

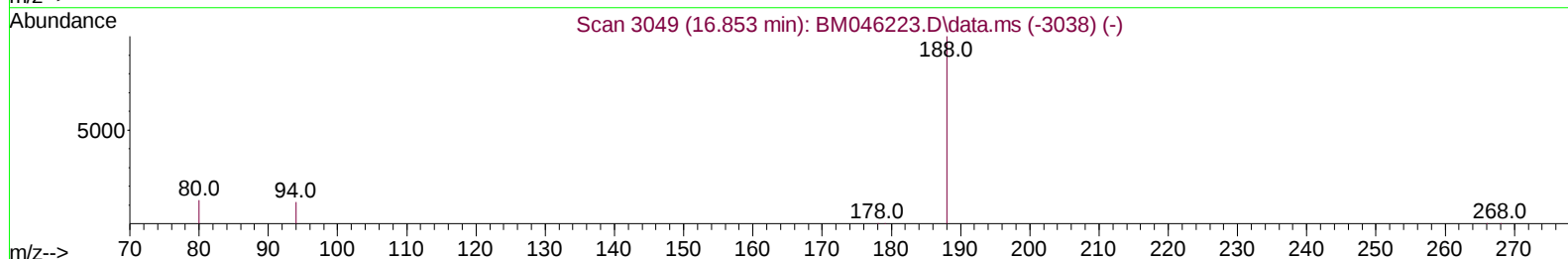
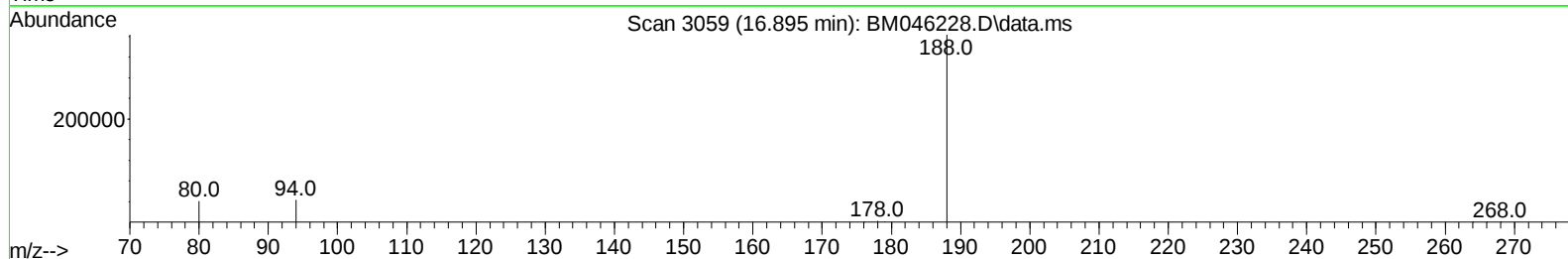
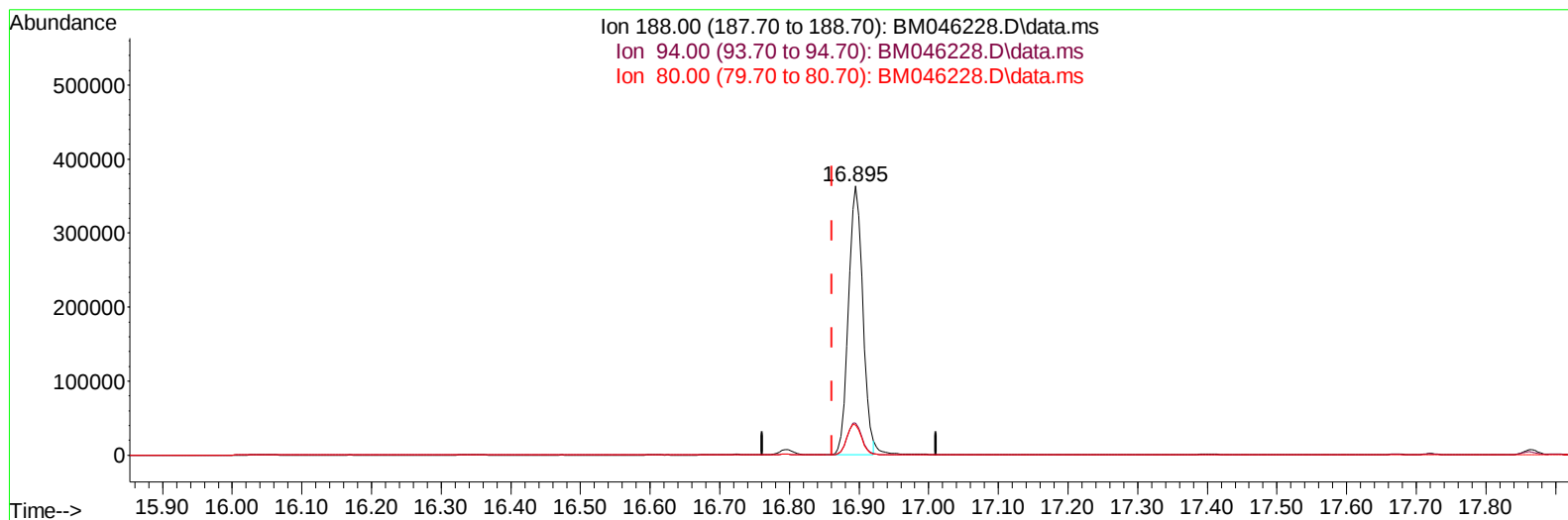
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(13) Phenanthrene-d10 (I)

16.895min (+ 0.034) 0.40 ng/u1

response 515570

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.87
80.00	15.20	11.28#
0.00	0.00	0.00

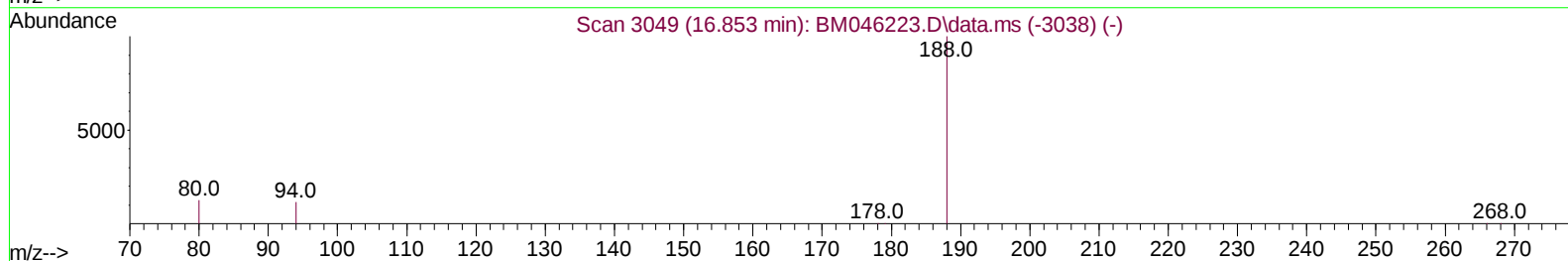
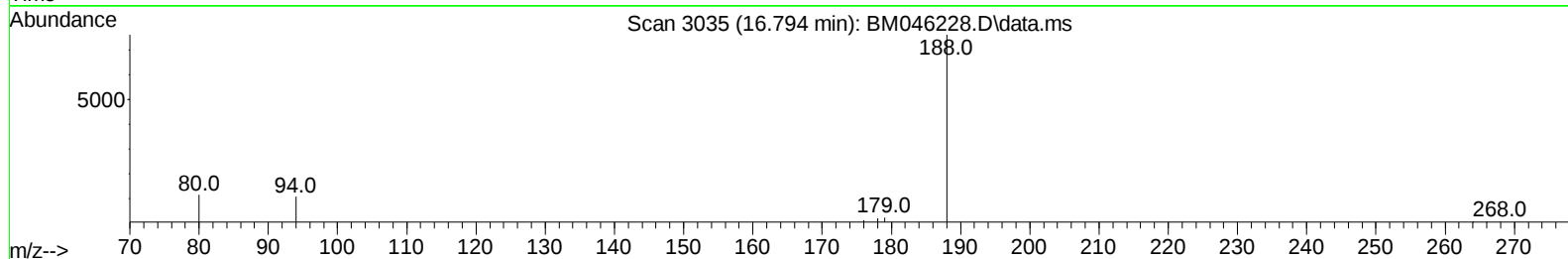
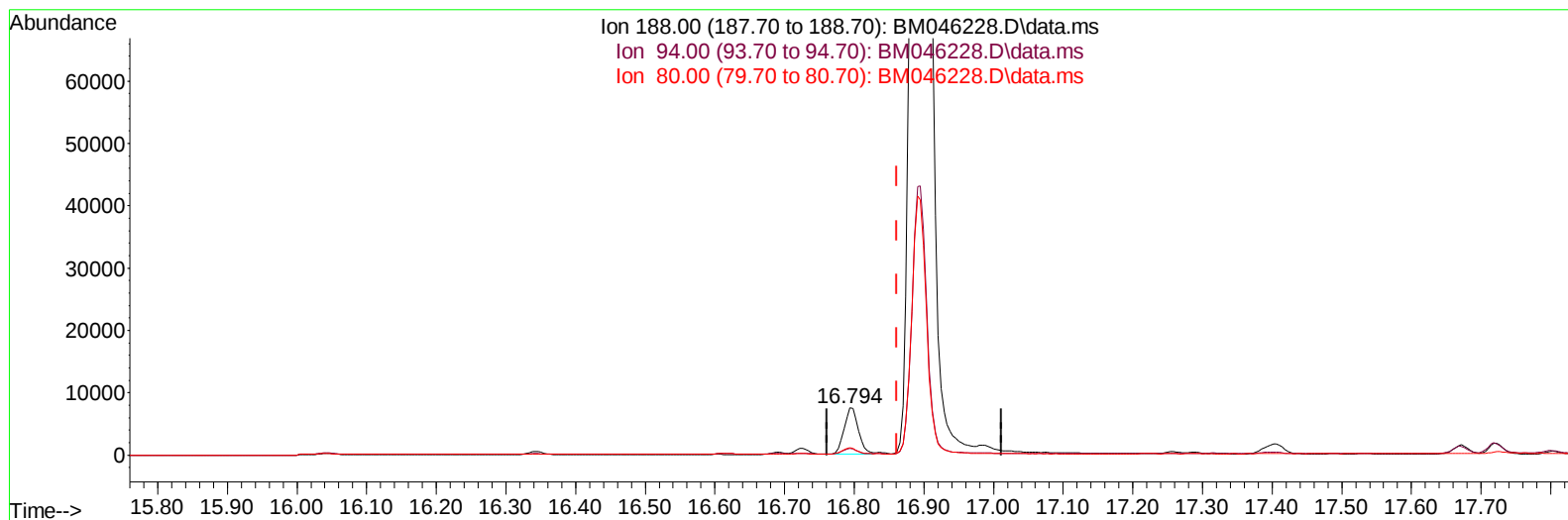
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(13) Phenanthrene-d10 (I)

16.794min (-0.067) 0.40 ng/ul m

response 10745

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	14.13
80.00	15.20	15.05
0.00	0.00	0.00

