

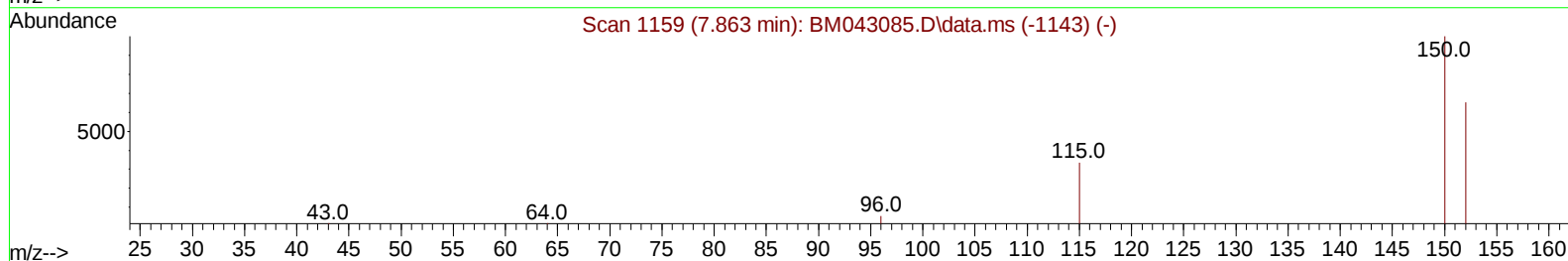
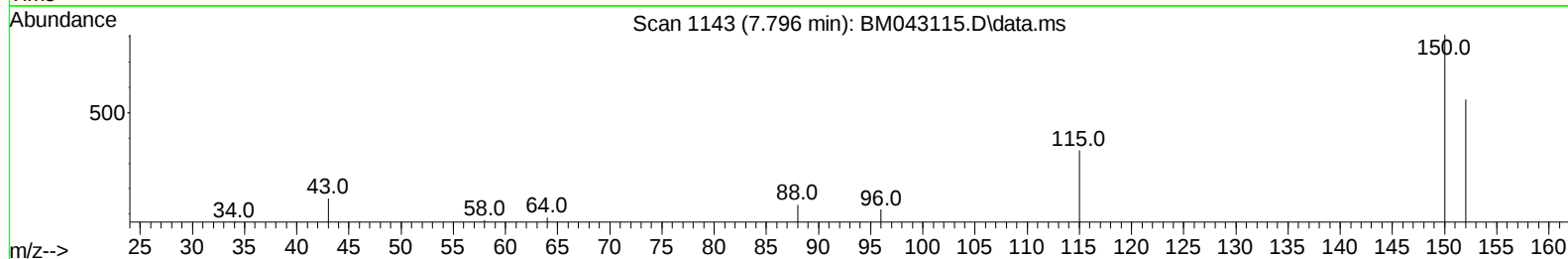
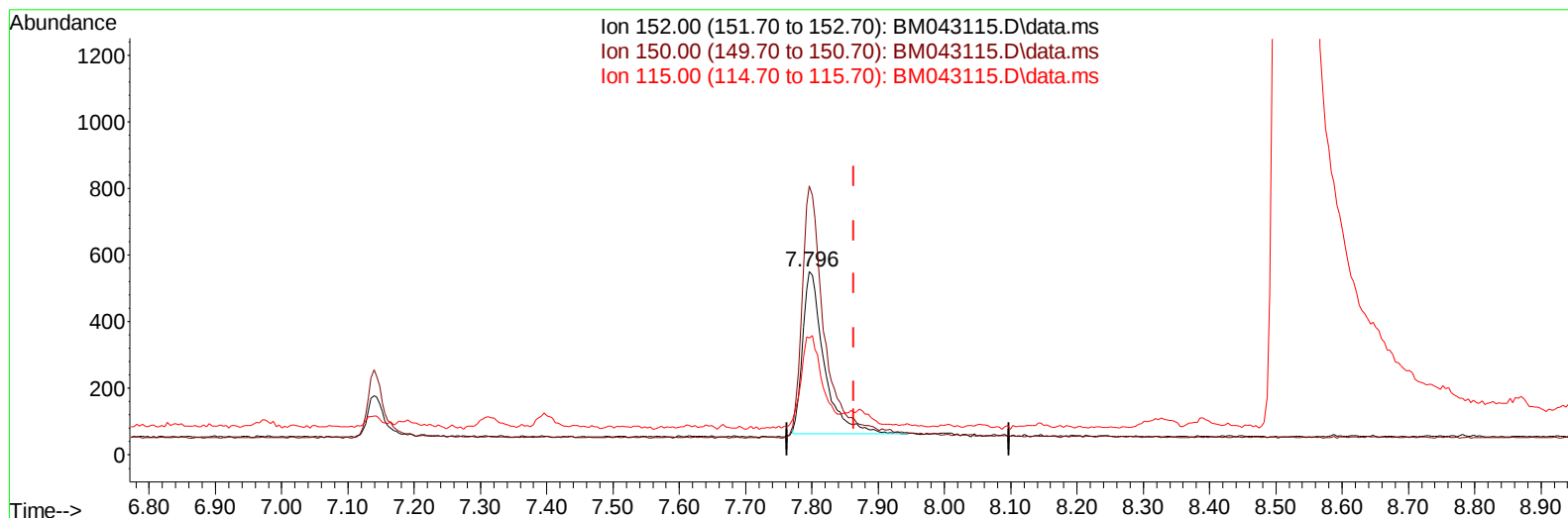
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043115.D
Acq On : 01 Dec 2023 09:58
Operator : MA/JU
Sample : 05459-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:14 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 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

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

7.796min (-0.067) 0.40 ng/u1

response 1104

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	146.38
115.00	89.60	63.59#
0.00	0.00	0.00

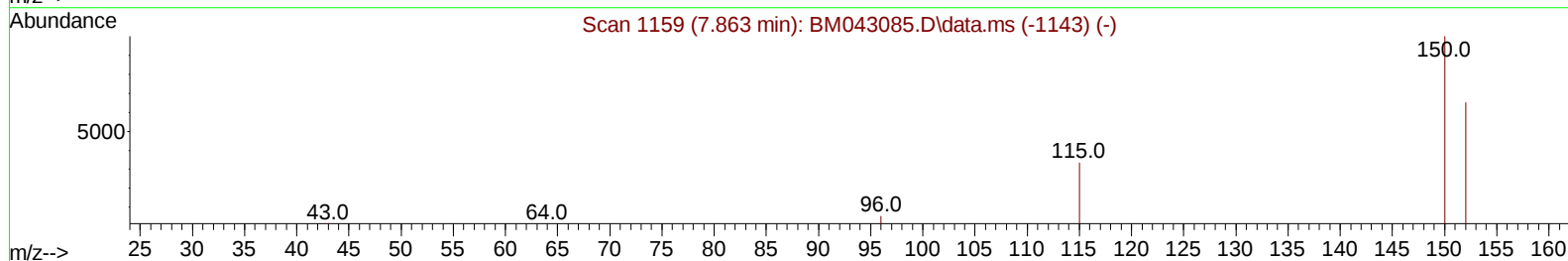
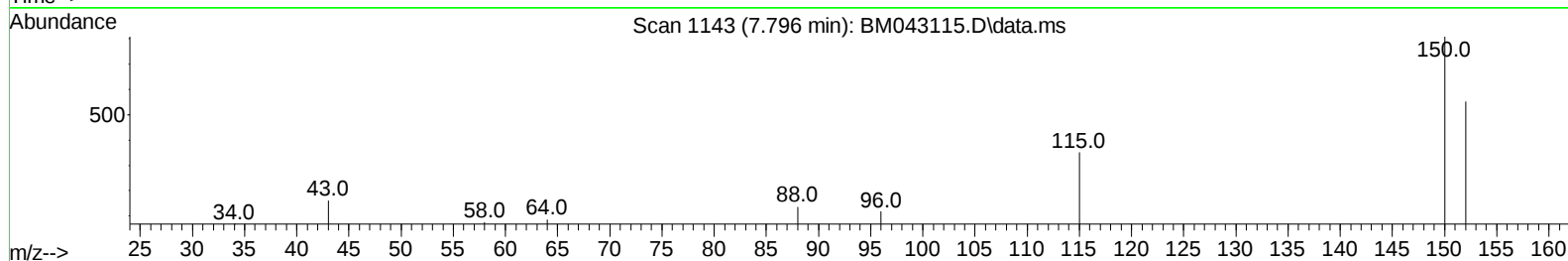
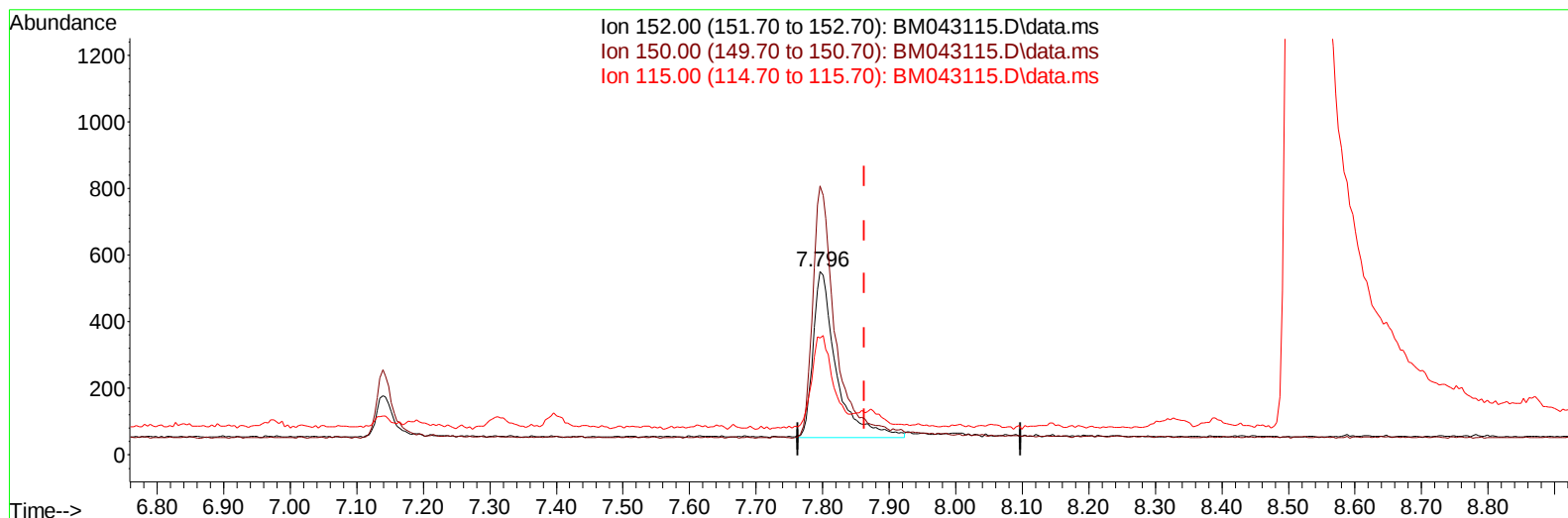
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
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 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COAK0

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:14 2023
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

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

7.796min (-0.067) 0.40 ng/ul m

response 1200

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	146.38
115.00	89.60	63.59#
0.00	0.00	0.00

