

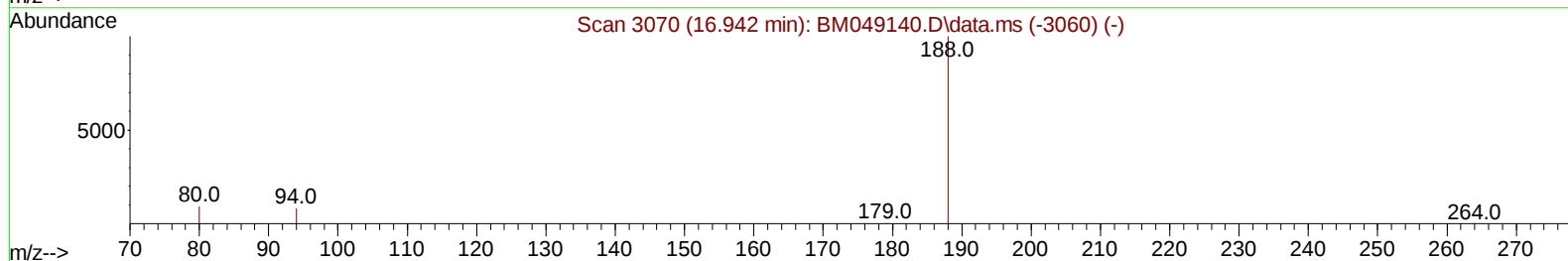
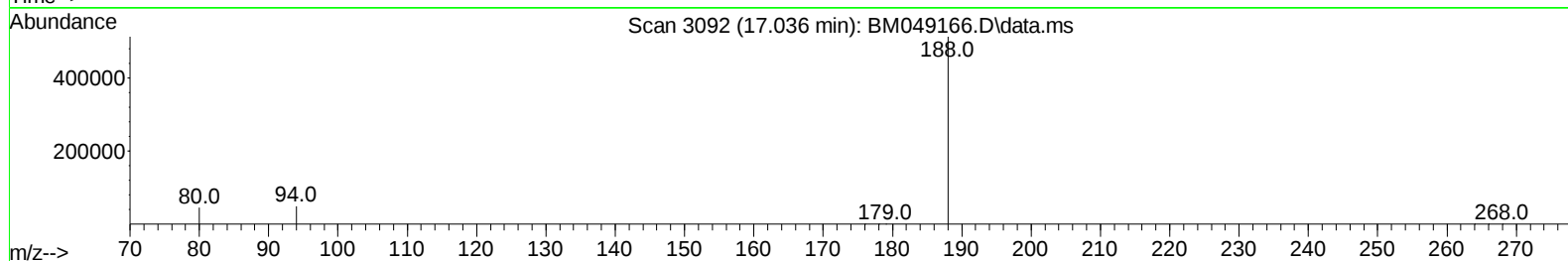
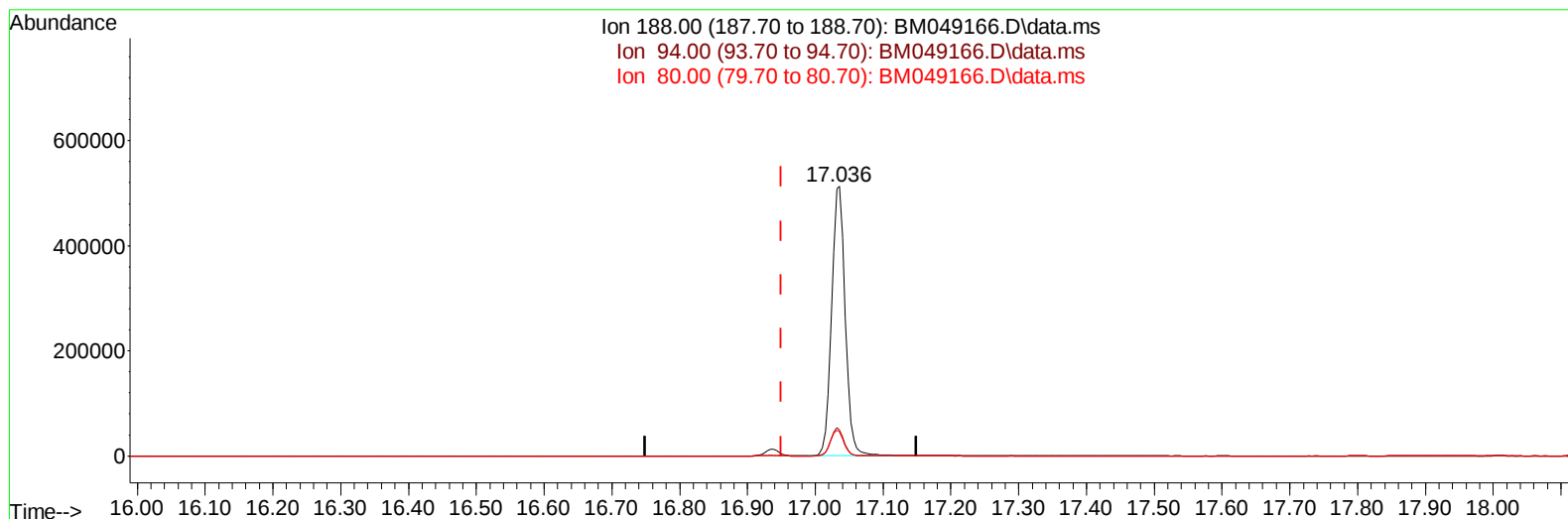
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(13) Phenanthrene-d10 (I)

17.036min (+ 0.086) 0.40 ng/u1

response 707430

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.60
80.00	10.70	8.75
0.00	0.00	0.00

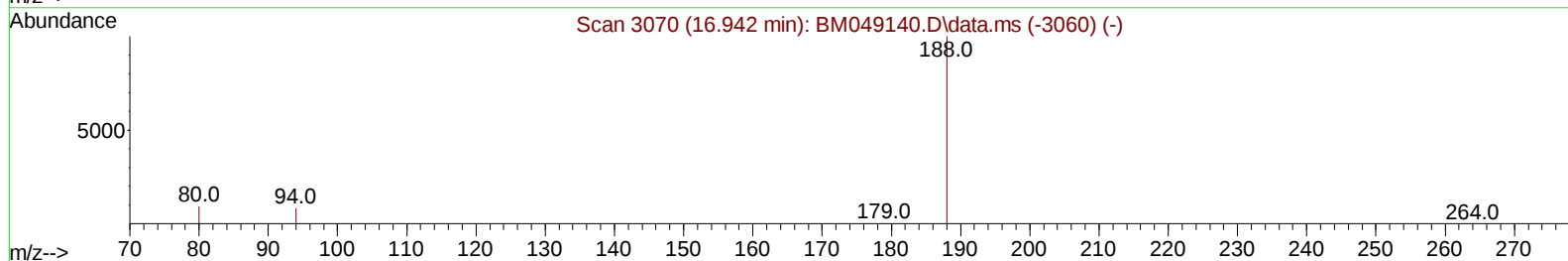
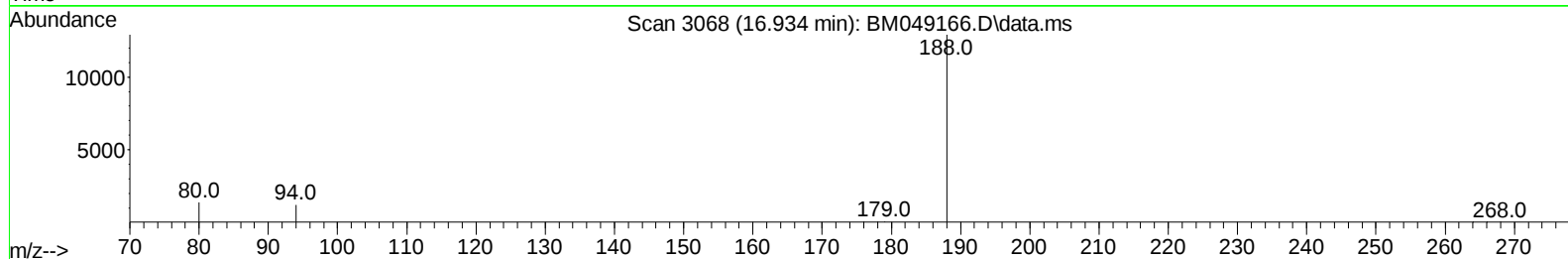
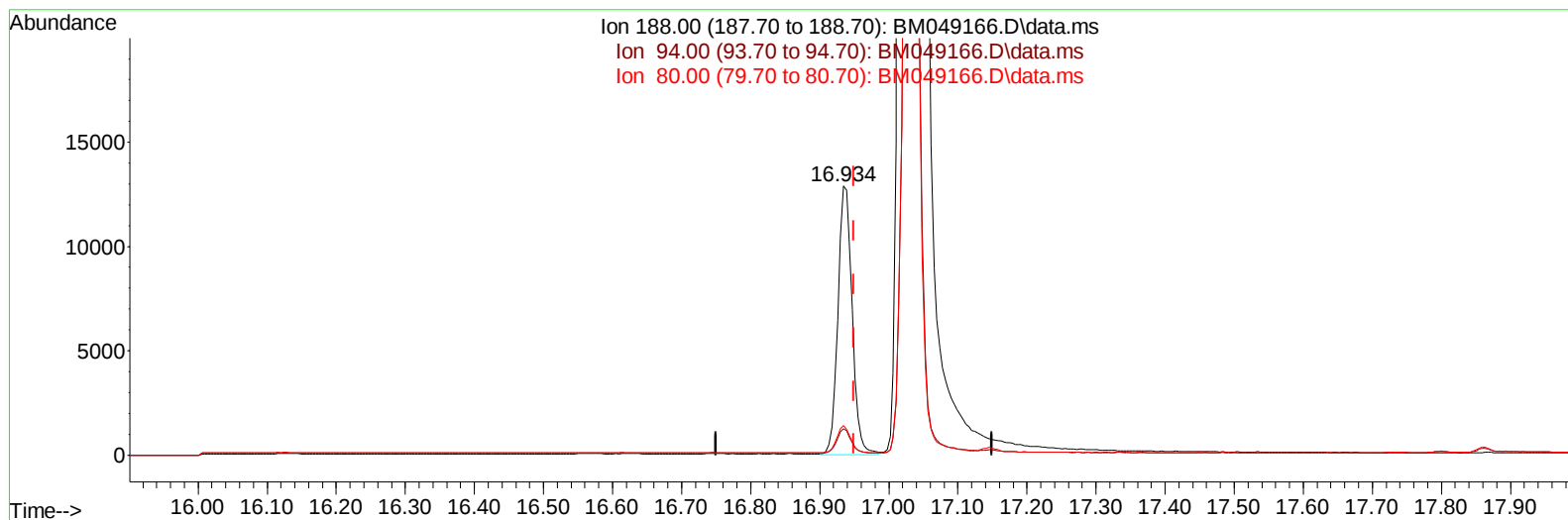
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(13) Phenanthrene-d10 (I)

16.934min (-0.016) 0.40 ng/ul m

response 18357

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.71
80.00	10.70	10.94
0.00	0.00	0.00

