

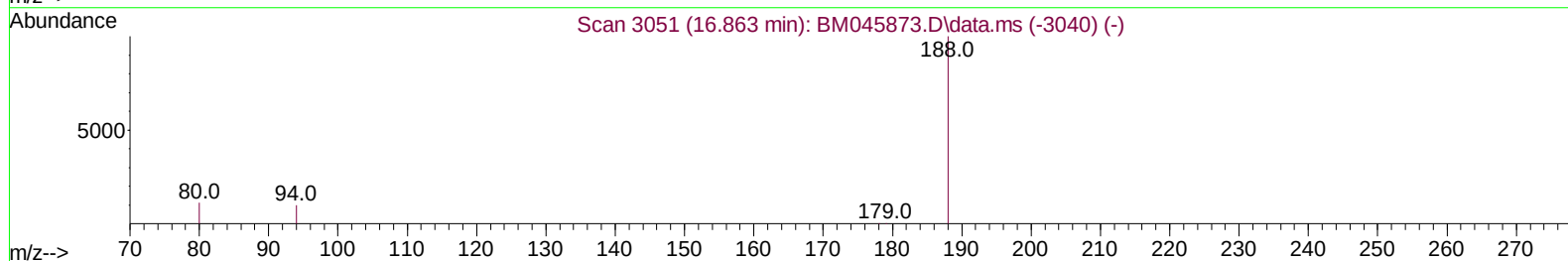
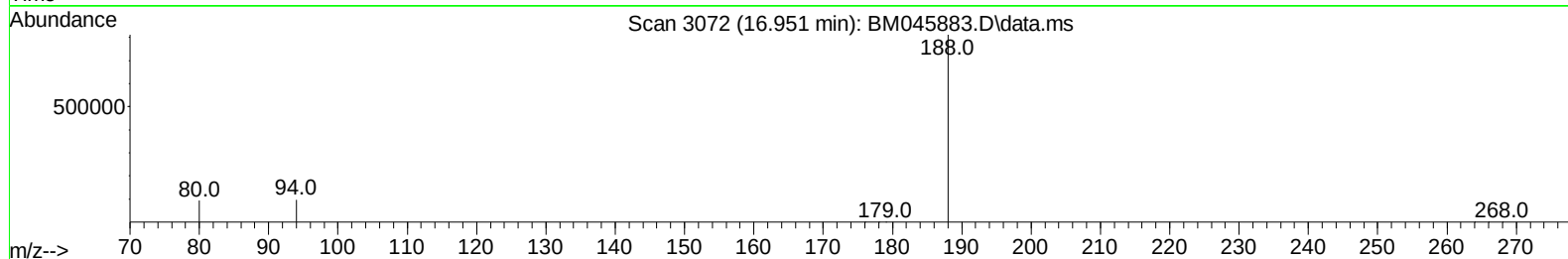
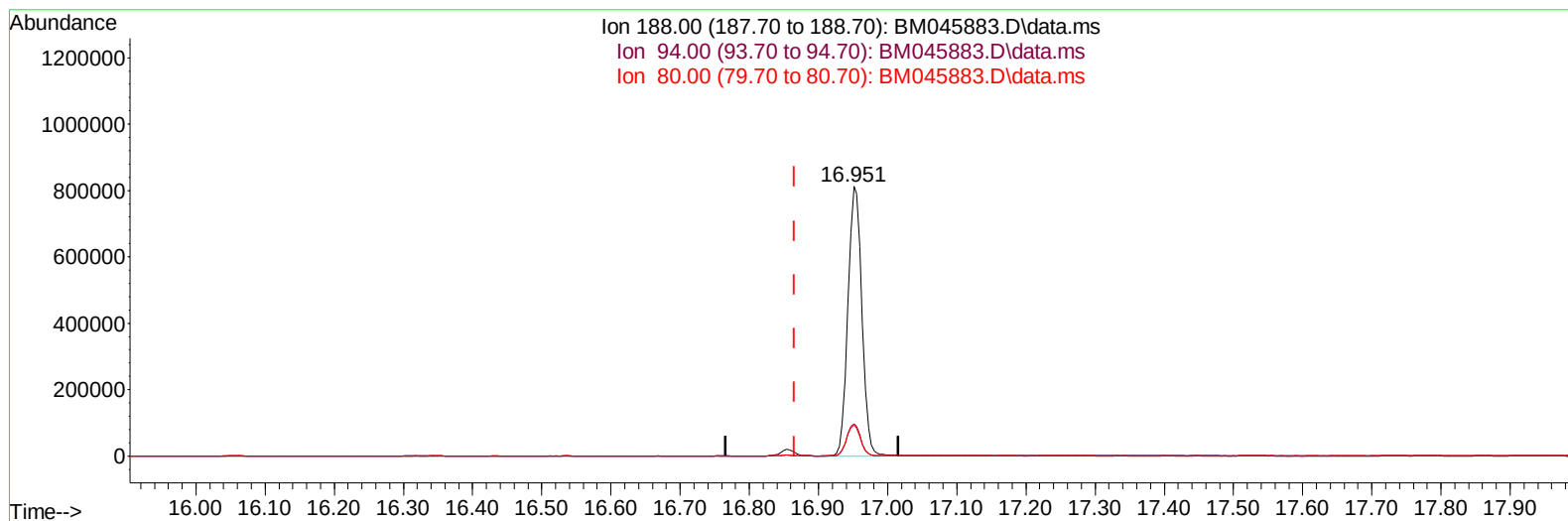
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:42:33 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: BM045883.D\data.ms

(13) Phenanthrene-d10 (I)

16.951min (+ 0.085) 0.40 ng/u1

response 1131034

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	12.02
80.00	11.70	11.46
0.00	0.00	0.00

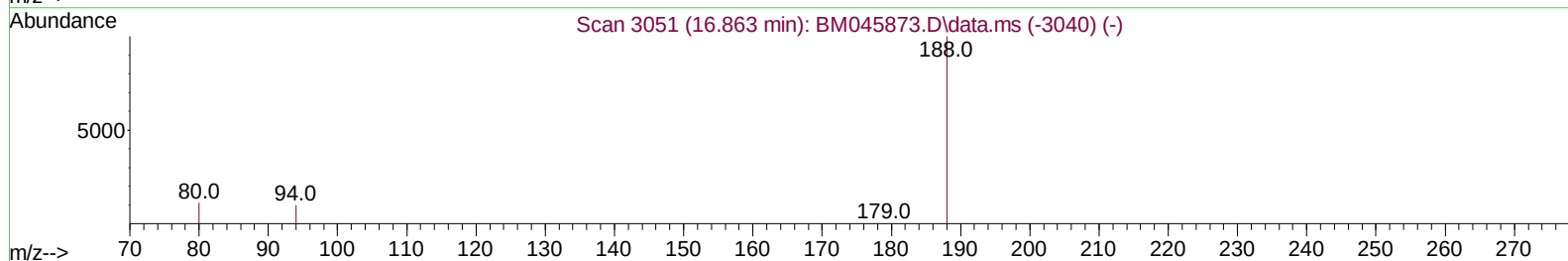
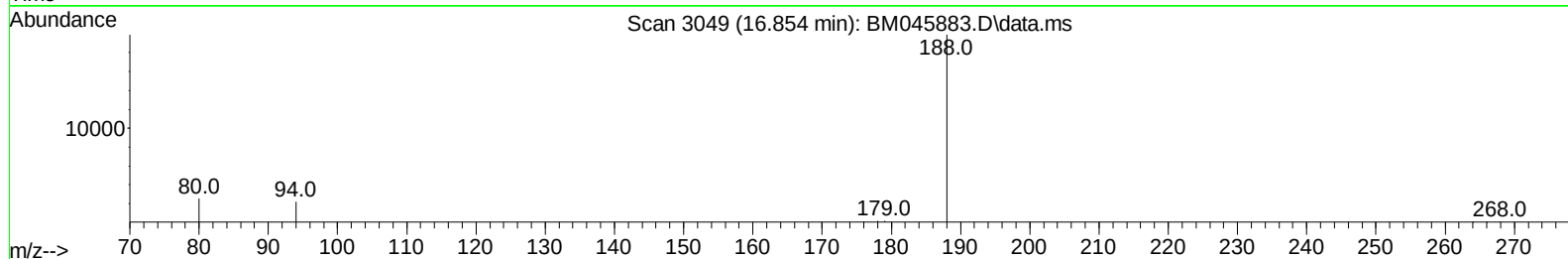
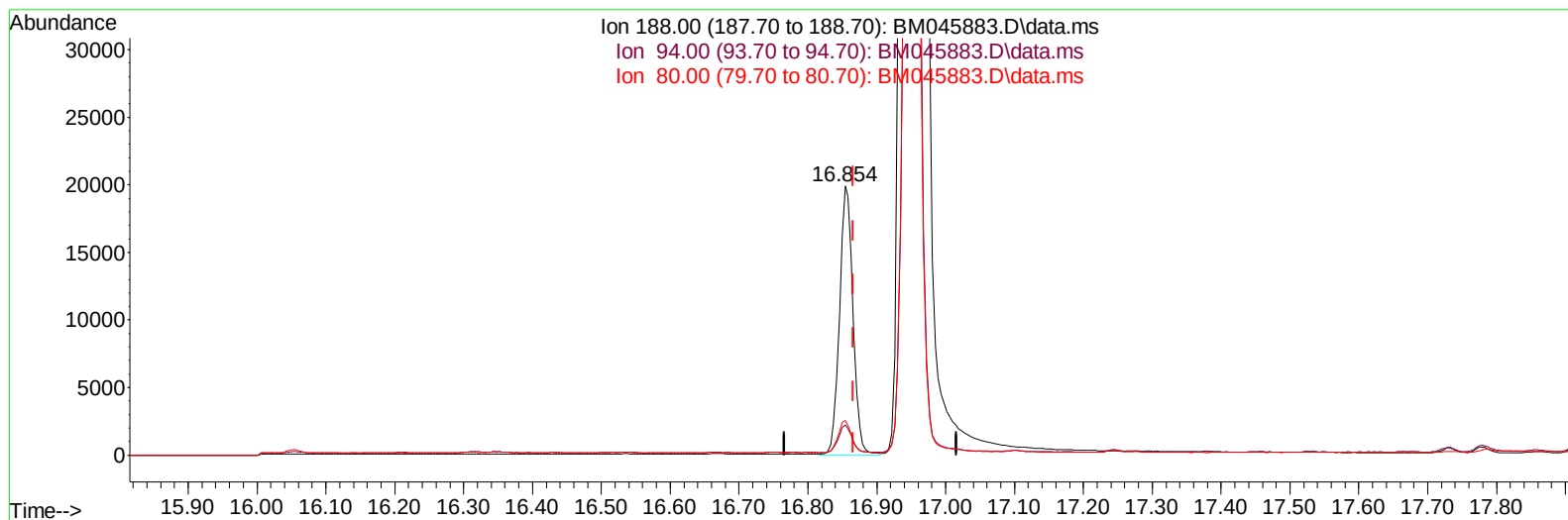
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:42:33 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
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TIC: BM045883.D\data.ms

