

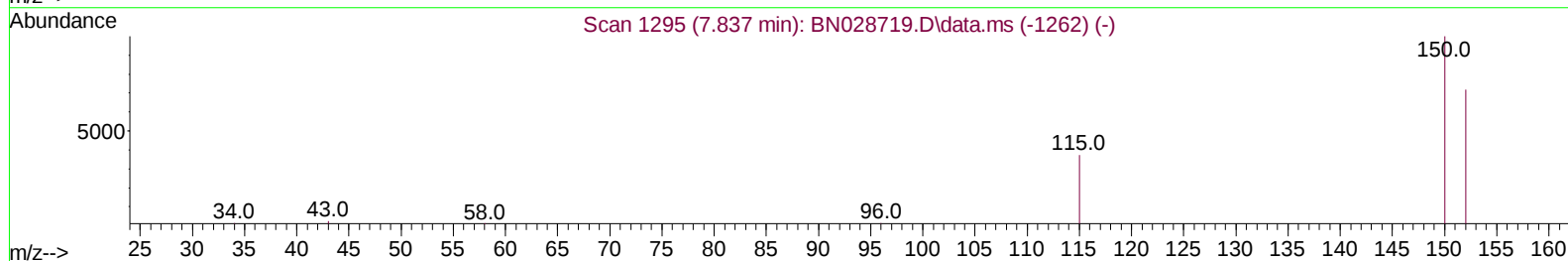
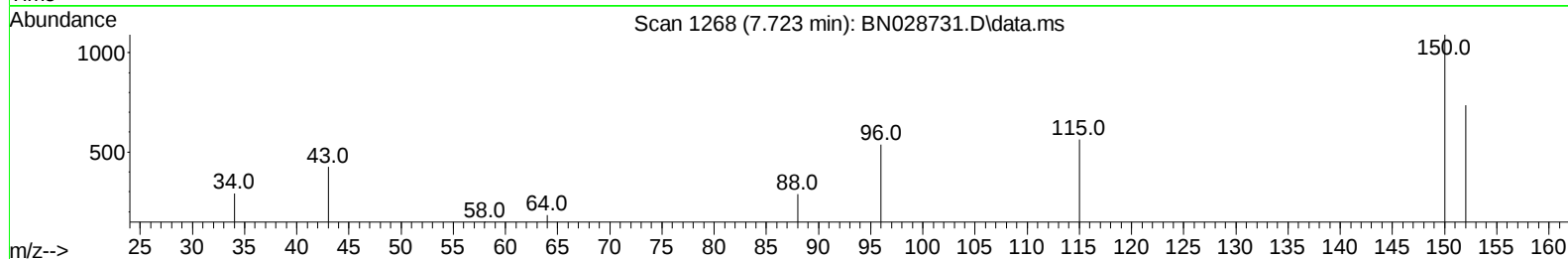
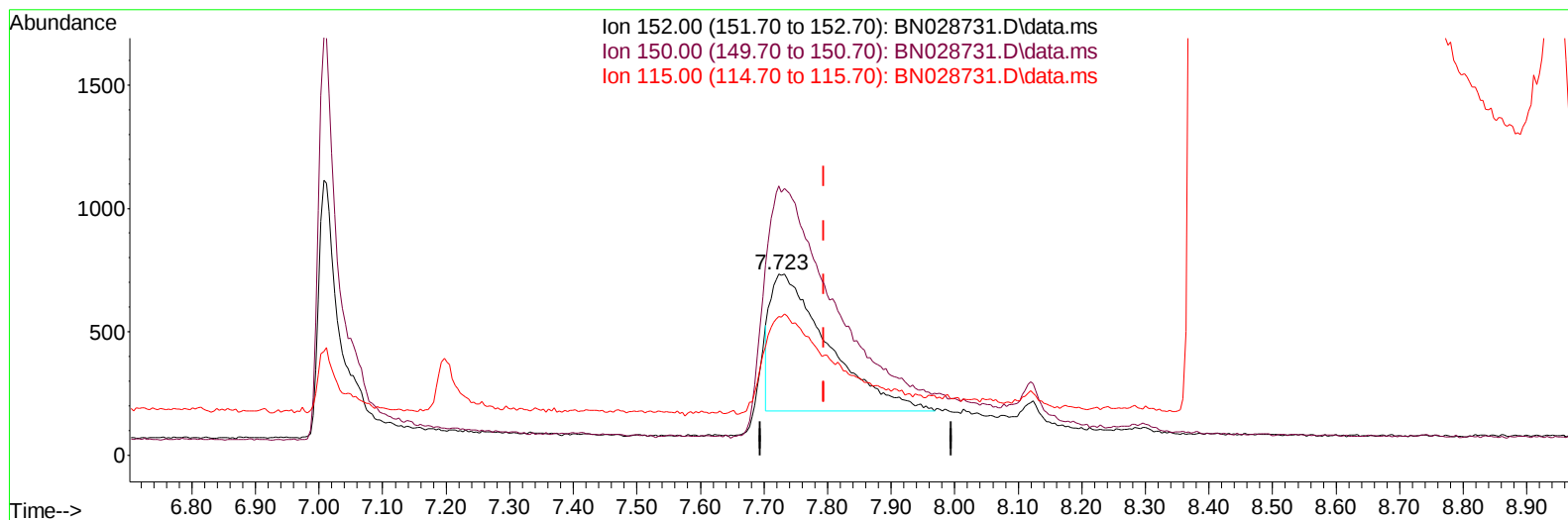
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028731.D
Acq On : 18 Nov 2023 09:55
Operator : MA/JU
Sample : 05369-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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 : Fri Nov 17 09:39:27 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

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

7.723min (-0.072) 0.40 ng/u1

response 3516

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	148.30
115.00	62.20	76.60#
0.00	0.00	0.00

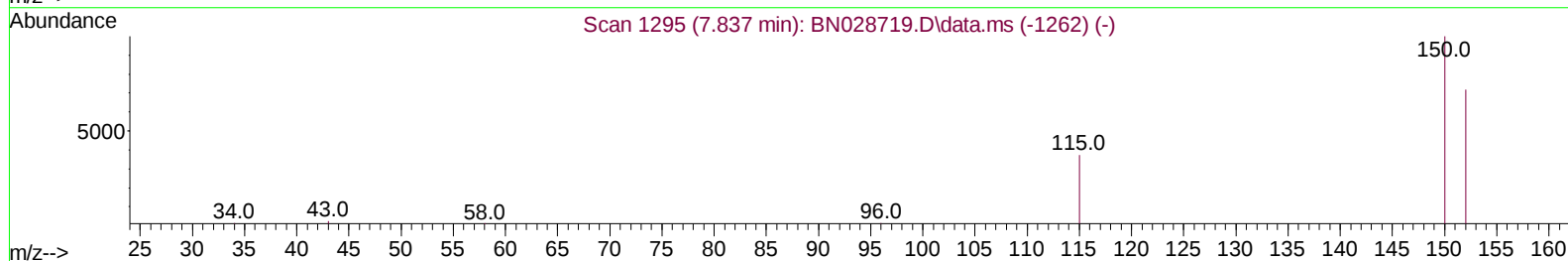
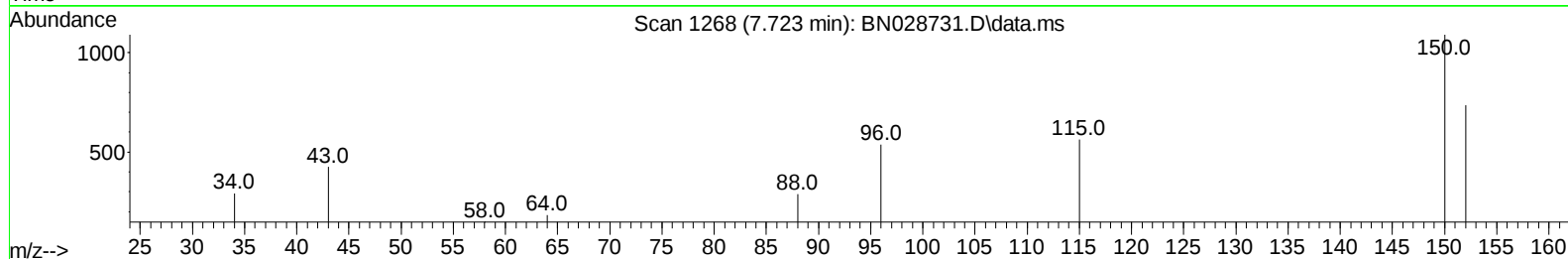
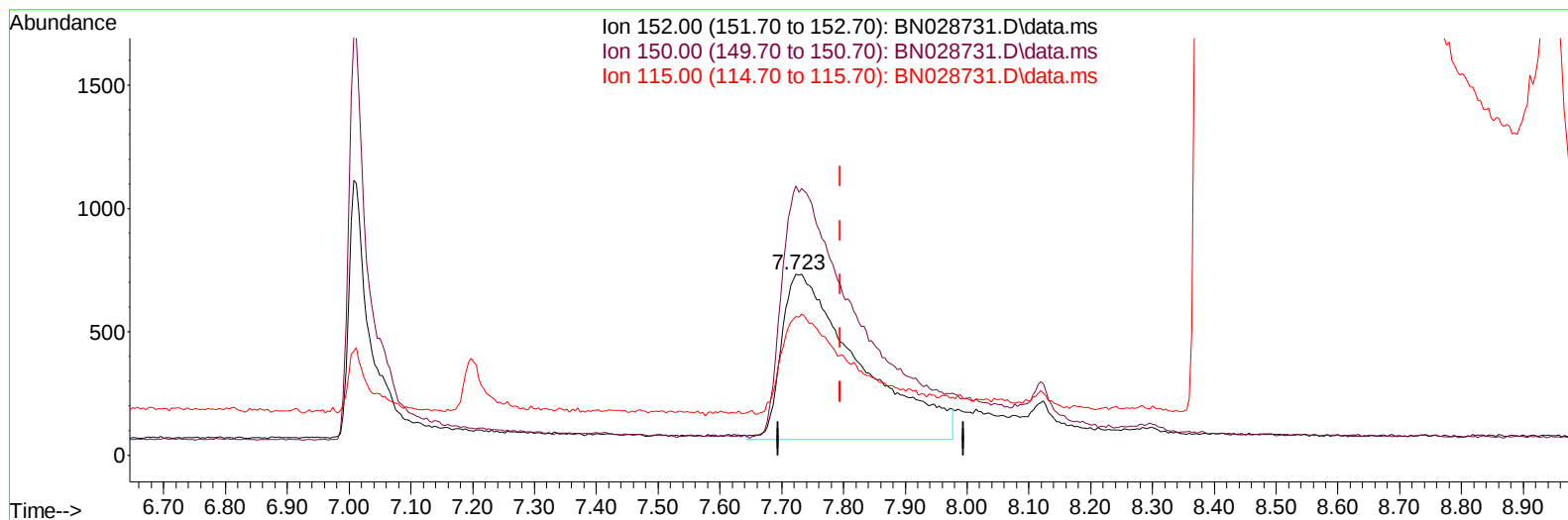
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Data File : BN028731.D
Acq On : 18 Nov 2023 09:55
Operator : MA/JU
Sample : 05369-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 09:39:27 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

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

7.723min (-0.072) 0.40 ng/ul m

response 5867

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	148.30
115.00	62.20	76.60#
0.00	0.00	0.00

