

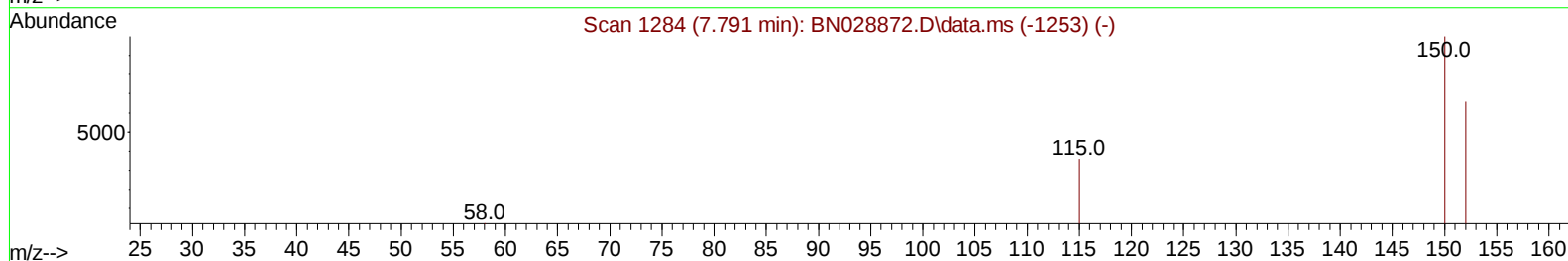
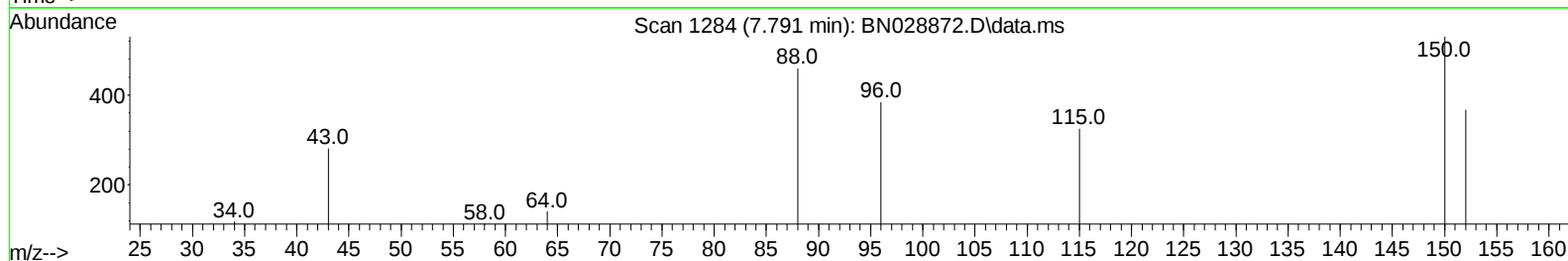
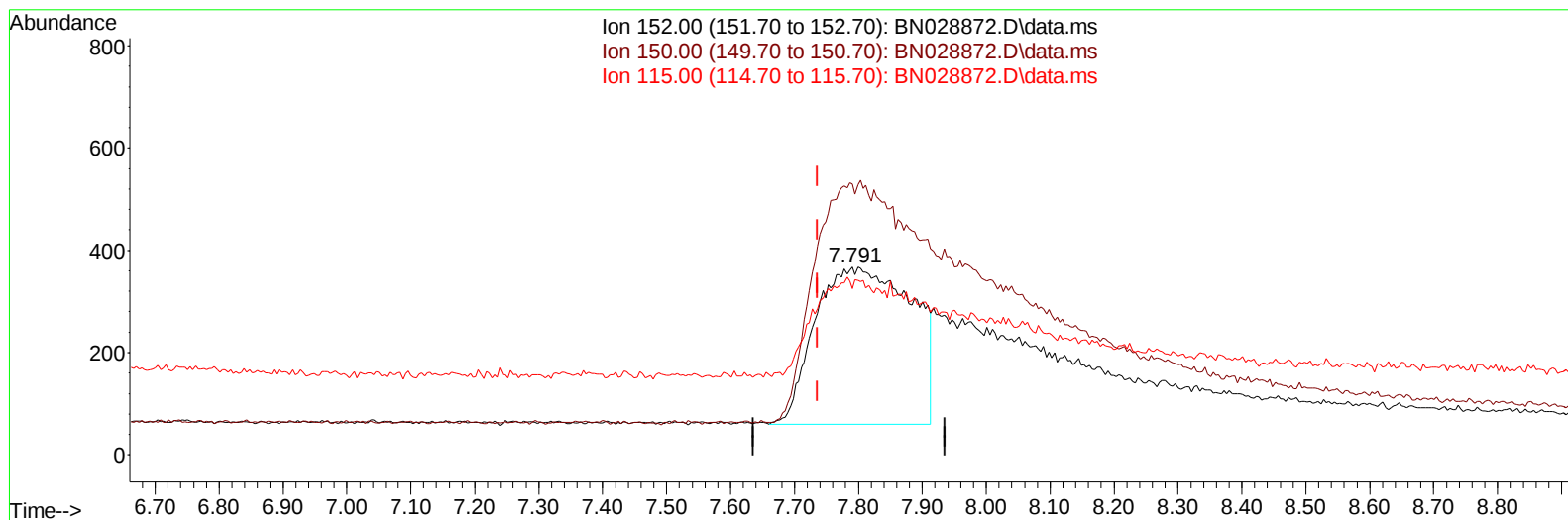
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

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

7.791min (+ 0.055) 0.40 ng/u1

response 3237

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	144.41
115.00	62.20	88.56#
0.00	0.00	0.00

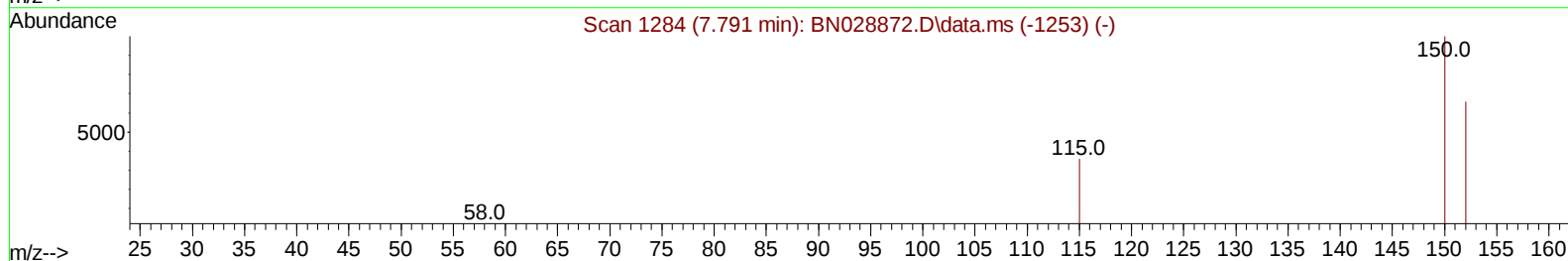
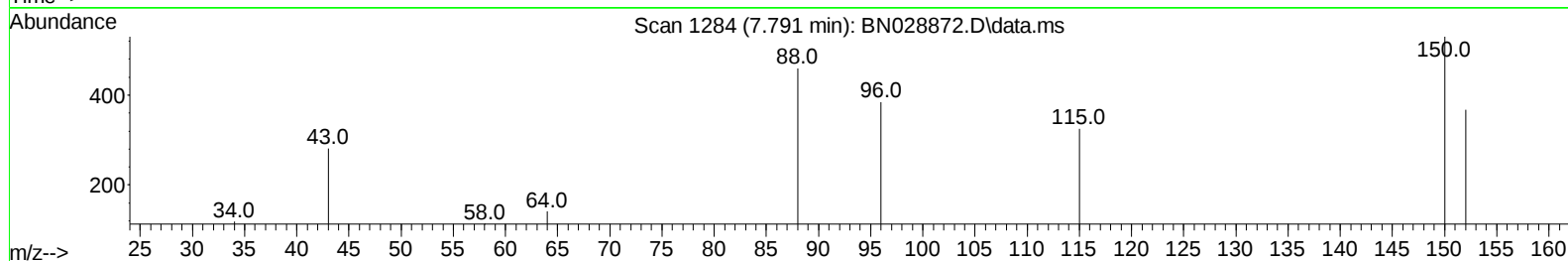
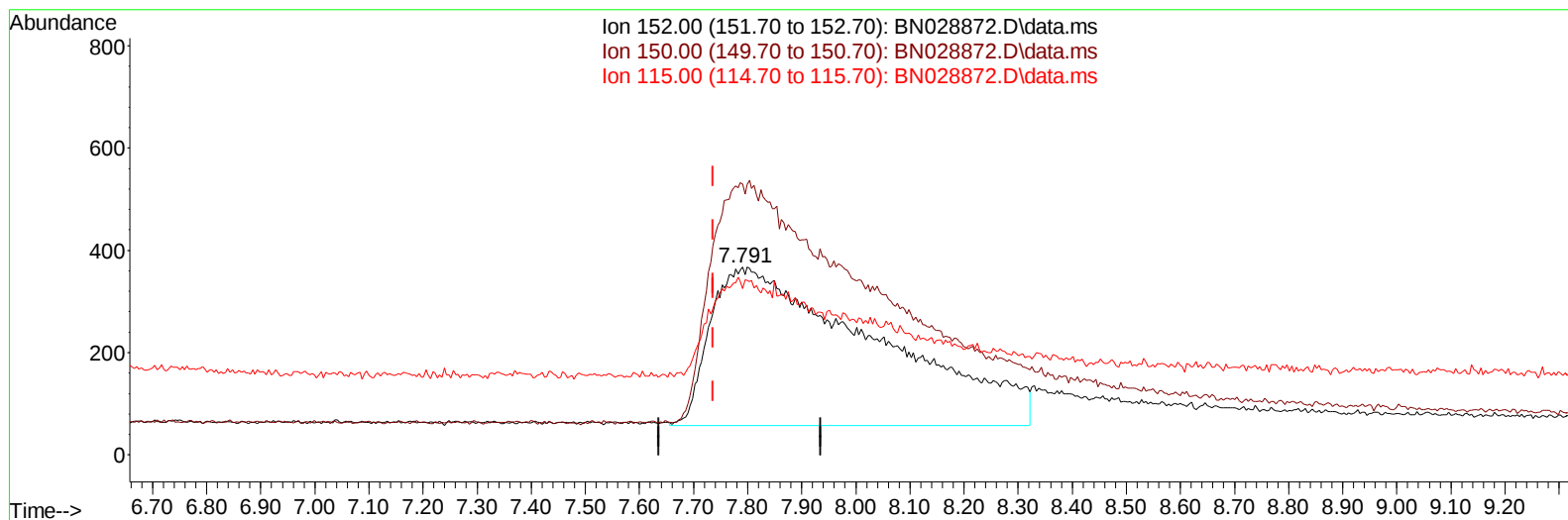
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