(13) Phenanthrene-d10 (I)

16.854min (-0.012) 0.40 ng/ul m

response 27193

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.18
80.00	11.70	12.95
0.00	0.00	0.00

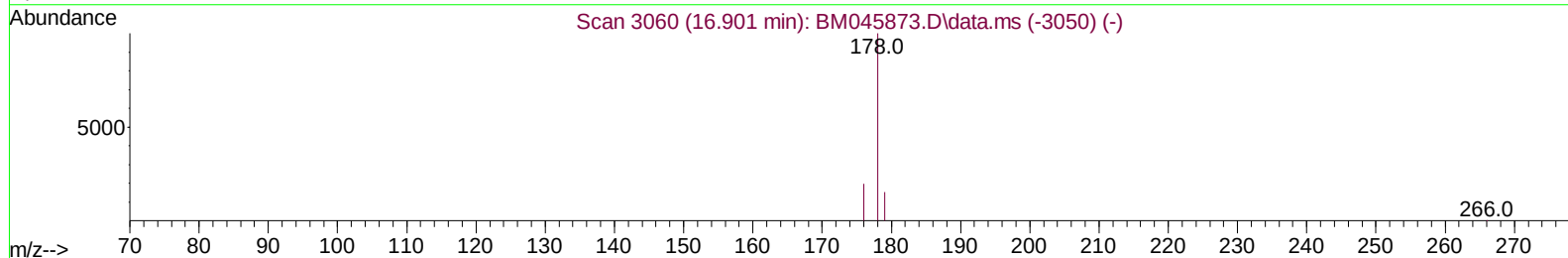
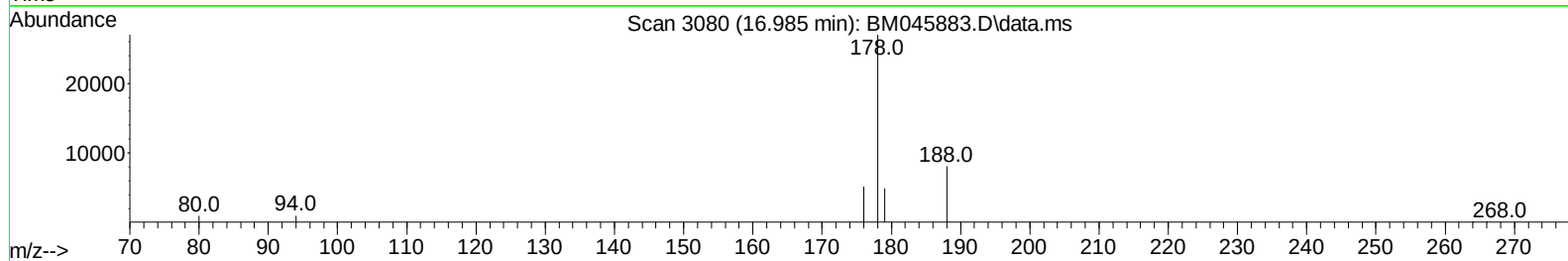
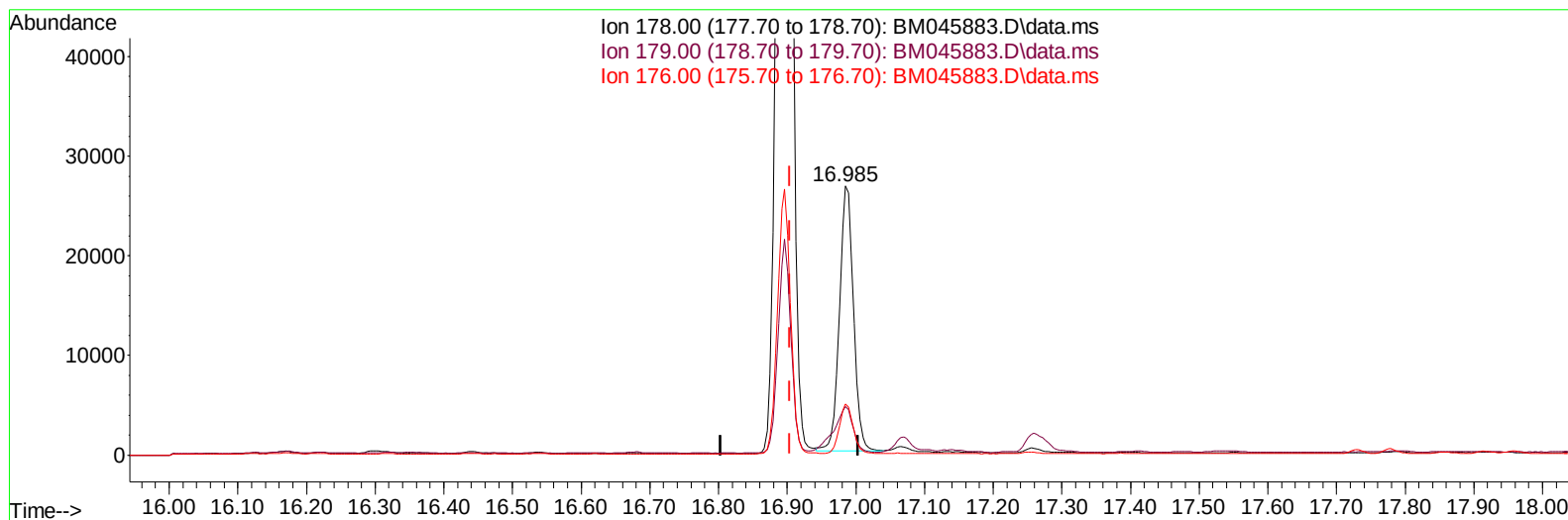
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/08/2024
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Quant Time: Jun 07 16:42:33 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM045883.D\data.ms

(15) Phenanthrene

16.985min (+ 0.081) 0.49 ng/u1

response 37619

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	18.06
176.00	19.50	19.08
0.00	0.00	0.00

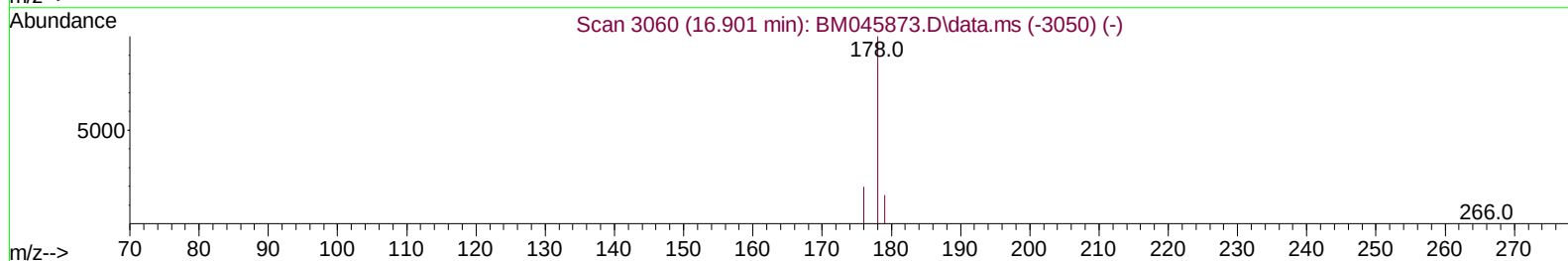
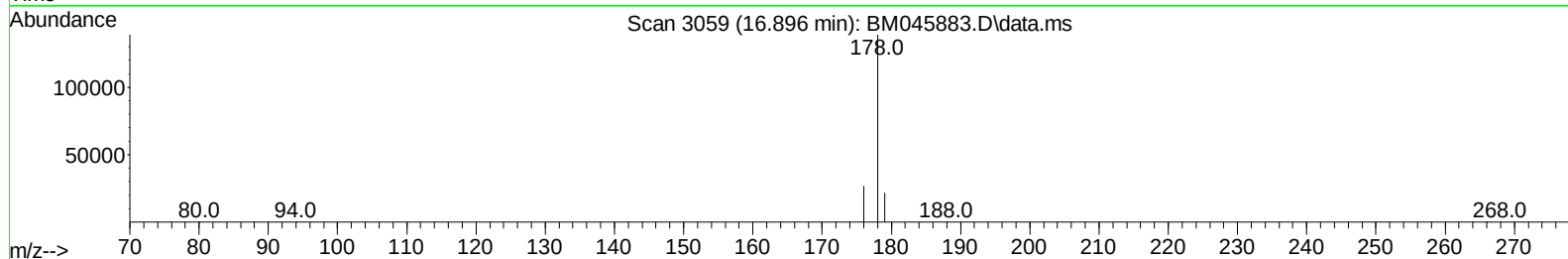
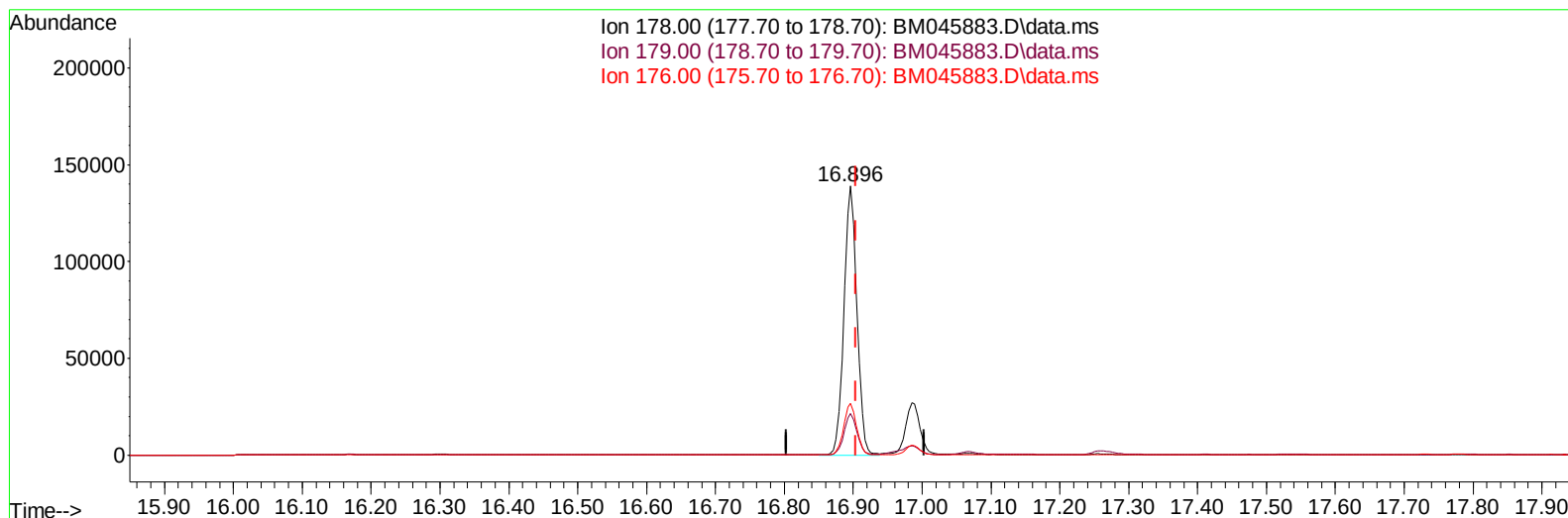
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

