

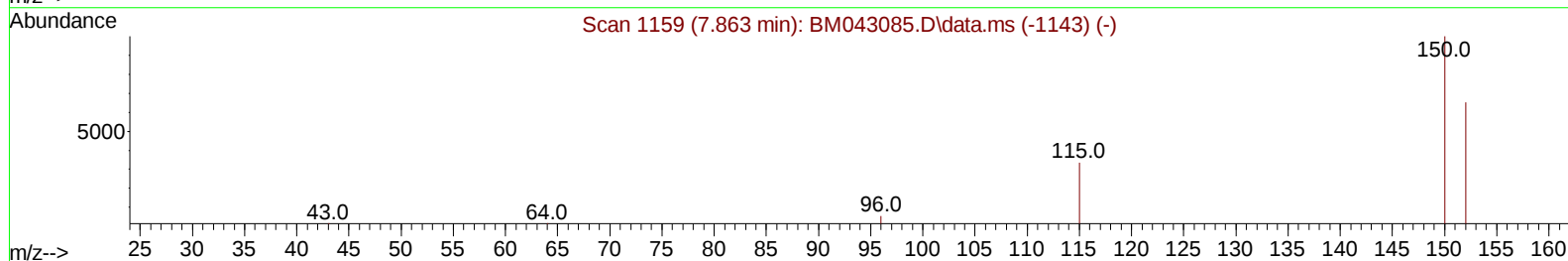
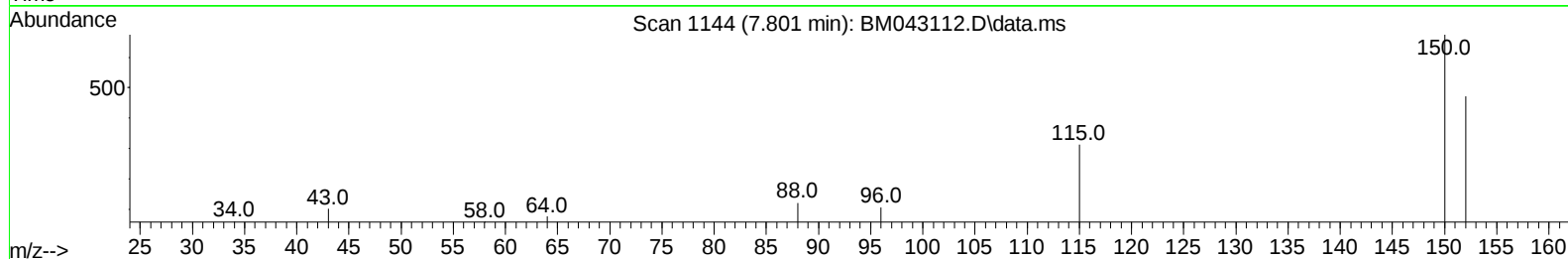
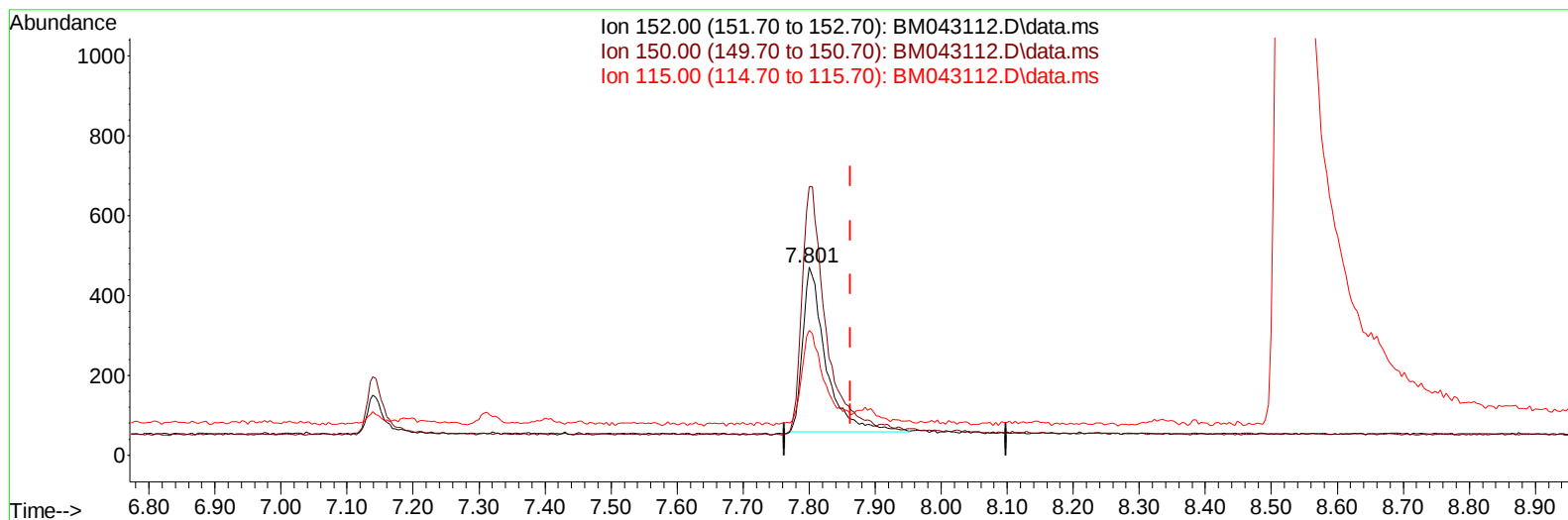
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043112.D
Acq On : 01 Dec 2023 08:09
Operator : MA/JU
Sample : 05459-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA4

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:17:43 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: BM043112.D\data.ms

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

7.801min (-0.062) 0.40 ng/u1

response 997

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	143.10
115.00	89.60	66.45#
0.00	0.00	0.00

