

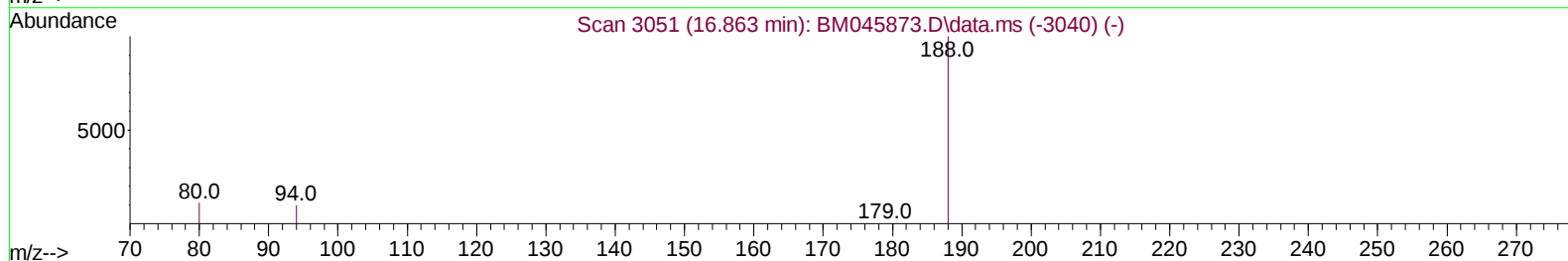
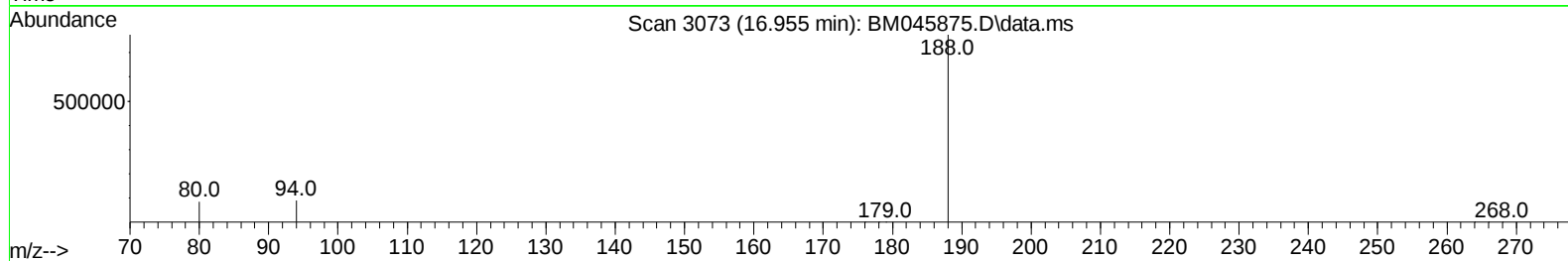
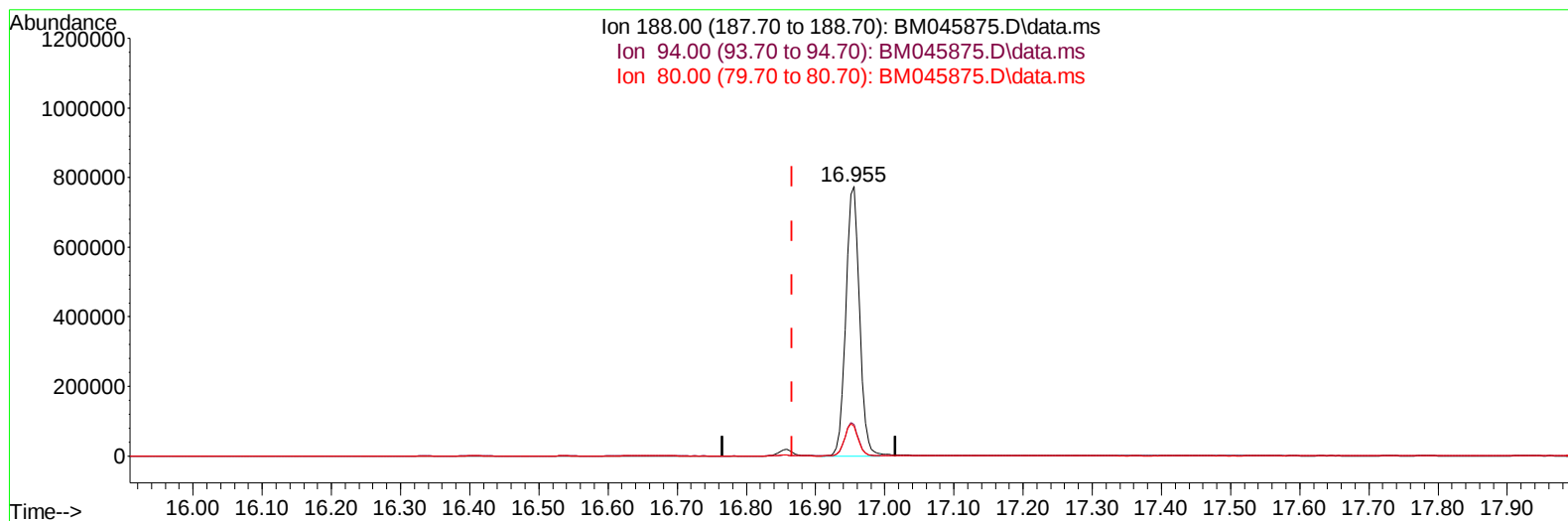
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045875.D\data.ms

(13) Phenanthrene-d10 (I)

16.955min (+ 0.089) 0.40 ng/u1

response 1056982

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.62
80.00	11.70	10.95
0.00	0.00	0.00

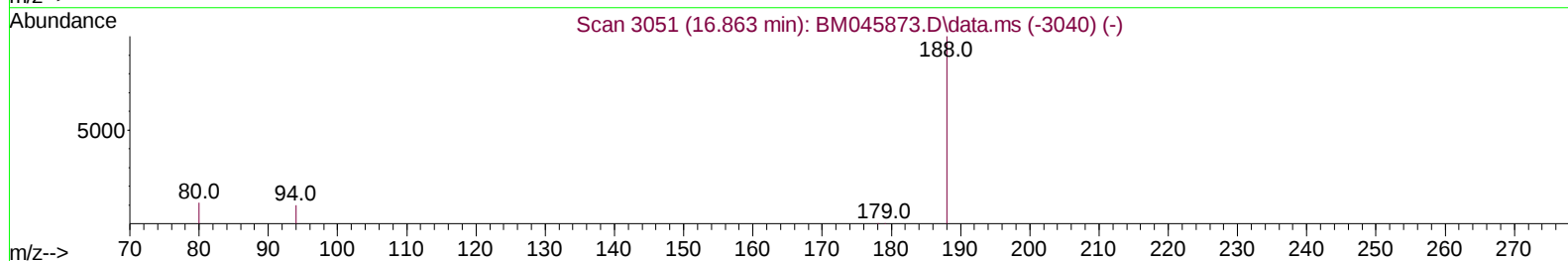
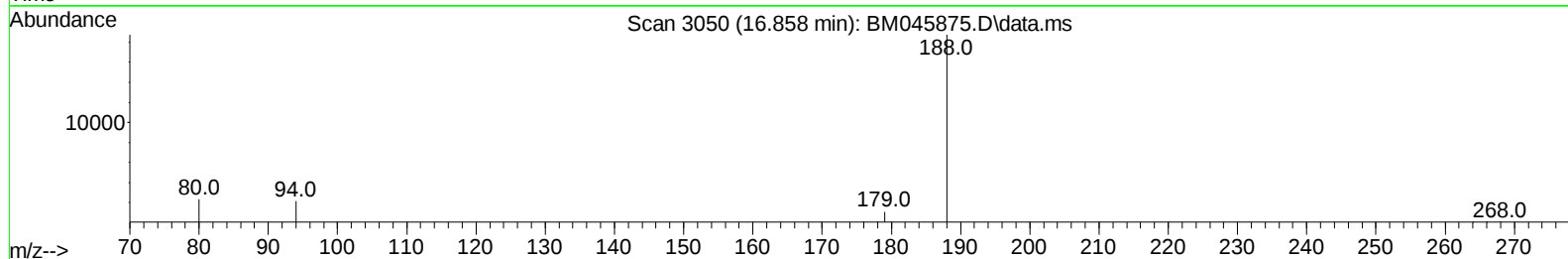
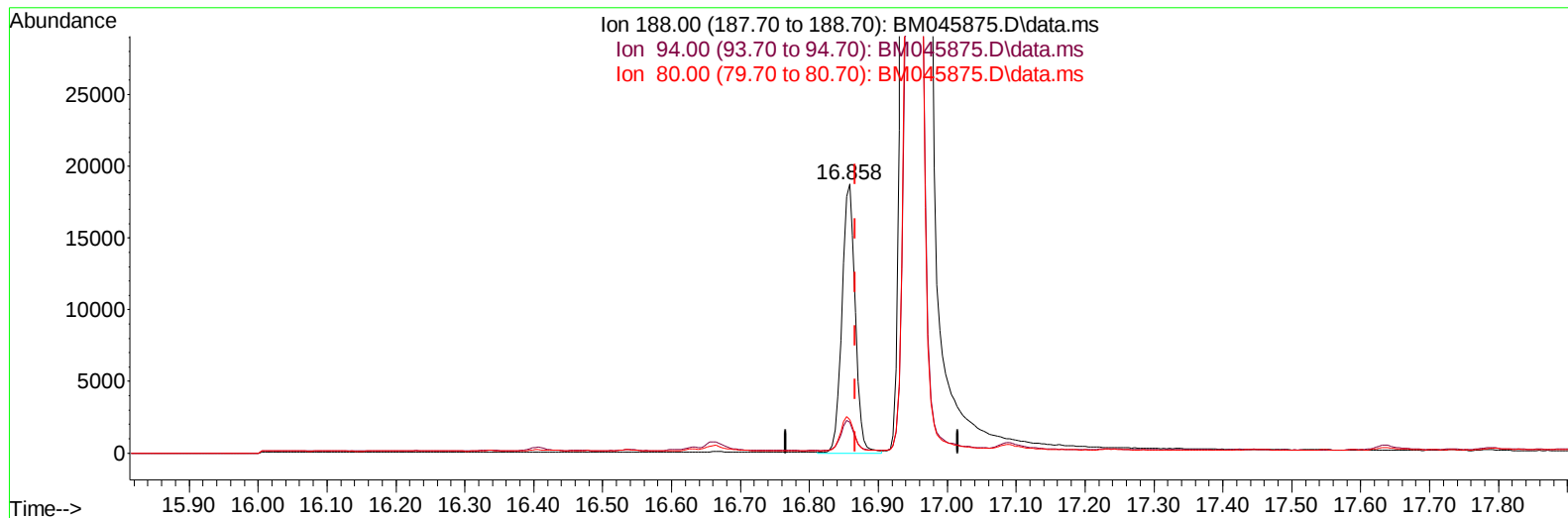
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045875.D\data.ms

