

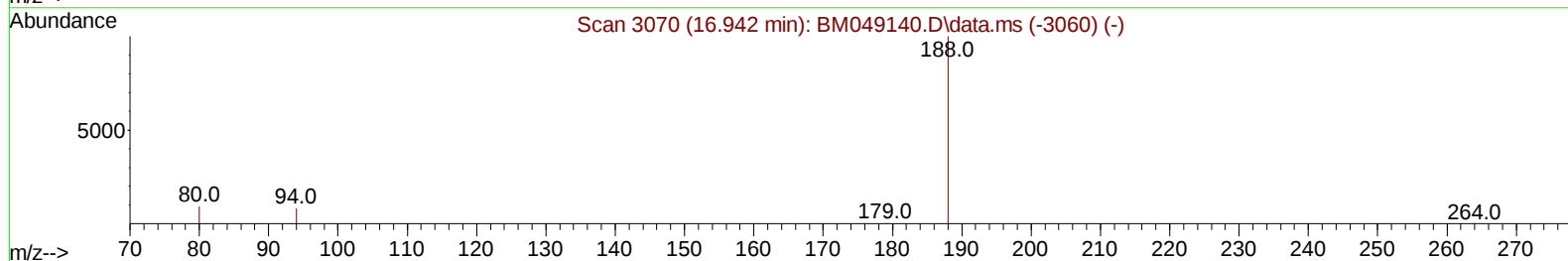
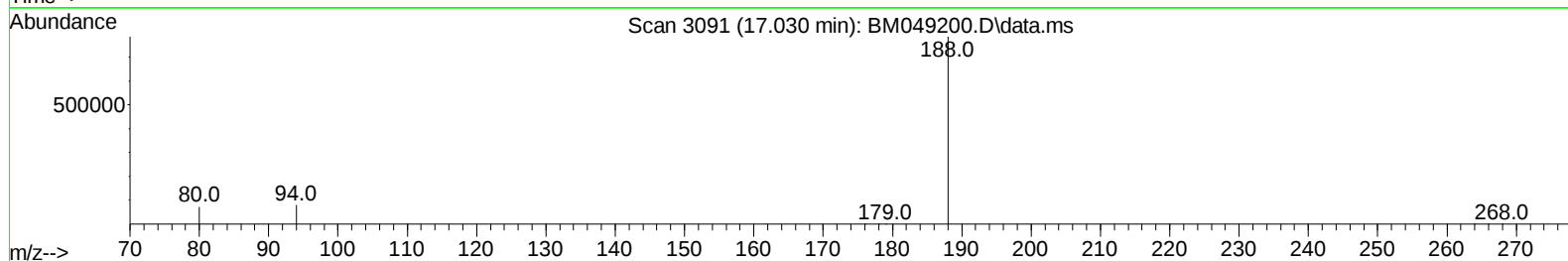
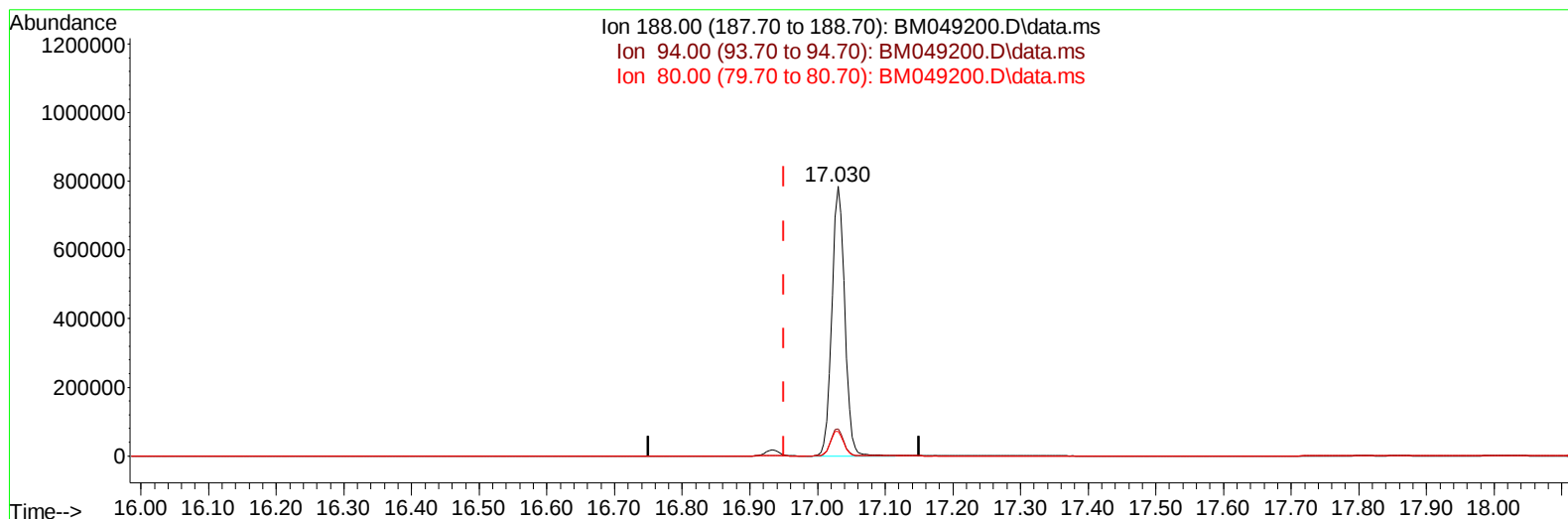
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(13) Phenanthrene-d10 (I)

17.030min (+ 0.080) 0.40 ng/u1

response 1038242

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.05
80.00	10.70	9.22
0.00	0.00	0.00

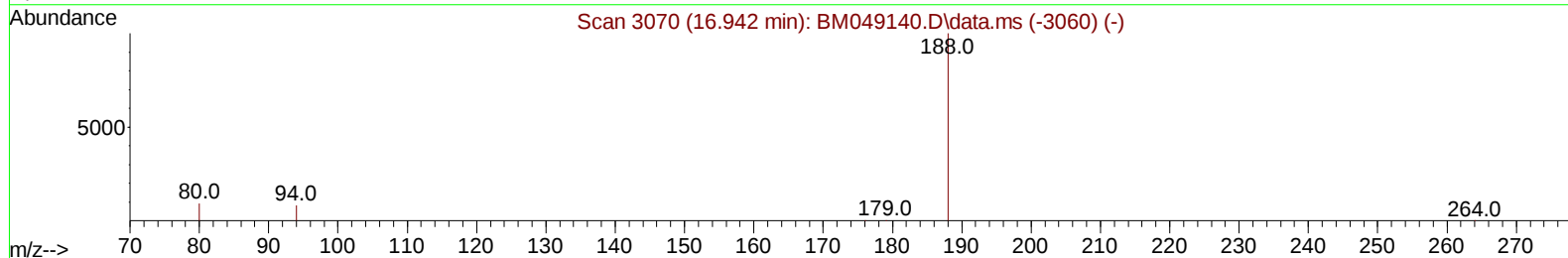
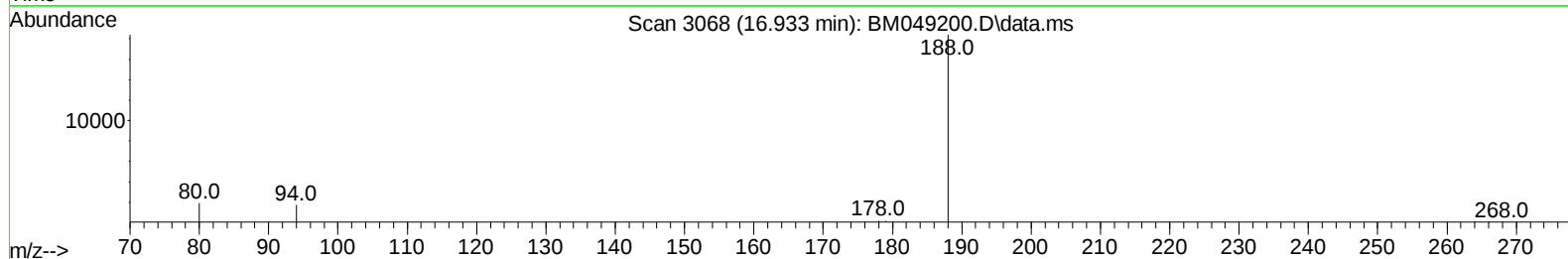
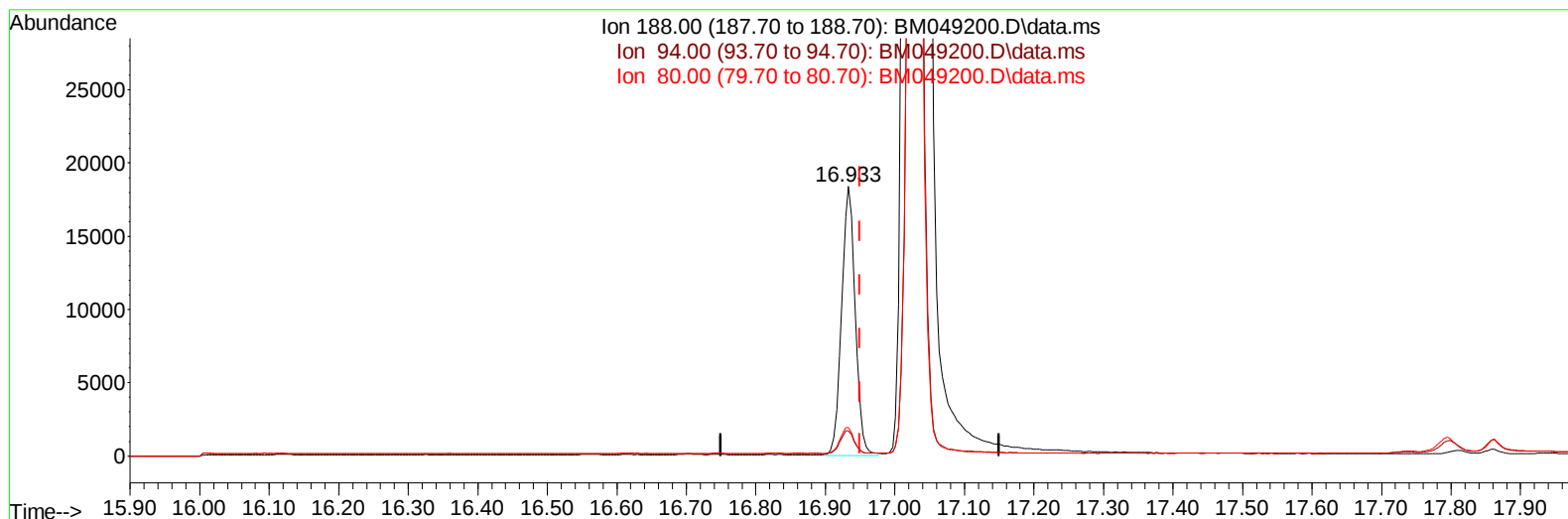
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(13) Phenanthrene-d10 (I)

16.933min (-0.017) 0.40 ng/ul m

response 25036

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.41
80.00	10.70	10.42
0.00	0.00	0.00

