

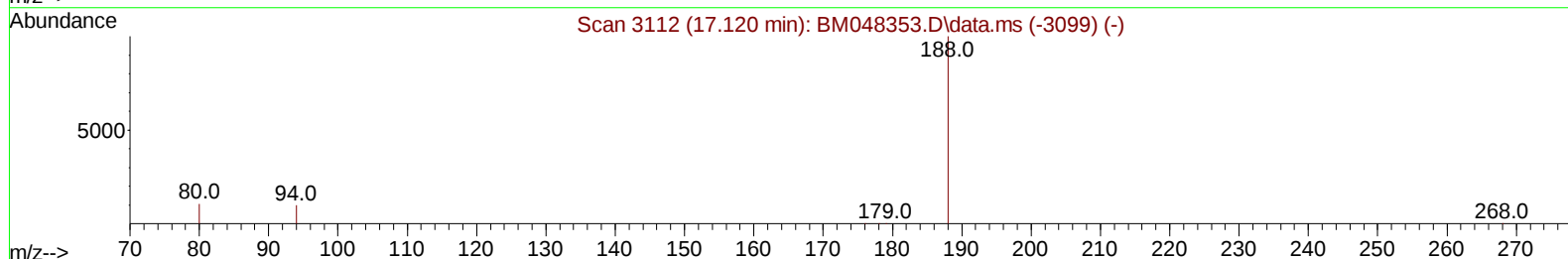
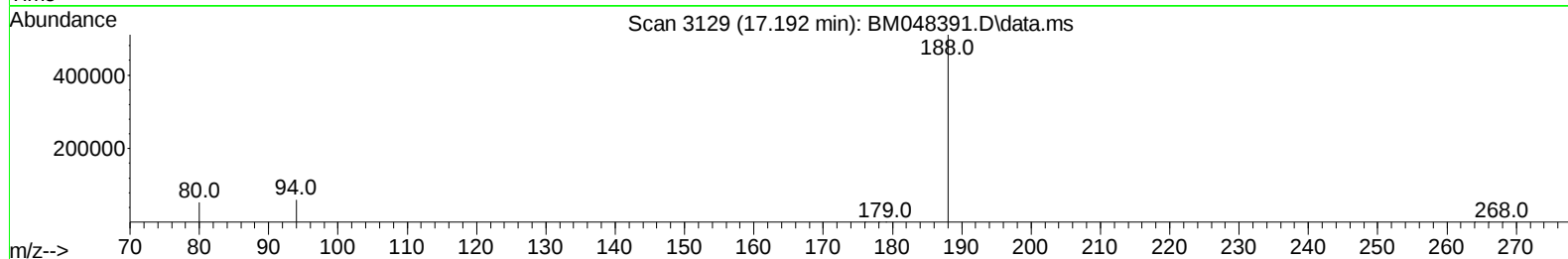
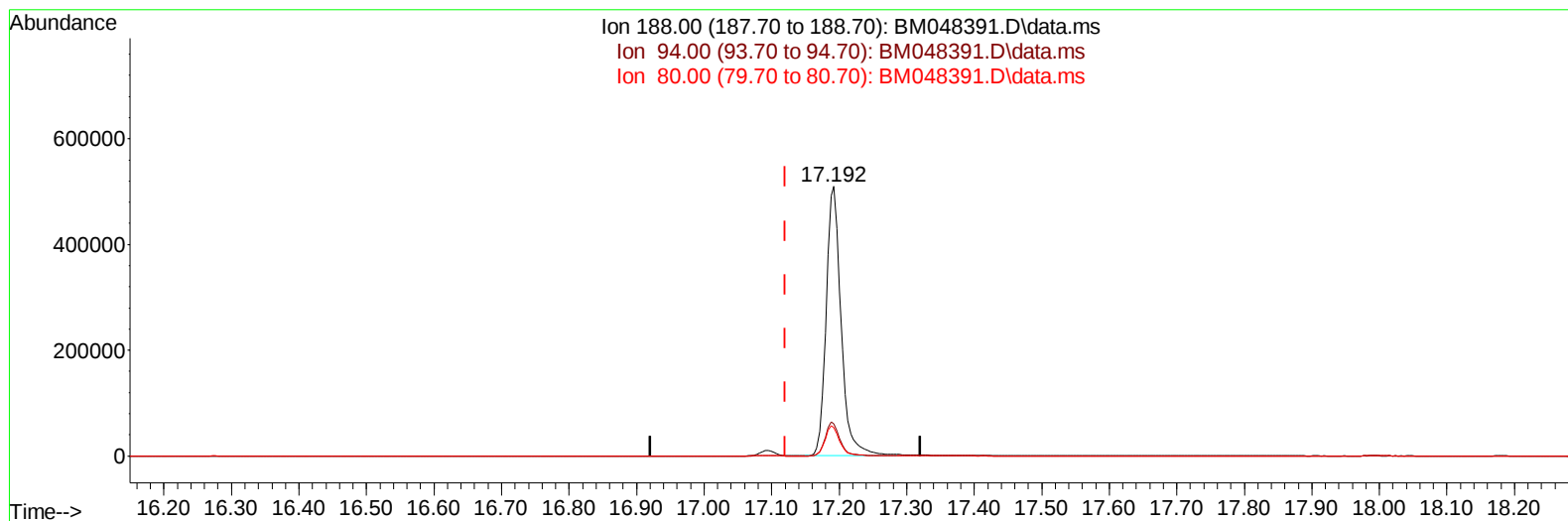
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 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: BM048391.D\data.ms

(13) Phenanthrene-d10 (I)

17.192min (+ 0.072) 0.40 ng/u1

response 788063

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	12.03
80.00	12.10	10.46
0.00	0.00	0.00

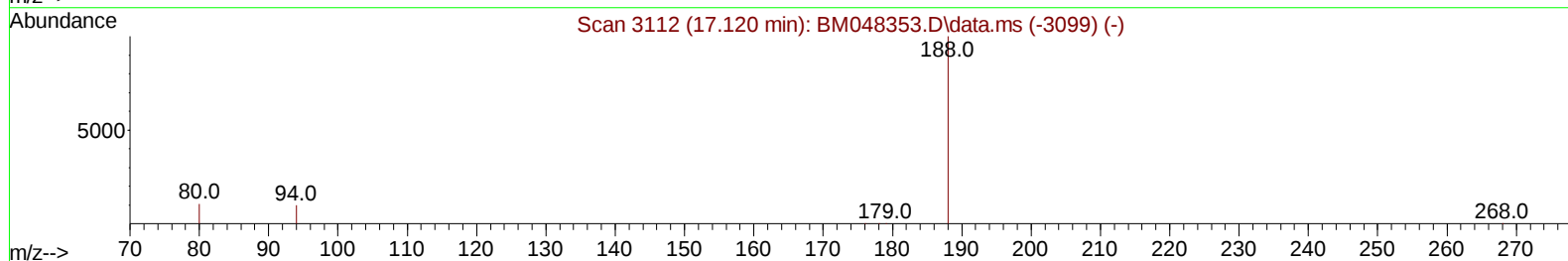
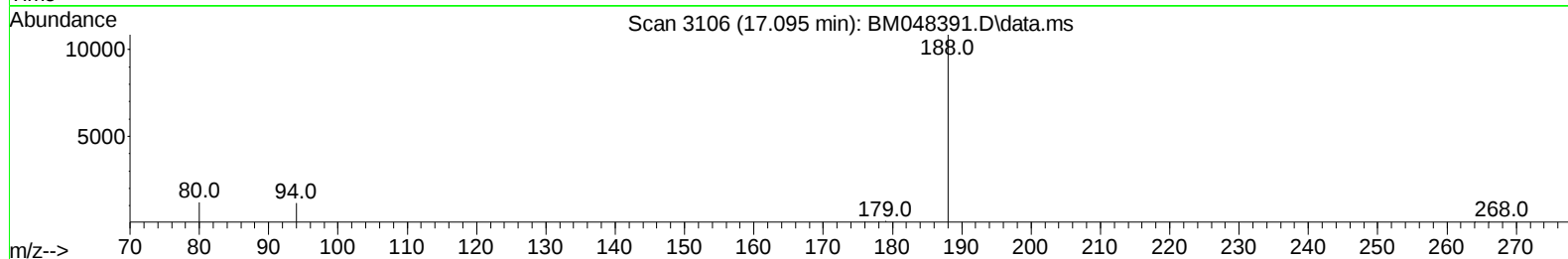
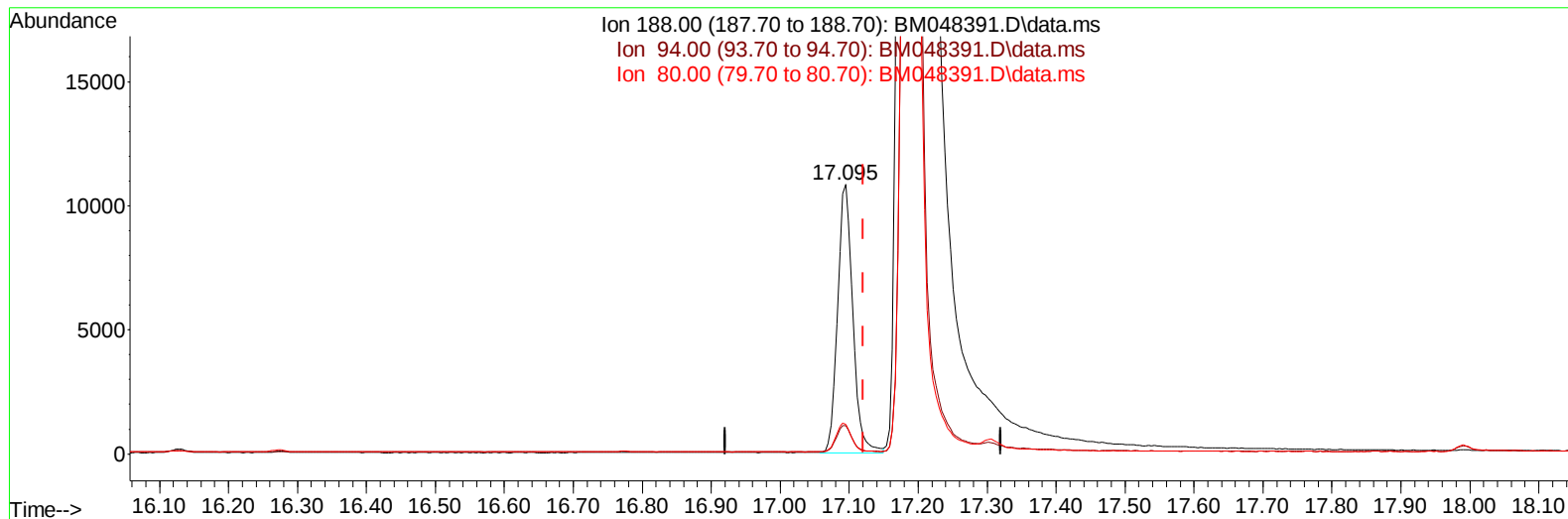
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
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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: BM048391.D\data.ms

(13) Phenanthrene-d10 (I)

17.095min (-0.025) 0.40 ng/ul m

response 16577

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	10.50
80.00	12.10	11.08
0.00	0.00	0.00

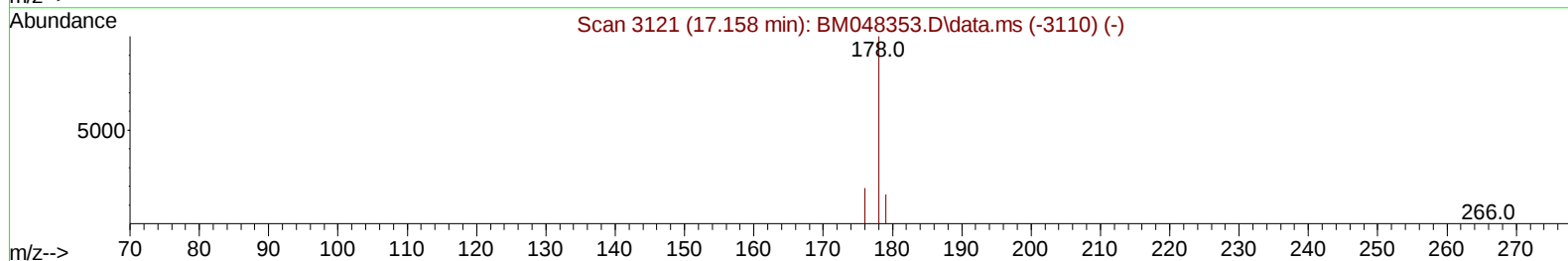
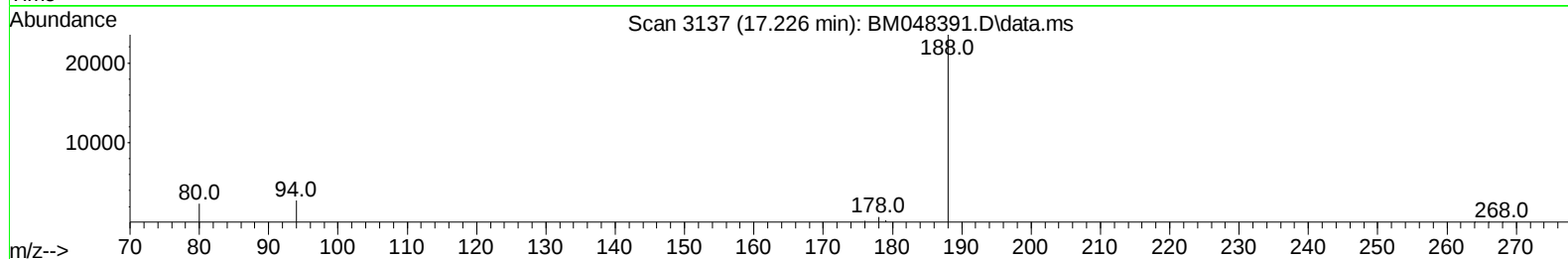
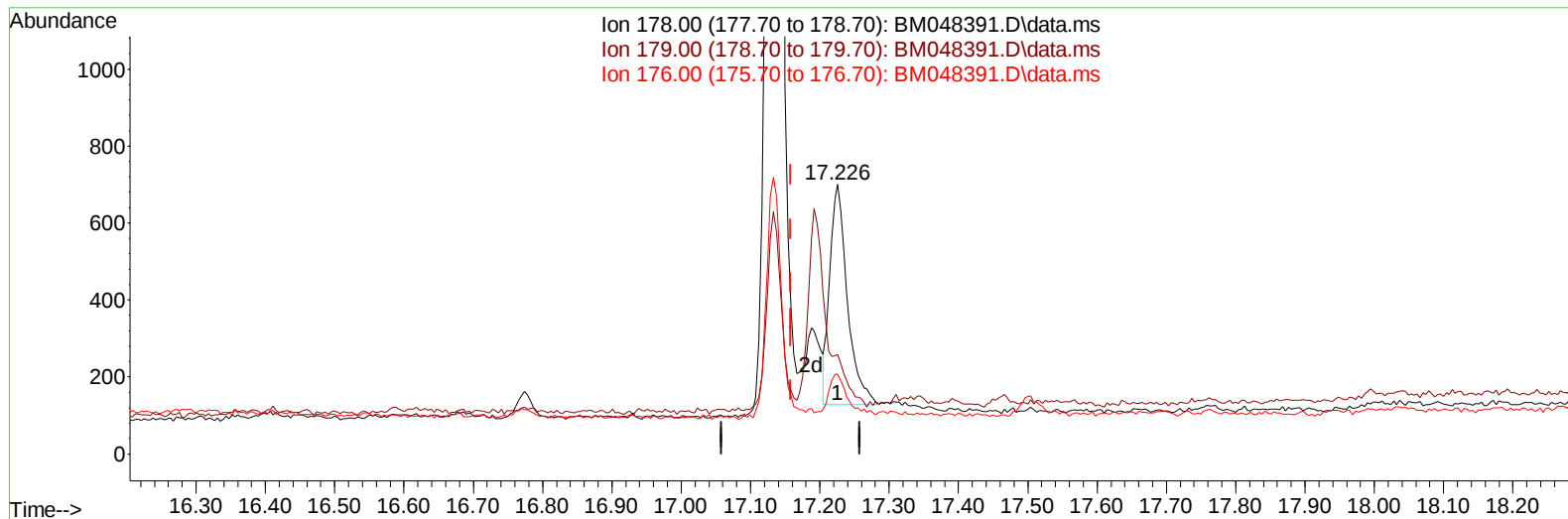
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
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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: BM048391.D\data.ms

