

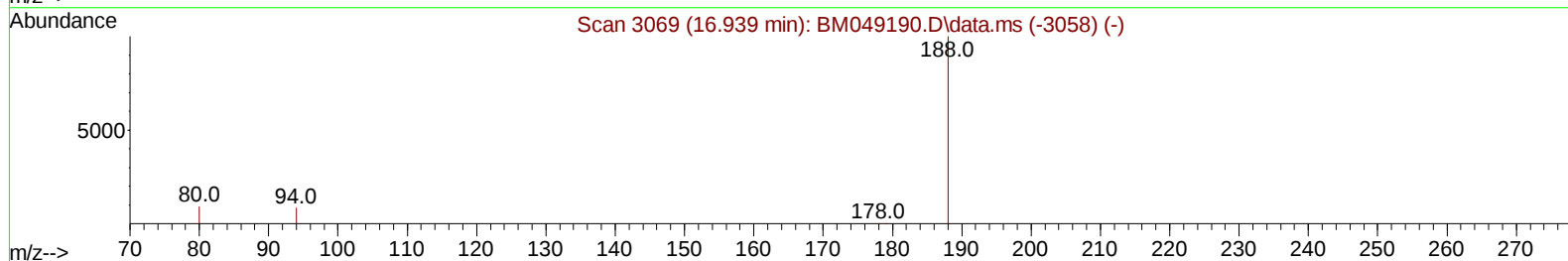
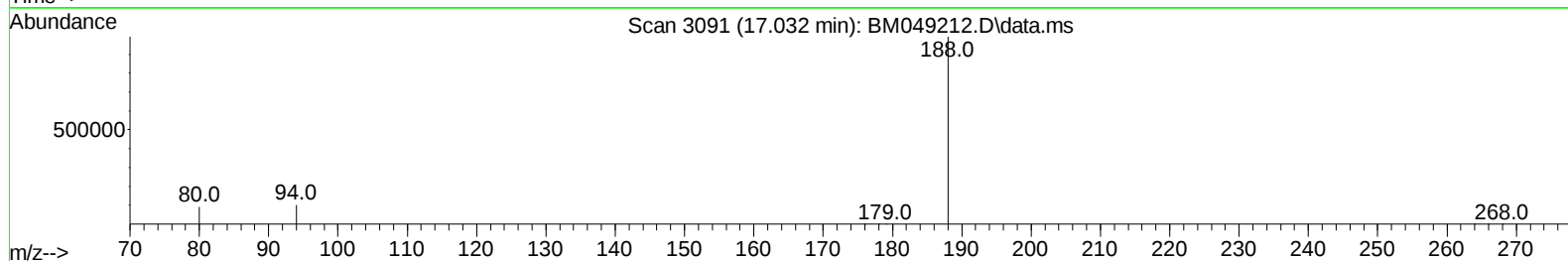
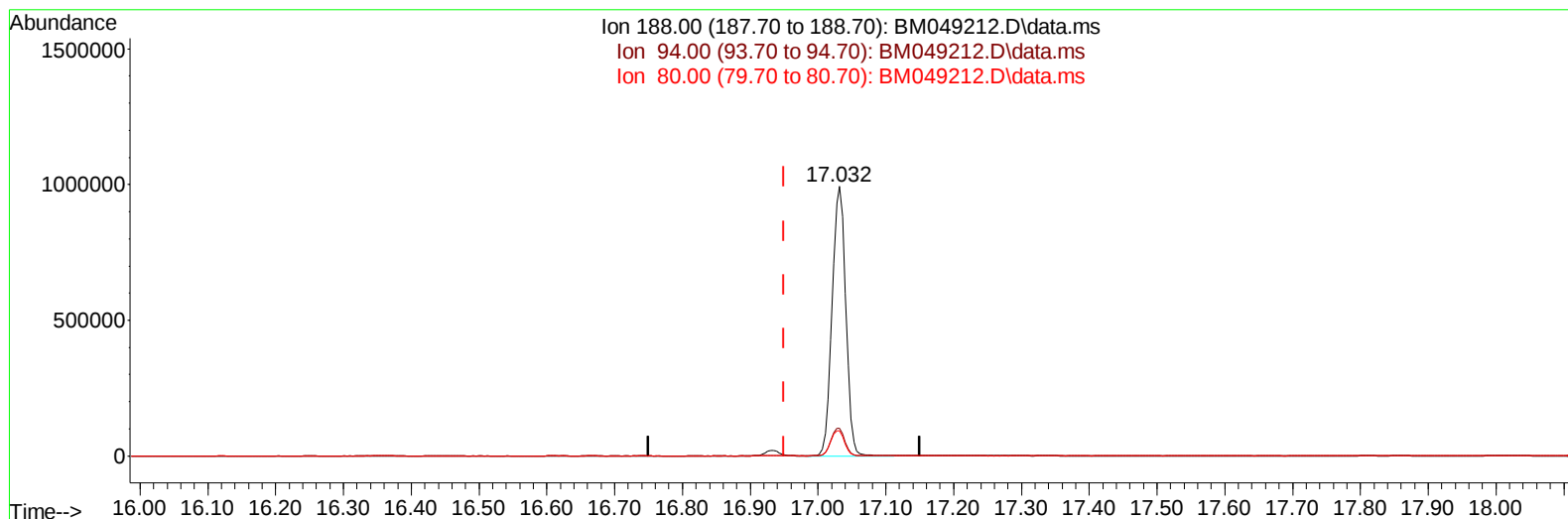
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(13) Phenanthrene-d10 (I)

17.032min (+ 0.082) 0.40 ng/u1

response 1378293

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.24
80.00	10.70	9.33
0.00	0.00	0.00

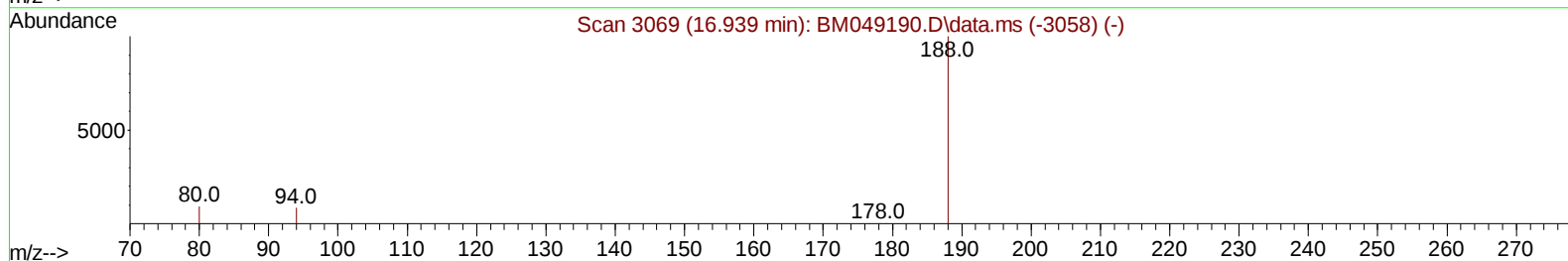
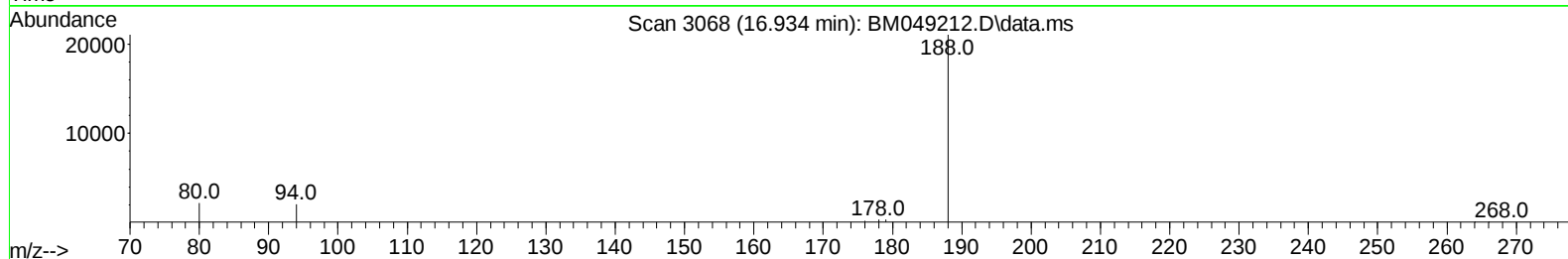
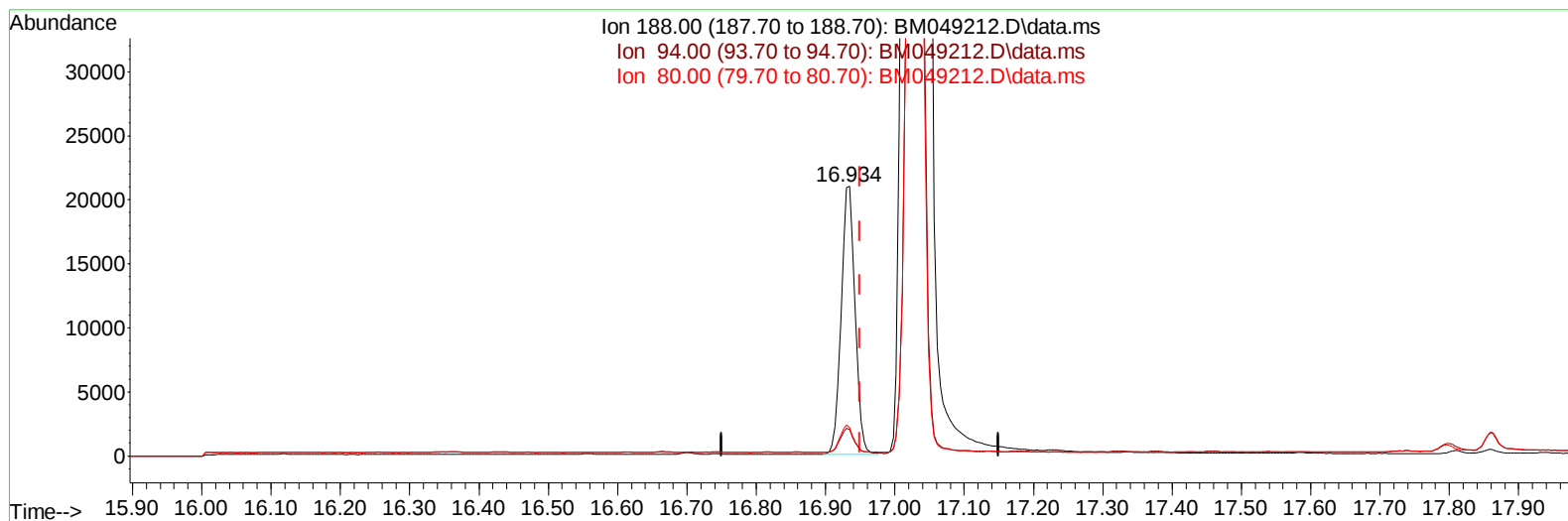
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(13) Phenanthrene-d10 (I)