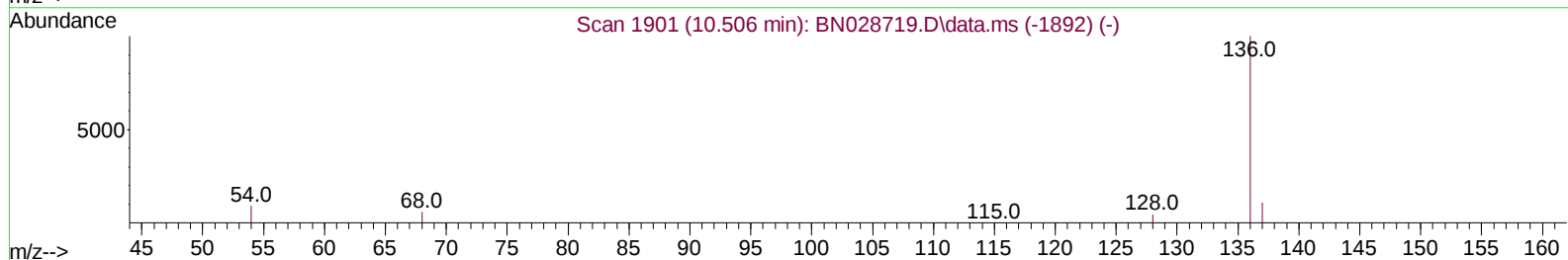
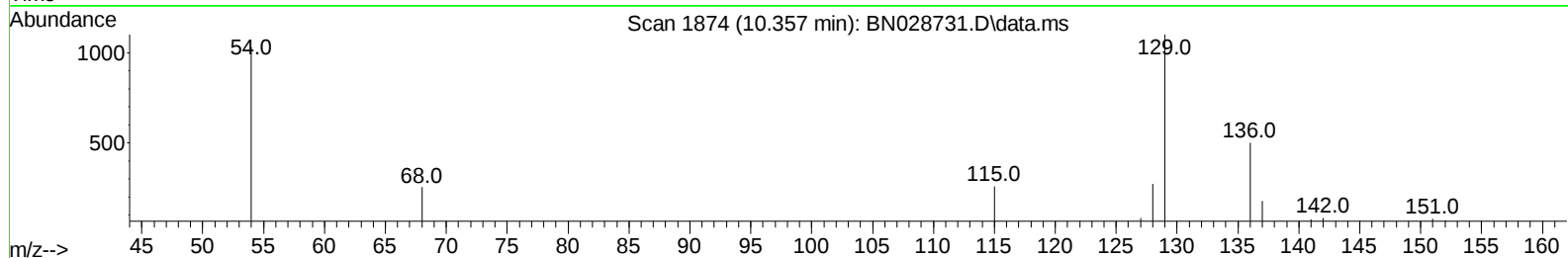
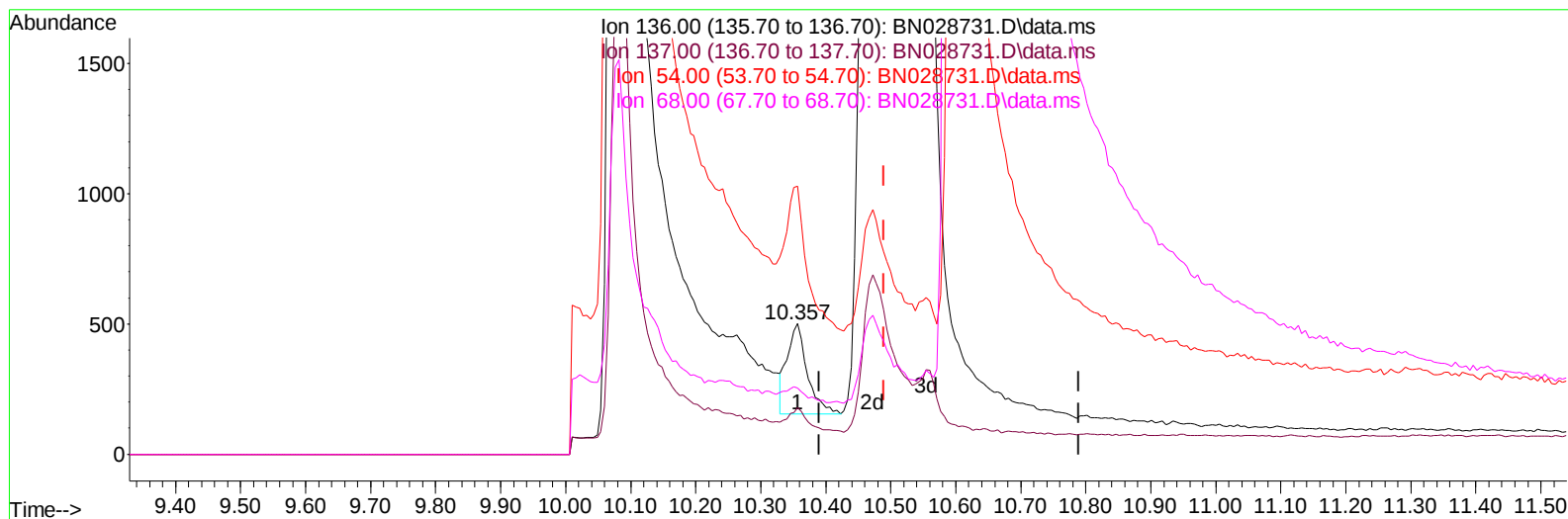
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Data File : BN028731.D
Acq On : 18 Nov 2023 09:55
Operator : MA/JU
Sample : 05369-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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 : Fri Nov 17 09:39:27 2023
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Reviewed By :Yogesh Patel 11/19/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(4) Naphthalene-d8 (I)

10.357min (-0.133) 0.40 ng/u1

response 747

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	35.53#
54.00	9.00	205.59#
68.00	7.10	50.70#

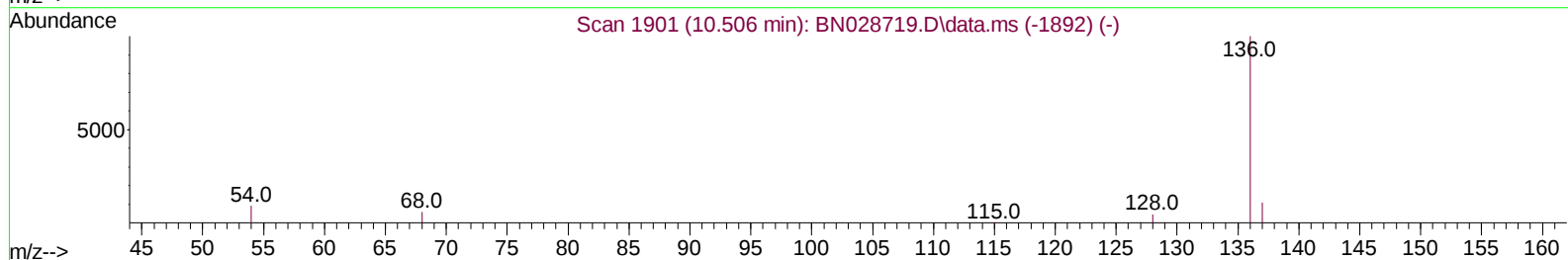
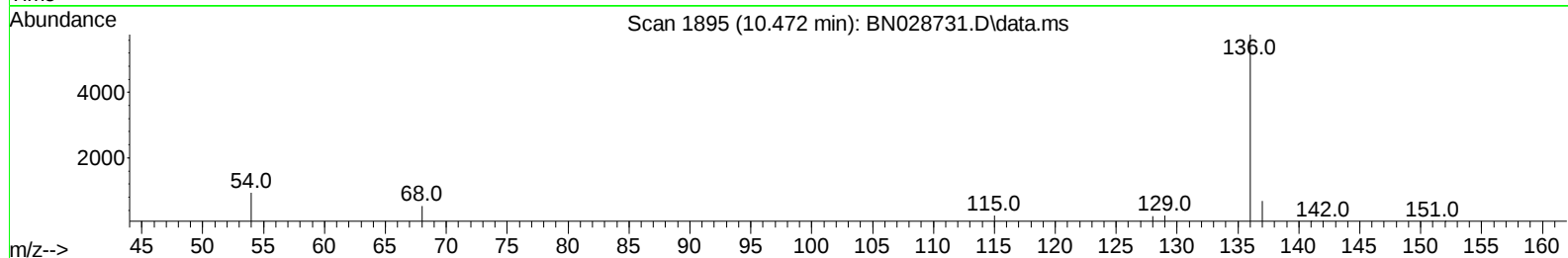
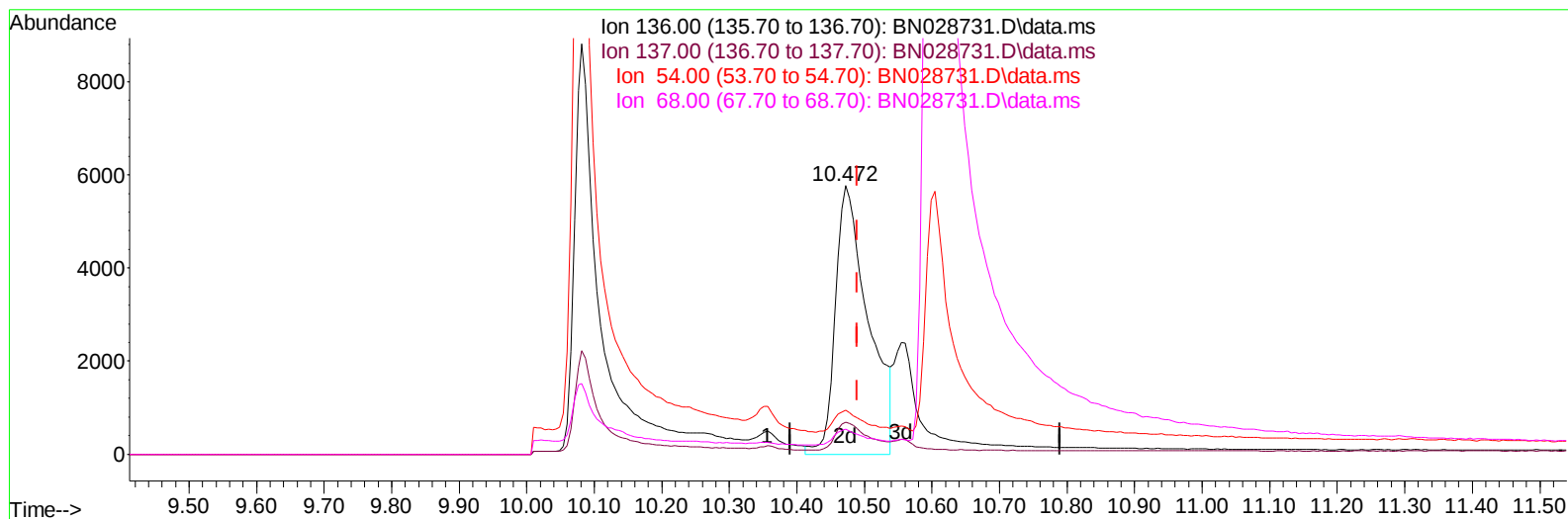
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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 : Fri Nov 17 09:39:27 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(4) Naphthalene-d8 (I)

10.472min (-0.018) 0.40 ng/ul m

response 19460

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	11.93
54.00	9.00	16.29#
68.00	7.10	9.24#

