

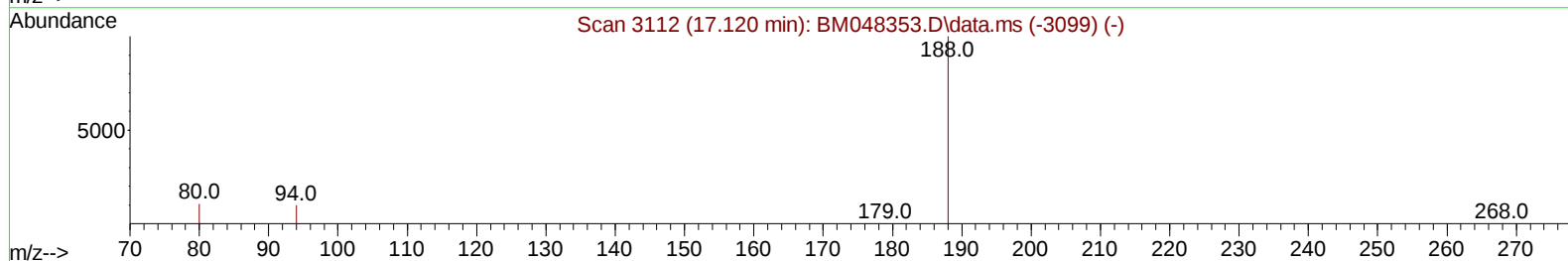
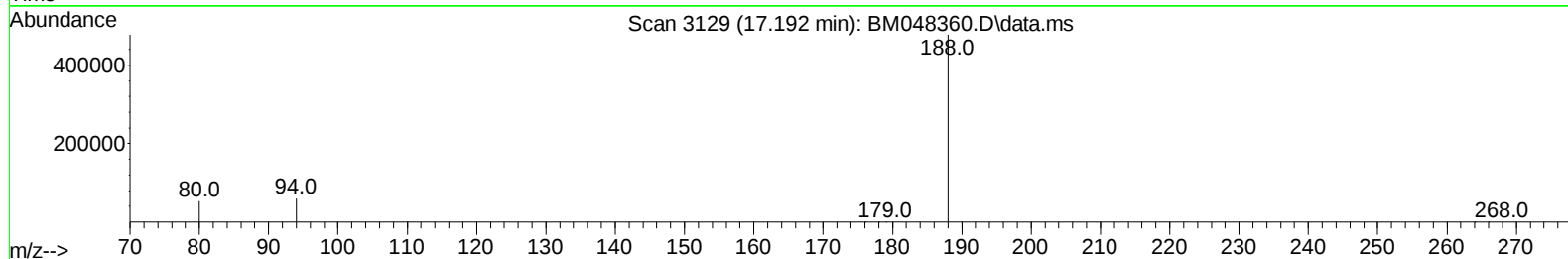
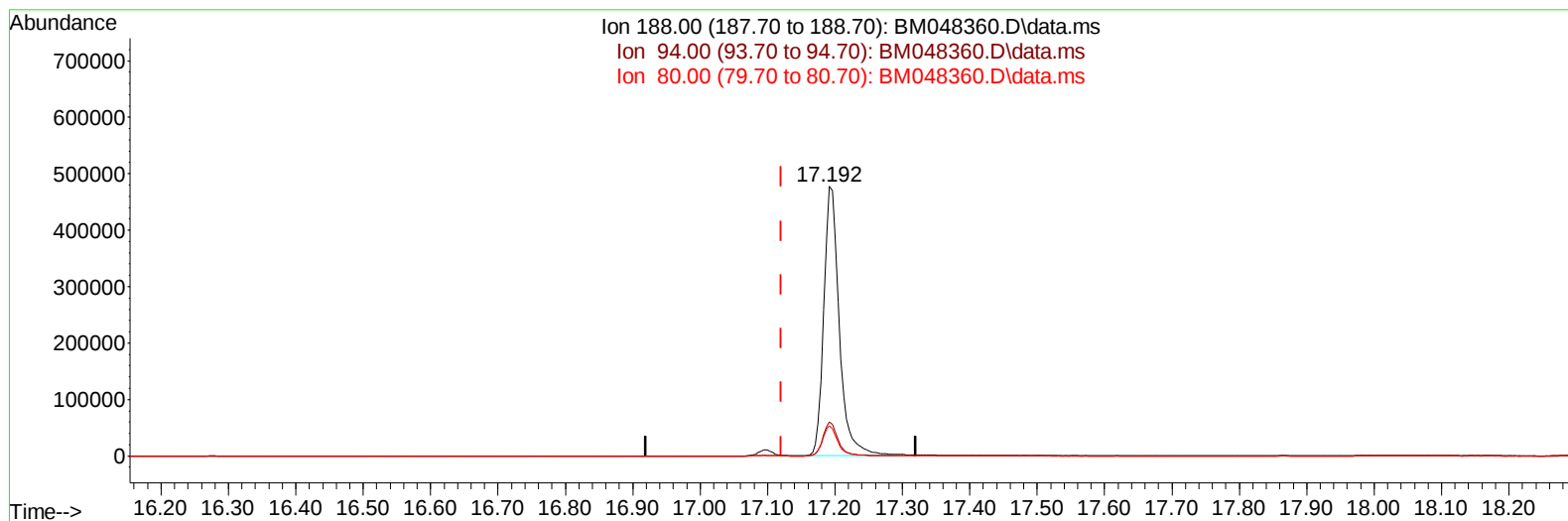
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(13) Phenanthrene-d10 (I)

17.192min (+ 0.072) 0.40 ng/u1

response 765207

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	12.68
80.00	12.10	11.12
0.00	0.00	0.00

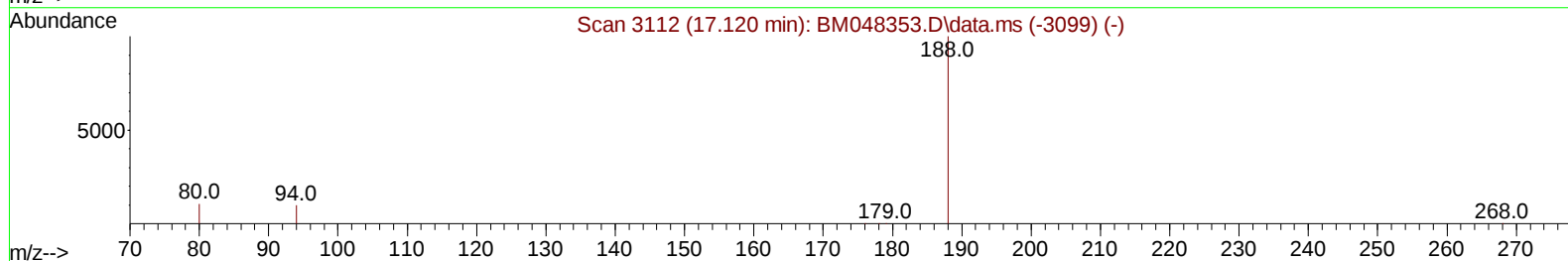
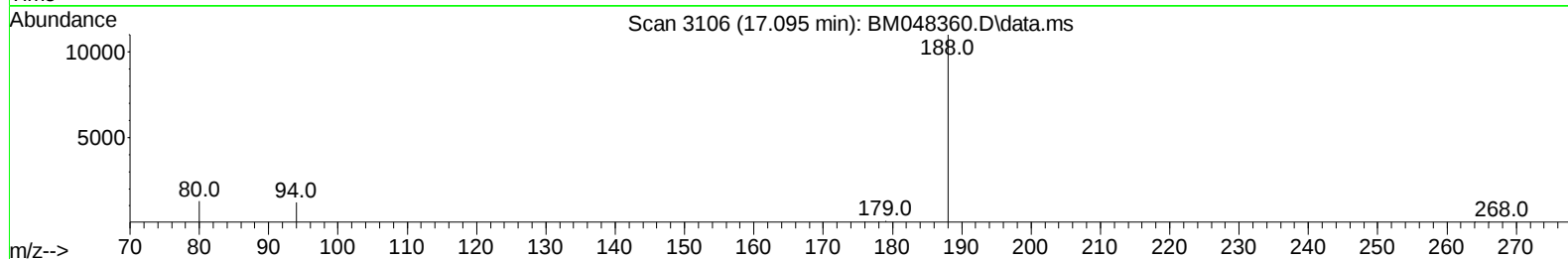
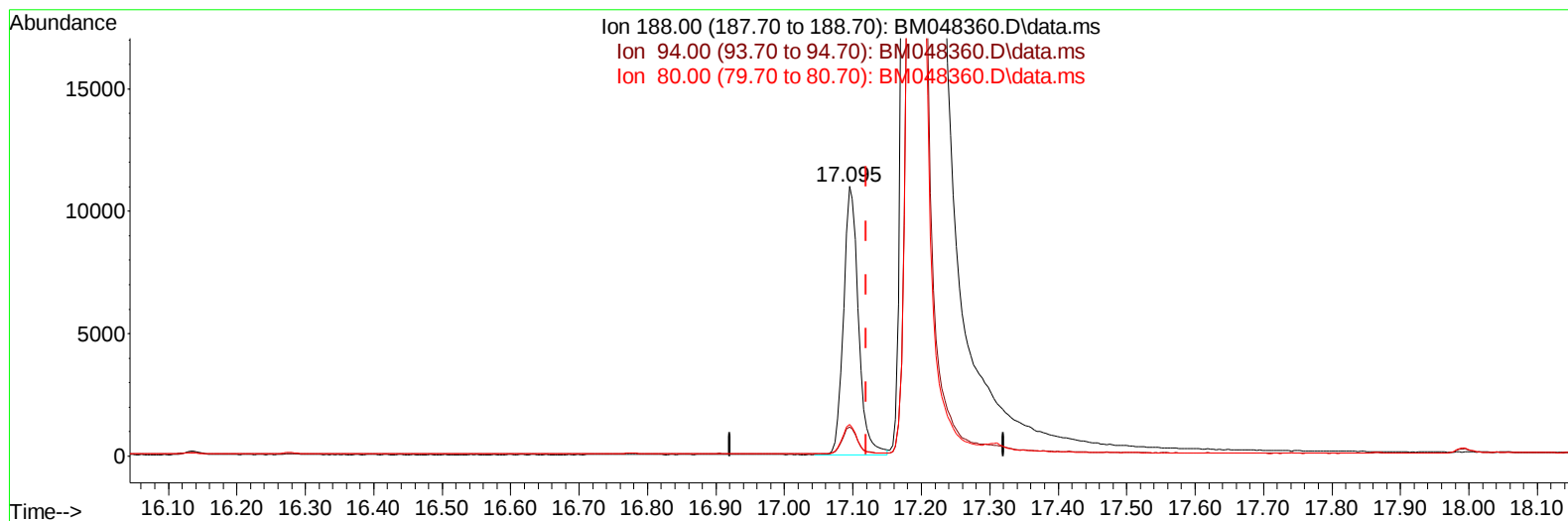
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(13) Phenanthrene-d10 (I)

17.095min (-0.025) 0.40 ng/ul m

response 16605

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	10.81
80.00	12.10	11.62
0.00	0.00	0.00