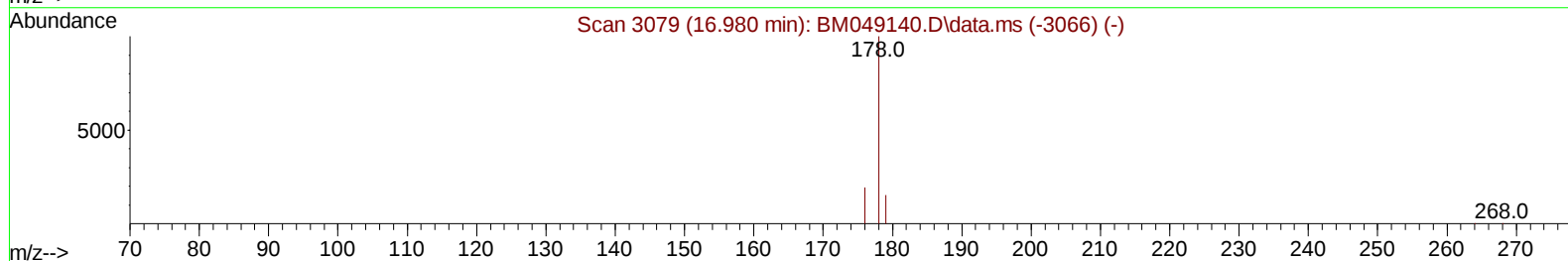
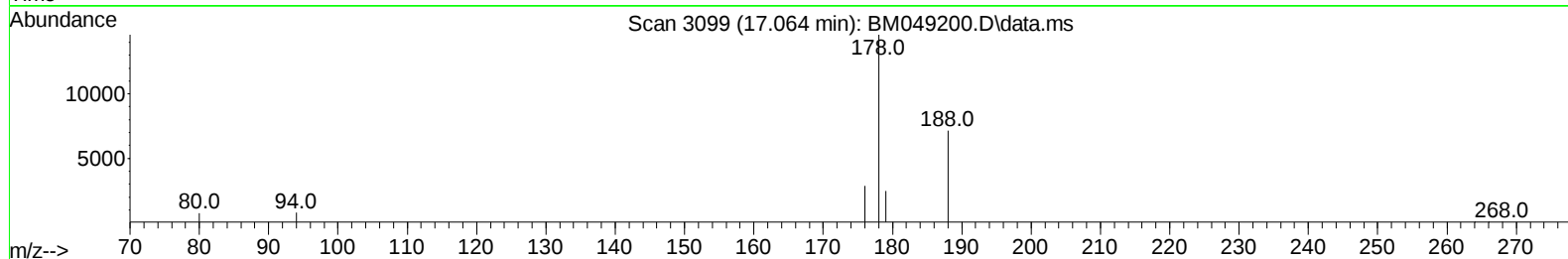
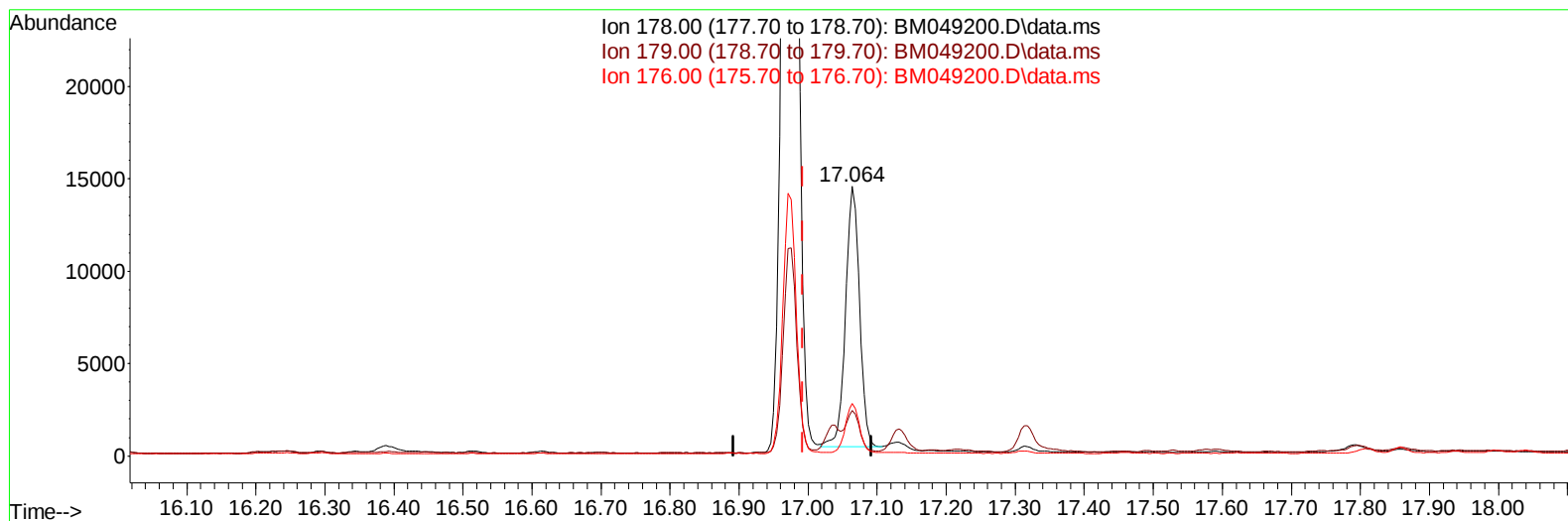
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(15) Phenanthrene

17.064min (+ 0.072) 0.30 ng/u1

response 19764

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.82
176.00	20.20	19.53
0.00	0.00	0.00

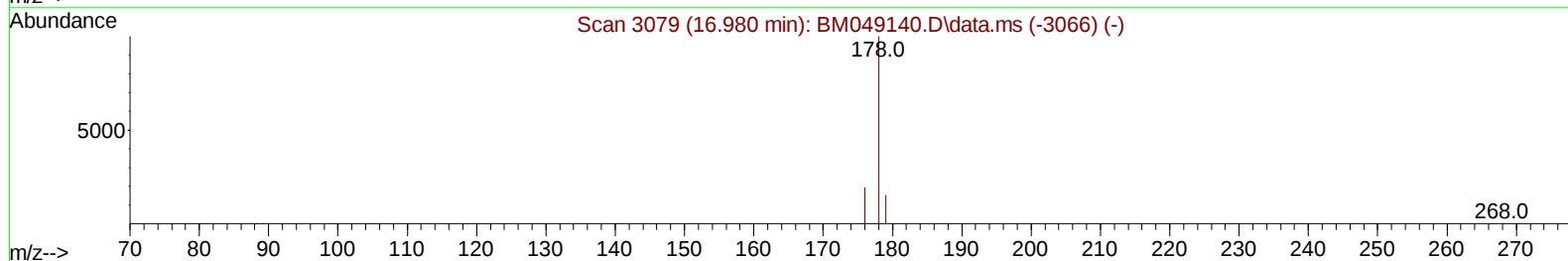
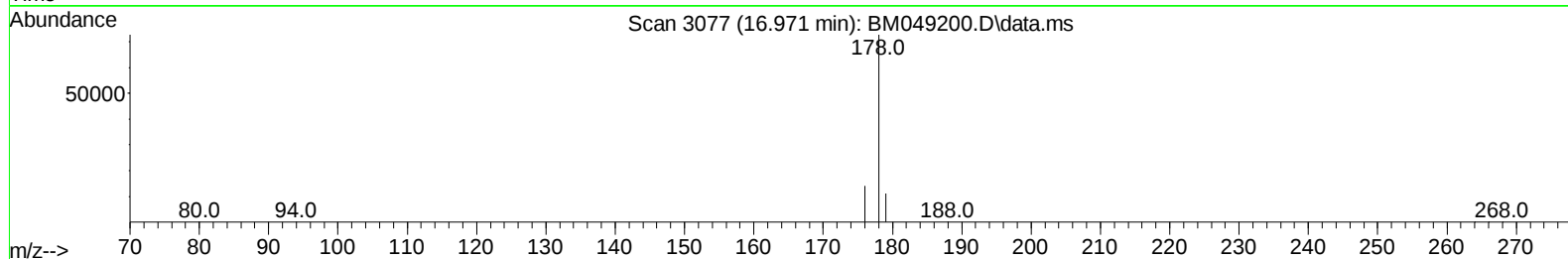
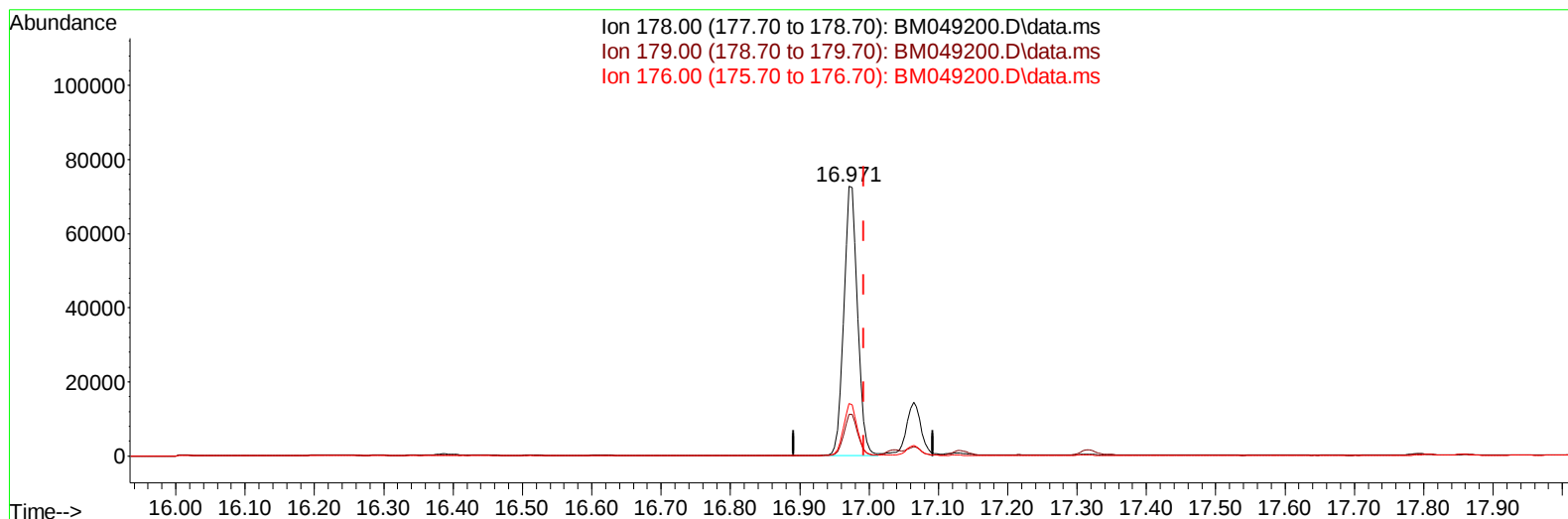
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

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

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(15) Phenanthrene

16.971min (-0.021) 1.52 ng/ul m

response 99704

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.42
176.00	20.20	19.56
0.00	0.00	0.00