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

Quant Time: Jun 07 16:42:33 2024
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Response via : Initial Calibration



TIC: BM045883.D\data.ms

(15) Phenanthrene

16.896min (-0.007) 2.39 ng/ul m

response 182656

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.57
176.00	19.50	19.22
0.00	0.00	0.00

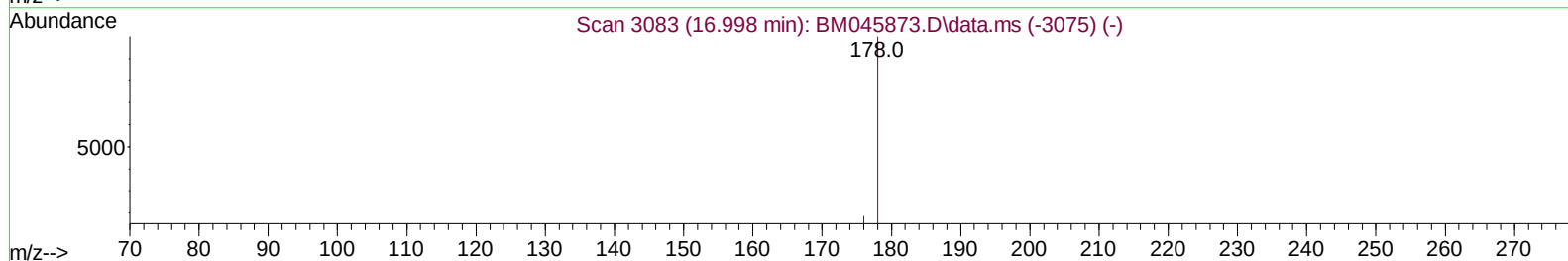
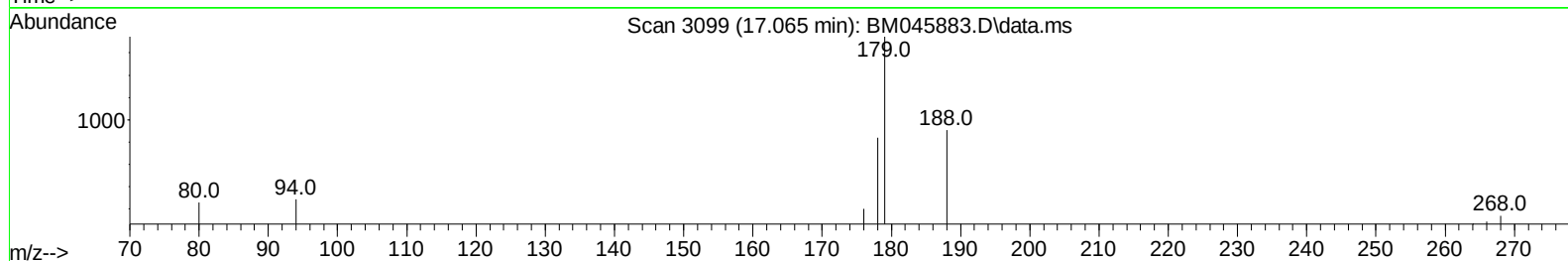
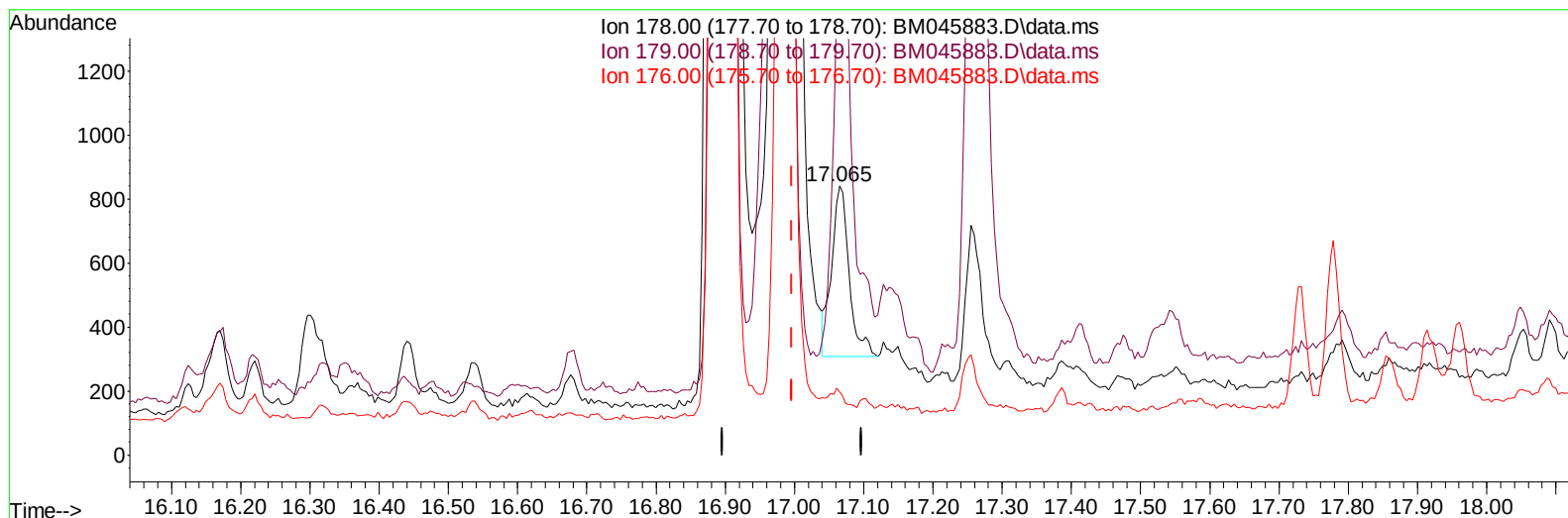
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045883.D
 Acq On : 07 Jun 2024 15:31
 Operator : MA/JU
 Sample : P2586-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C28

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:42:33 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: BM045883.D\data.ms

(16) Anthracene

17.065min (+ 0.069) 0.01 ng/u1

response 938

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	207.74#
176.00	19.40	23.57#
0.00	0.00	0.00