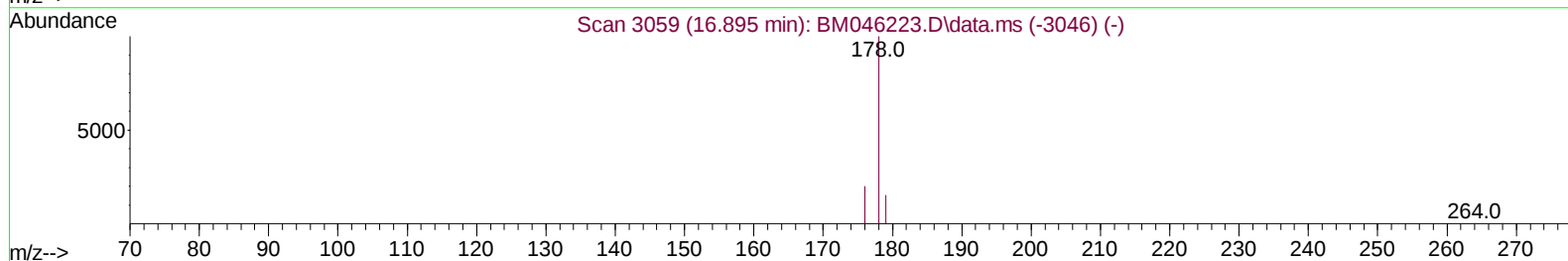
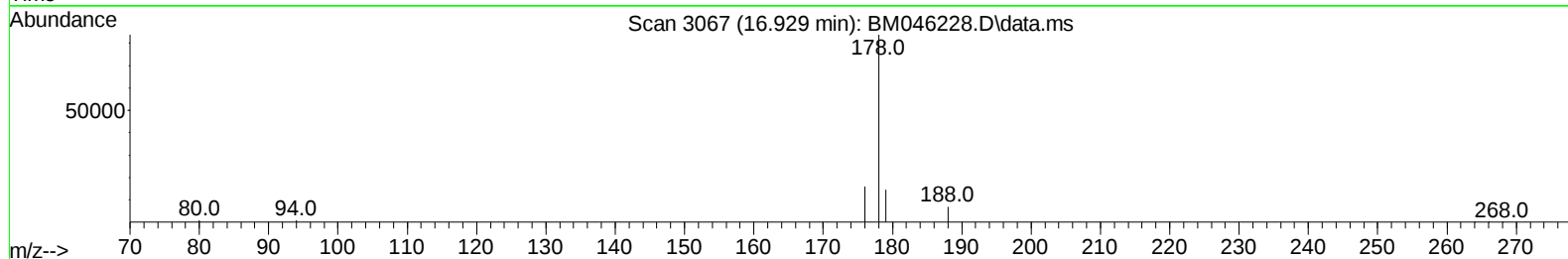
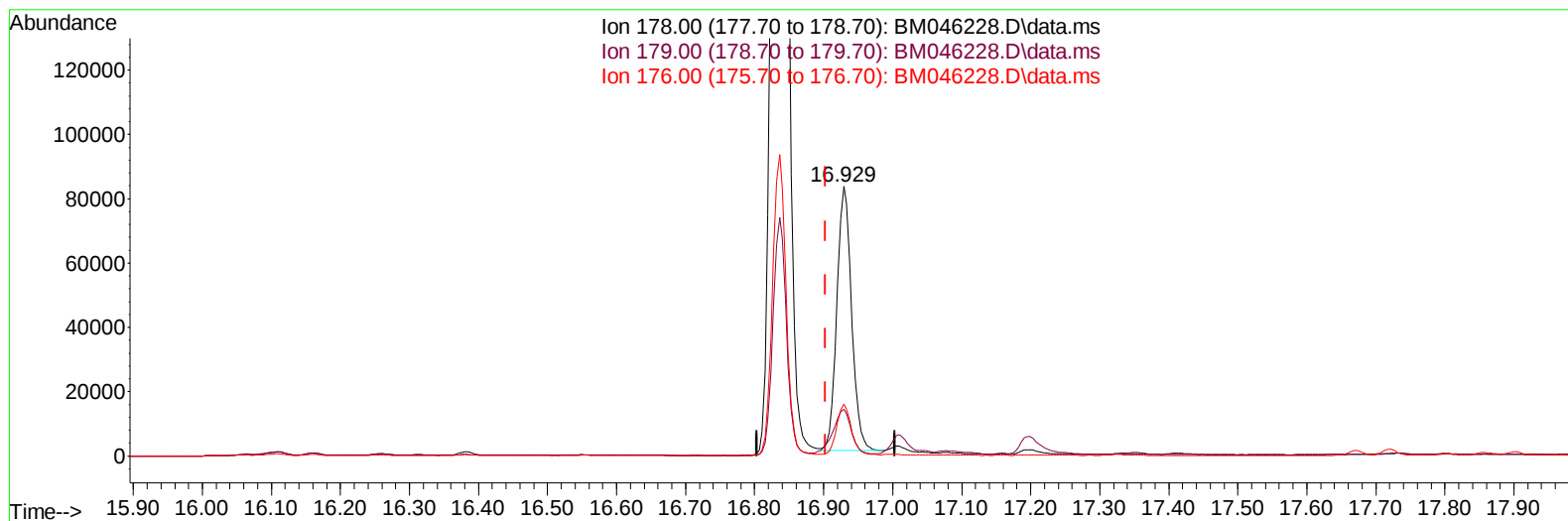
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046228.D
 Acq On : 23 Jun 2024 10:47
 Operator : MA/JU
 Sample : P2776-20
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046228.D\data.ms

(15) Phenanthrene

16.929min (+ 0.025) 4.03 ng/u1

response 121584

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	17.35
176.00	21.40	19.14
0.00	0.00	0.00

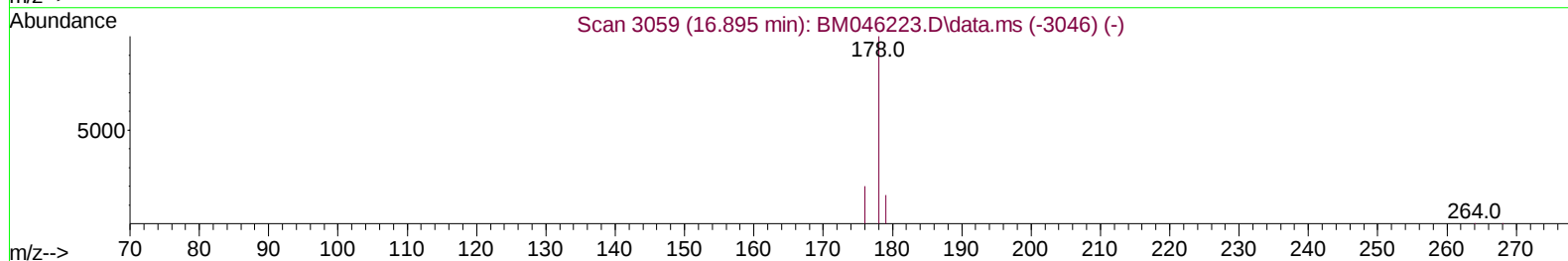
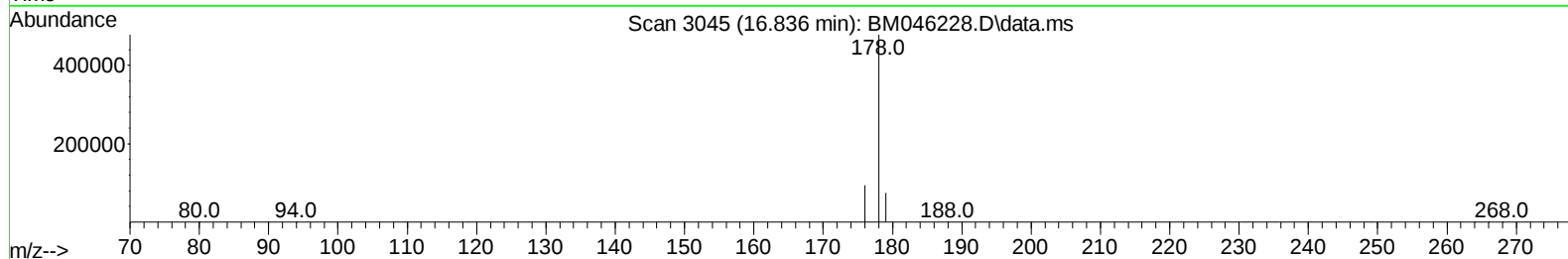
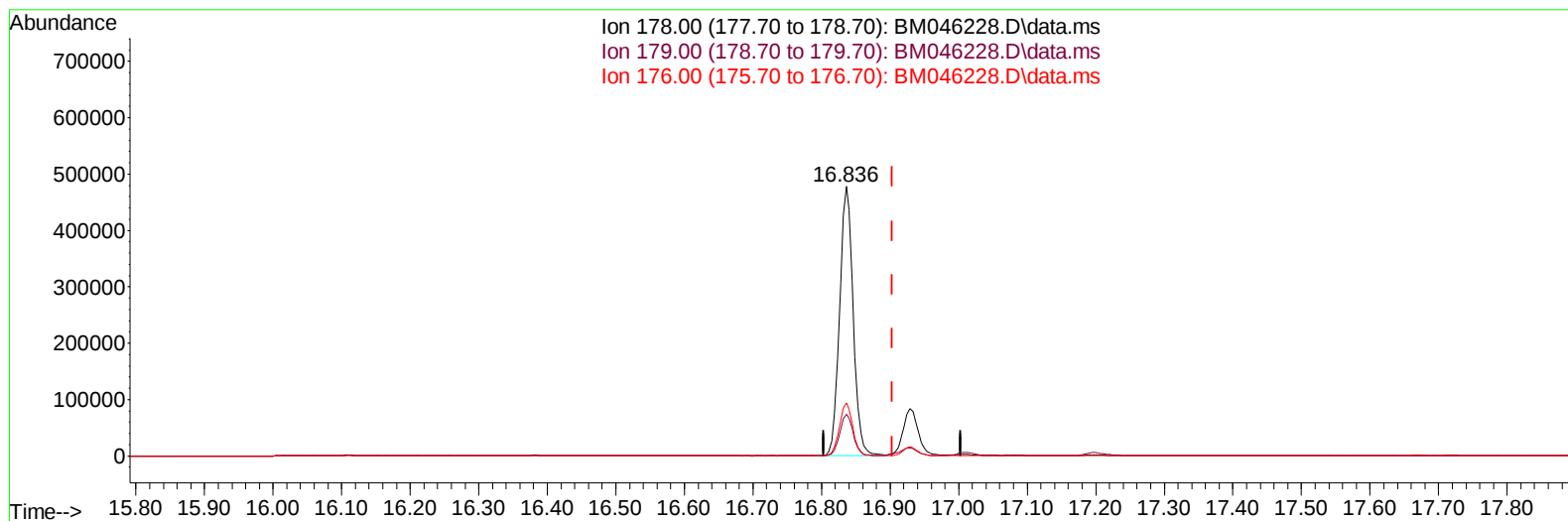
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(15) Phenanthrene

16.836min (-0.068) 21.77 ng/ul m

response 657128

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.51
176.00	21.40	19.61
0.00	0.00	0.00