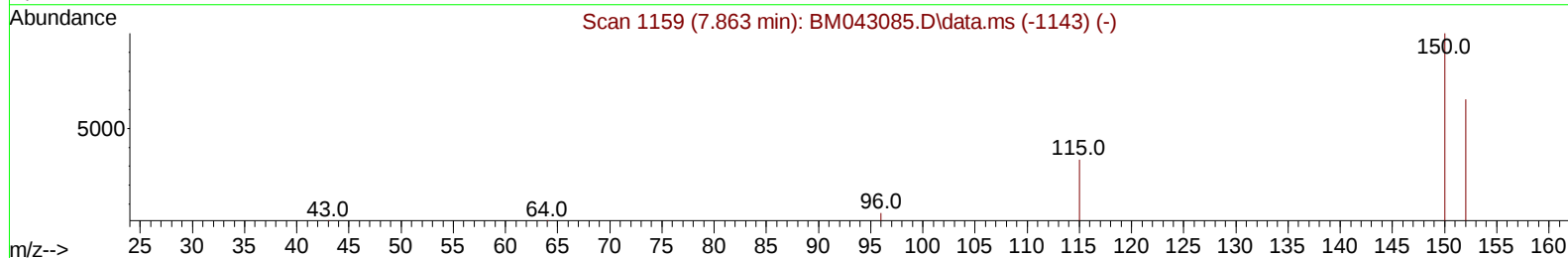
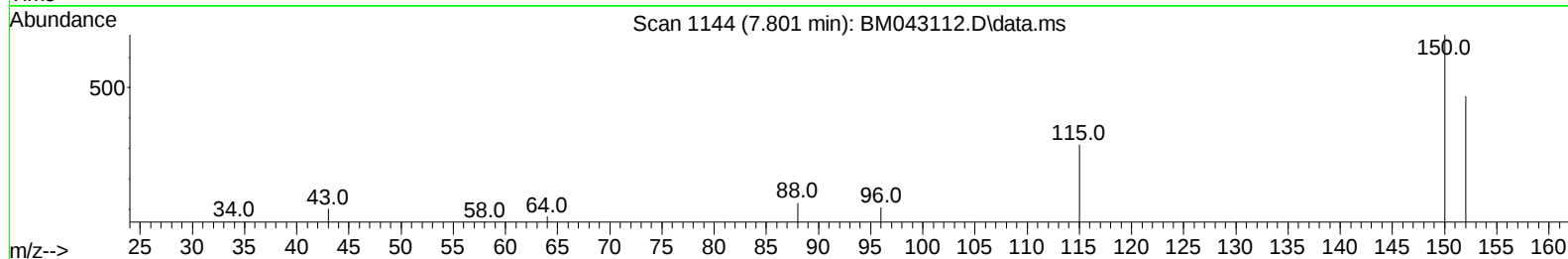
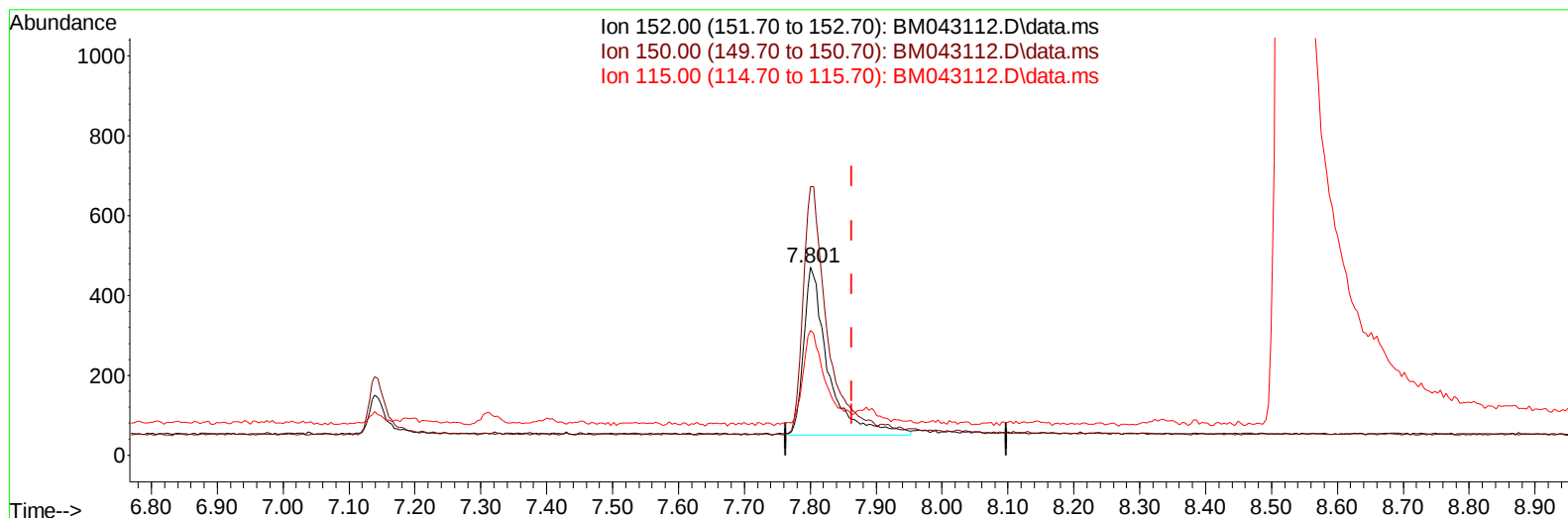
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 ClientSampleId :
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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043112.D\data.ms

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

7.801min (-0.062) 0.40 ng/ul m

response 1086

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	143.10
115.00	89.60	66.45#
0.00	0.00	0.00

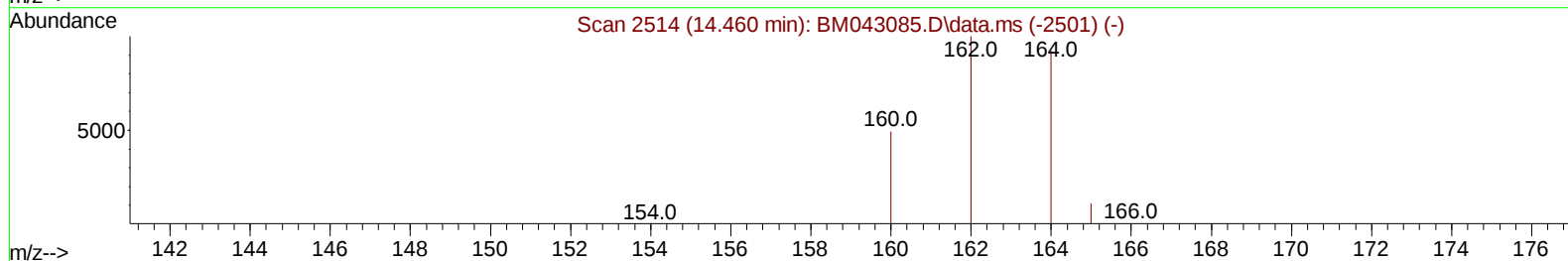
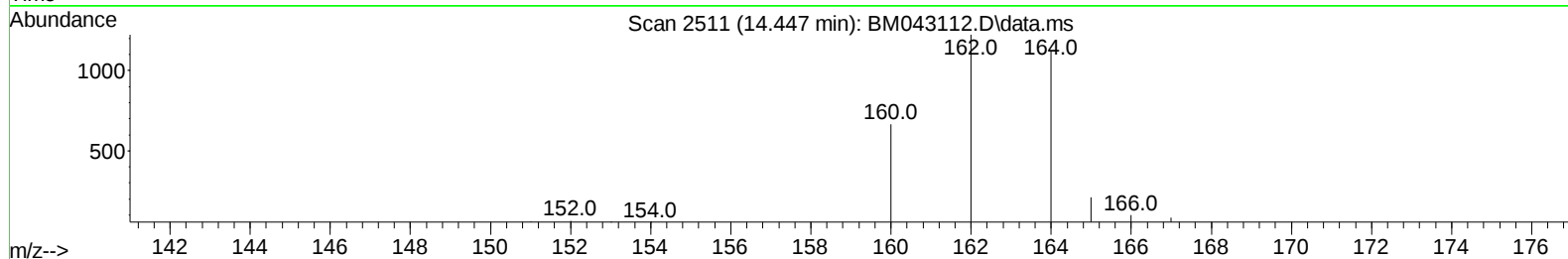
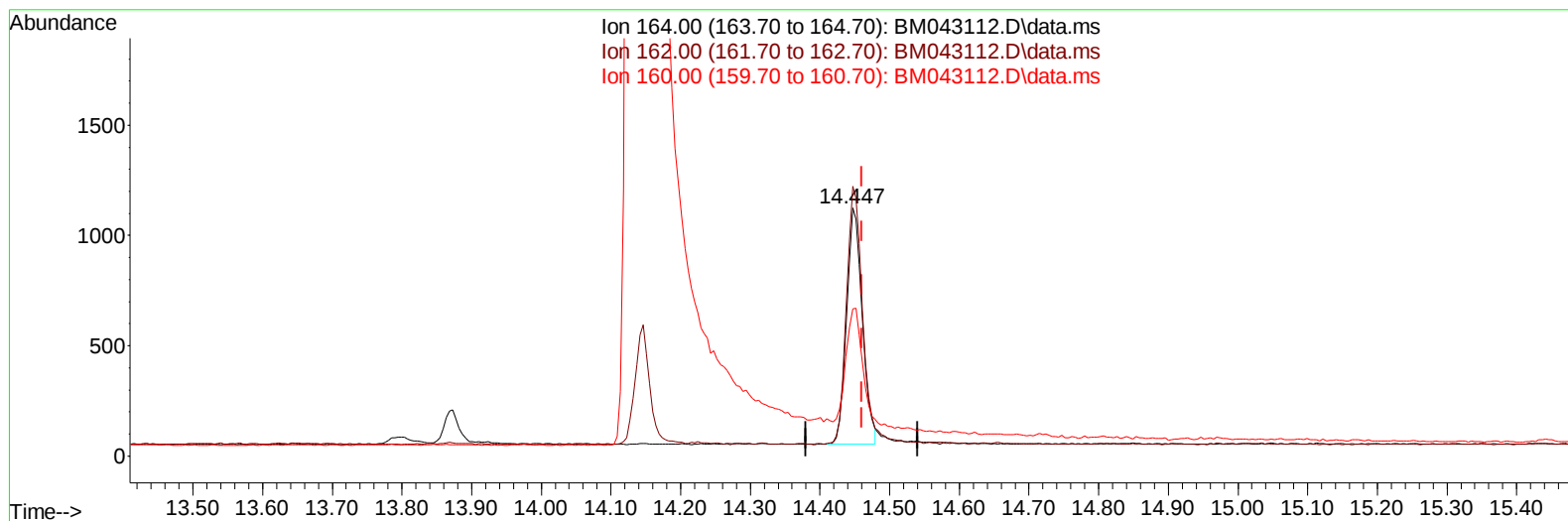
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043112.D
Acq On : 01 Dec 2023 08:09
Operator : MA/JU
Sample : 05459-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM043112.D\data.ms