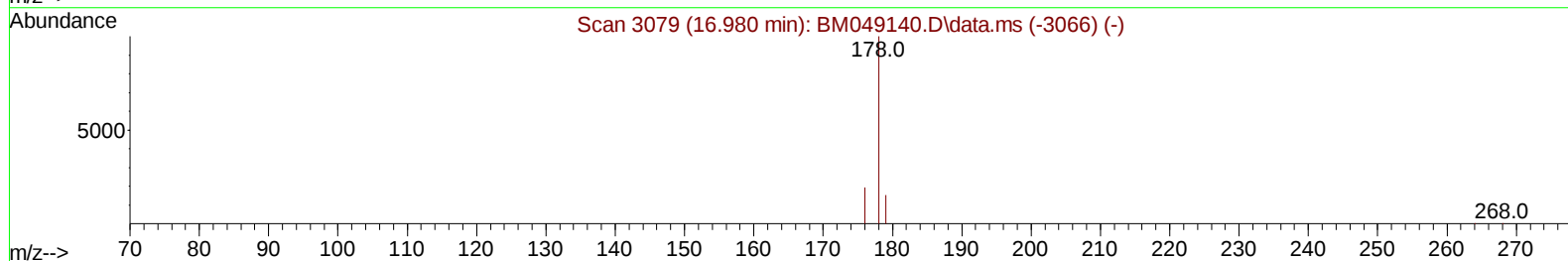
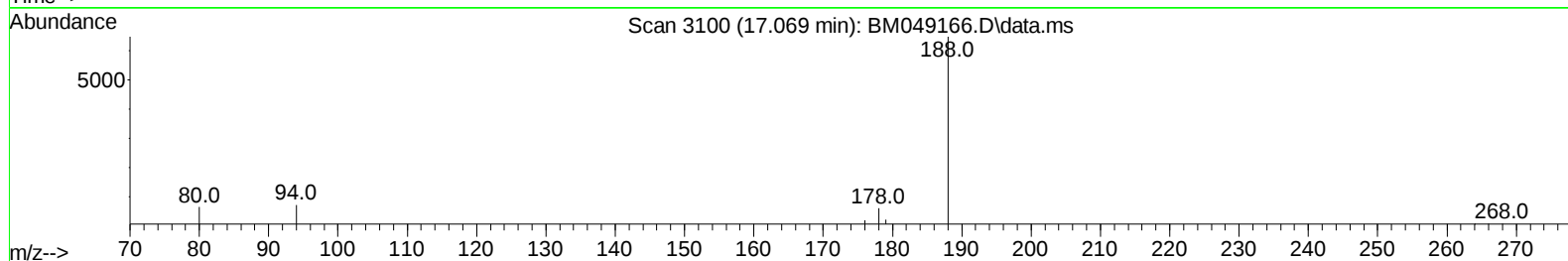
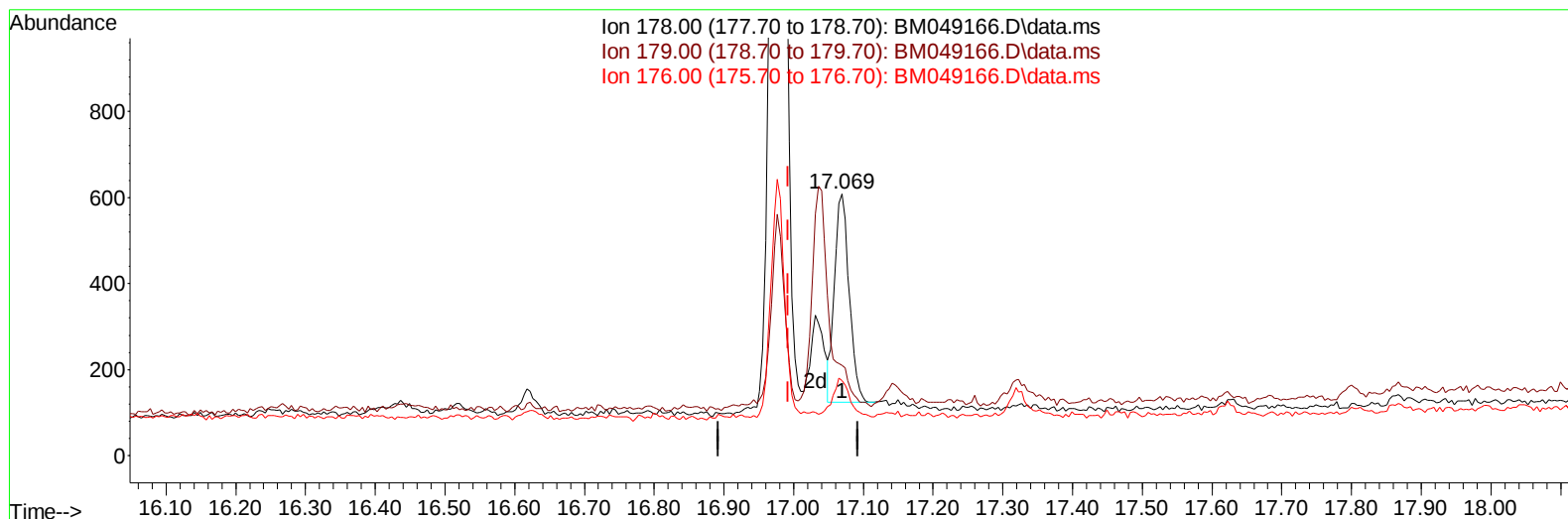
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(15) Phenanthrene

17.069min (+ 0.077) 0.01 ng/u1

response 709

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	34.48#
176.00	20.20	28.74#
0.00	0.00	0.00

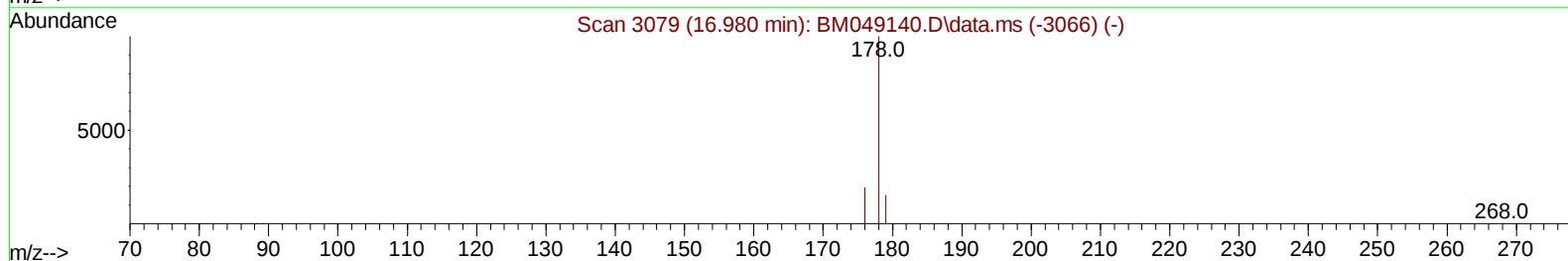
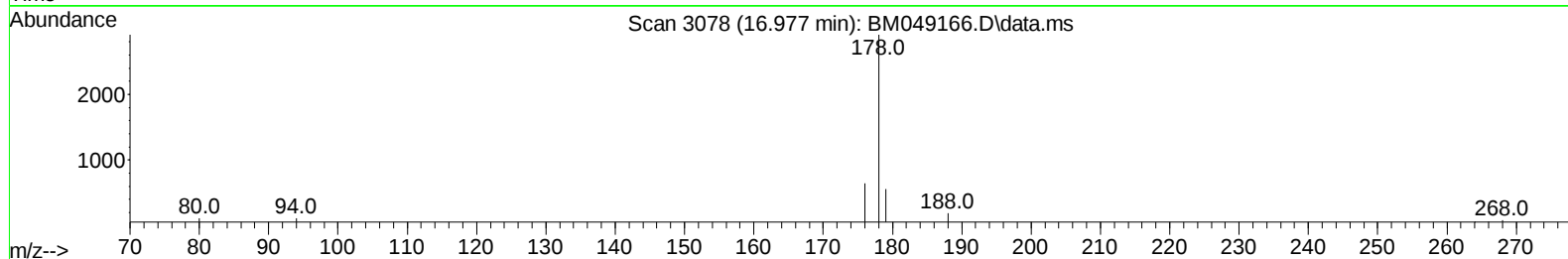
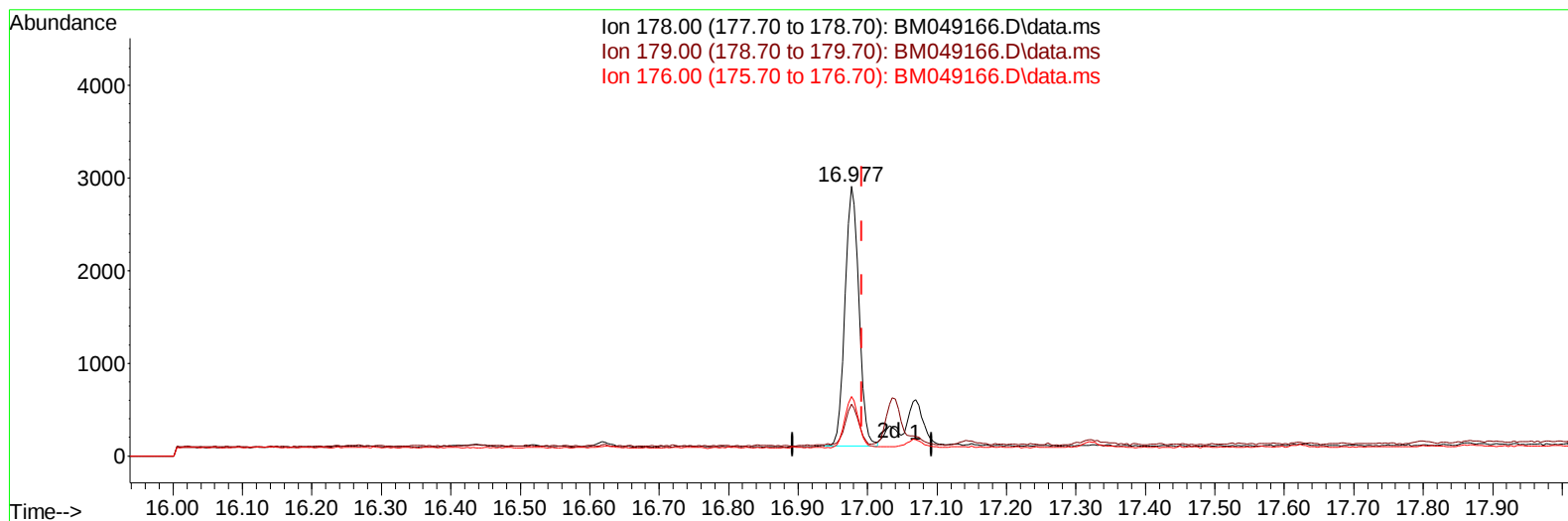
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(15) Phenanthrene

16.977min (-0.016) 0.08 ng/ul m

response 3888

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	19.28
176.00	20.20	22.07
0.00	0.00	0.00