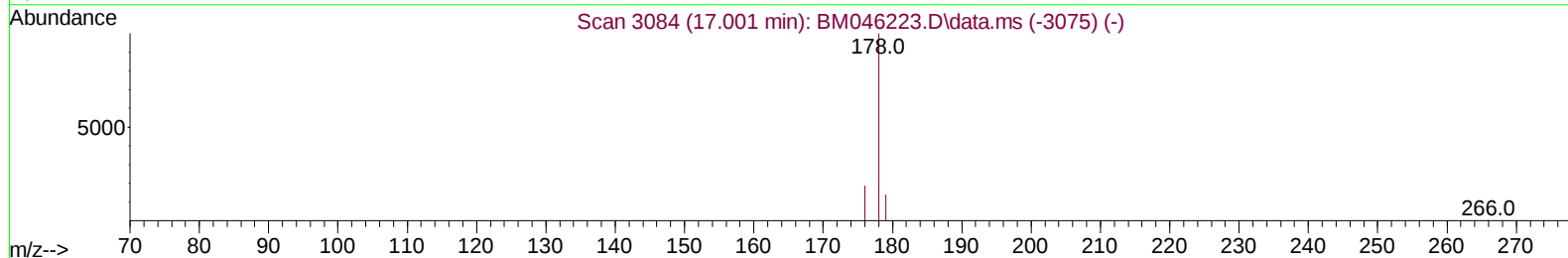
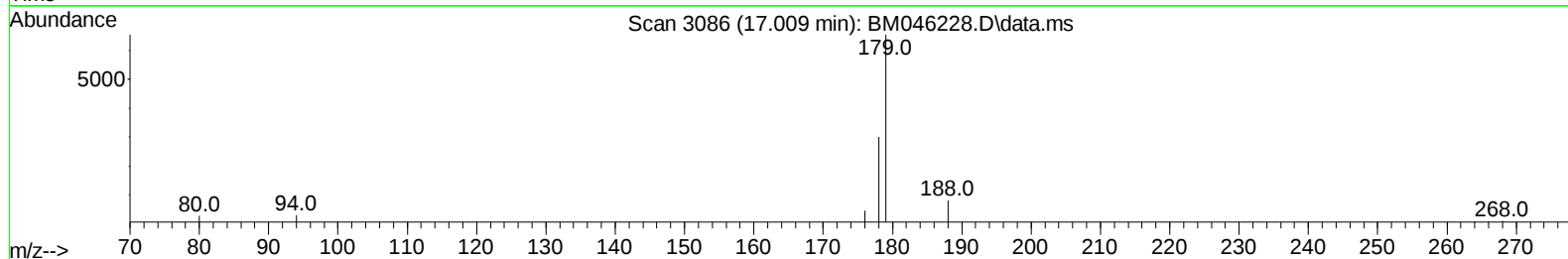
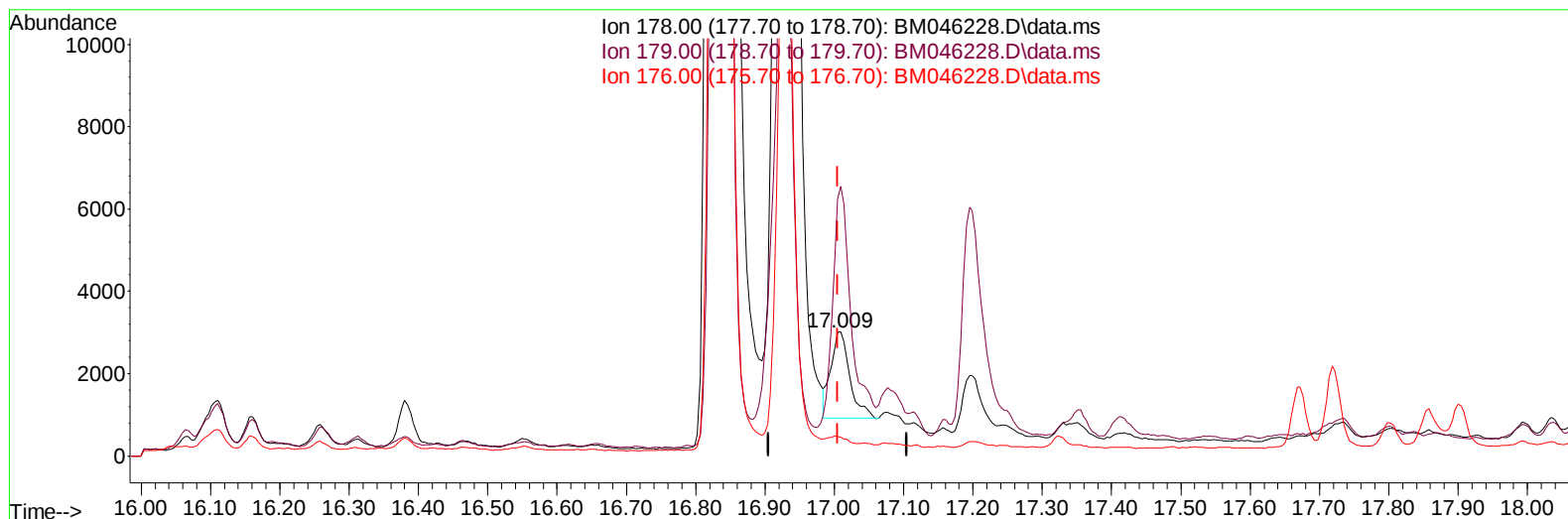
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
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Reviewed By :Yogesh Patel 06/24/2024
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TIC: BM046228.D\data.ms

(16) Anthracene

17.009min (+ 0.004) 0.18 ng/u1

response 4019

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	217.44#
176.00	21.20	15.41#
0.00	0.00	0.00

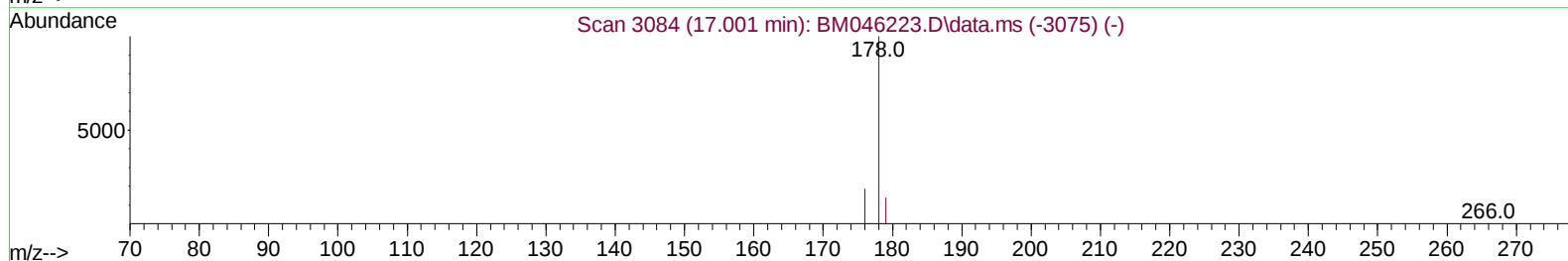
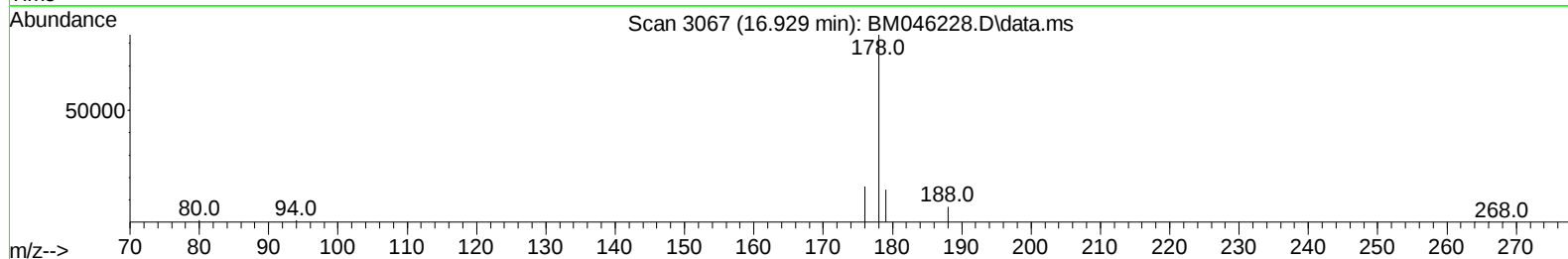
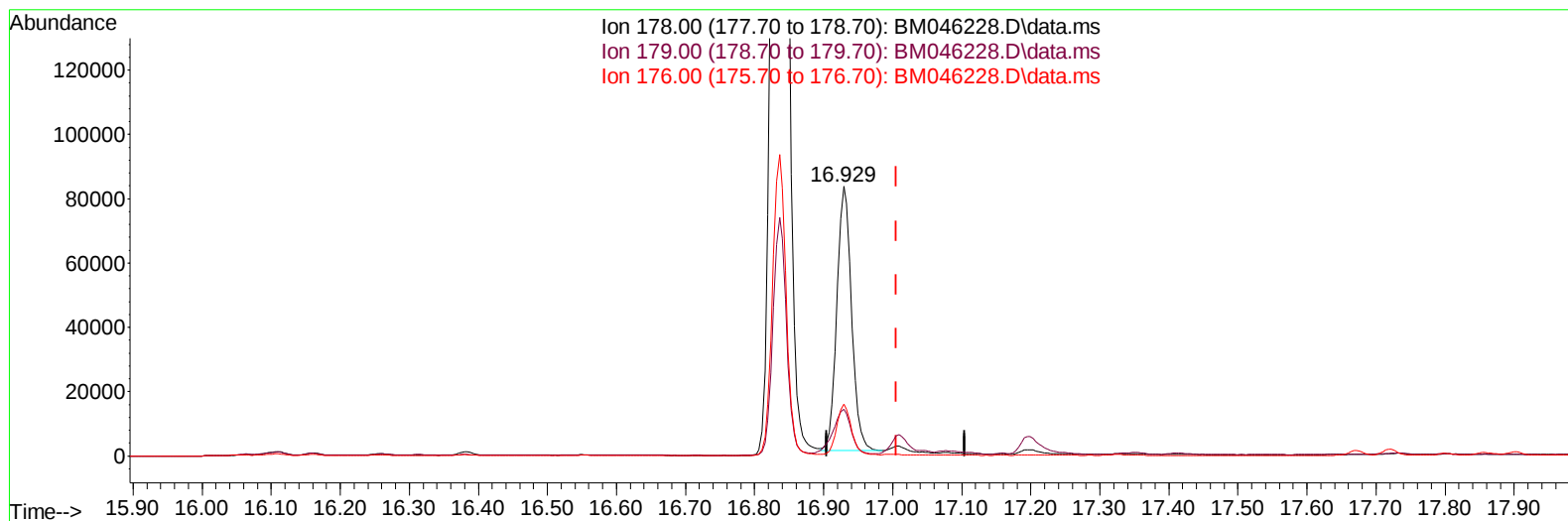
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Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration



TIC: BM046228.D\data.ms

(16) Anthracene

16.929min (-0.076) 5.41 ng/u1 m

response 121621

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	17.35
176.00	21.20	19.14
0.00	0.00	0.00