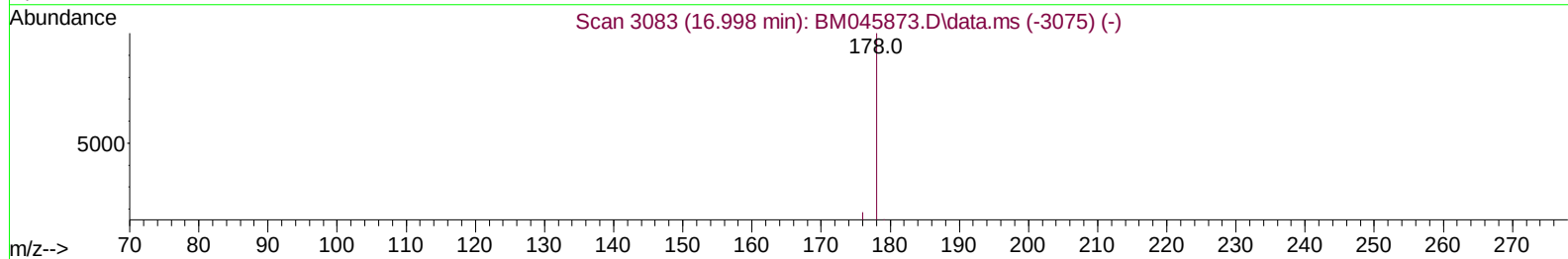
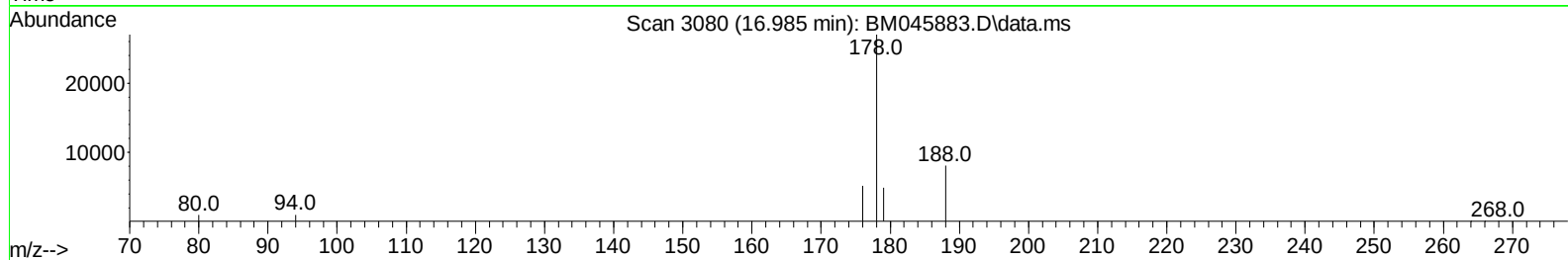
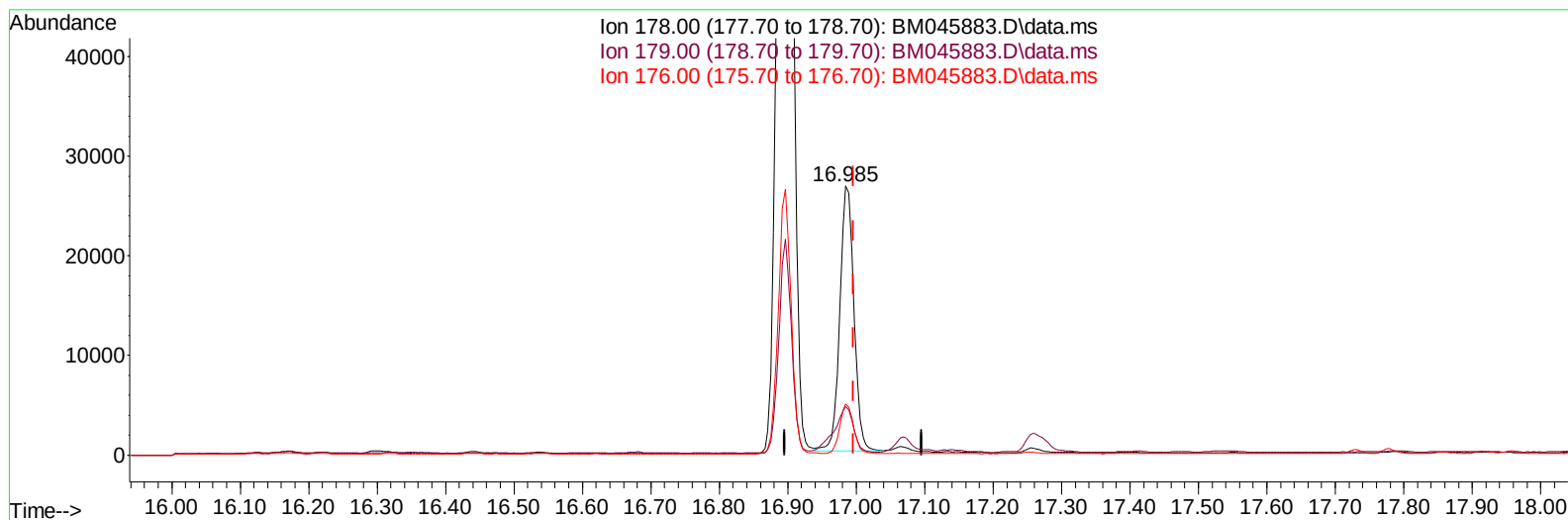
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Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

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

Quant Time: Jun 07 16:42:33 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
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TIC: BM045883.D\data.ms

(16) Anthracene

16.985min (-0.012) 0.58 ng/ul m

response 37813

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	18.06
176.00	19.40	19.08
0.00	0.00	0.00

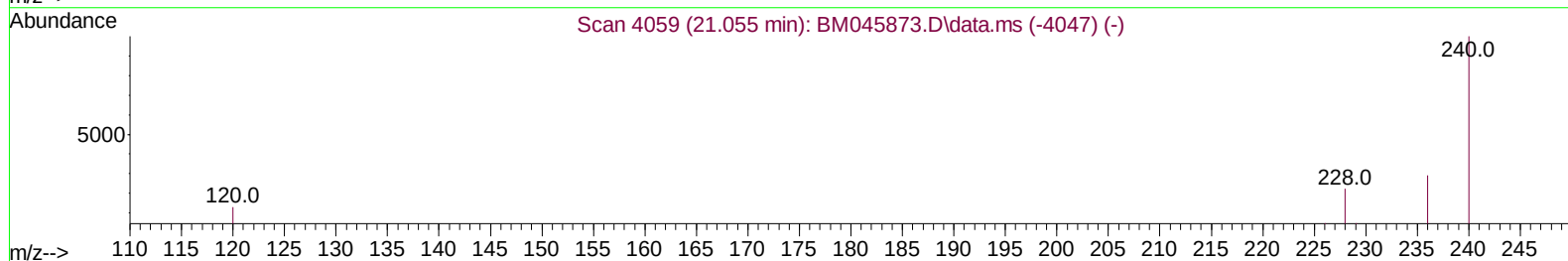
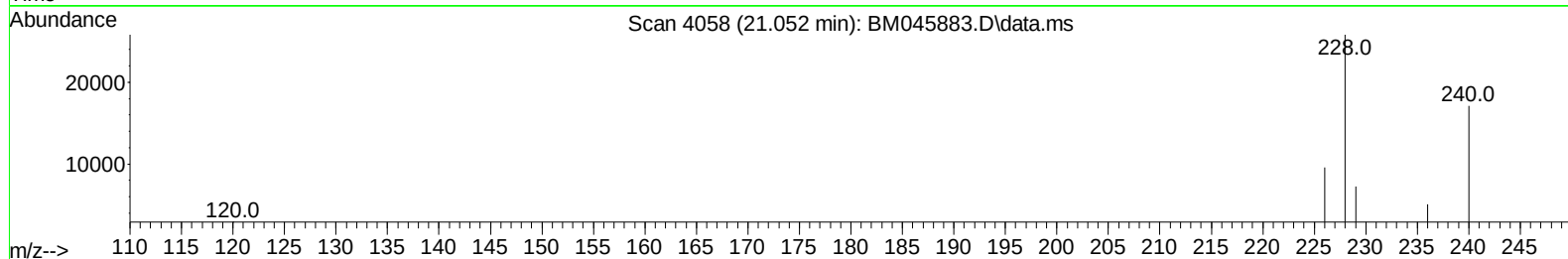
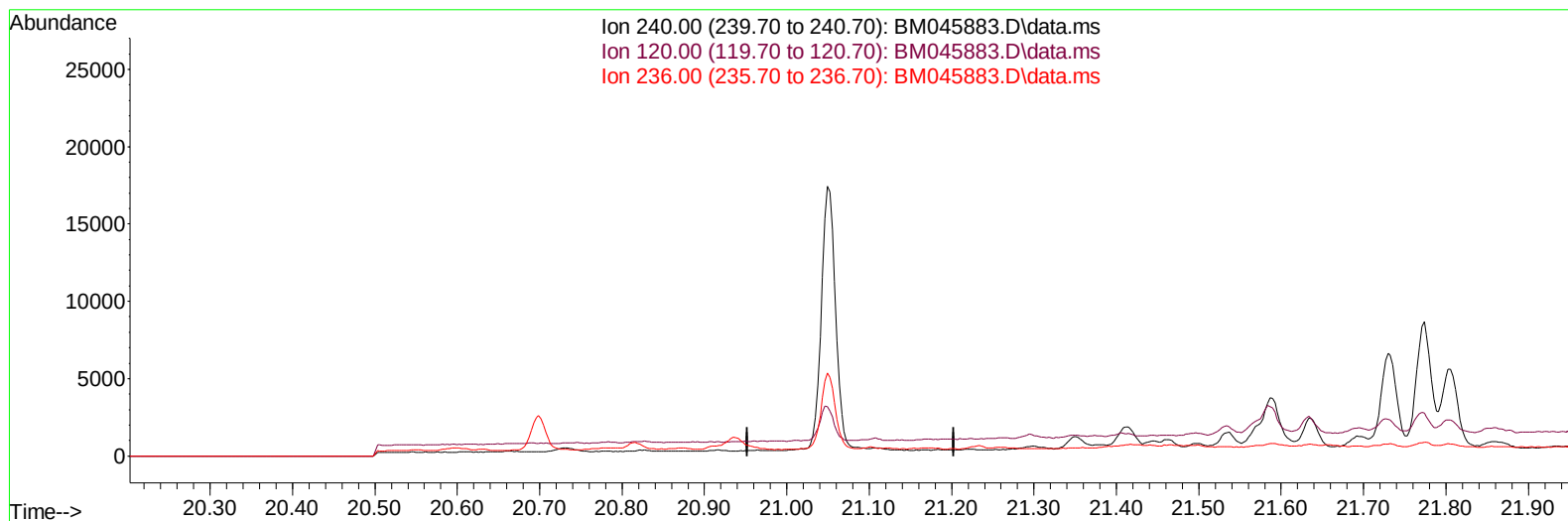
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

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TIC: BM045883.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