(15) Phenanthrene

17.226min (+ 0.068) 0.02 ng/u1

response 1002

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	36.86#
176.00	20.00	29.71#
0.00	0.00	0.00

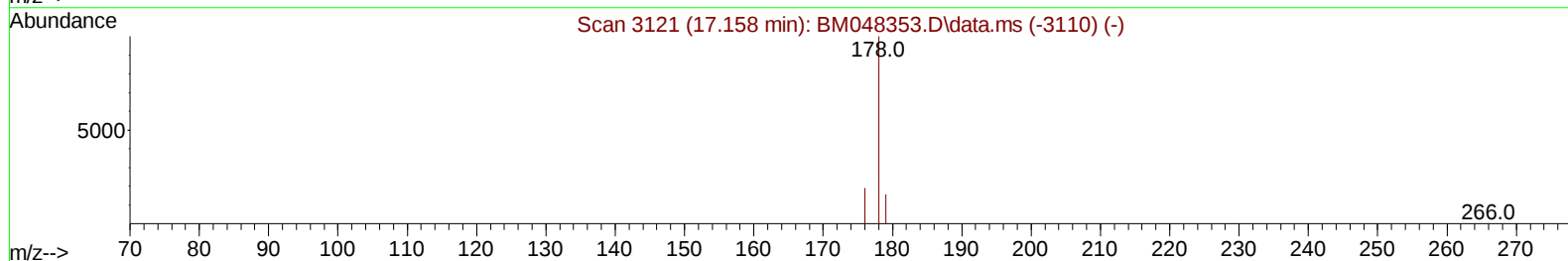
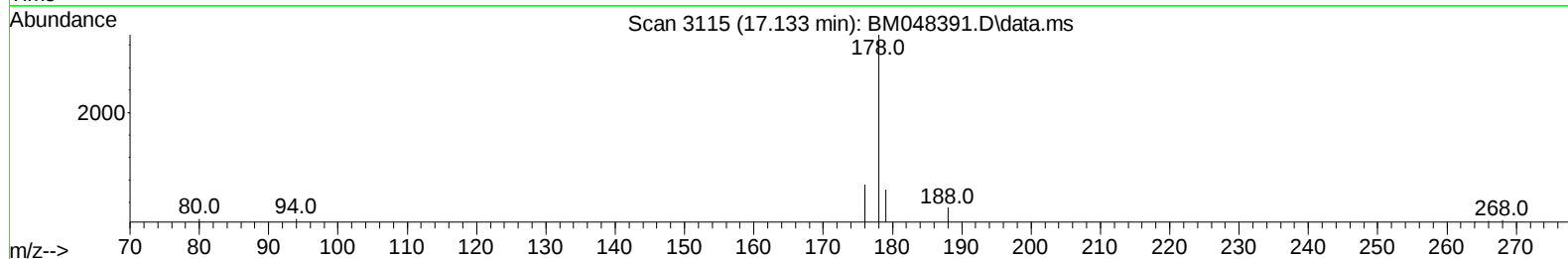
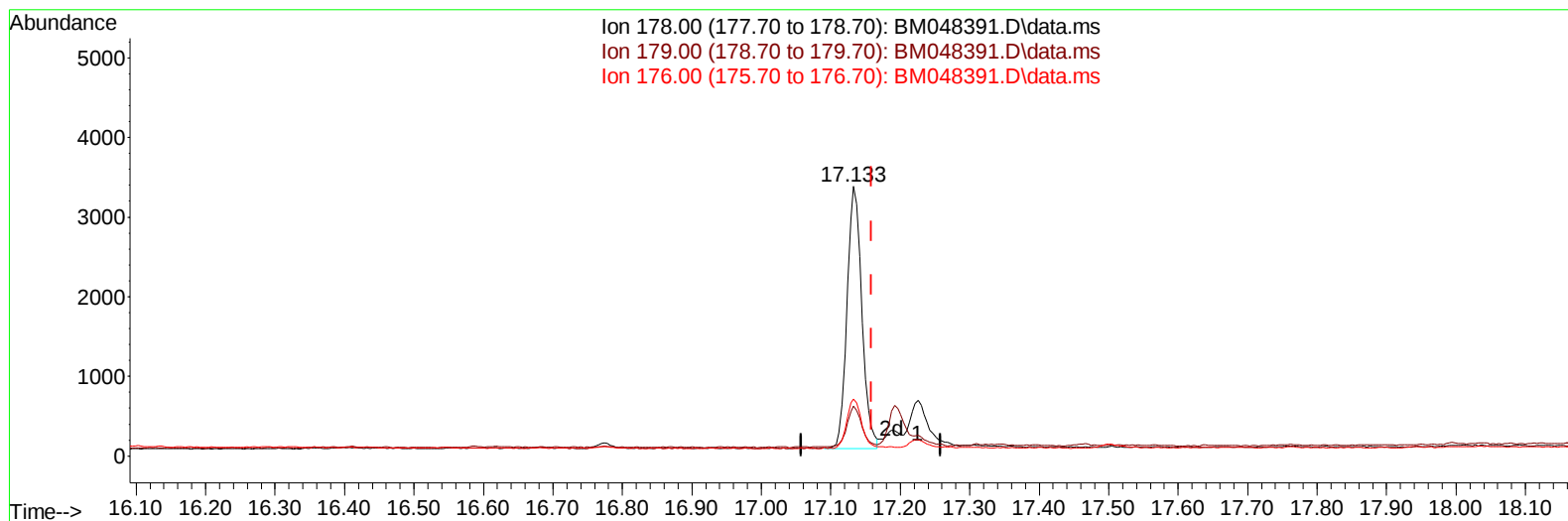
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 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: BM048391.D\data.ms

(15) Phenanthrene

17.133min (-0.025) 0.12 ng/u1 m

response 4872

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	18.62
176.00	20.00	21.25
0.00	0.00	0.00

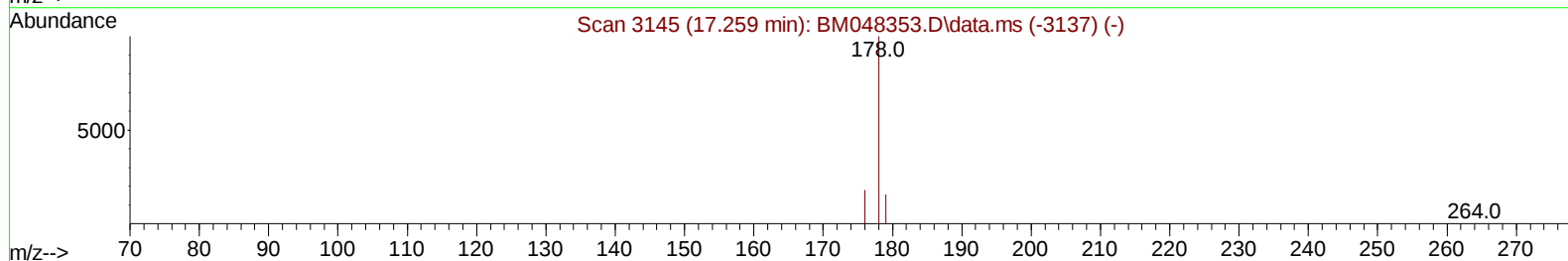
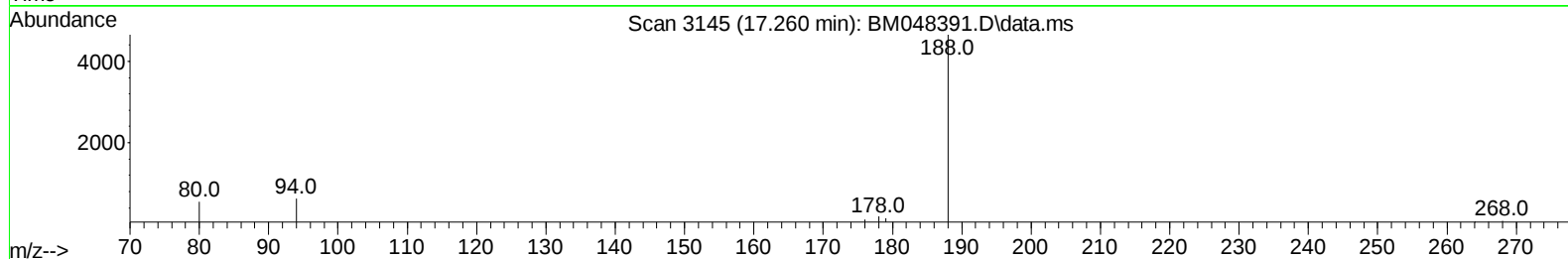
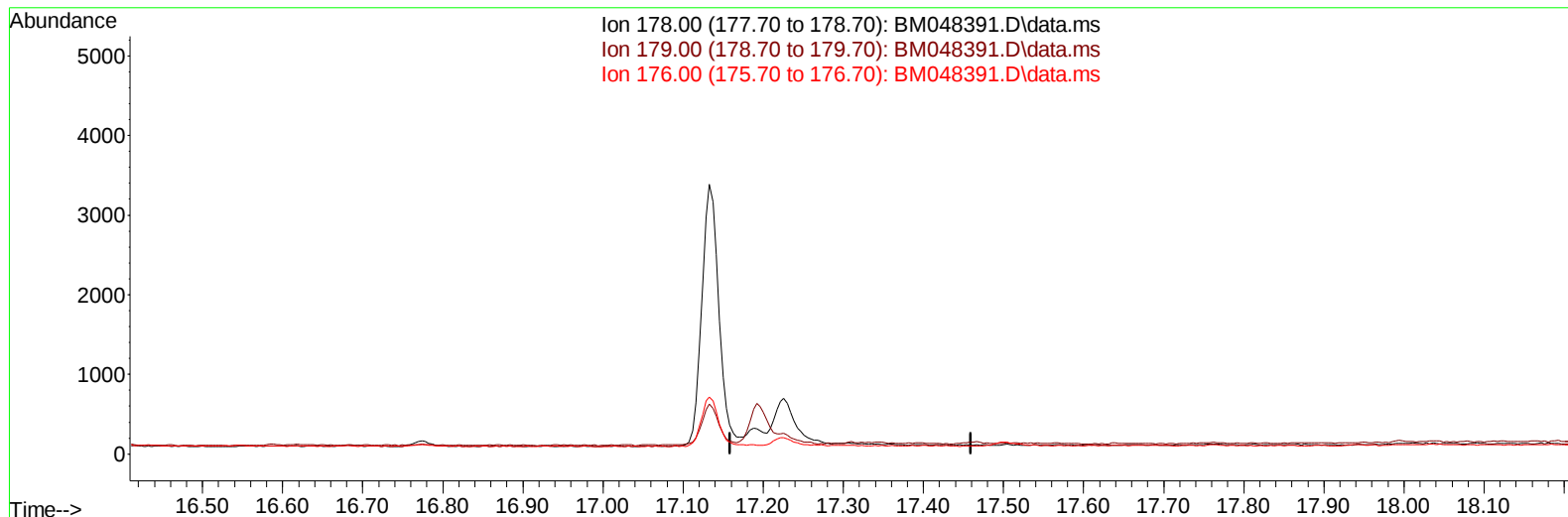
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
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TIC: BM048391.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