16.934min (-0.015) 0.40 ng/ul m

response 29086

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.79
80.00	10.70	10.43
0.00	0.00	0.00

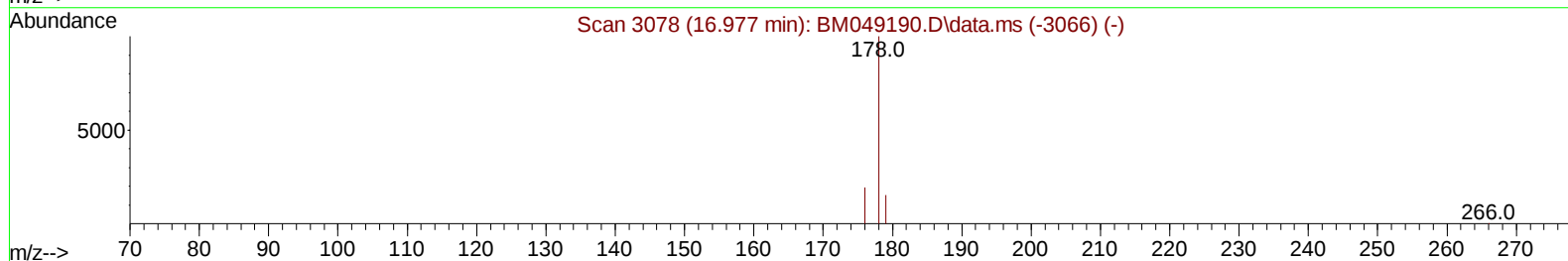
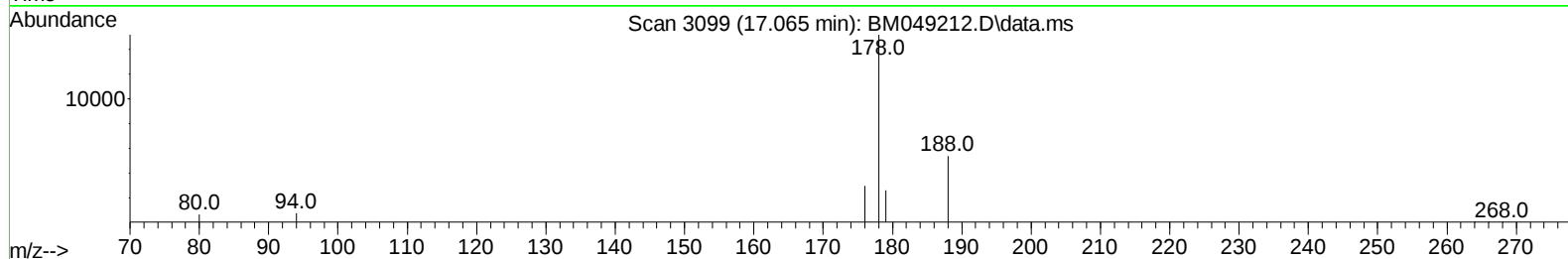
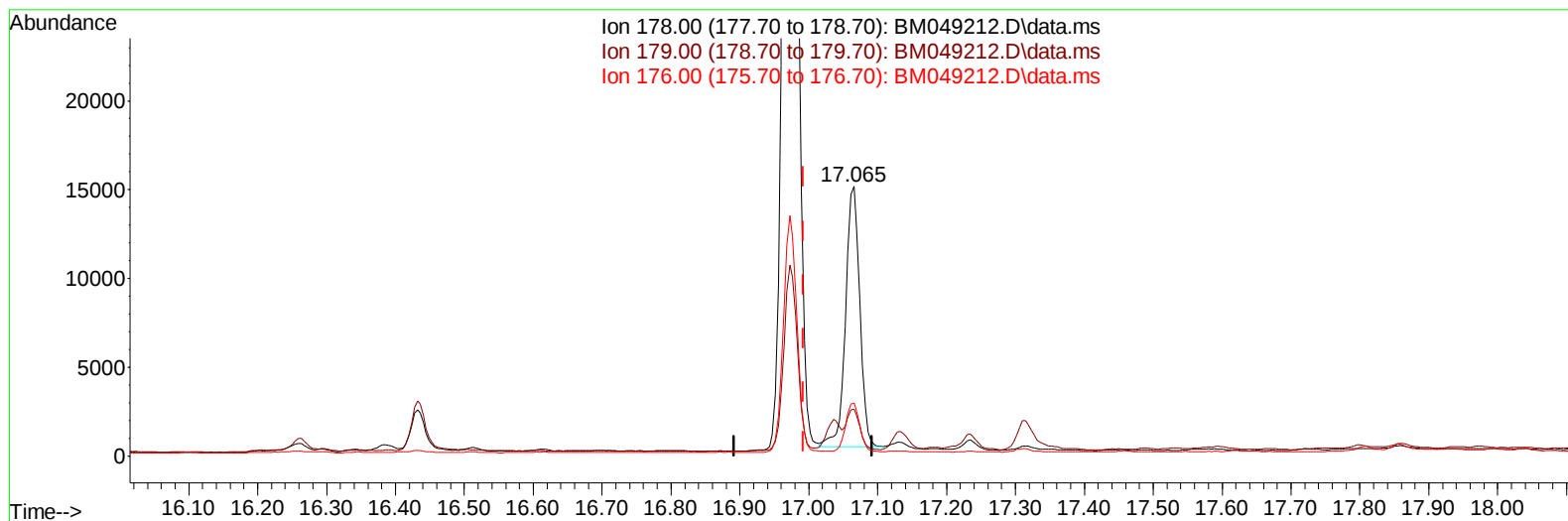
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(15) Phenanthrene

17.065min (+ 0.073) 0.28 ng/u1

response 21000

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.31
176.00	20.20	19.81
0.00	0.00	0.00

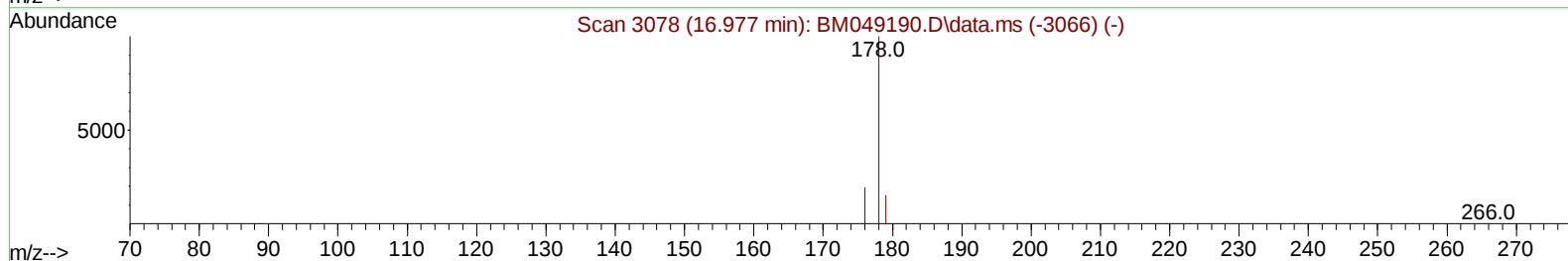
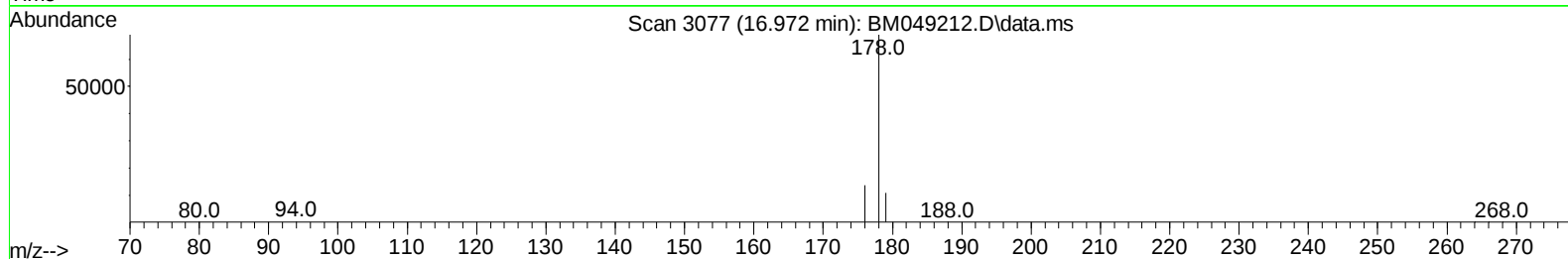
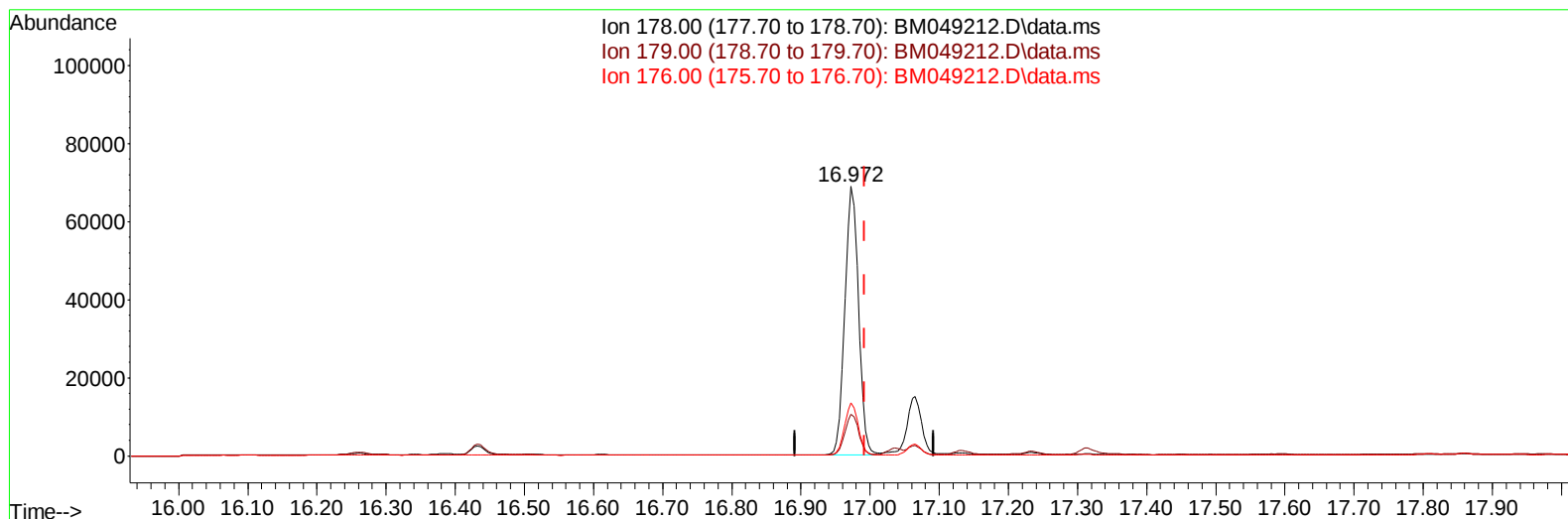
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(15) Phenanthrene