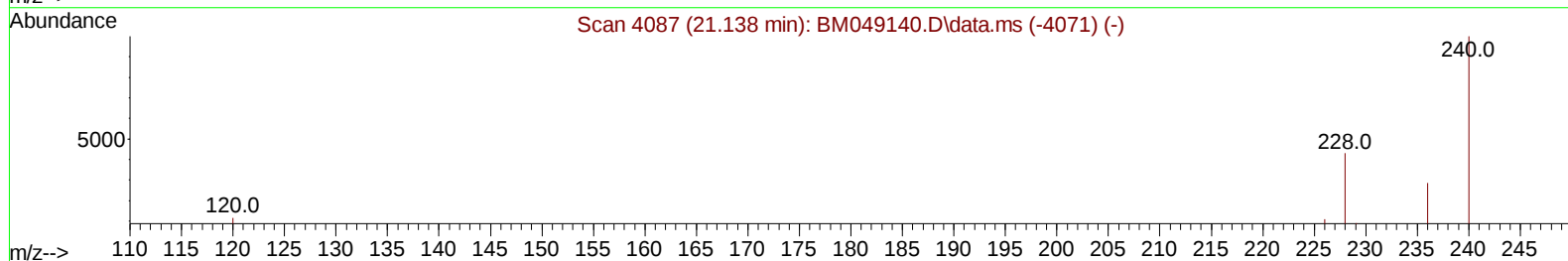
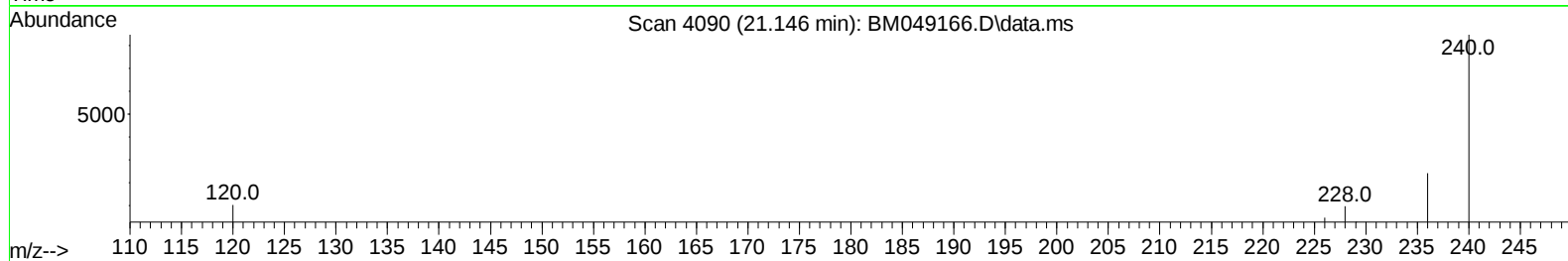
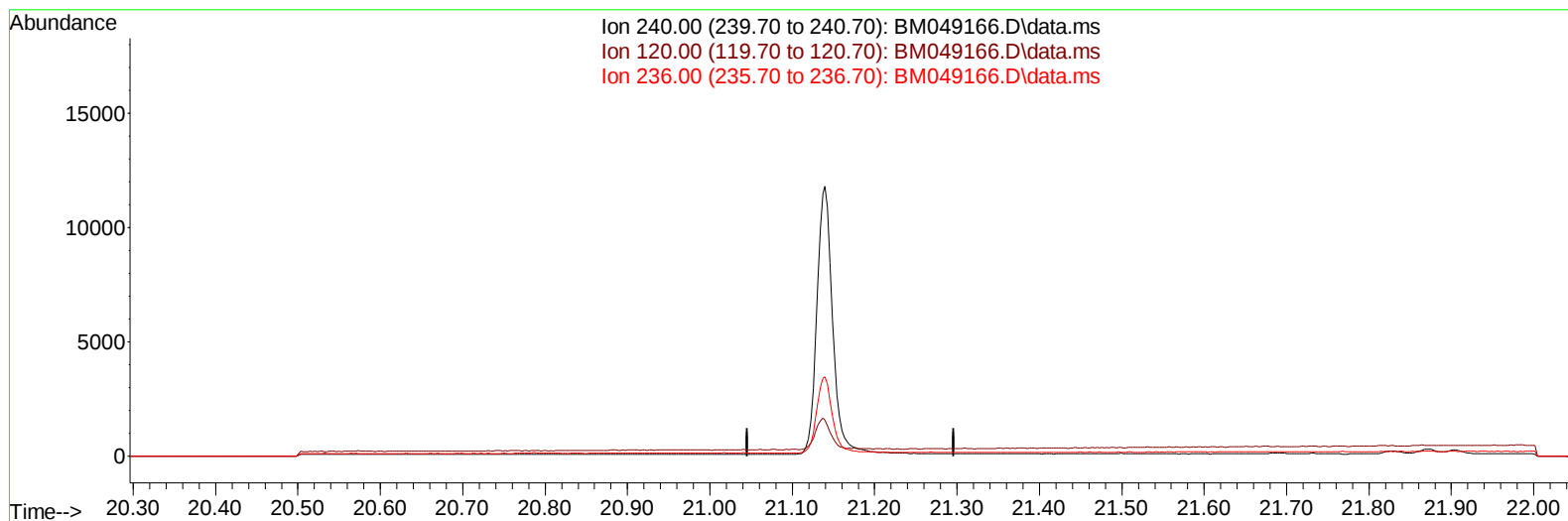
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.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

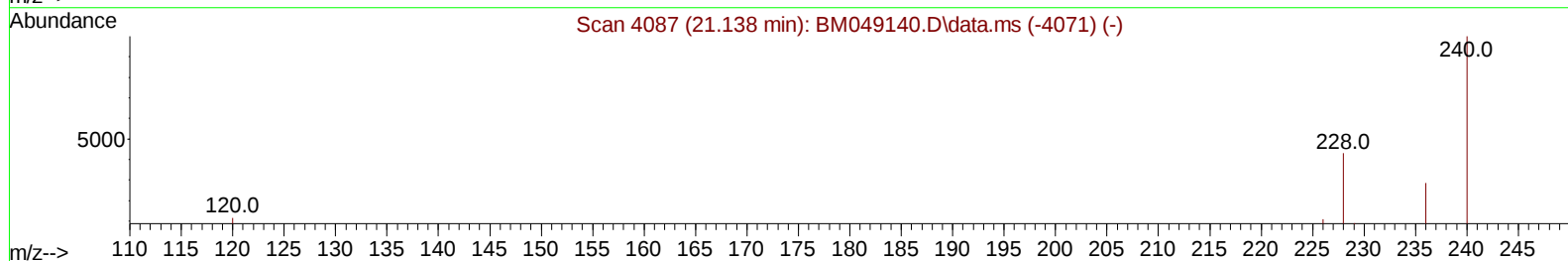
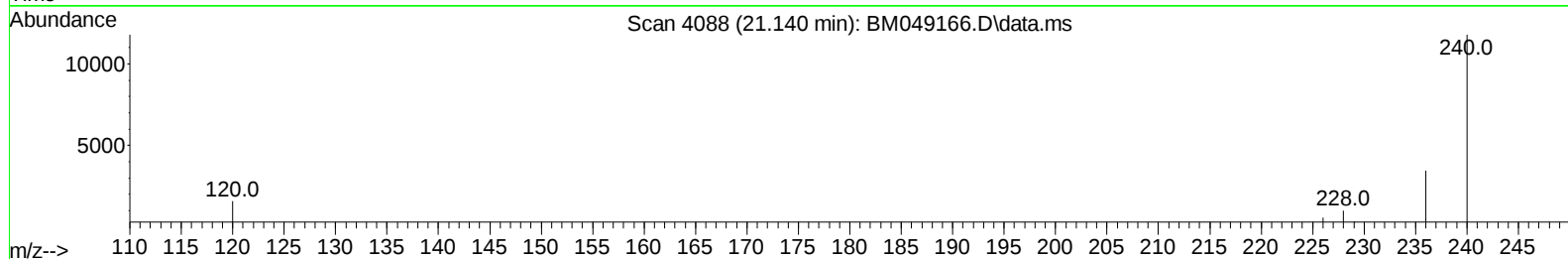
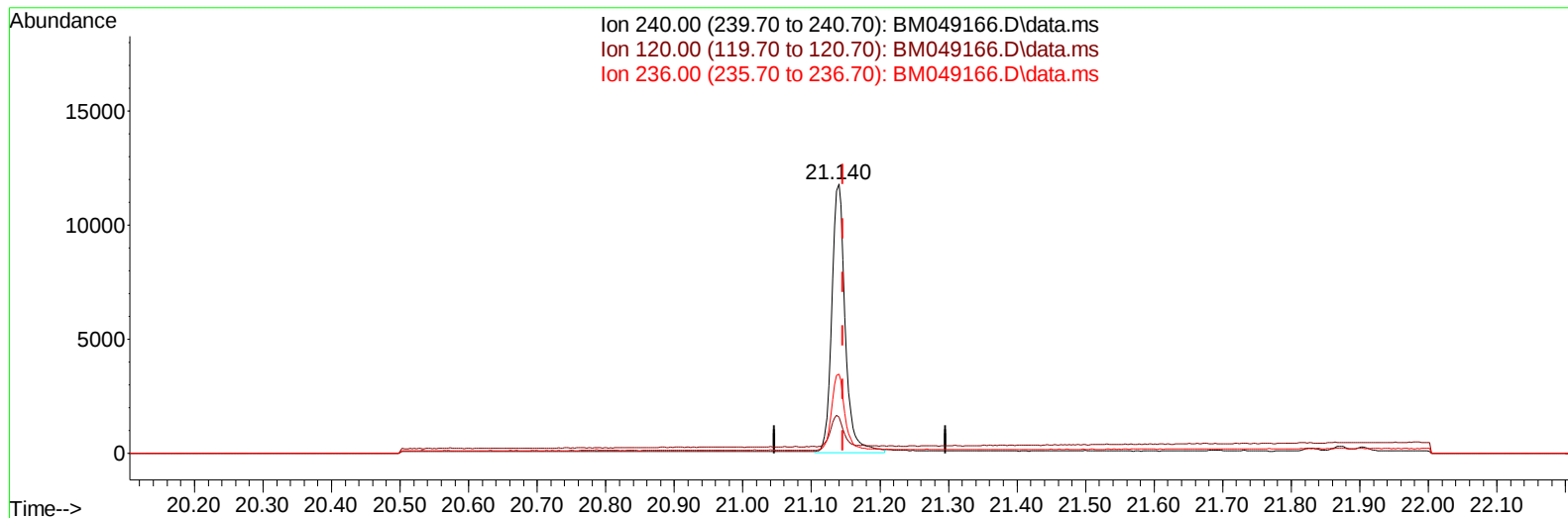
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(17) Chrysene-d12

21.140min (-0.006) 0.40 ng/ul m

response 15968

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.37
236.00	29.80	29.32
0.00	0.00	0.00