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

7.791min (+ 0.055) 0.40 ng/ul m

response 6607

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	144.41
115.00	62.20	88.56#
0.00	0.00	0.00

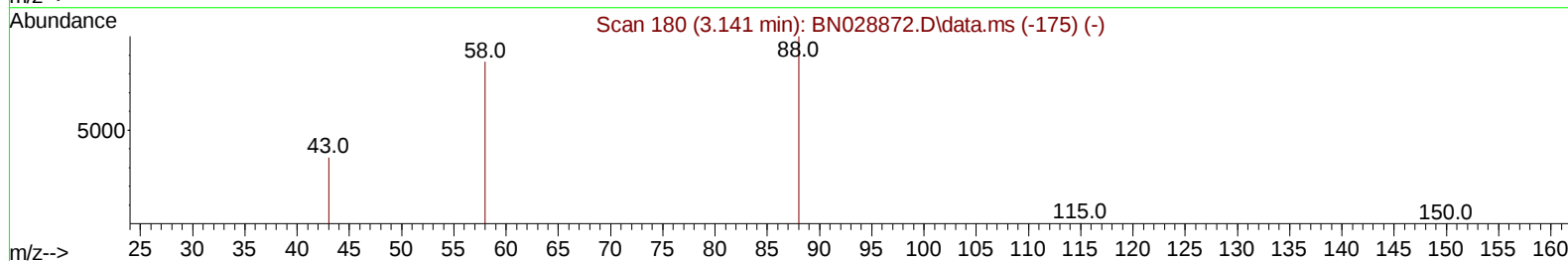
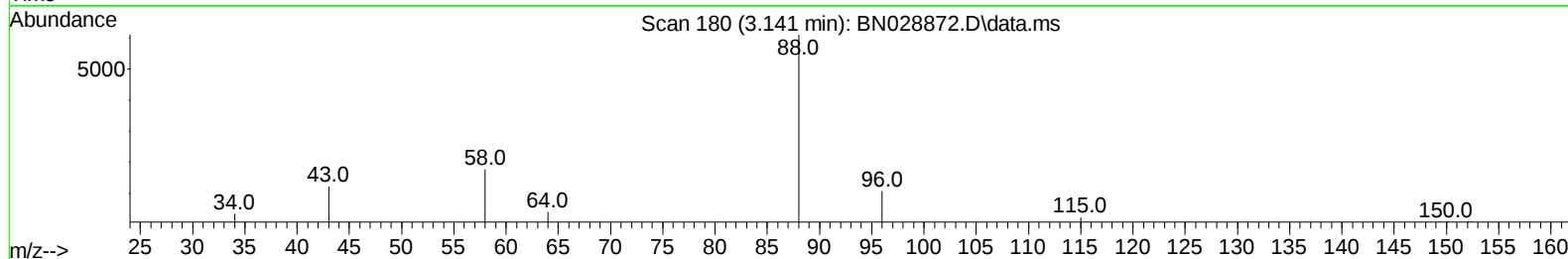
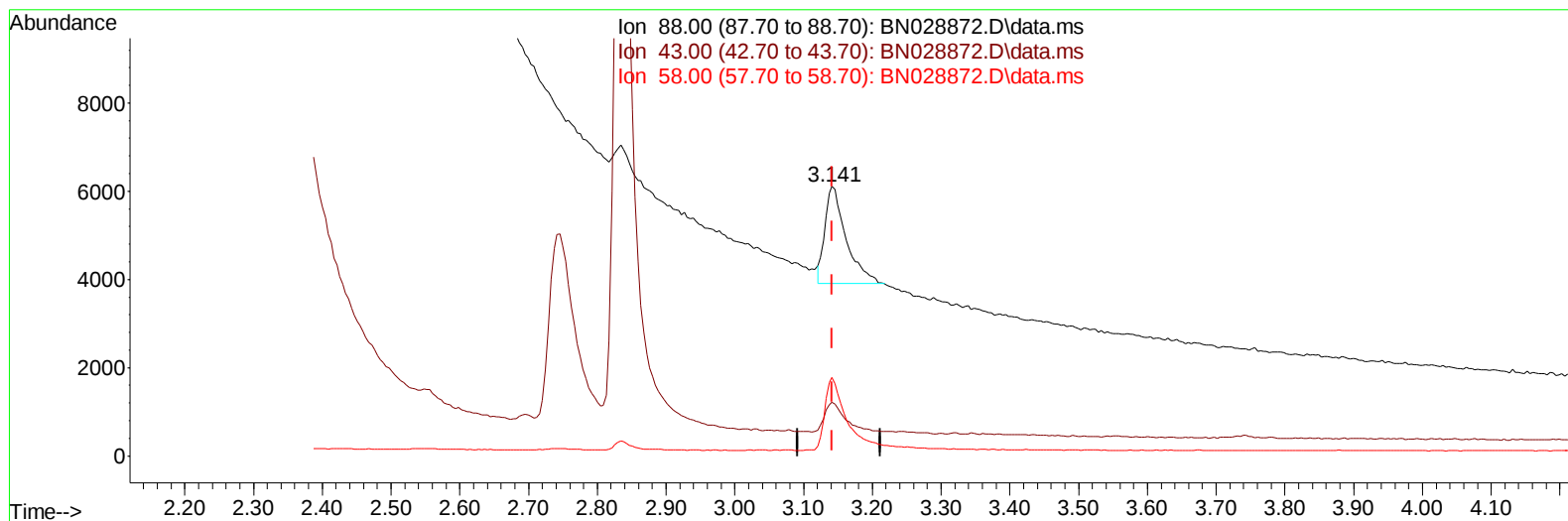
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(2) 1,4-Dioxane

3.141min (0.000) 0.59 ng/u1

response 4722

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	41.10	19.98#
58.00	52.30	29.15#
0.00	0.00	0.00

