

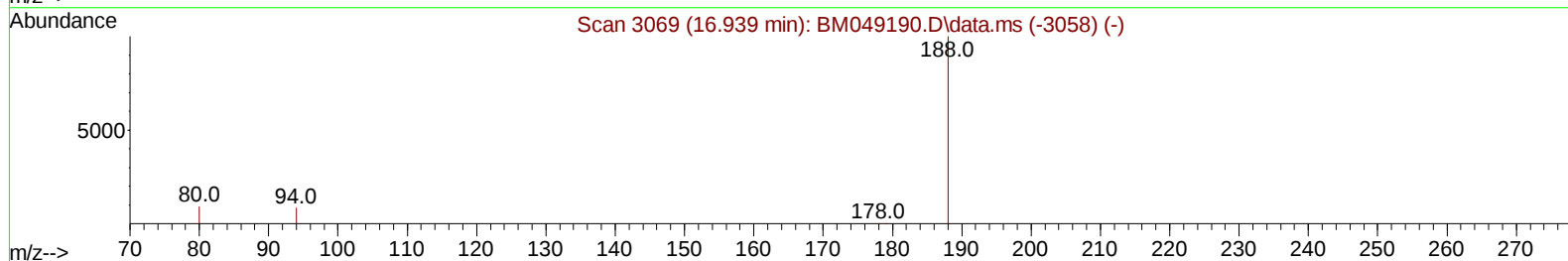
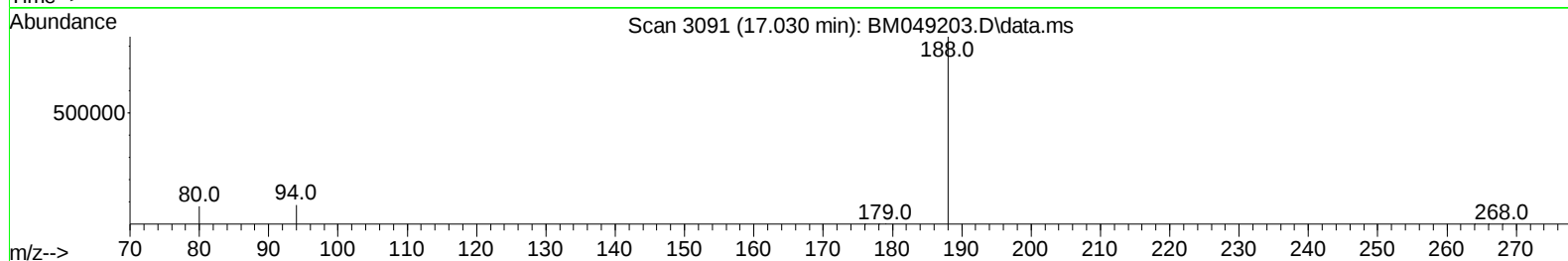
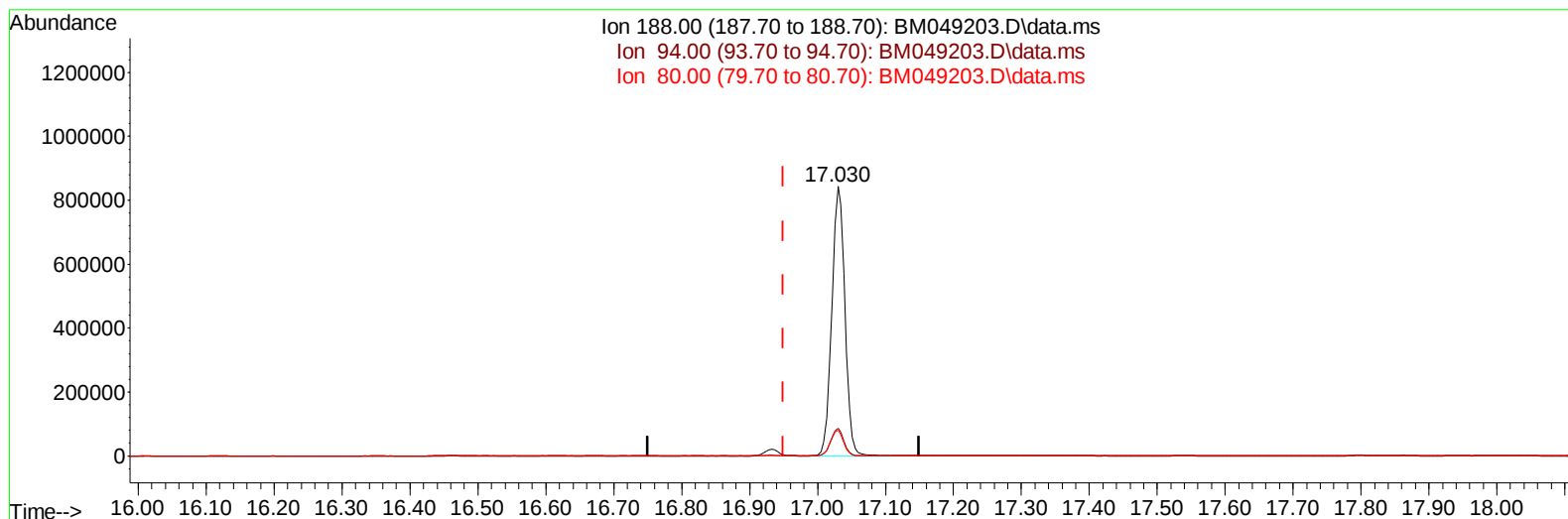
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(13) Phenanthrene-d10 (I)

17.030min (+ 0.080) 0.40 ng/u1

response 1133140

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.30
80.00	10.70	9.48
0.00	0.00	0.00

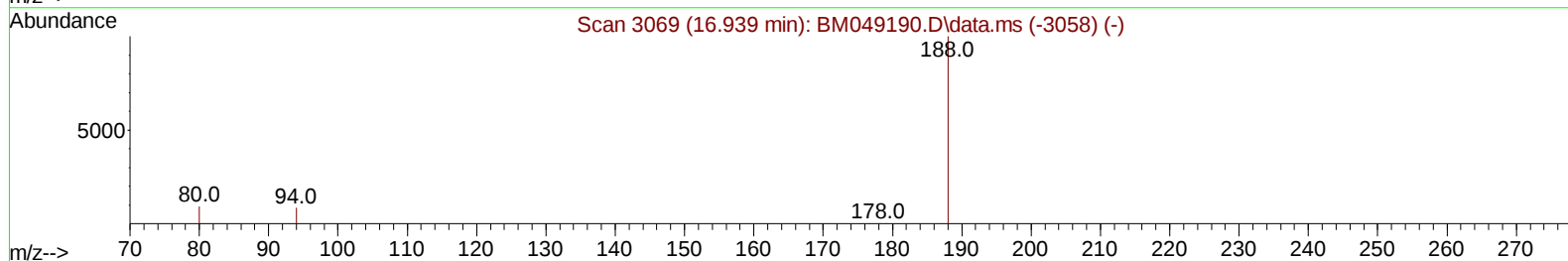
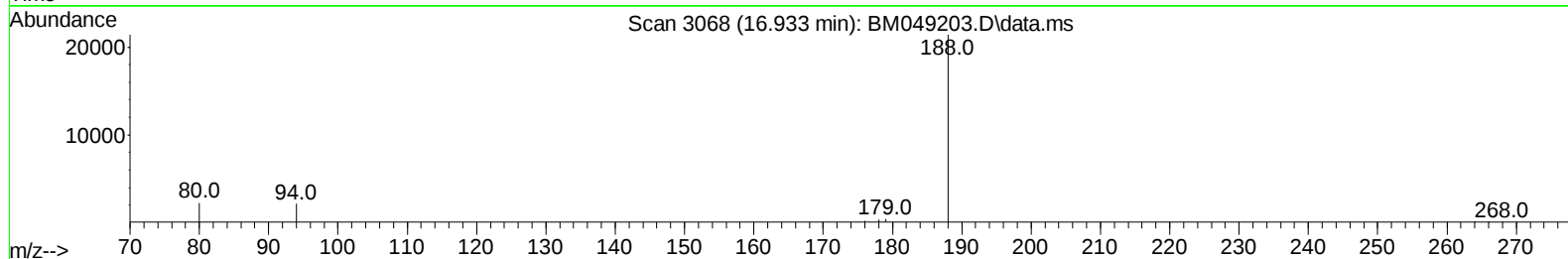
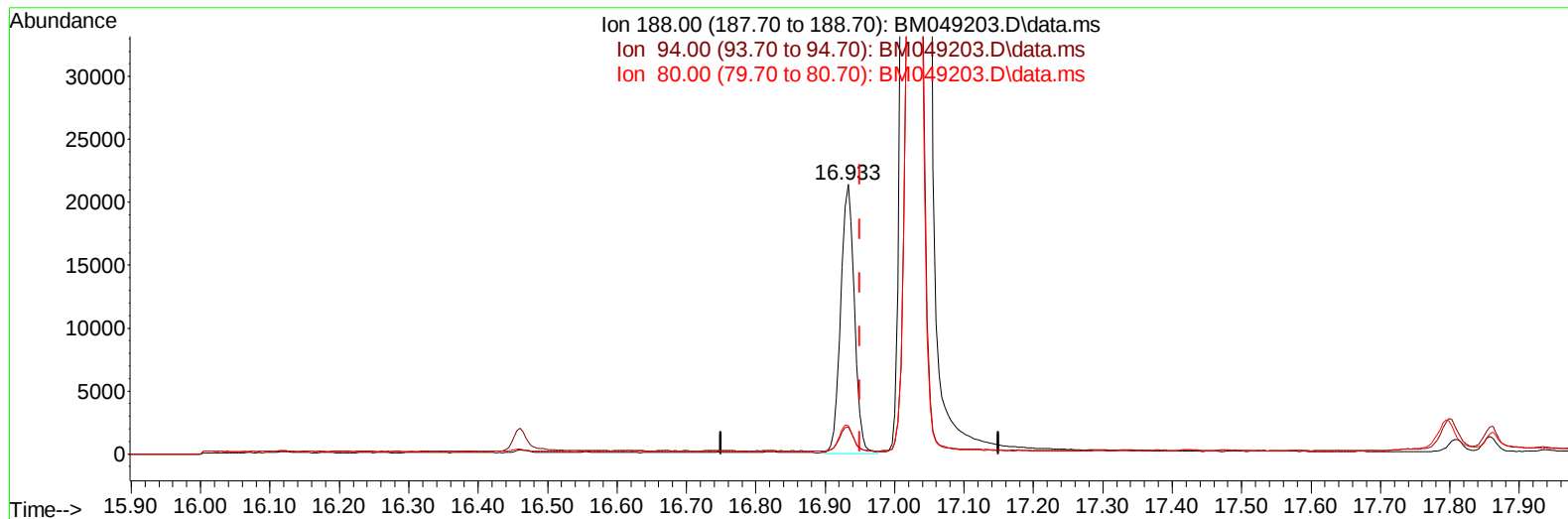
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(13) Phenanthrene-d10 (I)