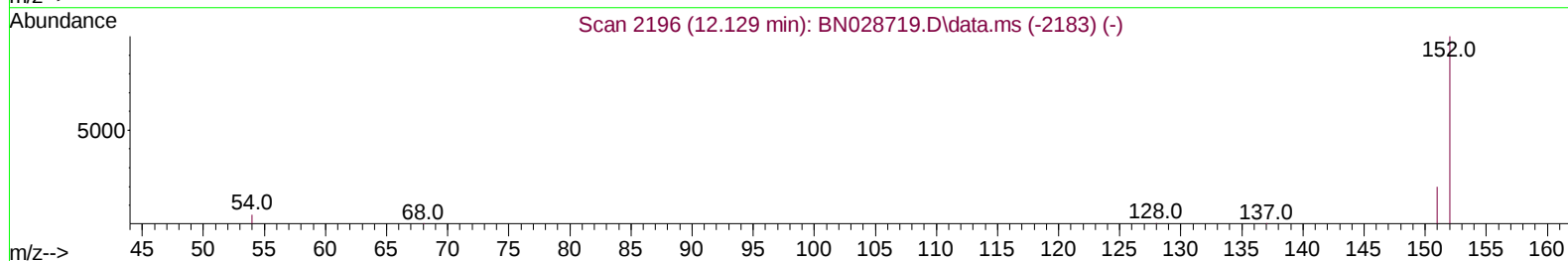
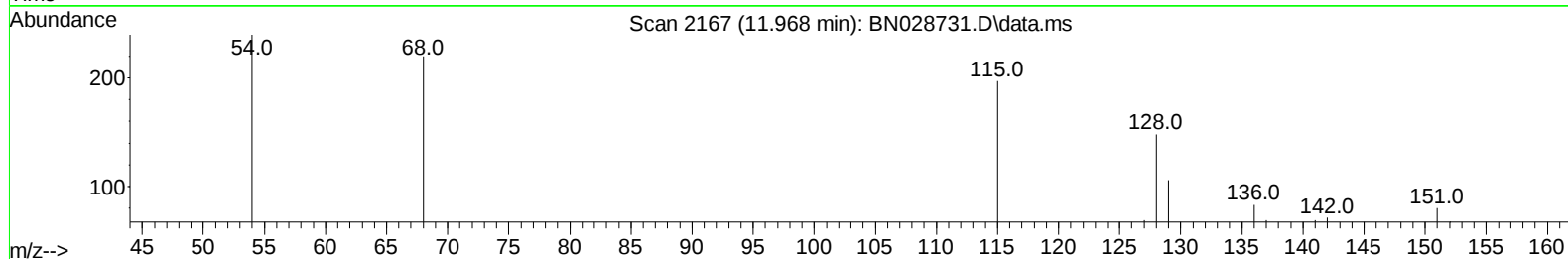
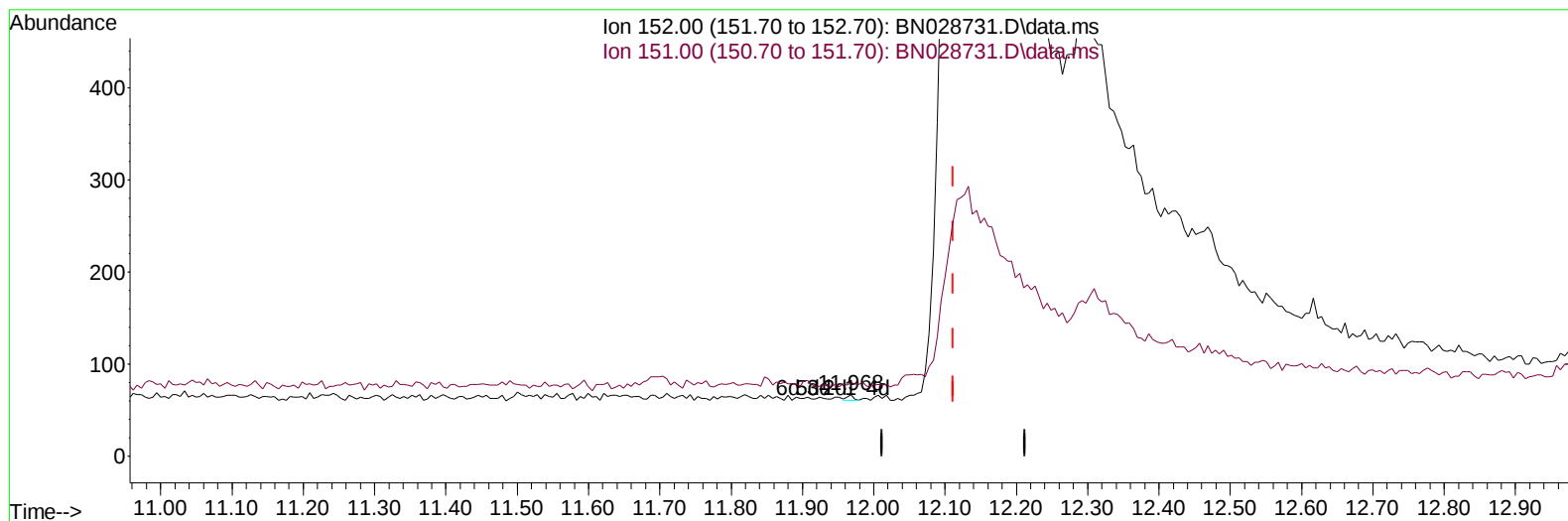
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028731.D
Acq On : 18 Nov 2023 09:55
Operator : MA/JU
Sample : 05369-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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 : Fri Nov 17 09:39:27 2023
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Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

11.968min (-0.144) 0.00 ng/u1

response	3	
Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	266.67#
0.00	0.00	0.00
0.00	0.00	0.00

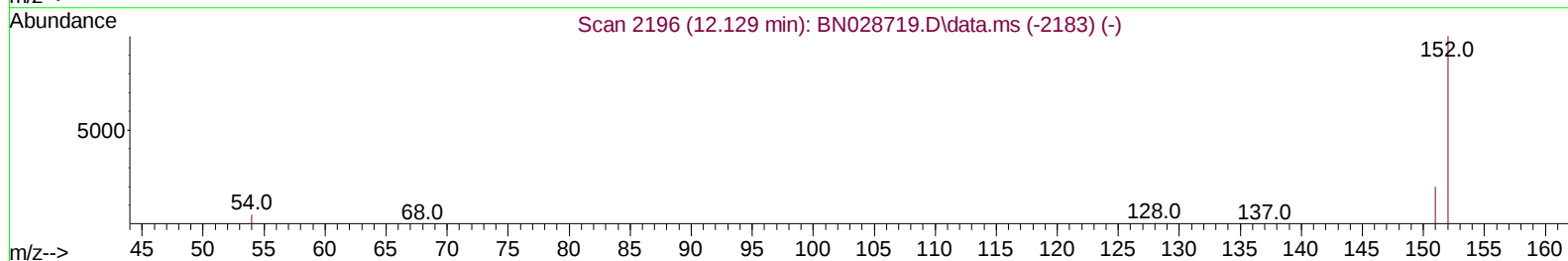
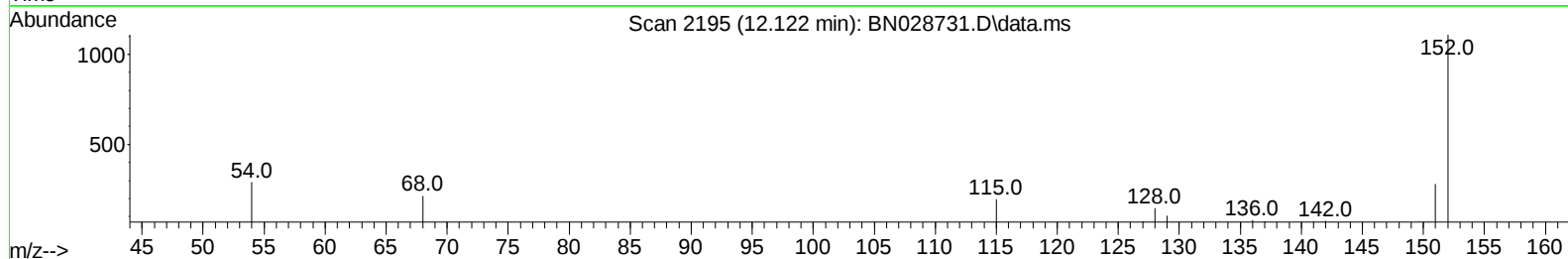
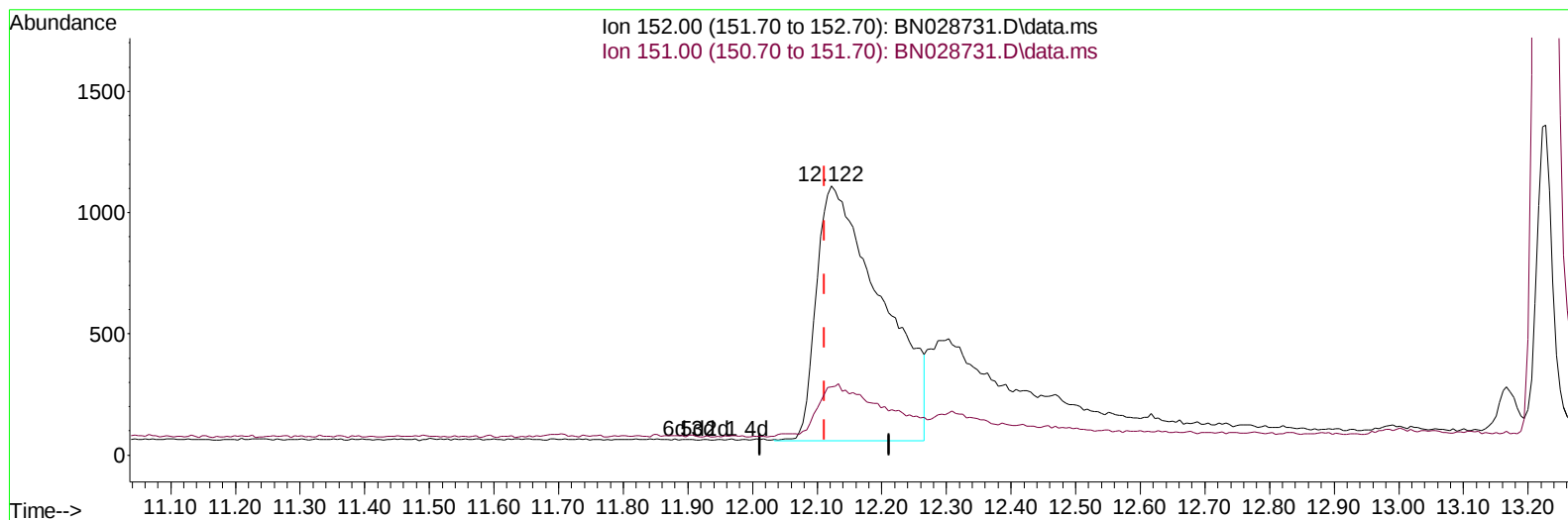
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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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TIC: BN028731.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.122min (+ 0.010) 0.25 ng/ul m

response 7337

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	0.11#
0.00	0.00	0.00
0.00	0.00	0.00