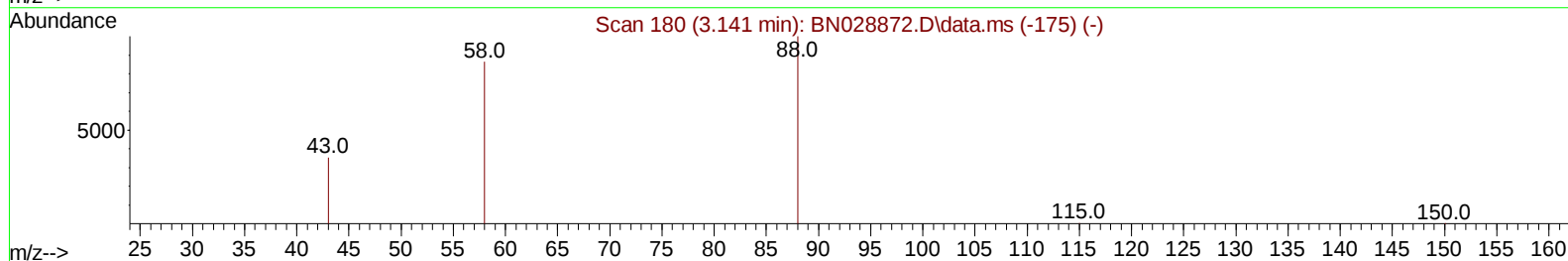
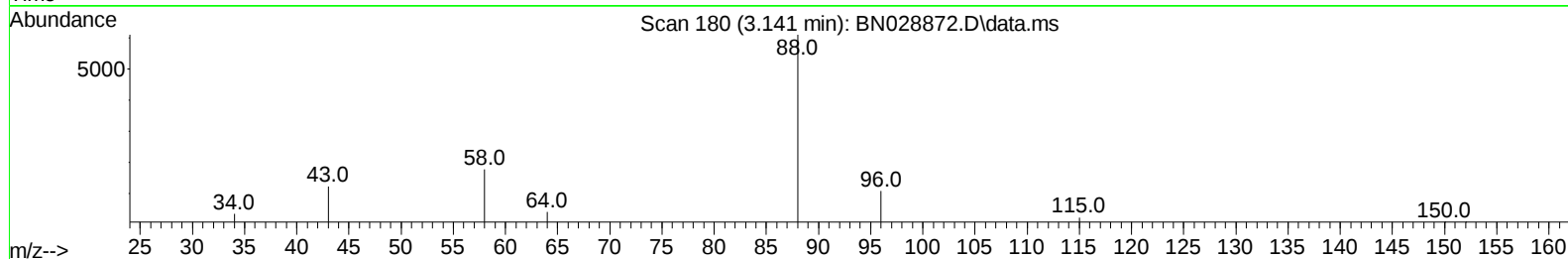
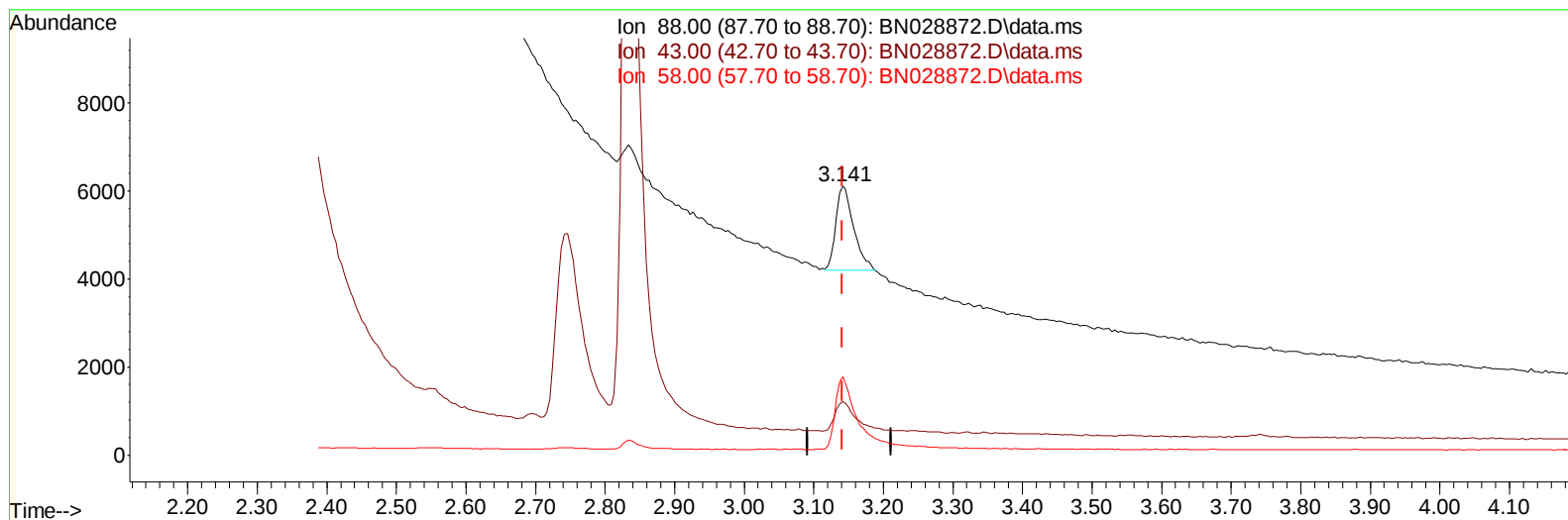
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(2) 1,4-Dioxane

3.141min (0.000) 0.42 ng/ul m

response 3414

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	41.10	19.98#
58.00	52.30	29.15#
0.00	0.00	0.00

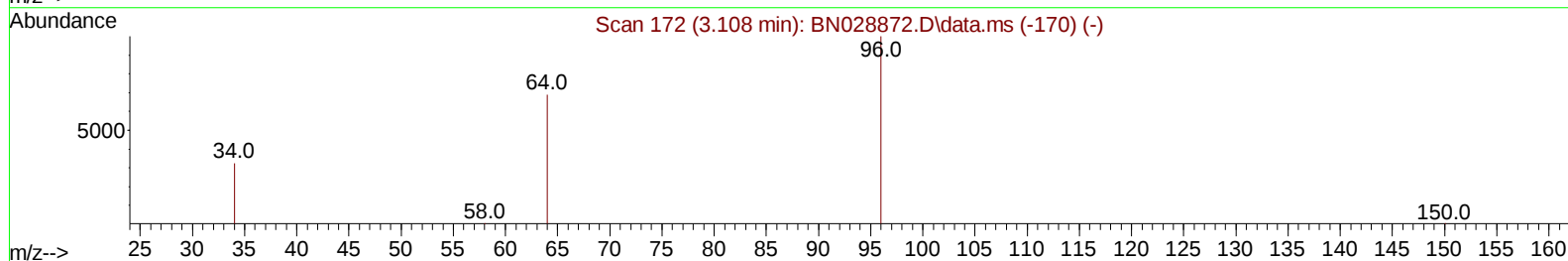
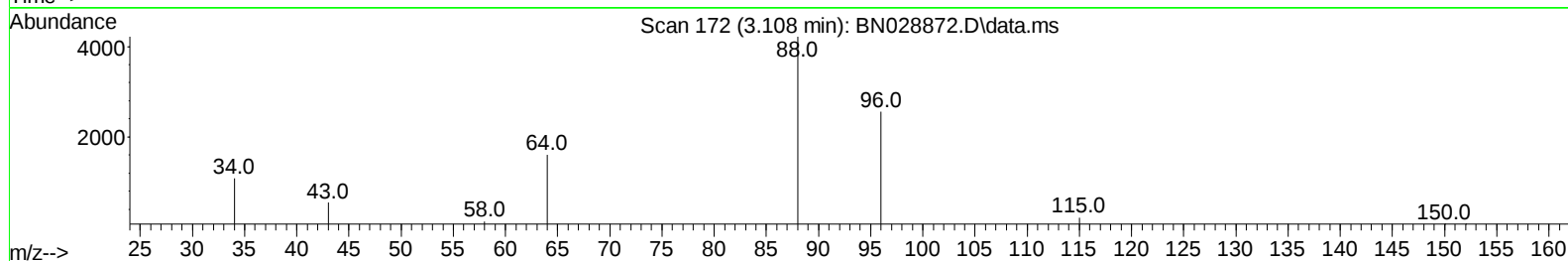
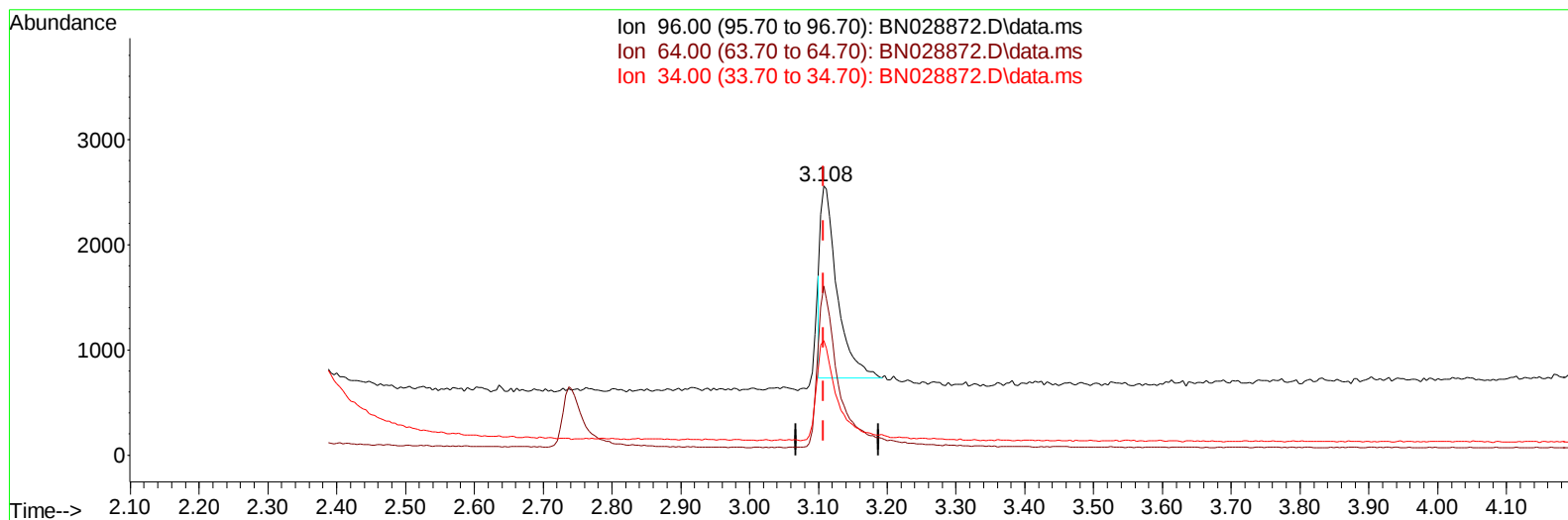
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