16.933min (-0.017) 0.40 ng/ul m

response 29456

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.02
80.00	10.70	10.50
0.00	0.00	0.00

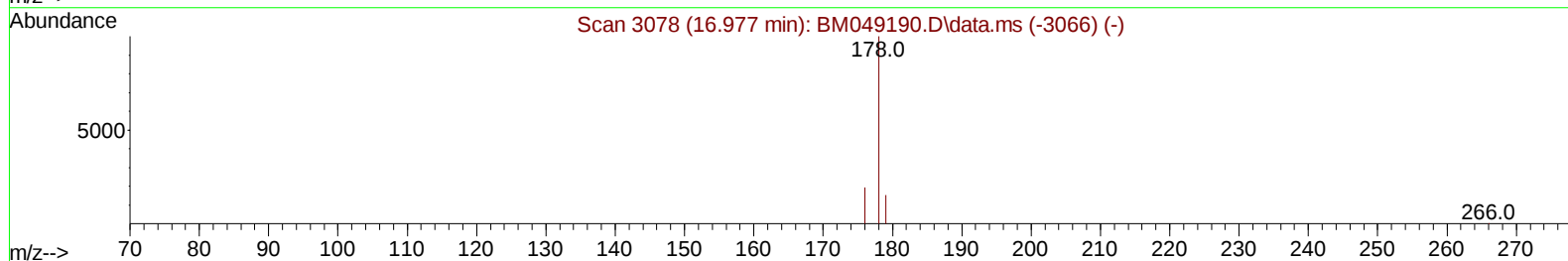
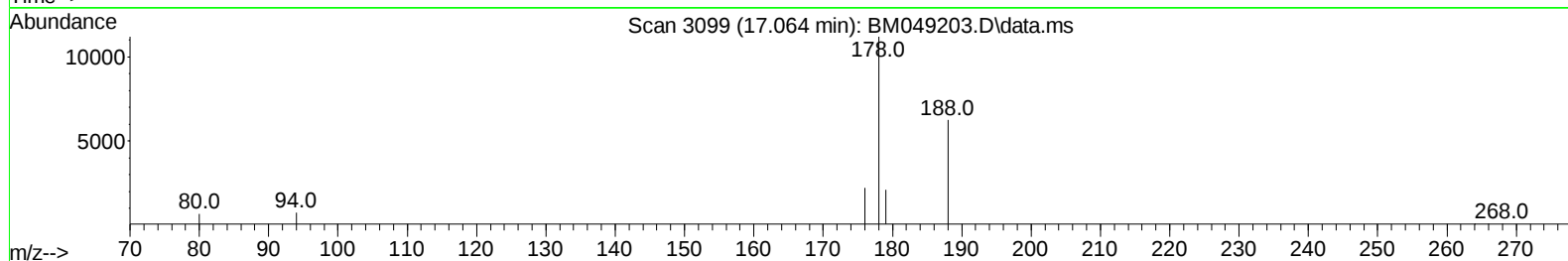
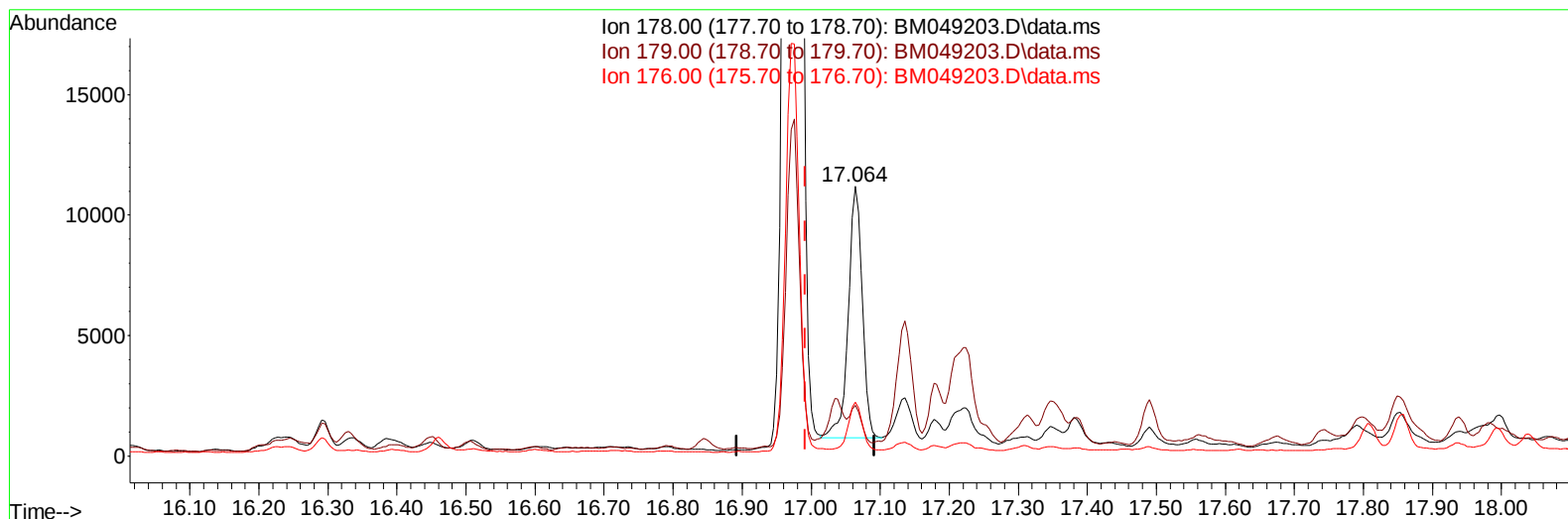
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(15) Phenanthrene

17.064min (+ 0.072) 0.19 ng/u1

response 14680

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	18.74
176.00	20.20	19.83
0.00	0.00	0.00

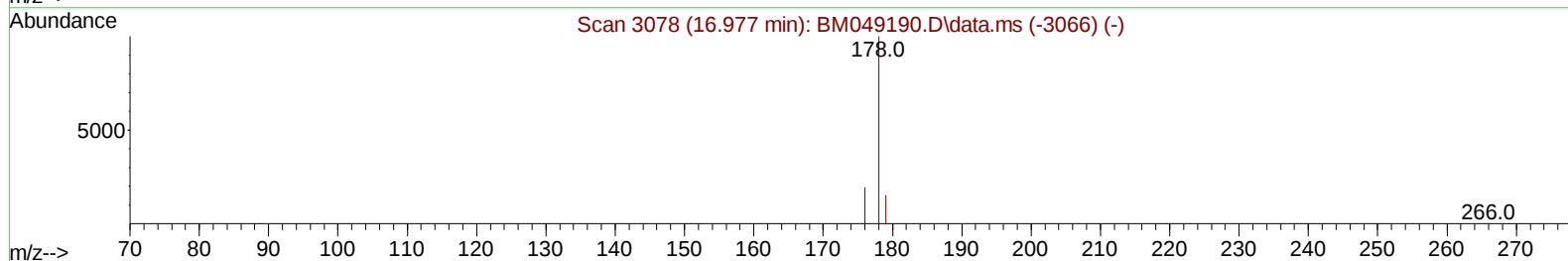
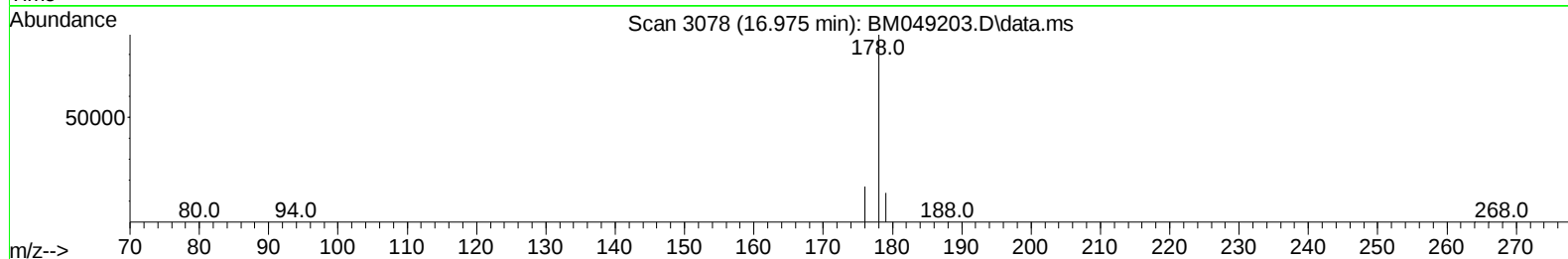
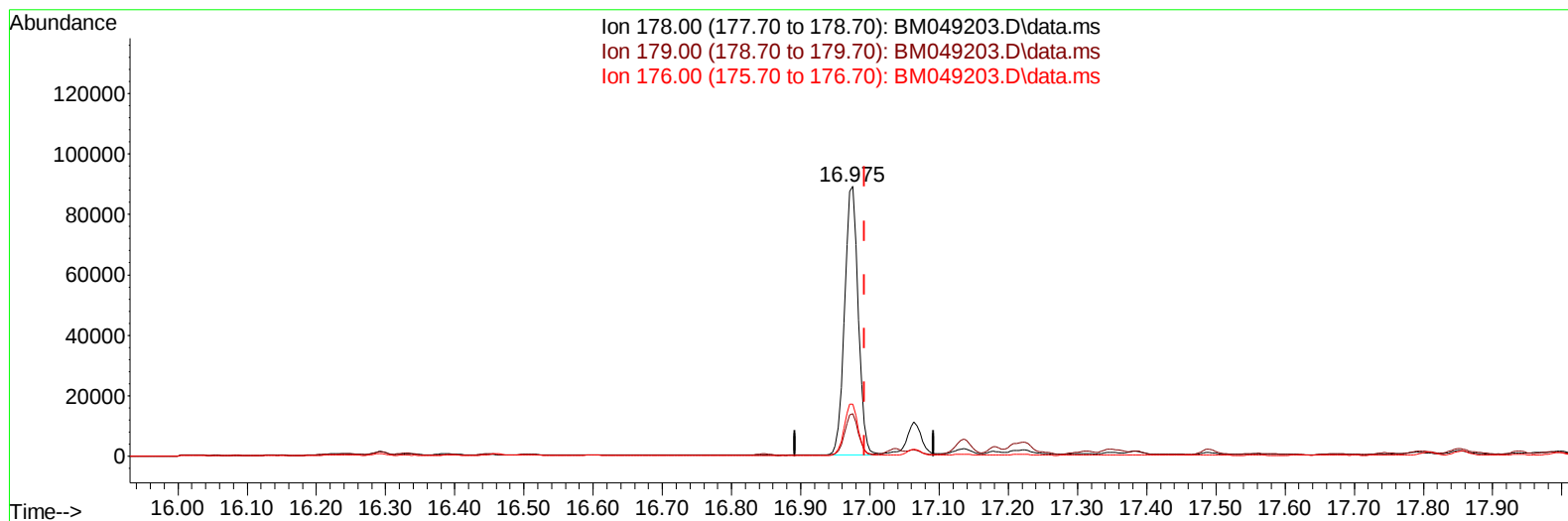
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(15) Phenanthrene

