

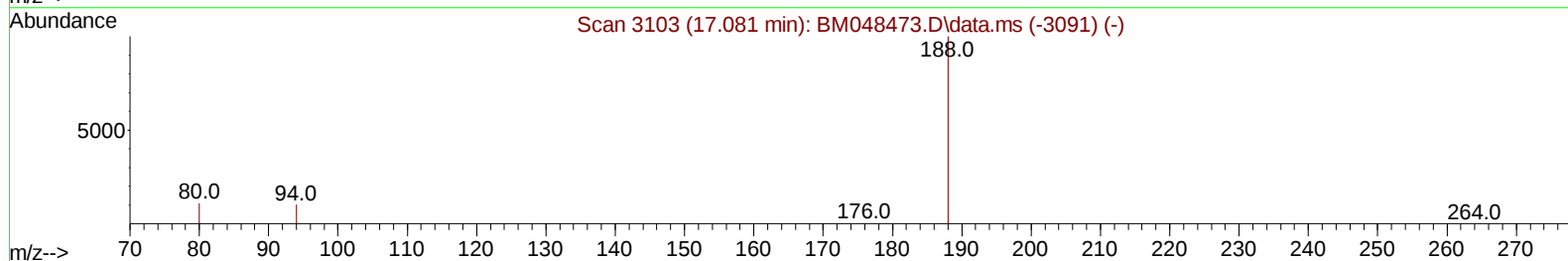
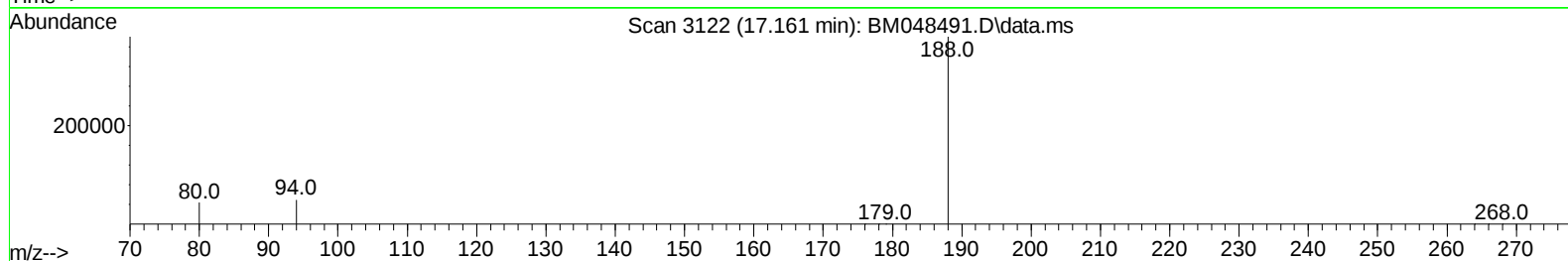
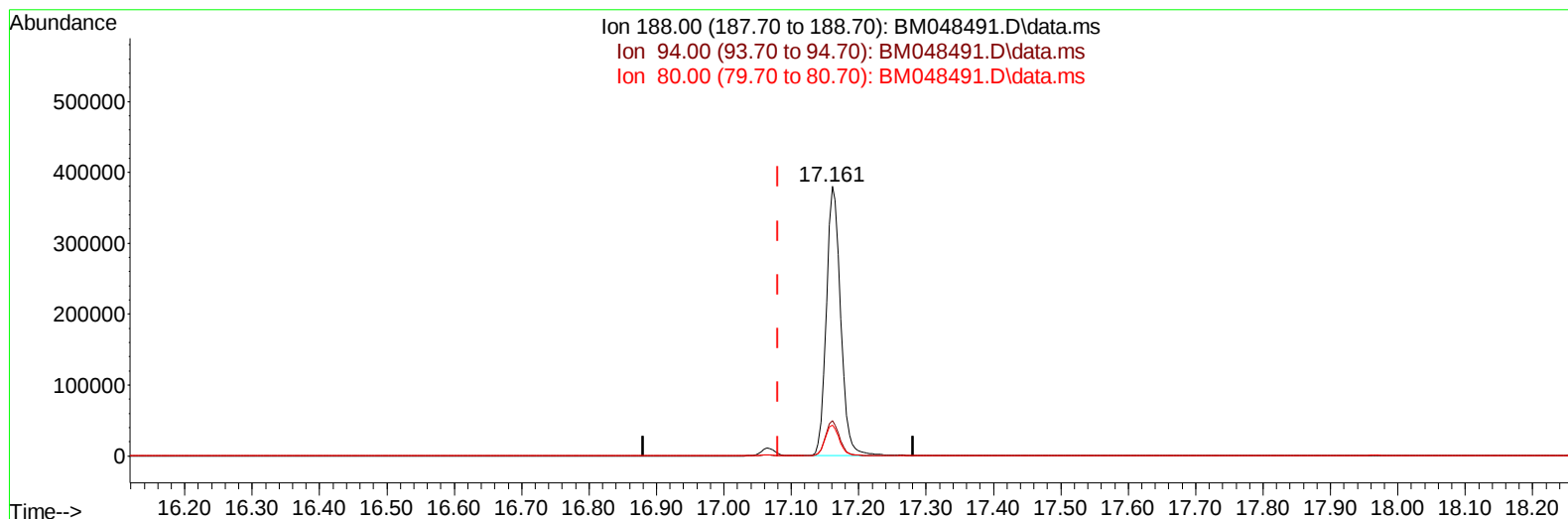
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BM048491.D\data.ms

(13) Phenanthrene-d10 (I)

17.161min (+ 0.080) 0.40 ng/u1

response 559984

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.00	13.04
80.00	12.60	11.48
0.00	0.00	0.00

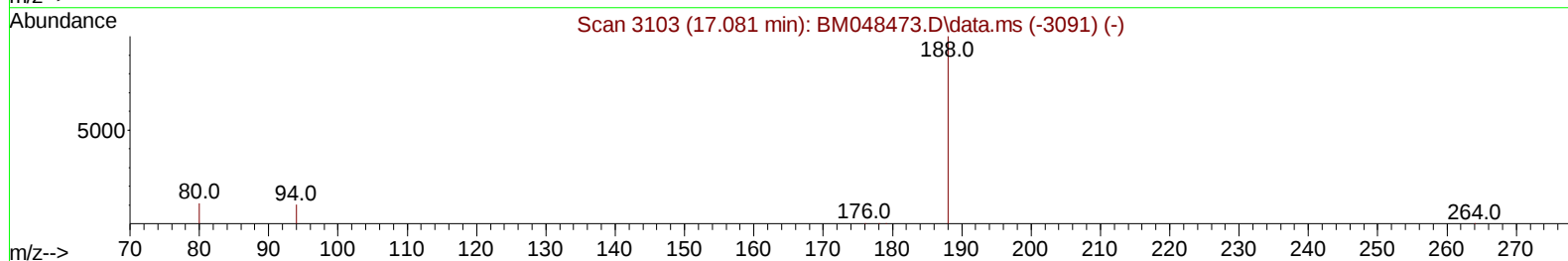
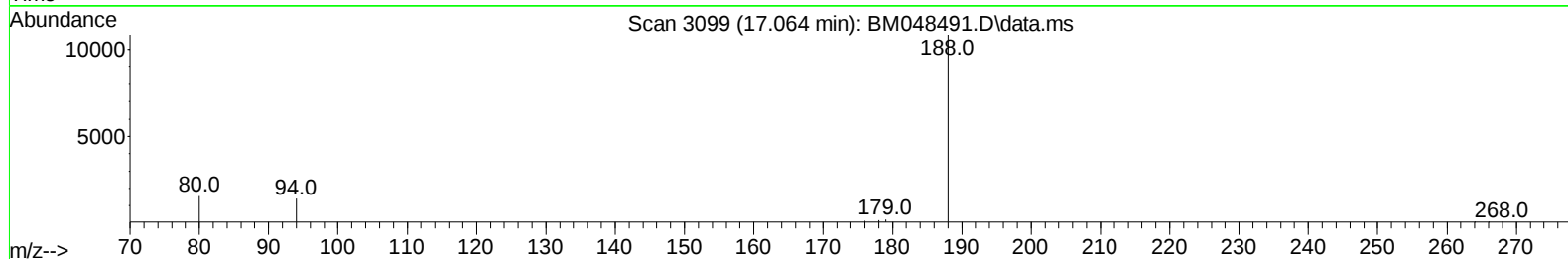
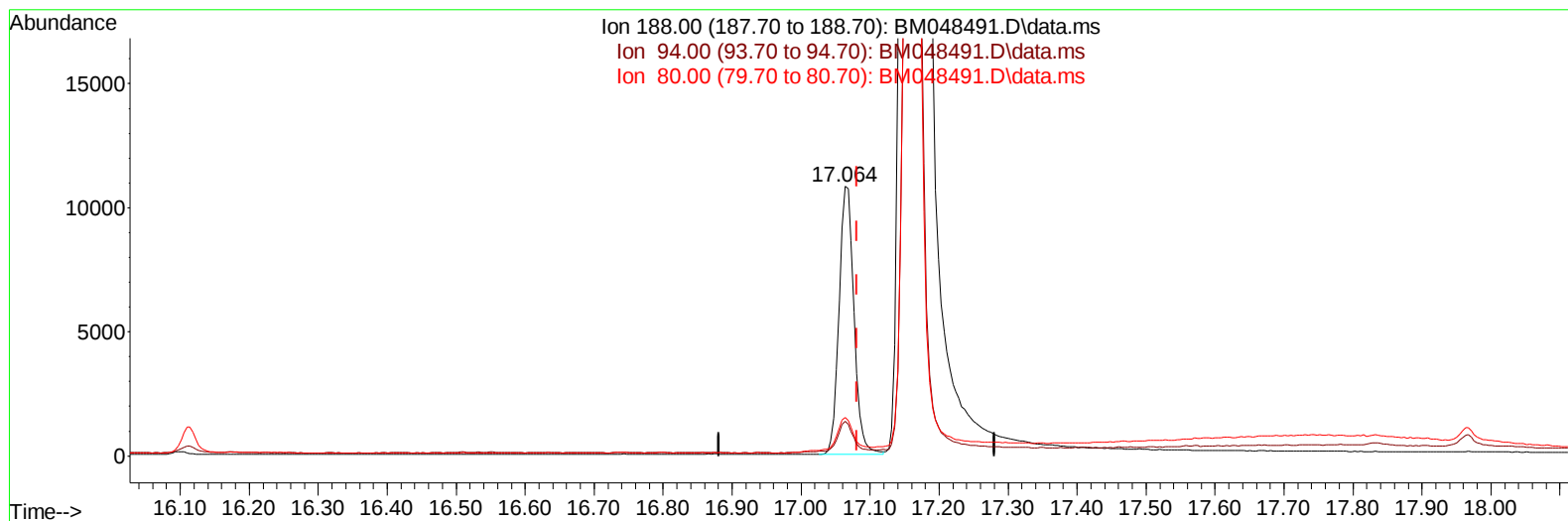
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BM048491.D\data.ms

(13) Phenanthrene-d10 (I)

17.064min (-0.017) 0.40 ng/ul m

response 16171

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.00	12.84
80.00	12.60	14.18
0.00	0.00	0.00