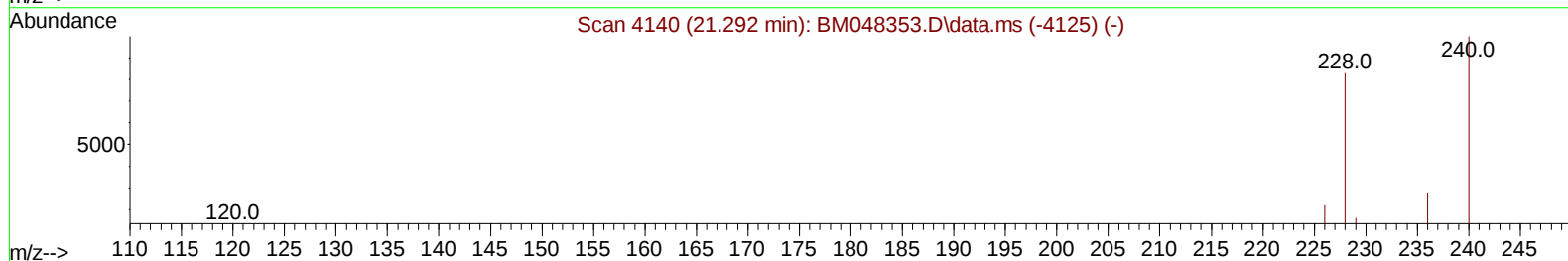
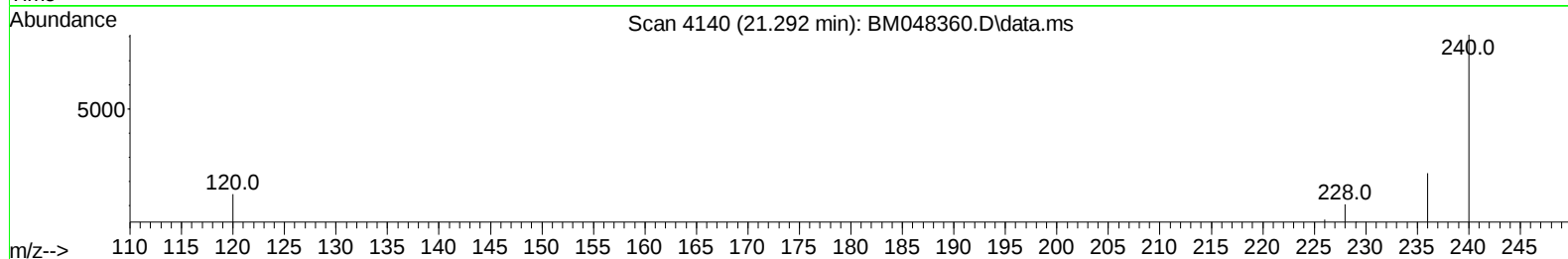
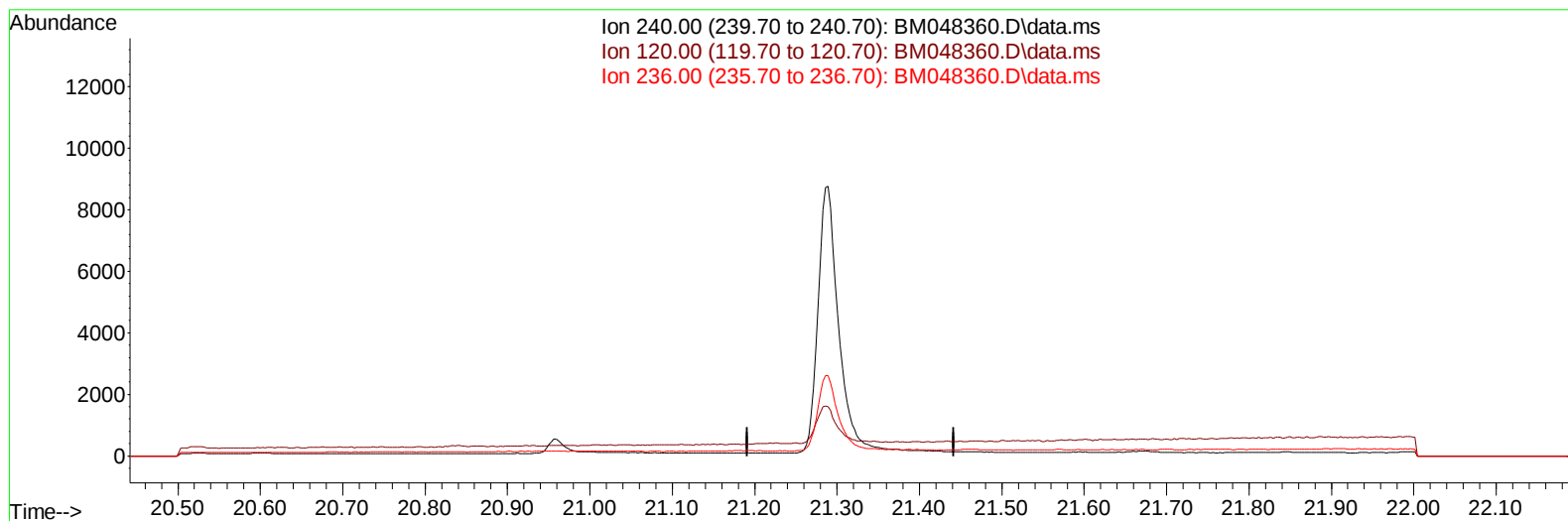
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.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

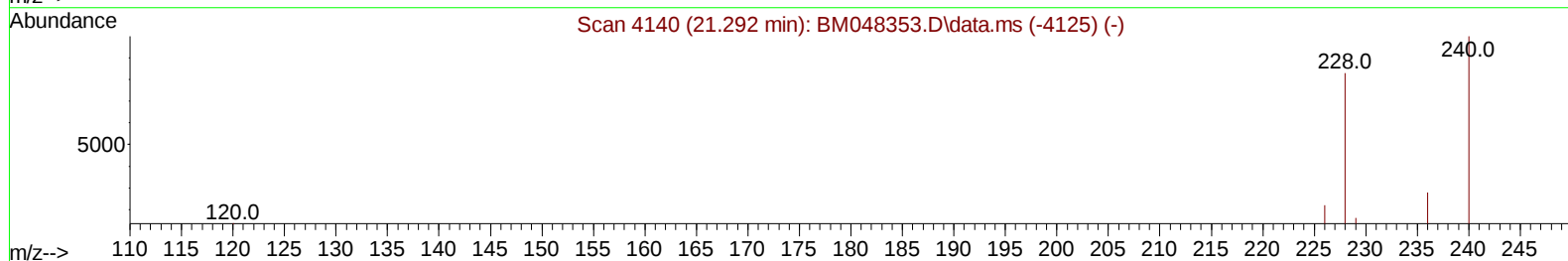
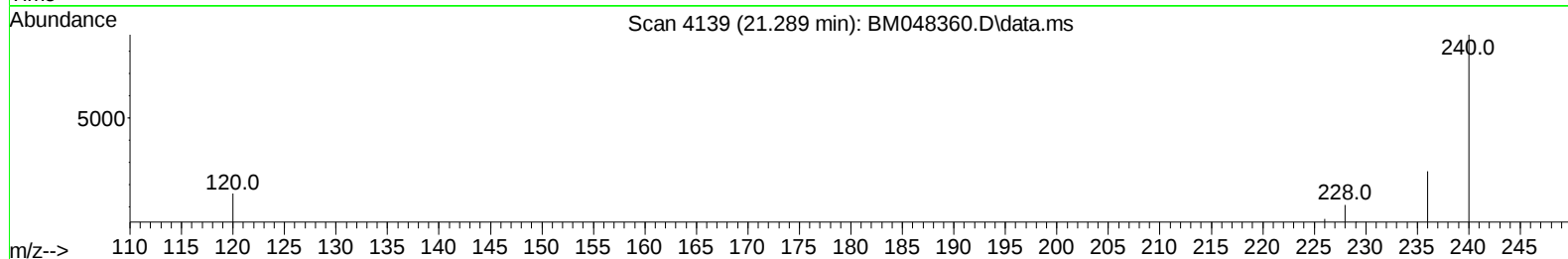
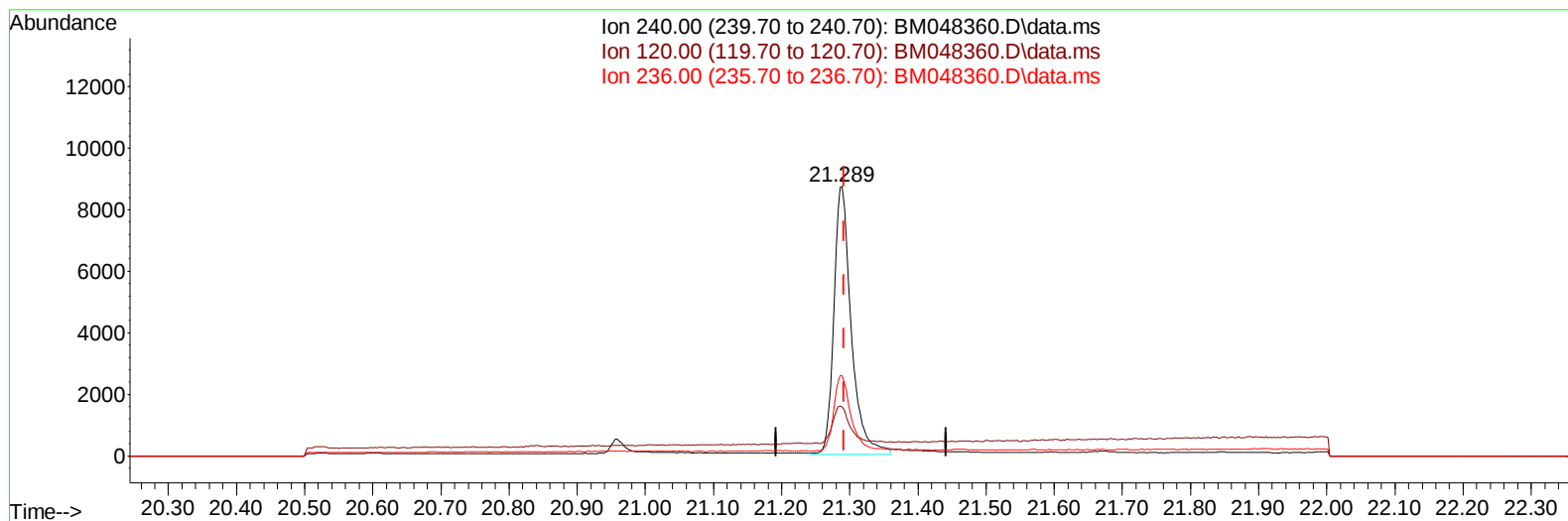
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(17) Chrysene-d12

21.289min (-0.003) 0.40 ng/u1 m

response 15380

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.00	18.22
236.00	29.90	29.87
0.00	0.00	0.00

