

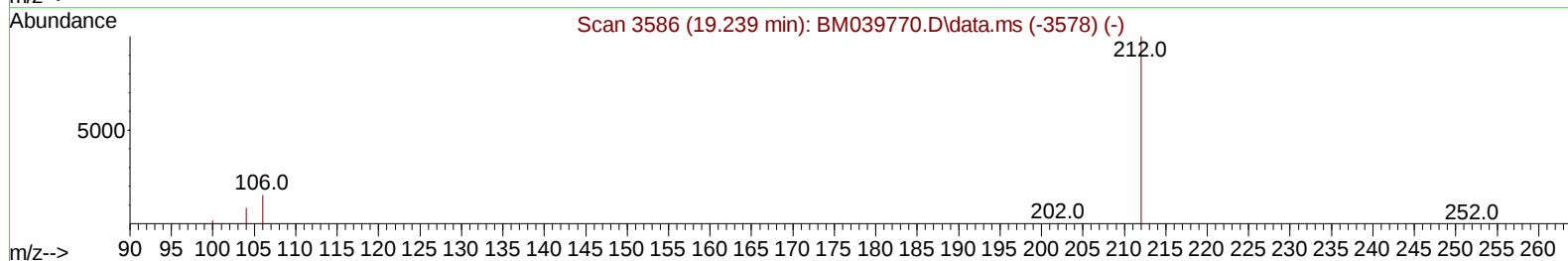
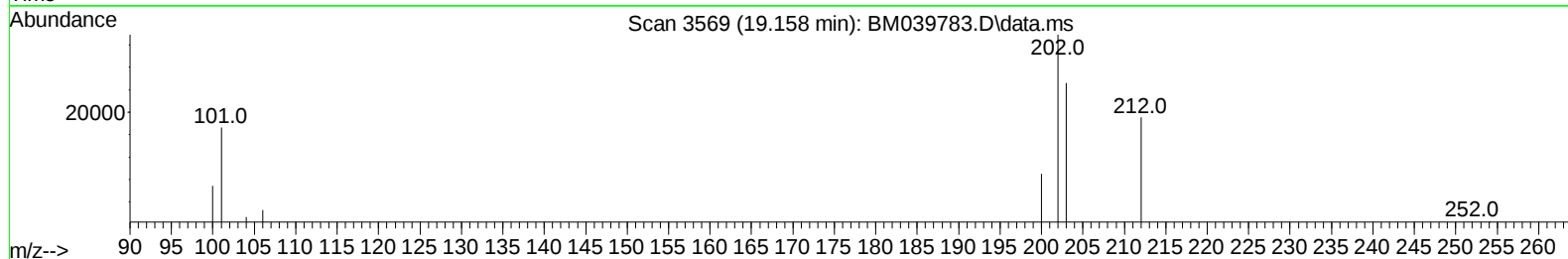
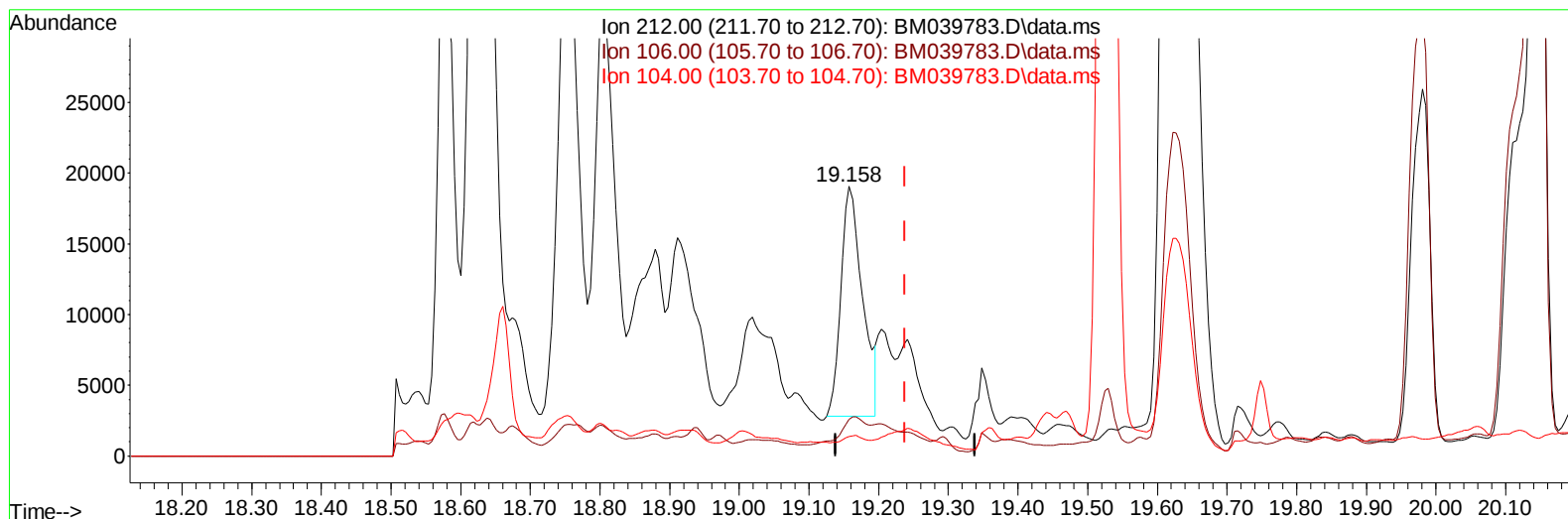
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



TIC: BM039783.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.158min (-0.081) 0.92 ng/u1

response 34704

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.00	21.08#
104.00	8.40	2.74#
0.00	0.00	0.00

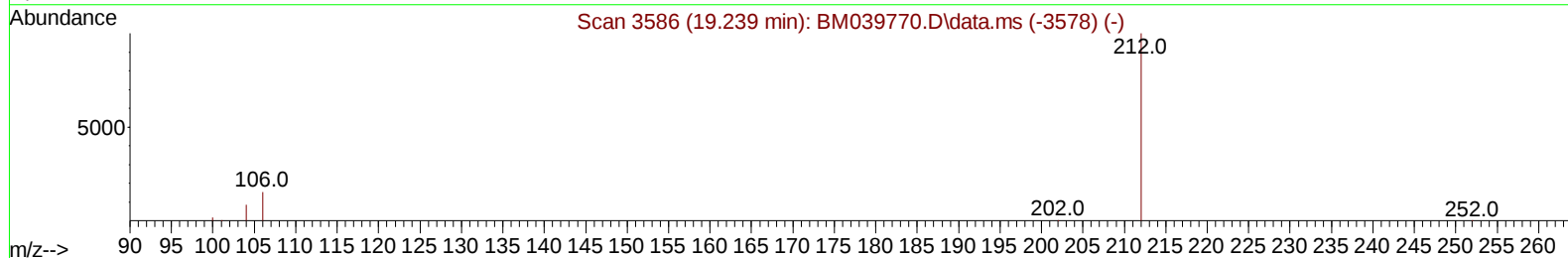
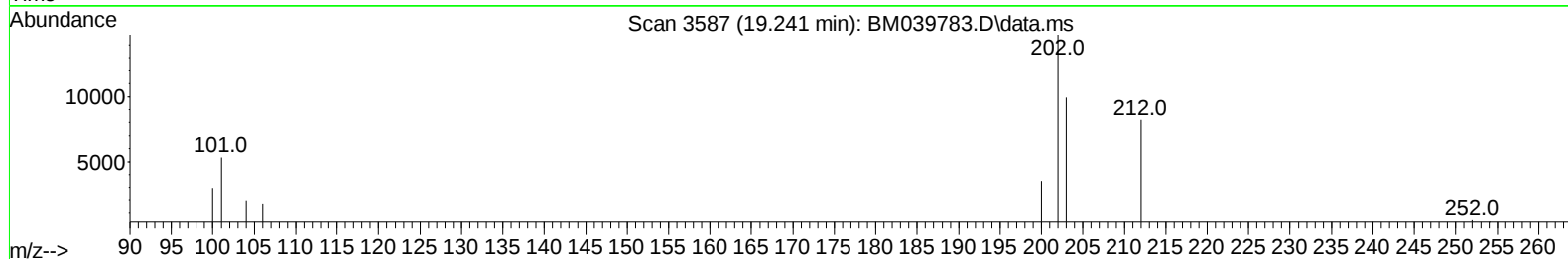
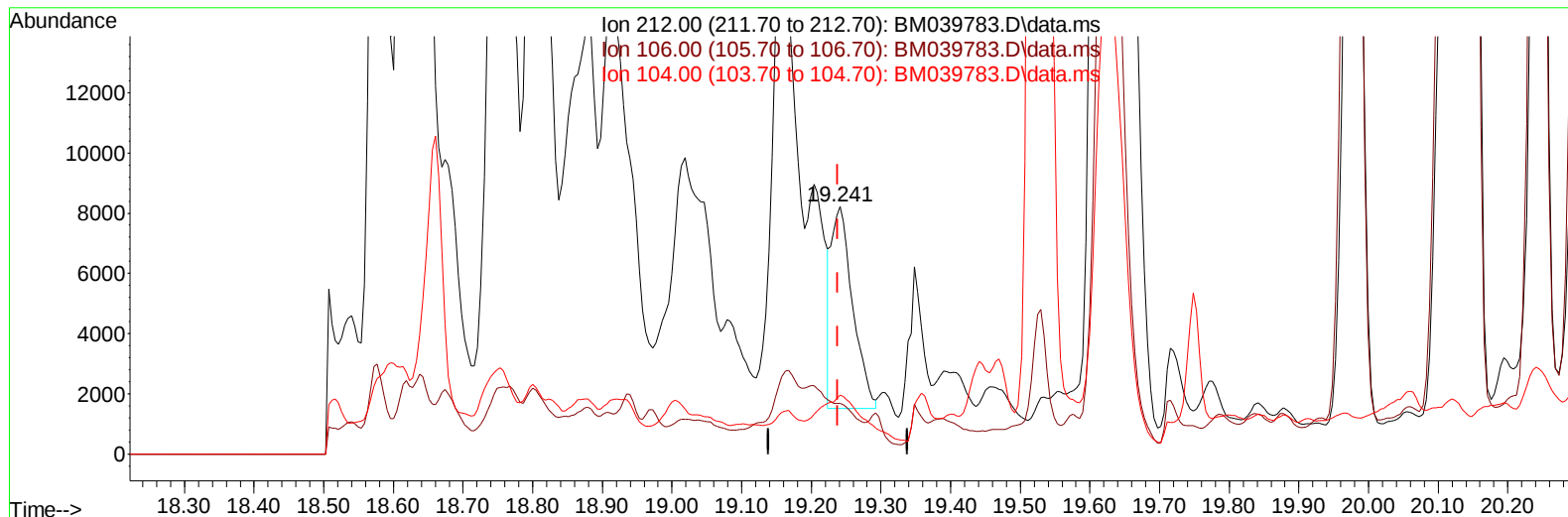
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
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Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: BM039783.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.241min (+ 0.003) 0.38 ng/u1 m

response 14410

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.00	50.77#
104.00	8.40	6.60#
0.00	0.00	0.00

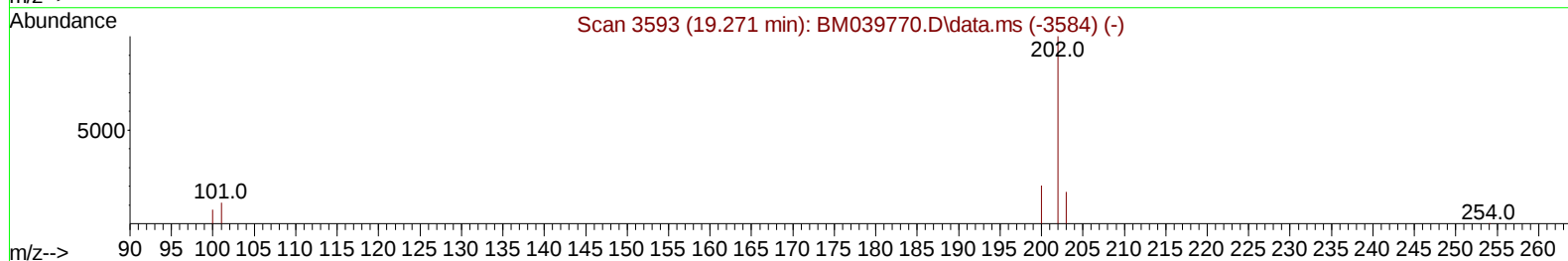
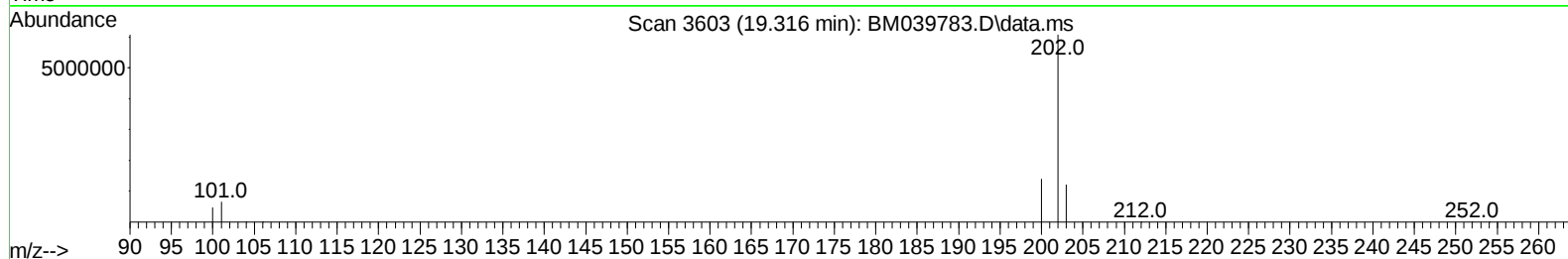
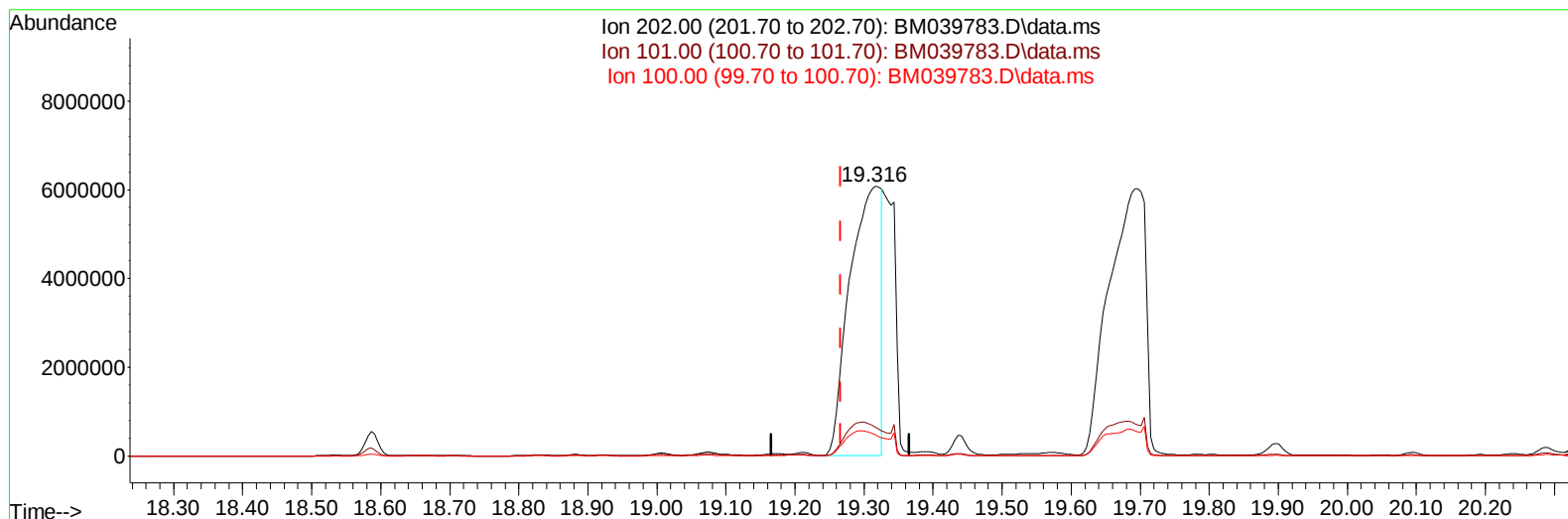
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

