

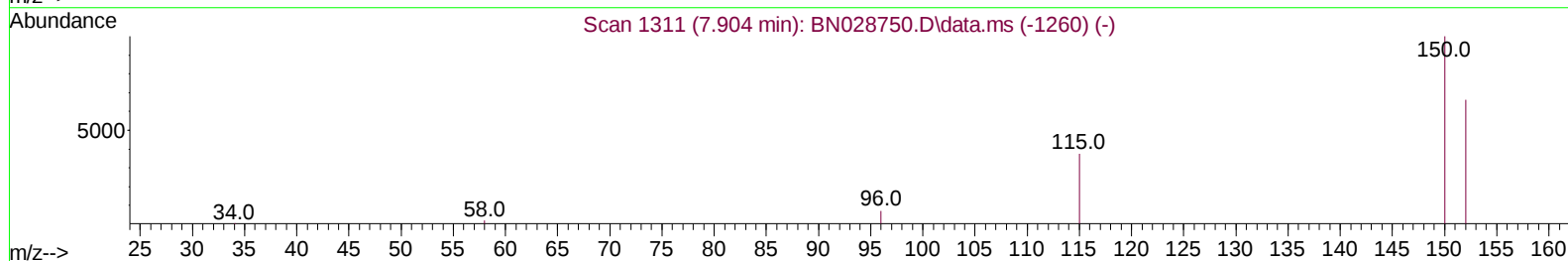
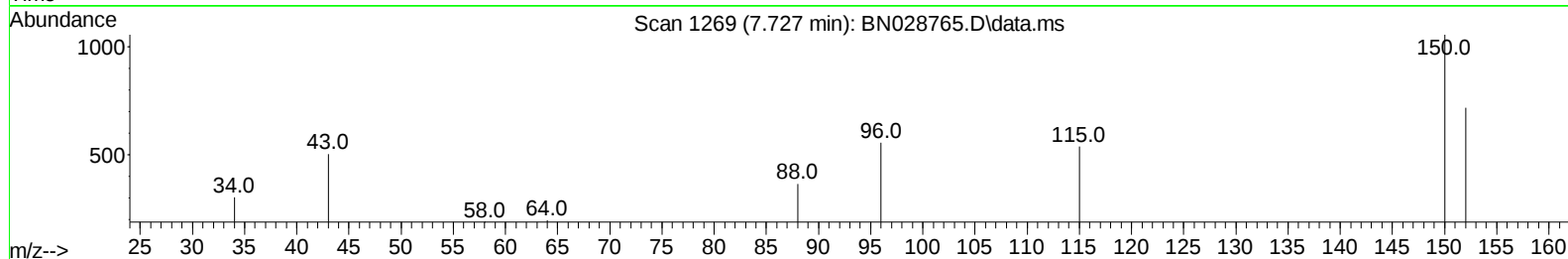
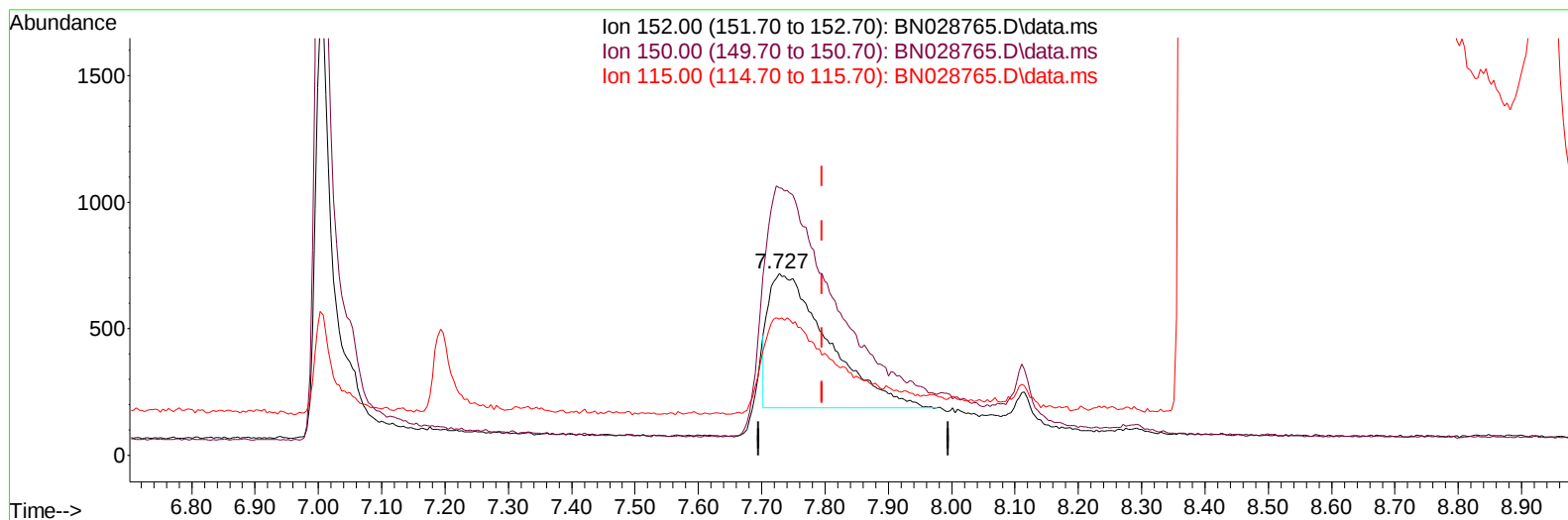
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

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

7.727min (-0.068) 0.40 ng/u1

response 3487

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	147.01
115.00	62.20	74.83#
0.00	0.00	0.00