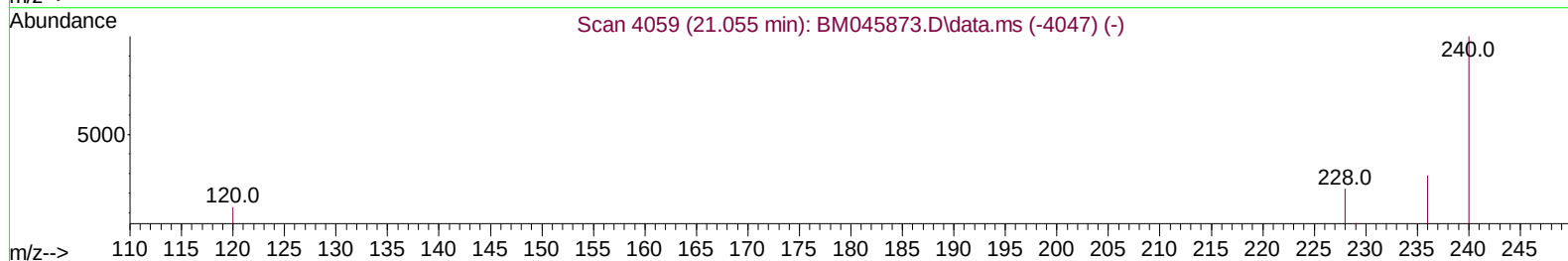
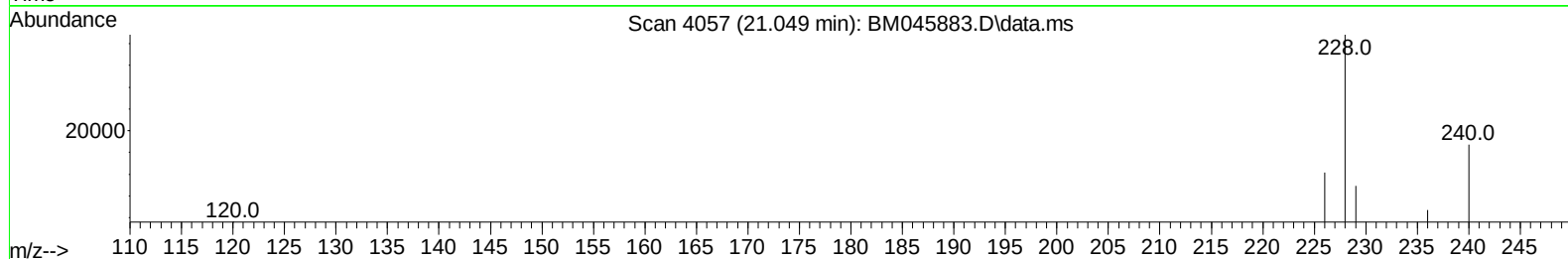
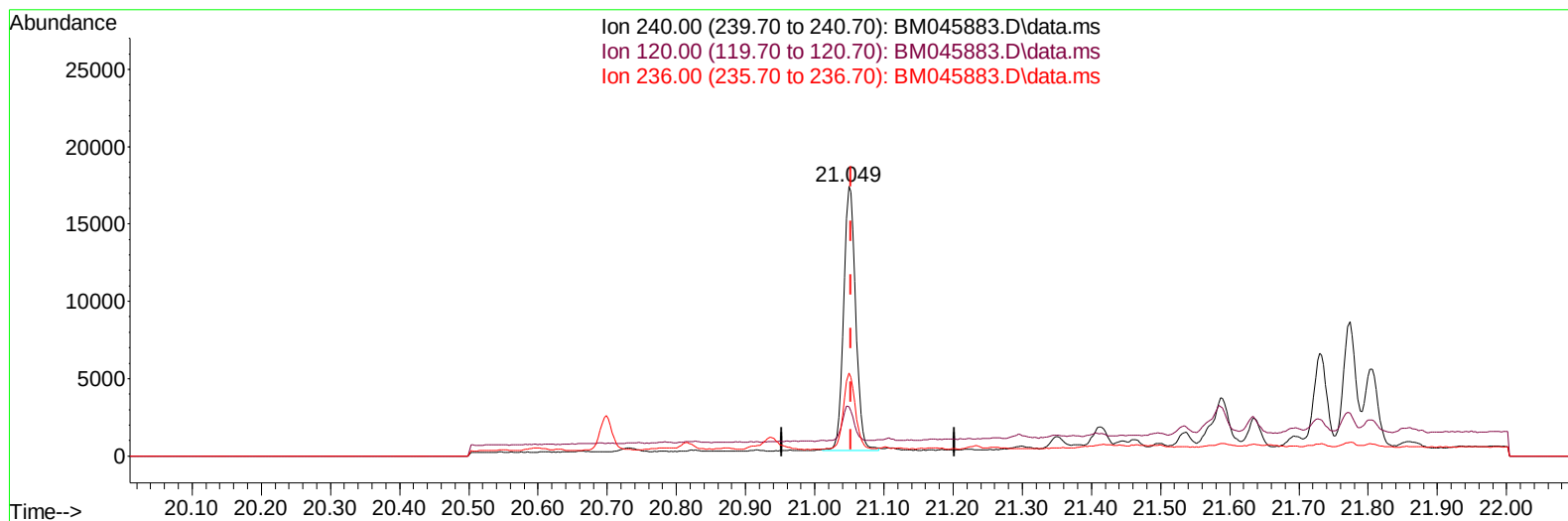
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:42:33 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: BM045883.D\data.ms

(17) Chrysene-d12

21.049min (-0.004) 0.40 ng/ul m

response 20634

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	18.26
236.00	29.50	30.77
0.00	0.00	0.00

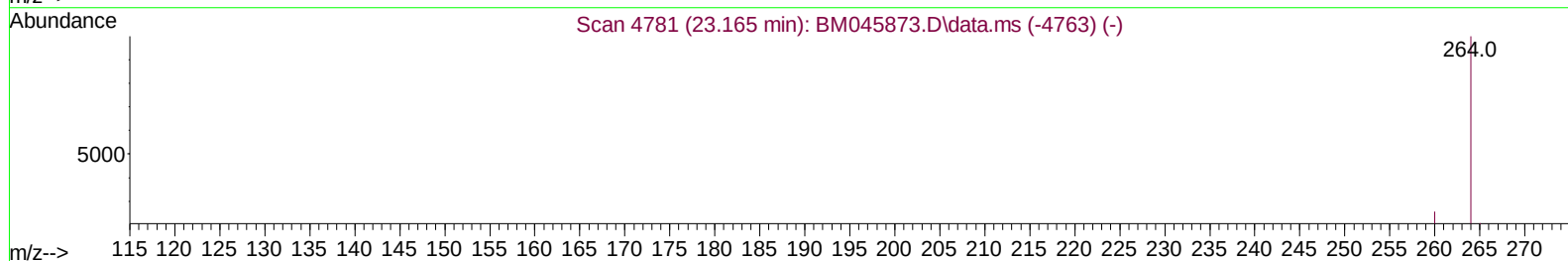
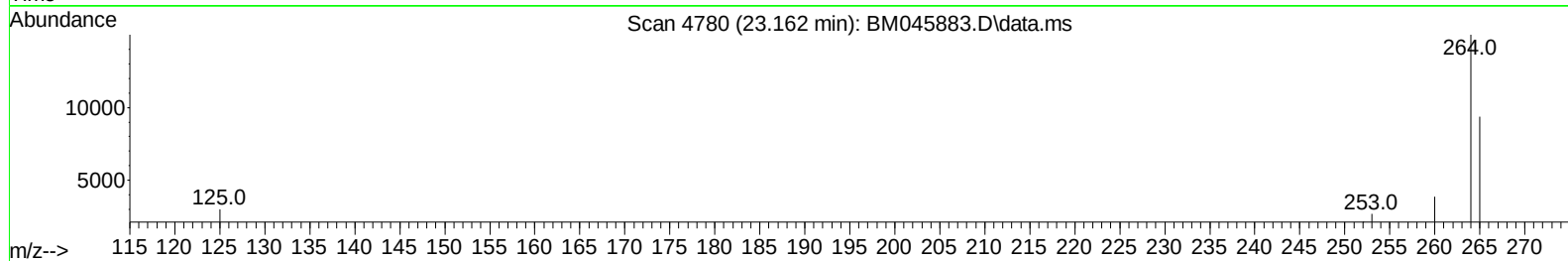
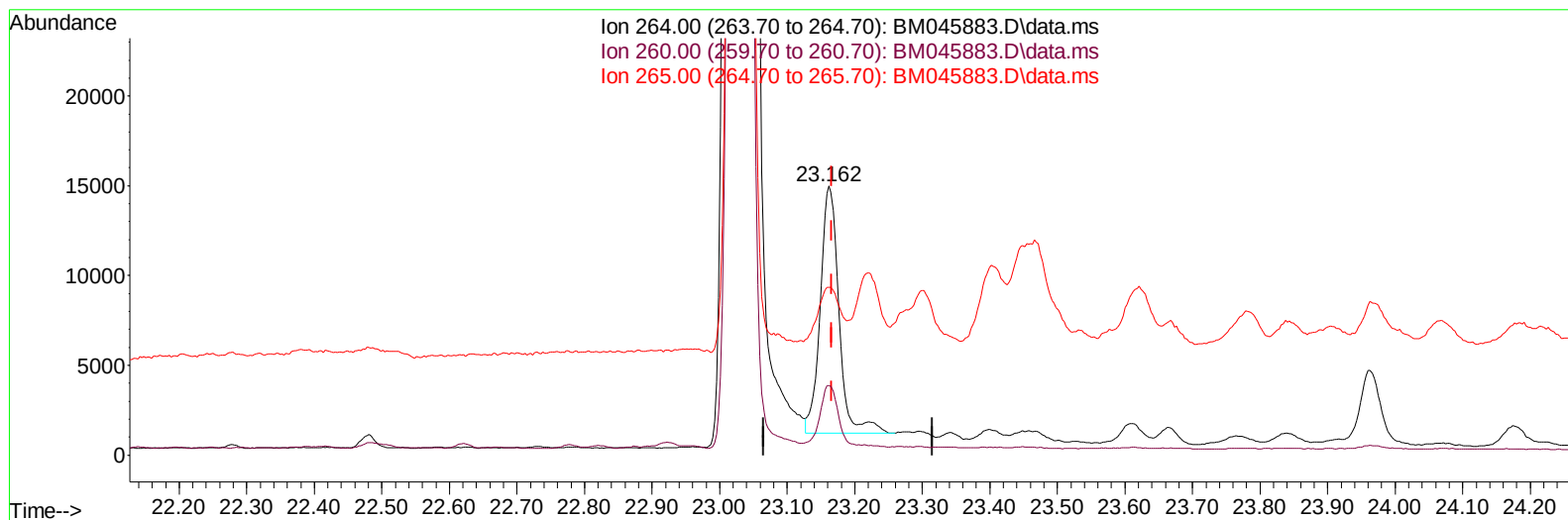
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

