

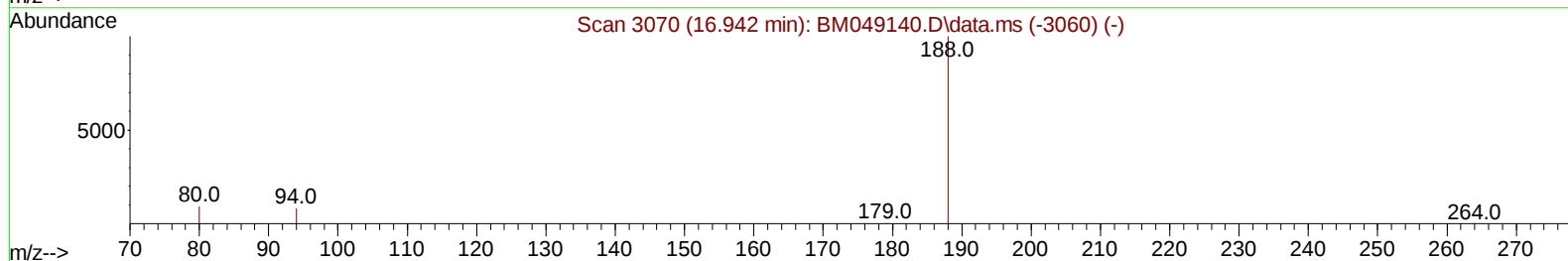
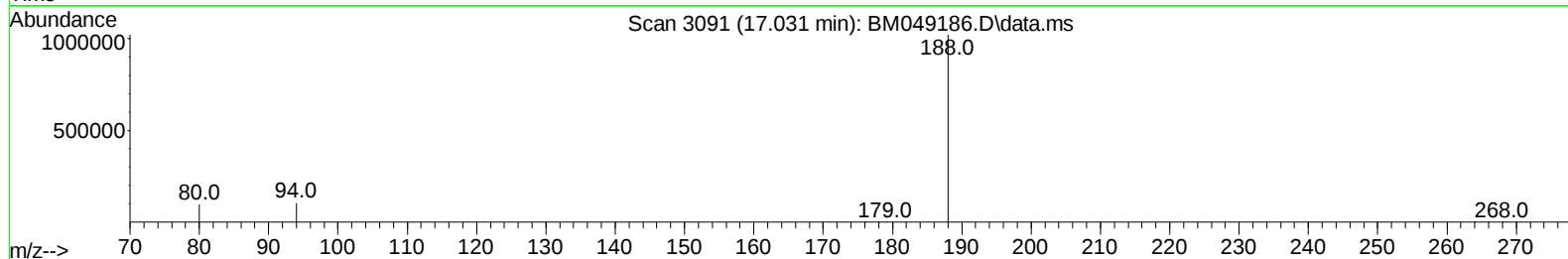
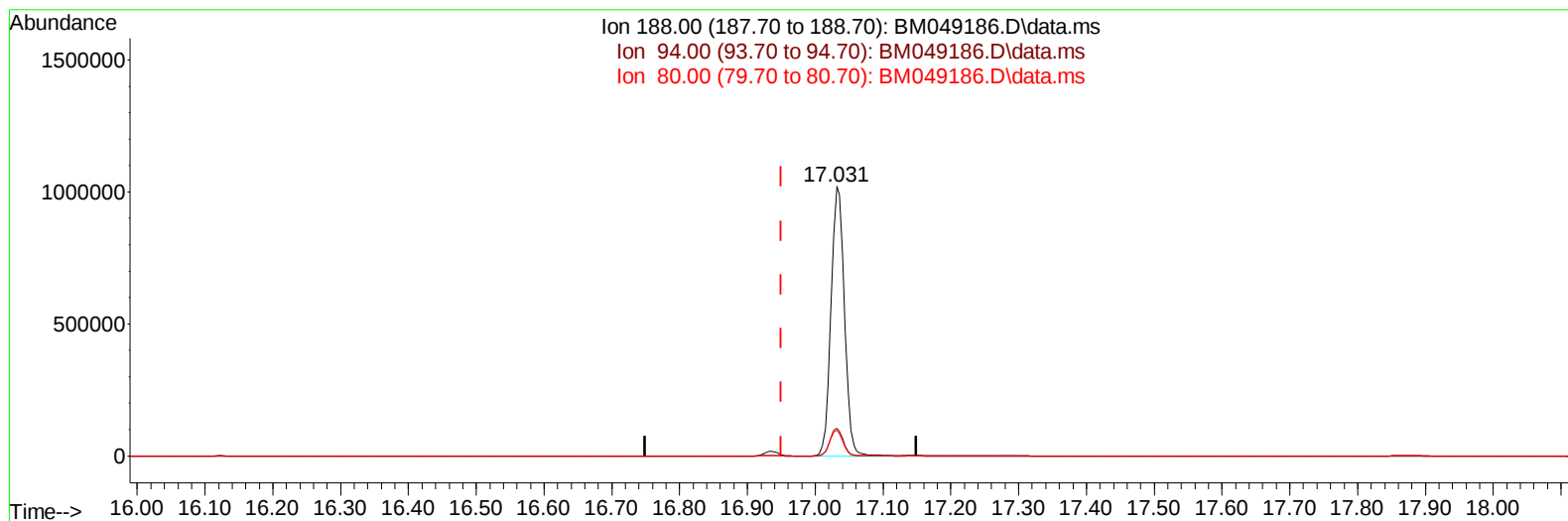
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(13) Phenanthrene-d10 (I)

17.031min (+ 0.082) 0.40 ng/u1

response 1385618

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.31
80.00	10.70	9.49
0.00	0.00	0.00

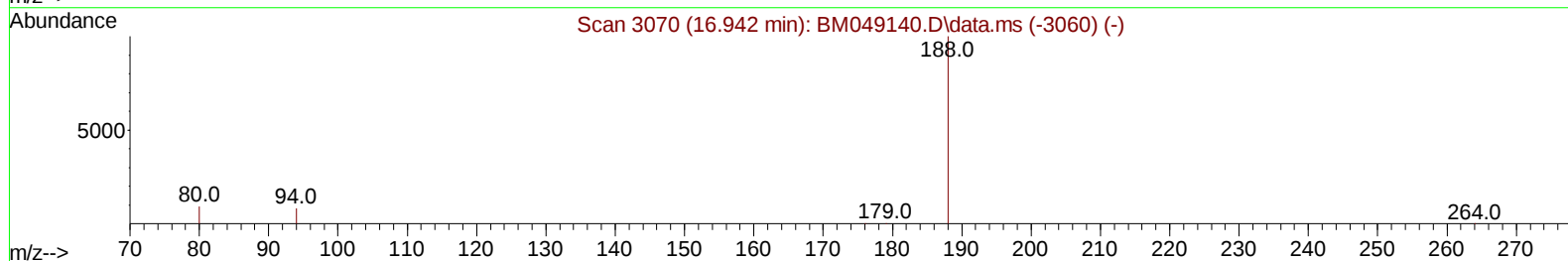
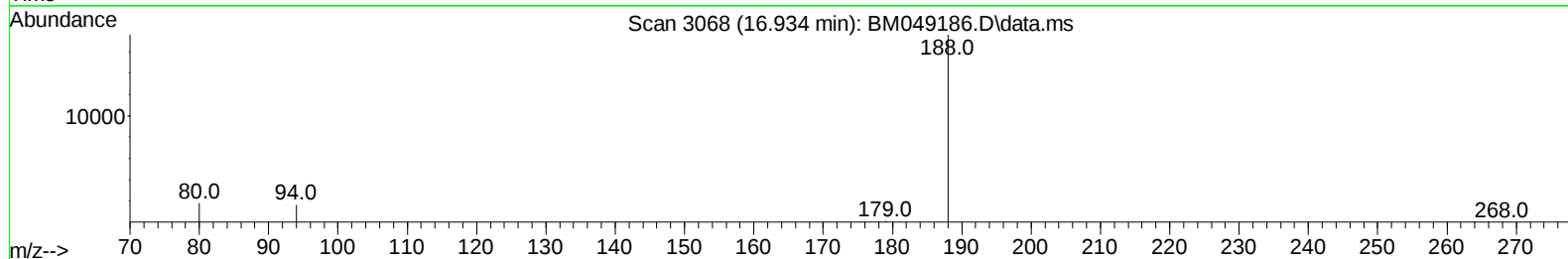
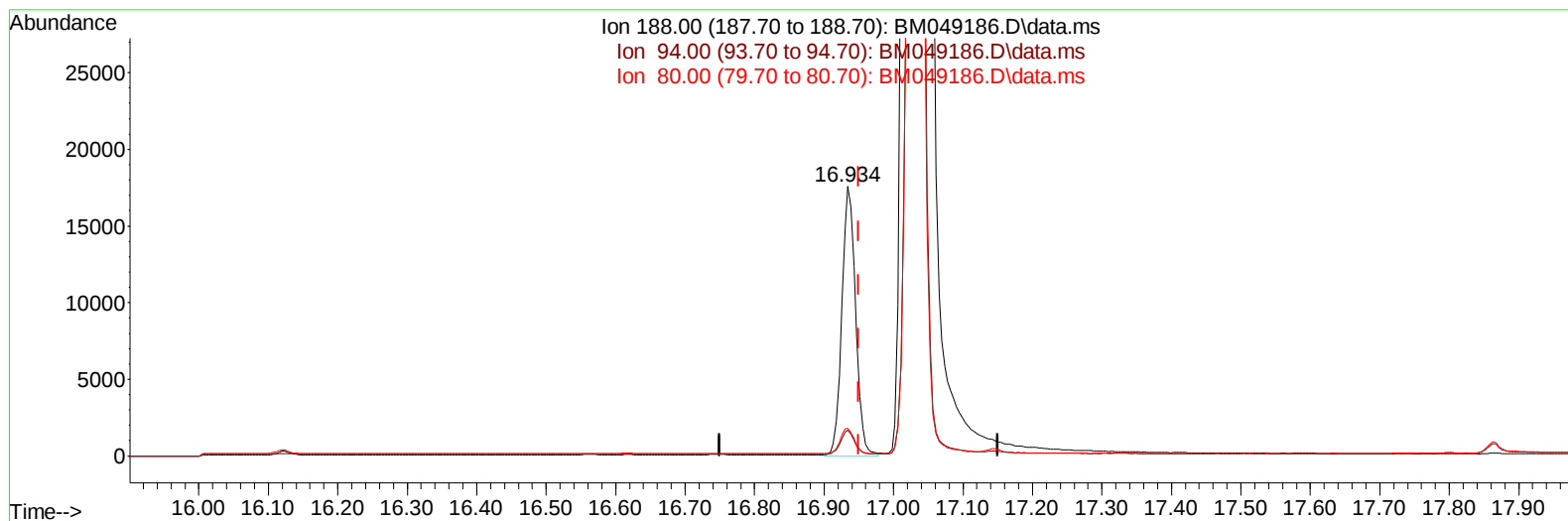
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(13) Phenanthrene-d10 (I)

16.934min (-0.016) 0.40 ng/ul m

response 24115

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.52
80.00	10.70	10.38
0.00	0.00	0.00