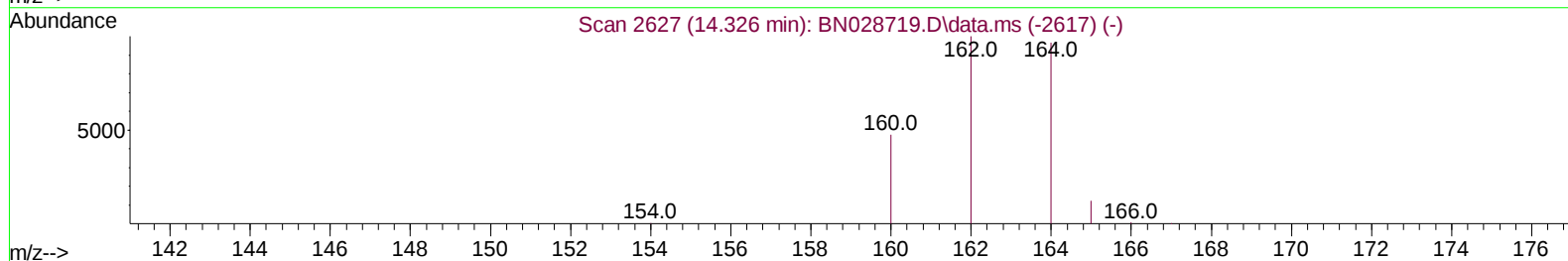
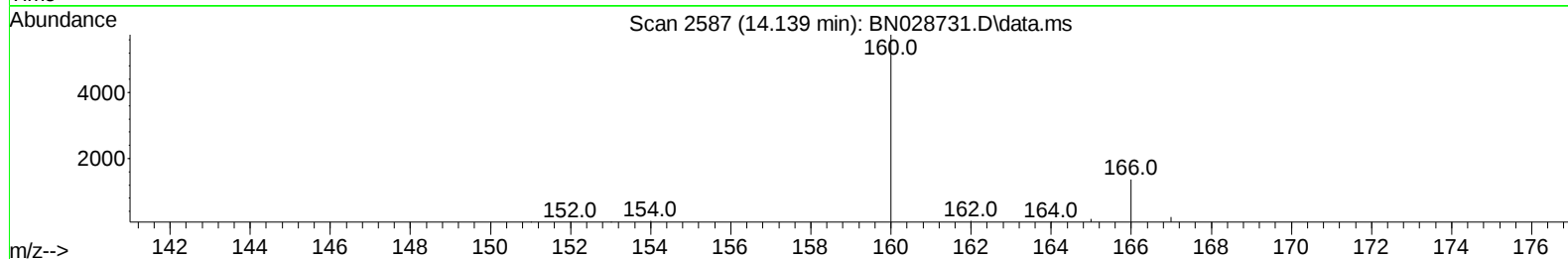
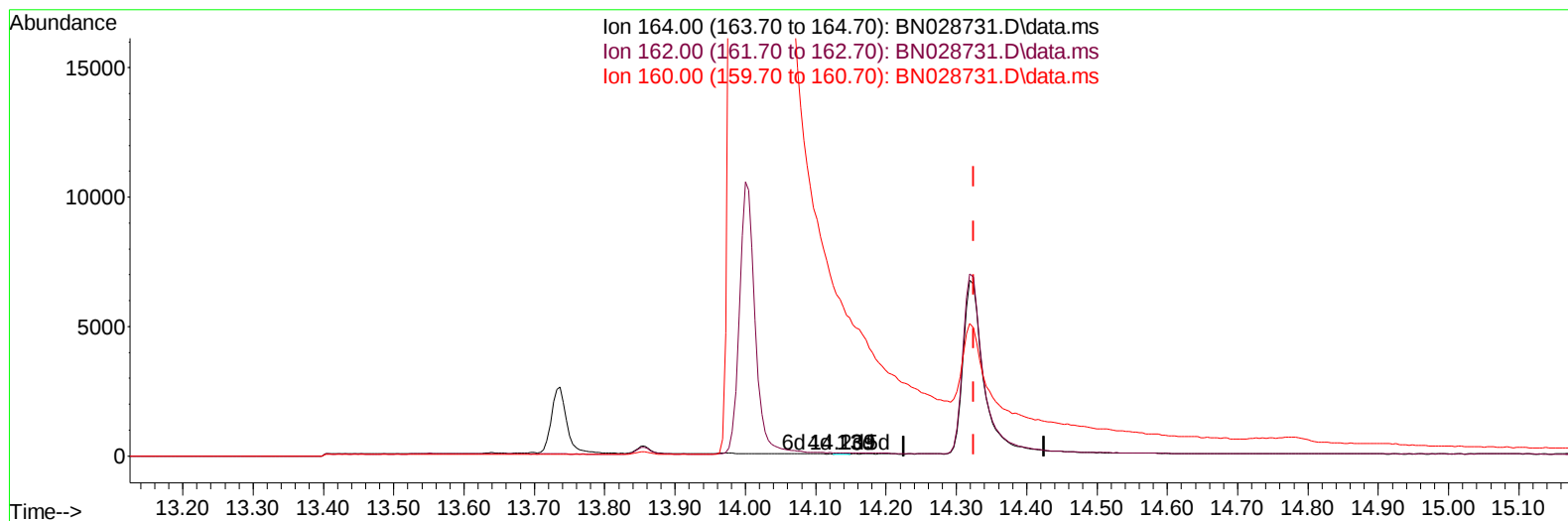
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
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 QLast Update : Fri Nov 17 09:39:27 2023
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TIC: BN028731.D\data.ms

(9) Acenaphthene-d10 (I)

14.139min (-0.186) 0.40 ng/u1

response 5

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	140.74#
160.00	49.20	7097.53#
0.00	0.00	0.00

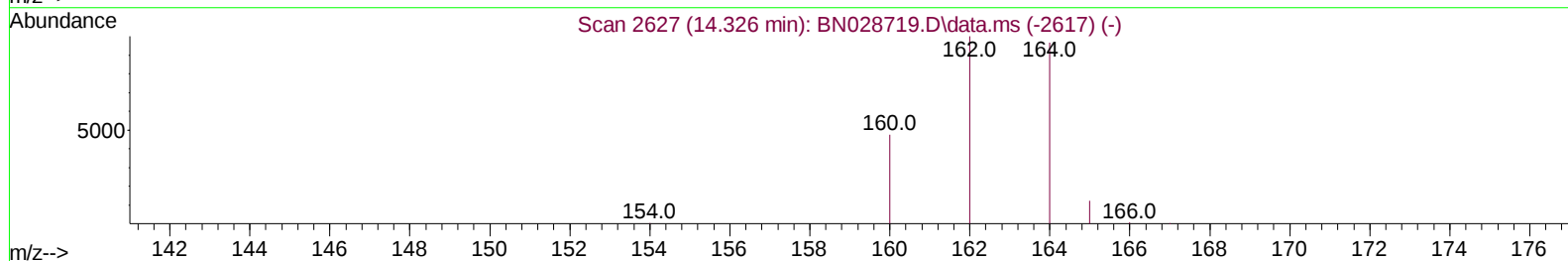
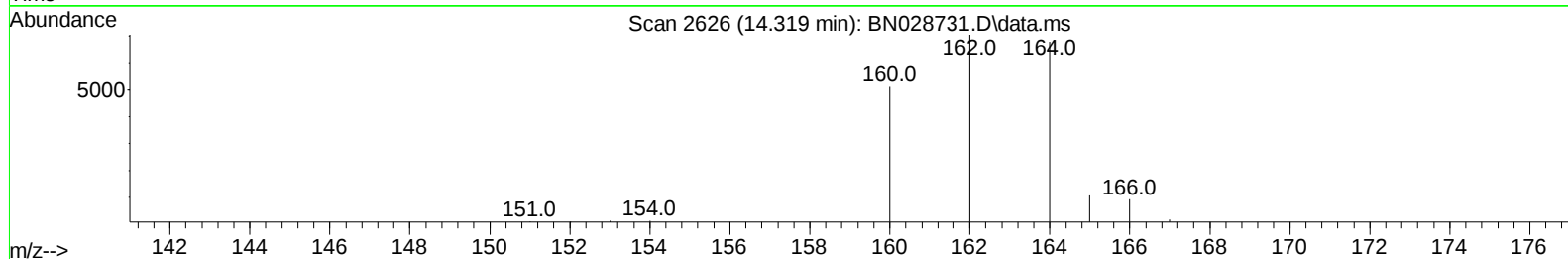
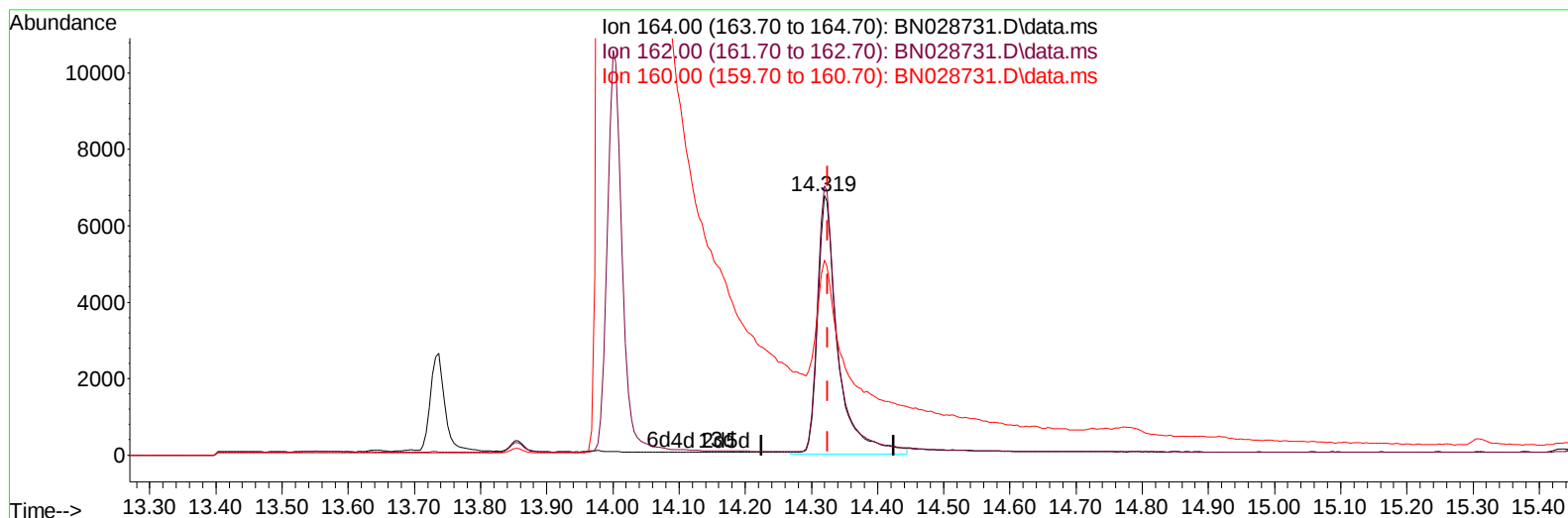
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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 : Fri Nov 17 09:39:27 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(9) Acenaphthene-d10 (I)

14.319min (-0.006) 0.40 ng/u1 m

response 14401

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	103.67
160.00	49.20	75.26#
0.00	0.00	0.00