(9) Acenaphthene-d10 (I)

14.447min (-0.014) 0.40 ng/u1

response 1658

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	108.72
160.00	57.20	59.34
0.00	0.00	0.00

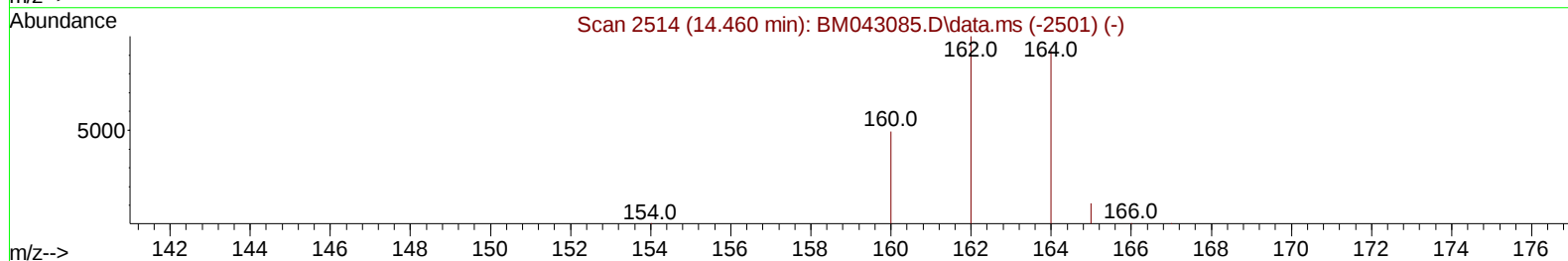
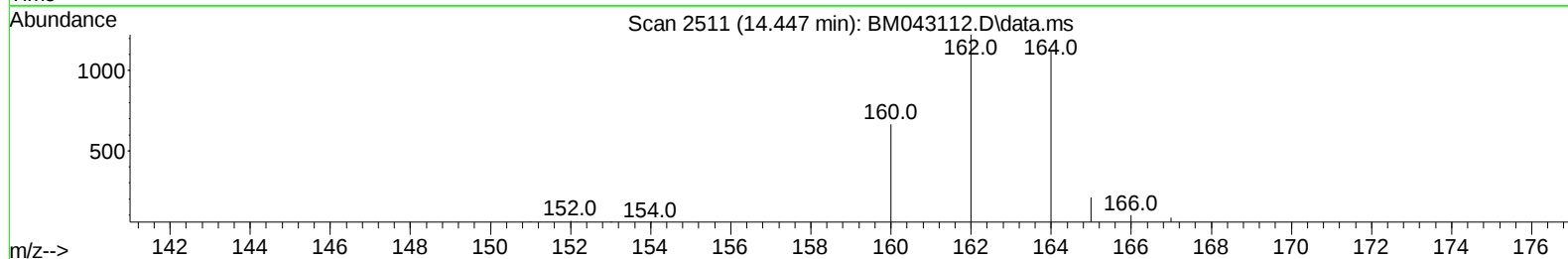
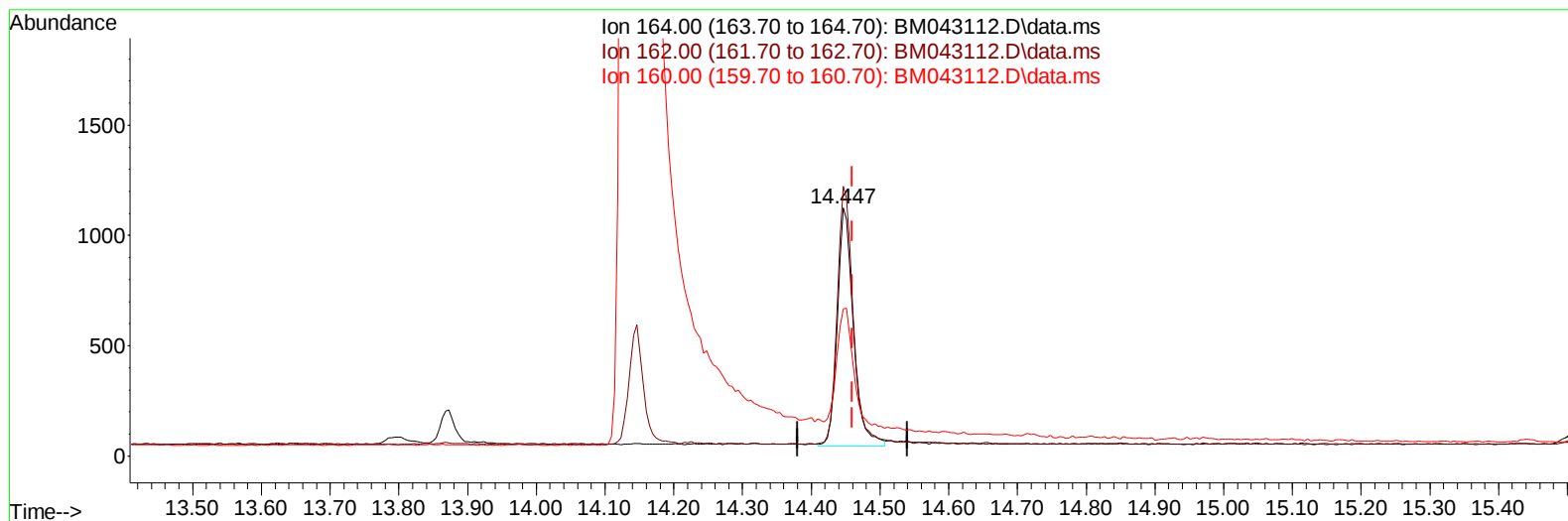
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043112.D
Acq On : 01 Dec 2023 08:09
Operator : MA/JU
Sample : 05459-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AA4