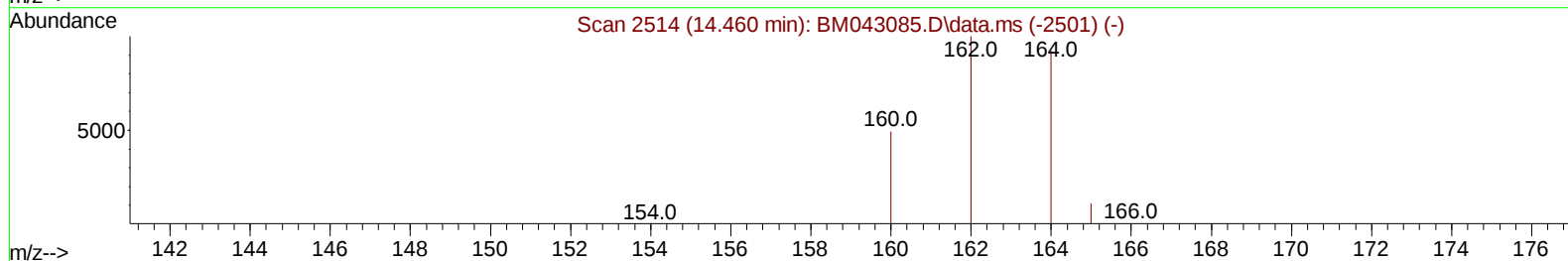
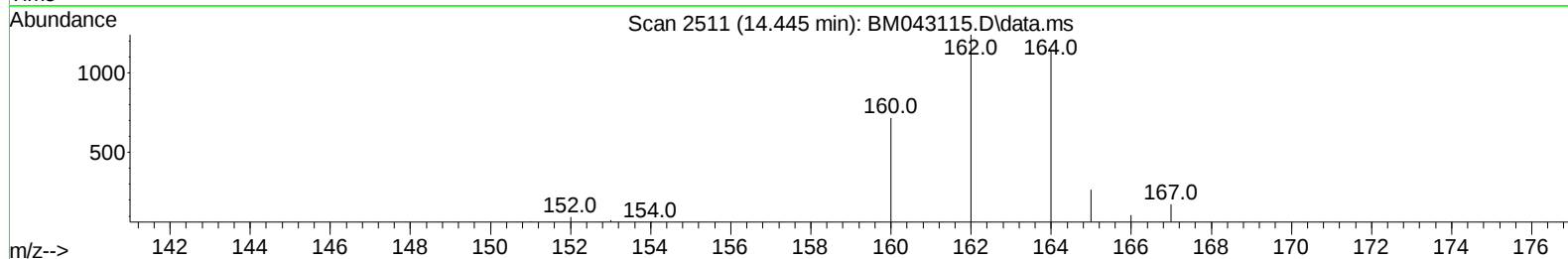
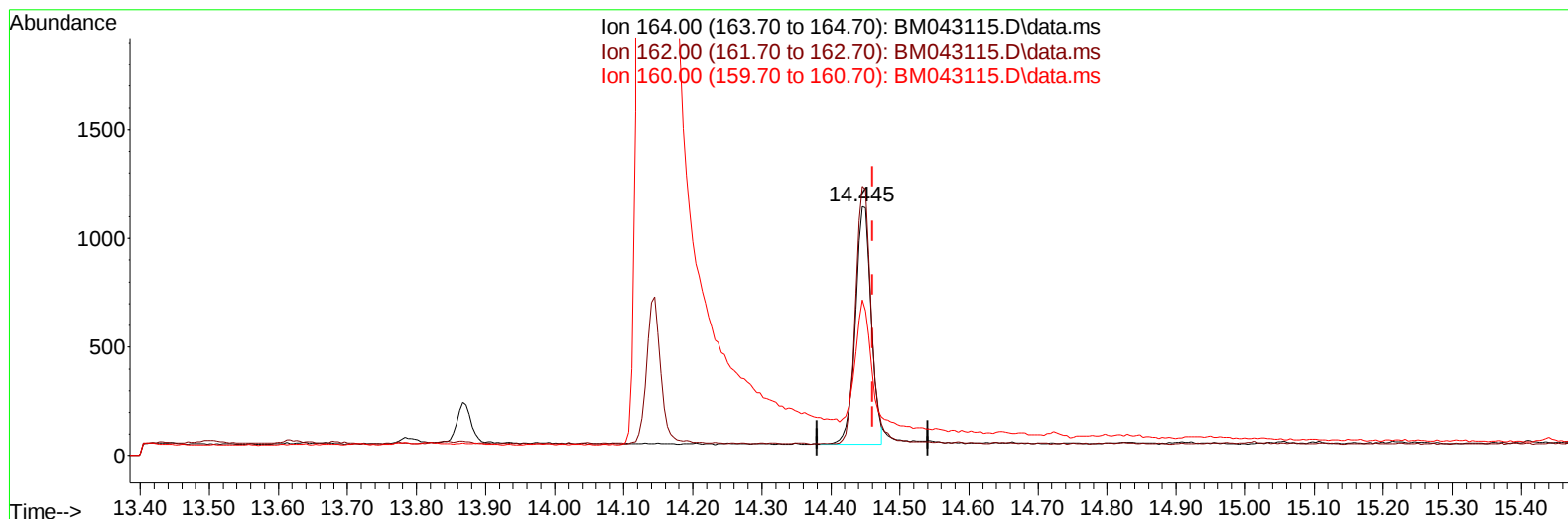
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 Acq On : 01 Dec 2023 09:58
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Reviewed By :Yogesh Patel 12/04/2023
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TIC: BM043115.D\data.ms

(9) Acenaphthene-d10 (I)

14.445min (-0.015) 0.40 ng/u1

response 1739

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	108.02
160.00	57.20	62.42
0.00	0.00	0.00

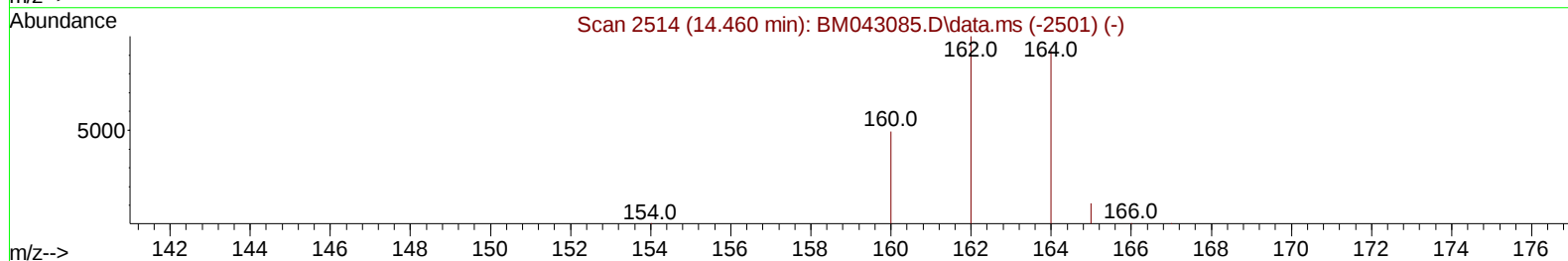
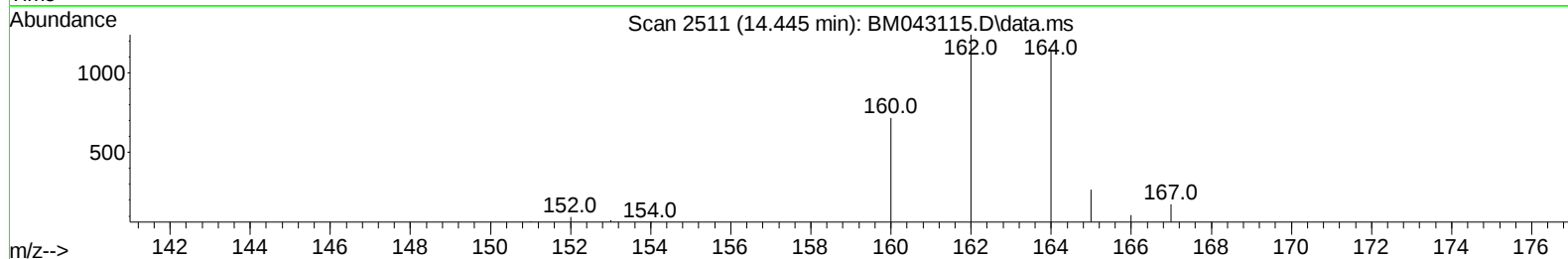
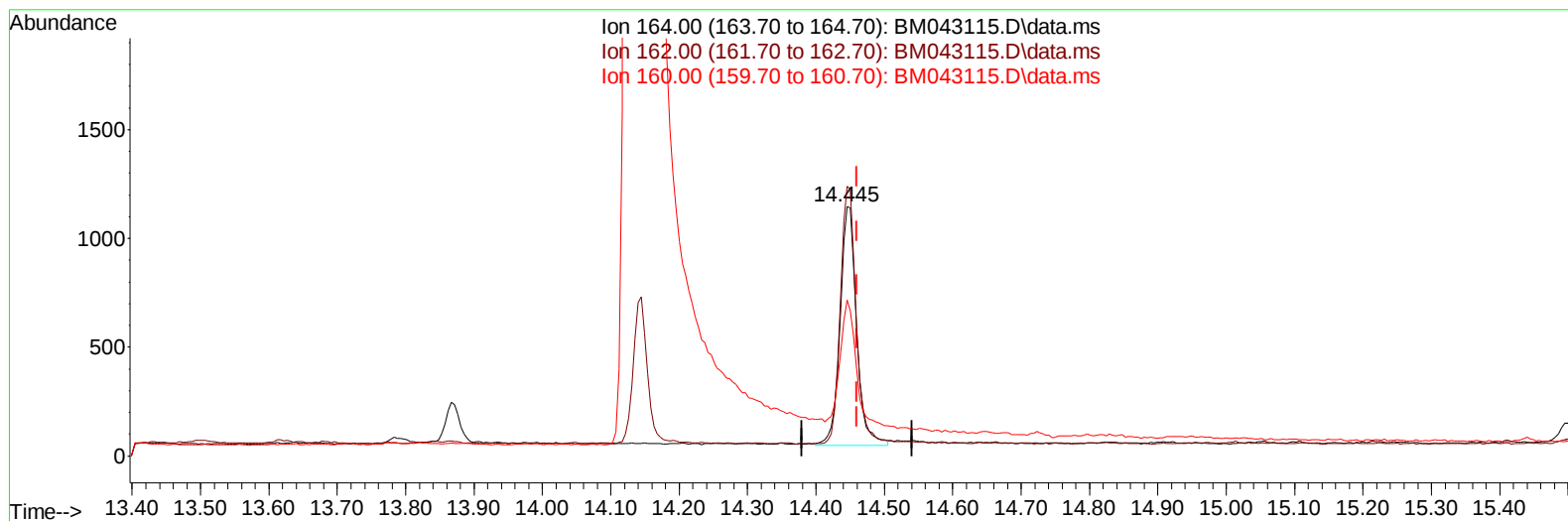
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:14 2023
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

(9) Acenaphthene-d10 (I)

14.445min (-0.015) 0.40 ng/ul m

response 1847

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	108.02
160.00	57.20	62.42
0.00	0.00	0.00

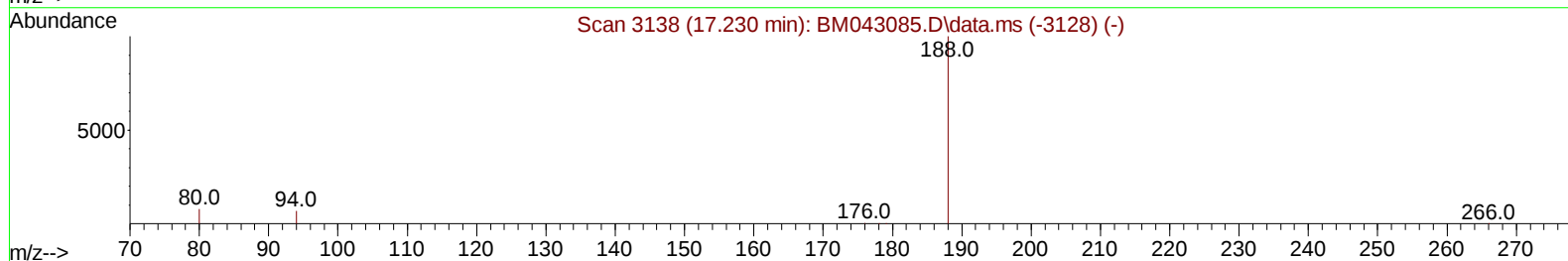
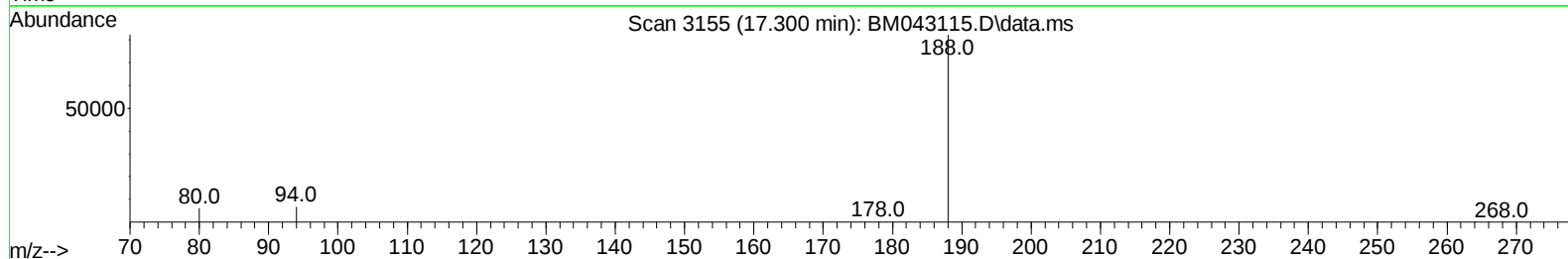
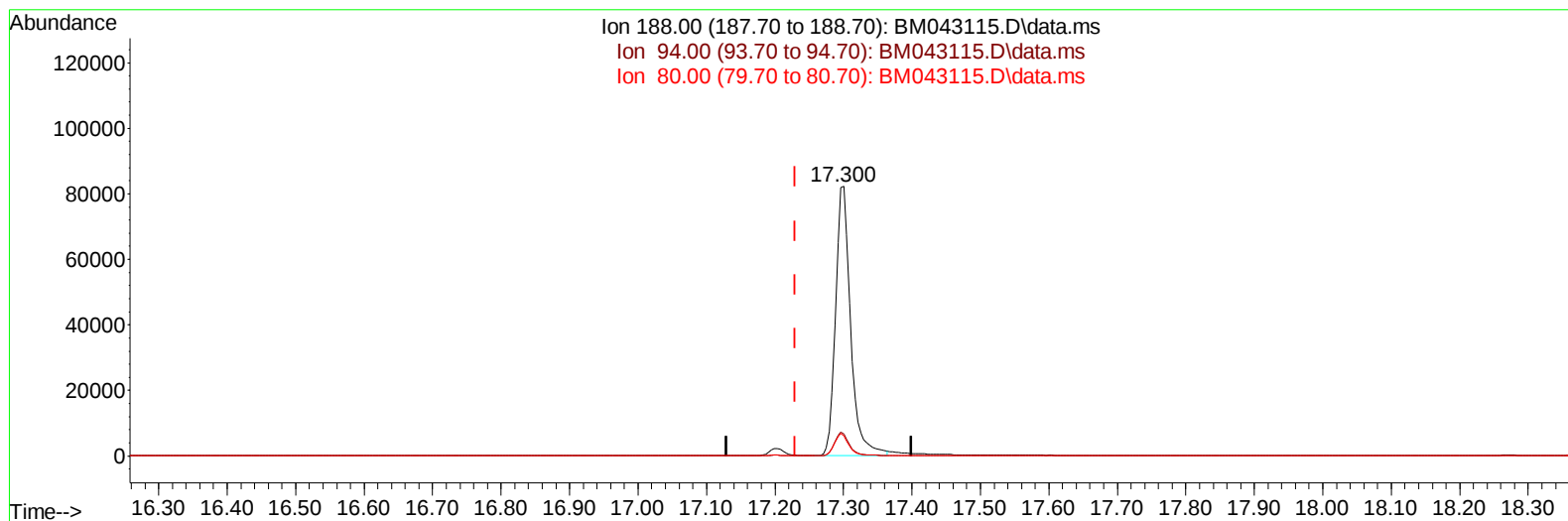
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual IntegrationsAPPROVED