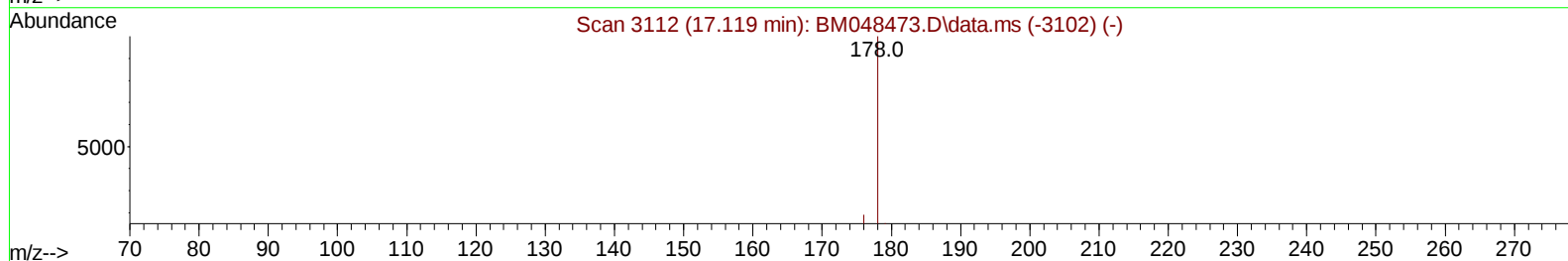
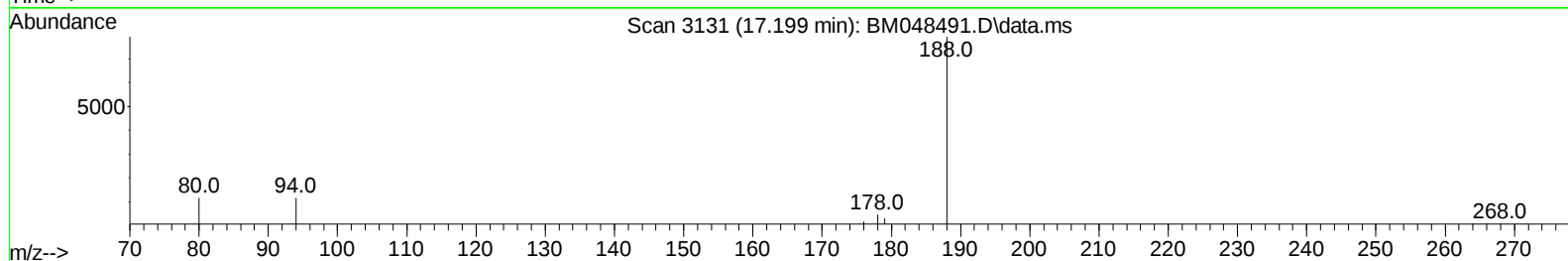
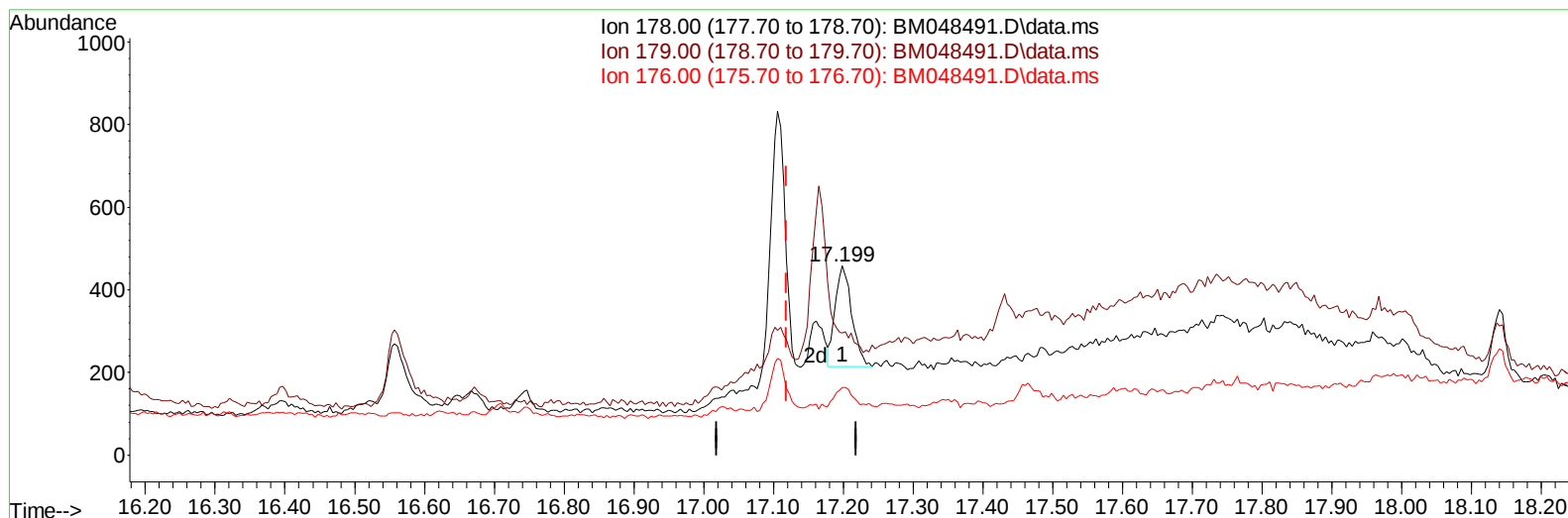
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BM048491.D\data.ms

(15) Phenanthrene

17.199min (+ 0.080) 0.01 ng/u1

response 400

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.70	64.63#
176.00	20.20	35.81#
0.00	0.00	0.00

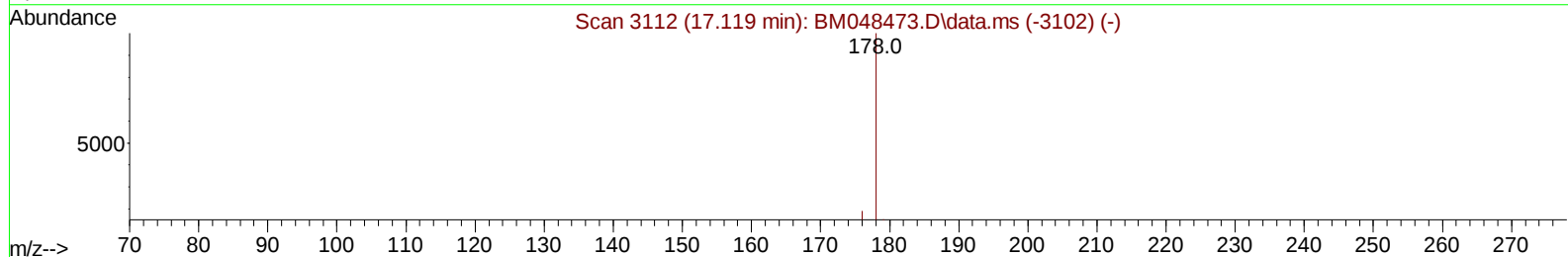
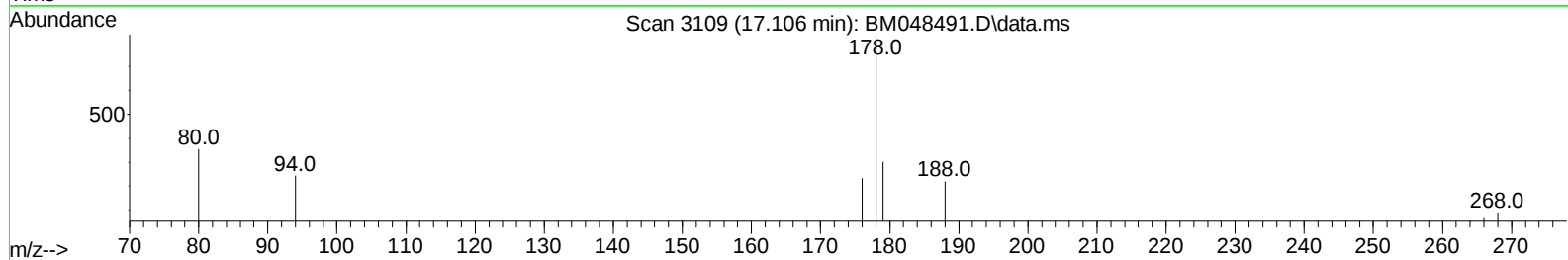
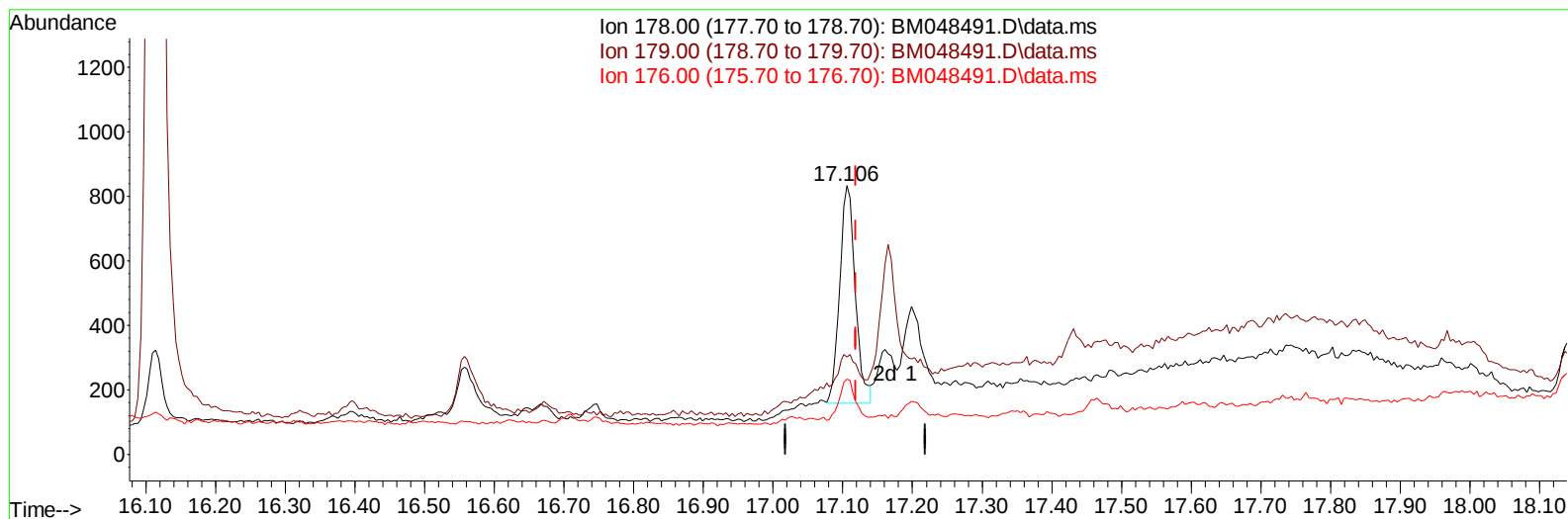
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BM048491.D\data.ms

(15) Phenanthrene

17.106min (-0.013) 0.02 ng/u1 m

response 1052

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.70	36.13#
176.00	20.20	28.09#
0.00	0.00	0.00