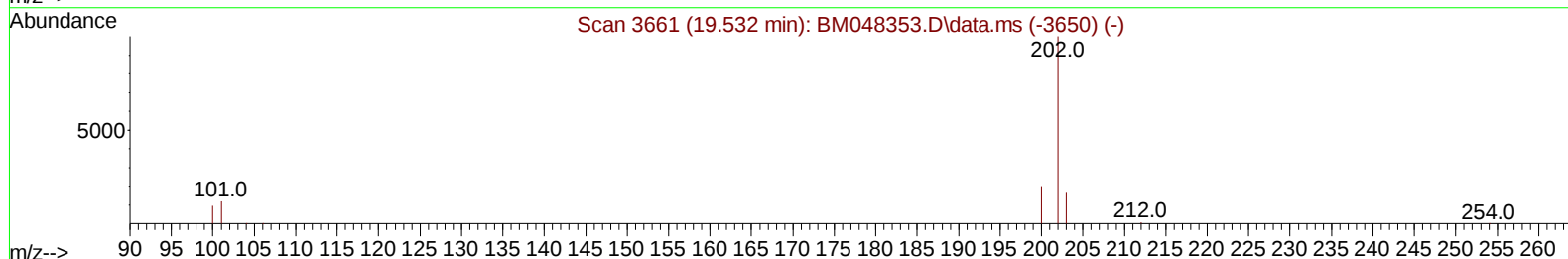
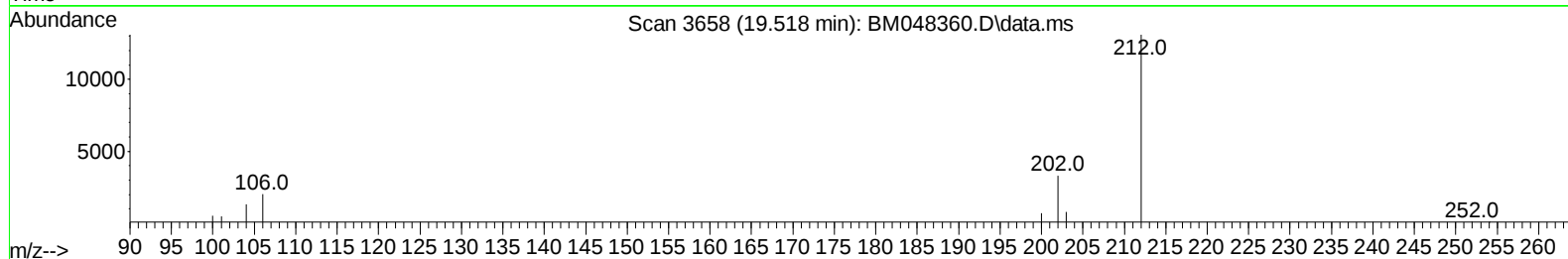
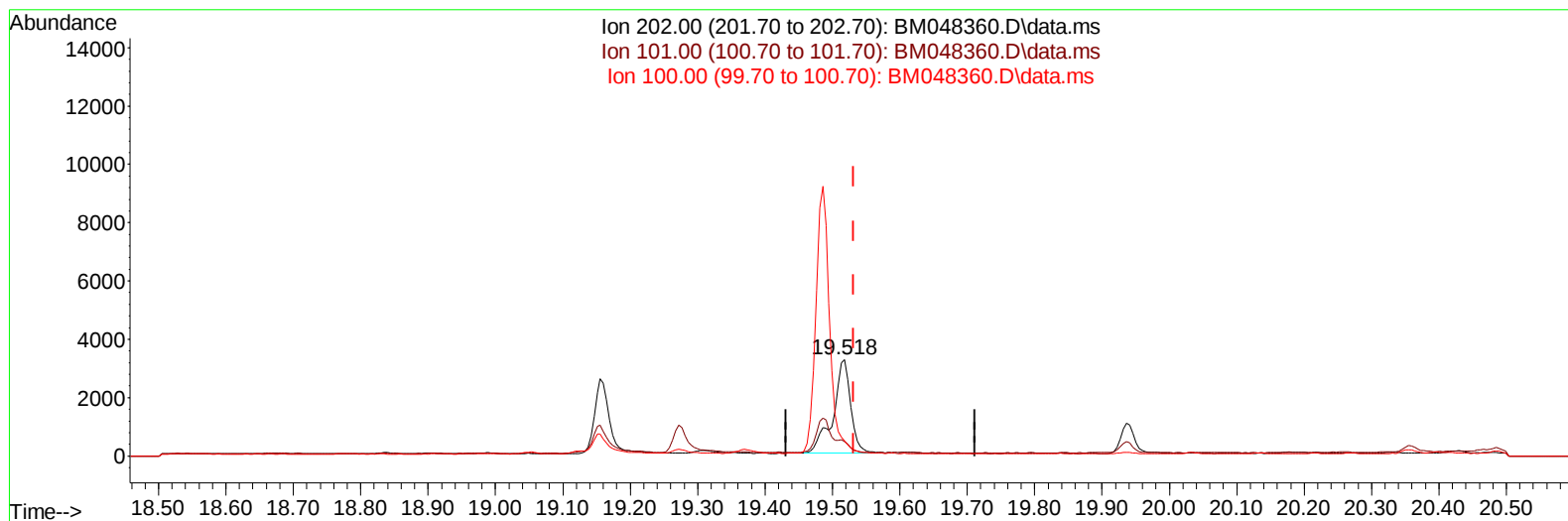
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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
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TIC: BM048360.D\data.ms

(20) Pyrene

19.518min (-0.014) 0.10 ng/u1

response 5851

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.50	14.76
100.00	10.00	15.40#
0.00	0.00	0.00

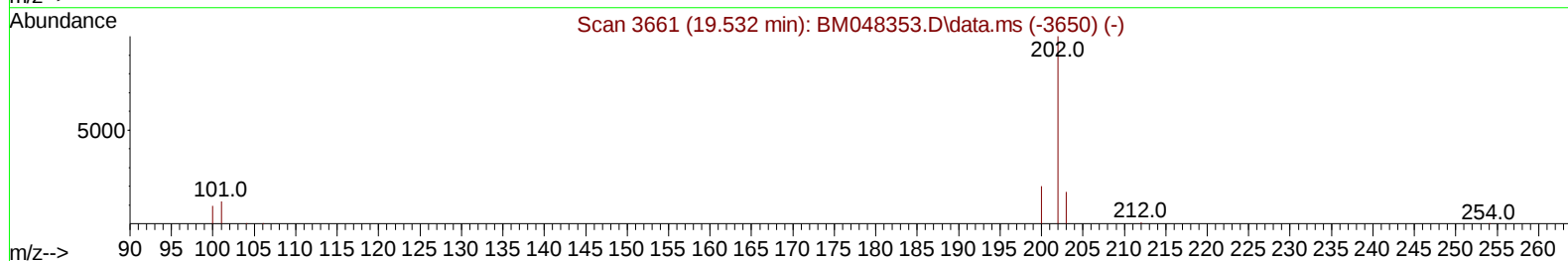
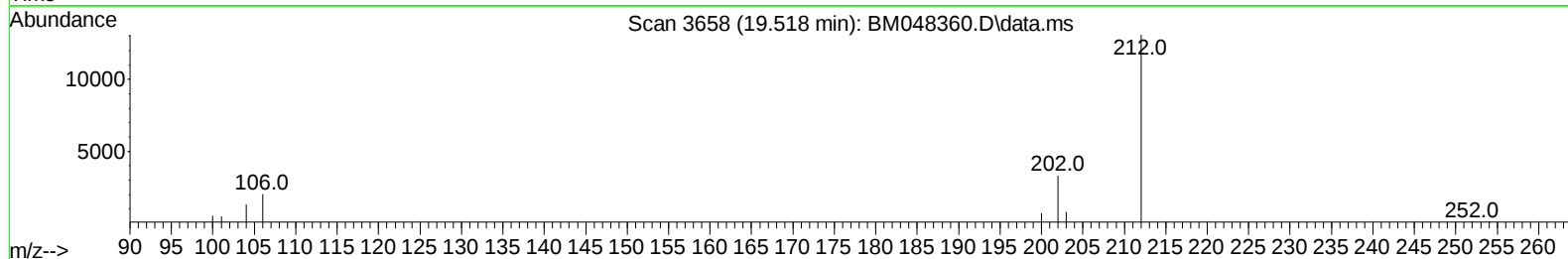
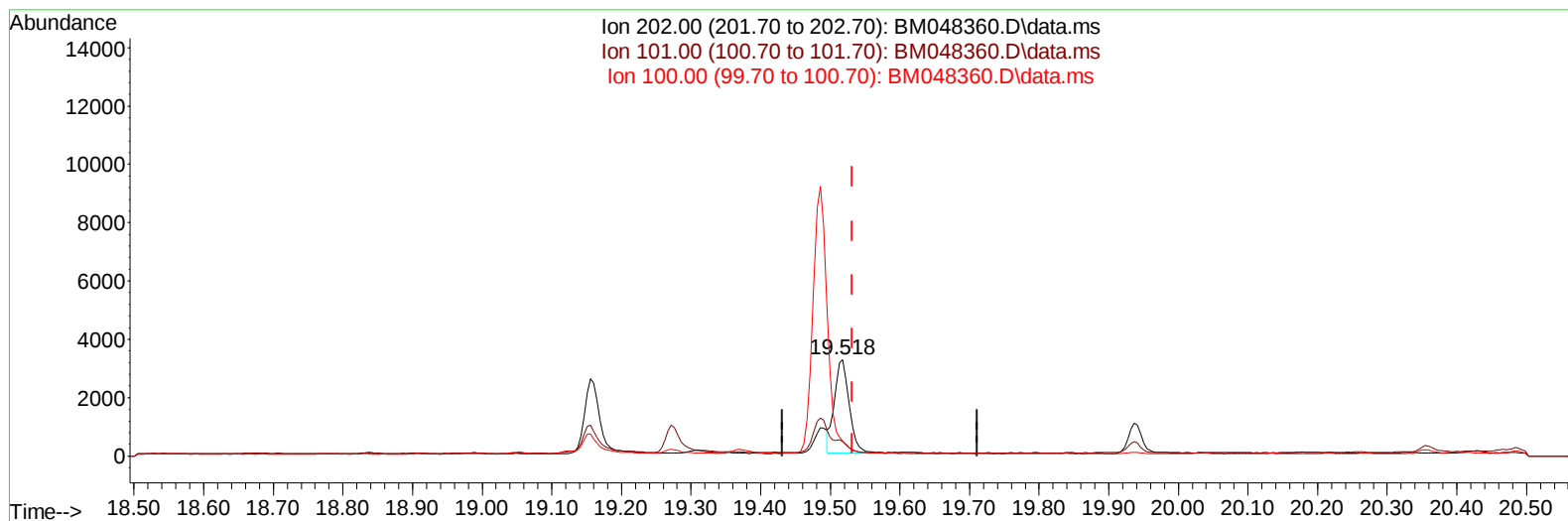
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(20) Pyrene

19.518min (-0.014) 0.08 ng/u1 m

response 4755

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.50	14.76
100.00	10.00	15.40#
0.00	0.00	0.00