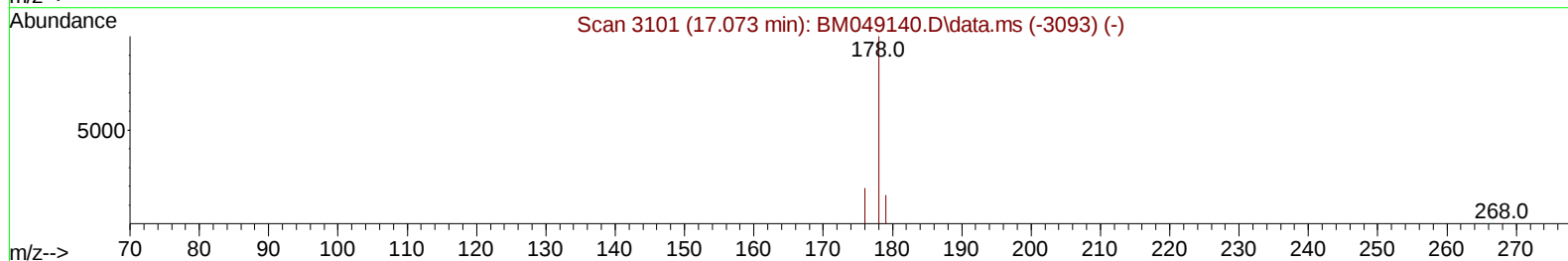
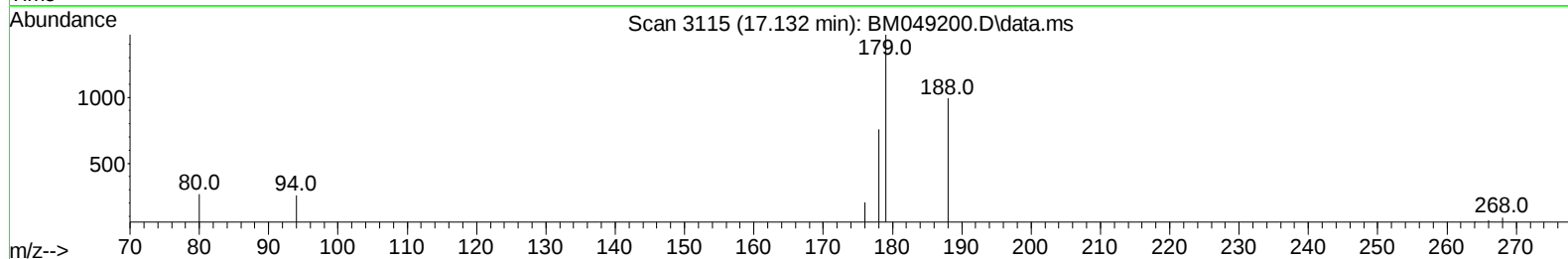
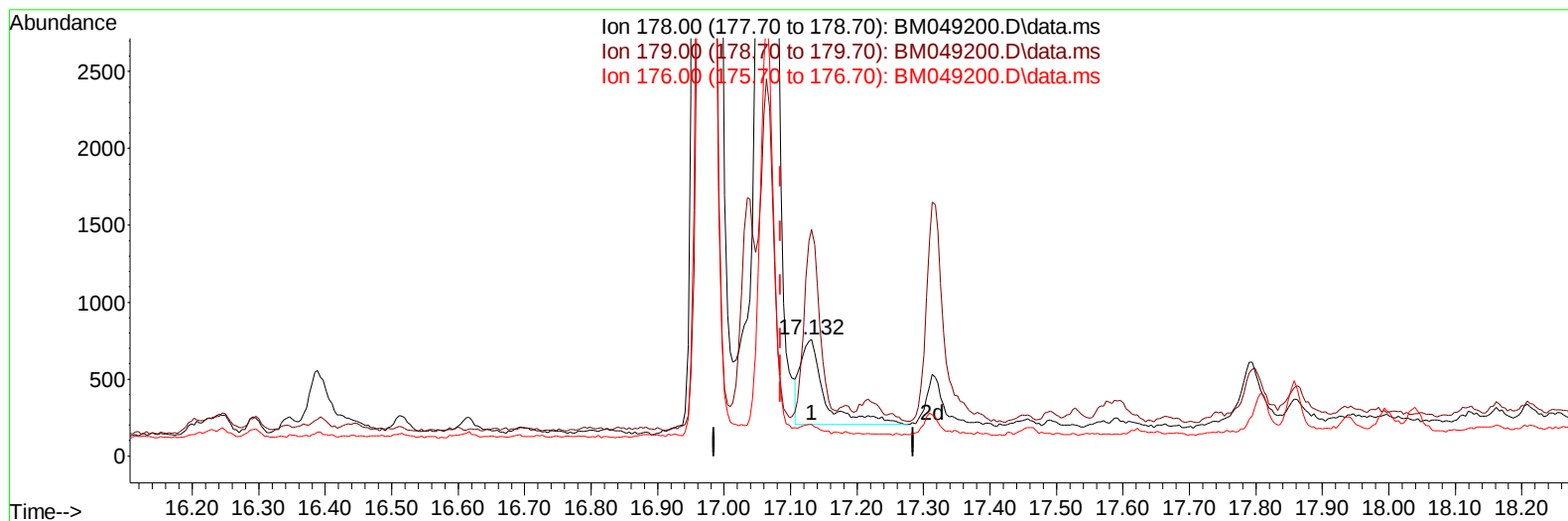
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(16) Anthracene

17.132min (+ 0.047) 0.02 ng/u1

response 1415

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	194.20#
176.00	19.10	27.01#
0.00	0.00	0.00

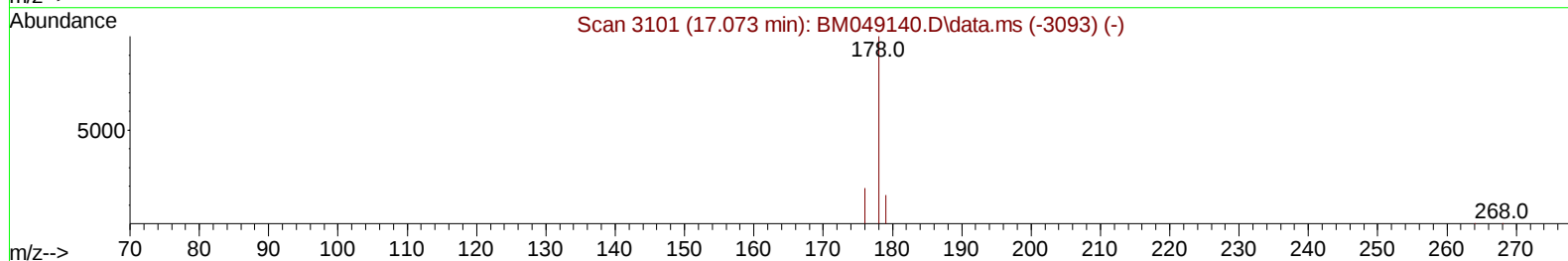
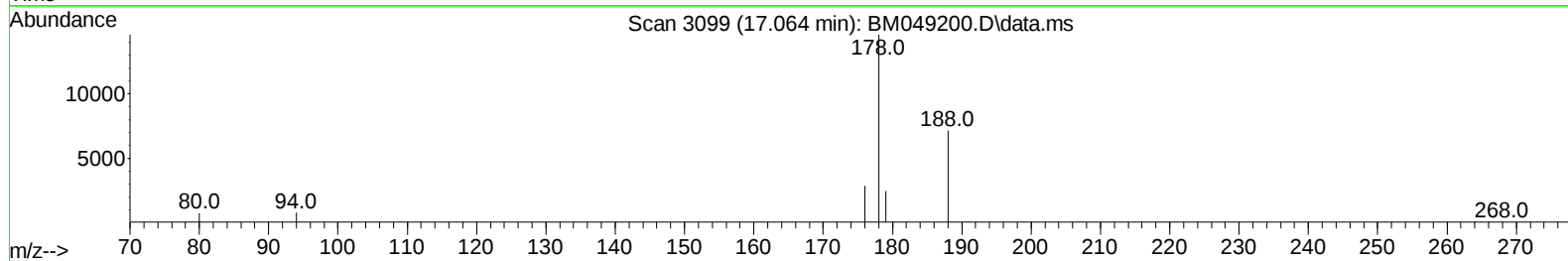
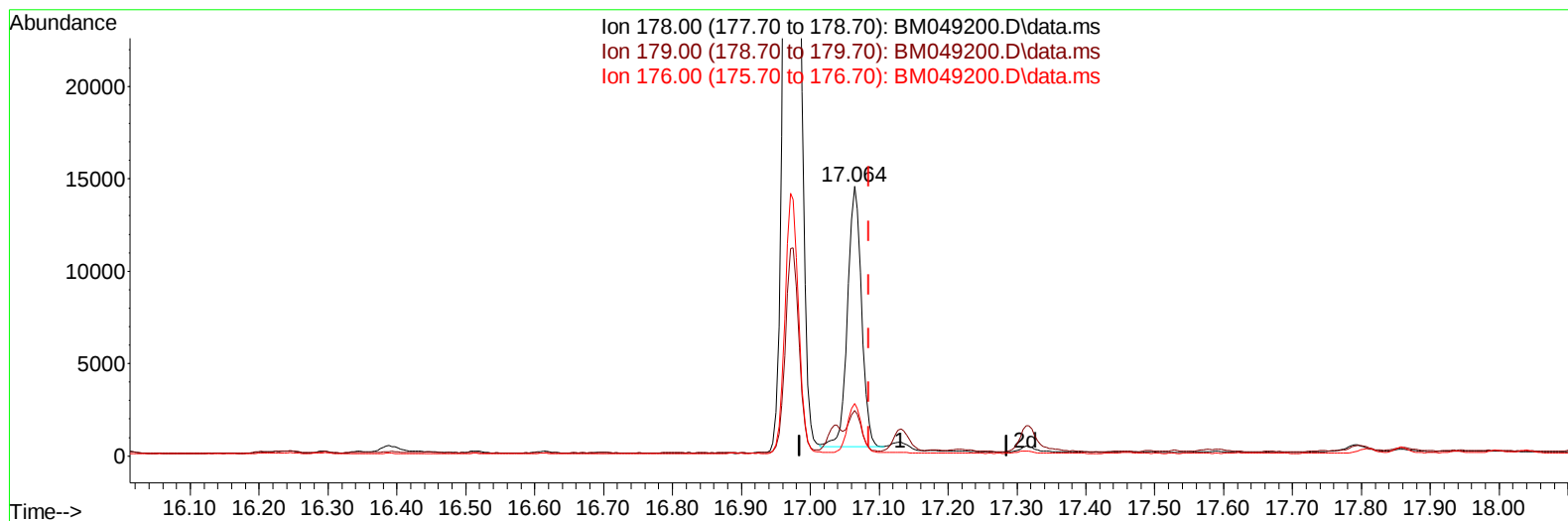
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Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(16) Anthracene

17.064min (-0.021) 0.33 ng/u1 m

response 19876

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	16.82
176.00	19.10	19.53
0.00	0.00	0.00