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

Quant Time: Jun 07 16:42:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045883.D\data.ms

(23) Perylene-d12 (I)

23.162min (-0.004) 0.40 ng/u1

response 26416

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.87
265.00	76.60	62.47
0.00	0.00	0.00

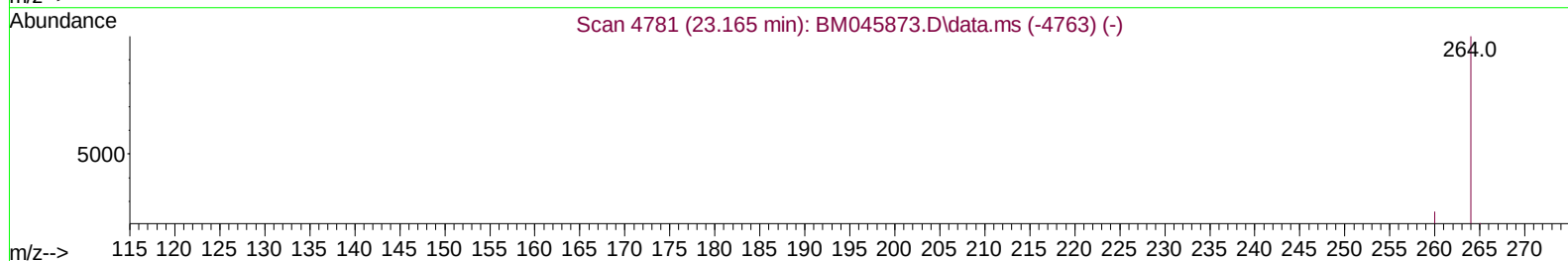
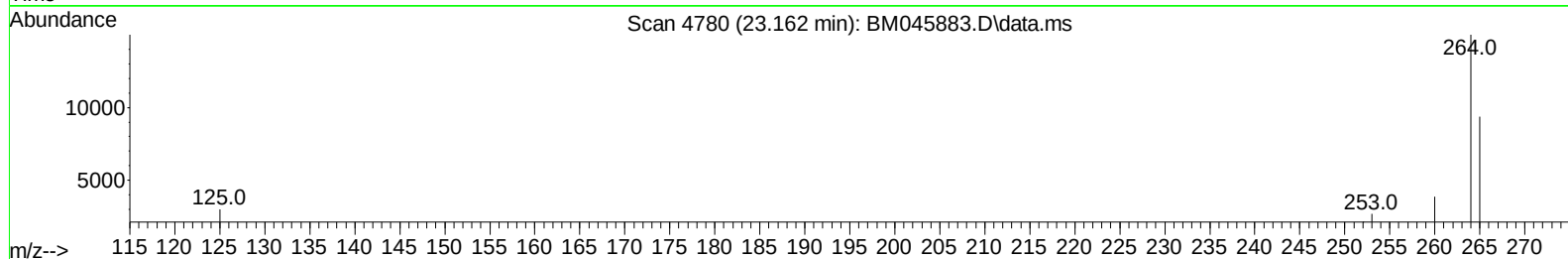
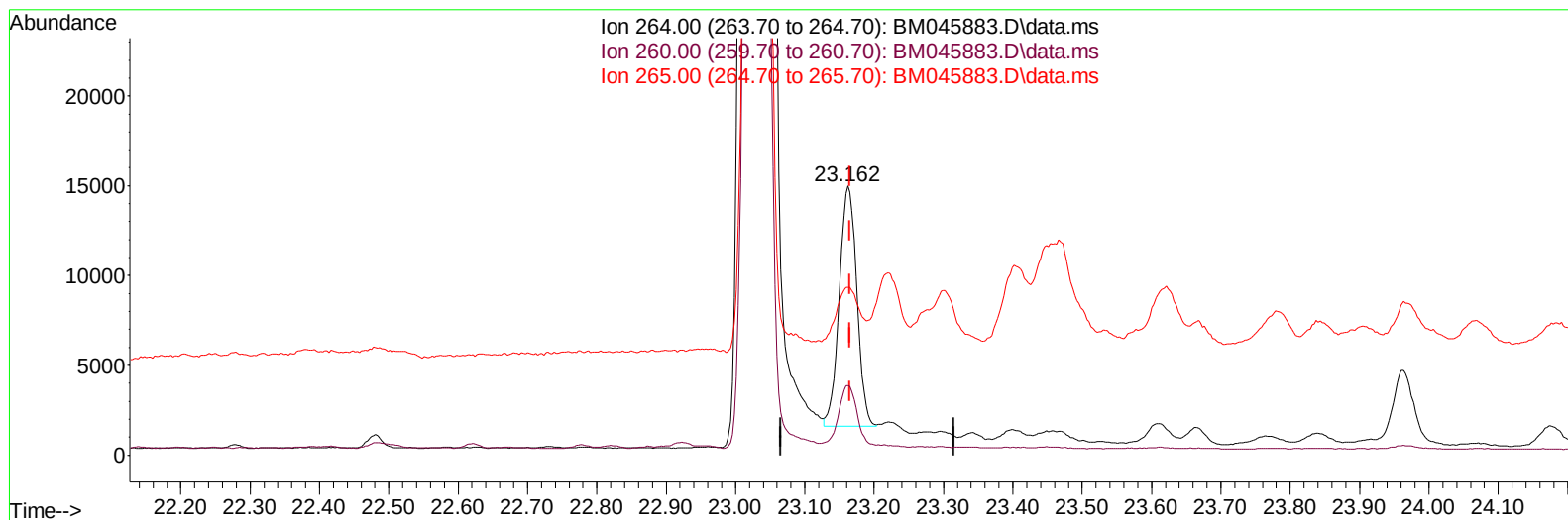
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:42:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045883.D\data.ms

(23) Perylene-d12 (I)

23.162min (-0.004) 0.40 ng/ul m

response 23549

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.87
265.00	76.60	62.47
0.00	0.00	0.00

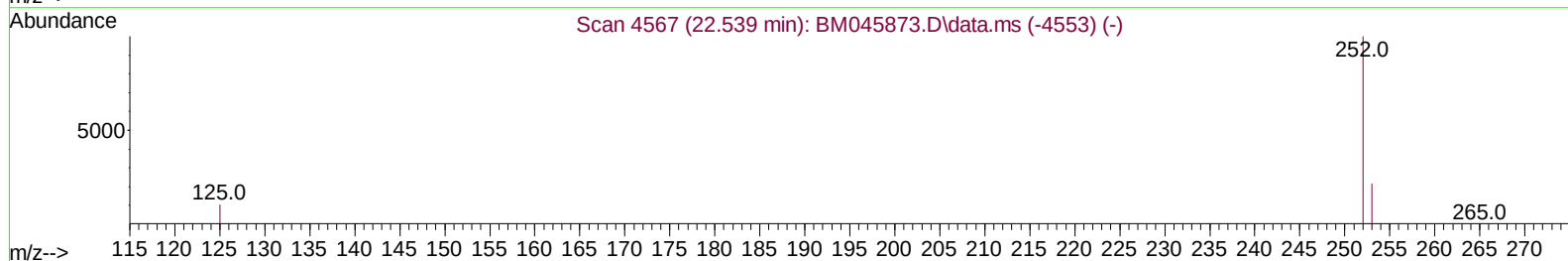
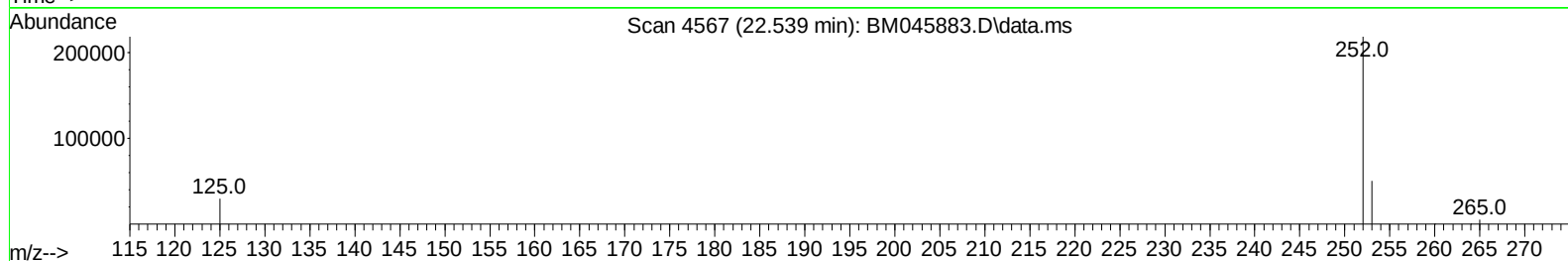
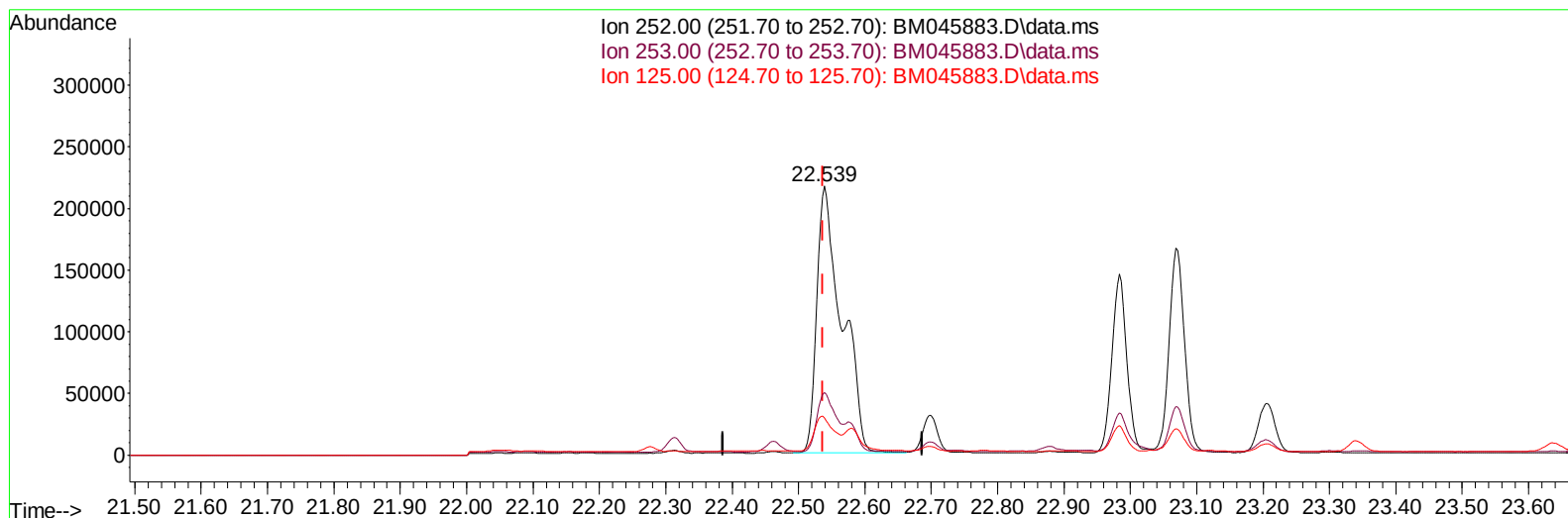
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045883.D\data.ms