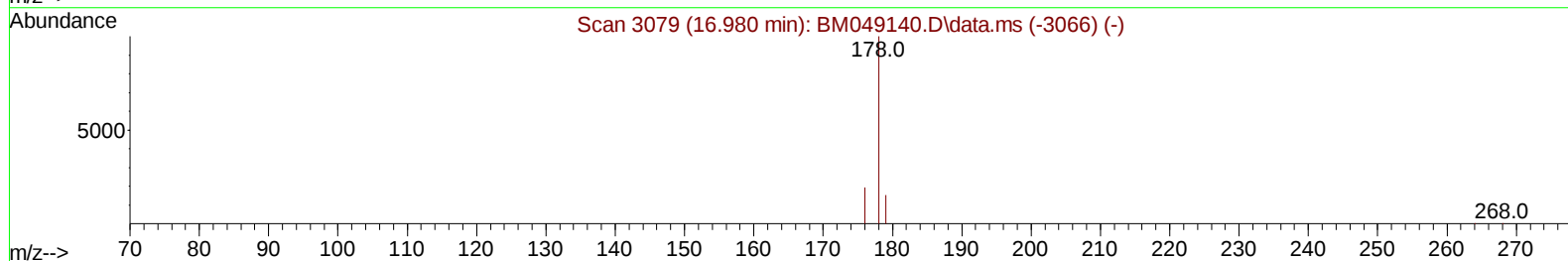
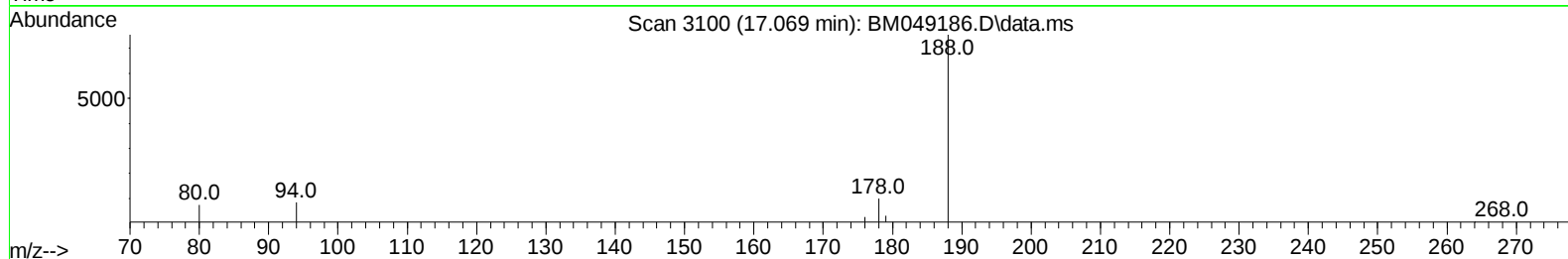
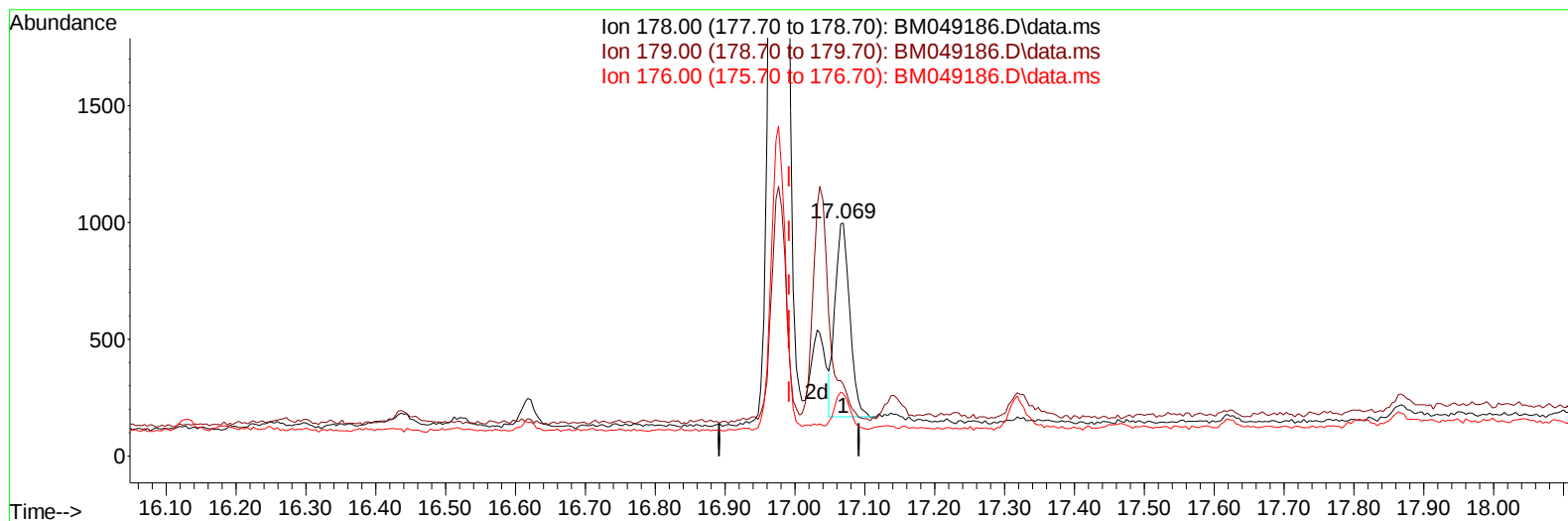
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(15) Phenanthrene

17.069min (+ 0.077) 0.02 ng/u1

response 1209

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	30.89#
176.00	20.20	26.98#
0.00	0.00	0.00

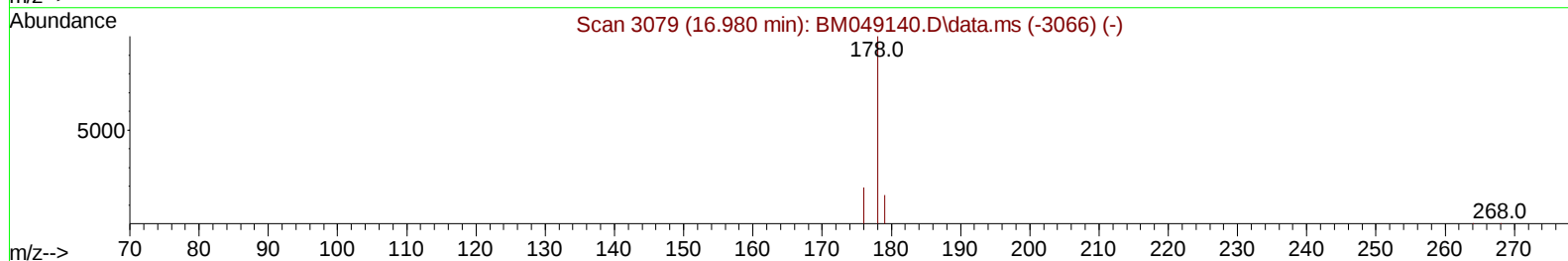
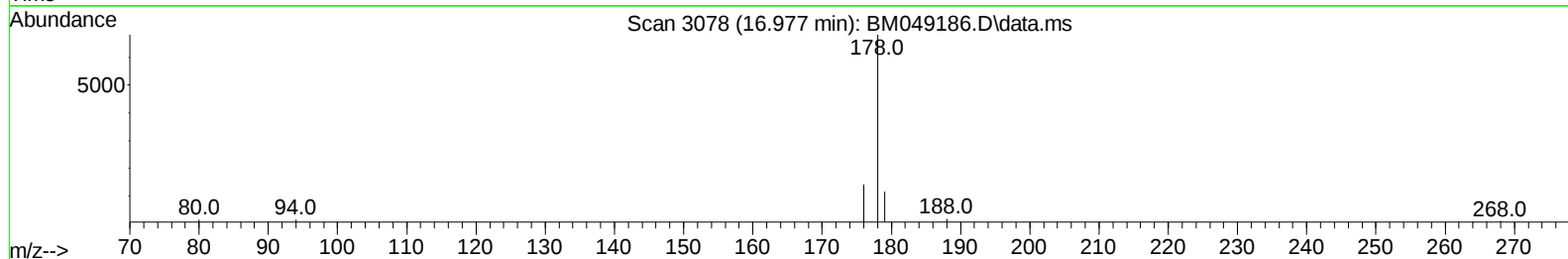
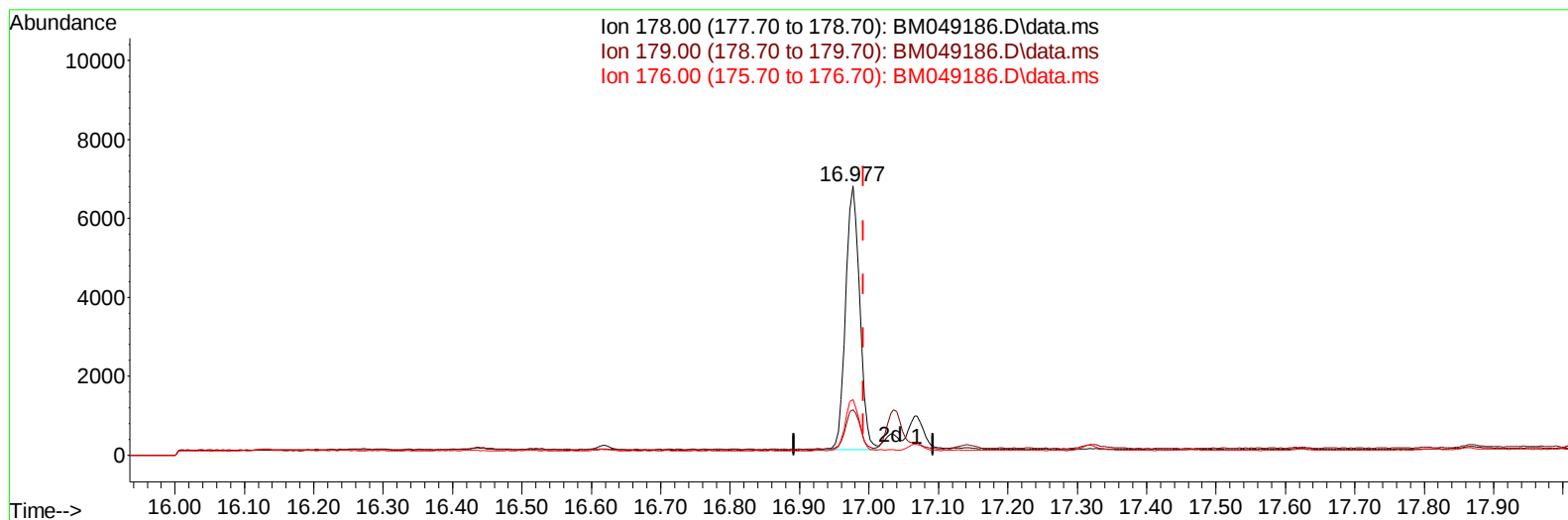
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(15) Phenanthrene

16.977min (-0.016) 0.15 ng/ul m

response 9429

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.96
176.00	20.20	20.75
0.00	0.00	0.00