16.972min (-0.020) 1.24 ng/ul m

response 94167

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.56
176.00	20.20	19.61
0.00	0.00	0.00

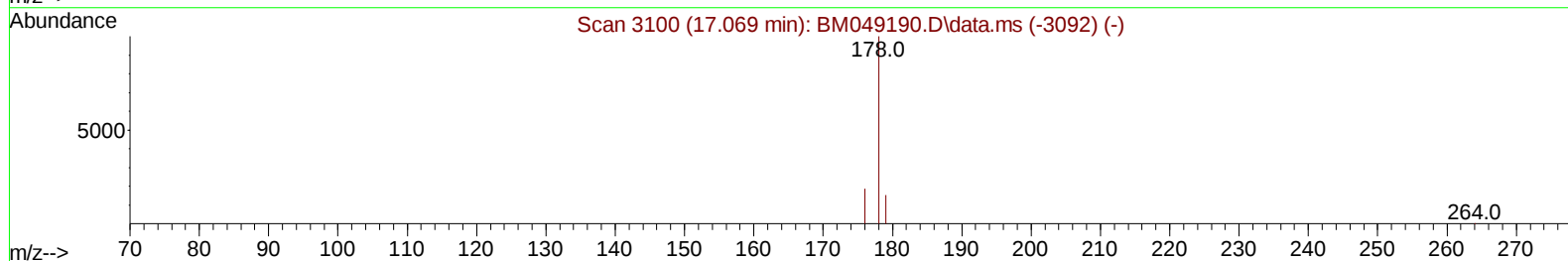
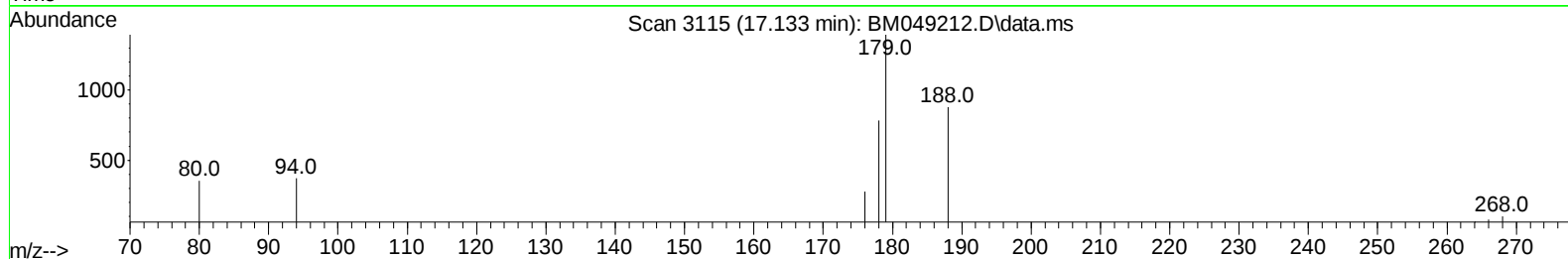
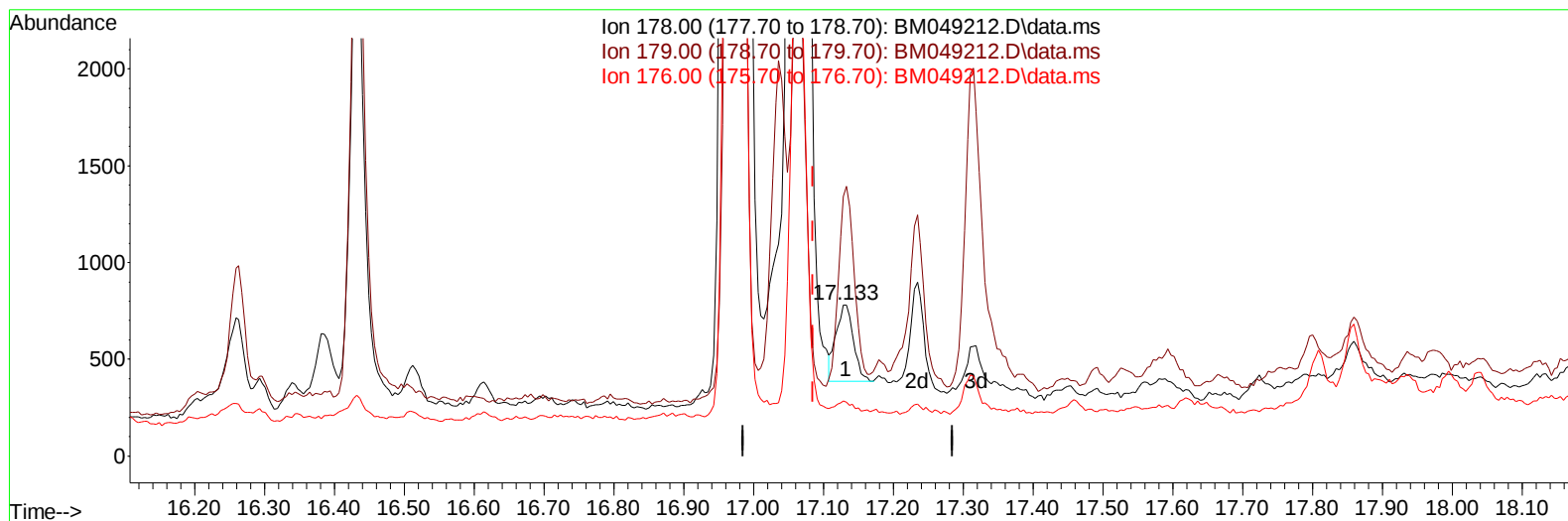
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(16) Anthracene

17.133min (+ 0.048) 0.01 ng/u1

response 674

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	178.36#
176.00	19.10	35.47#
0.00	0.00	0.00