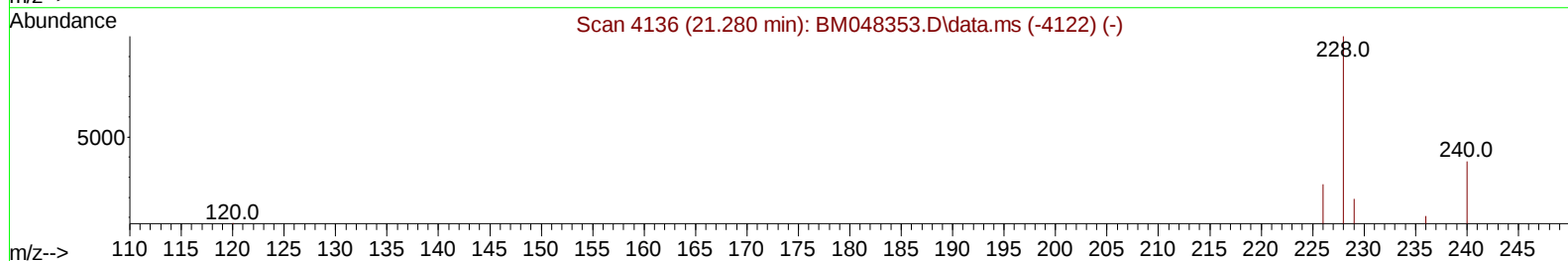
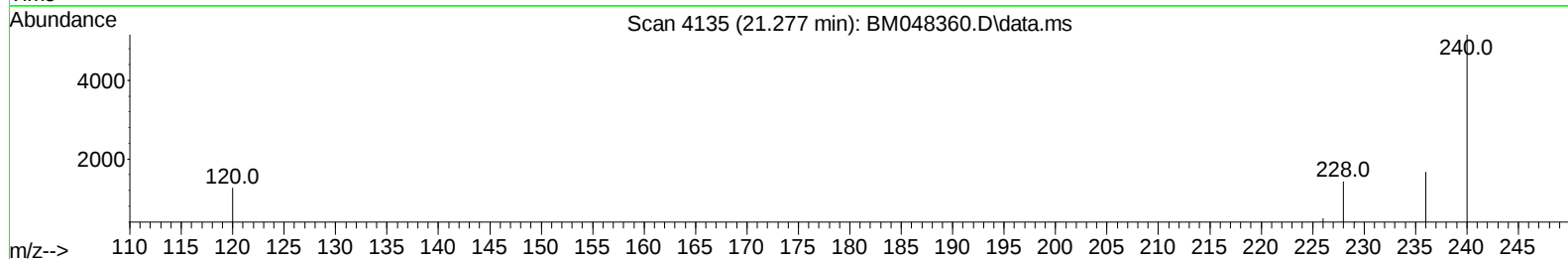
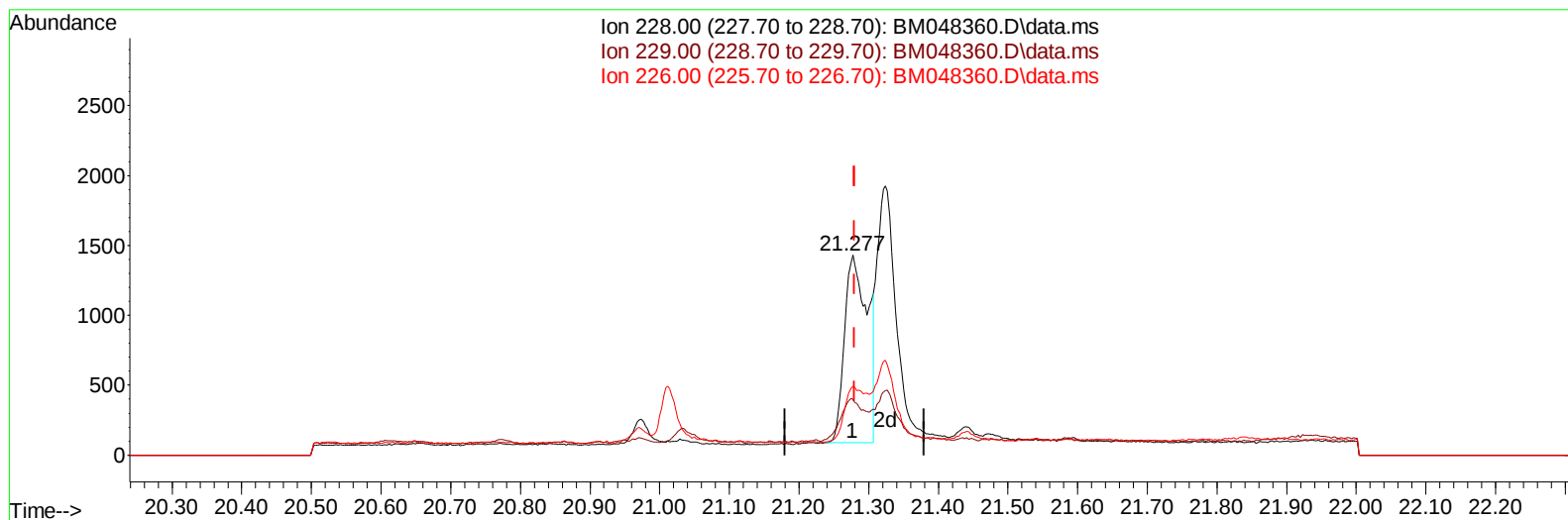
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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: BM048360.D\data.ms

(21) Benzo(a)anthracene

21.277min (-0.003) 0.07 ng/u1

response 3103

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	27.74#
226.00	27.60	34.59#
0.00	0.00	0.00

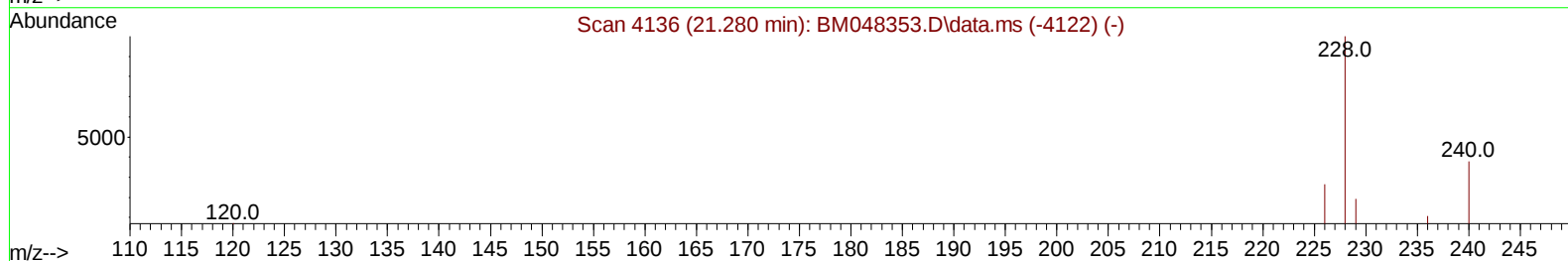
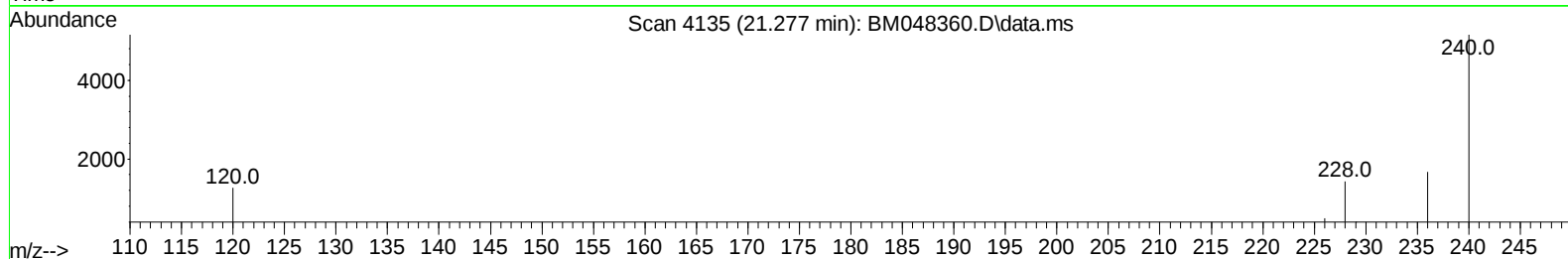
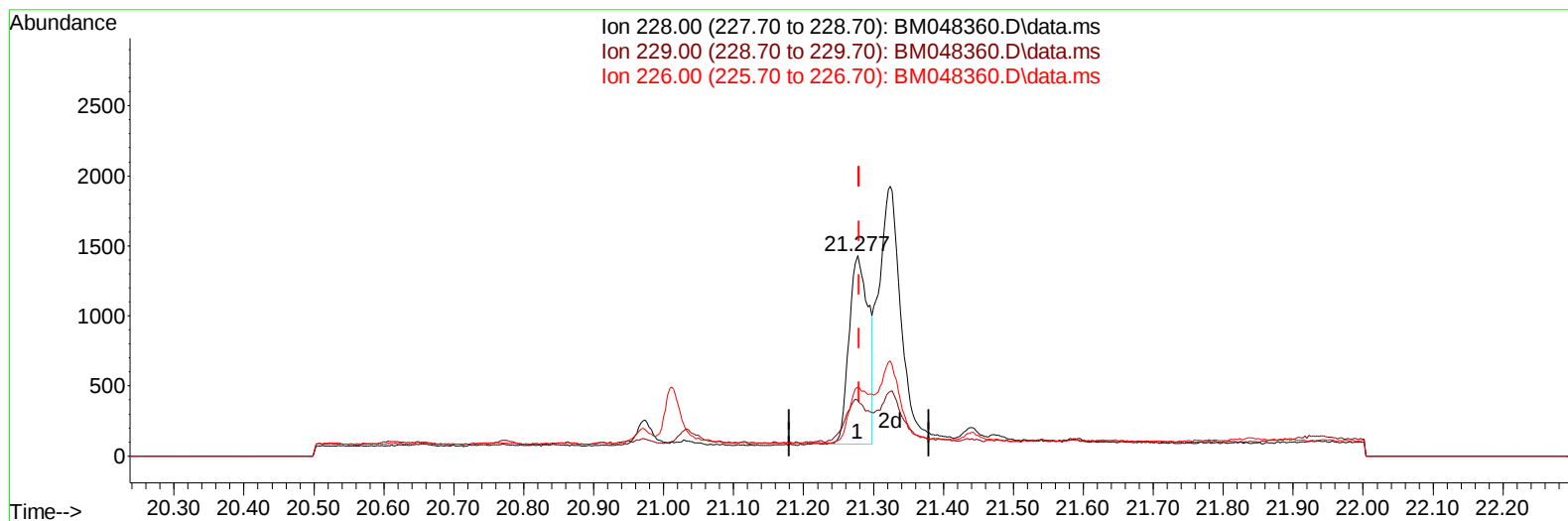
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(21) Benzo(a)anthracene

21.277min (-0.003) 0.06 ng/u1 m

response 2582

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	27.74#
226.00	27.60	34.59#
0.00	0.00	0.00