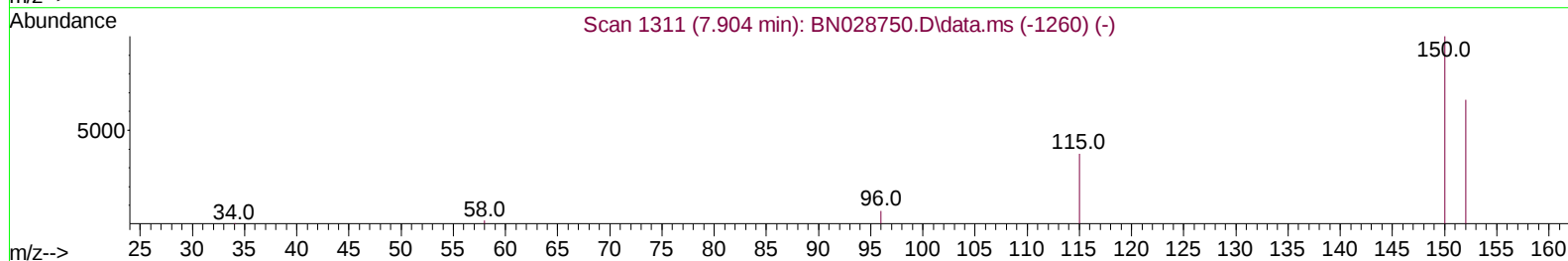
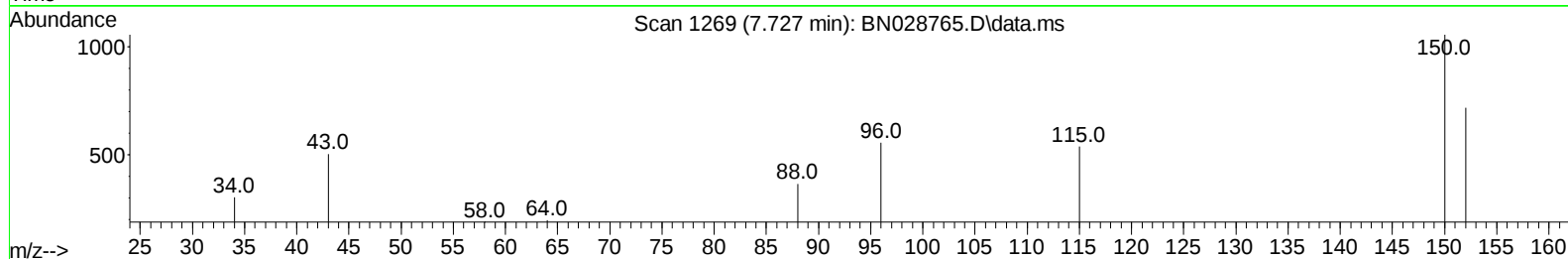
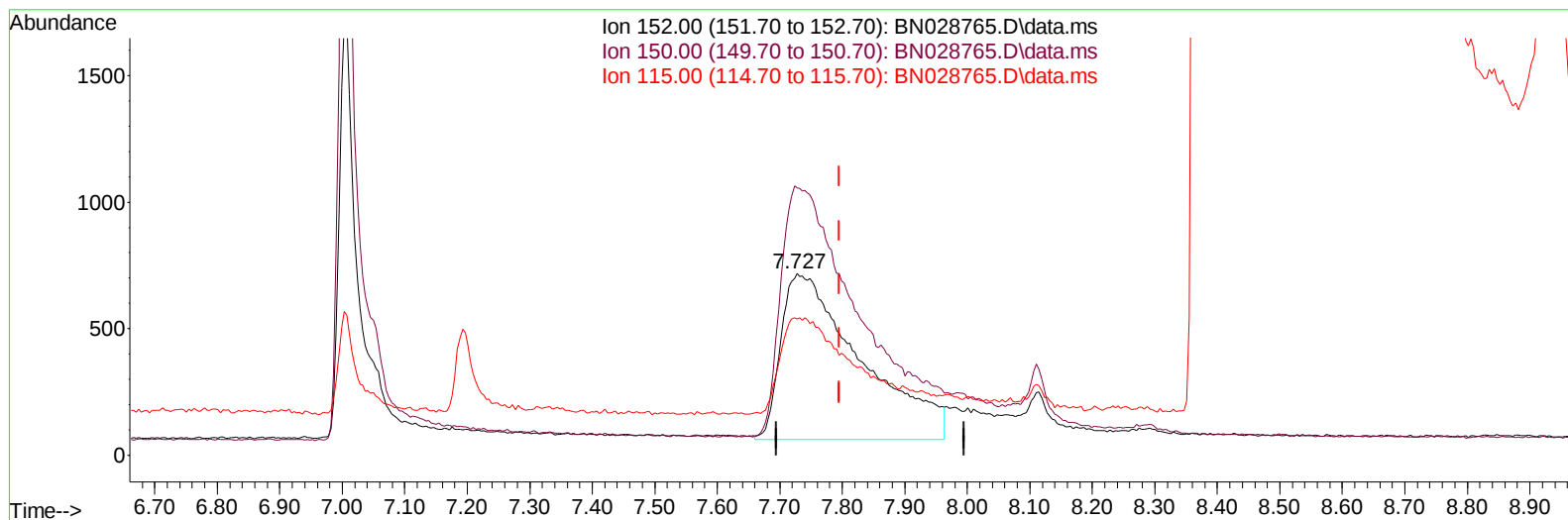
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

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

7.727min (-0.068) 0.40 ng/ul m

response 5813

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	147.01
115.00	62.20	74.83#
0.00	0.00	0.00