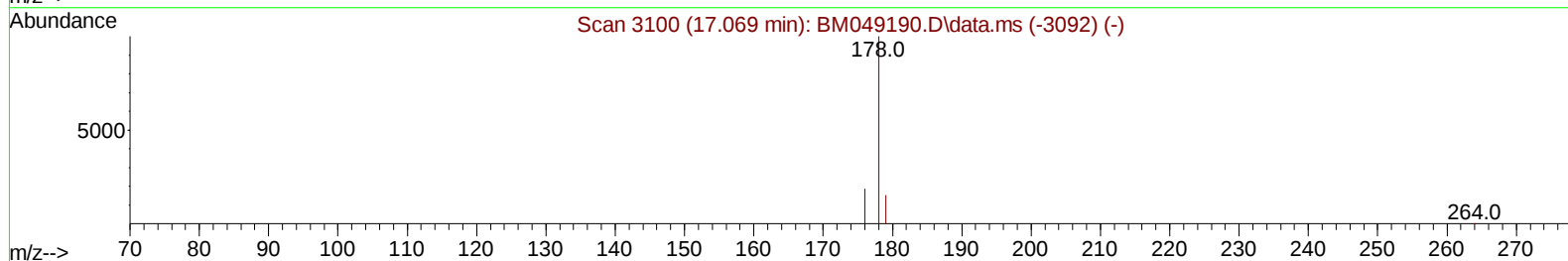
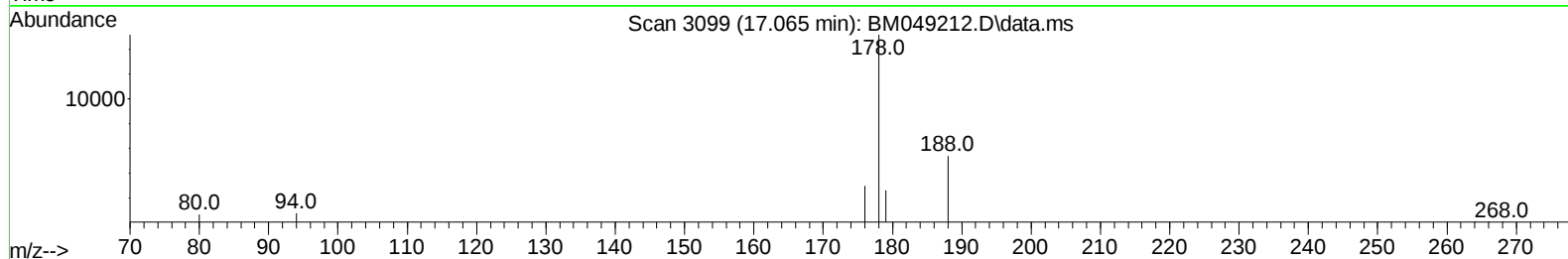
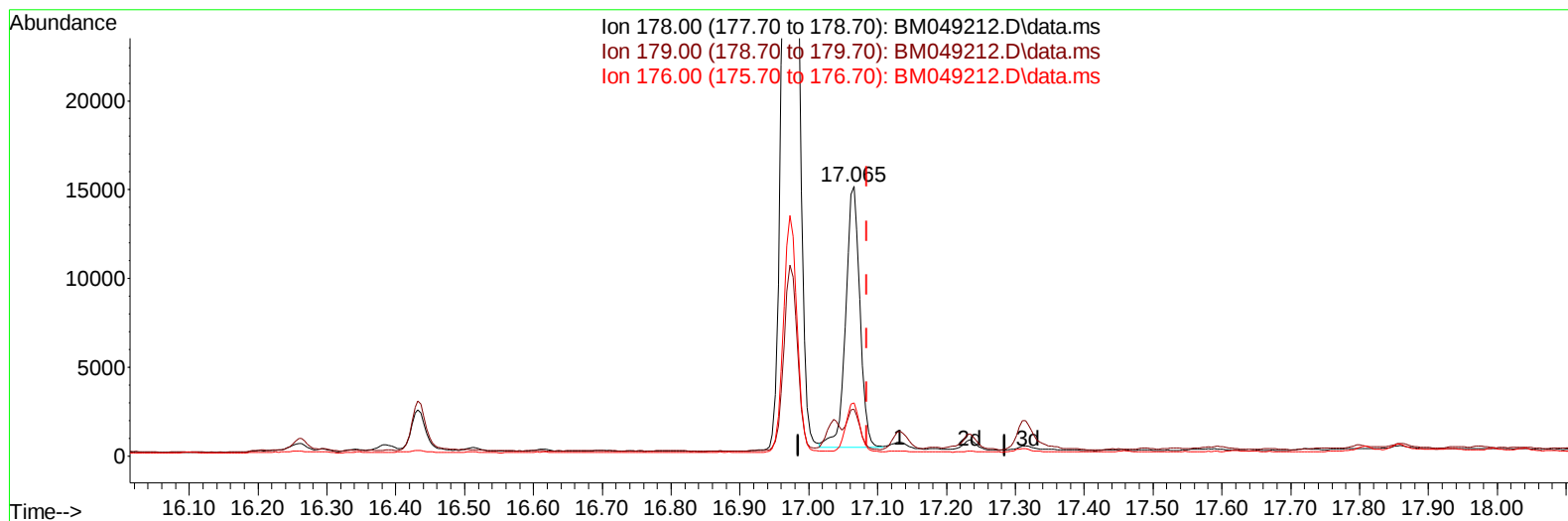
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(16) Anthracene

17.065min (-0.020) 0.30 ng/u1 m

response 21111

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	17.31
176.00	19.10	19.81
0.00	0.00	0.00

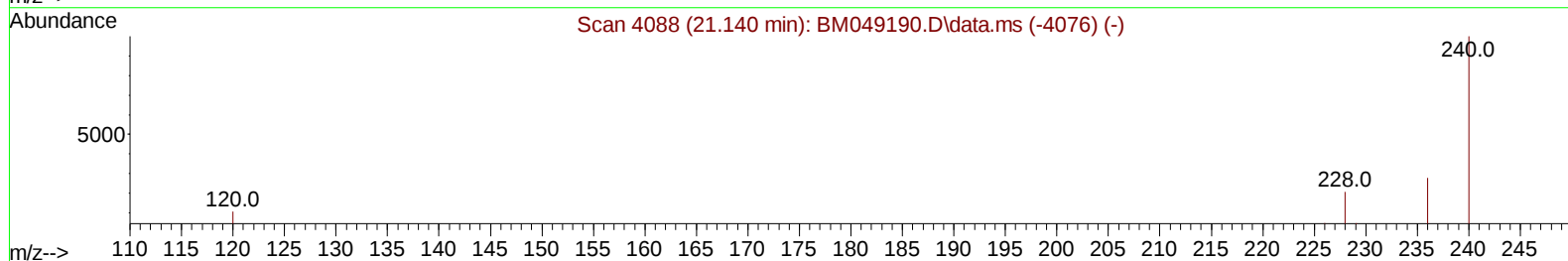
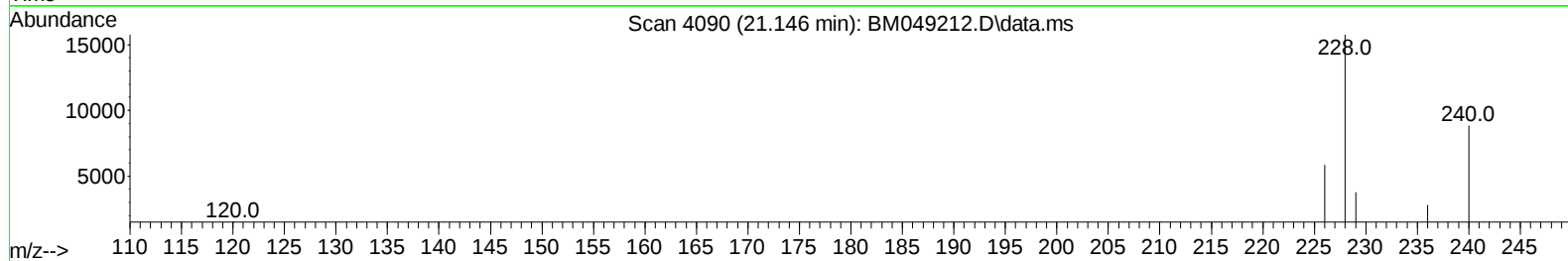
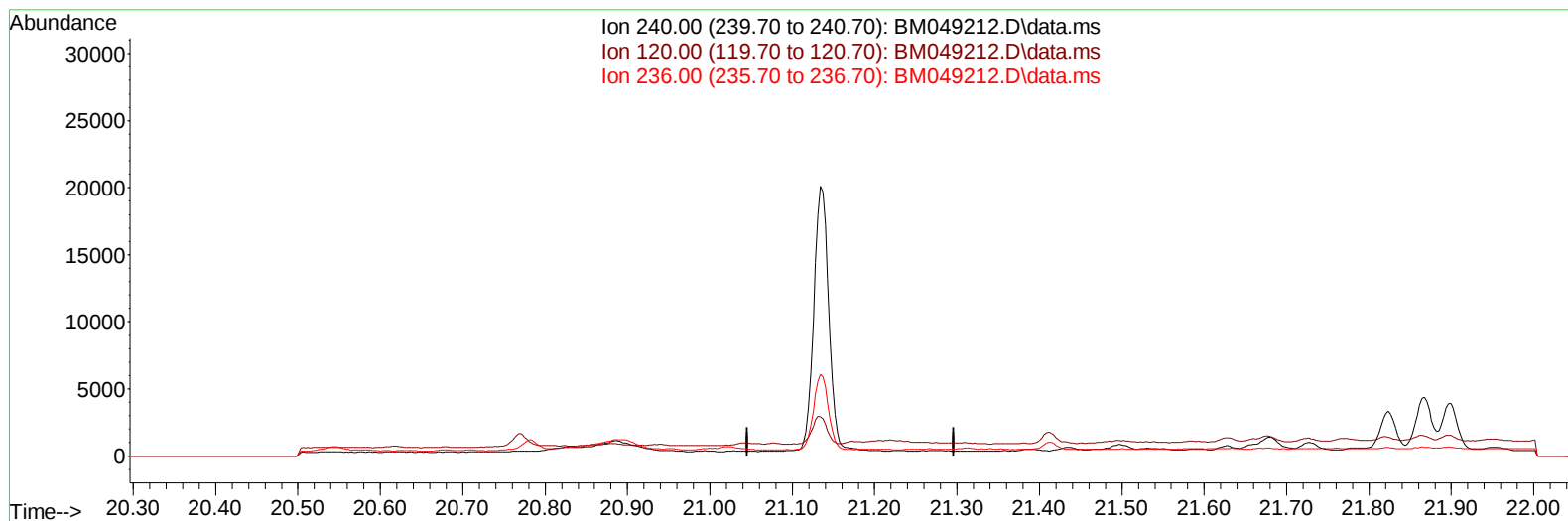
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
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Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049212.D\data.ms

(17) Chrysene-d12

21.146min (-21.146) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	14.50	0.00#
236.00	29.80	0.00#
0.00	0.00	0.00