16.975min (-0.017) 1.58 ng/ul m

response 121781

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.68
176.00	20.20	19.15
0.00	0.00	0.00

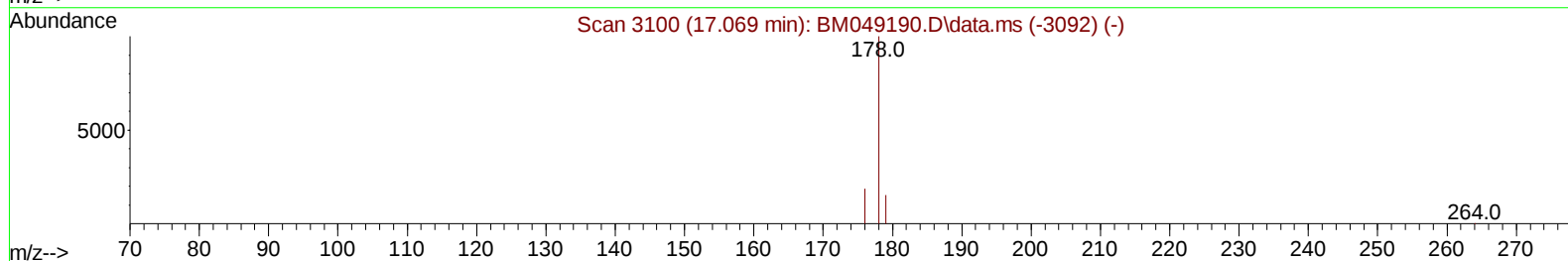
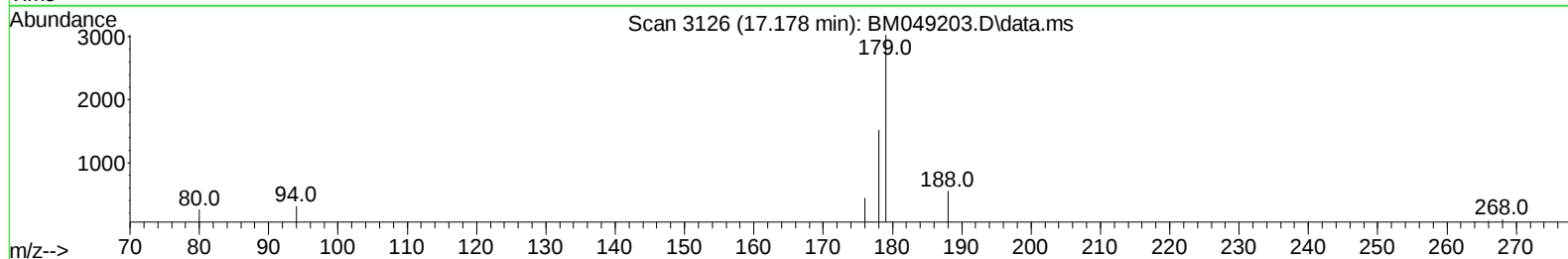
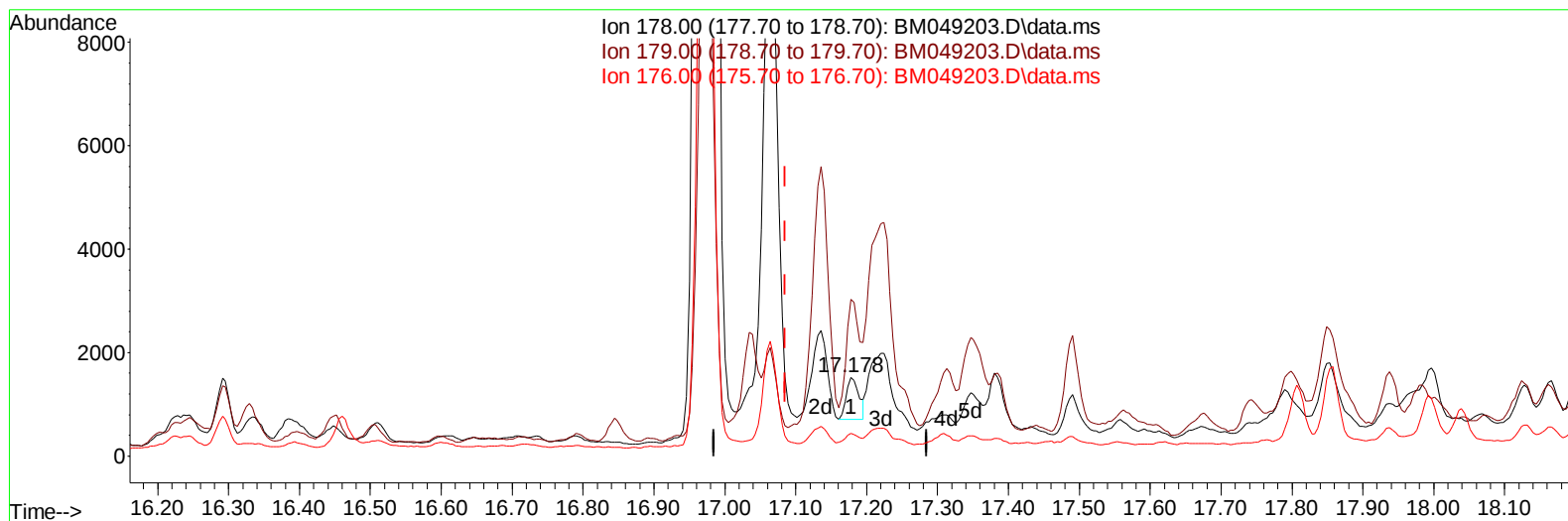
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(16) Anthracene

17.178min (+ 0.093) 0.01 ng/u1

response 1003

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	199.08#
176.00	19.10	29.02#
0.00	0.00	0.00