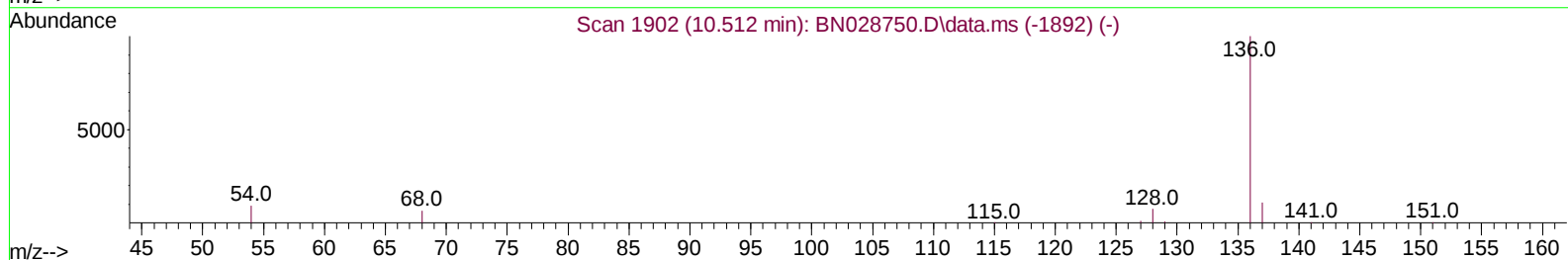
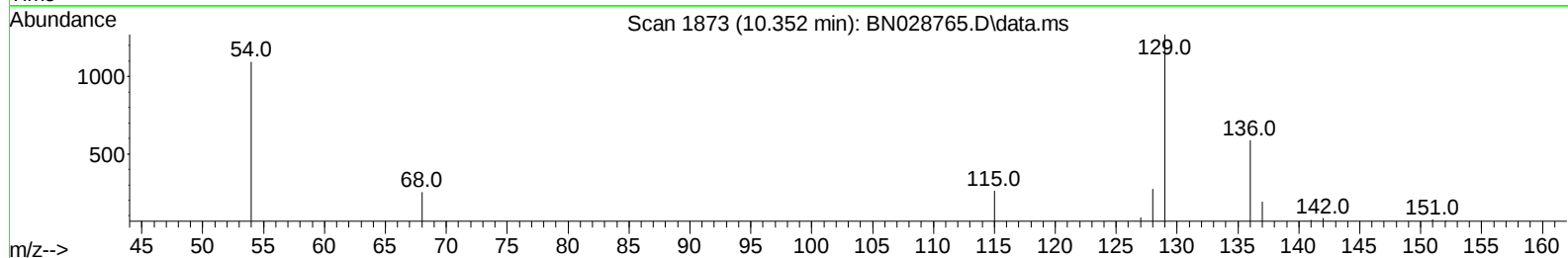
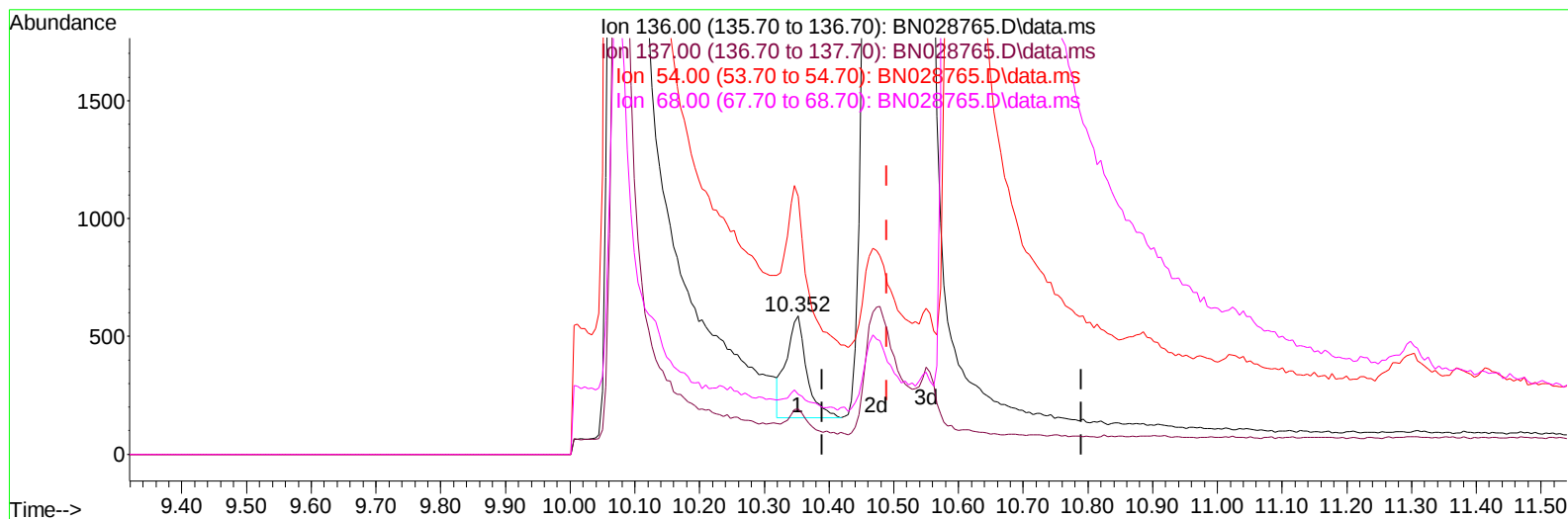
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(4) Naphthalene-d8 (I)

10.352min (-0.138) 0.40 ng/u1

response 949

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	32.76#
54.00	9.00	186.86#
68.00	7.10	43.34#