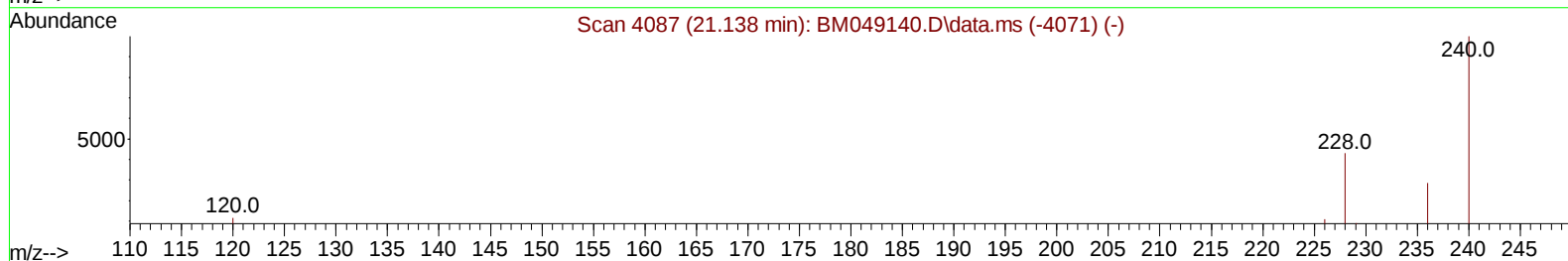
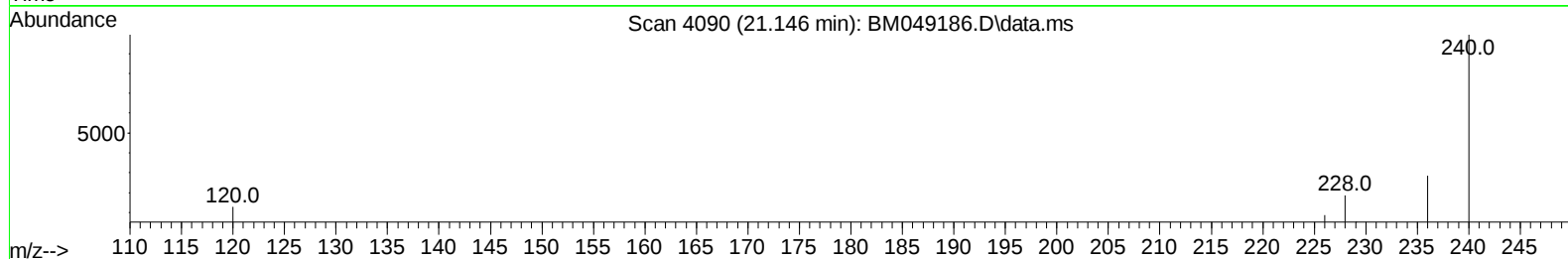
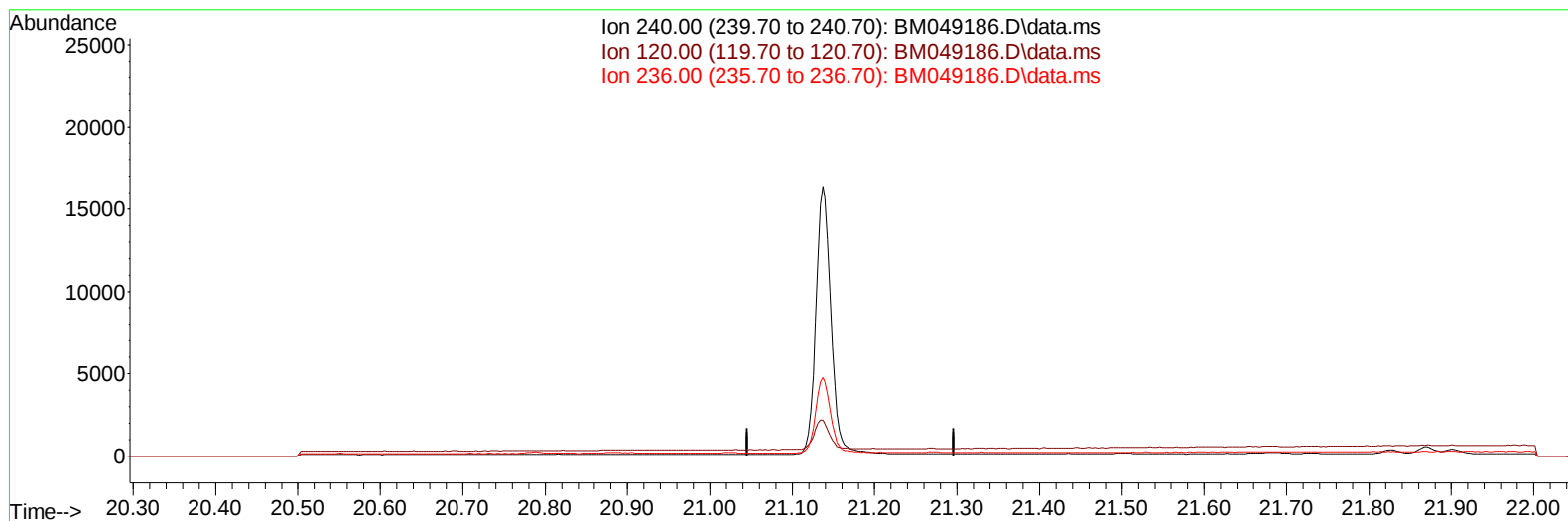
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.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

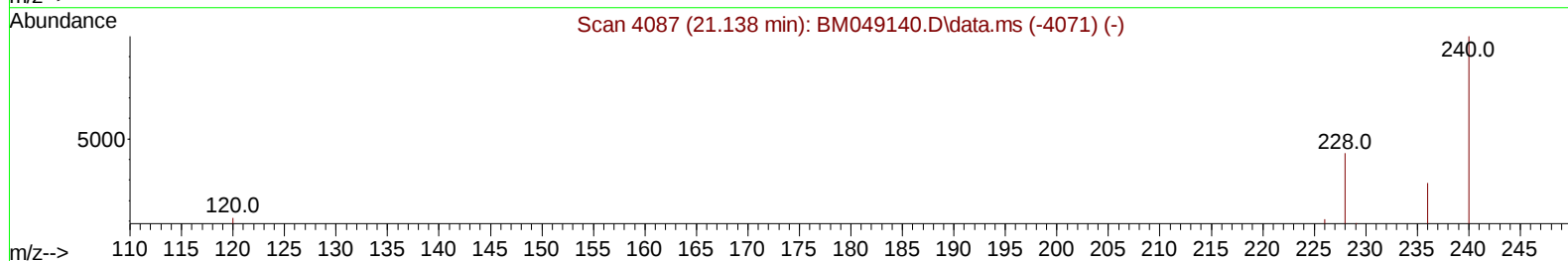
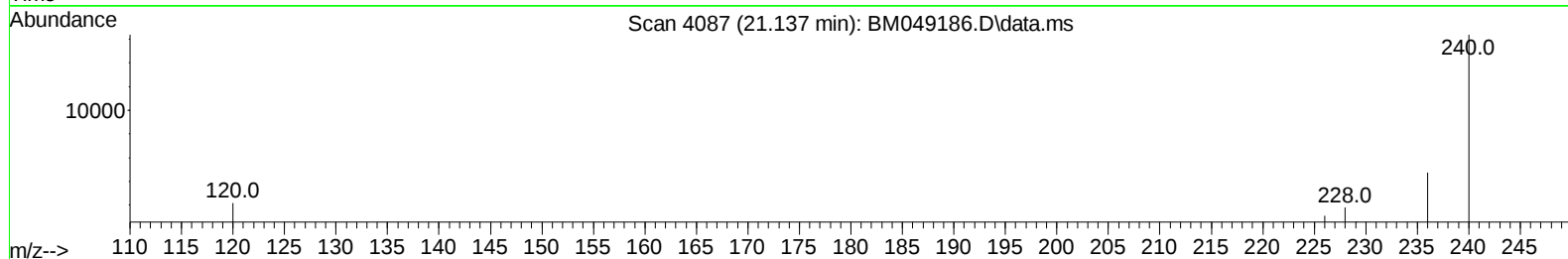
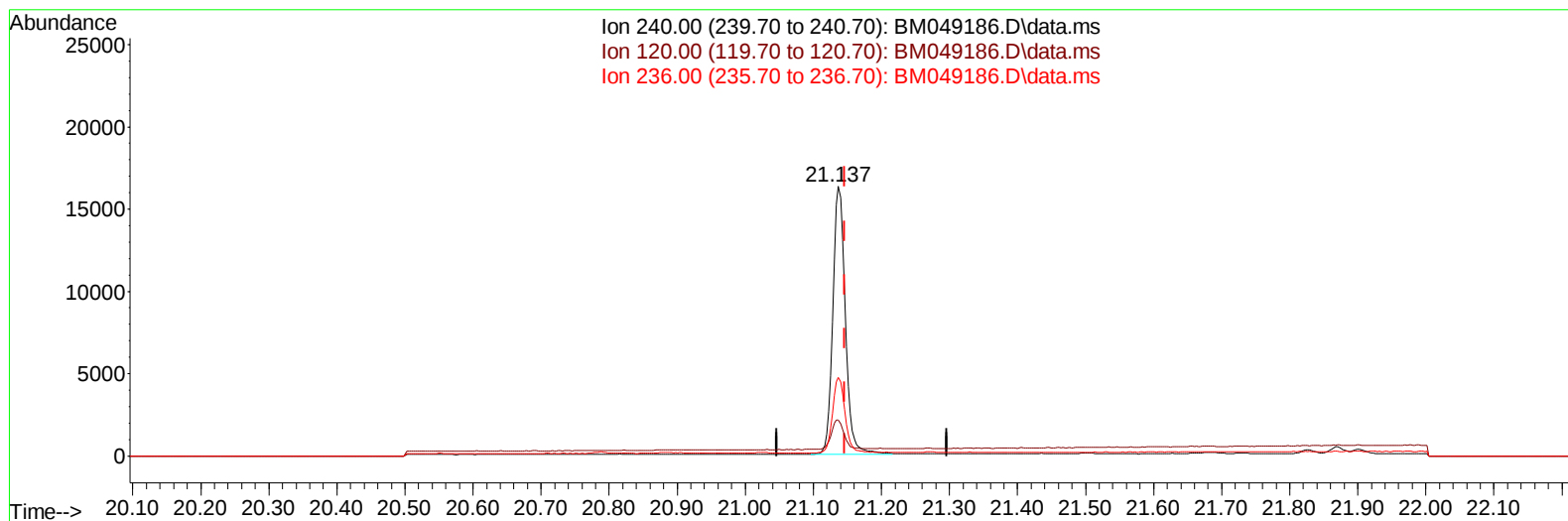
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(17) Chrysene-d12

21.137min (-0.009) 0.40 ng/ul m

response 20891

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.28
236.00	29.80	29.10
0.00	0.00	0.00