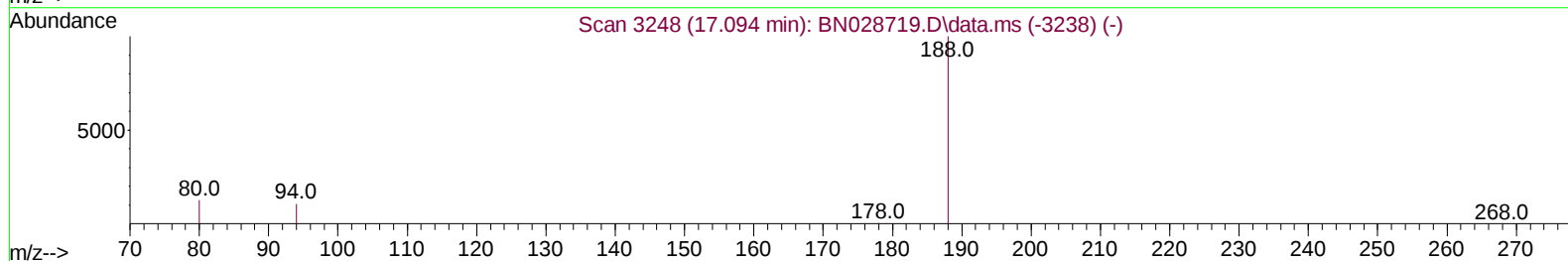
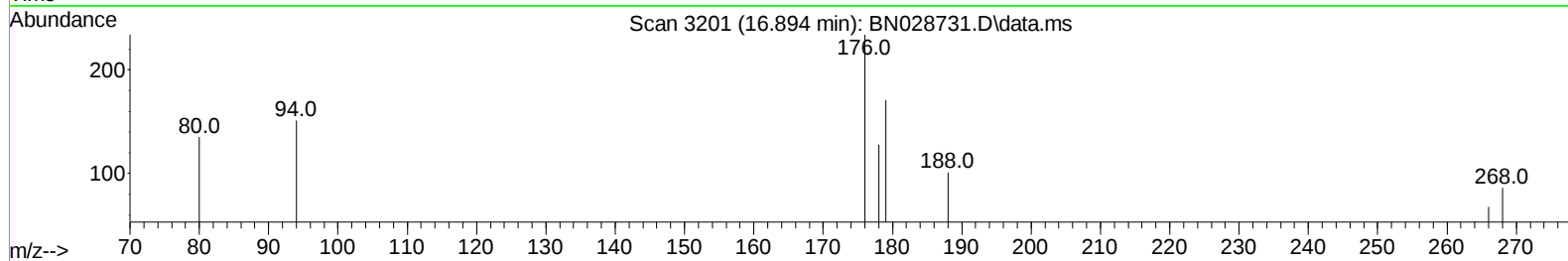
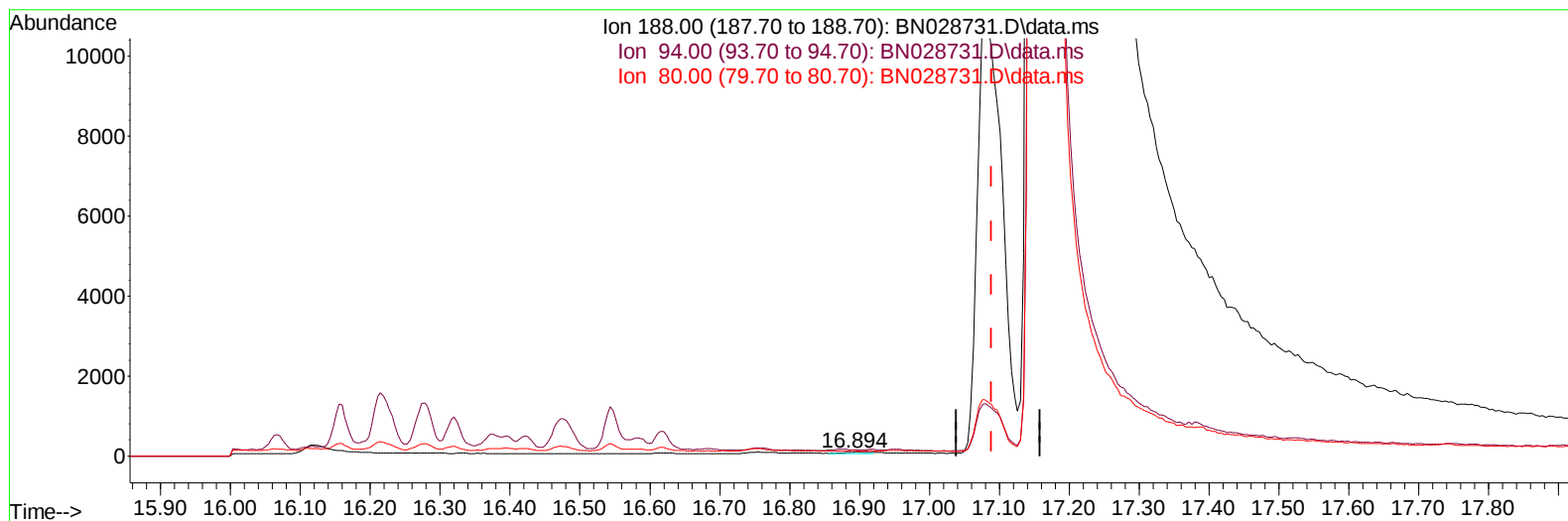
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Data File : BN028731.D
Acq On : 18 Nov 2023 09:55
Operator : MA/JU
Sample : 05369-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
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TIC: BN028731.D\data.ms

(13) Phenanthrene-d10 (I)

16.894min (-0.195) 0.40 ng/u1

response 74

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	149.50#
80.00	10.90	133.66#
0.00	0.00	0.00

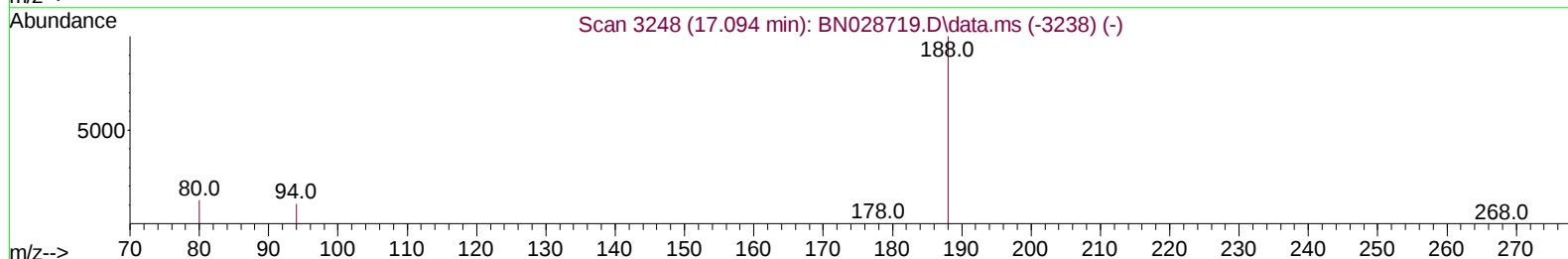
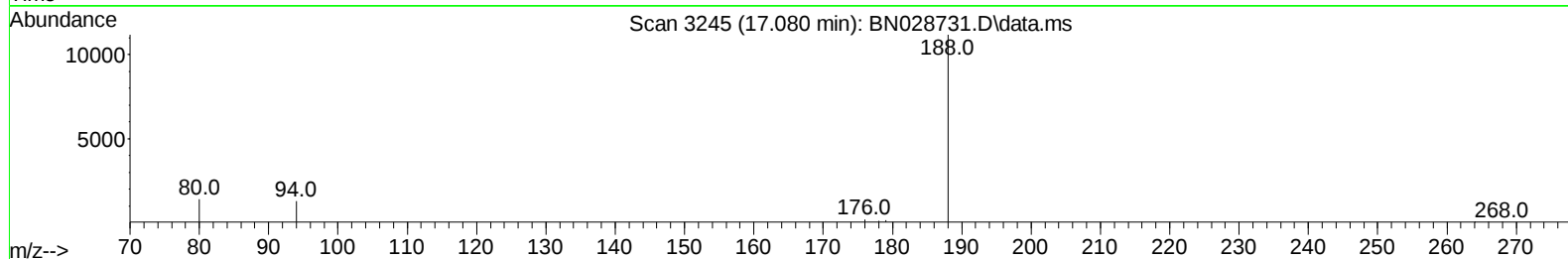
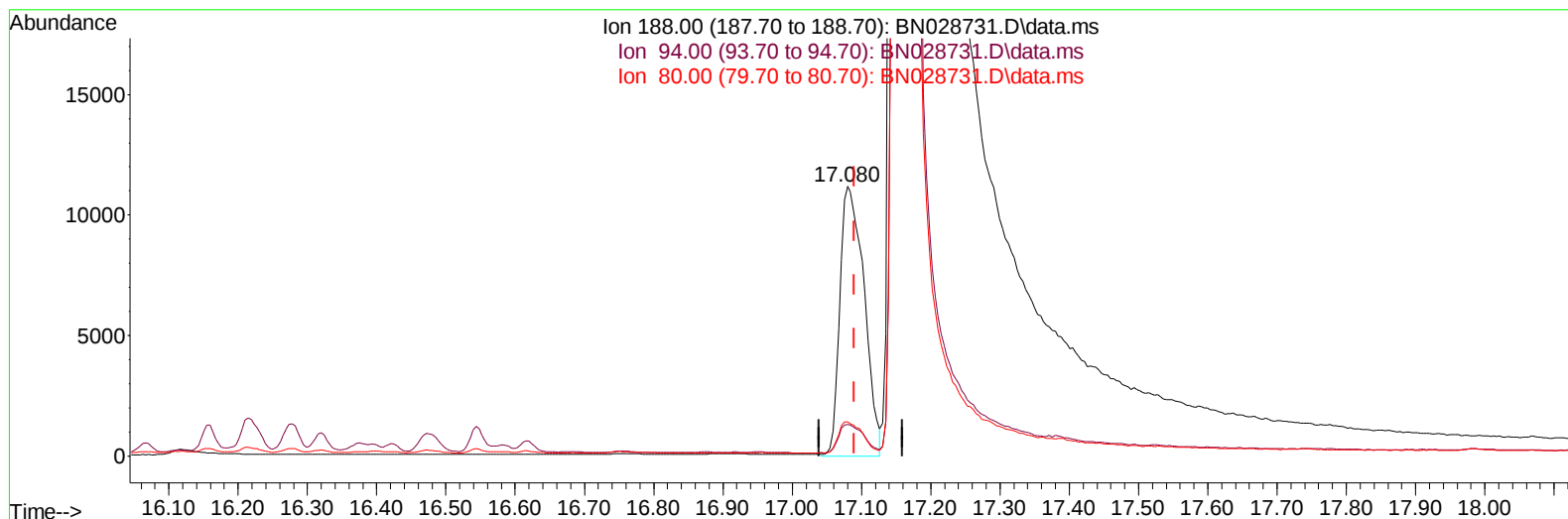
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 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 2023
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 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(13) Phenanthrene-d10 (I)

17.080min (-0.010) 0.40 ng/ul m

response 27052

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	11.72
80.00	10.90	12.63
0.00	0.00	0.00