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:17:43 2023
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Supervised By :mohammad ahmed 12/04/2023



TIC: BM043112.D\data.ms

(9) Acenaphthene-d10 (I)

14.447min (-0.014) 0.40 ng/ul m

response 1757

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	108.72
160.00	57.20	59.34
0.00	0.00	0.00

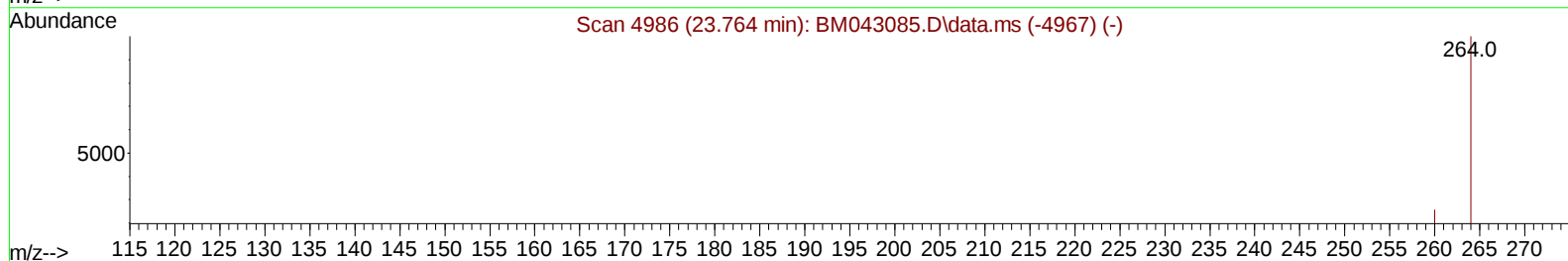
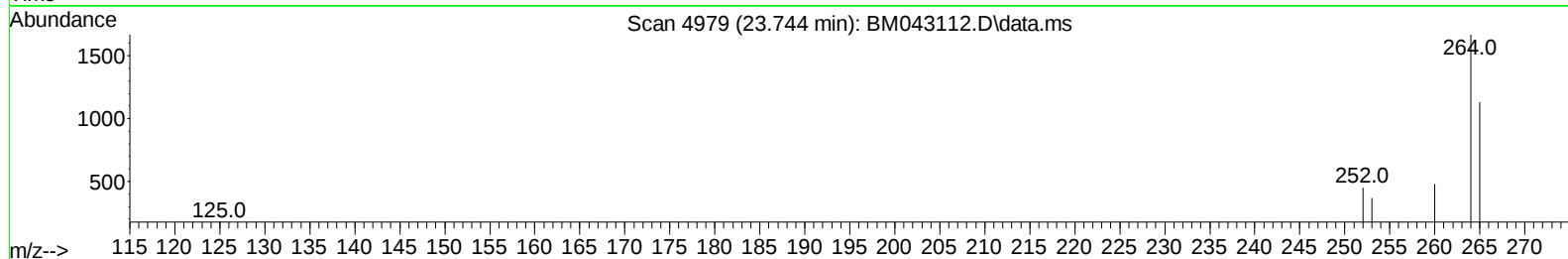
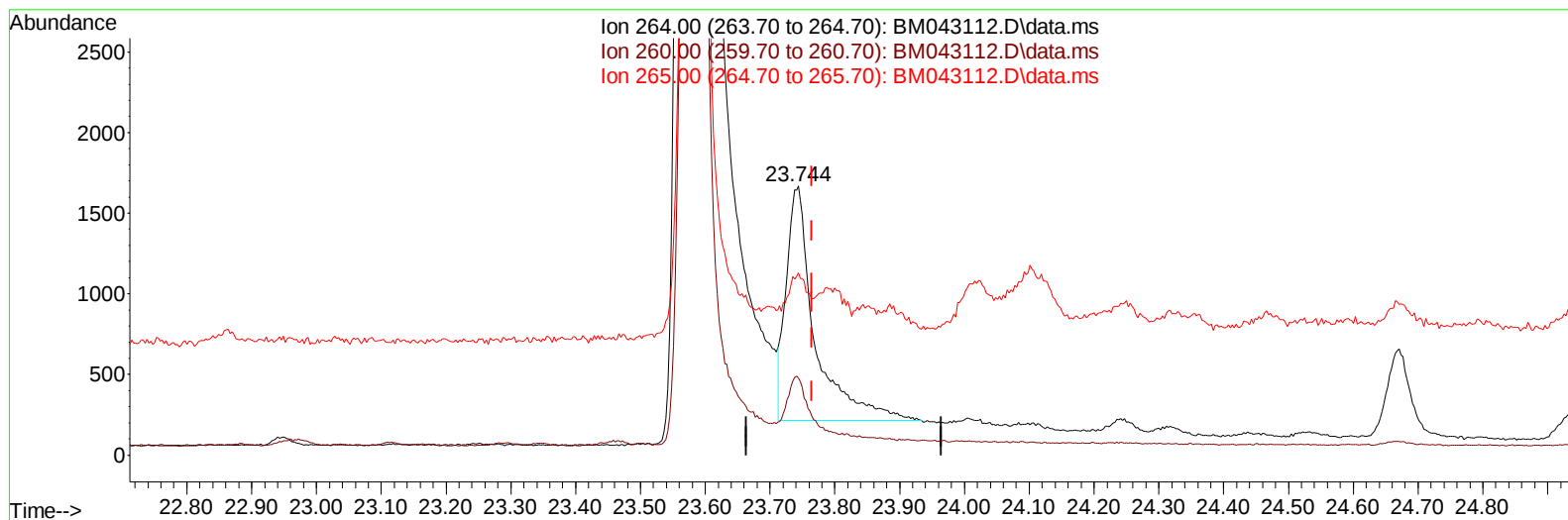
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043112.D
 Acq On : 01 Dec 2023 08:09
 Operator : MA/JU
 Sample : 05459-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA4

Manual IntegrationsAPPROVED

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TIC: BM043112.D\data.ms

(23) Perylene-d12 (I)

23.744min (-0.020) 0.40 ng/u1

response 4486

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.66
265.00	120.30	67.81#
0.00	0.00	0.00