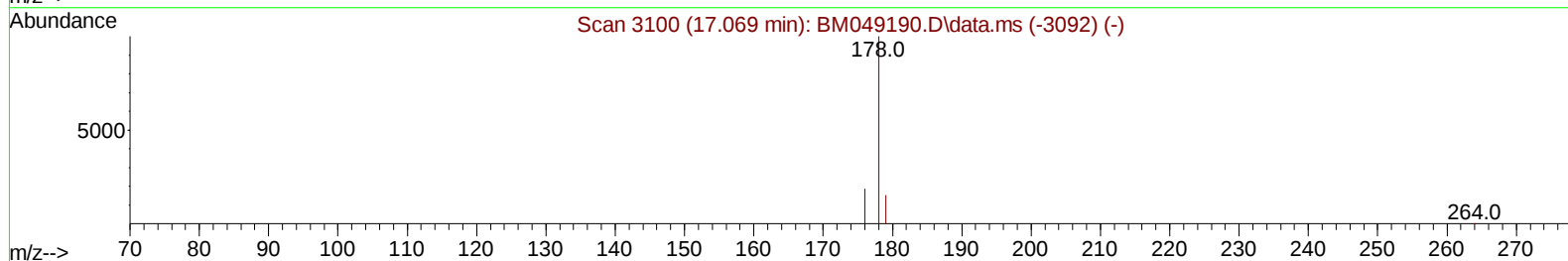
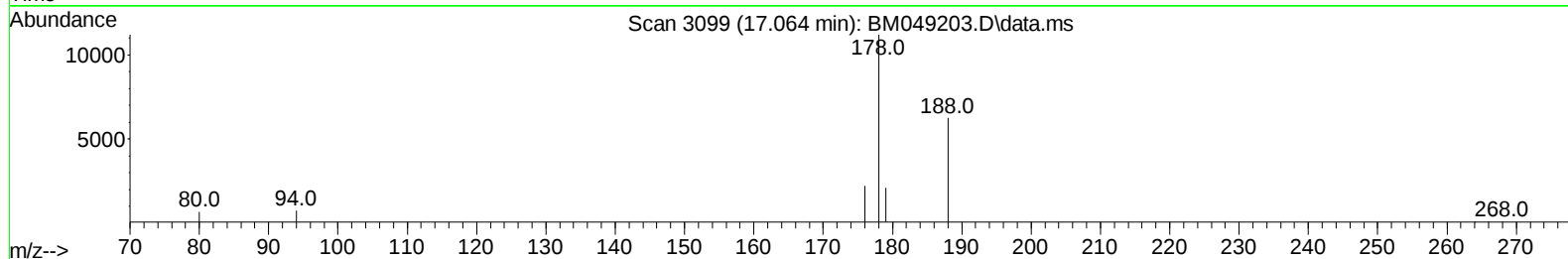
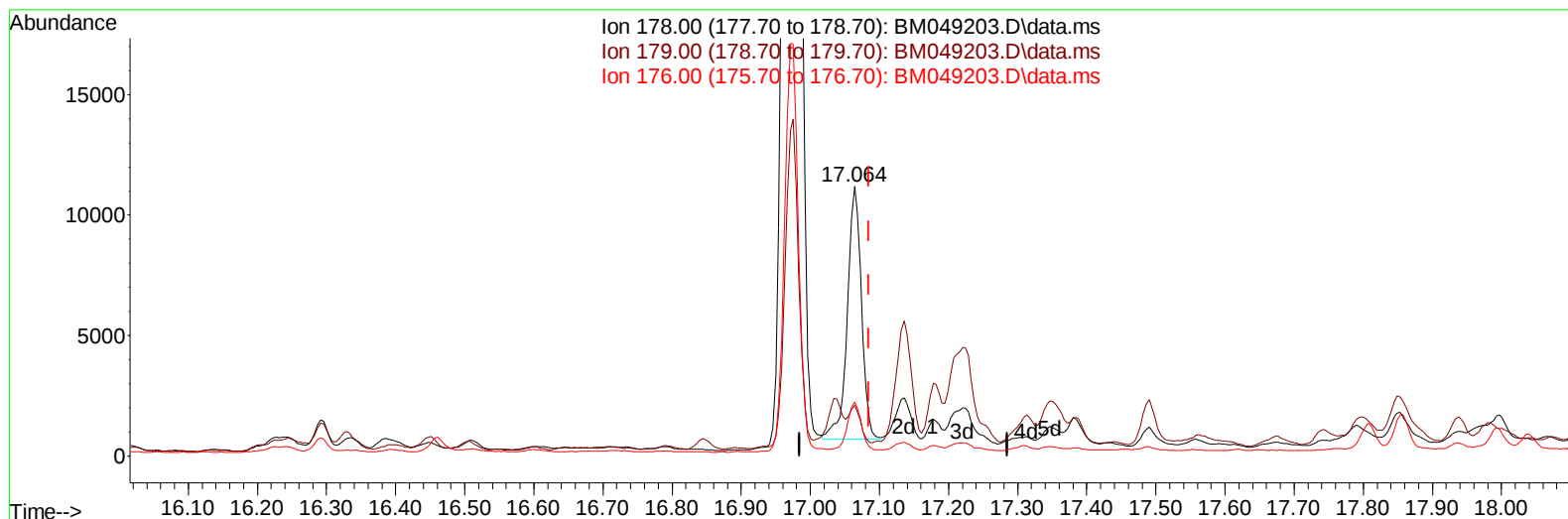
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Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(16) Anthracene

17.064min (-0.021) 0.21 ng/ul m

response 14859

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	18.74
176.00	19.10	19.83
0.00	0.00	0.00

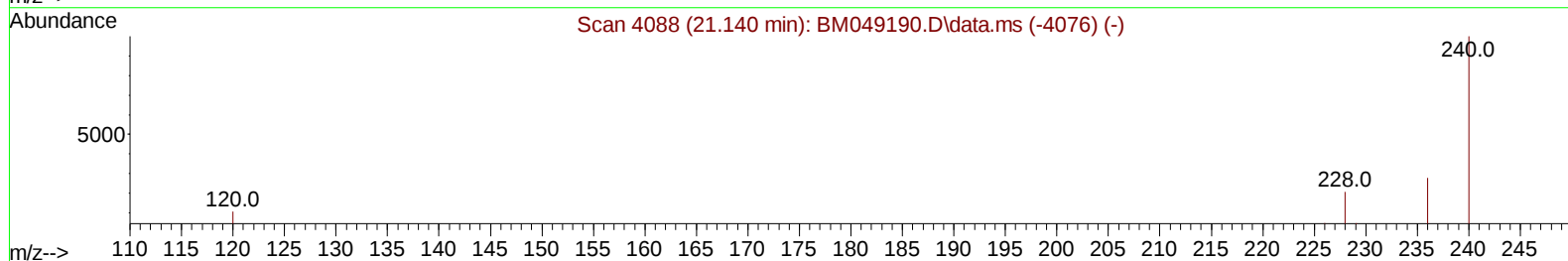
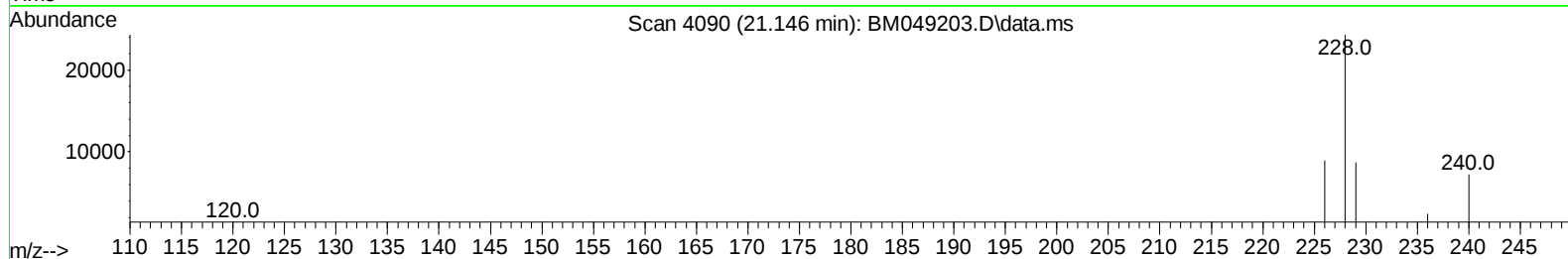
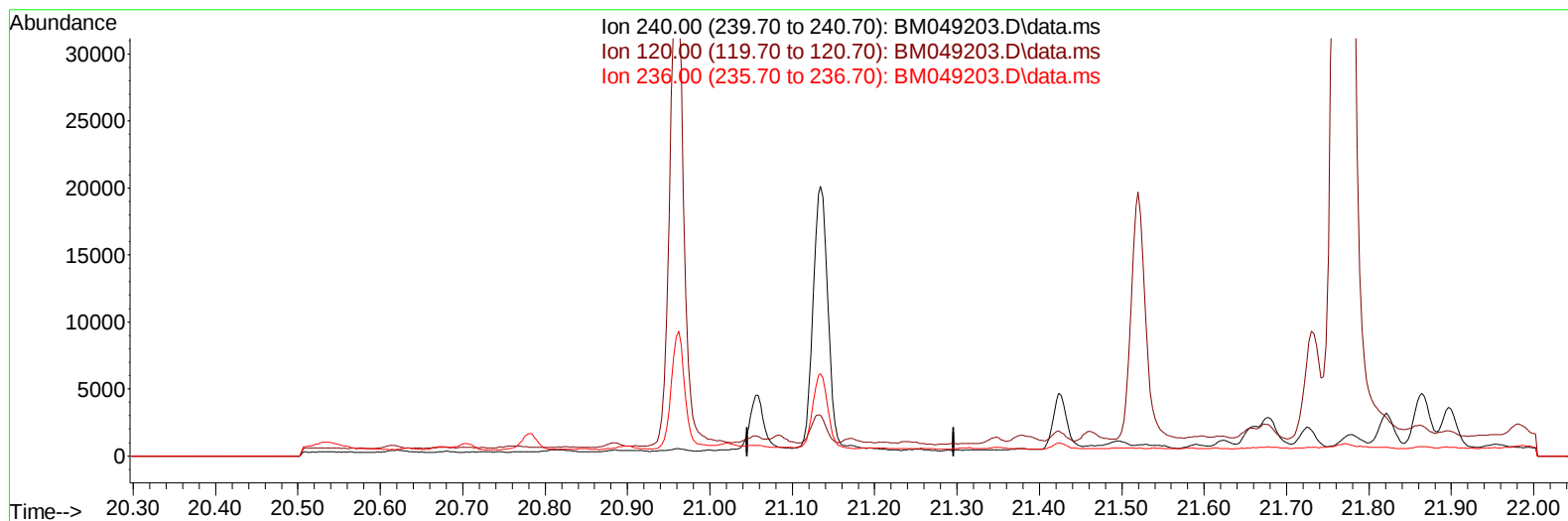
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.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