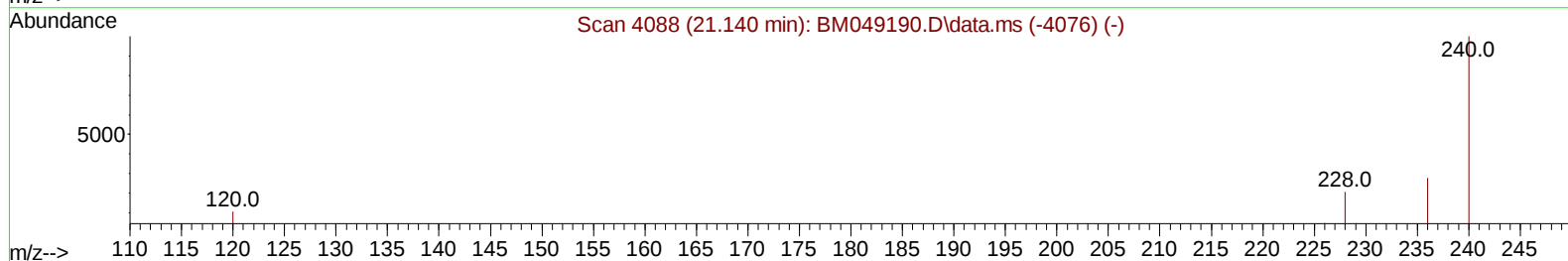
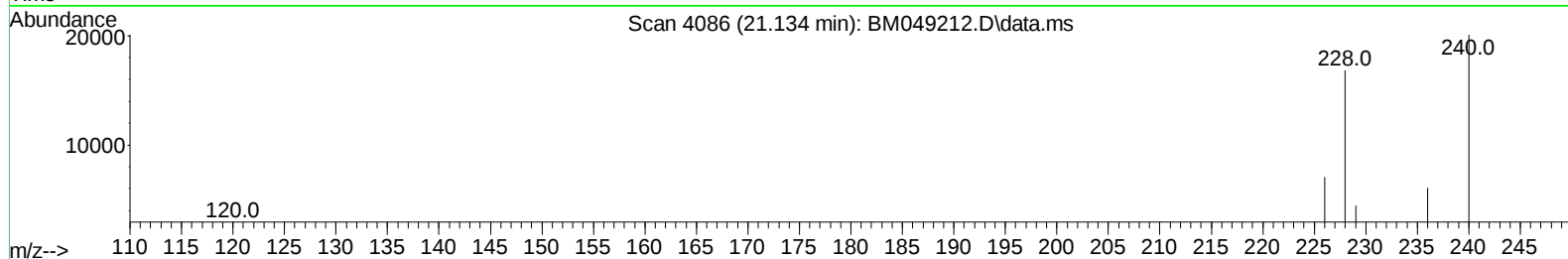
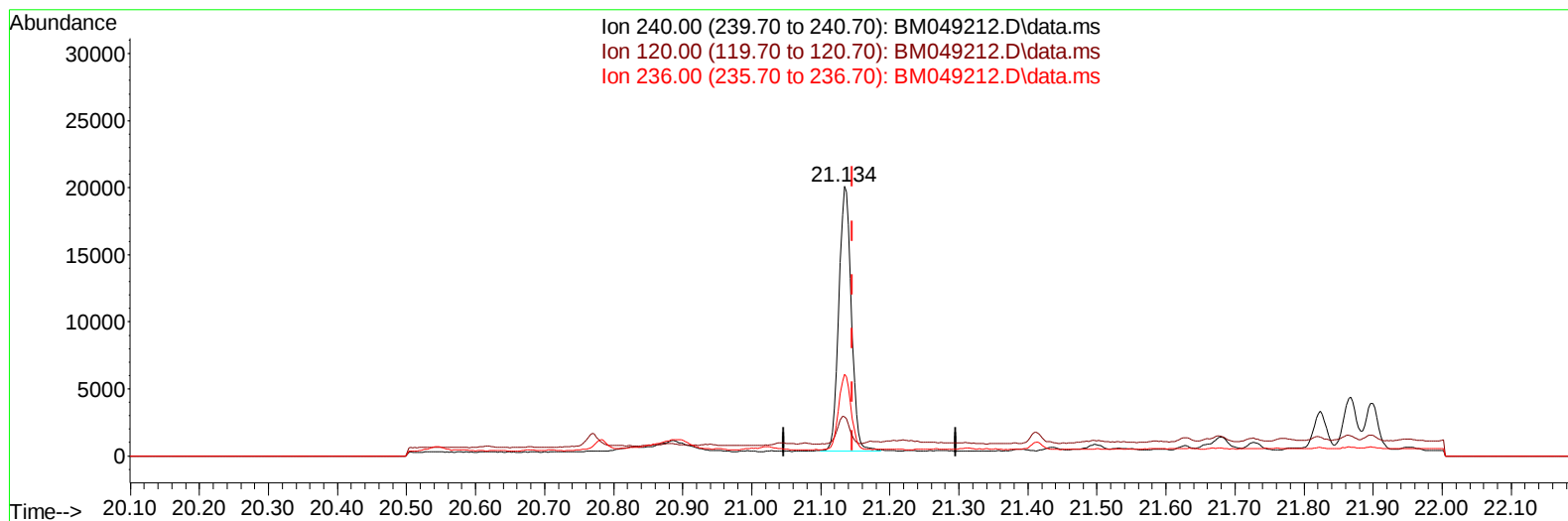
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049212.D\data.ms

(17) Chrysene-d12

21.134min (-0.012) 0.40 ng/u1 m

response 24985

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	14.63
236.00	29.80	30.32
0.00	0.00	0.00

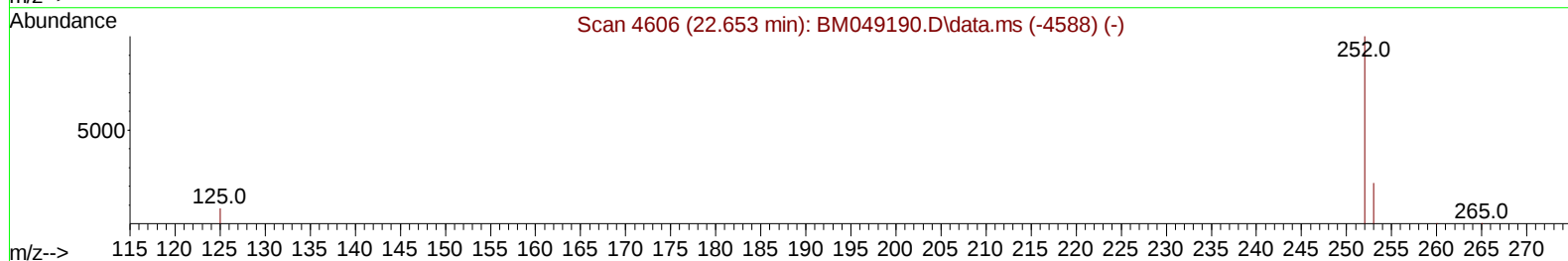
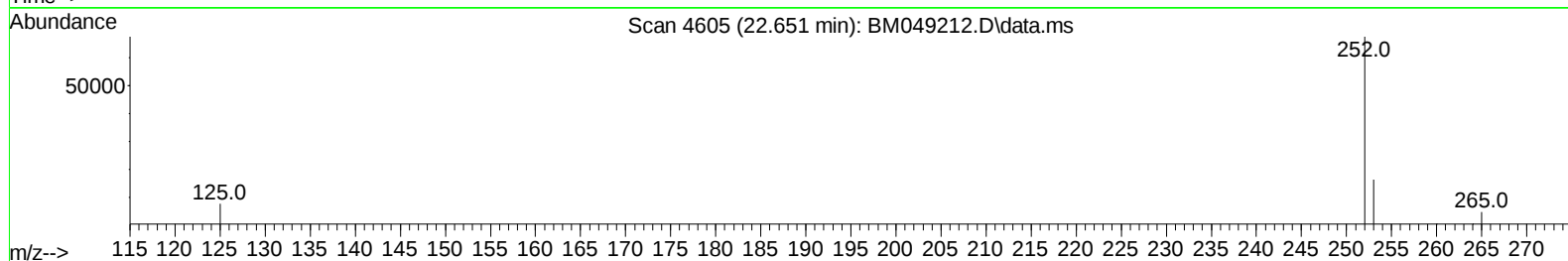
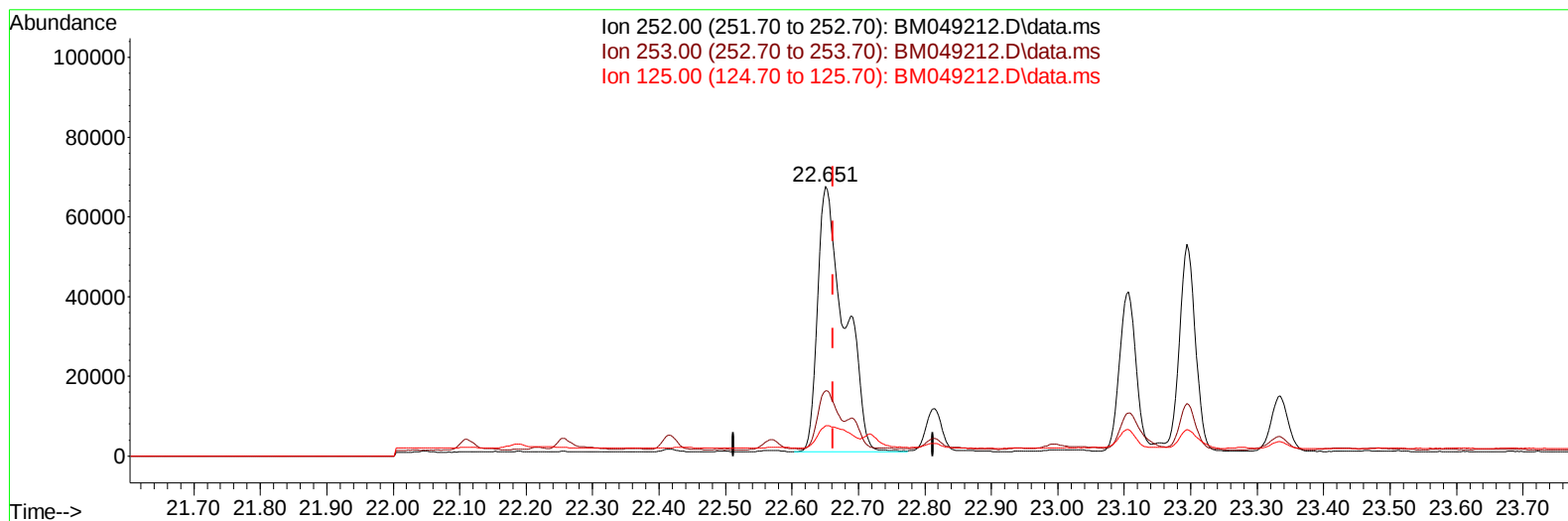
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049212.D\data.ms