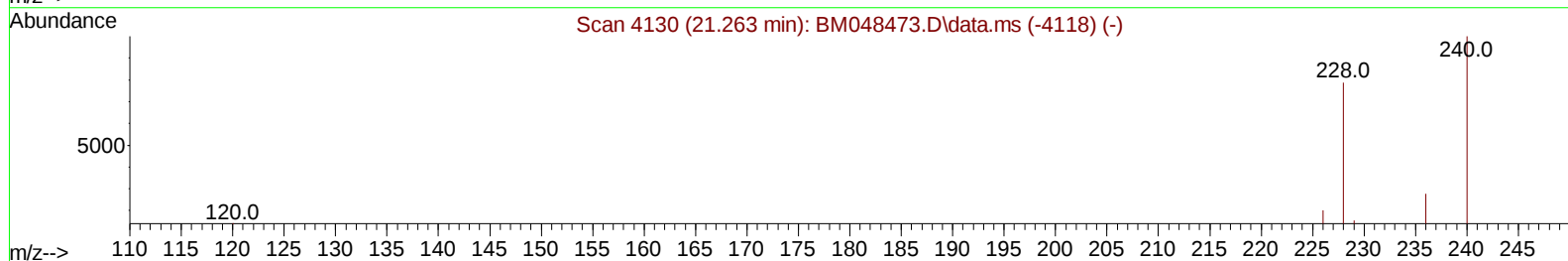
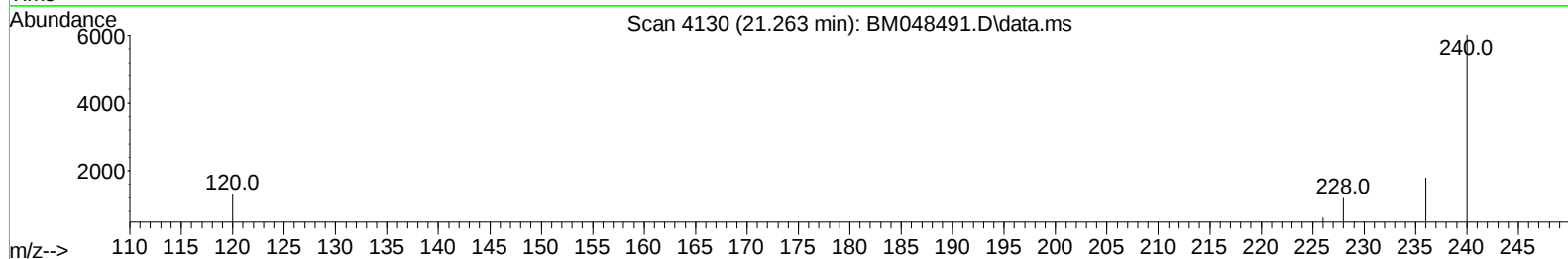
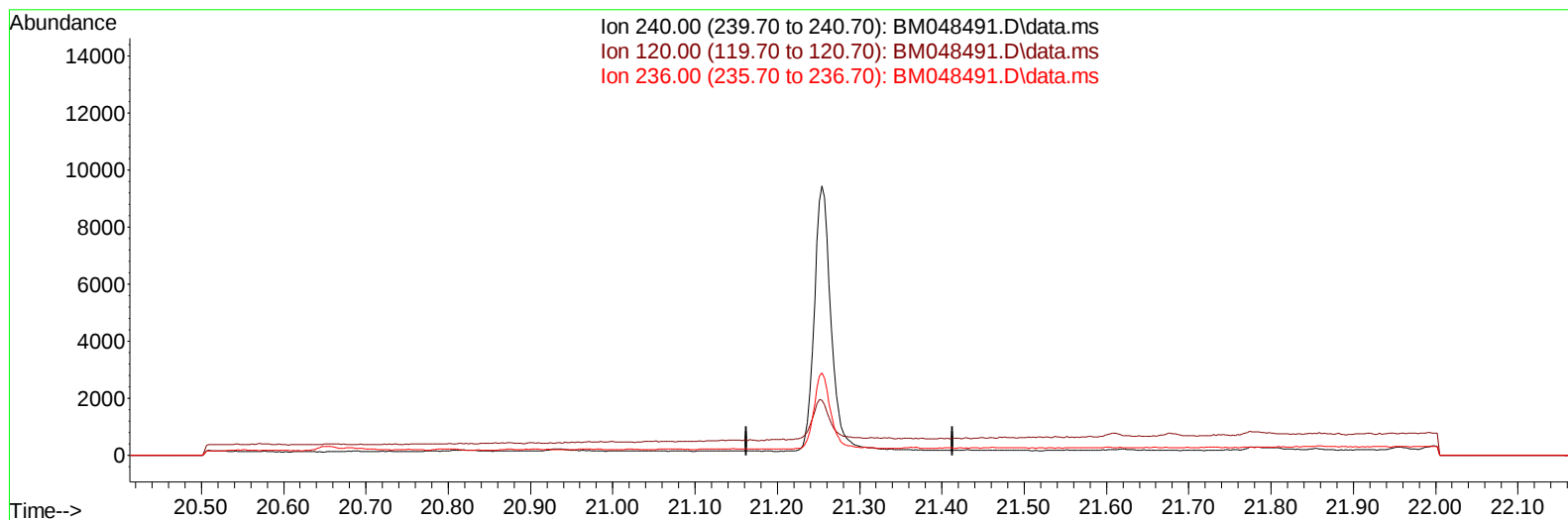
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM048491.D\data.ms

(17) Chrysene-d12

21.263min (-21.263) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	20.50	0.00#
236.00	29.90	0.00#
0.00	0.00	0.00

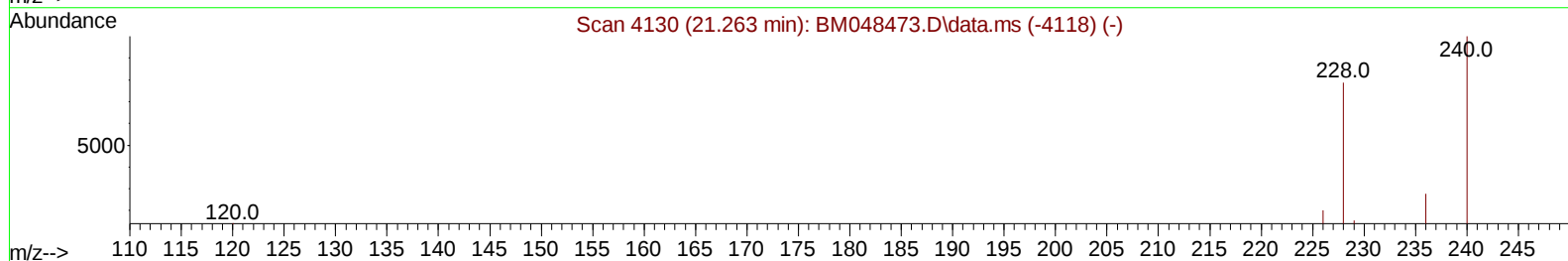
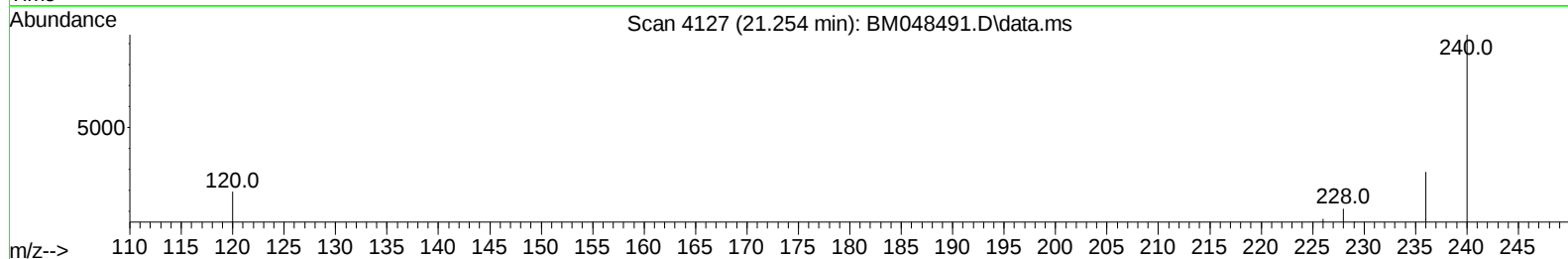
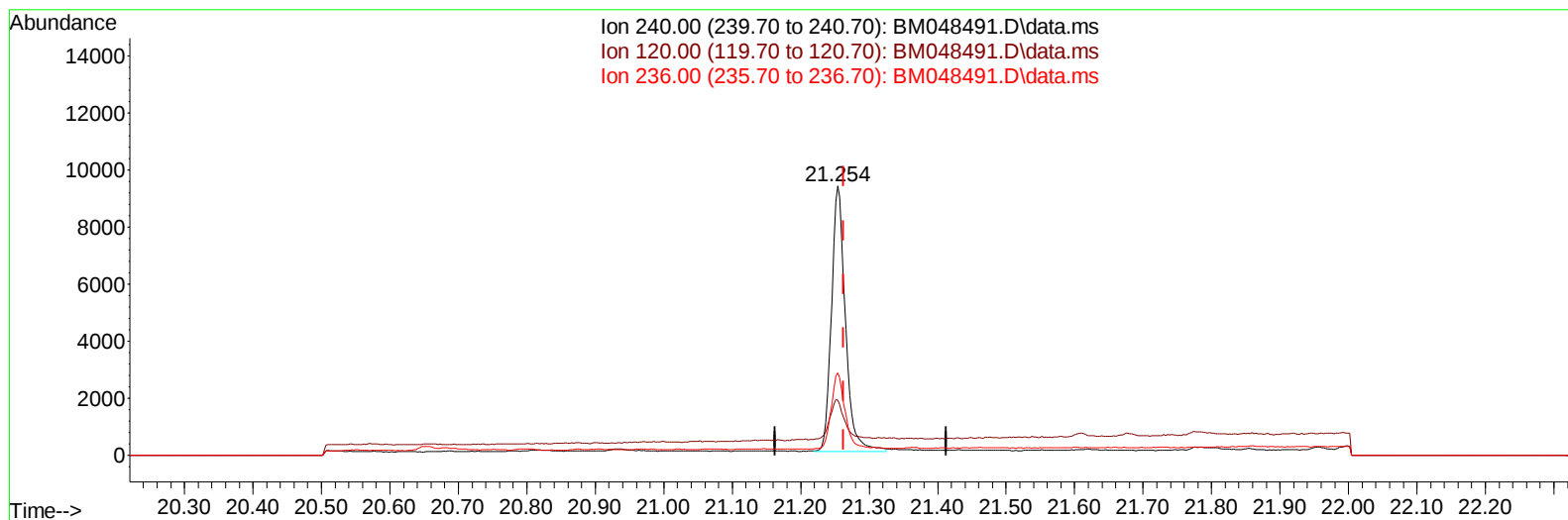
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

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Supervised By :mohammad ahmed 11/11/2024



TIC: BM048491.D\data.ms

(17) Chrysene-d12

21.254min (-0.009) 0.40 ng/ul m

response 13234

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.50	20.41
236.00	29.90	30.47
0.00	0.00	0.00