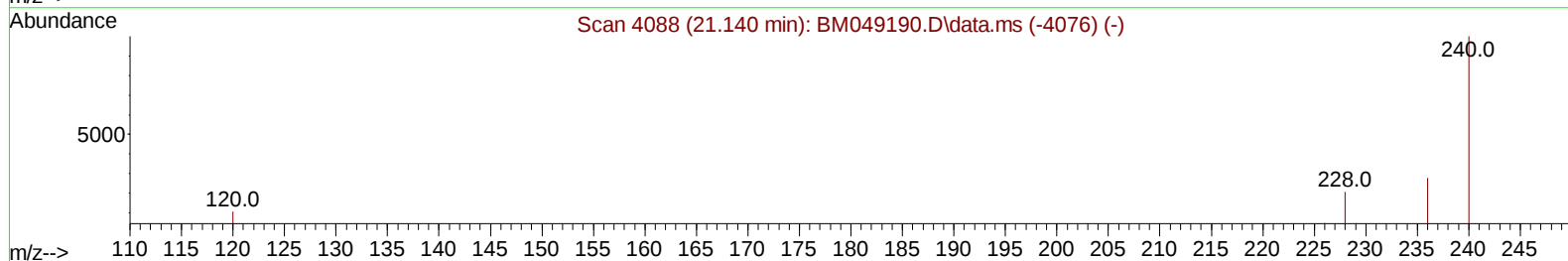
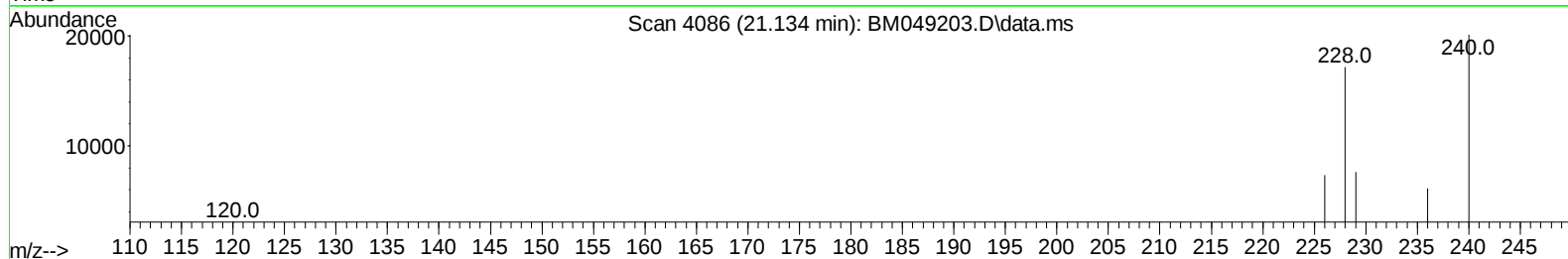
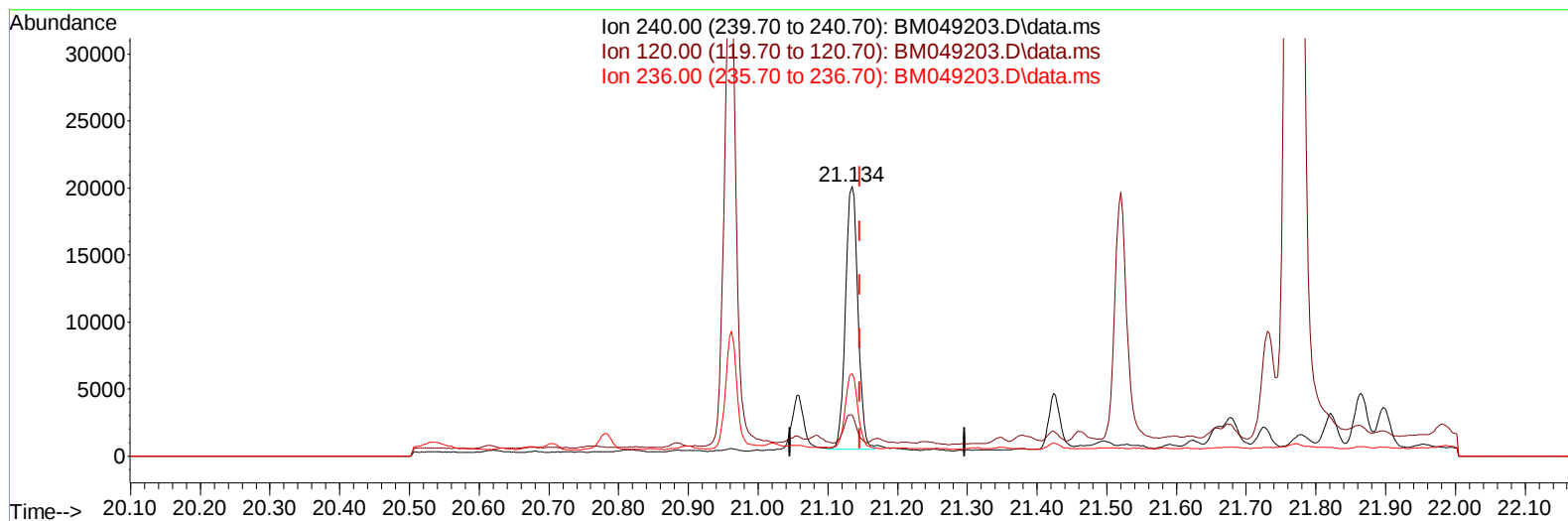
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(17) Chrysene-d12

21.134min (-0.012) 0.40 ng/u1 m

response 24508

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	15.29
236.00	29.80	30.60
0.00	0.00	0.00

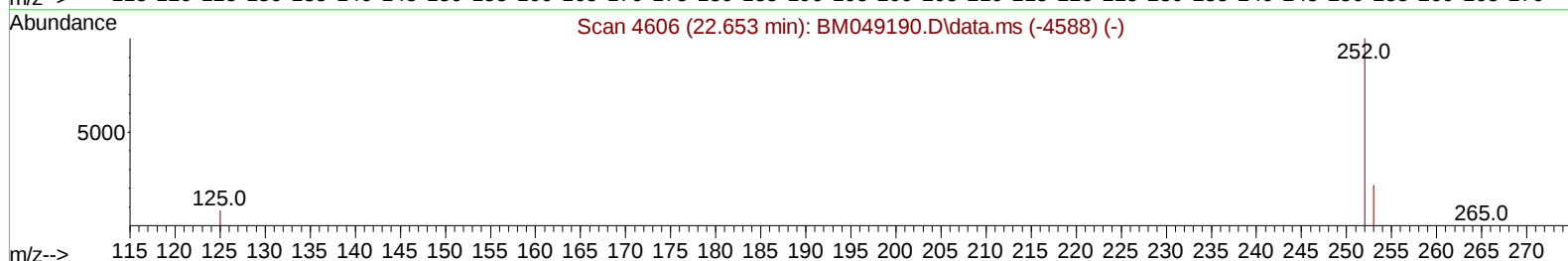
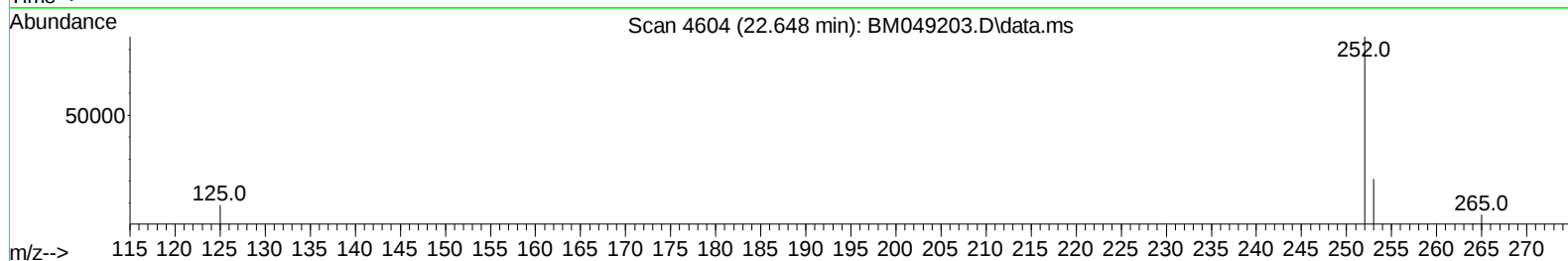
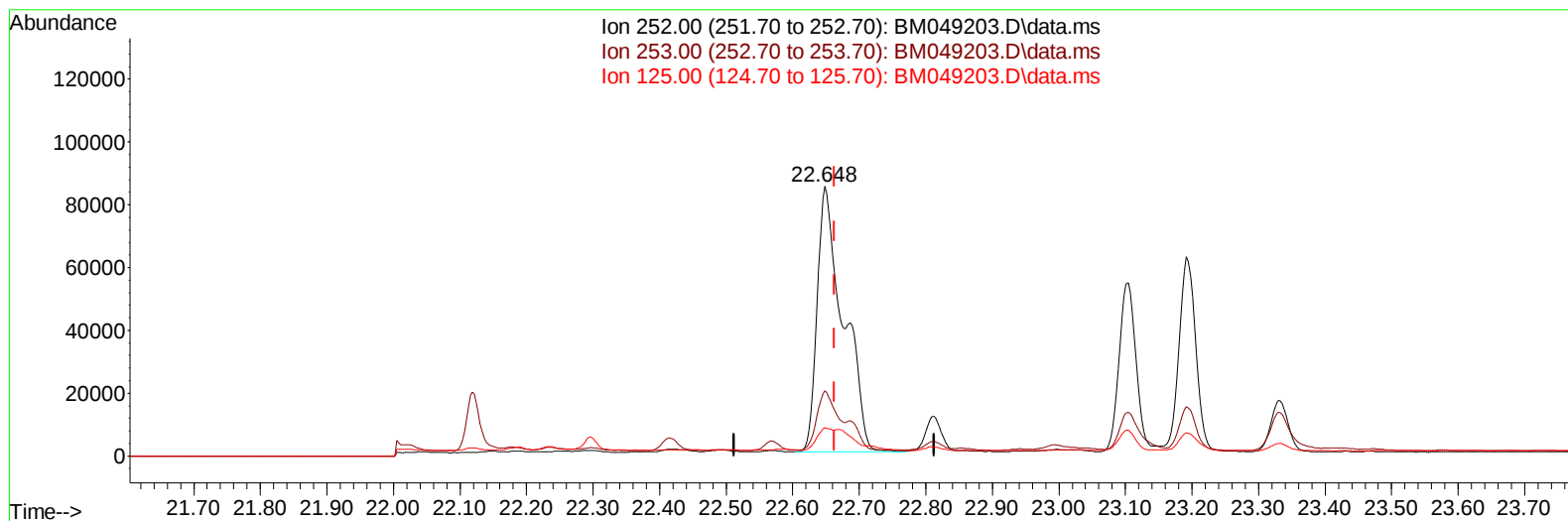
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049203.D\data.ms

(24) Benzo(b)fluoranthene

22.648min (-0.015) 2.47 ng/u1

response 229586

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	24.28
125.00	15.40	10.47
0.00	0.00	0.00