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TIC: BM043115.D\data.ms

(13) Phenanthrene-d10 (I)

17.300min (+ 0.071) 0.40 ng/u1

response 126073

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	8.22#
80.00	12.70	7.40#
0.00	0.00	0.00

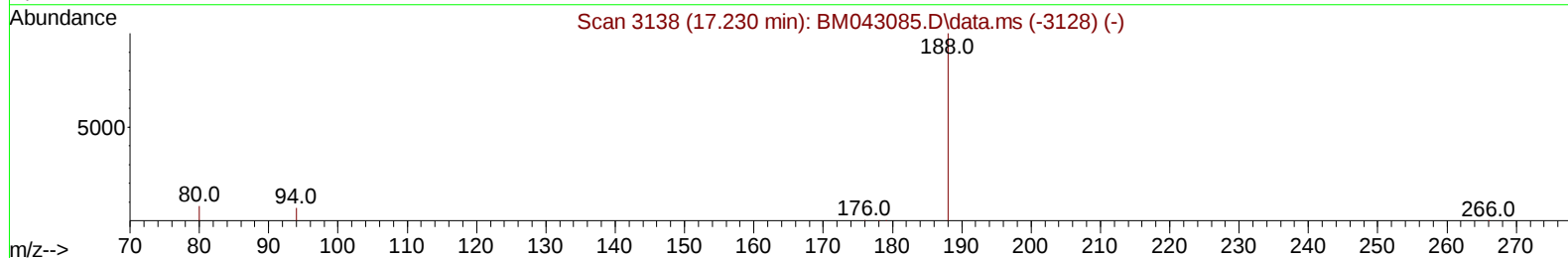
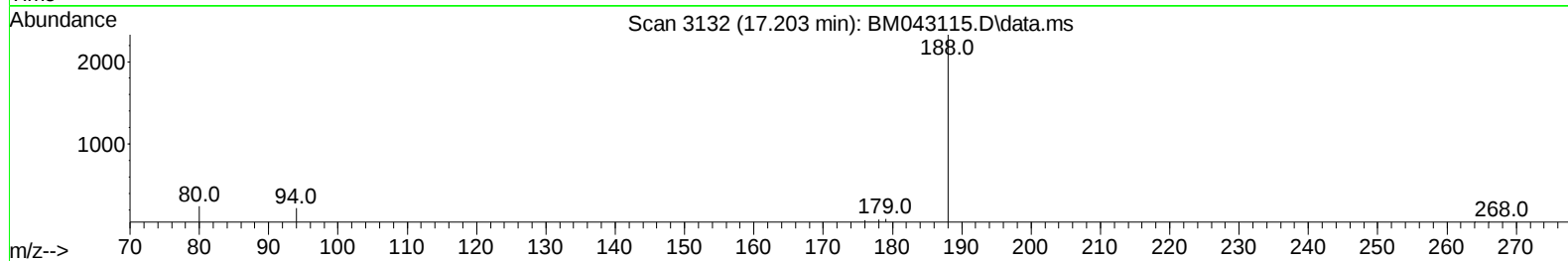
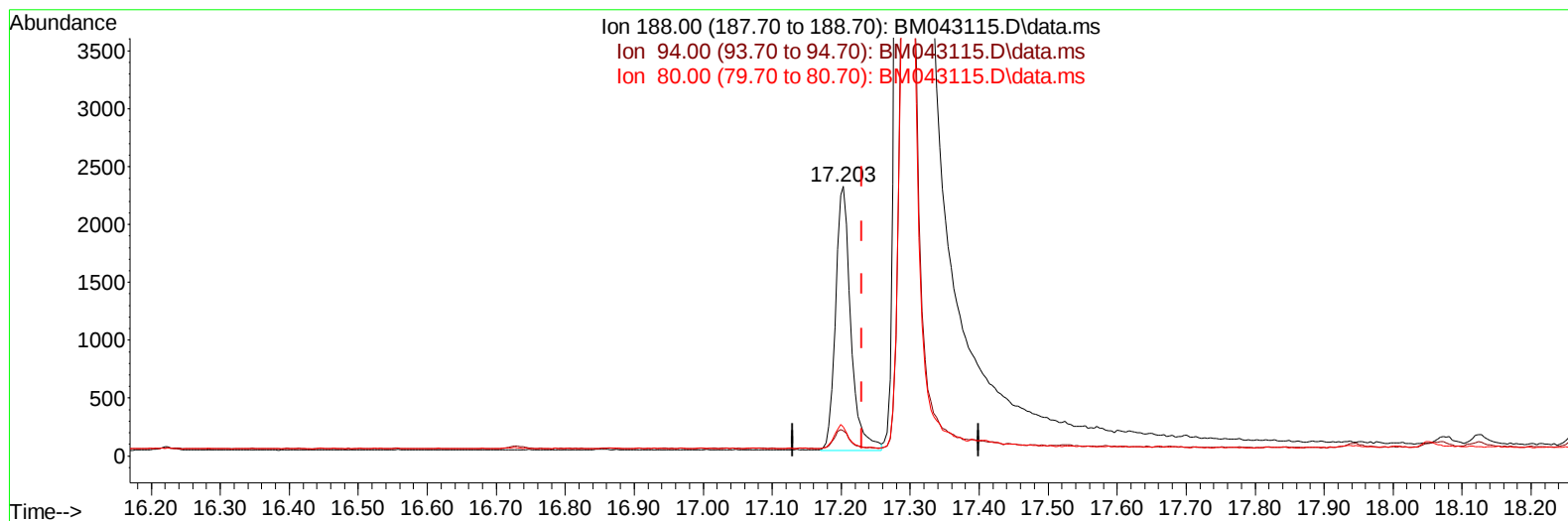
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:14 2023
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 QLast Update : Fri Dec 01 00:42:42 2023
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

(13) Phenanthrene-d10 (I)

17.203min (-0.027) 0.40 ng/ul m

response 3519

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	9.41
80.00	12.70	10.65
0.00	0.00	0.00

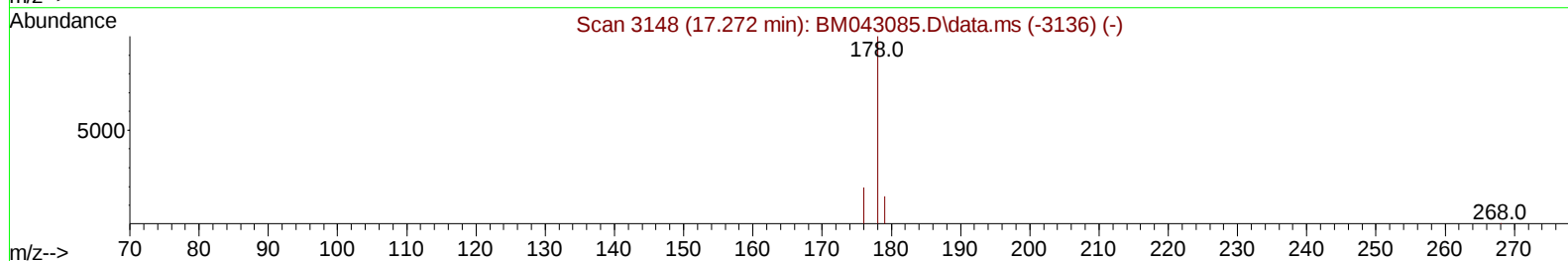
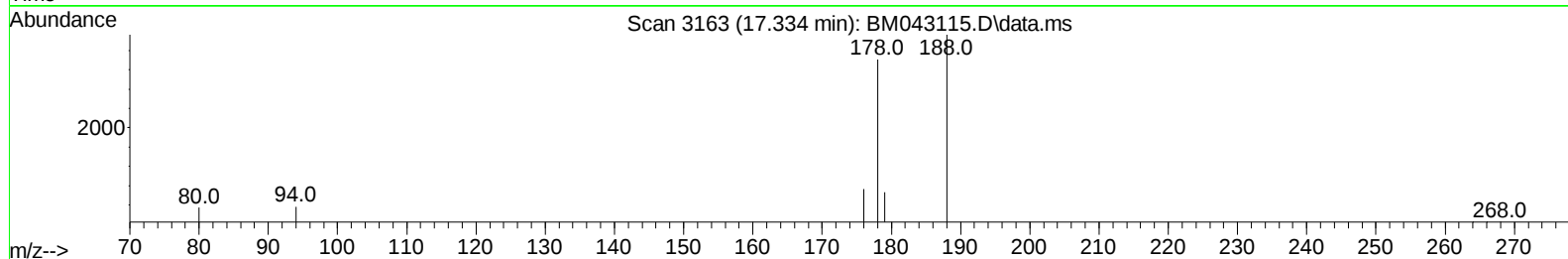
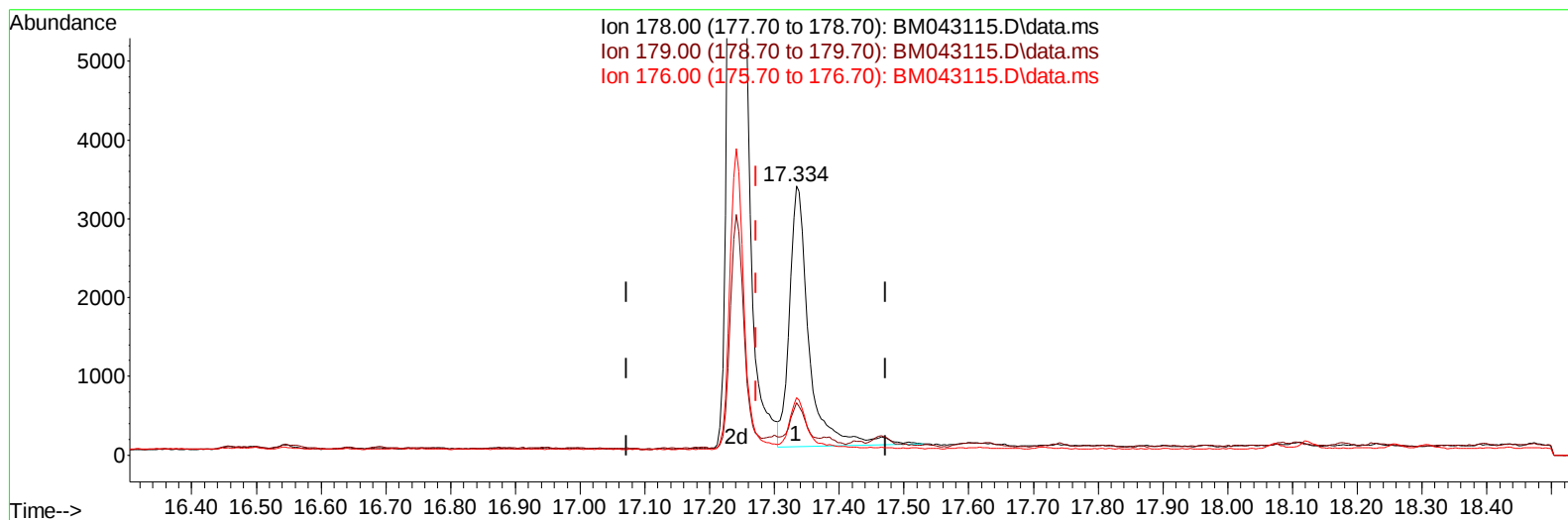
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