(13) Phenanthrene-d10 (I)

16.858min (-0.008) 0.40 ng/u1 m

response 25017

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.55
80.00	11.70	12.46
0.00	0.00	0.00

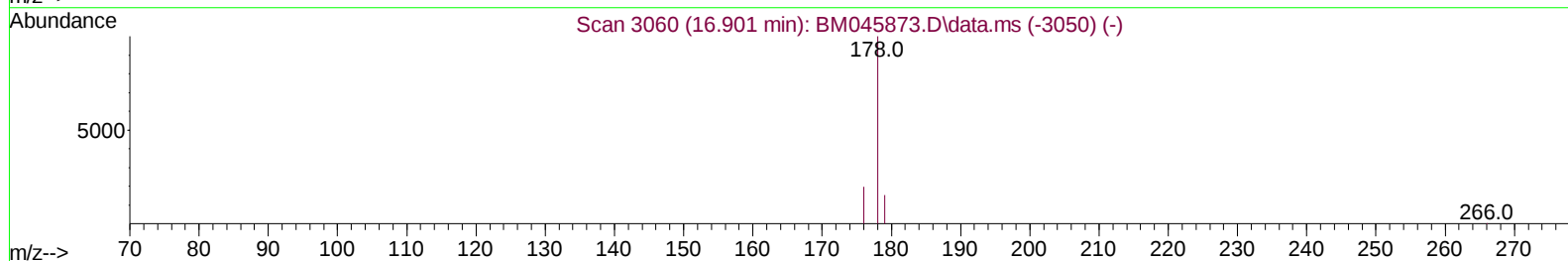
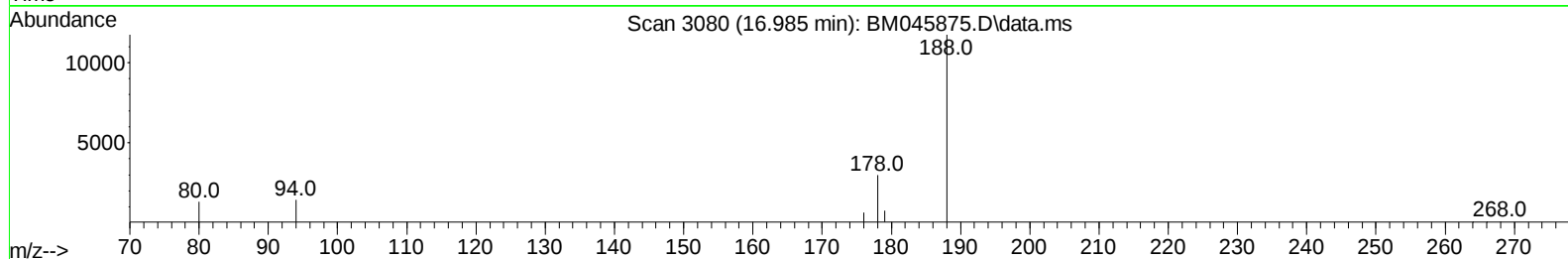
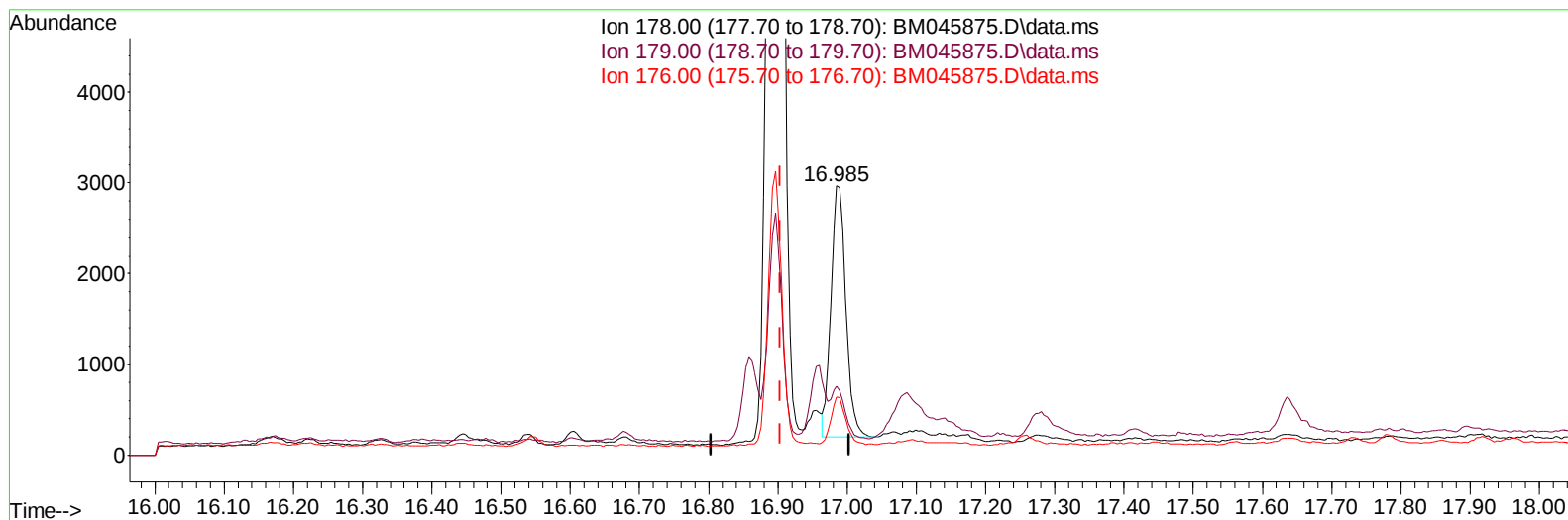
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
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TIC: BM045875.D\data.ms

(15) Phenanthrene

16.985min (+ 0.081) 0.06 ng/u1

response 4097

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	25.66#
176.00	19.50	21.51
0.00	0.00	0.00

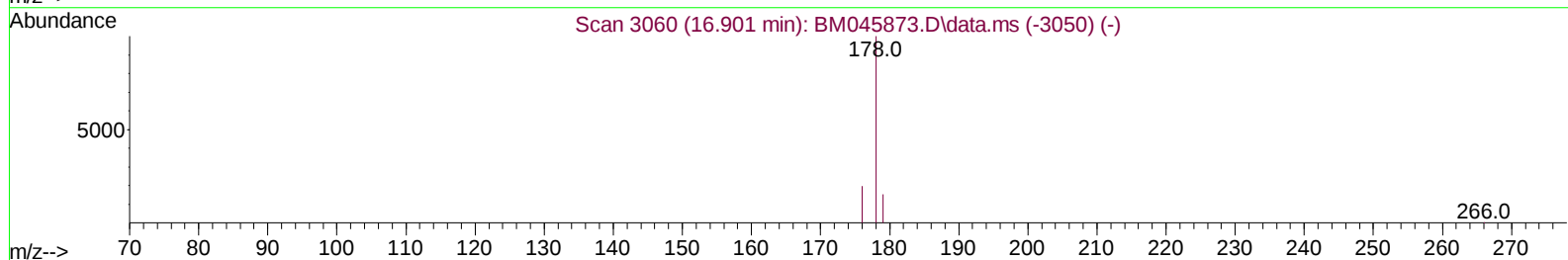
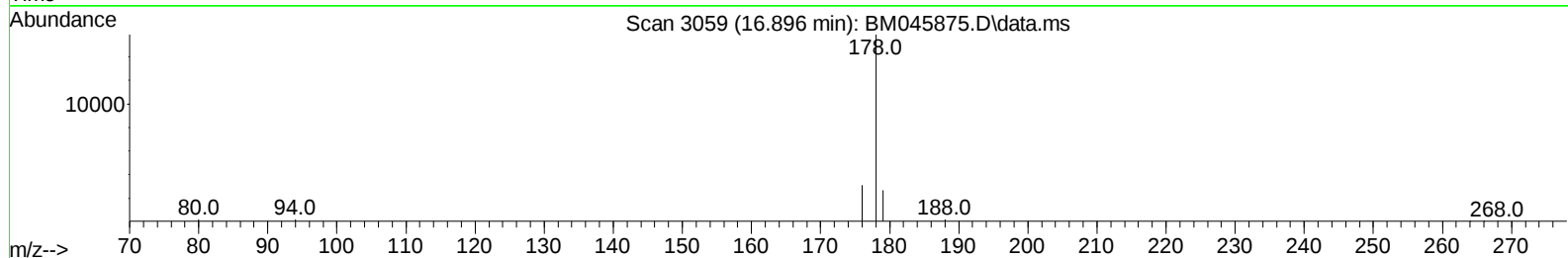
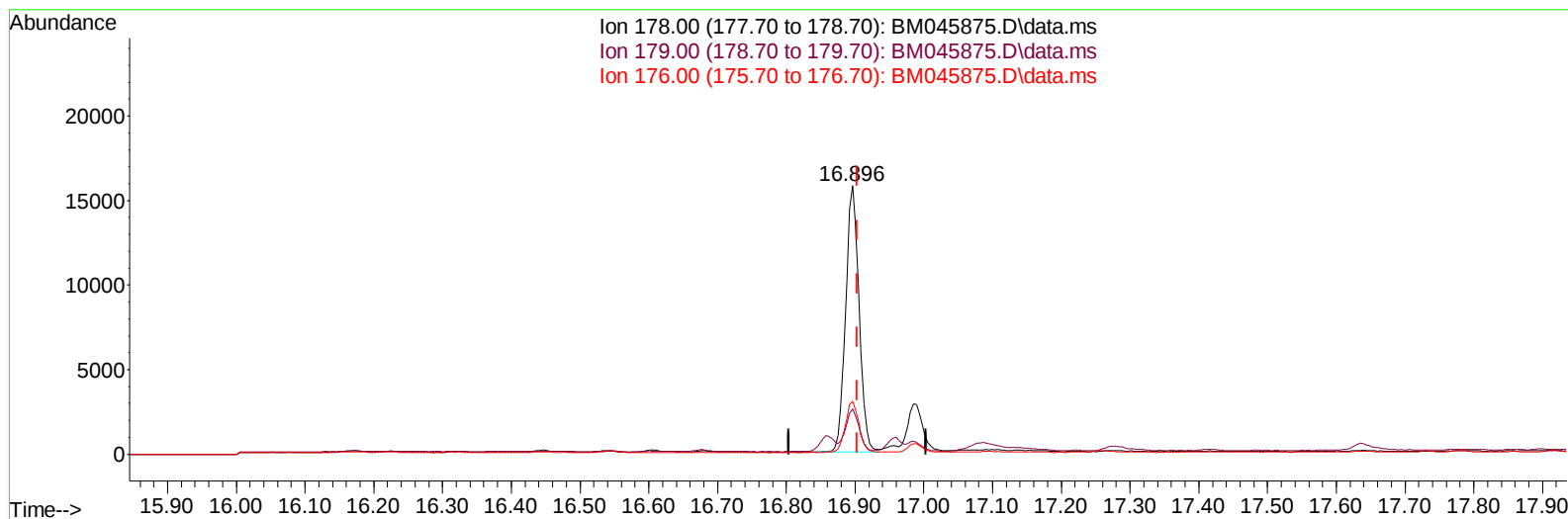
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 07 11:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration



