

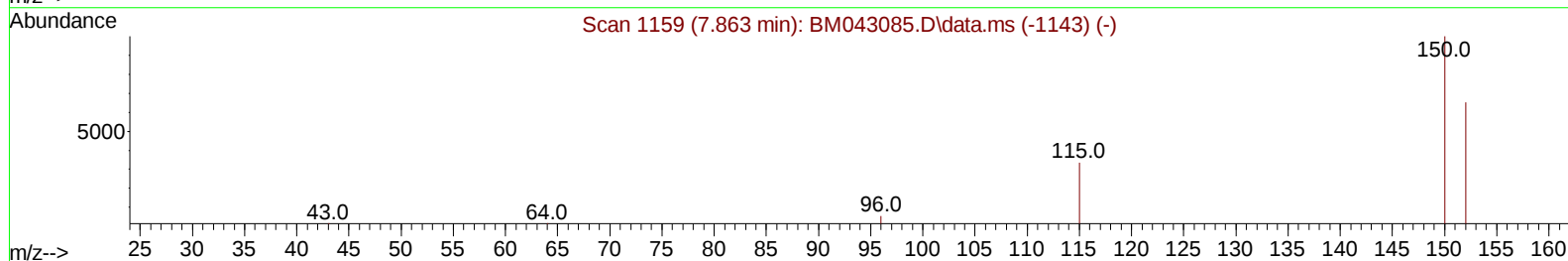
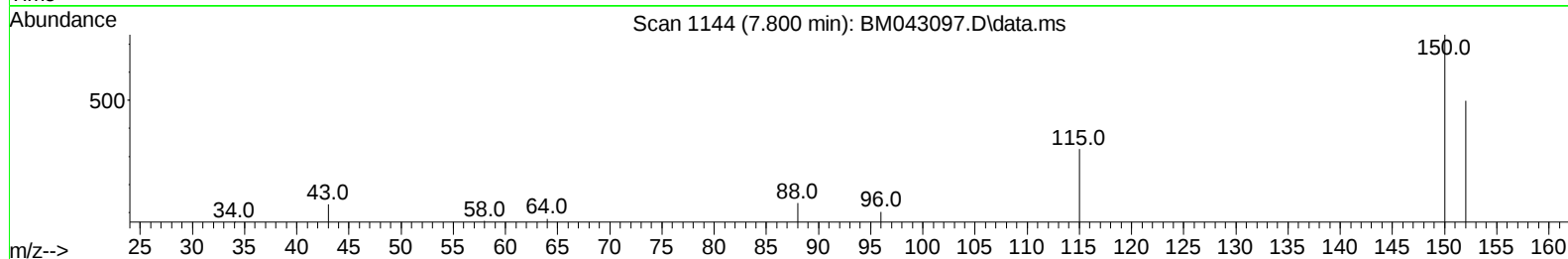
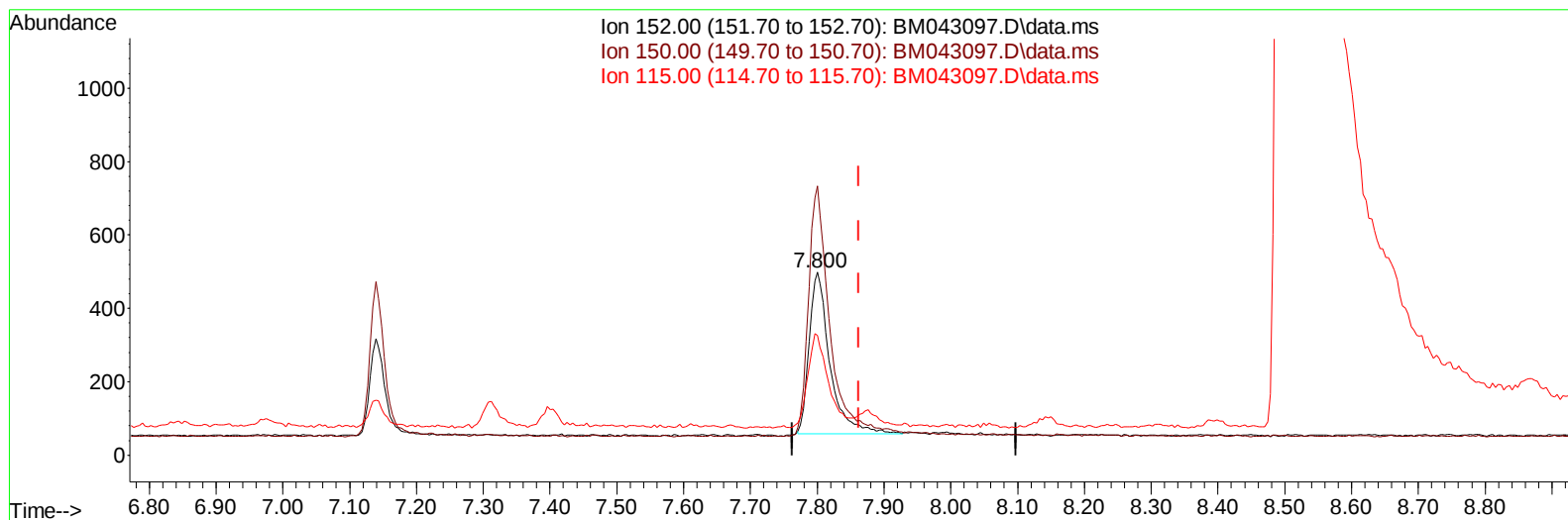
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043097.D
Acq On : 30 Nov 2023 22:29
Operator : MA/JU
Sample : 05449-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



TIC: BM043097.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.800min (-0.063) 0.40 ng/u1

response 942

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	147.19
115.00	89.60	65.46#
0.00	0.00	0.00

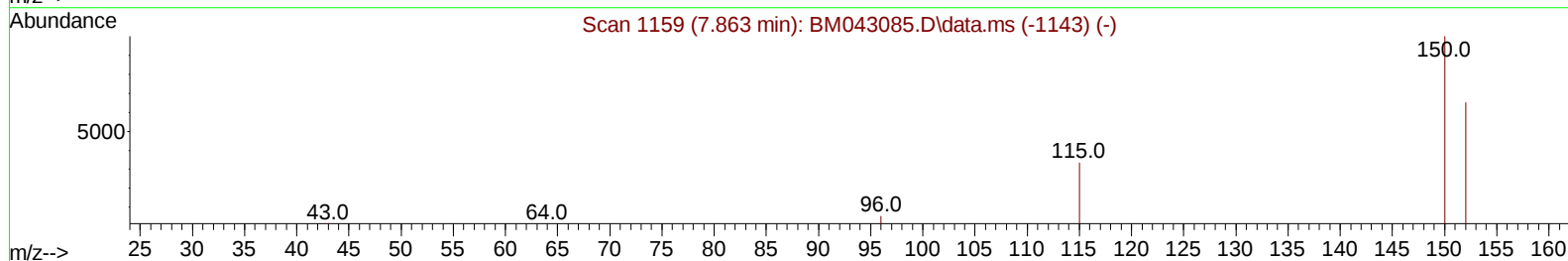
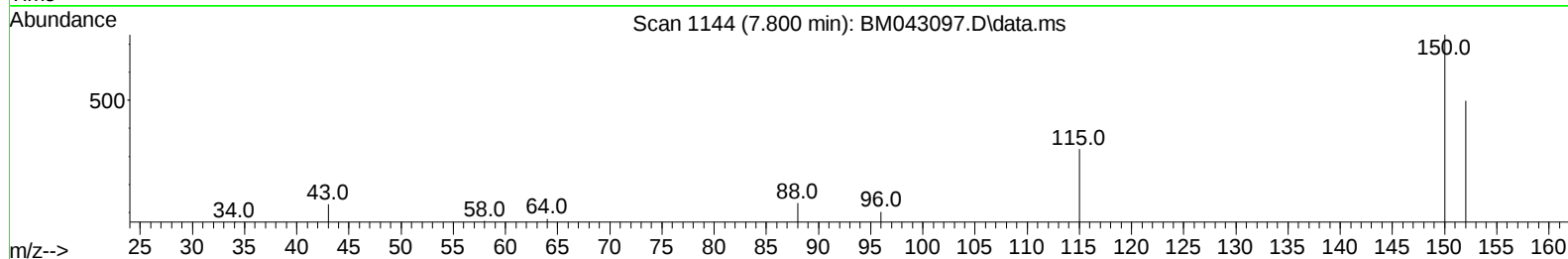
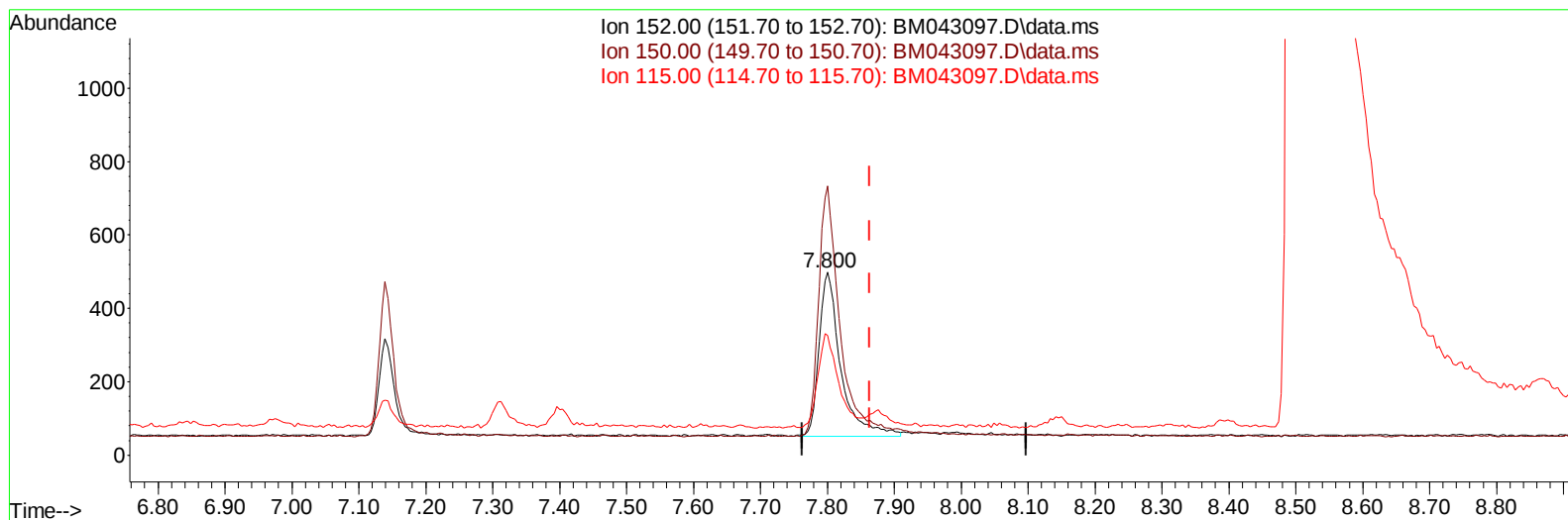
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:52 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043097.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.800min (-0.063) 0.40 ng/ul m

response 1003

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	147.19
115.00	89.60	65.46#
0.00	0.00	0.00

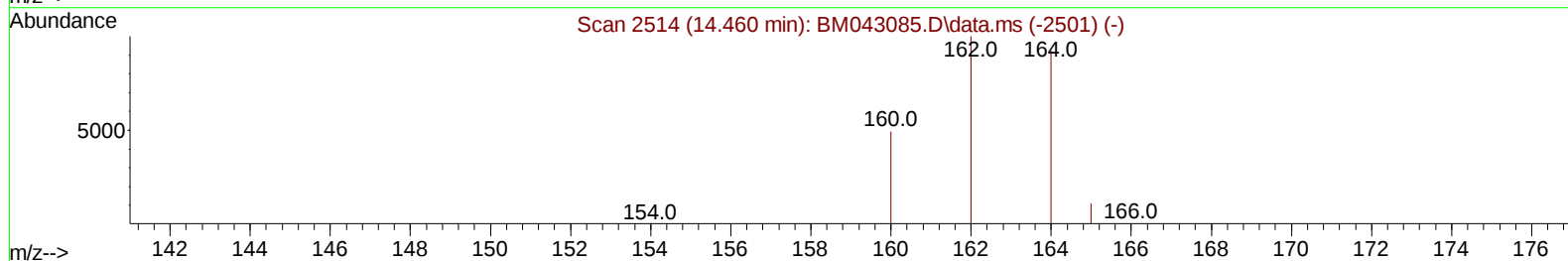
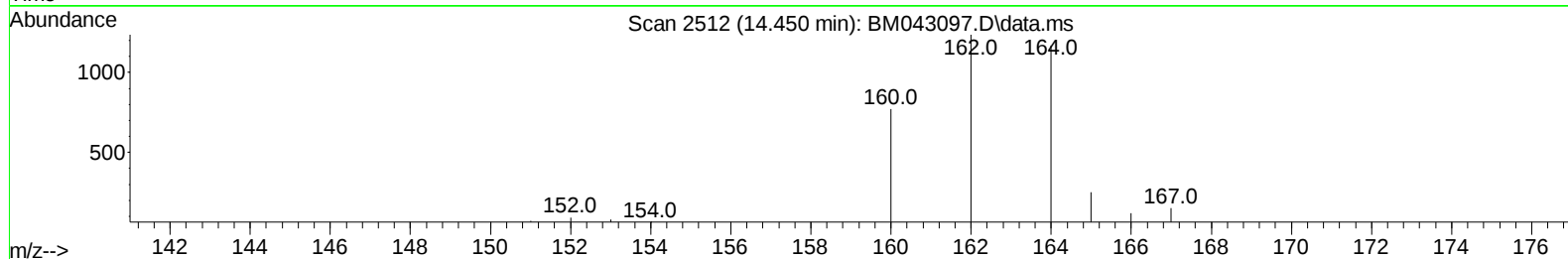
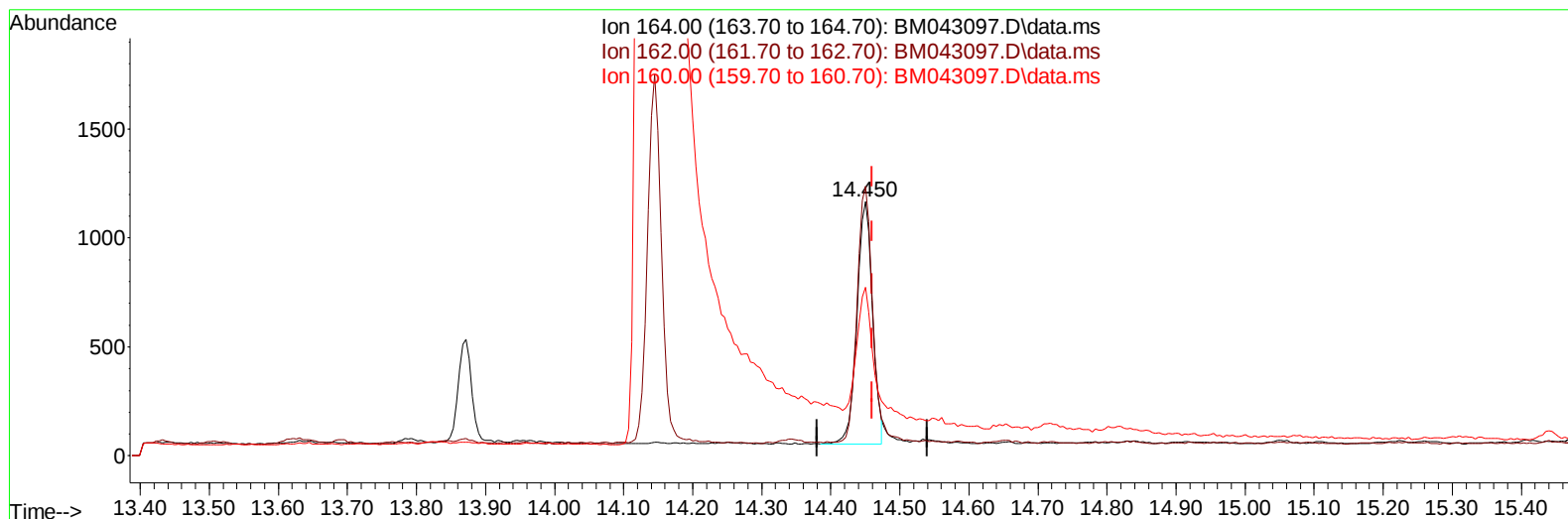
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM043097.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.010) 0.40 ng/u1