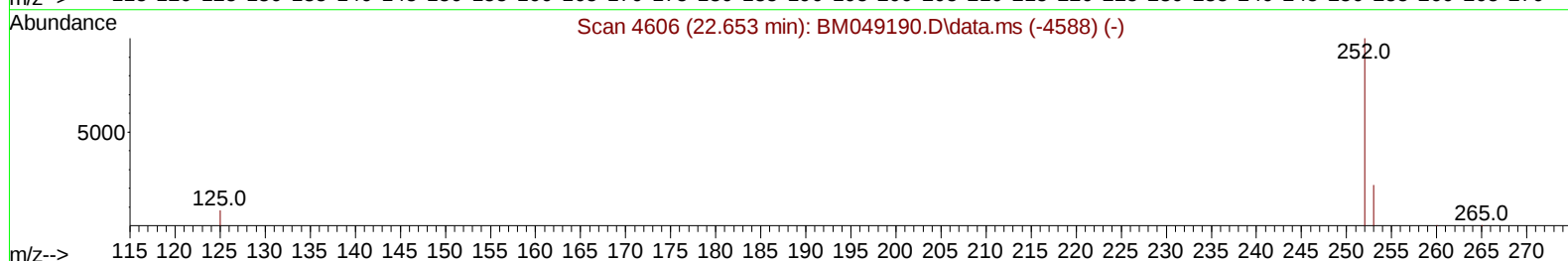
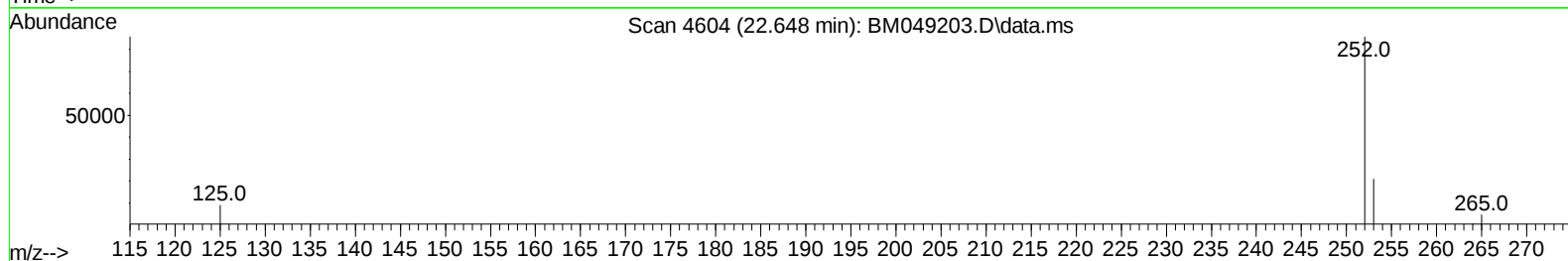
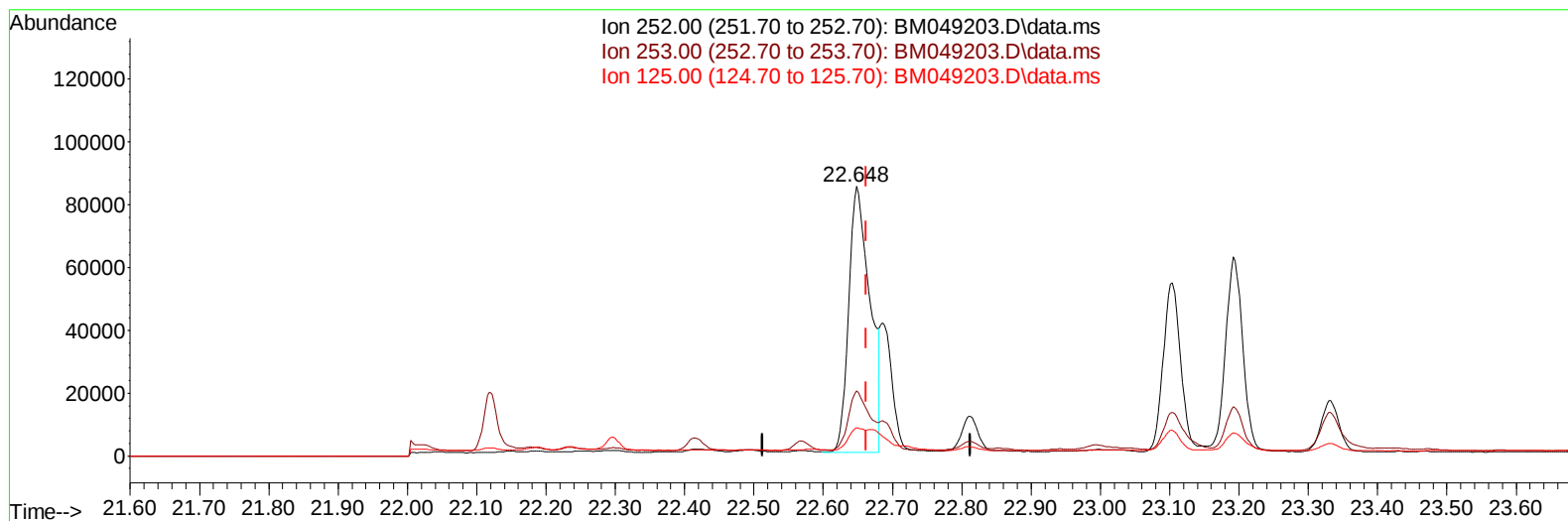
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(24) Benzo(b)fluoranthene

22.648min (-0.015) 1.93 ng/u1 m

response 180029

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	24.28
125.00	15.40	10.47
0.00	0.00	0.00

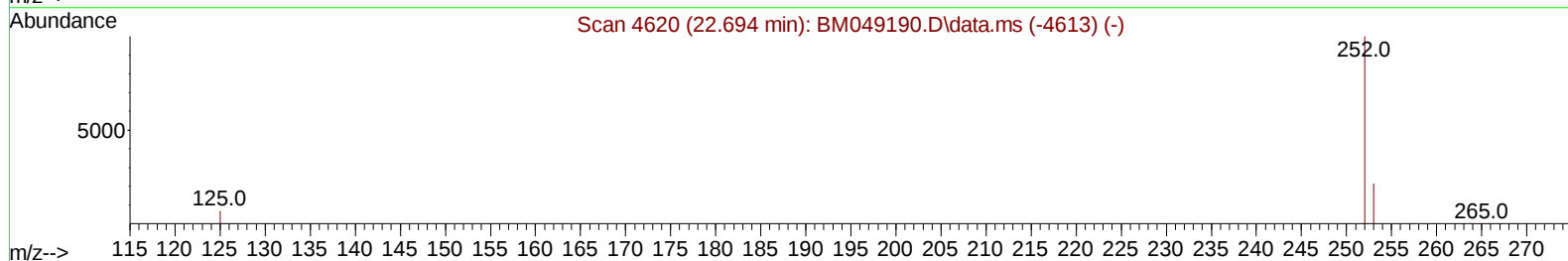
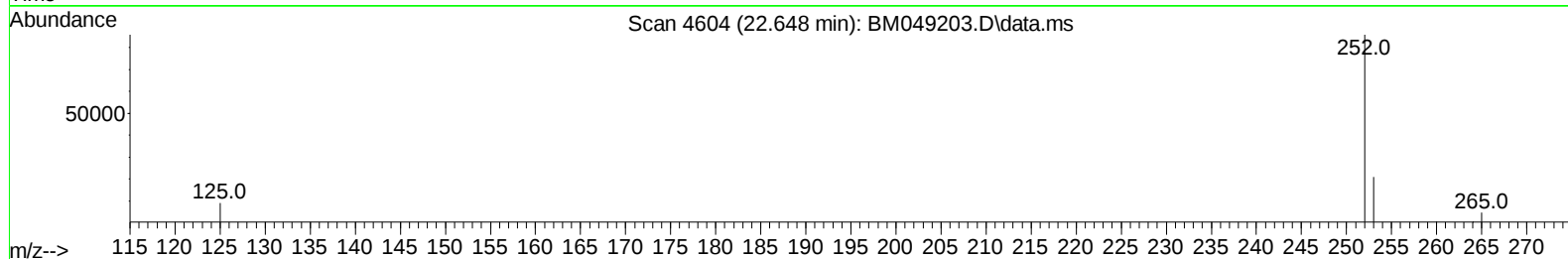
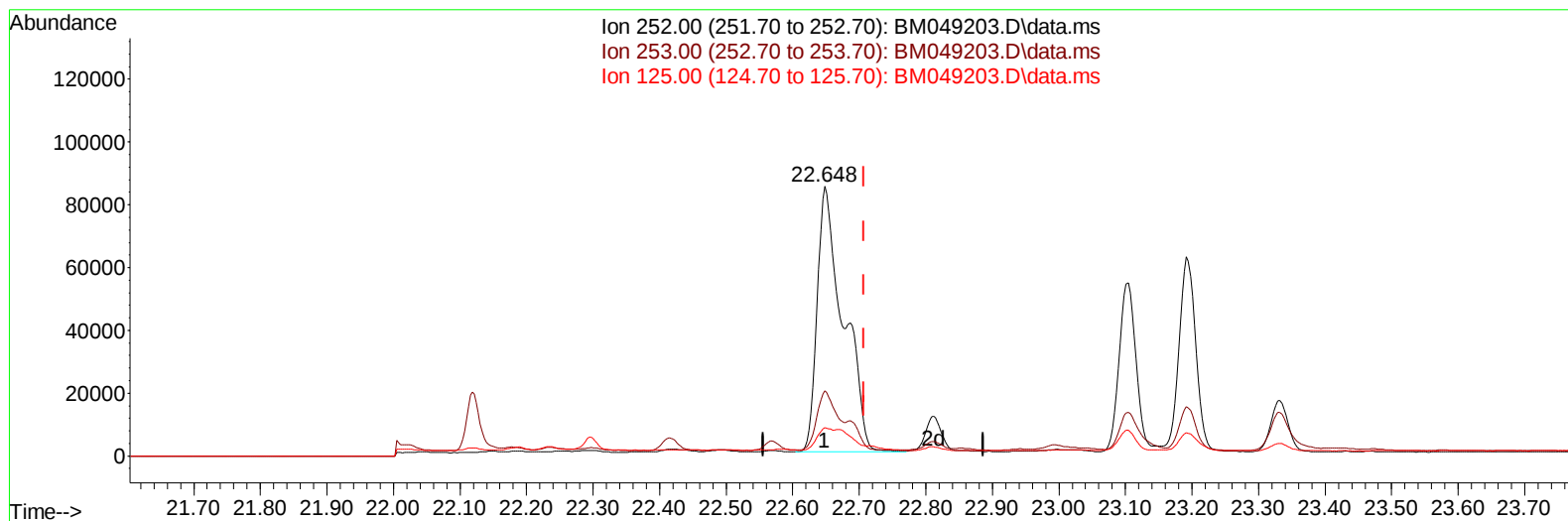
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049203.D
 Acq On : 25 Dec 2024 02:36
 Operator : RC/JU
 Sample : P5333-13
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (-0.059) 2.25 ng/u1

response 229586

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	24.28
125.00	15.70	10.47#
0.00	0.00	0.00