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

3.108min (-0.000) 0.42 ng/u1

response 3079

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	67.40	62.91
34.00	38.60	42.64
0.00	0.00	0.00

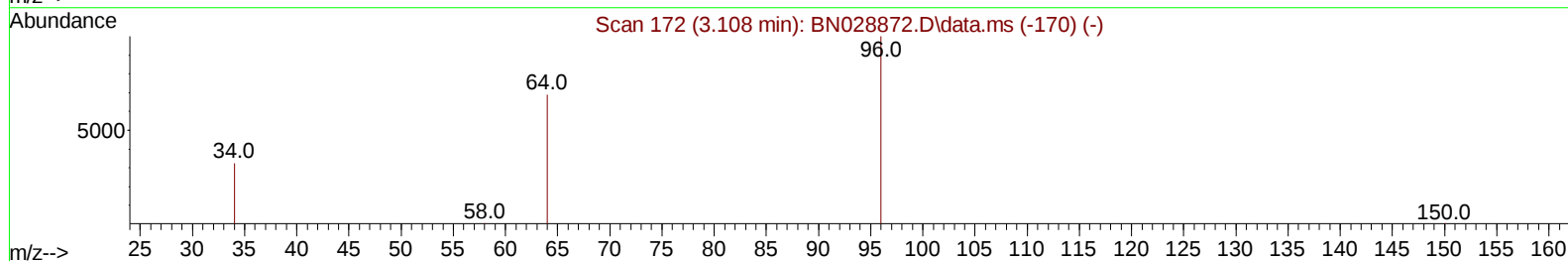
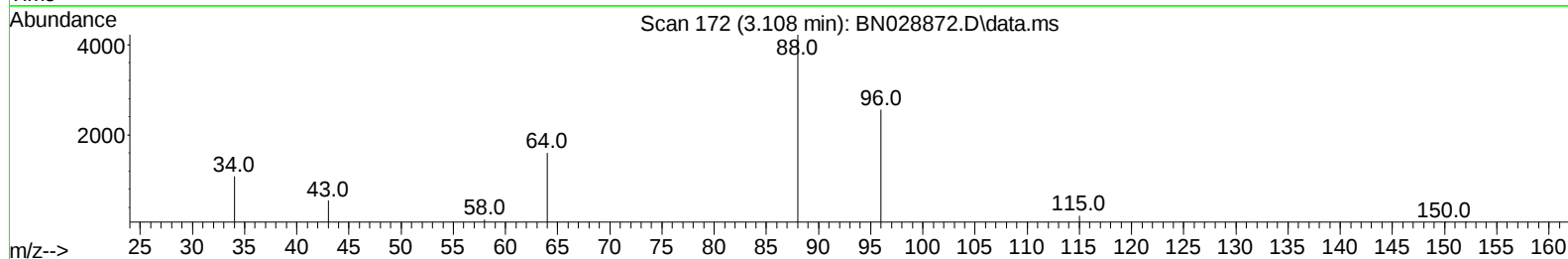
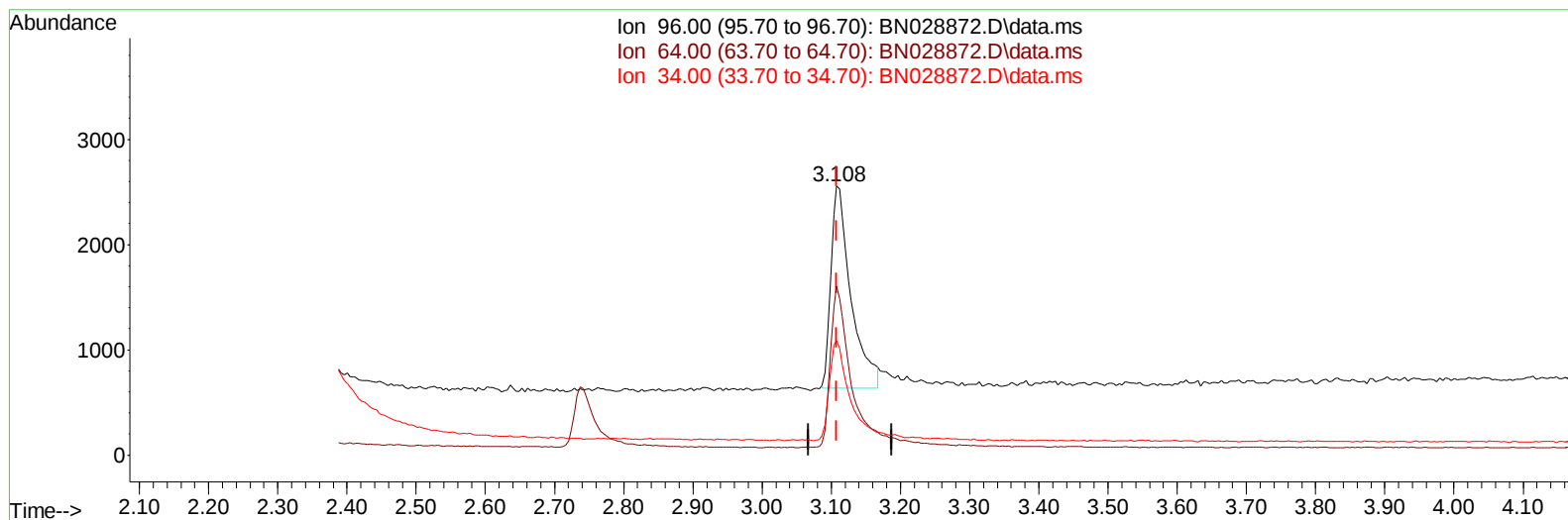
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

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

3.108min (-0.000) 0.53 ng/ul m

response 3849

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	67.40	62.91
34.00	38.60	42.64
0.00	0.00	0.00