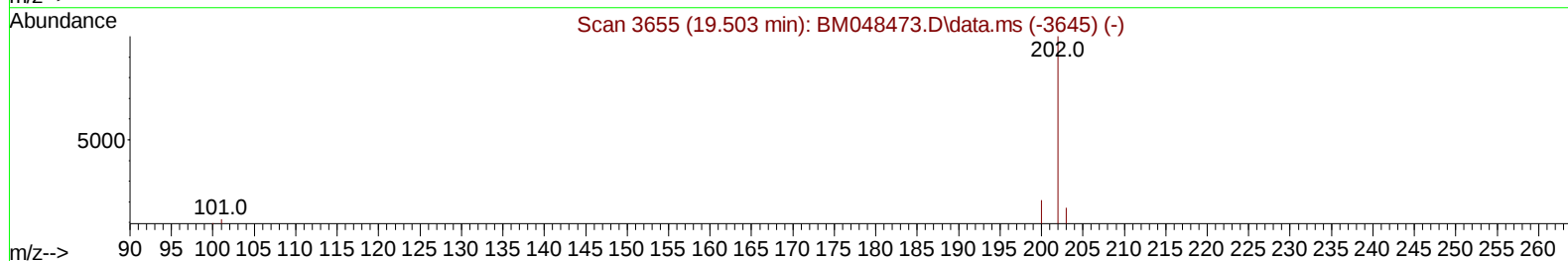
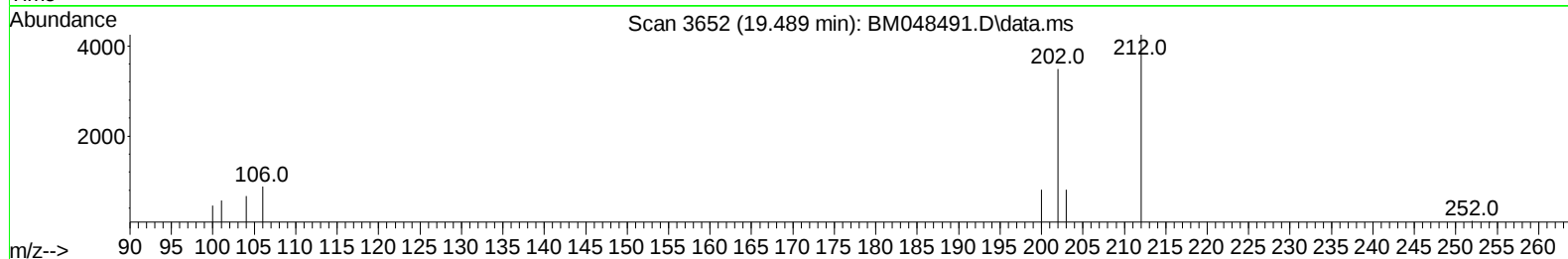
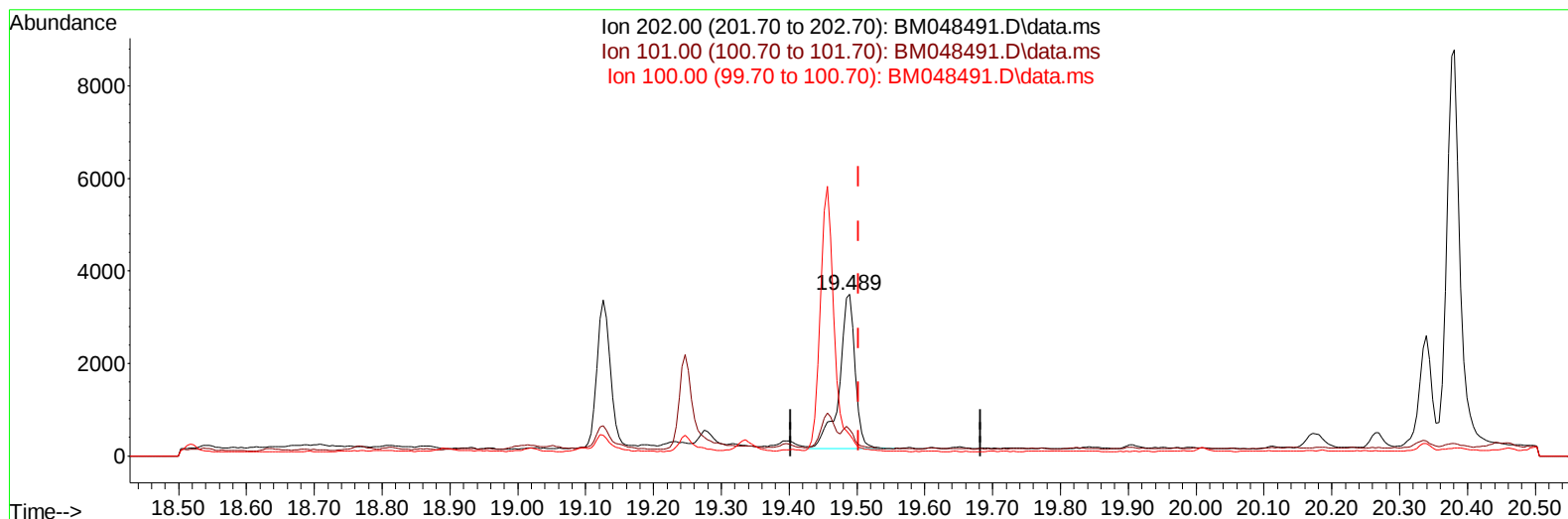
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
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Reviewed By :Jagrut Upadhyay 11/07/2024
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TIC: BM048491.D\data.ms

(20) Pyrene

19.489min (-0.014) 0.10 ng/u1

response 5550

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.30	16.43
100.00	10.60	13.22#
0.00	0.00	0.00

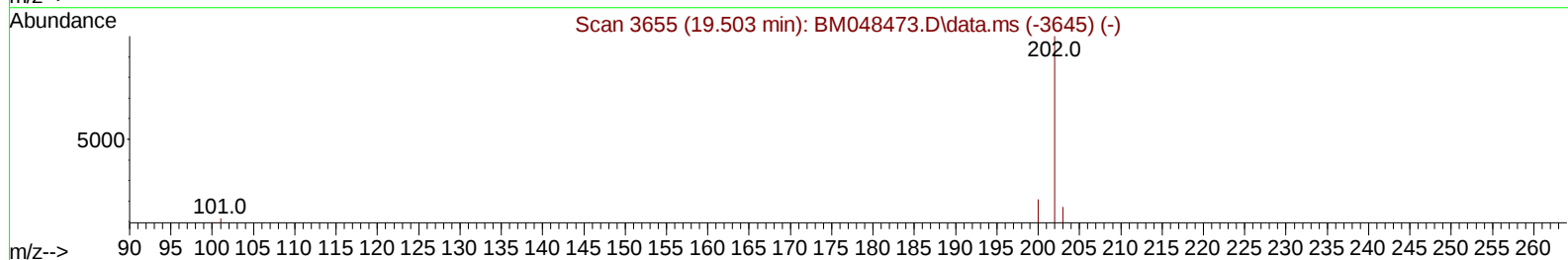
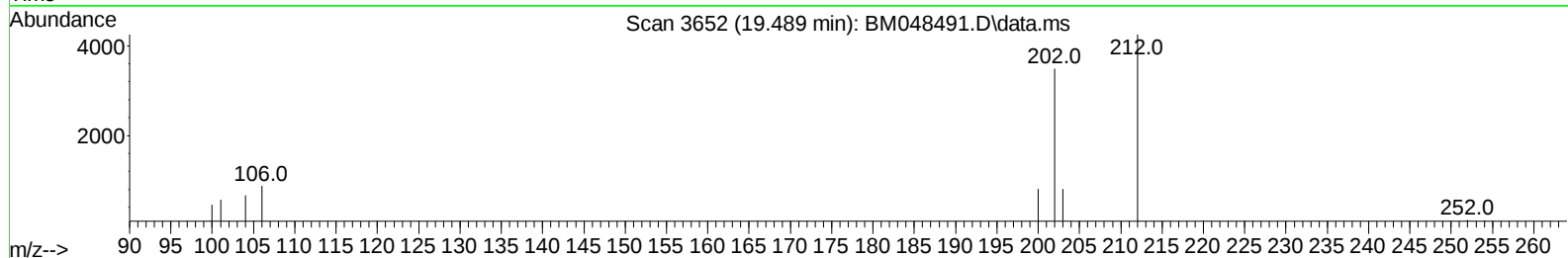
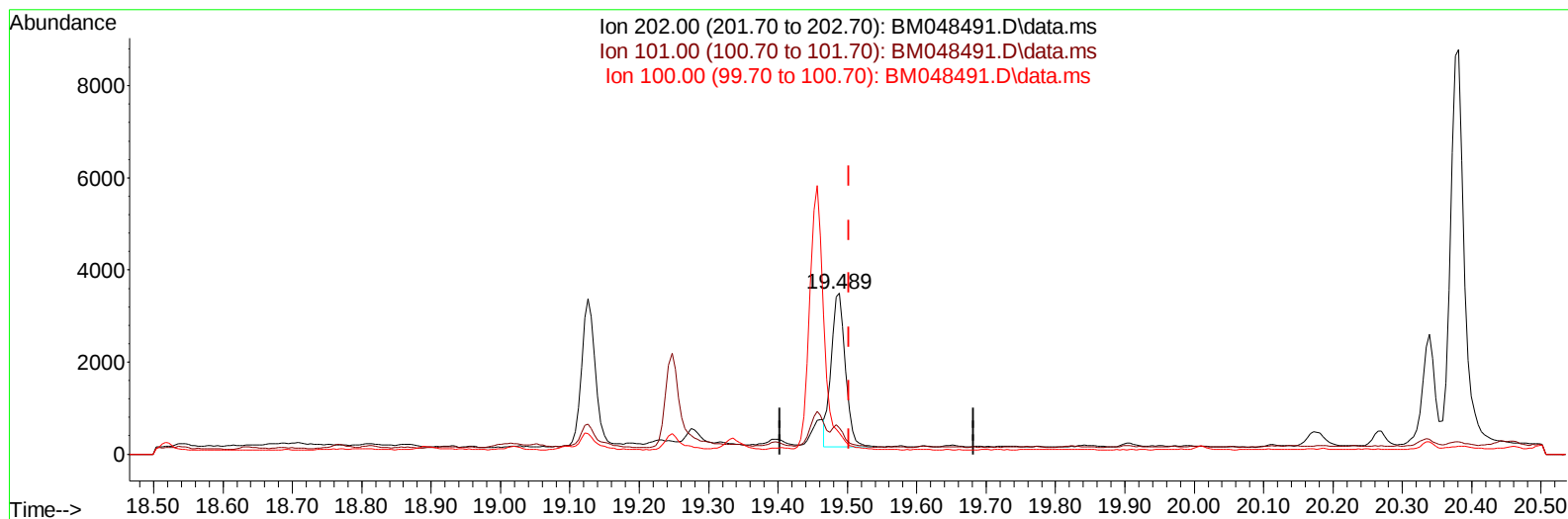
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BM048491.D\data.ms

(20) Pyrene

19.489min (-0.014) 0.09 ng/u1 m

response 4756

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.30	16.43
100.00	10.60	13.22#
0.00	0.00	0.00

