

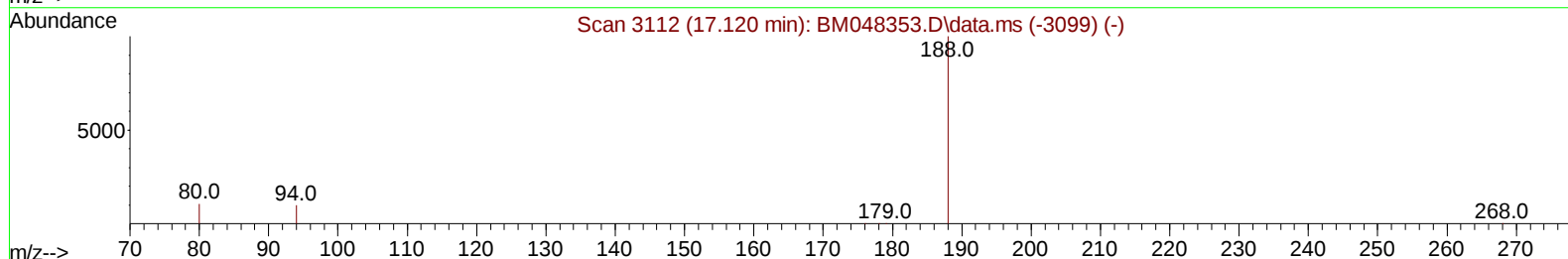
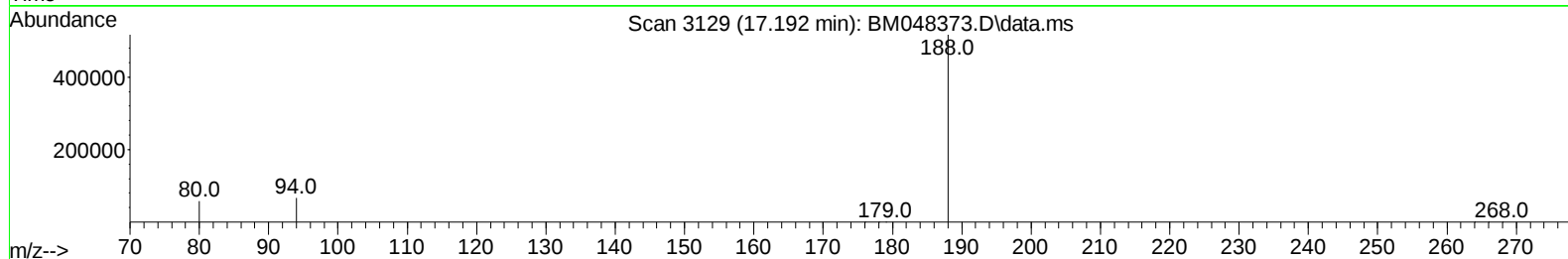
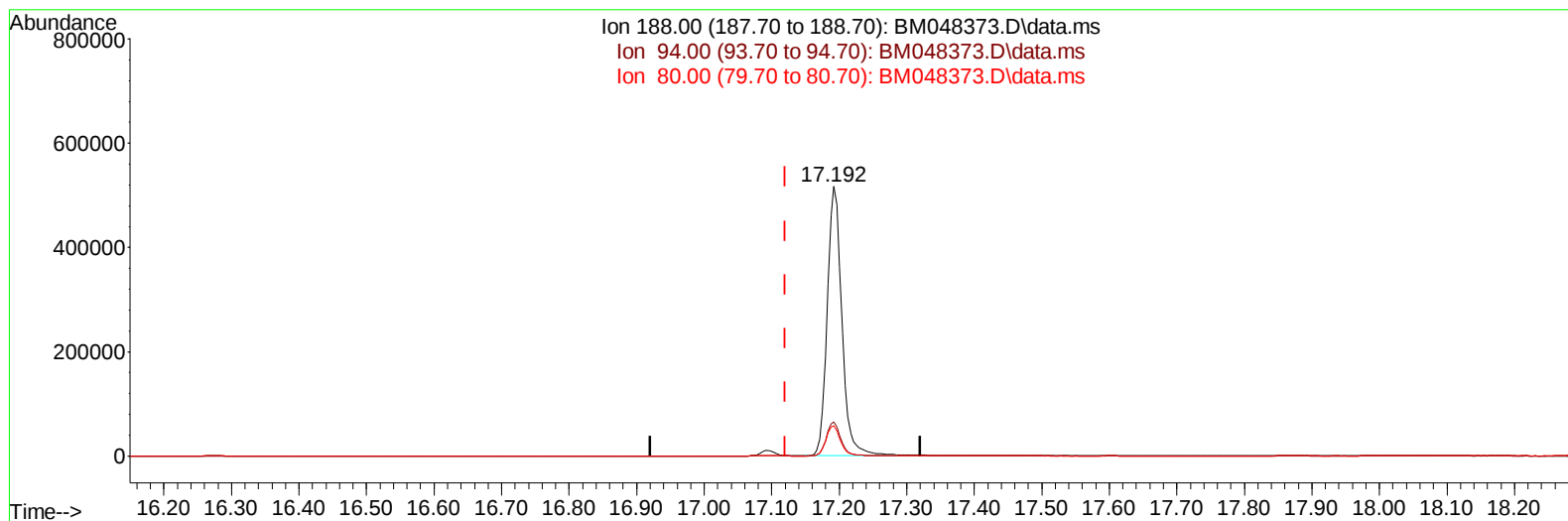
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(13) Phenanthrene-d10 (I)

17.192min (+ 0.072) 0.40 ng/u1

response 783505

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	12.75
80.00	12.10	11.14
0.00	0.00	0.00

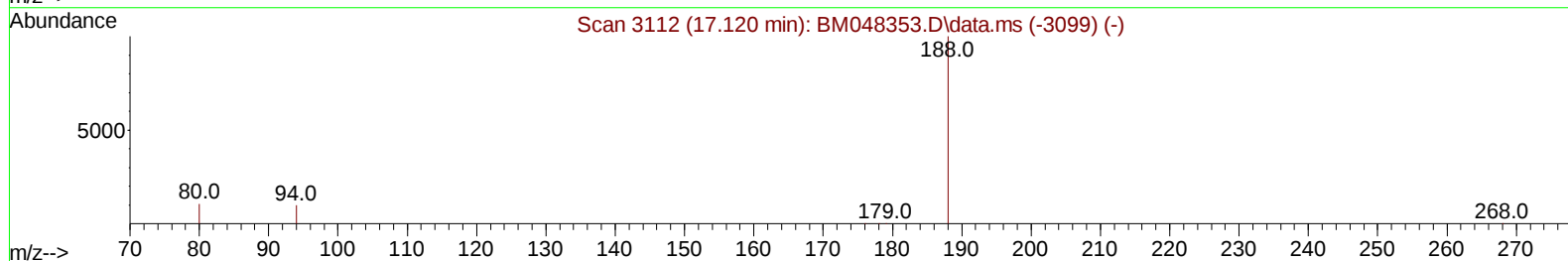
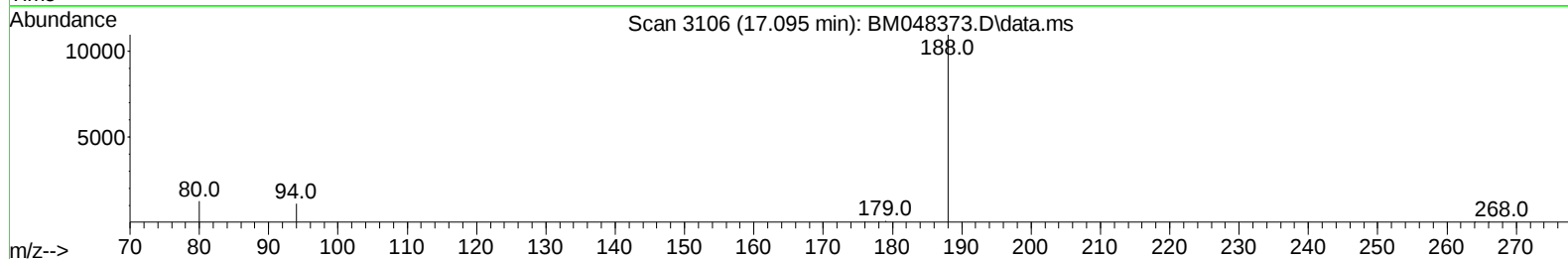
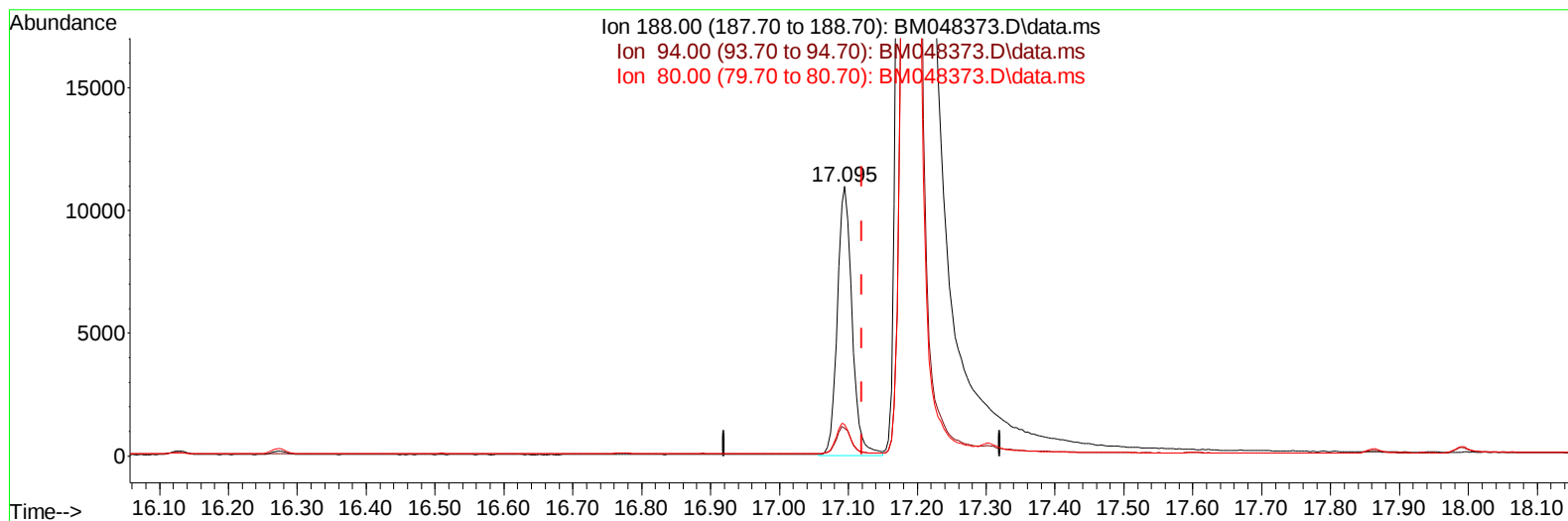
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(13) Phenanthrene-d10 (I)

17.095min (-0.025) 0.40 ng/ul m

response 16235

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	10.29
80.00	12.10	11.68
0.00	0.00	0.00