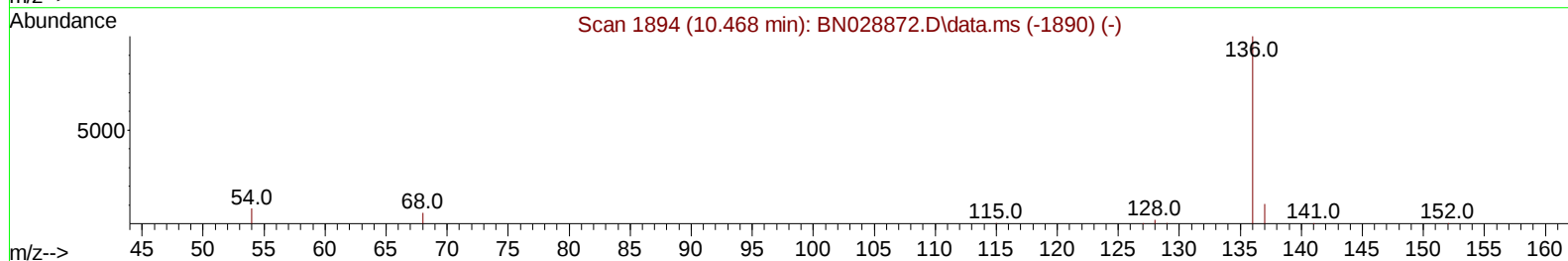
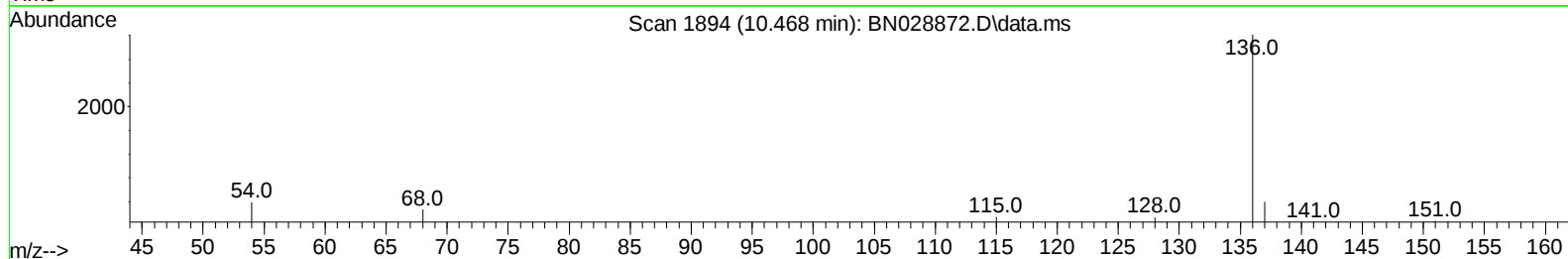
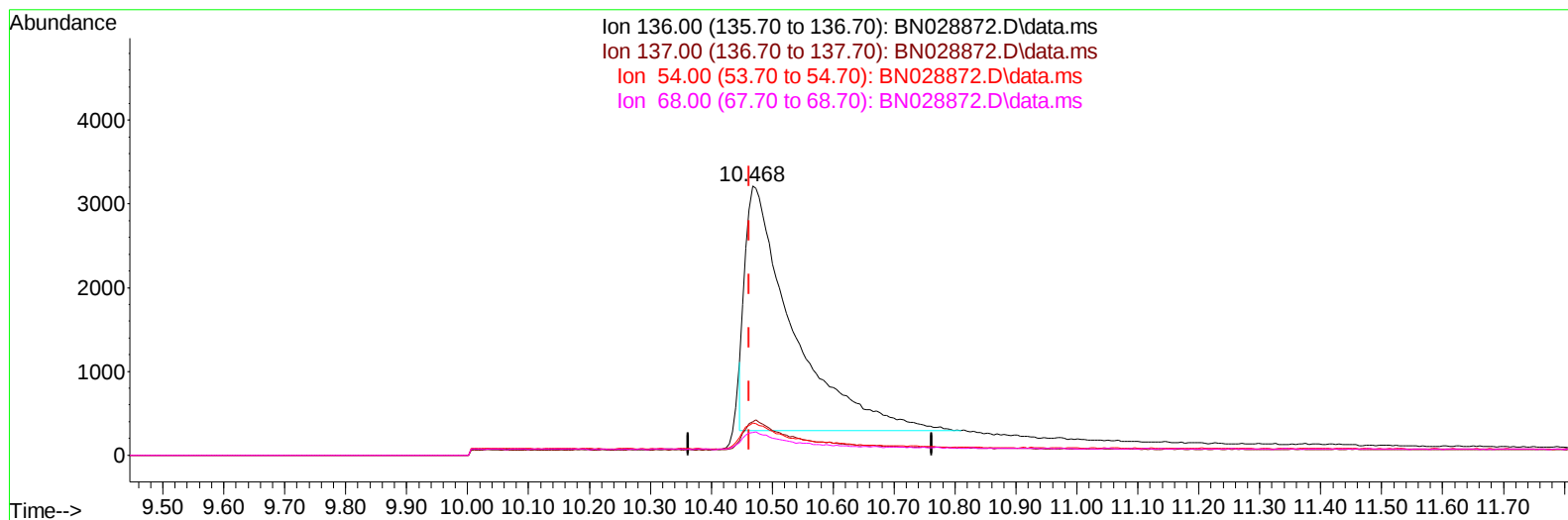
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(4) Naphthalene-d8 (I)

10.468min (+ 0.005) 0.40 ng/u1

response 16072

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	12.29
54.00	9.00	11.95#
68.00	7.10	8.31

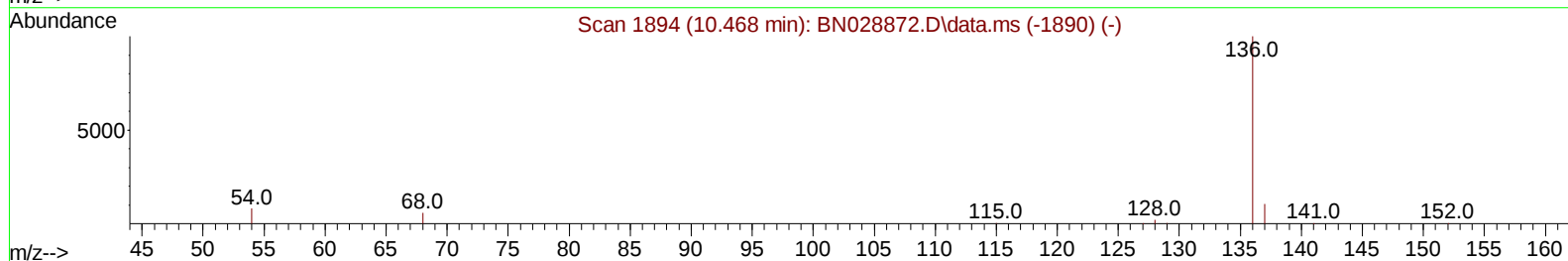
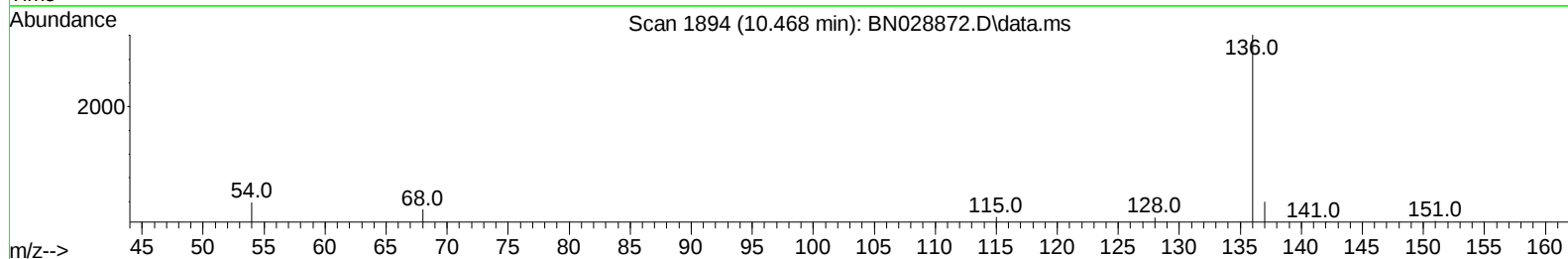
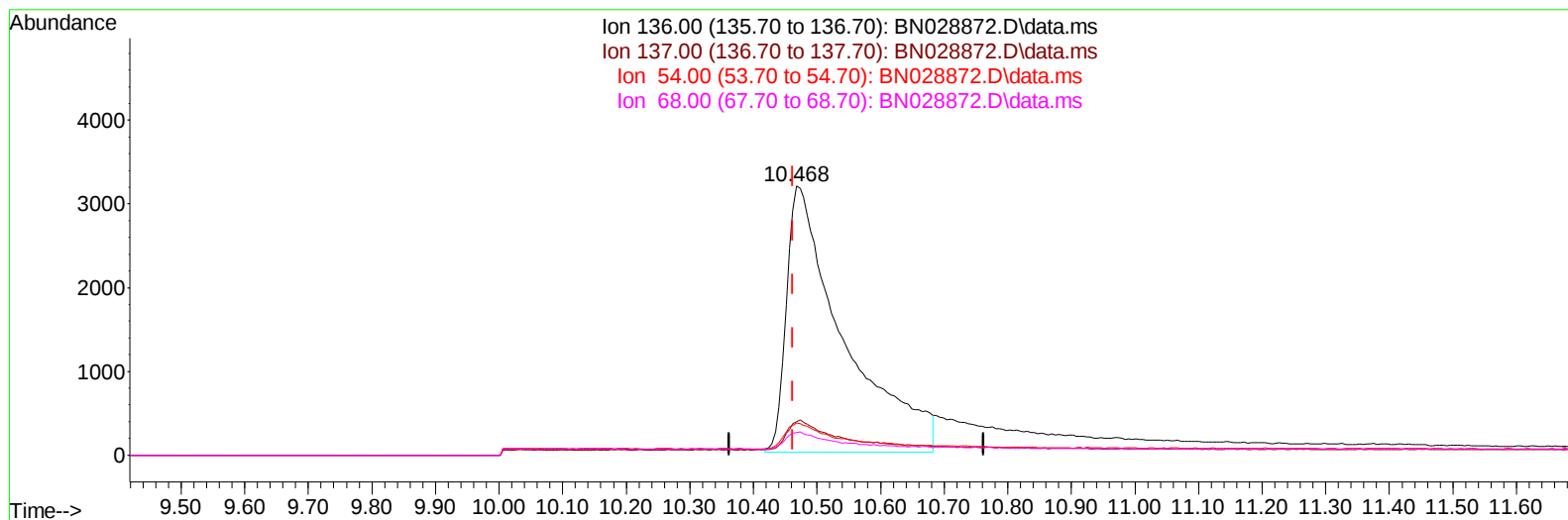
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
 Data File : BN028872.D
 Acq On : 27 Nov 2023 09:46
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(4) Naphthalene-d8 (I)