(15) Phenanthrene

17.334min (+ 0.062) 0.69 ng/u1

response 6932

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	19.36
176.00	23.60	21.43
0.00	0.00	0.00

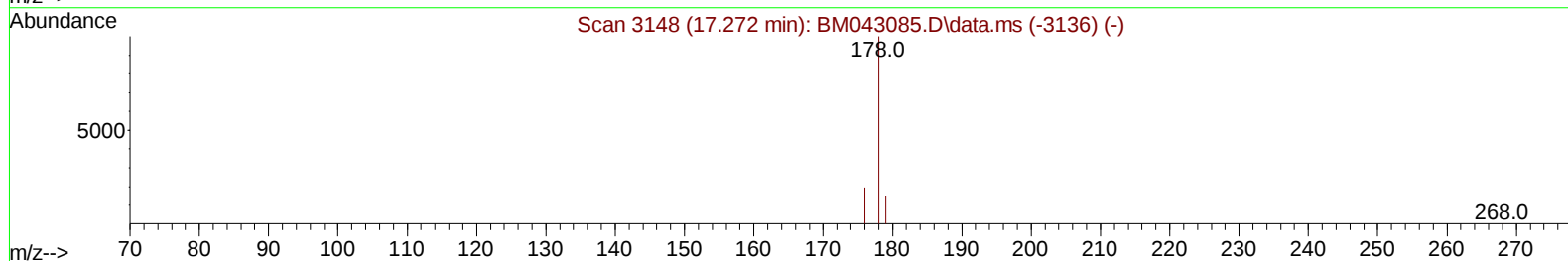
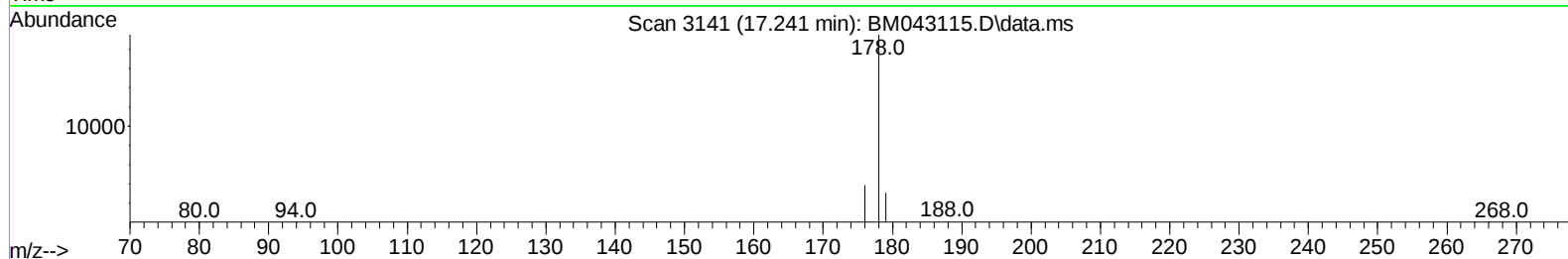
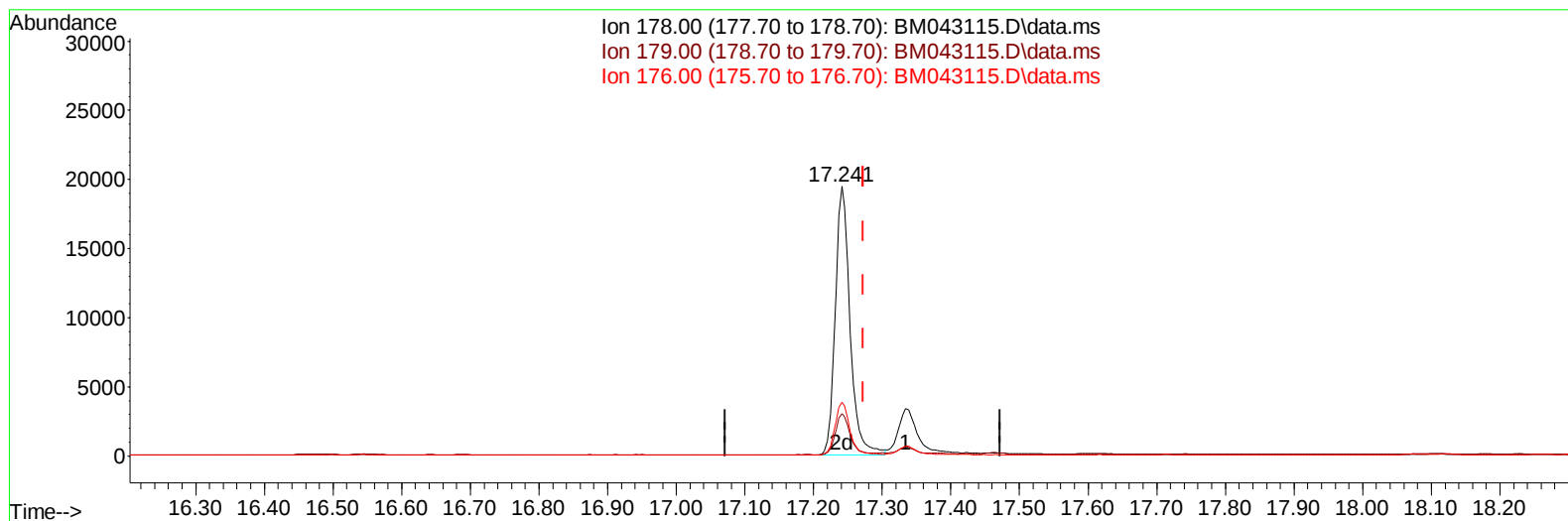
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

(15) Phenanthrene

17.241min (-0.031) 2.91 ng/ul m

response 29216

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	15.69
176.00	23.60	19.97
0.00	0.00	0.00

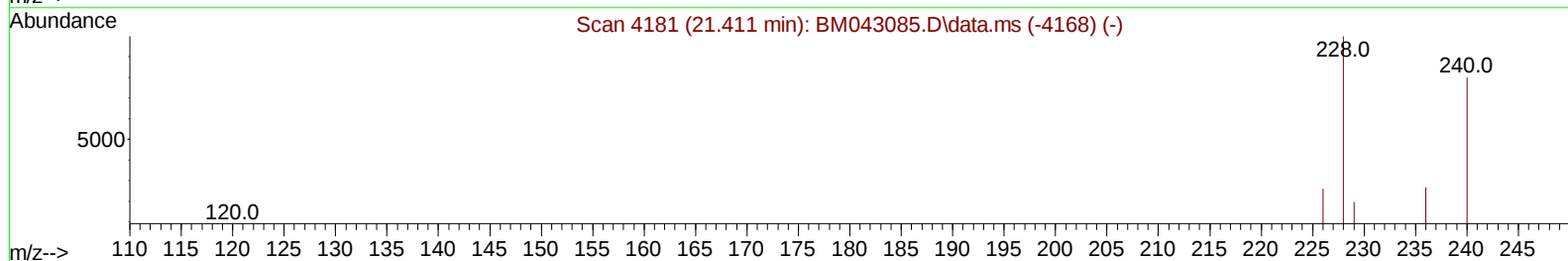
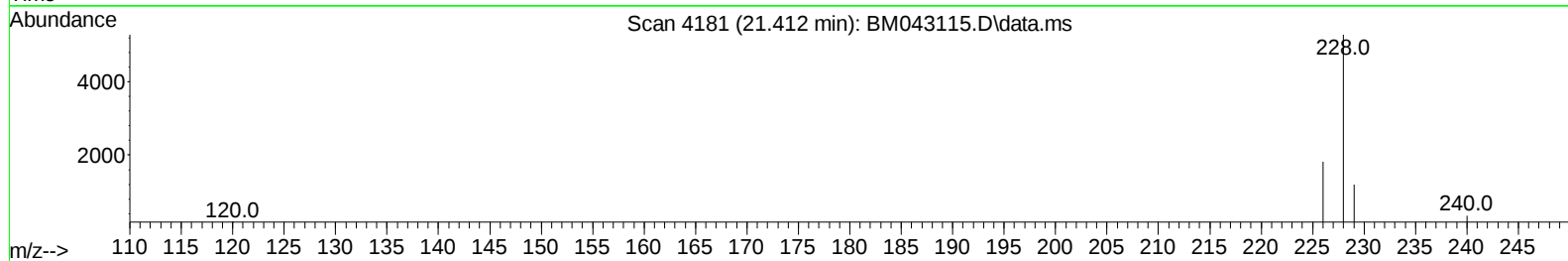
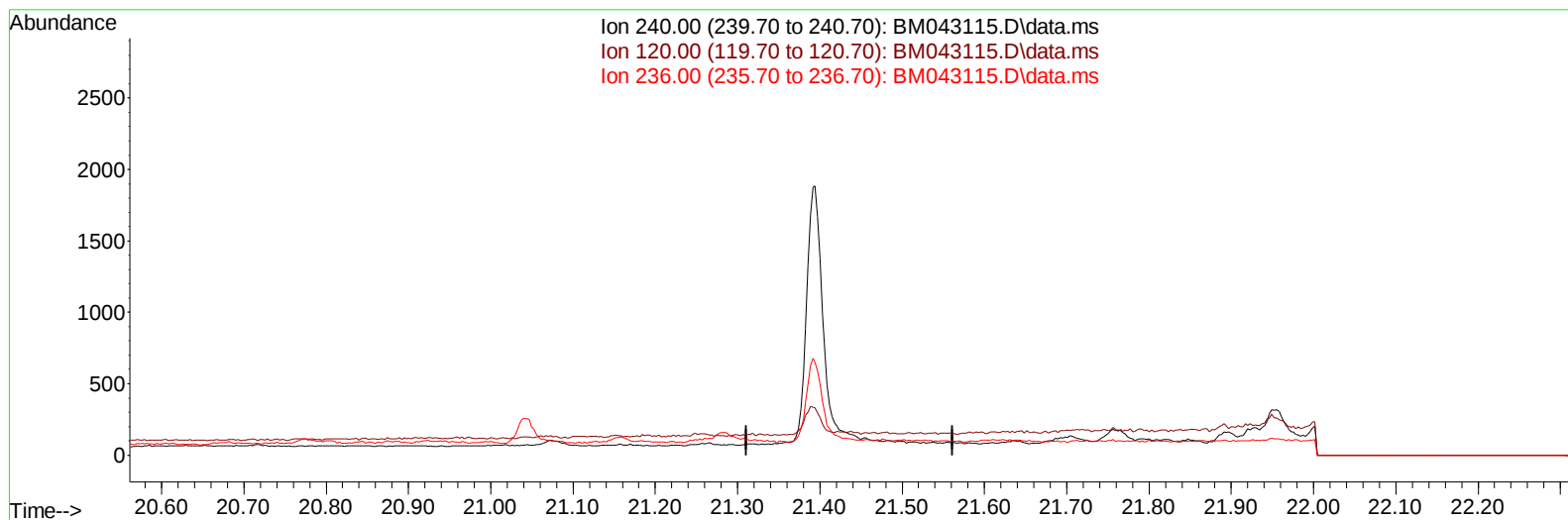
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043115.D
Acq On : 01 Dec 2023 09:58
Operator : MA/JU
Sample : 05459-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual IntegrationsAPPROVED

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TIC: BM043115.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