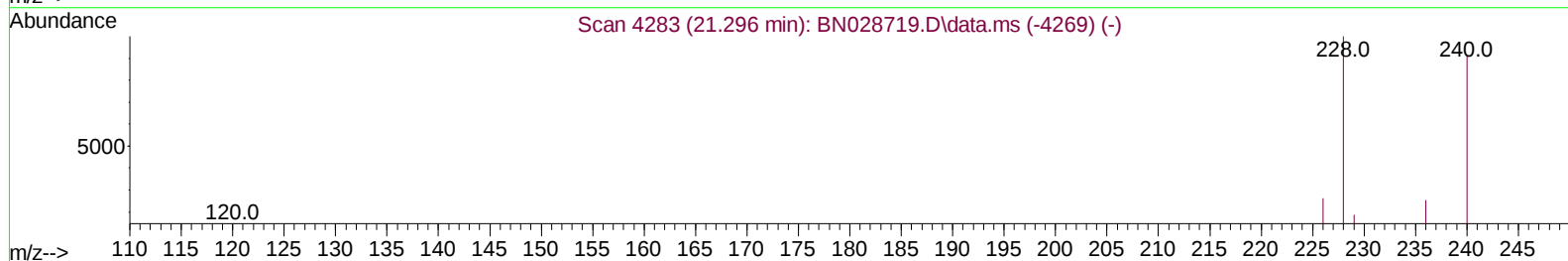
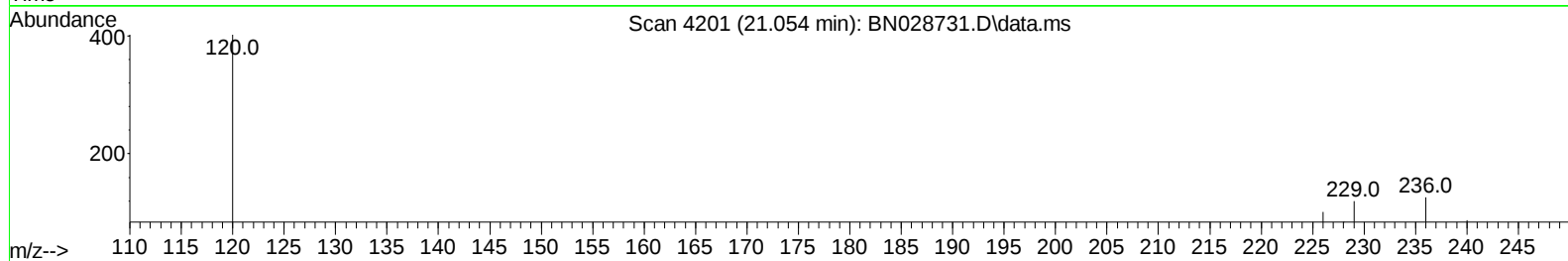
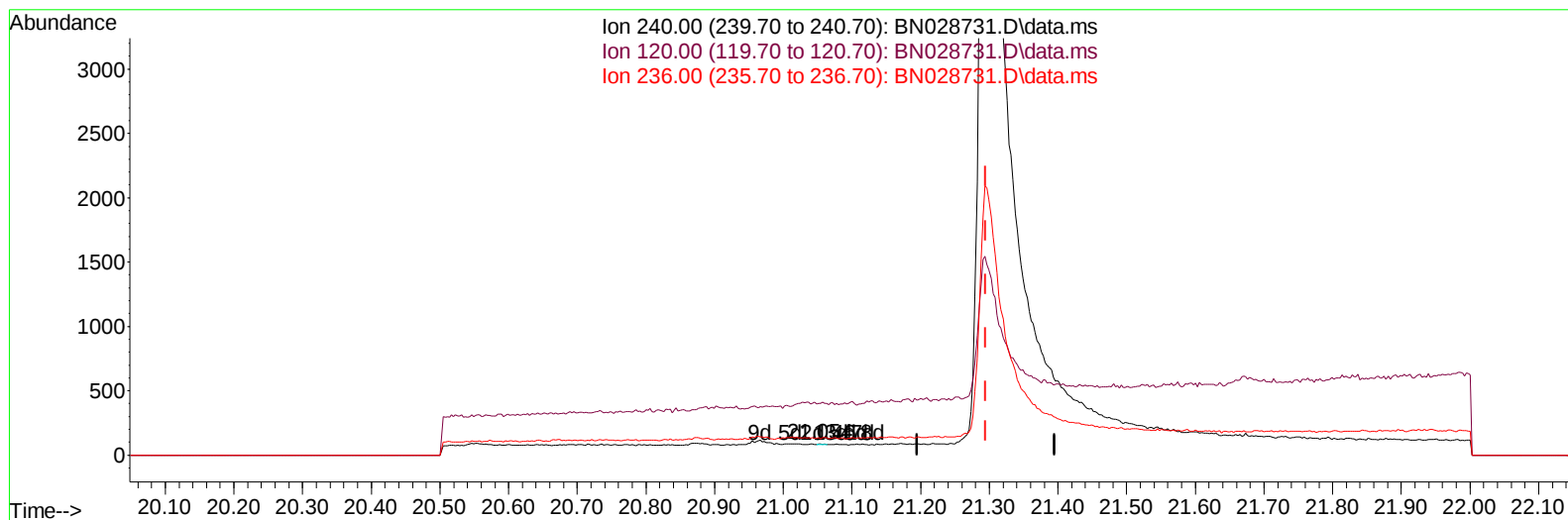
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(17) Chrysene-d12

21.054min (-0.241) 0.40 ng/u1

response 3

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	462.07#
236.00	28.00	144.83#
0.00	0.00	0.00

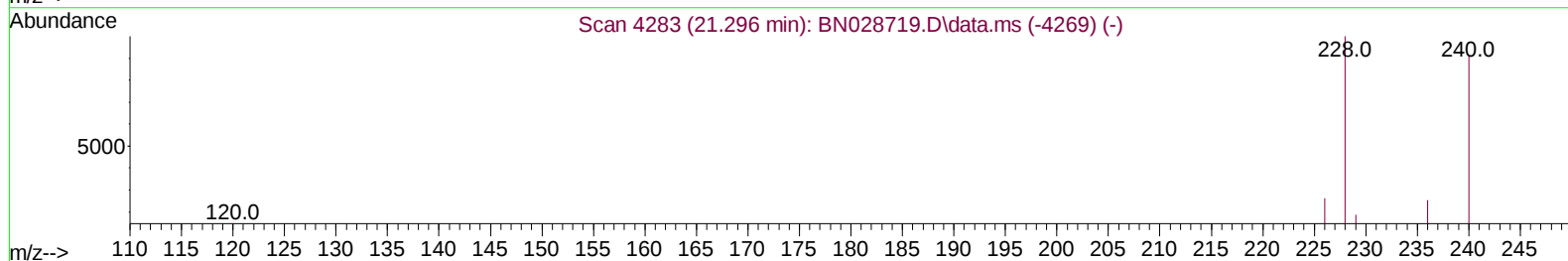
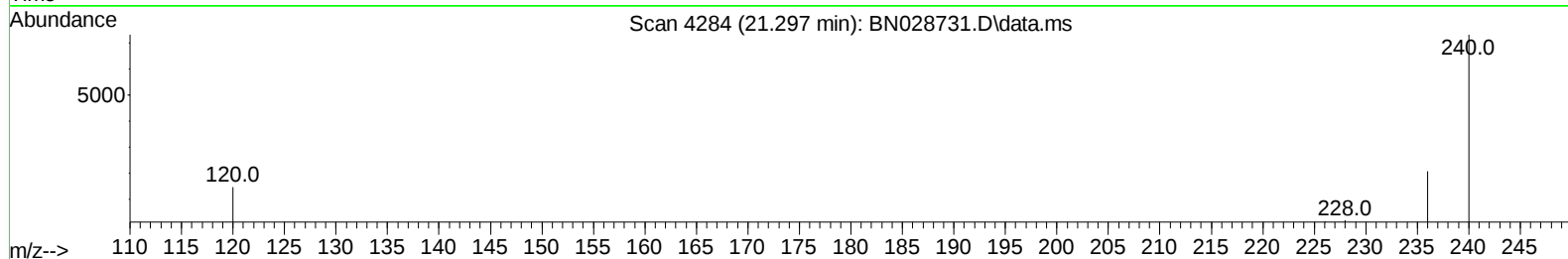
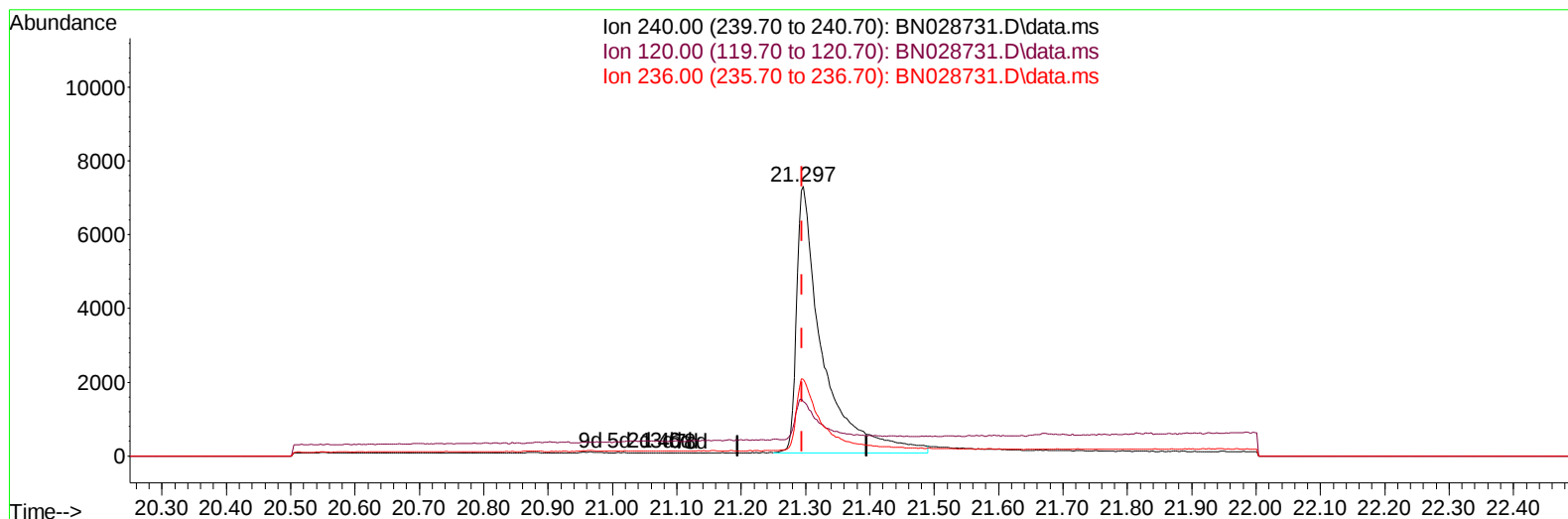
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 2023
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Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(17) Chrysene-d12

21.297min (+ 0.001) 0.40 ng/ul m

response 20152

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	20.24#
236.00	28.00	28.44
0.00	0.00	0.00

