

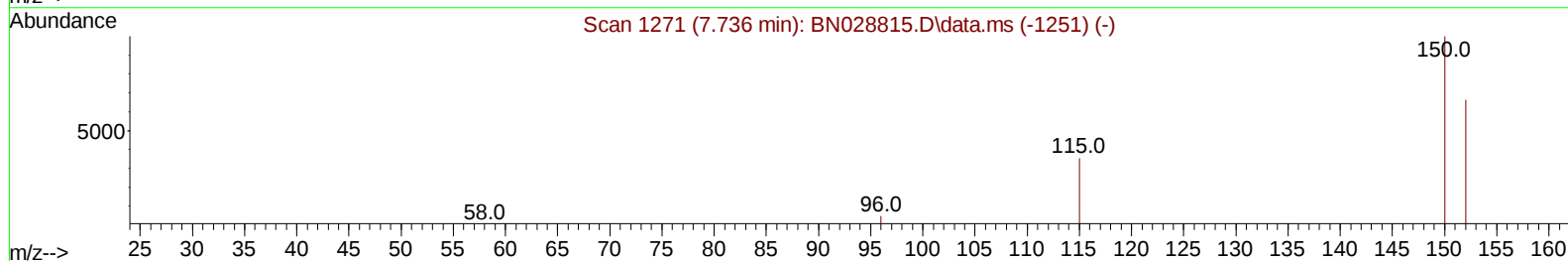
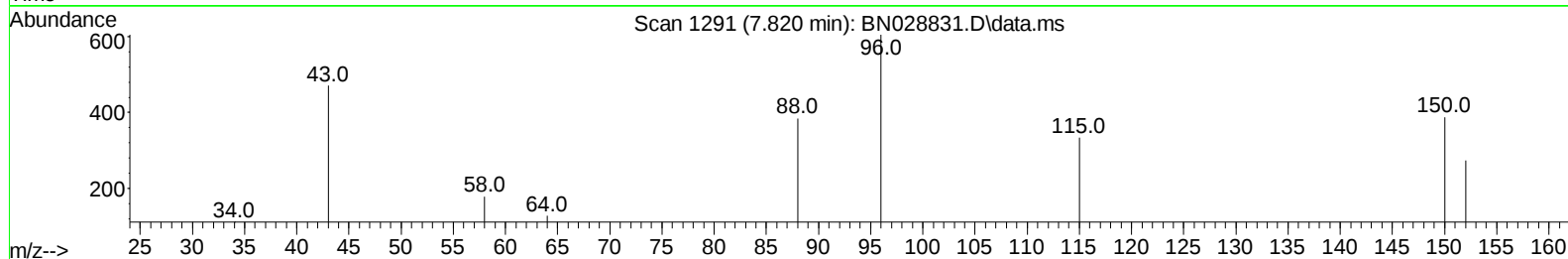
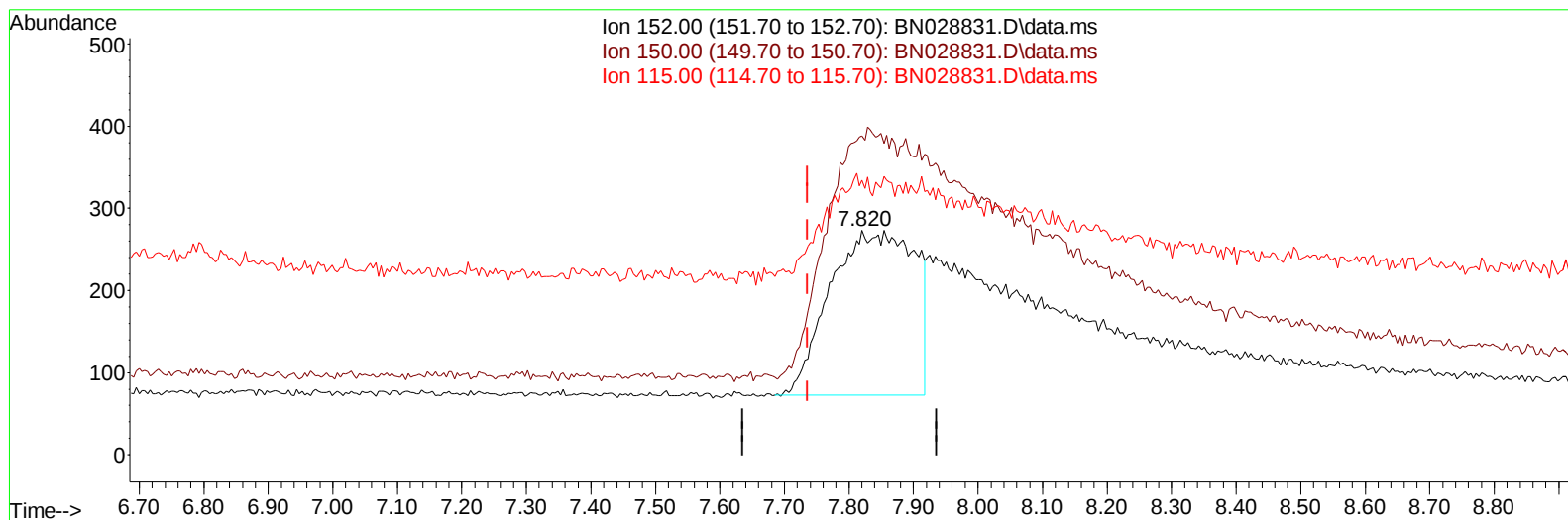
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
Data File : BN028831.D
Acq On : 22 Nov 2023 03:26
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 30 03:37:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

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

7.820min (+ 0.084) 0.40 ng/u1

response 1813

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	142.12
115.00	62.20	122.34#
0.00	0.00	0.00

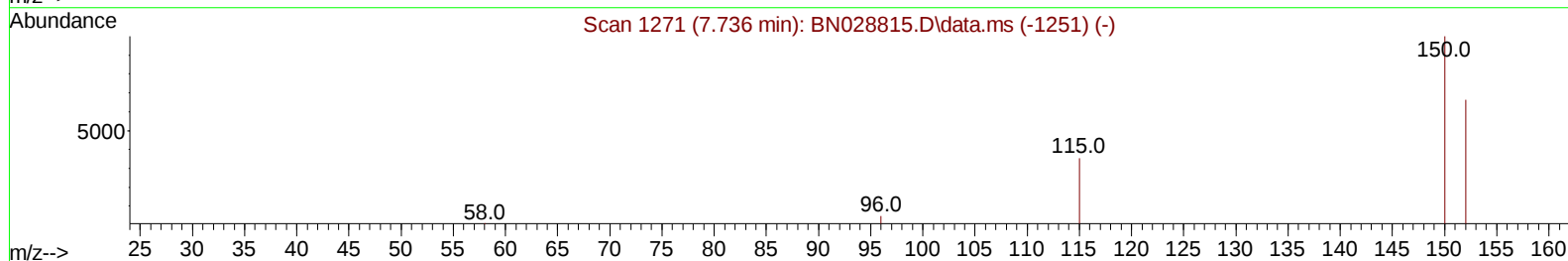
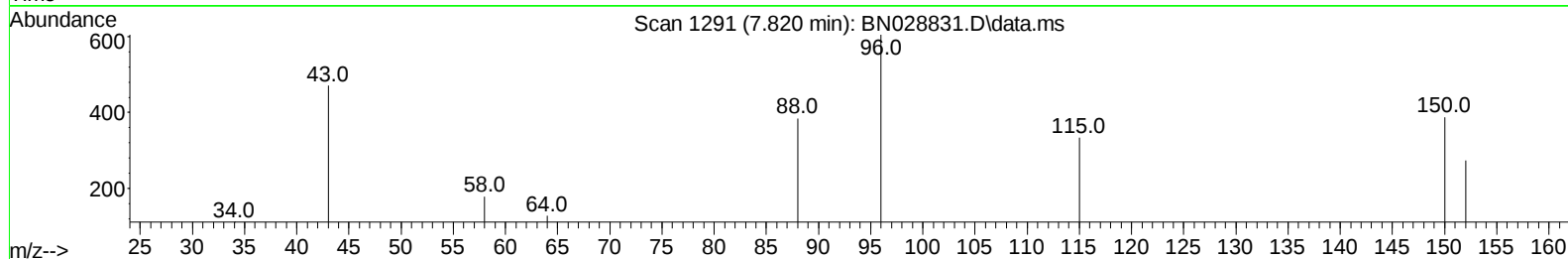
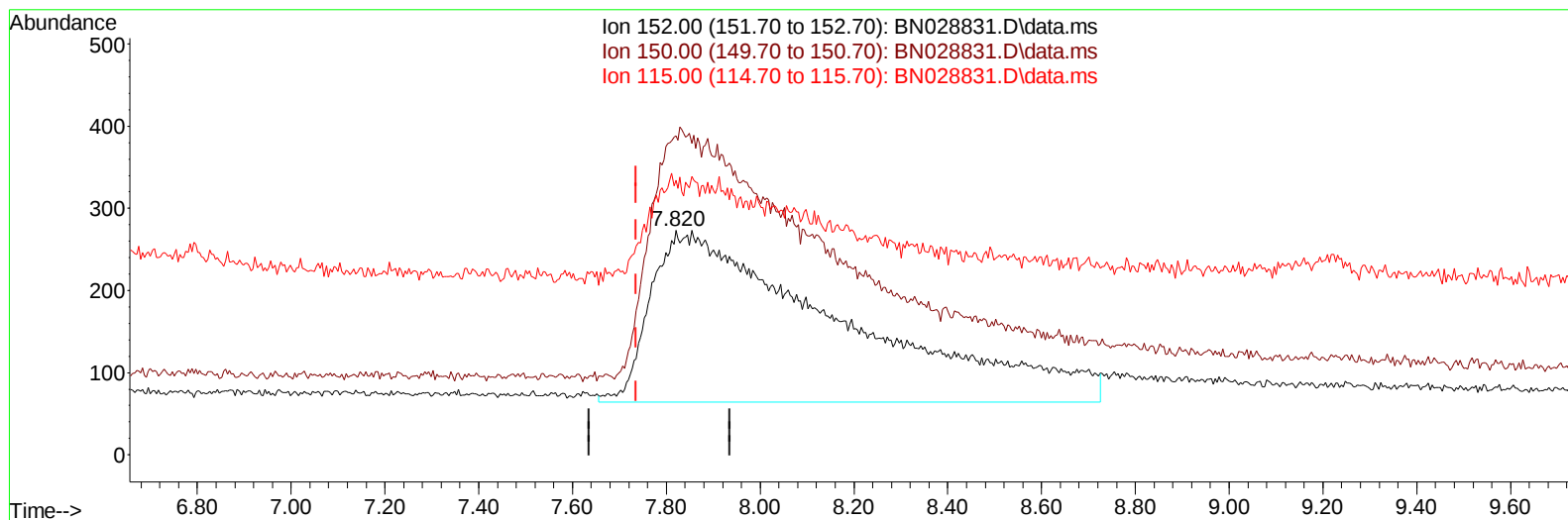
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
Data File : BN028831.D
Acq On : 22 Nov 2023 03:26
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:51:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

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

7.820min (+ 0.084) 0.40 ng/ul m

response 5922

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	142.12
115.00	62.20	122.34#
0.00	0.00	0.00