response 1730

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	105.82
160.00	57.20	66.18
0.00	0.00	0.00

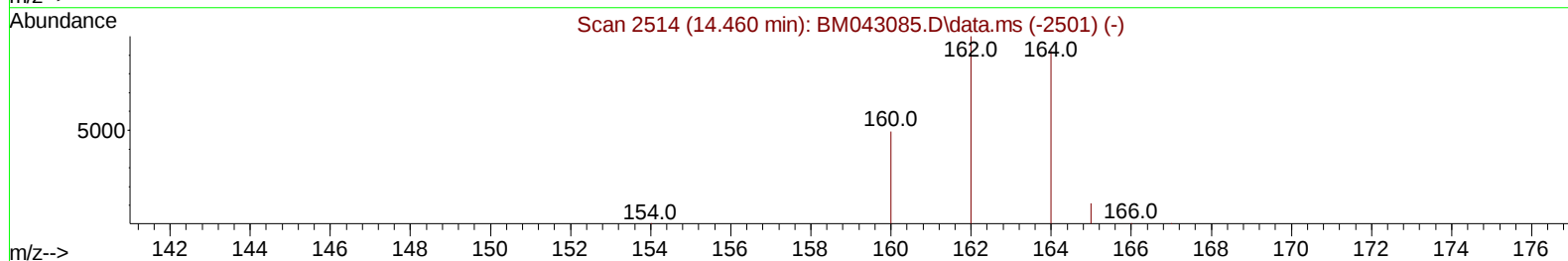
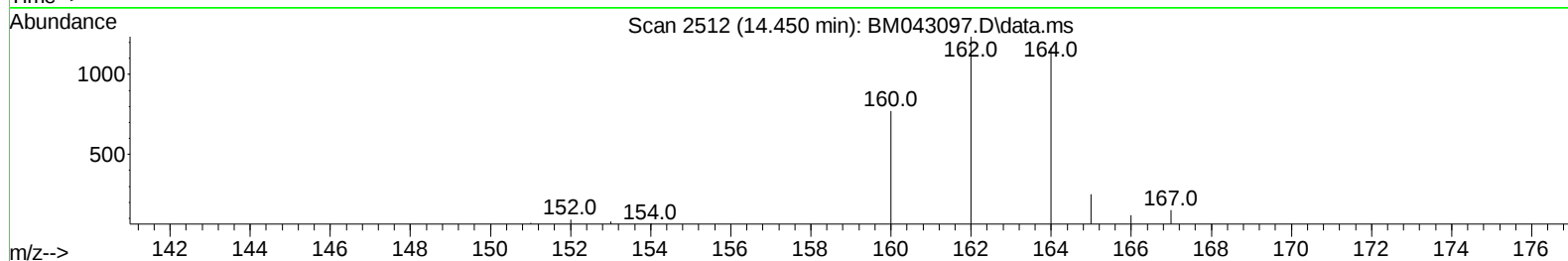
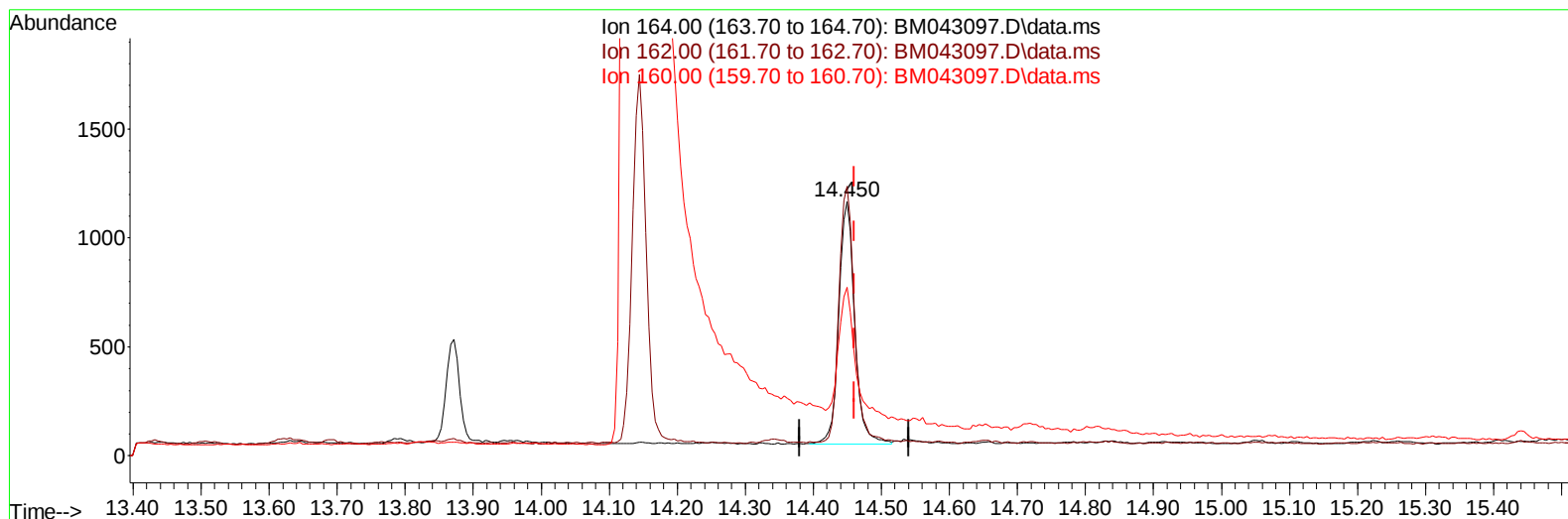
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

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TIC: BM043097.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.010) 0.40 ng/ul m

response 1814

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	105.82
160.00	57.20	66.18
0.00	0.00	0.00

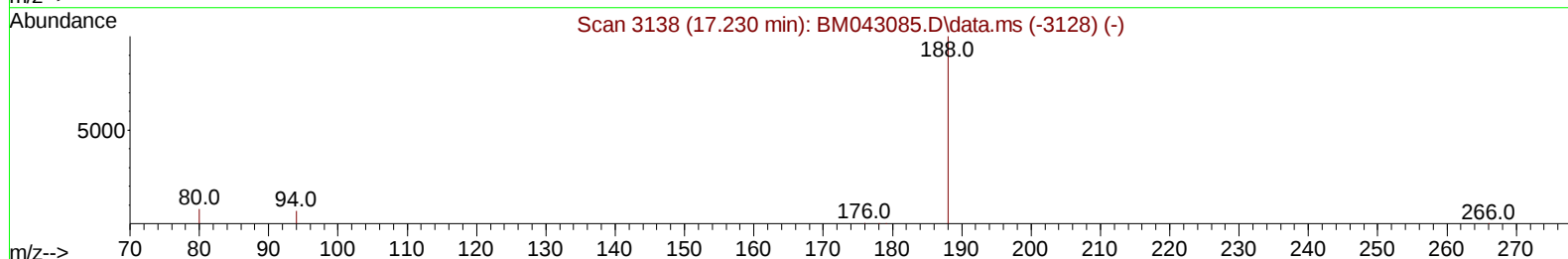
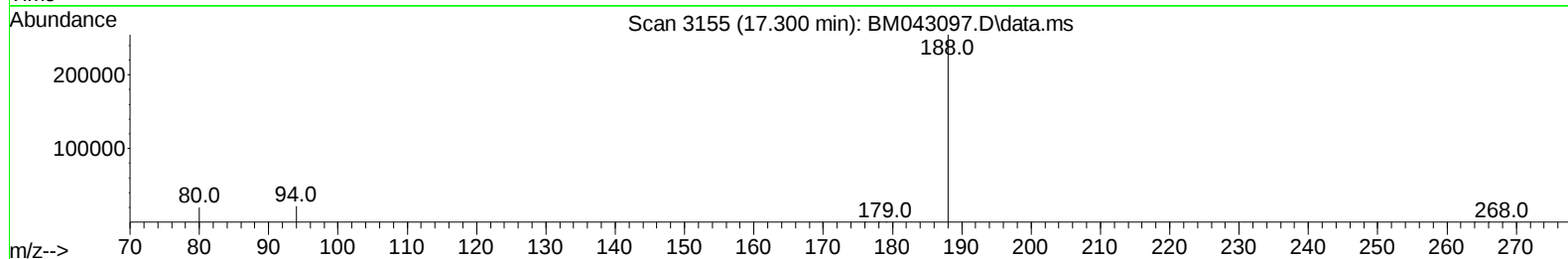
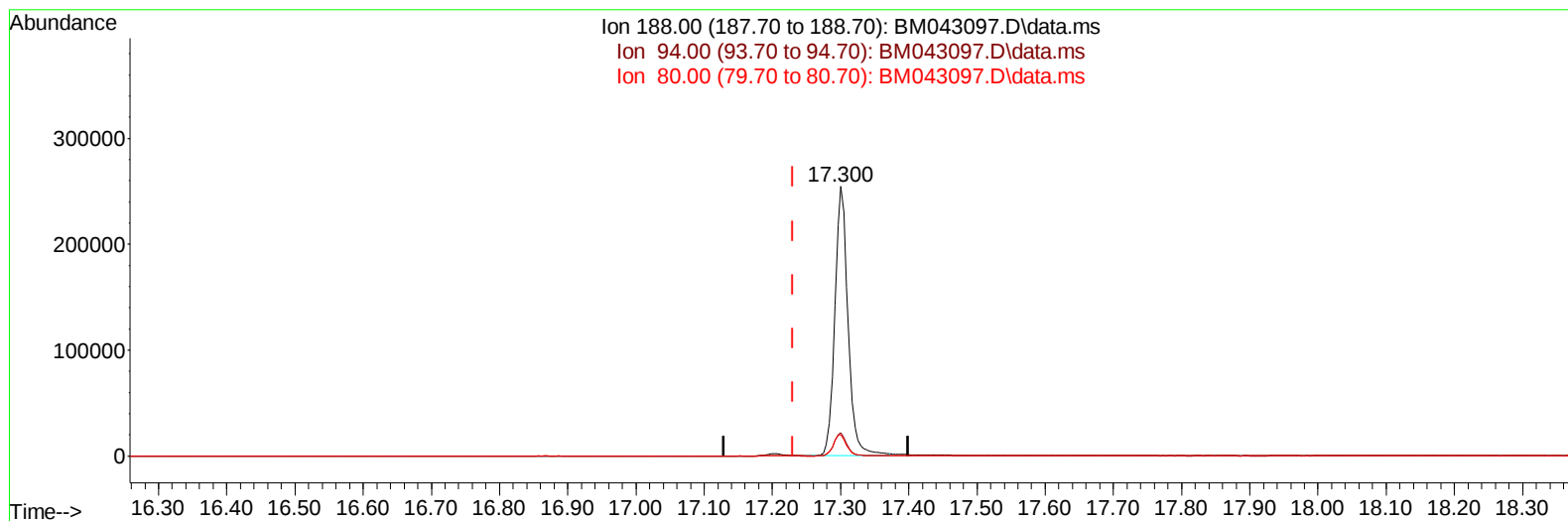
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

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TIC: BM043097.D\data.ms

(13) Phenanthrene-d10 (I)

17.300min (+ 0.071) 0.40 ng/u1

response 343703

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	8.58#
80.00	12.70	7.97#
0.00	0.00	0.00