Manual IntegrationsAPPROVED

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TIC: BM039783.D\data.ms

(19) Fluoranthene (C)**19.316min (+ 0.049) 381.99 ng/u1****response 19077553**

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.30	10.75
100.00	9.10	7.81
0.00	0.00	0.00

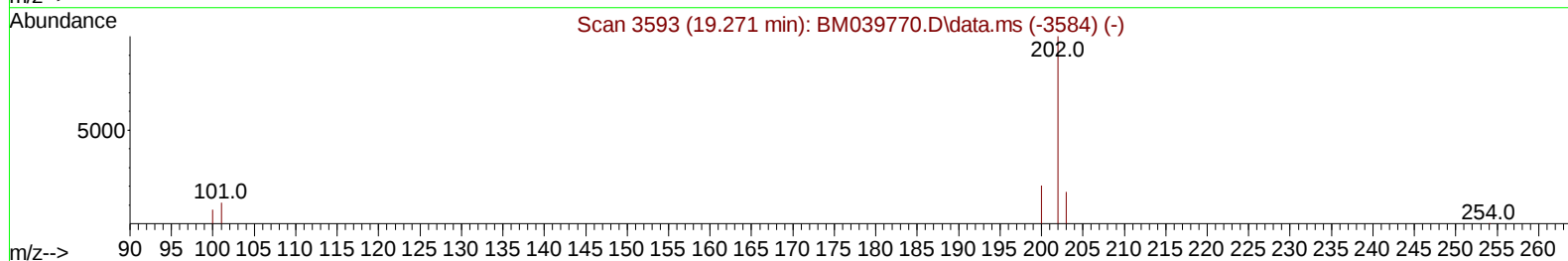
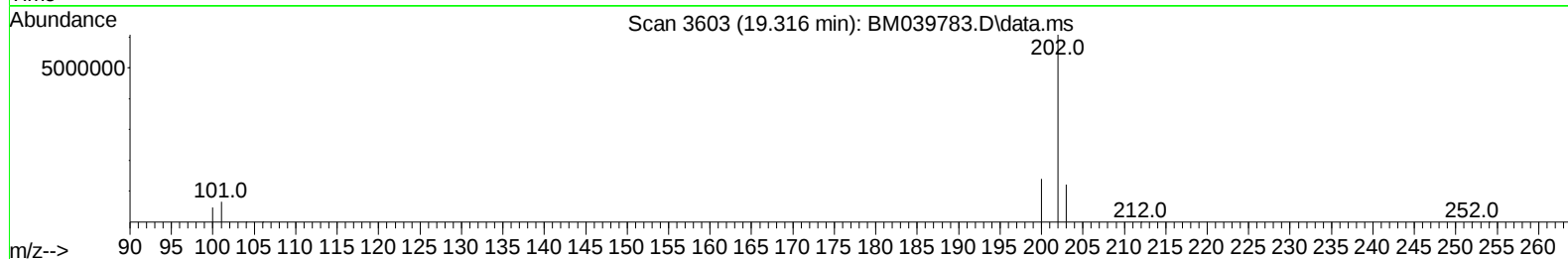
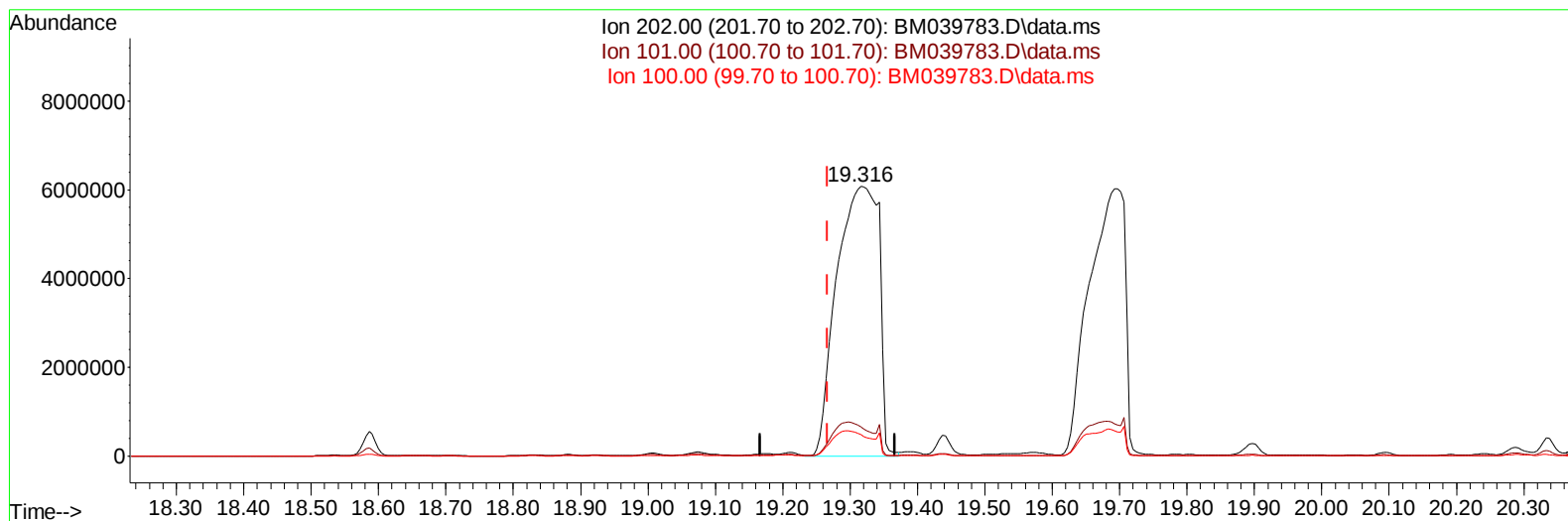
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
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TIC: BM039783.D\data.ms

(19) Fluoranthene (C)

19.316min (+ 0.049) 528.73 ng/u1 m

response 26406149

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.30	10.75
100.00	9.10	7.81
0.00	0.00	0.00

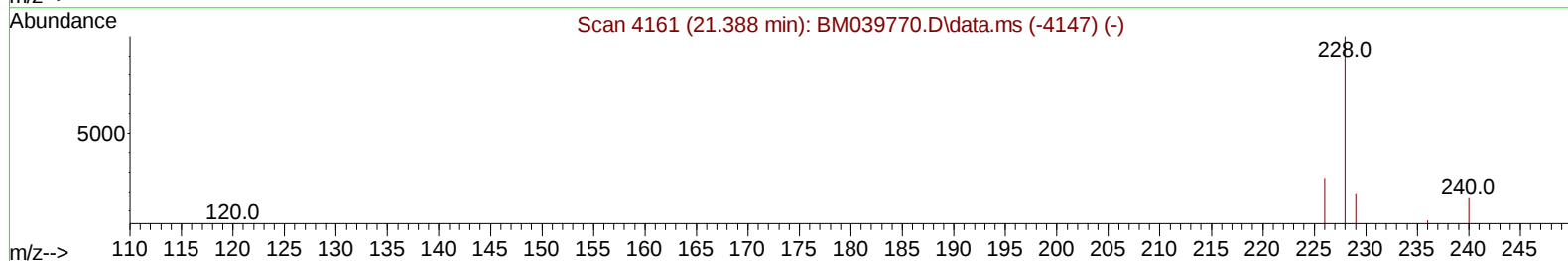
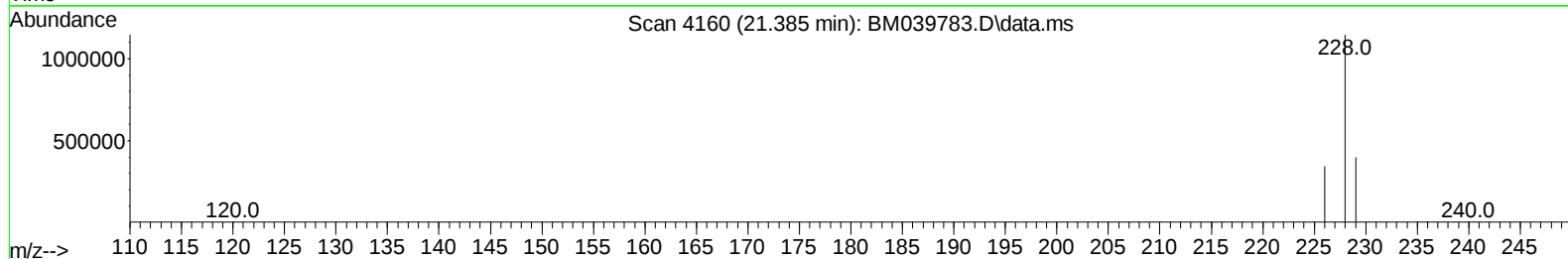
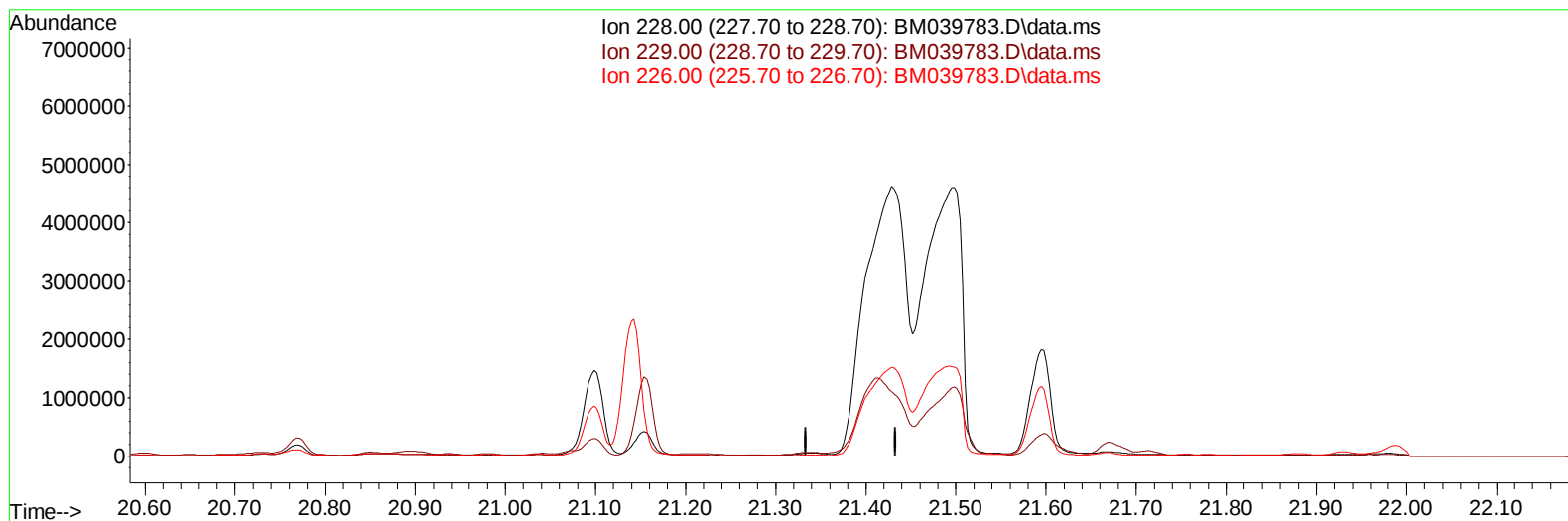
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
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Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

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TIC: BM039783.D\data.ms

(21) Benzo(a)anthracene

21.383min (-21.383) 0.00 ng/u1

response 0

Ion	Exp%	Act%
228.00	100.00	0.00
229.00	20.20	0.00#
226.00	27.00	0.00#
0.00	0.00	0.00

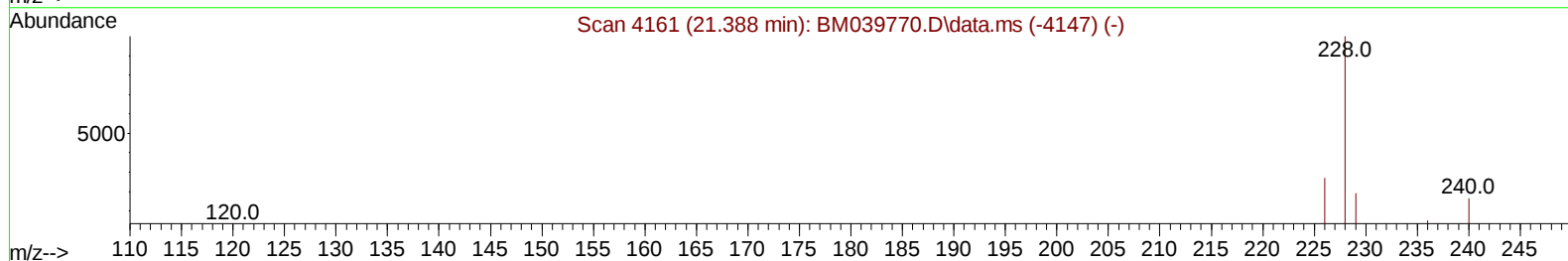
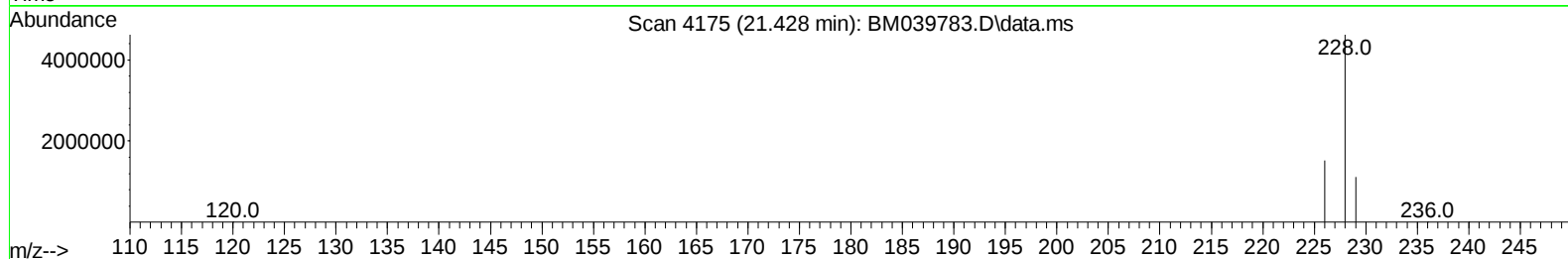
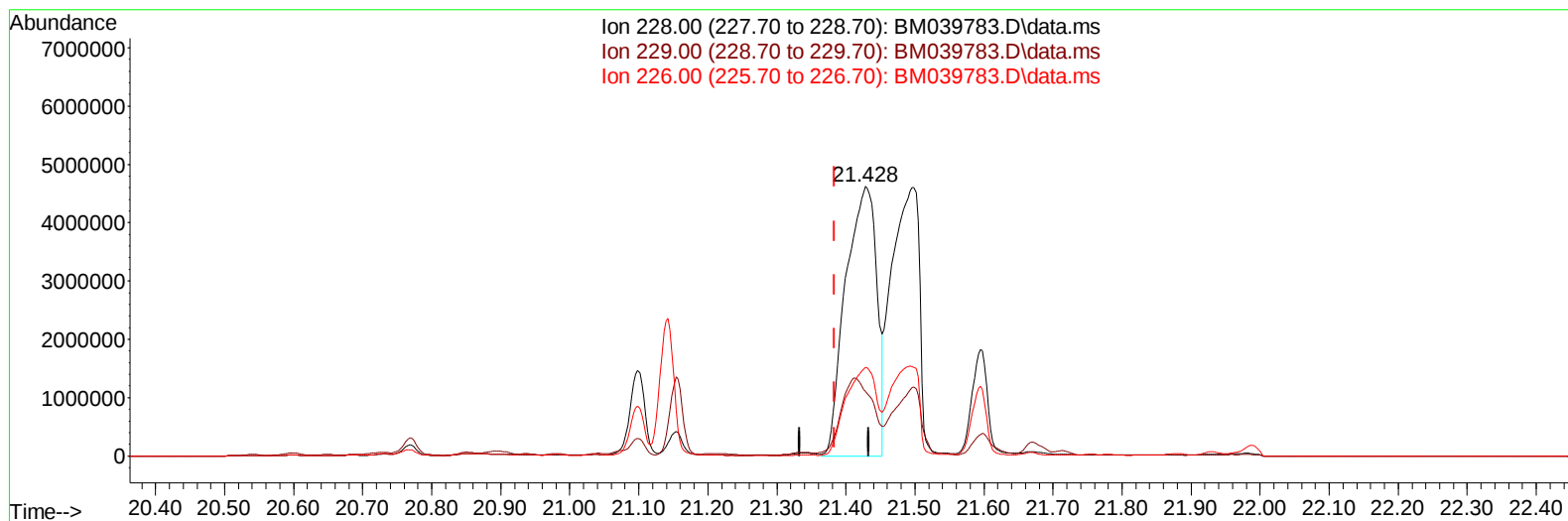
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 05/02/2023
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Response via : Initial Calibration