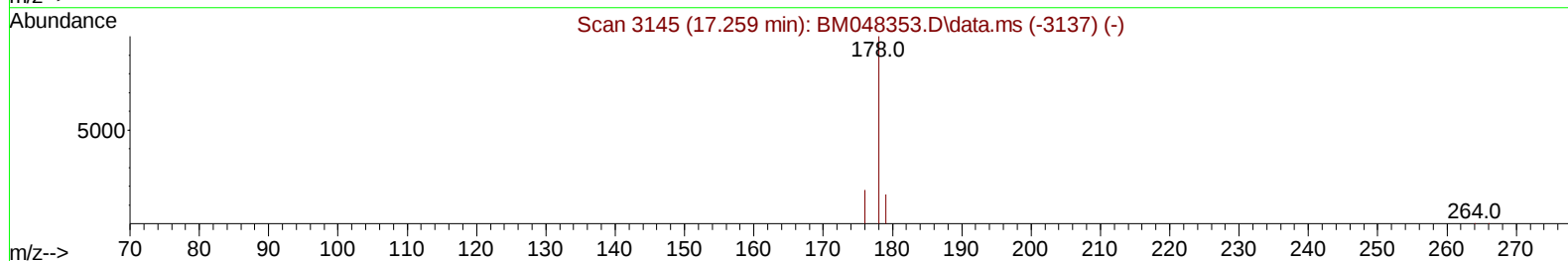
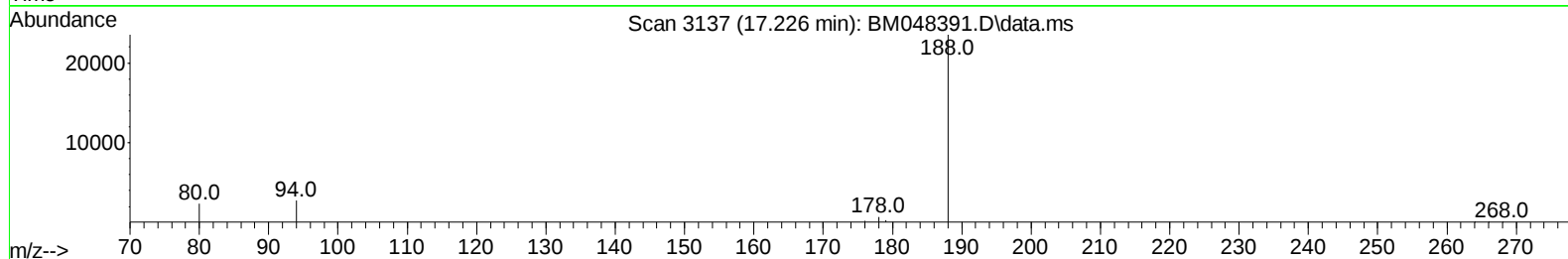
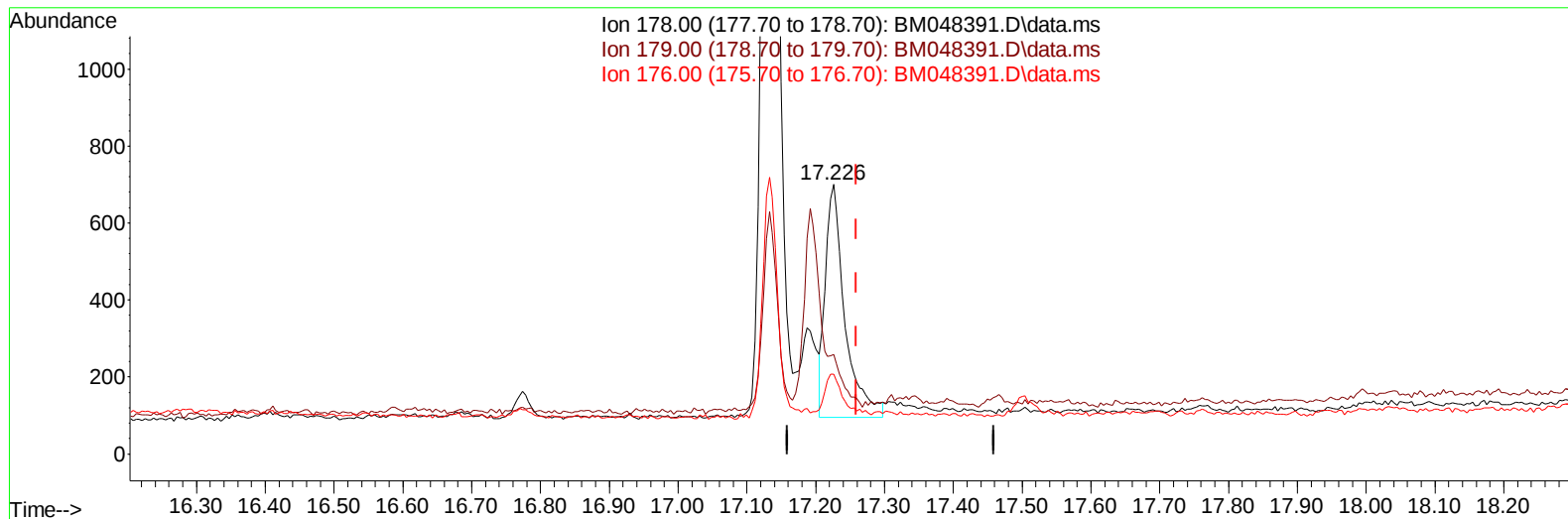
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 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

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



TIC: BM048391.D\data.ms

(16) Anthracene

17.226min (-0.034) 0.03 ng/u1 m

response 1190

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	36.86#
176.00	19.70	29.71#
0.00	0.00	0.00

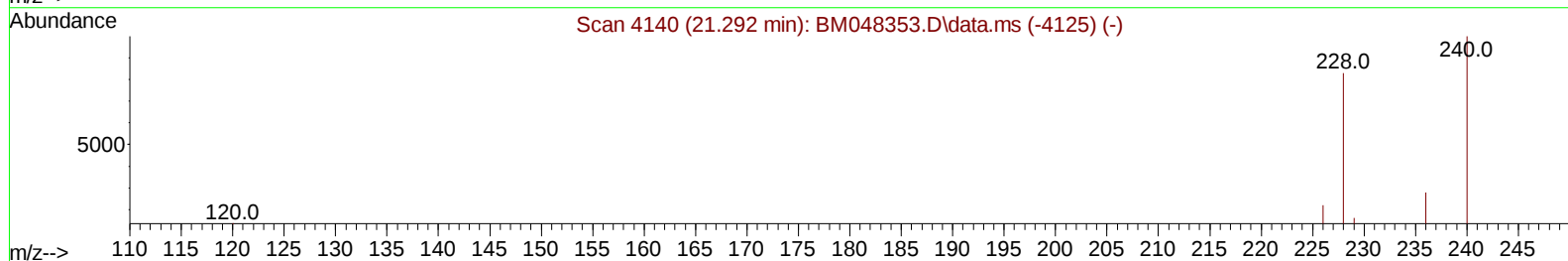
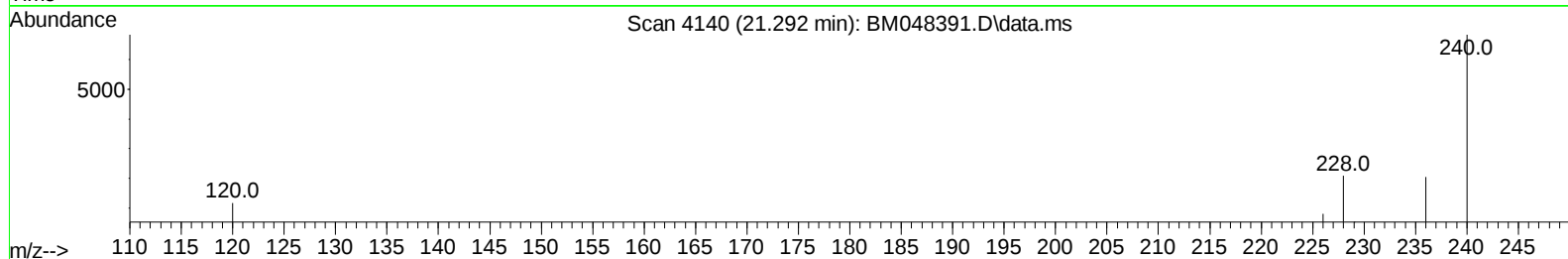
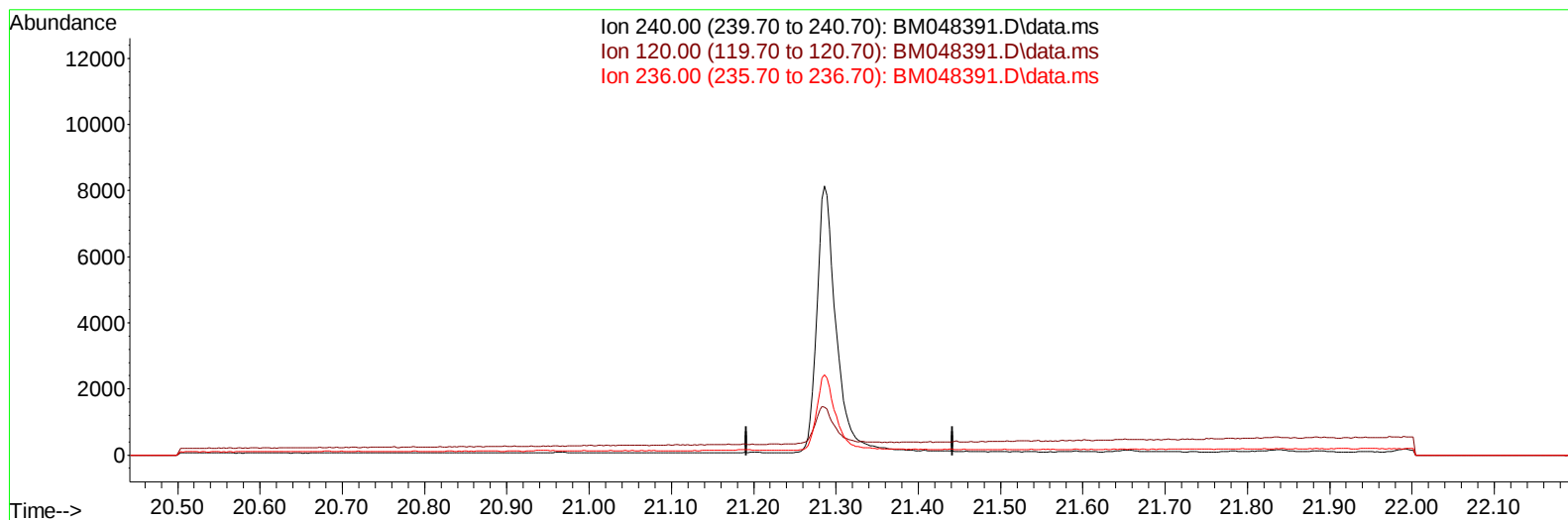
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 11/04/2024
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TIC: BM048391.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

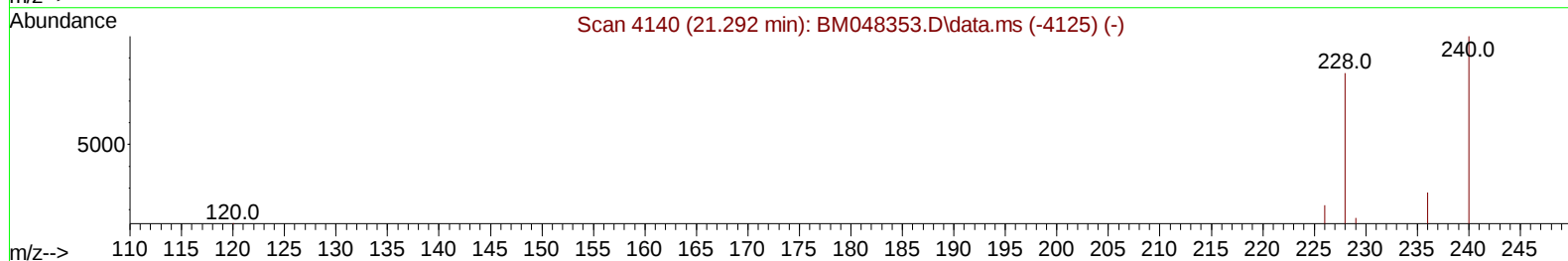
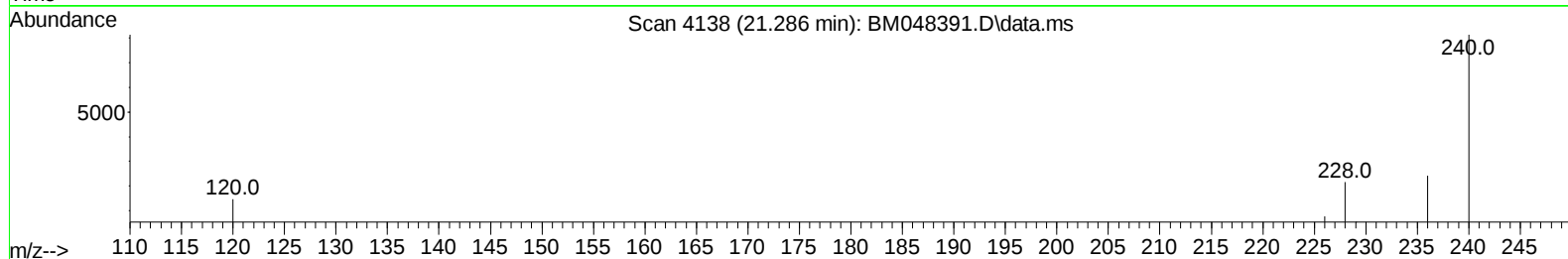
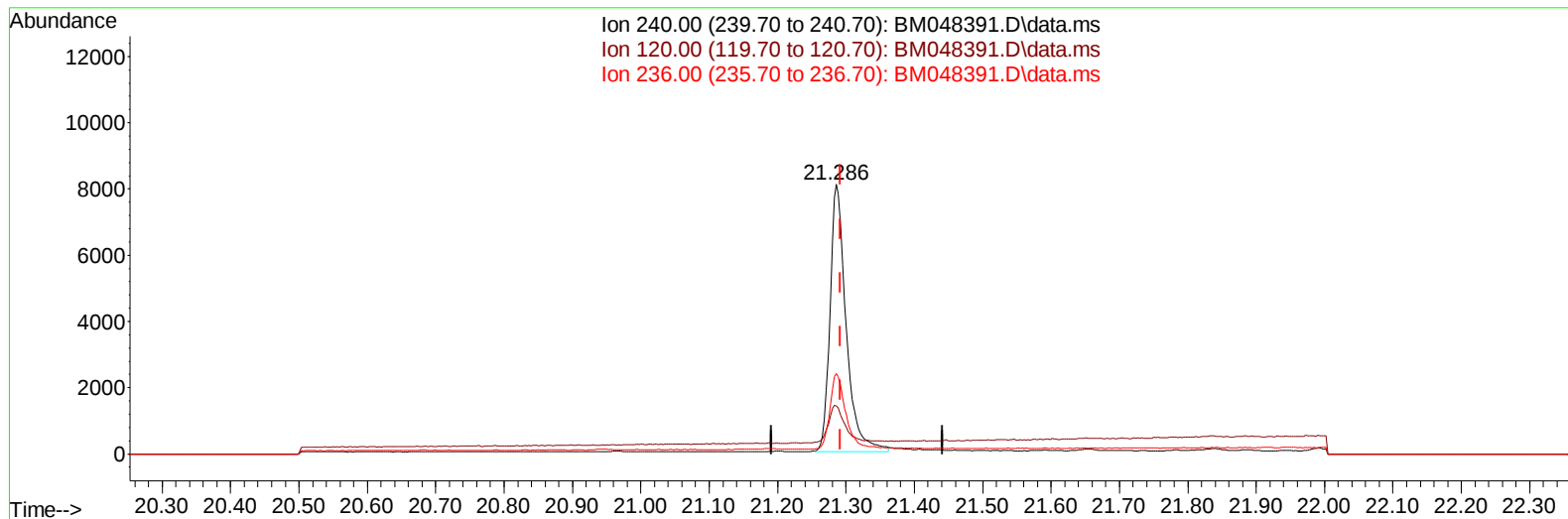
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 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: BM048391.D\data.ms