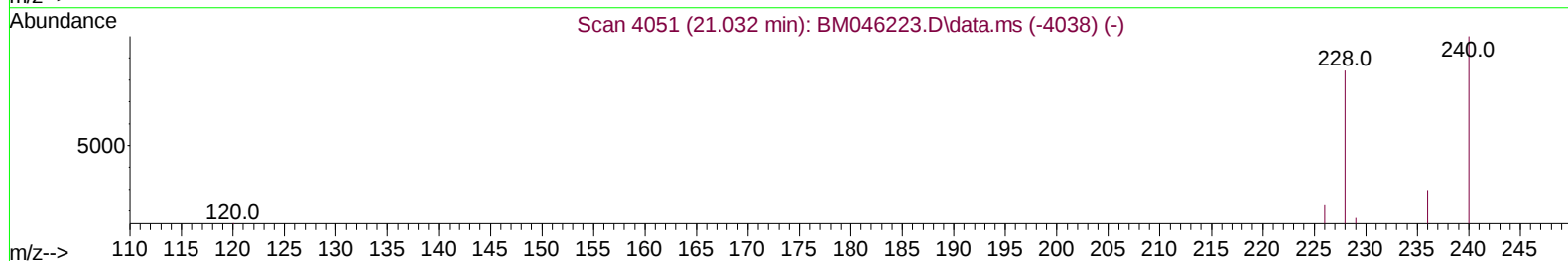
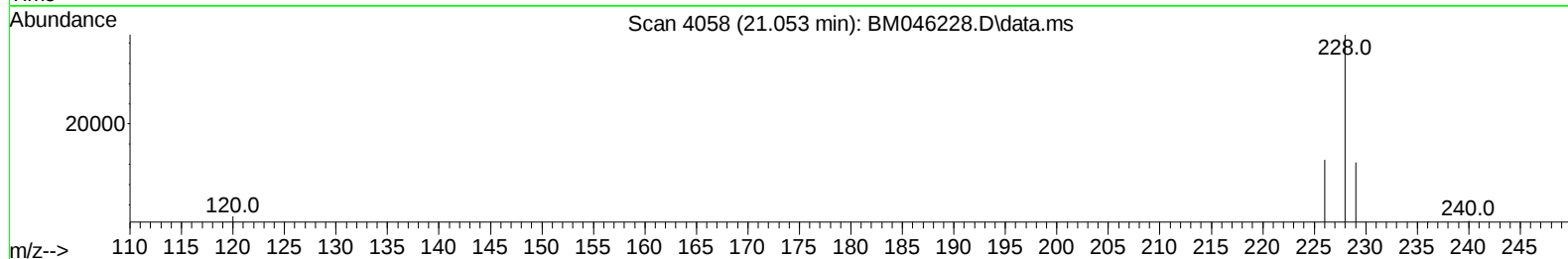
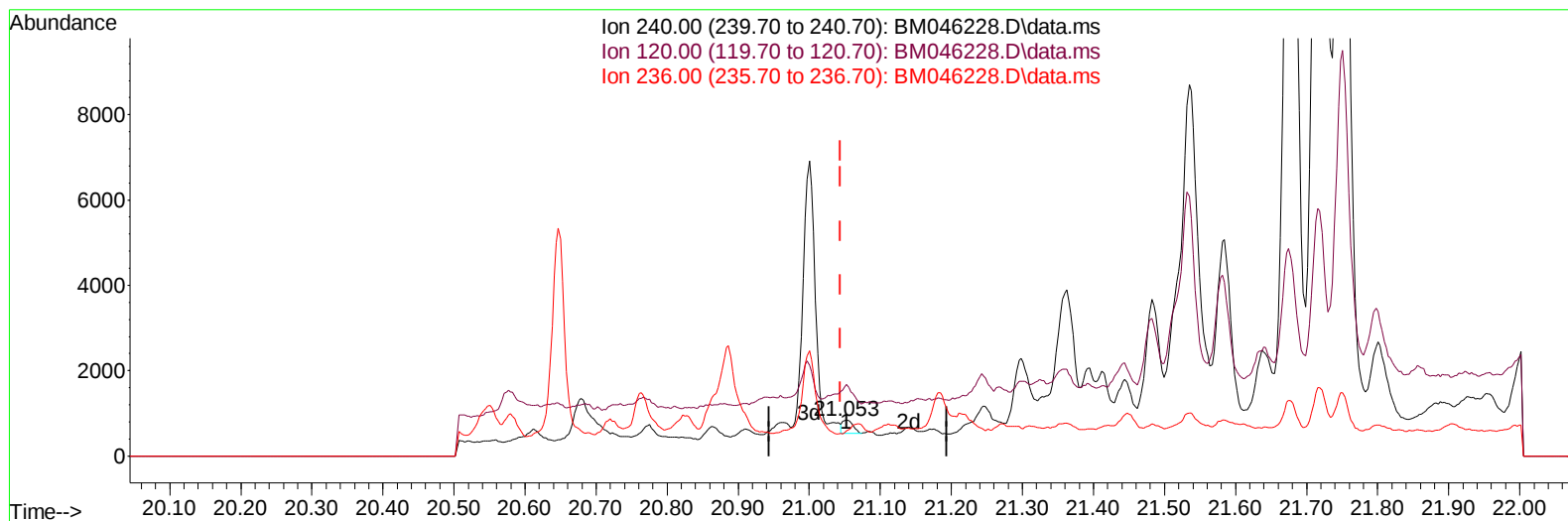
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(17) Chrysene-d12

21.053min (+ 0.009) 0.40 ng/u1

response 324

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	199.17#
236.00	33.60	69.49#
0.00	0.00	0.00

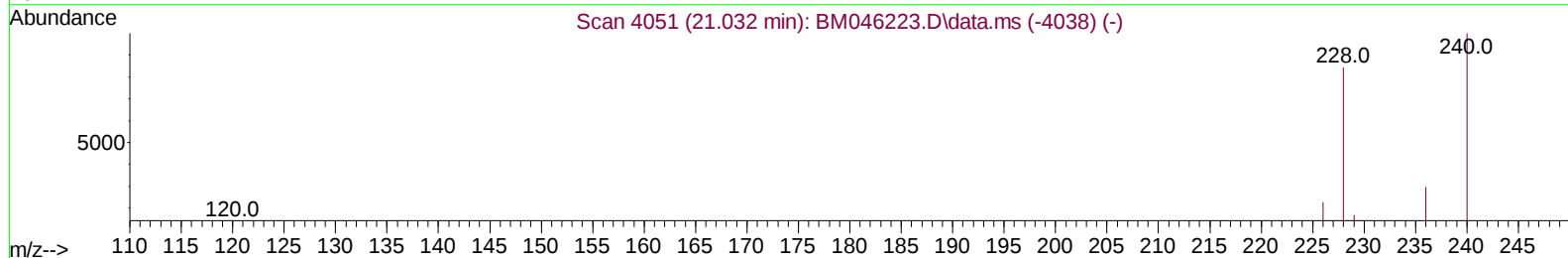
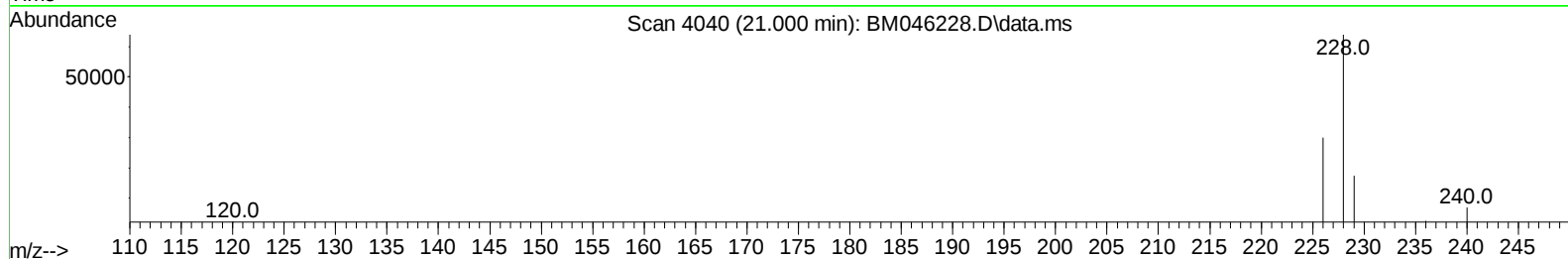
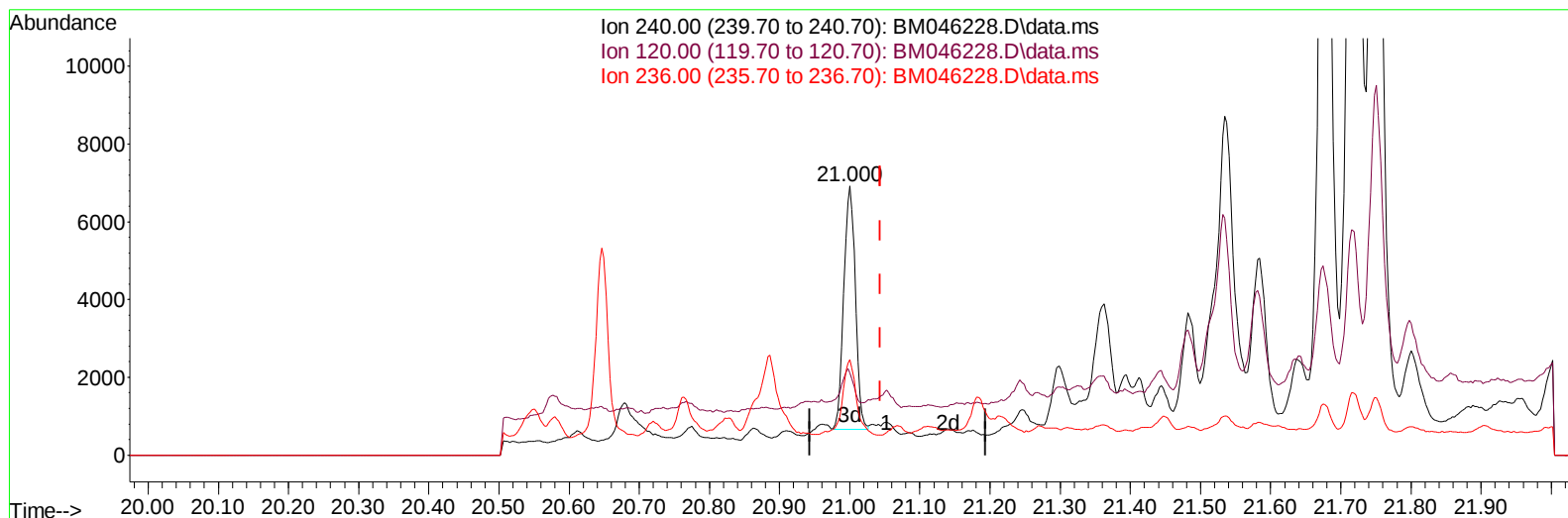
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046228.D
 Acq On : 23 Jun 2024 10:47
 Operator : MA/JU
 Sample : P2776-20
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(17) Chrysene-d12

21.000min (-0.044) 0.40 ng/u1 m

response 7203

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	30.62#
236.00	33.60	35.59
0.00	0.00	0.00