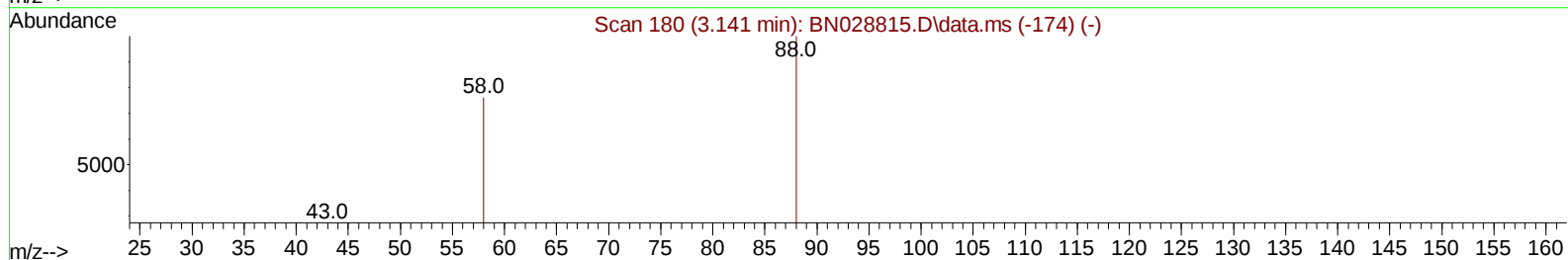
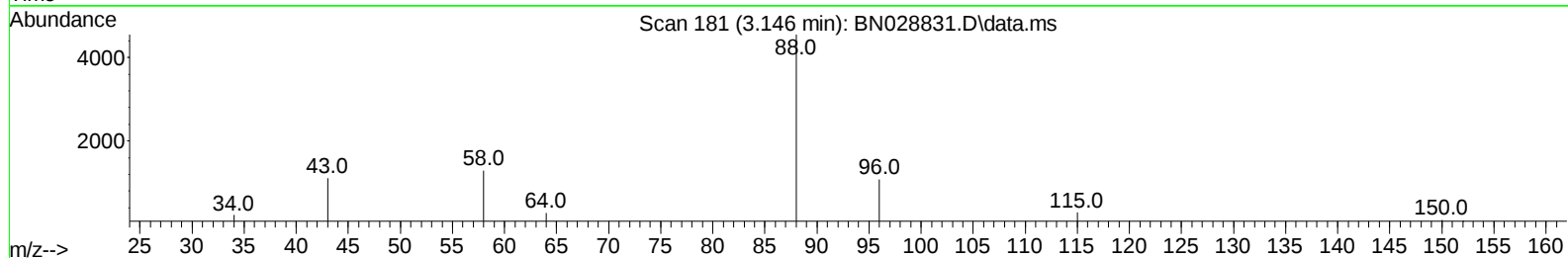
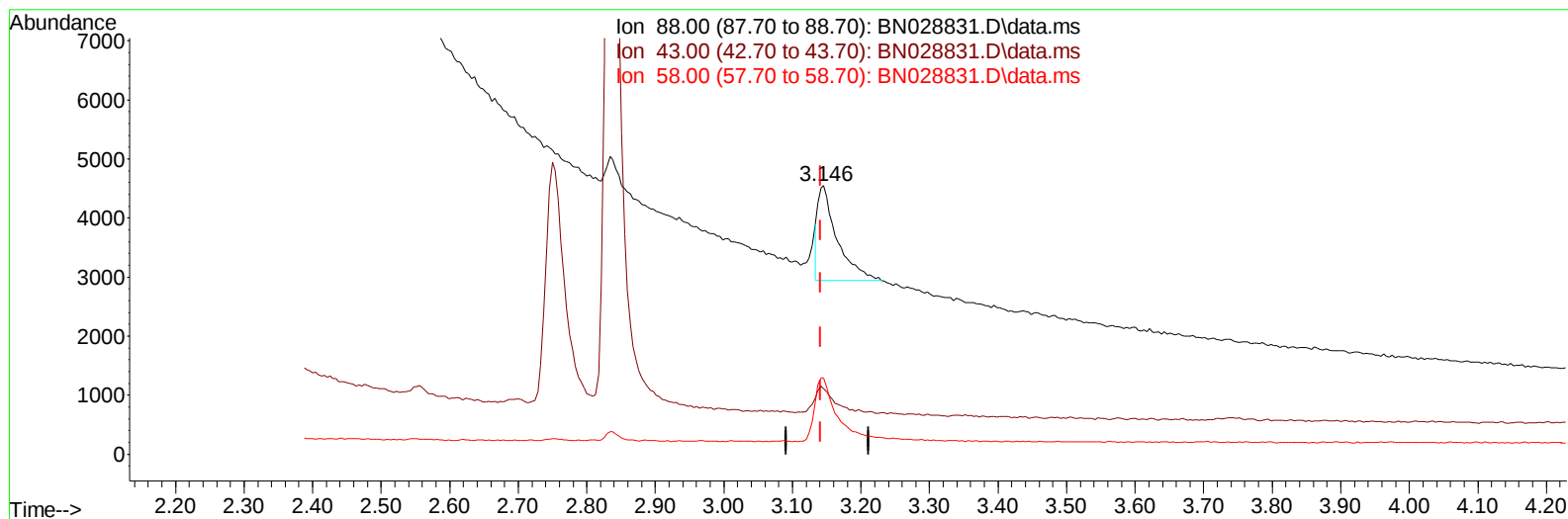
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 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

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TIC: BN028831.D\data.ms

(2) 1,4-Dioxane

3.146min (+ 0.004) 1.43 ng/u1

response 3160

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	41.10	24.44#
58.00	52.30	28.53#
0.00	0.00	0.00

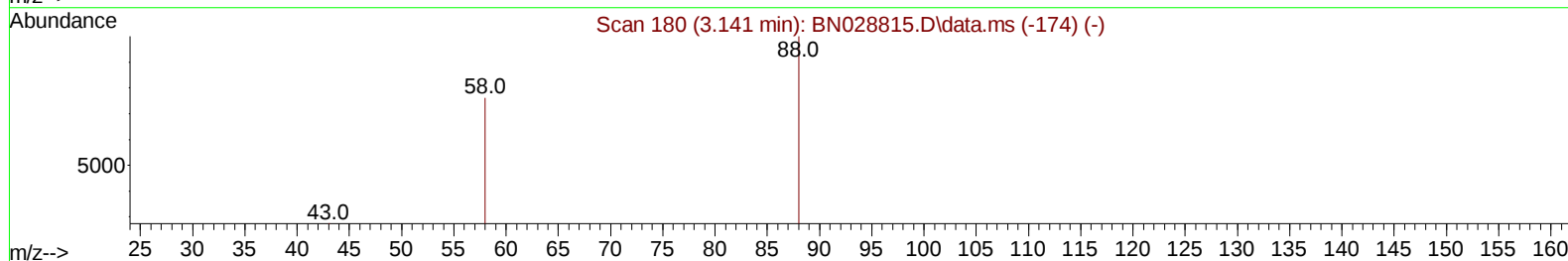
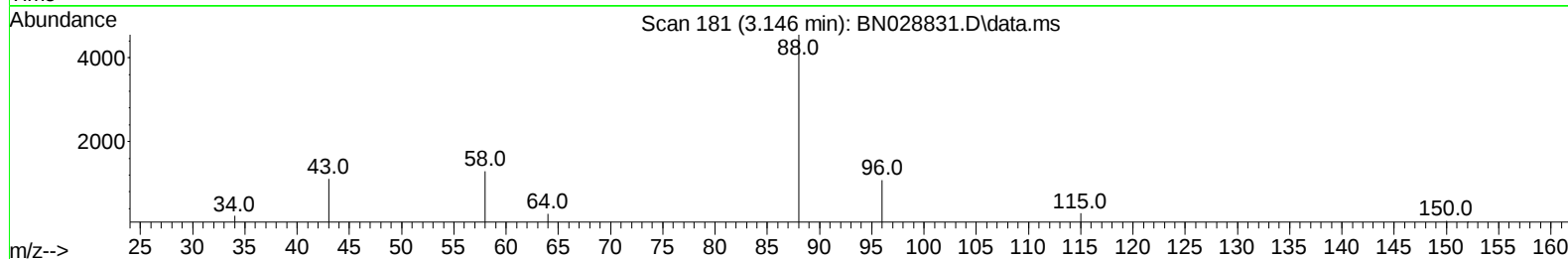
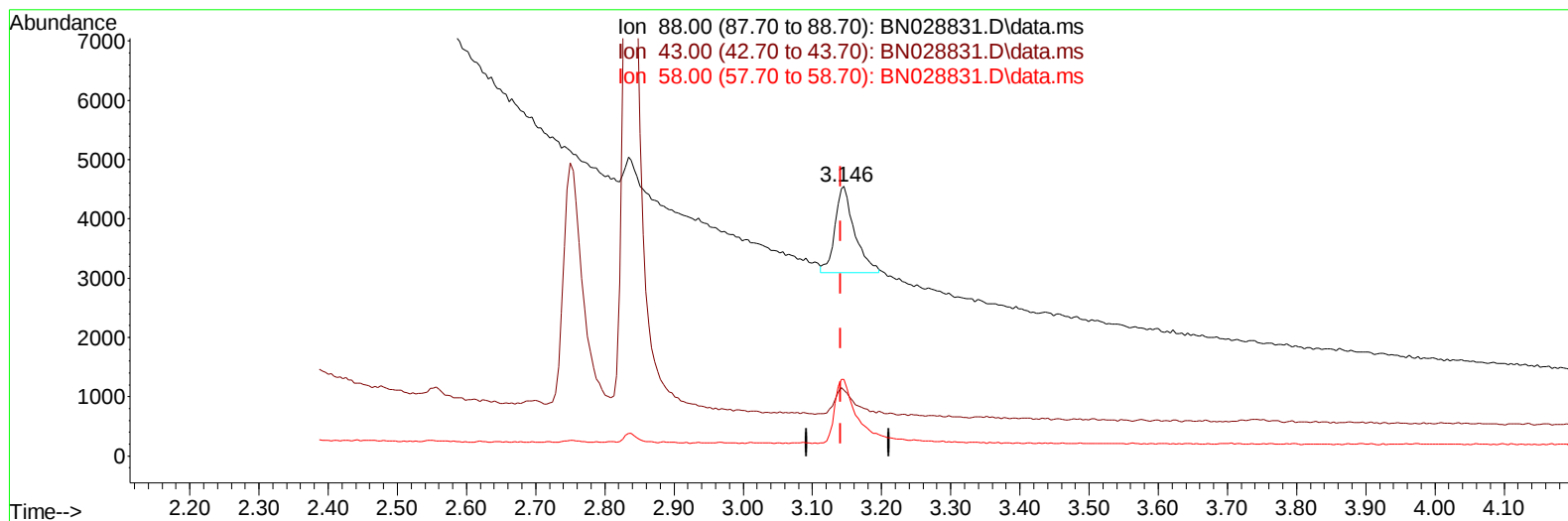
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
Data File : BN028831.D
Acq On : 22 Nov 2023 03:26
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

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TIC: BN028831.D\data.ms

(2) 1,4-Dioxane

3.146min (+ 0.004) 0.39 ng/ul m

response 2834

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	41.10	24.44#
58.00	52.30	28.53#
0.00	0.00	0.00