10.468min (+ 0.005) 0.40 ng/ul m

response 19763

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	12.29
54.00	9.00	11.95#
68.00	7.10	8.31

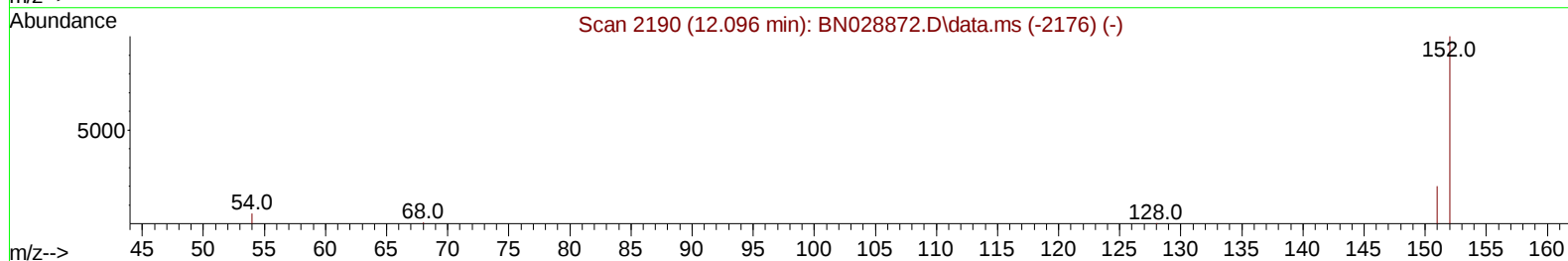
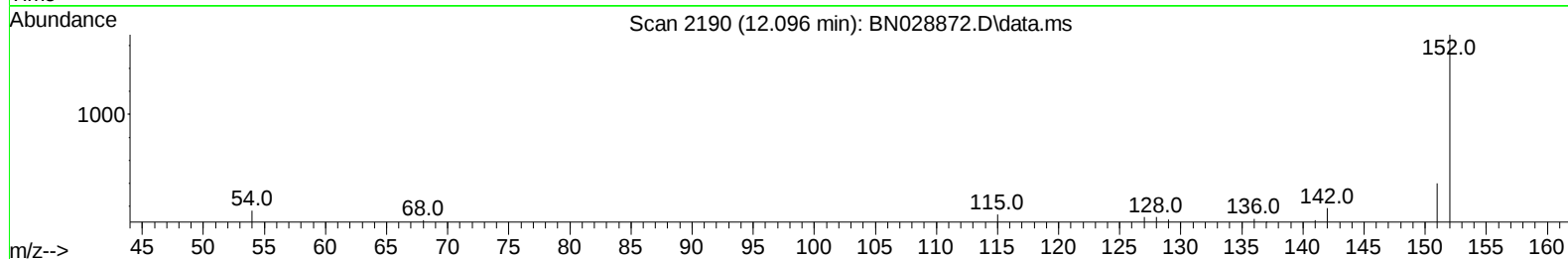
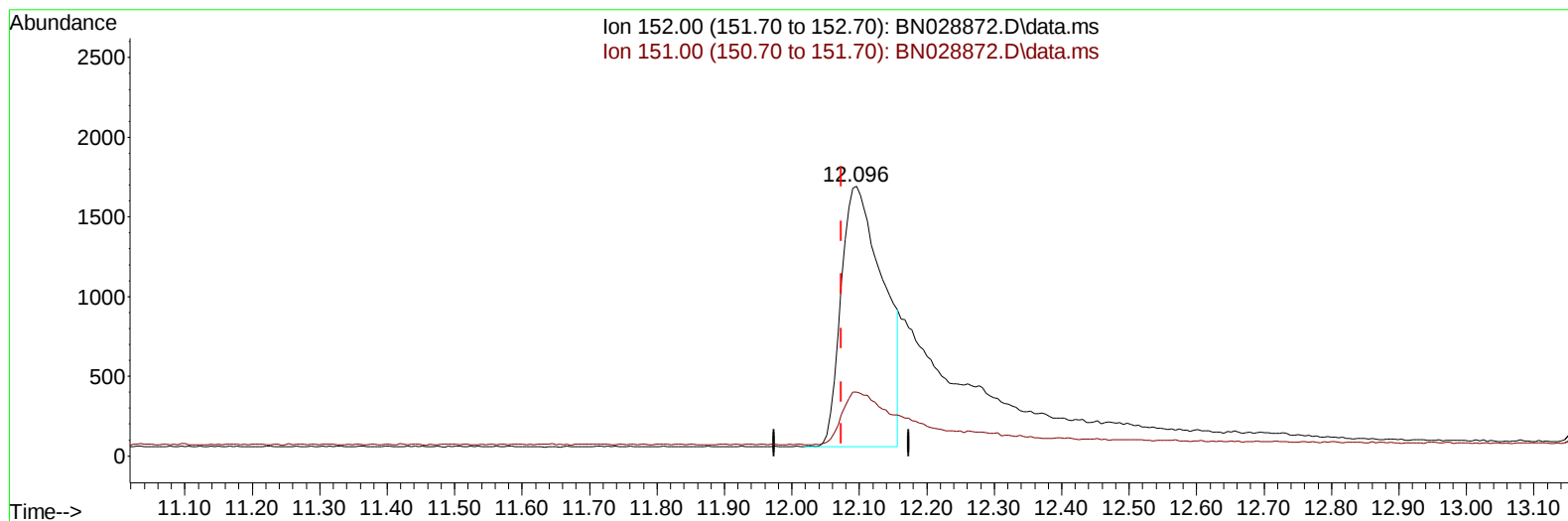
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
 Data File : BN028872.D
 Acq On : 27 Nov 2023 09:46
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.096min (+ 0.022) 0.24 ng/u1

response 7046

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	19.60
0.00	0.00	0.00
0.00	0.00	0.00