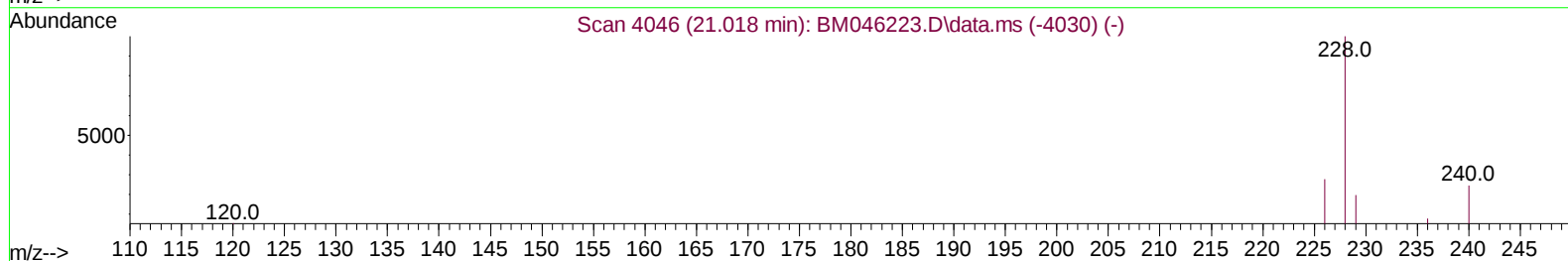
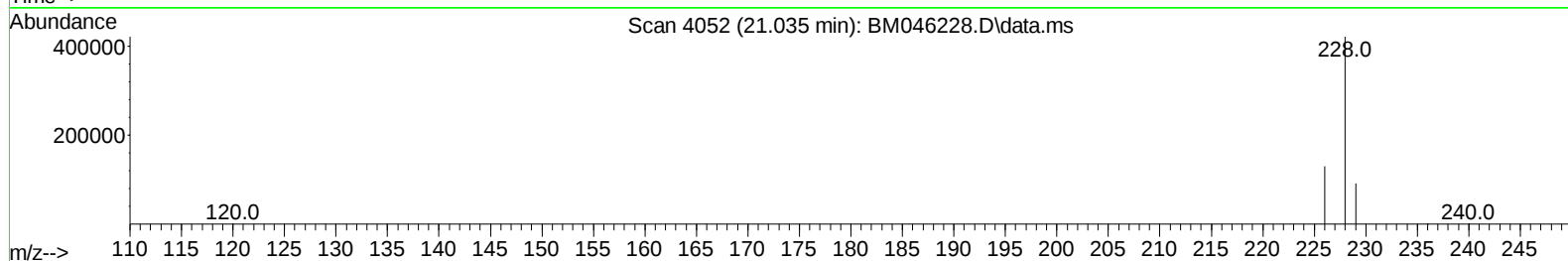
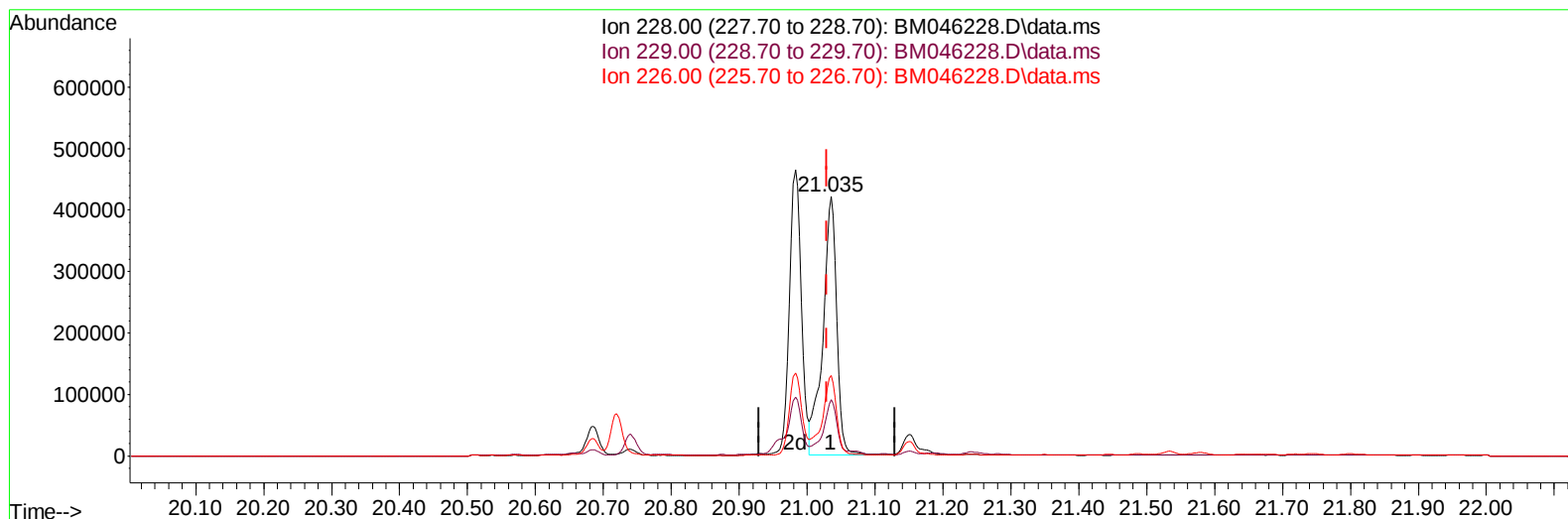
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
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TIC: BM046228.D\data.ms

(21) Benzo(a)anthracene

21.035min (+ 0.006) 21.41 ng/u1

response 595656

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	21.66
226.00	29.30	31.08
0.00	0.00	0.00

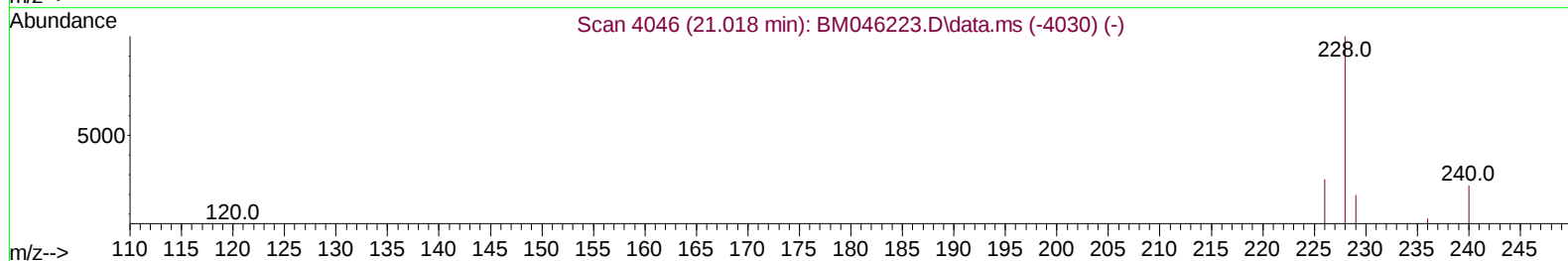
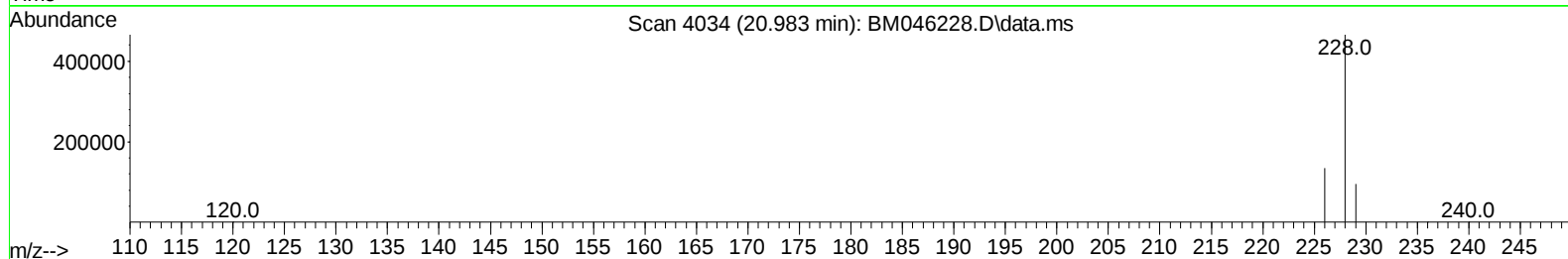
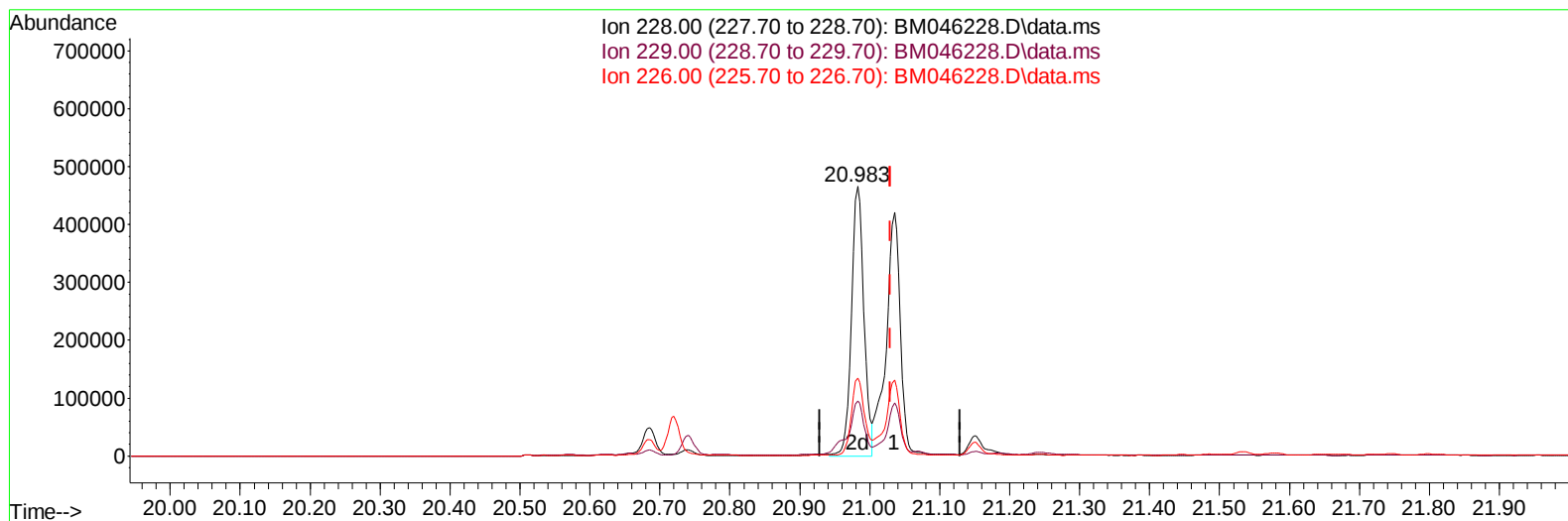
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
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TIC: BM046228.D\data.ms

(21) Benzo(a)anthracene

20.983min (-0.047) 20.64 ng/u1 m

response 574171

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.44
226.00	29.30	28.94
0.00	0.00	0.00