(17) Chrysene-d12

21.286min (-0.006) 0.40 ng/ul m

response 13122

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.00	17.86
236.00	29.90	29.76
0.00	0.00	0.00

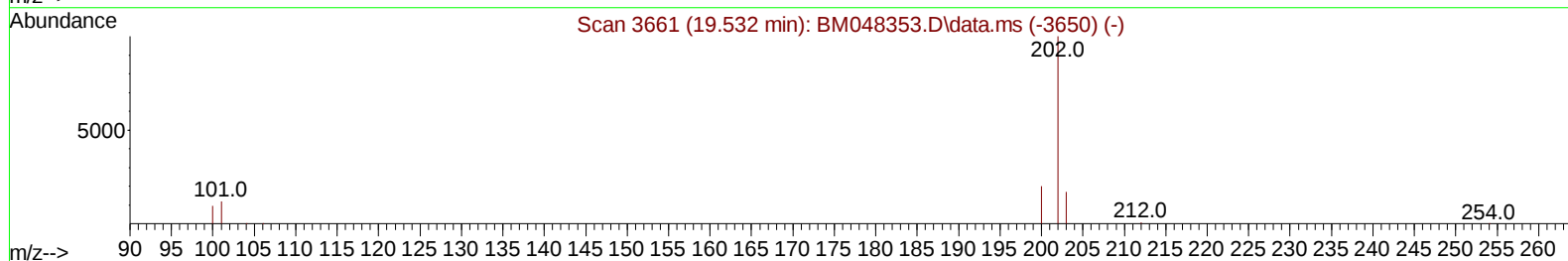
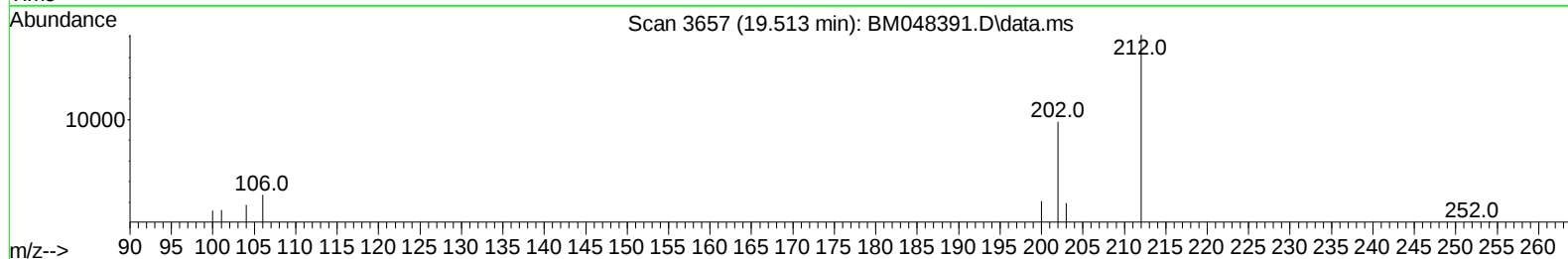
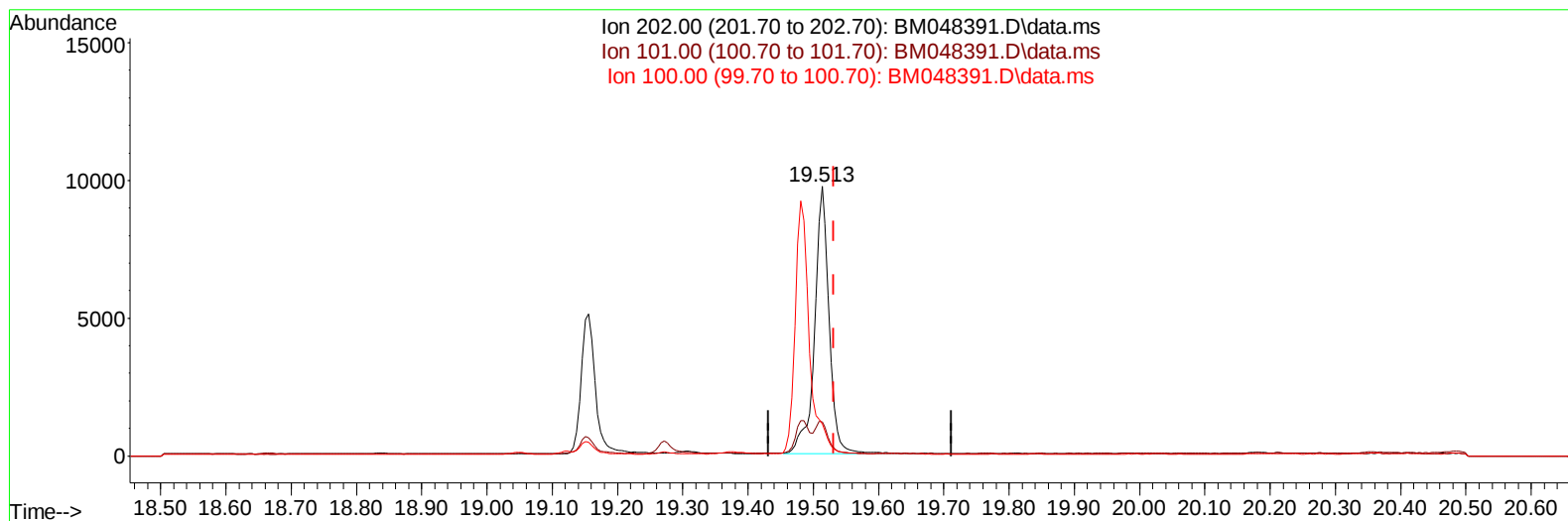
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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TIC: BM048391.D\data.ms

(20) Pyrene

19.513min (-0.018) 0.31 ng/u1

response 14909

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.50	12.72
100.00	10.00	11.89
0.00	0.00	0.00

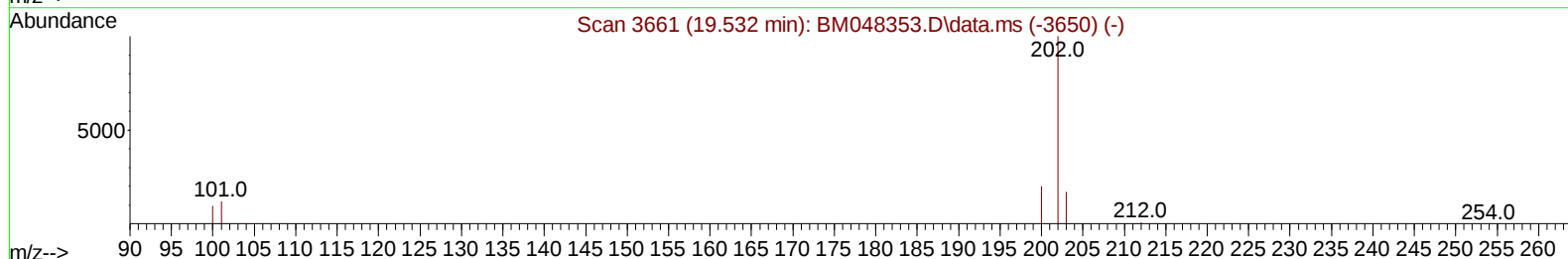
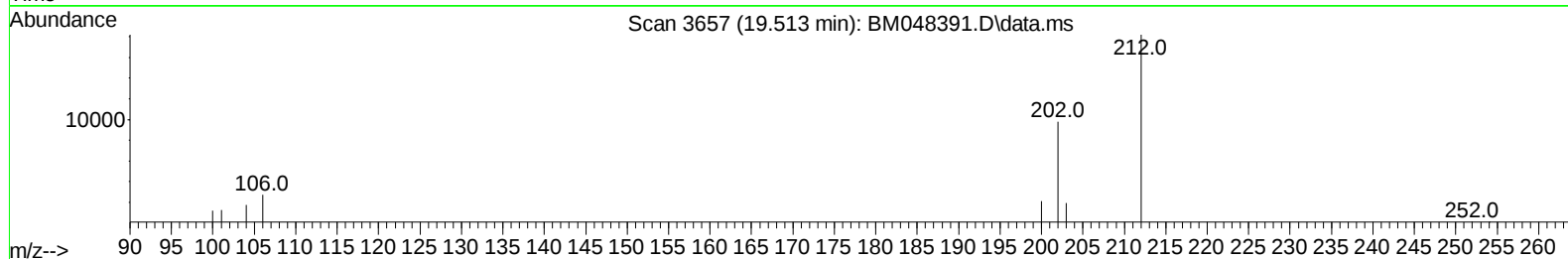
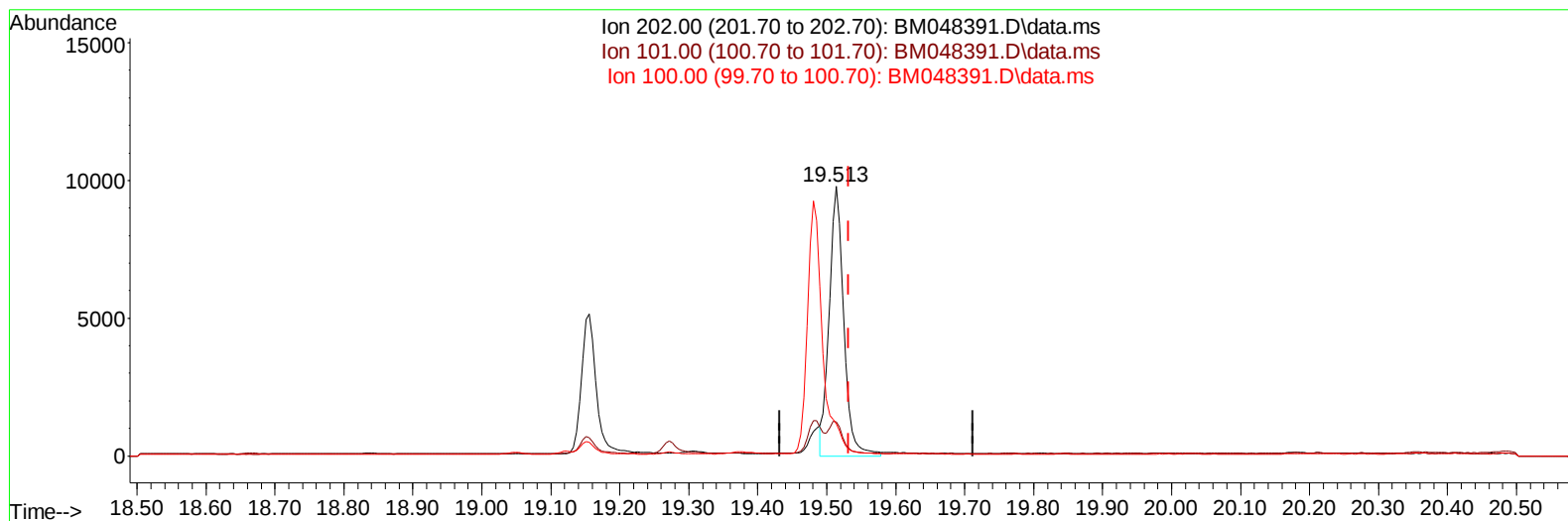
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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TIC: BM048391.D\data.ms

(20) Pyrene

19.513min (-0.018) 0.29 ng/u1 m

response 14233

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.50	12.72
100.00	10.00	11.89
0.00	0.00	0.00