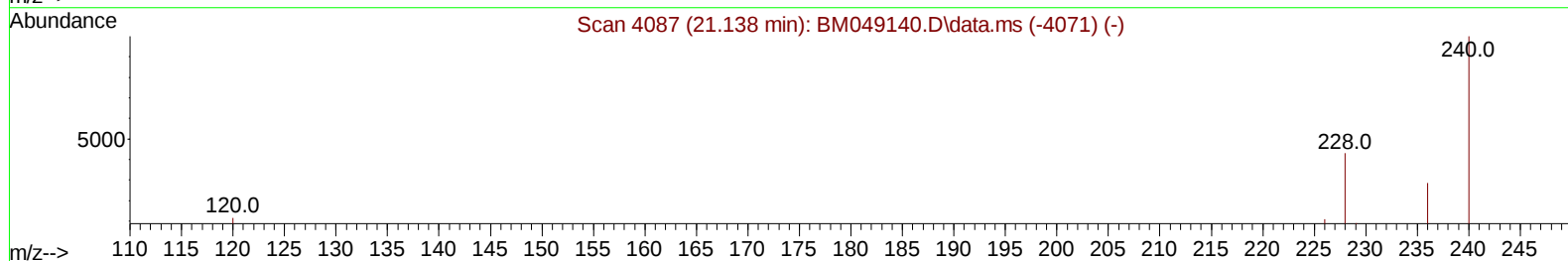
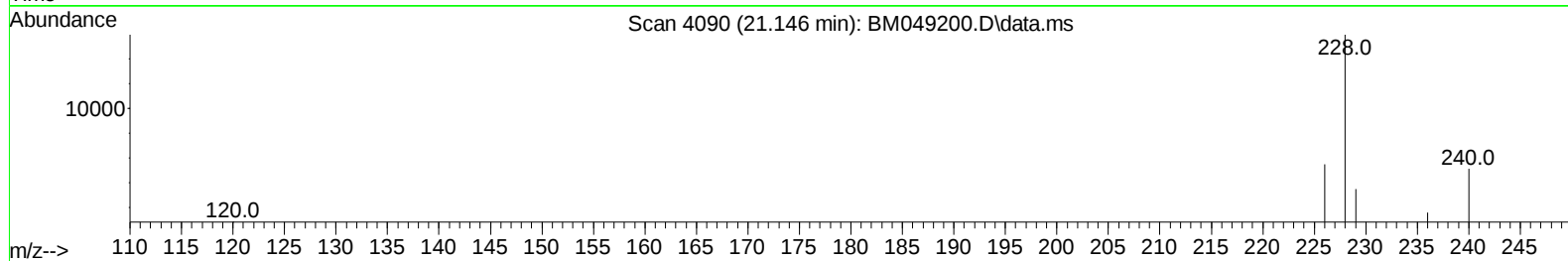
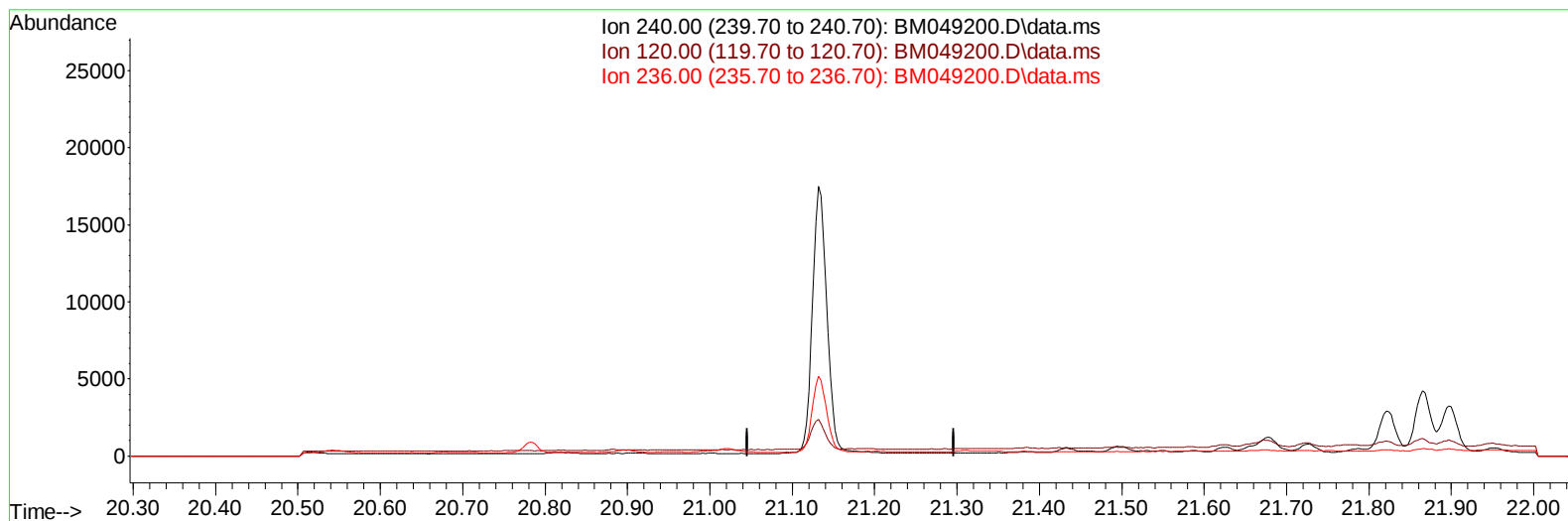
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
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Quant Time: Dec 25 01:20:28 2024
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QLast Update : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration



TIC: BM049200.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

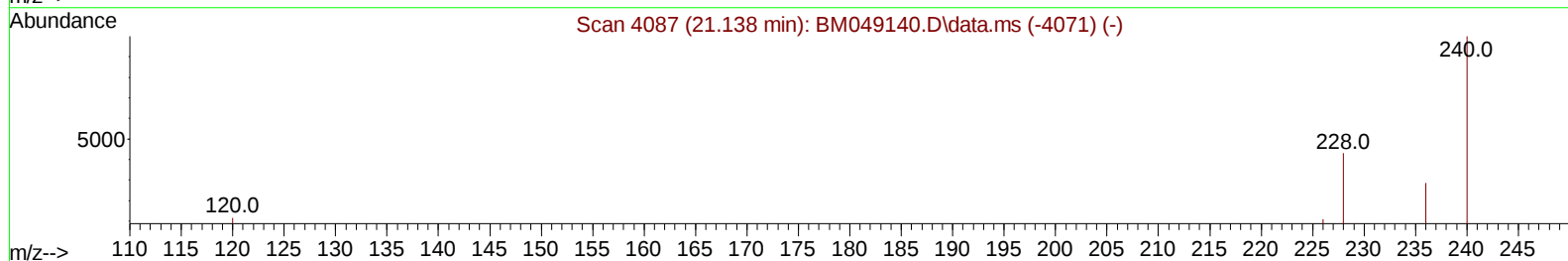
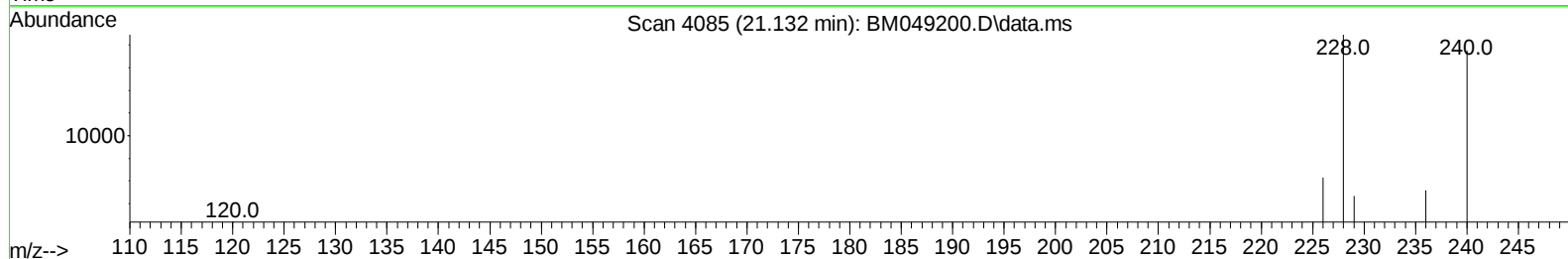
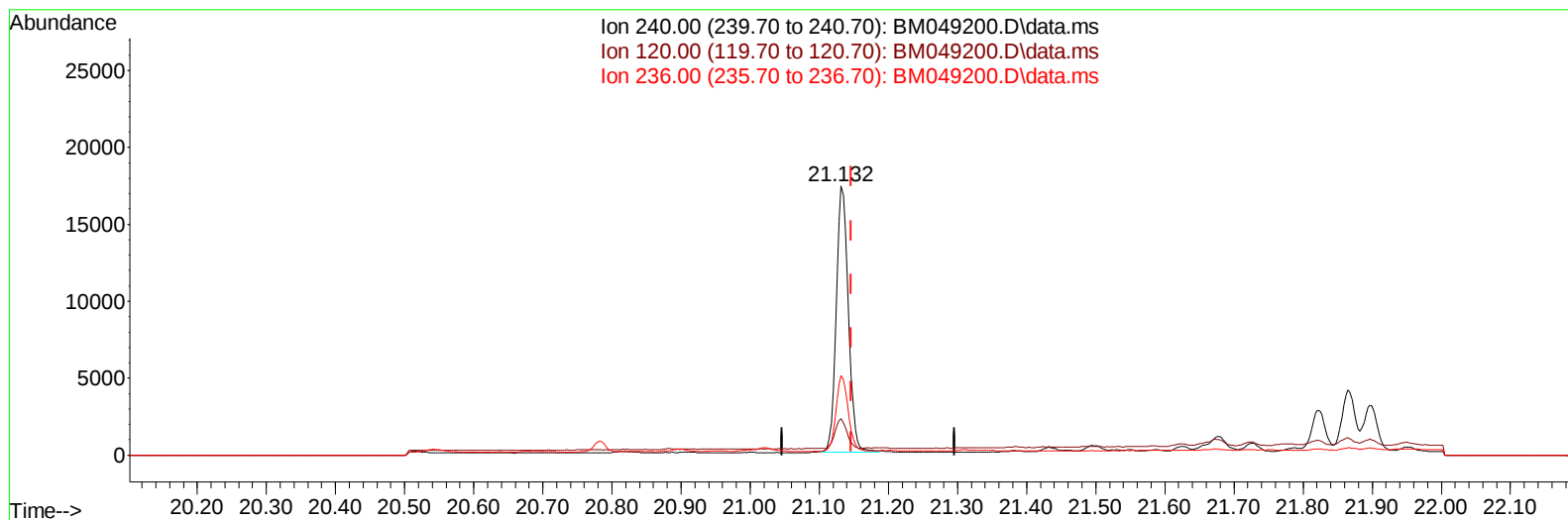
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(17) Chrysene-d12

21.132min (-0.014) 0.40 ng/ul m

response 21014

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.51
236.00	29.80	29.53
0.00	0.00	0.00