(24) Benzo(b)fluoranthene

22.651min (-0.012) 2.03 ng/u1

response 187760

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	24.25
125.00	15.40	11.22
0.00	0.00	0.00

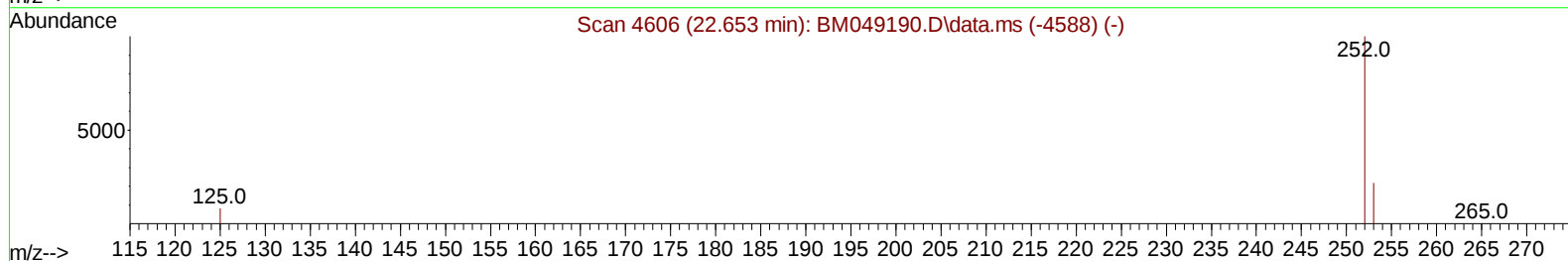
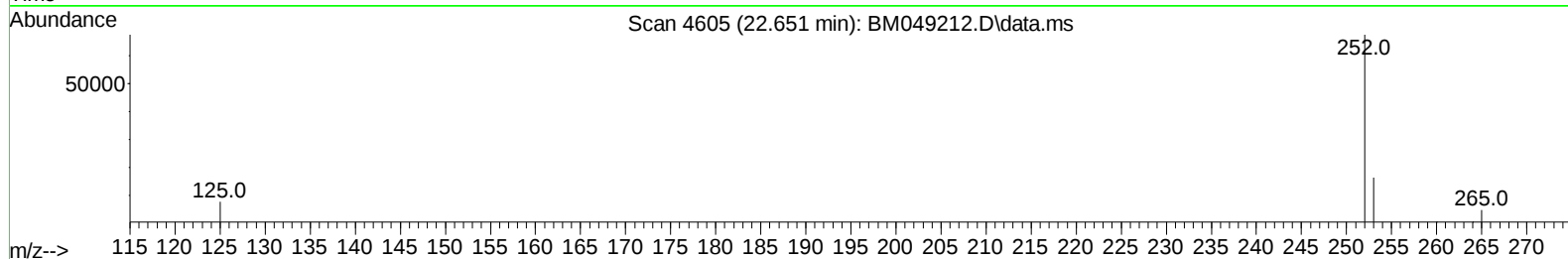
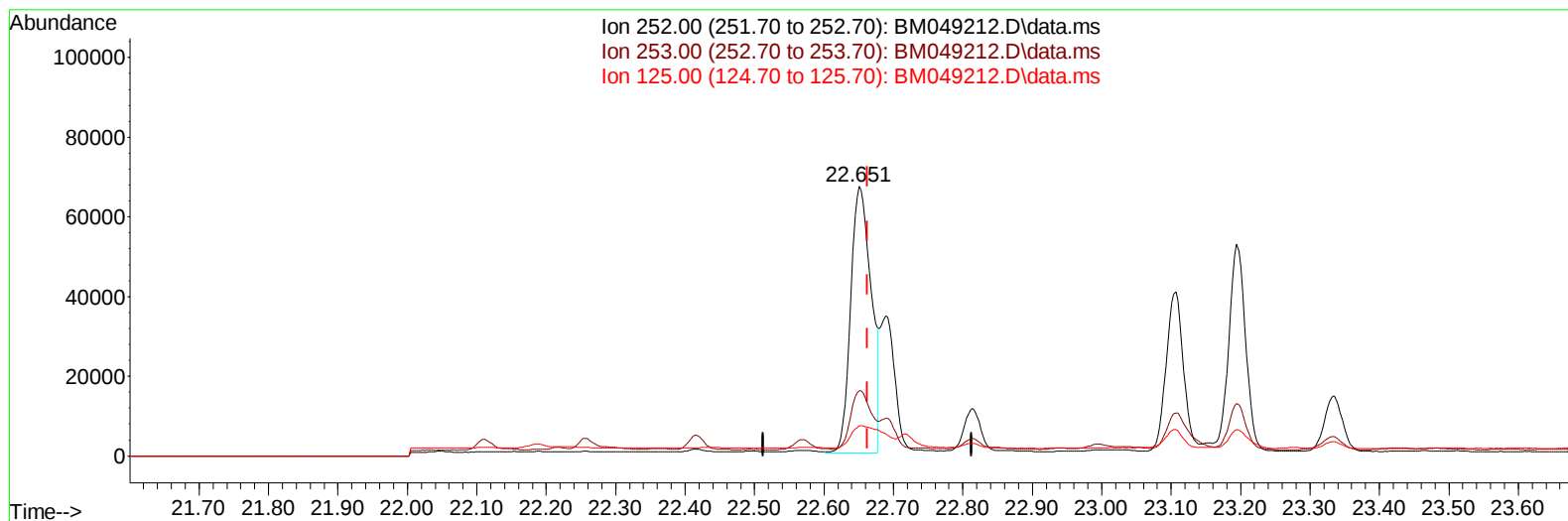
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049212.D\data.ms

(24) Benzo(b)fluoranthene

22.651min (-0.012) 1.48 ng/u1 m

response 137336

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	24.25
125.00	15.40	11.22
0.00	0.00	0.00

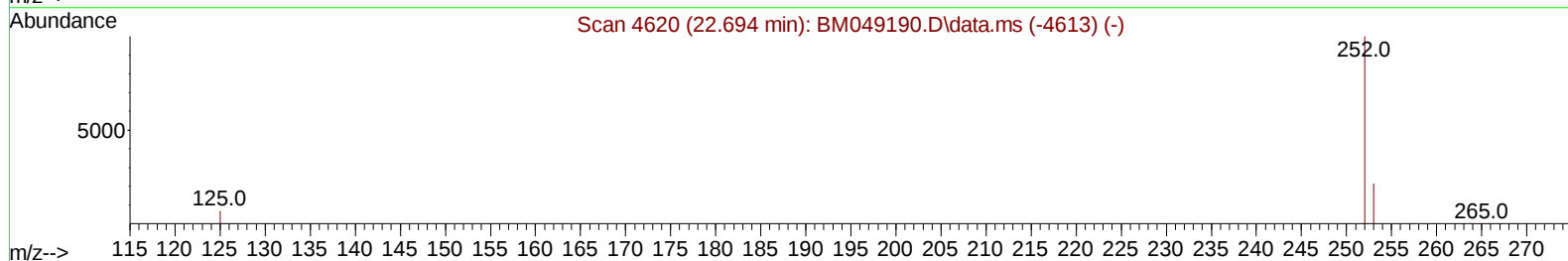
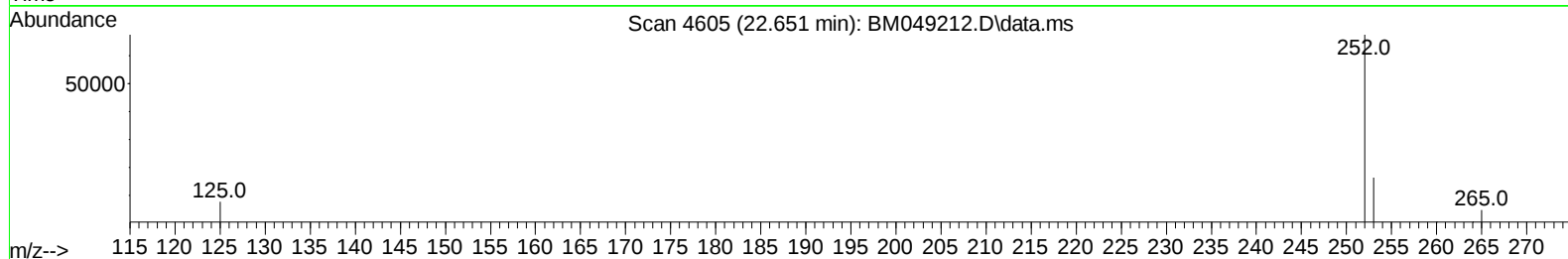
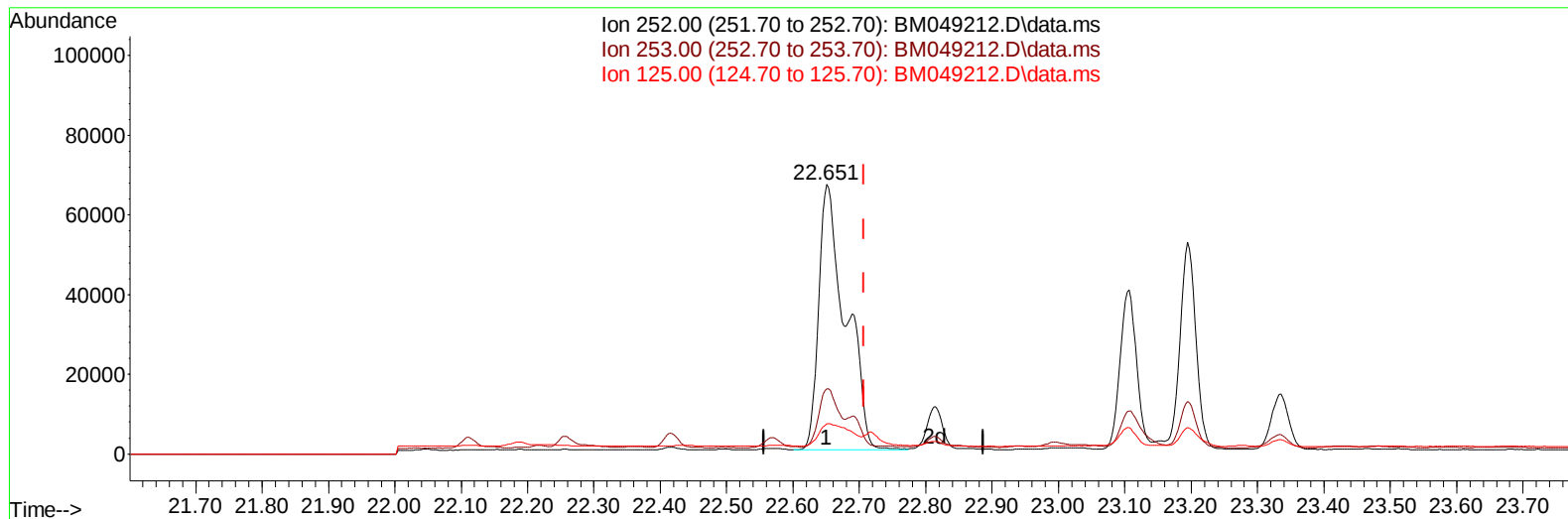
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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QLast Update : Wed Dec 18 15:33:13 2024
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(25) Benzo(k)fluoranthene