(24) Benzo(b)fluoranthene

22.539min (+ 0.002) 7.29 ng/u1

response 569708

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.22
125.00	17.90	13.86
0.00	0.00	0.00

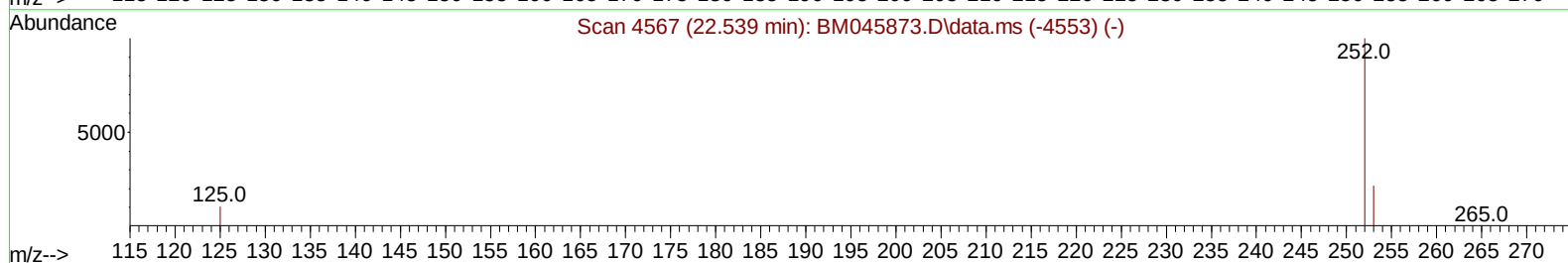
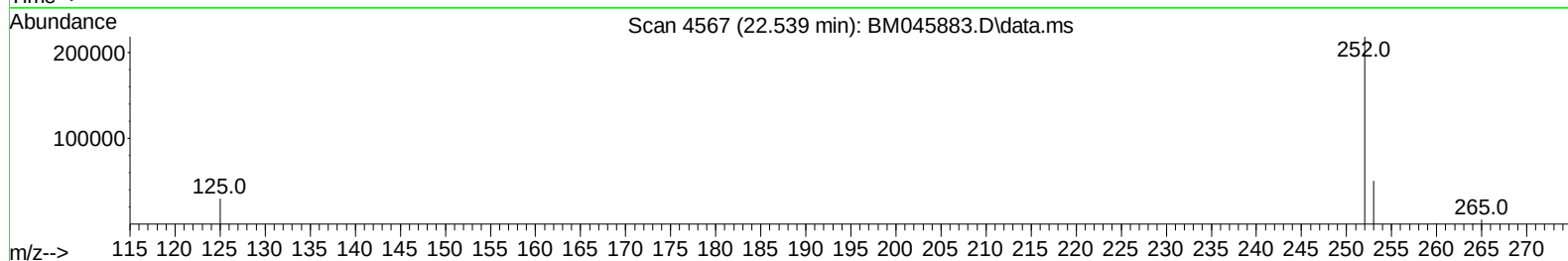
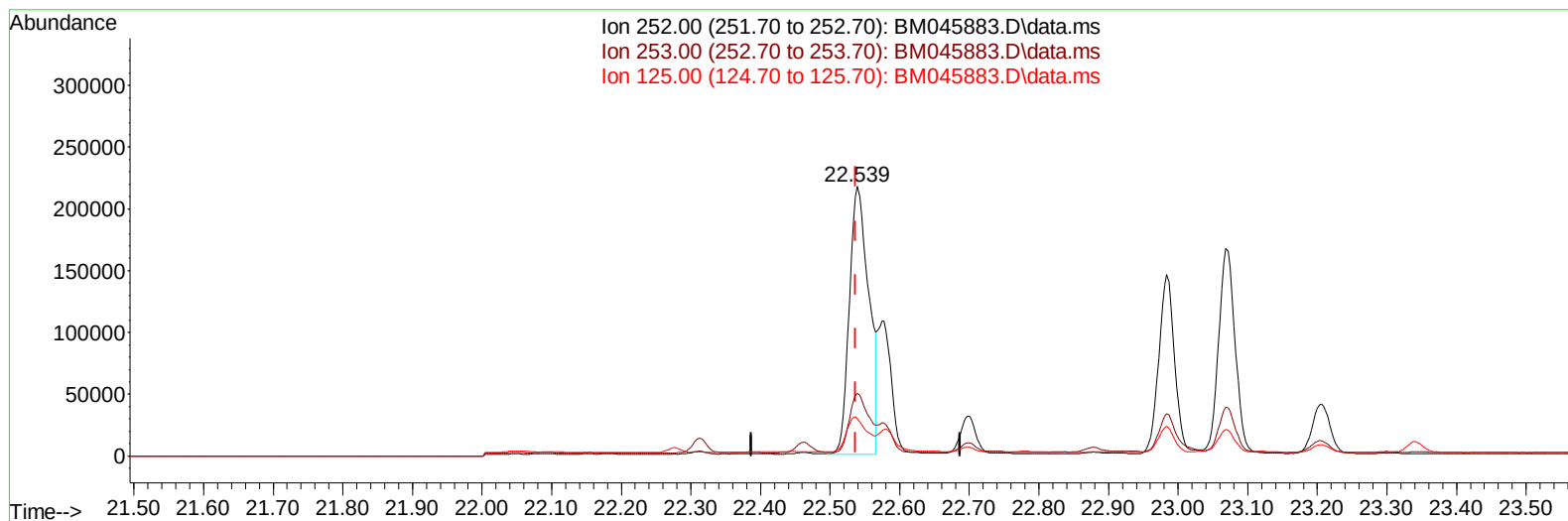
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:42:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045883.D\data.ms

(24) Benzo(b)fluoranthene

22.539min (+ 0.002) 5.41 ng/ul m

response 422615

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.22
125.00	17.90	13.86
0.00	0.00	0.00

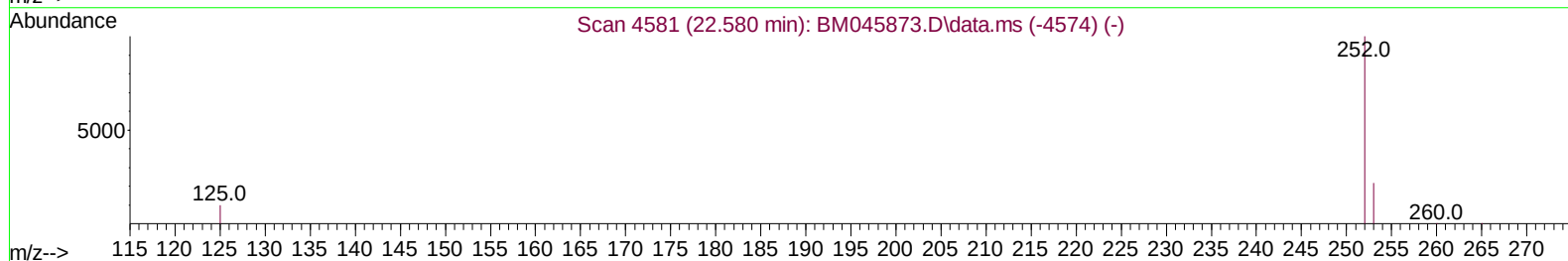
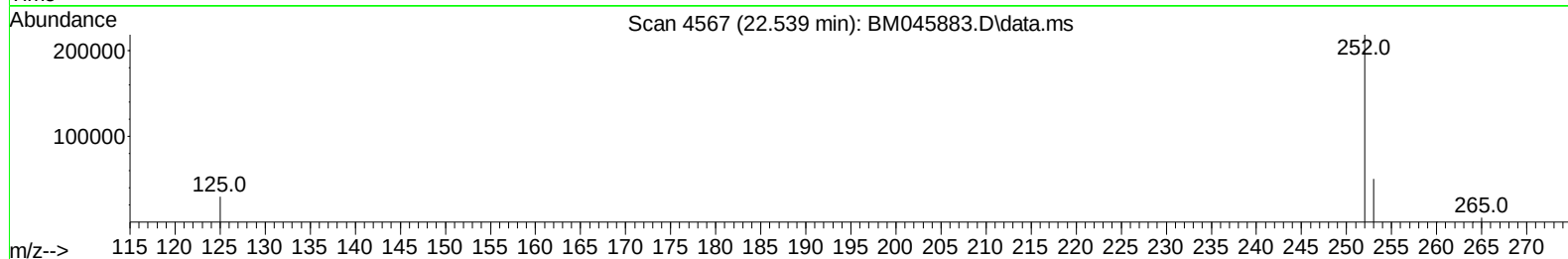
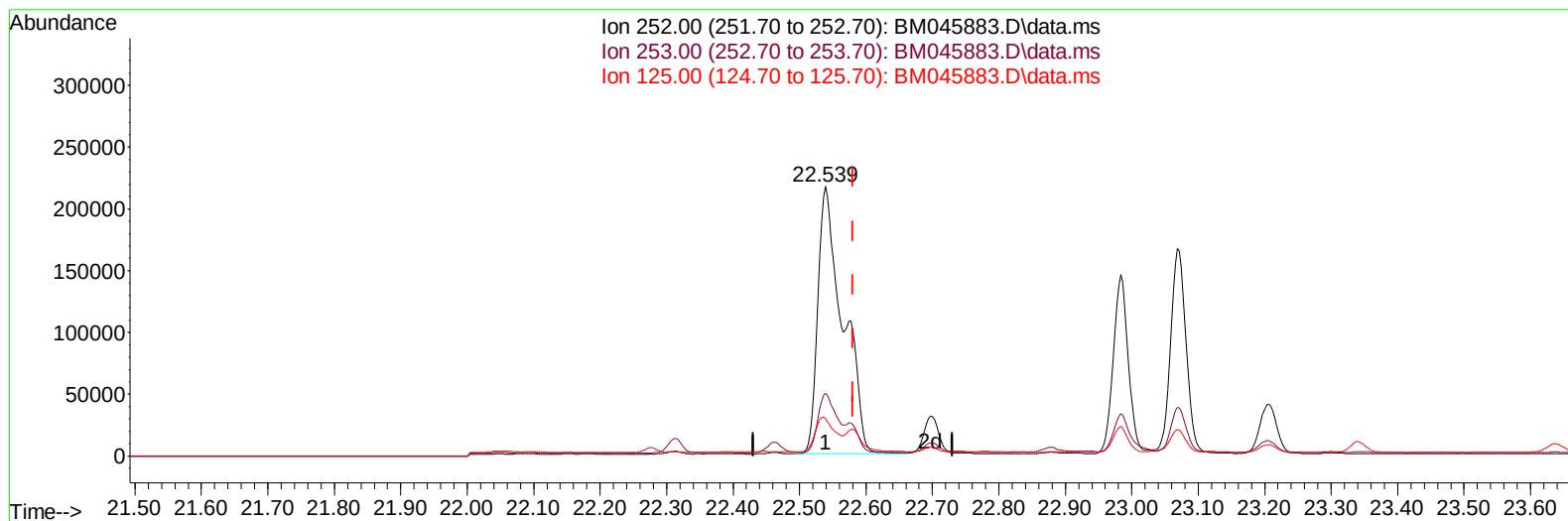
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:42:33 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: BM045883.D\data.ms