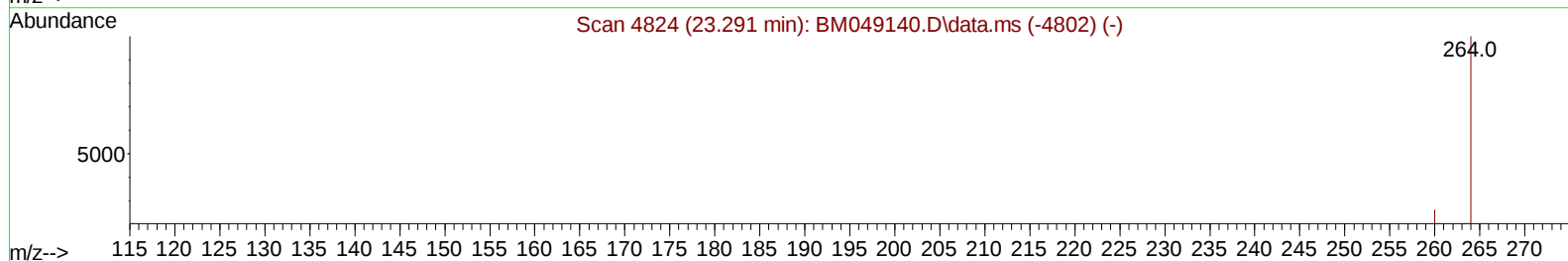
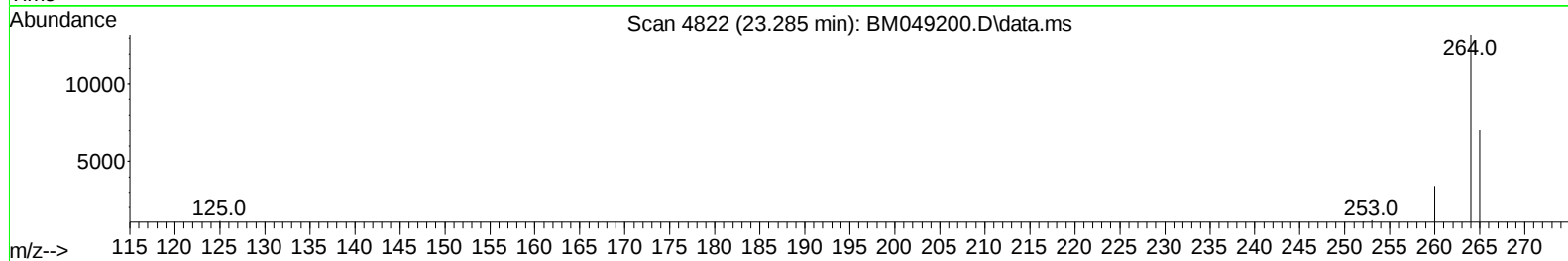
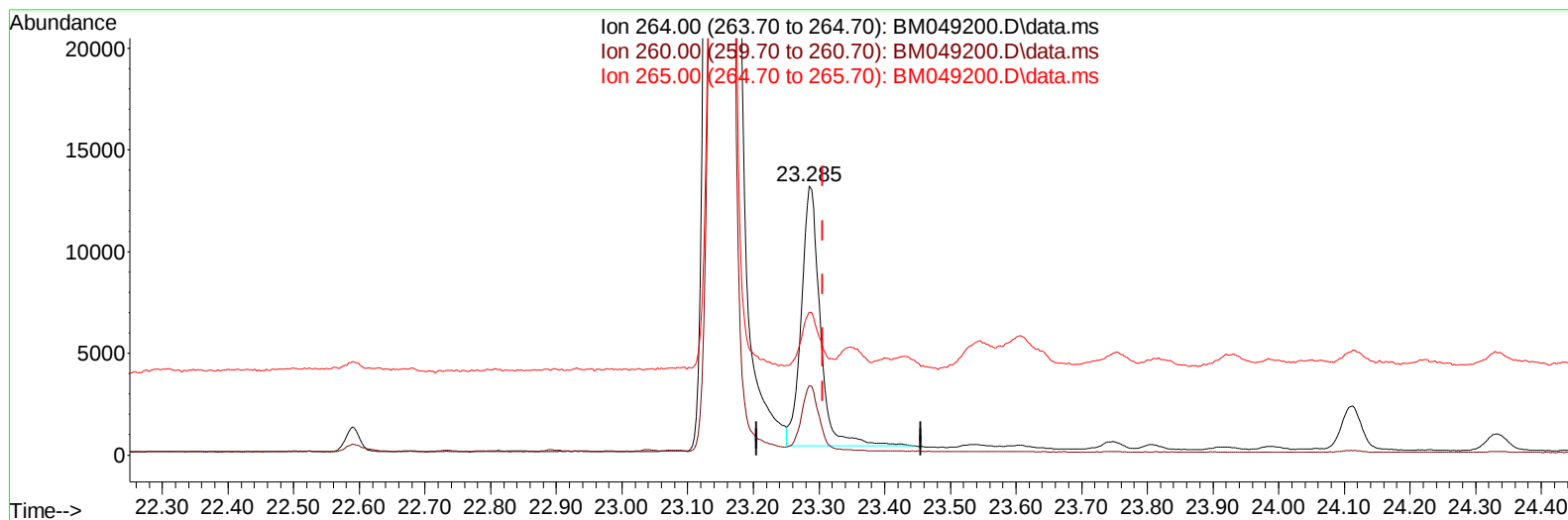
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 2024
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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: BM049200.D\data.ms

(23) Perylene-d12 (I)

23.285min (-0.020) 0.40 ng/u1

response 25138

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.86
265.00	78.30	53.18#
0.00	0.00	0.00

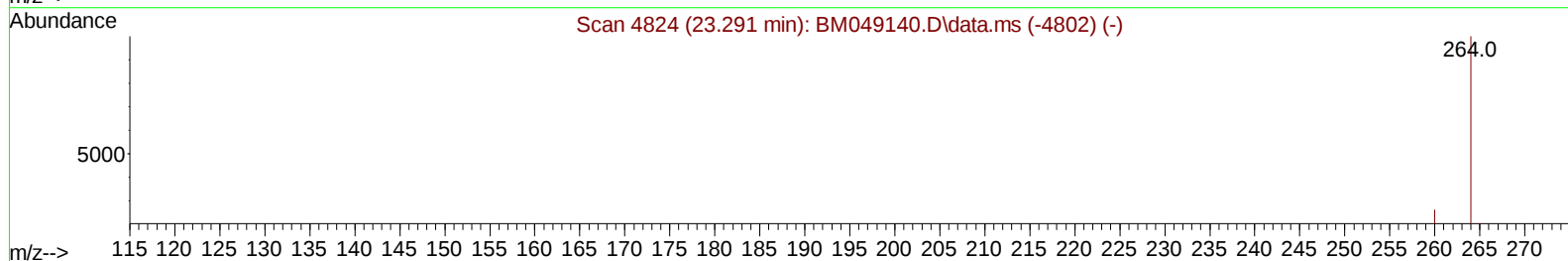
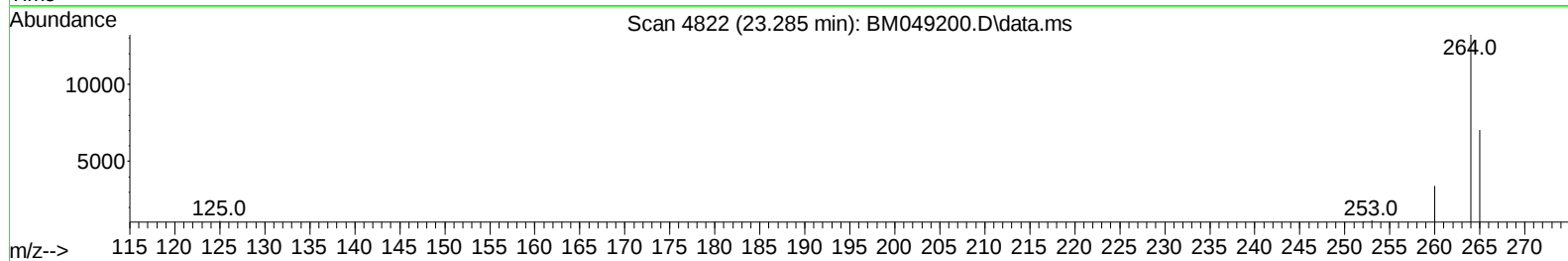
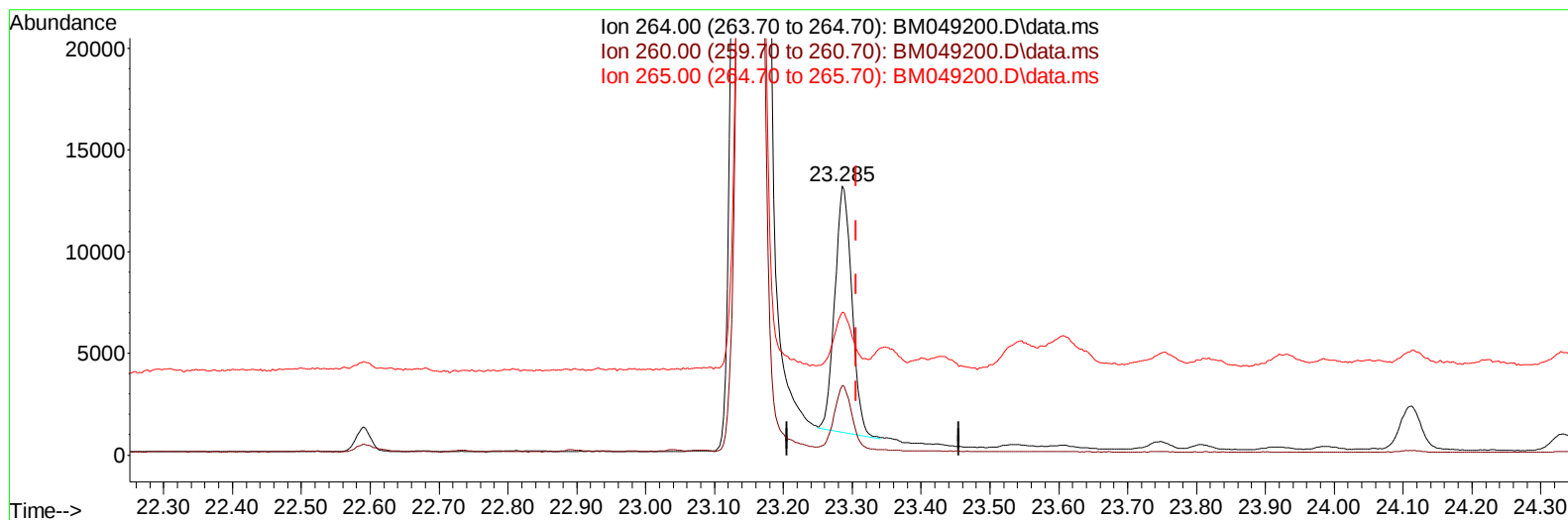
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(23) Perylene-d12 (I)

23.285min (-0.020) 0.40 ng/ul m

response 20885

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	25.86
265.00	78.30	53.18#
0.00	0.00	0.00