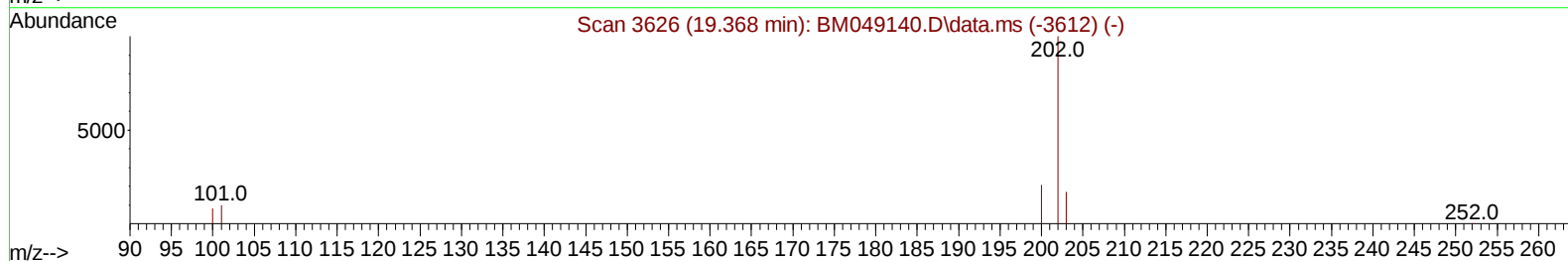
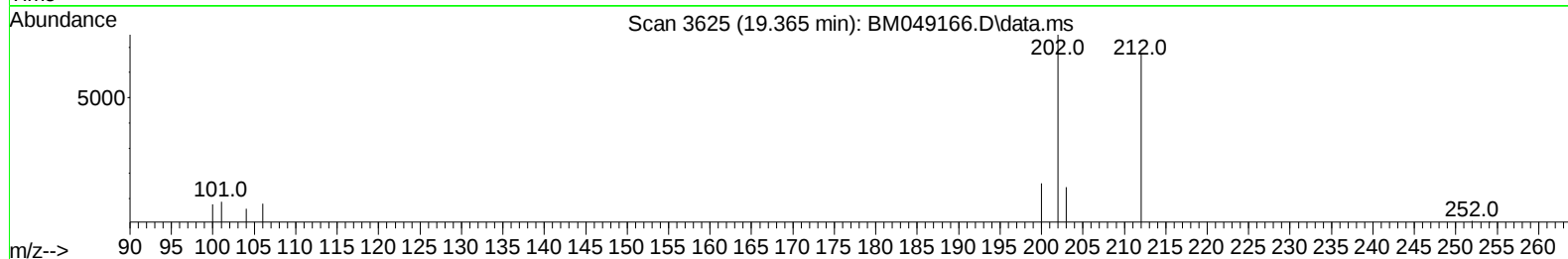
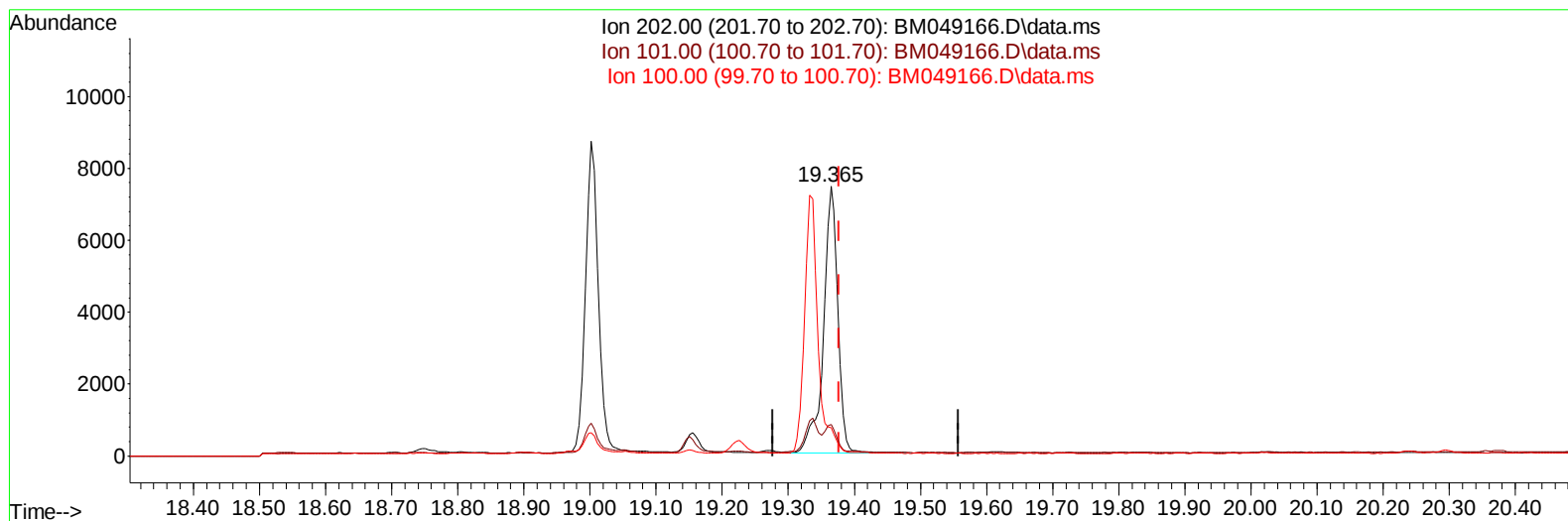
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(20) Pyrene

19.365min (-0.013) 0.18 ng/u1

response 11246

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.74
100.00	8.60	10.41#
0.00	0.00	0.00

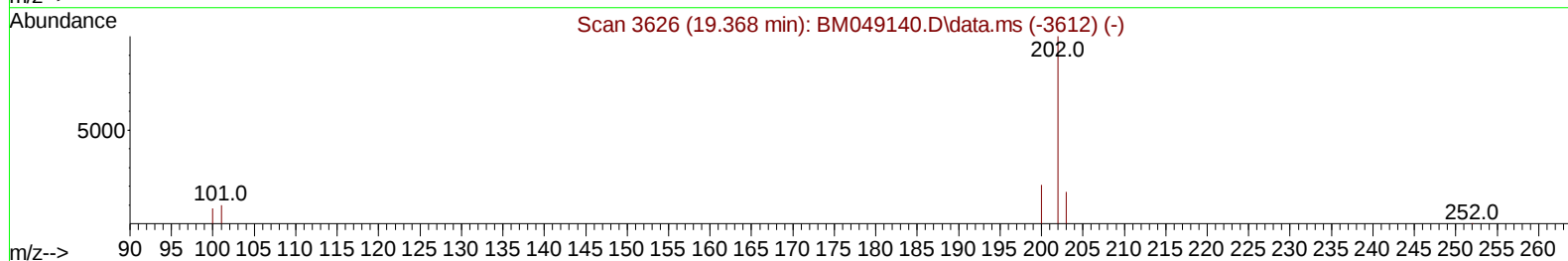
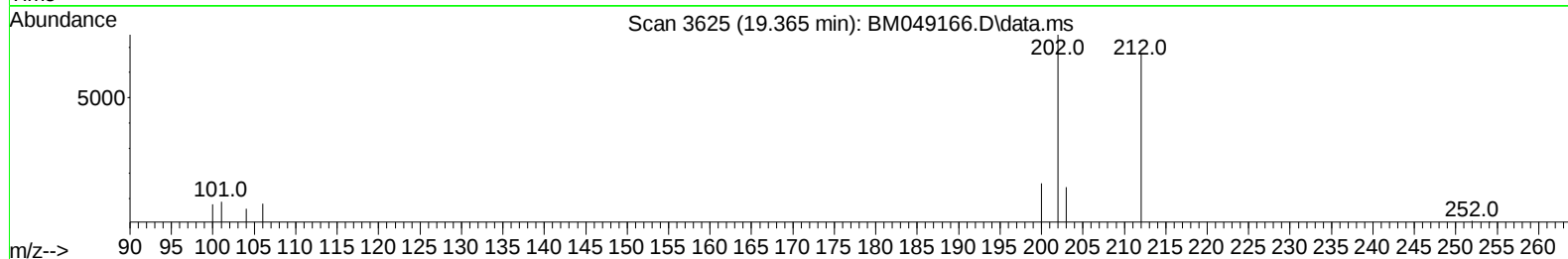
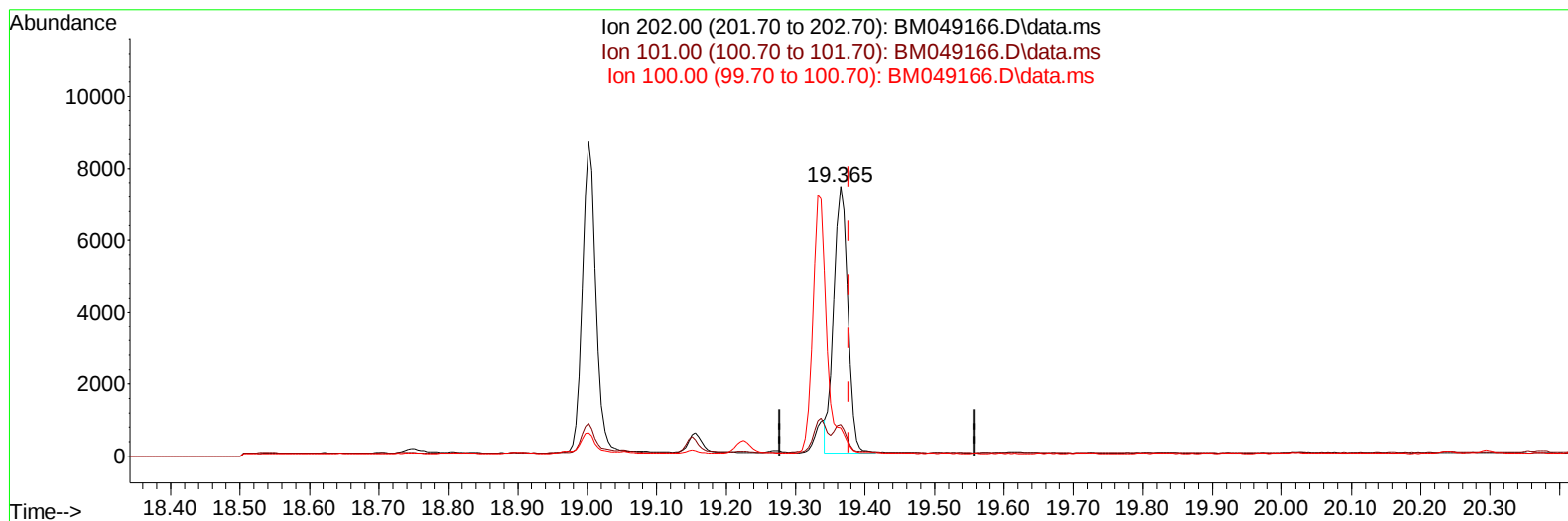
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(20) Pyrene

19.365min (-0.013) 0.17 ng/ul m

response 10284

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	11.74
100.00	8.60	10.41#
0.00	0.00	0.00