TIC: BM045875.D\data.ms

(15) Phenanthrene

16.896min (-0.007) 0.31 ng/ul m

response 21543

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	16.82
176.00	19.50	19.72
0.00	0.00	0.00

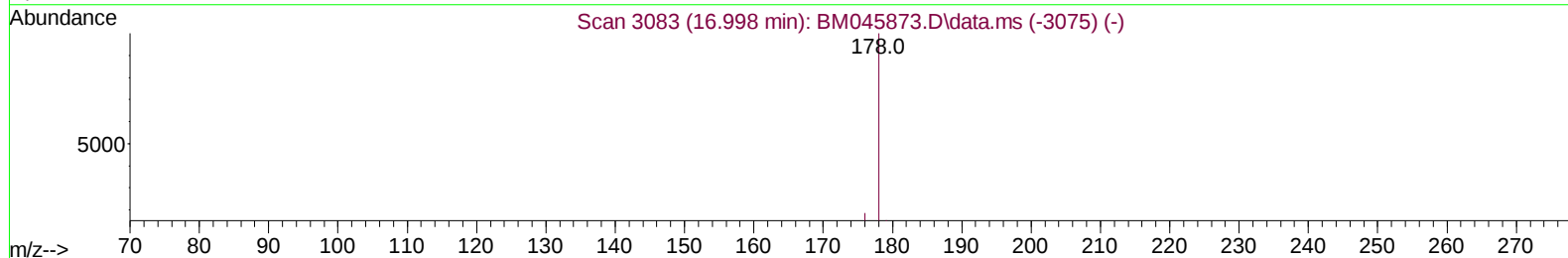
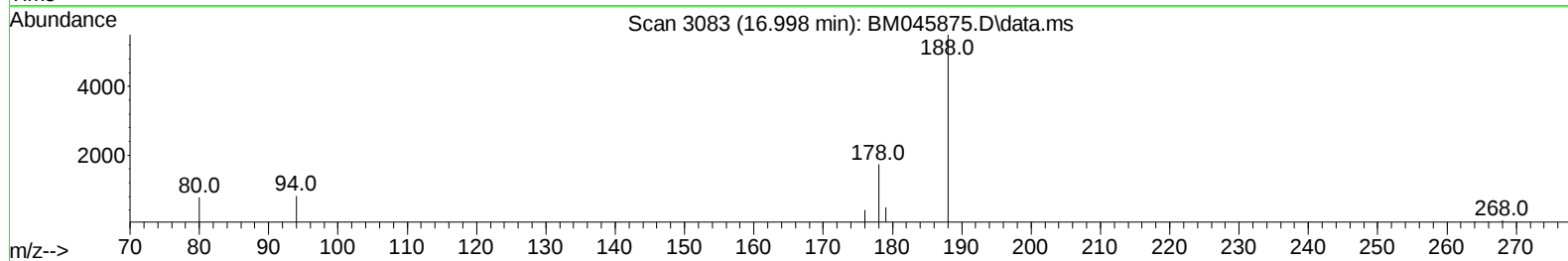
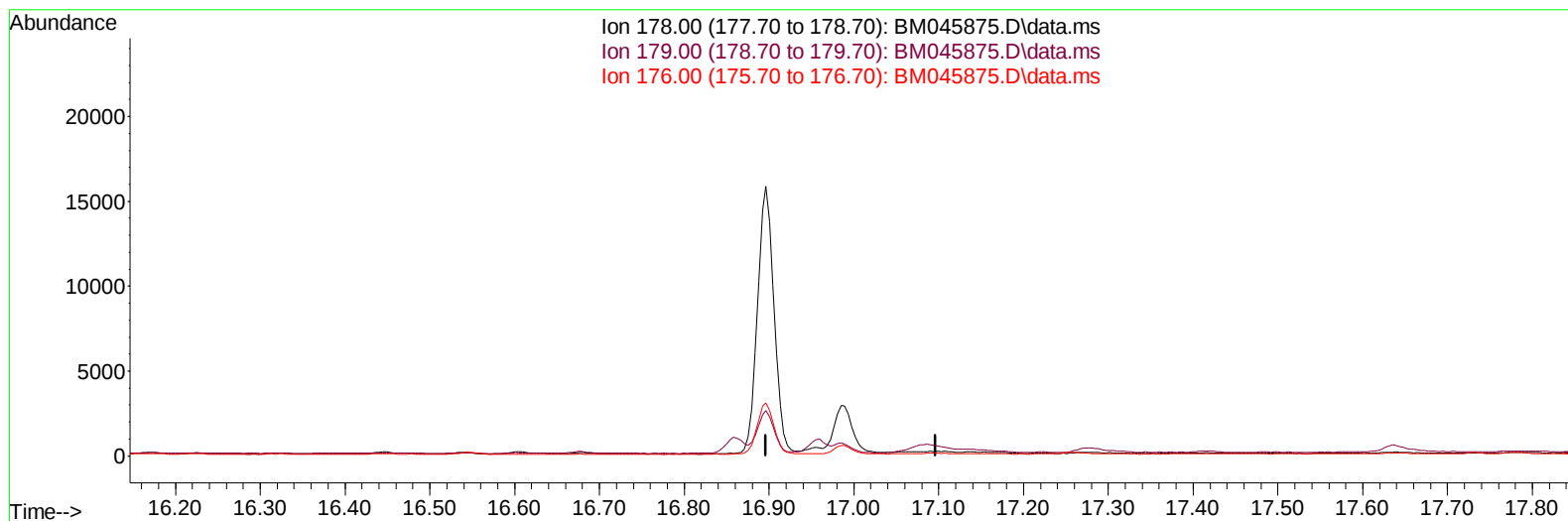
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045875.D
 Acq On : 07 Jun 2024 10:39
 Operator : MA/JU
 Sample : P2586-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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 QLast Update : Thu Jun 06 17:58:22 2024
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Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024



TIC: BM045875.D\data.ms

(16) Anthracene

16.996min (-16.996) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	16.40	0.00#
176.00	19.40	0.00#
0.00	0.00	0.00