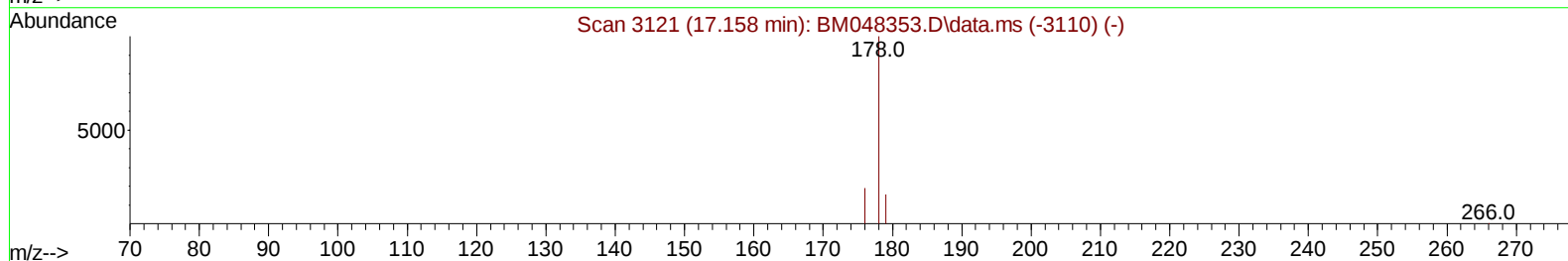
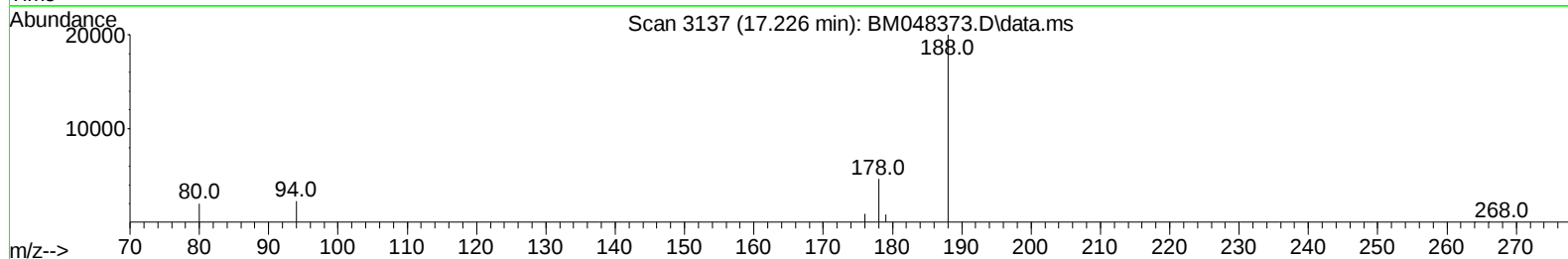
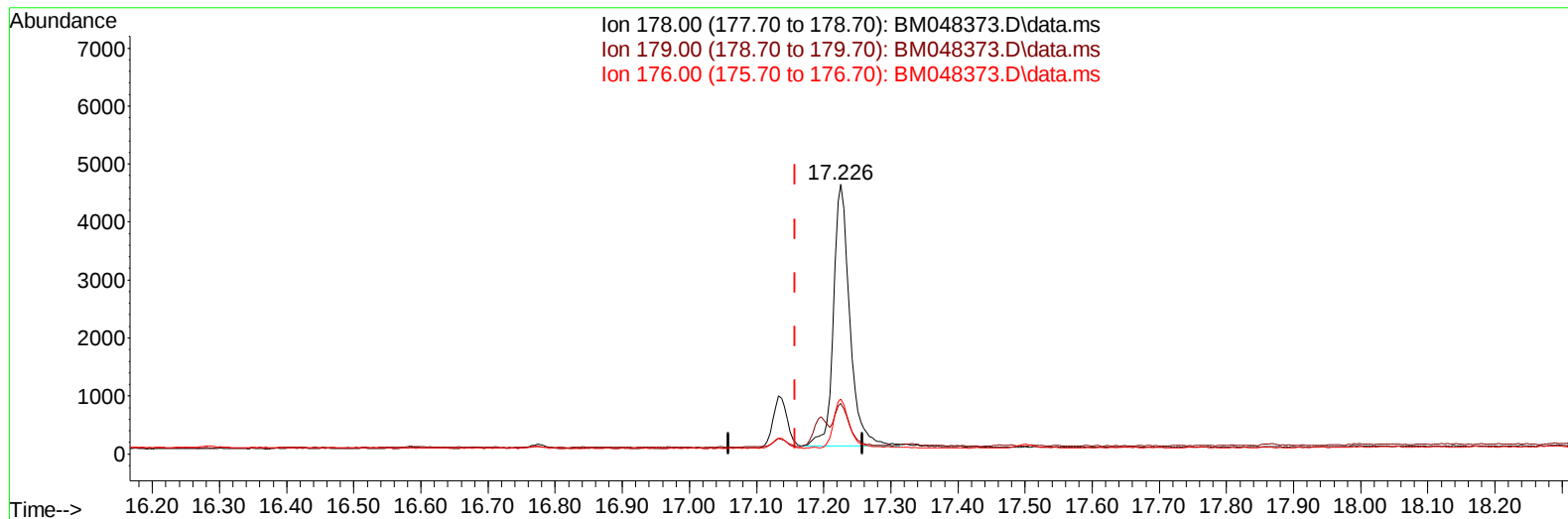
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(15) Phenanthrene

17.226min (+ 0.068) 0.19 ng/u1

response 7611

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	18.87
176.00	20.00	20.31
0.00	0.00	0.00

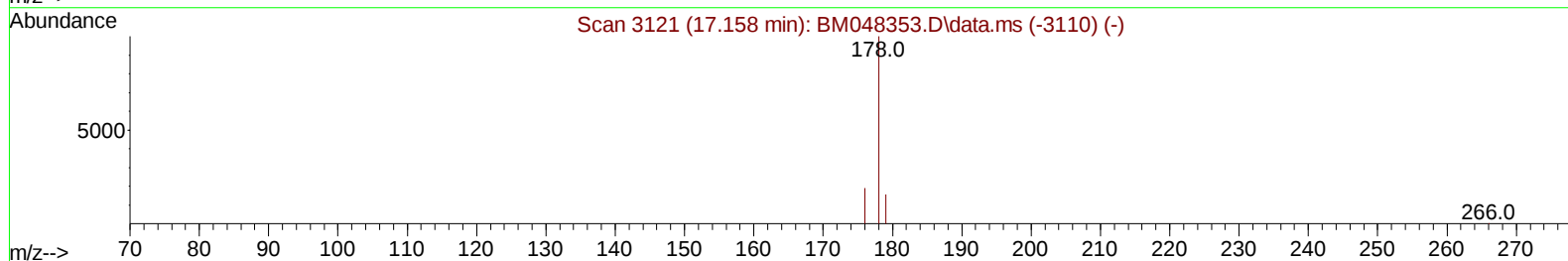
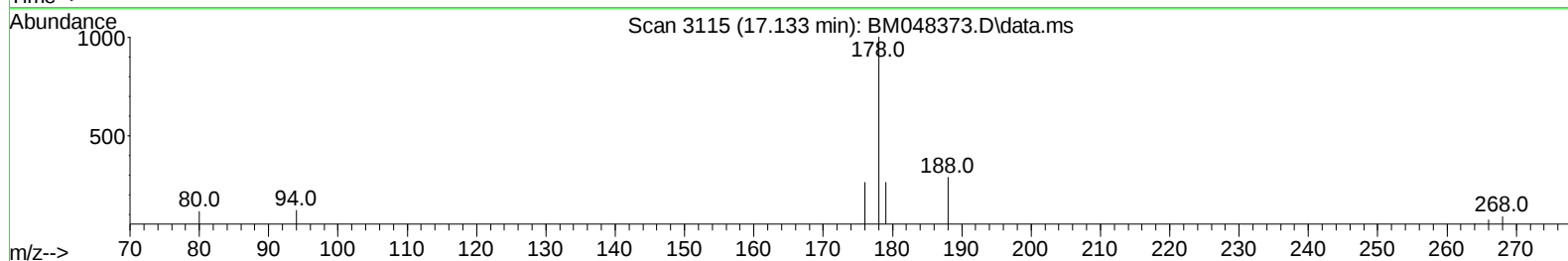
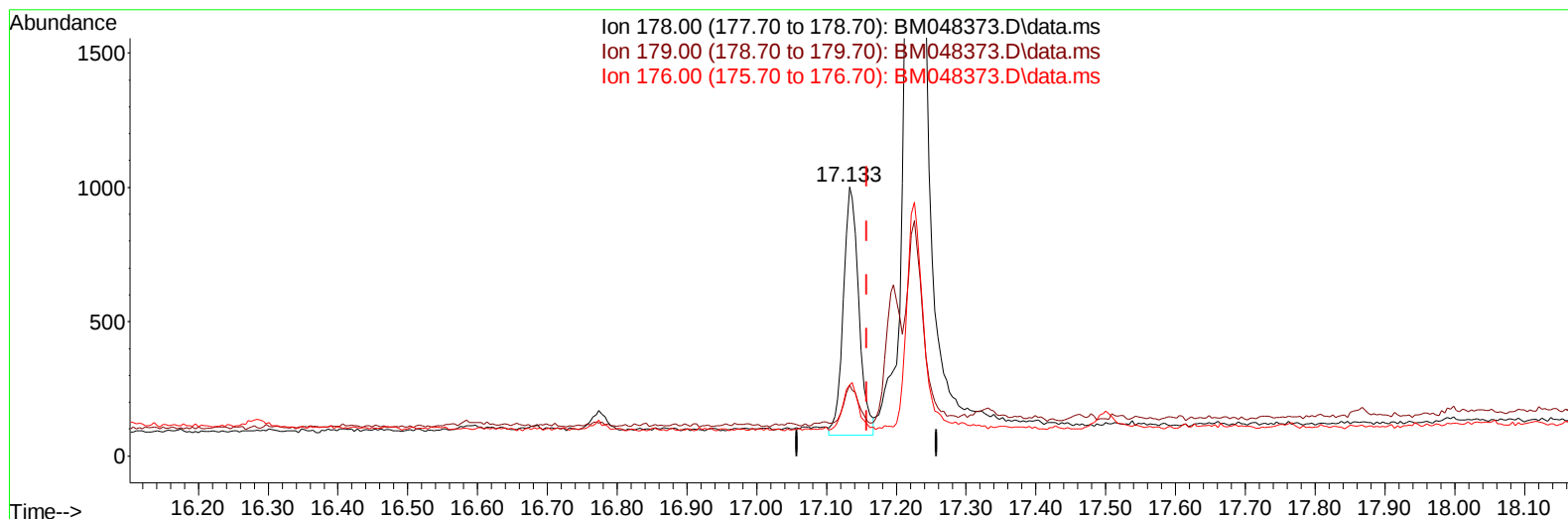
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(15) Phenanthrene

17.133min (-0.025) 0.04 ng/u1 m

response 1419

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	26.32#
176.00	20.00	26.42#
0.00	0.00	0.00