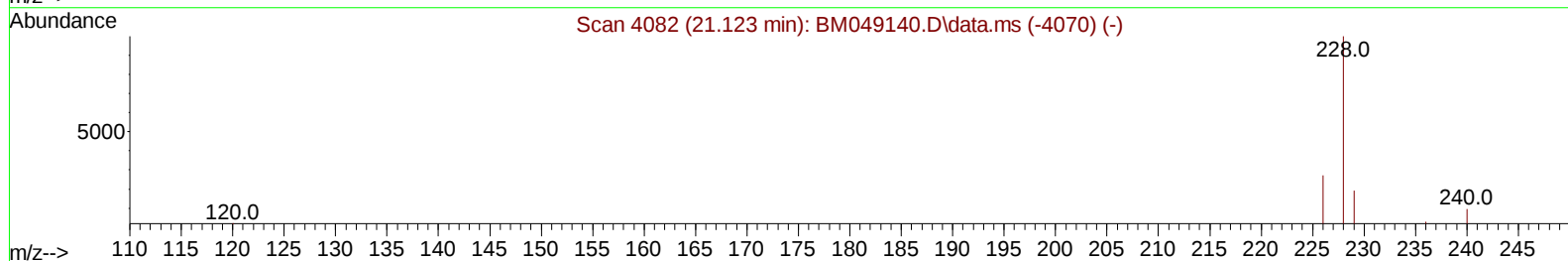
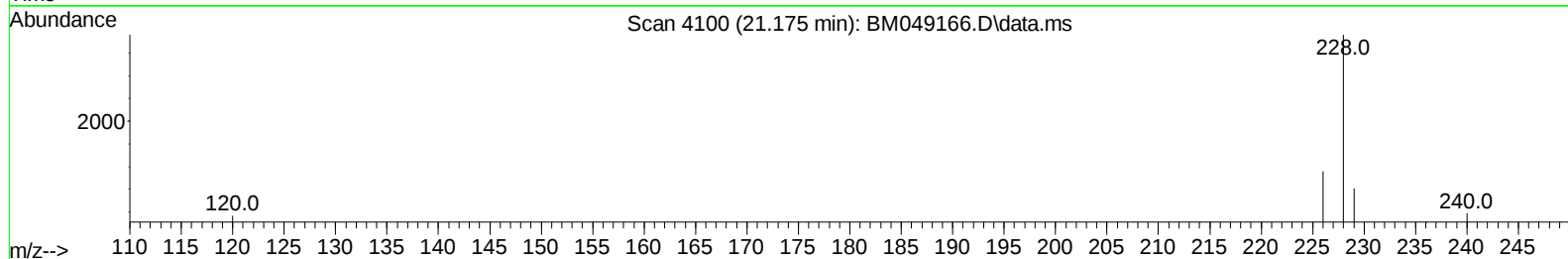
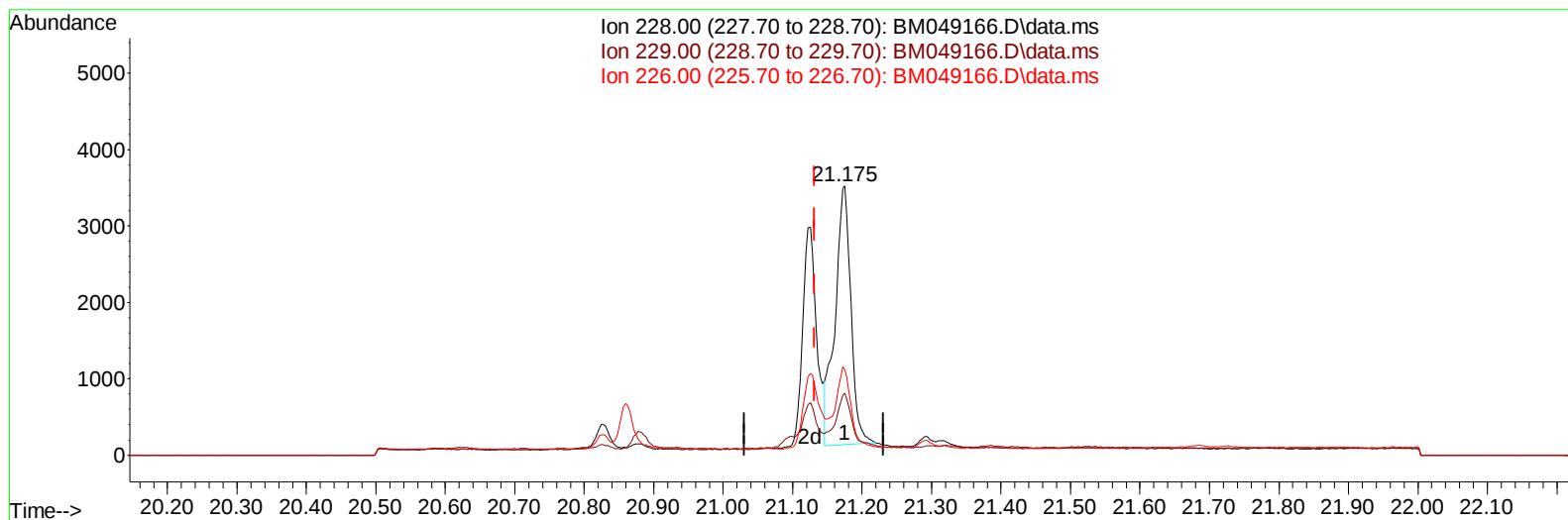
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(21) Benzo(a)anthracene

21.175min (+ 0.043) 0.10 ng/u1

response 5349

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	23.03
226.00	28.30	31.74
0.00	0.00	0.00

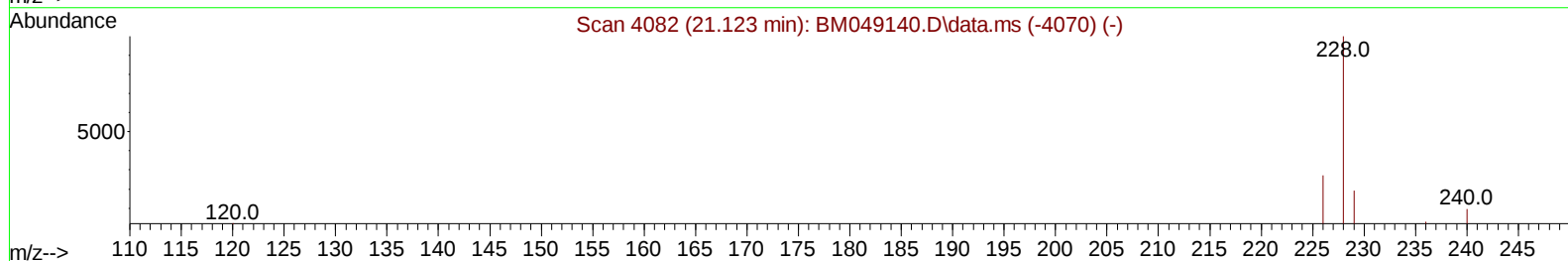
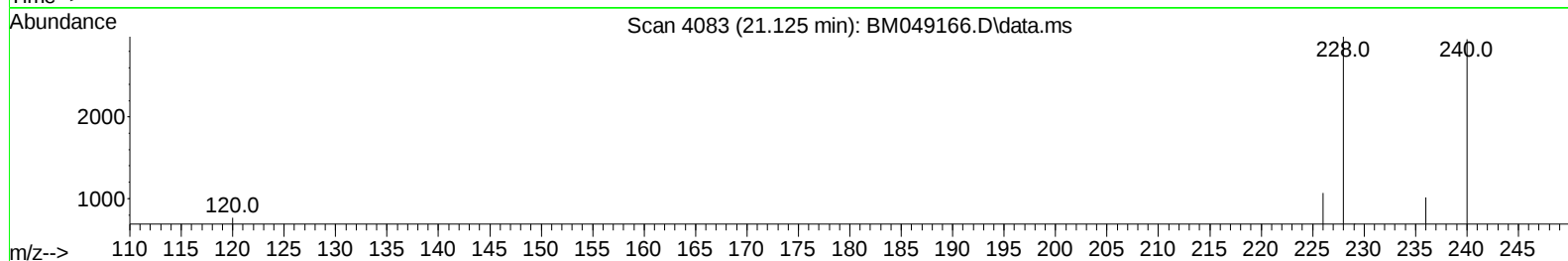
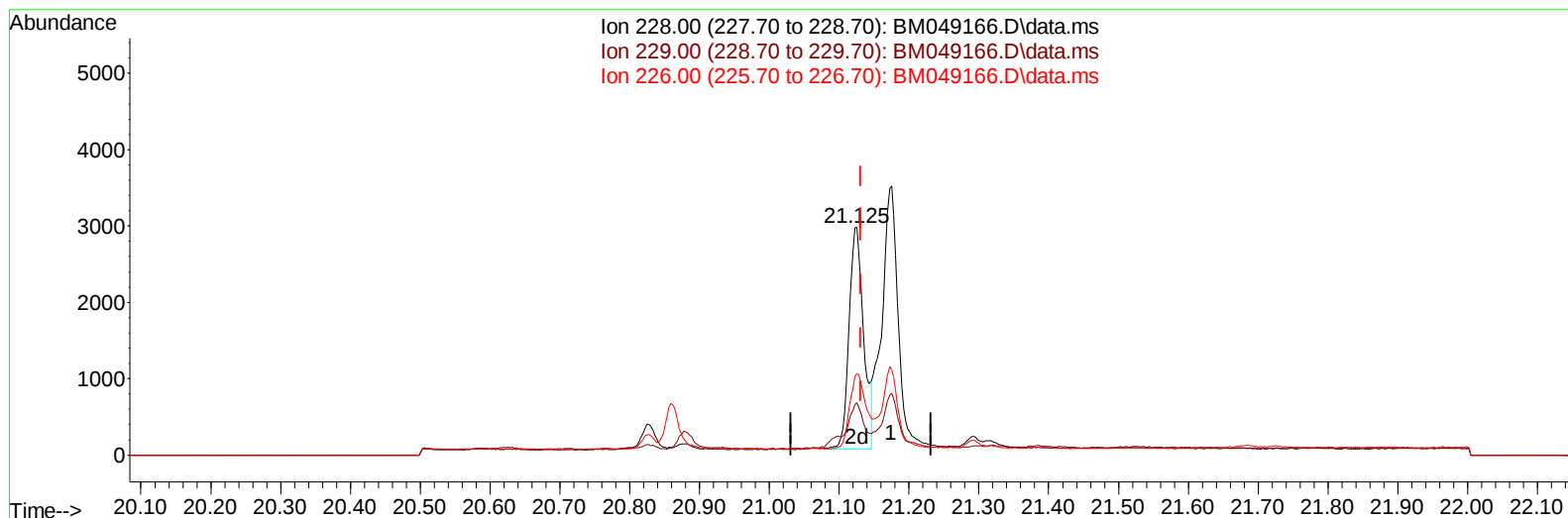
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(21) Benzo(a)anthracene

21.125min (-0.006) 0.08 ng/u1 m

response 4209

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	23.04
226.00	28.30	35.88#
0.00	0.00	0.00