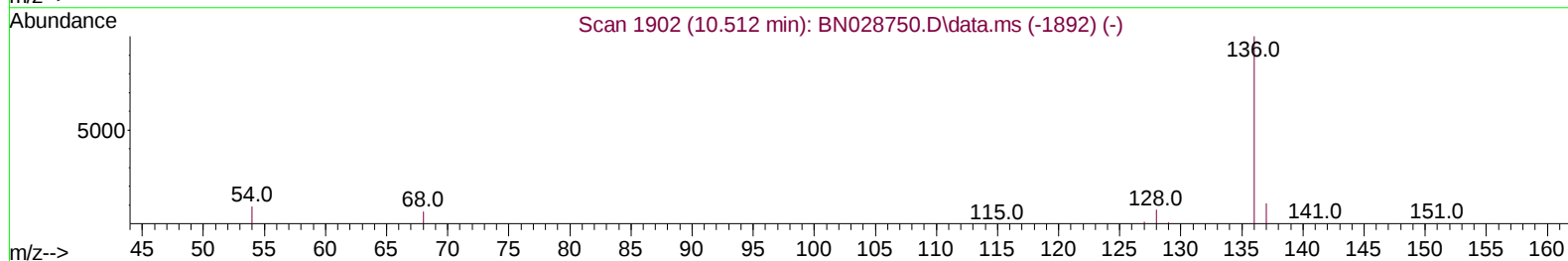
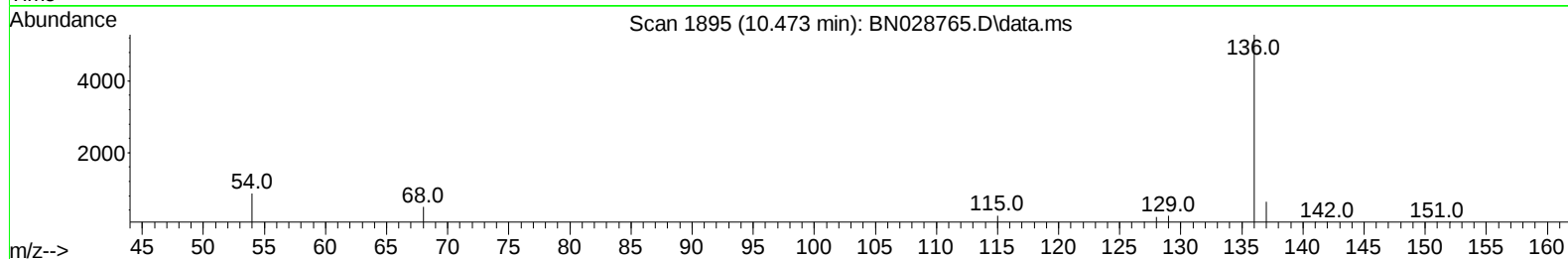
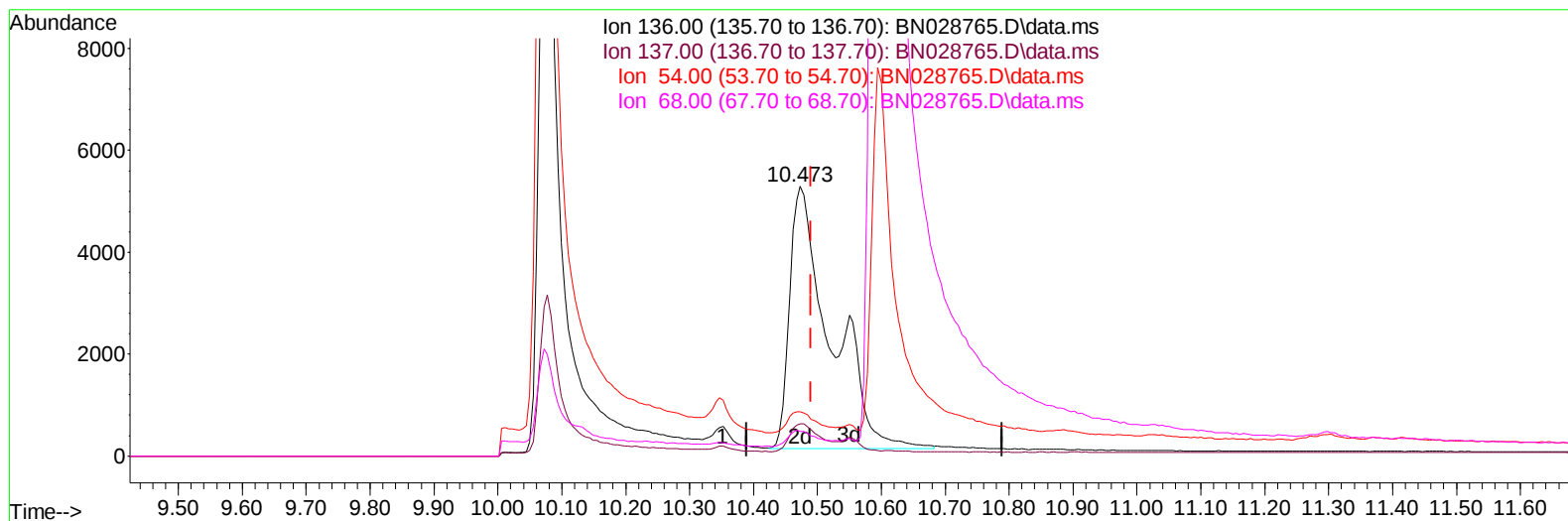
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(4) Naphthalene-d8 (I)

10.473min (-0.017) 0.40 ng/ul m

response 22970

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	11.81
54.00	9.00	16.31#
68.00	7.10	9.21#