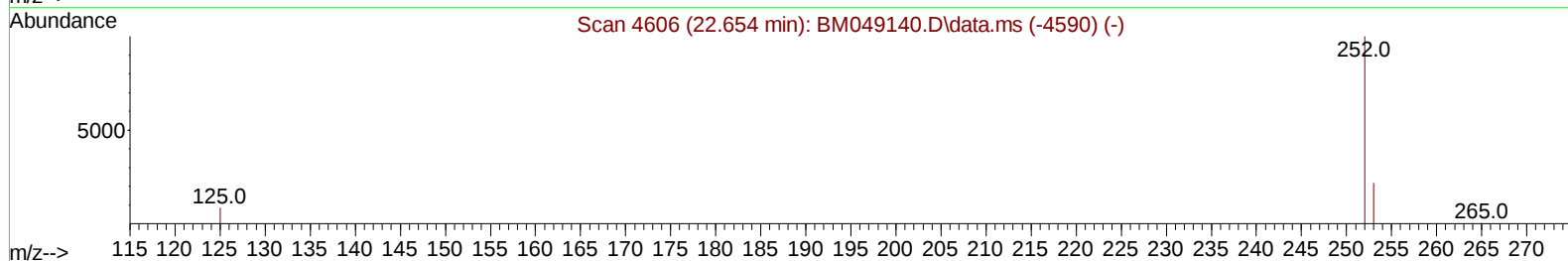
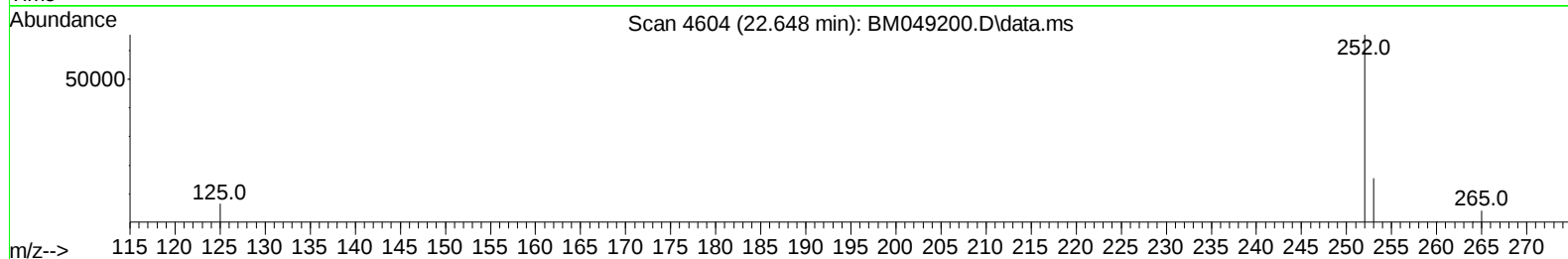
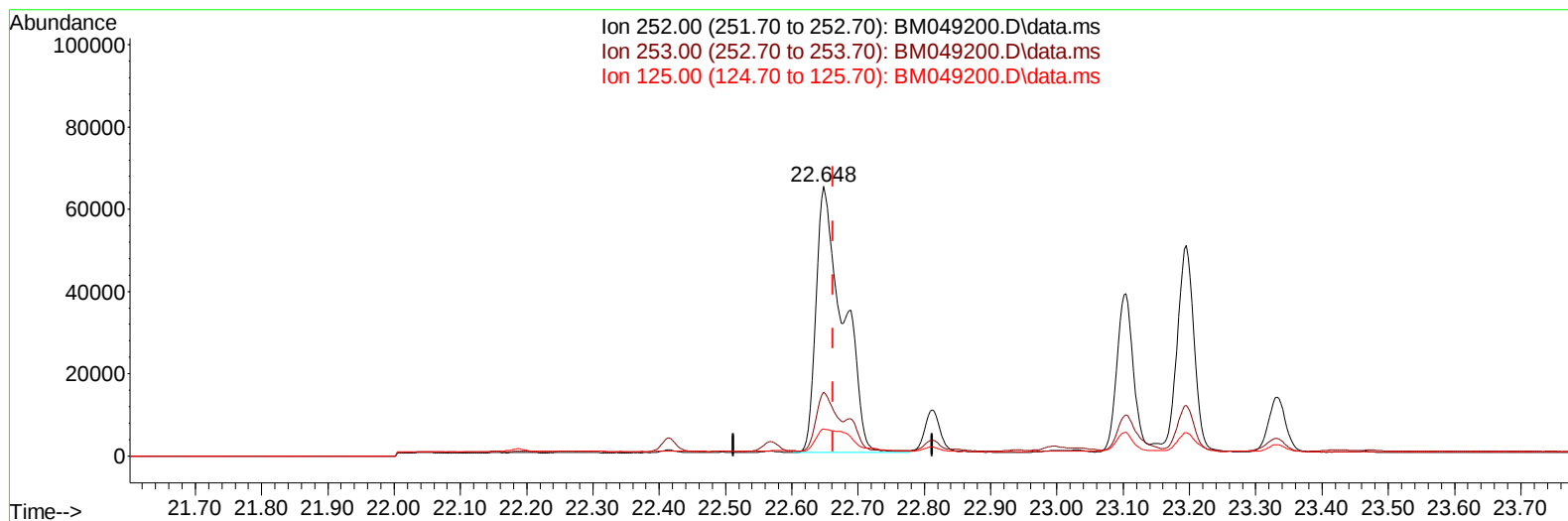
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
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Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM049200.D\data.ms

(24) Benzo(b)fluoranthene

22.648min (-0.014) 2.75 ng/u1

response 183211

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	23.69
125.00	15.40	10.06
0.00	0.00	0.00

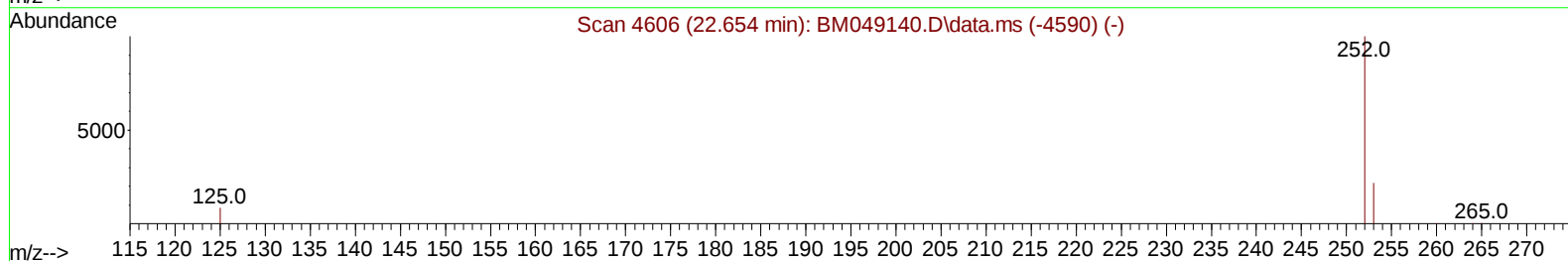
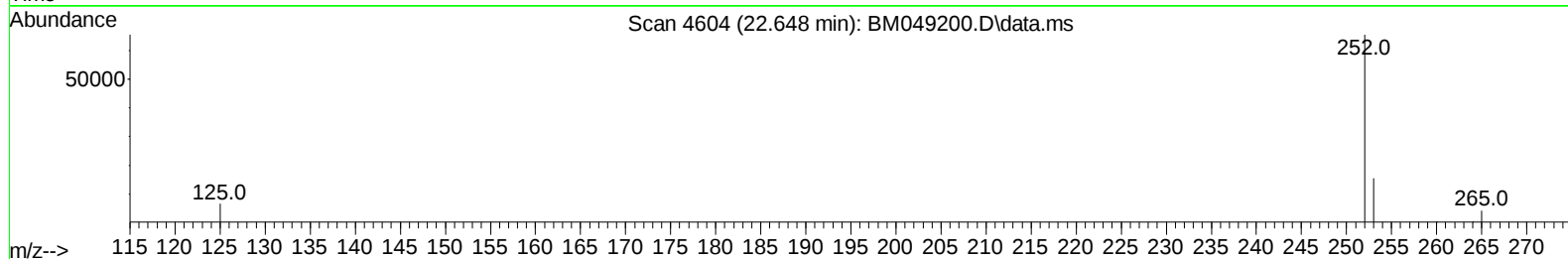
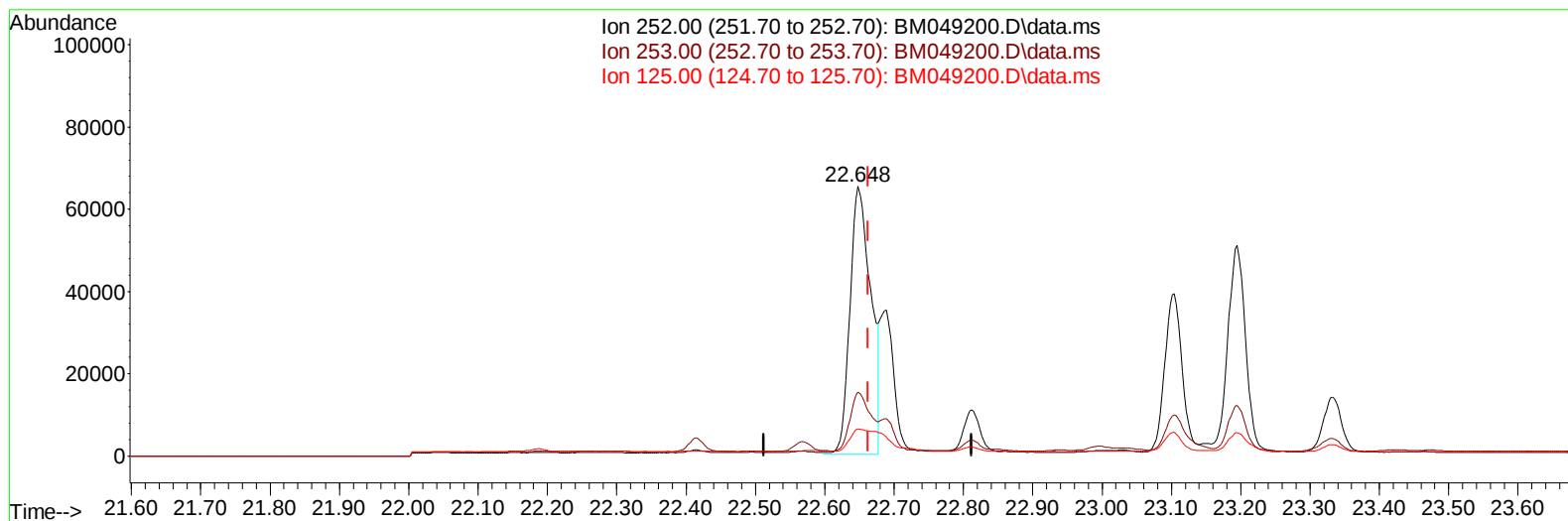
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(24) Benzo(b)fluoranthene

22.648min (-0.014) 2.05 ng/u1 m

response 136921

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	23.69
125.00	15.40	10.06
0.00	0.00	0.00