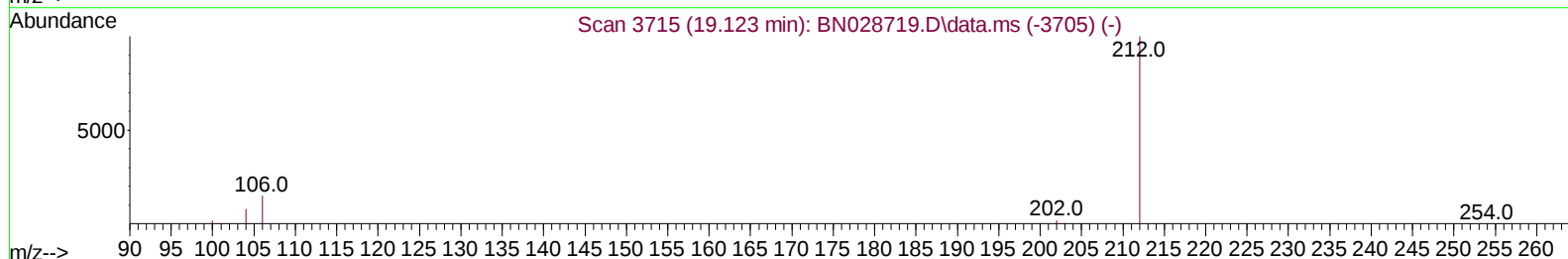
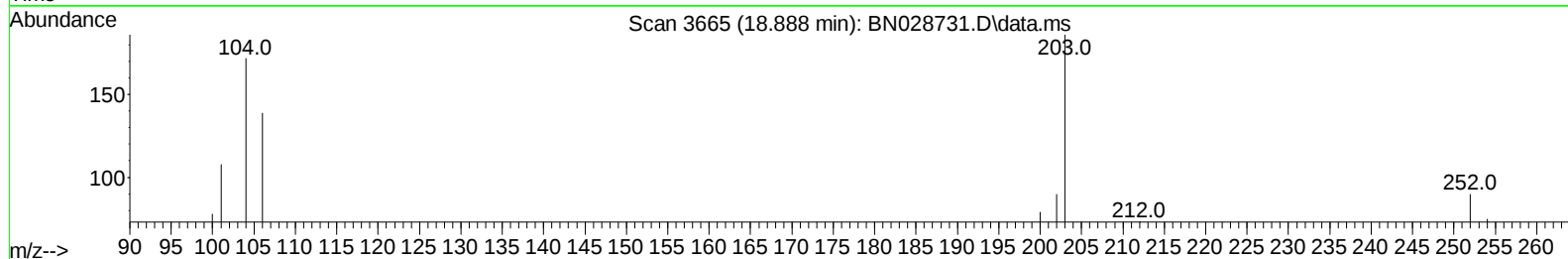
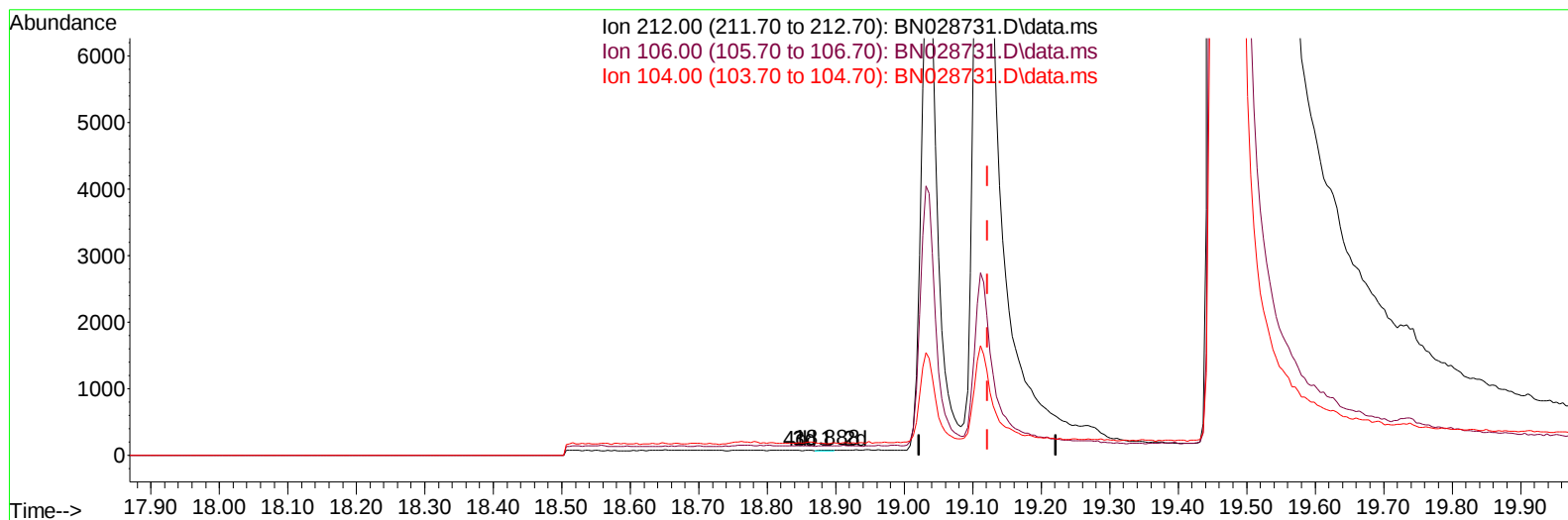
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 2023
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TIC: BN028731.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.888min (-0.234) 0.00 ng/u1

response 6

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	66.67#
104.00	8.30	183.33#
0.00	0.00	0.00

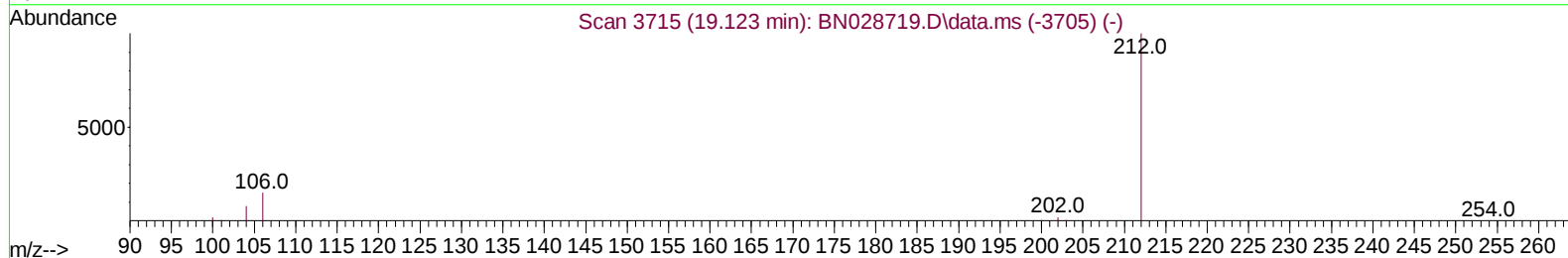
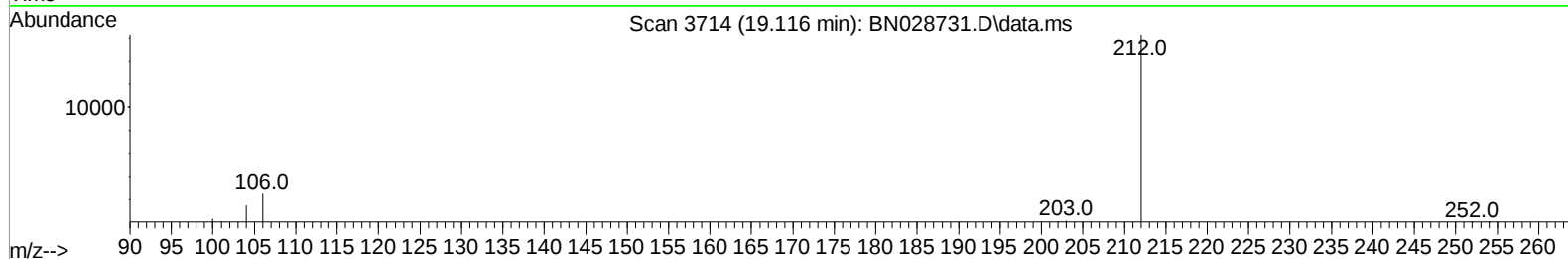
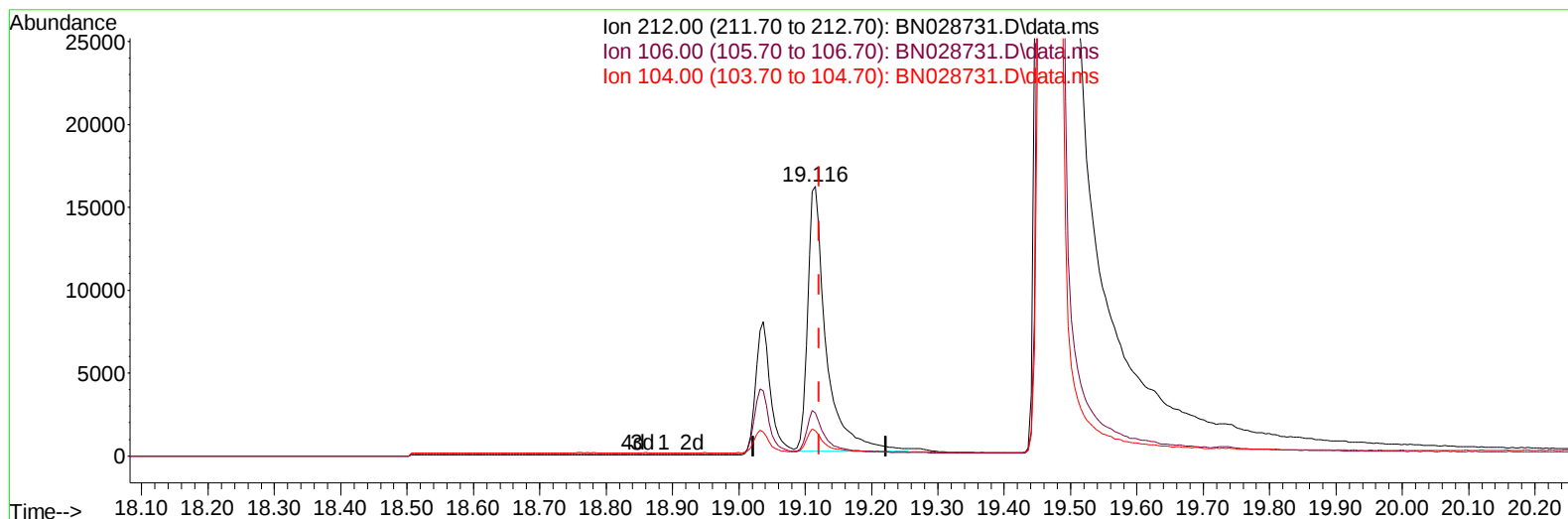
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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 : Fri Nov 17 09:39:27 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/19/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028731.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.116min (-0.006) 0.48 ng/u1 m

response 31053

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	0.01#
104.00	8.30	0.04#
0.00	0.00	0.00