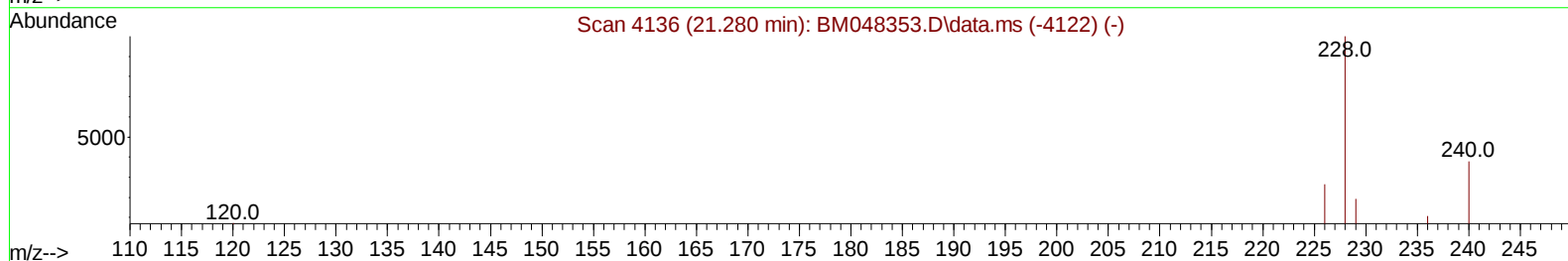
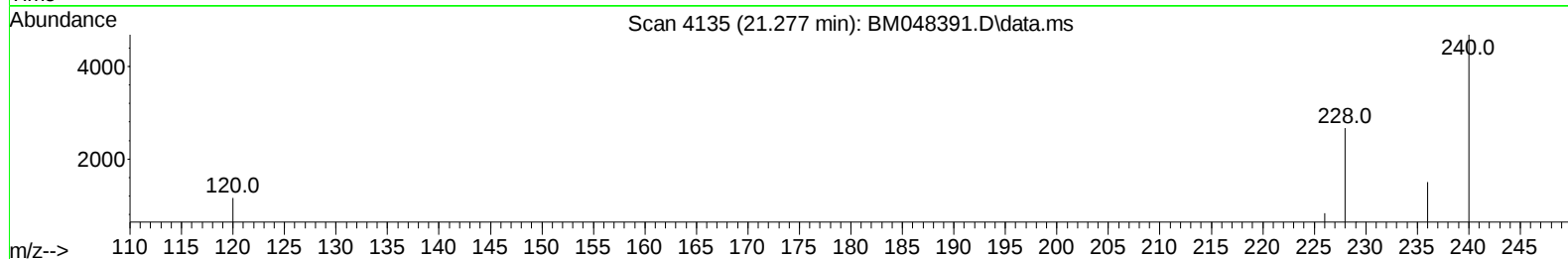
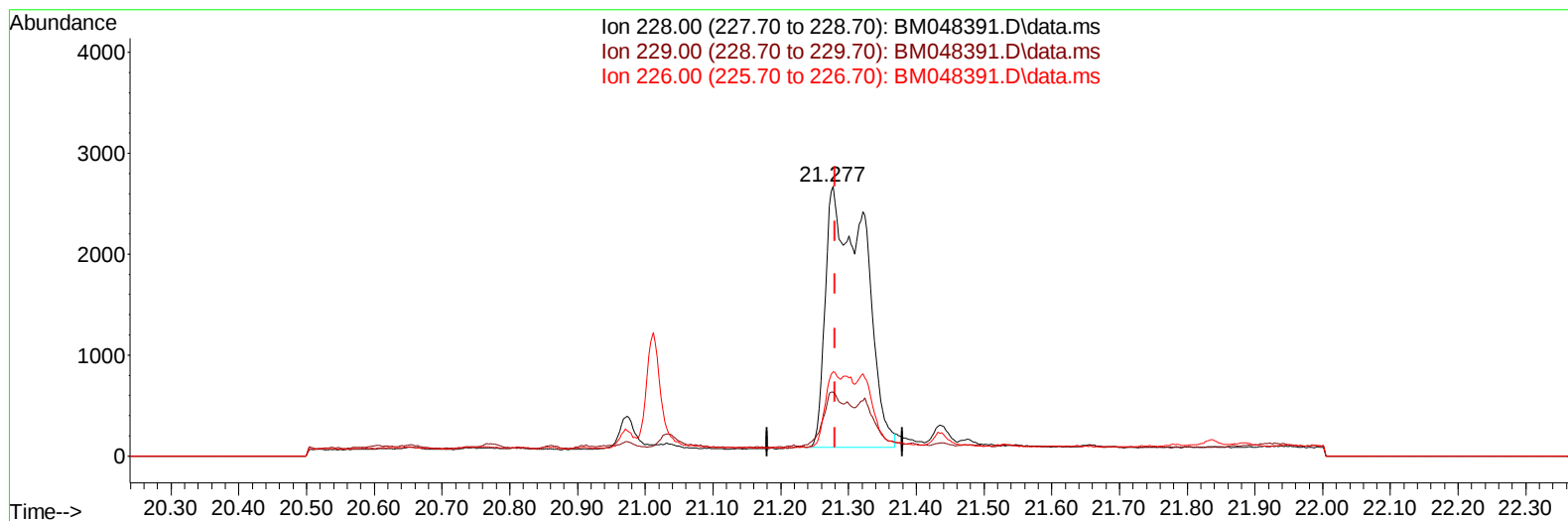
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048391.D\data.ms

(21) Benzo(a)anthracene

21.277min (-0.003) 0.26 ng/u1

response 10314

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	23.77
226.00	27.60	31.19
0.00	0.00	0.00

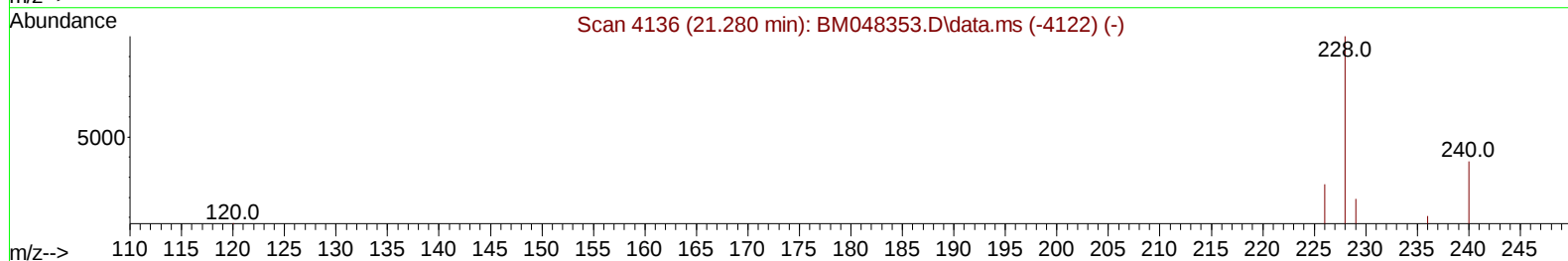
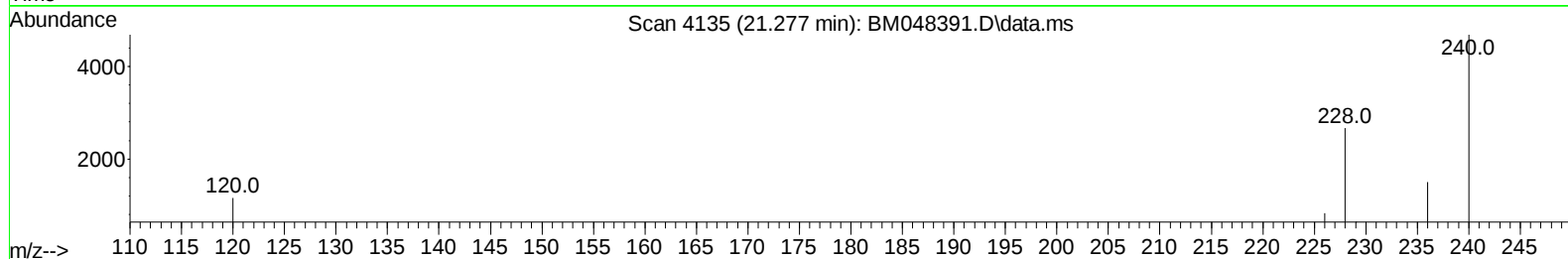
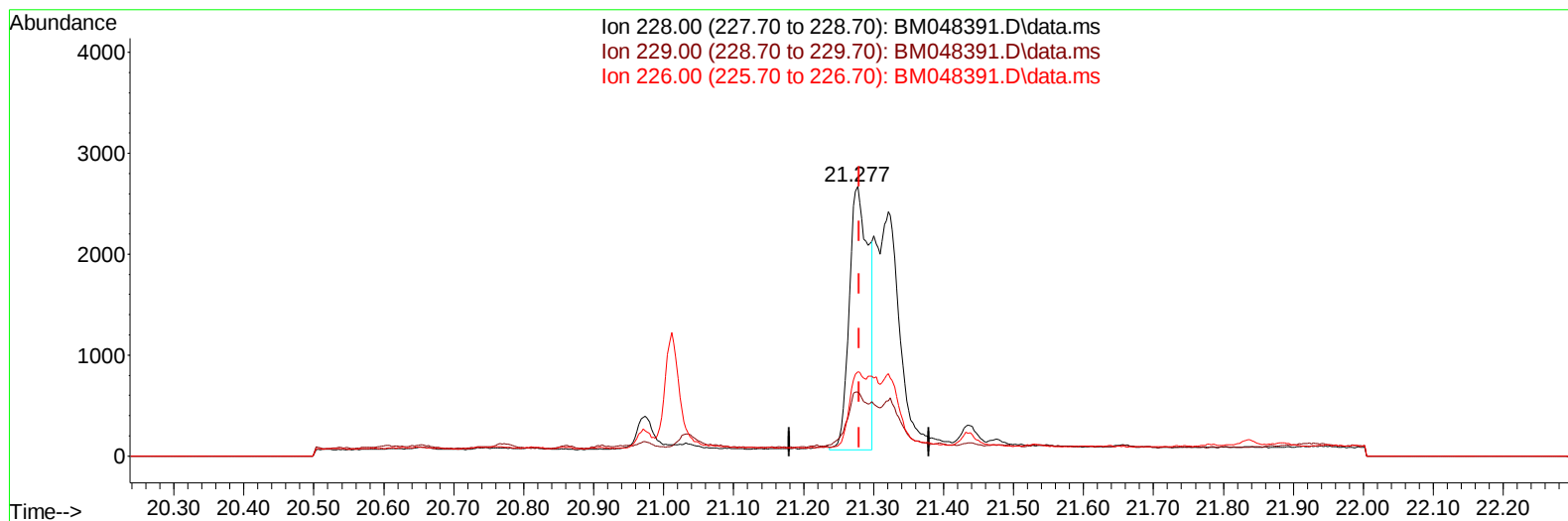
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048391.D\data.ms

(21) Benzo(a)anthracene

21.277min (-0.003) 0.13 ng/u1 m

response 5043

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	23.77
226.00	27.60	31.19
0.00	0.00	0.00

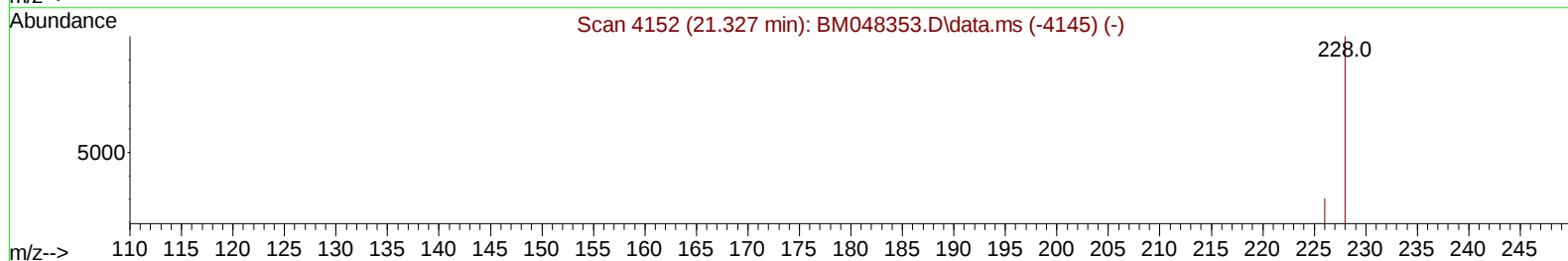
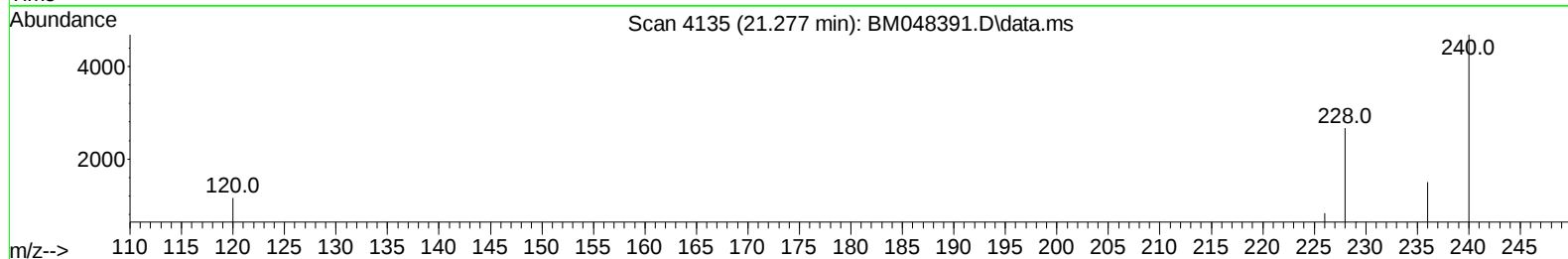
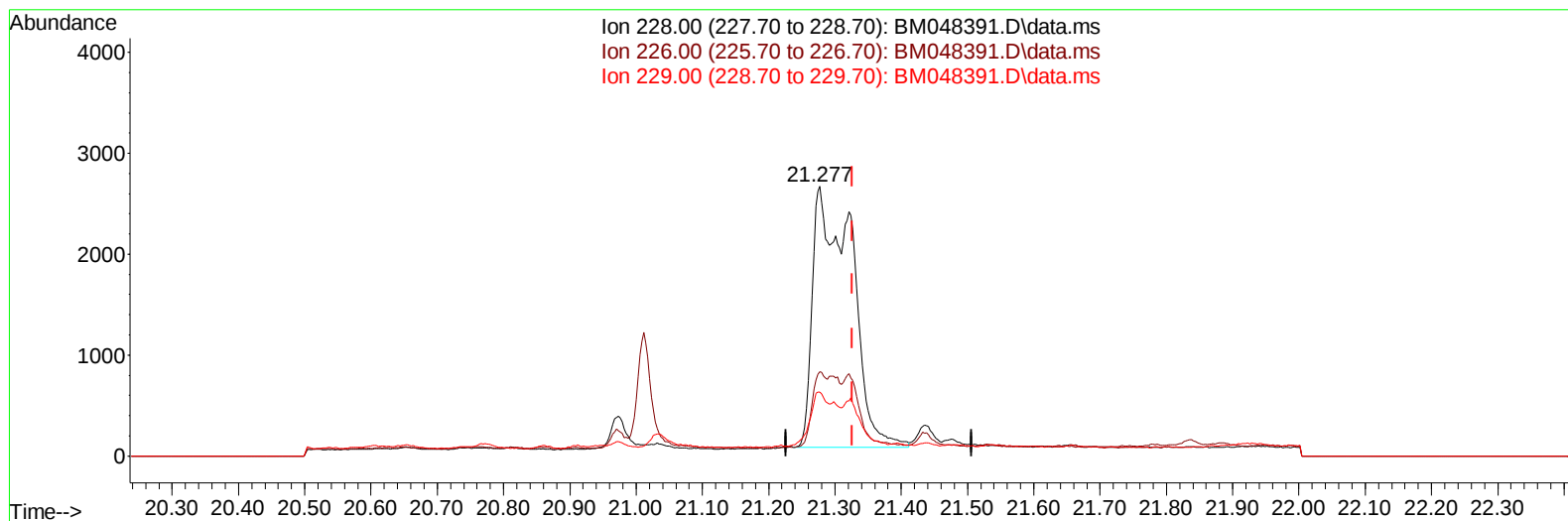
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048391.D\data.ms