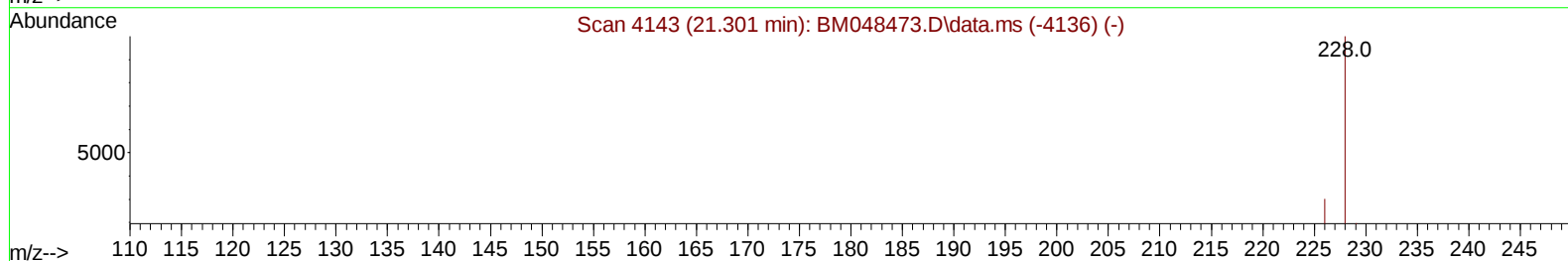
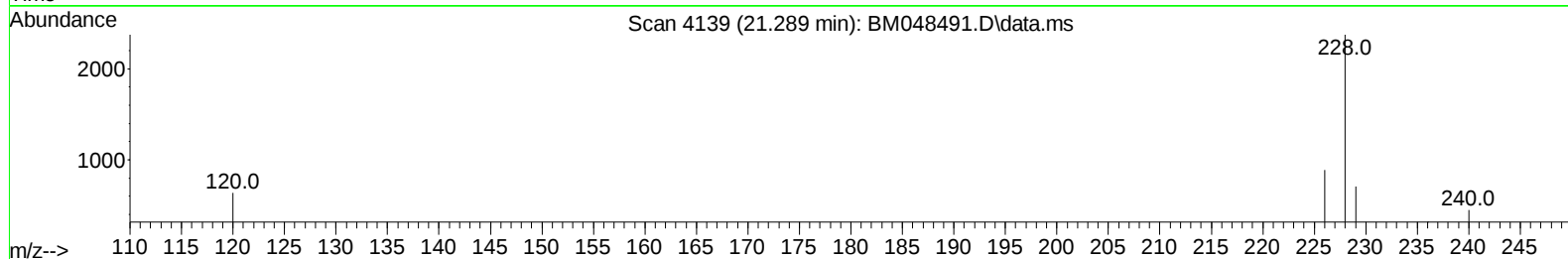
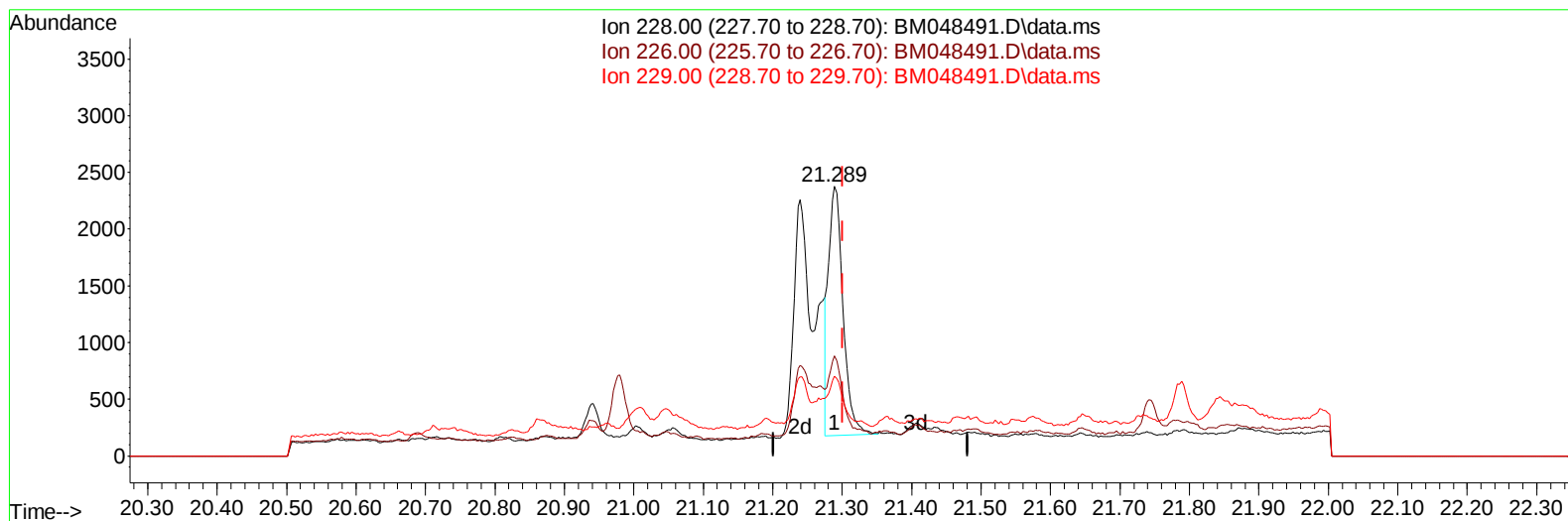
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
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TIC: BM048491.D\data.ms

(22) Chrysene

21.289min (-0.012) 0.06 ng/u1

response 3246

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.50	37.25#
229.00	20.60	29.67#
0.00	0.00	0.00

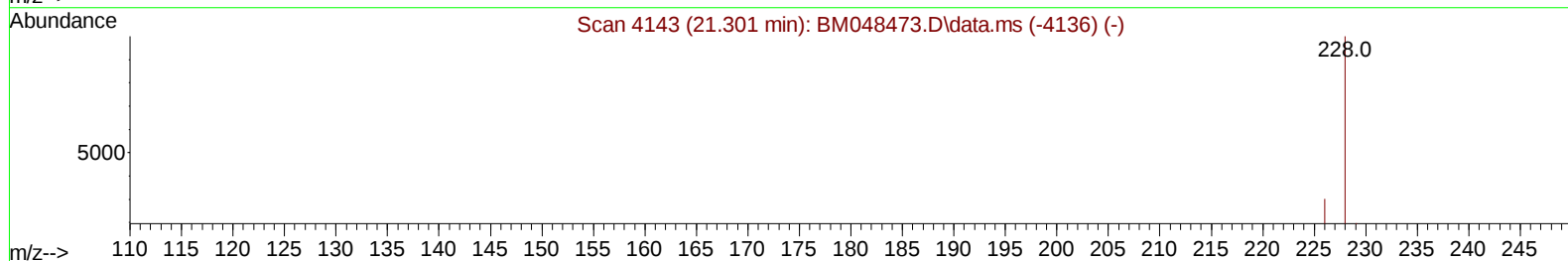
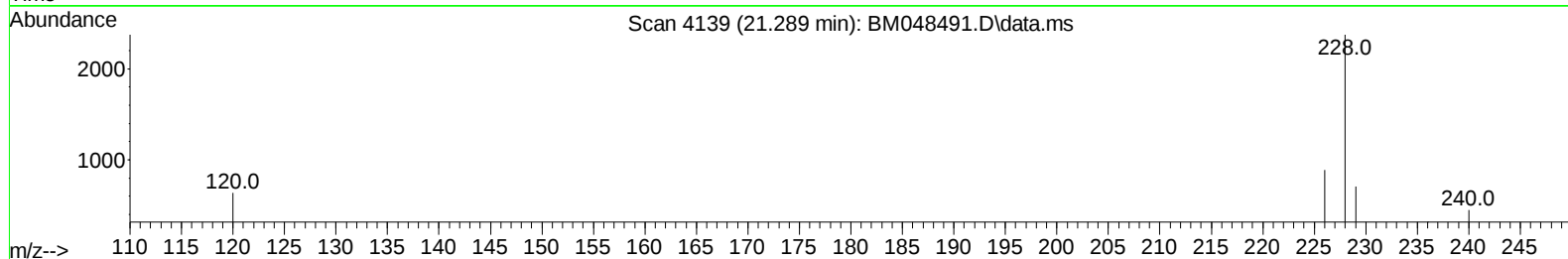
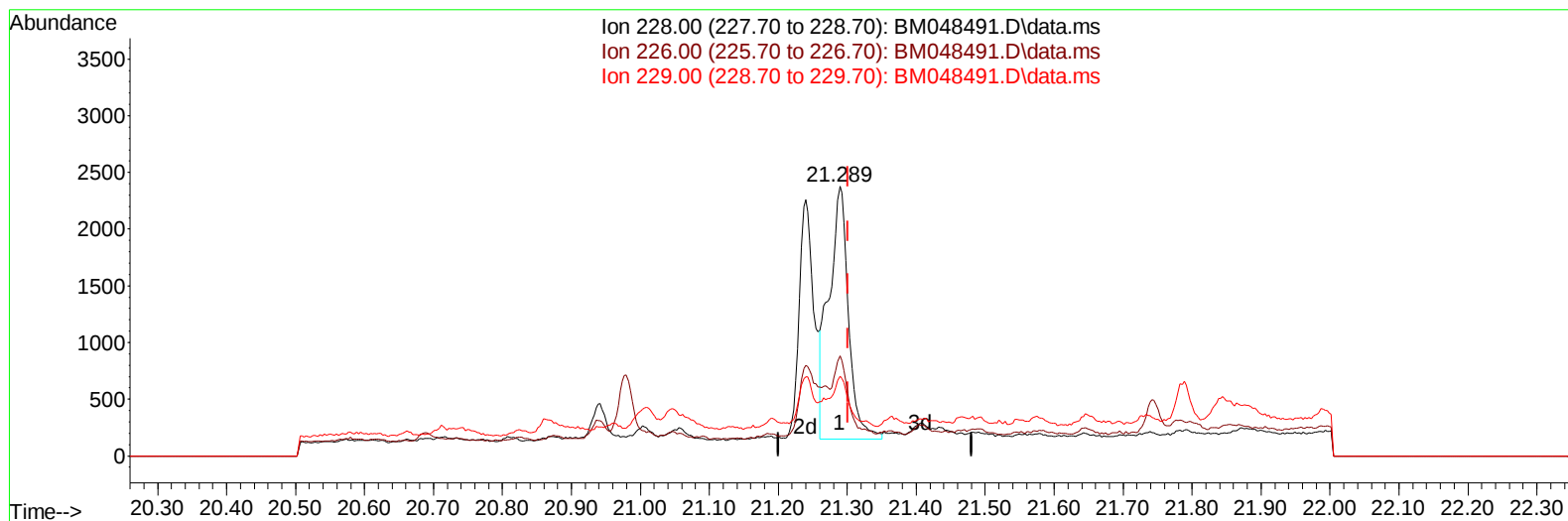
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

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TIC: BM048491.D\data.ms

(22) Chrysene

21.289min (-0.012) 0.09 ng/u1 m

response 4444

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.50	37.25#
229.00	20.60	29.67#
0.00	0.00	0.00