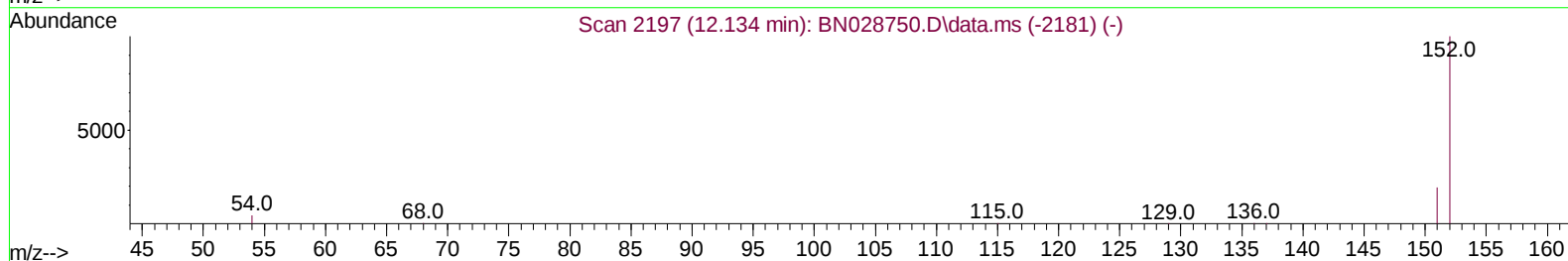
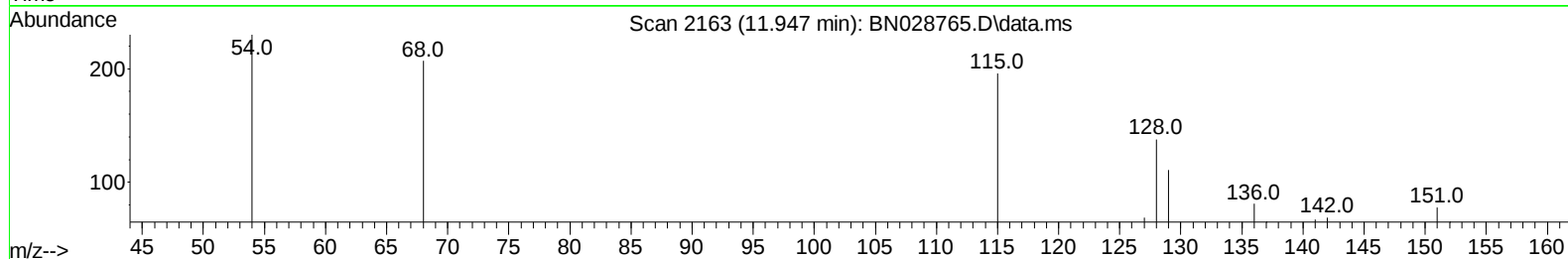
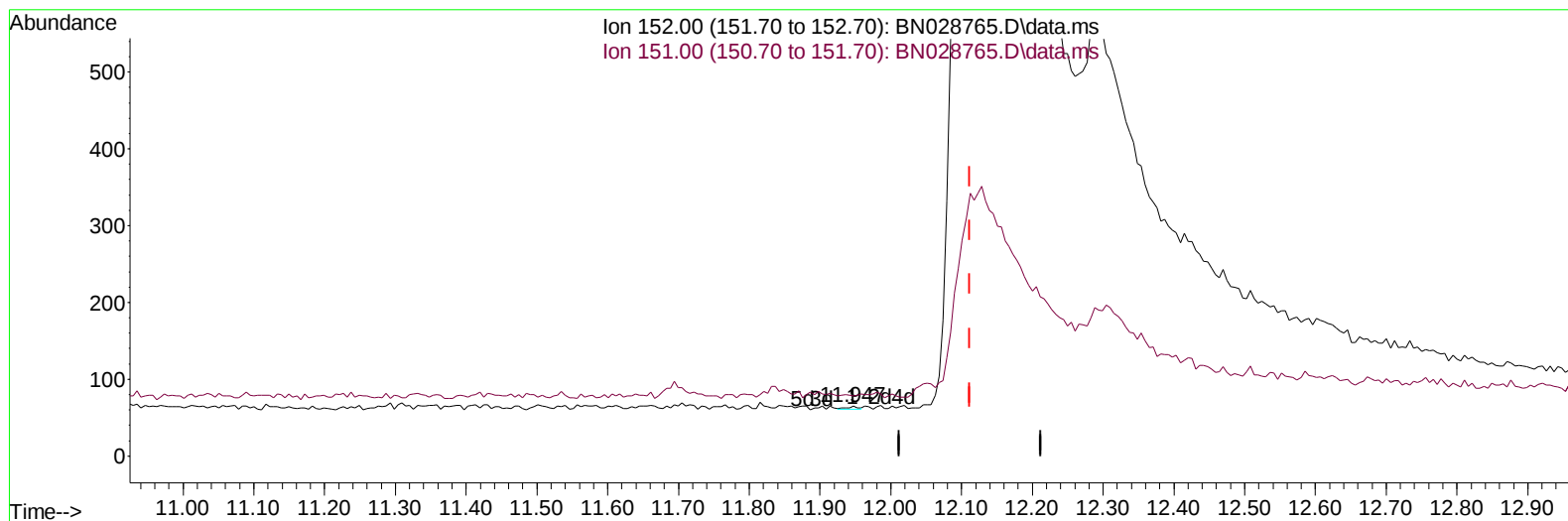
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

11.947min (-0.165) 0.00 ng/u1

response

5

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	60.00#
0.00	0.00	0.00
0.00	0.00	0.00