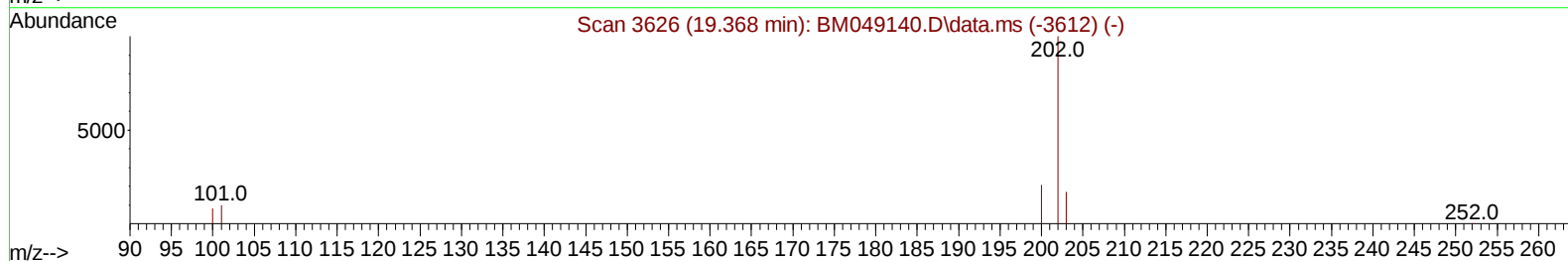
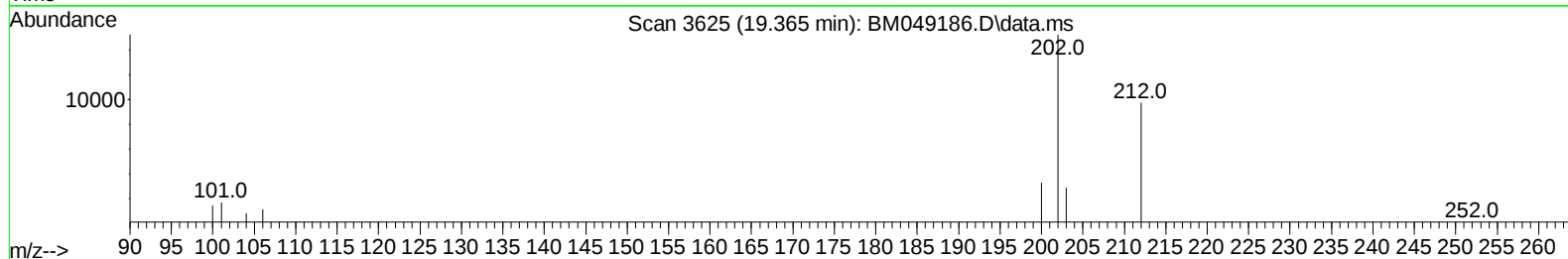
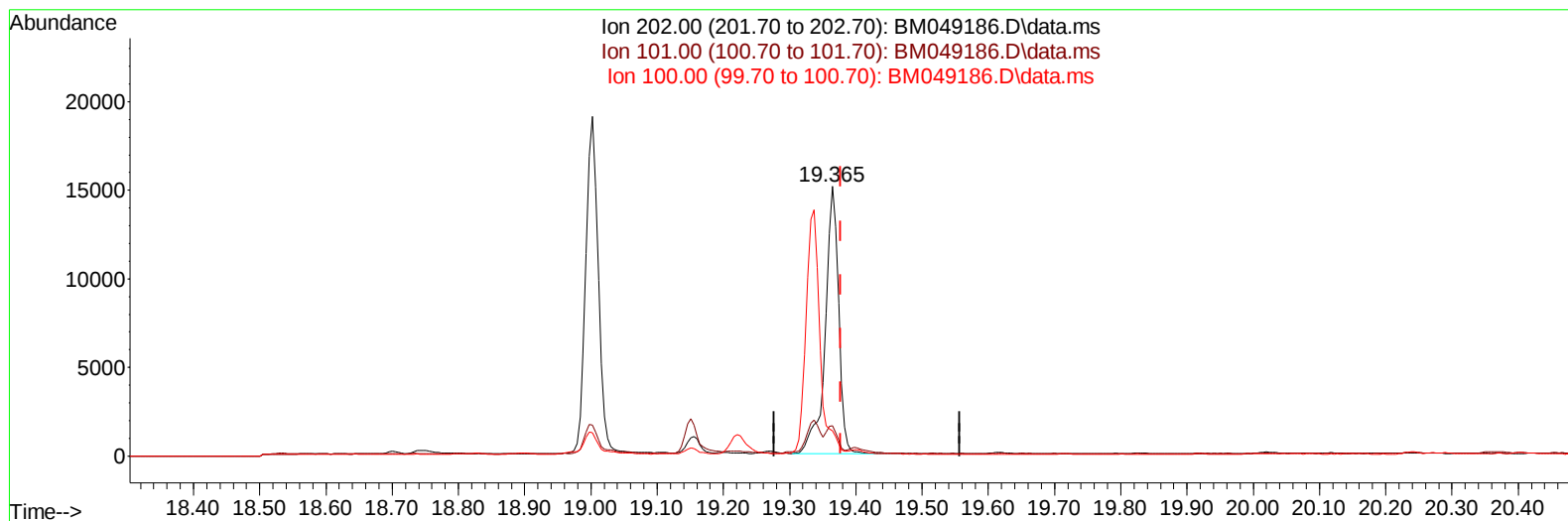
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(20) Pyrene

19.365min (-0.013) 0.26 ng/u1

response 21206

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.23
100.00	8.60	9.32
0.00	0.00	0.00

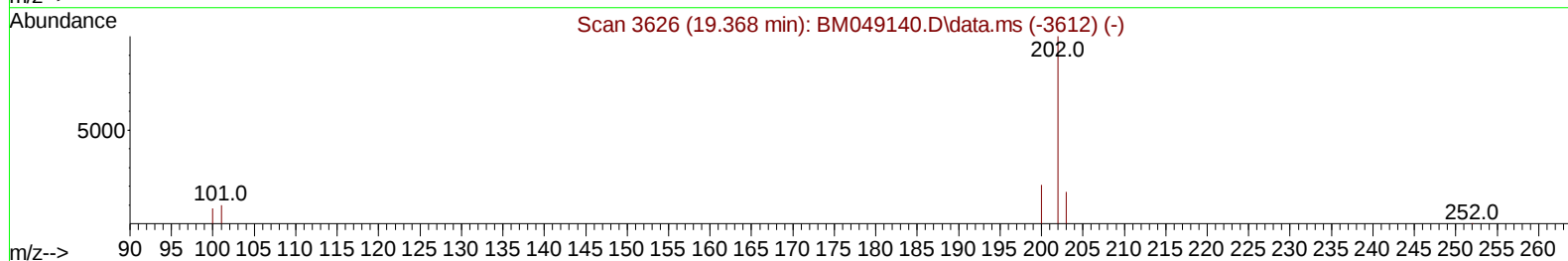
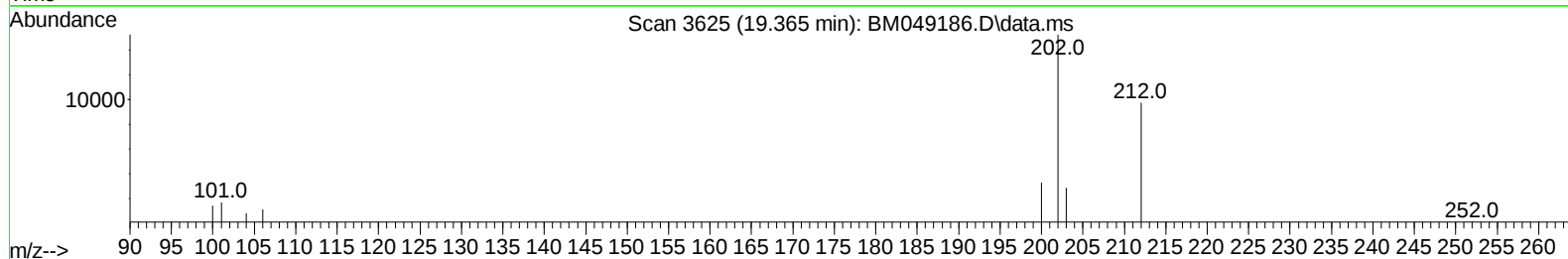
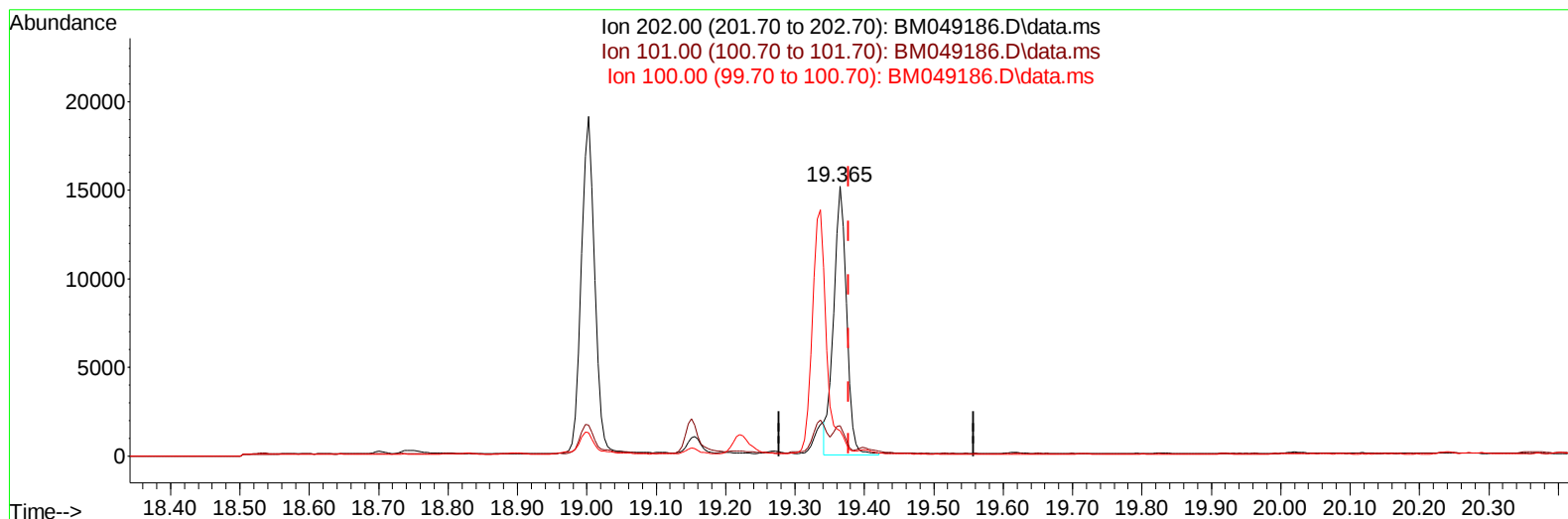
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(20) Pyrene

19.365min (-0.013) 0.24 ng/ul m

response 19685

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.23
100.00	8.60	9.32
0.00	0.00	0.00