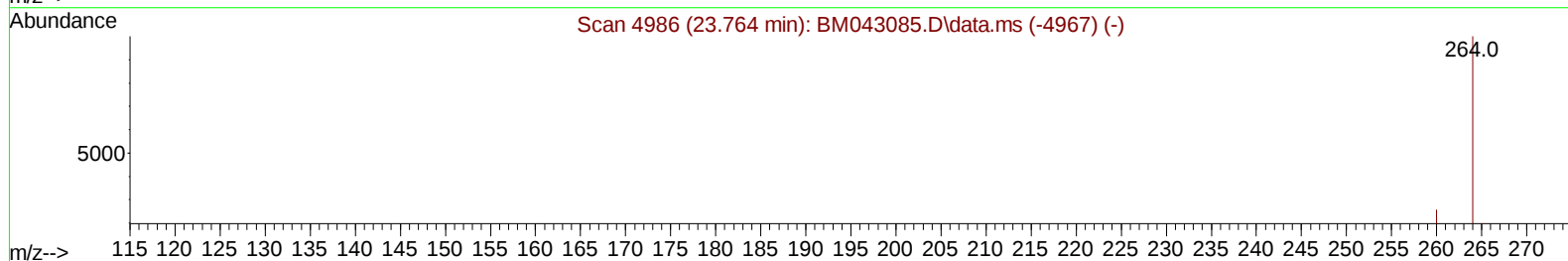
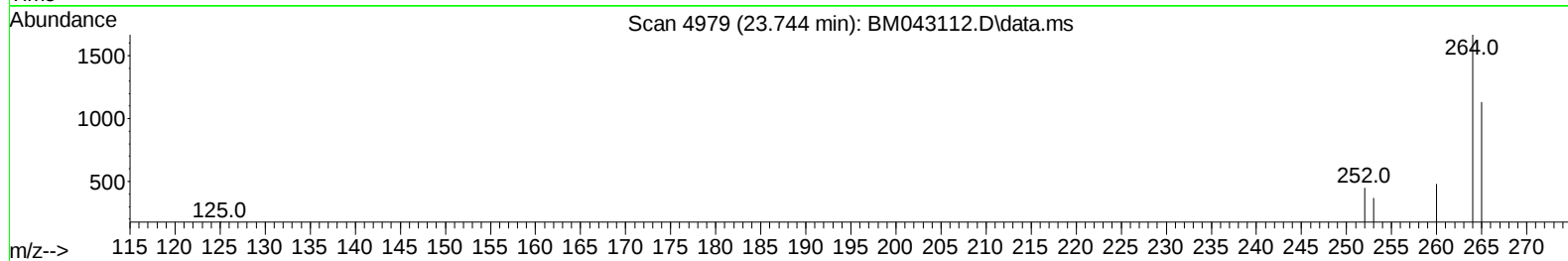
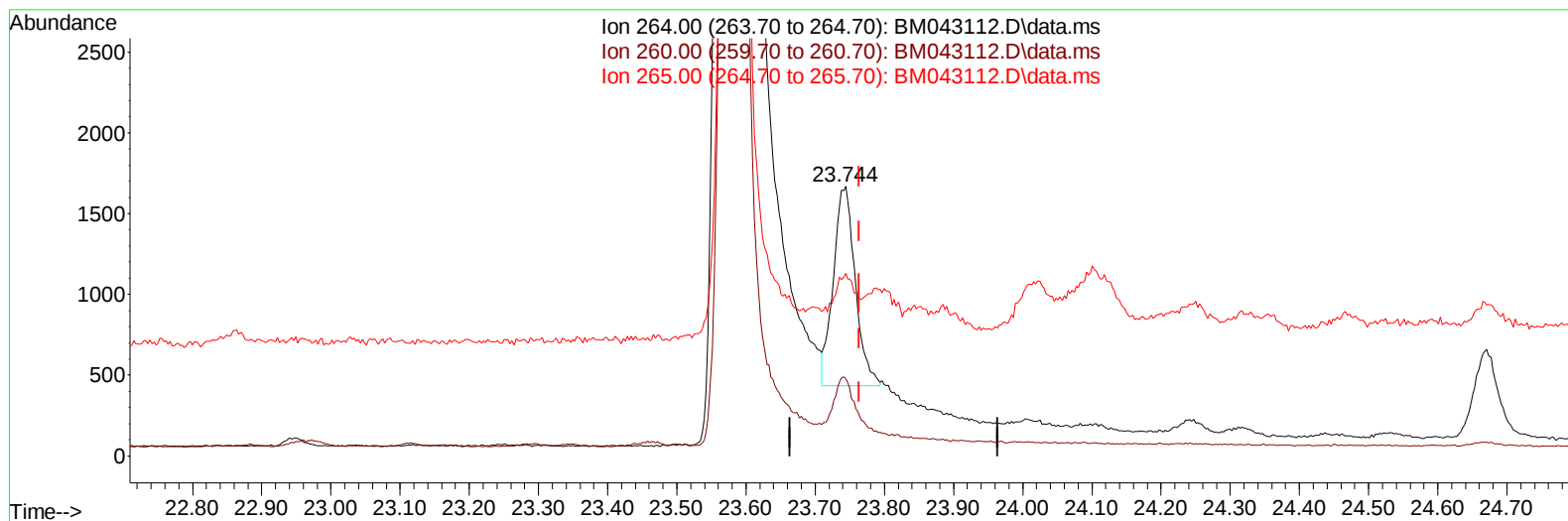
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043112.D
 Acq On : 01 Dec 2023 08:09
 Operator : MA/JU
 Sample : 05459-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA4

Manual IntegrationsAPPROVED

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



TIC: BM043112.D\data.ms

(23) Perylene-d12 (I)

23.744min (-0.020) 0.40 ng/ul m

response 2728

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.66
265.00	120.30	67.81#
0.00	0.00	0.00