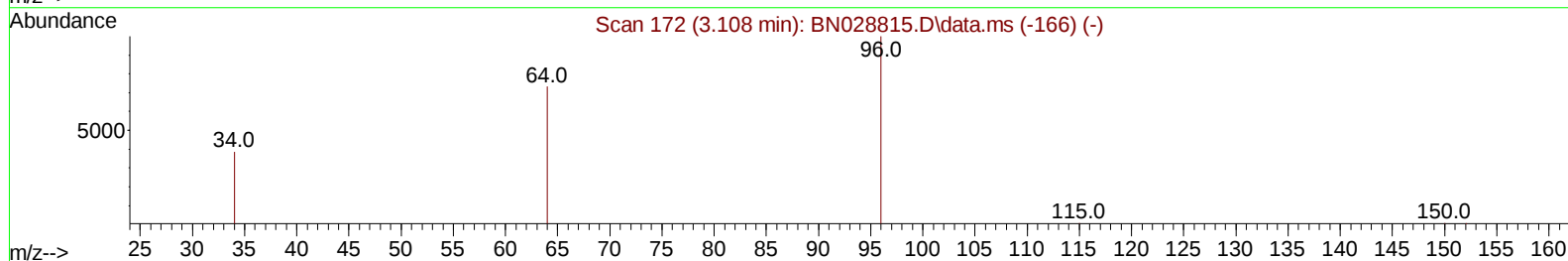
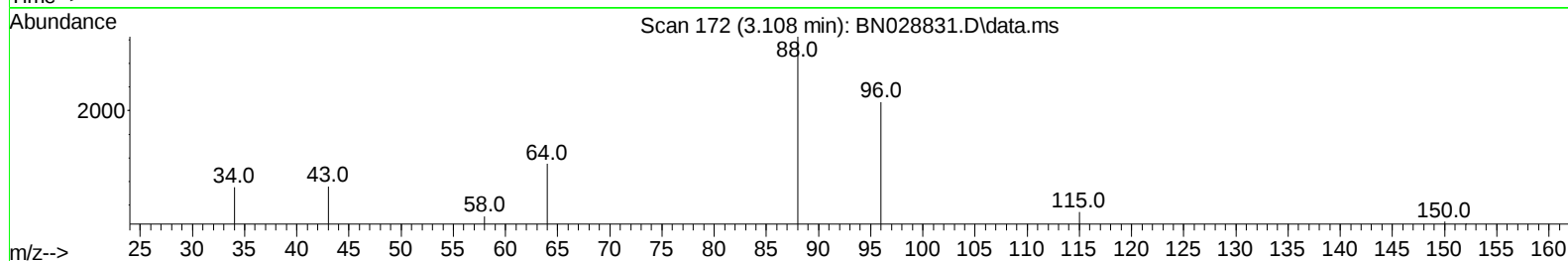
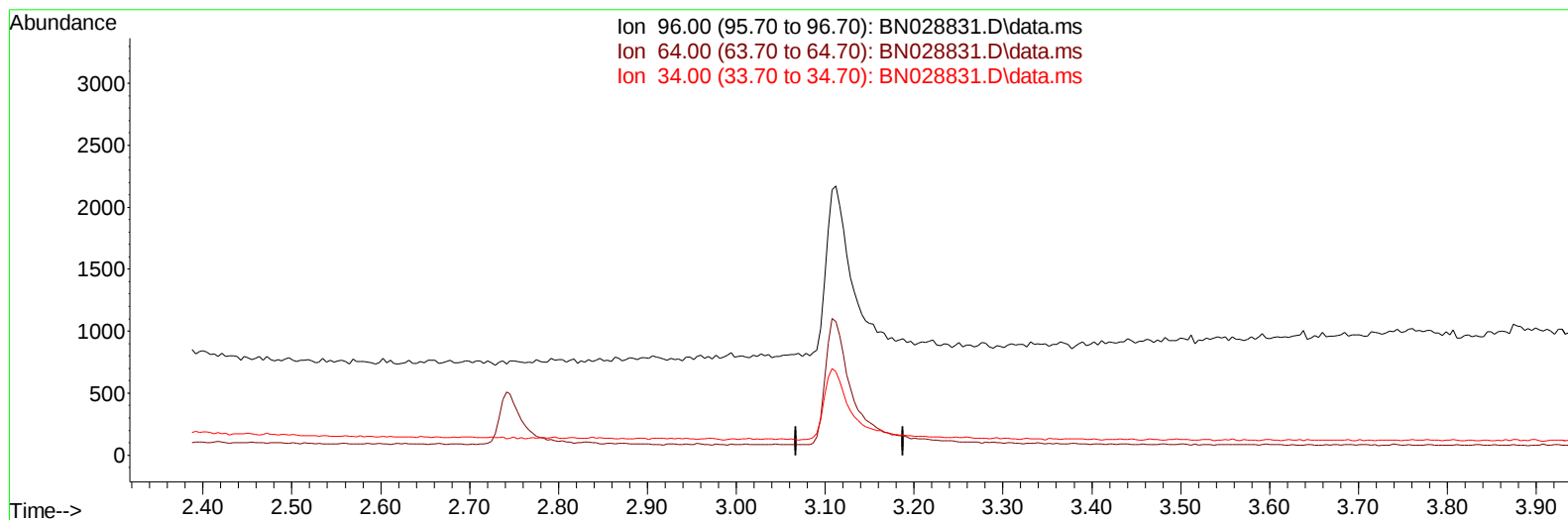
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
Data File : BN028831.D
Acq On : 22 Nov 2023 03:26
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

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TIC: BN028831.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.108min (-3.108) 0.00 ng/u1

response 0

Ion	Exp%	Act%
96.00	100.00	0.00
64.00	67.40	0.00#
34.00	38.60	0.00#
0.00	0.00	0.00

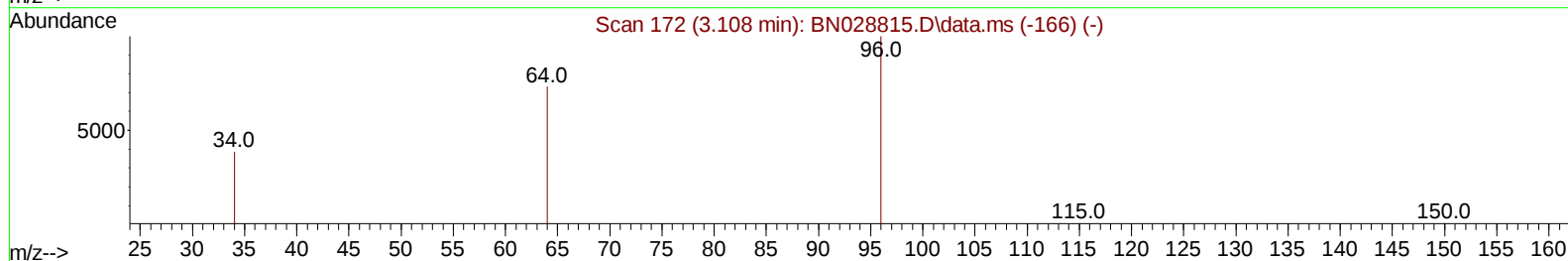
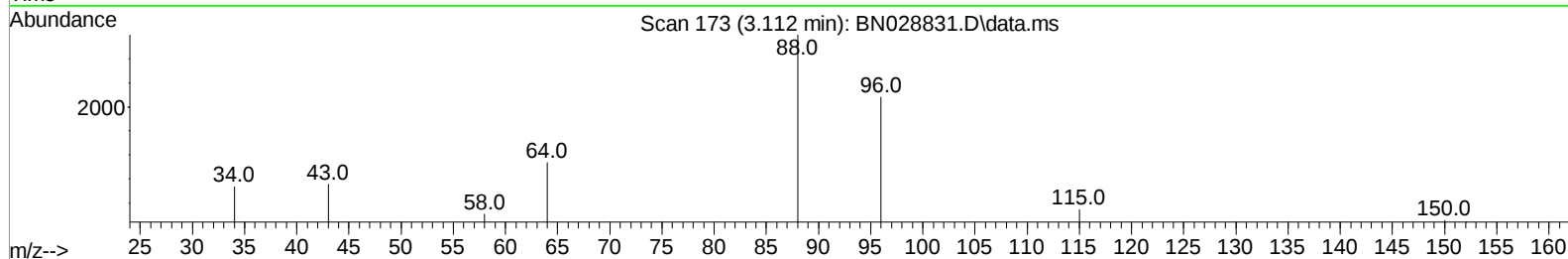
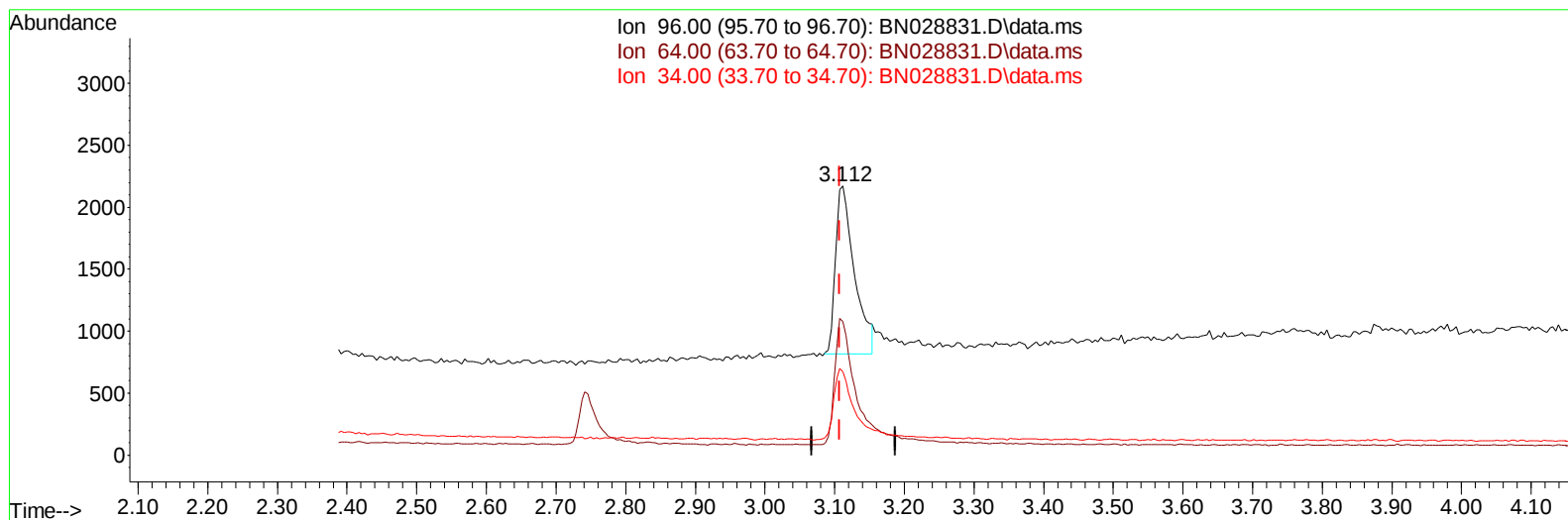
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:51:09 2023
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TIC: BN028831.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.112min (+ 0.004) 0.39 ng/ul m

response 2550

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	67.40	49.68#
34.00	38.60	30.92
0.00	0.00	0.00