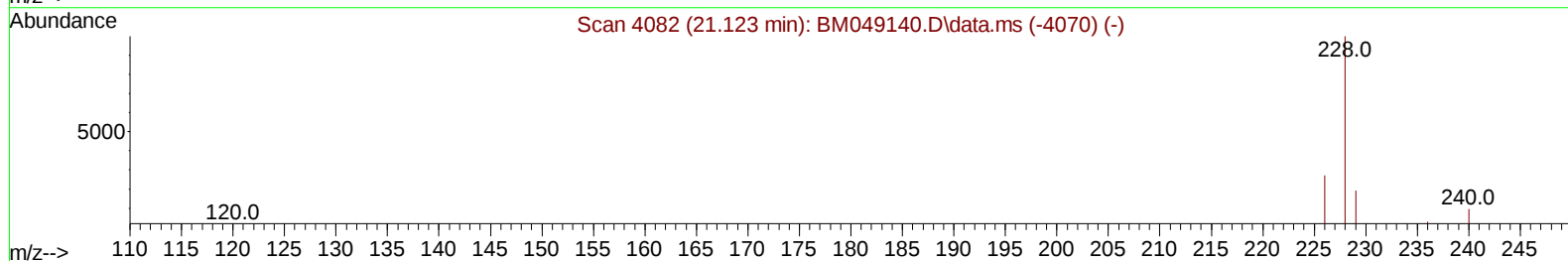
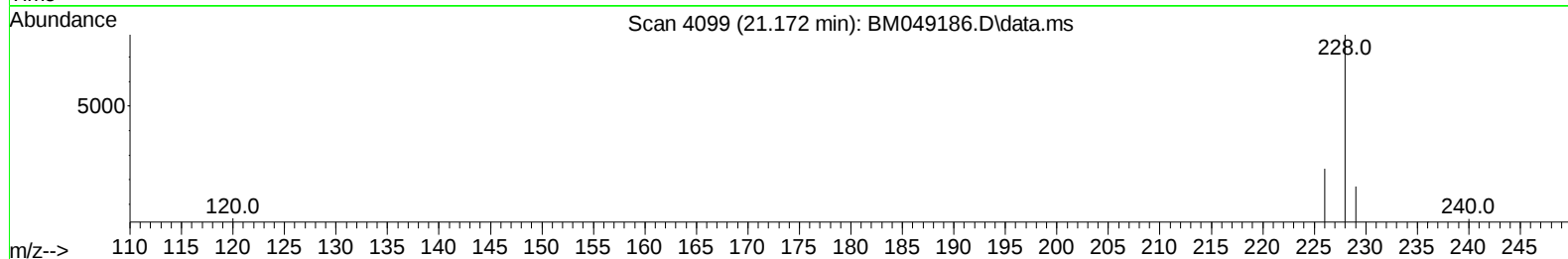
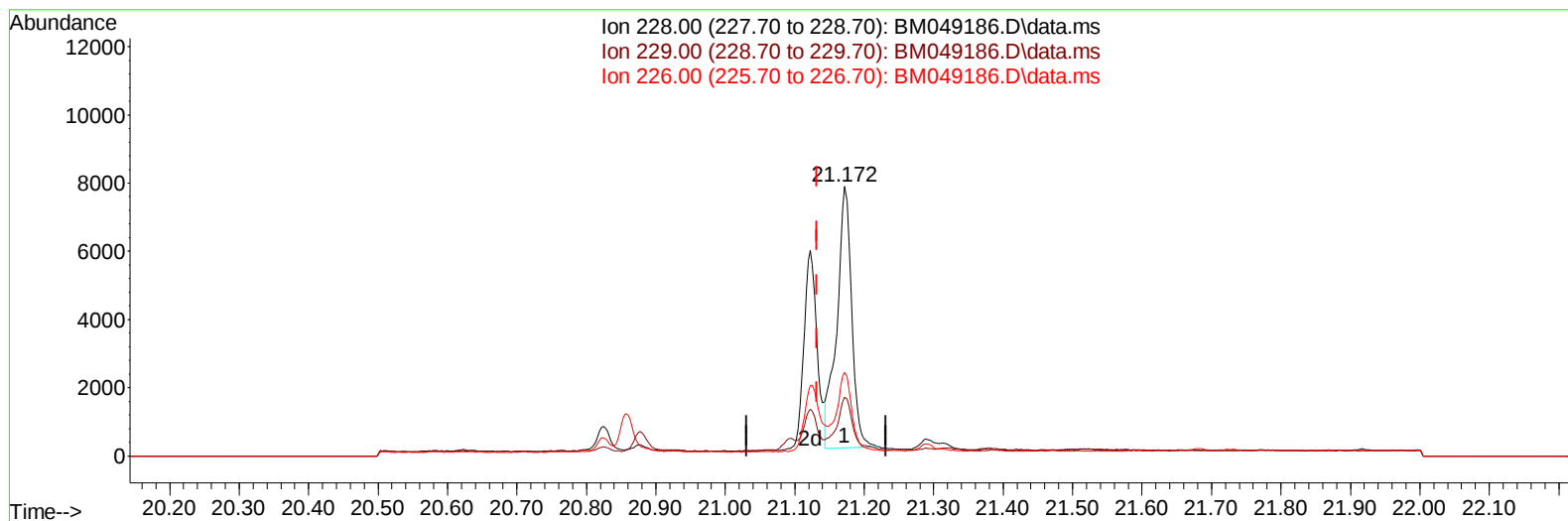
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(21) Benzo(a)anthracene

21.172min (+ 0.041) 0.16 ng/u1

response 11506

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	21.78
226.00	28.30	31.05
0.00	0.00	0.00

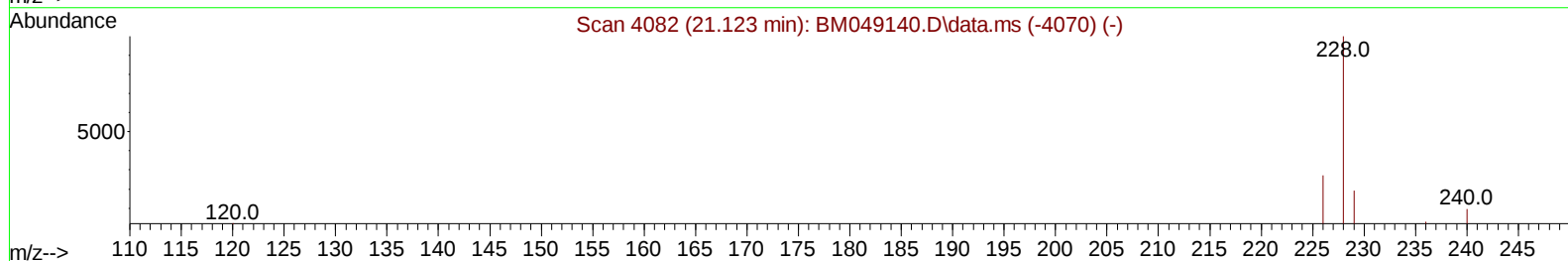
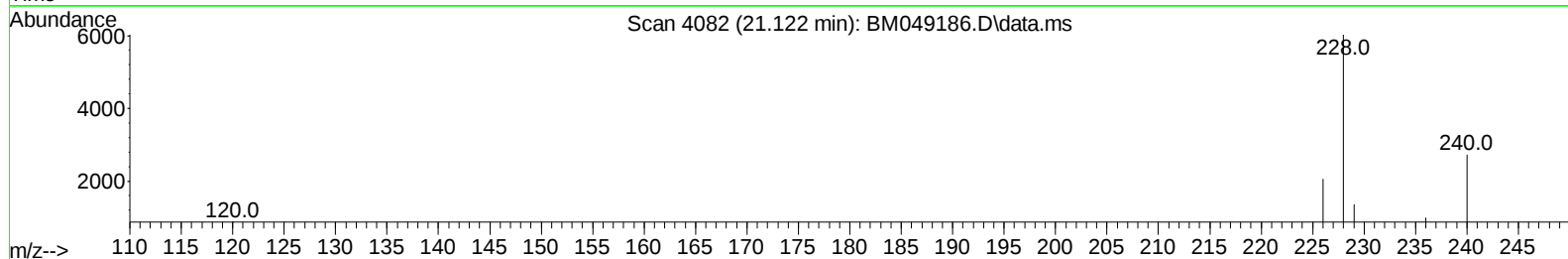
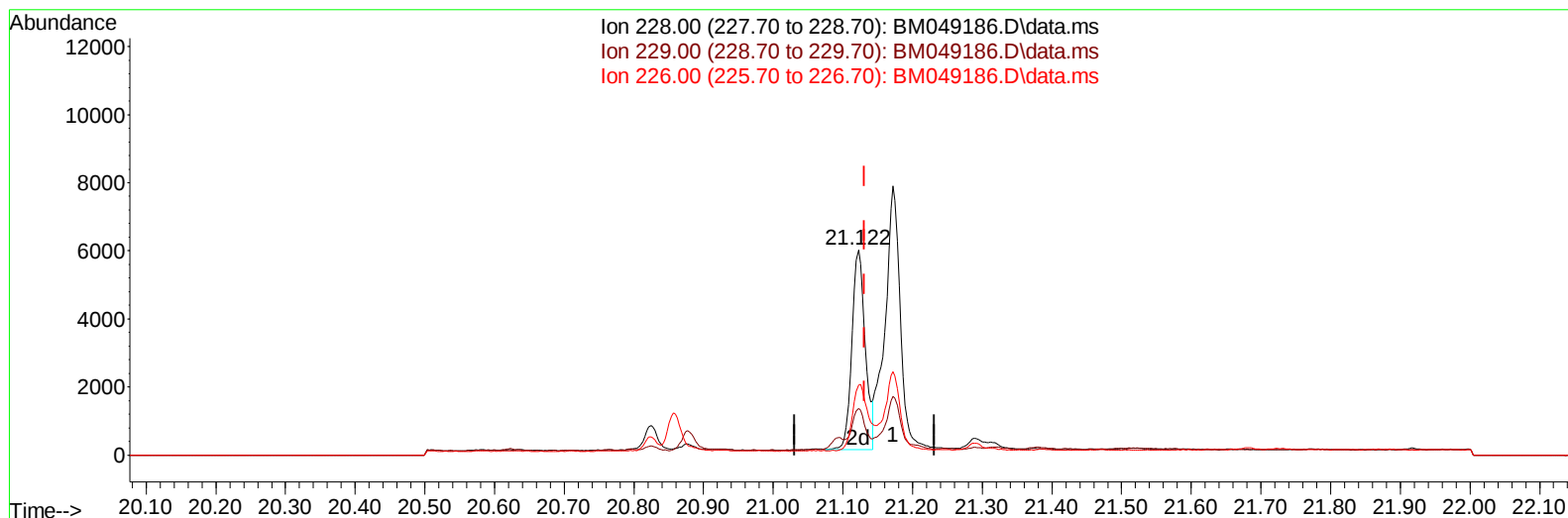
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(21) Benzo(a)anthracene

21.122min (-0.009) 0.11 ng/u1 m

response 7867

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	22.72
226.00	28.30	34.10#
0.00	0.00	0.00