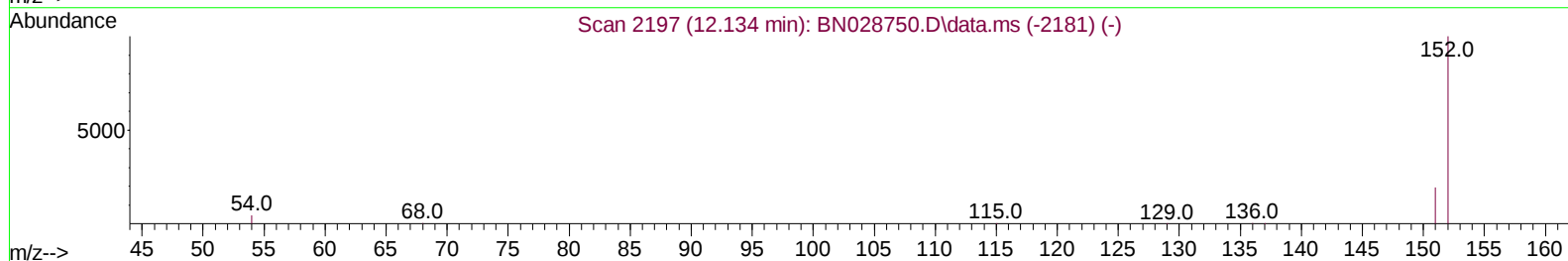
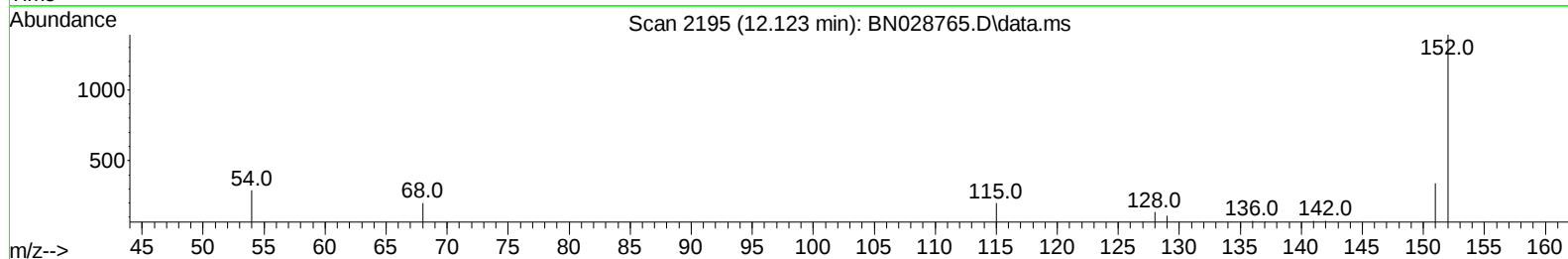
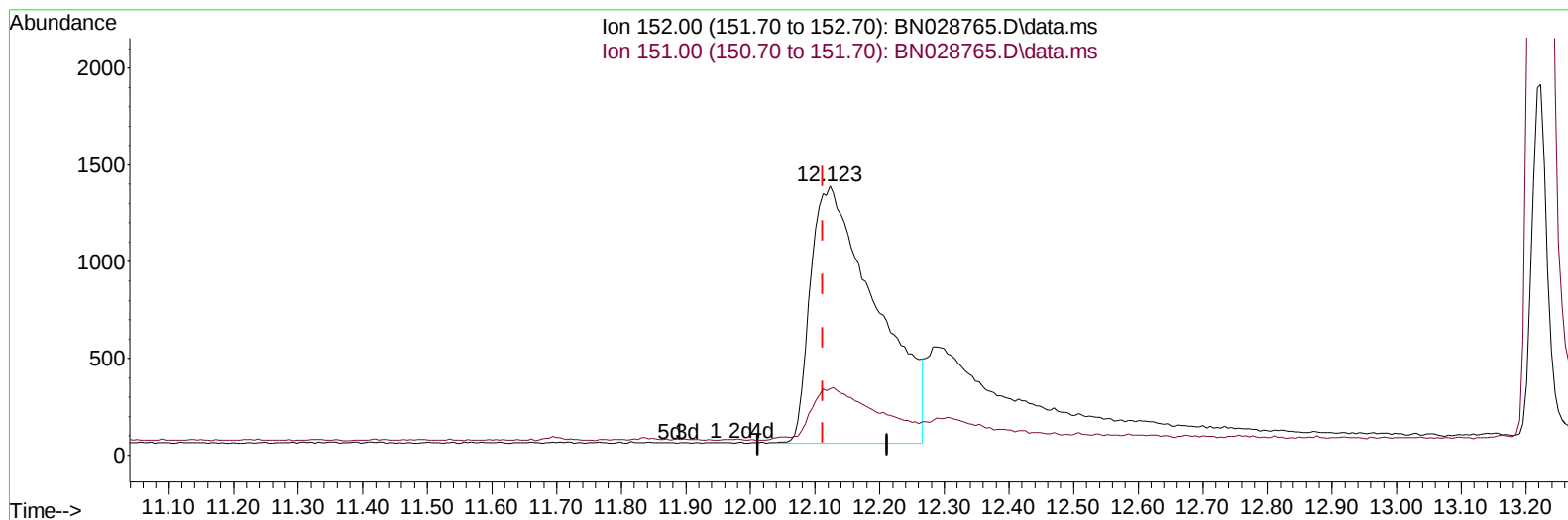
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.123min (+ 0.011) 0.27 ng/ul m

response 9416

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	0.03#
0.00	0.00	0.00
0.00	0.00	0.00