TIC: BM039783.D\data.ms

(21) Benzo(a)anthracene

21.428min (+ 0.045) 357.22 ng/u1 m

response 14377924

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.20	23.96
226.00	27.00	32.82#
0.00	0.00	0.00

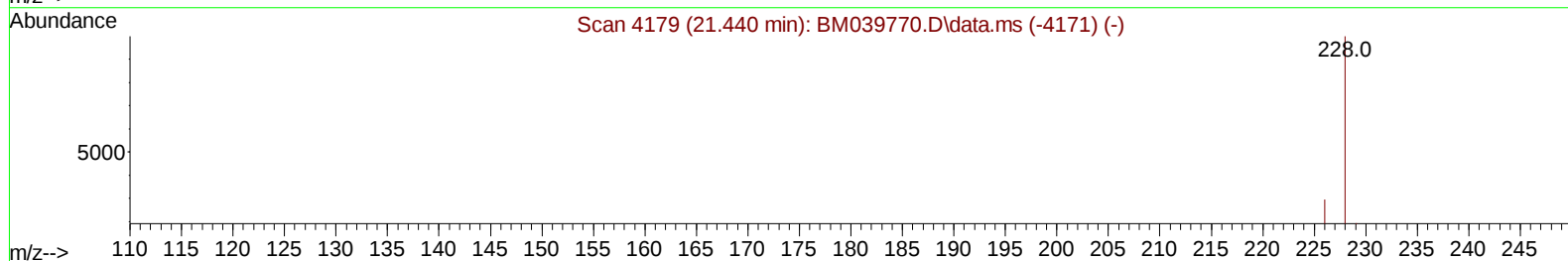
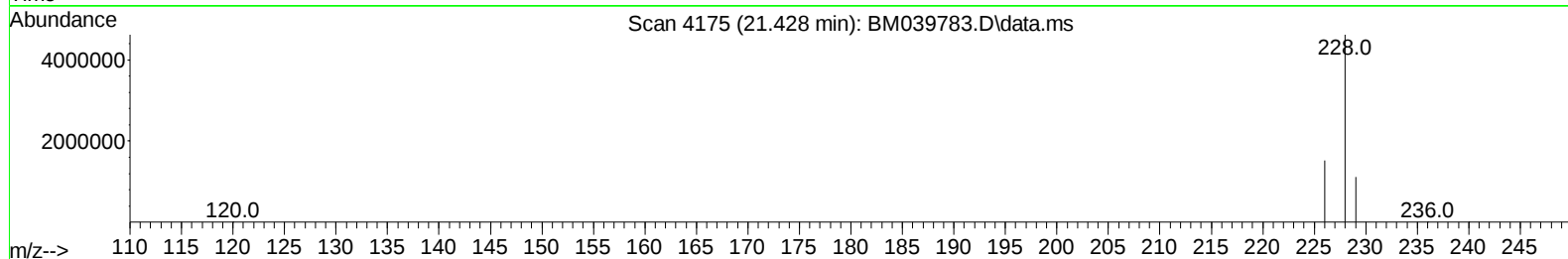
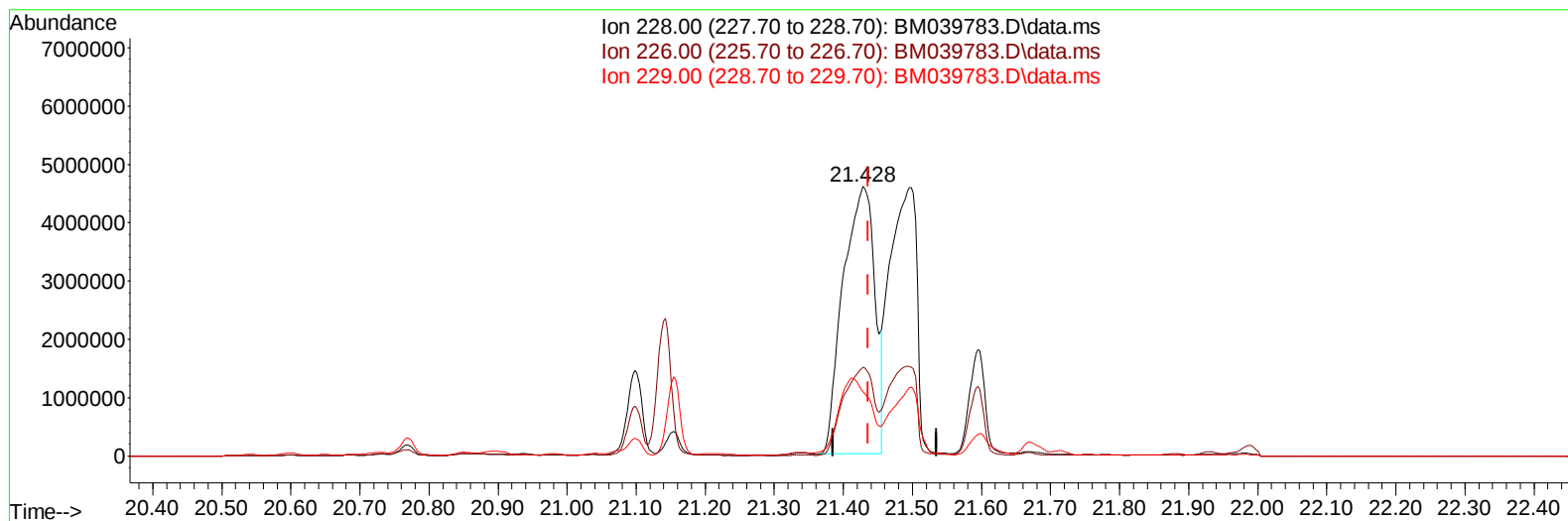
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039783.D
 Acq On : 01 May 2023 18:37
 Operator : CG/JU
 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904

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TIC: BM039783.D\data.ms

(22) Chrysene

21.428min (-0.008) 319.46 ng/u1

response 14551065

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.40	32.82
229.00	19.90	23.96#
0.00	0.00	0.00

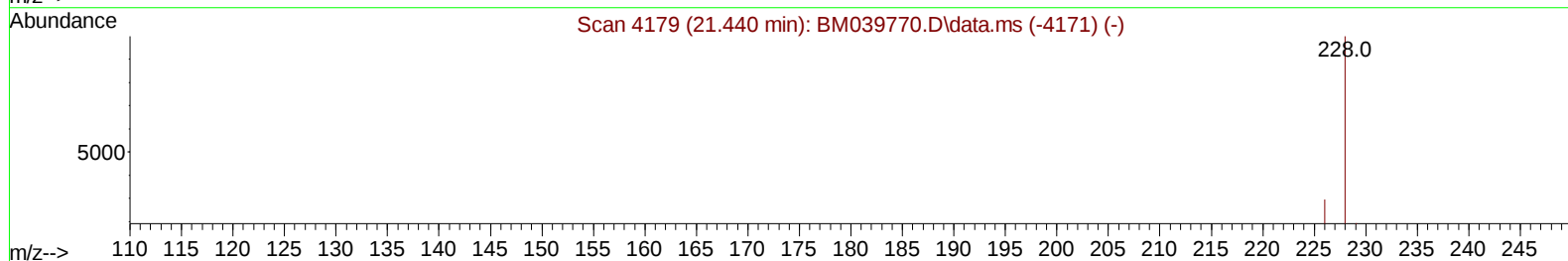
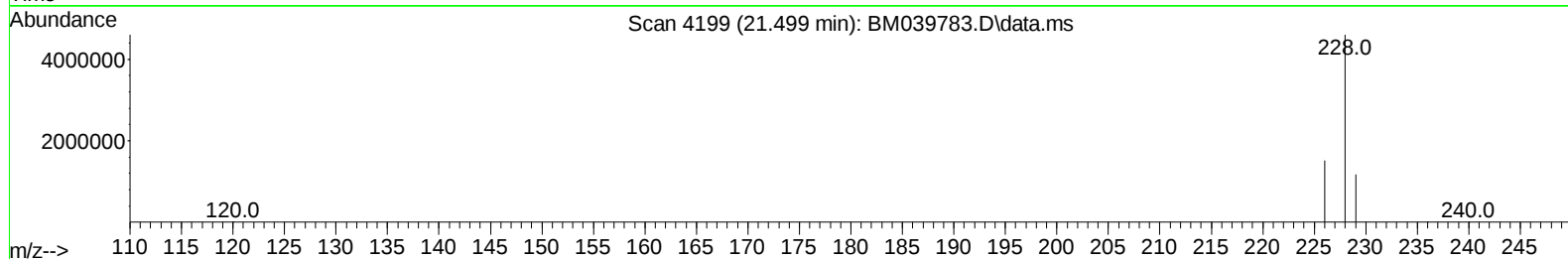
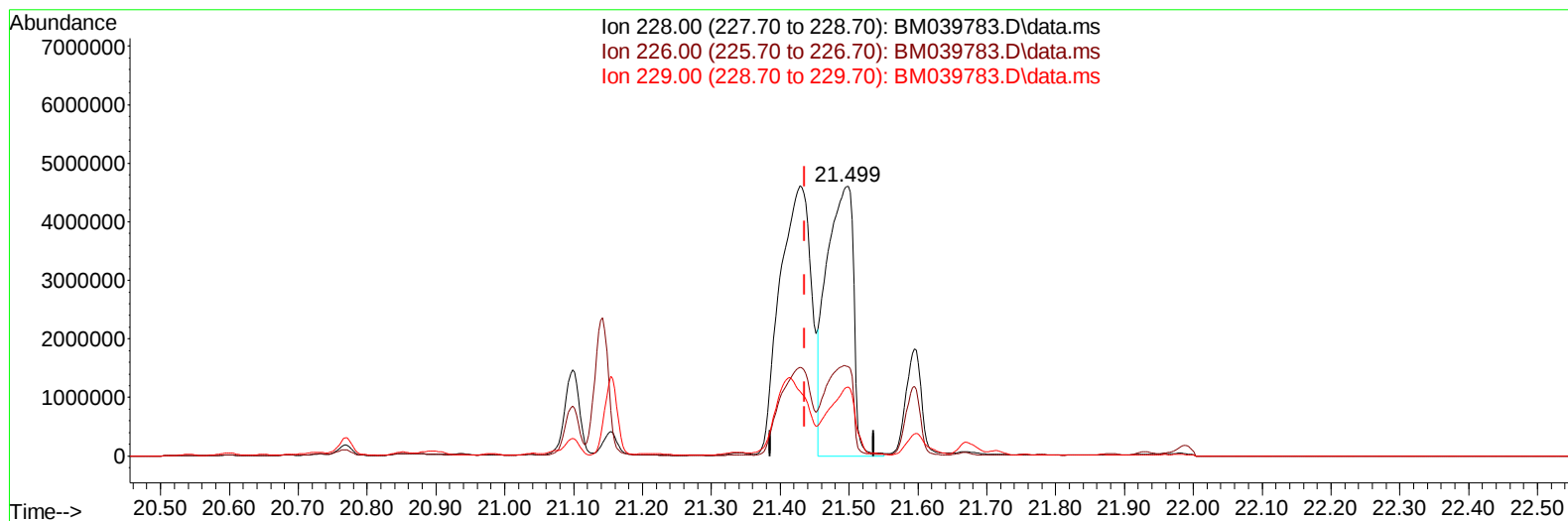
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

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TIC: BM039783.D\data.ms

(22) Chrysene

21.499min (+ 0.063) 274.88 ng/u1 m

response 12520750

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.40	33.04
229.00	19.90	25.59#
0.00	0.00	0.00