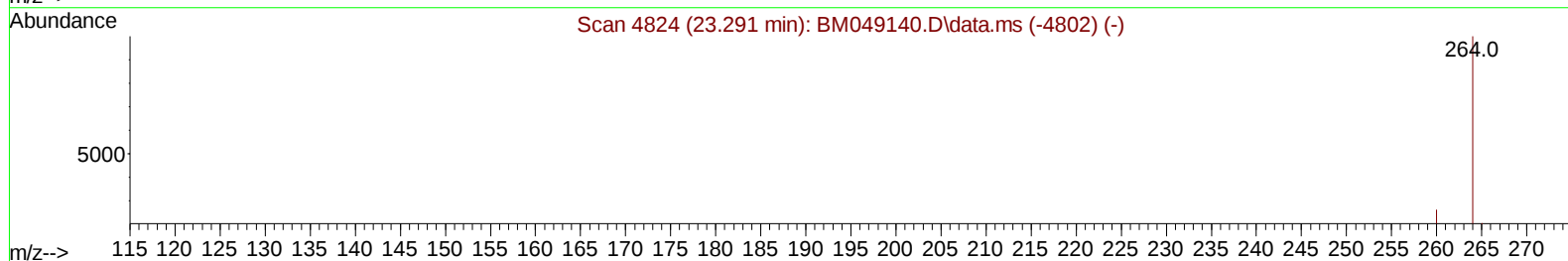
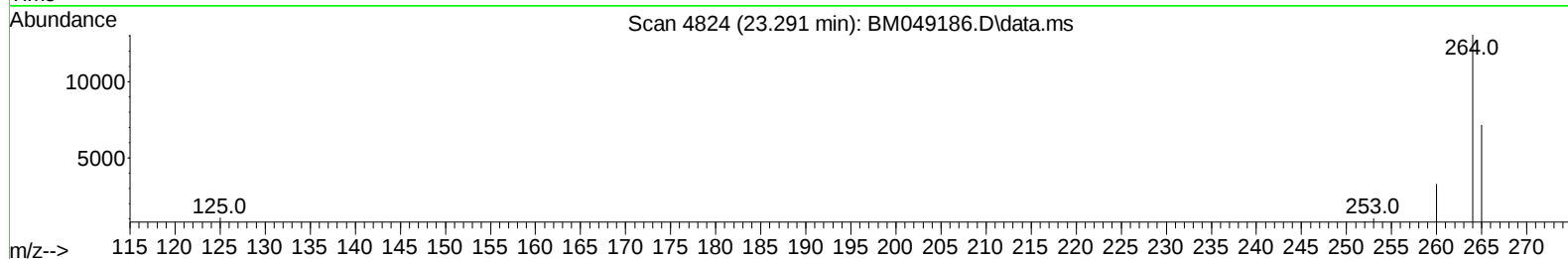
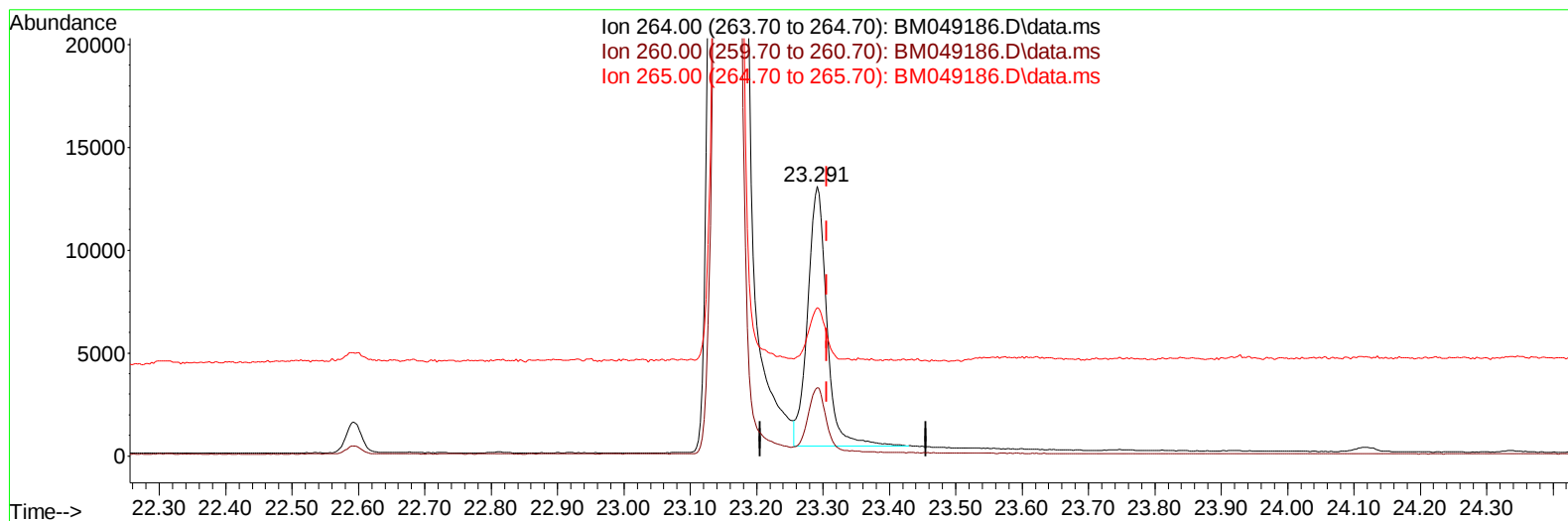
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/u1

response 25075

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.38
265.00	78.30	54.96#
0.00	0.00	0.00

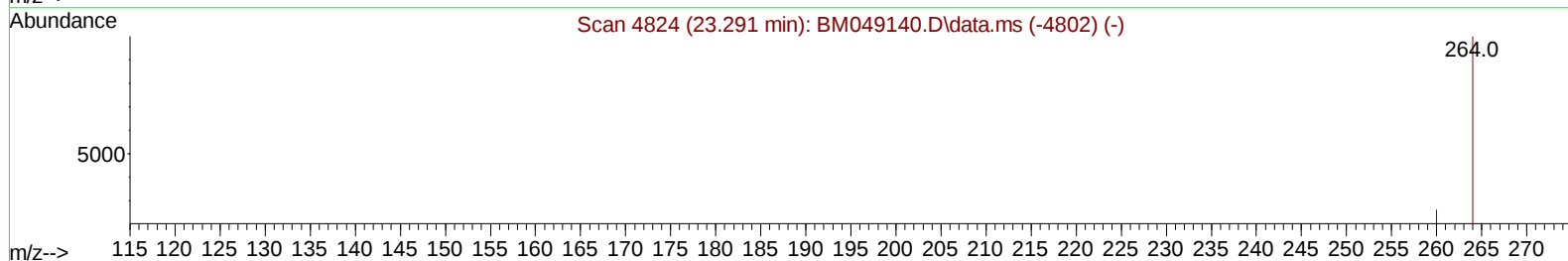
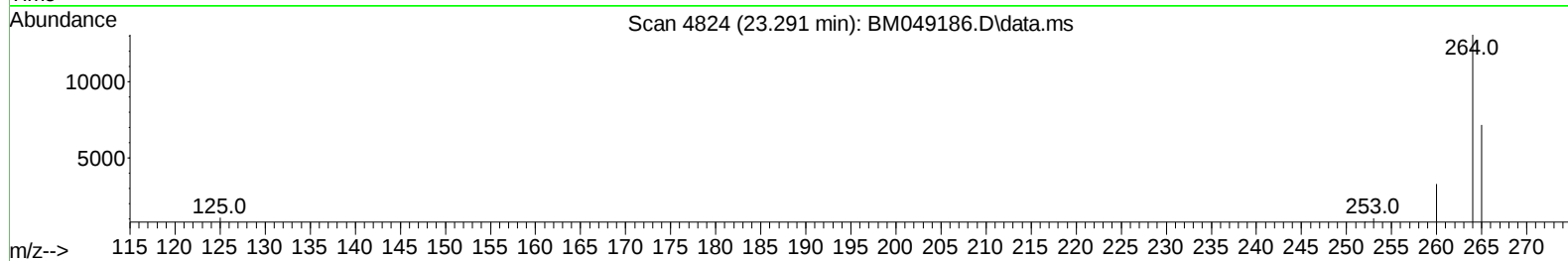
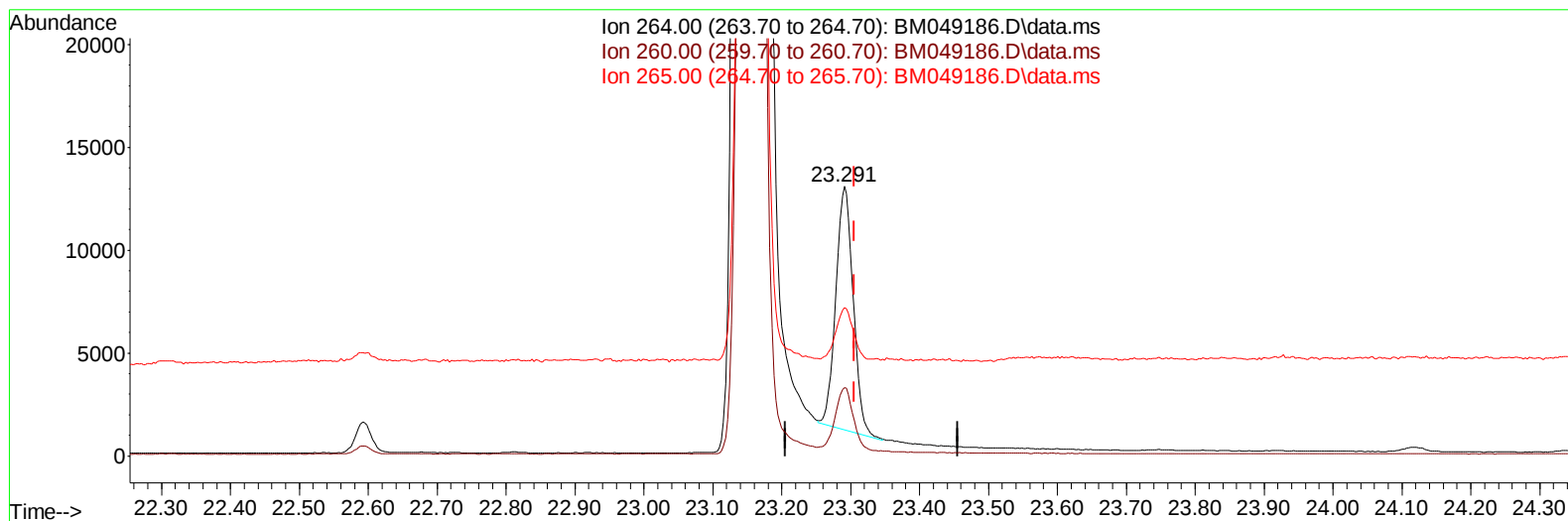
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/ul m

response 20721

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.38
265.00	78.30	54.96#
0.00	0.00	0.00