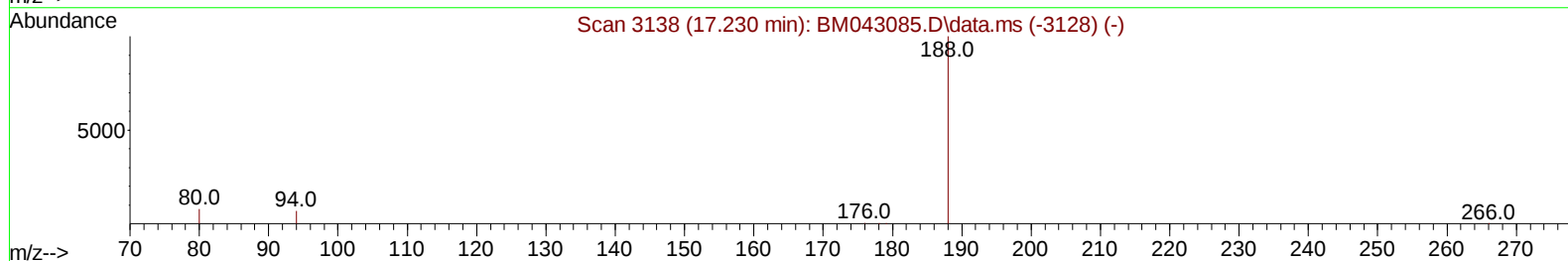
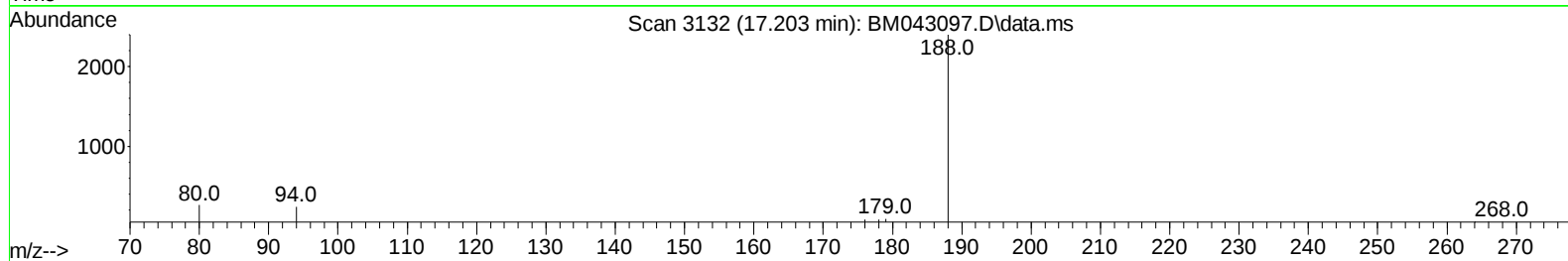
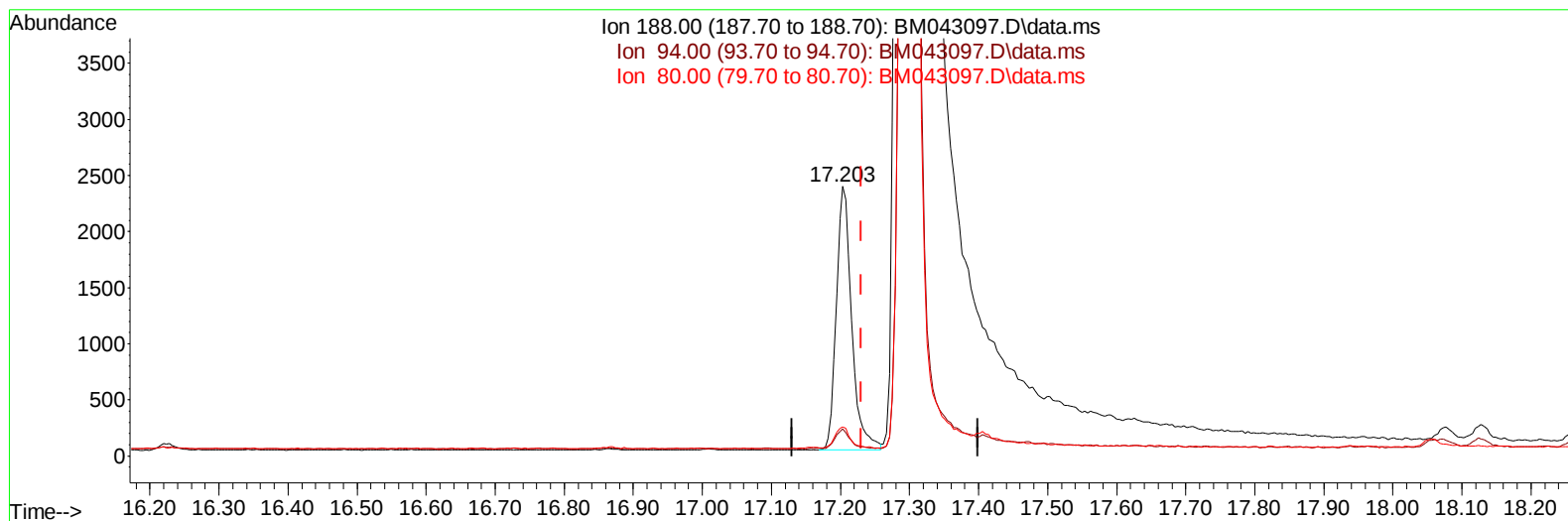
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:52 2023
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Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043097.D\data.ms

(13) Phenanthrene-d10 (I)

17.203min (-0.027) 0.40 ng/ul m

response 3631

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	10.16
80.00	12.70	10.87
0.00	0.00	0.00

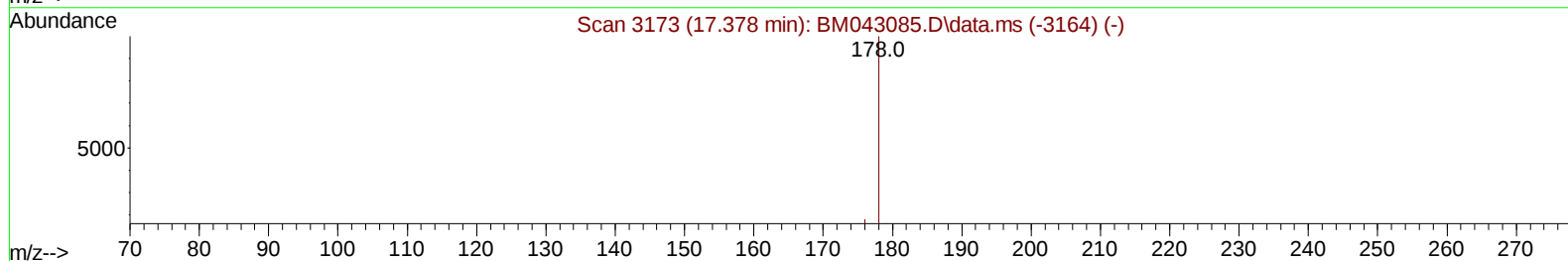
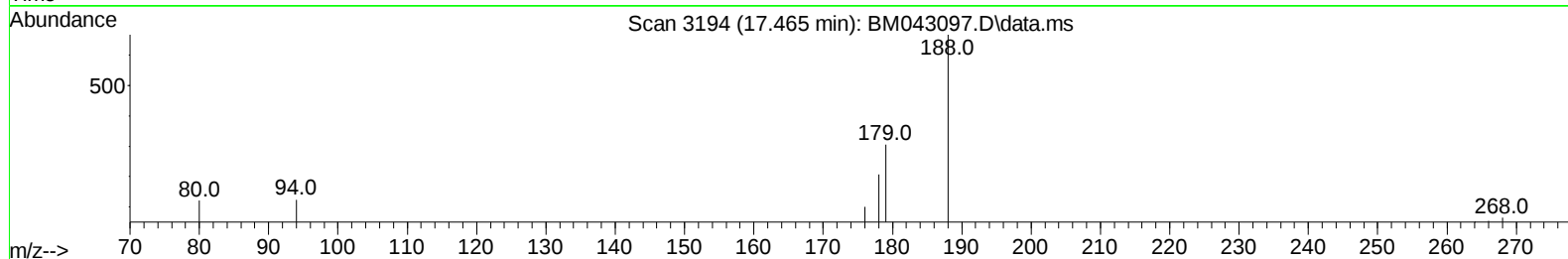
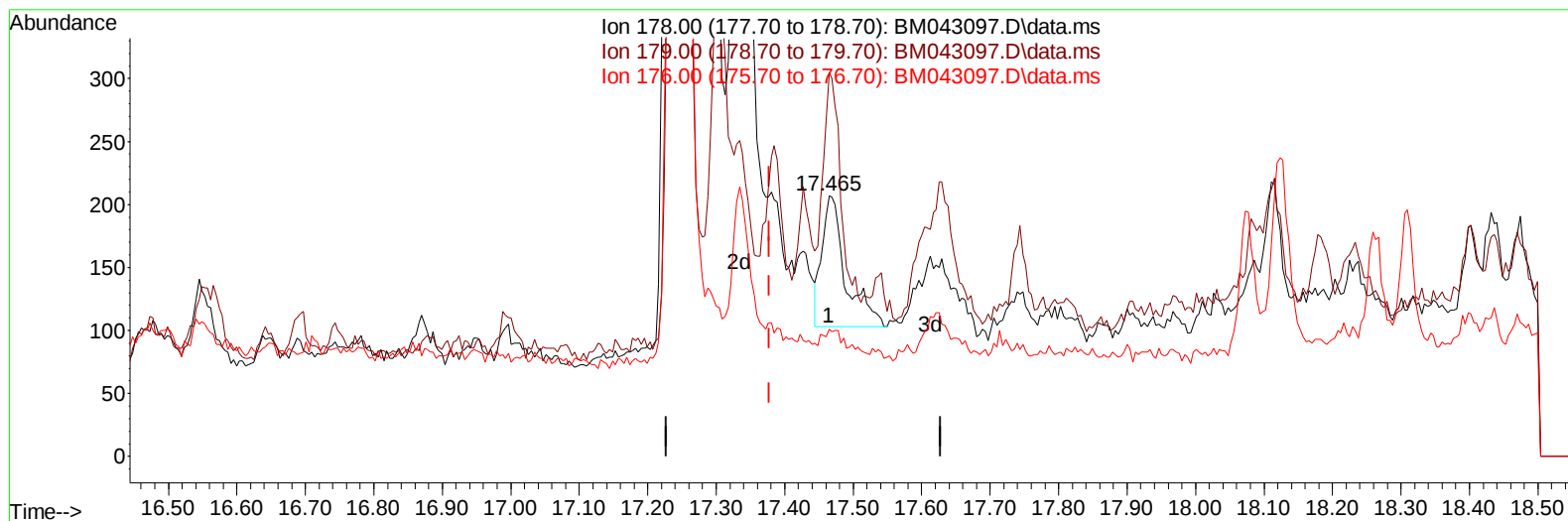
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

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TIC: BM043097.D\data.ms

(16) Anthracene

17.465min (+ 0.087) 0.03 ng/u1

response 249

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	21.60	147.34#
176.00	25.60	48.79#
0.00	0.00	0.00

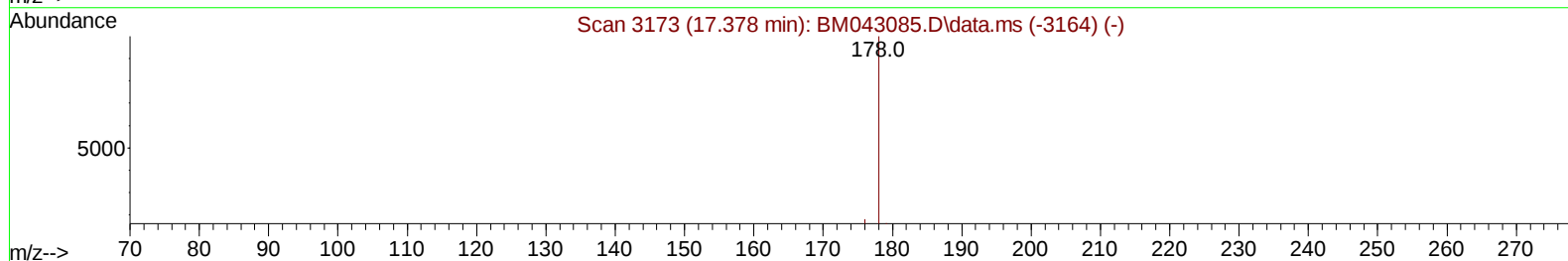
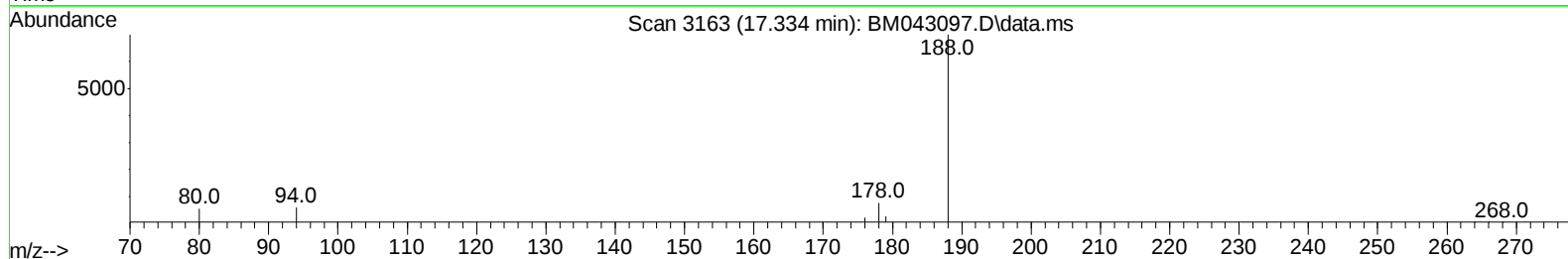
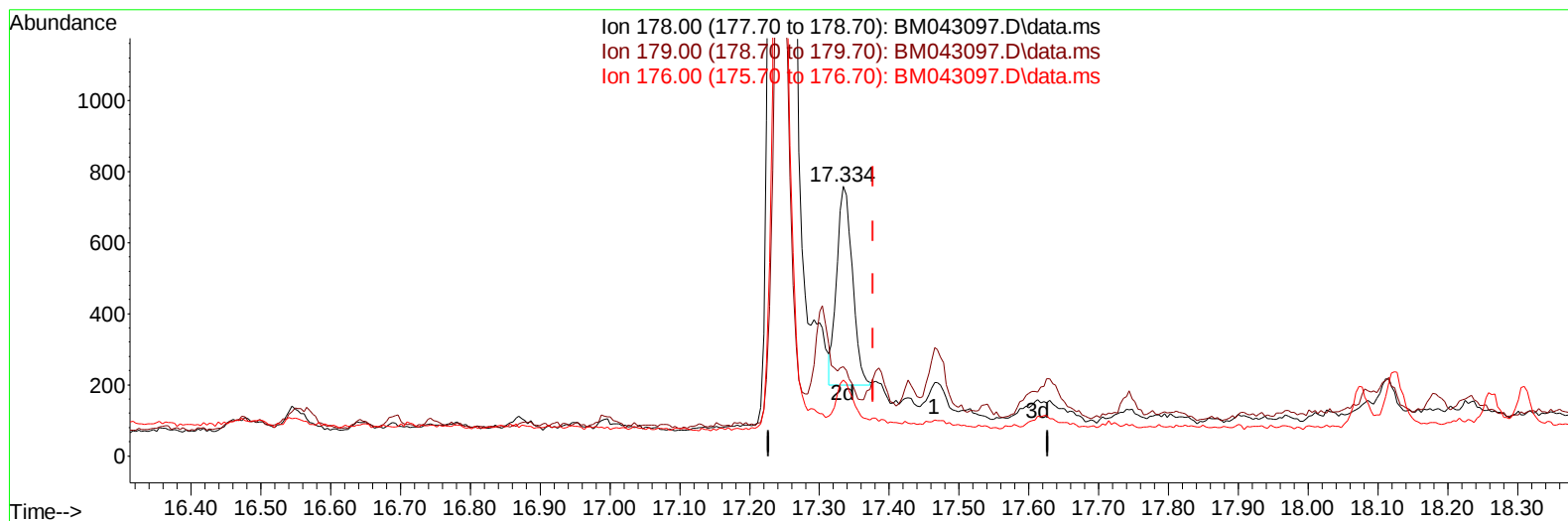
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043097.D\data.ms