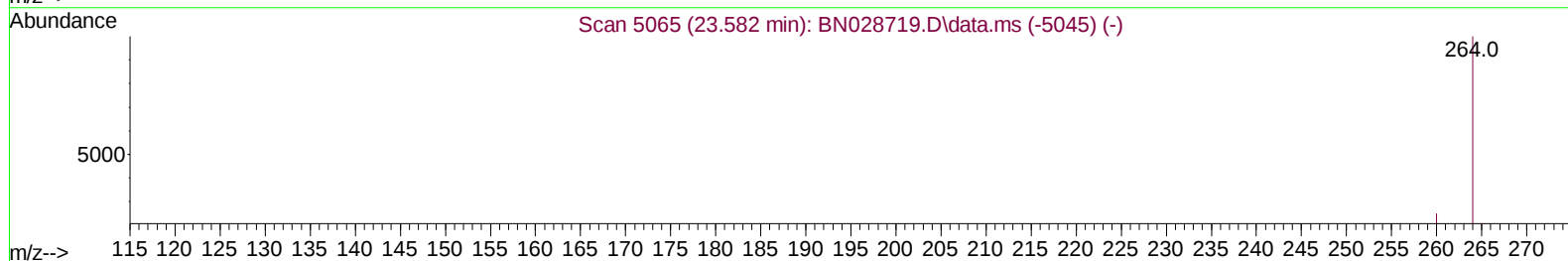
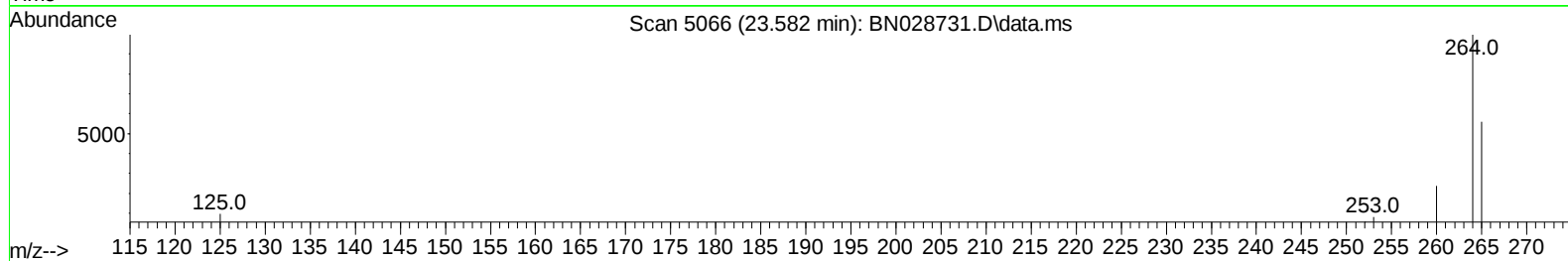
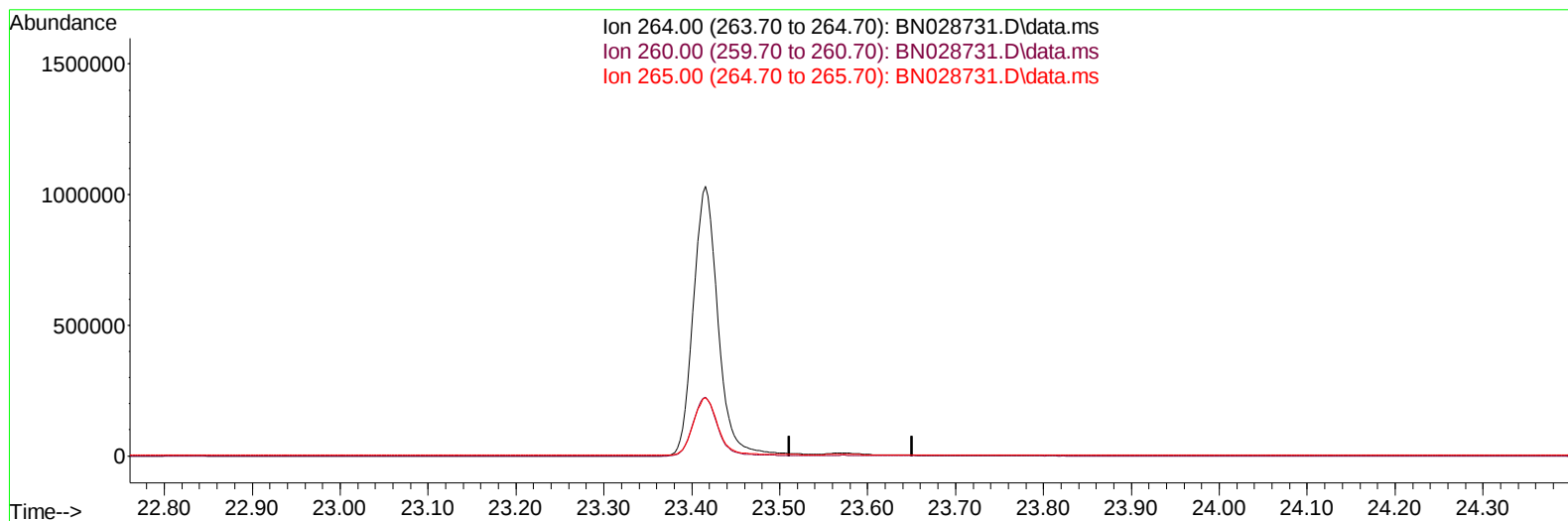
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

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TIC: BN028731.D\data.ms

(23) Perylene-d12 (I)

23.581min (-23.581) 0.00 ng/u1

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	25.40	0.00#
265.00	38.80	0.00#
0.00	0.00	0.00

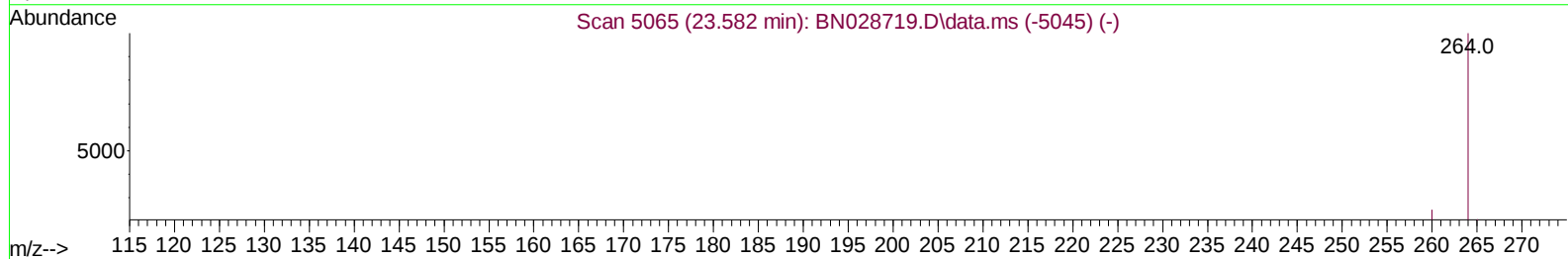
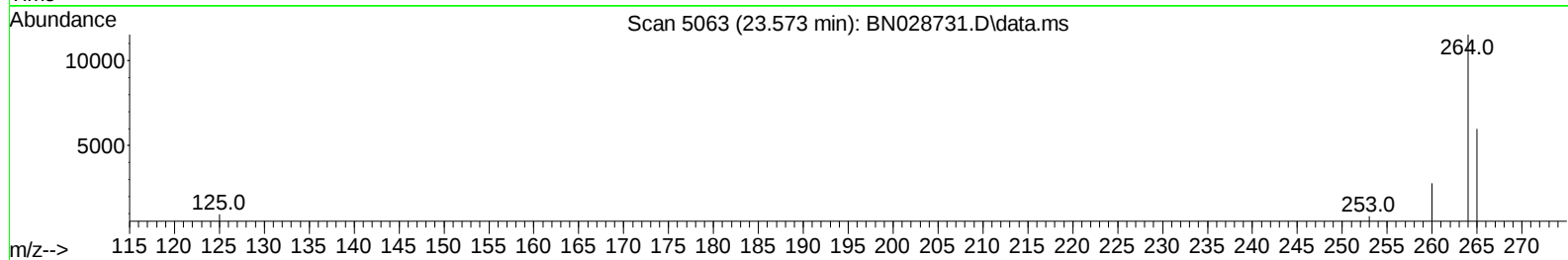
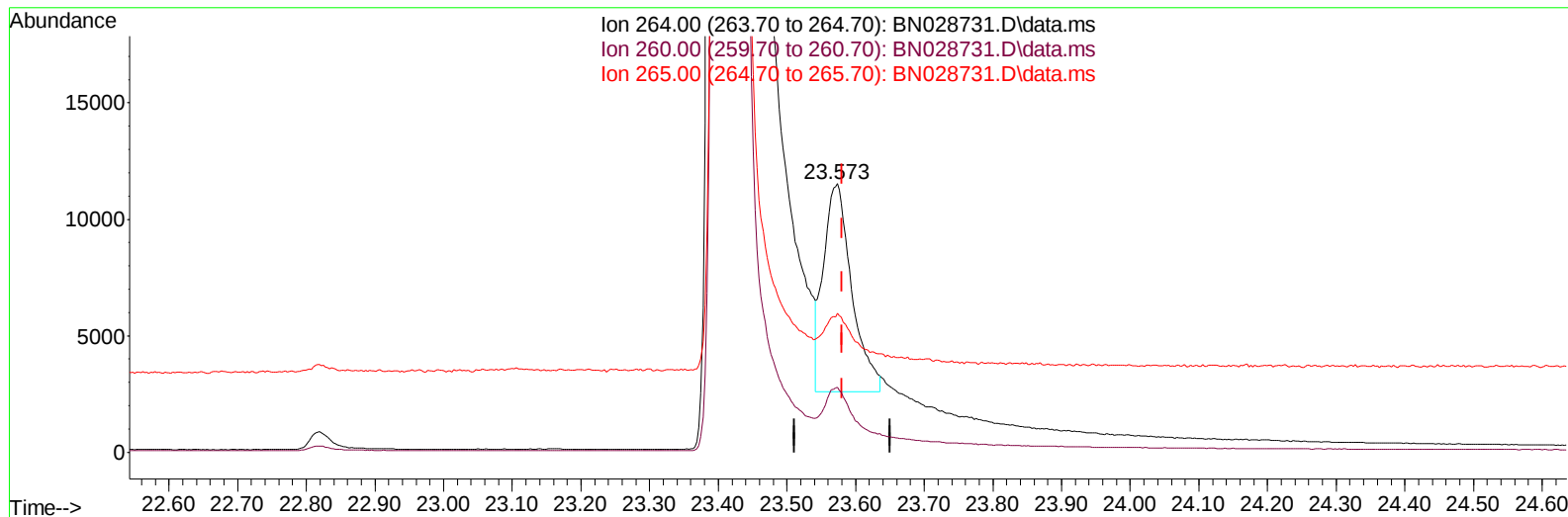
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028731.D
Acq On : 18 Nov 2023 09:55
Operator : MA/JU
Sample : 05369-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN7

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:01:02 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 : Fri Nov 17 09:39:27 2023
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TIC: BN028731.D\data.ms

(23) Perylene-d12 (I)

23.573min (-0.007) 0.40 ng/ul m

response 25479

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	24.25
265.00	38.80	51.78#
0.00	0.00	0.00

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 Data File : BN028731.D
 Acq On : 18 Nov 2023 09:55
 Operator : MA/JU
 Sample : 05369-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2023
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.723	152		5867m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.472	136		19460m	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.319	164		14401m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.080	188		27052m	0.400	ng/ul	0.00
17) Chrysene-d12	21.297	240		20152m	0.400	ng/ul	0.00
23) Perylene-d12	23.573	264		25479m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.112	96		34556	5.329	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.122	152		7337m	0.250	ng/ul	0.00
18) Fluoranthene-d10	19.116	212		31053m	0.479	ng/ul	0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.150	88		1617	0.226	ng/ul#	72

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

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