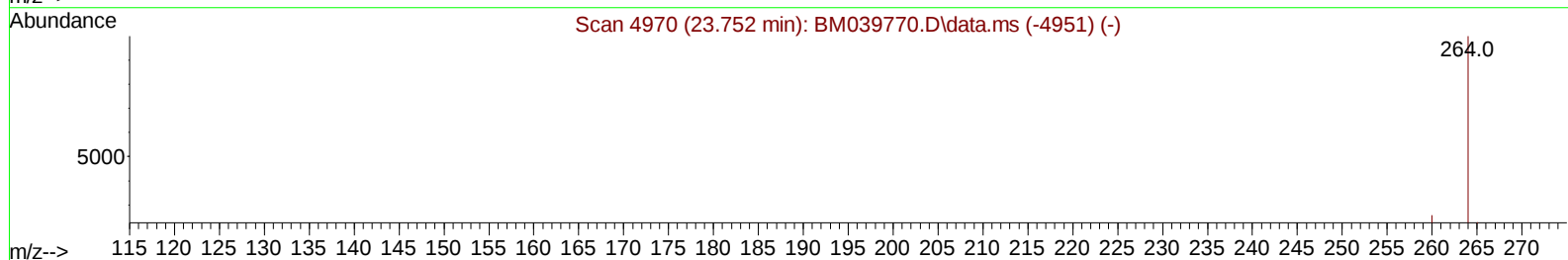
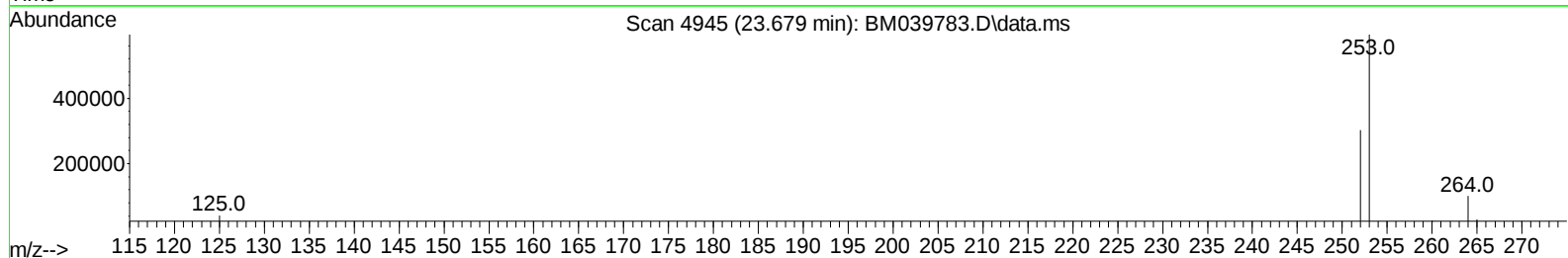
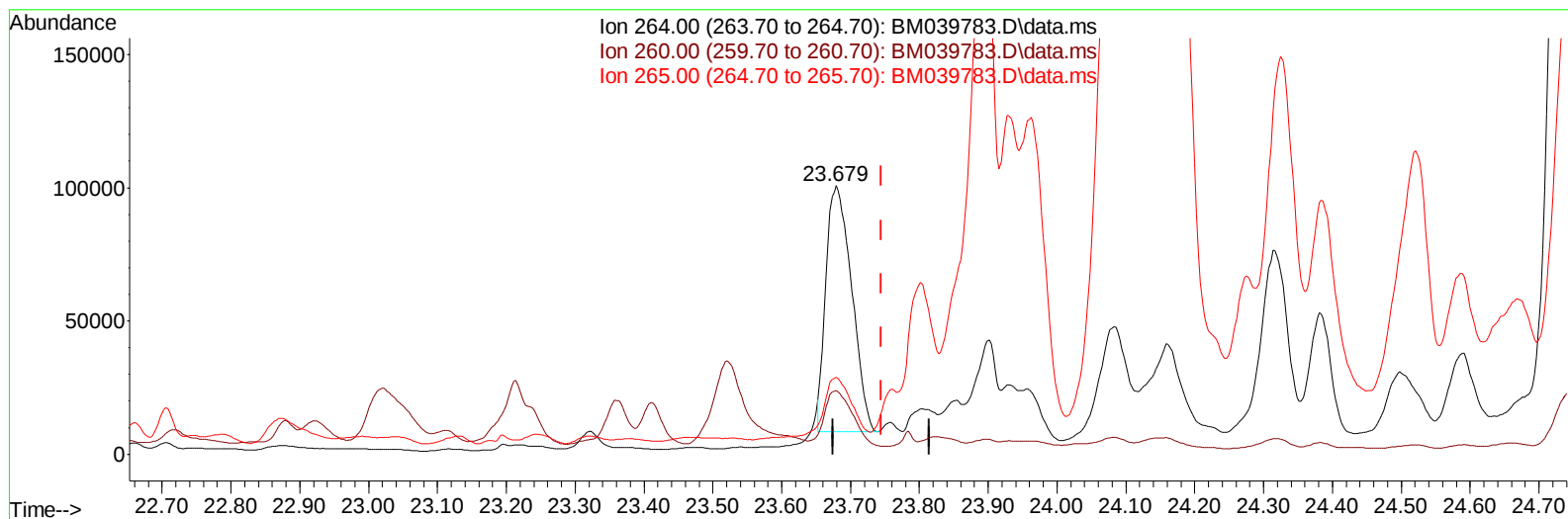
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
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Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM039783.D\data.ms

(23) Perylene-d12 (I)

23.679min (-0.066) 0.40 ng/u1

response 238556

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.60	23.76
265.00	71.90	28.72#
0.00	0.00	0.00

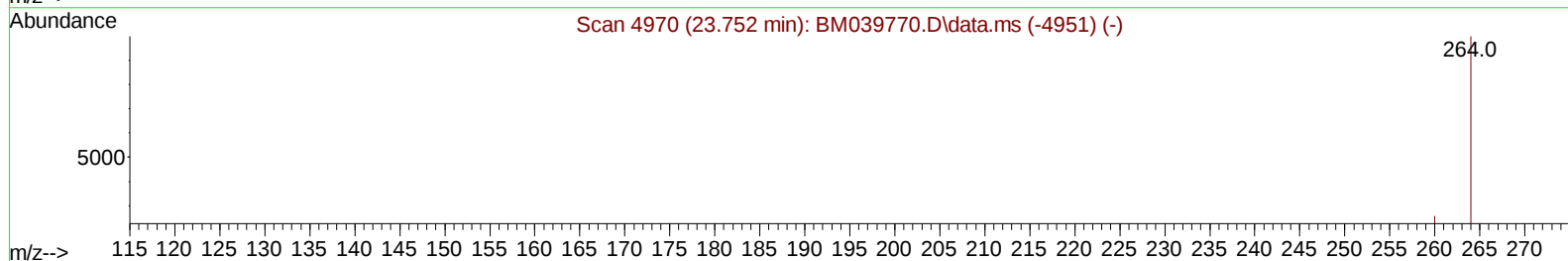
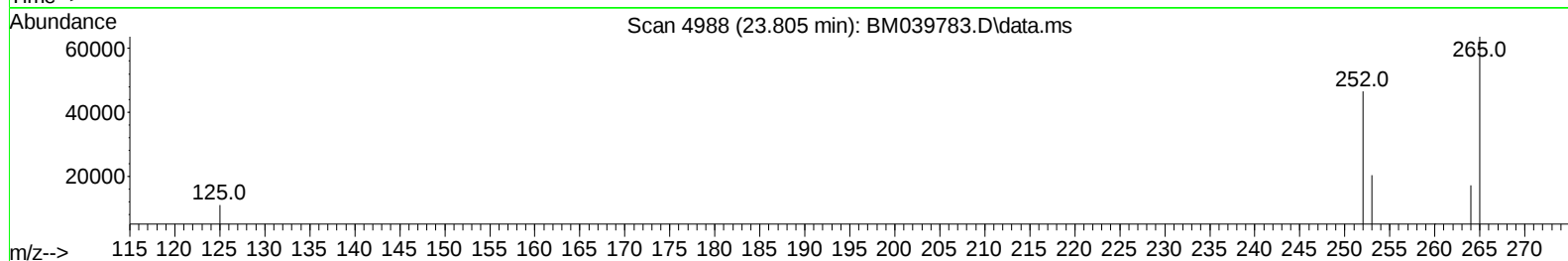
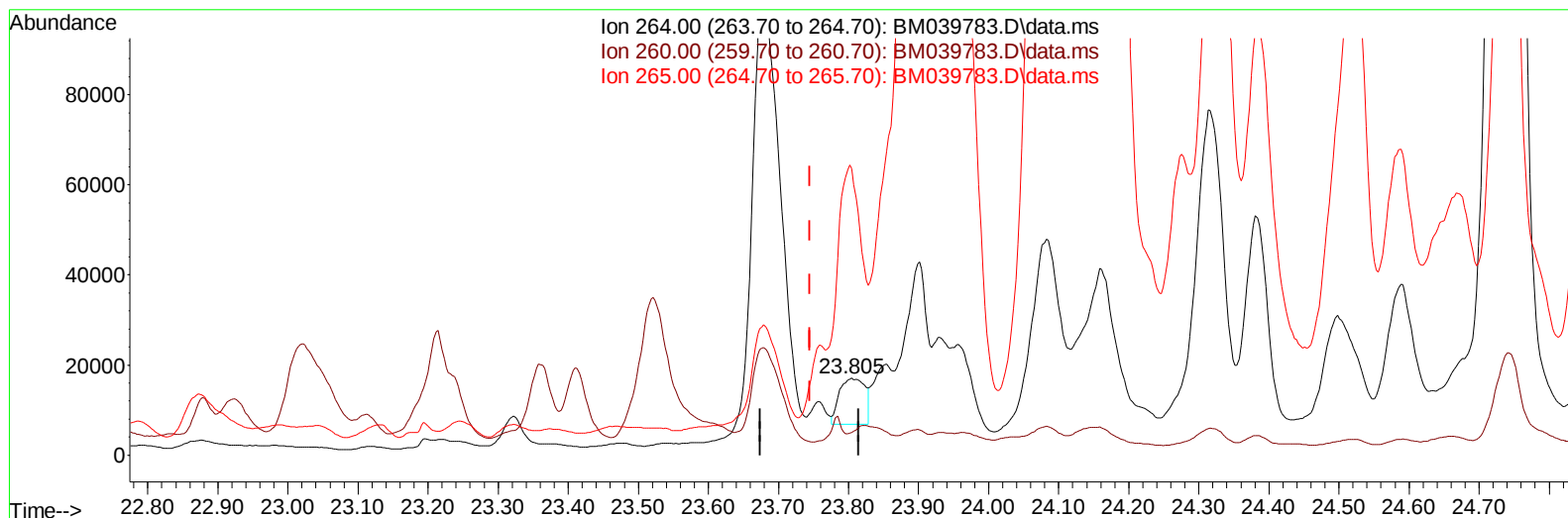
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
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Sample : 02418-30
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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TIC: BM039783.D\data.ms

(23) Perylene-d12 (I)

23.805min (+ 0.060) 0.40 ng/ul m

response 26310

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.60	29.63
265.00	71.90	372.59#
0.00	0.00	0.00

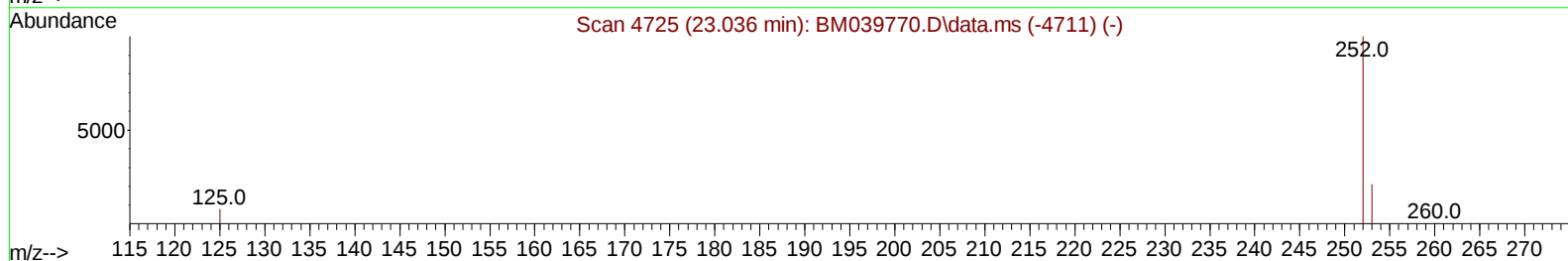
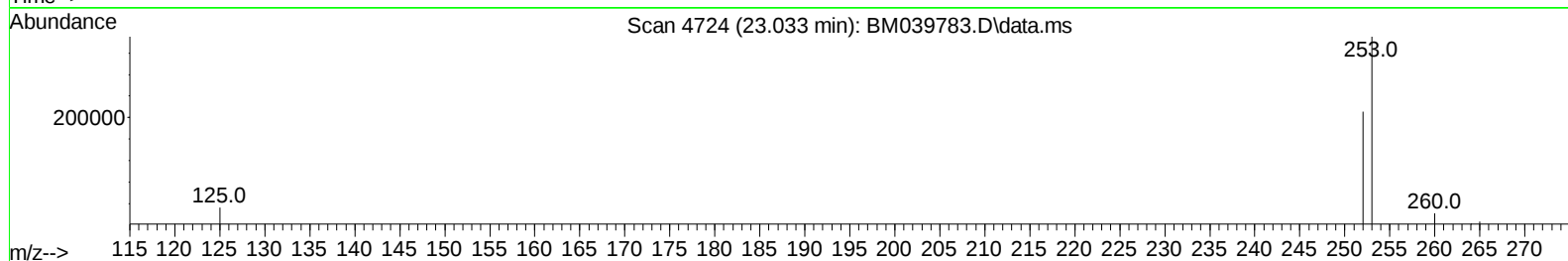
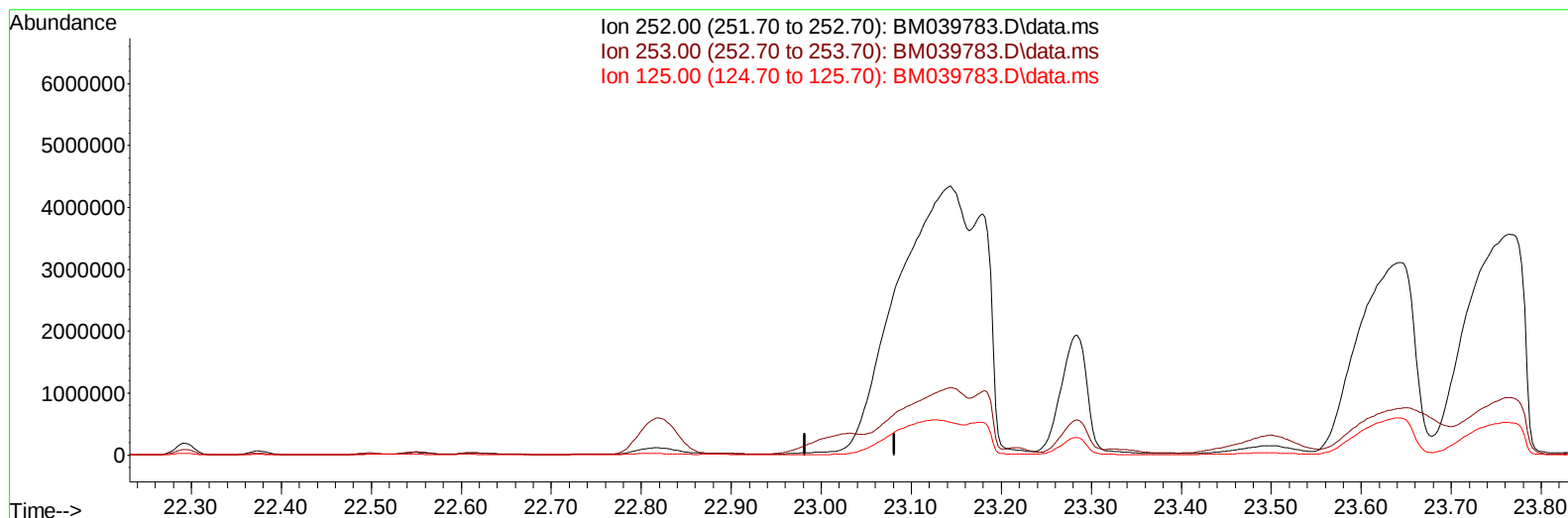
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
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Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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TIC: BM039783.D\data.ms

(24) Benzo(b)fluoranthene

23.032min (-23.032) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	26.40	0.00
125.00	15.80	0.00
0.00	0.00	0.00