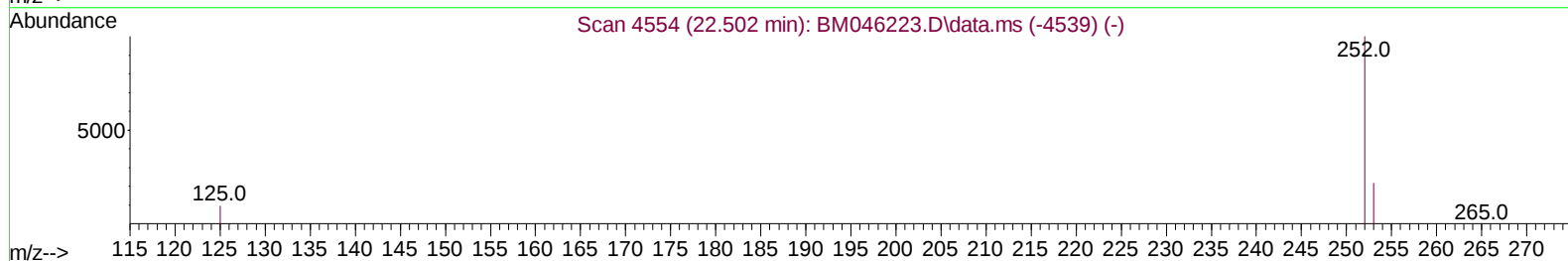
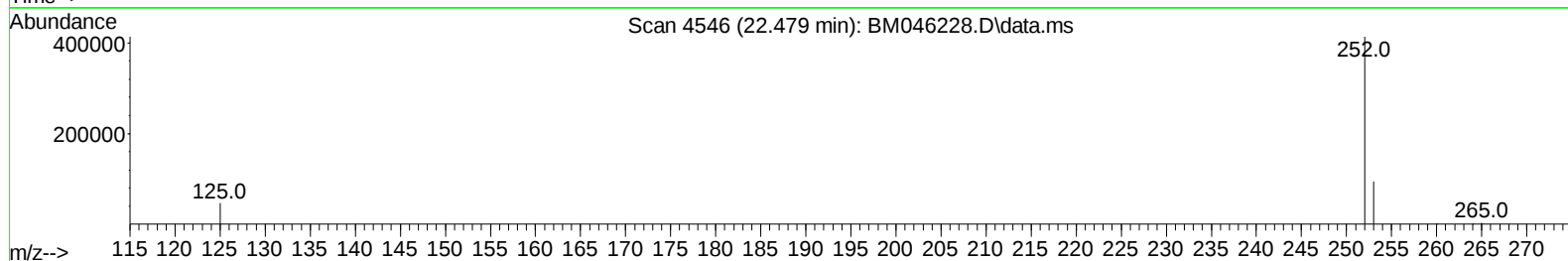
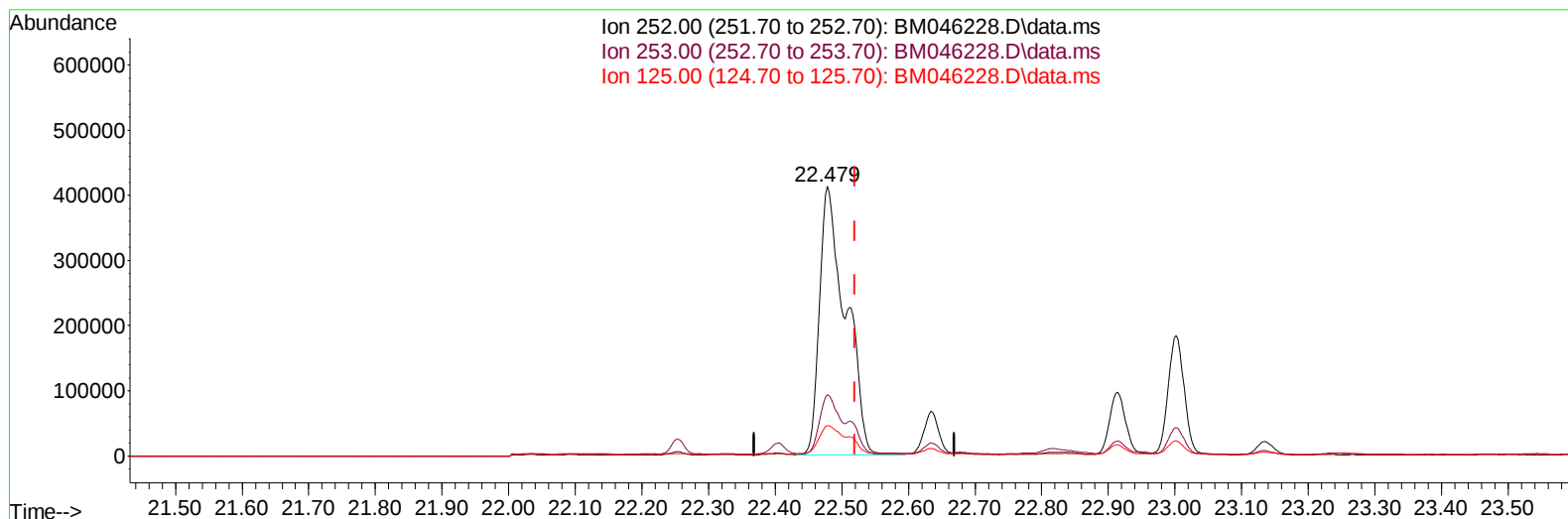
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 2024
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QLast Update : Mon Jun 24 02:25:34 2024
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(24) Benzo(b)fluoranthene

22.479min (-0.041) 30.38 ng/u1

response 1123775

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.86
125.00	20.10	11.28
0.00	0.00	0.00

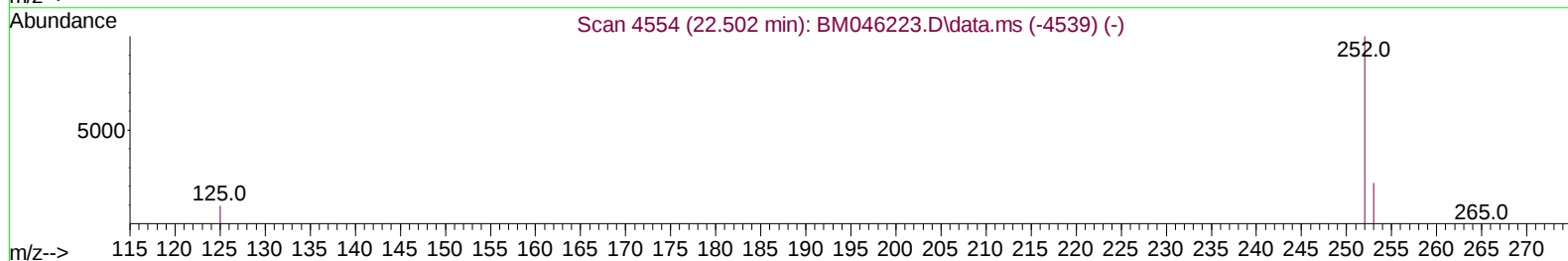
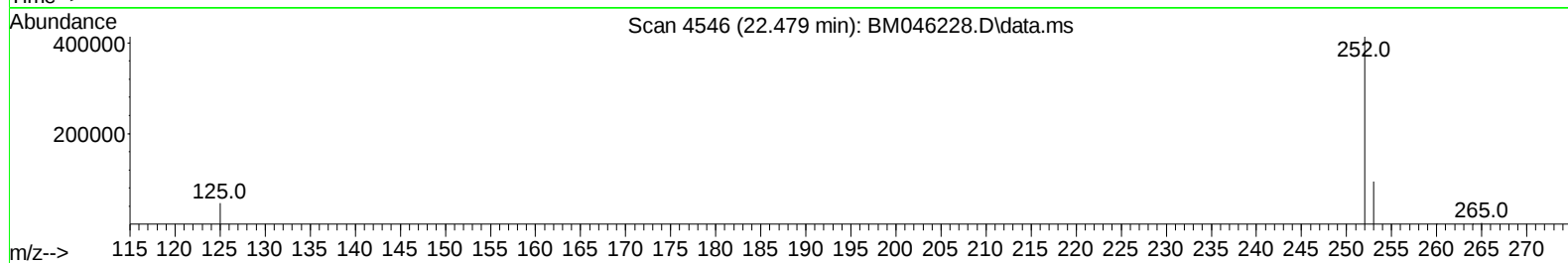
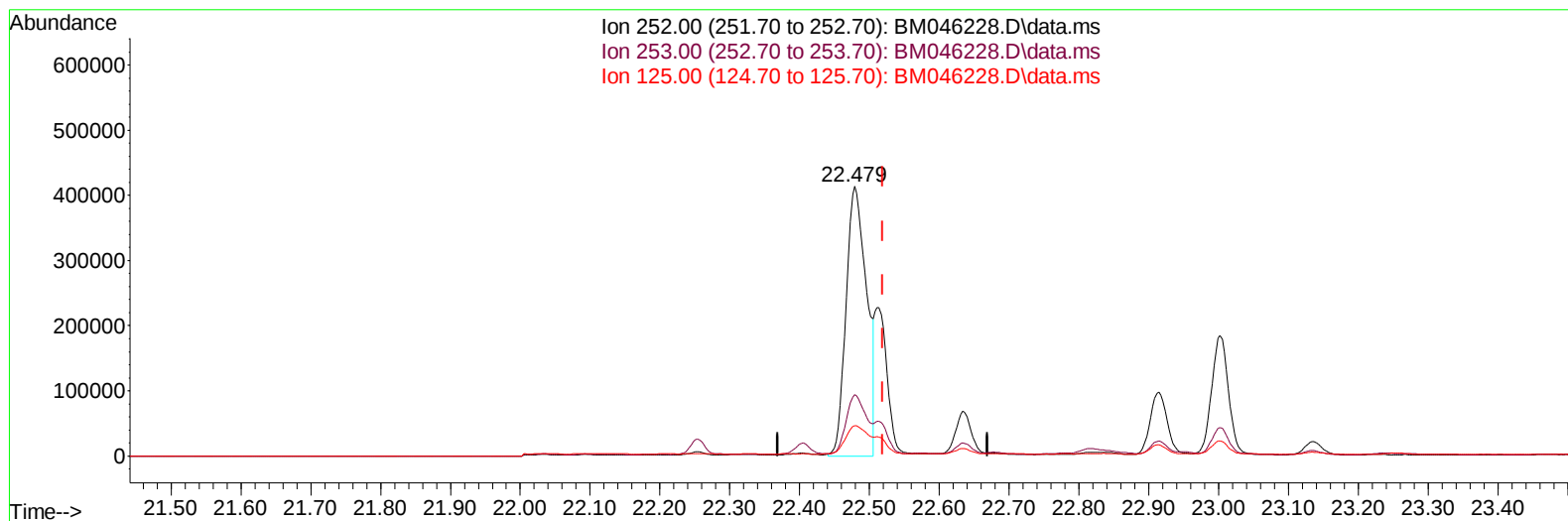
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration



TIC: BM046228.D\data.ms

(24) Benzo(b)fluoranthene

22.479min (-0.041) 22.87 ng/ul m

response 845781

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.86
125.00	20.10	11.28
0.00	0.00	0.00