(22) Chrysene

21.277min (-0.050) 0.19 ng/u1

response 10546

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	31.19
229.00	19.90	23.77
0.00	0.00	0.00

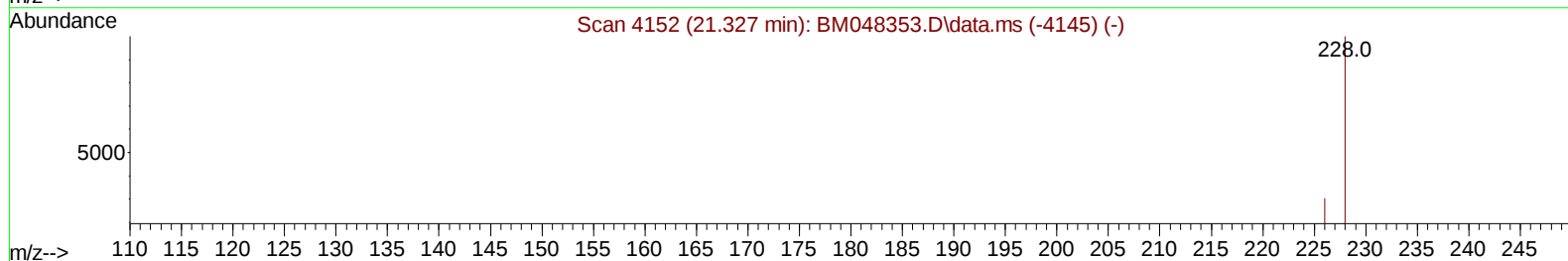
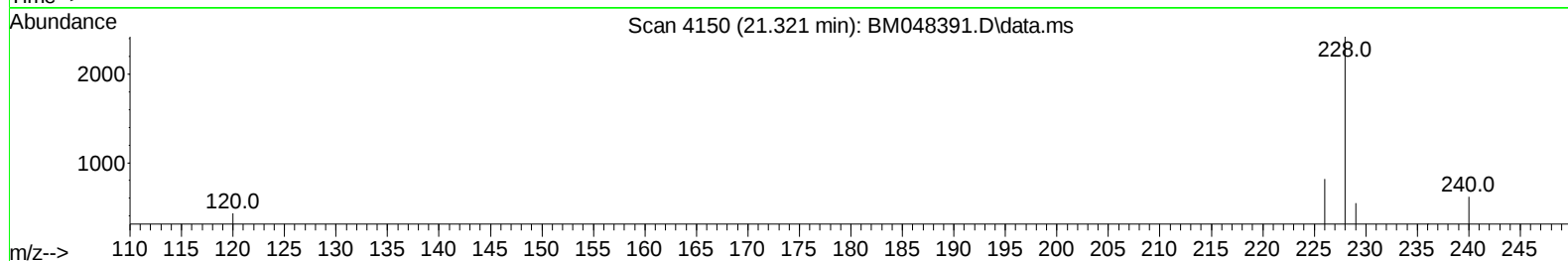
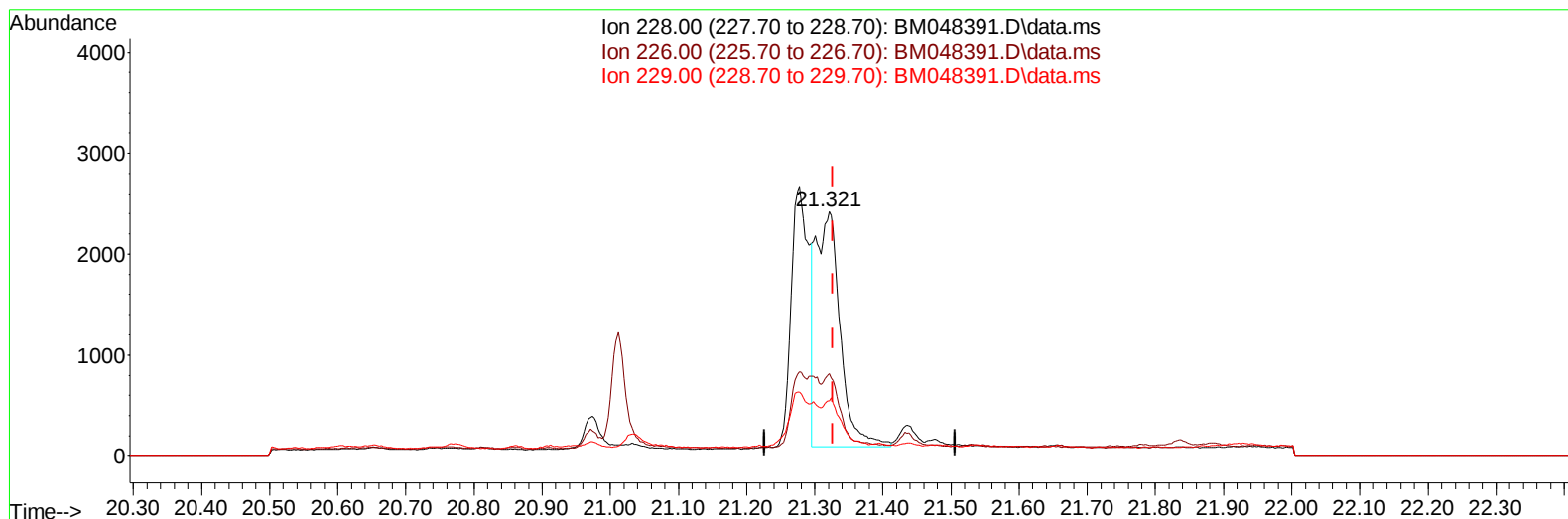
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 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: BM048391.D\data.ms

(22) Chrysene

21.321min (-0.006) 0.11 ng/u1 m

response 5882

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	33.62
229.00	19.90	22.48
0.00	0.00	0.00

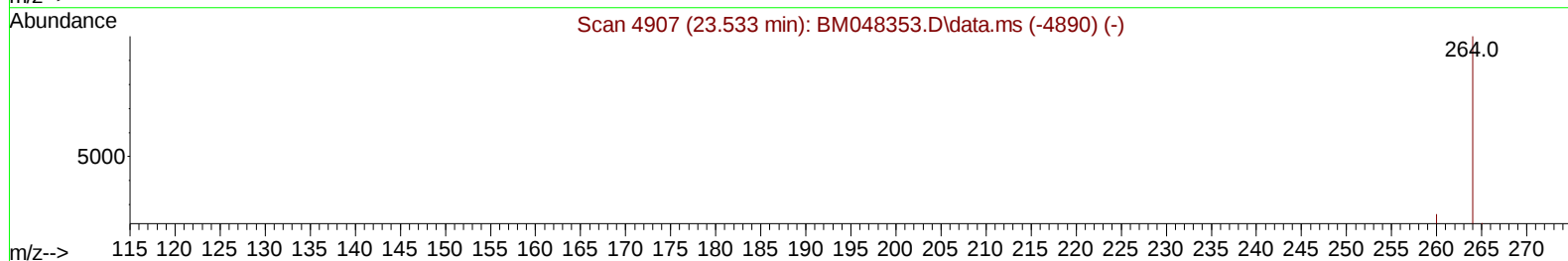
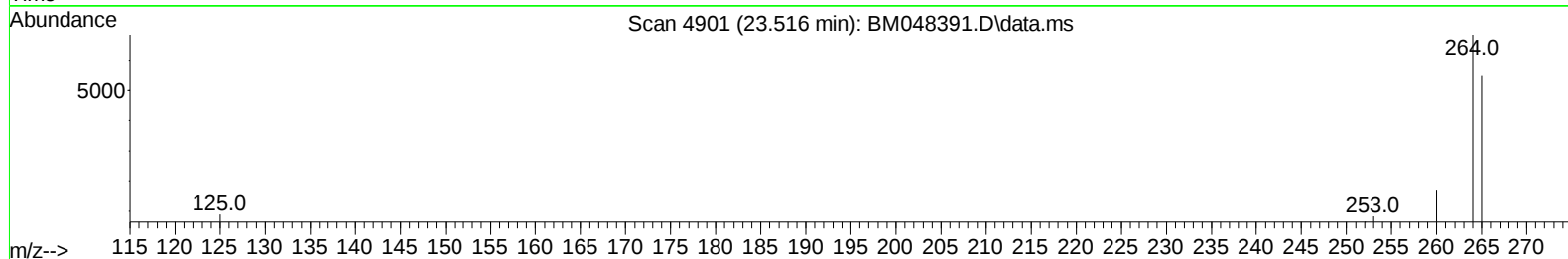
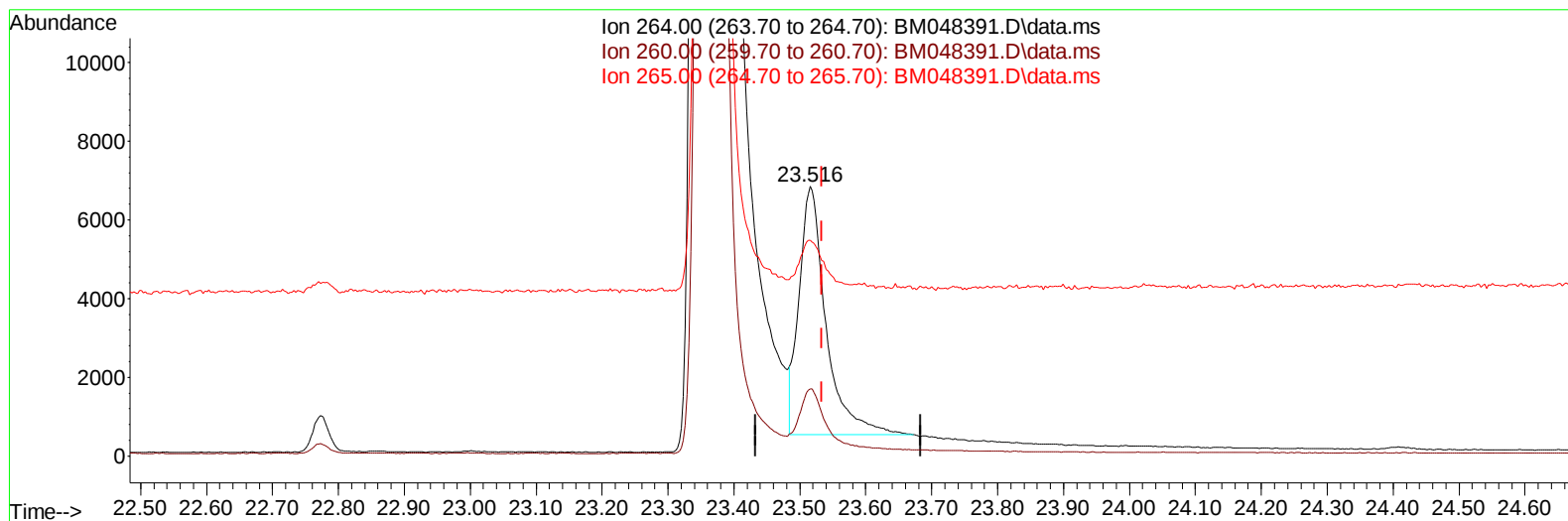
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

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TIC: BM048391.D\data.ms

(23) Perylene-d12 (I)

23.516min (-0.017) 0.40 ng/u1

response 17870

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	24.93
265.00	120.80	80.00#
0.00	0.00	0.00