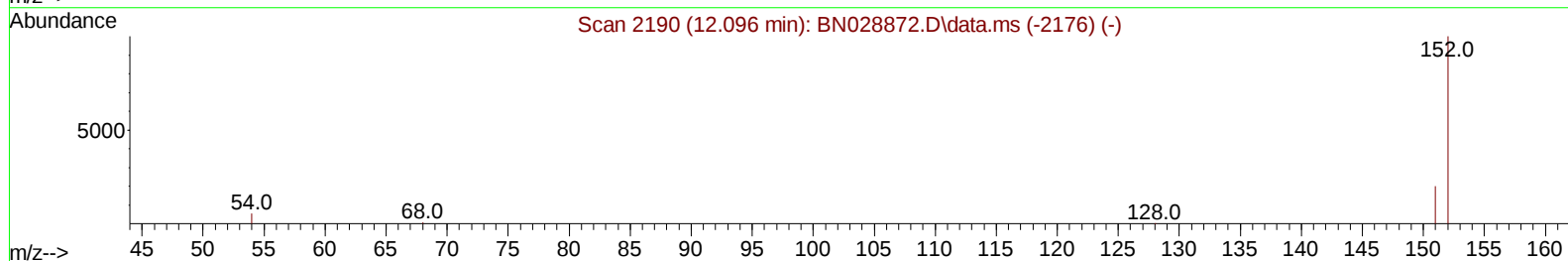
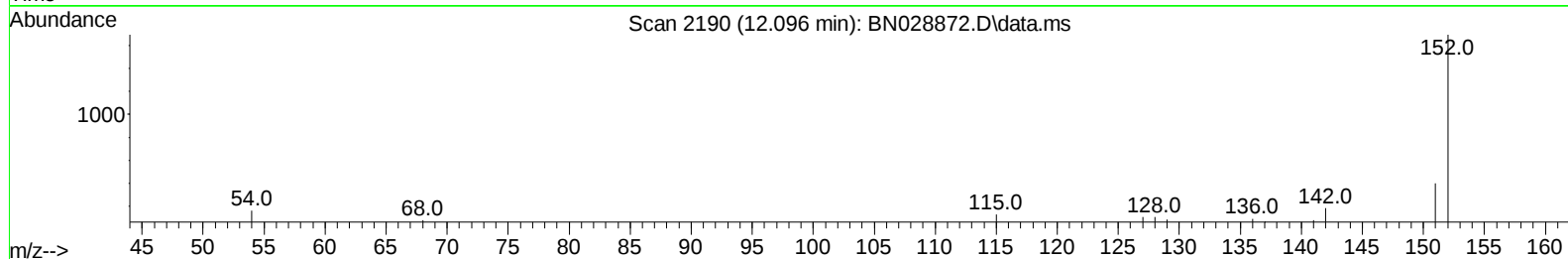
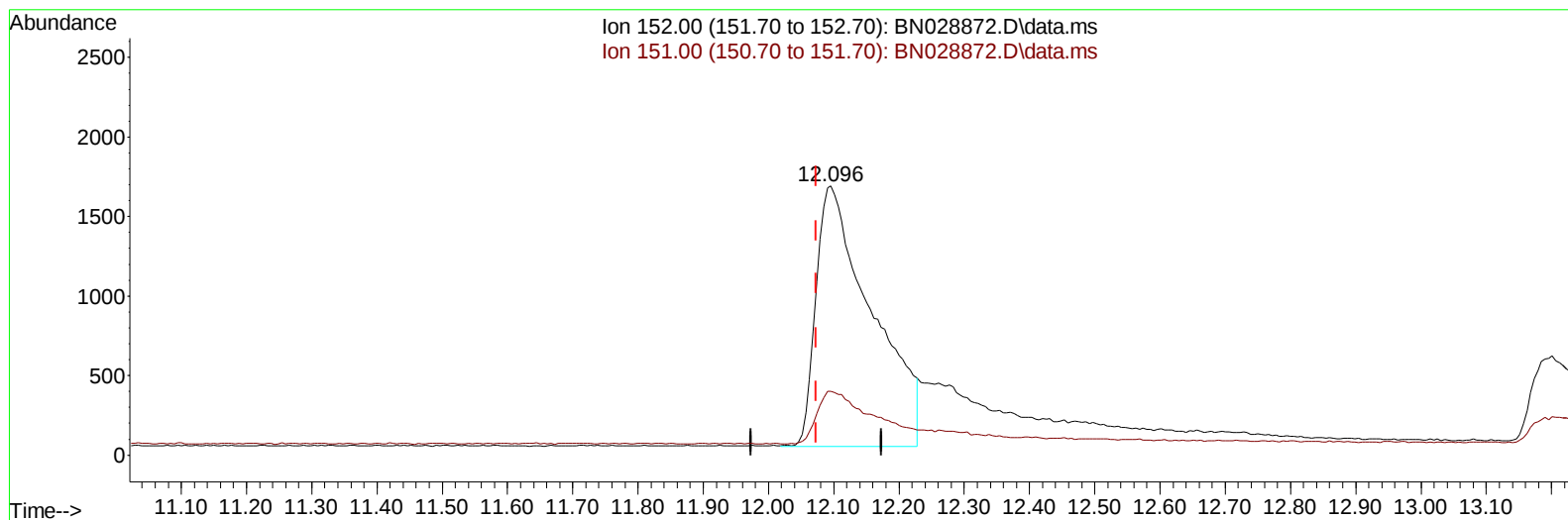
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.096min (+ 0.022) 0.33 ng/ul m

response 9701

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	14.24#
0.00	0.00	0.00
0.00	0.00	0.00

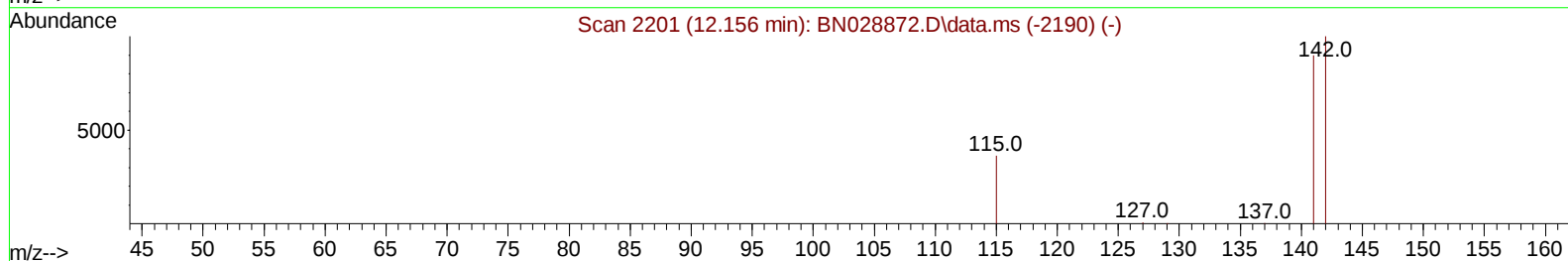
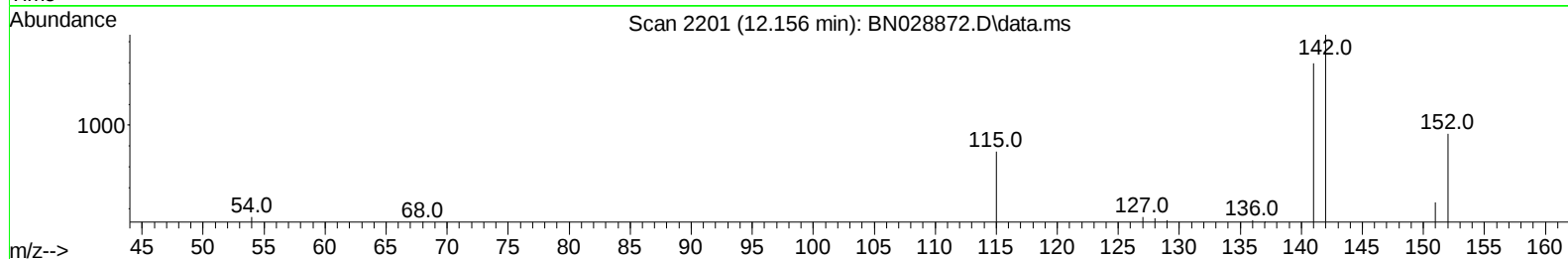
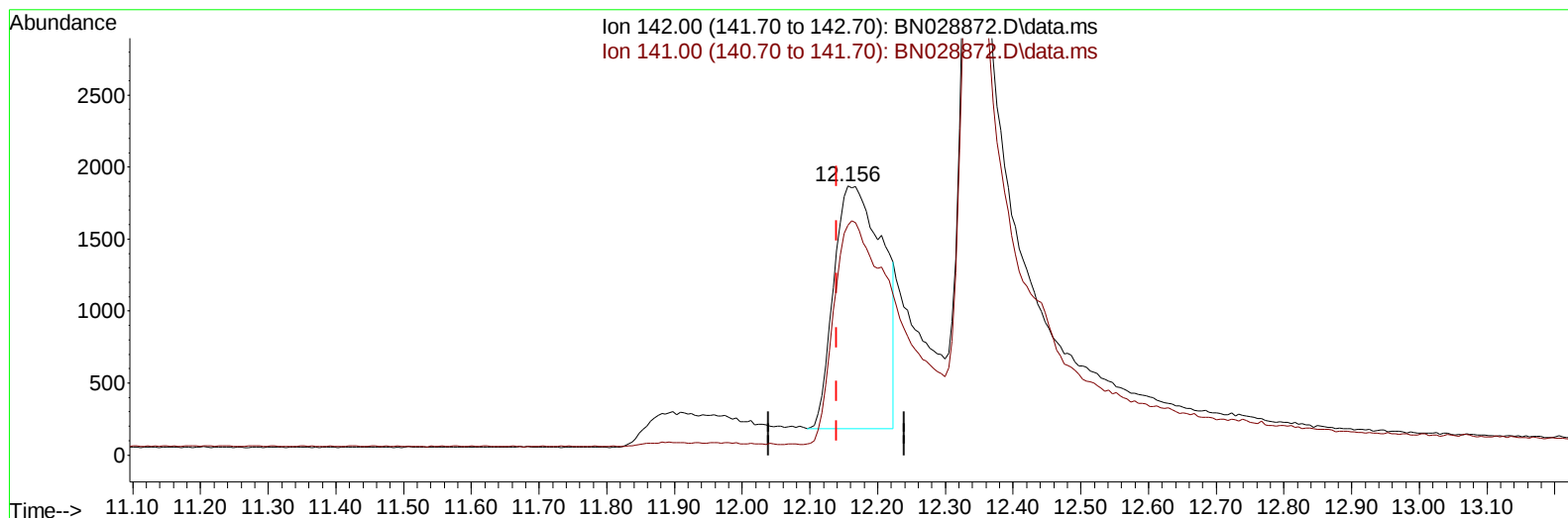
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(7) 2-Methylnaphthalene