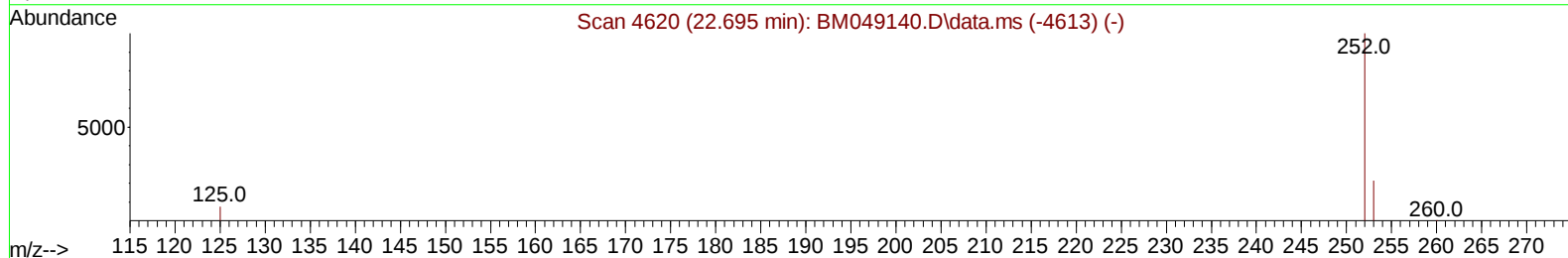
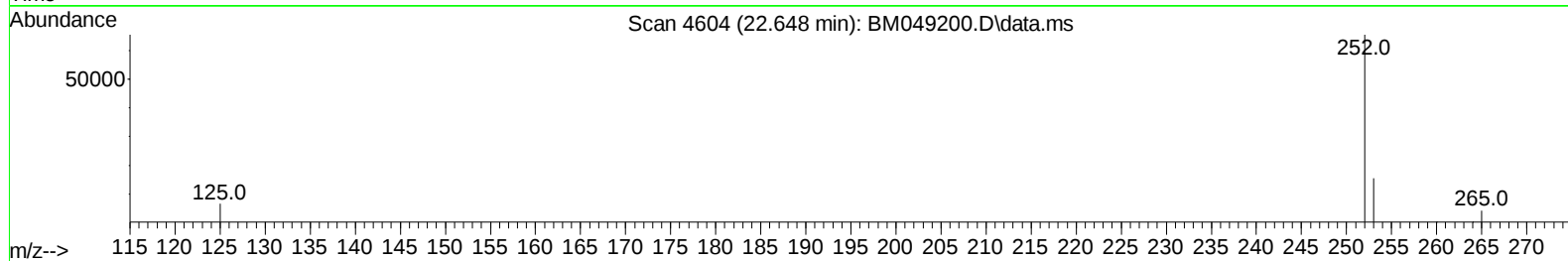
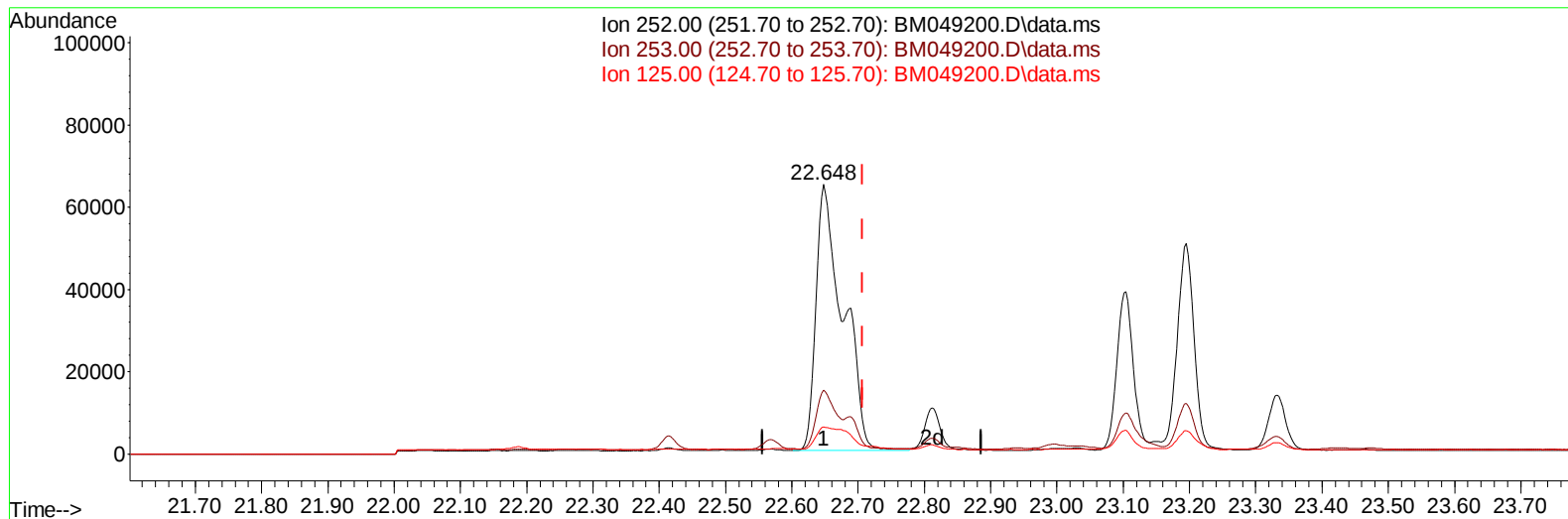
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (-0.058) 2.50 ng/u1

response 183211

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	23.69
125.00	15.70	10.06#
0.00	0.00	0.00

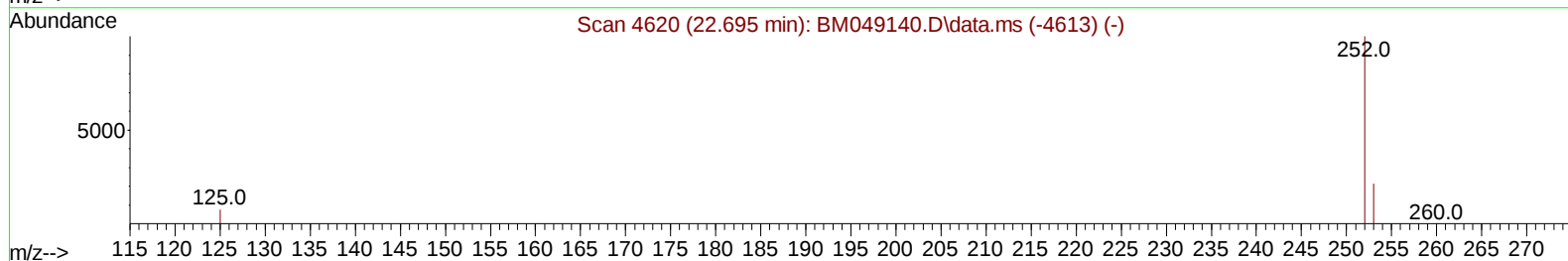
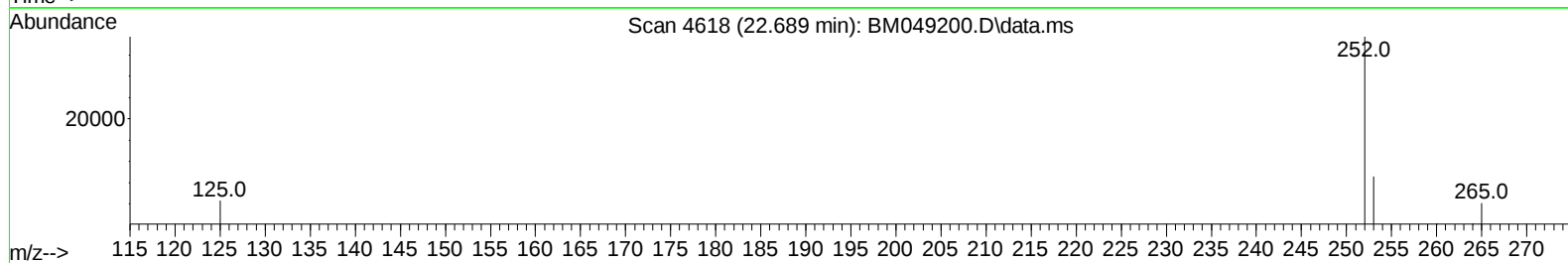
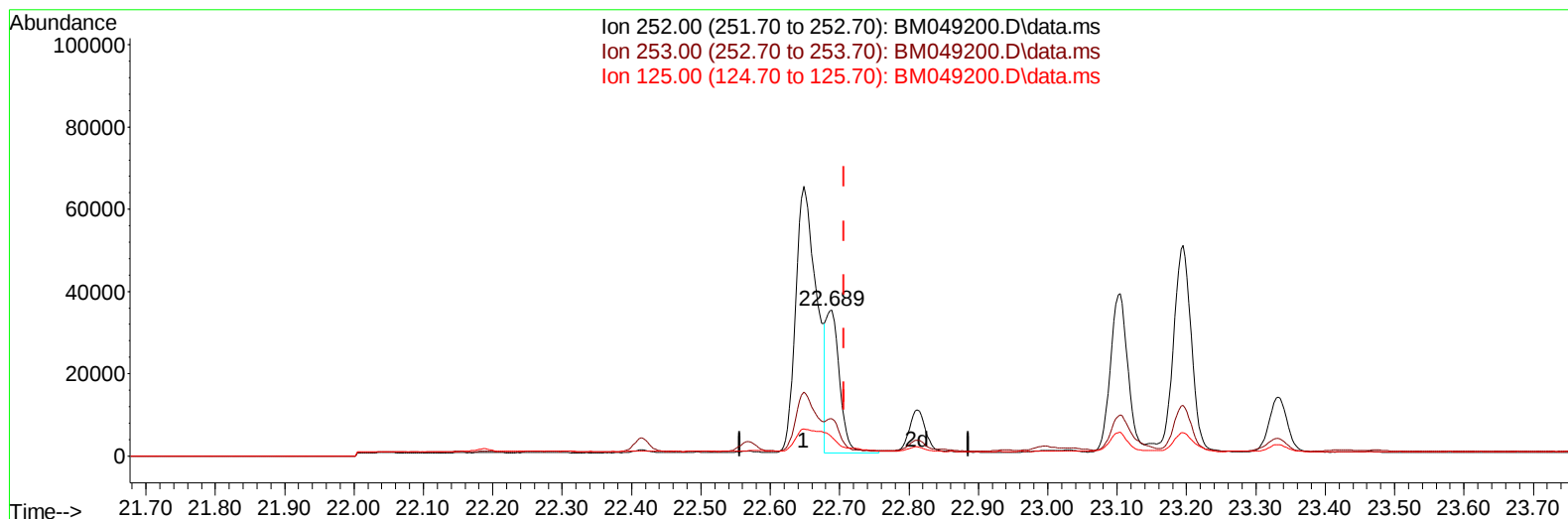
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2923

Manual IntegrationsAPPROVED

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

Quant Time: Dec 25 01:20:28 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: BM049200.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (-0.017) 0.66 ng/u1 m

response 48184

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	25.65
125.00	15.70	12.86
0.00	0.00	0.00