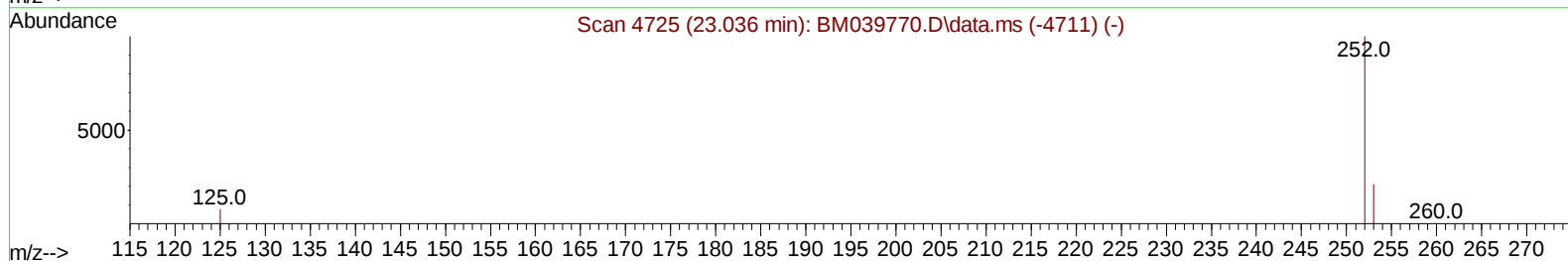
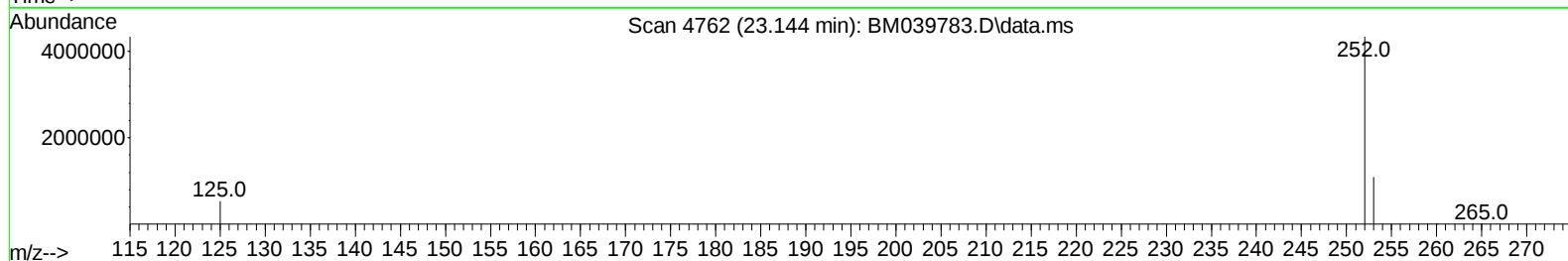
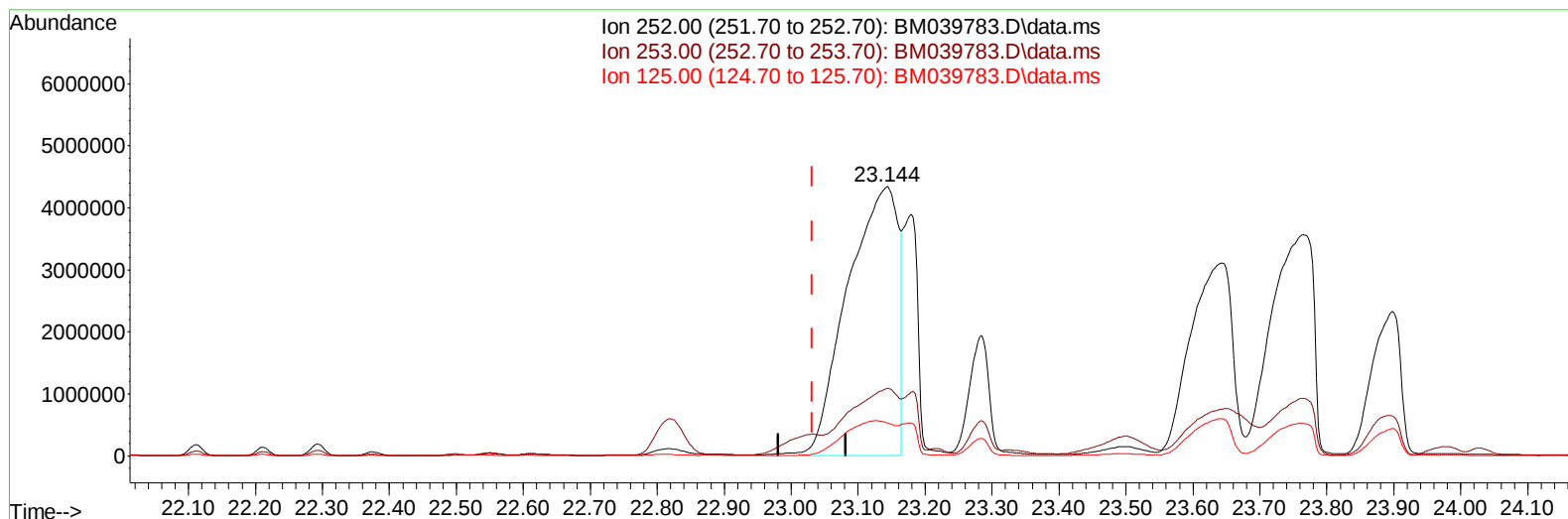
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039783.D
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 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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TIC: BM039783.D\data.ms

(24) Benzo(b)fluoranthene

23.144min (+ 0.112) 246.75 ng/u1 m

response 22799663

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.40	25.17
125.00	15.80	12.18
0.00	0.00	0.00

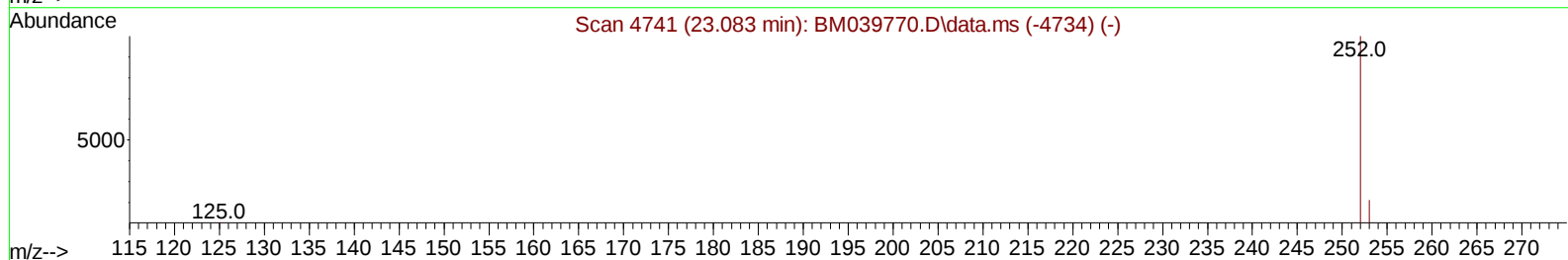
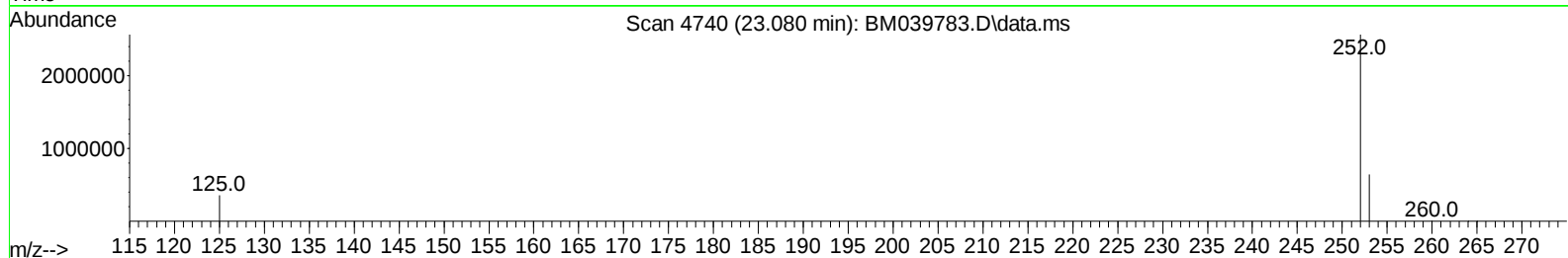
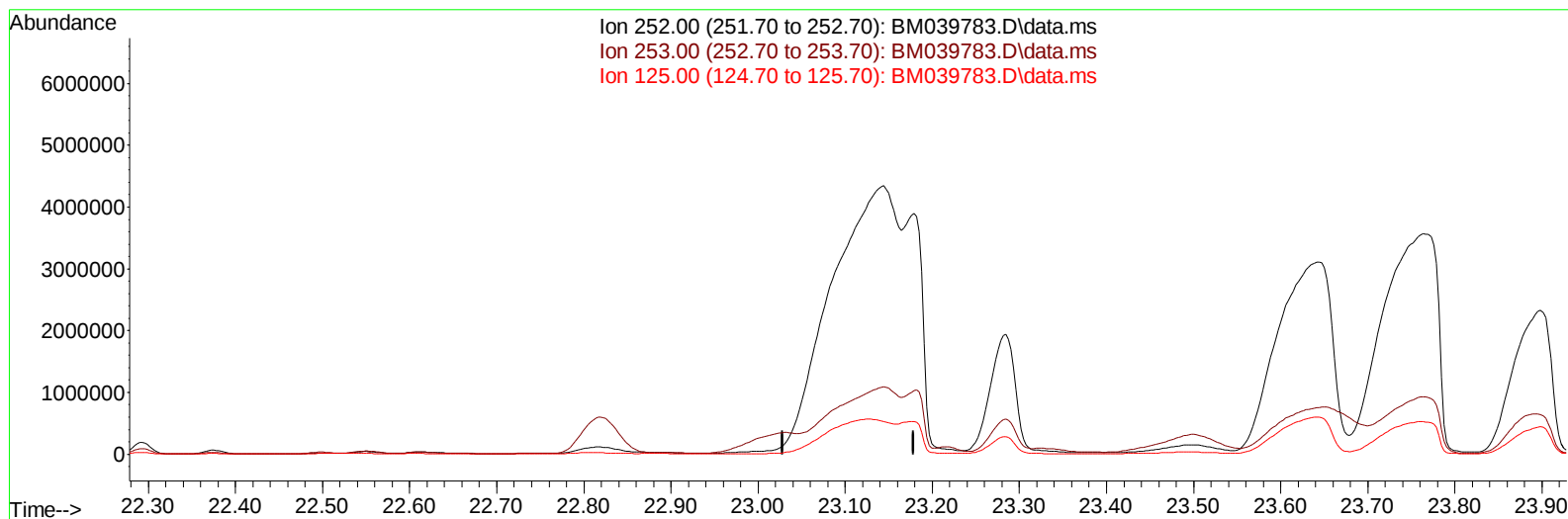
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
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 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904

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TIC: BM039783.D\data.ms

(25) Benzo(k)fluoranthene

23.078min (-23.078) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	26.60	0.00#
125.00	16.30	0.00#
0.00	0.00	0.00

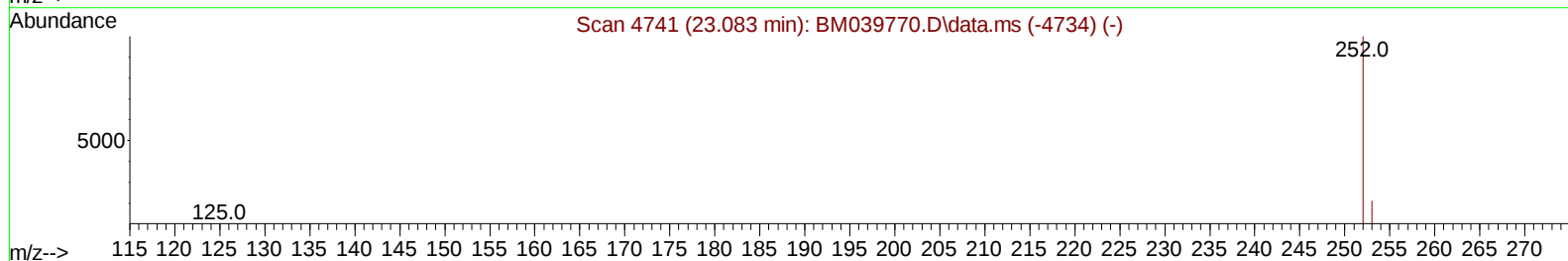
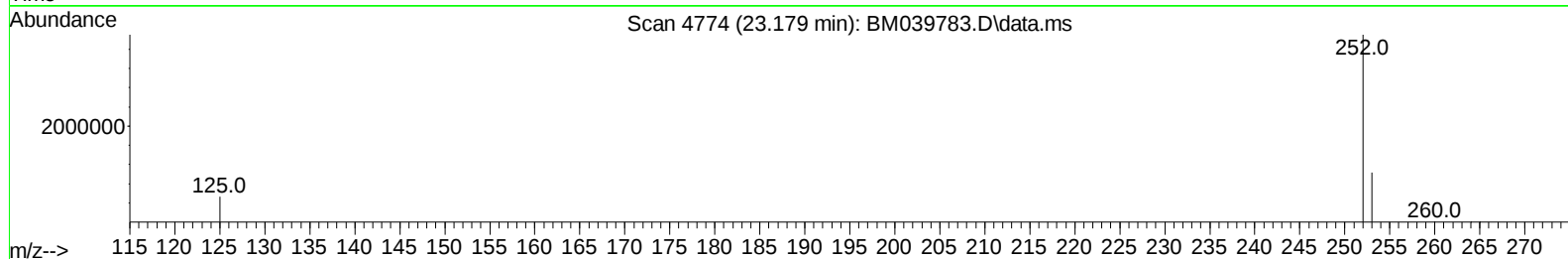
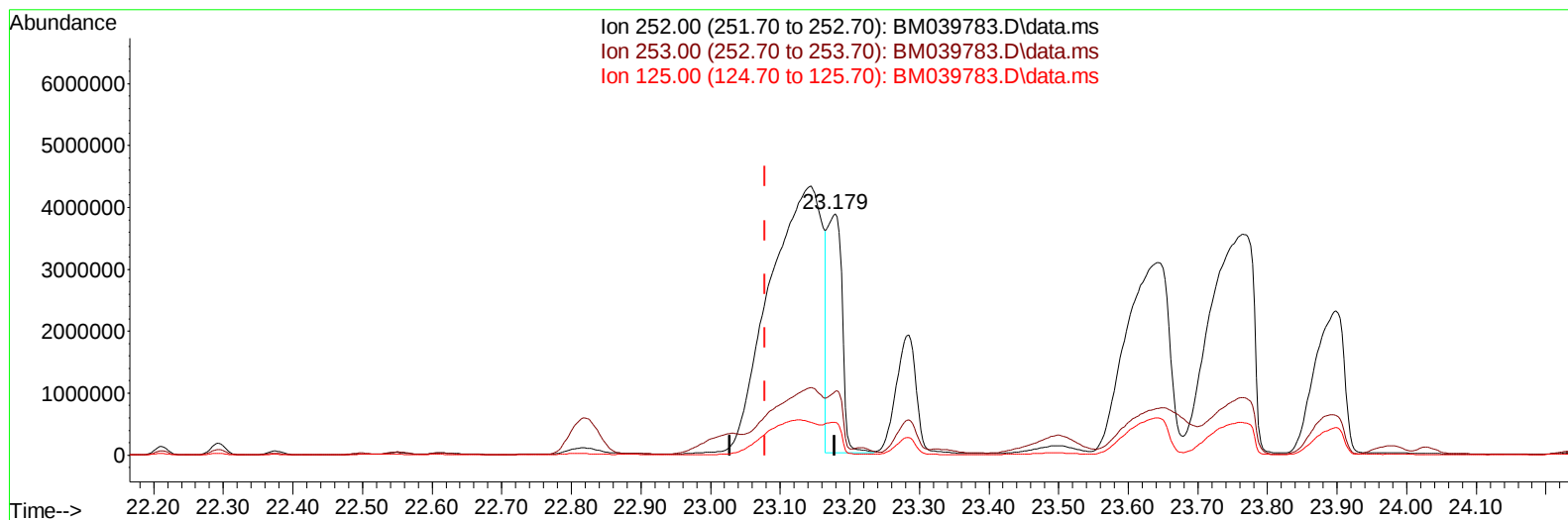
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039783.D
 Acq On : 01 May 2023 18:37
 Operator : CG/JU
 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 29 04:28:45 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



TIC: BM039783.D\data.ms

(25) Benzo(k)fluoranthene

23.179min (+ 0.101) 60.54 ng/ul m

response 5695625

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	26.45
125.00	16.30	13.44
0.00	0.00	0.00