12.156min (+ 0.017) 0.23 ng/u1

response 8447

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	88.50	91.77
0.00	0.00	0.00
0.00	0.00	0.00

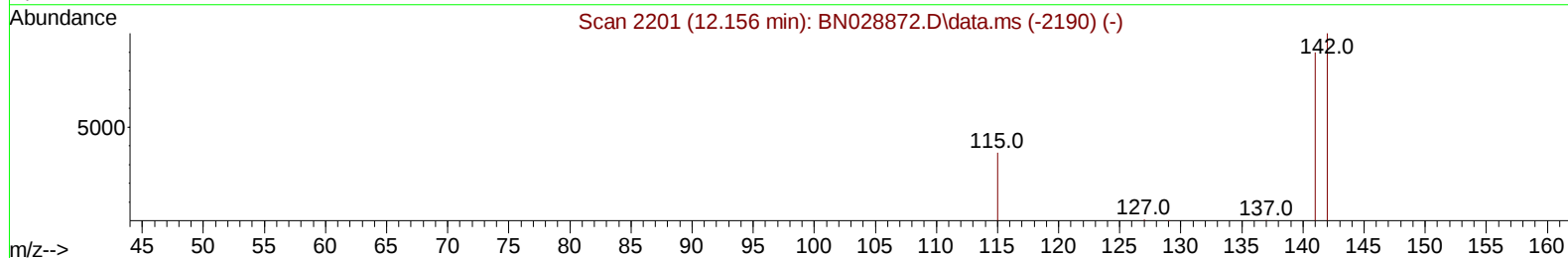
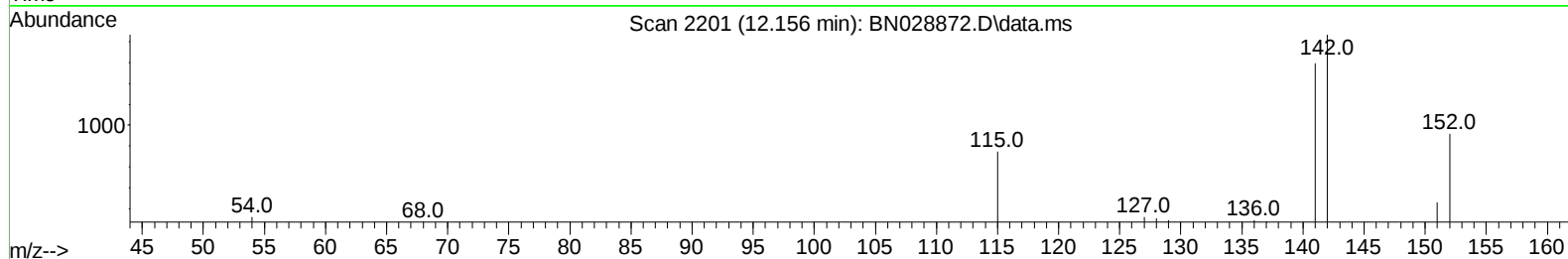
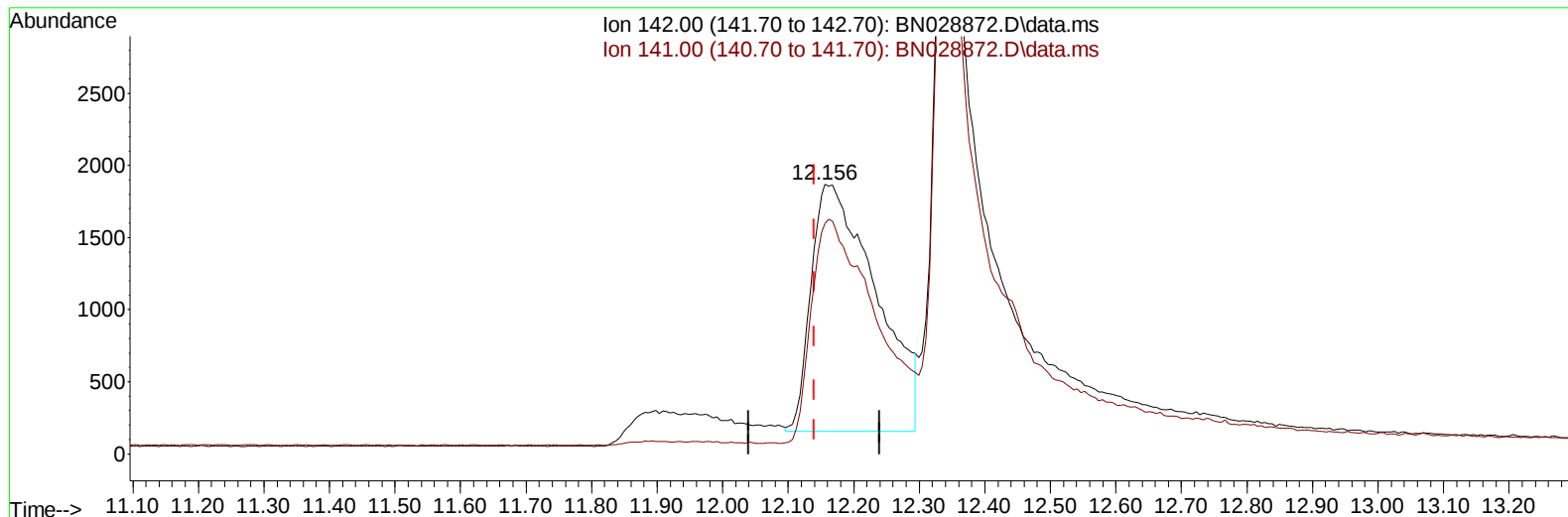
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BN028872.D\data.ms

(7) 2-Methylnaphthalene

12.156min (+ 0.017) 0.32 ng/ul m

response 11735

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	88.50	66.06#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
 Data File : BN028872.D
 Acq On : 27 Nov 2023 09:46
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	6607m	0.400	ng/ul	0.05
4) Naphthalene-d8	10.468	136	19763m	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.298	164	12982	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.069	188	18023	0.400	ng/ul	0.00
17) Chrysene-d12	21.279	240	17393	0.400	ng/ul	0.00
23) Perylene-d12	23.553	264	16276	0.400	ng/ul	# 0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.108	96	3849m	0.527	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.096	152	9701m	0.326	ng/ul	0.02
18) Fluoranthene-d10	19.099	212	26303	0.470	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.141	88	3414m	0.423	ng/ul	
5) Naphthalene	10.517	128	21683	0.392	ng/ul	97
7) 2-Methylnaphthalene	12.156	142	11735m	0.322	ng/ul	
8) 1-Methylnaphthalene	12.338	142	13680	0.369	ng/ul	99
10) Acenaphthylene	14.025	152	25437	0.393	ng/ul	99
11) Acenaphthene	14.358	153	21349	0.448	ng/ul	98
12) Fluorene	15.371	166	18903	0.341	ng/ul	100
14) Pentachlorophenol	16.740	266	1522	0.352	ng/ul	99
15) Phenanthrene	17.107	178	28704	0.518	ng/ul	97
16) Anthracene	17.217	178	17051	0.336	ng/ul	97
19) Fluoranthene	19.127	202	35057	0.474	ng/ul	99
20) Pyrene	19.490	202	39626	0.517	ng/ul	96
21) Benzo(a)anthracene	21.267	228	21372	0.311	ng/ul	98
22) Chrysene	21.317	228	28669	0.426	ng/ul	99
24) Benzo(b)fluoranthene	22.866	252	25648	0.420	ng/ul	93
25) Benzo(k)fluoranthene	22.912	252	30722	0.480	ng/ul	95
26) Benzo(a)pyrene	23.459	252	26074	0.452	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	25.888	276	29979	0.468	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.915	278	22271	0.435	ng/ul	96
29) Benzo(g,h,i)perylene	26.589	276	27195	0.518	ng/ul	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112723\
Data File : BN028872.D
Acq On : 27 Nov 2023 09:46
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Manual IntegrationsAPPROVED

Quant Time: Nov 28 03:45:25 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 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