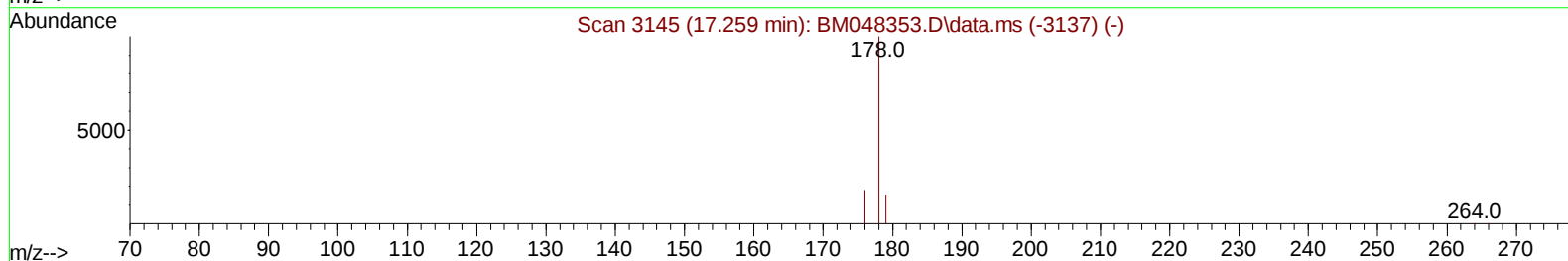
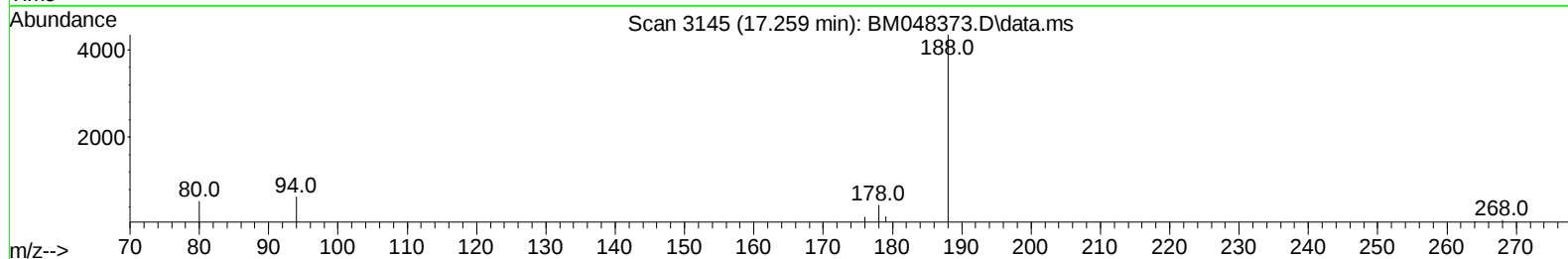
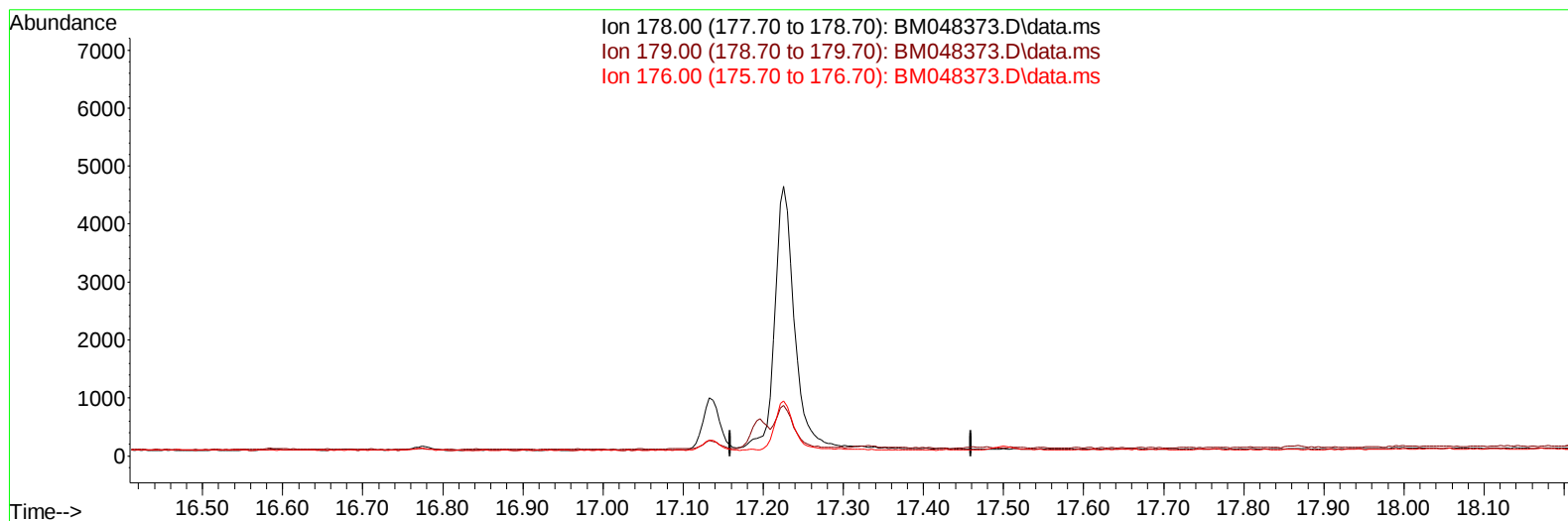
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(16) Anthracene

17.259min (-17.259) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	17.70	0.00#
176.00	19.70	0.00#
0.00	0.00	0.00

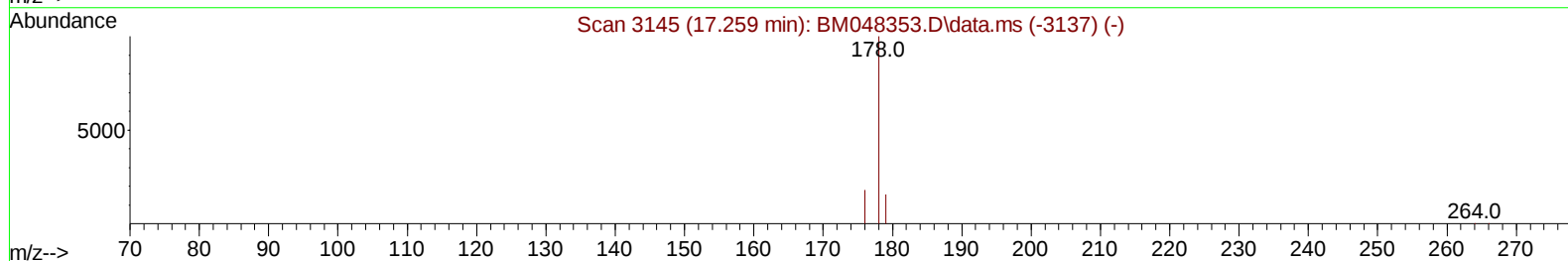
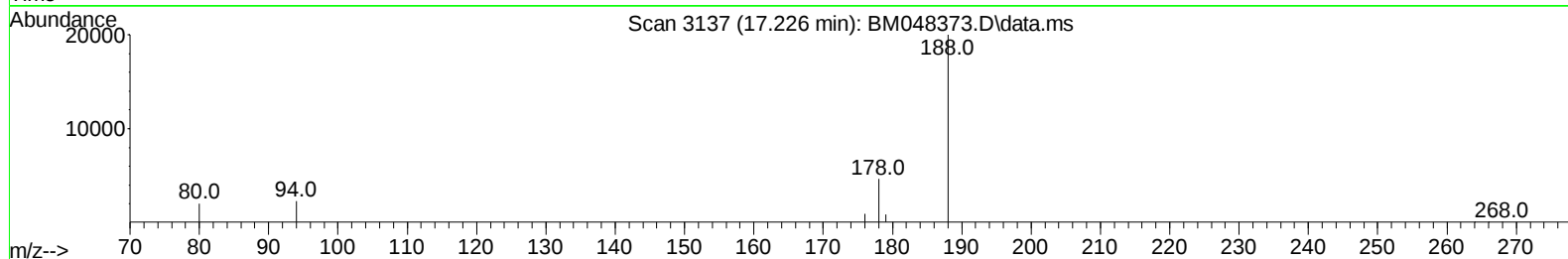
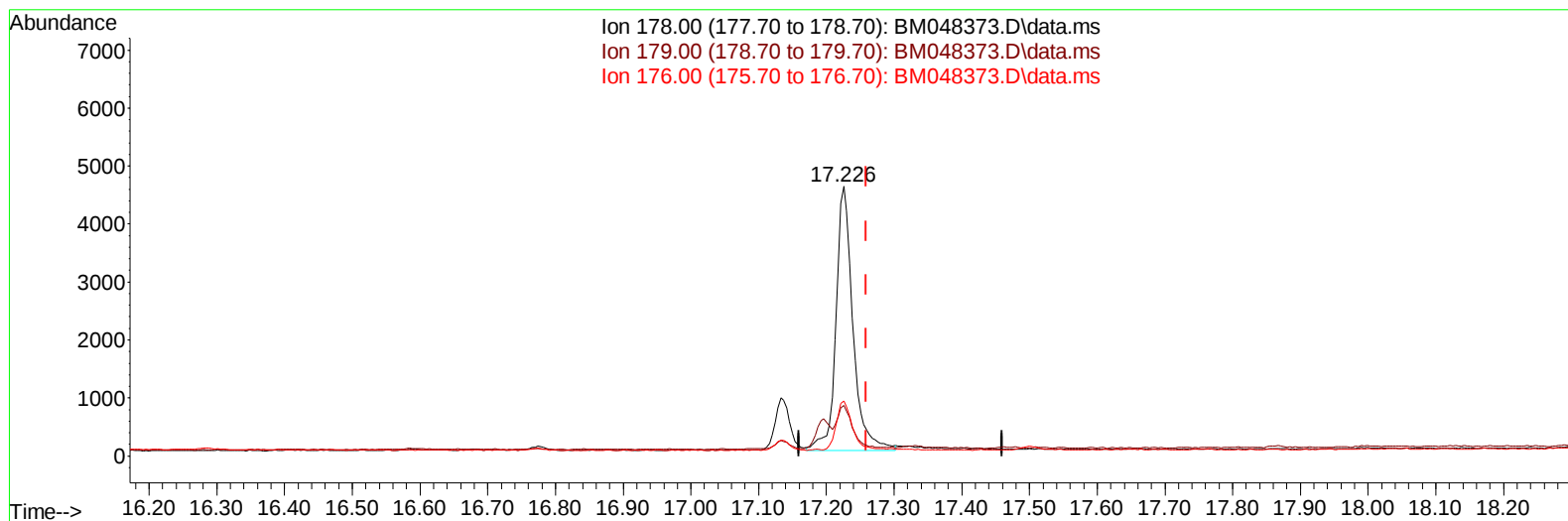
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(16) Anthracene

17.226min (-0.034) 0.21 ng/u1 m

response 7943

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	18.87
176.00	19.70	20.31
0.00	0.00	0.00