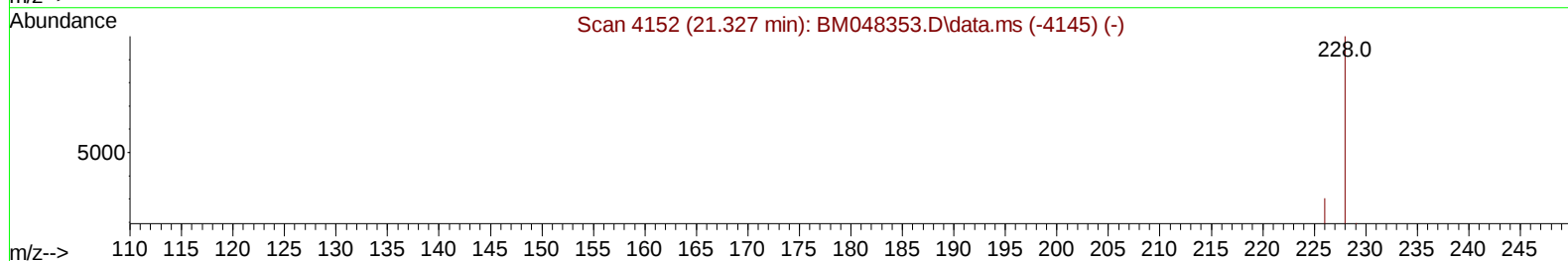
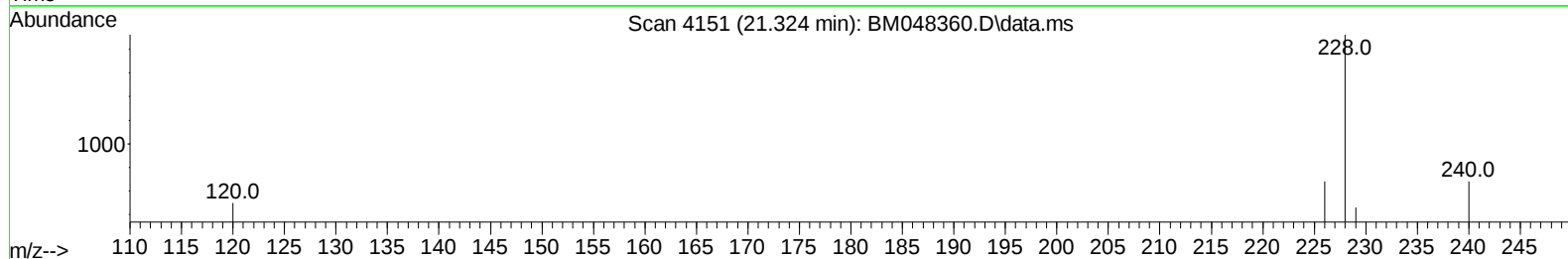
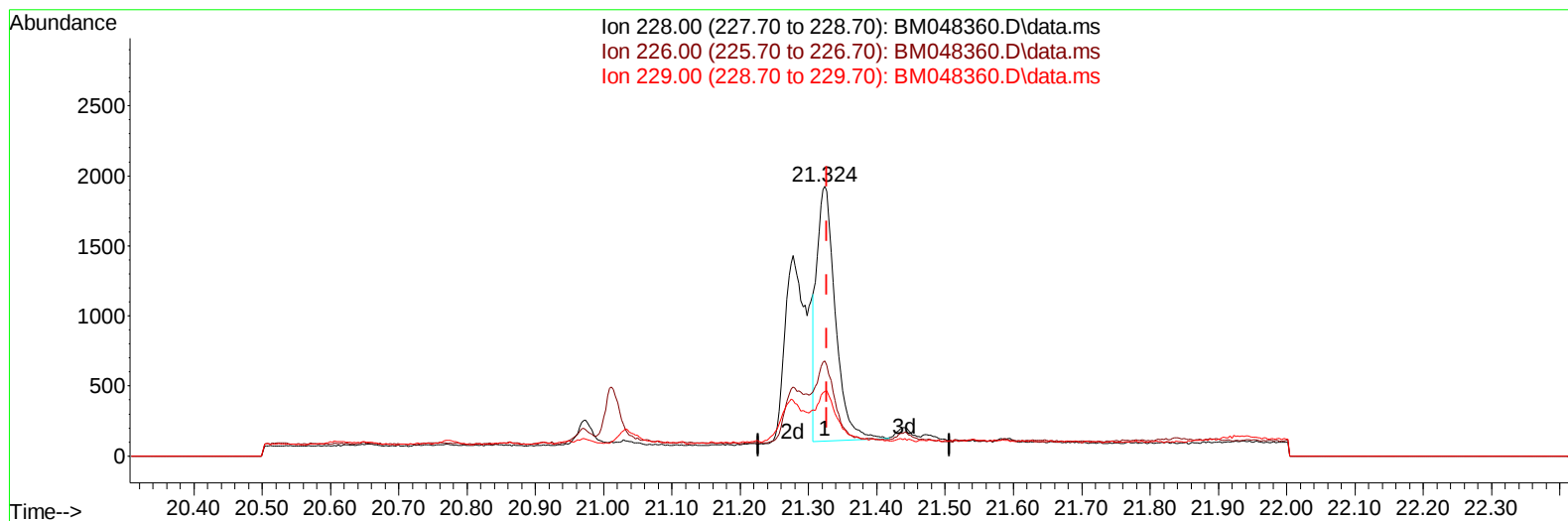
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(22) Chrysene

21.324min (-0.003) 0.05 ng/u1

response 3443

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	35.34
229.00	19.90	23.96#
0.00	0.00	0.00

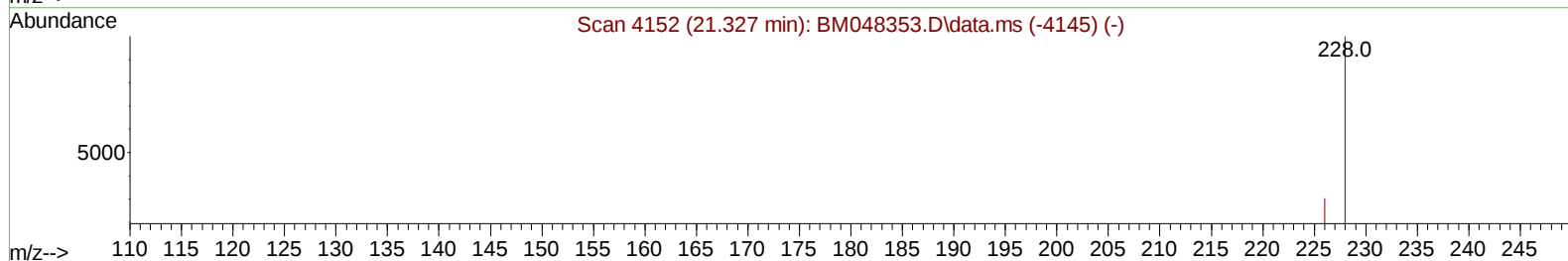
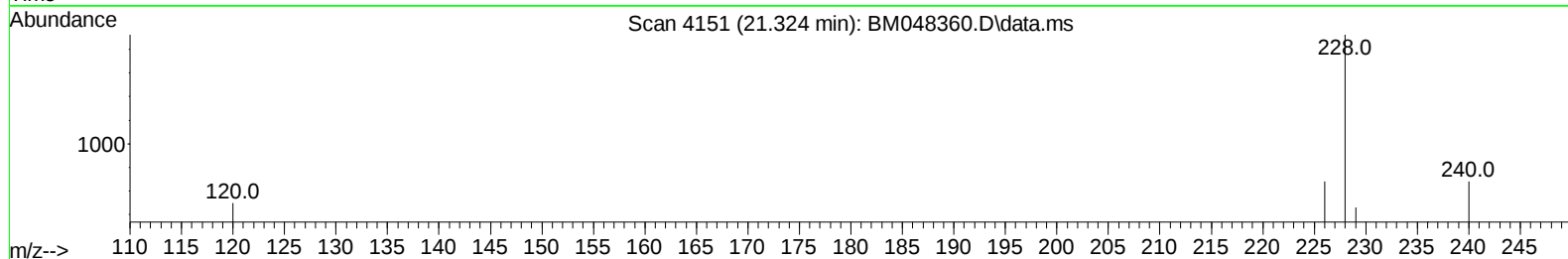
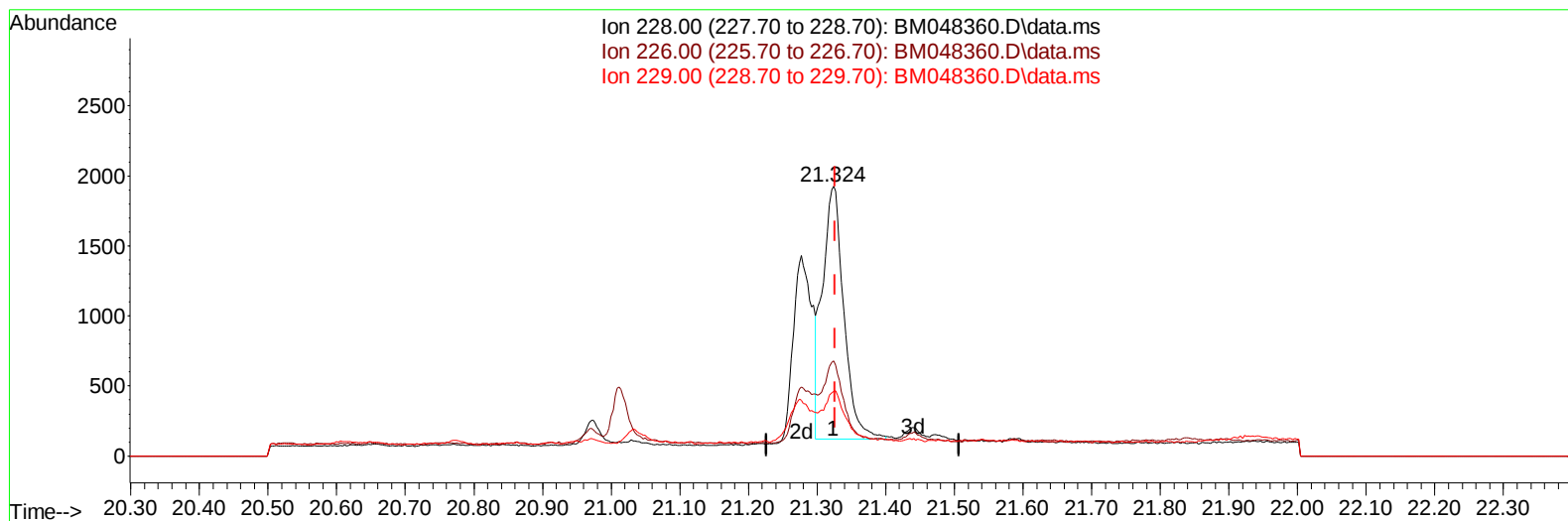
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(22) Chrysene

21.324min (-0.003) 0.06 ng/u1 m

response 3911

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	35.34
229.00	19.90	23.96#
0.00	0.00	0.00