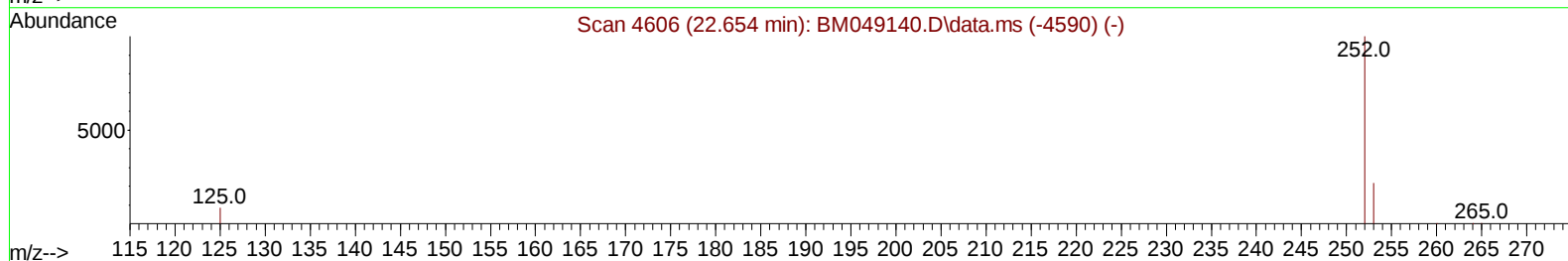
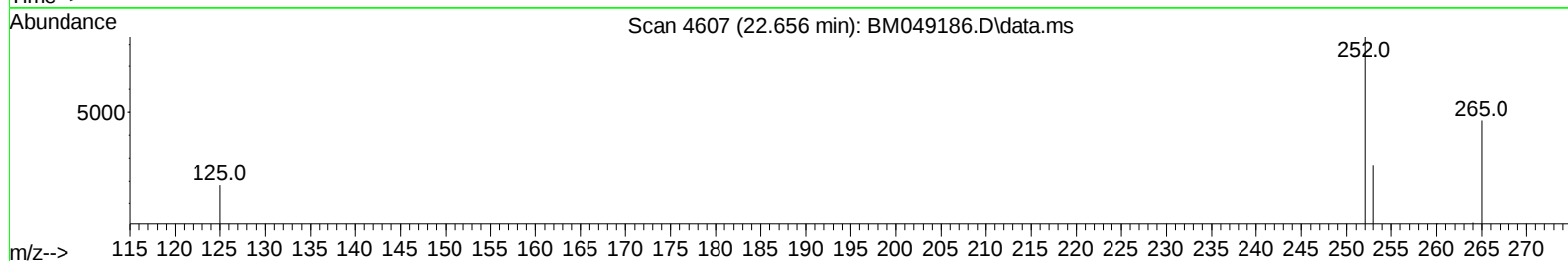
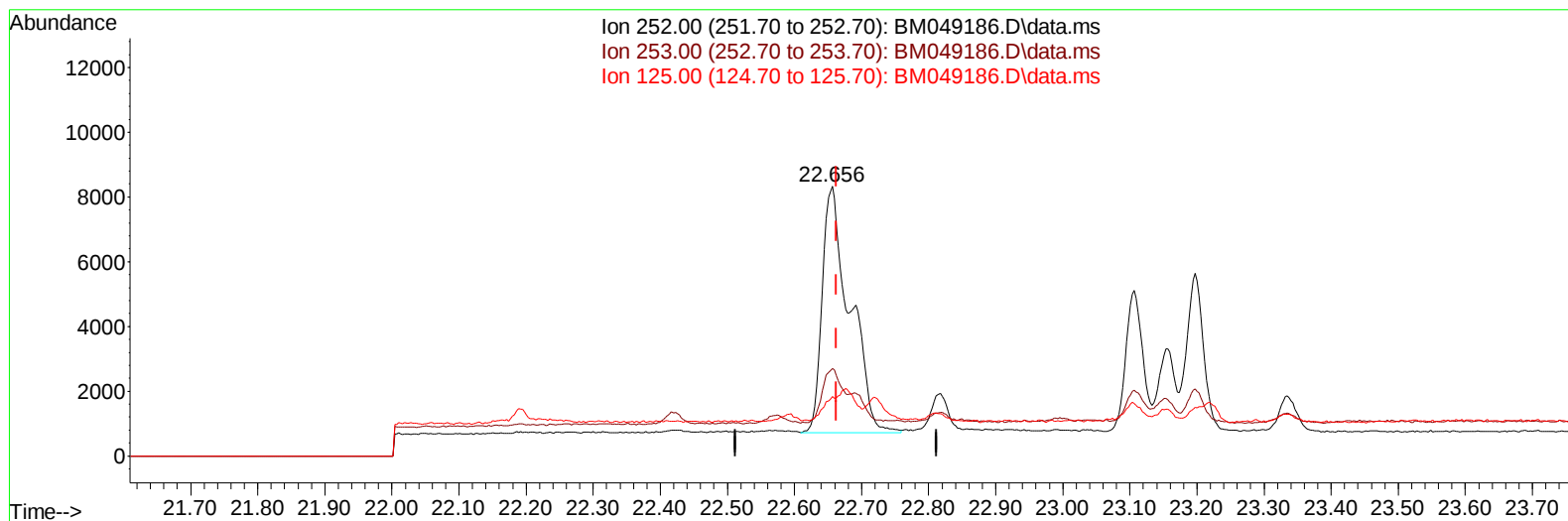
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(24) Benzo(b)fluoranthene

22.656min (-0.006) 0.33 ng/u1

response 21644

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	32.46
125.00	15.40	22.08
0.00	0.00	0.00

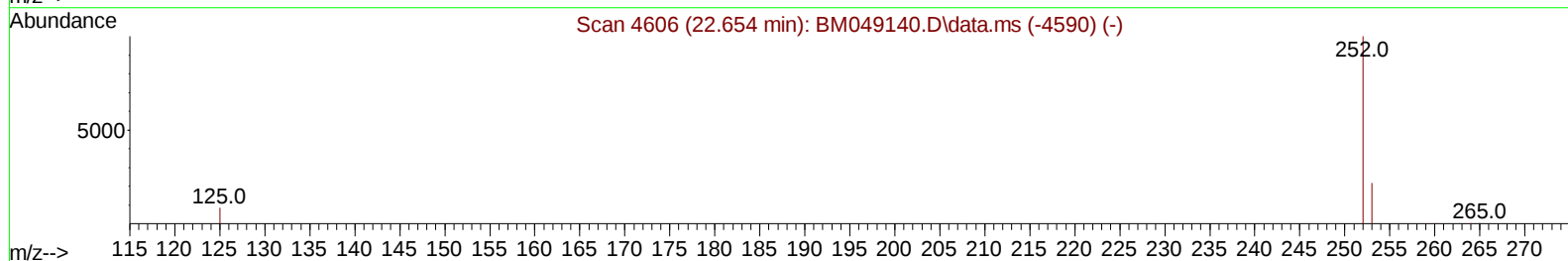
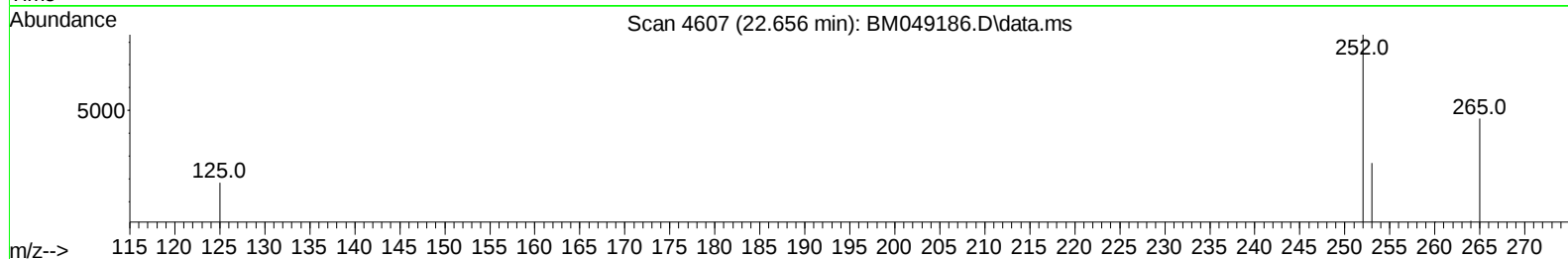
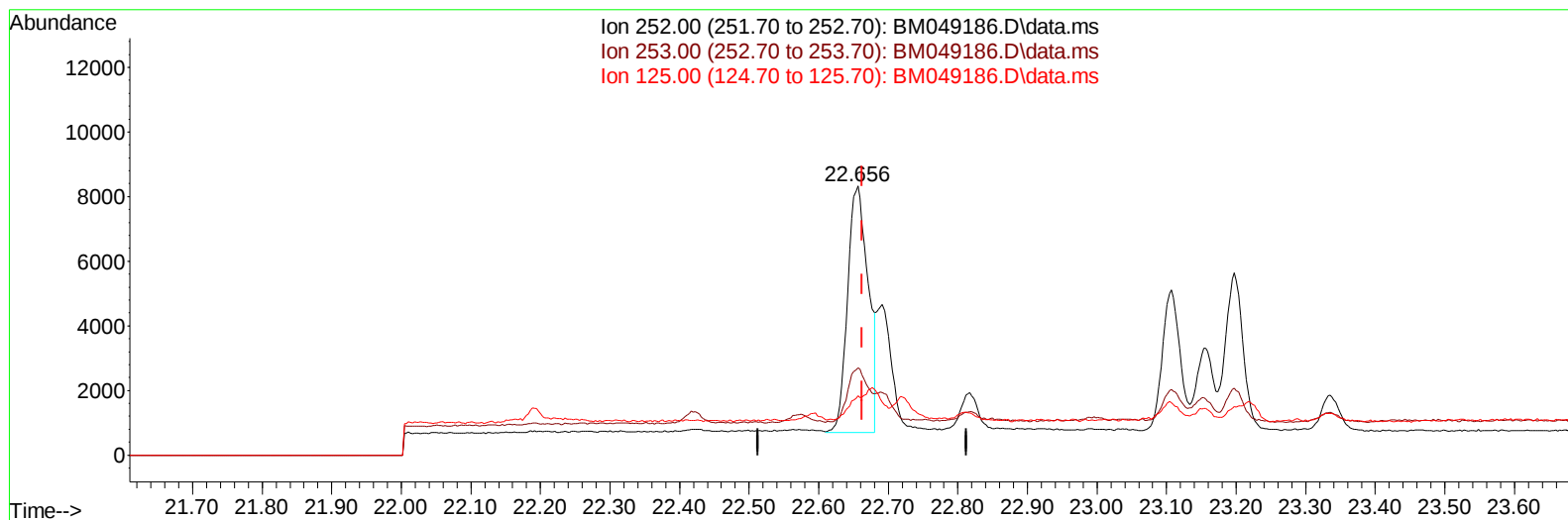
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 21:41:08 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: BM049186.D\data.ms

(24) Benzo(b)fluoranthene

22.656min (-0.006) 0.24 ng/u1 m

response 15598

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	32.46
125.00	15.40	22.08
0.00	0.00	0.00