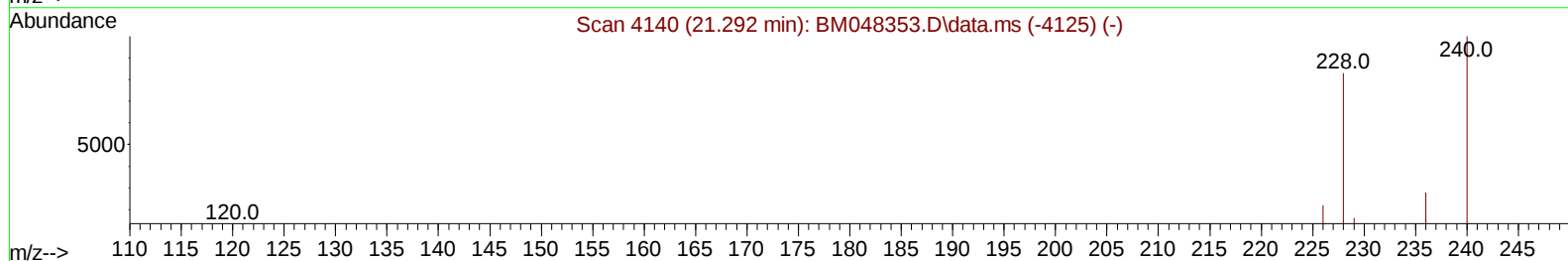
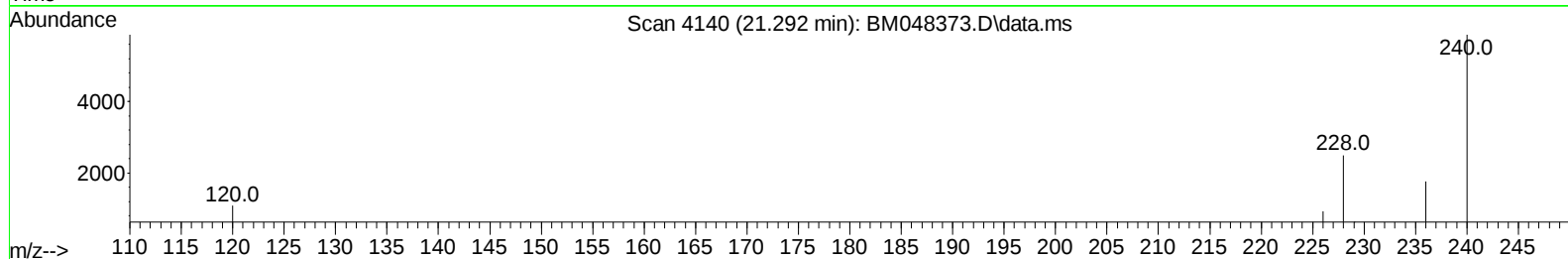
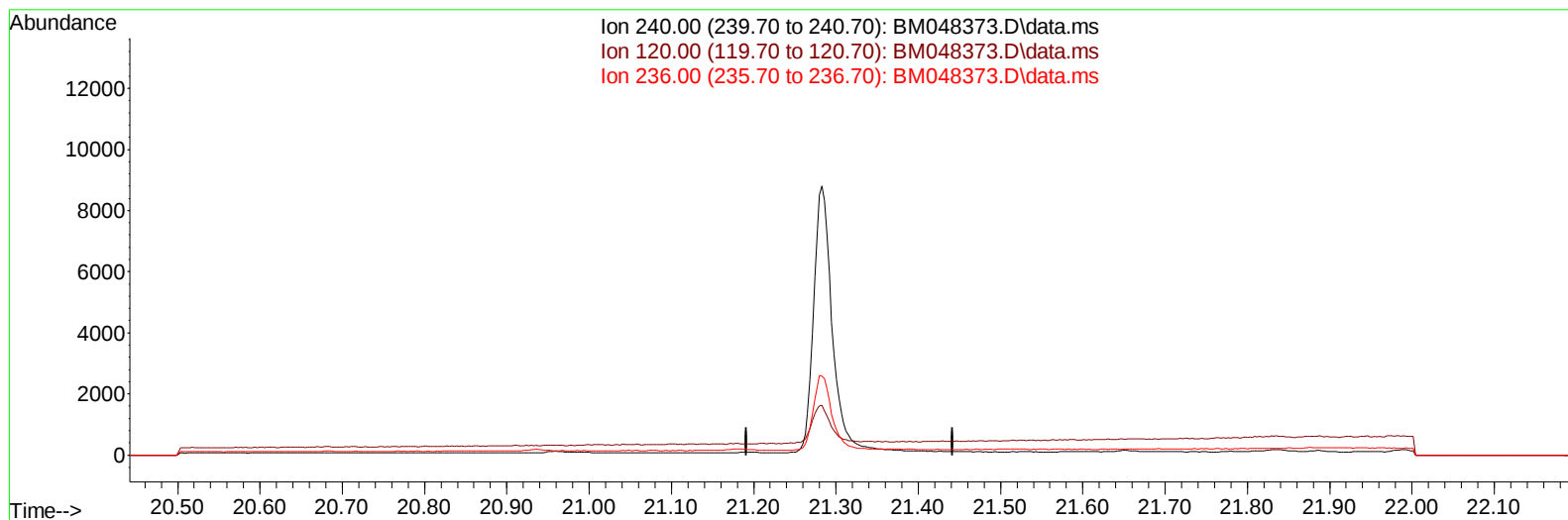
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(17) Chrysene-d12

21.292min (-21.292) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	19.00	0.00#
236.00	29.90	0.00#
0.00	0.00	0.00

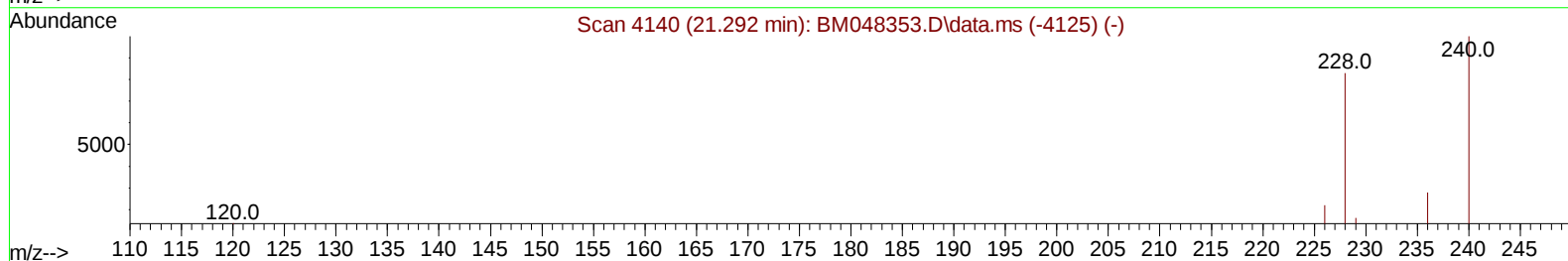
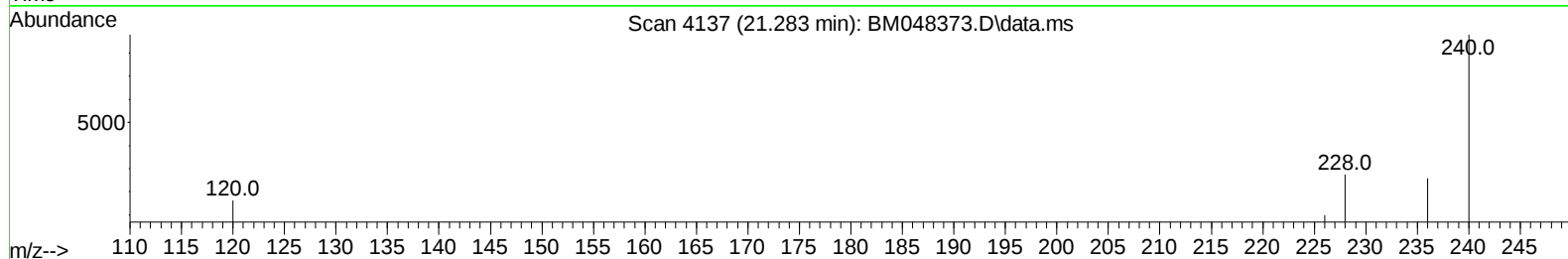
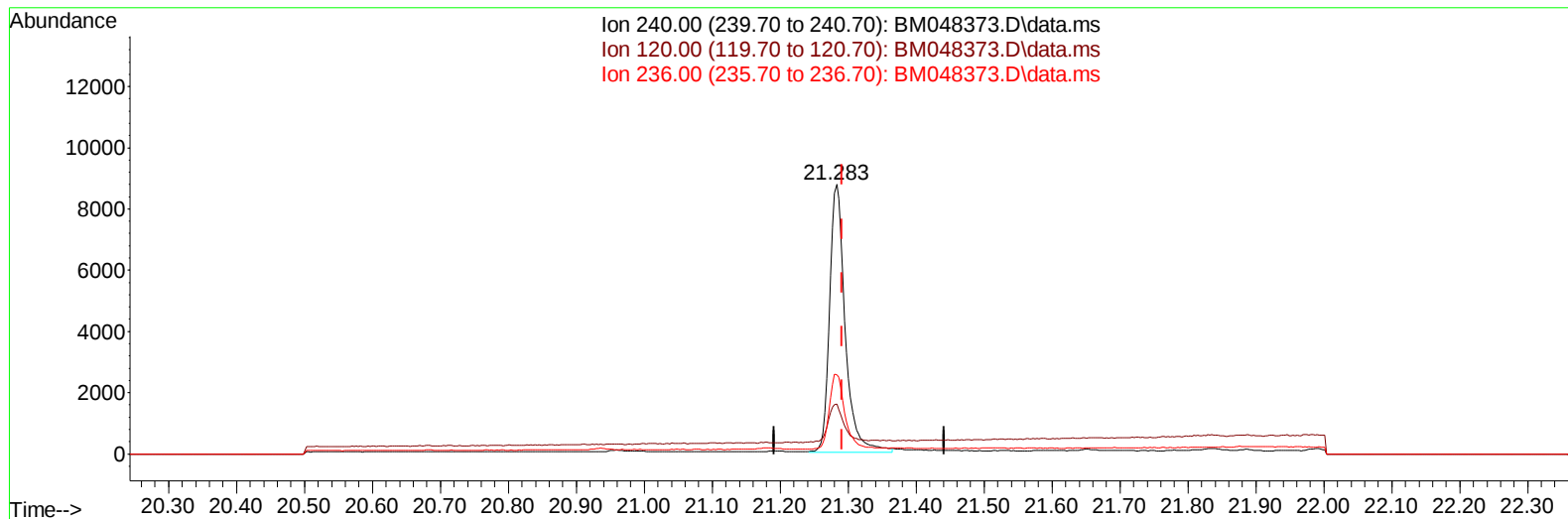
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(17) Chrysene-d12

21.283min (-0.009) 0.40 ng/u1 m

response 13999

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.00	18.47
236.00	29.90	29.32
0.00	0.00	0.00