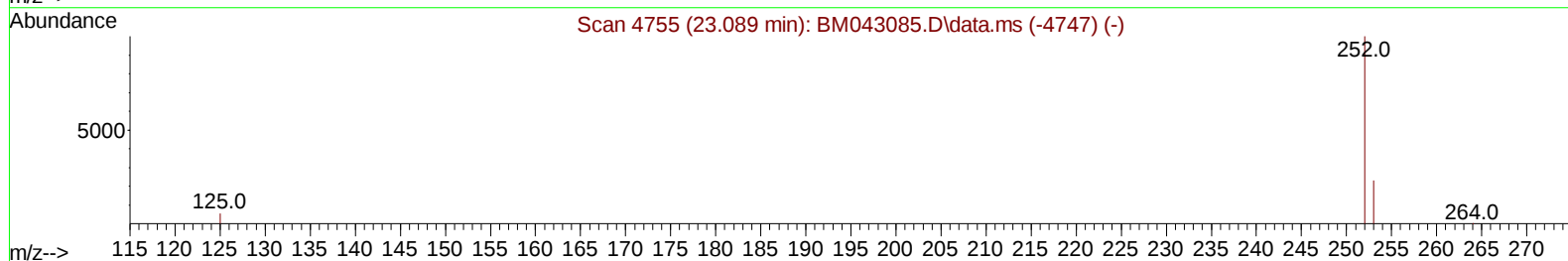
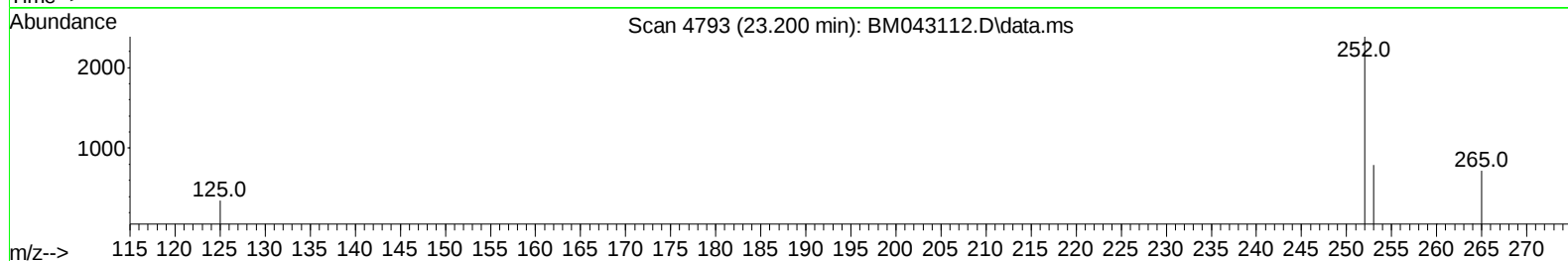
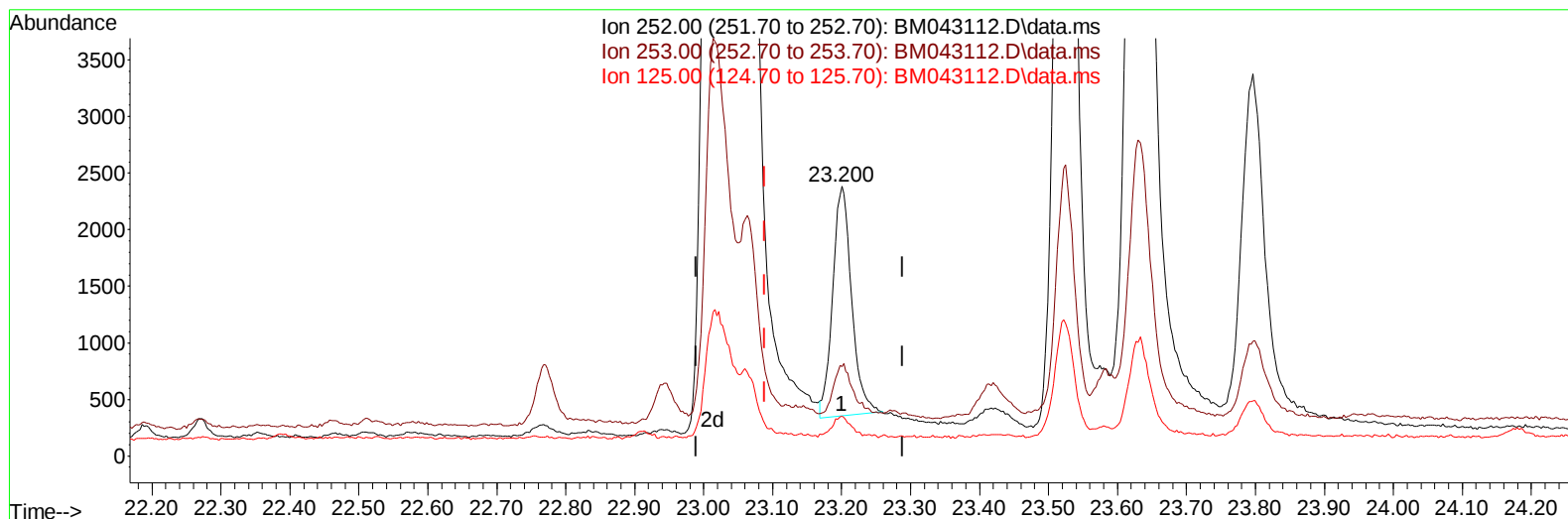
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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TIC: BM043112.D\data.ms

(25) Benzo(k)fluoranthene

23.200min (+ 0.111) 0.31 ng/u1

response 3879

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	33.17
125.00	13.80	14.65
0.00	0.00	0.00

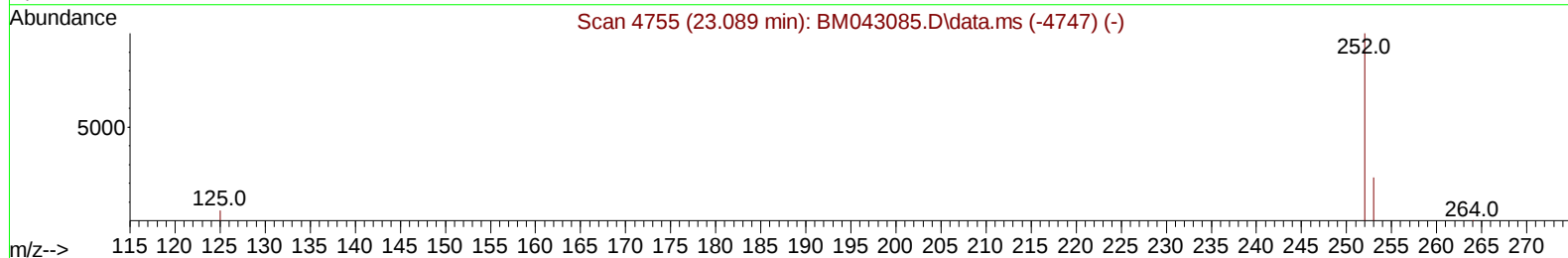
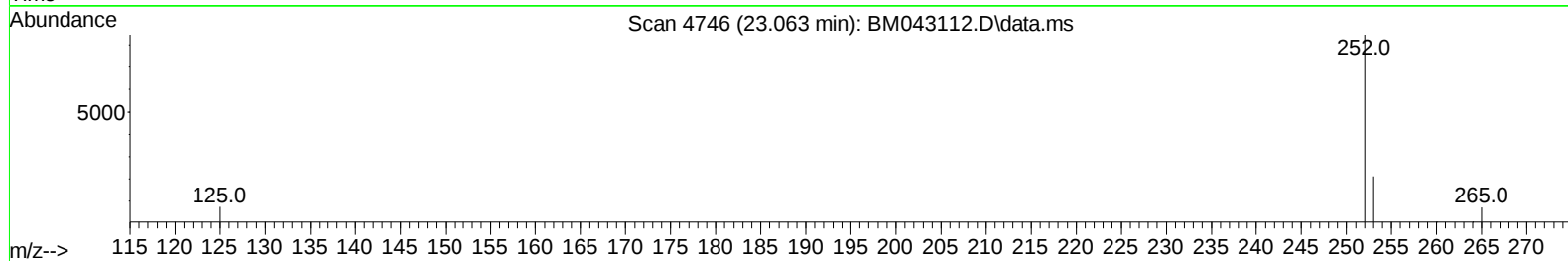
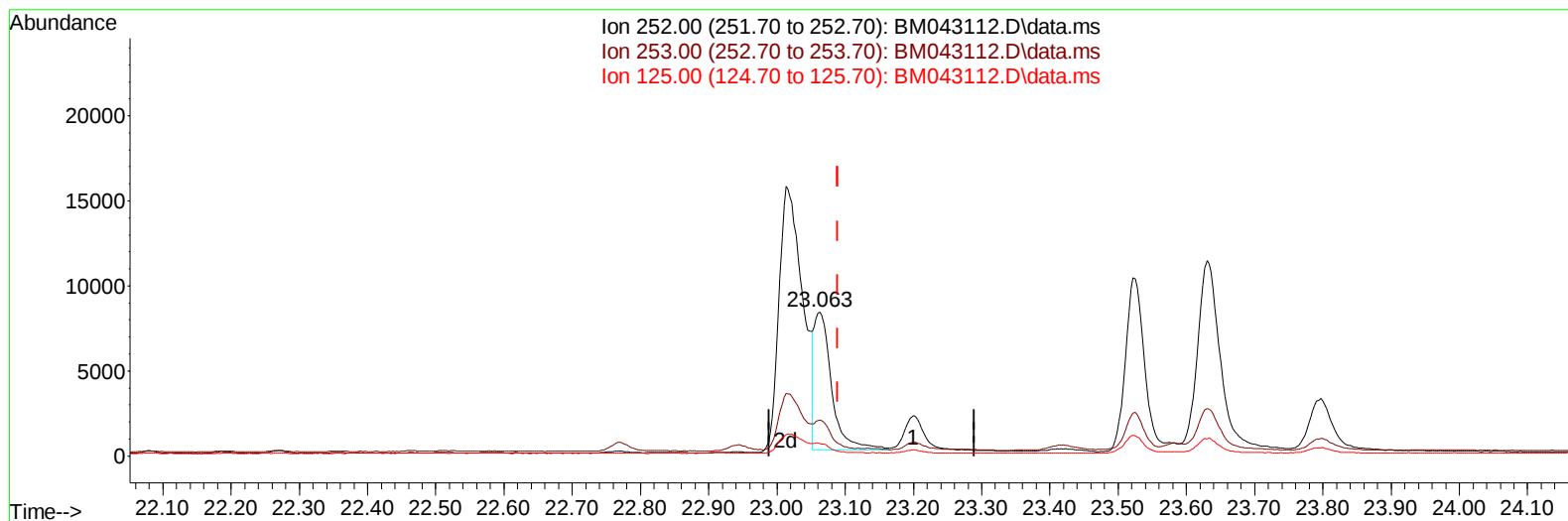
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 Acq On : 01 Dec 2023 08:09
 Operator : MA/JU
 Sample : 05459-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA4