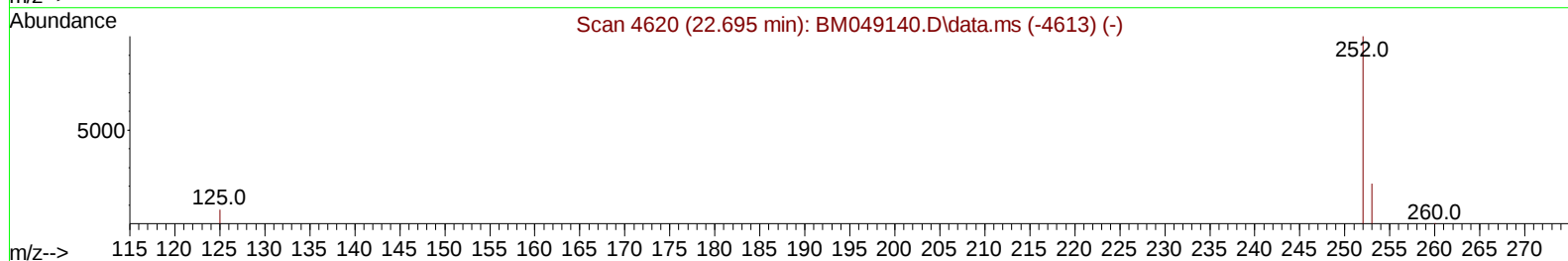
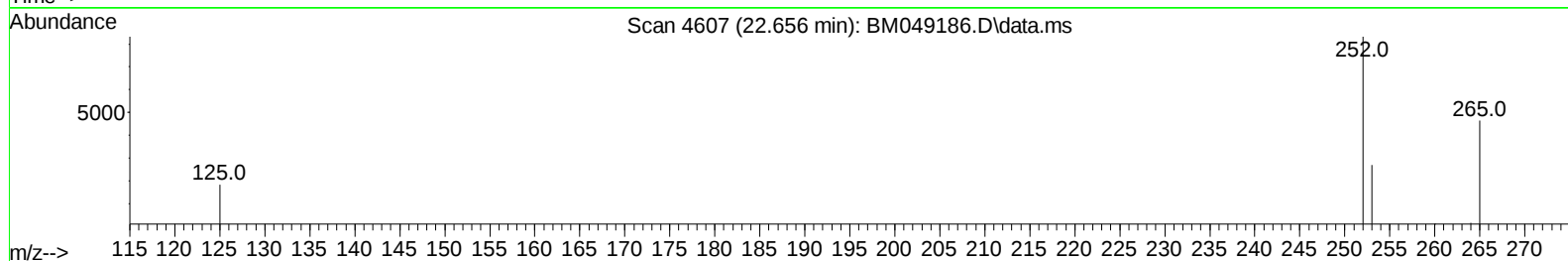
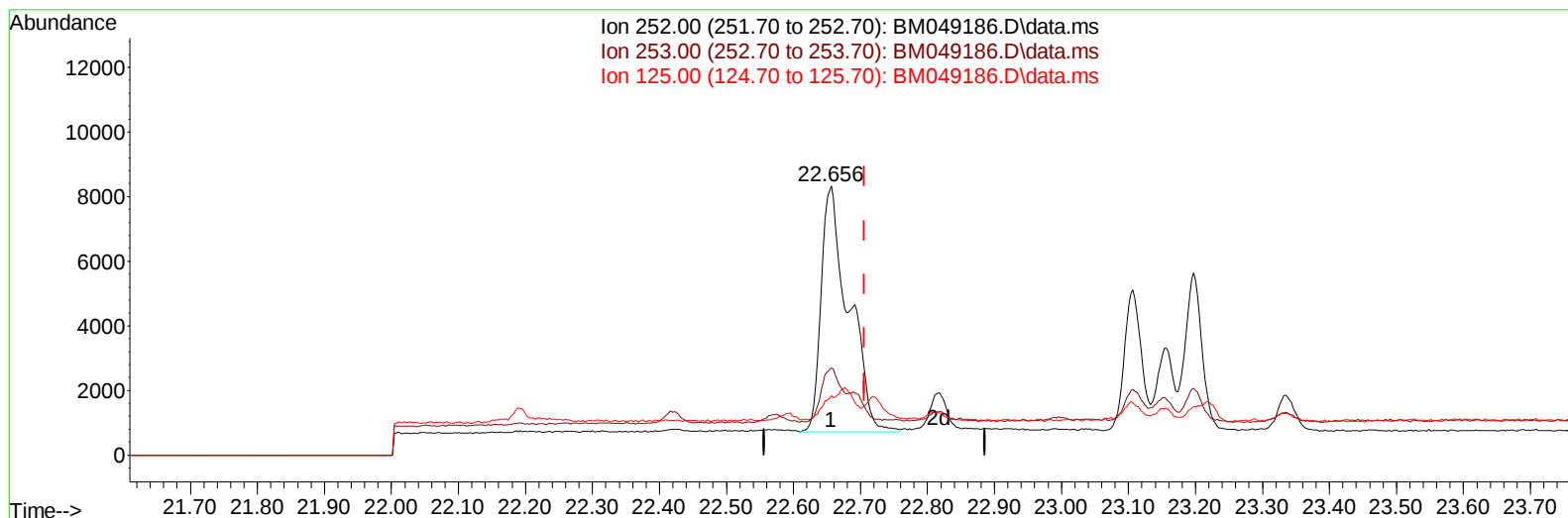
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(25) Benzo(k)fluoranthene

22.656min (-0.050) 0.30 ng/u1

response 21644

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	32.46#
125.00	15.70	22.08#
0.00	0.00	0.00

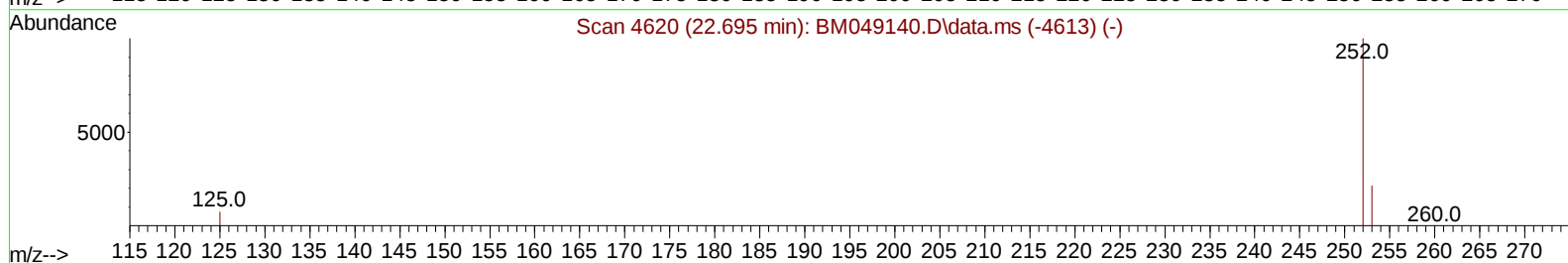
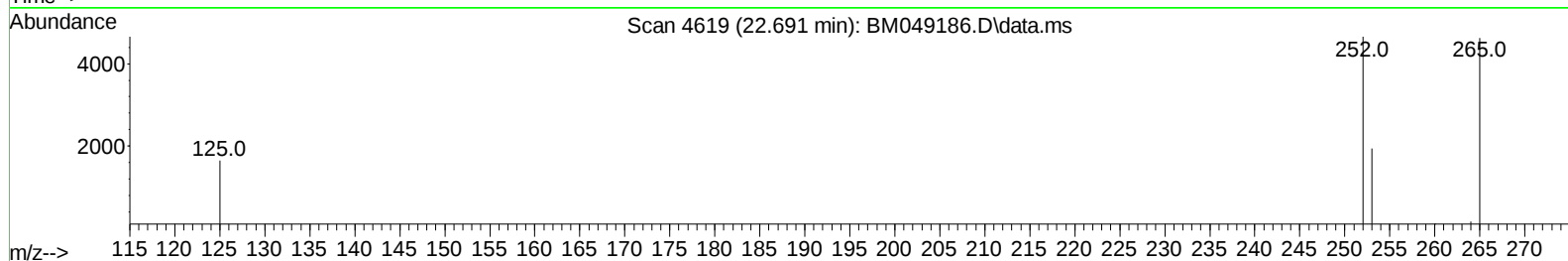
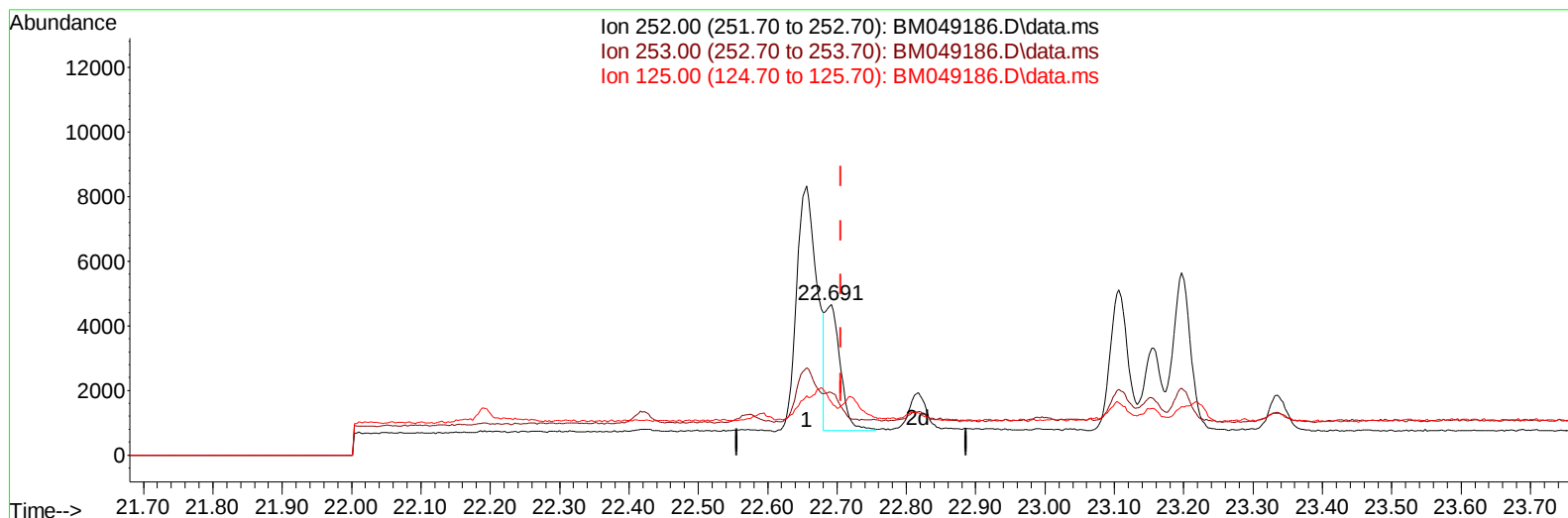
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049186.D\data.ms

(25) Benzo(k)fluoranthene

22.691min (-0.015) 0.08 ng/u1 m

response 6031

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	41.59#
125.00	15.70	35.34#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049186.D
 Acq On : 24 Dec 2024 15:55
 Operator : RC/JU
 Sample : P5302-03
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AR6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 21:41:08 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

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.548	152		6358	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136		19603	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.187	164		10791	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.934	188		24115m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.137	240		20891m	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264		20721m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.143	96		30549	4.166	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.910	152		7152	0.271	ng/ul	-0.02
18) Fluoranthene-d10	18.970	212		14773	0.249	ng/ul	-0.01
Target Compounds							
							Qvalue
10) Acenaphthylene	13.905	152		2110	0.047	ng/ul#	86
15) Phenanthrene	16.977	178		9429m	0.150	ng/ul	
19) Fluoranthene	19.002	202		25450	0.337	ng/ul	99
20) Pyrene	19.365	202		19685m	0.244	ng/ul	
21) Benzo(a)anthracene	21.122	228		7867m	0.108	ng/ul	
22) Chrysene	21.172	228		11755	0.151	ng/ul	97
24) Benzo(b)fluoranthene	22.656	252		15598m	0.236	ng/ul	
25) Benzo(k)fluoranthene	22.691	252		6031m	0.083	ng/ul	
26) Benzo(a)pyrene	23.197	252		8459	0.133	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.427	276		7780	0.087	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.433	278		1693	0.024	ng/ul#	19
29) Benzo(g,h,i)perylene	26.074	276		7521	0.104	ng/ul#	92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049186.D
Acq On : 24 Dec 2024 15:55
Operator : RC/JU
Sample : P5302-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AR6

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:41:08 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