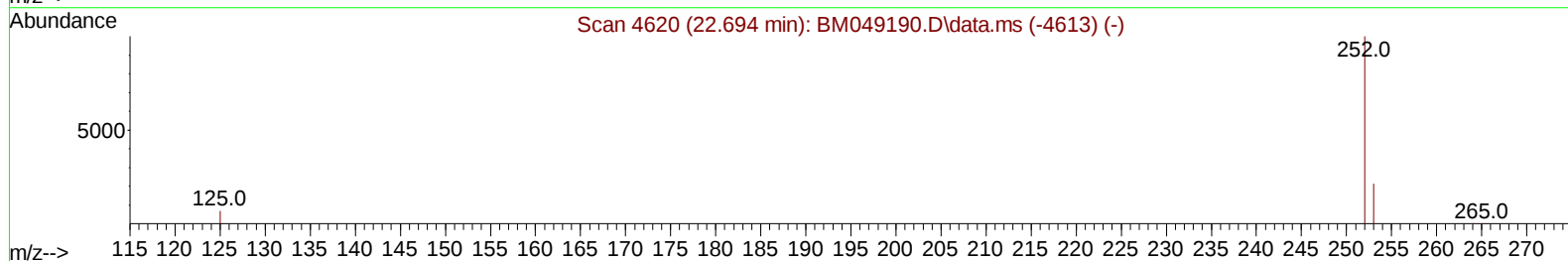
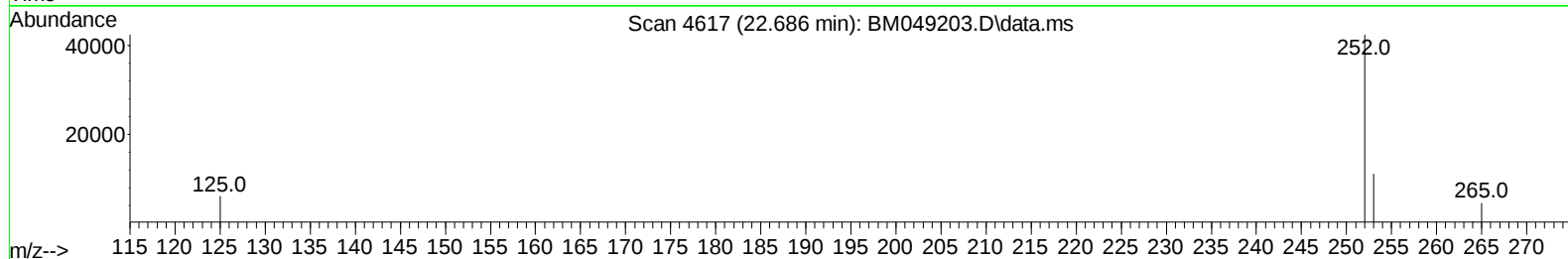
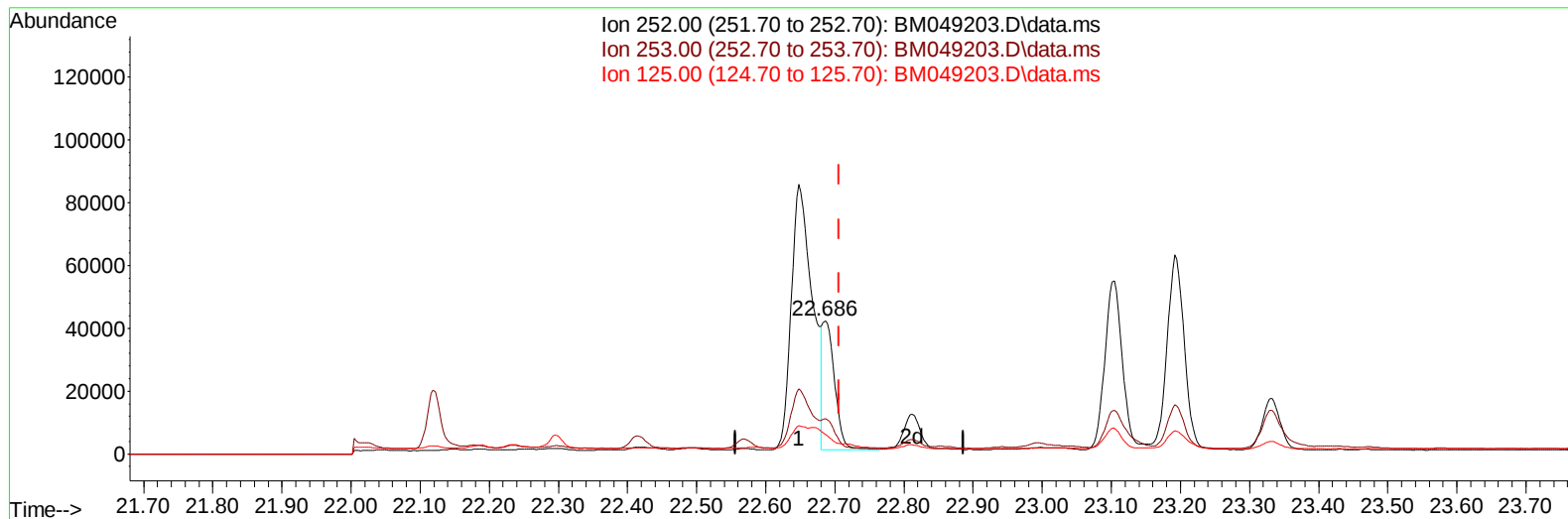
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(25) Benzo(k)fluoranthene

22.686min (-0.021) 0.48 ng/u1 m

response 49417

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	26.30
125.00	15.70	14.53
0.00	0.00	0.00

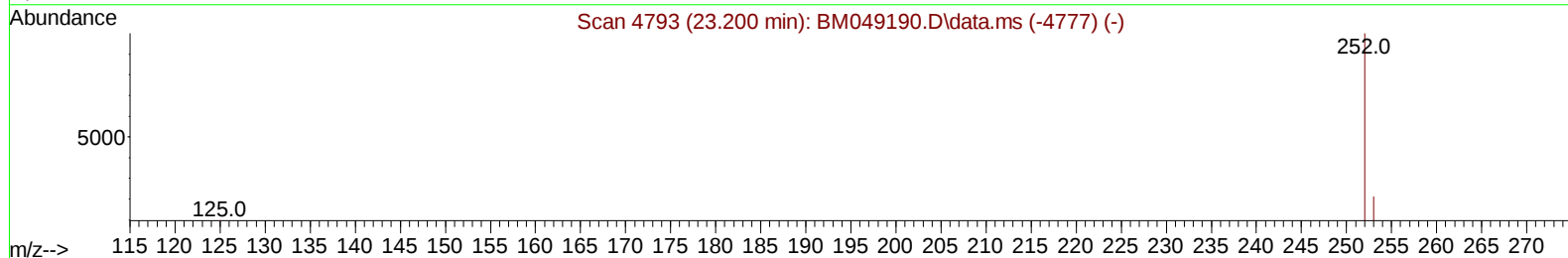
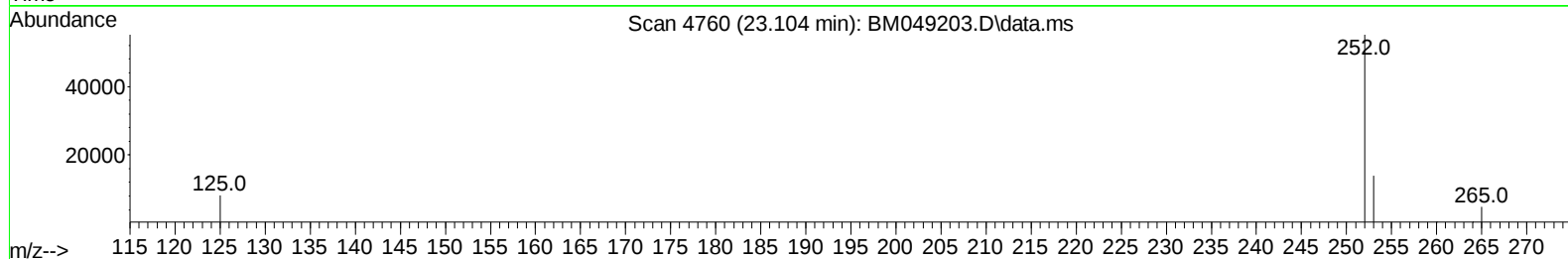
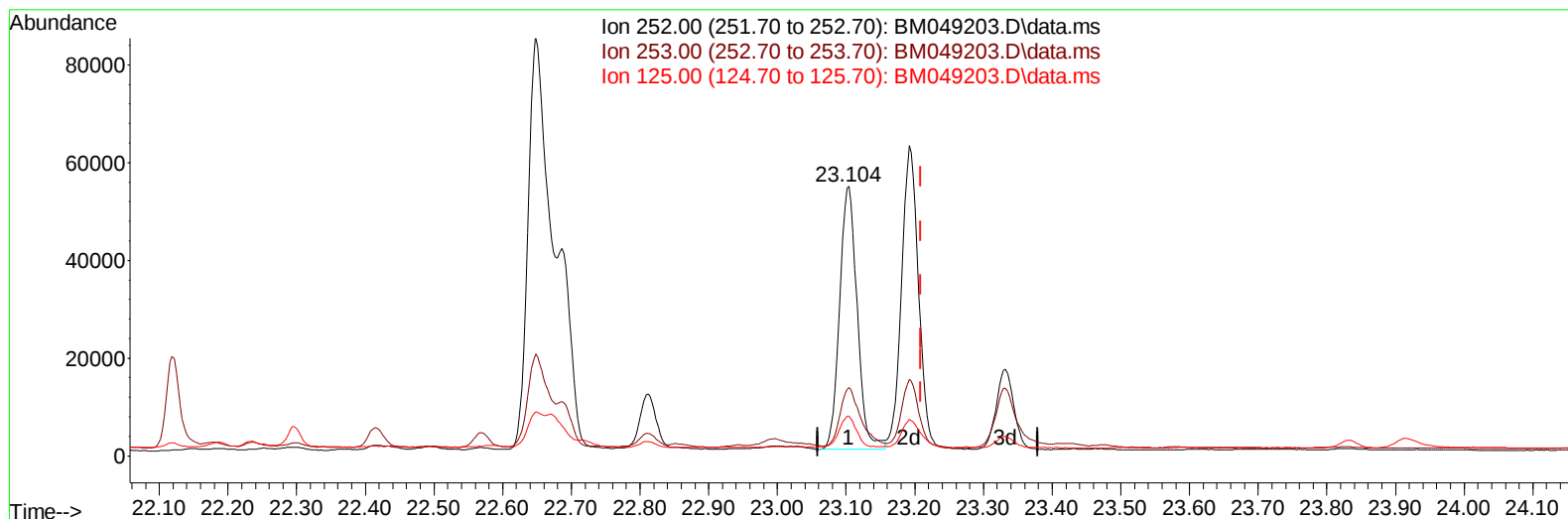
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(26) Benzo(a)pyrene (C)