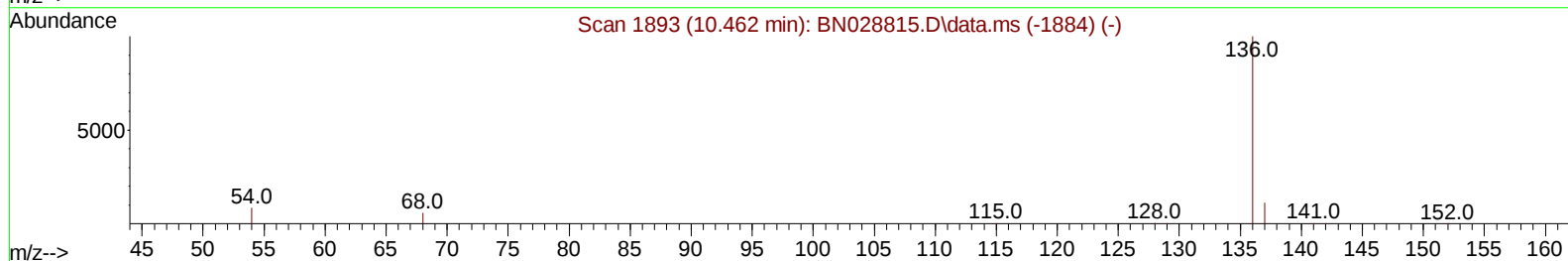
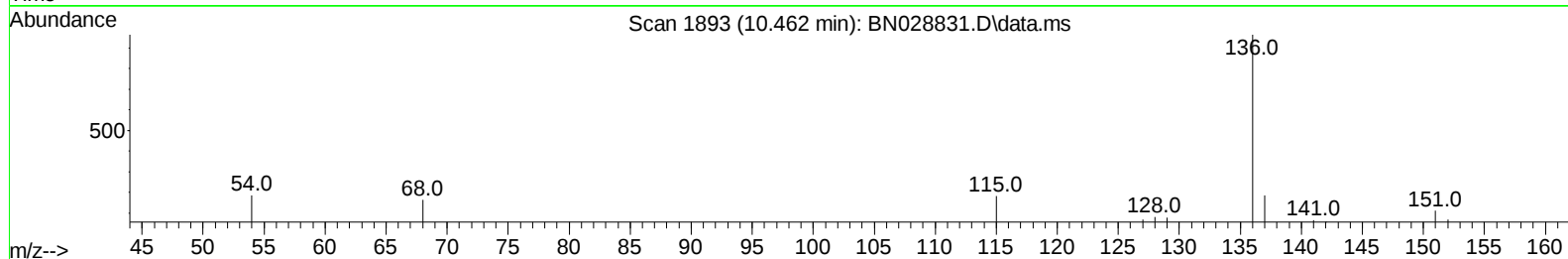
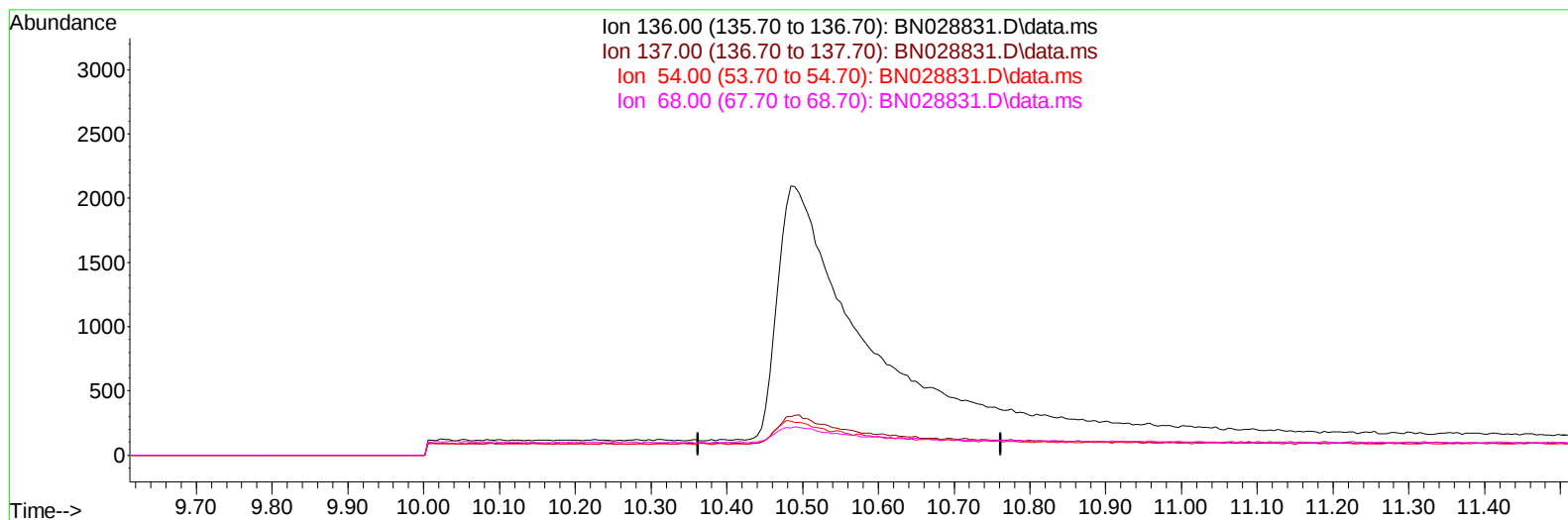
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

(4) Naphthalene-d8 (I)

10.462min (-10.462) 0.00 ng/u1

response 0

Ion	Exp%	Act%
136.00	100.00	0.00
137.00	11.20	0.00#
54.00	9.00	0.00#
68.00	7.10	0.00#

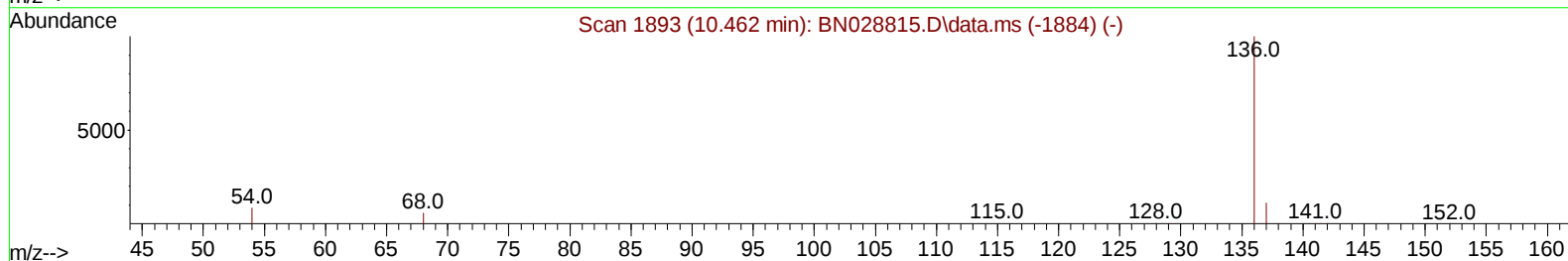
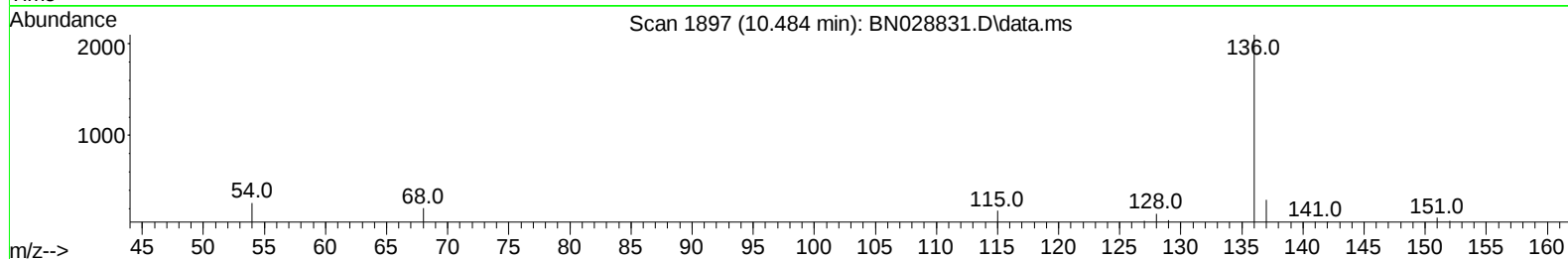
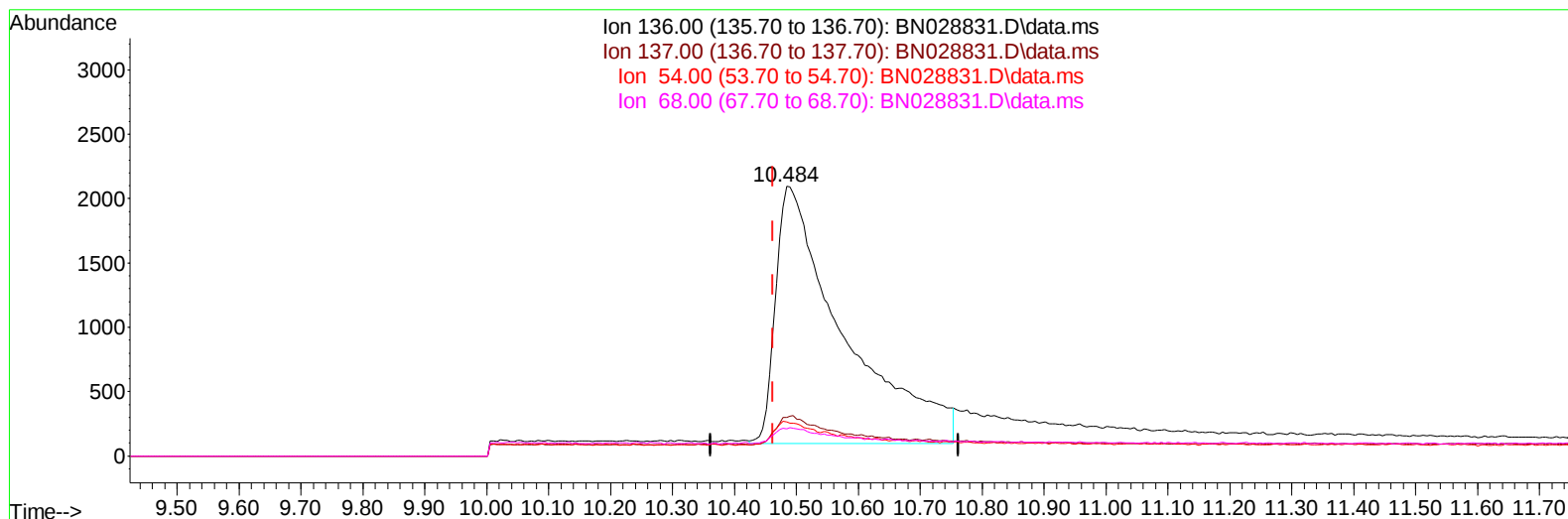
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 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:51:09 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 21 23:49:43 2023
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Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

(4) Naphthalene-d8 (I)

10.484min (+ 0.022) 0.40 ng/ul m

response 15250

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	14.23#
54.00	9.00	12.70#
68.00	7.10	10.08#