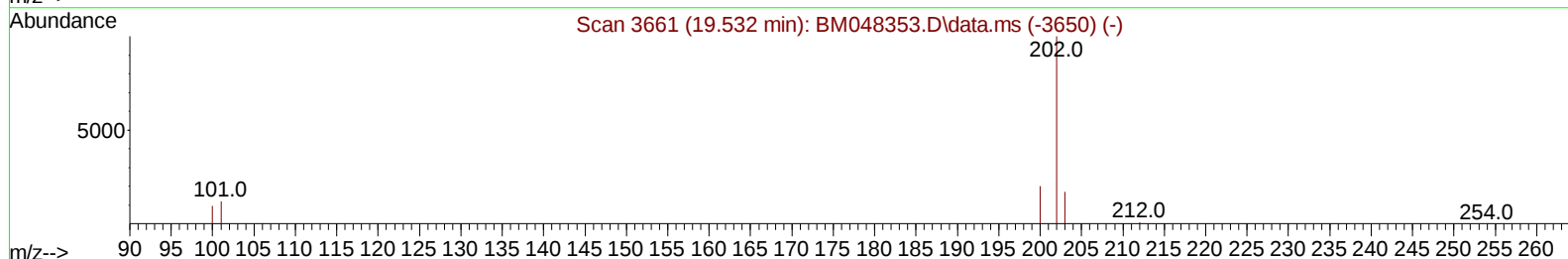
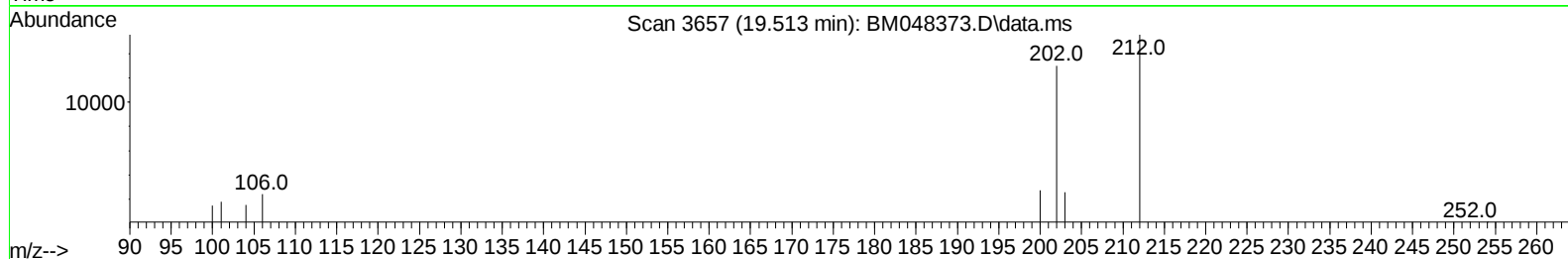
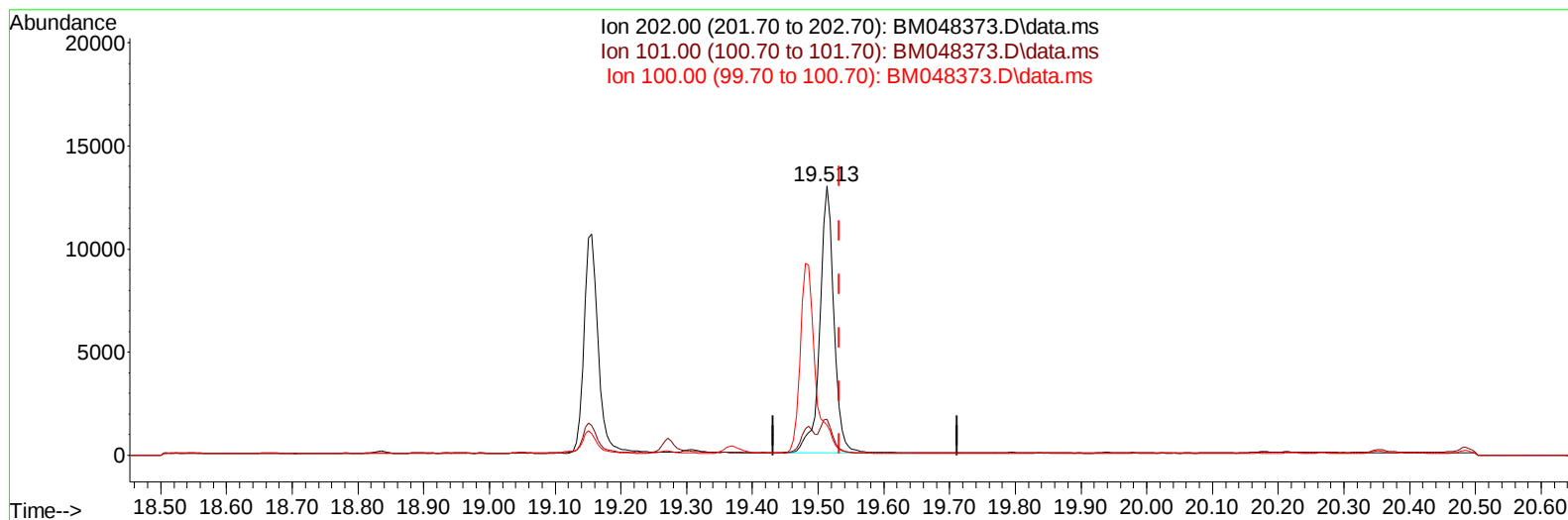
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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TIC: BM048373.D\data.ms

(20) Pyrene

19.513min (-0.019) 0.37 ng/u1

response 19384

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.50	13.36
100.00	10.00	11.26
0.00	0.00	0.00

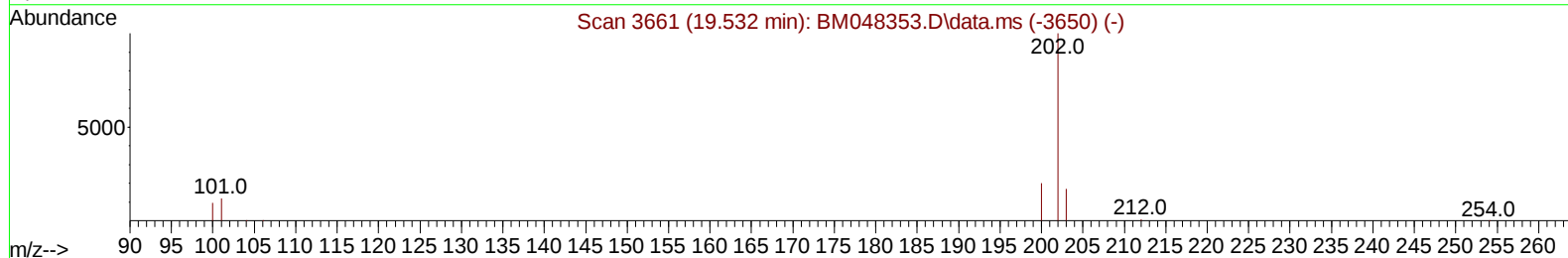
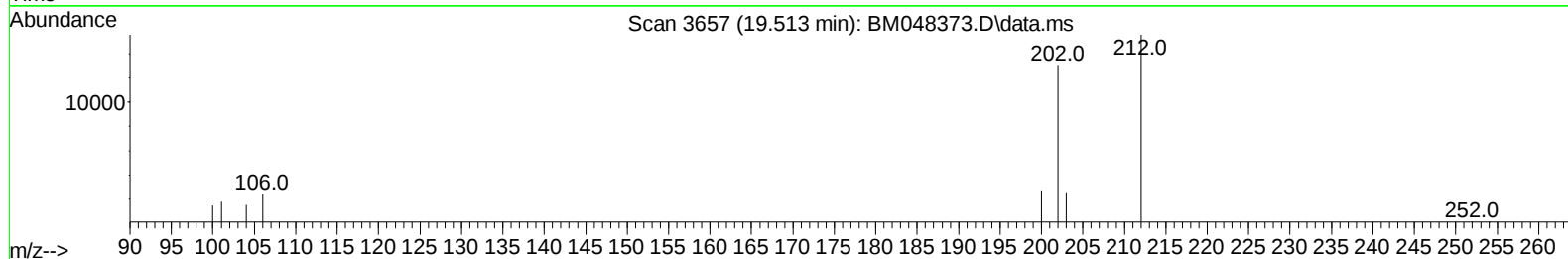
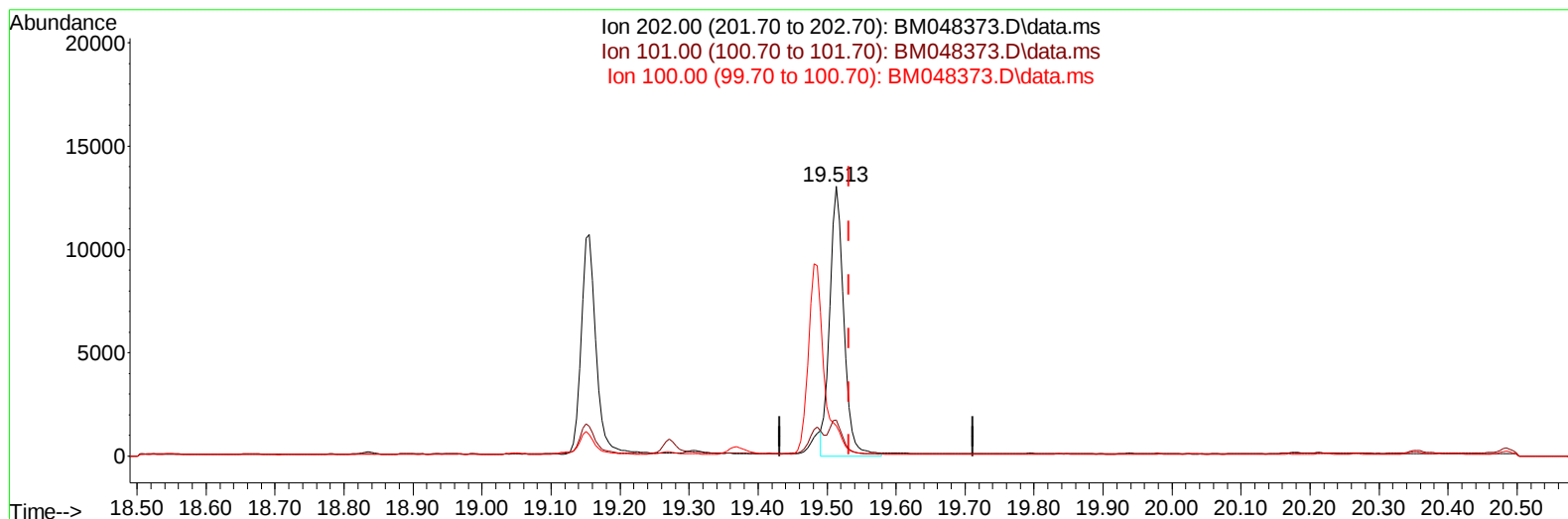
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(20) Pyrene

19.513min (-0.019) 0.36 ng/u1 m

response 18743

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.50	13.36
100.00	10.00	11.26
0.00	0.00	0.00