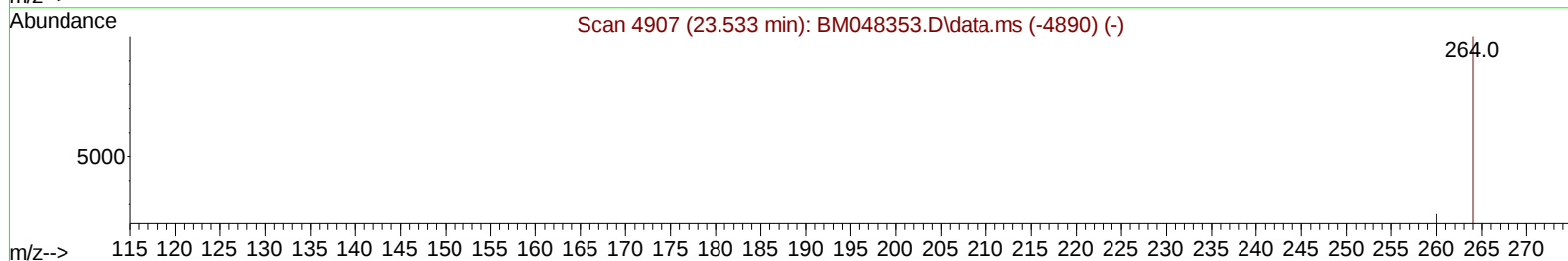
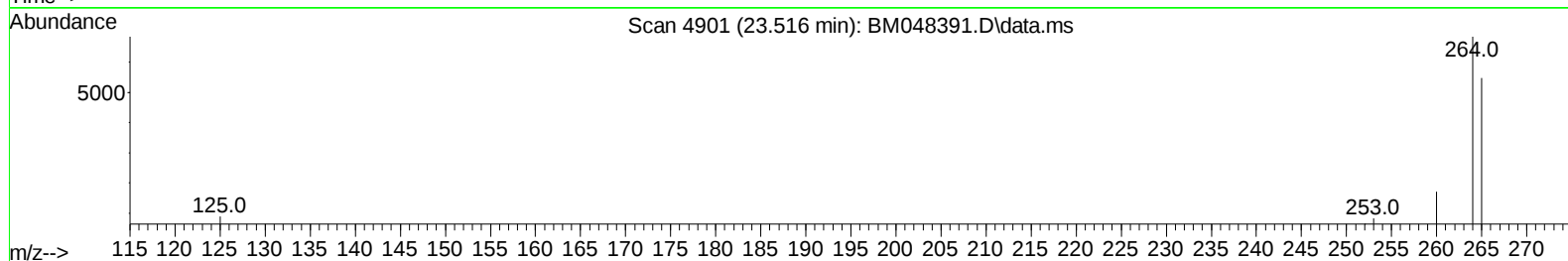
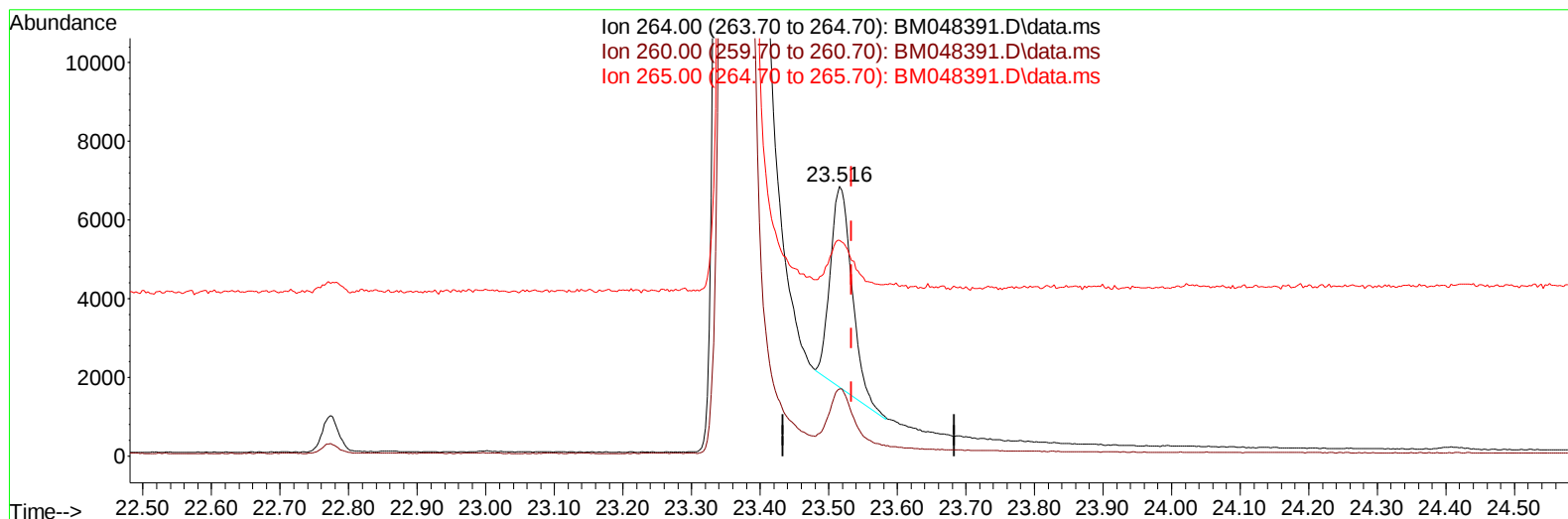
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
 Data File : BM048391.D
 Acq On : 01 Nov 2024 12:34
 Operator : RC/JU
 Sample : P4592-10
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 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: BM048391.D\data.ms

(23) Perylene-d12 (I)

23.516min (-0.017) 0.40 ng/ul m

response 11228

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	24.93
265.00	120.80	80.00#
0.00	0.00	0.00

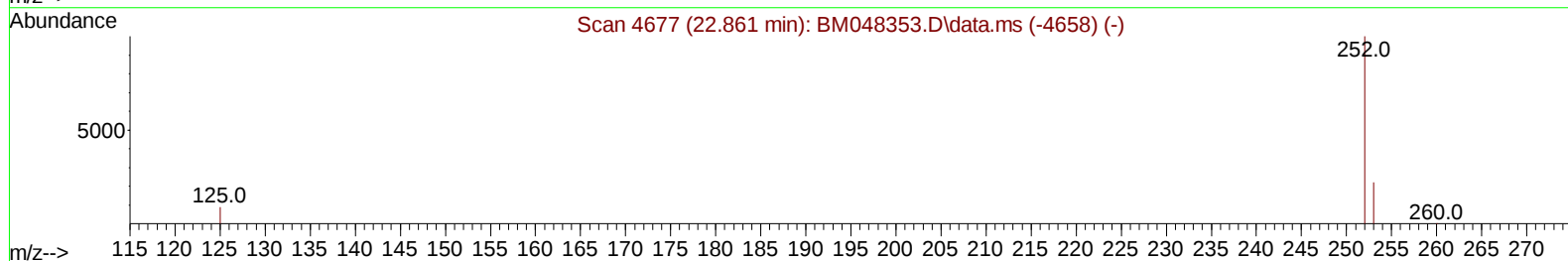
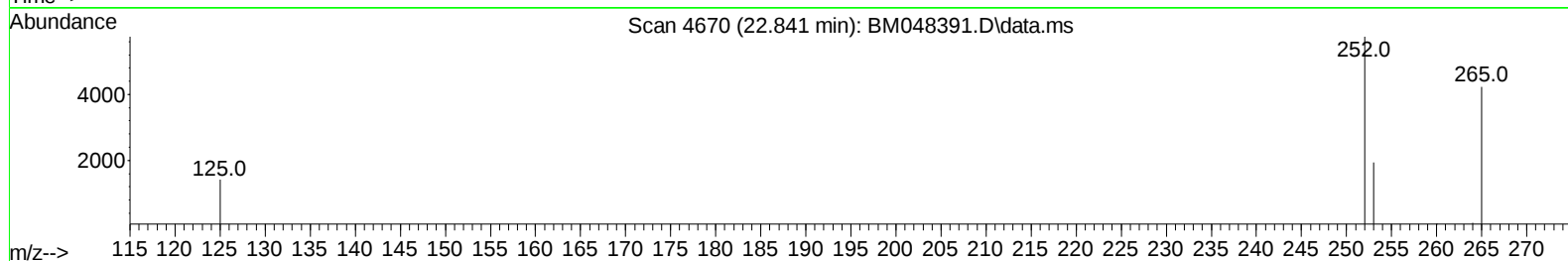
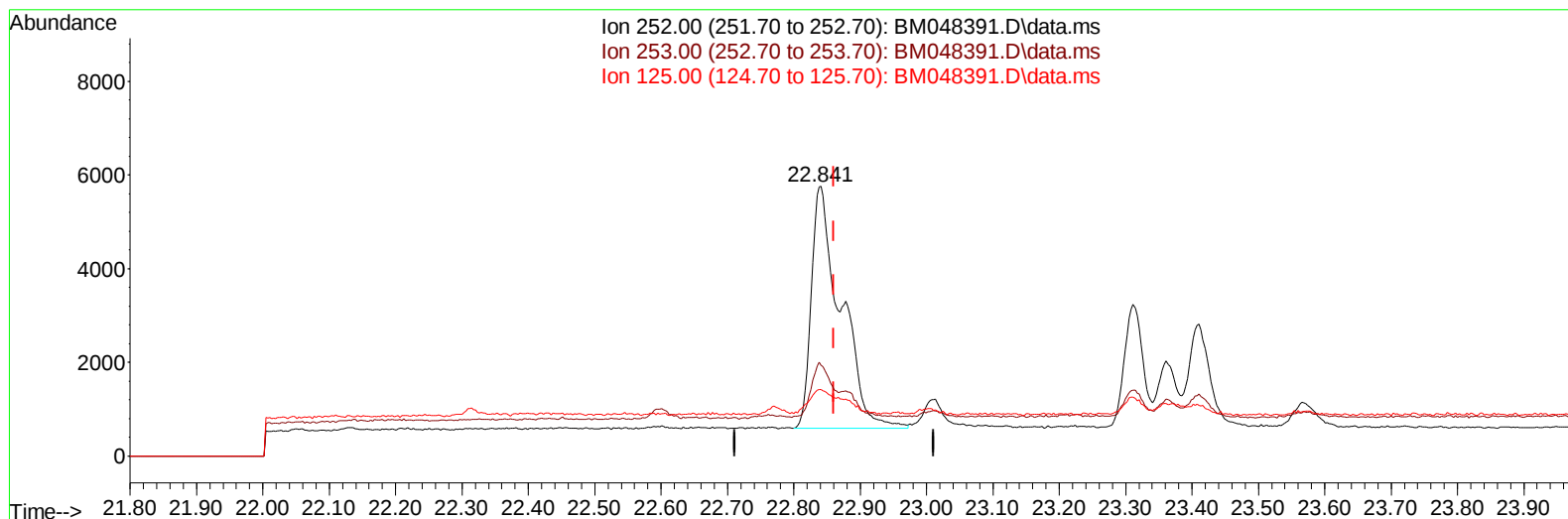
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
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TIC: BM048391.D\data.ms

(24) Benzo(b)fluoranthene

22.841min (-0.020) 0.41 ng/u1

response 15822

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	33.66
125.00	19.00	24.62
0.00	0.00	0.00

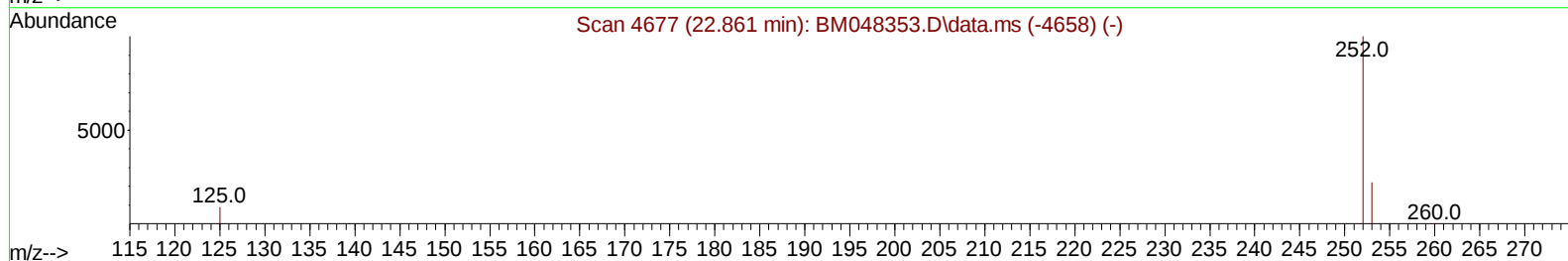
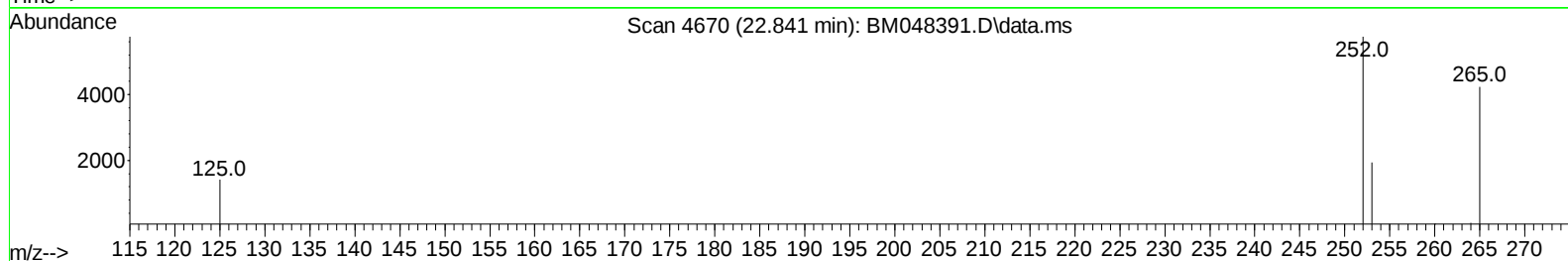
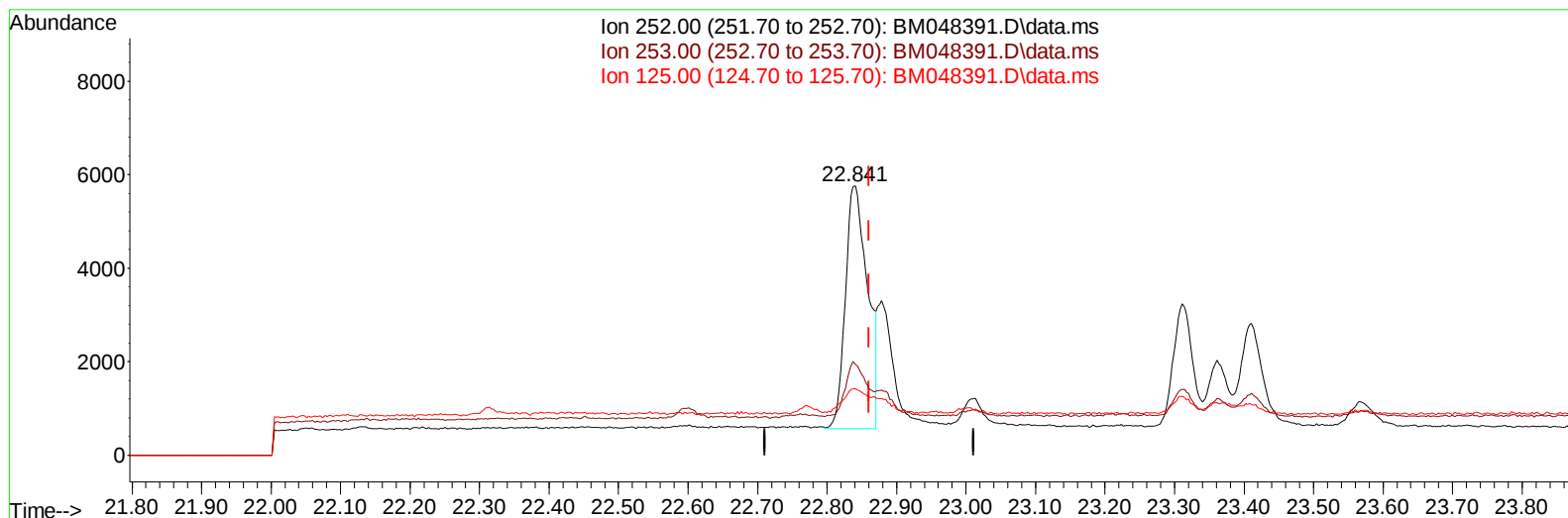
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