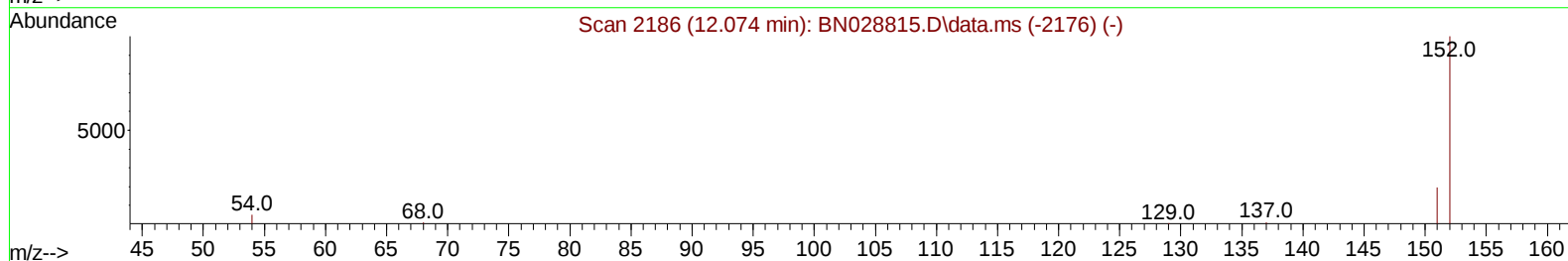
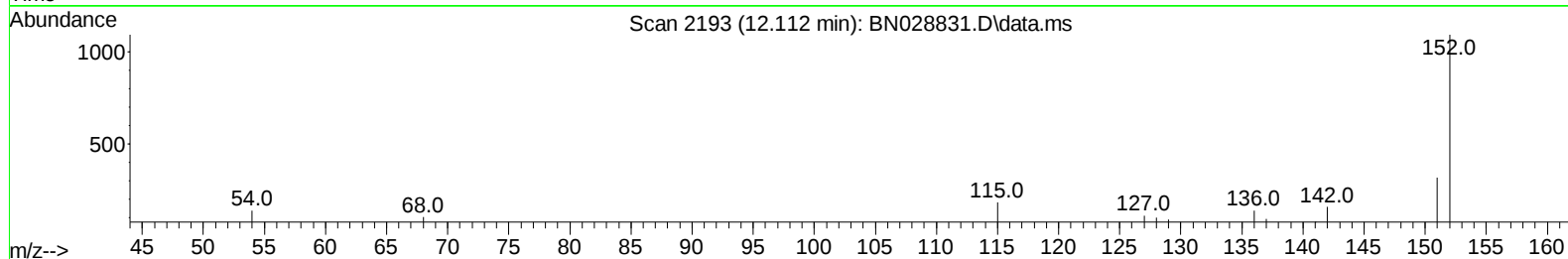
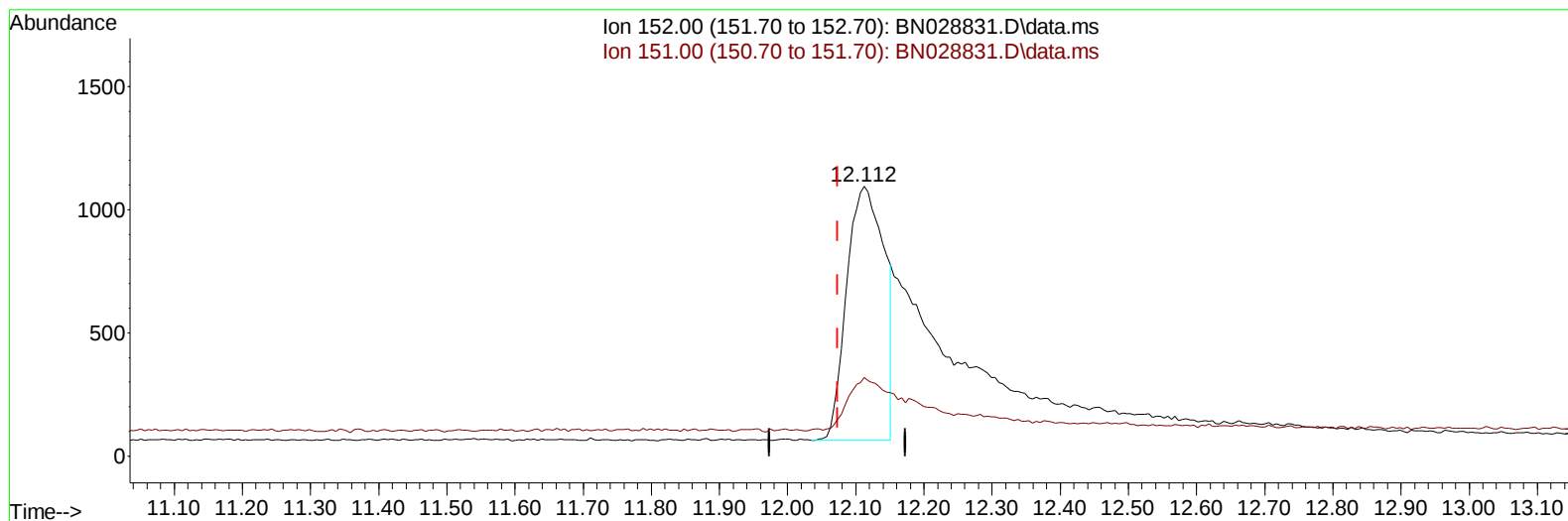
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
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 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

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TIC: BN028831.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.112min (+ 0.038) 0.00 ng/u1

response 3943

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	20.52
0.00	0.00	0.00
0.00	0.00	0.00

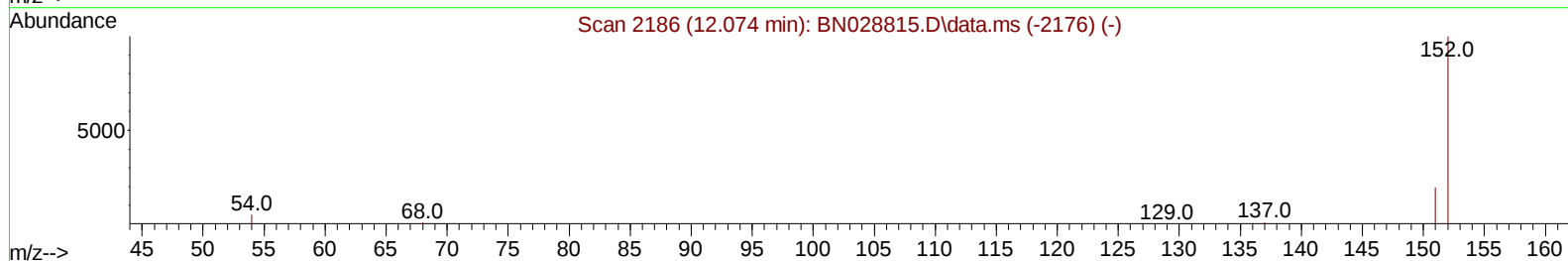
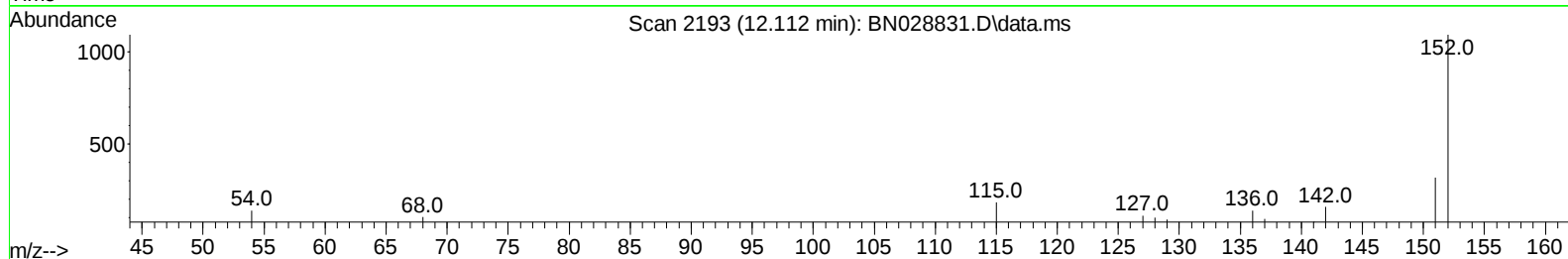
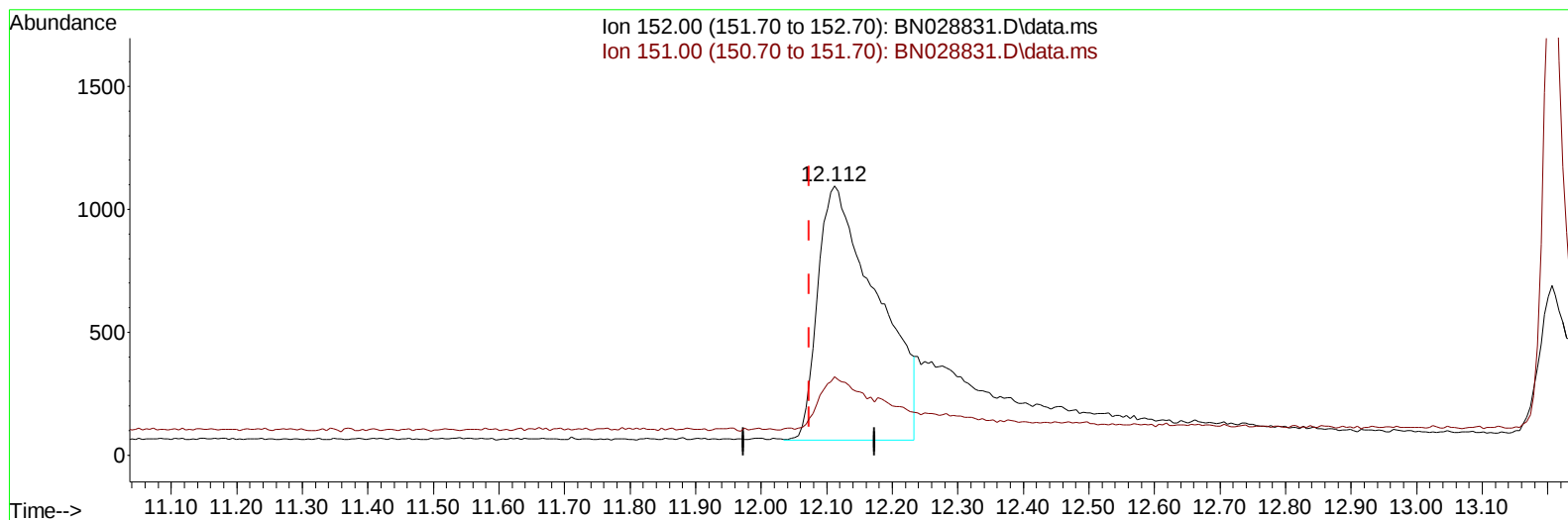
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 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.112min (+ 0.038) 0.28 ng/ul m

response 6465

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	12.51#
0.00	0.00	0.00
0.00	0.00	0.00