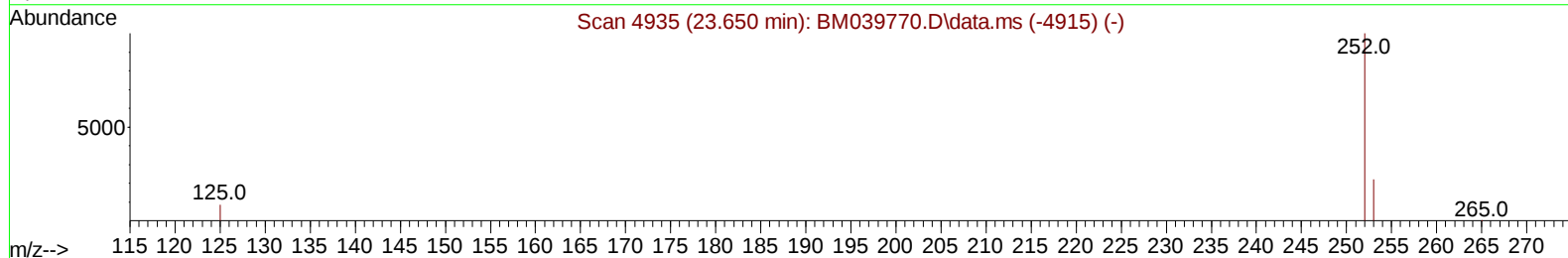
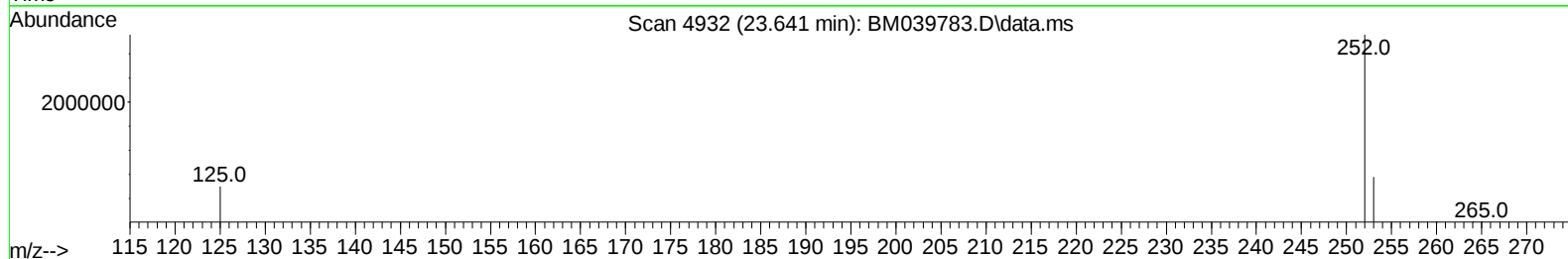
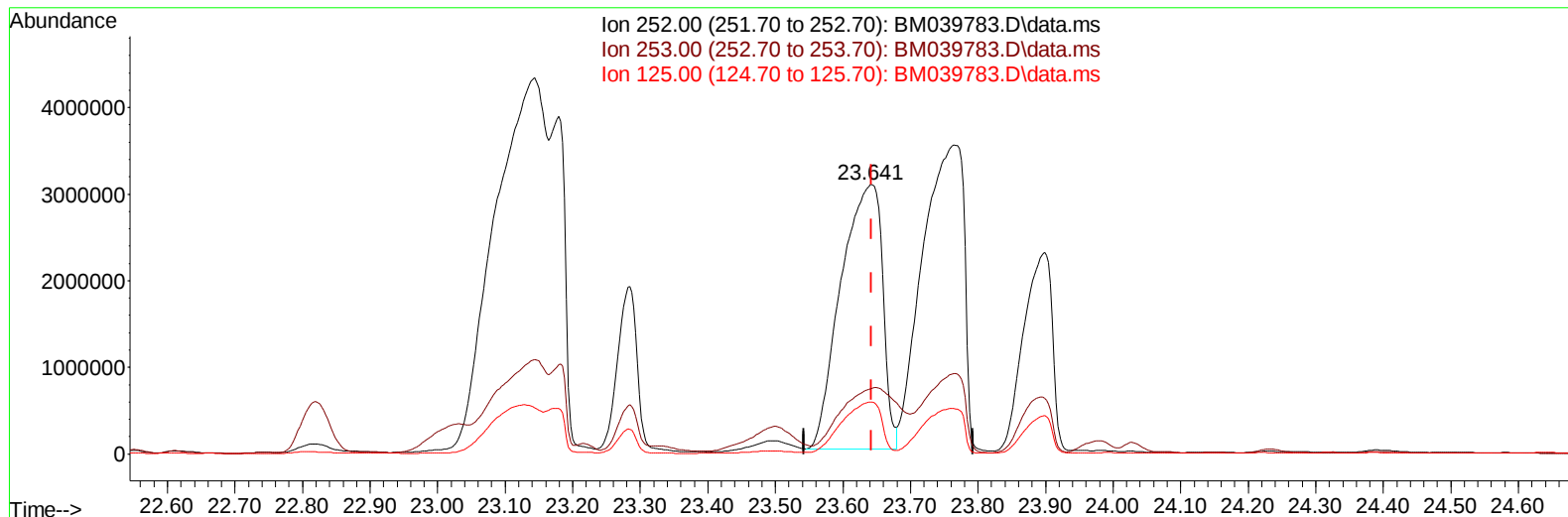
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM039783.D\data.ms

(26) Benzo(a)pyrene (C)

23.641min (-0.002) 157.35 ng/u1

response 13053393

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.90	24.08#
125.00	20.60	19.18
0.00	0.00	0.00

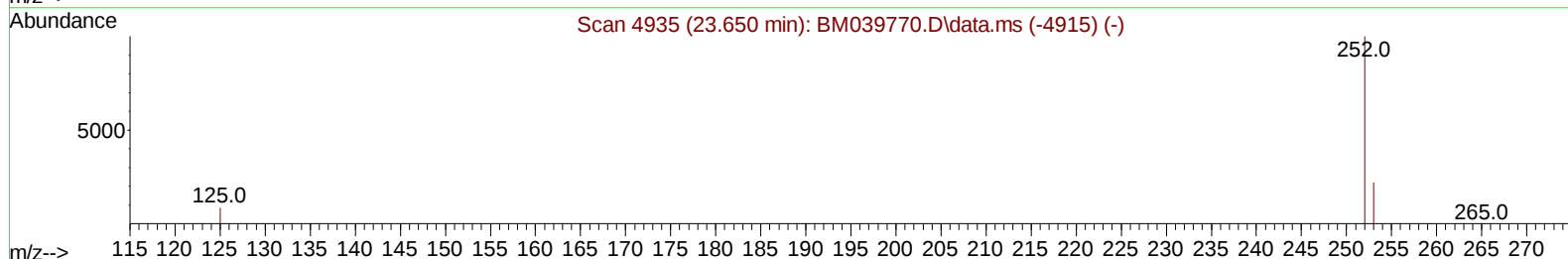
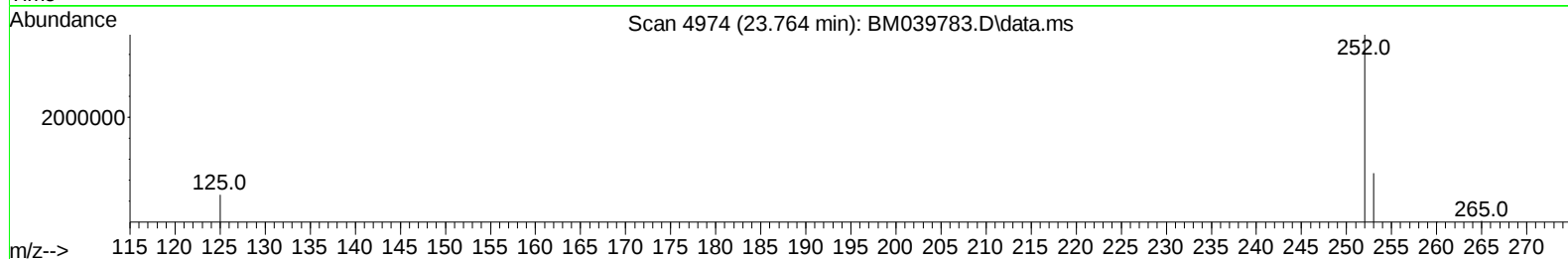
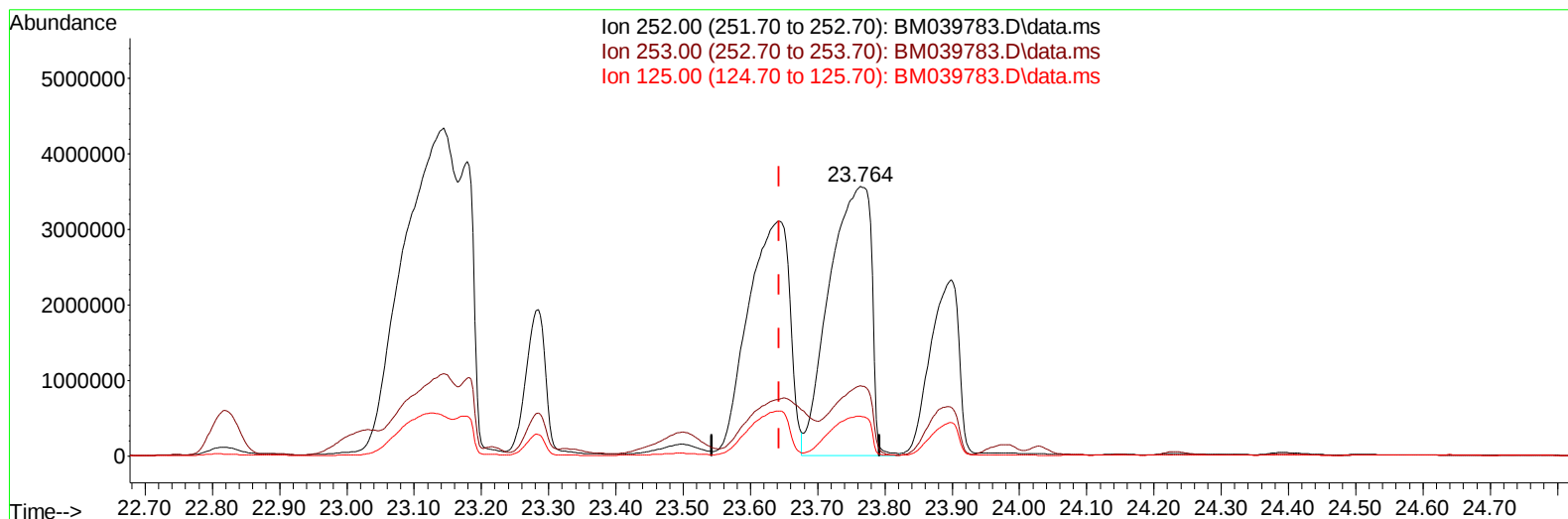
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039783.D
 Acq On : 01 May 2023 18:37
 Operator : CG/JU
 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
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TIC: BM039783.D\data.ms

(26) Benzo(a)pyrene (C)

23.764min (+ 0.121) 186.36 ng/u1 m

response 15460485

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.90	26.04
125.00	20.60	14.69#
0.00	0.00	0.00

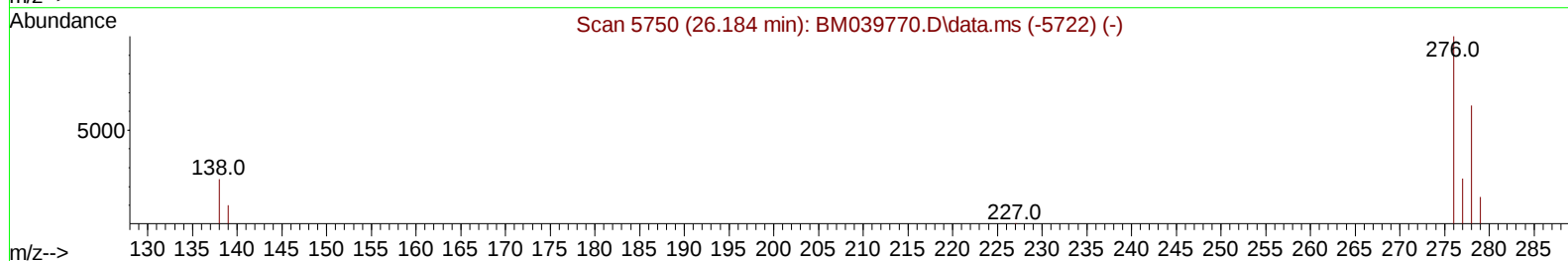
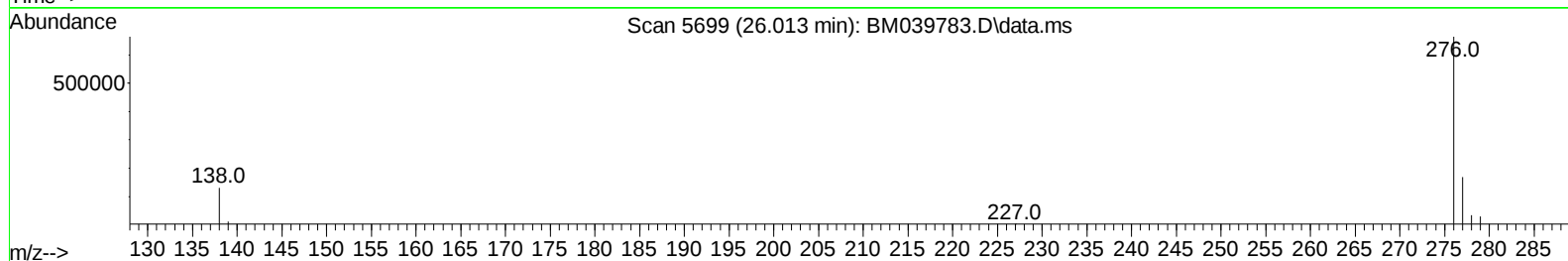
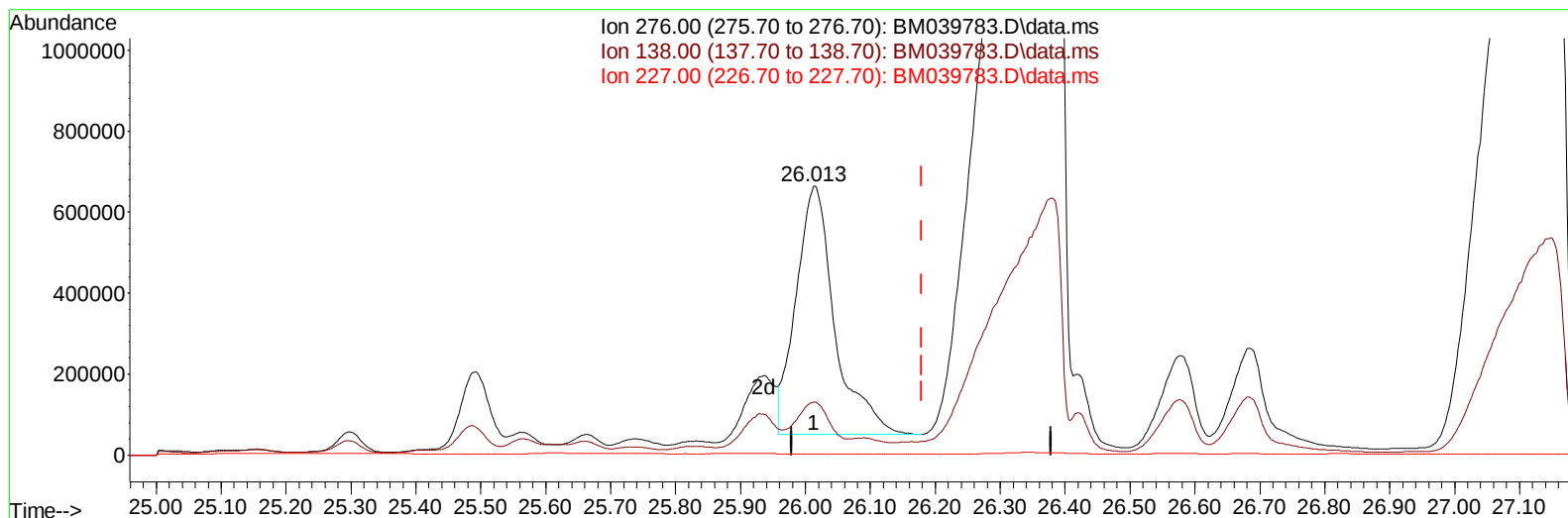
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
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TIC: BM039783.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