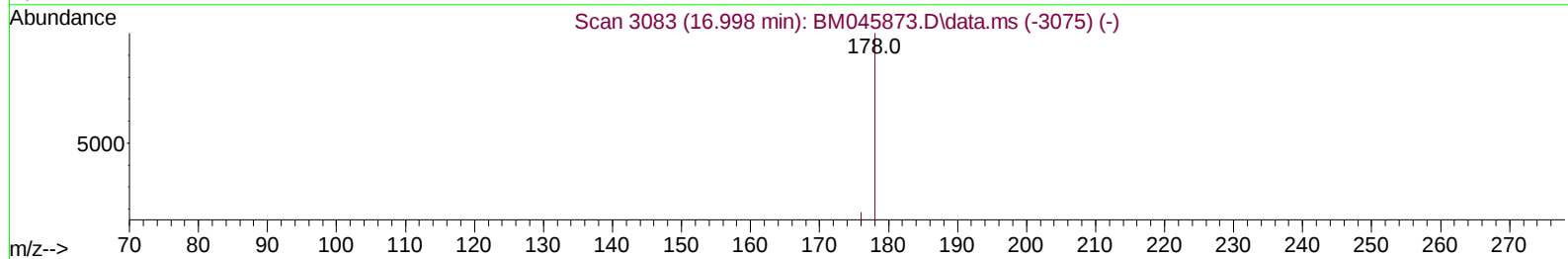
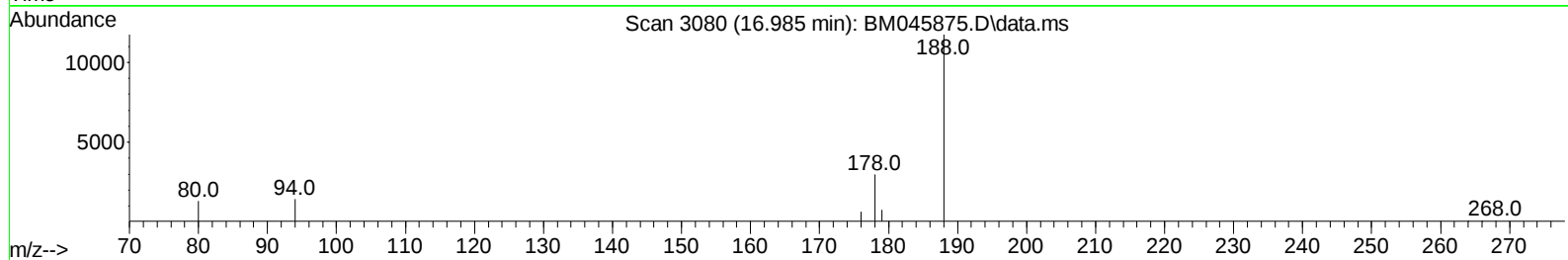
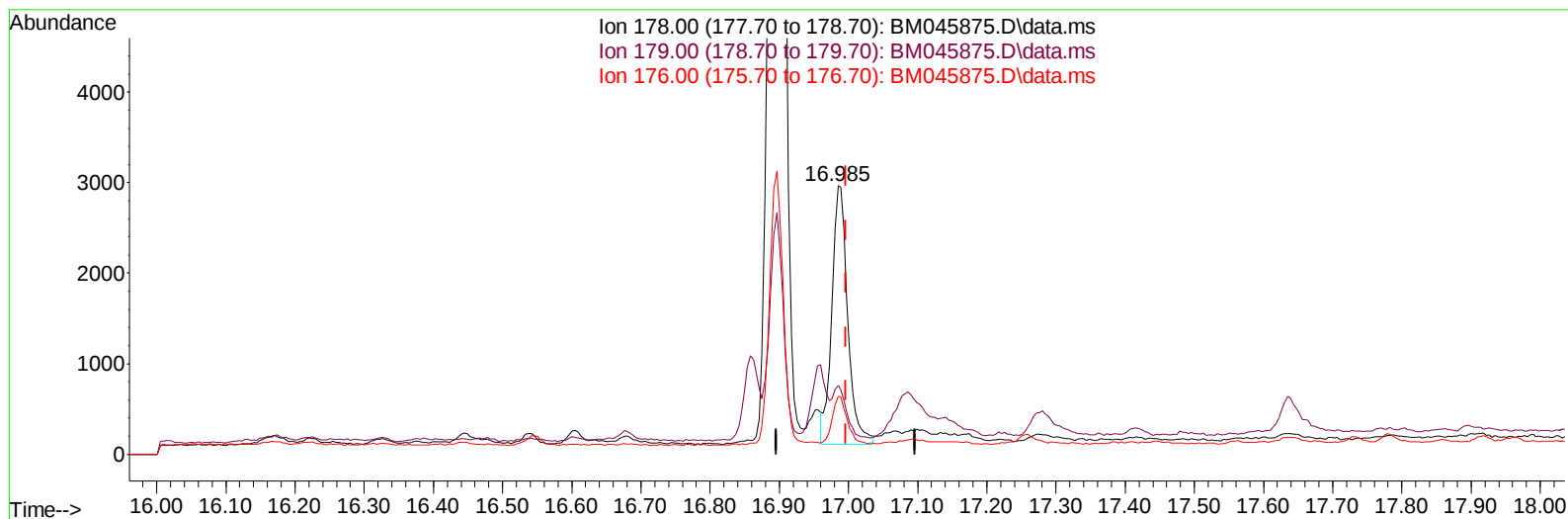
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Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045875.D\data.ms

(16) Anthracene

16.985min (-0.012) 0.08 ng/u1 m

response 4576

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	25.66#
176.00	19.40	21.51
0.00	0.00	0.00

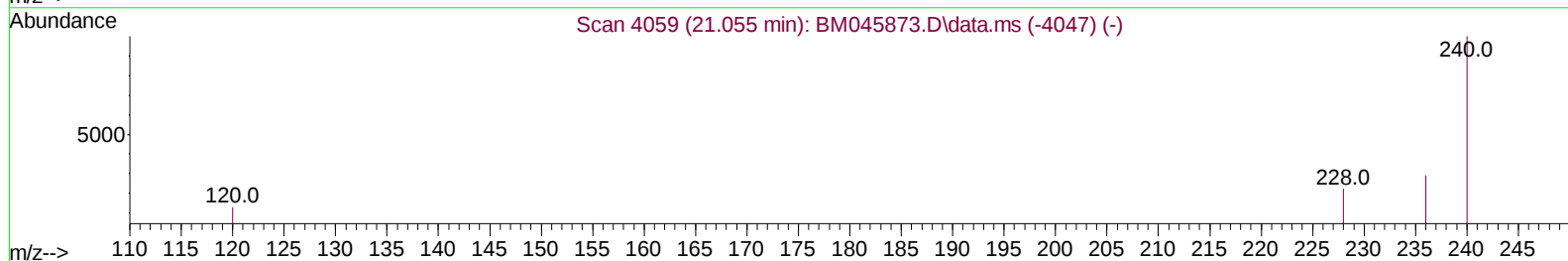
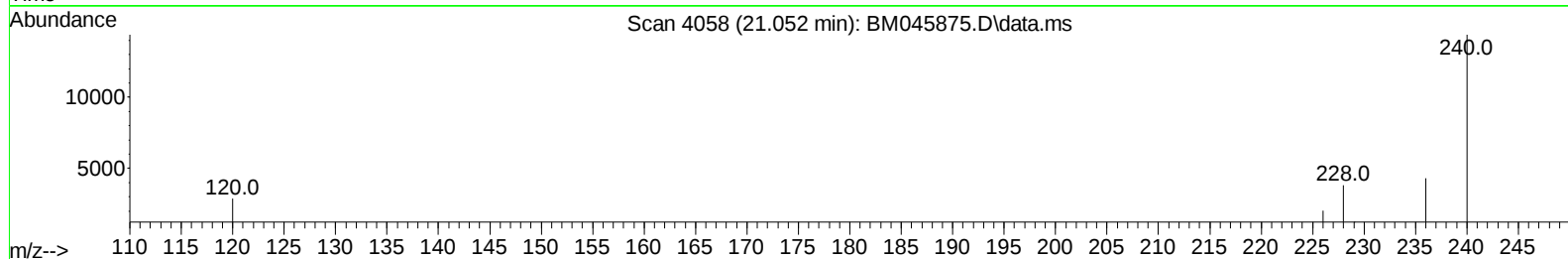
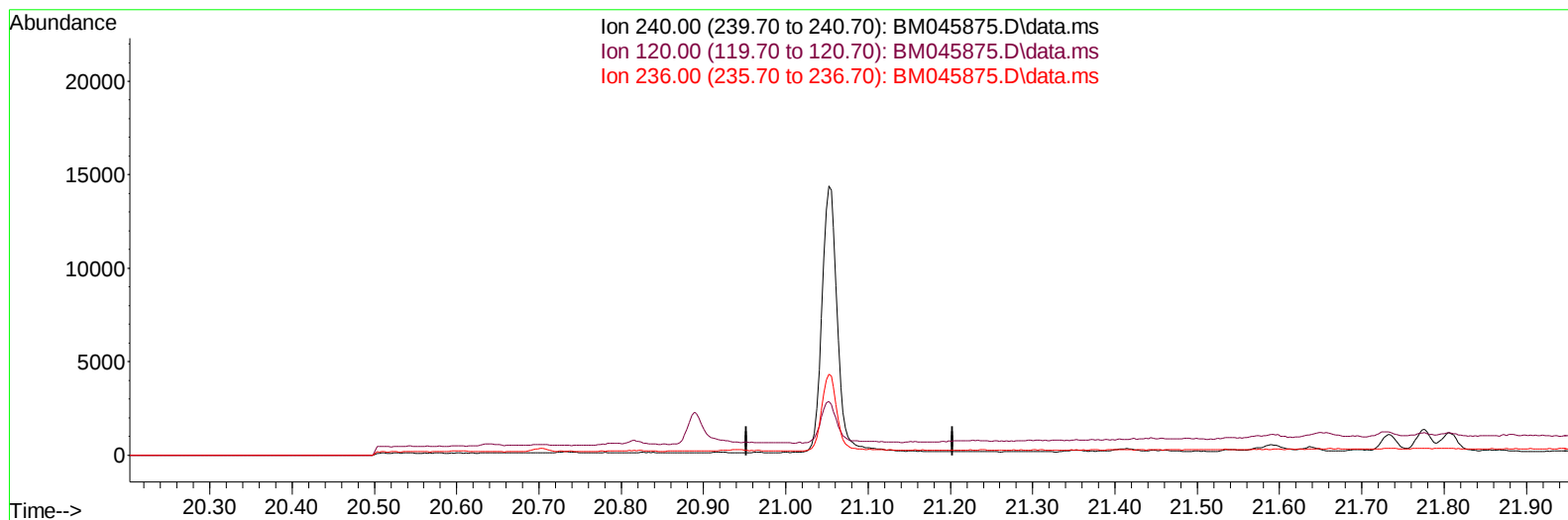
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
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TIC: BM045875.D\data.ms

(17) Chrysene-d12

21.053min (-21.053) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.10	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