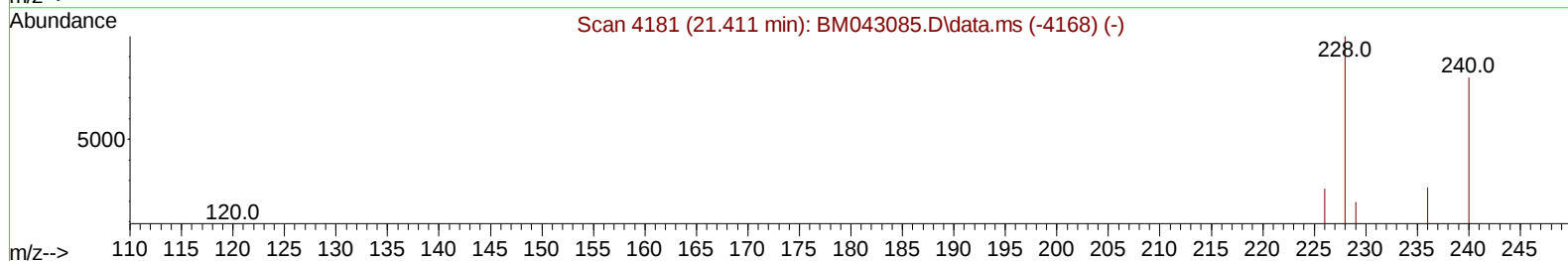
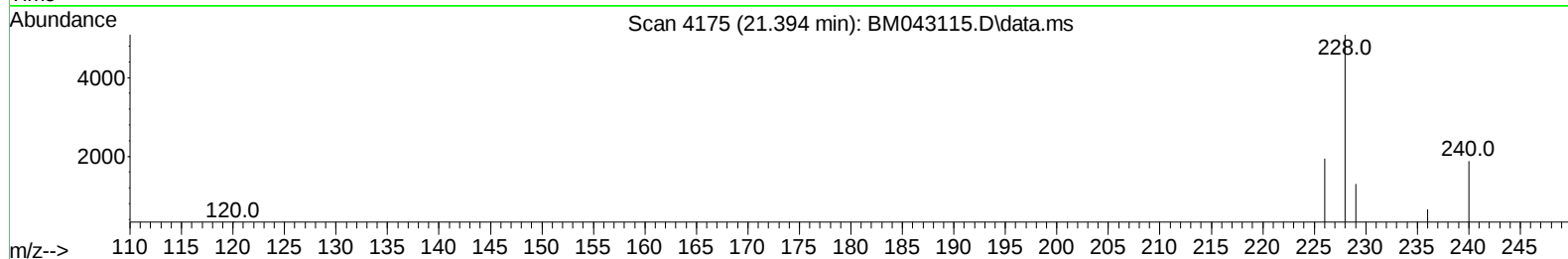
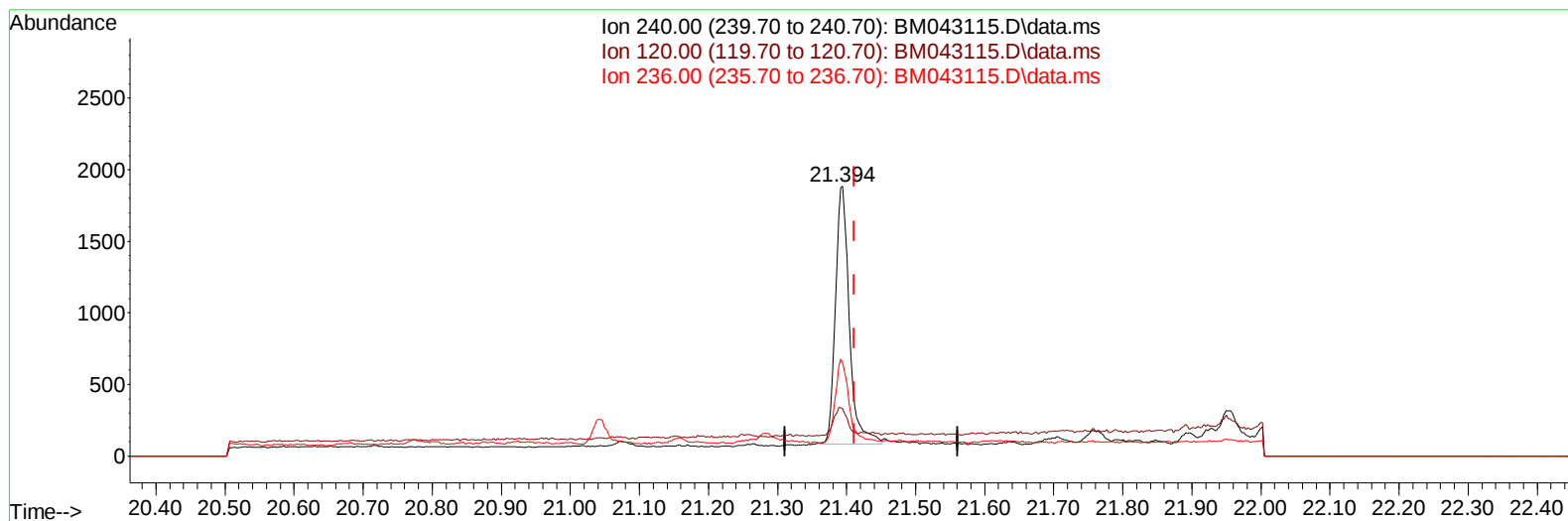
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043115.D
Acq On : 01 Dec 2023 09:58
Operator : MA/JU
Sample : 05459-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM043115.D\data.ms

(17) Chrysene-d12

21.394min (-0.017) 0.40 ng/ul m

response 2498

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	17.53#
236.00	38.50	34.52
0.00	0.00	0.00

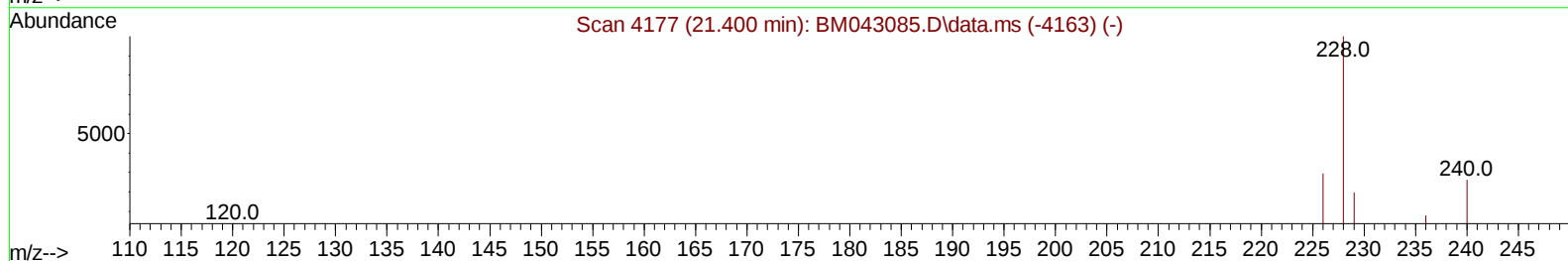
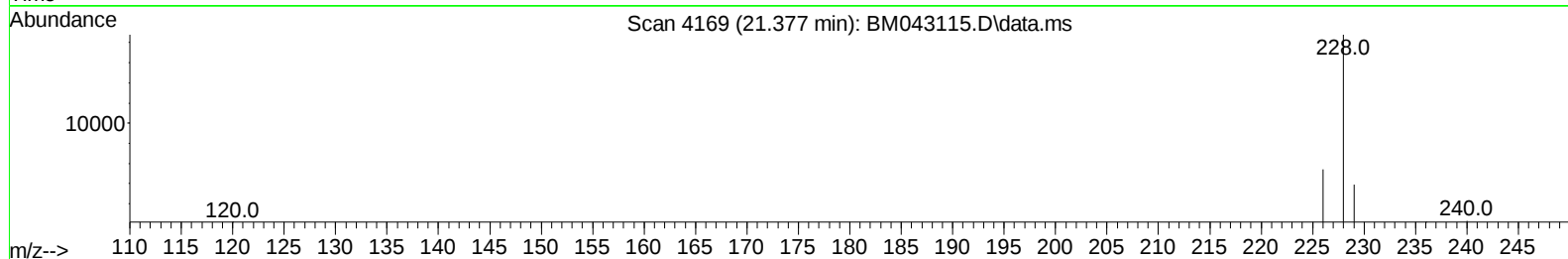
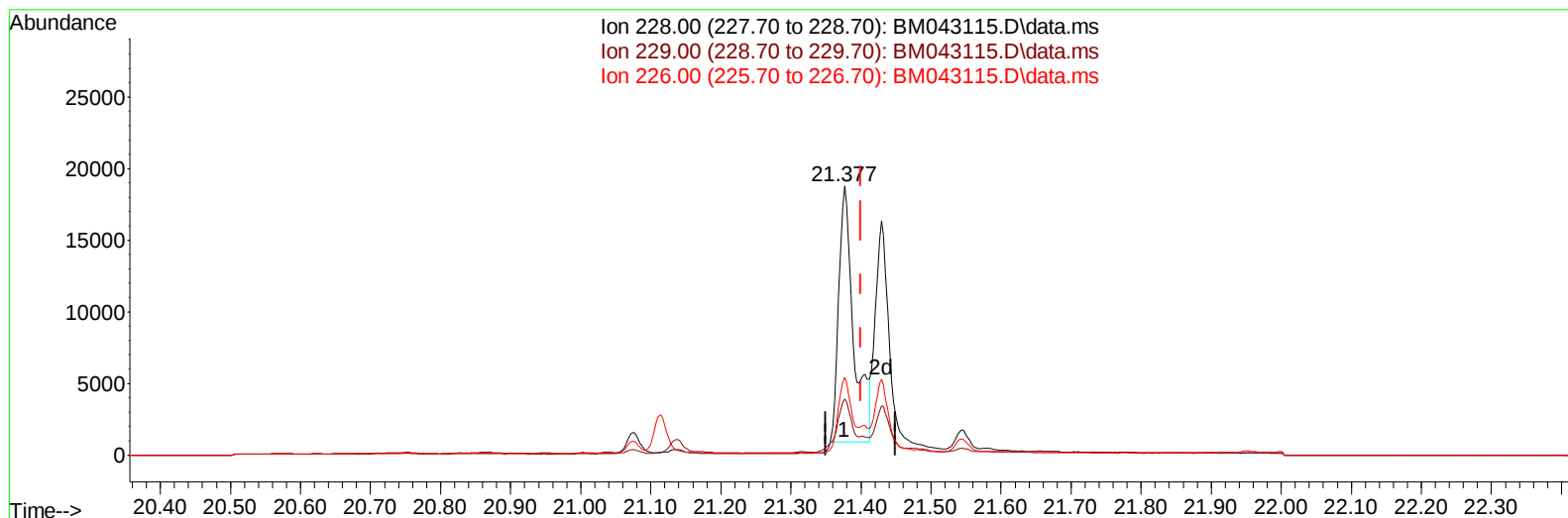
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Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM043115.D\data.ms

(21) Benzo(a)anthracene

21.377min (-0.023) 3.27 ng/u1

response 26536

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	20.86
226.00	31.10	29.01
0.00	0.00	0.00