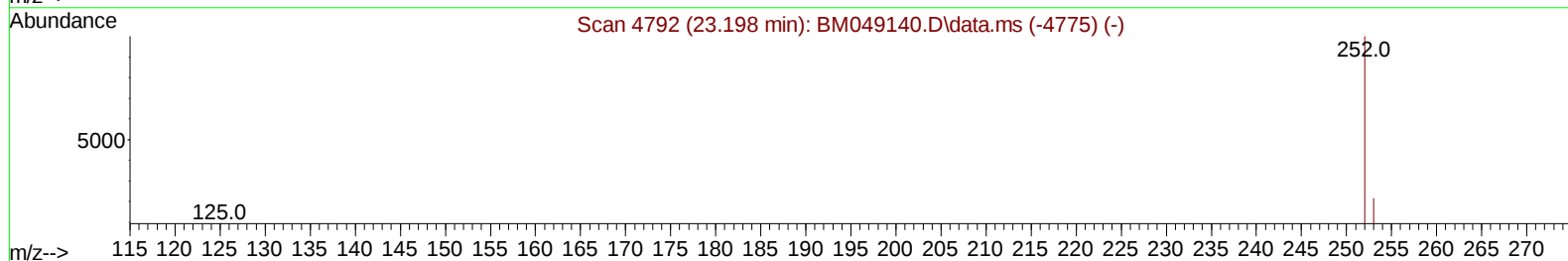
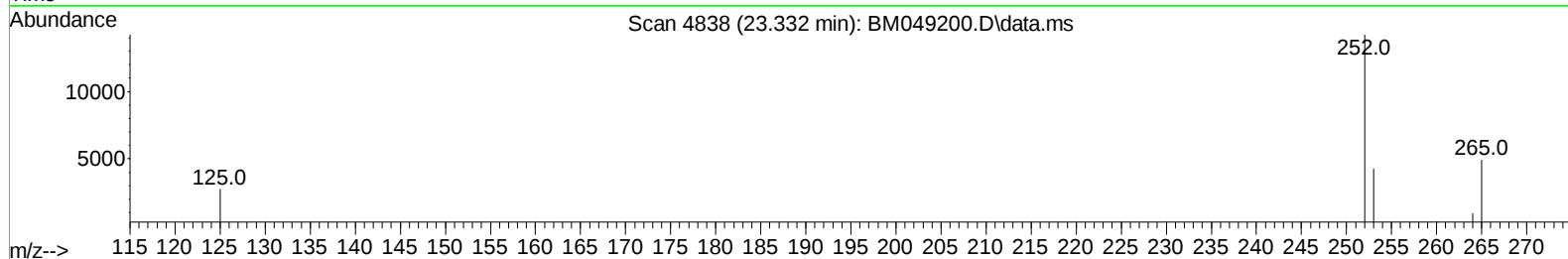
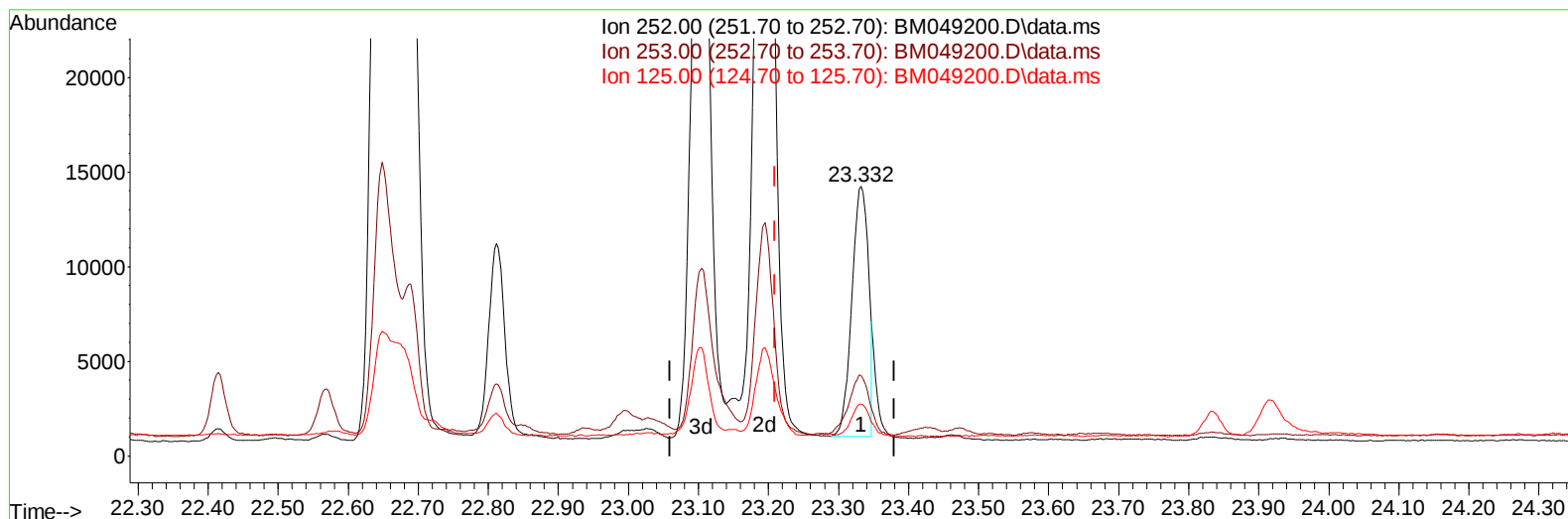
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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Acq On : 25 Dec 2024 00:50
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Misc :
ALS Vial : 65 Sample Multiplier: 1

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TIC: BM049200.D\data.ms

(26) Benzo(a)pyrene (C)

23.332min (+ 0.123) 0.34 ng/u1

response 21774

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	29.77
125.00	18.50	19.27
0.00	0.00	0.00

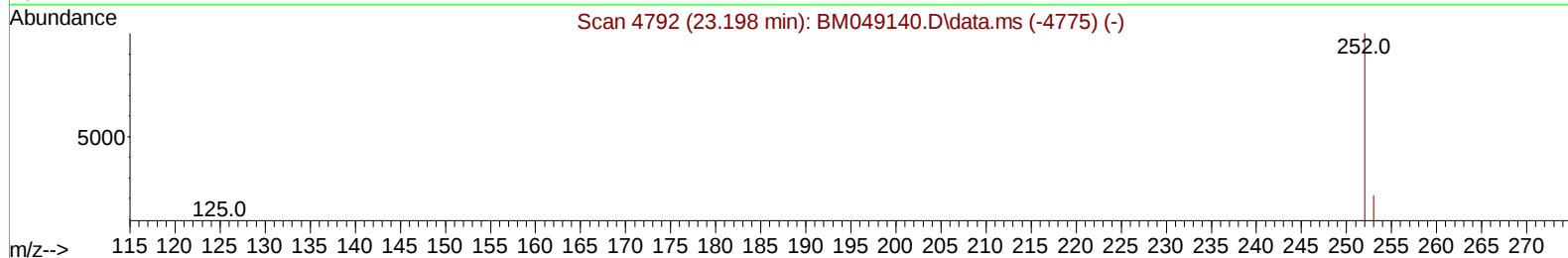
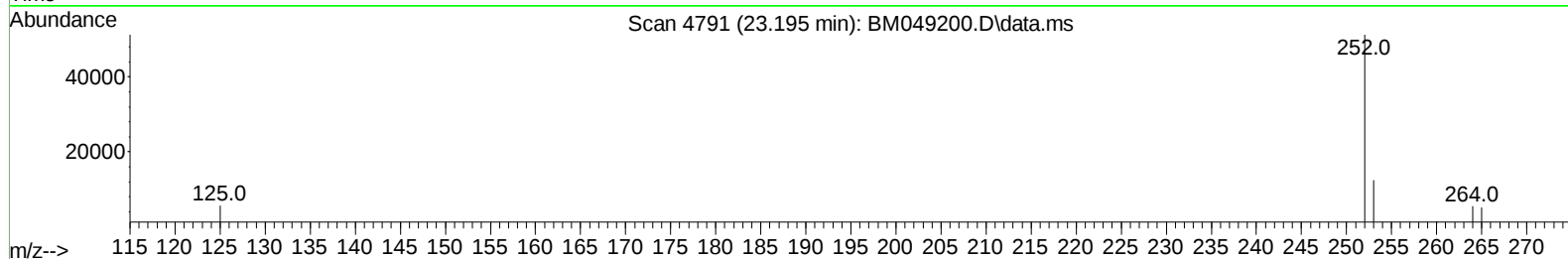
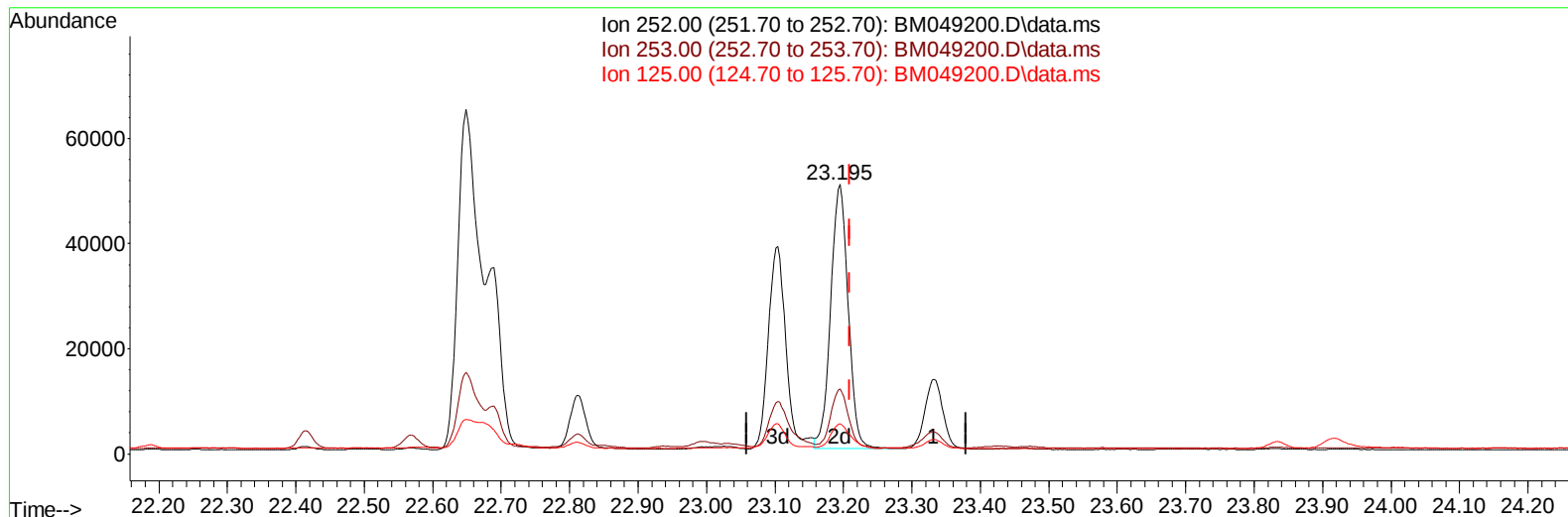
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049200.D
Acq On : 25 Dec 2024 00:50
Operator : RC/JU
Sample : P5333-20
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM049200.D\data.ms

(26) Benzo(a)pyrene (C)

23.195min (-0.014) 1.39 ng/u1 m

response 89190

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	24.10
125.00	18.50	11.17#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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 Operator : RC/JU
 Sample : P5333-20
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	6500	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	19963	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.186	164	11061	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.933	188	25036m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.132	240	21014m	0.400	ng/ul	-0.01
23) Perylene-d12	23.285	264	20885m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	24006	3.202	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.909	152	5433	0.203	ng/ul	-0.02
18) Fluoranthene-d10	18.968	212	11657	0.196	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.358	128	3128	0.063	ng/ul#	89
7) 2-Methylnaphthalene	11.980	142	1696	0.054	ng/ul	100
8) 1-Methylnaphthalene	12.206	142	1549	0.048	ng/ul	95
10) Acenaphthylene	13.899	152	3226	0.070	ng/ul#	89
11) Acenaphthene	14.246	153	2883	0.086	ng/ul	97
12) Fluorene	15.241	166	3873	0.103	ng/ul#	98
15) Phenanthrene	16.971	178	99704m	1.525	ng/ul	
16) Anthracene	17.064	178	19876m	0.331	ng/ul	
19) Fluoranthene	18.996	202	228793	3.011	ng/ul	99
20) Pyrene	19.363	202	185272	2.287	ng/ul	98
21) Benzo(a)anthracene	21.117	228	100644	1.377	ng/ul	100
22) Chrysene	21.170	228	101776	1.297	ng/ul	98
24) Benzo(b)fluoranthene	22.648	252	136921m	2.052	ng/ul	
25) Benzo(k)fluoranthene	22.689	252	48184m	0.658	ng/ul	
26) Benzo(a)pyrene	23.195	252	89190m	1.394	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.417	276	68770	0.759	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.424	278	16445	0.234	ng/ul	94
29) Benzo(g,h,i)perylene	26.068	276	69901	0.960	ng/ul	97

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

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