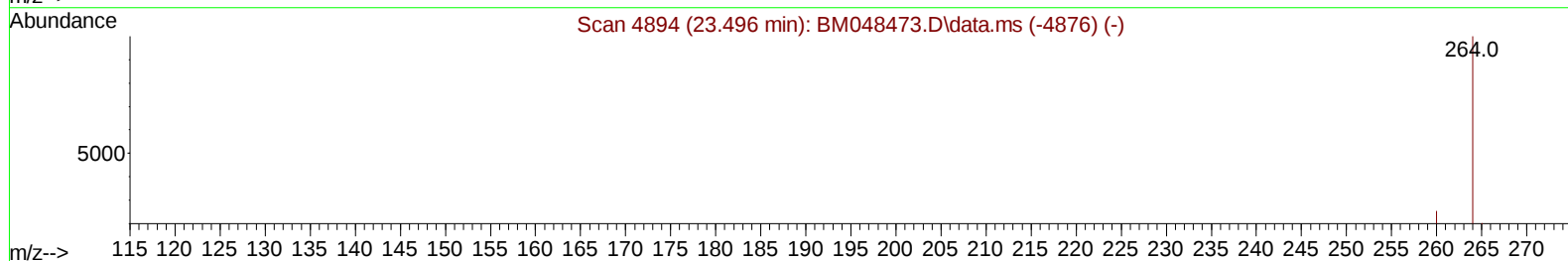
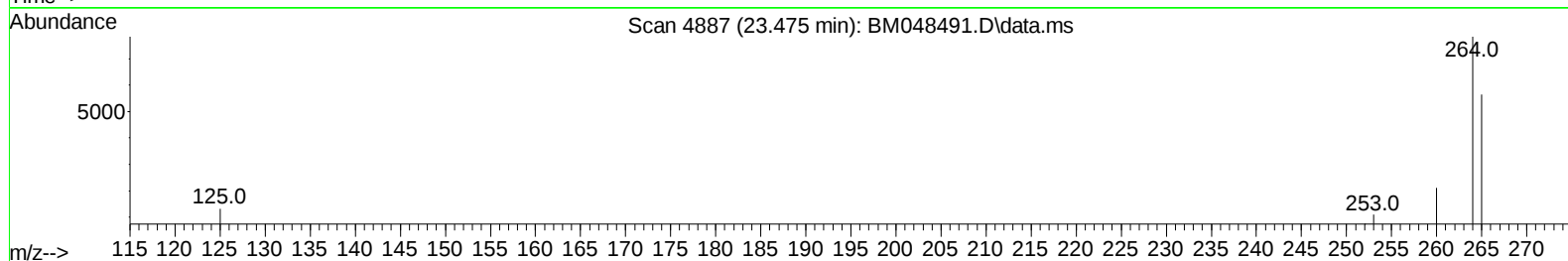
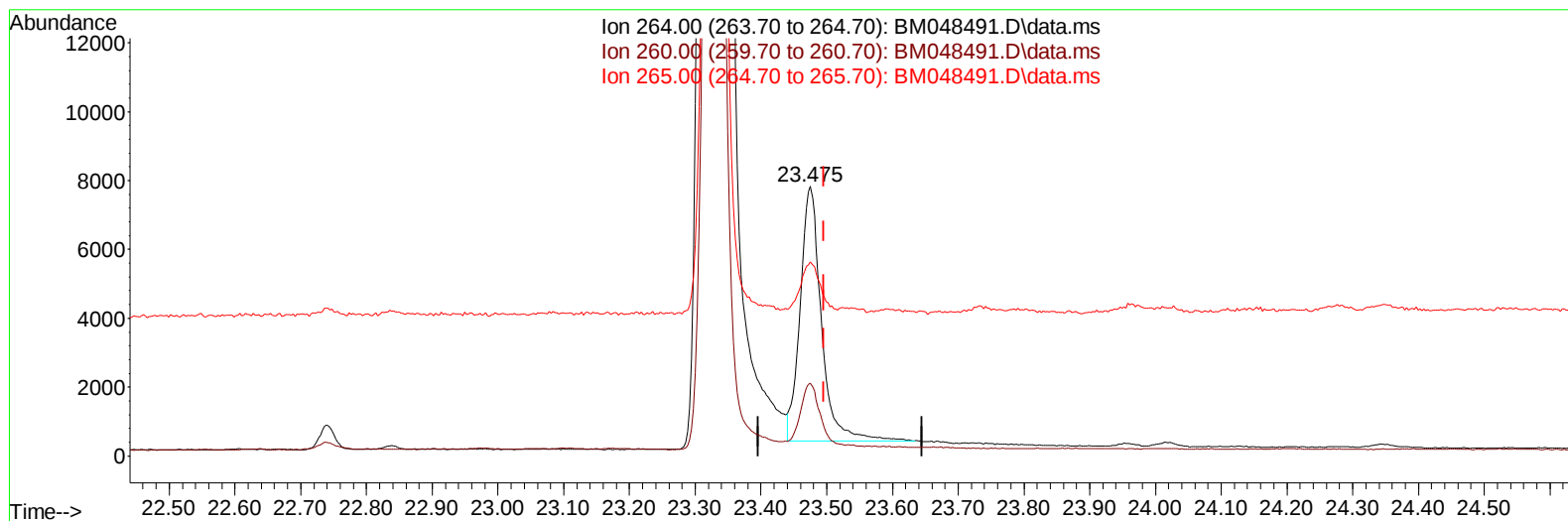
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
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TIC: BM048491.D\data.ms

(23) Perylene-d12 (I)

23.475min (-0.021) 0.40 ng/u1

response 16470

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.30	27.01
265.00	119.80	72.05#
0.00	0.00	0.00

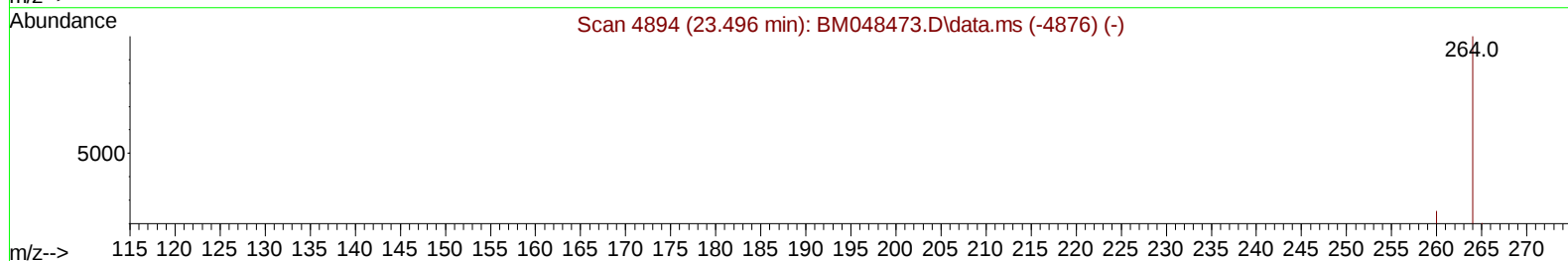
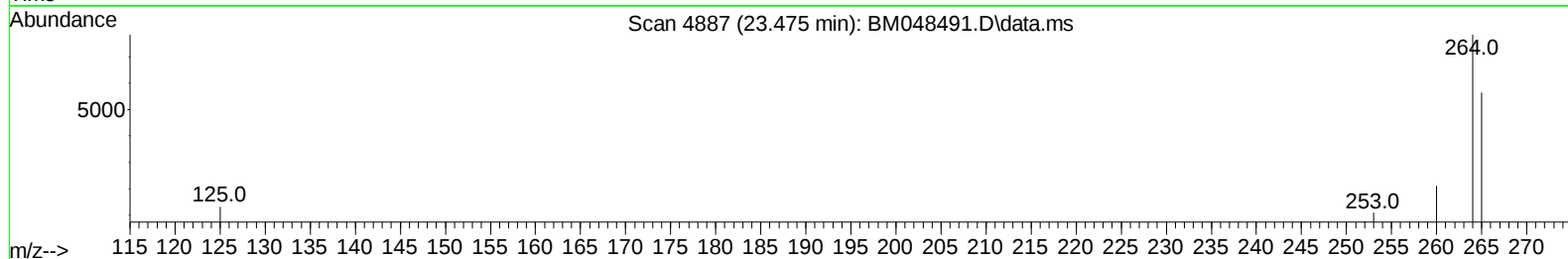
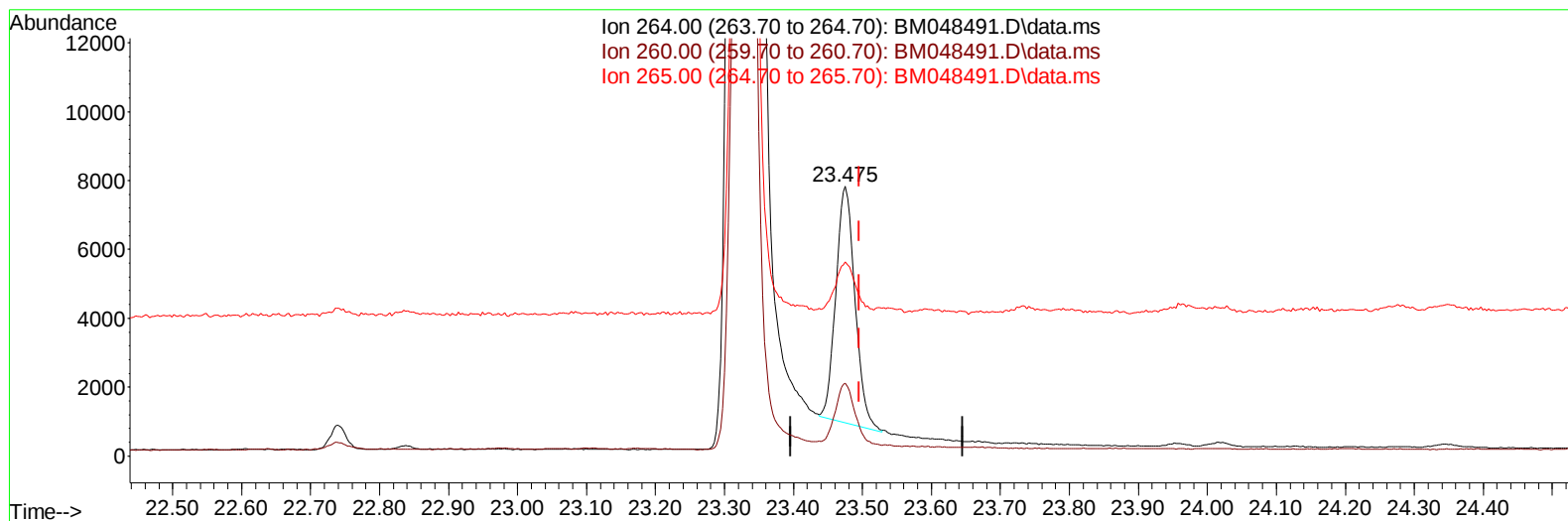
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
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TIC: BM048491.D\data.ms

(23) Perylene-d12 (I)

23.475min (-0.021) 0.40 ng/ul m

response 13162

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.30	27.01
265.00	119.80	72.05#
0.00	0.00	0.00