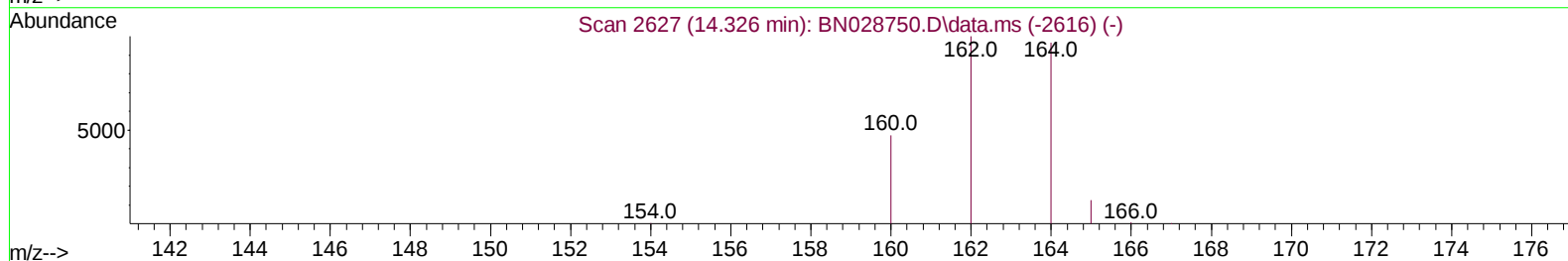
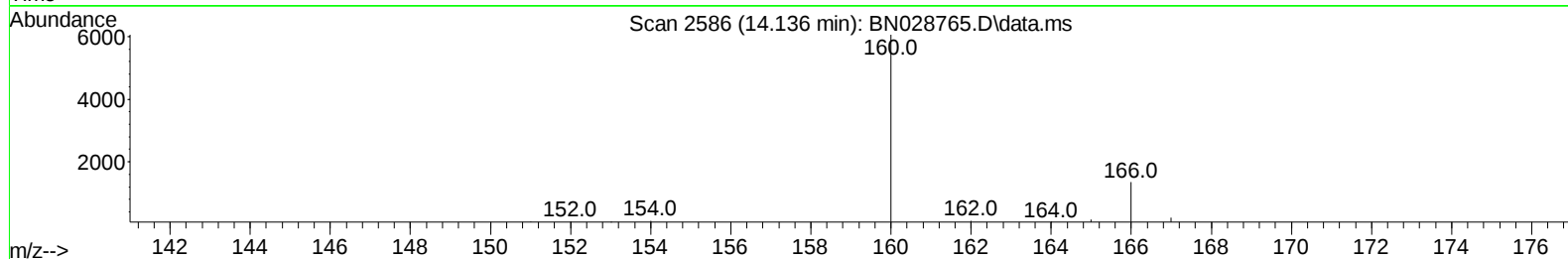
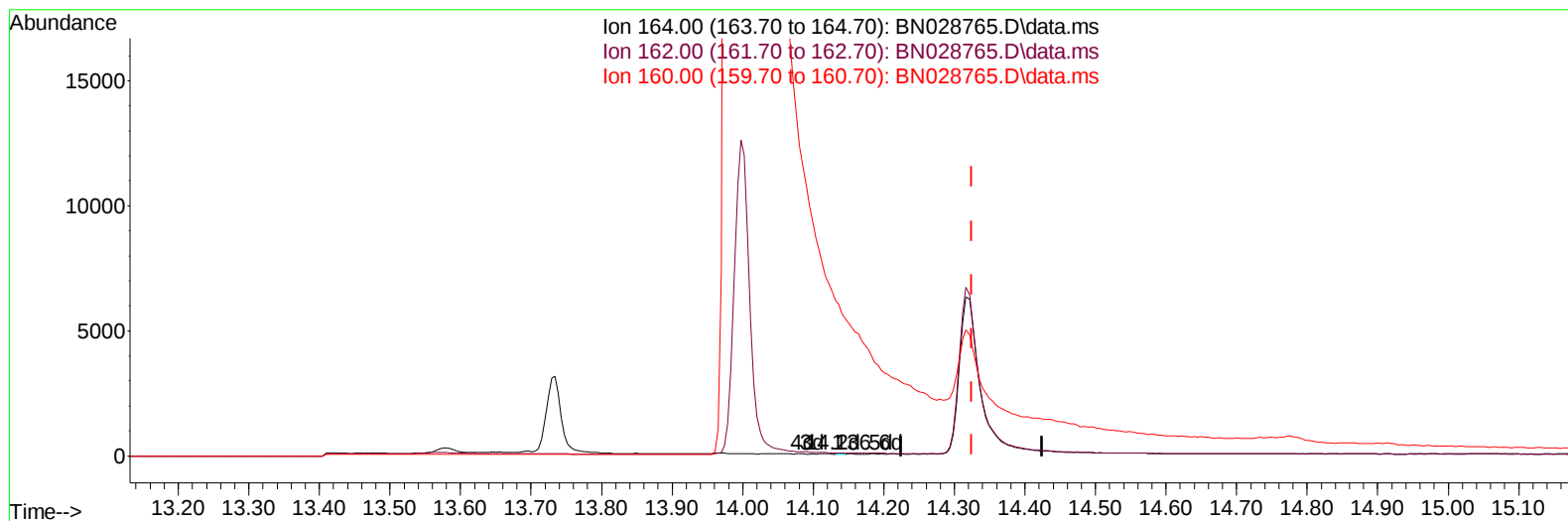
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(9) Acenaphthene-d10 (I)

14.136min (-0.189) 0.40 ng/u1

response 4

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	142.17#
160.00	49.20	7301.20#
0.00	0.00	0.00