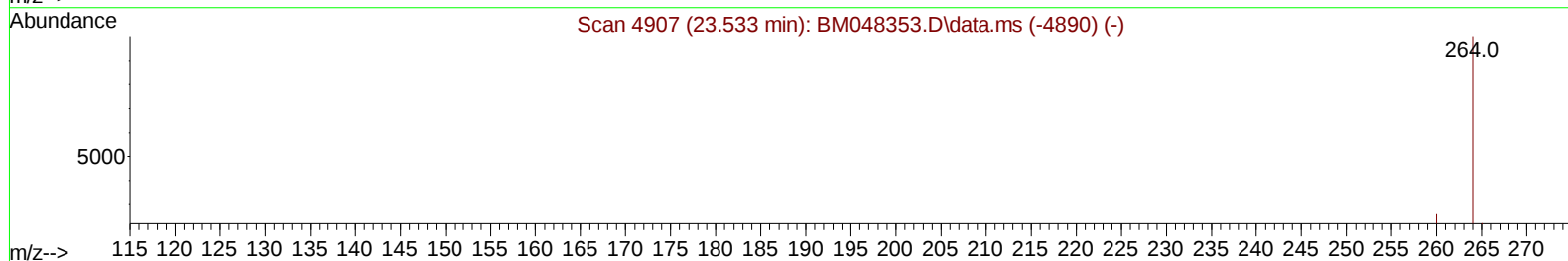
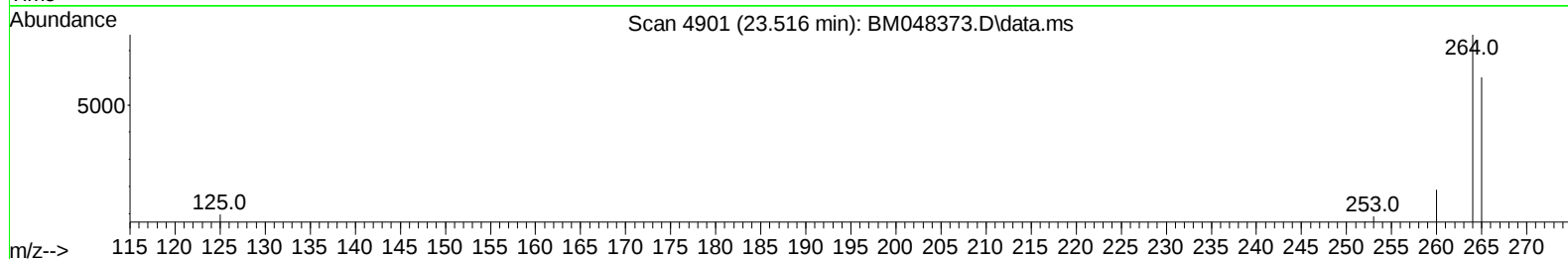
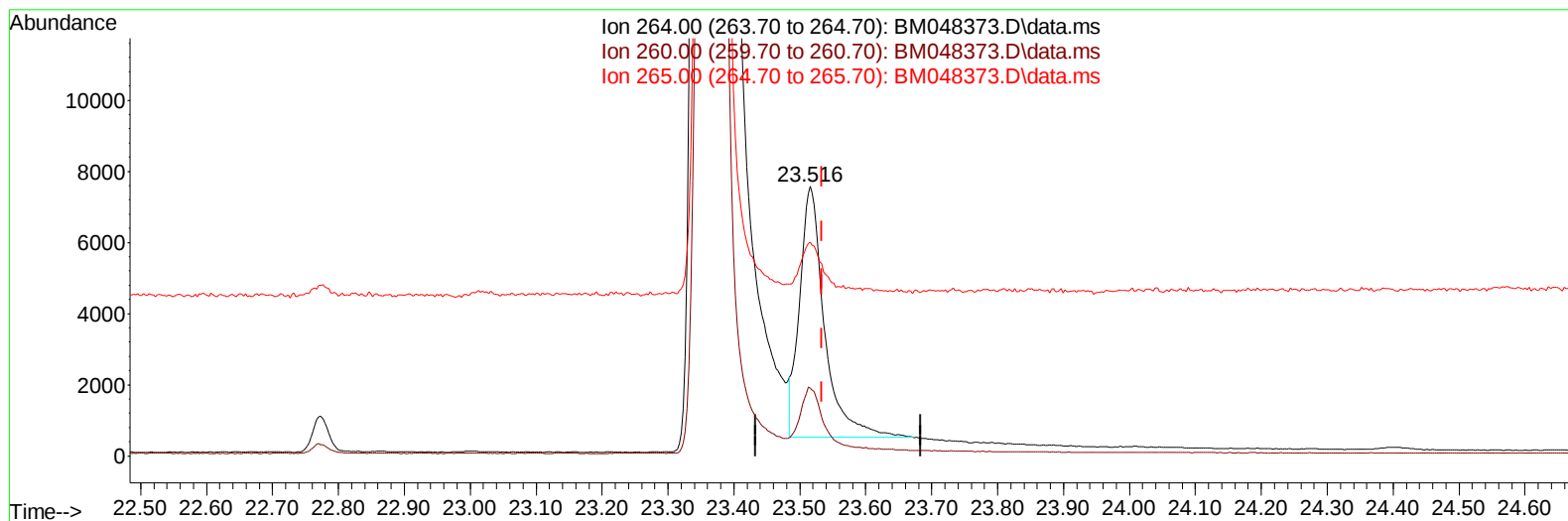
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM048373.D\data.ms

(23) Perylene-d12 (I)

23.516min (-0.018) 0.40 ng/u1

response 18435

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	25.12
265.00	120.80	79.37#
0.00	0.00	0.00

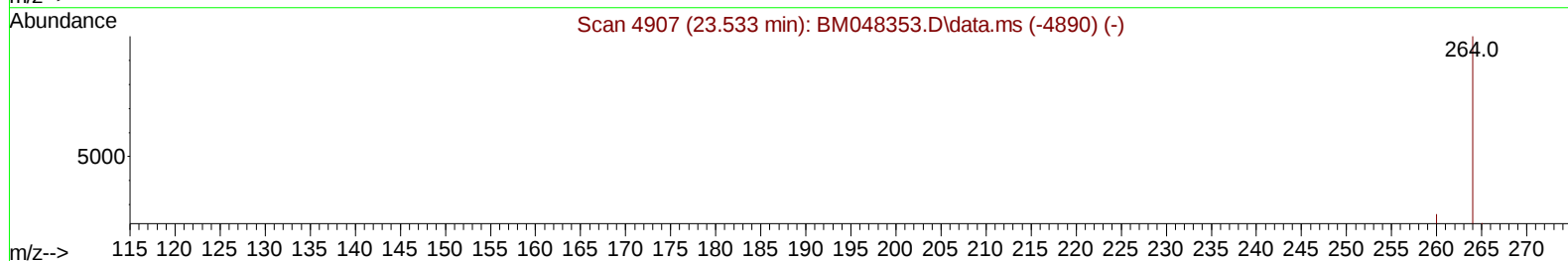
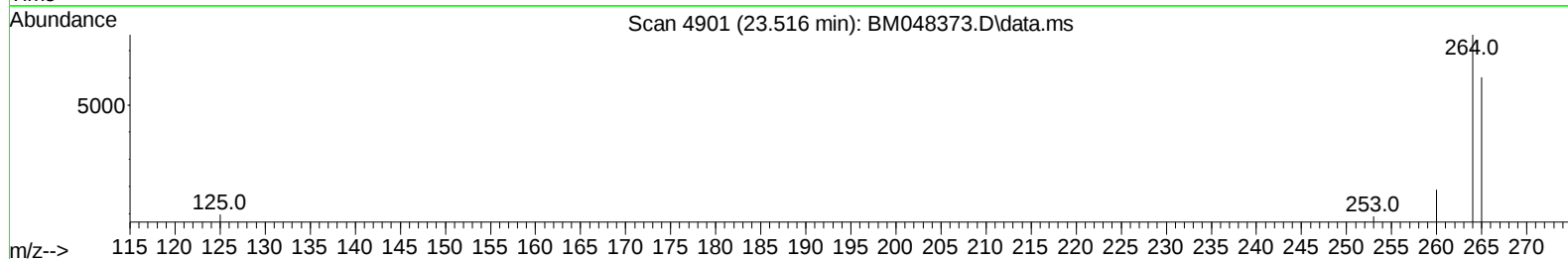
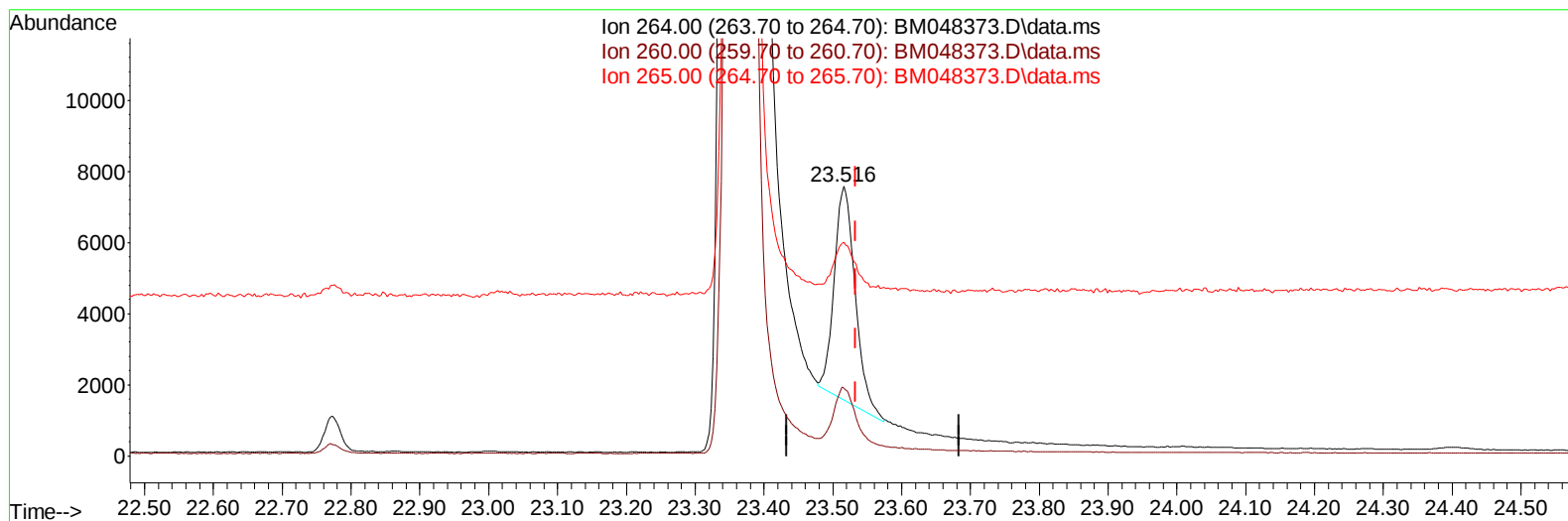
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

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TIC: BM048373.D\data.ms

(23) Perylene-d12 (I)

23.516min (-0.018) 0.40 ng/ul m

response 12623

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	25.12
265.00	120.80	79.37#
0.00	0.00	0.00