(16) Anthracene

17.334min (-0.043) 0.09 ng/ul m

response 866

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	21.60	33.11#
176.00	25.60	28.23
0.00	0.00	0.00

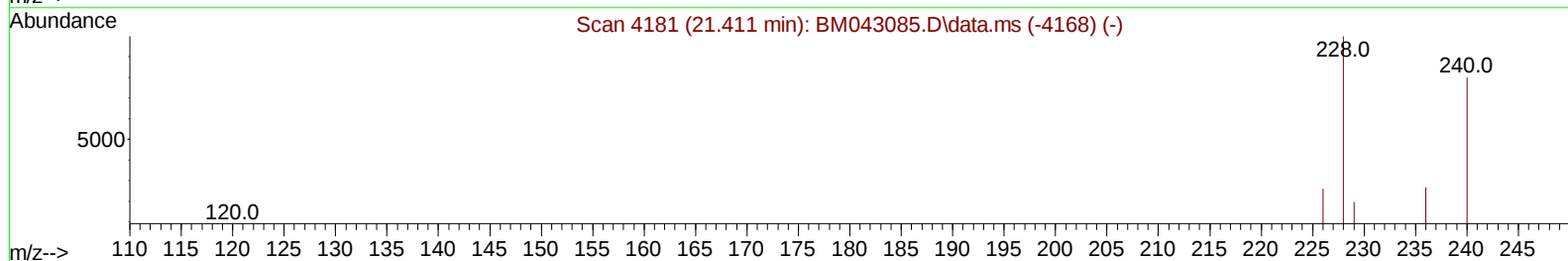
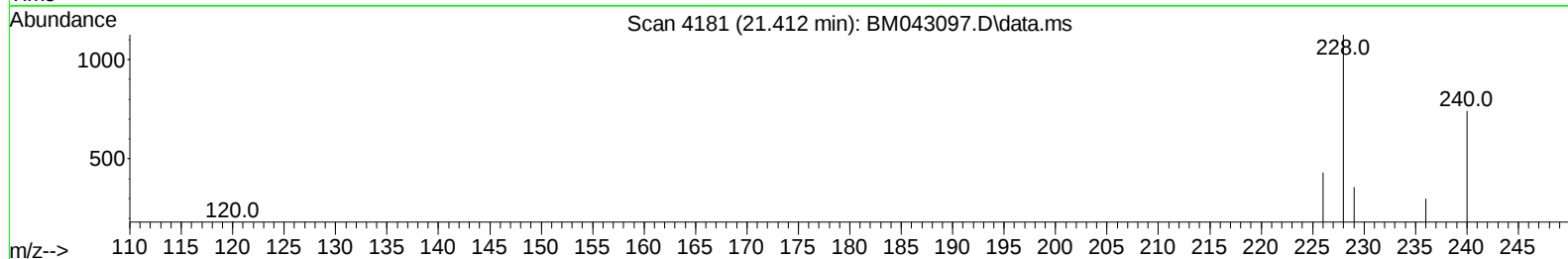
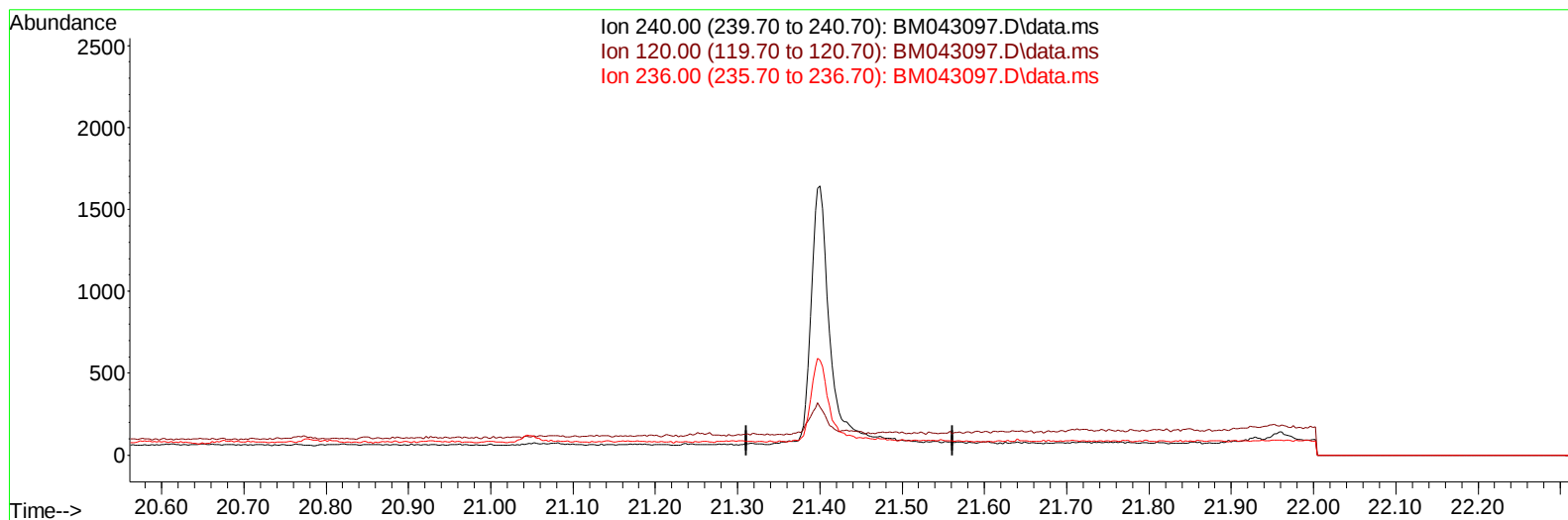
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043097.D
Acq On : 30 Nov 2023 22:29
Operator : MA/JU
Sample : 05449-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:52 2023
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TIC: BM043097.D\data.ms

(17) Chrysene-d12

21.411min (-21.411) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	22.80	0.00#
236.00	38.50	0.00#
0.00	0.00	0.00

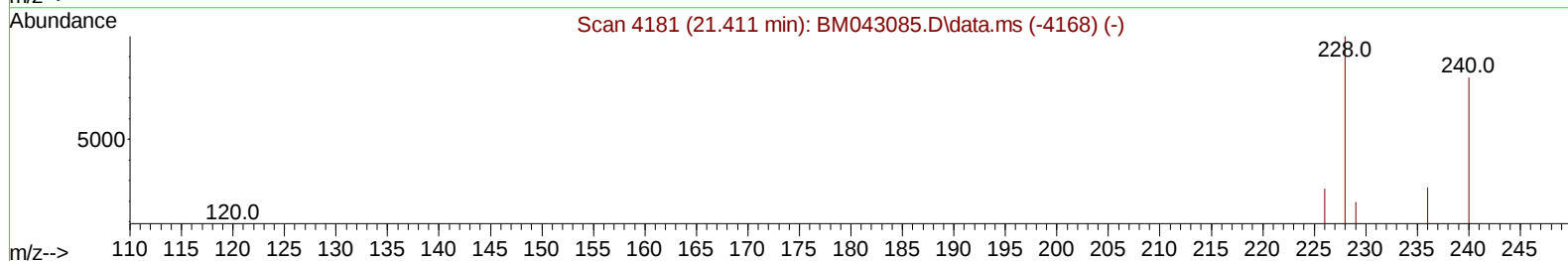
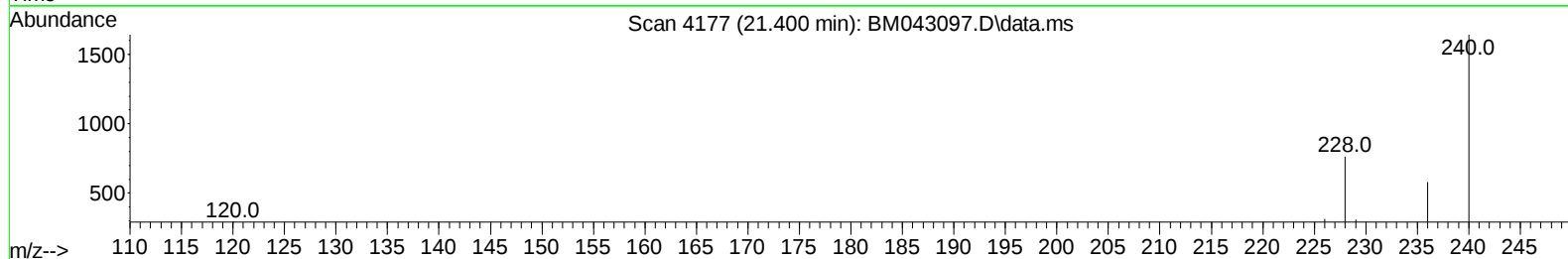
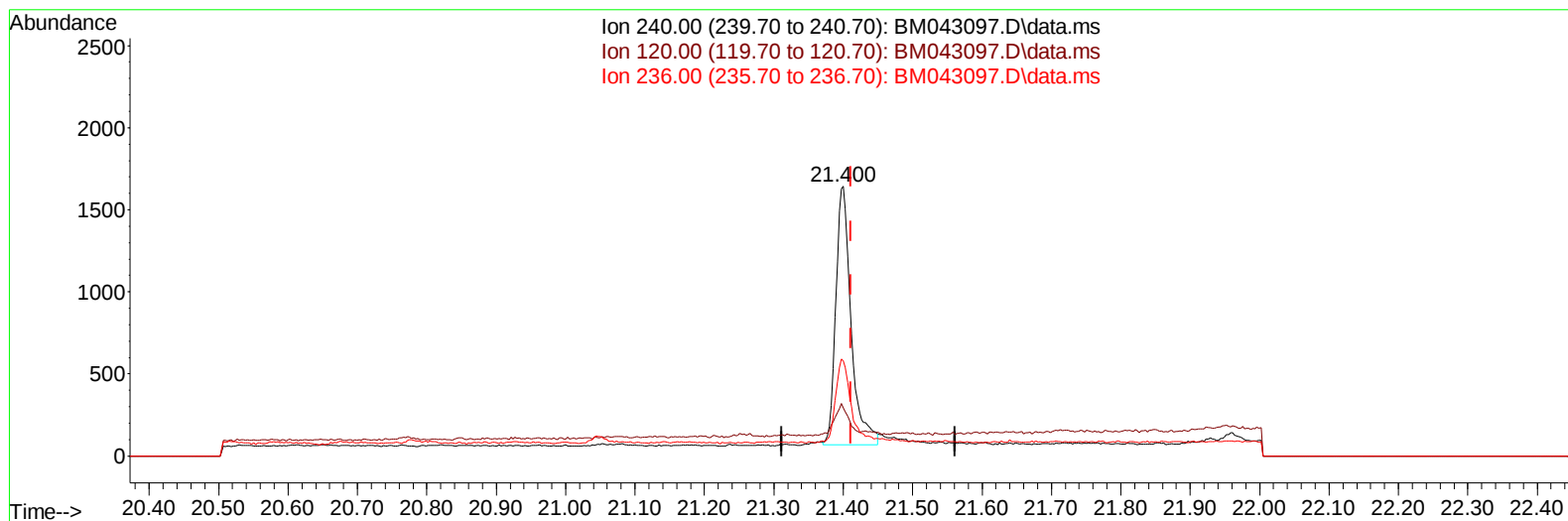
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043097.D
Acq On : 30 Nov 2023 22:29
Operator : MA/JU
Sample : 05449-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ3

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:52 2023
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TIC: BM043097.D\data.ms

(17) Chrysene-d12

21.400min (-0.011) 0.40 ng/ul m

response 2397

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	17.72#
236.00	38.50	35.32
0.00	0.00	0.00