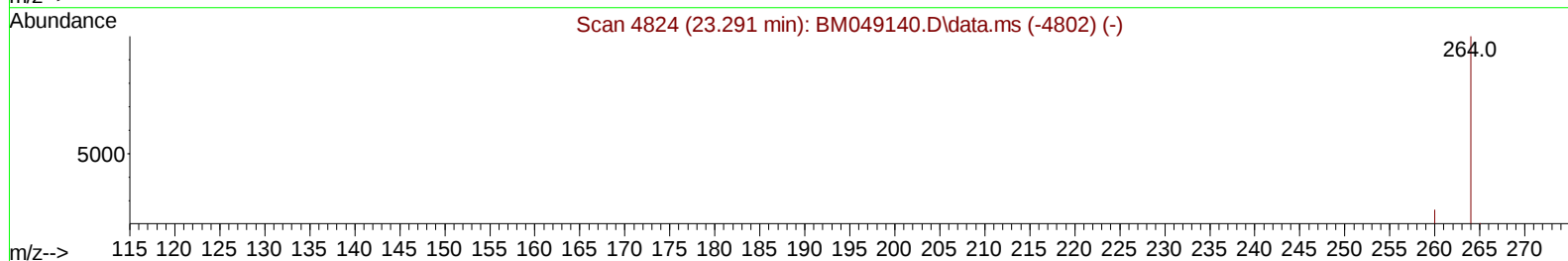
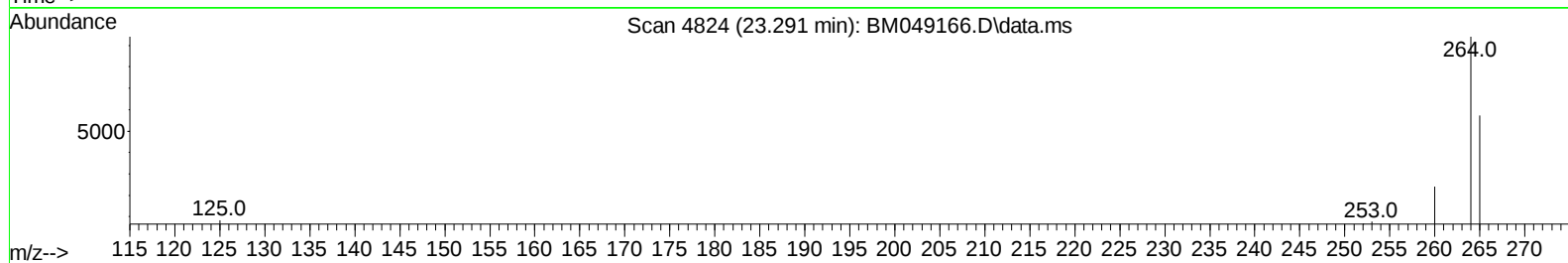
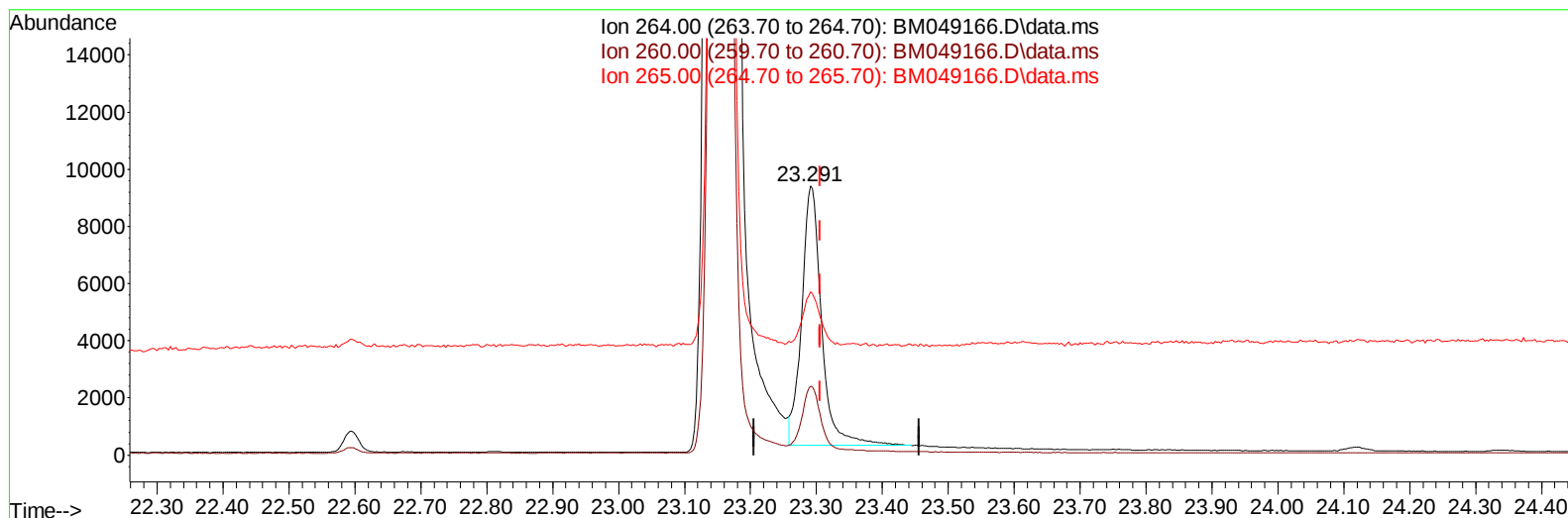
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/u1

response 19013

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.65
265.00	78.30	60.79#
0.00	0.00	0.00

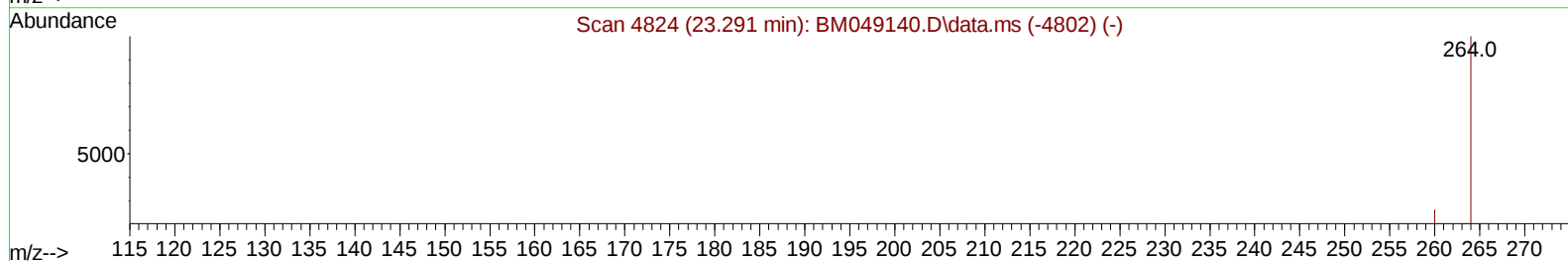
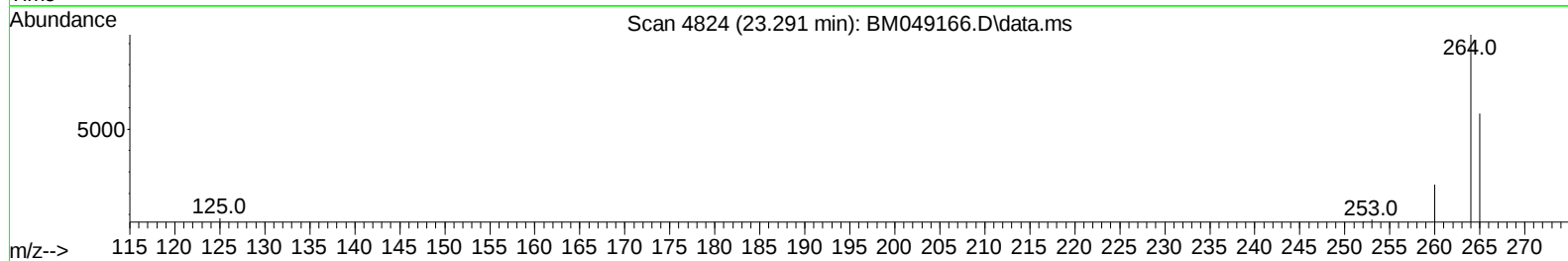
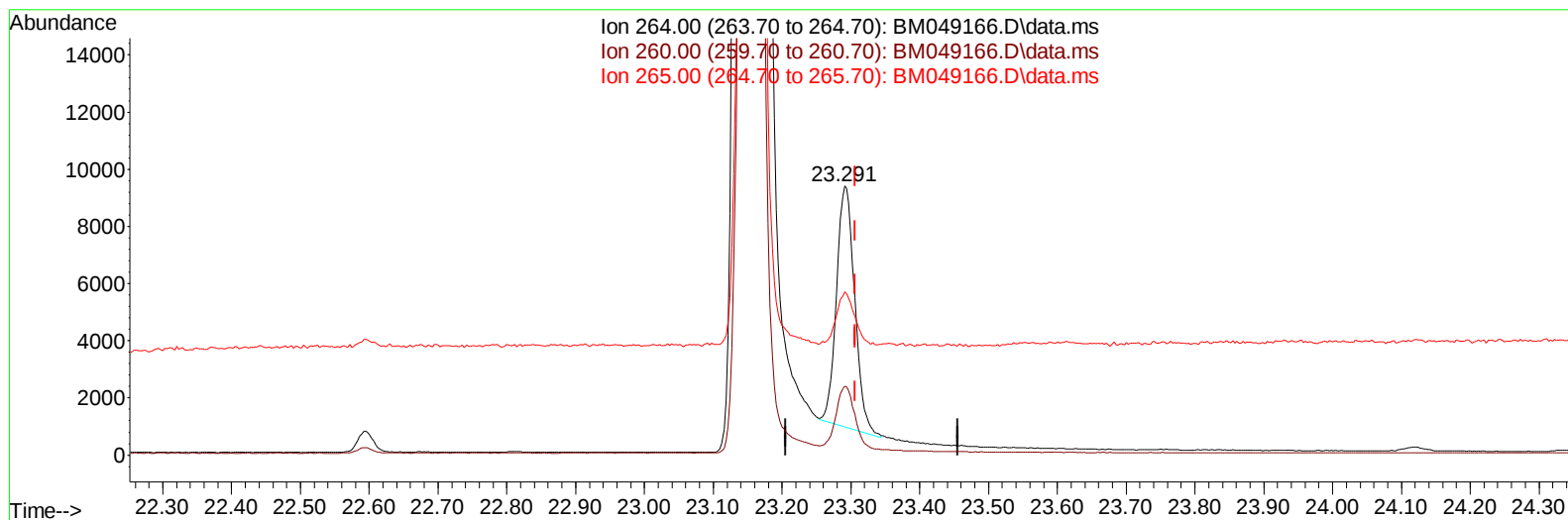
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/ul m

response 15452

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.65
265.00	78.30	60.79#
0.00	0.00	0.00