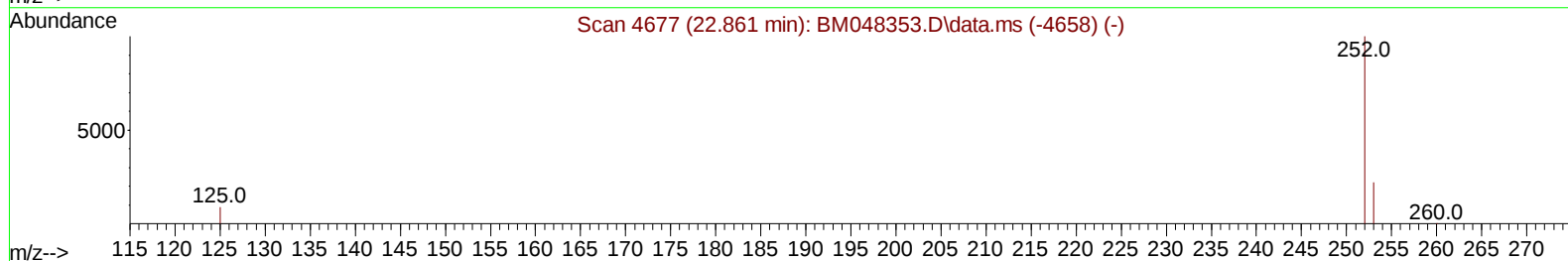
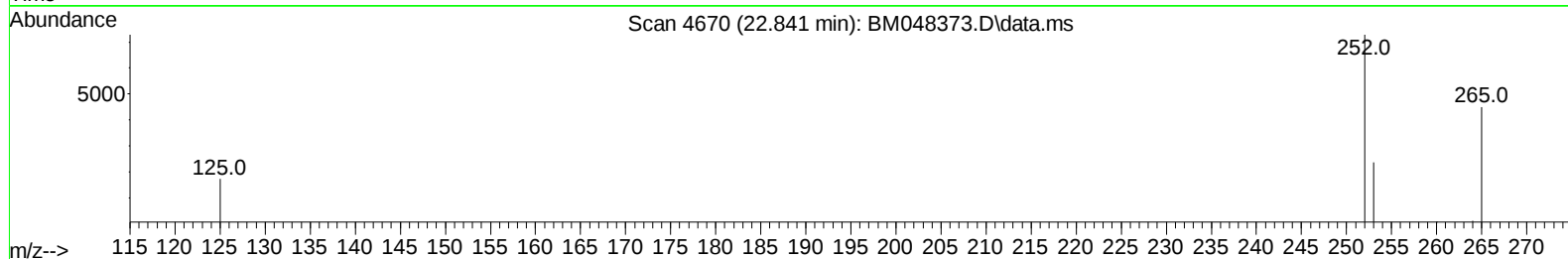
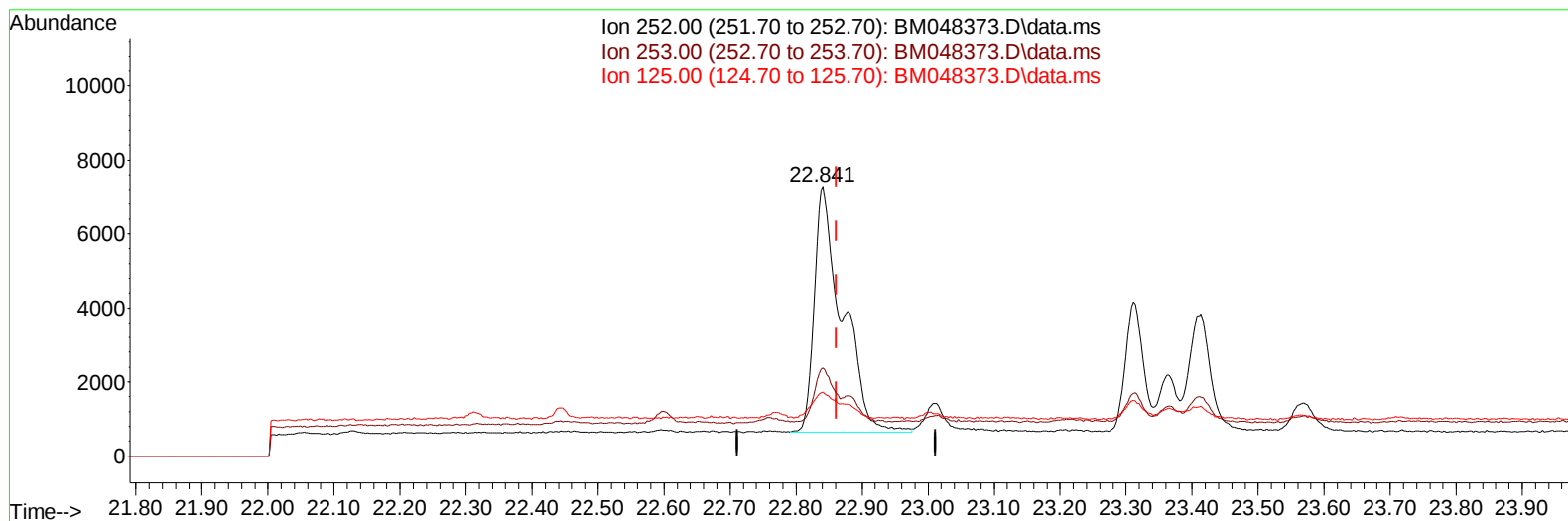
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
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TIC: BM048373.D\data.ms

(24) Benzo(b)fluoranthene

22.841min (-0.020) 0.46 ng/u1

response 19717

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	32.56
125.00	19.00	23.73
0.00	0.00	0.00

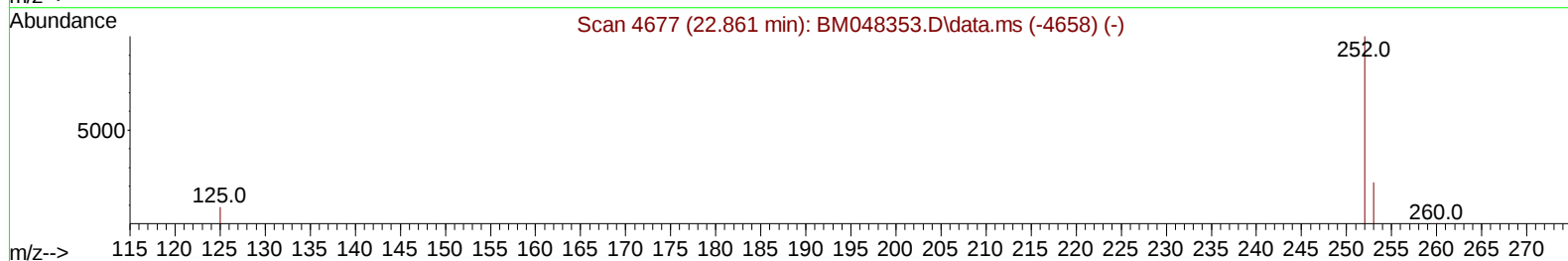
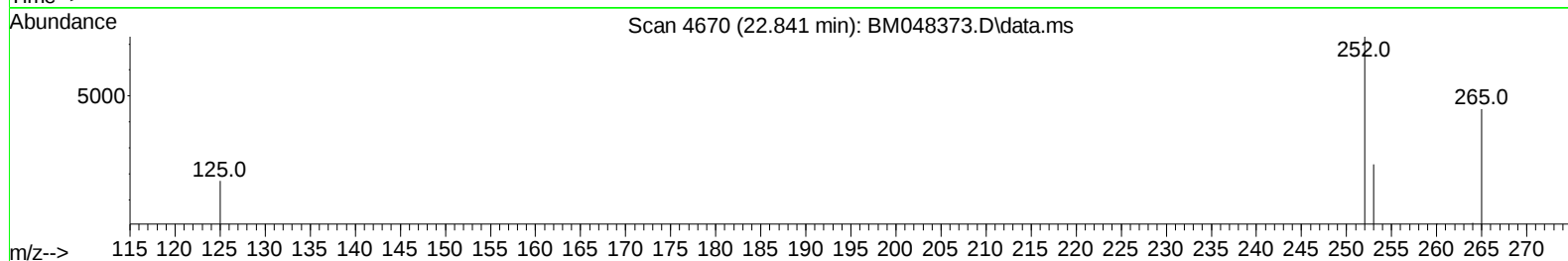
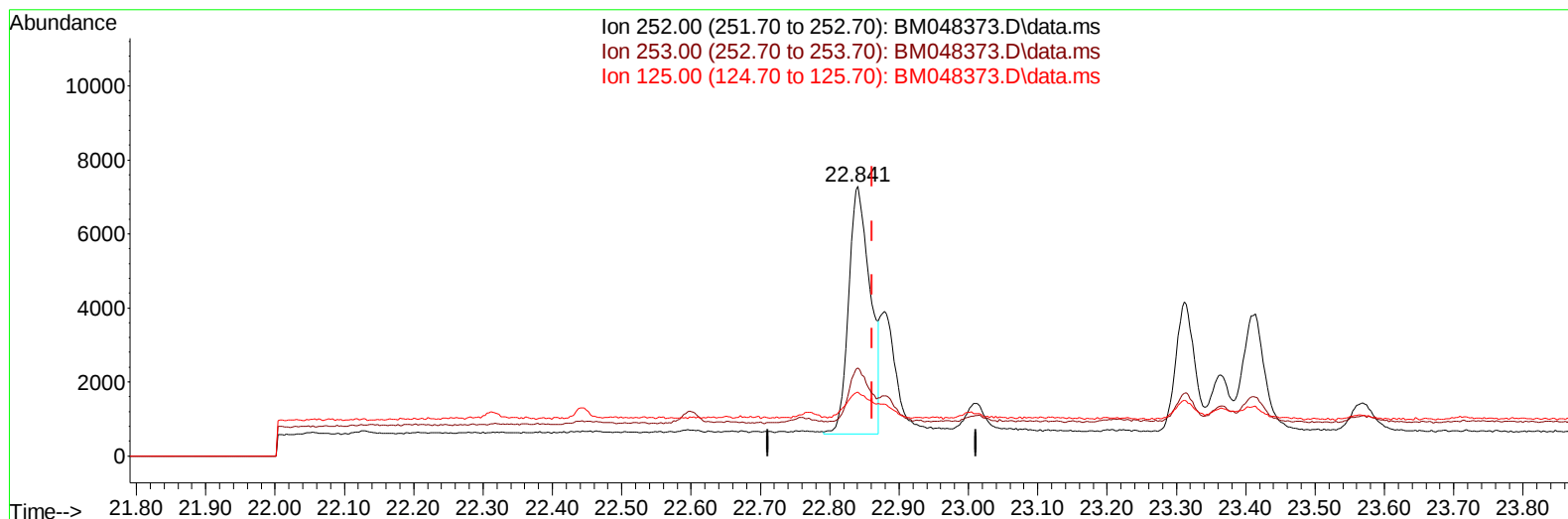
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048373.D\data.ms

(24) Benzo(b)fluoranthene

22.841min (-0.020) 0.33 ng/u1 m

response 14412

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	32.56
125.00	19.00	23.73
0.00	0.00	0.00