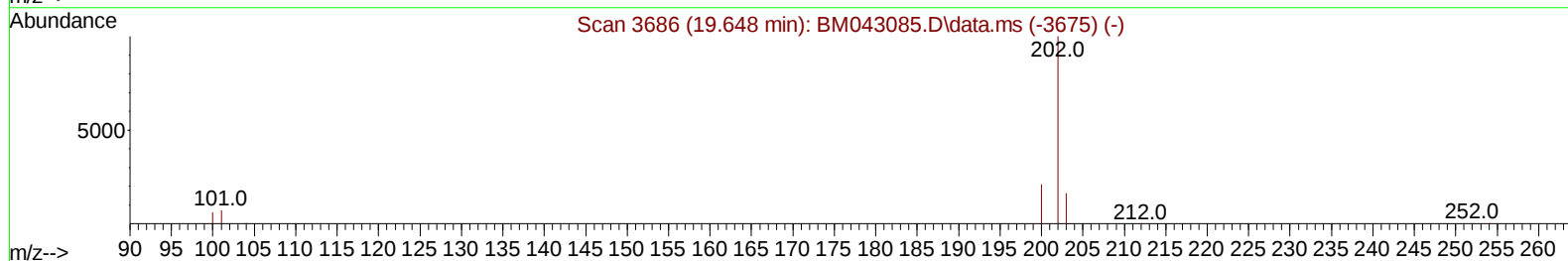
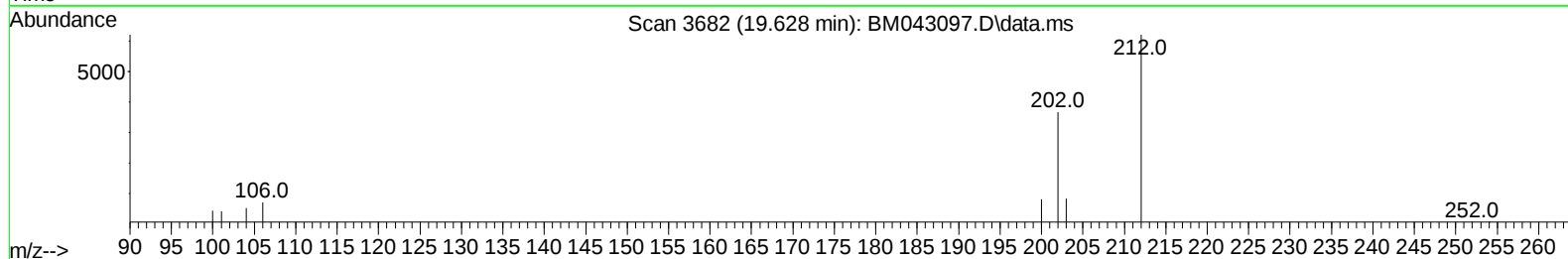
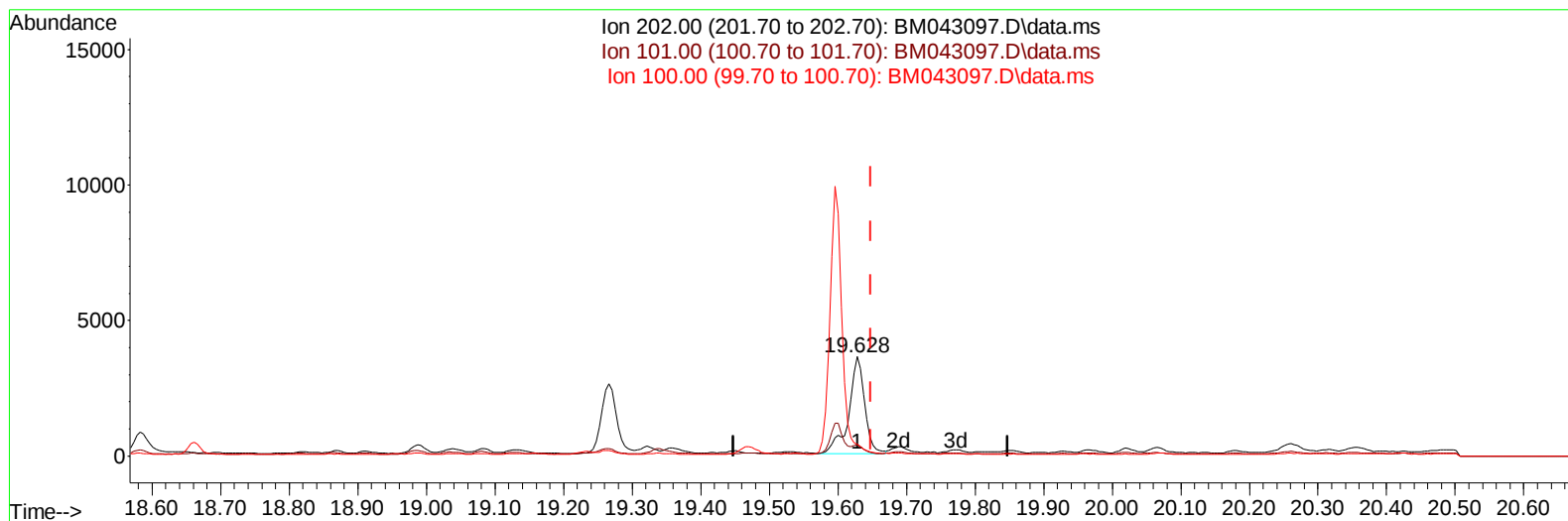
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
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 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM043097.D\data.ms

(20) Pyrene

19.628min (-0.020) 0.40 ng/u1

response 5738

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	10.90	11.18
100.00	9.80	11.81#
0.00	0.00	0.00

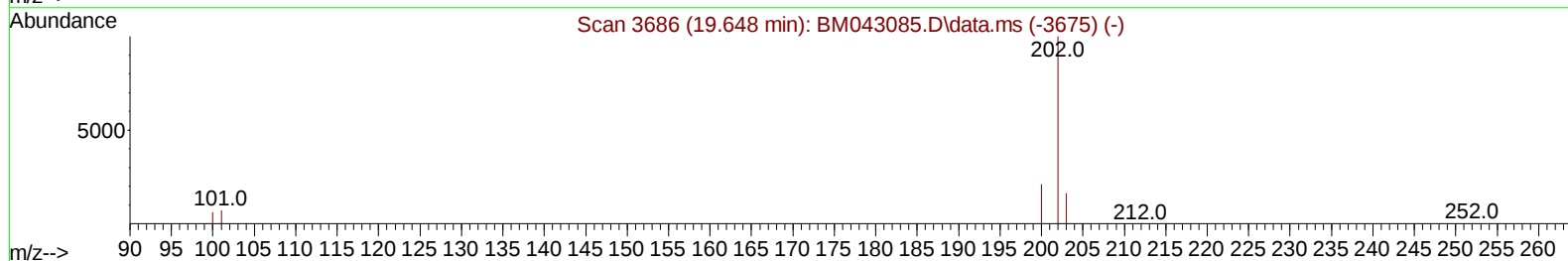
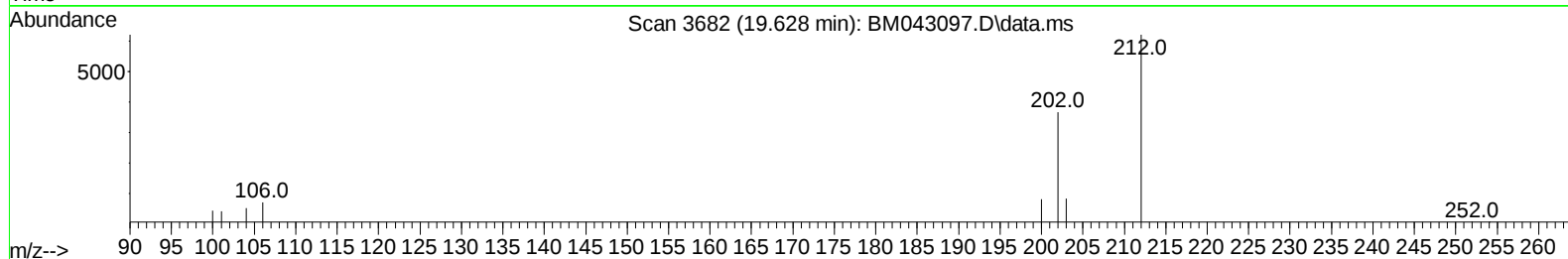
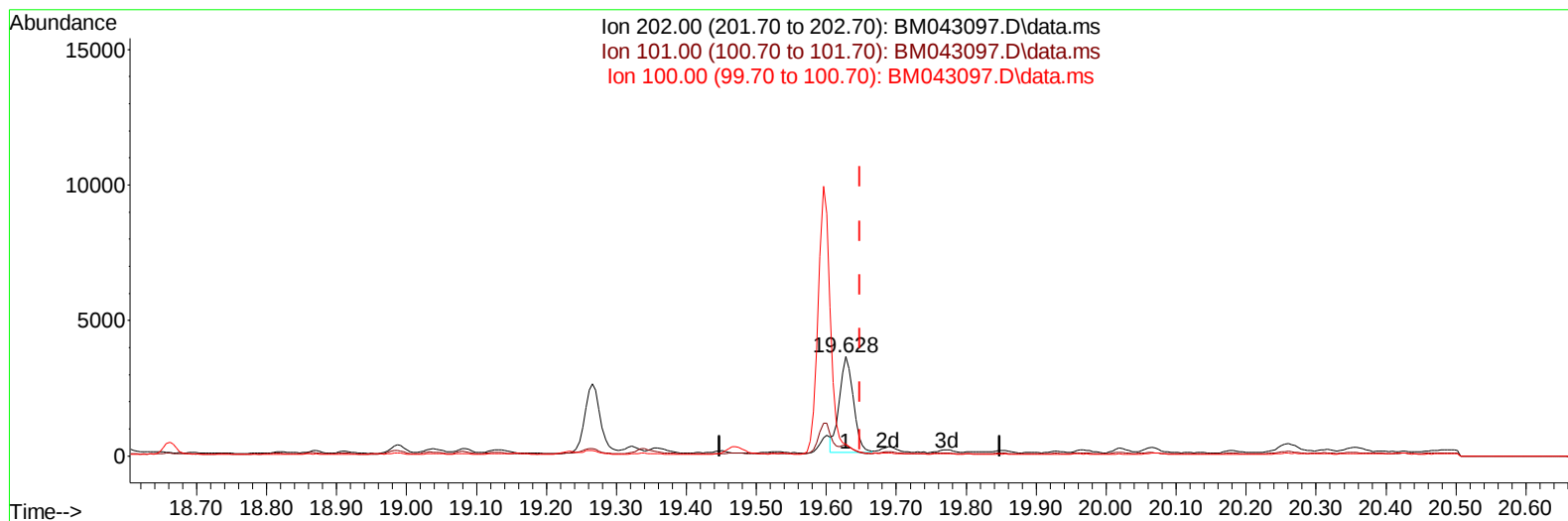
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: BM043097.D\data.ms

(20) Pyrene

19.628min (-0.020) 0.34 ng/ul m

response 4910

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	10.90	11.18
100.00	9.80	11.81#
0.00	0.00	0.00

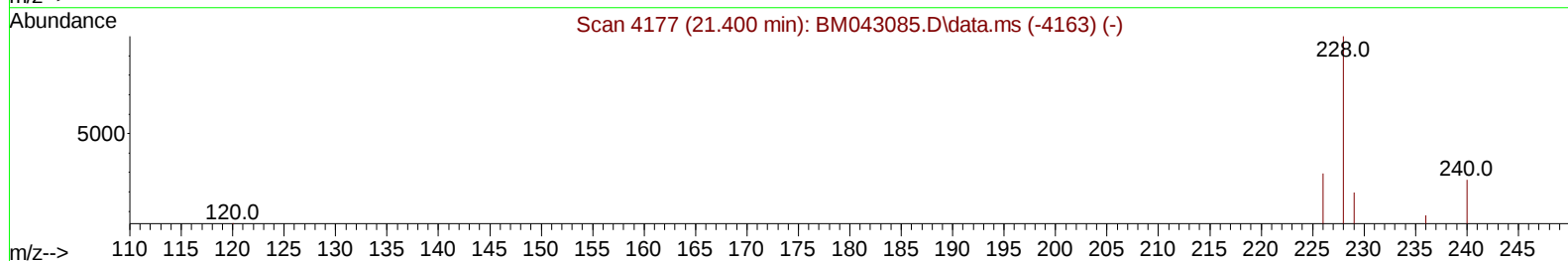
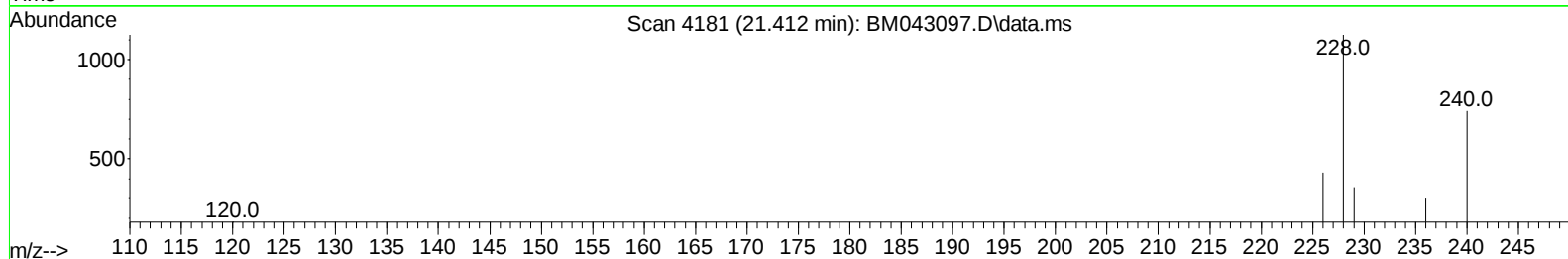
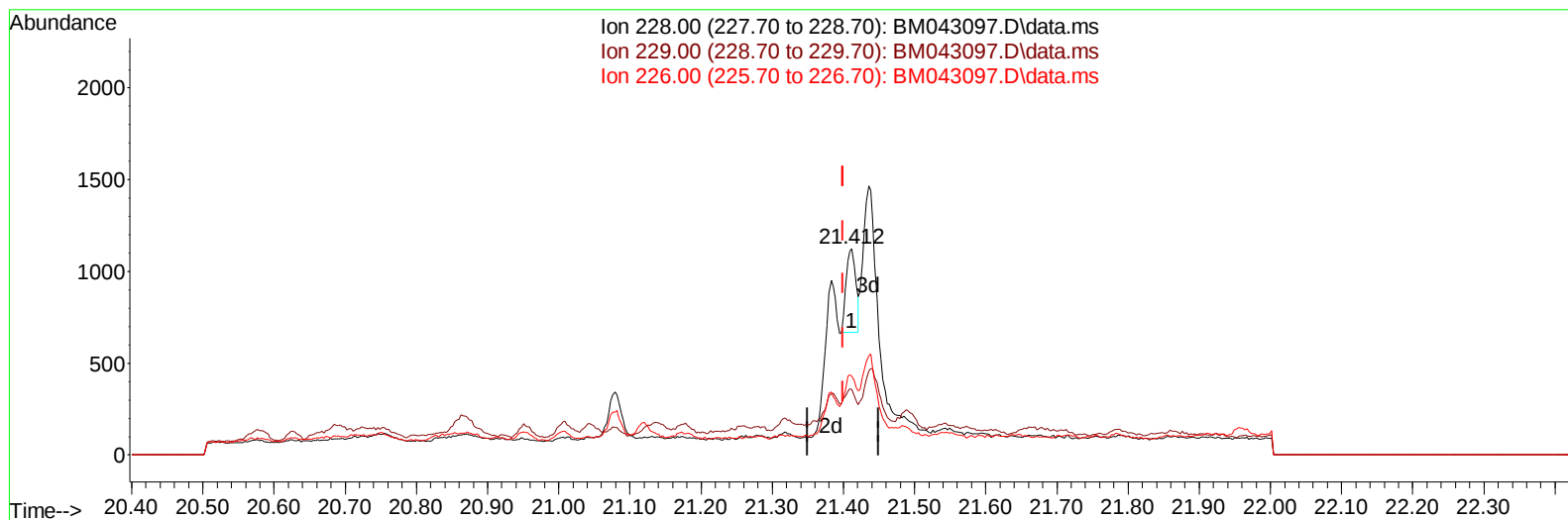
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
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 Operator : MA/JU
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 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM043097.D\data.ms