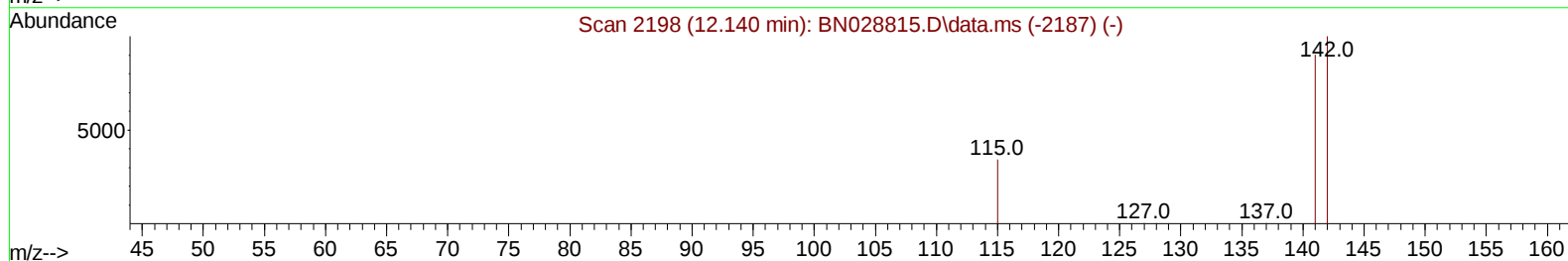
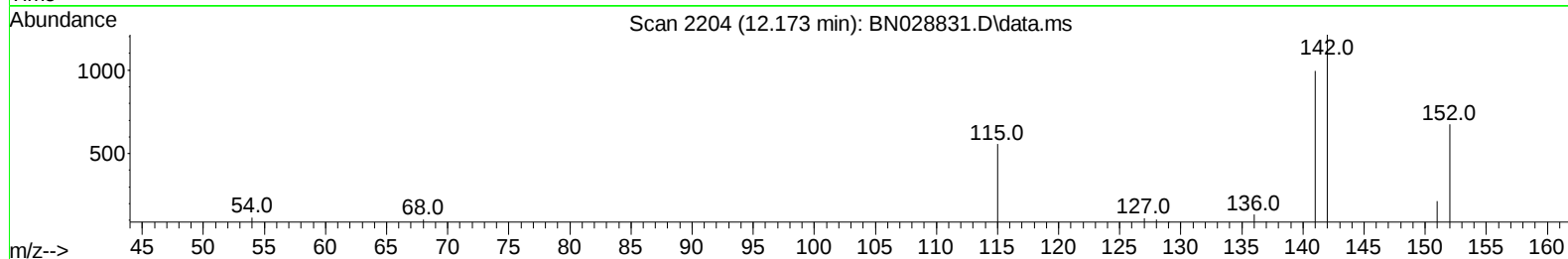
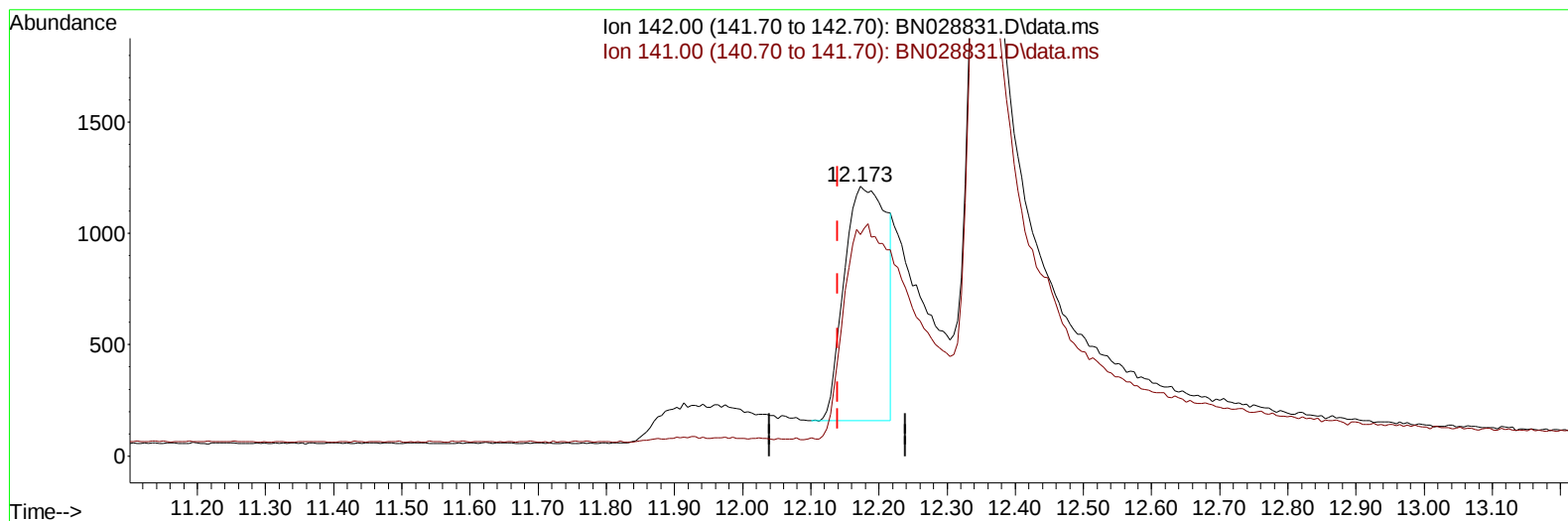
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Data File : BN028831.D
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Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

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TIC: BN028831.D\data.ms

(7) 2-Methylnaphthalene

12.173min (+ 0.033) 0.00 ng/u1

response 4544

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	88.50	85.92
0.00	0.00	0.00
0.00	0.00	0.00

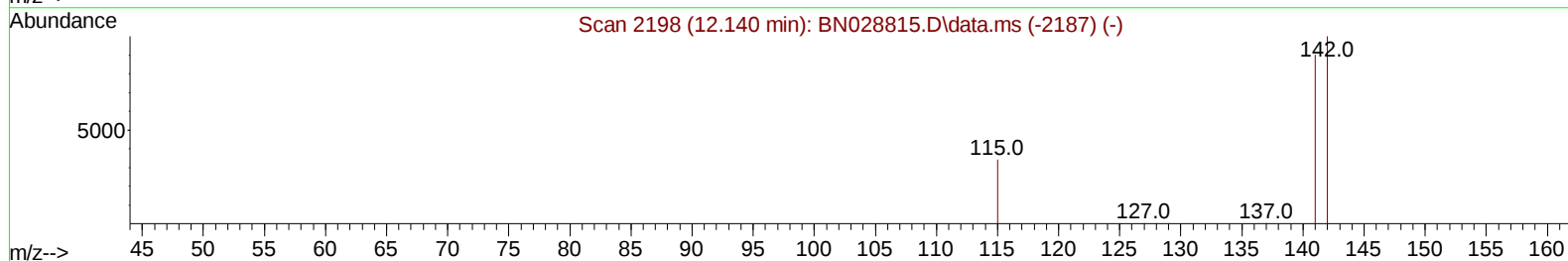
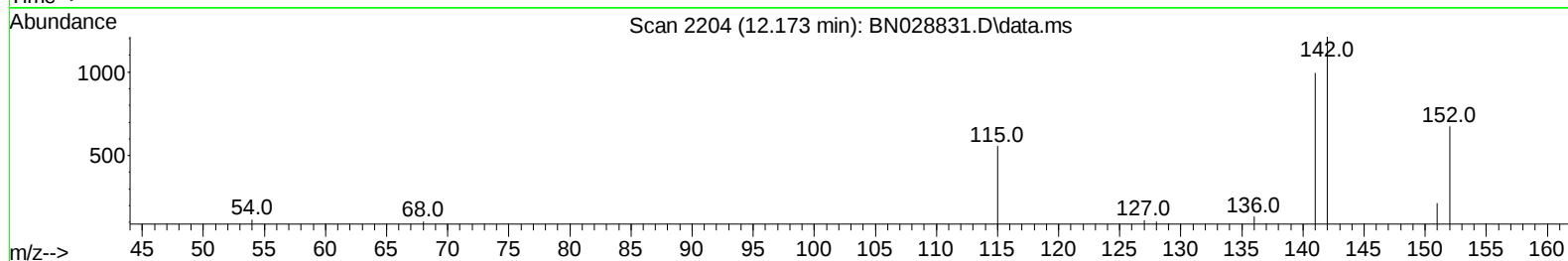
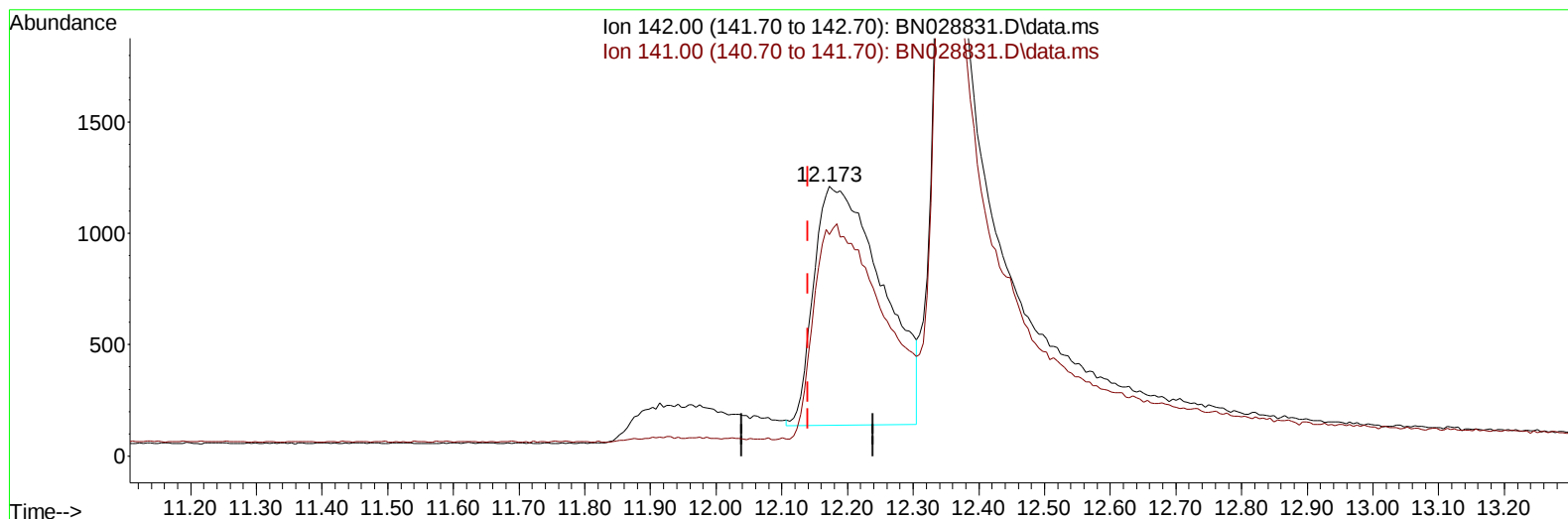
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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LabSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN028831.D\data.ms

(7) 2-Methylnaphthalene

12.173min (+ 0.033) 0.28 ng/ul m

response 7785

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	88.50	50.15#
0.00	0.00	0.00
0.00	0.00	0.00