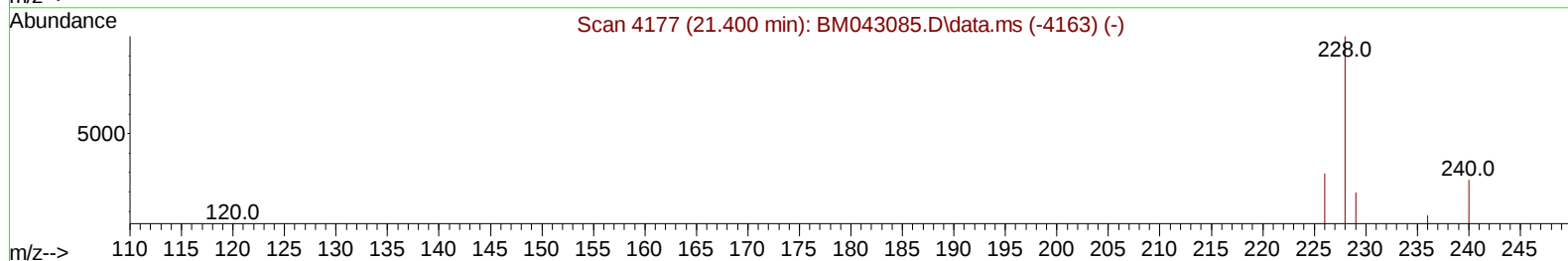
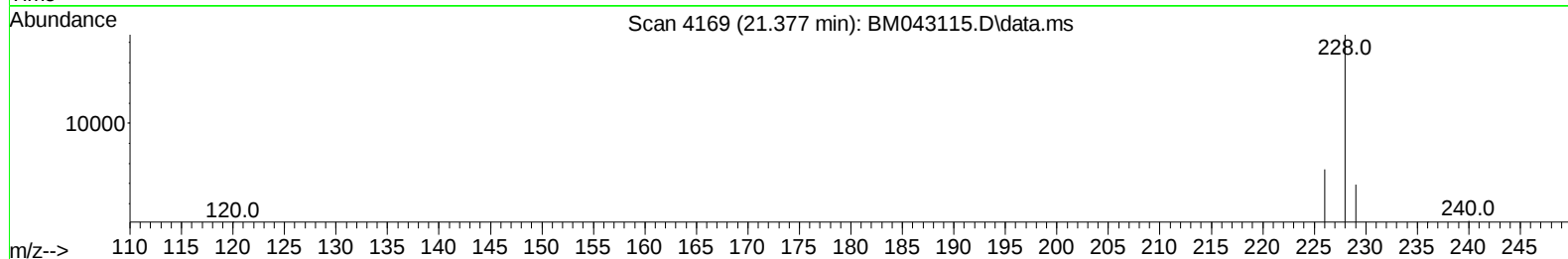
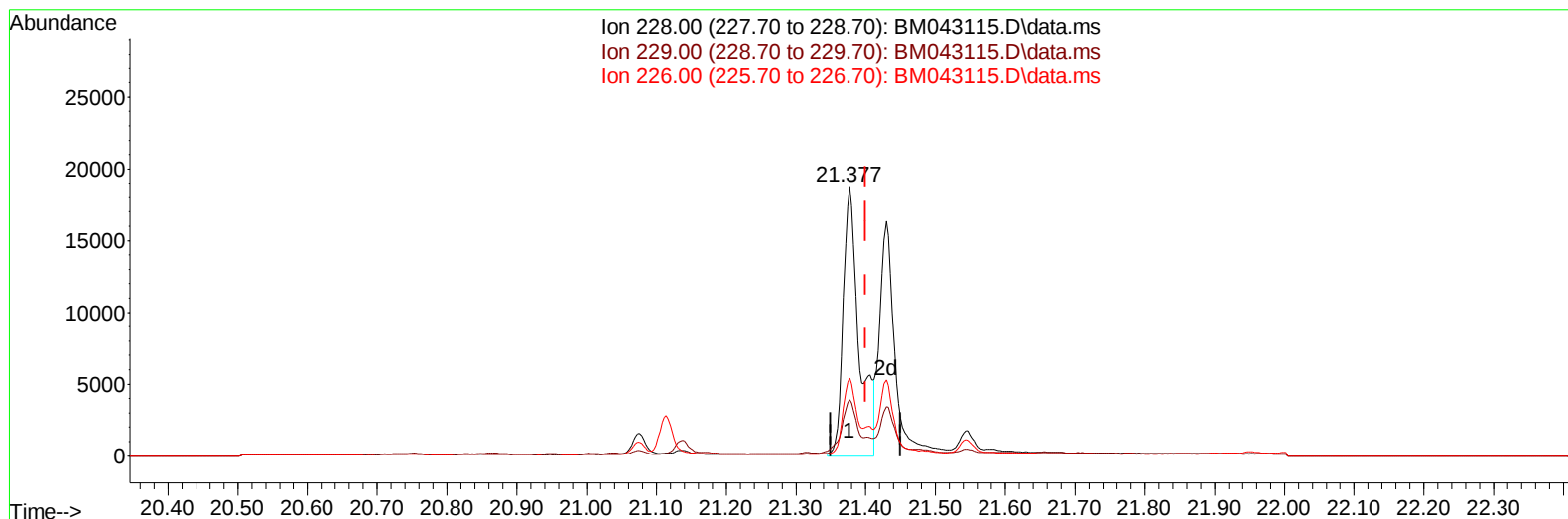
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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ALS Vial : 32 Sample Multiplier: 1

Instrument :
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TIC: BM043115.D\data.ms

(21) Benzo(a)anthracene

21.377min (-0.023) 3.69 ng/u1 m

response 29945

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	20.86
226.00	31.10	29.01
0.00	0.00	0.00

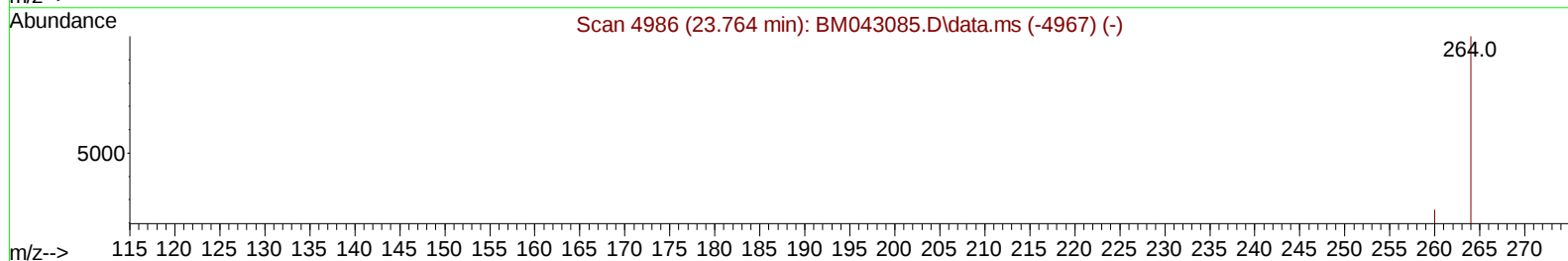
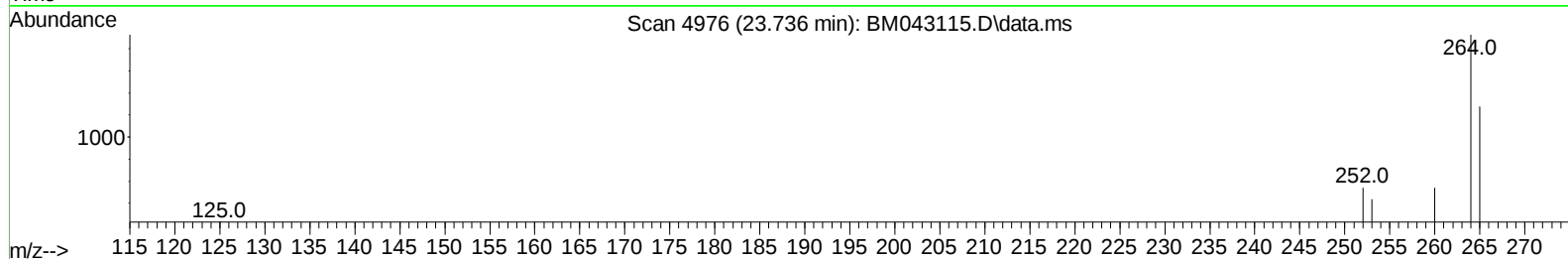
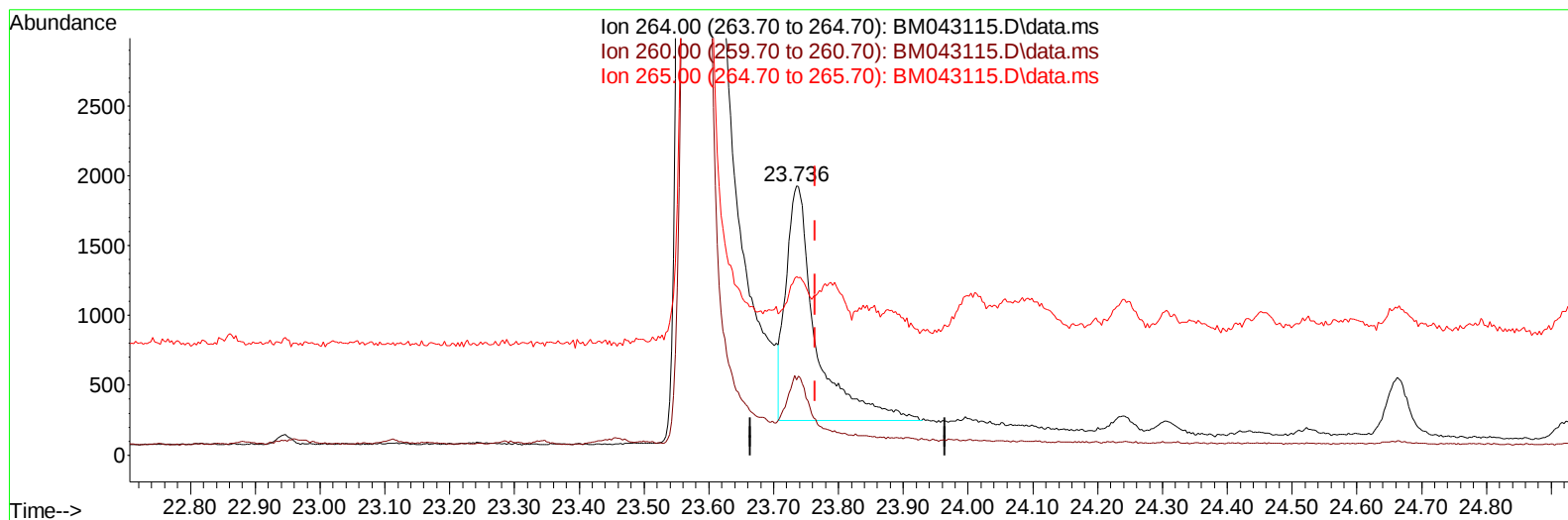
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 ALS Vial : 32 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 COAK0

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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

(23) Perylene-d12 (I)

23.736min (-0.029) 0.40 ng/u1

response 5440

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	27.92
265.00	120.30	66.27#
0.00	0.00	0.00

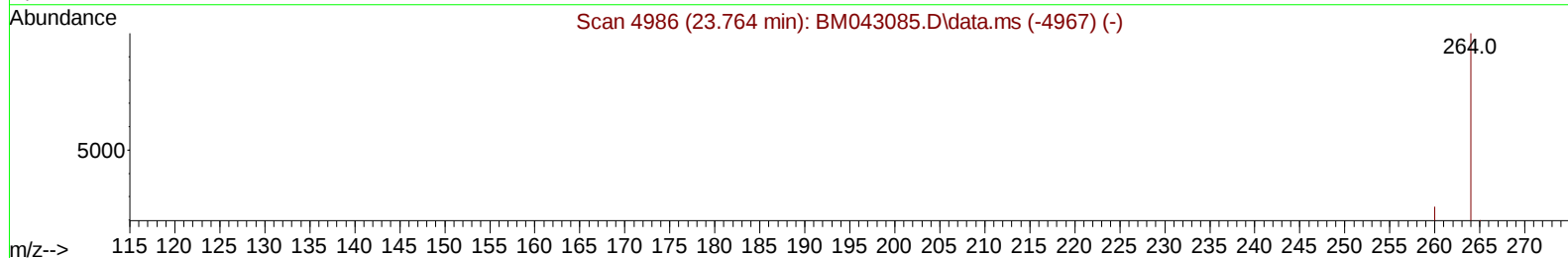
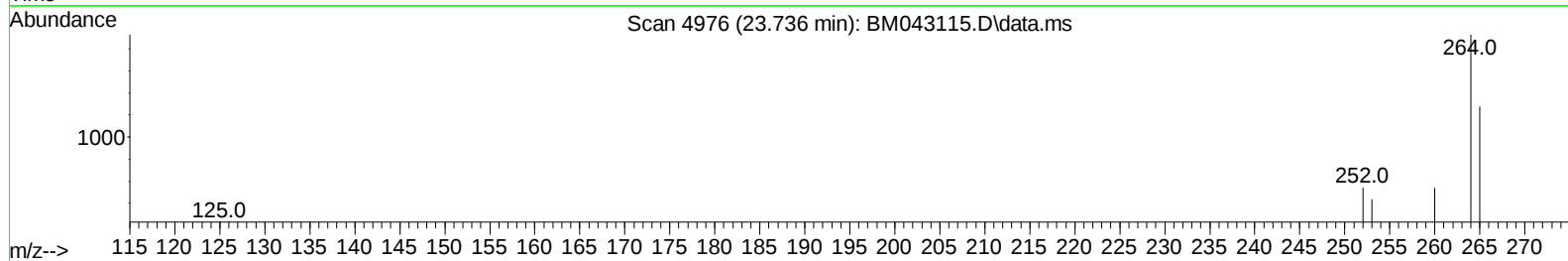
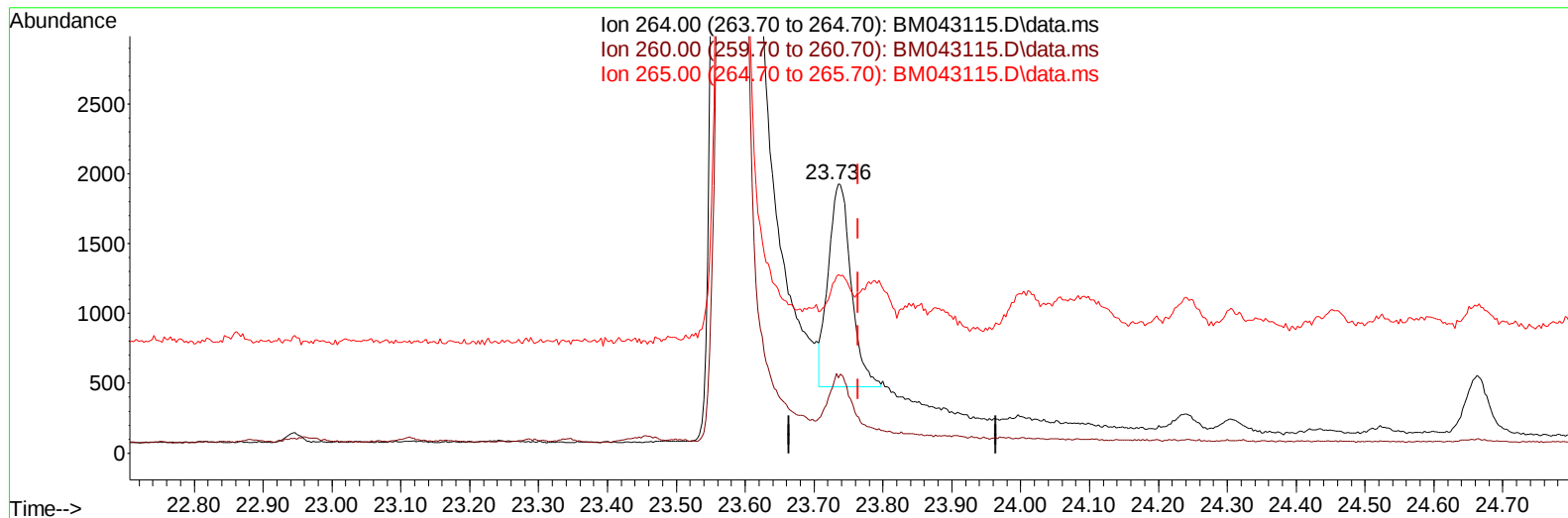
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043115.D
Acq On : 01 Dec 2023 09:58
Operator : MA/JU
Sample : 05459-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:18:14 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 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