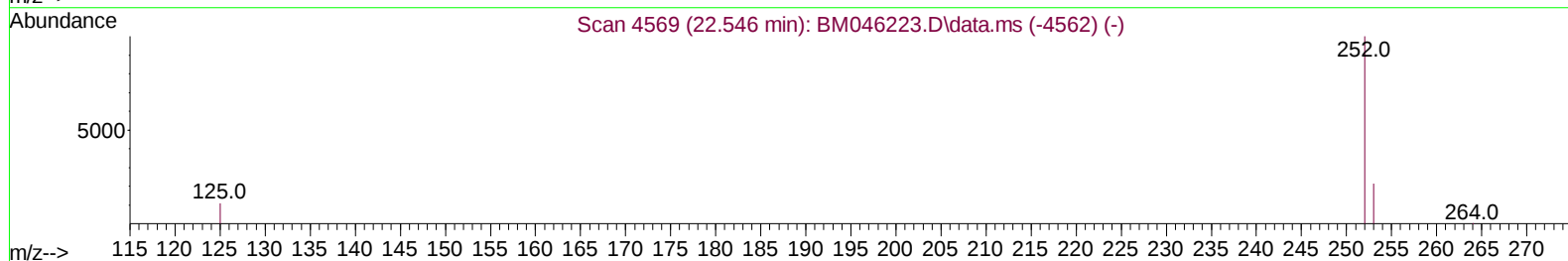
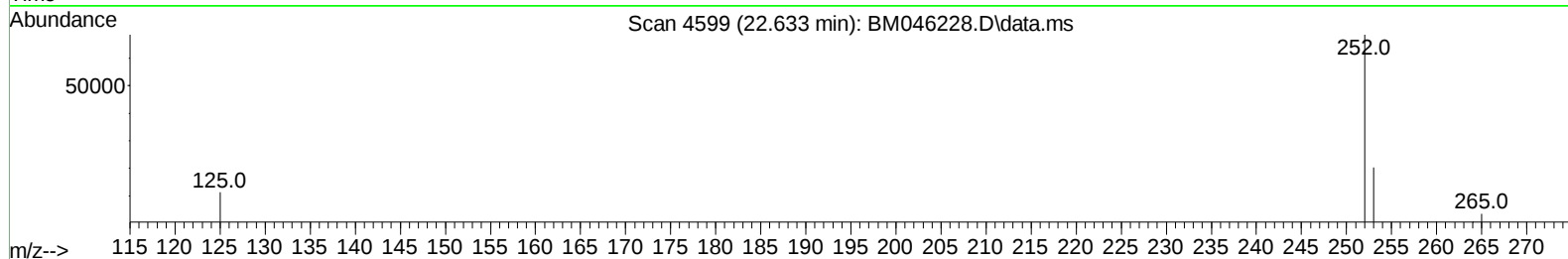
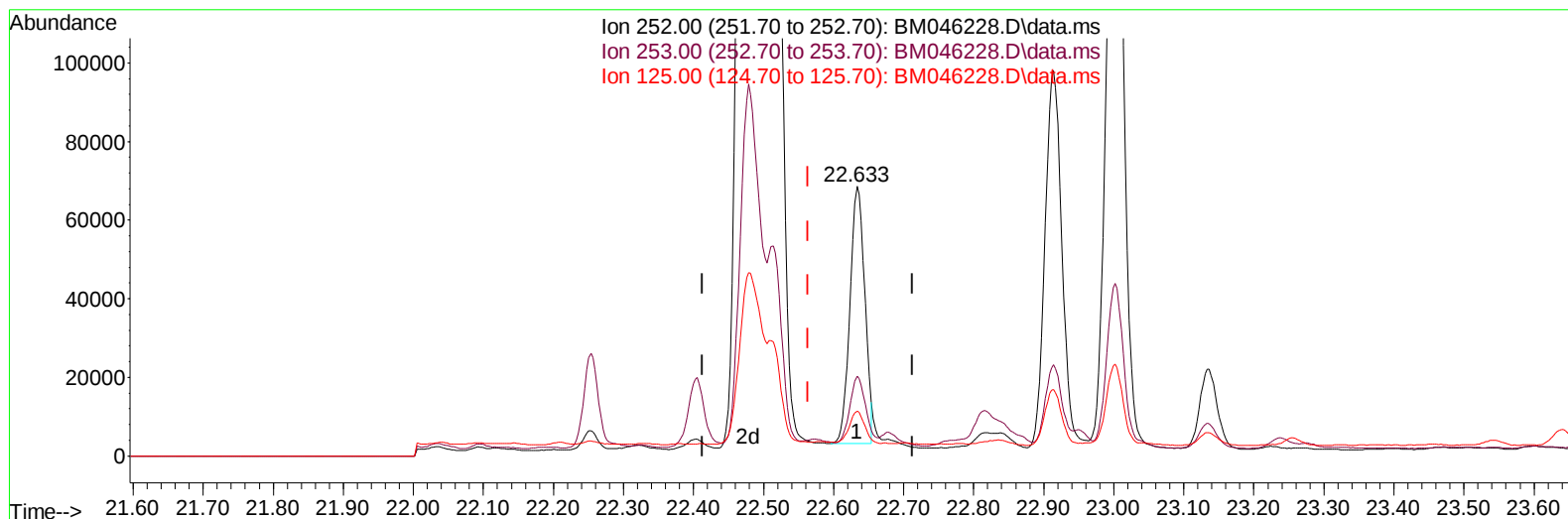
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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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Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(25) Benzo(k)fluoranthene

22.633min (+ 0.070) 2.19 ng/u1

response 96496

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	29.54
125.00	20.80	16.66
0.00	0.00	0.00

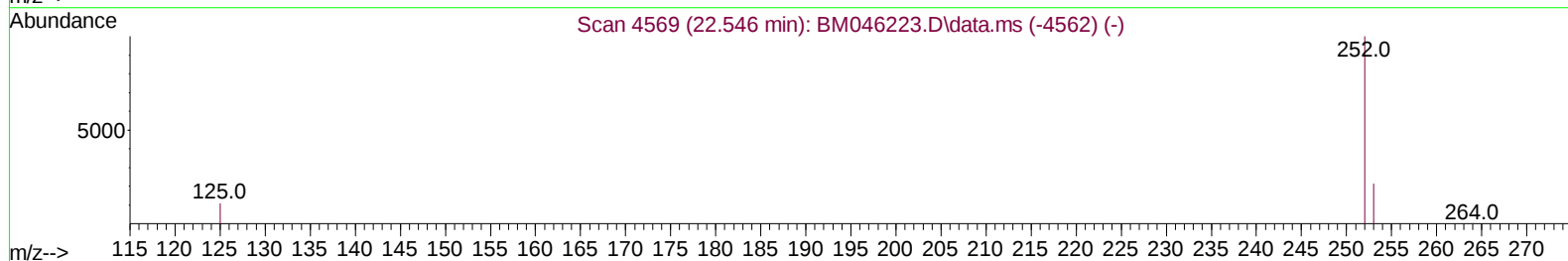
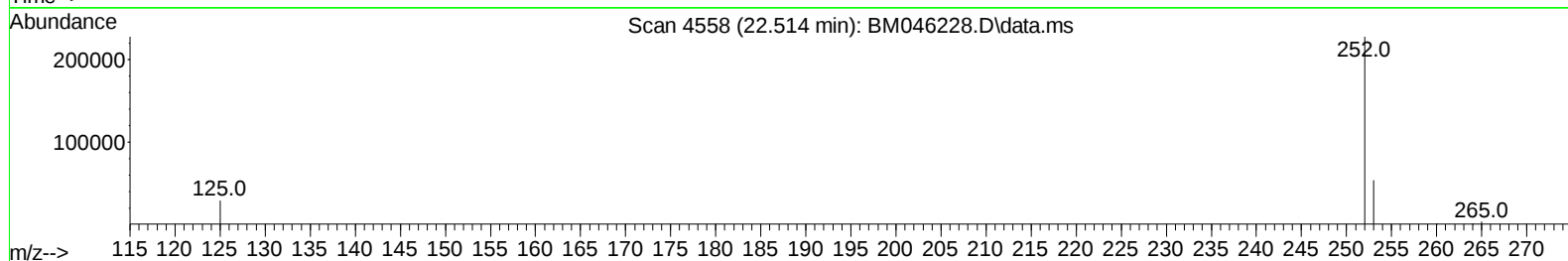
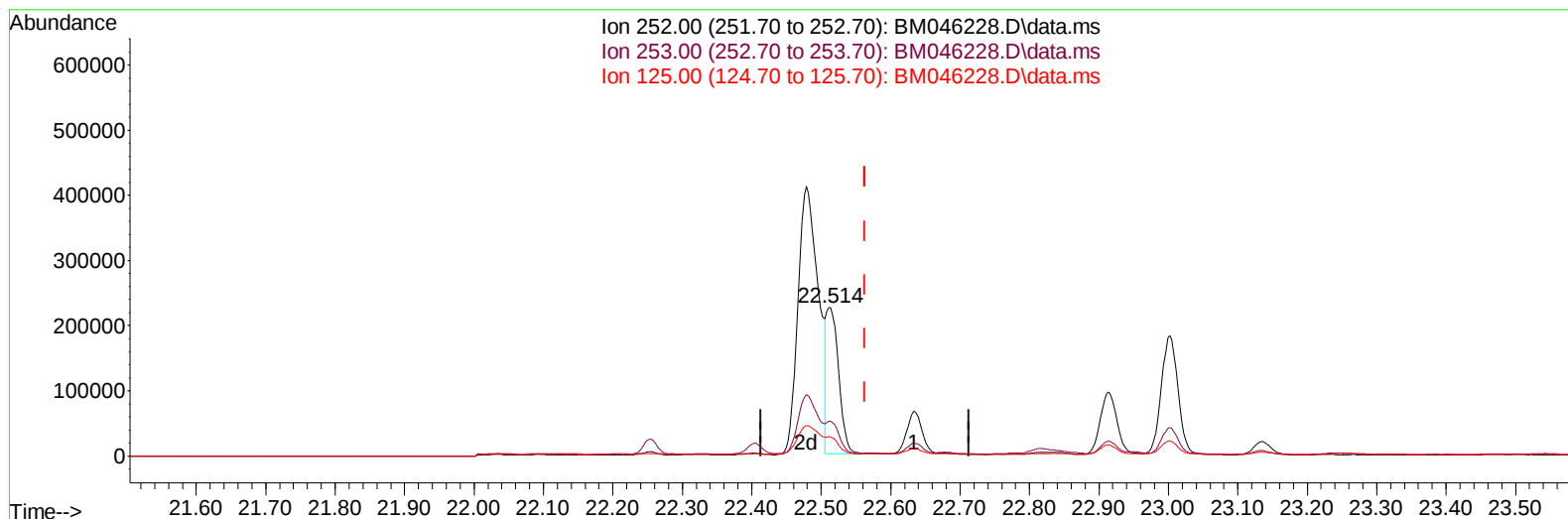
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 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 : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046228.D\data.ms

(25) Benzo(k)fluoranthene

22.514min (-0.050) 6.35 ng/u1 m

response 279185

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.48#
125.00	20.80	12.73#
0.00	0.00	0.00