22.651min (-0.056) 1.85 ng/u1

response 187781

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	24.25
125.00	15.70	11.22#
0.00	0.00	0.00

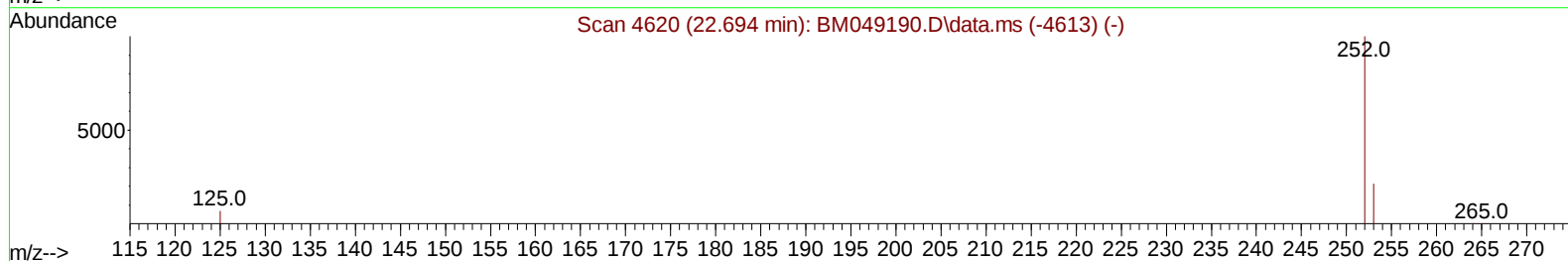
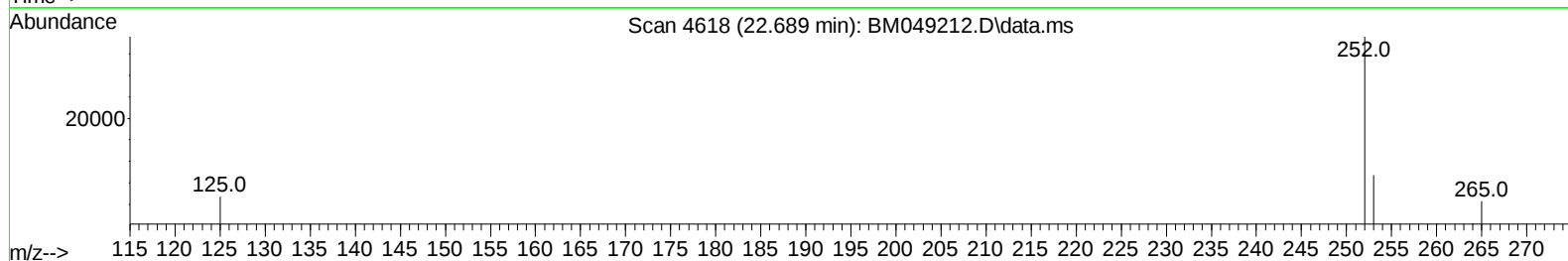
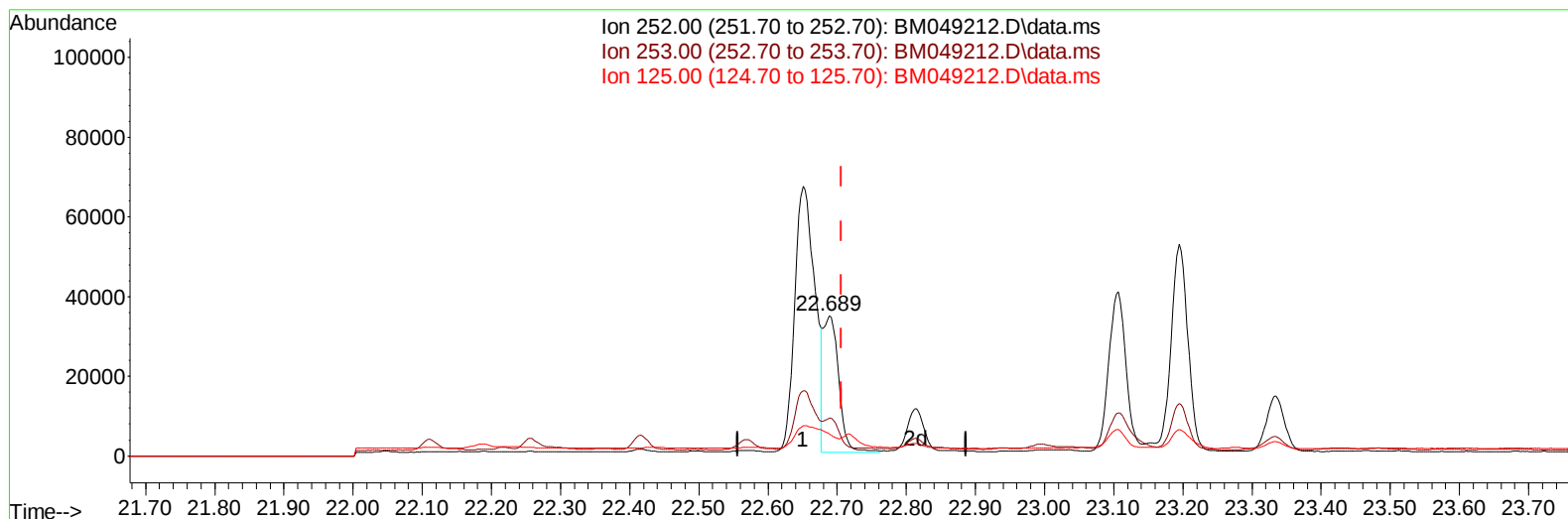
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049212.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (-0.018) 0.52 ng/u1 m

response 52536

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	26.86
125.00	15.70	15.48
0.00	0.00	0.00

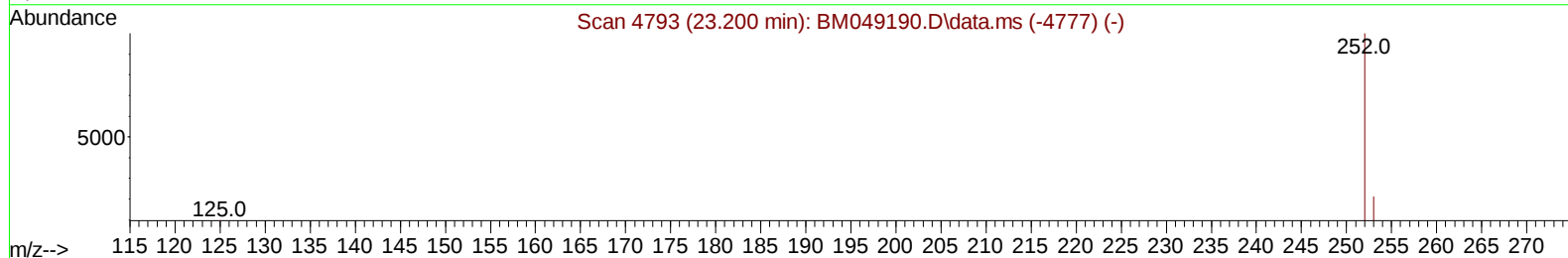
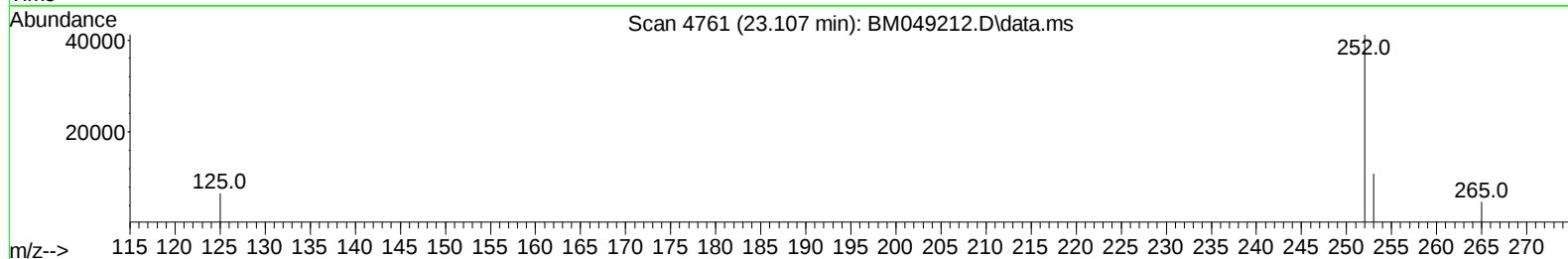
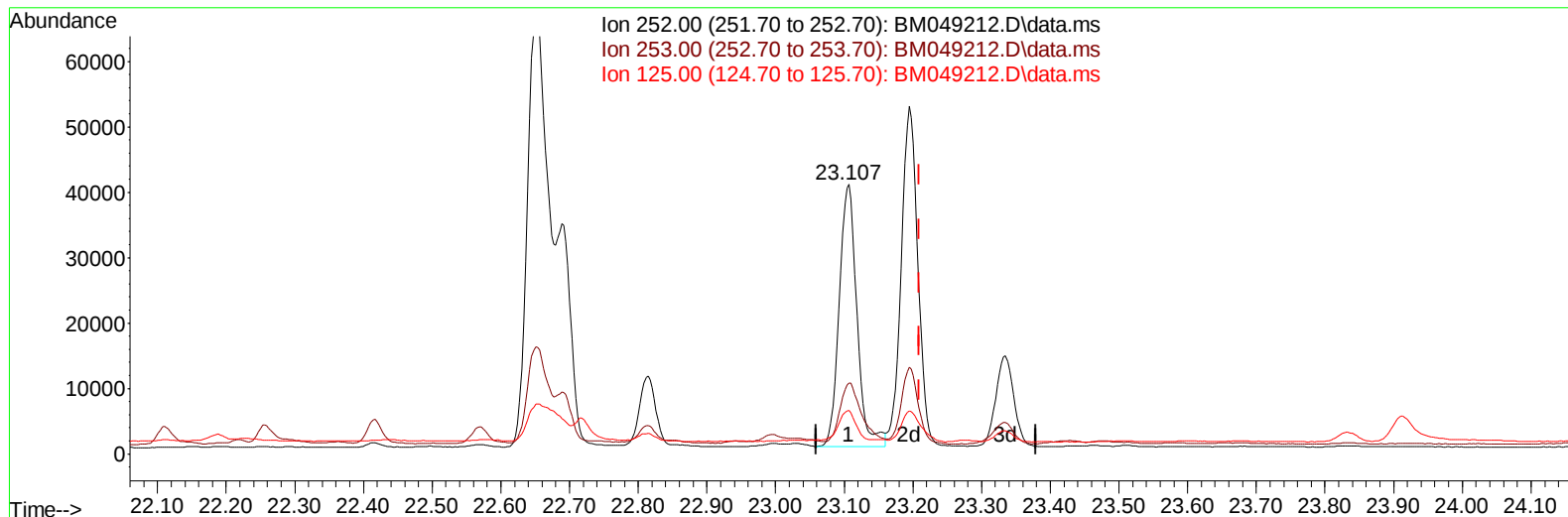
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(26) Benzo(a)pyrene (C)