(21) Benzo(a)anthracene

21.412min (+ 0.012) 0.06 ng/u1

response 430

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	31.82#
226.00	31.10	38.31#
0.00	0.00	0.00

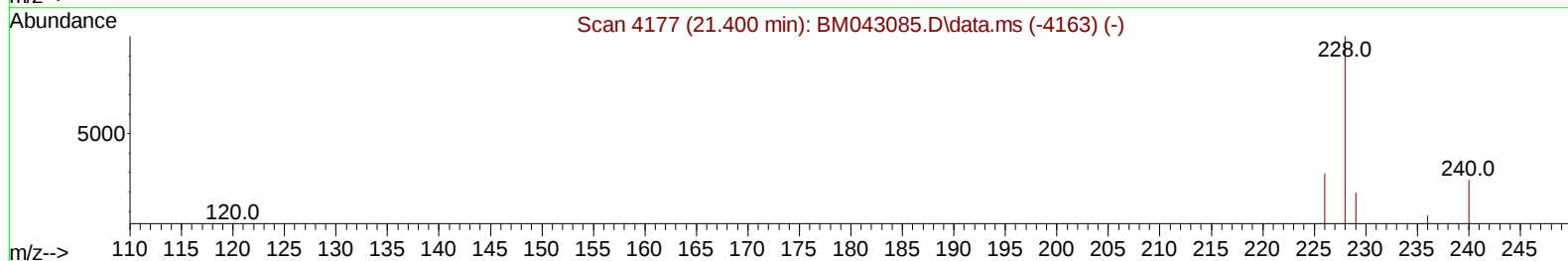
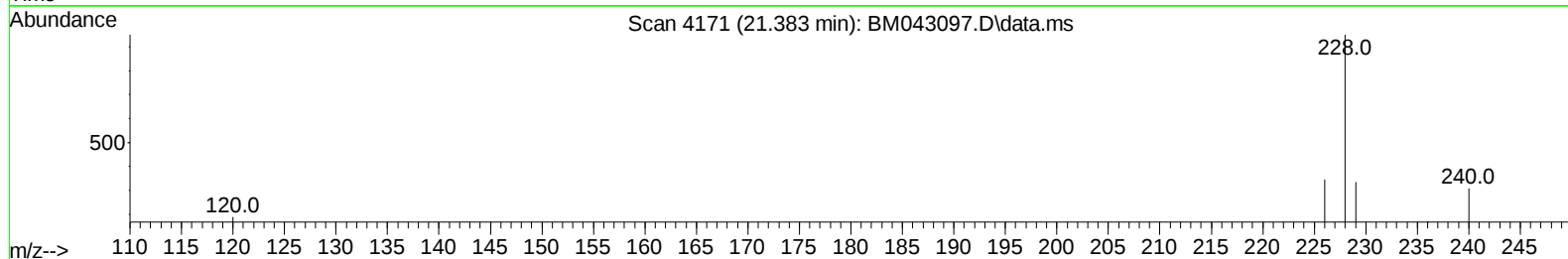
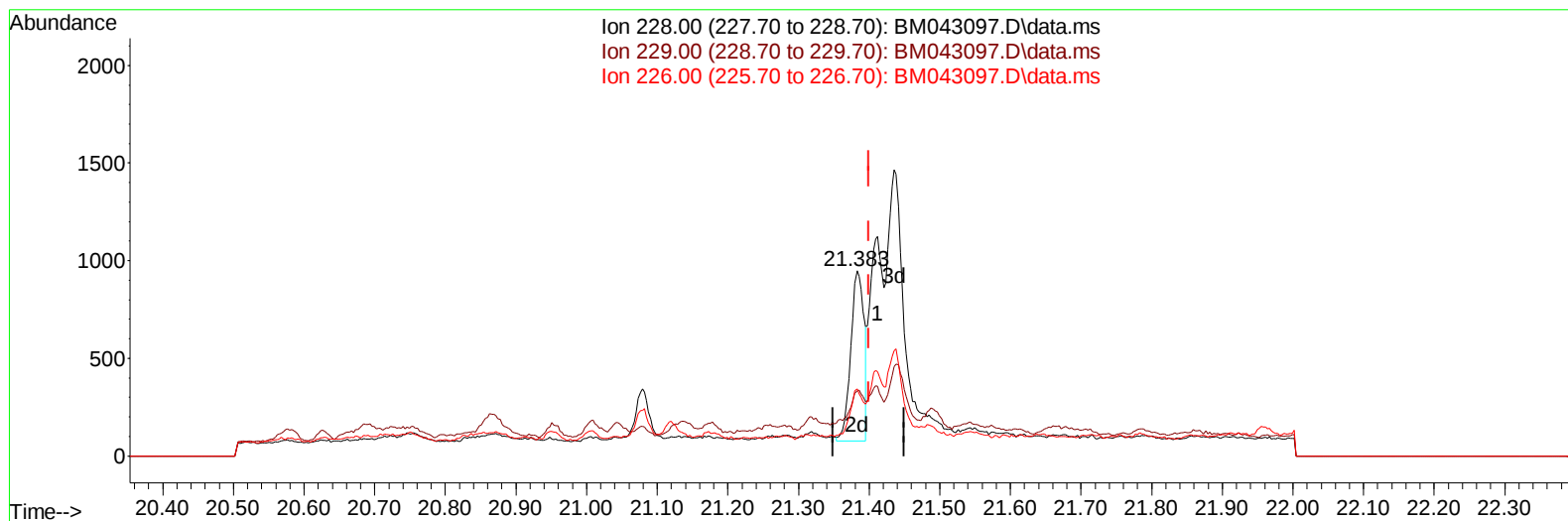
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043097.D\data.ms

(21) Benzo(a)anthracene

21.383min (-0.017) 0.14 ng/ul m

response 1120

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	35.05#
226.00	31.10	36.21
0.00	0.00	0.00

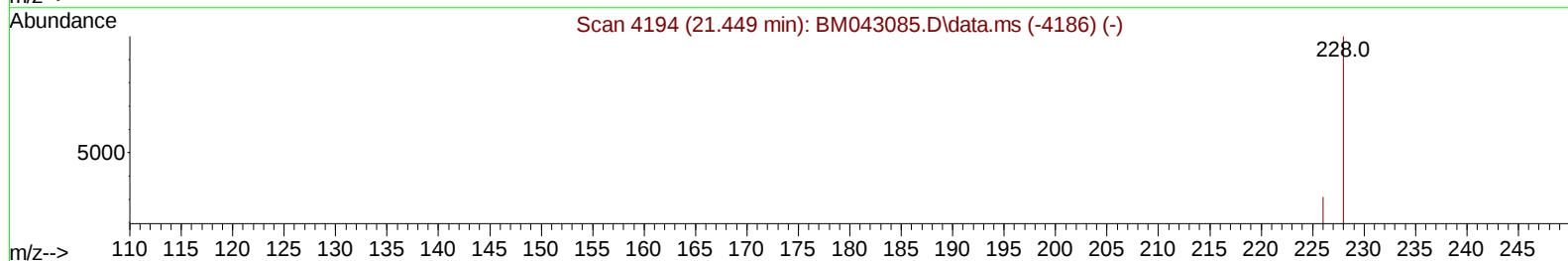
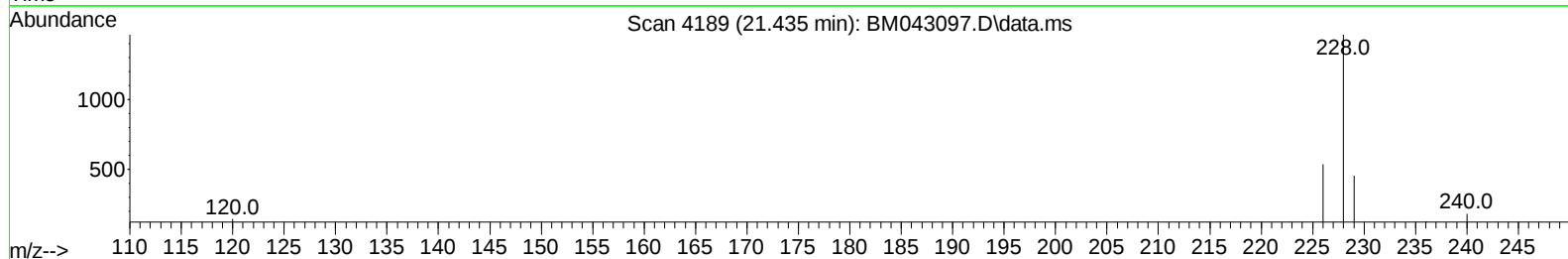
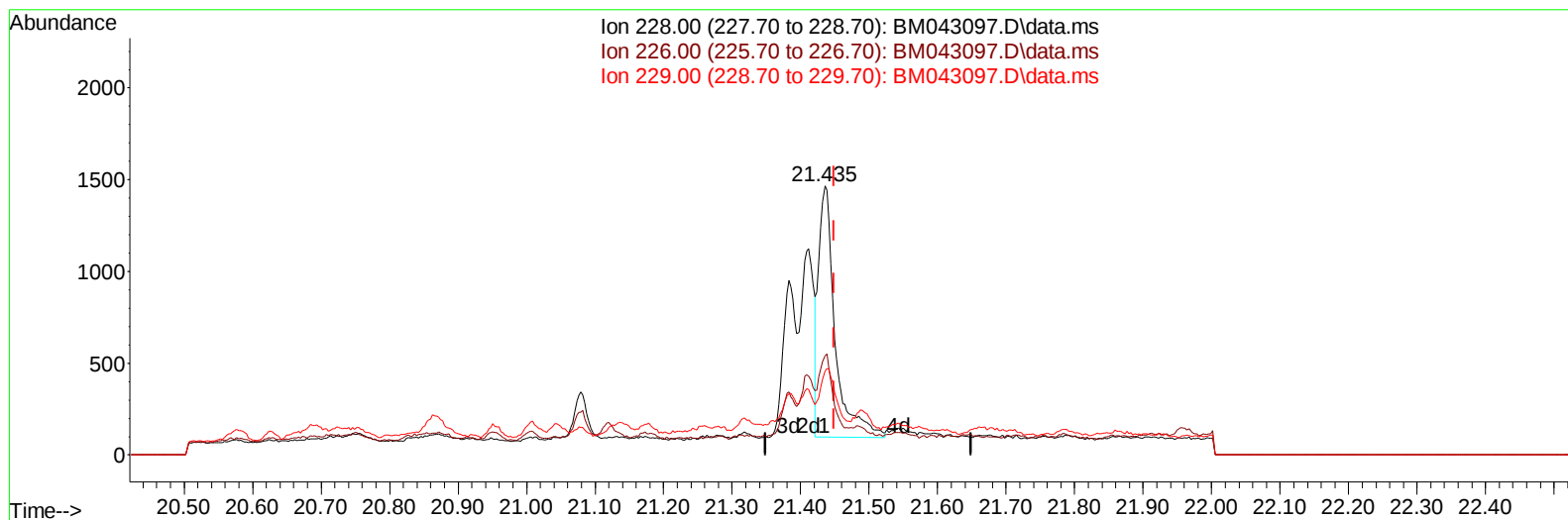
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
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TIC: BM043097.D\data.ms

(22) Chrysene

21.435min (-0.014) 0.16 ng/u1

response 2324

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	34.00	36.86
229.00	22.50	31.13#
0.00	0.00	0.00