Manual IntegrationsAPPROVED

Quant Time: Dec 01 23:17:43 2023
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Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043112.D\data.ms

(25) Benzo(k)fluoranthene

23.063min (-0.026) 1.15 ng/u1 m

response 14570

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	25.10#
125.00	13.80	8.73#
0.00	0.00	0.00

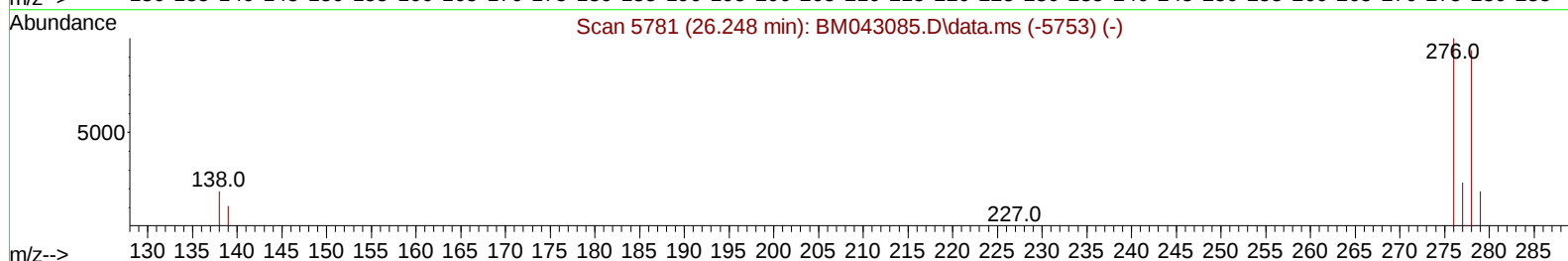
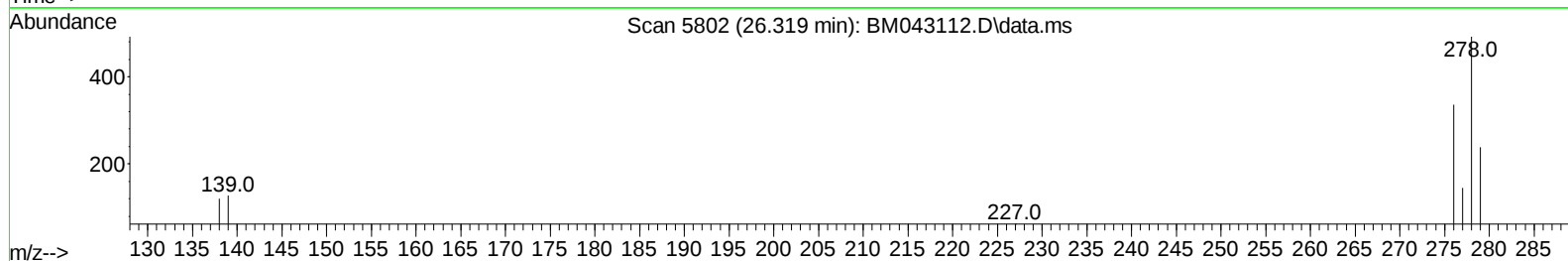
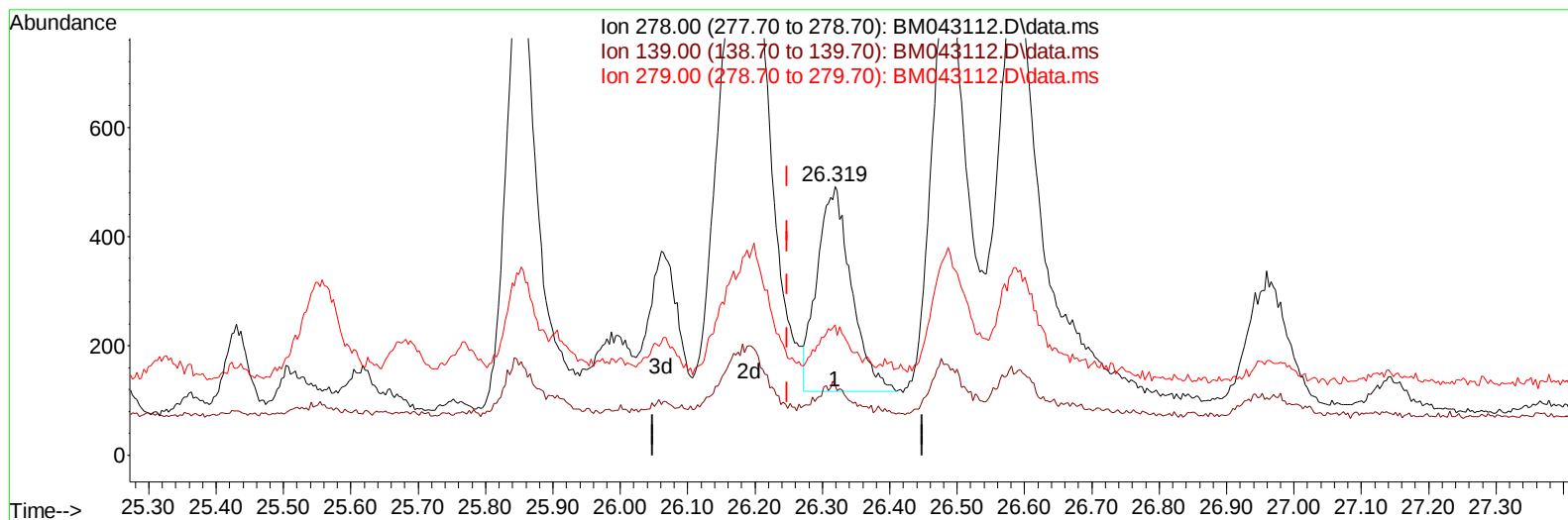
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TIC: BM043112.D\data.ms

(28) Dibenzo(a,h)anthracene

26.319min (+ 0.071) 0.13 ng/u1

response 1315

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.60	25.81
279.00	43.00	48.58
0.00	0.00	0.00