23.104min (-0.105) 1.07 ng/u1

response 95826

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	25.27
125.00	18.50	14.81
0.00	0.00	0.00

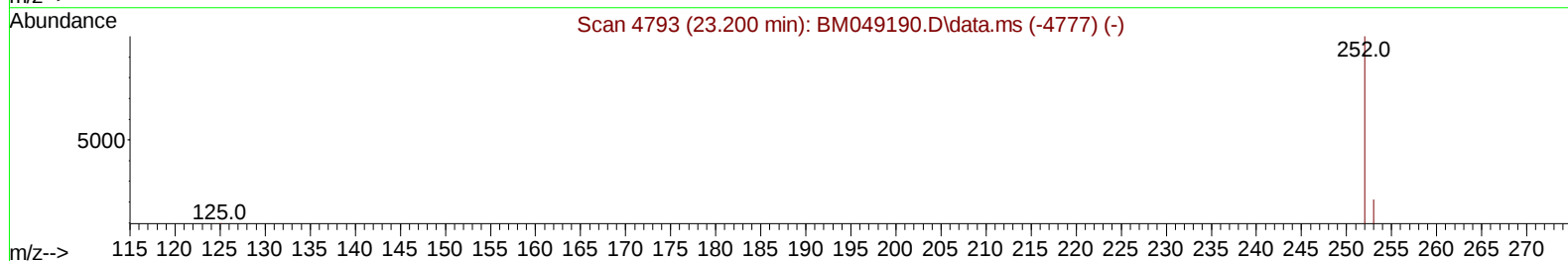
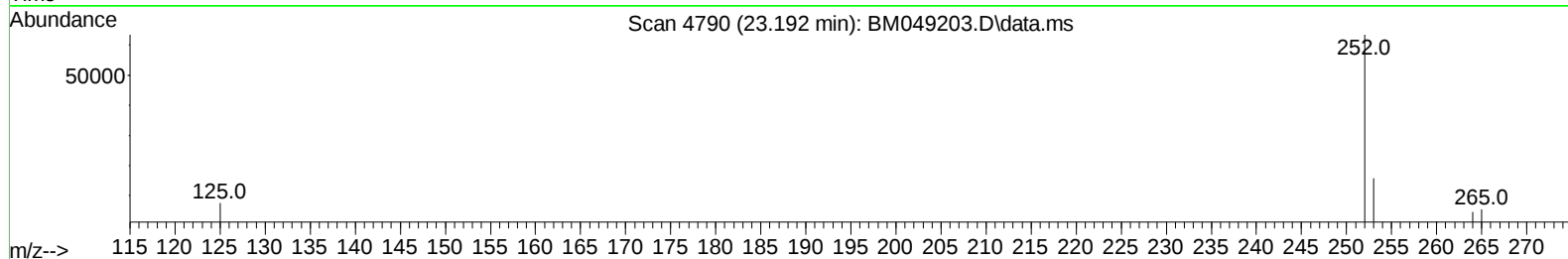
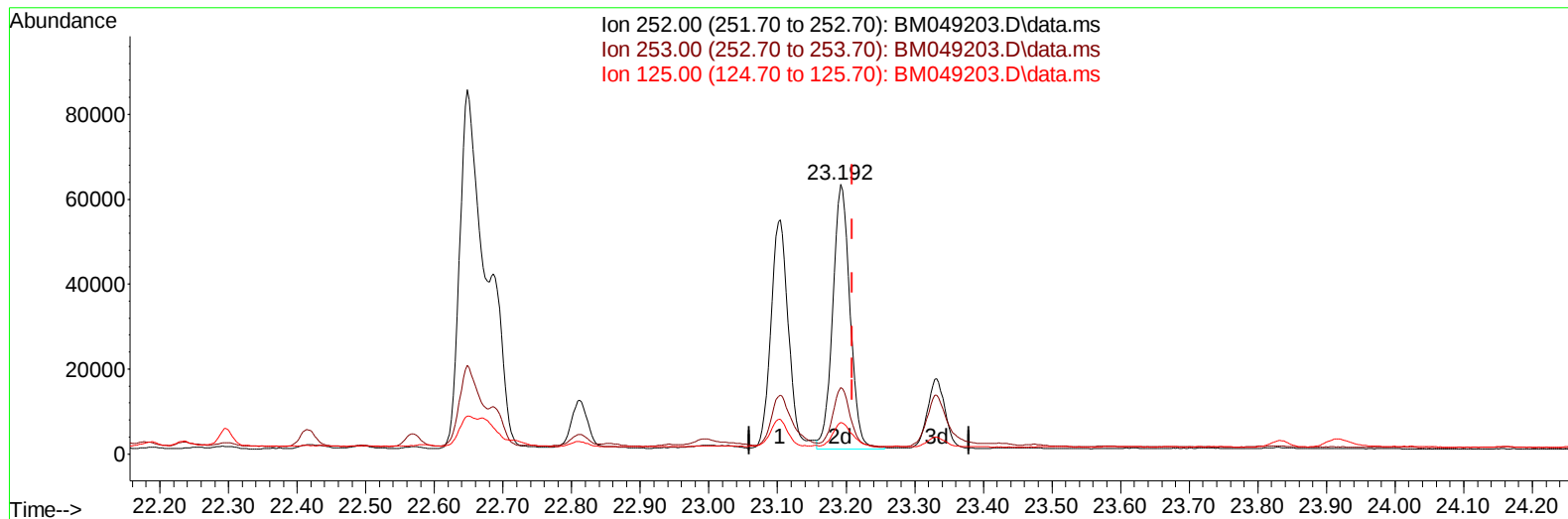
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049203.D
Acq On : 25 Dec 2024 02:36
Operator : RC/JU
Sample : P5333-13
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2915

Manual IntegrationsAPPROVED

Quant Time: Dec 25 03:04:55 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: BM049203.D\data.ms

(26) Benzo(a)pyrene (C)

23.192min (-0.018) 1.21 ng/u1 m

response 108501

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	24.78
125.00	18.50	11.75#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049203.D
 Acq On : 25 Dec 2024 02:36
 Operator : RC/JU
 Sample : P5333-13
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2915

Manual IntegrationsAPPROVED

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

Quant Time: Dec 25 03:04:55 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.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	7285	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	22590	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.181	164	12751	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.933	188	29456m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.134	240	24508m	0.400	ng/ul	-0.01
23) Perylene-d12	23.285	264	29151	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.138	96	33554	3.994	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.903	152	8059	0.265	ng/ul	-0.02
18) Fluoranthene-d10	18.968	212	12982	0.187	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.358	128	46910	0.830	ng/ul	99
7) 2-Methylnaphthalene	11.980	142	32289	0.901	ng/ul	98
8) 1-Methylnaphthalene	12.200	142	15133	0.412	ng/ul	100
10) Acenaphthylene	13.899	152	6914	0.131	ng/ul#	93
11) Acenaphthene	14.246	153	3430	0.089	ng/ul	97
12) Fluorene	15.236	166	3441	0.079	ng/ul#	88
15) Phenanthrene	16.975	178	121781m	1.583	ng/ul	
16) Anthracene	17.064	178	14859m	0.210	ng/ul	
19) Fluoranthene	18.996	202	170275	1.922	ng/ul	100
20) Pyrene	19.363	202	151299	1.601	ng/ul	98
21) Benzo(a)anthracene	21.117	228	101915	1.195	ng/ul#	95
22) Chrysene	21.169	228	129509	1.416	ng/ul#	95
24) Benzo(b)fluoranthene	22.648	252	180029m	1.933	ng/ul	
25) Benzo(k)fluoranthene	22.686	252	49417m	0.484	ng/ul	
26) Benzo(a)pyrene	23.192	252	108501m	1.215	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.417	276	94563	0.748	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.424	278	24257	0.247	ng/ul#	86
29) Benzo(g,h,i)perylene	26.064	276	105813	1.041	ng/ul	98

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