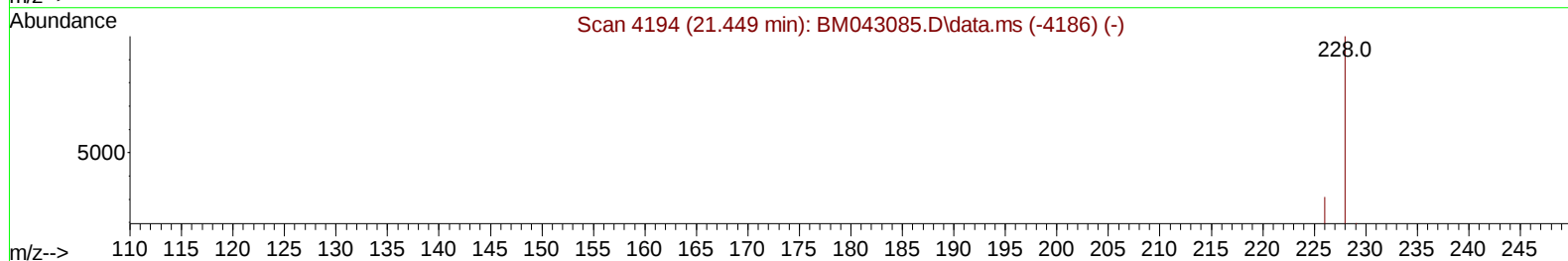
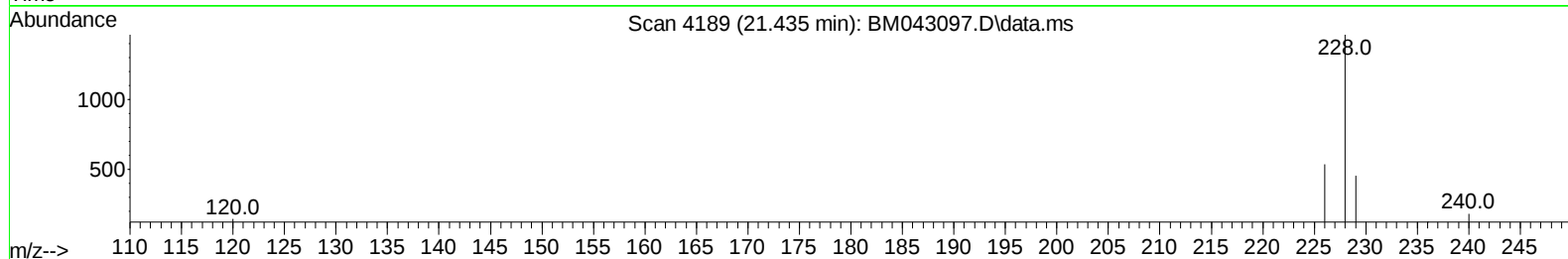
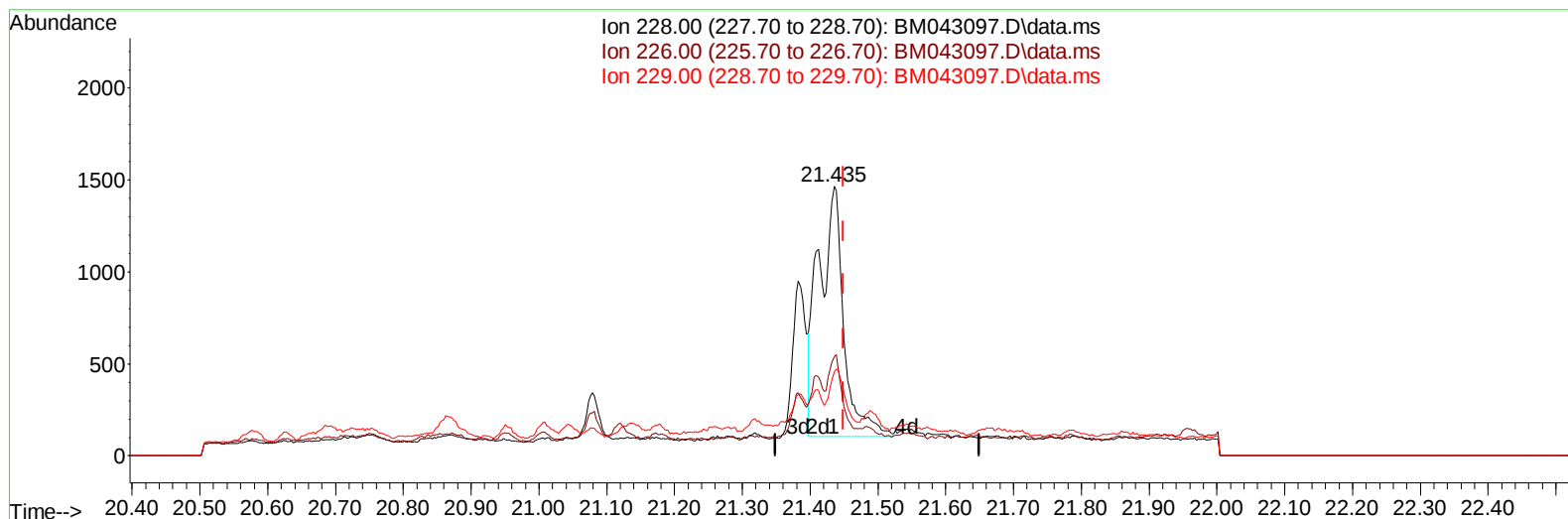
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043097.D
 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

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TIC: BM043097.D\data.ms

(22) Chrysene

21.435min (-0.014) 0.24 ng/ul m

response 3490

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	34.00	36.86
229.00	22.50	31.13#
0.00	0.00	0.00

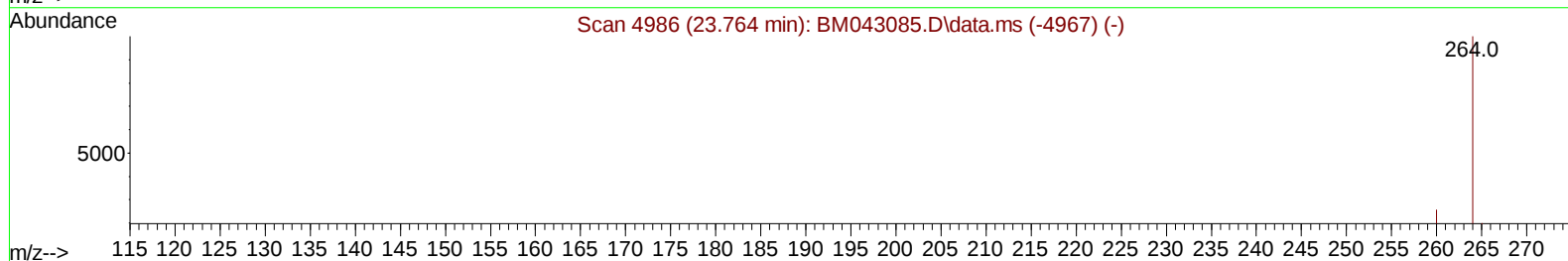
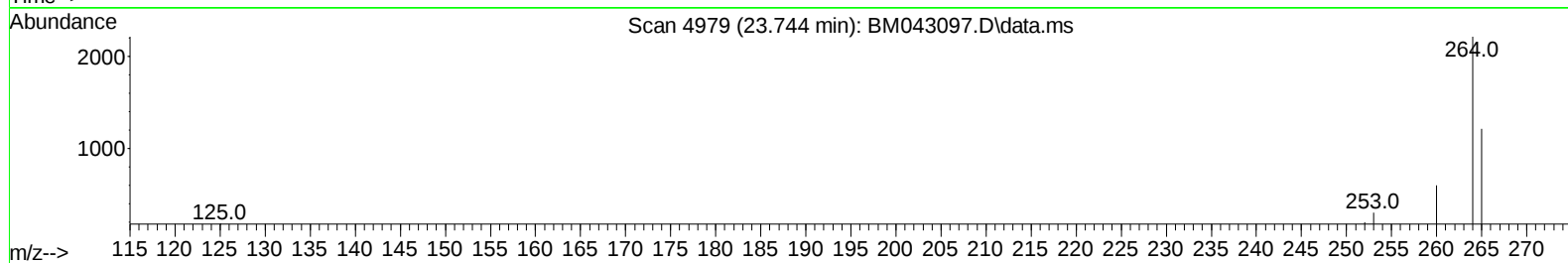
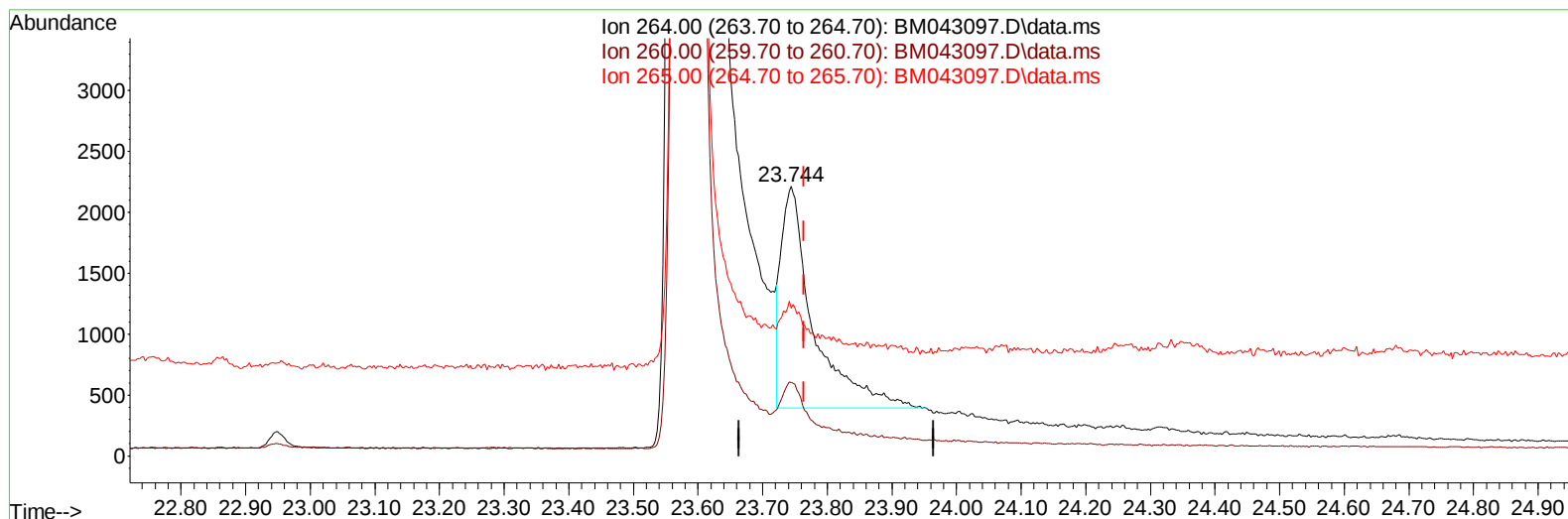
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043097.D
Acq On : 30 Nov 2023 22:29
Operator : MA/JU
Sample : 05449-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: BM043097.D\data.ms

(23) Perylene-d12 (I)

23.744min (-0.020) 0.40 ng/u1

response 6305

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	27.31
265.00	120.30	54.84#
0.00	0.00	0.00

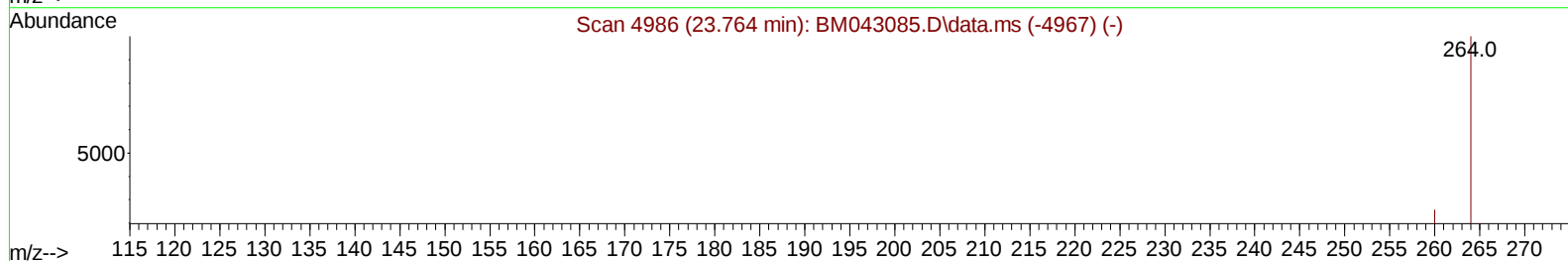
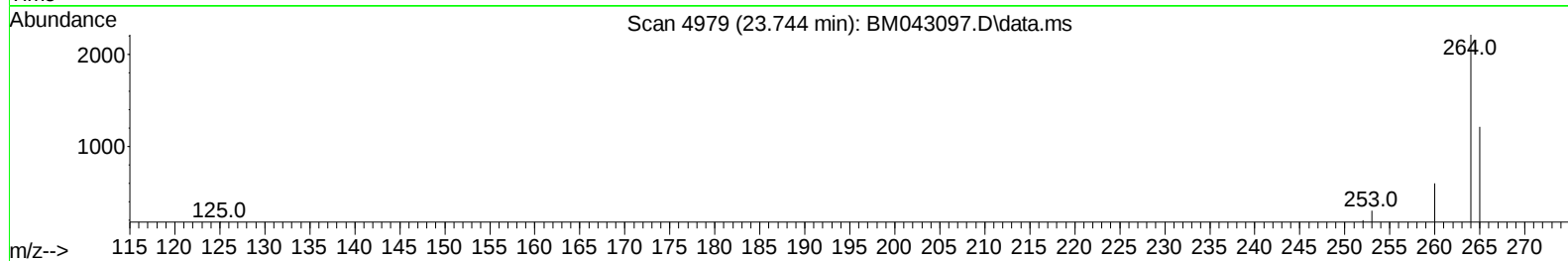
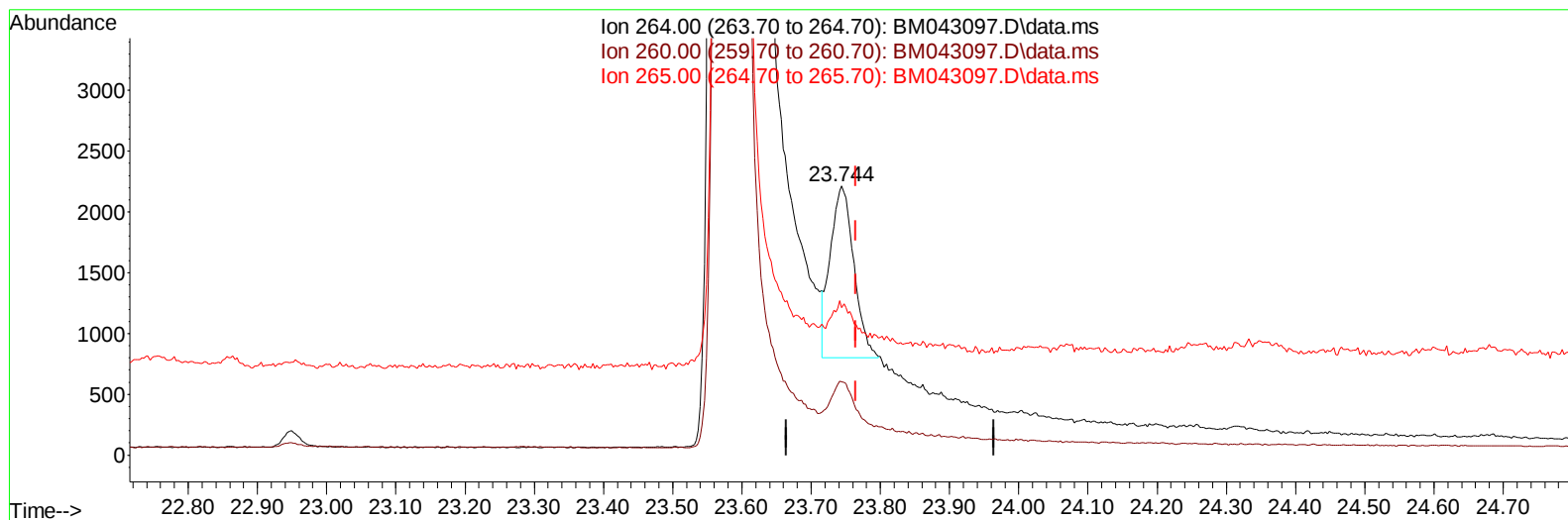
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 Sample : 05449-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ3