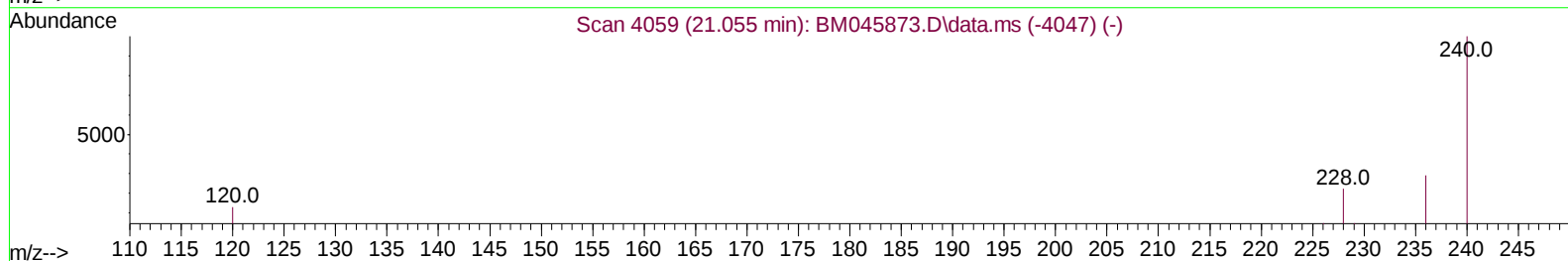
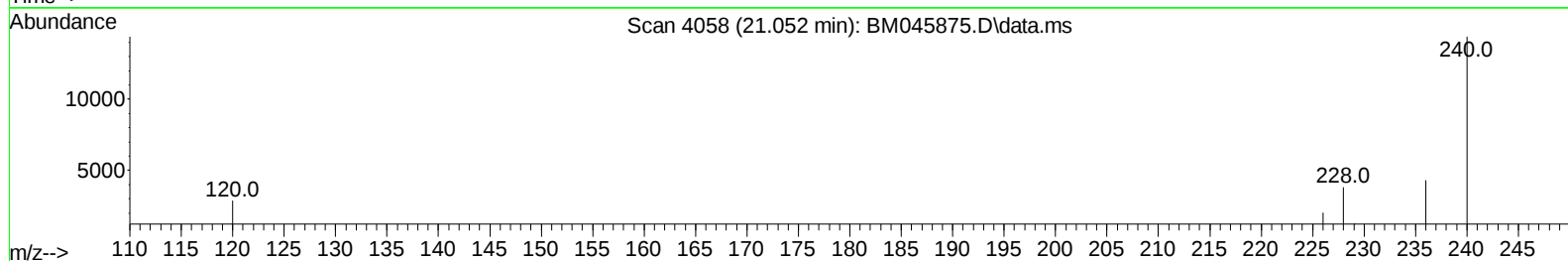
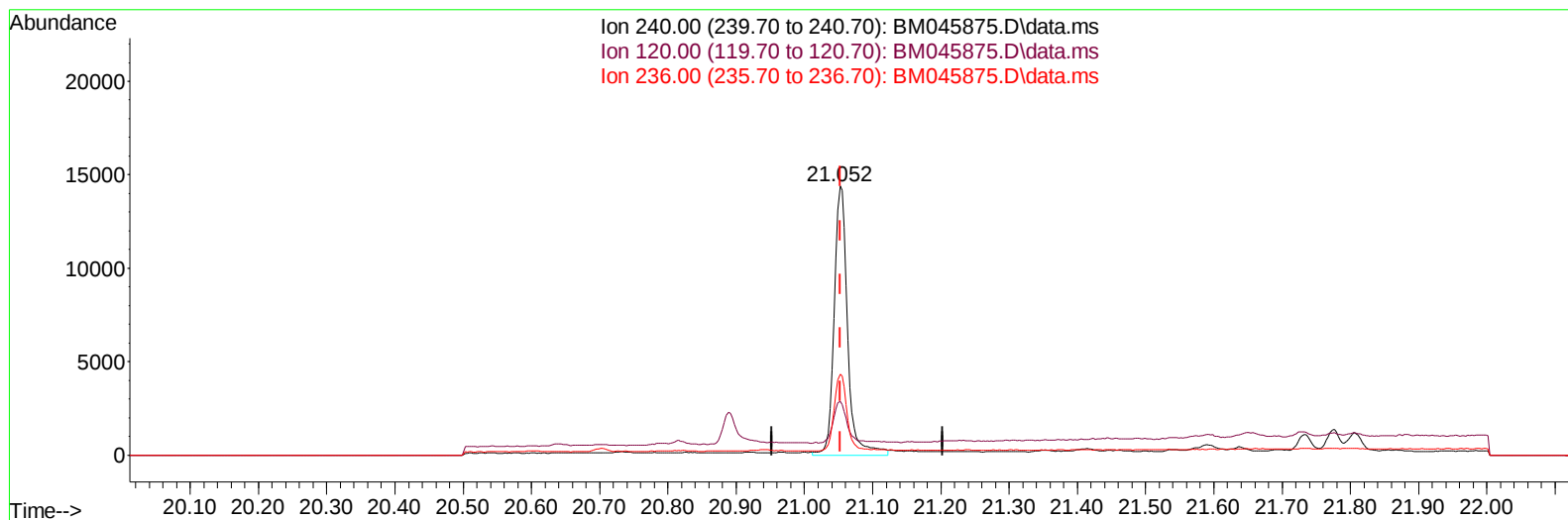
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045875.D\data.ms

(17) Chrysene-d12

21.052min (-0.001) 0.40 ng/ul m

response 19660

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	19.89#
236.00	29.50	29.97
0.00	0.00	0.00

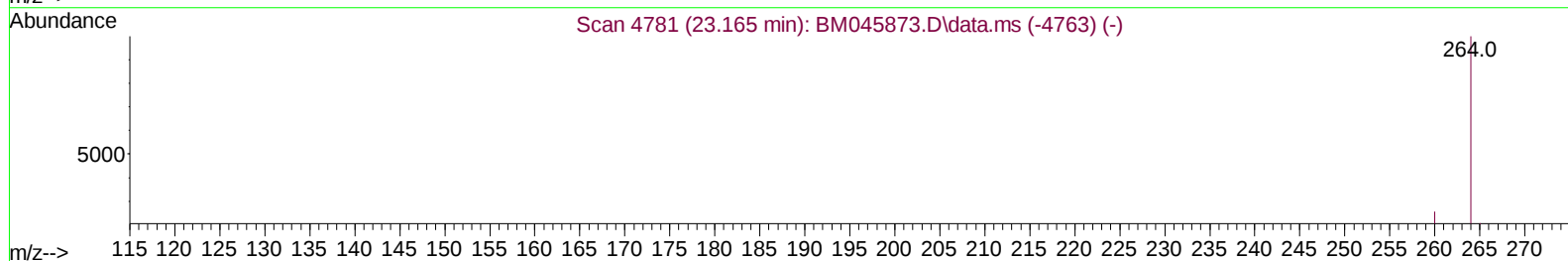
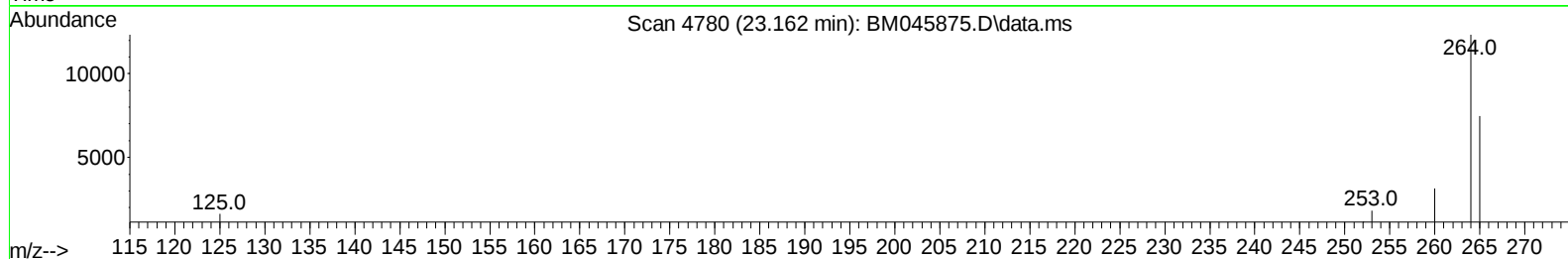
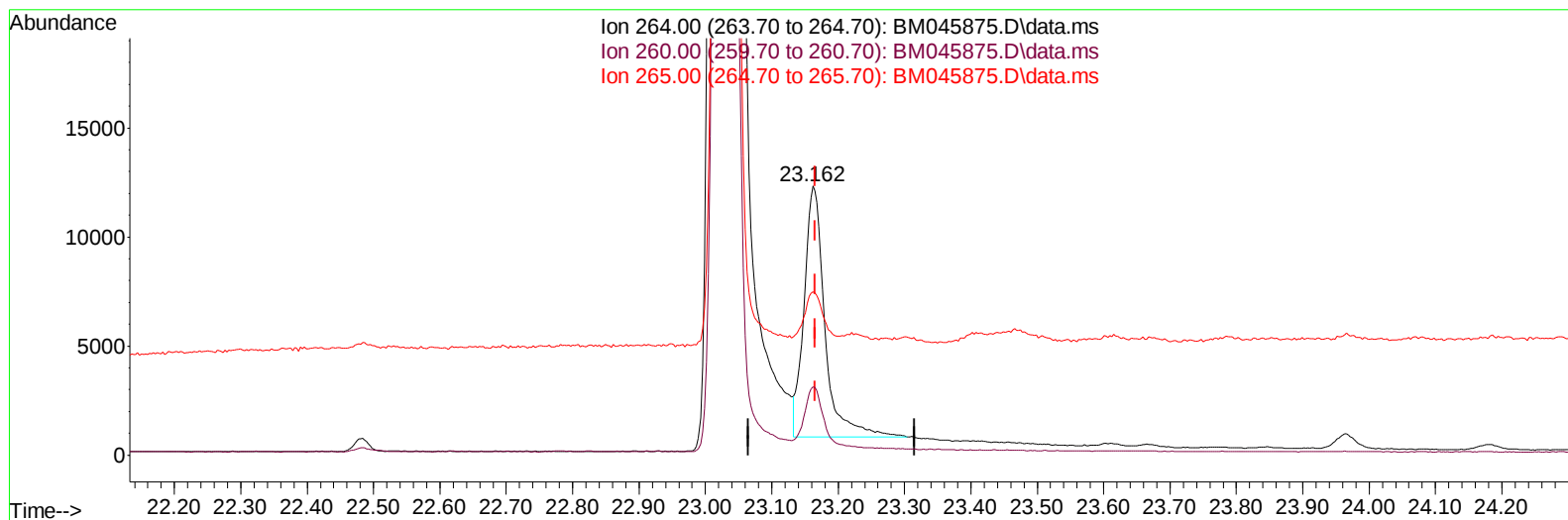
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
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TIC: BM045875.D\data.ms

(23) Perylene-d12 (I)

23.162min (-0.004) 0.40 ng/u1

response 25186

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.47
265.00	76.60	60.69#
0.00	0.00	0.00