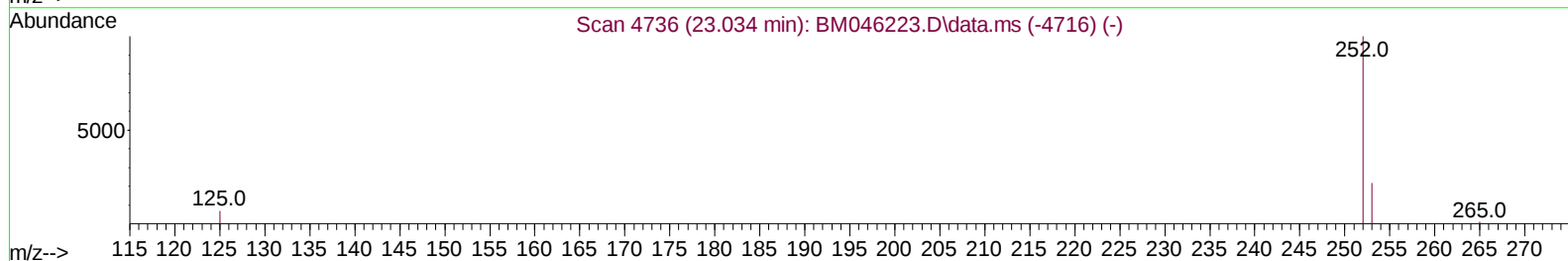
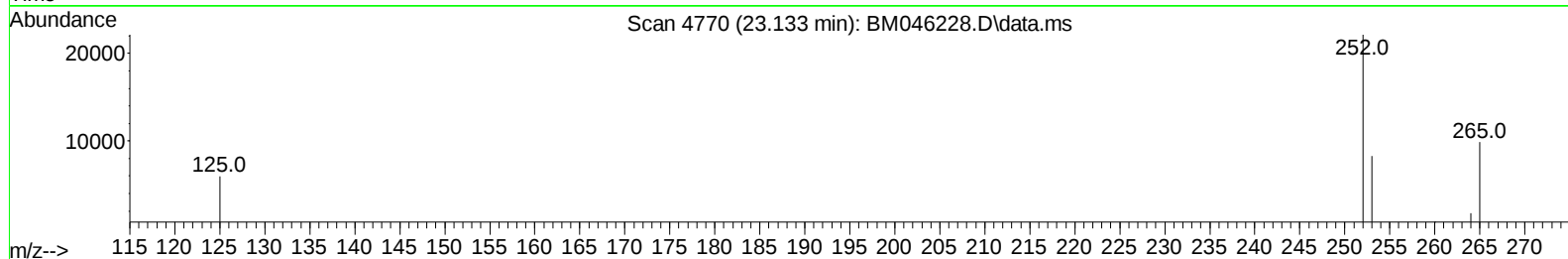
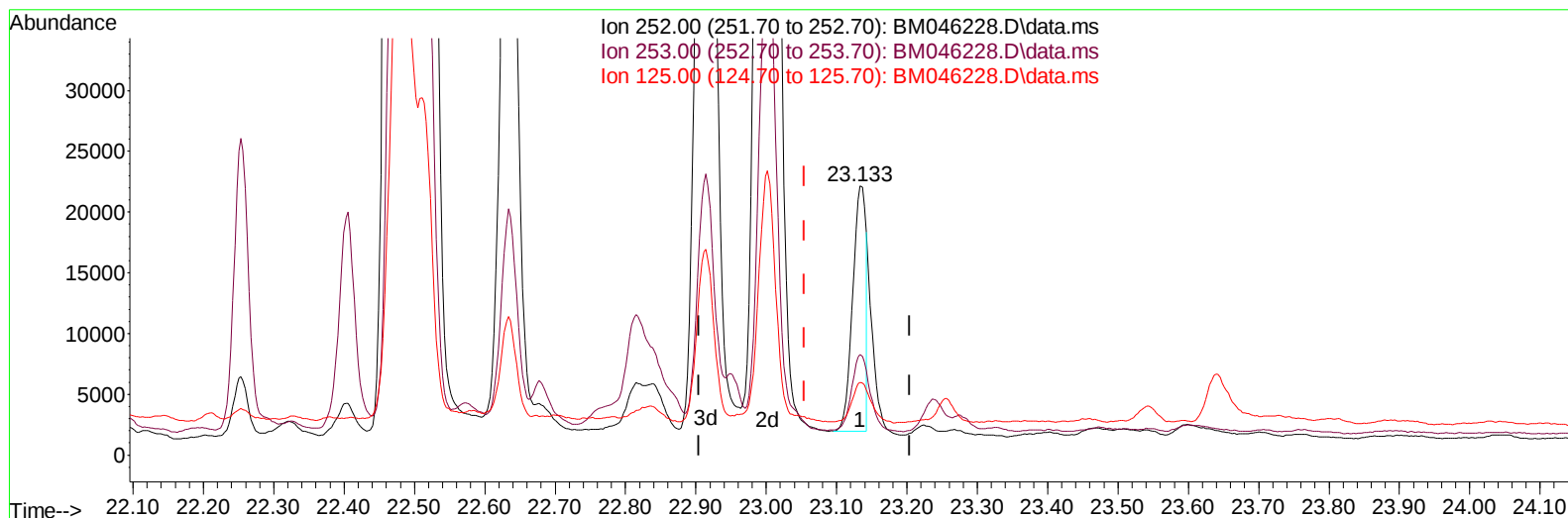
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046228.D
Acq On : 23 Jun 2024 10:47
Operator : MA/JU
Sample : P2776-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM046228.D\data.ms

(26) Benzo(a)pyrene (C)

23.133min (+ 0.079) 0.77 ng/u1

response 26473

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	37.44
125.00	26.50	27.05
0.00	0.00	0.00

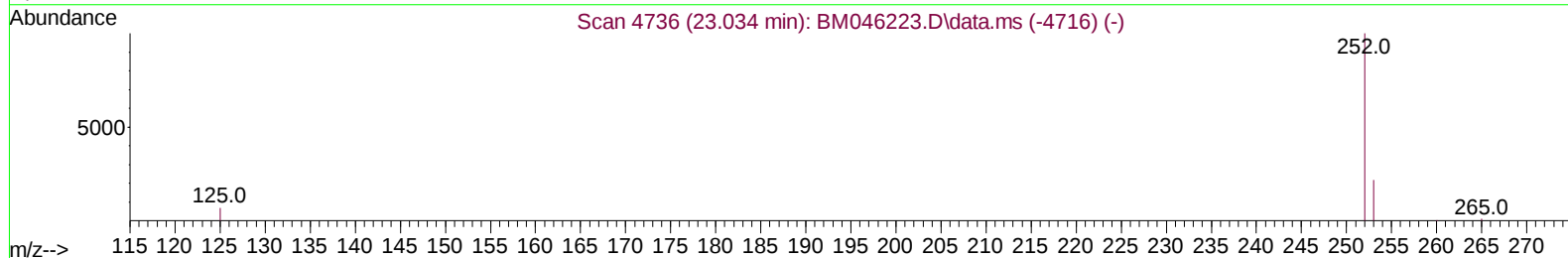
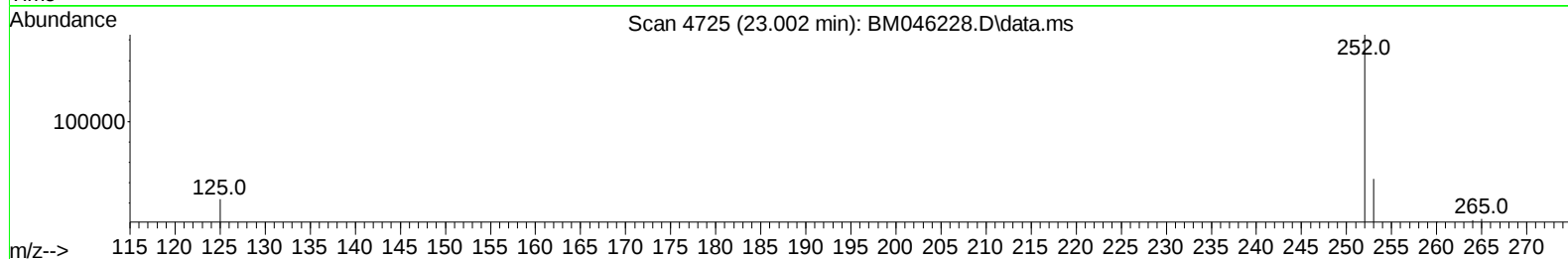
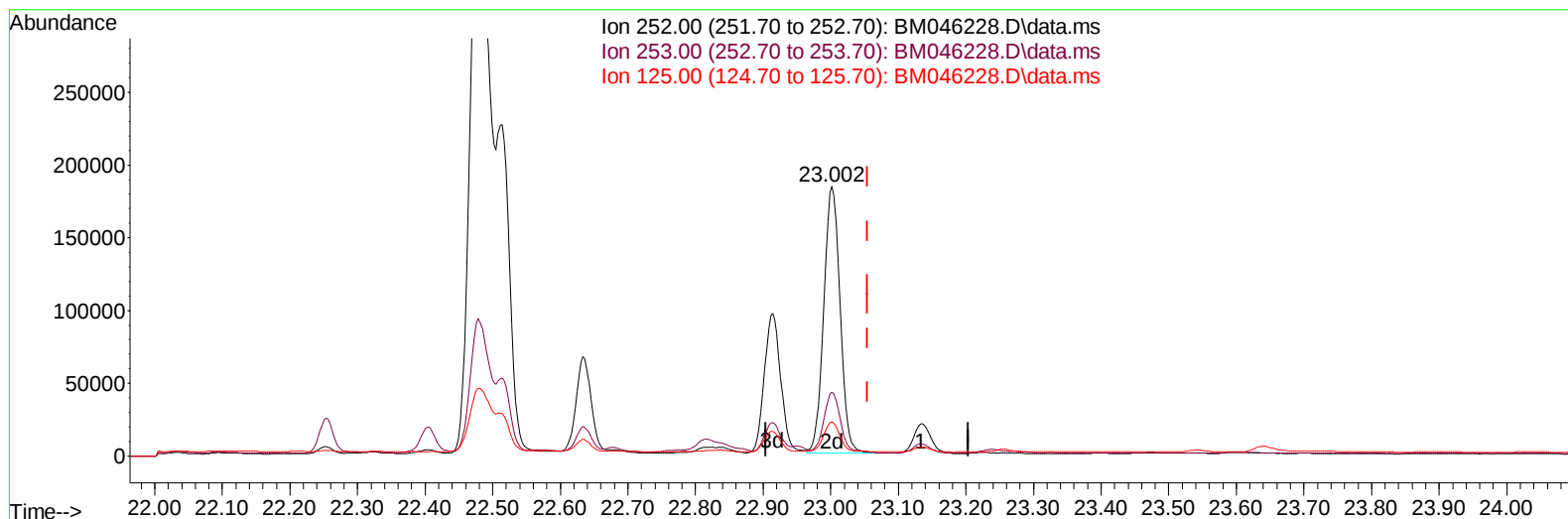
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046228.D
 Acq On : 23 Jun 2024 10:47
 Operator : MA/JU
 Sample : P2776-20
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C73

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:29:40 2024
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TIC: BM046228.D\data.ms

(26) Benzo(a)pyrene (C)

23.002min (-0.053) 8.99 ng/u1 m

response 308235

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	23.69#
125.00	26.50	12.62#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046228.D
 Acq On : 23 Jun 2024 10:47
 Operator : MA/JU
 Sample : P2776-20
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C73

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.405	152	2793	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.171	136	8640	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.052	164	4961	0.400	ng/ul	-0.06
13) Phenanthrene-d10	16.794	188	10745m	0.400	ng/ul	-0.07
17) Chrysene-d12	21.000	240	7203m	0.400	ng/ul	-0.04
23) Perylene-d12	23.092	264	10267	0.400	ng/ul	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	12334	3.219	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.782	152	3218	0.277	ng/ul	-0.08
18) Fluoranthene-d10	18.829	212	7394	0.343	ng/ul	-0.06
Target Compounds						
						Qvalue
5) Naphthalene	10.220	128	18880	0.784	ng/ul	94
7) 2-Methylnaphthalene	11.859	142	7014	0.517	ng/ul	97
8) 1-Methylnaphthalene	12.074	142	5859	0.394	ng/ul	99
10) Acenaphthylene	13.770	152	37331	1.586	ng/ul	97
11) Acenaphthene	14.112	153	24490	1.442	ng/ul	98
12) Fluorene	15.107	166	29948	1.643	ng/ul	99
14) Pentachlorophenol	16.481	266	126	0.039	ng/ul	93
15) Phenanthrene	16.836	178	657128m	21.768	ng/ul	
16) Anthracene	16.929	178	121621m	5.409	ng/ul	
19) Fluoranthene	18.861	202	1353809	43.408	ng/ul	96
20) Pyrene	19.224	202	934036	27.693	ng/ul	96
21) Benzo(a)anthracene	20.983	228	574171m	20.637	ng/ul	
22) Chrysene	21.035	228	595656	16.776	ng/ul	98
24) Benzo(b)fluoranthene	22.479	252	845781m	22.865	ng/ul	
25) Benzo(k)fluoranthene	22.514	252	279185m	6.349	ng/ul	
26) Benzo(a)pyrene	23.002	252	308235m	8.993	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.132	276	298732	5.325	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.132	278	101021	2.419	ng/ul	93
29) Benzo(g,h,i)perylene	25.756	276	45169	0.939	ng/ul	97

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

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