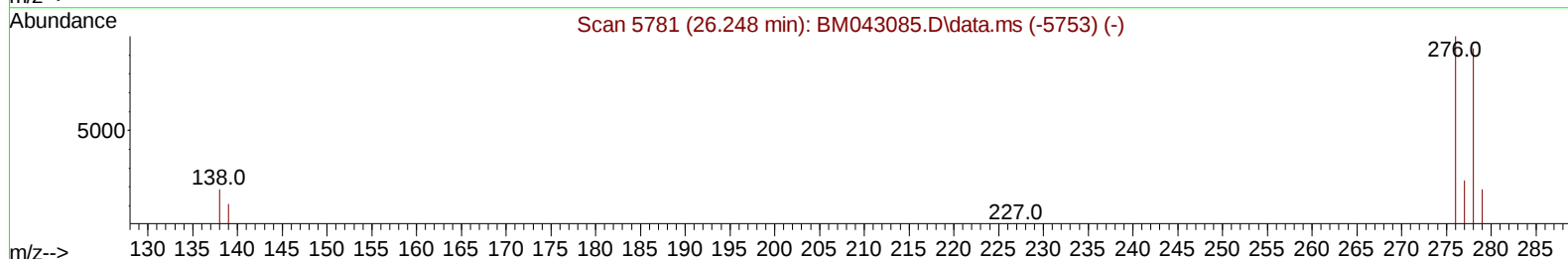
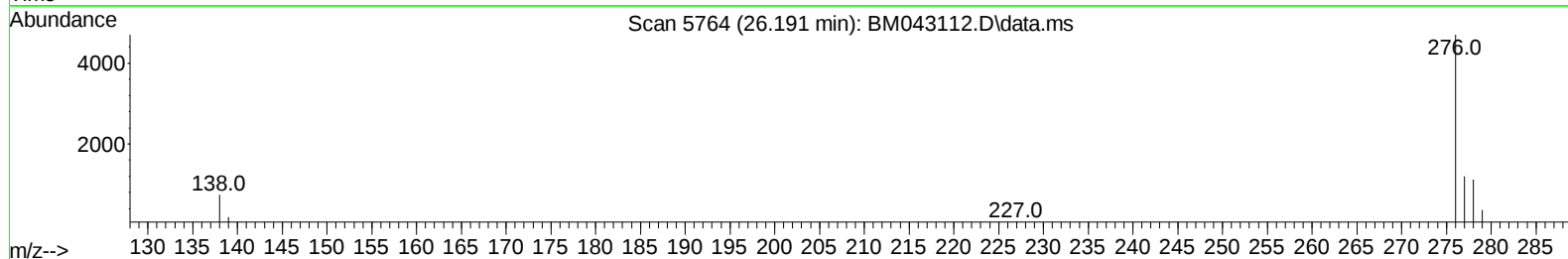
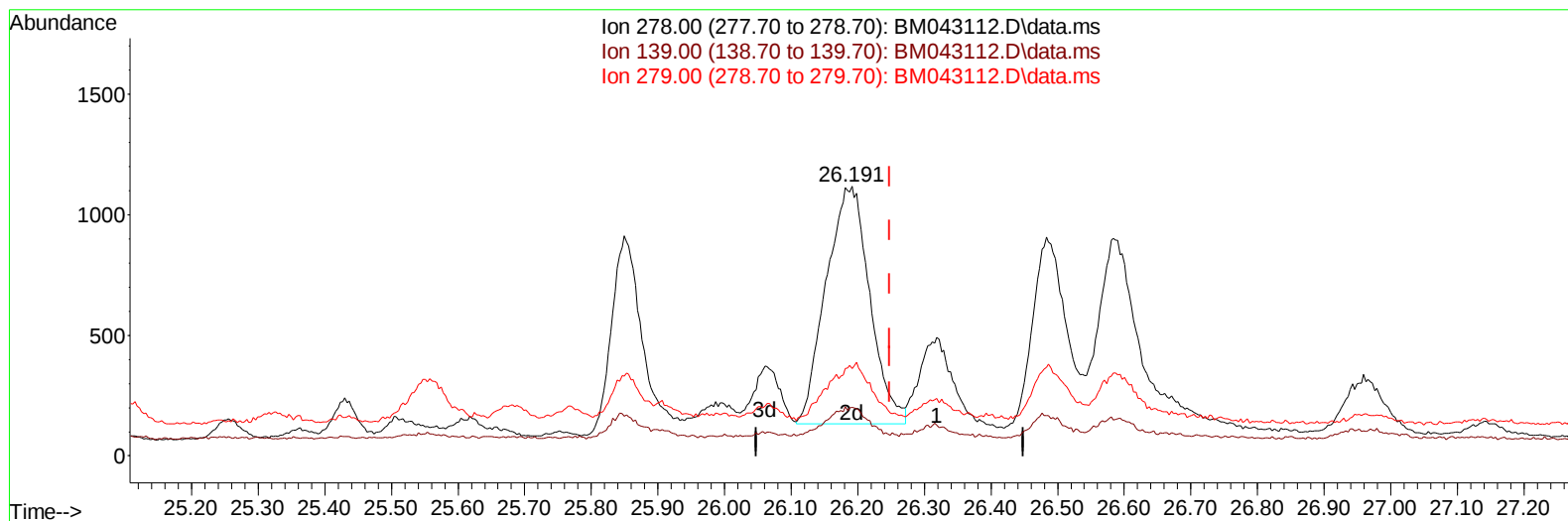
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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TIC: BM043112.D\data.ms

(28) Dibenzo(a,h)anthracene

26.191min (-0.057) 0.43 ng/ul m

response 4492

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.60	17.99#
279.00	43.00	32.32#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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 Operator : MA/JU
 Sample : 05459-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 C0AA4

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.801	152	1086m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.601	136	2959	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.447	164	1757m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.205	188	3566	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.394	240	2570	0.400	ng/ul	#-0.02
23) Perylene-d12	23.744	264	2728m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2572	1.544	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	1034	0.261	ng/ul	-0.03
18) Fluoranthene-d10	19.235	212	2453	0.262	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.651	128	1635	0.203	ng/ul	94
7) 2-Methylnaphthalene	12.284	142	894	0.188	ng/ul	100
8) 1-Methylnaphthalene	12.493	142	663	0.125	ng/ul	99
10) Acenaphthylene	14.178	152	241	0.027	ng/ul#	49
11) Acenaphthene	14.511	153	225	0.033	ng/ul#	90
12) Fluorene	15.501	166	457	0.066	ng/ul#	94
15) Phenanthrene	17.243	178	9417	0.925	ng/ul	94
16) Anthracene	17.340	178	4452	0.462	ng/ul	93
19) Fluoranthene	19.262	202	44423	3.049	ng/ul#	91
20) Pyrene	19.630	202	40675	2.625	ng/ul#	91
21) Benzo(a)anthracene	21.377	228	29351	3.520	ng/ul	95
22) Chrysene	21.432	228	28021	1.804	ng/ul	96
24) Benzo(b)fluoranthene	23.013	252	37569	4.081	ng/ul	80
25) Benzo(k)fluoranthene	23.063	252	14570m	1.149	ng/ul	
26) Benzo(a)pyrene	23.630	252	25100	2.498	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.181	276	19563	1.439	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.191	278	4492m	0.427	ng/ul	
29) Benzo(g,h,i)perylene	26.943	276	17940	1.356	ng/ul#	91

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

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