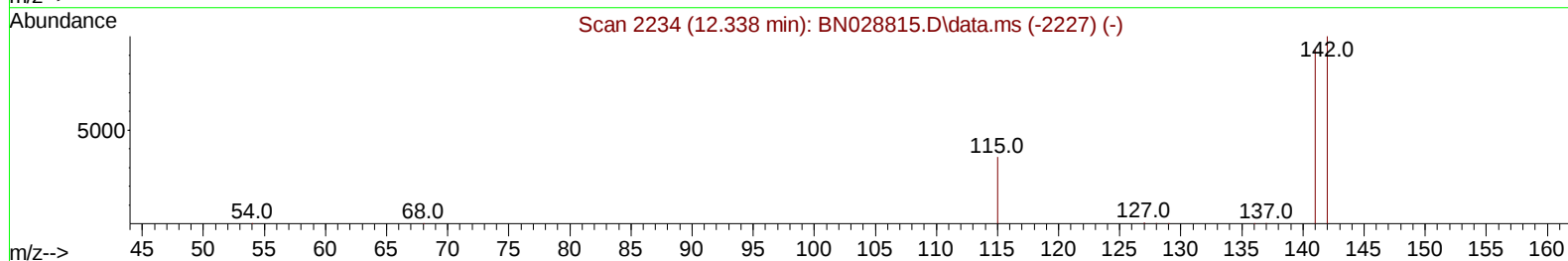
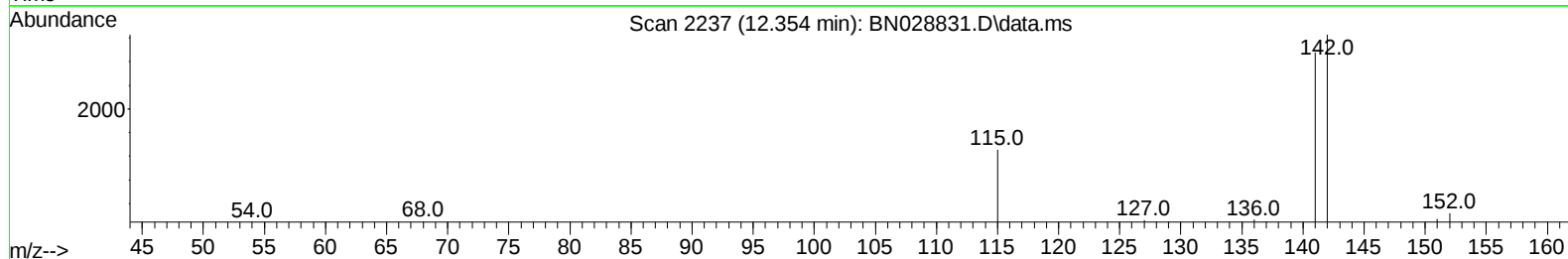
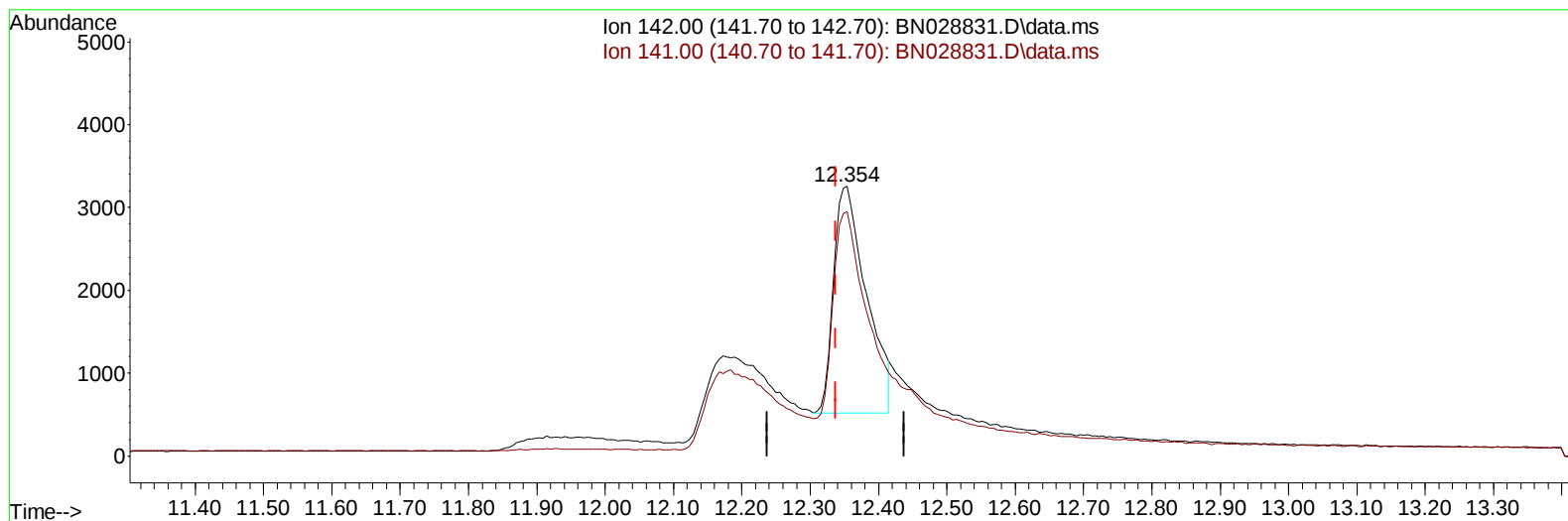
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
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 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

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TIC: BN028831.D\data.ms

(8) 1-Methylnaphthalene

12.354min (+ 0.016) 0.00 ng/ul

response 9094

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	92.60	91.92
0.00	0.00	0.00
0.00	0.00	0.00

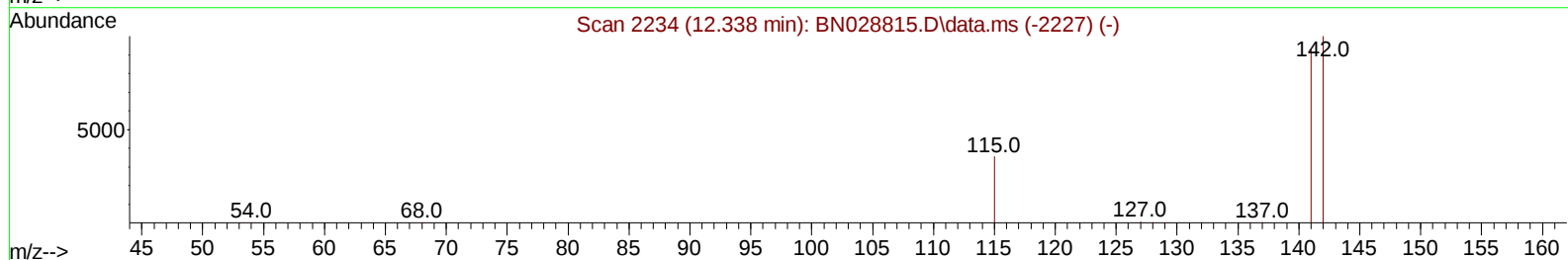
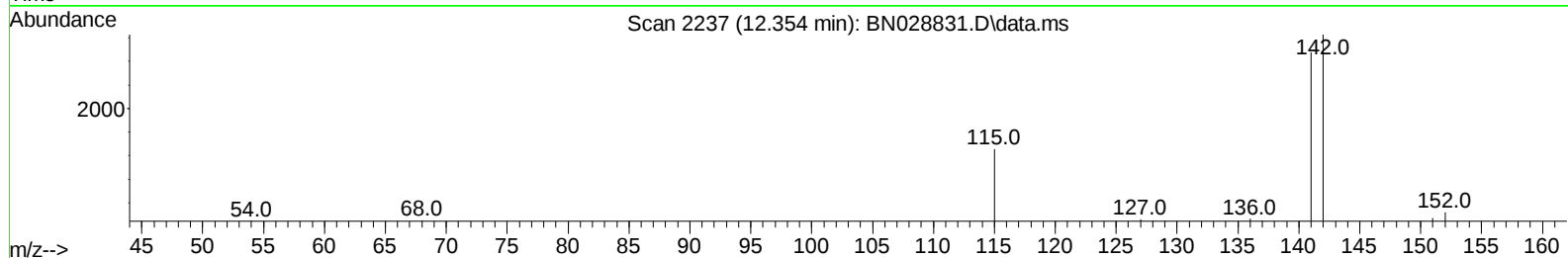
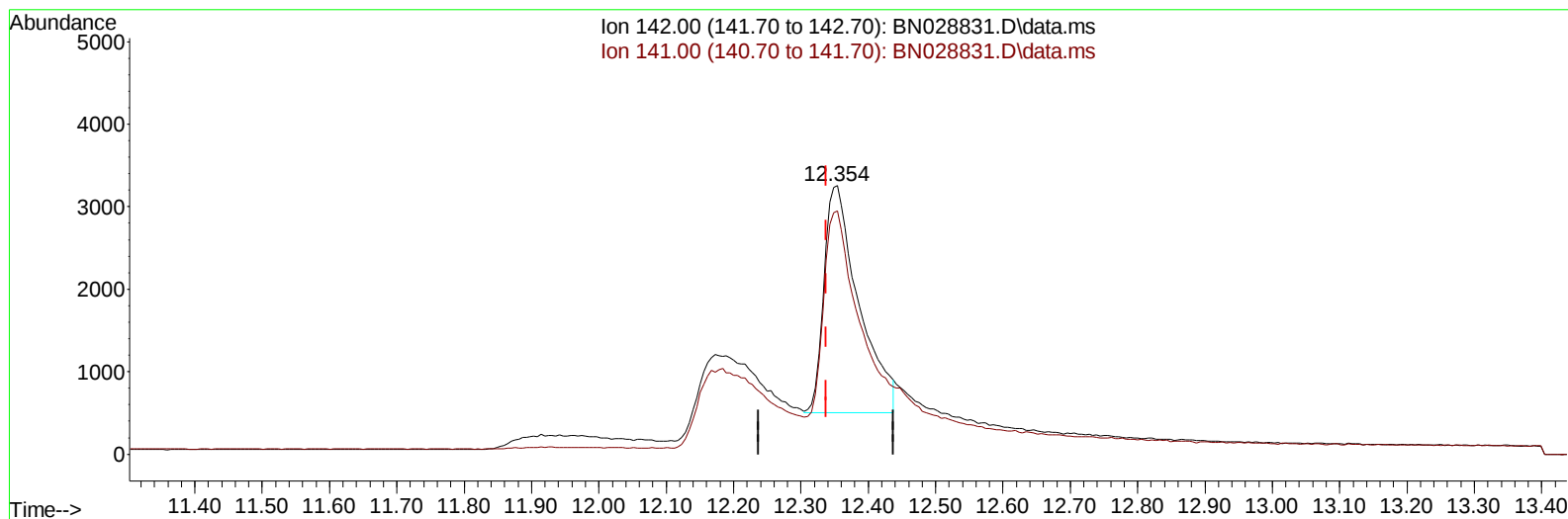
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:51:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 21 23:49:43 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

(8) 1-Methylnaphthalene

12.354min (+ 0.016) 0.34 ng/ul m

response 9831

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	92.60	85.03
0.00	0.00	0.00
0.00	0.00	0.00