26.013min (-0.166) 24.23 ng/u1

response 2541995

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.40	14.09#
227.00	0.10	0.00#
0.00	0.00	0.00

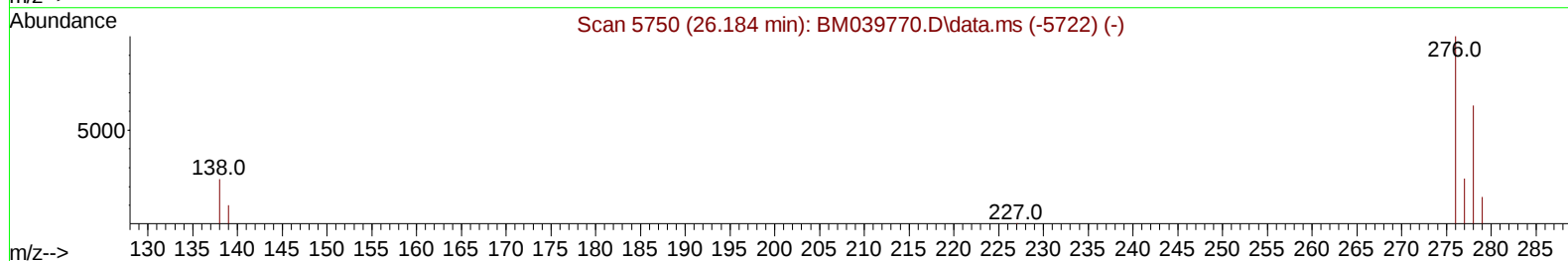
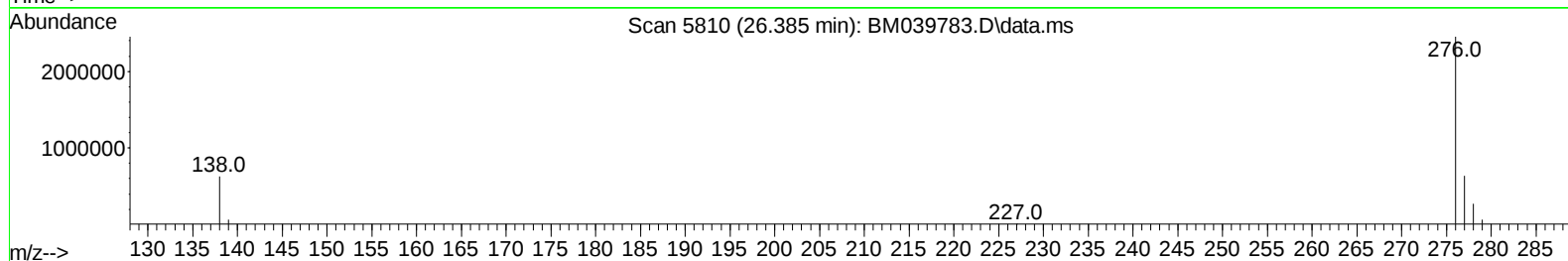
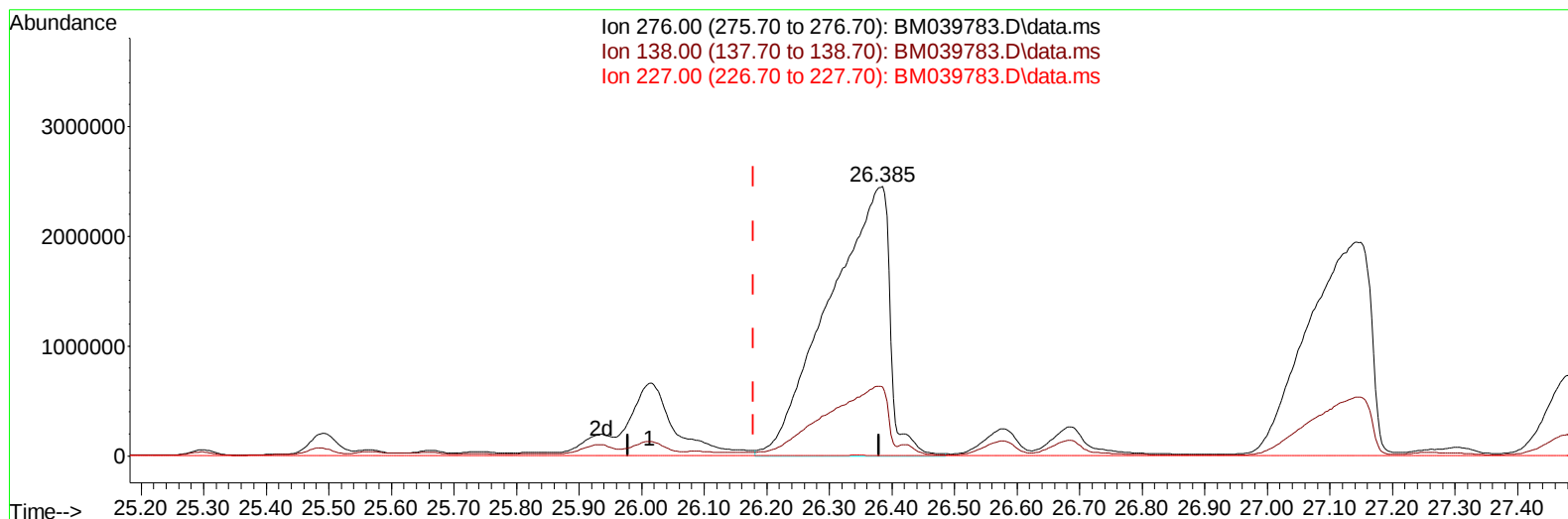
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039783.D
 Acq On : 01 May 2023 18:37
 Operator : CG/JU
 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
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TIC: BM039783.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

26.385min (+ 0.206) 158.02 ng/u1 m

response 16575787

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.40	2.16#
227.00	0.10	0.00#
0.00	0.00	0.00

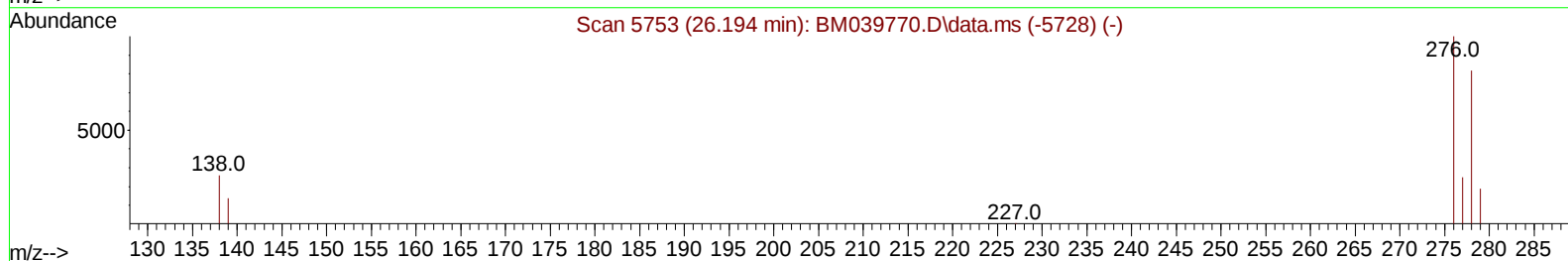
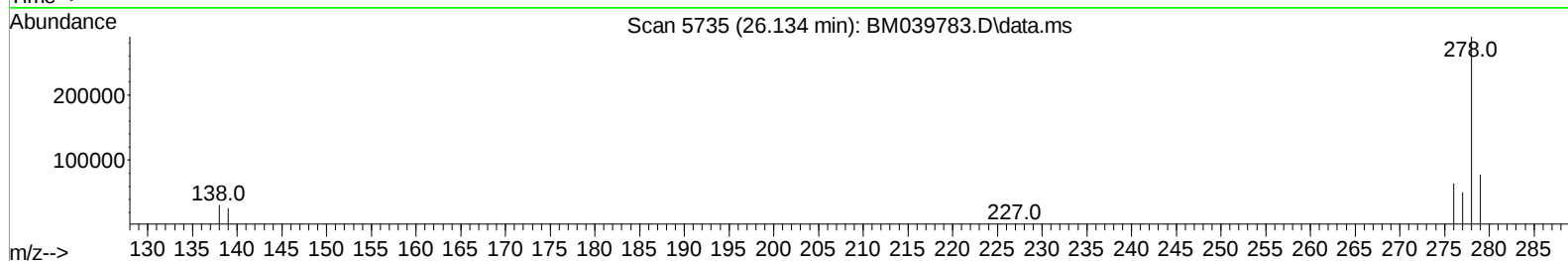
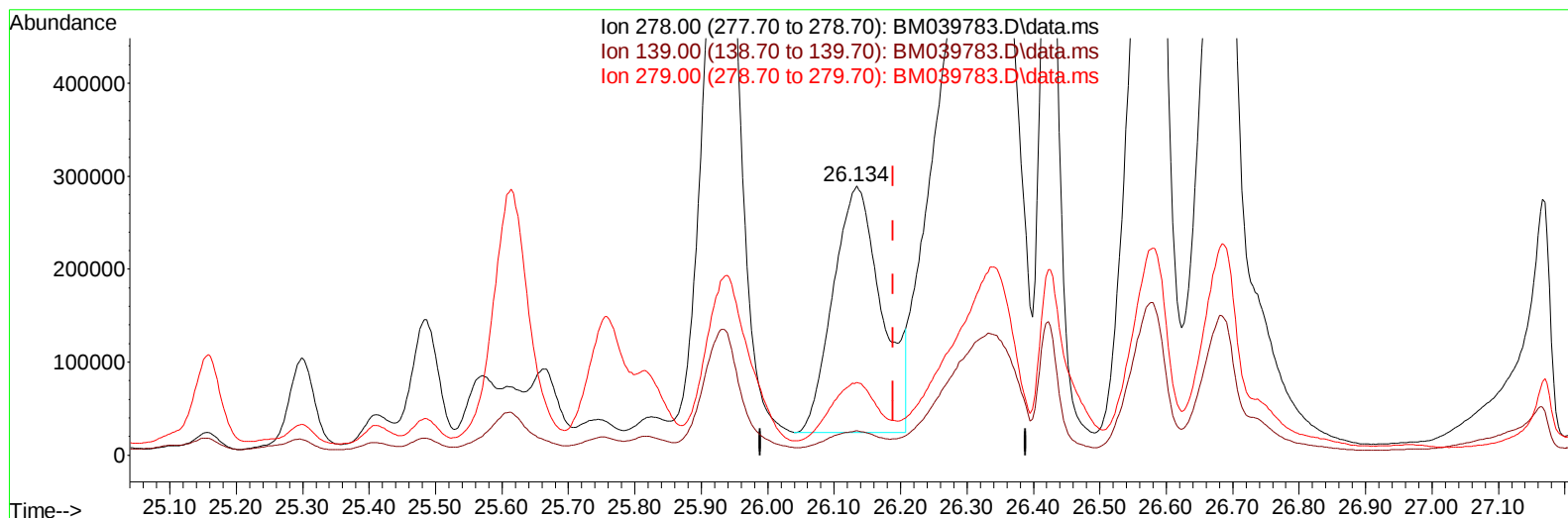
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
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Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



TIC: BM039783.D\data.ms

(28) Dibenzo(a,h)anthracene**26.134min (-0.055) 16.50 ng/u1****response 1343404**

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	21.30	8.99#
279.00	29.30	27.03
0.00	0.00	0.00

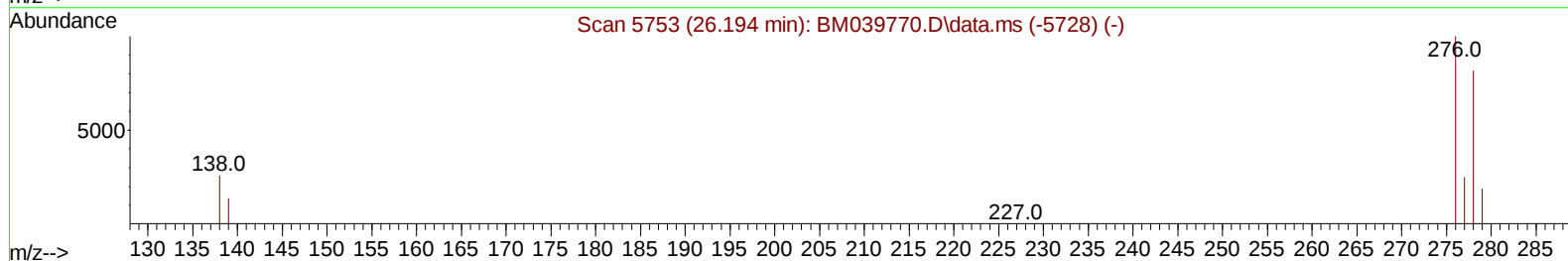
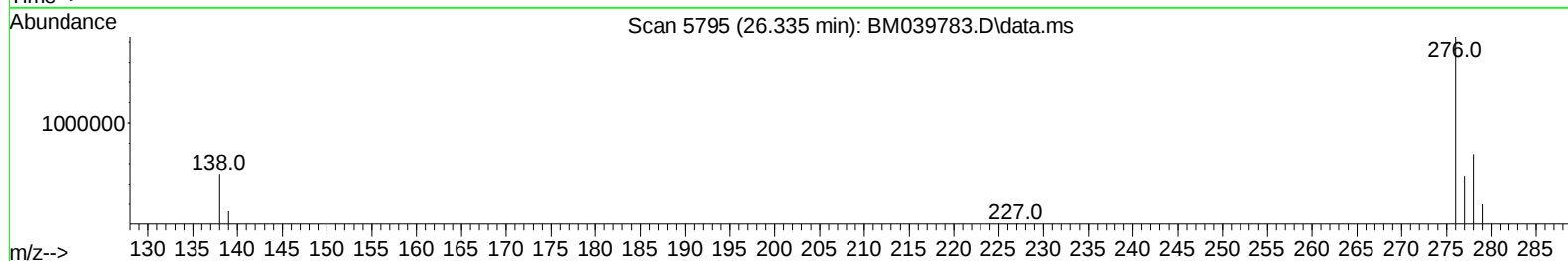
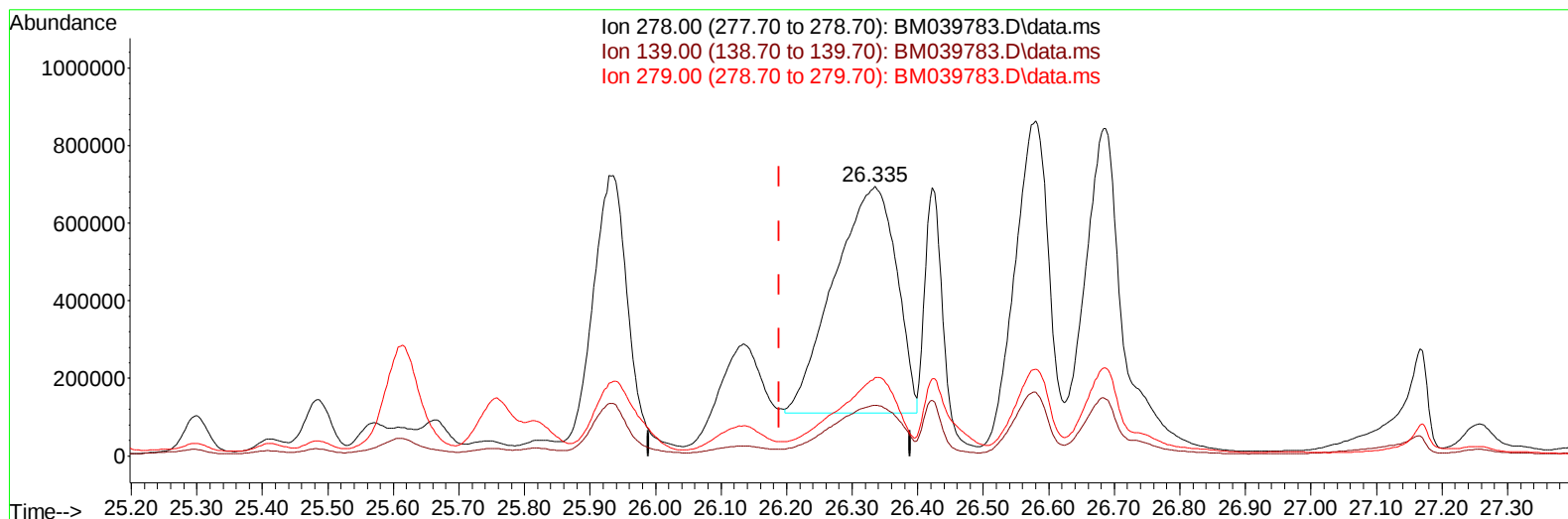
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039783.D
 Acq On : 01 May 2023 18:37
 Operator : CG/JU
 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904