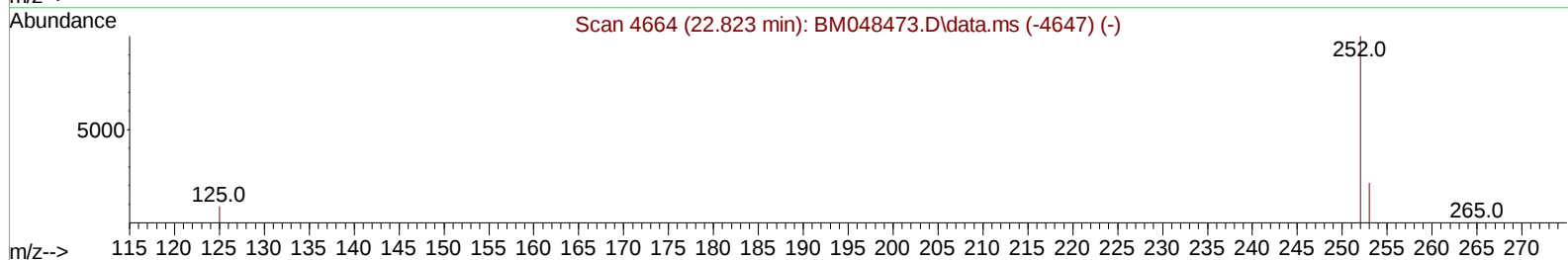
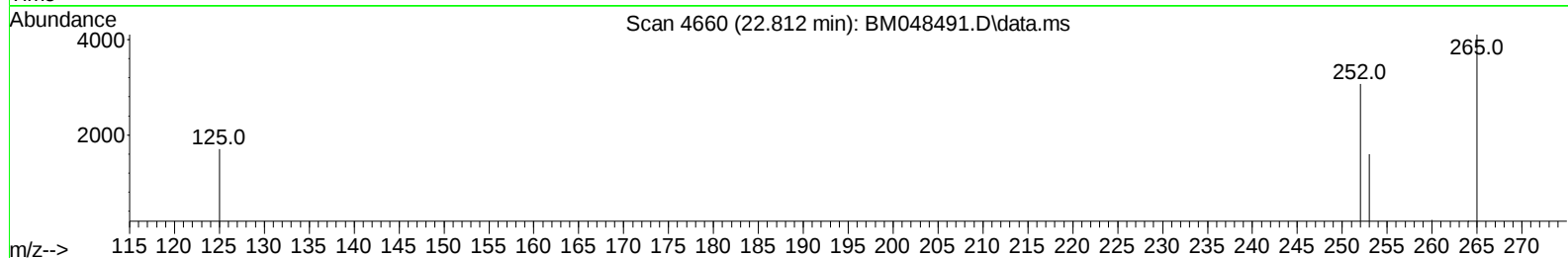
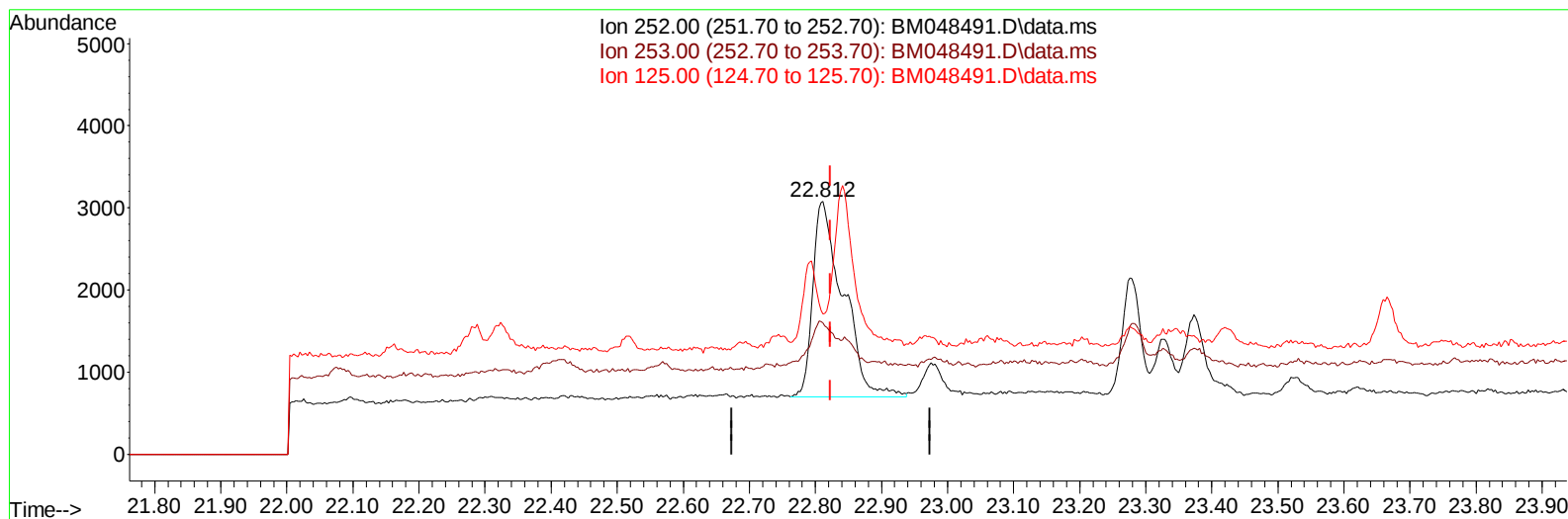
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
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TIC: BM048491.D\data.ms

(24) Benzo(b)fluoranthene

22.812min (-0.012) 0.18 ng/u1

response 7574

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.80	52.02
125.00	21.60	55.46#
0.00	0.00	0.00

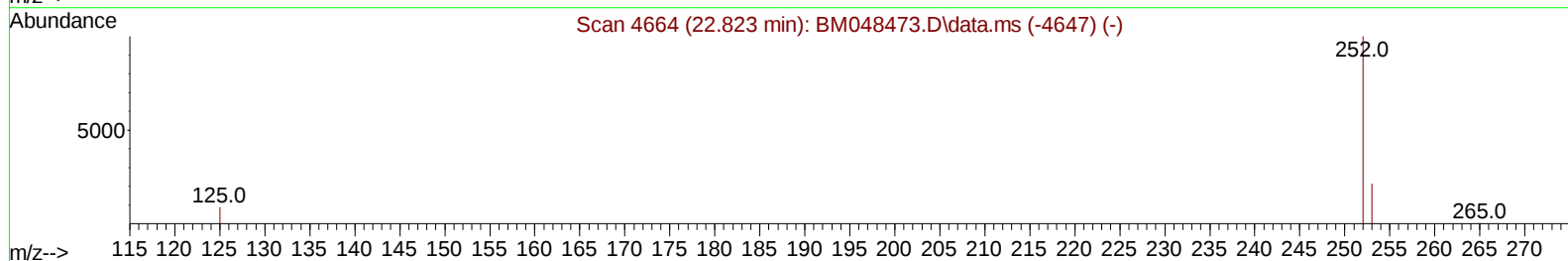
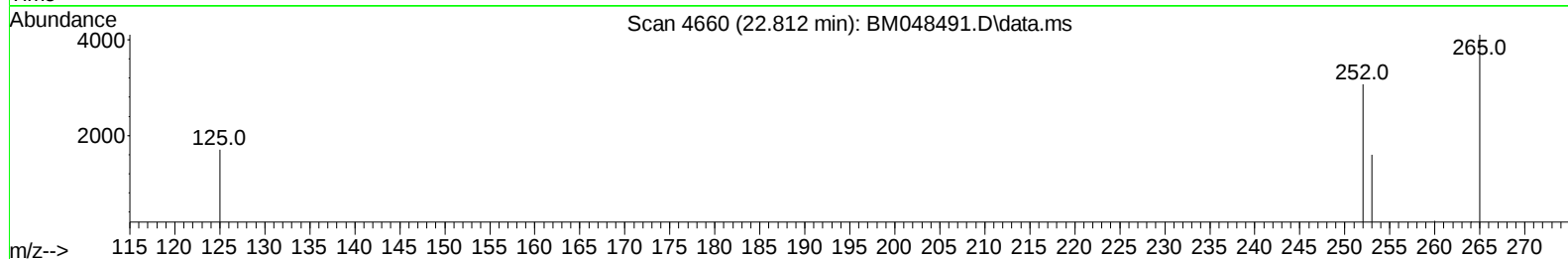
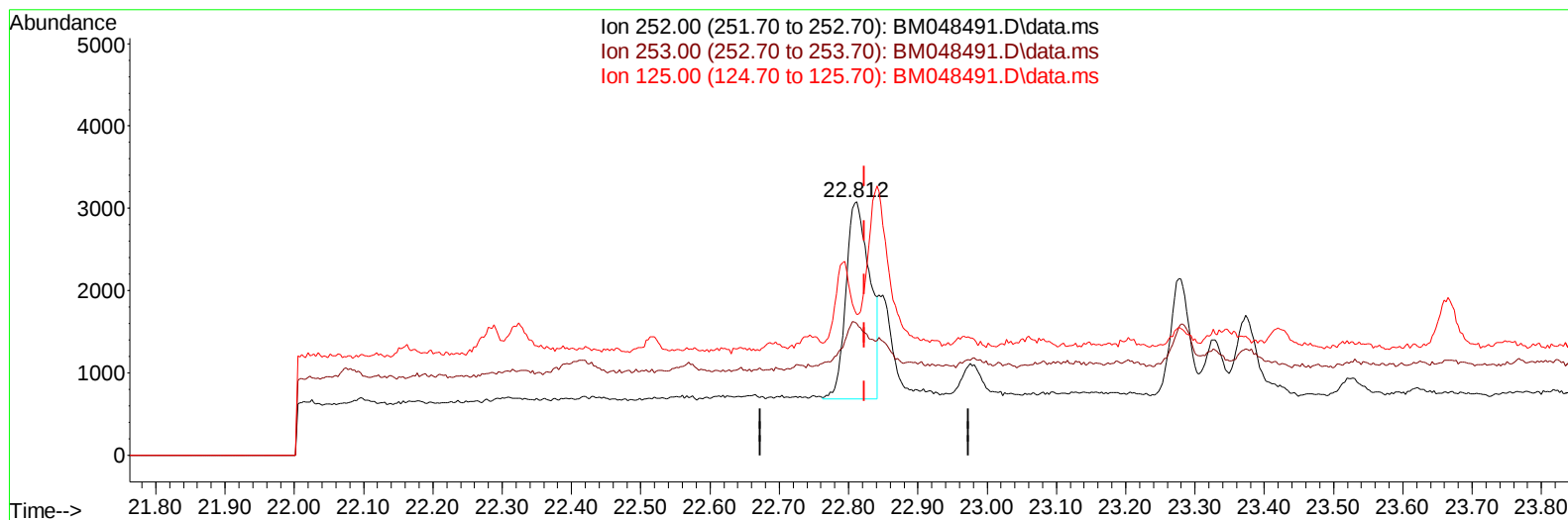
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

Quant Time: Nov 07 01:20:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 14:39:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BM048491.D\data.ms

(24) Benzo(b)fluoranthene

22.812min (-0.012) 0.14 ng/ul m

response 5729

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.80	52.02
125.00	21.60	55.46#
0.00	0.00	0.00