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

Quant Time: Nov 03 21:49:14 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



TIC: BM048391.D\data.ms

(24) Benzo(b)fluoranthene

22.841min (-0.020) 0.30 ng/u1 m

response 11464

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	33.66
125.00	19.00	24.62
0.00	0.00	0.00

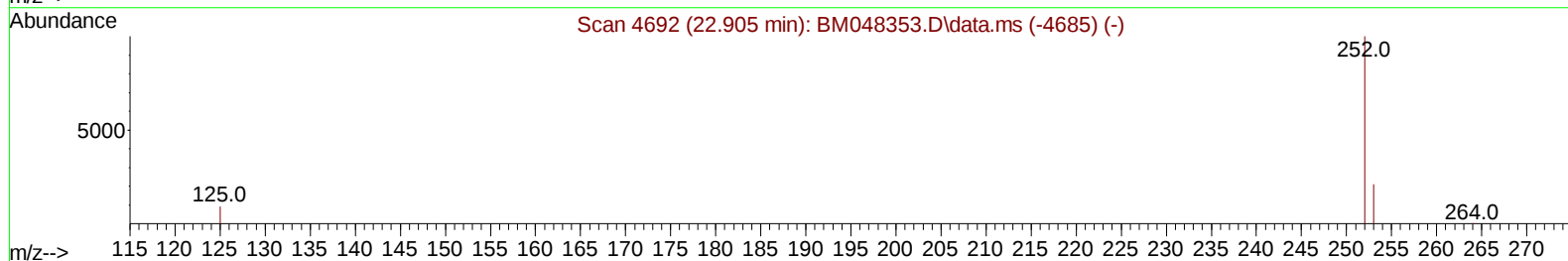
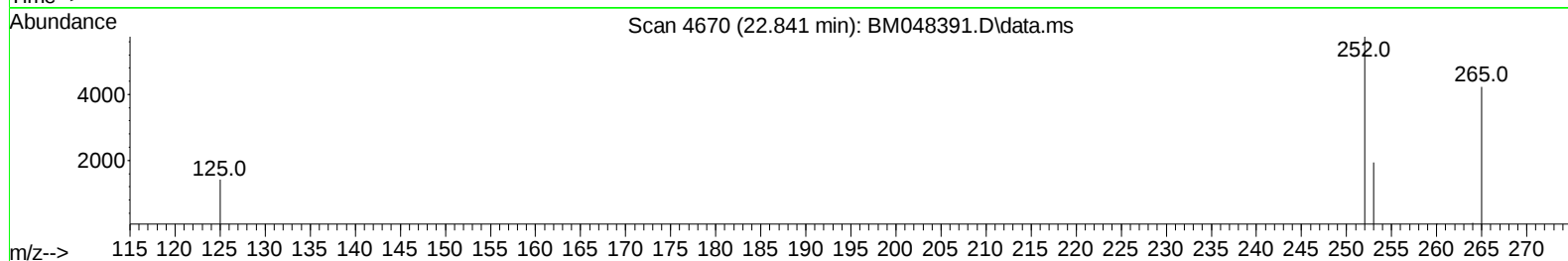
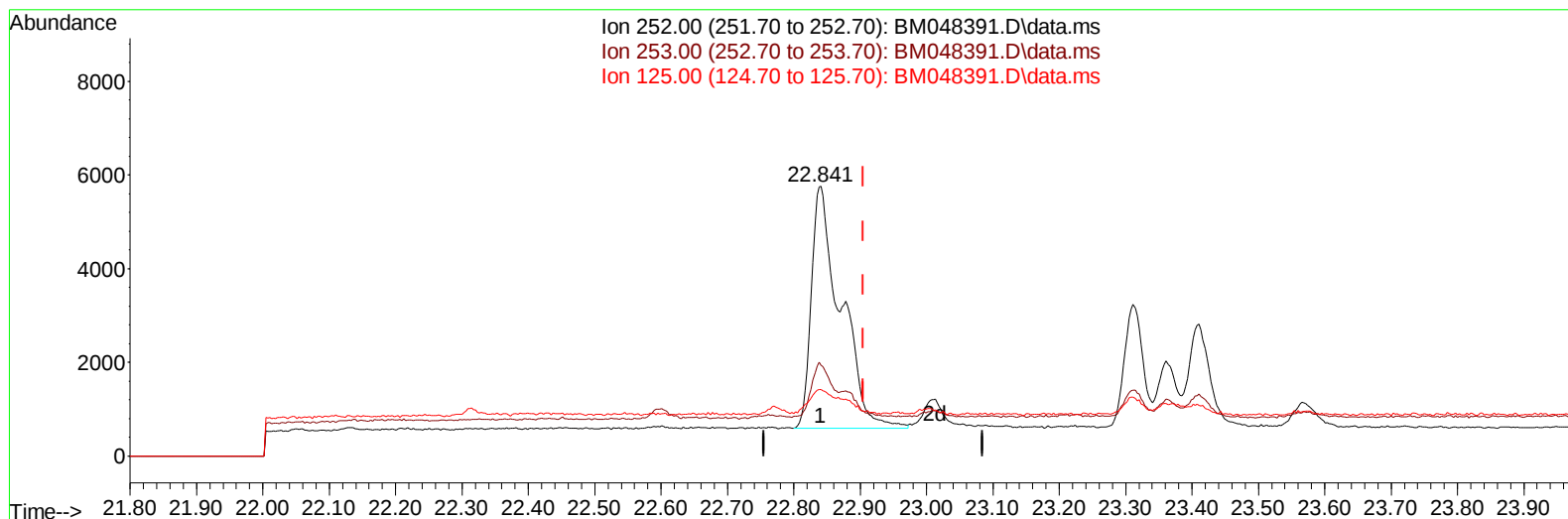
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

Quant Time: Nov 03 21:49:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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QLast Update : Thu Oct 31 14:58:12 2024
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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048391.D\data.ms

(25) Benzo(k)fluoranthene

22.841min (-0.064) 0.35 ng/u1

response 15822

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	33.66
125.00	19.10	24.62#
0.00	0.00	0.00

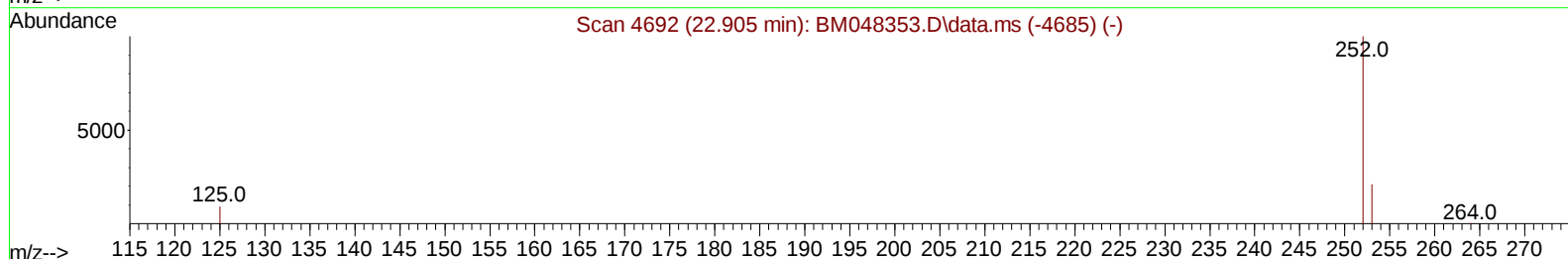
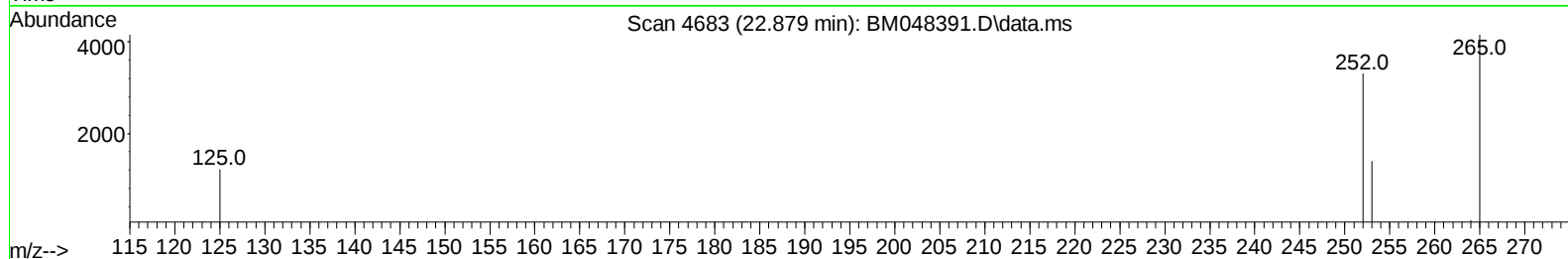
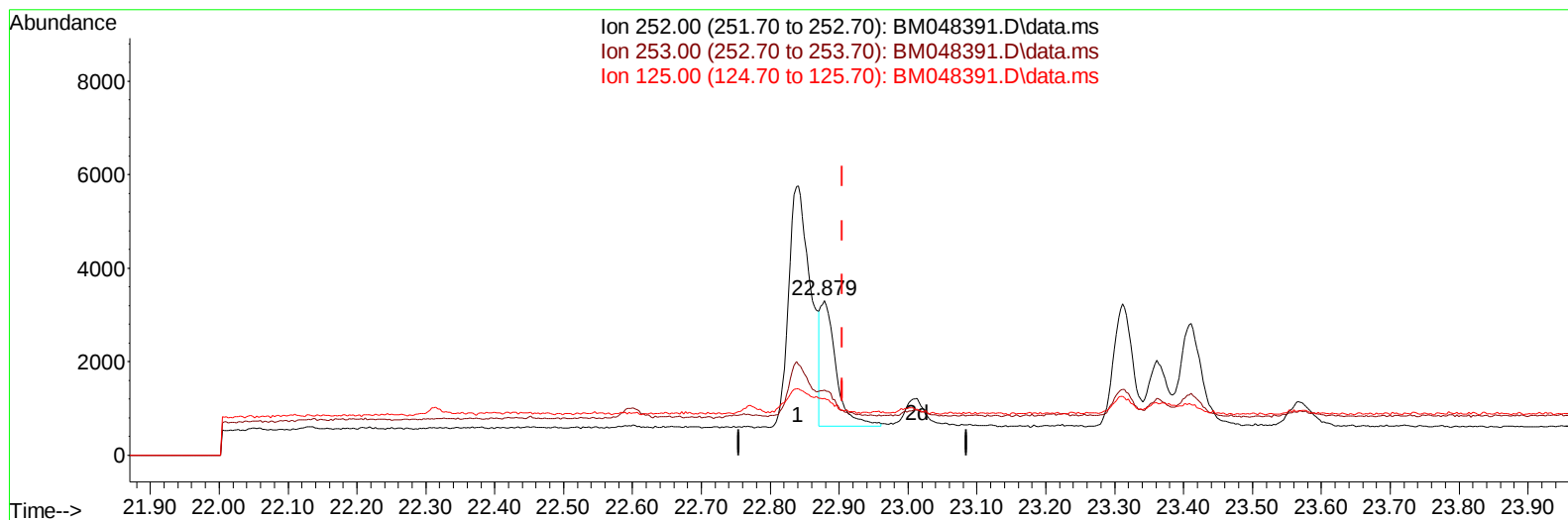
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048391.D
Acq On : 01 Nov 2024 12:34
Operator : RC/JU
Sample : P4592-10
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H18

Manual IntegrationsAPPROVED

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TIC: BM048391.D\data.ms

(25) Benzo(k)fluoranthene

22.879min (-0.026) 0.09 ng/u1 m

response 4263

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	42.23#
125.00	19.10	36.69#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
 Data File : BM048391.D
 Acq On : 01 Nov 2024 12:34
 Operator : RC/JU
 Sample : P4592-10
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7H18

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
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Quant Time: Nov 03 21:49:14 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.708	152		4627	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.491	136		15078	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.349	164		8223	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.095	188		16577m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.286	240		13122m	0.400	ng/ul	0.00
23) Perylene-d12	23.516	264		11228m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.164	96		18351	3.229	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.119	152		4260	0.222	ng/ul	-0.02
18) Fluoranthene-d10	19.123	212		10086	0.303	ng/ul	-0.01
Target Compounds					Qvalue		
5) Naphthalene	10.541	128		15166	0.385	ng/ul	97
7) 2-Methylnaphthalene	12.190	142		1169	0.050	ng/ul	97
8) 1-Methylnaphthalene	12.405	142		786	0.031	ng/ul	94
10) Acenaphthylene	14.072	152		892	0.028	ng/ul#	70
11) Acenaphthene	14.414	153		1501	0.059	ng/ul	97
12) Fluorene	15.404	166		1474	0.052	ng/ul#	98
15) Phenanthrene	17.133	178		4872m	0.118	ng/ul	
16) Anthracene	17.226	178		1190m	0.031	ng/ul	
19) Fluoranthene	19.156	202		7742	0.171	ng/ul	96
20) Pyrene	19.513	202		14233m	0.293	ng/ul	
21) Benzo(a)anthracene	21.277	228		5043m	0.128	ng/ul	
22) Chrysene	21.321	228		5882m	0.109	ng/ul	
24) Benzo(b)fluoranthene	22.841	252		11464m	0.299	ng/ul	
25) Benzo(k)fluoranthene	22.879	252		4263m	0.094	ng/ul	
26) Benzo(a)pyrene	23.411	252		4639	0.129	ng/ul#	78
27) Indeno(1,2,3-cd)pyrene	25.819	276		3561	0.071	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.826	278		930	0.024	ng/ul#	1
29) Benzo(g,h,i)perylene	26.513	276		3173	0.075	ng/ul#	79

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

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