Manual IntegrationsAPPROVED

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 Supervised By :Jagrut Upadhyay 05/02/2023



TIC: BM039783.D\data.ms

(28) Dibenzo(a,h)anthracene

26.335min (+ 0.146) 47.34 ng/ul m

response 3854175

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	21.30	18.86
279.00	29.30	29.11
0.00	0.00	0.00

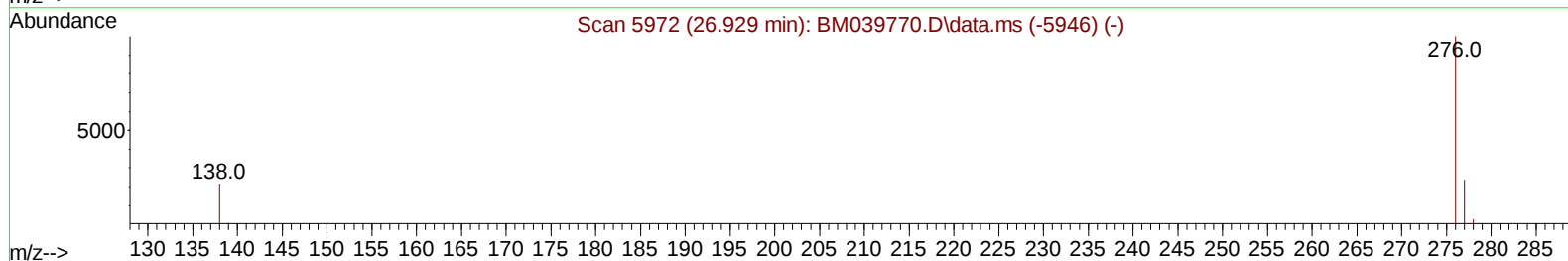
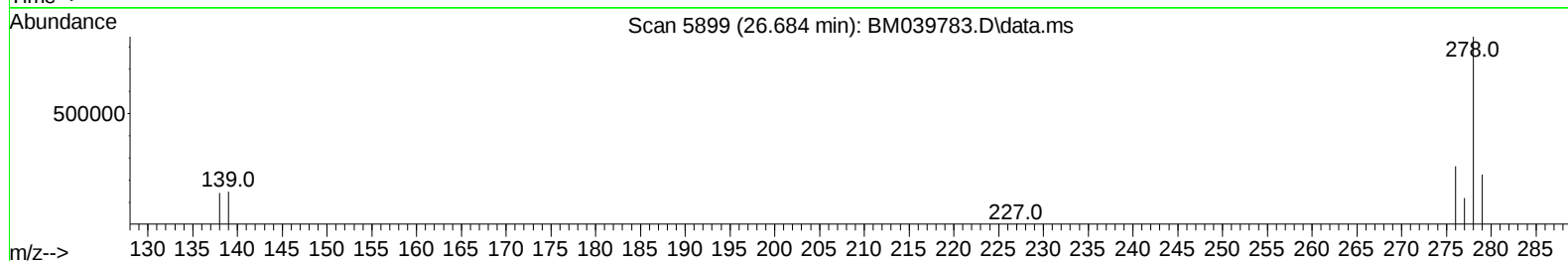
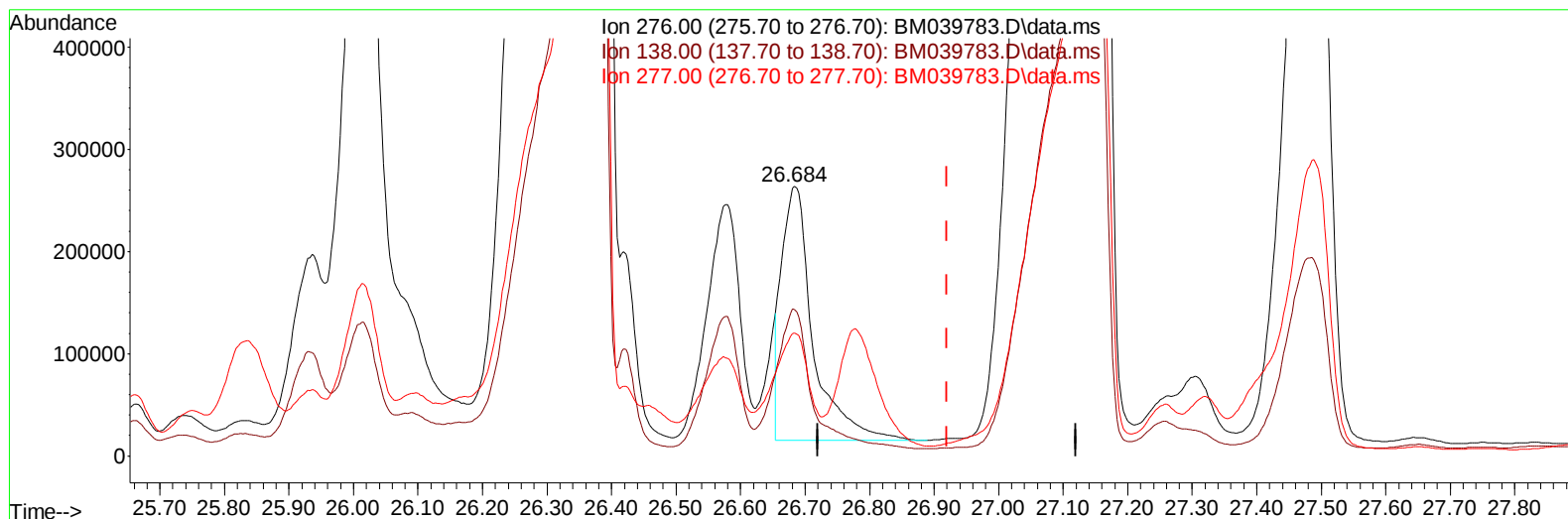
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039783.D
Acq On : 01 May 2023 18:37
Operator : CG/JU
Sample : 02418-30
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
EW904

Manual IntegrationsAPPROVED

Quant Time: May 02 01:26:49 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
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TIC: BM039783.D\data.ms

(29) Benzo(g,h,i)perylene**26.684min (-0.236) 9.28 ng/u1****response 848468**

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	25.10	54.31#
277.00	25.10	45.67#
0.00	0.00	0.00

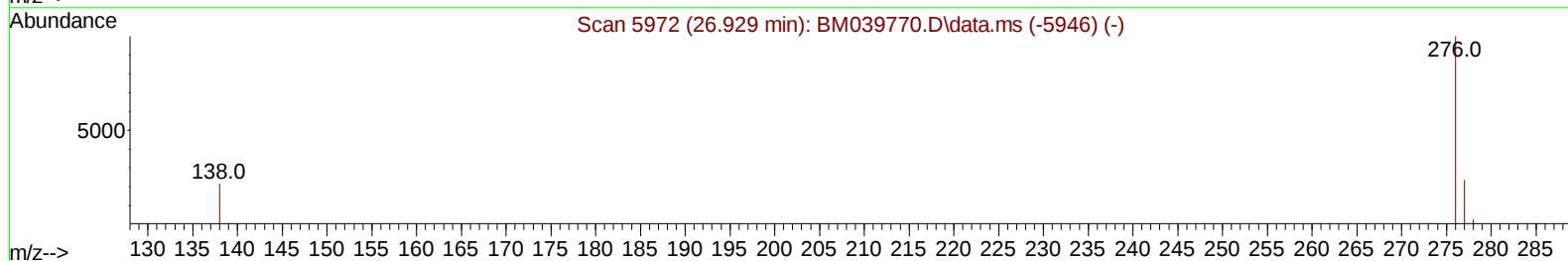
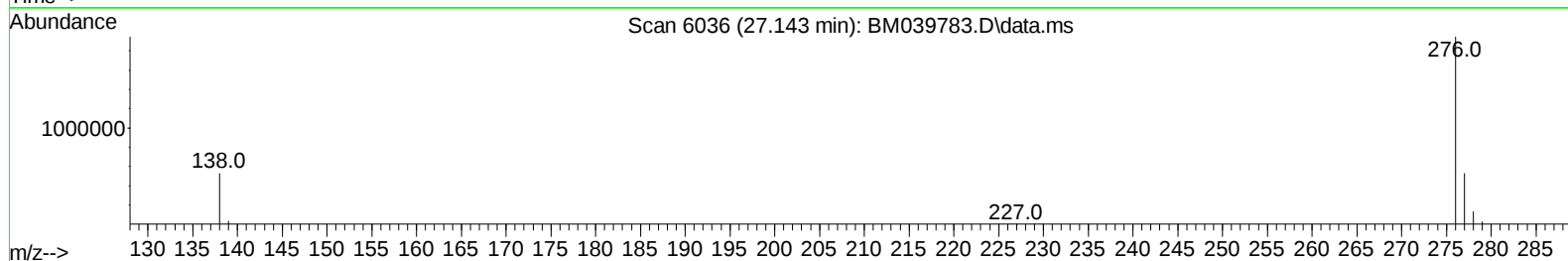
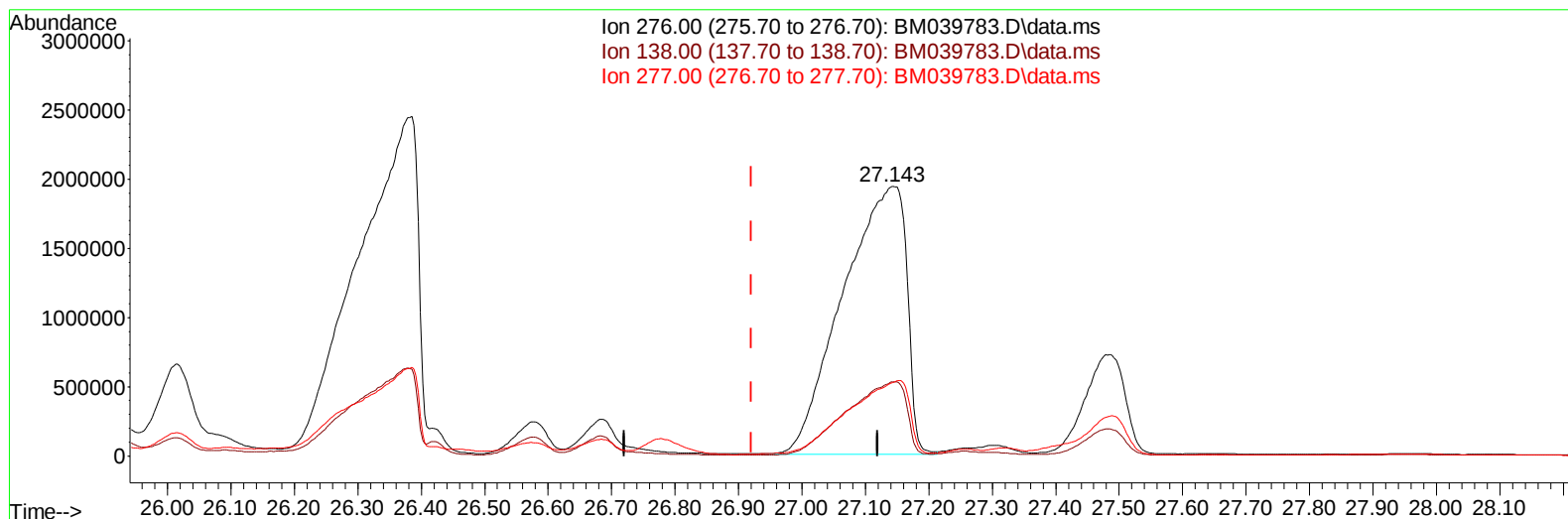
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039783.D
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 Operator : CG/JU
 Sample : 02418-30
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW904

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TIC: BM039783.D\data.ms

(29) Benzo(g,h,i)perylene

27.143min (+ 0.223) 147.67 ng/ul m

response 13497489

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	25.10	27.39
277.00	25.10	27.27
0.00	0.00	0.00

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 Acq On : 01 May 2023 18:37
 Operator : CG/JU
 Sample : 02418-30
 Misc :
 ALS Vial : 14 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	7.791	152	4590	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.588	136	16119	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.445	164	10229	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.211	188	12273	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.373	240	13999	0.400	ng/ul	#-0.03
23) Perylene-d12	23.805	264	26310m	0.400	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.188	96	14992	2.216	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.188	152	4970	0.240	ng/ul	-0.01
18) Fluoranthene-d10	19.241	212	14410m	0.383	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.638	128	850773	21.019	ng/ul	97
7) 2-Methylnaphthalene	12.260	142	329242	14.093	ng/ul	96
8) 1-Methylnaphthalene	12.480	142	292996	11.692	ng/ul	99
10) Acenaphthylene	14.167	152	1715837	43.338	ng/ul	99
11) Acenaphthene	14.509	153	1171856	37.682	ng/ul	98
12) Fluorene	15.504	166	1961544	56.851	ng/ul	96
14) Pentachlorophenol	16.882	266	1326	0.496	ng/ul	96
15) Phenanthrene	17.283	178	16849951	521.123	ng/ul	97
16) Anthracene	17.355	178	6032805	217.291	ng/ul	99
19) Fluoranthene	19.316	202	26406149m	528.728	ng/ul	
20) Pyrene	19.692	202	22141093	410.528	ng/ul	96
21) Benzo(a)anthracene	21.428	228	14377924m	357.222	ng/ul	
22) Chrysene	21.499	228	12520750m	274.884	ng/ul	
24) Benzo(b)fluoranthene	23.144	252	22799663m	246.752	ng/ul	
25) Benzo(k)fluoranthene	23.179	252	5695625m	60.539	ng/ul	
26) Benzo(a)pyrene	23.764	252	15460485m	186.364	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.385	276	16575787m	158.017	ng/ul	
28) Dibenzo(a,h)anthracene	26.335	278	3854175m	47.338	ng/ul	
29) Benzo(g,h,i)perylene	27.143	276	13497489m	147.669	ng/ul	

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

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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