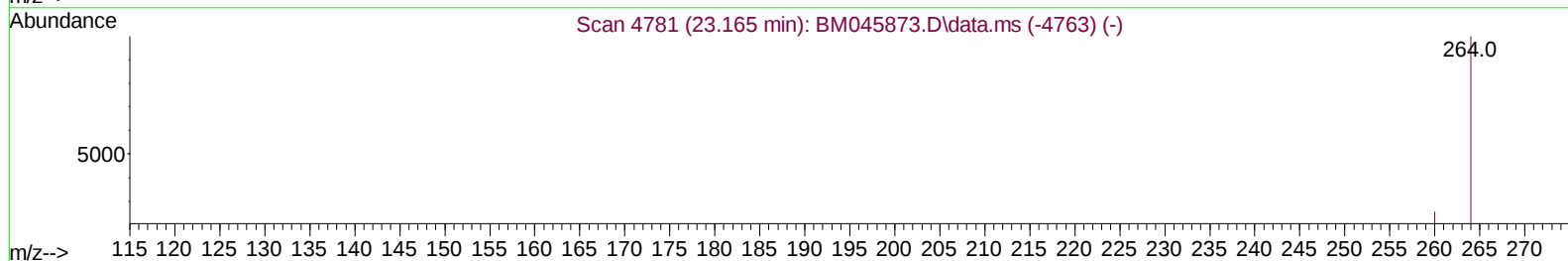
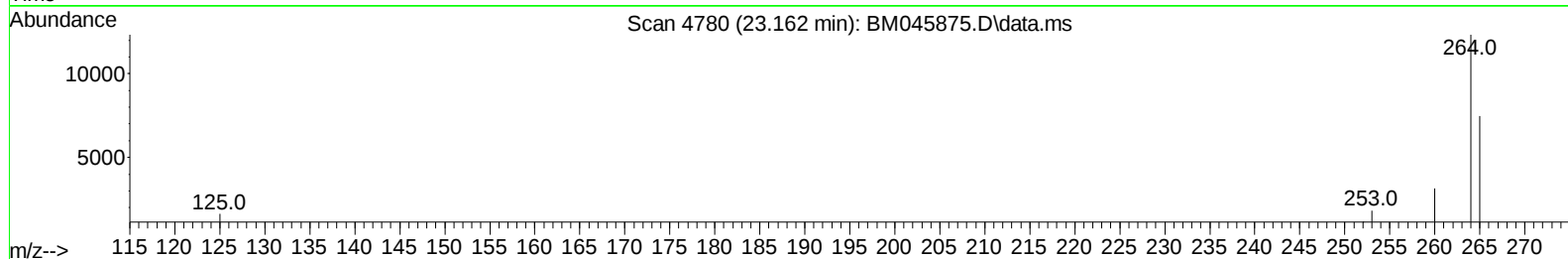
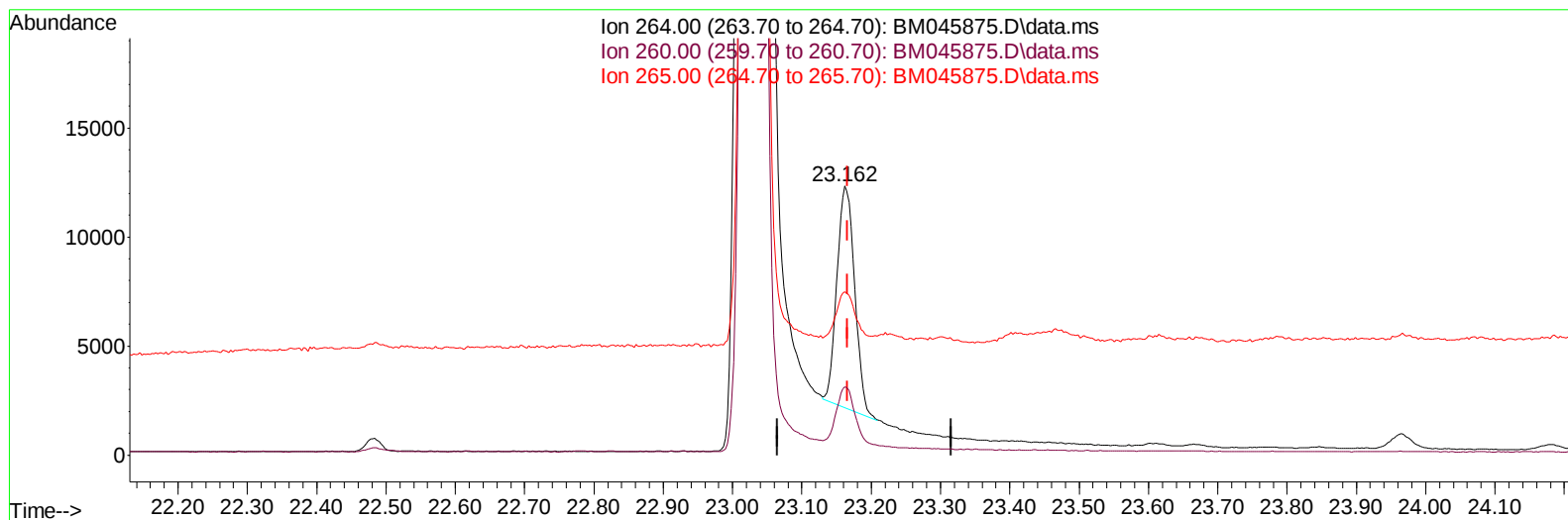
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045875.D\data.ms

(23) Perylene-d12 (I)

23.162min (-0.004) 0.40 ng/u1 m

response 18015

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.47
265.00	76.60	60.69#
0.00	0.00	0.00

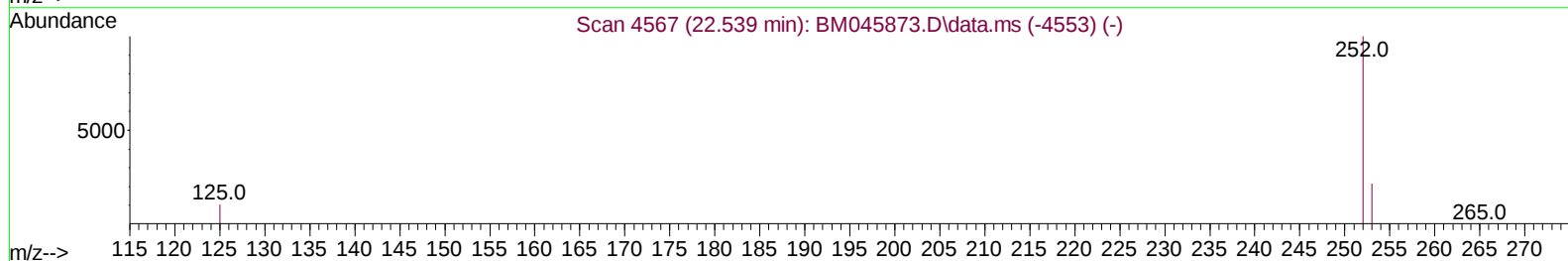
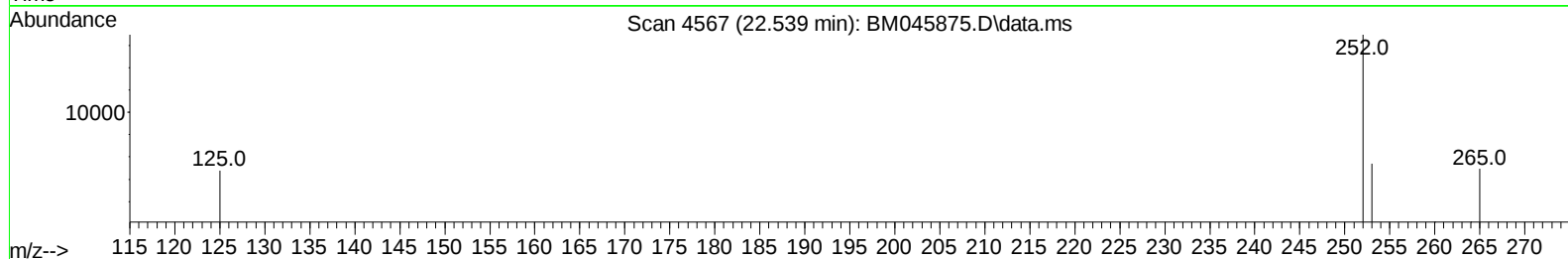
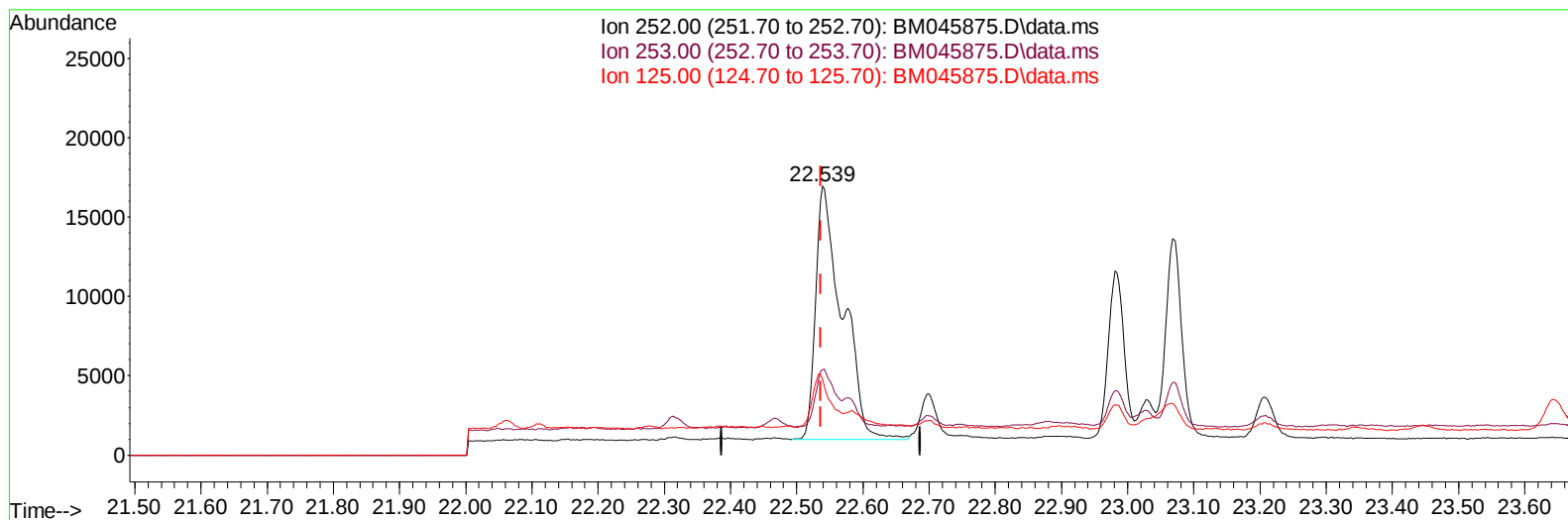
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