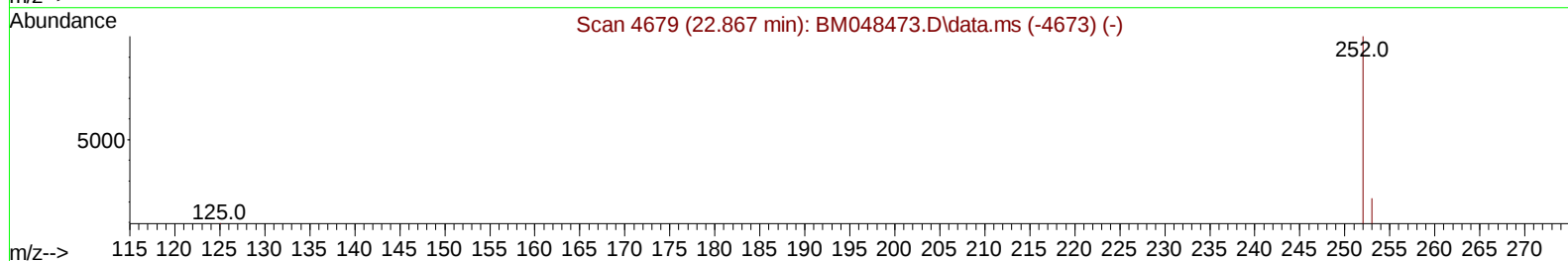
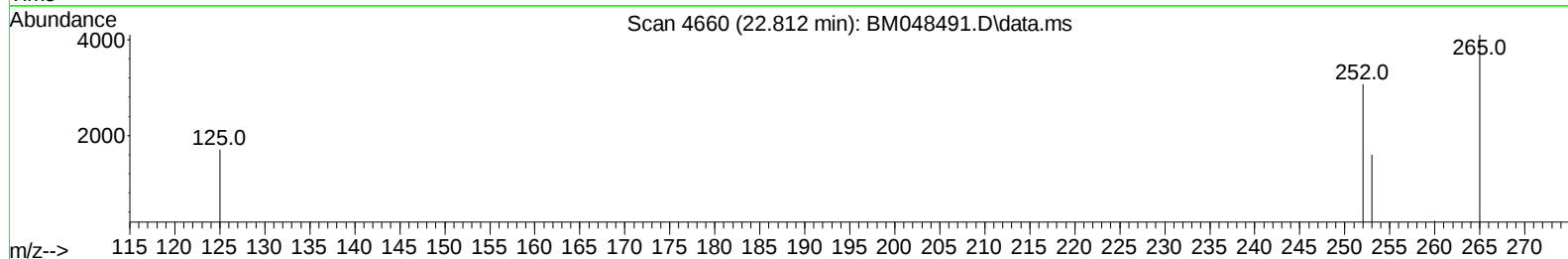
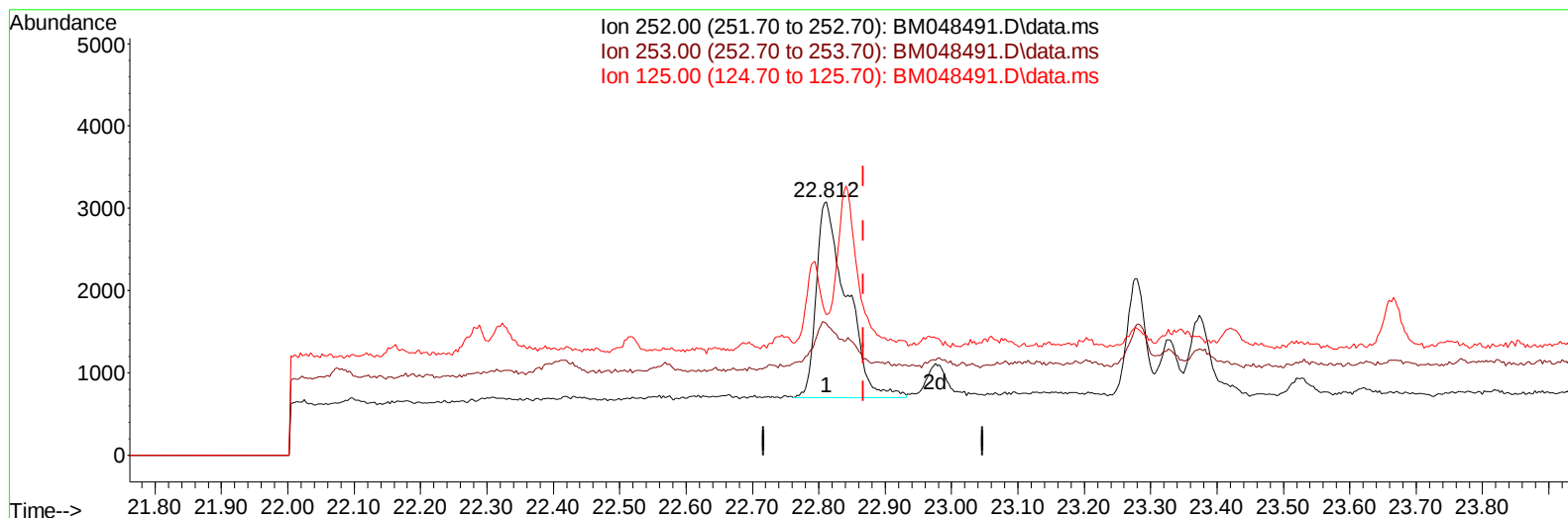
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

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TIC: BM048491.D\data.ms

(25) Benzo(k)fluoranthene

22.812min (-0.056) 0.16 ng/u1

response 7558

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.20	52.02#
125.00	21.70	55.46#
0.00	0.00	0.00

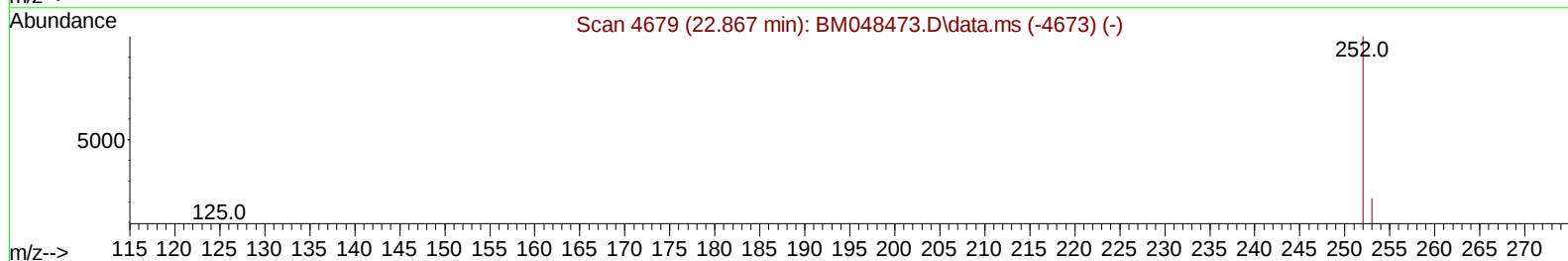
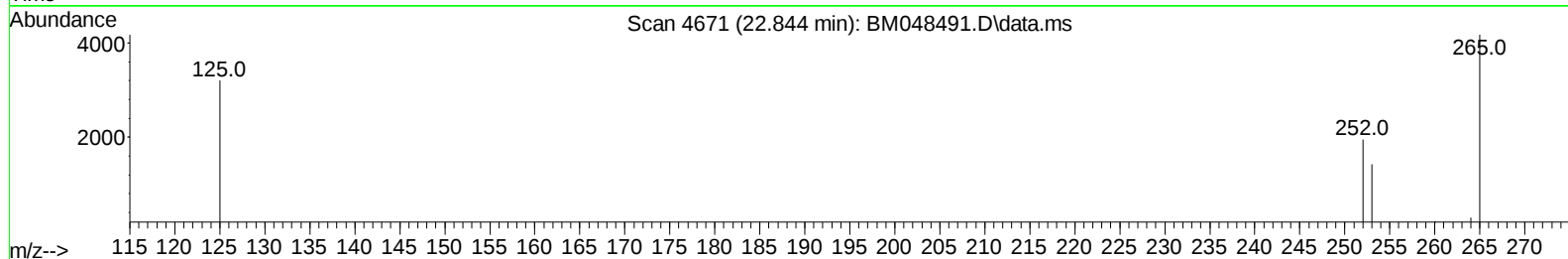
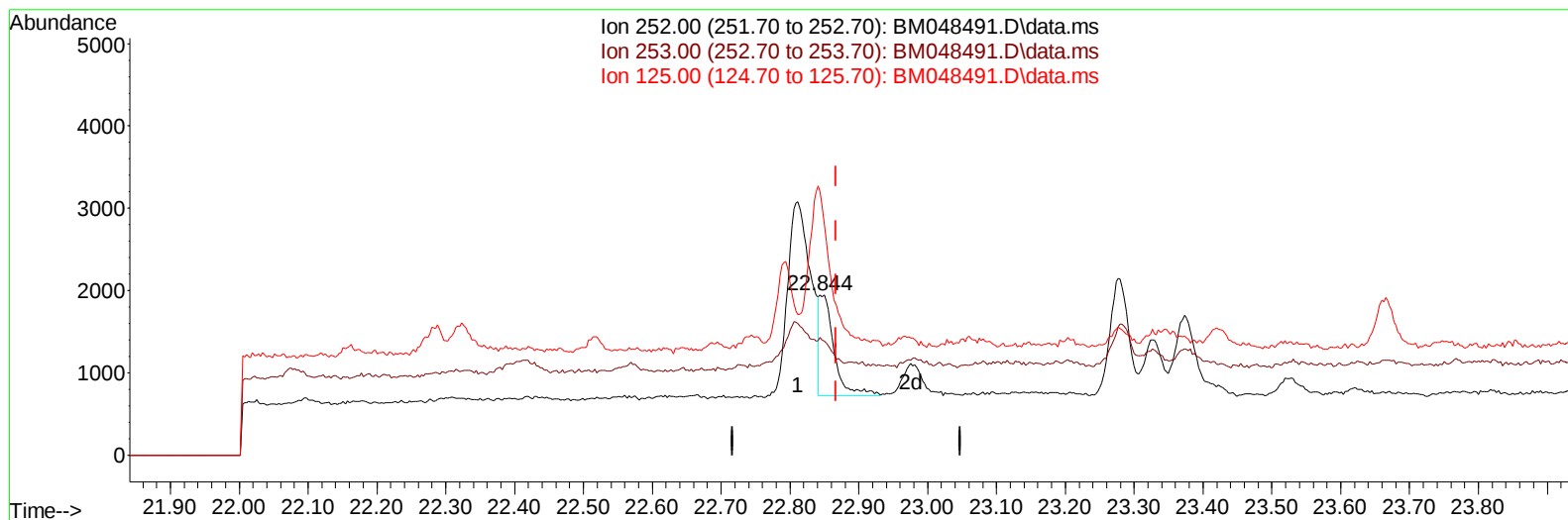
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
Data File : BM048491.D
Acq On : 07 Nov 2024 00:12
Operator : RC/JU
Sample : P4634-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CC0P7

Manual IntegrationsAPPROVED

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TIC: BM048491.D\data.ms

(25) Benzo(k)fluoranthene

22.844min (-0.024) 0.04 ng/u1 m

response 1800

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.20	73.50#
125.00	21.70	164.46#
0.00	0.00	0.00

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 Data File : BM048491.D
 Acq On : 07 Nov 2024 00:12
 Operator : RC/JU
 Sample : P4634-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CC0P7

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.678	152		4718	0.400	ng/ul	0.00
4) Naphthalene-d8	10.462	136		15345	0.400	ng/ul	#-0.01
9) Acenaphthene-d10	14.320	164		8115	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.064	188		16171m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.254	240		13234m	0.400	ng/ul	0.00
23) Perylene-d12	23.475	264		13162m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.138	96		15178	2.667	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.062	152		3274	0.165	ng/ul	-0.01
18) Fluoranthene-d10	19.098	212		6864	0.185	ng/ul	0.00
Target Compounds							
							Qvalue
10) Acenaphthylene	14.038	152		1009	0.033	ng/ul#	77
15) Phenanthrene	17.106	178		1052m	0.025	ng/ul	
19) Fluoranthene	19.126	202		4527	0.092	ng/ul#	85
20) Pyrene	19.489	202		4756m	0.089	ng/ul	
21) Benzo(a)anthracene	21.240	228		3148	0.073	ng/ul#	82
22) Chrysene	21.289	228		4444m	0.085	ng/ul	
24) Benzo(b)fluoranthene	22.812	252		5729m	0.140	ng/ul	
25) Benzo(k)fluoranthene	22.844	252		1800m	0.037	ng/ul	
26) Benzo(a)pyrene	23.373	252		2179	0.054	ng/ul#	18
27) Indeno(1,2,3-cd)pyrene	25.722	276		2112	0.038	ng/ul#	84
28) Dibenzo(a,h)anthracene	25.709	278		1209	0.028	ng/ul#	1
29) Benzo(g,h,i)perylene	26.413	276		1742	0.037	ng/ul#	38

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

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