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043097.D\data.ms

(23) Perylene-d12 (I)

23.744min (-0.020) 0.40 ng/ul m

response 3356

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	27.31
265.00	120.30	54.84#
0.00	0.00	0.00

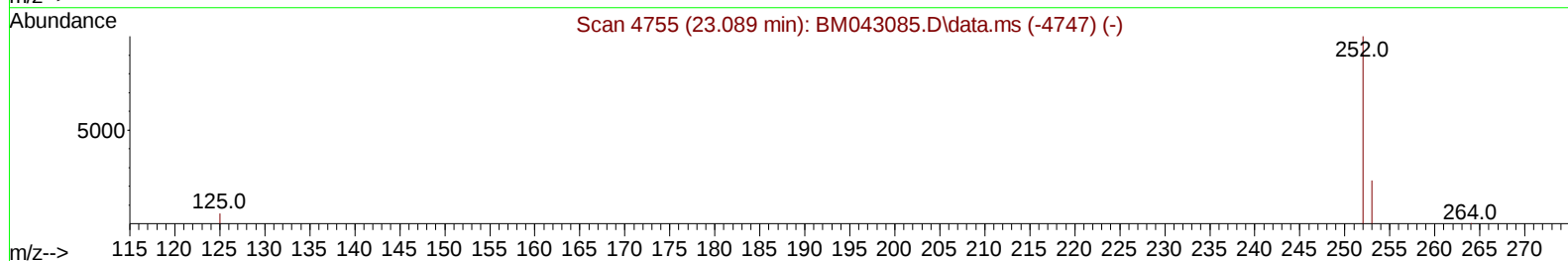
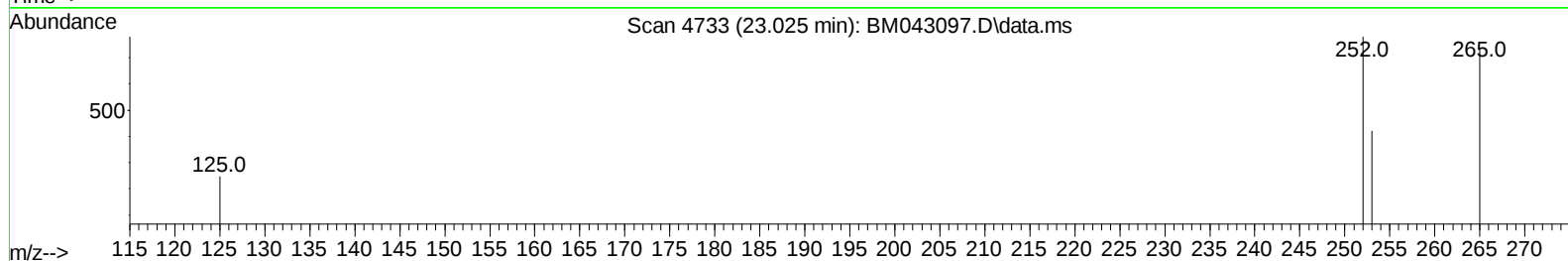
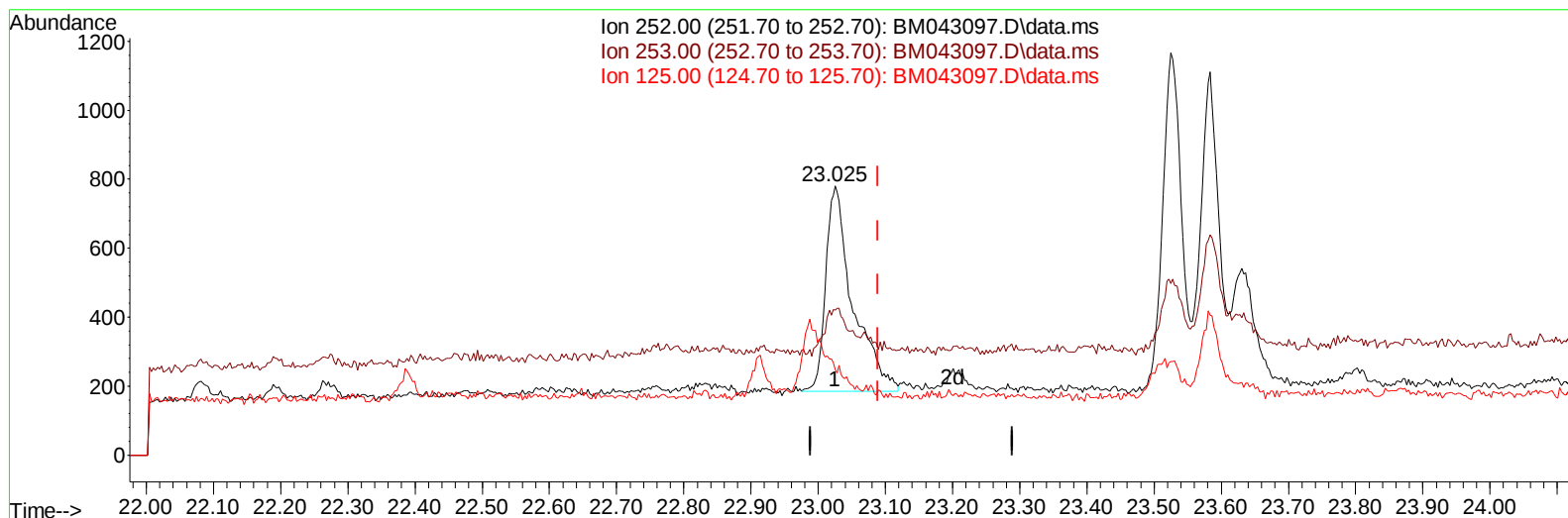
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 Operator : MA/JU
 Sample : 05449-09
 Misc :
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Instrument :
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 ClientSampleId :
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TIC: BM043097.D\data.ms

(25) Benzo(k)fluoranthene

23.025min (-0.064) 0.11 ng/u1

response 1670

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	53.97#
125.00	13.80	31.67#
0.00	0.00	0.00

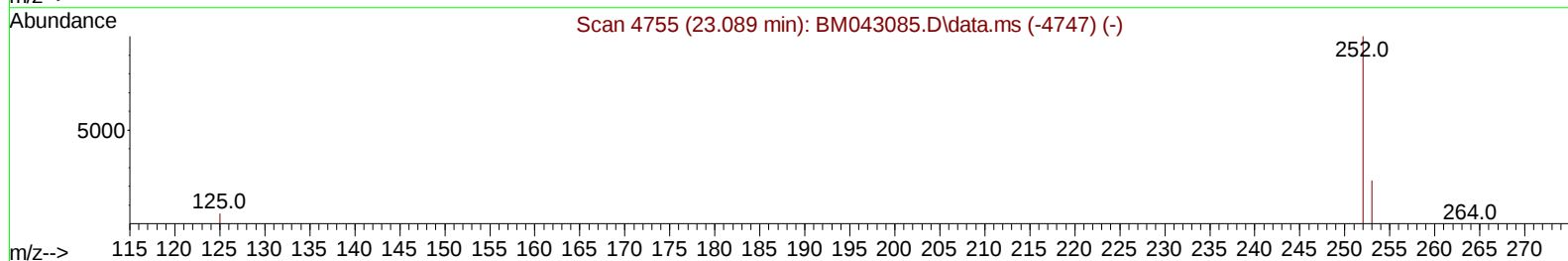
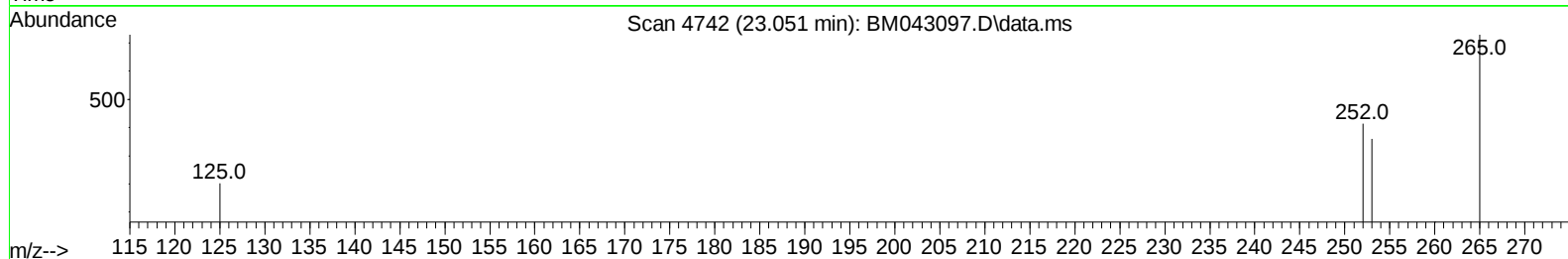
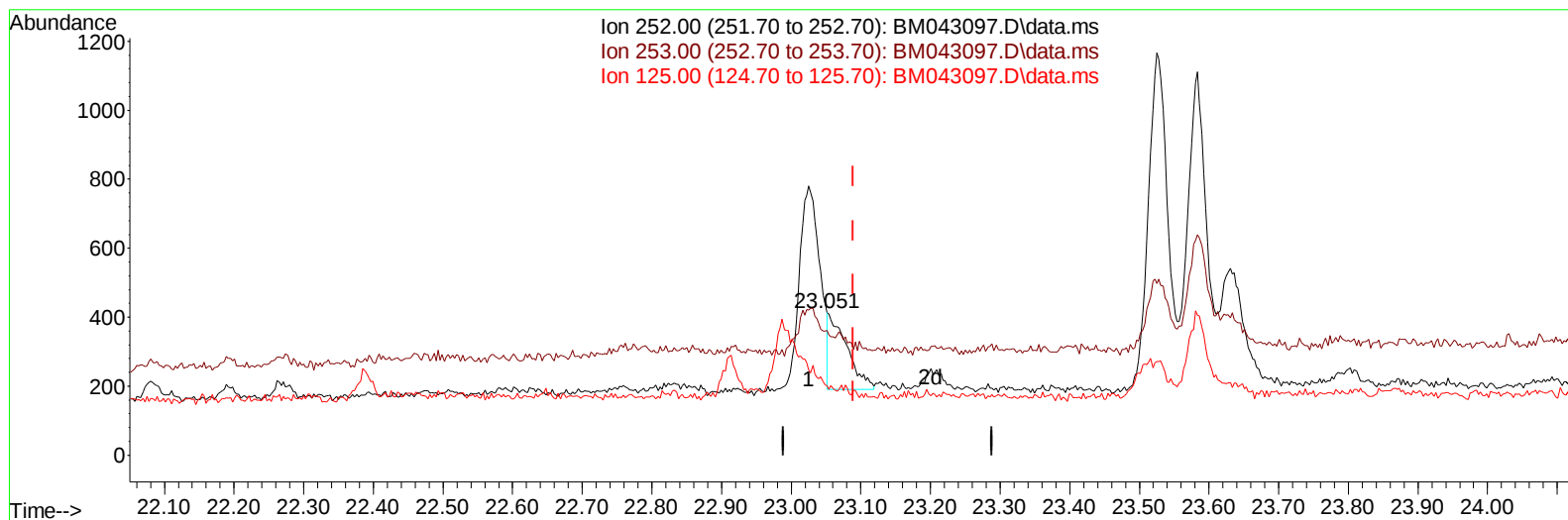
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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Acq On : 30 Nov 2023 22:29
Operator : MA/JU
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM043097.D\data.ms

(25) Benzo(k)fluoranthene

23.051min (-0.037) 0.03 ng/u1 m

response 409

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	87.41#
125.00	13.80	48.91#
0.00	0.00	0.00

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 Acq On : 30 Nov 2023 22:29
 Operator : MA/JU
 Sample : 05449-09
 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	7.800	152	1003m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.600	136	2851	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.450	164	1814m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.203	188	3631m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.400	240	2397m	0.400	ng/ul	-0.01
23) Perylene-d12	23.744	264	3356m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.155	96	5884	3.823	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.200	152	1834	0.481	ng/ul	-0.03
18) Fluoranthene-d10	19.233	212	4566	0.523	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.649	128	7965	1.028	ng/ul#	84
7) 2-Methylnaphthalene	12.271	142	7433	1.626	ng/ul	95
8) 1-Methylnaphthalene	12.491	142	5315	1.043	ng/ul	97
11) Acenaphthene	14.519	153	218	0.031	ng/ul#	78
12) Fluorene	15.500	166	316	0.044	ng/ul#	82
15) Phenanthrene	17.245	178	16258	1.569	ng/ul	92
16) Anthracene	17.334	178	866m	0.088	ng/ul	
19) Fluoranthene	19.266	202	4028	0.296	ng/ul	98
20) Pyrene	19.628	202	4910m	0.340	ng/ul	
21) Benzo(a)anthracene	21.383	228	1120m	0.144	ng/ul	
22) Chrysene	21.435	228	3490m	0.241	ng/ul	
24) Benzo(b)fluoranthene	23.025	252	1280	0.113	ng/ul#	66
25) Benzo(k)fluoranthene	23.051	252	409m	0.026	ng/ul	
26) Benzo(a)pyrene	23.630	252	726	0.059	ng/ul#	58
29) Benzo(g,h,i)perylene	26.970	276	1133	0.070	ng/ul#	84

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

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