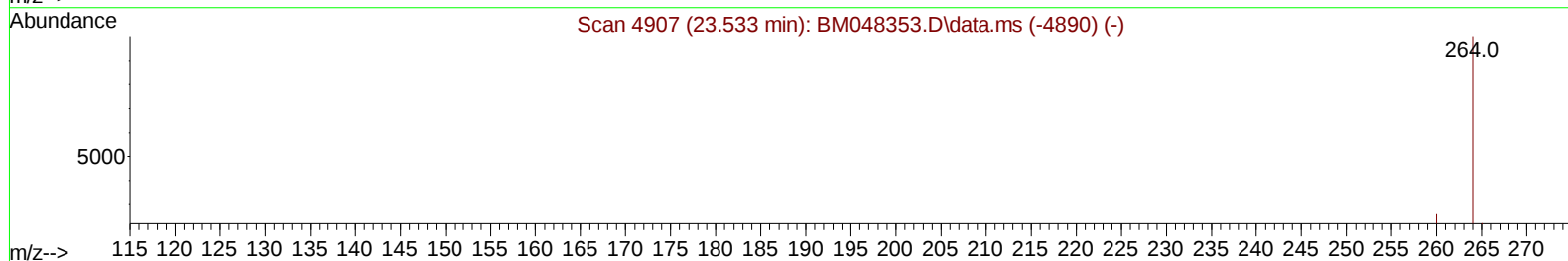
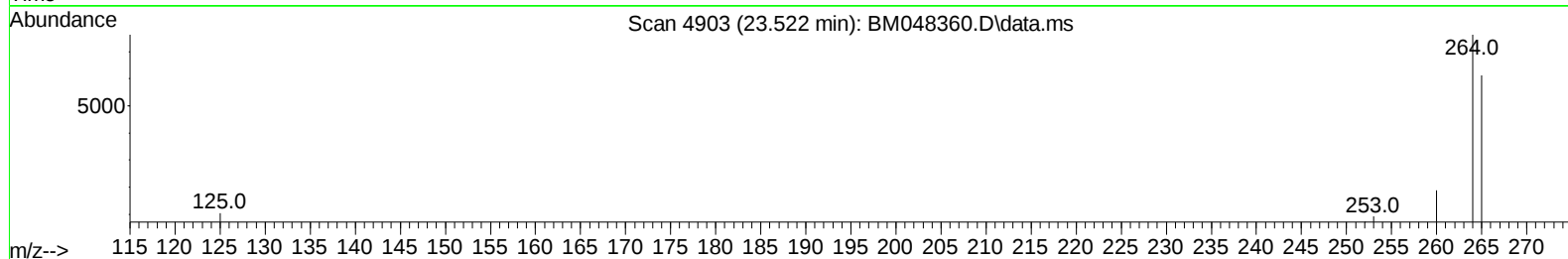
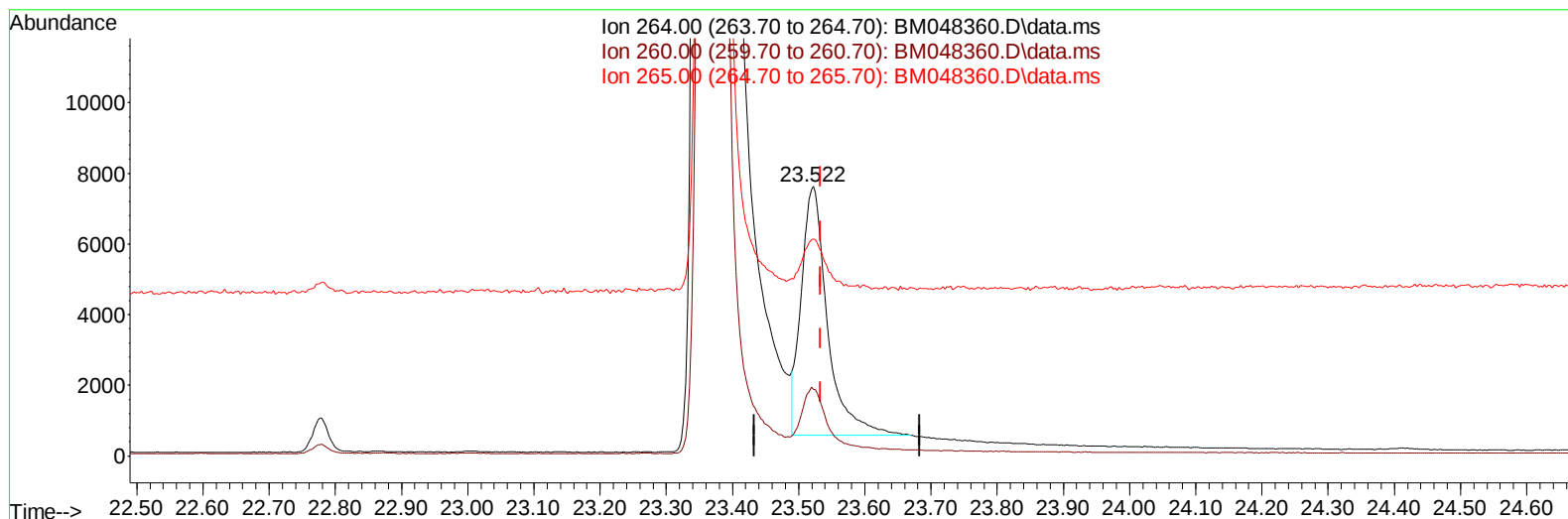
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048360.D\data.ms

(23) Perylene-d12 (I)

23.522min (-0.012) 0.40 ng/u1

response 19307

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	24.76
265.00	120.80	80.40#
0.00	0.00	0.00

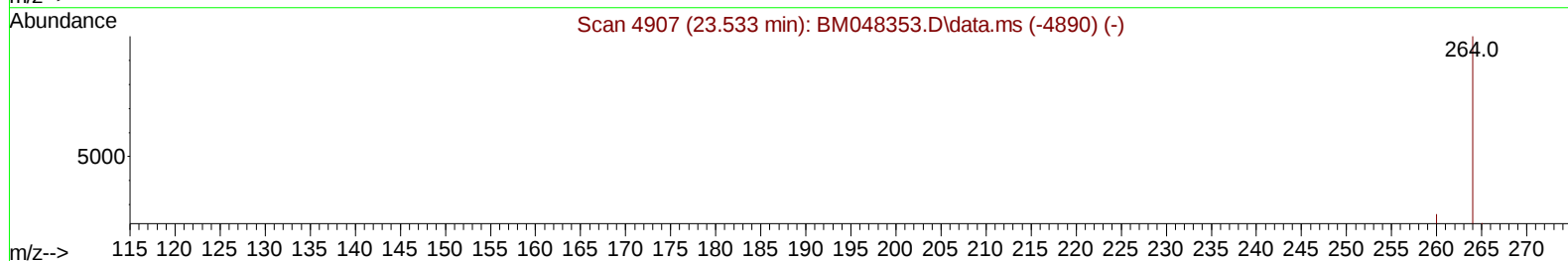
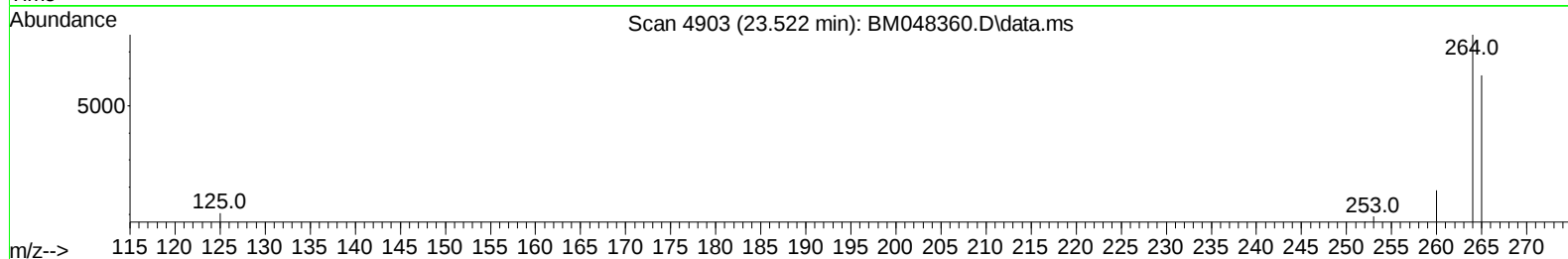
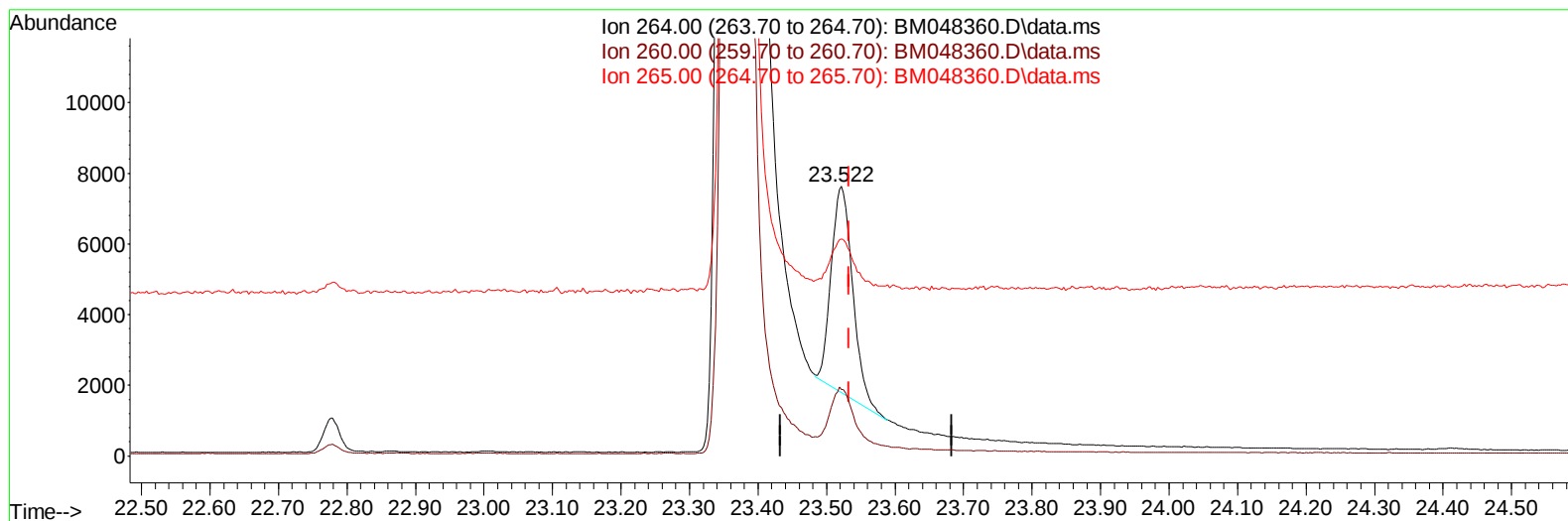
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048360.D\data.ms

(23) Perylene-d12 (I)

23.522min (-0.012) 0.40 ng/ul m

response 12627

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	24.76
265.00	120.80	80.40#
0.00	0.00	0.00