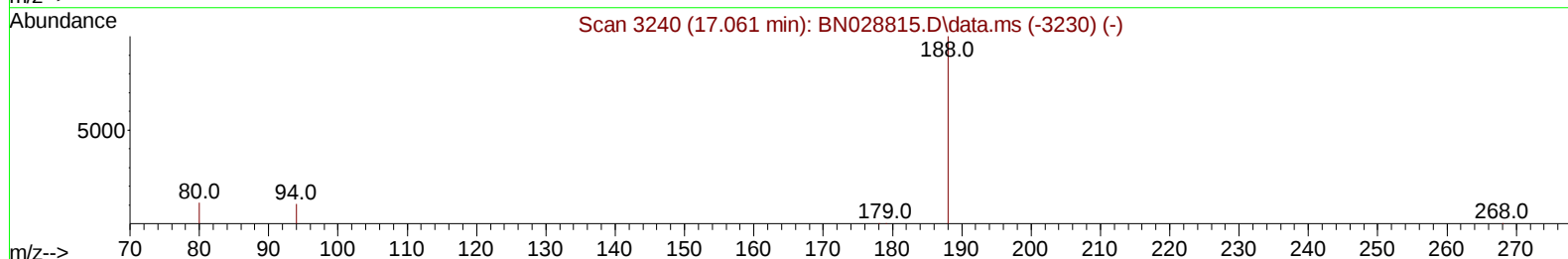
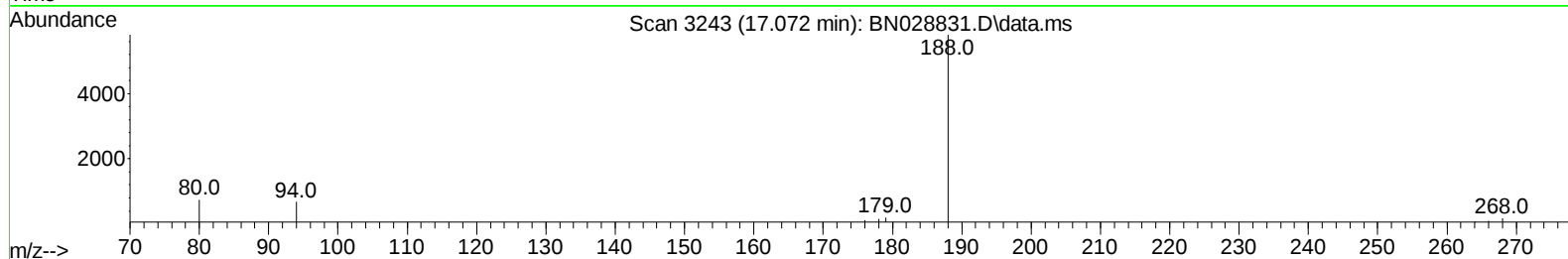
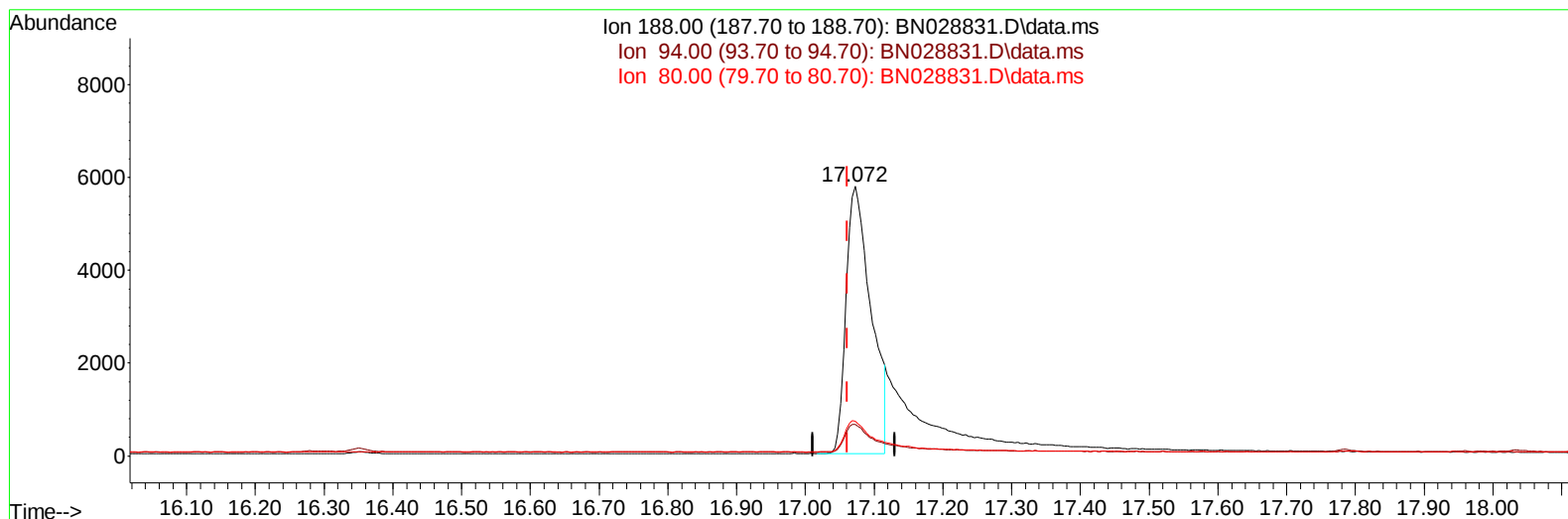
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
Data File : BN028831.D
Acq On : 22 Nov 2023 03:26
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 30 03:37:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

(13) Phenanthrene-d10 (I)

17.072min (+ 0.012) 0.40 ng/u1

response 14458

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	11.69
80.00	10.90	12.81
0.00	0.00	0.00

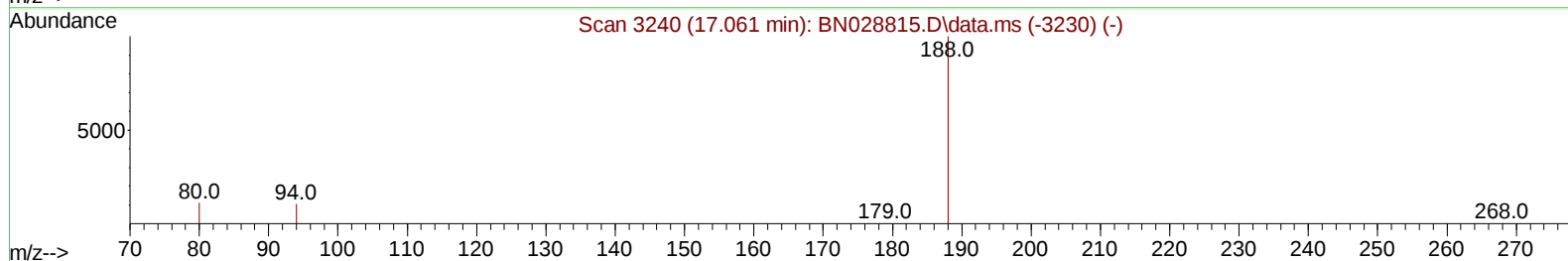
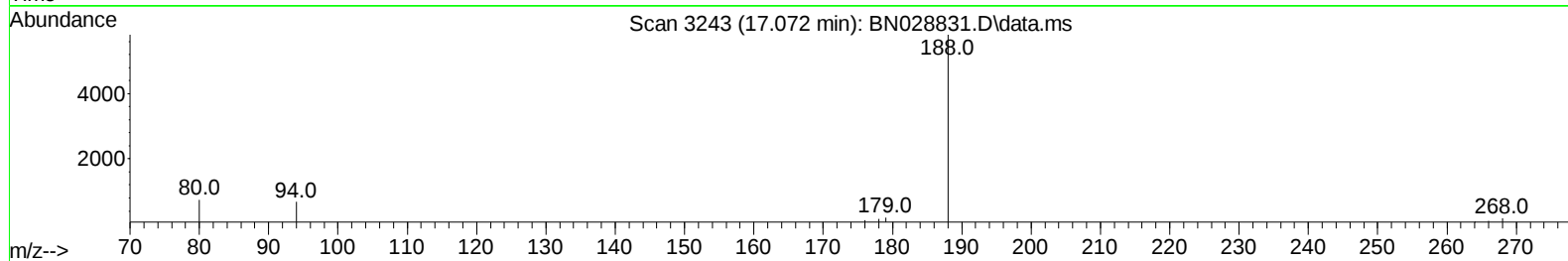
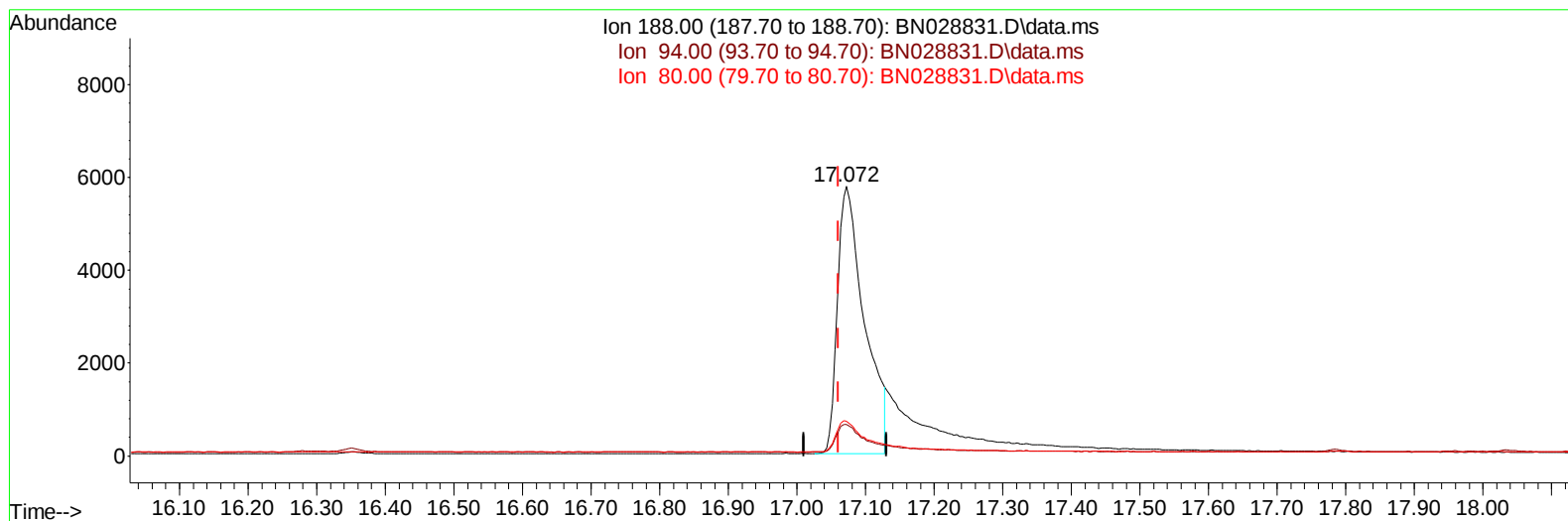
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:51:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 21 23:49:43 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/25/2023



TIC: BN028831.D\data.ms

(13) Phenanthrene-d10 (I)

17.072min (+ 0.012) 0.40 ng/ul m

response 15676

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	11.69
80.00	10.90	12.81
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112223\
 Data File : BN028831.D
 Acq On : 22 Nov 2023 03:26
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:51:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/25/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.820	152	5922m	0.400	ng/ul	0.08
4) Naphthalene-d8	10.484	136	15250m	0.400	ng/ul	0.02
9) Acenaphthene-d10	14.302	164	10116	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.072	188	15676m	0.400	ng/ul	0.01
17) Chrysene-d12	21.272	240	13707	0.400	ng/ul	# 0.00
23) Perylene-d12	23.549	264	12534	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.112	96	2550m	0.390	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.112	152	6465m	0.282	ng/ul	0.04
18) Fluoranthene-d10	19.099	212	19840	0.450	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.146	88	2834m	0.392	ng/ul	
5) Naphthalene	10.534	128	13742	0.322	ng/ul#	93
7) 2-Methylnaphthalene	12.173	142	7785m	0.276	ng/ul	
8) 1-Methylnaphthalene	12.354	142	9831m	0.344	ng/ul	
10) Acenaphthylene	14.029	152	19293	0.382	ng/ul	97
11) Acenaphthene	14.367	153	15808	0.425	ng/ul	100
12) Fluorene	15.380	166	13791	0.319	ng/ul	96
14) Pentachlorophenol	16.739	266	1256	0.334	ng/ul	99
15) Phenanthrene	17.110	178	20762	0.431	ng/ul	96
16) Anthracene	17.224	178	12442	0.282	ng/ul#	93
19) Fluoranthene	19.131	202	25912	0.444	ng/ul	100
20) Pyrene	19.489	202	29825	0.494	ng/ul	96
21) Benzo(a)anthracene	21.263	228	15578	0.287	ng/ul	98
22) Chrysene	21.313	228	20440	0.386	ng/ul	99
24) Benzo(b)fluoranthene	22.859	252	17914	0.381	ng/ul	85
25) Benzo(k)fluoranthene	22.906	252	22584	0.458	ng/ul#	90
26) Benzo(a)pyrene	23.449	252	19049	0.429	ng/ul#	72
27) Indeno(1,2,3-cd)pyrene	25.880	276	21987	0.446	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.910	278	16629	0.422	ng/ul#	92
29) Benzo(g,h,i)perylene	26.584	276	19455	0.482	ng/ul	97

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