23.107min (-0.103) 0.81 ng/u1

response 71533

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	26.32
125.00	18.50	16.13
0.00	0.00	0.00

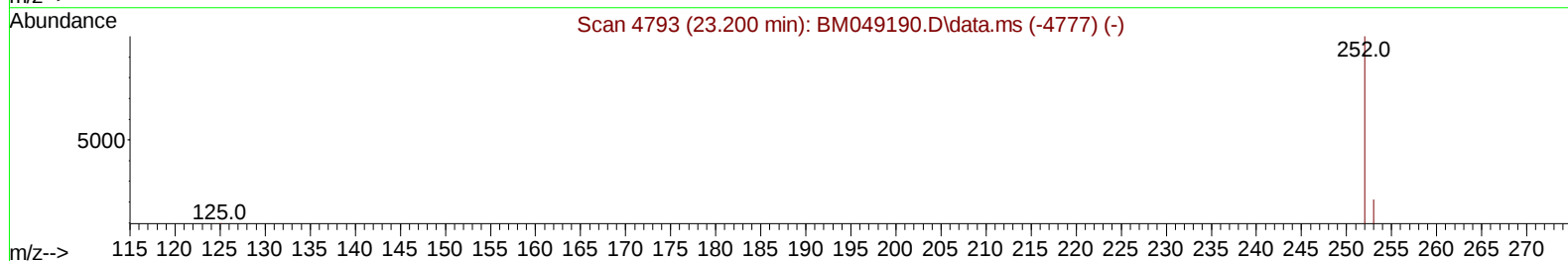
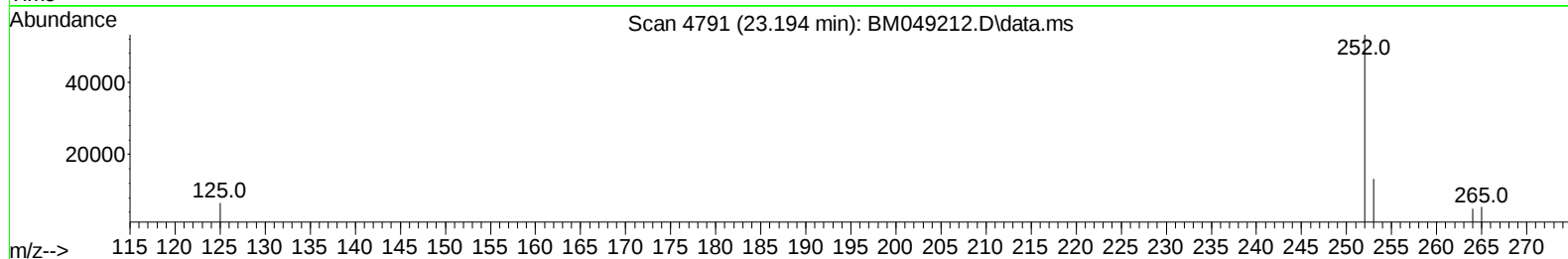
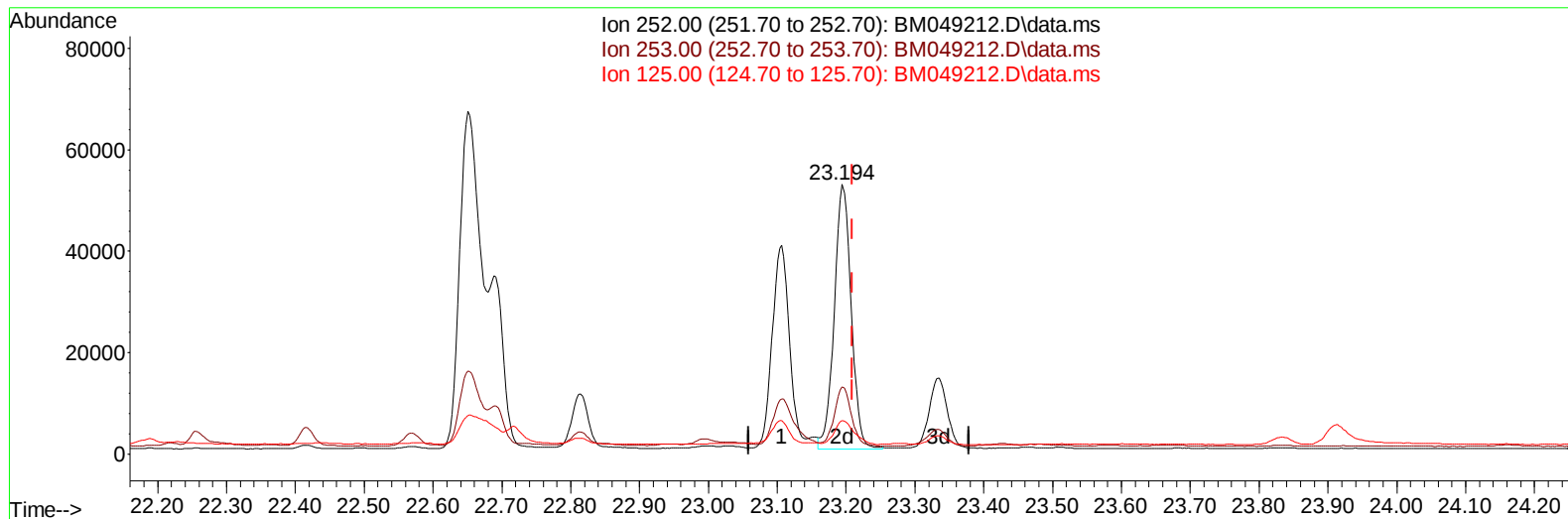
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049212.D
Acq On : 25 Dec 2024 08:32
Operator : RC/JU
Sample : P5333-05
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2908

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049212.D\data.ms

(26) Benzo(a)pyrene (C)

23.194min (-0.015) 1.00 ng/u1 m

response 89061

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	24.86
125.00	18.50	12.41#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	7390	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136	23335	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.183	164	13157	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.934	188	29086m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.134	240	24985m	0.400	ng/ul	-0.01
23) Perylene-d12	23.288	264	28950	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	40202	4.717	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.904	152	8724	0.278	ng/ul	-0.02
18) Fluoranthene-d10	18.970	212	15041	0.212	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.359	128	9955	0.170	ng/ul	96
7) 2-Methylnaphthalene	11.981	142	5224	0.141	ng/ul	96
8) 1-Methylnaphthalene	12.201	142	4018	0.106	ng/ul	100
10) Acenaphthylene	13.901	152	6691	0.123	ng/ul#	85
11) Acenaphthene	14.243	153	4505	0.113	ng/ul	98
12) Fluorene	15.238	166	4425	0.099	ng/ul#	97
15) Phenanthrene	16.972	178	94167m	1.240	ng/ul	
16) Anthracene	17.065	178	21111m	0.303	ng/ul	
19) Fluoranthene	18.998	202	228263	2.527	ng/ul	99
20) Pyrene	19.365	202	183807	1.908	ng/ul	97
21) Benzo(a)anthracene	21.120	228	101798	1.171	ng/ul	98
22) Chrysene	21.172	228	104949	1.125	ng/ul	97
24) Benzo(b)fluoranthene	22.651	252	137336m	1.485	ng/ul	
25) Benzo(k)fluoranthene	22.689	252	52536m	0.518	ng/ul	
26) Benzo(a)pyrene	23.194	252	89061m	1.004	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.420	276	71796	0.572	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.423	278	16788	0.172	ng/ul#	83
29) Benzo(g,h,i)perylene	26.067	276	75995	0.753	ng/ul	99

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

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