TIC: BM043115.D\data.ms

(23) Perylene-d12 (I)

23.736min (-0.029) 0.40 ng/ul m

response 3357

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	27.92
265.00	120.30	66.27#
0.00	0.00	0.00

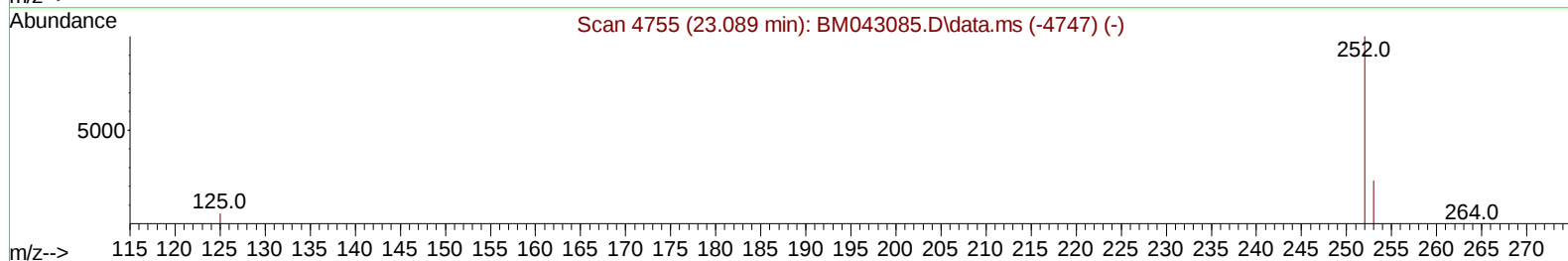
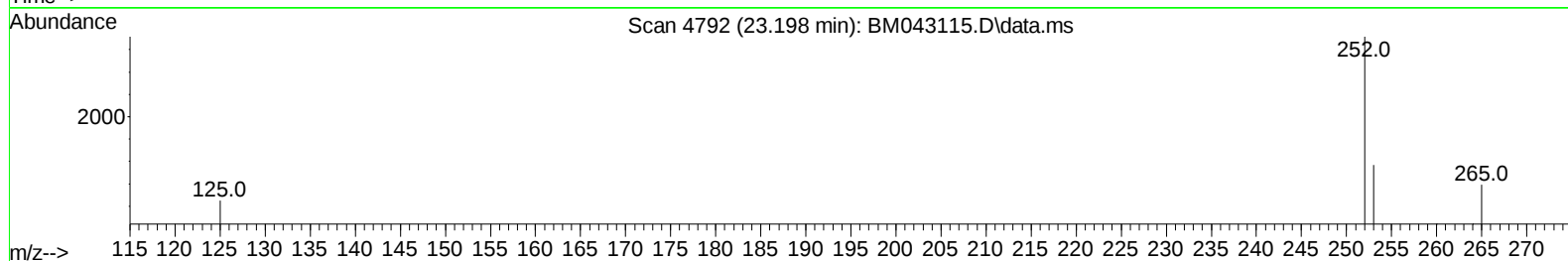
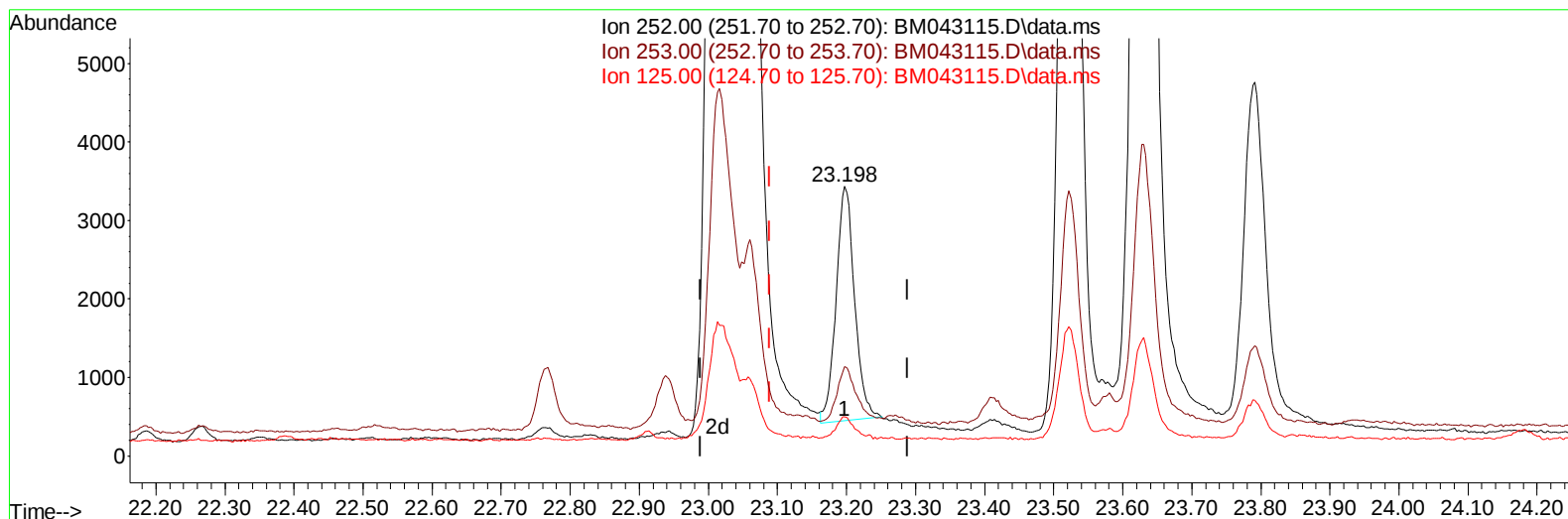
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
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TIC: BM043115.D\data.ms

(25) Benzo(k)fluoranthene

23.198min (+ 0.109) 0.36 ng/u1

response 5544

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	33.16
125.00	13.80	14.54
0.00	0.00	0.00

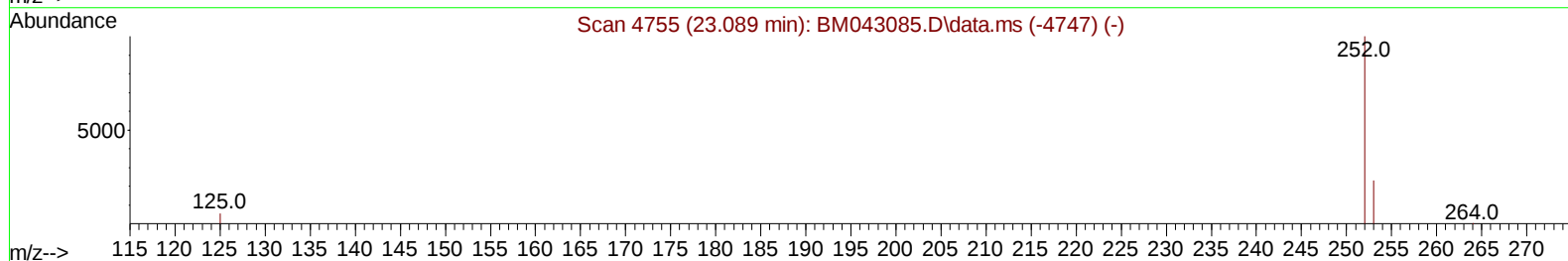
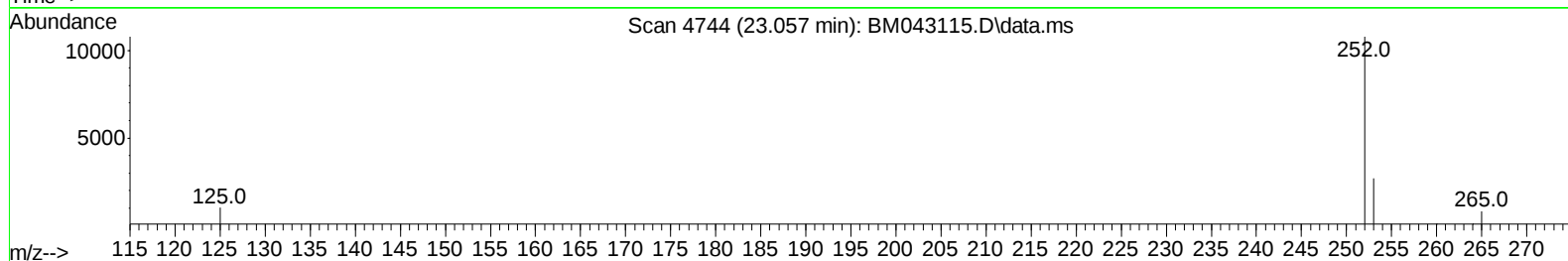
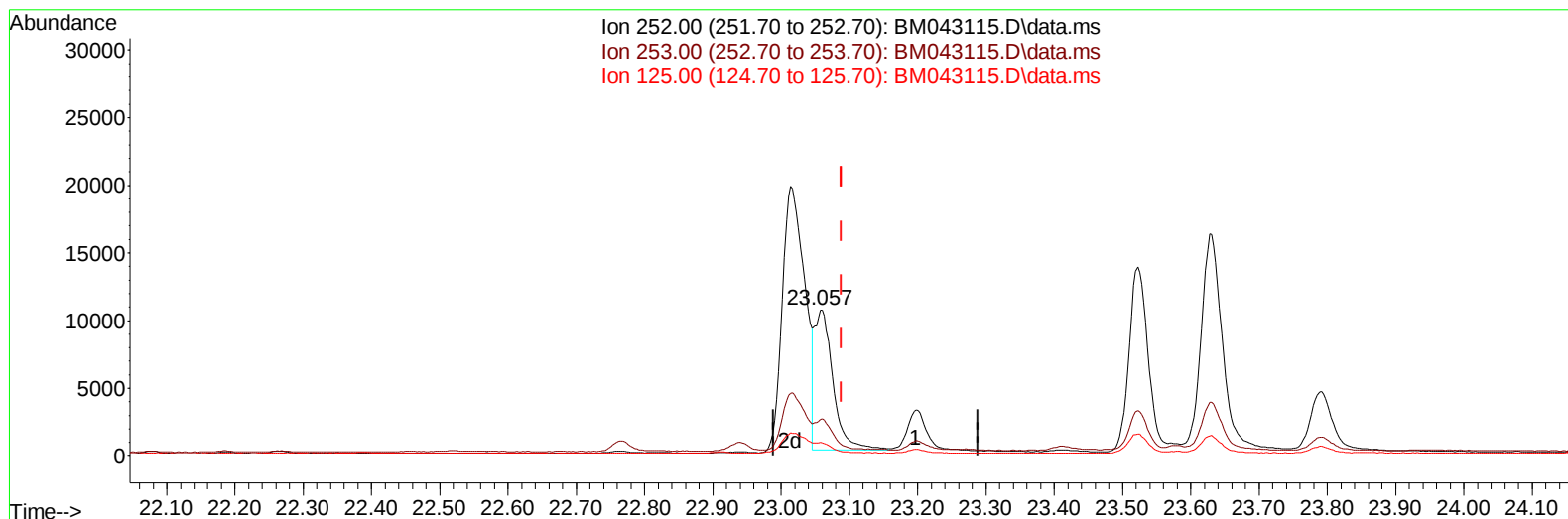
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043115.D
 Acq On : 01 Dec 2023 09:58
 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual IntegrationsAPPROVED

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TIC: BM043115.D\data.ms

(25) Benzo(k)fluoranthene

23.057min (-0.032) 1.24 ng/ul m

response 19288

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	24.97#
125.00	13.80	9.33#
0.00	0.00	0.00