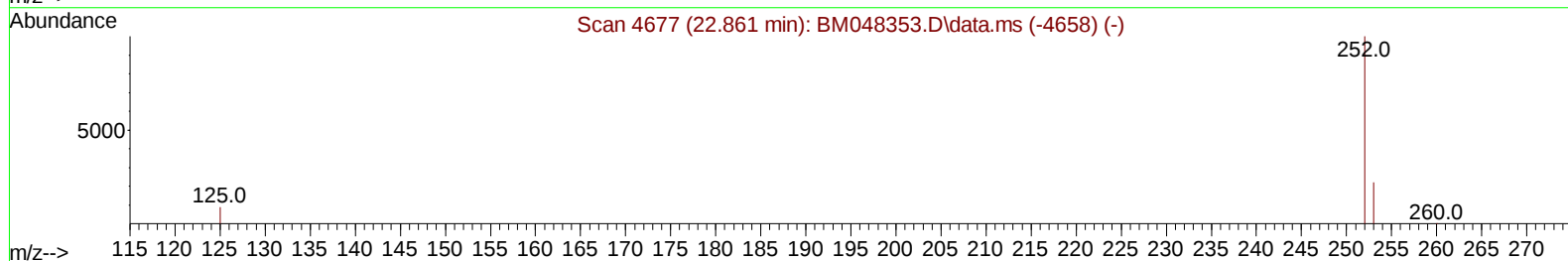
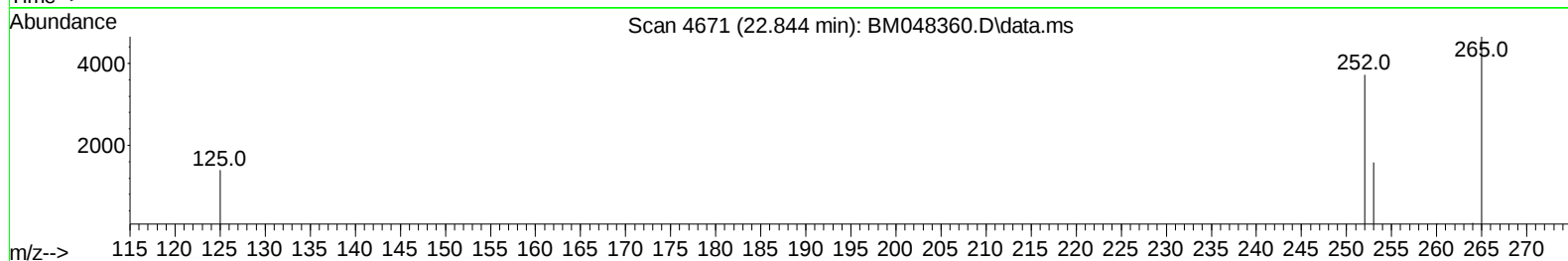
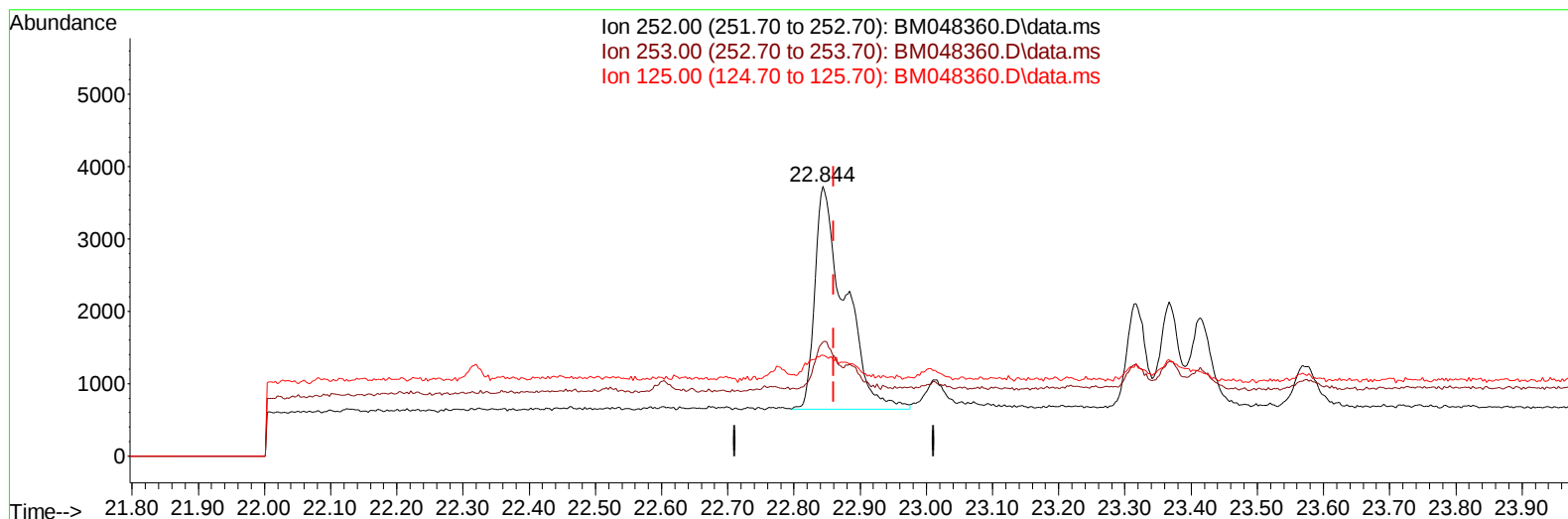
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048360.D\data.ms

(24) Benzo(b)fluoranthene

22.844min (-0.017) 0.22 ng/u1

response 9708

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	42.35
125.00	19.00	37.41
0.00	0.00	0.00

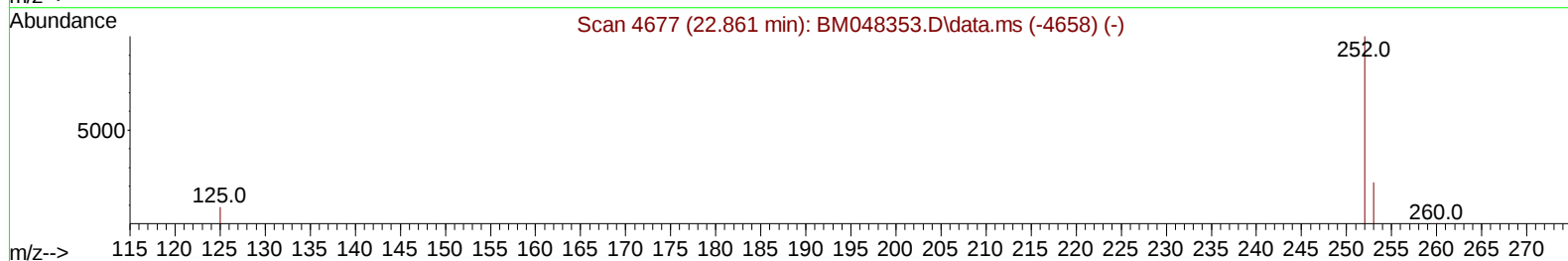
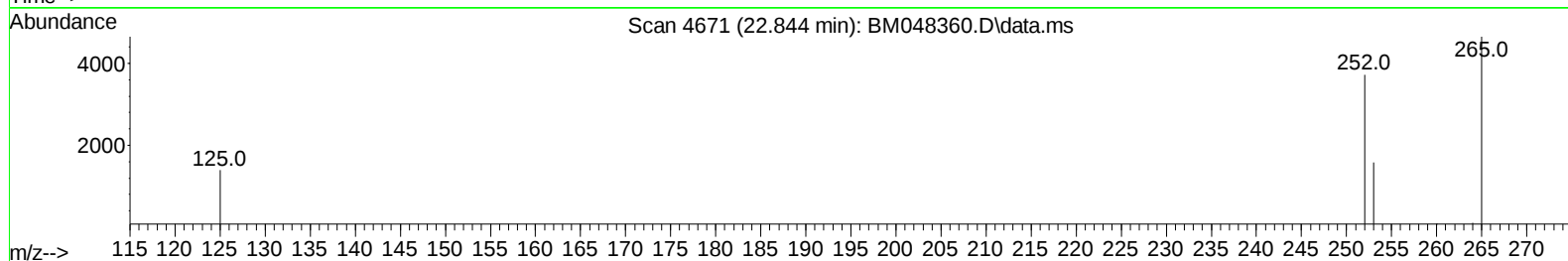
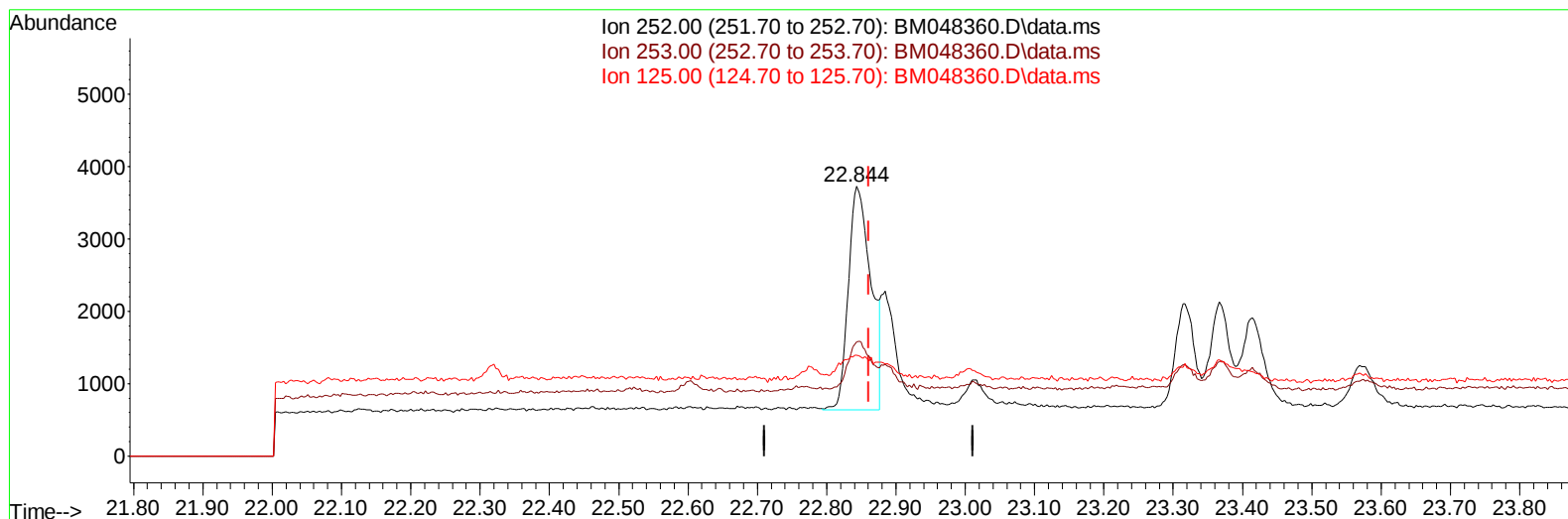
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 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: BM048360.D\data.ms

(24) Benzo(b)fluoranthene

22.844min (-0.017) 0.16 ng/u1 m

response 6973

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	42.35
125.00	19.00	37.41
0.00	0.00	0.00