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TIC: BM045875.D\data.ms

(24) Benzo(b)fluoranthene

22.539min (+ 0.002) 0.75 ng/u1

response 44833

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	31.72
125.00	17.90	28.09
0.00	0.00	0.00

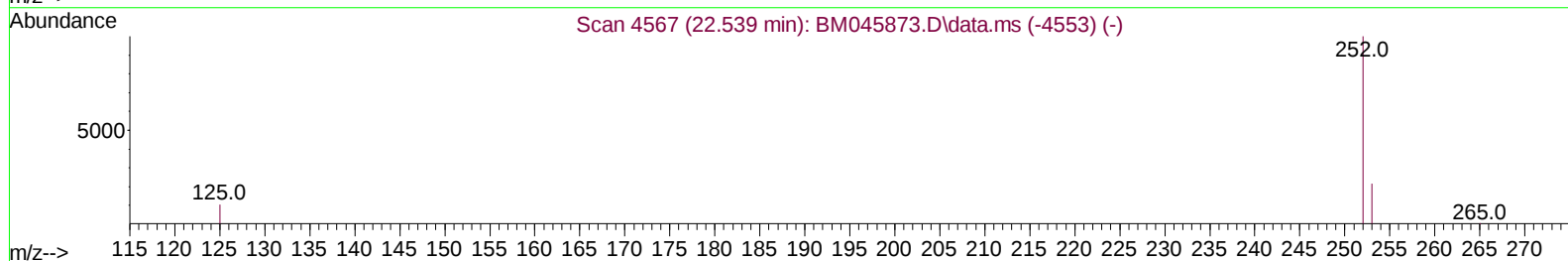
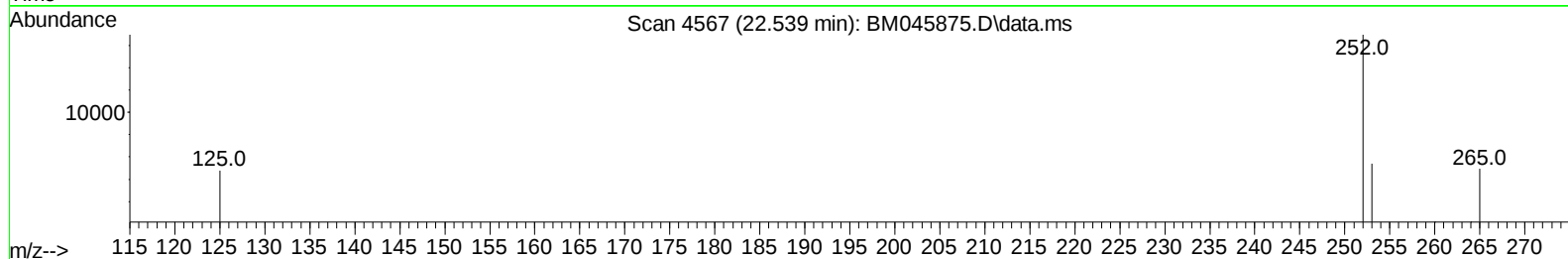
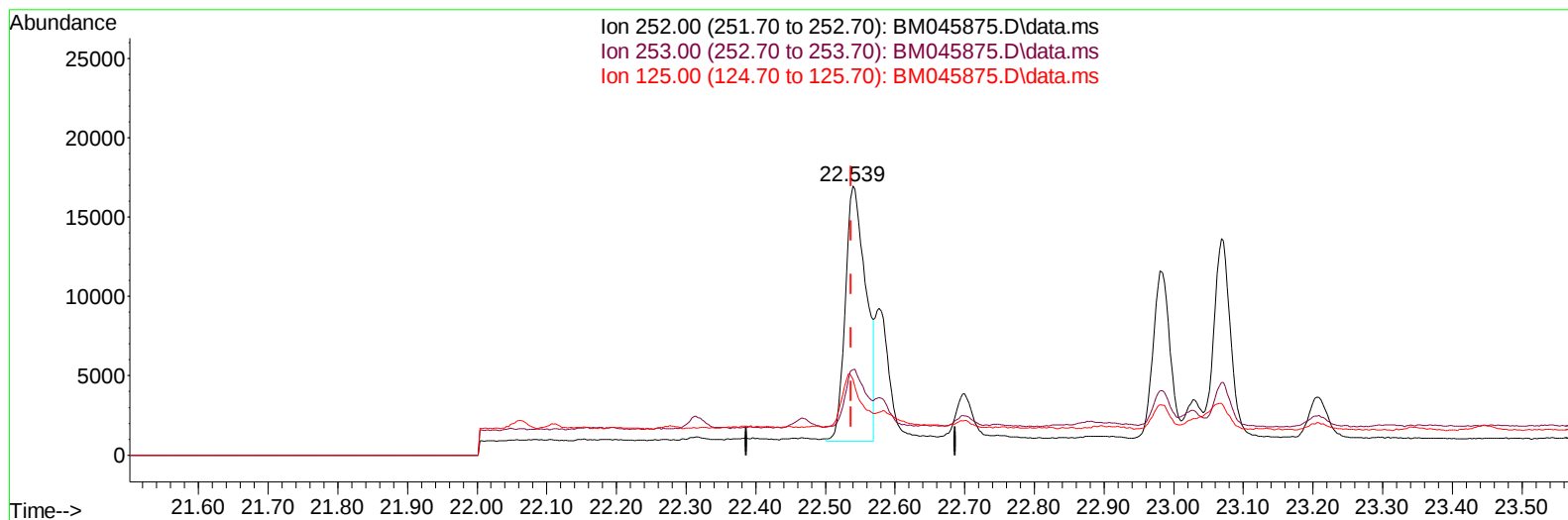
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045875.D\data.ms

(24) Benzo(b)fluoranthene

22.539min (+ 0.002) 0.55 ng/u1 m

response 33111

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	31.72
125.00	17.90	28.09
0.00	0.00	0.00

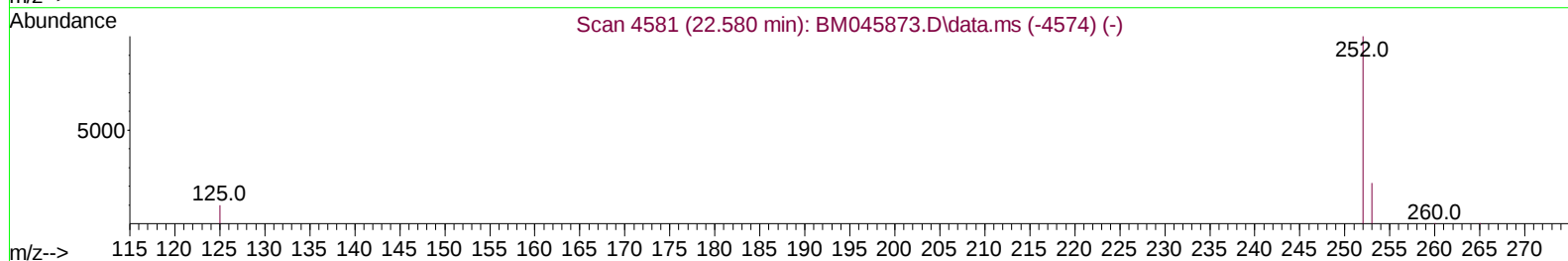
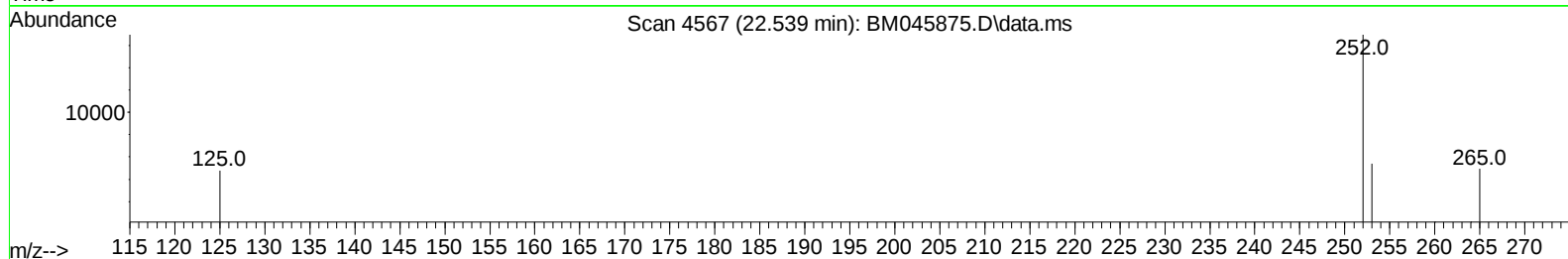
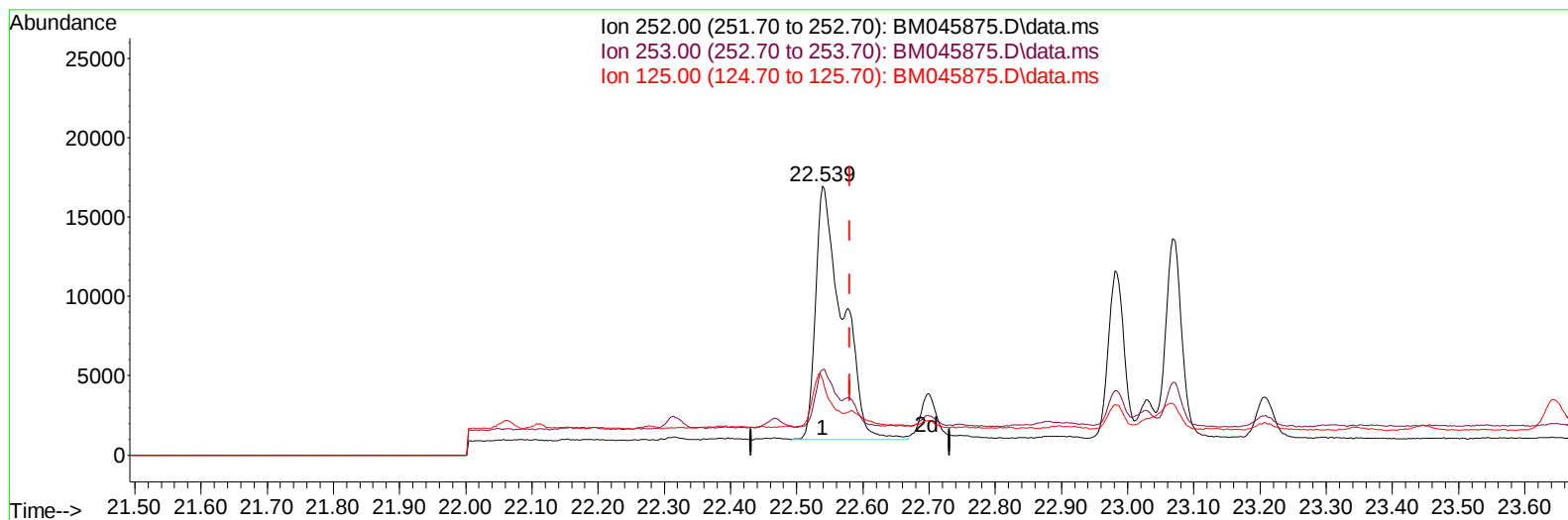
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045875.D
Acq On : 07 Jun 2024 10:39
Operator : MA/JU
Sample : P2586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D16