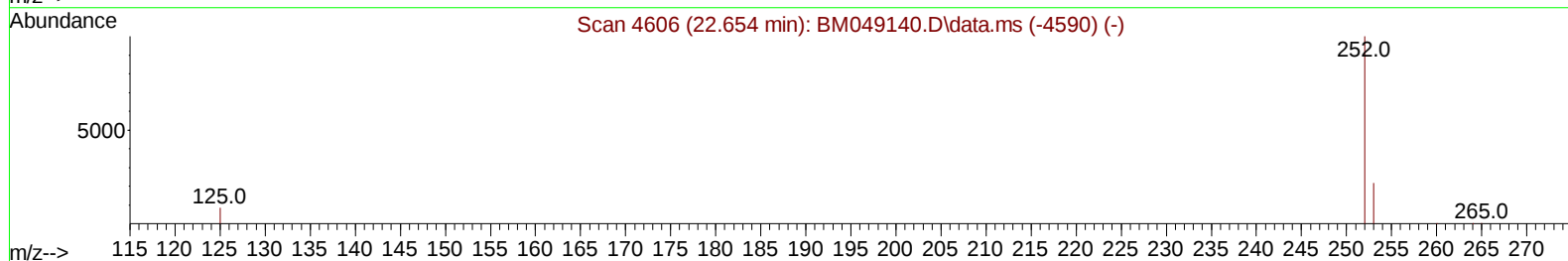
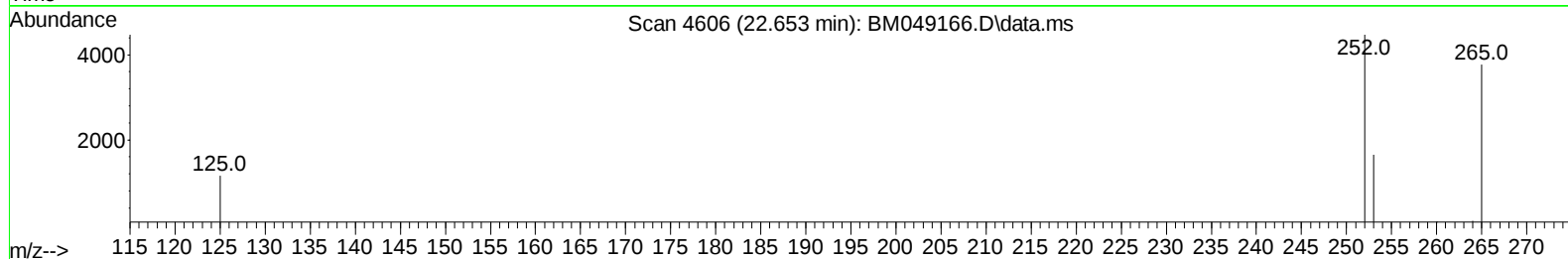
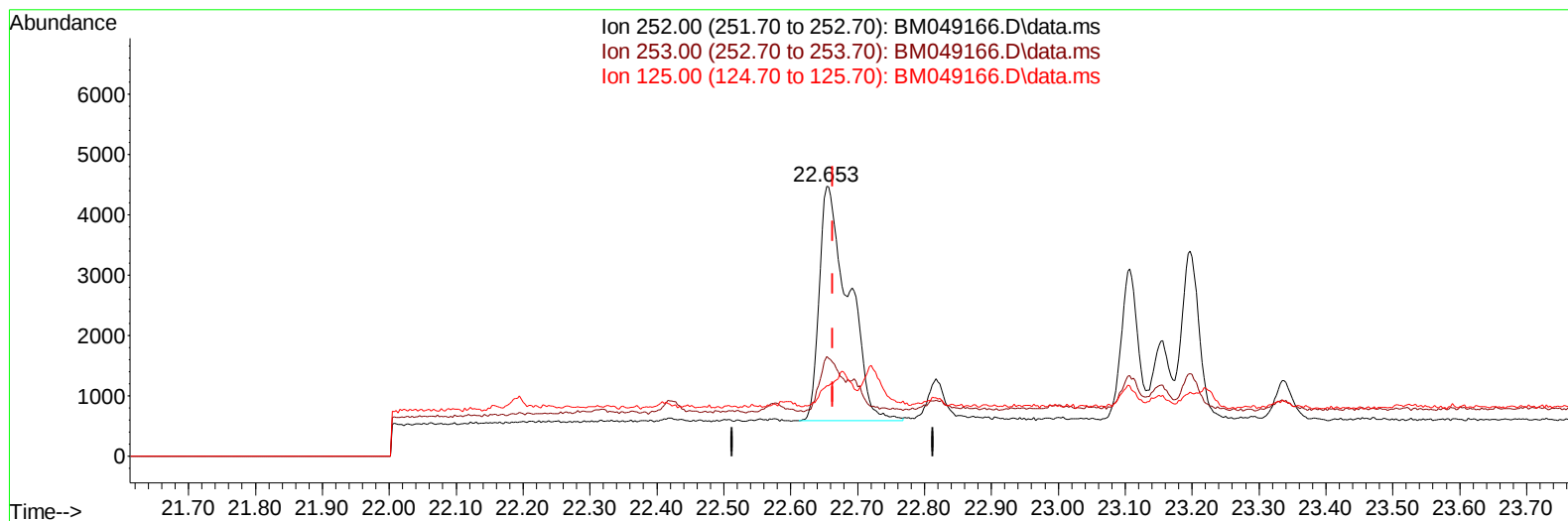
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(24) Benzo(b)fluoranthene

22.653min (-0.009) 0.24 ng/u1

response 11778

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	36.82
125.00	15.40	26.01
0.00	0.00	0.00

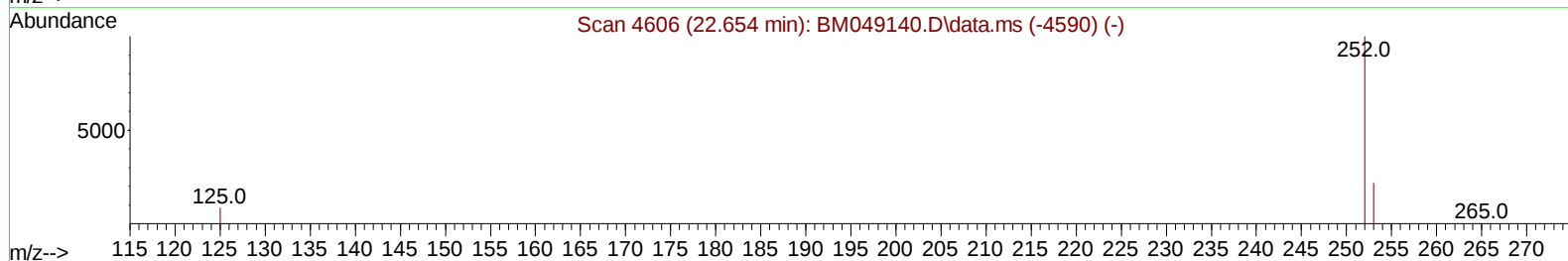
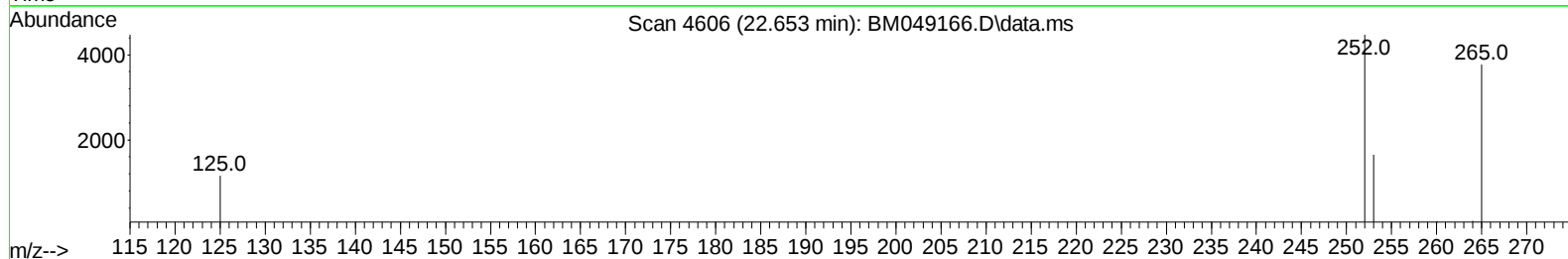
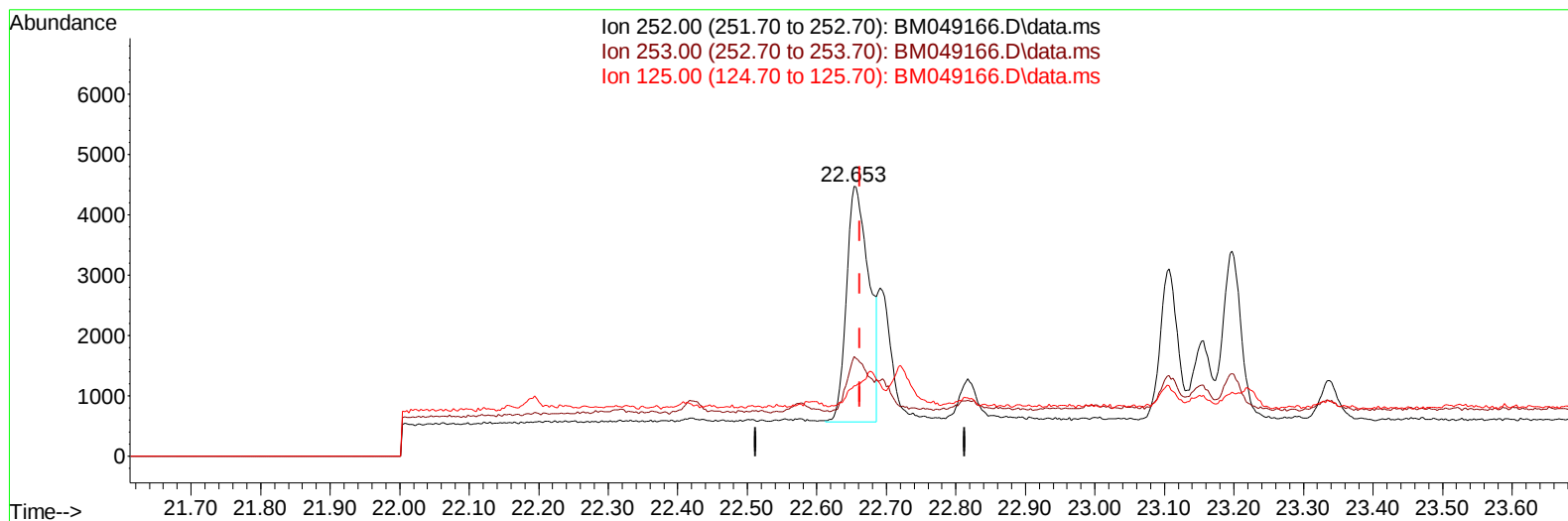
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(24) Benzo(b)fluoranthene

22.653min (-0.009) 0.18 ng/u1 m

response 8780

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	36.82
125.00	15.40	26.01
0.00	0.00	0.00