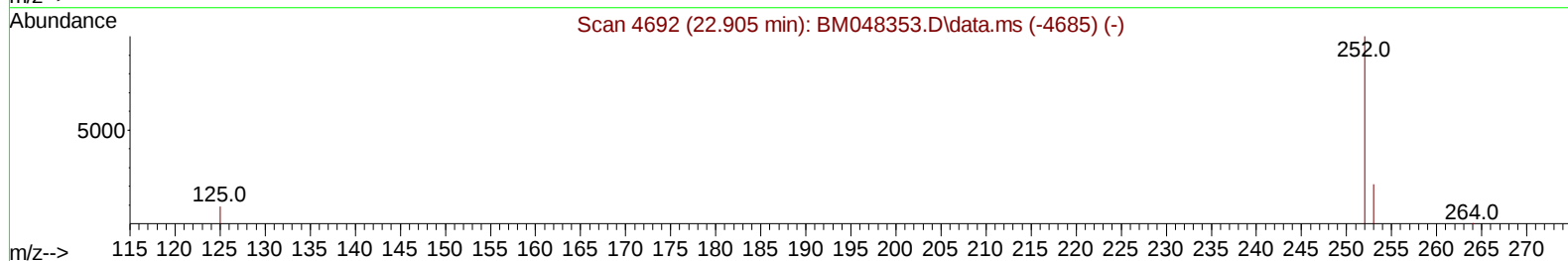
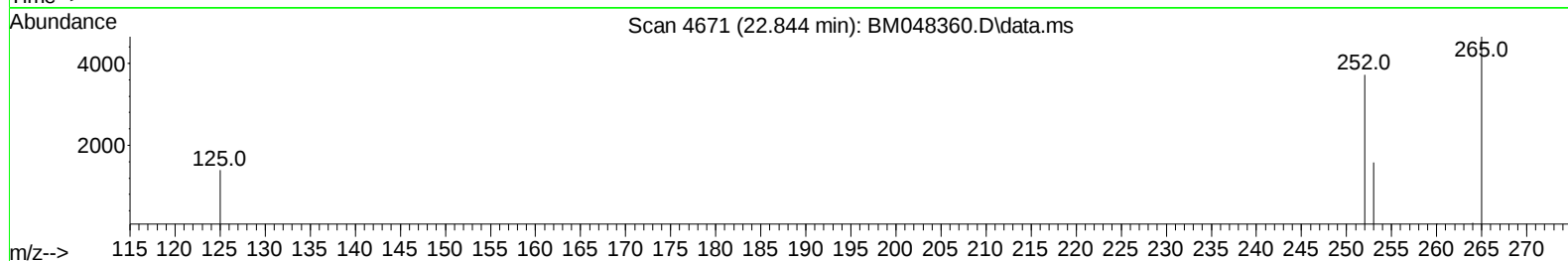
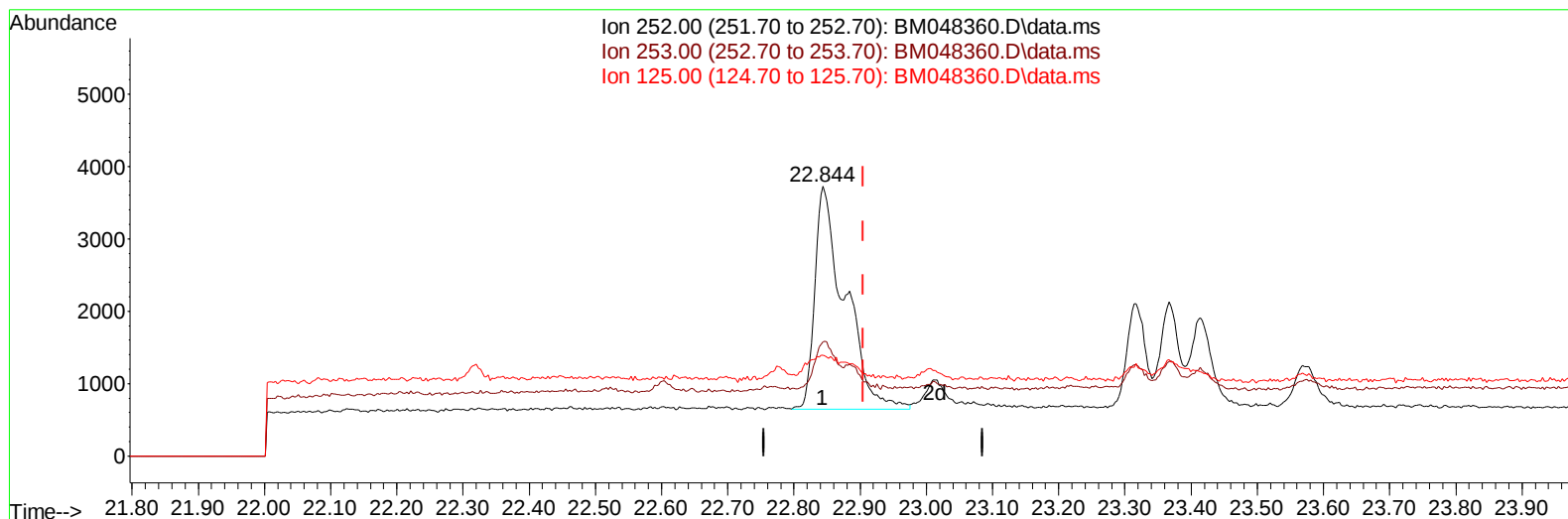
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

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TIC: BM048360.D\data.ms

(25) Benzo(k)fluoranthene

22.844min (-0.061) 0.19 ng/u1

response 9708

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	42.35#
125.00	19.10	37.41#
0.00	0.00	0.00

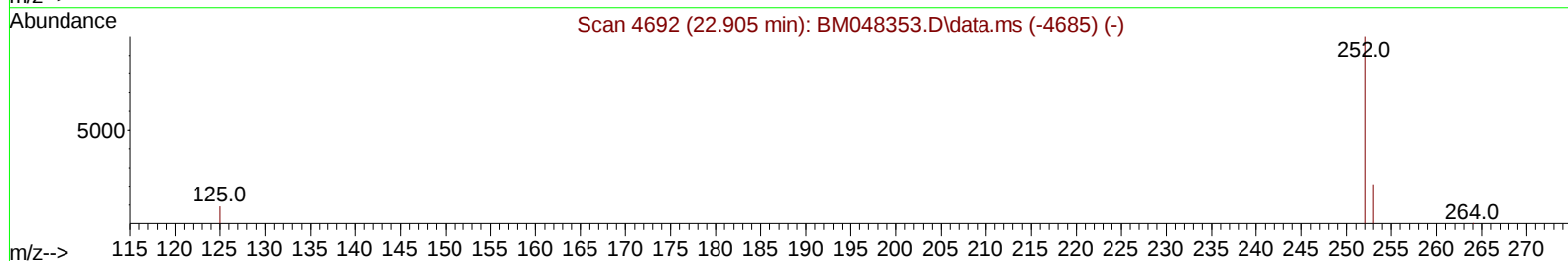
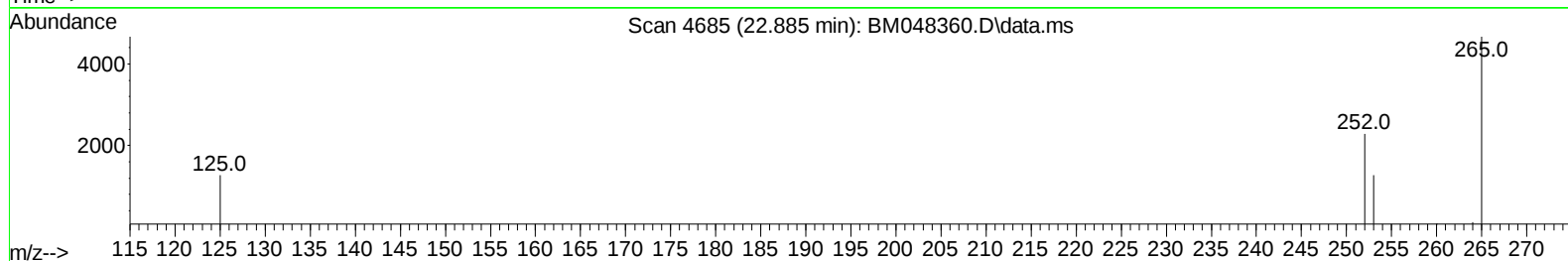
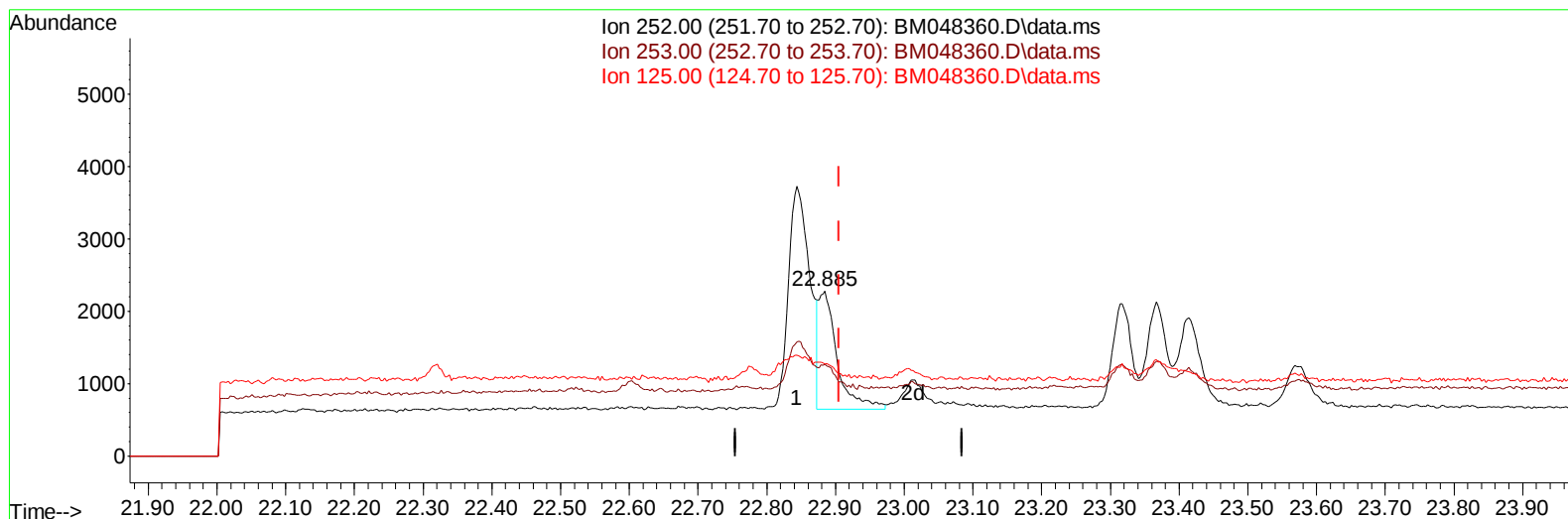
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048360.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4530-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H27

Manual IntegrationsAPPROVED

Quant Time: Oct 31 17:56:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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TIC: BM048360.D\data.ms

(25) Benzo(k)fluoranthene

22.885min (-0.020) 0.06 ng/u1 m

response 3043

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	55.83#
125.00	19.10	55.83#
0.00	0.00	0.00

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 Data File : BM048360.D
 Acq On : 31 Oct 2024 16:35
 Operator : RC/JU
 Sample : P4530-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7H27

Manual IntegrationsAPPROVED

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

Quant Time: Oct 31 17:56:18 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

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.712	152		4781	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.497	136		15129	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.354	164		8203	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.095	188		16605m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.289	240		15380m	0.400	ng/ul	0.00
23) Perylene-d12	23.522	264		12627m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.164	96		18623	3.172	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.119	152		4140	0.215	ng/ul	-0.02
18) Fluoranthene-d10	19.128	212		10067	0.258	ng/ul	0.00
Target Compounds							Qvalue
19) Fluoranthene	19.156	202		3993	0.075	ng/ul#	33
20) Pyrene	19.518	202		4755m	0.084	ng/ul	
21) Benzo(a)anthracene	21.277	228		2582m	0.056	ng/ul	
22) Chrysene	21.324	228		3911m	0.062	ng/ul	
24) Benzo(b)fluoranthene	22.844	252		6973m	0.162	ng/ul	
25) Benzo(k)fluoranthene	22.885	252		3043m	0.060	ng/ul	
26) Benzo(a)pyrene	23.414	252		2492	0.061	ng/ul#	42
27) Indeno(1,2,3-cd)pyrene	25.833	276		2809	0.050	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.833	278		1054	0.024	ng/ul#	1
29) Benzo(g,h,i)perylene	26.523	276		2654	0.056	ng/ul#	72

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

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