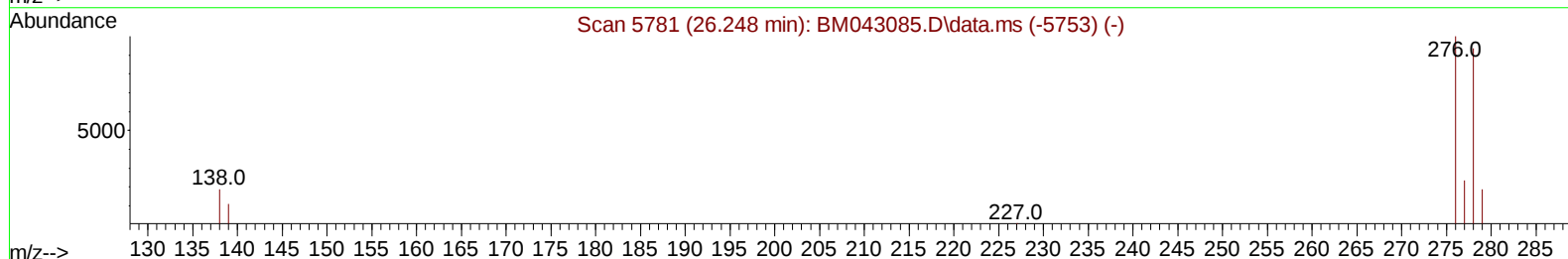
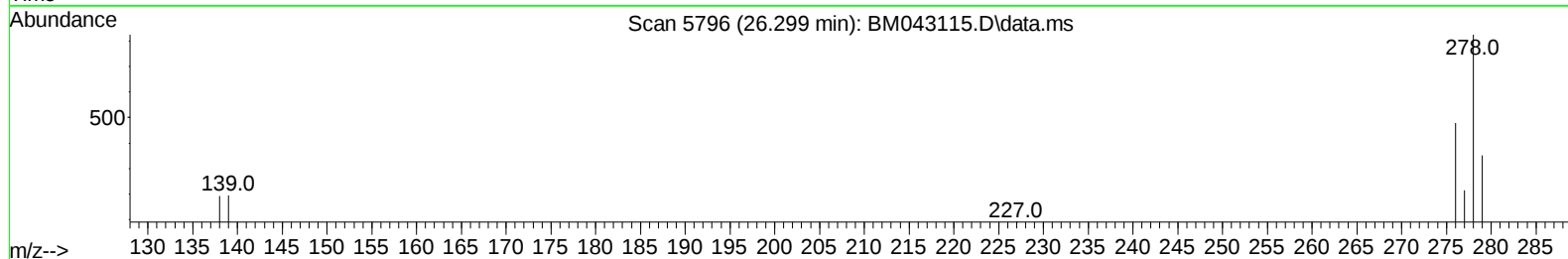
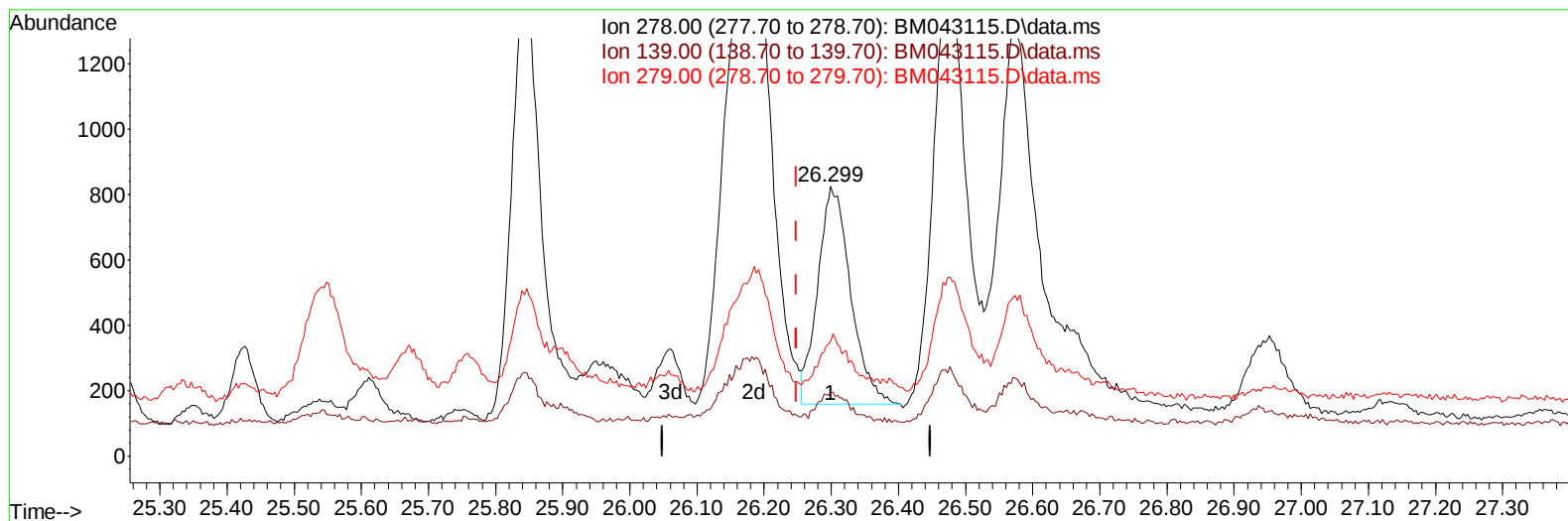
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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Instrument :
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TIC: BM043115.D\data.ms

(28) Dibenzo(a,h)anthracene

26.299min (+ 0.051) 0.18 ng/u1

response 2268

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.60	23.79
279.00	43.00	42.60
0.00	0.00	0.00

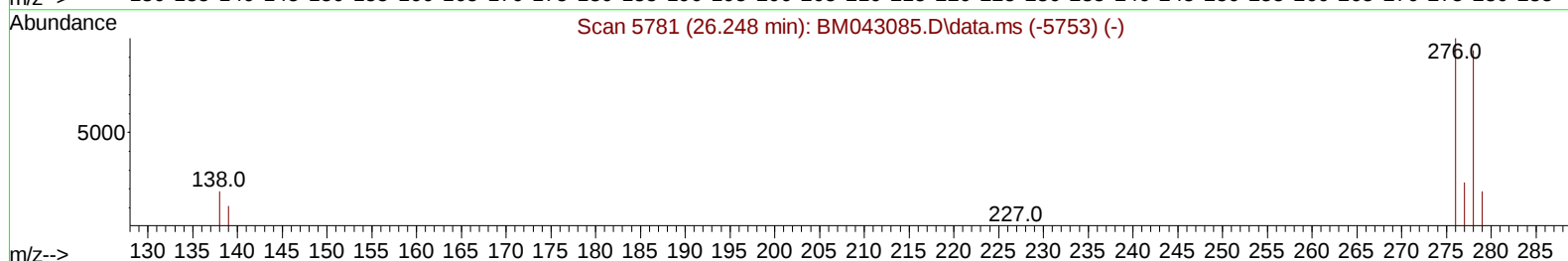
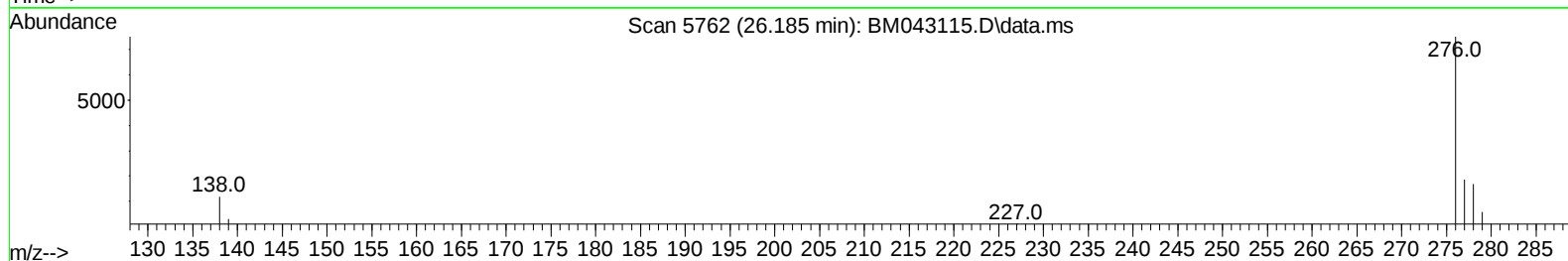
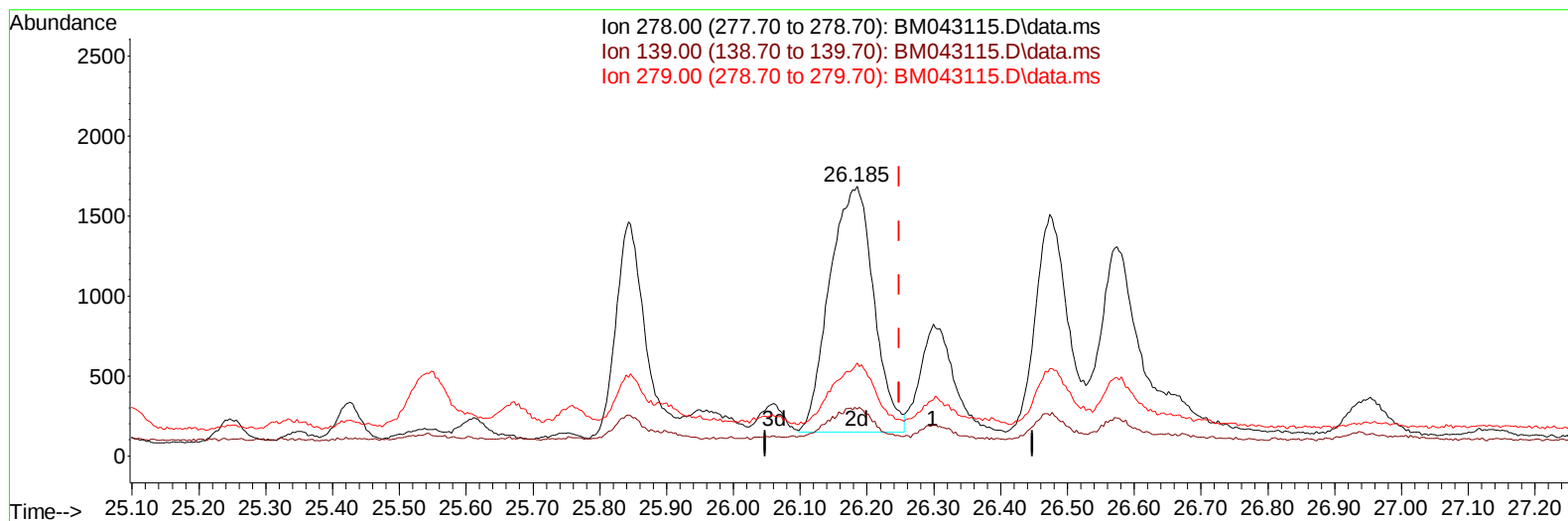
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Data File : BM043115.D
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Operator : MA/JU
Sample : 05459-14
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AK0

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TIC: BM043115.D\data.ms

(28) Dibenzo(a,h)anthracene

26.185min (-0.063) 0.54 ng/u1 m

response 7023

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.60	17.47#
279.00	43.00	34.46
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : 05459-14
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/04/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	1200m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.600	136	3253	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.445	164	1847m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.203	188	3519m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.394	240	2498m	0.400	ng/ul	-0.02
23) Perylene-d12	23.736	264	3357m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	3265	1.773	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.194	152	1167	0.268	ng/ul	-0.04
18) Fluoranthene-d10	19.233	212	2459	0.270	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.649	128	5214	0.590	ng/ul#	86
7) 2-Methylnaphthalene	12.266	142	5953	1.142	ng/ul	96
8) 1-Methylnaphthalene	12.486	142	4449	0.765	ng/ul	98
10) Acenaphthylene	14.172	152	1323	0.140	ng/ul#	85
11) Acenaphthene	14.510	153	1075	0.151	ng/ul	97
12) Fluorene	15.500	166	1064	0.145	ng/ul#	96
15) Phenanthrene	17.241	178	29216m	2.909	ng/ul	
16) Anthracene	17.334	178	6054	0.636	ng/ul	93
19) Fluoranthene	19.261	202	55779	3.939	ng/ul#	91
20) Pyrene	19.628	202	46326	3.076	ng/ul#	92
21) Benzo(a)anthracene	21.377	228	29945m	3.694	ng/ul	
22) Chrysene	21.429	228	22424	1.485	ng/ul	97
24) Benzo(b)fluoranthene	23.013	252	45743	4.038	ng/ul	81
25) Benzo(k)fluoranthene	23.057	252	19288m	1.236	ng/ul	
26) Benzo(a)pyrene	23.627	252	33877	2.740	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.172	276	31204	1.865	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.185	278	7023m	0.543	ng/ul	
29) Benzo(g,h,i)perylene	26.936	276	21995	1.351	ng/ul#	89

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

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