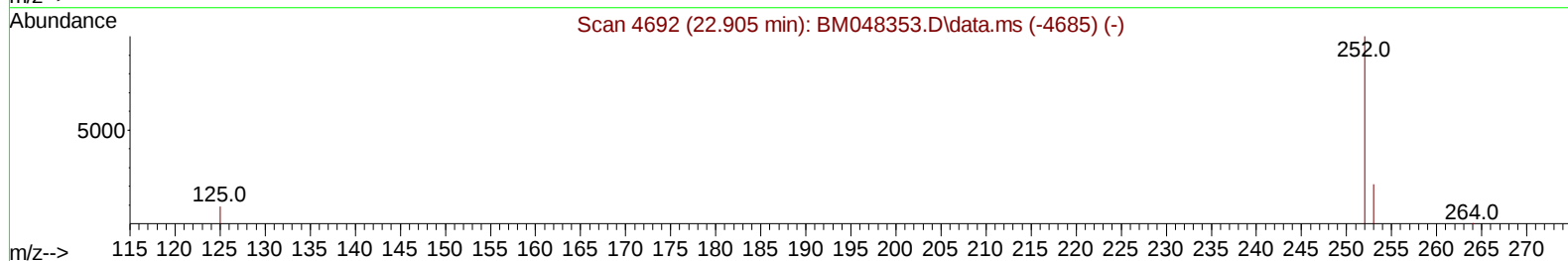
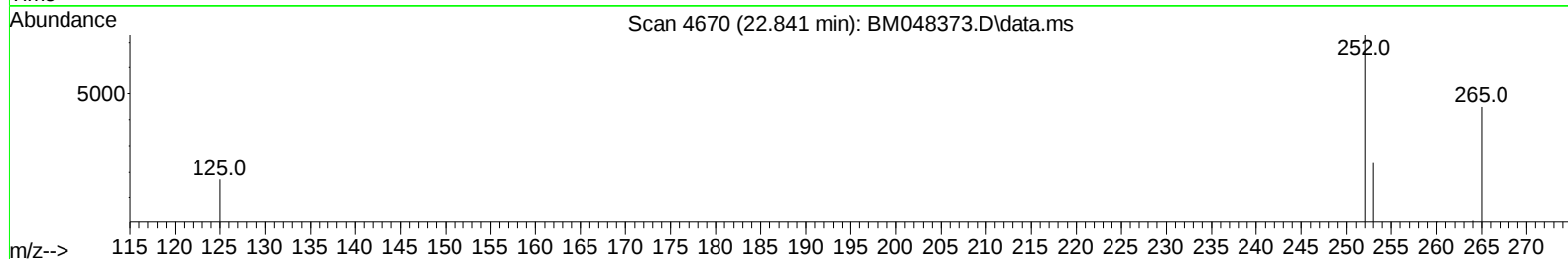
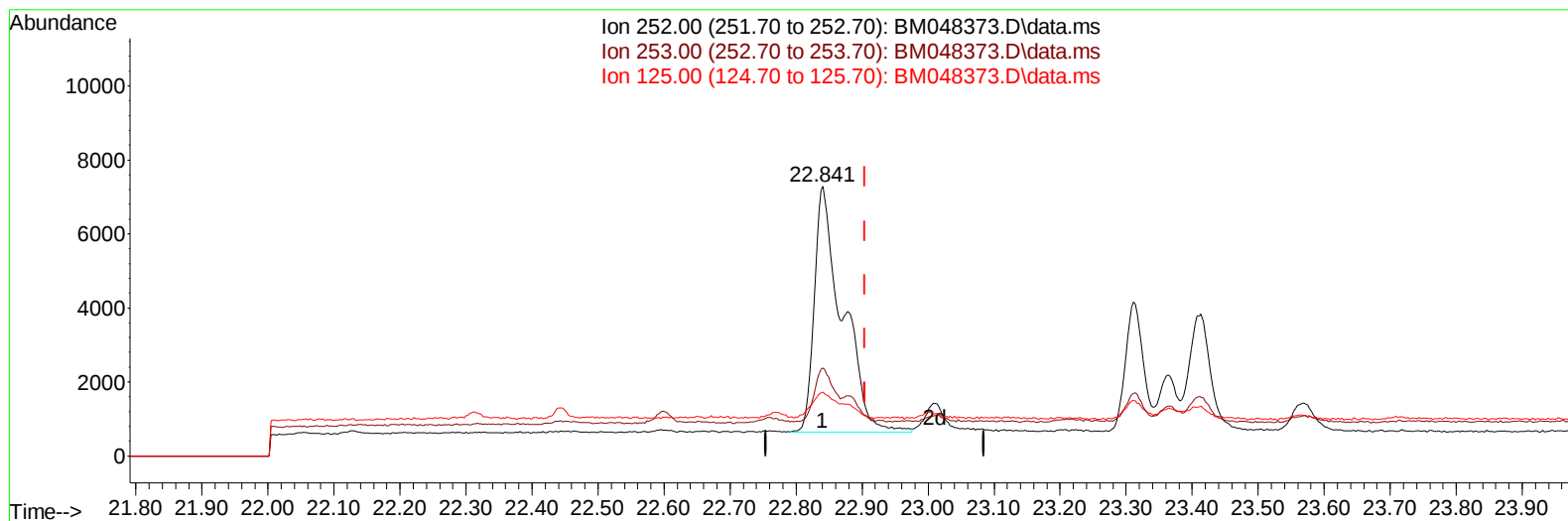
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

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TIC: BM048373.D\data.ms

(25) Benzo(k)fluoranthene

22.841min (-0.064) 0.39 ng/u1

response 19717

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	32.56
125.00	19.10	23.73#
0.00	0.00	0.00

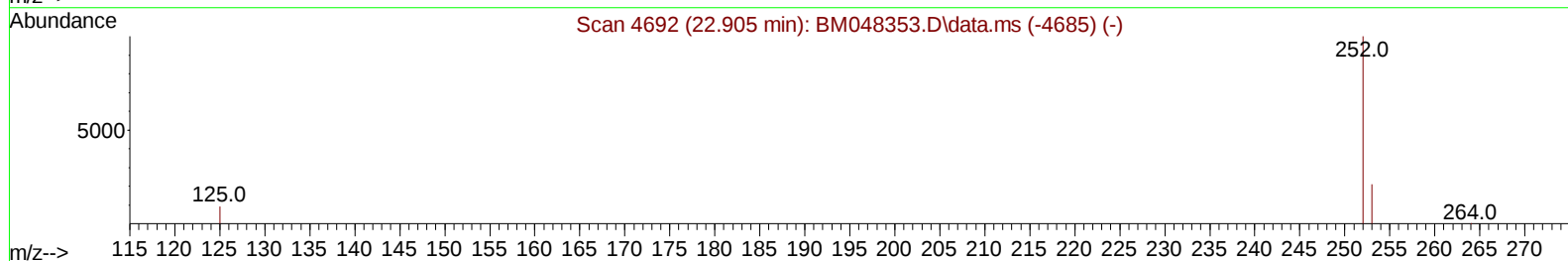
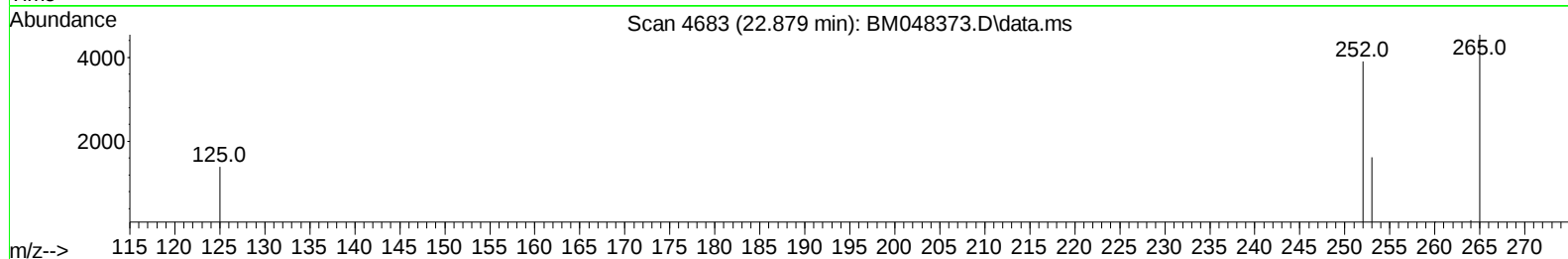
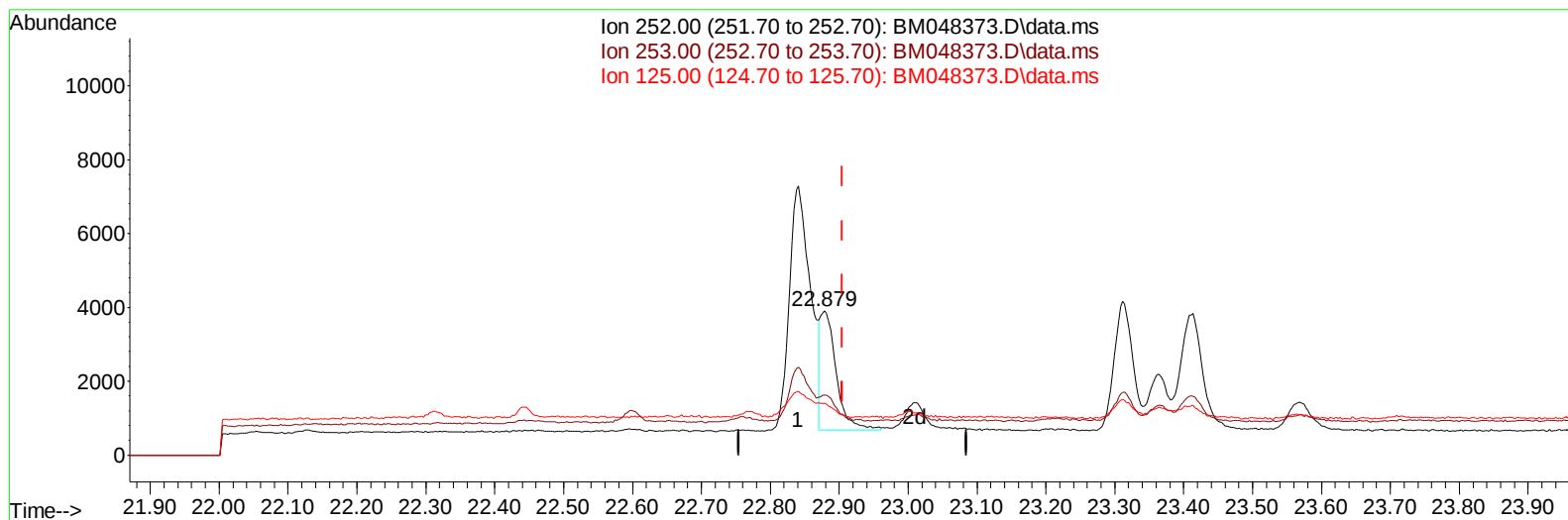
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048373.D
Acq On : 01 Nov 2024 01:04
Operator : RC/JU
Sample : P4530-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H40

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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TIC: BM048373.D\data.ms

(25) Benzo(k)fluoranthene

22.879min (-0.026) 0.10 ng/u1 m

response 5177

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	41.50#
125.00	19.10	35.86#
0.00	0.00	0.00

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 Data File : BM048373.D
 Acq On : 01 Nov 2024 01:04
 Operator : RC/JU
 Sample : P4530-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7H40

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 31 14:58:12 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.712	152		4476	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.497	136		14393	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.349	164		7823	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.095	188		16235m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.283	240		13999m	0.400	ng/ul	0.00
23) Perylene-d12	23.516	264		12623m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.164	96		19763	3.595	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.119	152		4533	0.248	ng/ul	-0.02
18) Fluoranthene-d10	19.123	212		10328	0.291	ng/ul	-0.01
Target Compounds							
							Qvalue
10) Acenaphthylene	14.072	152		975	0.032	ng/ul#	73
15) Phenanthrene	17.133	178		1419m	0.035	ng/ul	
16) Anthracene	17.226	178		7943m	0.210	ng/ul	
19) Fluoranthene	19.155	202		16105	0.334	ng/ul#	95
20) Pyrene	19.513	202		18743m	0.362	ng/ul	
21) Benzo(a)anthracene	21.268	228		8783	0.209	ng/ul	94
22) Chrysene	21.318	228		9146	0.158	ng/ul	96
24) Benzo(b)fluoranthene	22.841	252		14412m	0.334	ng/ul	
25) Benzo(k)fluoranthene	22.879	252		5177m	0.101	ng/ul	
26) Benzo(a)pyrene	23.414	252		6699	0.165	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.809	276		5298	0.094	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.816	278		1392	0.032	ng/ul#	1
29) Benzo(g,h,i)perylene	26.500	276		5046	0.106	ng/ul#	90

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

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