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/08/2024
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Quant Time: Jun 07 11:12:46 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration



TIC: BM045875.D\data.ms

(25) Benzo(k)fluoranthene

22.539min (-0.042) 0.68 ng/u1

response 44833

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	31.72
125.00	17.70	28.09#
0.00	0.00	0.00

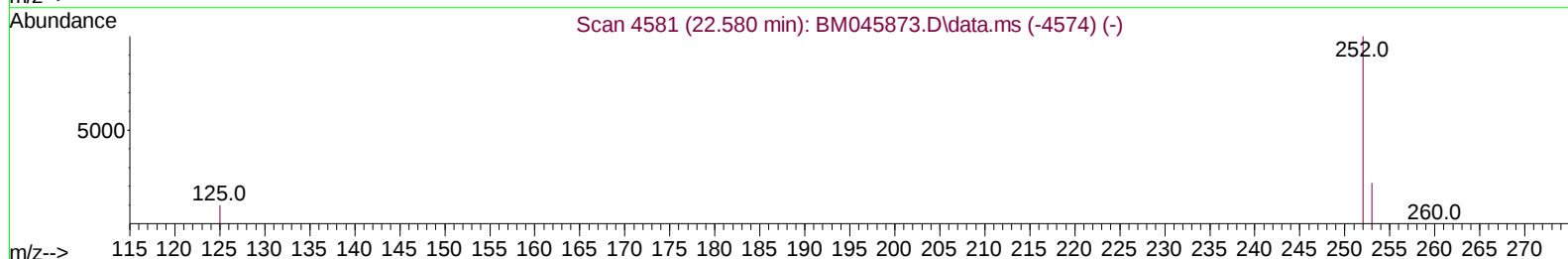
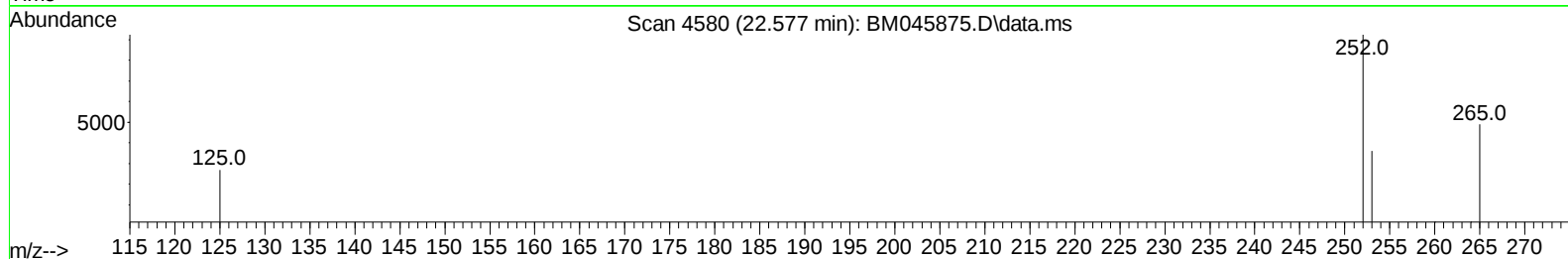
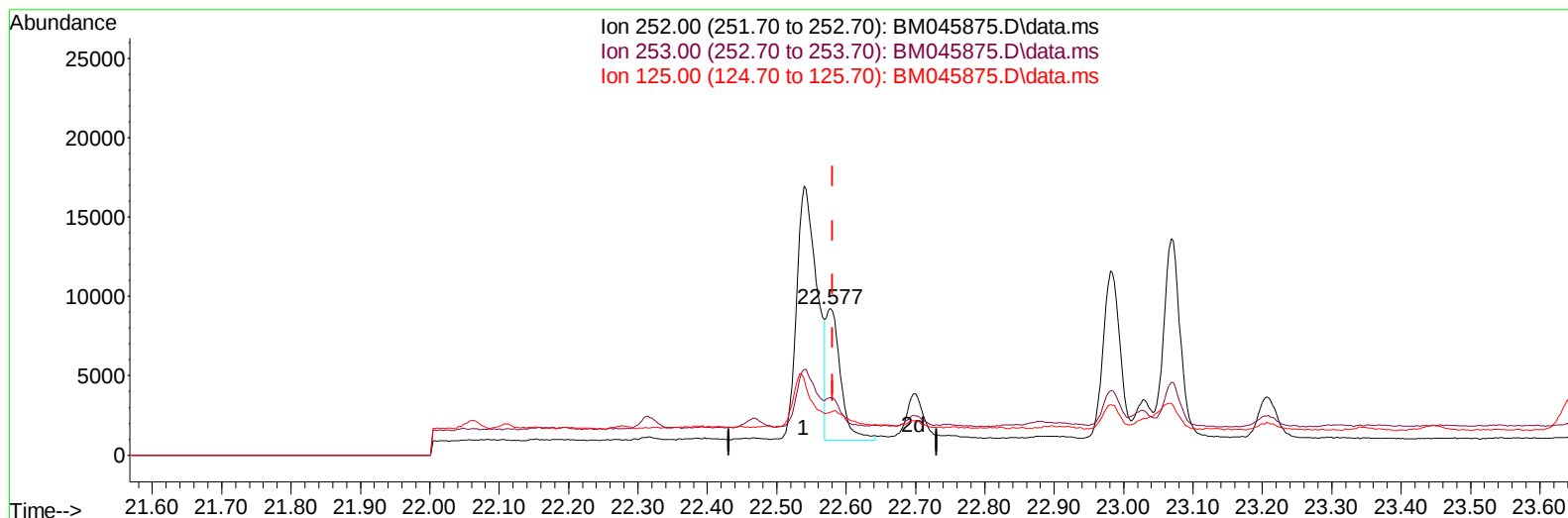
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045875.D
 Acq On : 07 Jun 2024 10:39
 Operator : MA/JU
 Sample : P2586-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D16

Manual IntegrationsAPPROVED

Quant Time: Jun 07 11:12:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 17:58:22 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024



TIC: BM045875.D\data.ms

(25) Benzo(k)fluoranthene

22.577min (-0.004) 0.18 ng/u1 m

response 12040

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	39.13#
125.00	17.70	29.17#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045875.D
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.468	152		6441	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136		22080	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.118	164		11736	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.858	188		25017m	0.400	ng/ul	0.00
17) Chrysene-d12	21.052	240		19660m	0.400	ng/ul	0.00
23) Perylene-d12	23.162	264		18015m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.058	96		26093	3.557	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.844	152		6367	0.200	ng/ul	0.00
18) Fluoranthene-d10	18.890	212		12897	0.219	ng/ul	0.00
Target Compounds							Qvalue
5) Naphthalene	10.287	128		2926	0.051	ng/ul#	91
7) 2-Methylnaphthalene	11.921	142		1099	0.030	ng/ul	95
8) 1-Methylnaphthalene	12.141	142		963	0.024	ng/ul	97
10) Acenaphthylene	13.831	152		3468	0.065	ng/ul#	94
12) Fluorene	15.168	166		1192	0.027	ng/ul#	96
15) Phenanthrene	16.896	178		21543m	0.307	ng/ul	
16) Anthracene	16.985	178		4576m	0.076	ng/ul	
19) Fluoranthene	18.918	202		48113	0.614	ng/ul	99
20) Pyrene	19.281	202		44013	0.538	ng/ul	100
21) Benzo(a)anthracene	21.038	228		20646	0.286	ng/ul	93
22) Chrysene	21.090	228		25259	0.322	ng/ul	98
24) Benzo(b)fluoranthene	22.539	252		33111m	0.554	ng/ul	
25) Benzo(k)fluoranthene	22.577	252		12040m	0.183	ng/ul	
26) Benzo(a)pyrene	23.068	252		20997	0.353	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.232	276		16643	0.217	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.235	278		3756	0.061	ng/ul#	45
29) Benzo(g,h,i)perylene	25.859	276		17415	0.263	ng/ul	97

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

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