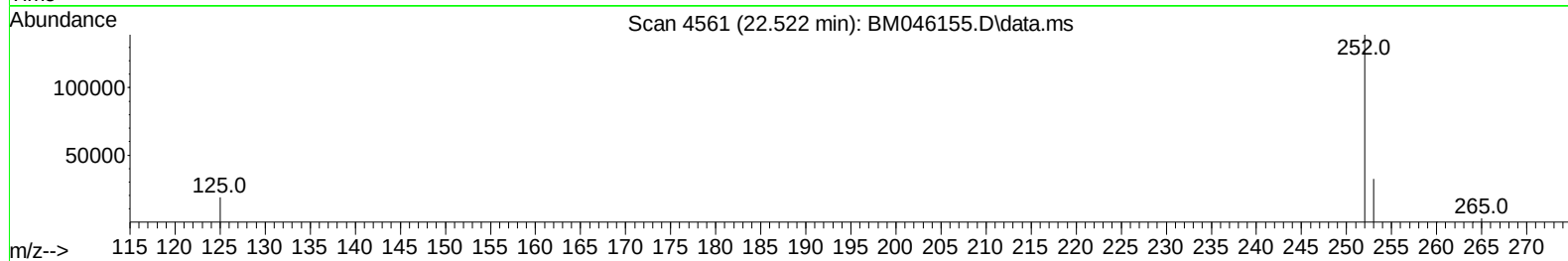
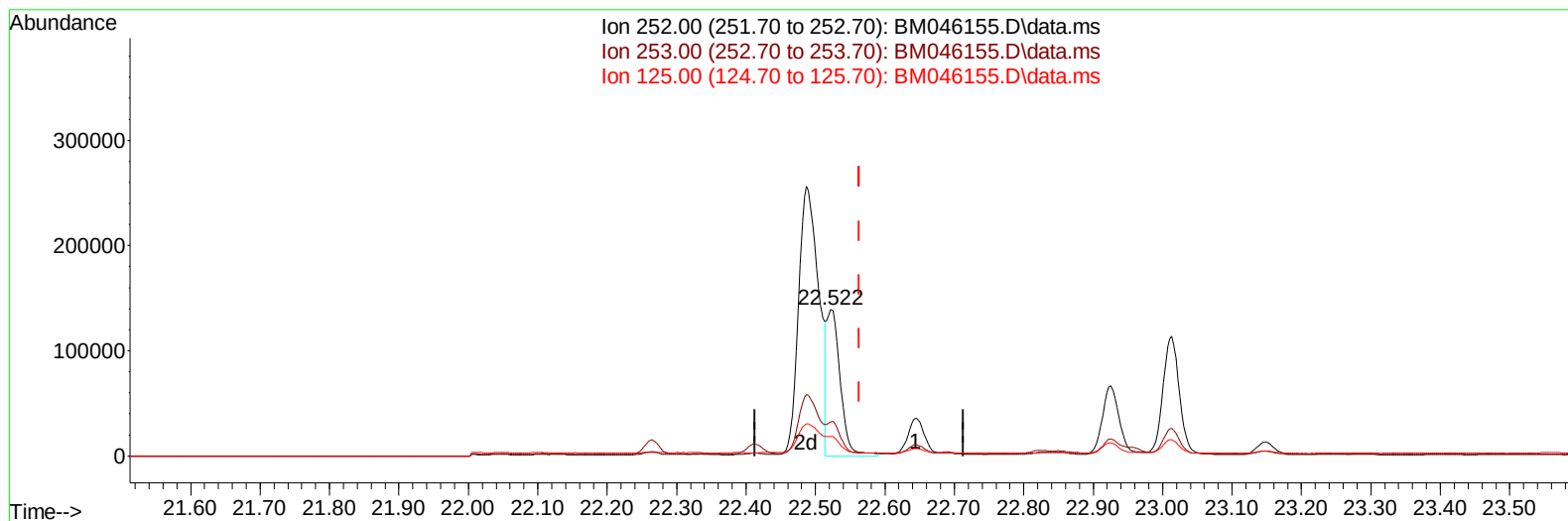
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046155.D
Acq On : 21 Jun 2024 12:04
Operator : MA/JU
Sample : P2754-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BP6

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TIC: BM046155.D\data.ms

(25) Benzo(k)fluoranthene

22.522min (-0.041) 5.72 ng/u1 m

response 191336

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.27#
125.00	20.80	13.42#
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P2754-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BP6

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2471	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.189	136	7113	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.067	164	3925	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.808	188	8845m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.009	240	6170m	0.400	ng/ul	-0.04
23) Perylene-d12	23.104	264	7806m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	16567	4.887	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.805	152	3683	0.386	ng/ul	-0.06
18) Fluoranthene-d10	18.840	212	8680	0.470	ng/ul	-0.05
Target Compounds						
						Qvalue
5) Naphthalene	10.238	128	9406	0.474	ng/ul	95
7) 2-Methylnaphthalene	11.877	142	2970	0.266	ng/ul	94
8) 1-Methylnaphthalene	12.097	142	2325	0.190	ng/ul	99
10) Acenaphthylene	13.780	152	19054	1.023	ng/ul	98
11) Acenaphthene	14.127	153	9640	0.717	ng/ul	99
12) Fluorene	15.122	166	11421	0.792	ng/ul	100
15) Phenanthrene	16.846	178	278364m	11.202	ng/ul	
16) Anthracene	16.943	178	52929m	2.860	ng/ul	
19) Fluoranthene	18.872	202	689870	25.823	ng/ul	96
20) Pyrene	19.235	202	479711	16.604	ng/ul	97
21) Benzo(a)anthracene	20.991	228	300694m	12.617	ng/ul	
22) Chrysene	21.044	228	343484	11.293	ng/ul	99
24) Benzo(b)fluoranthene	22.487	252	514179m	18.283	ng/ul	
25) Benzo(k)fluoranthene	22.522	252	191336m	5.723	ng/ul	
26) Benzo(a)pyrene	23.013	252	184254	7.070	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	25.148	276	198482	4.654	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.148	278	62350	1.964	ng/ul	93
29) Benzo(g,h,i)perylene	25.772	276	28148	0.770	ng/ul	96

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

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