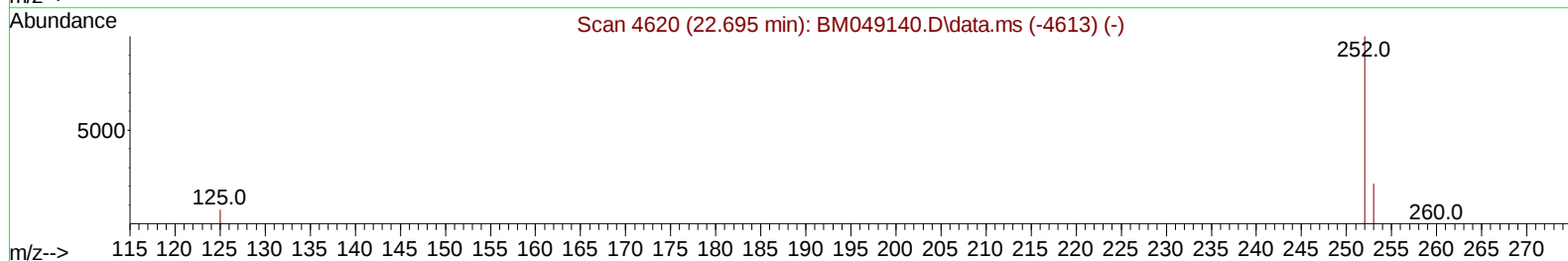
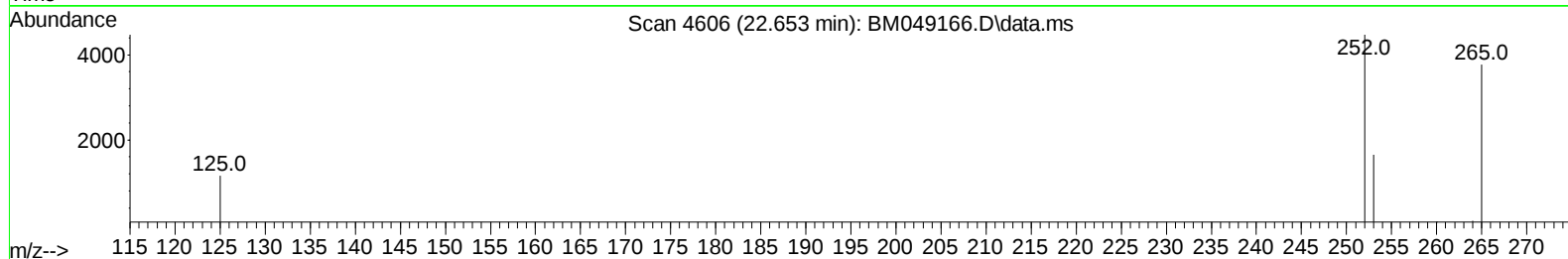
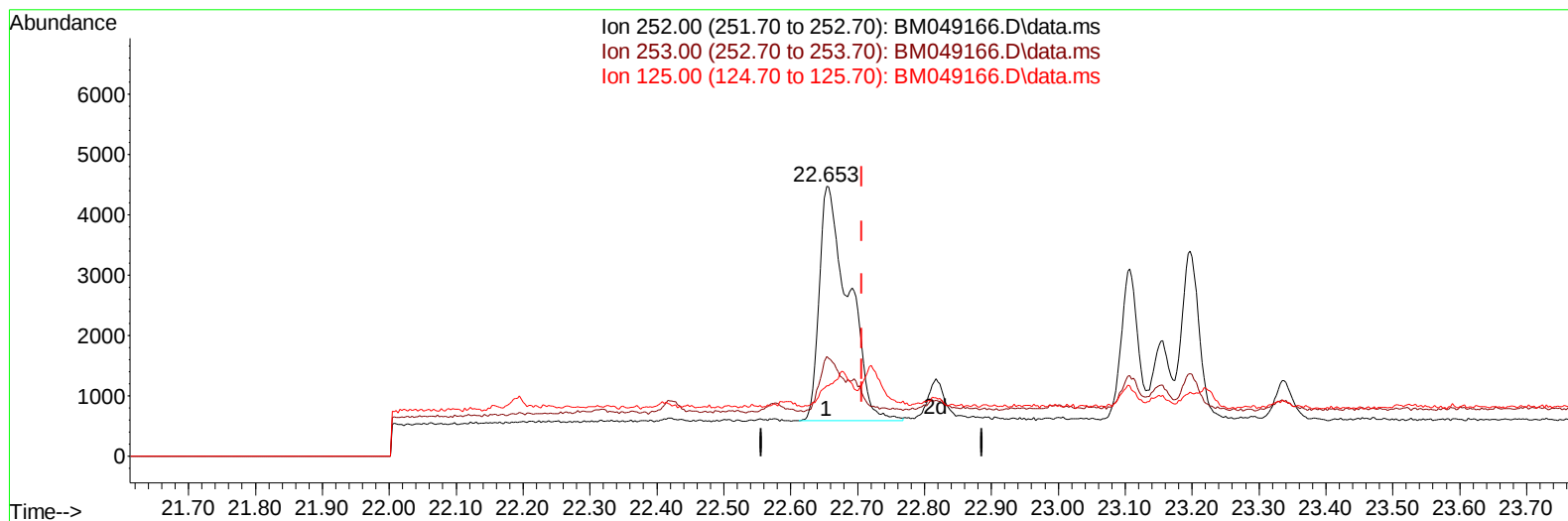
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049166.D\data.ms

(25) Benzo(k)fluoranthene

22.653min (-0.053) 0.22 ng/u1

response 11778

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	36.82#
125.00	15.70	26.01#
0.00	0.00	0.00

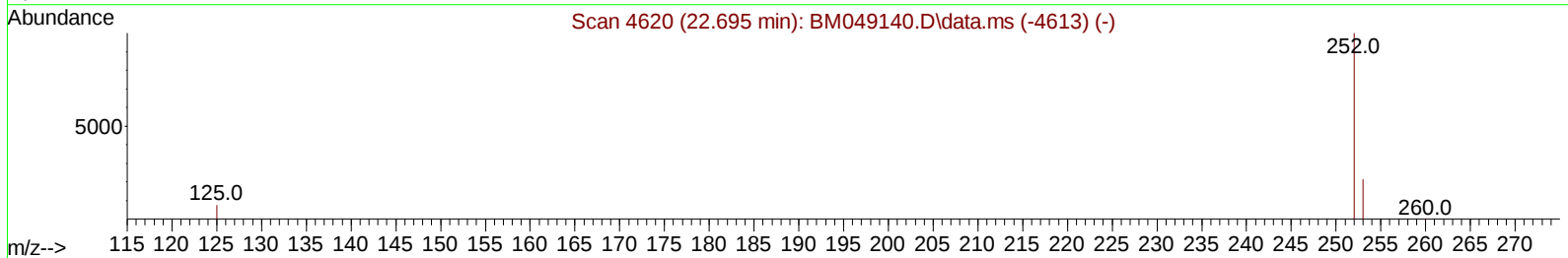
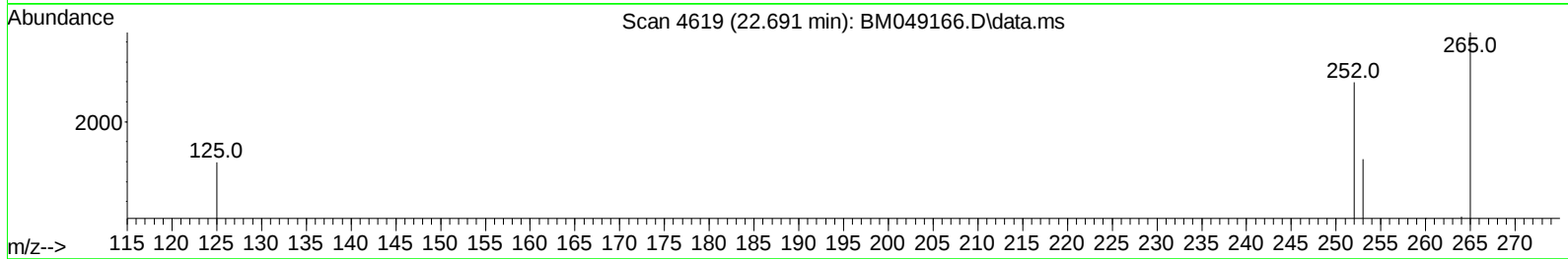
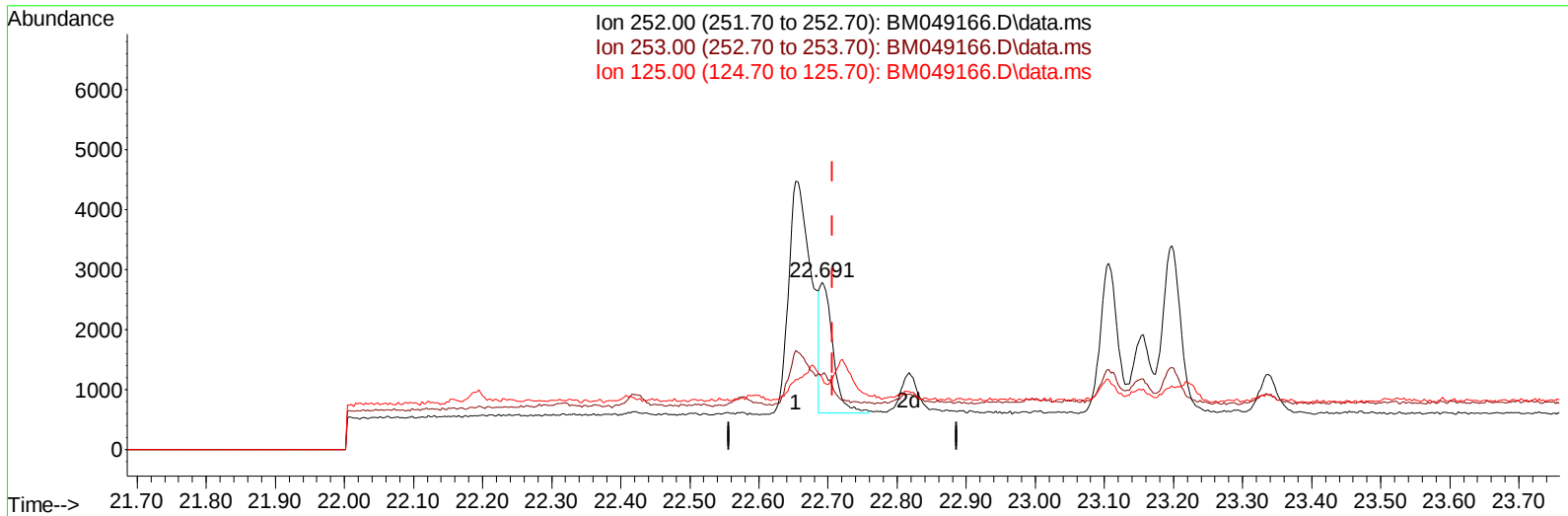
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 03:55:08 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: BM049166.D\data.ms

(25) Benzo(k)fluoranthene

22.691min (-0.015) 0.05 ng/u1 m

response 2932

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	44.89#
125.00	15.70	42.82#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049166.D
 Acq On : 24 Dec 2024 03:28
 Operator : RC/JU
 Sample : P5302-14
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2AN7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 03:55:08 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	7.552	152		5150	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136		15353	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.187	164		8413	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.934	188		18357m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.140	240		15968m	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264		15452m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.143	96		16959	2.855	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.915	152		3434	0.166	ng/ul	0.00
18) Fluoranthene-d10	18.974	212		7285	0.161	ng/ul	0.00
Target Compounds							
							Qvalue
10) Acenaphthylene	13.905	152		1830	0.052	ng/ul#	87
15) Phenanthrene	16.977	178		3888m	0.081	ng/ul	
19) Fluoranthene	19.002	202		12035	0.208	ng/ul	98
20) Pyrene	19.365	202		10284m	0.167	ng/ul	
21) Benzo(a)anthracene	21.125	228		4209m	0.076	ng/ul	
22) Chrysene	21.175	228		5579	0.094	ng/ul	95
24) Benzo(b)fluoranthene	22.653	252		8780m	0.178	ng/ul	
25) Benzo(k)fluoranthene	22.691	252		2932m	0.054	ng/ul	
26) Benzo(a)pyrene	23.197	252		5014	0.106	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.427	276		4514	0.067	ng/ul#	98
29) Benzo(g,h,i)perylene	26.081	276		4701	0.087	ng/ul	92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049166.D
Acq On : 24 Dec 2024 03:28
Operator : RC/JU
Sample : P5302-14
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2AN7

Manual IntegrationsAPPROVED

Quant Time: Dec 24 03:55:08 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 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