(25) Benzo(k)fluoranthene

22.539min (-0.042) 6.64 ng/u1

response 569708

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	23.22#
125.00	17.70	13.86#
0.00	0.00	0.00

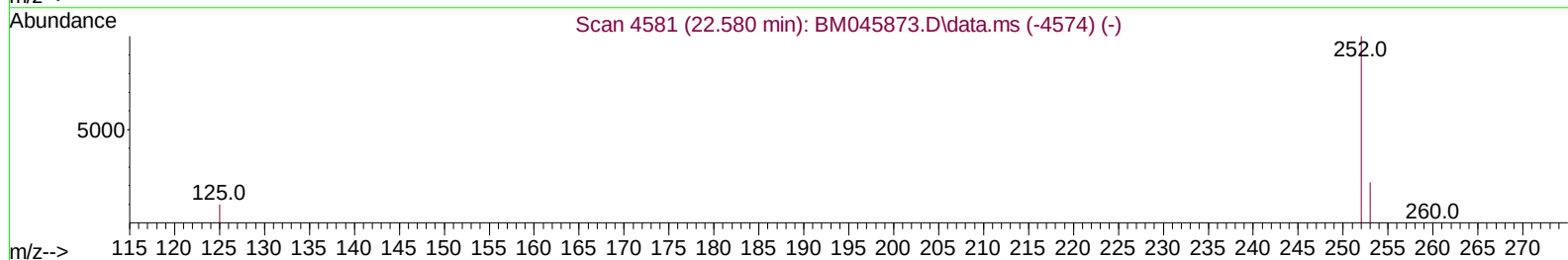
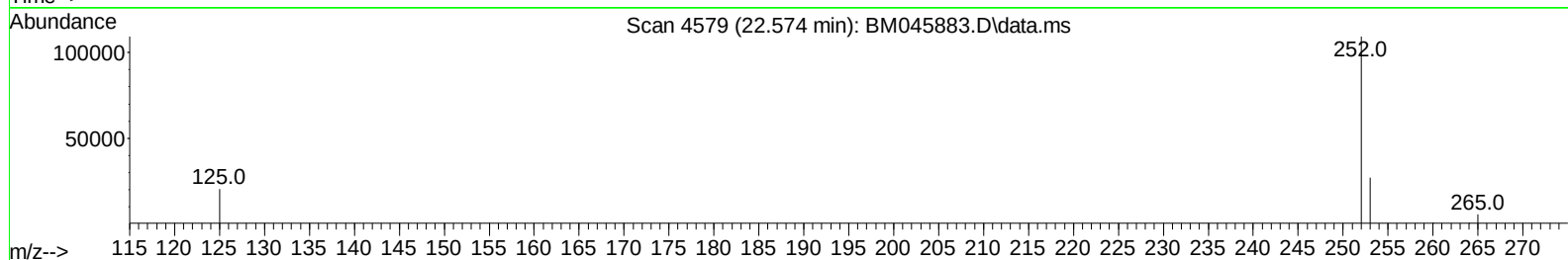
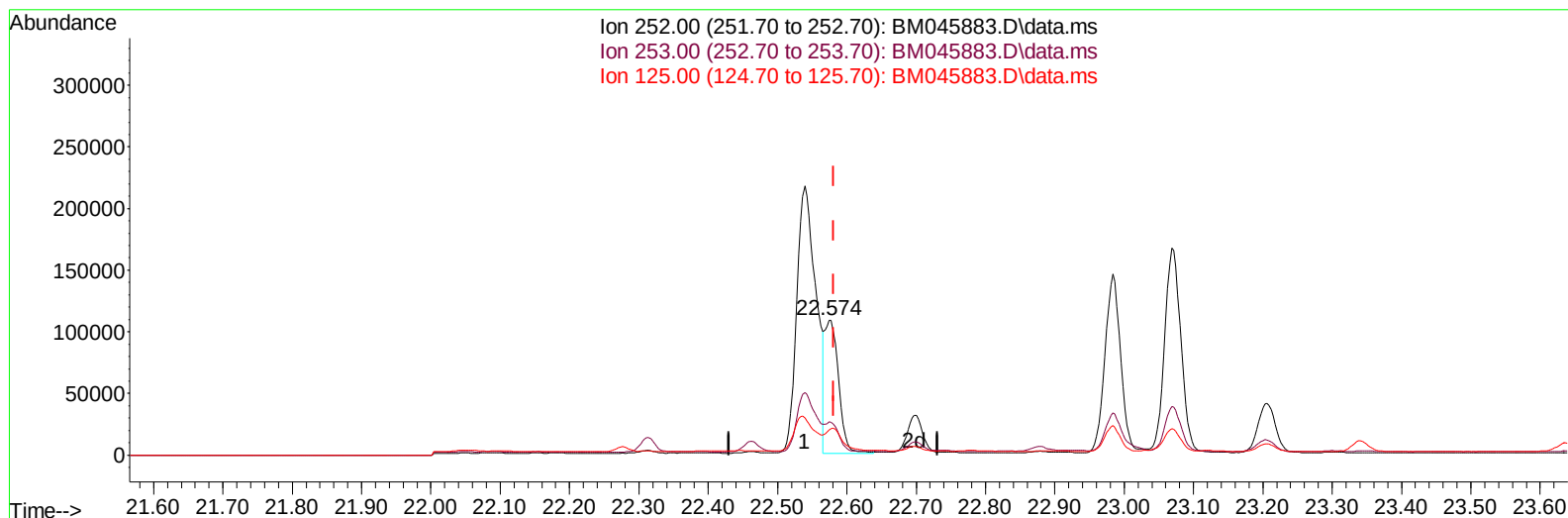
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
Acq On : 07 Jun 2024 15:31
Operator : MA/JU
Sample : P2586-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C28

Manual IntegrationsAPPROVED

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

Quant Time: Jun 07 16:42:33 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: BM045883.D\data.ms

(25) Benzo(k)fluoranthene

22.574min (-0.006) 1.72 ng/u1 m

response 147948

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.67#
125.00	17.70	18.73
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	7.468	152	6649	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136	22539	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.113	164	12404	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.854	188	27193m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.049	240	20634m	0.400	ng/ul	0.00
23) Perylene-d12	23.162	264	23549m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	25581	3.378	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.838	152	7321	0.226	ng/ul	0.00
18) Fluoranthene-d10	18.886	212	15570	0.252	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.287	128	6052	0.103	ng/ul#	95
7) 2-Methylnaphthalene	11.915	142	2348	0.063	ng/ul	98
8) 1-Methylnaphthalene	12.135	142	1802	0.044	ng/ul	99
10) Acenaphthylene	13.831	152	5083	0.090	ng/ul	96
11) Acenaphthene	14.173	153	5763	0.139	ng/ul	99
12) Fluorene	15.168	166	6530	0.141	ng/ul	96
14) Pentachlorophenol	16.537	266	131	0.026	ng/ul	97
15) Phenanthrene	16.896	178	182656m	2.392	ng/ul	
16) Anthracene	16.985	178	37813m	0.581	ng/ul	
19) Fluoranthene	18.918	202	468610	5.695	ng/ul	97
20) Pyrene	19.281	202	378528	4.410	ng/ul	98
21) Benzo(a)anthracene	21.032	228	276325	3.648	ng/ul	99
22) Chrysene	21.087	228	271445	3.292	ng/ul	98
24) Benzo(b)fluoranthene	22.539	252	422615m	5.411	ng/ul	
25) Benzo(k)fluoranthene	22.574	252	147948m	1.724	ng/ul	
26) Benzo(a)pyrene	23.068	252	273113	3.516	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.232	276	213366	2.124	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.232	278	60062	0.748	ng/ul	95
29) Benzo(g,h,i)perylene	25.862	276	225061	2.598	ng/ul	95

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

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