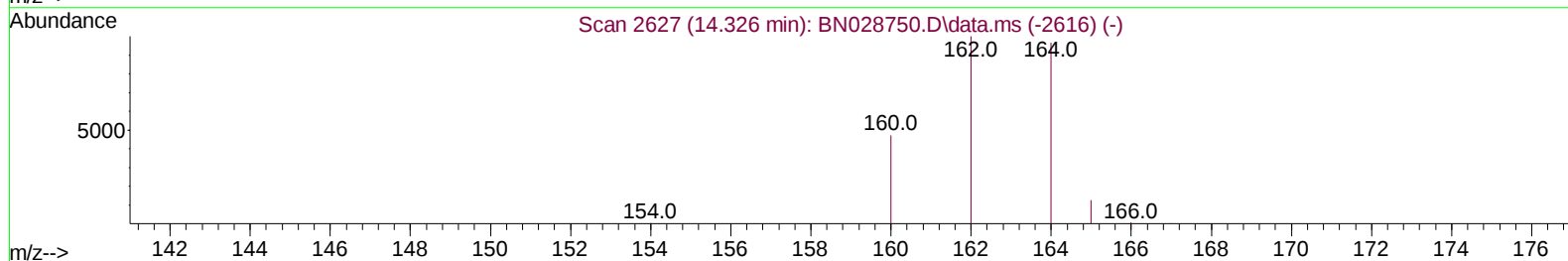
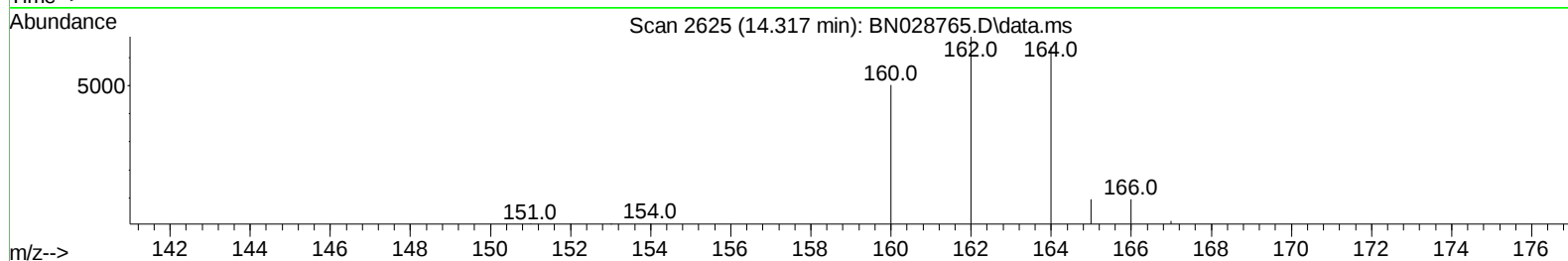
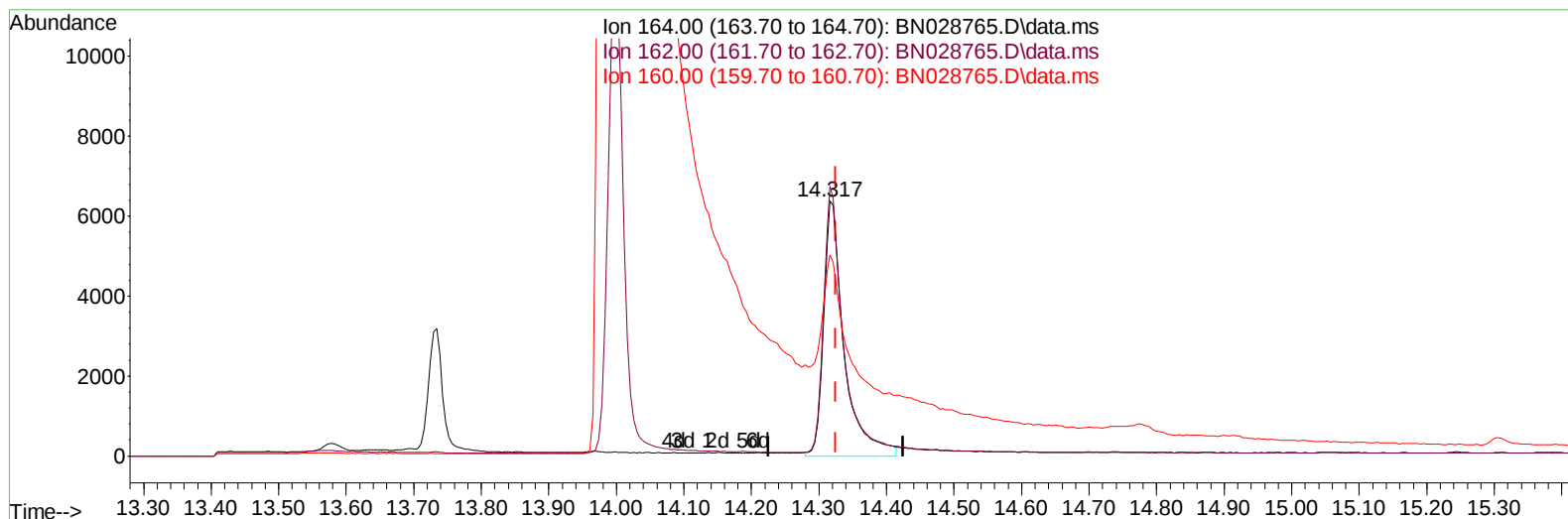
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(9) Acenaphthene-d10 (I)

14.317min (-0.008) 0.40 ng/u1 m

response 13478

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	105.76
160.00	49.20	78.98#
0.00	0.00	0.00

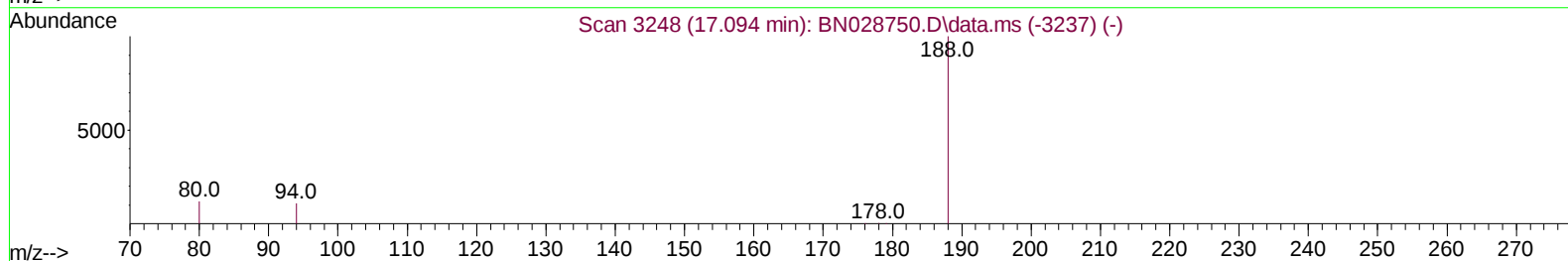
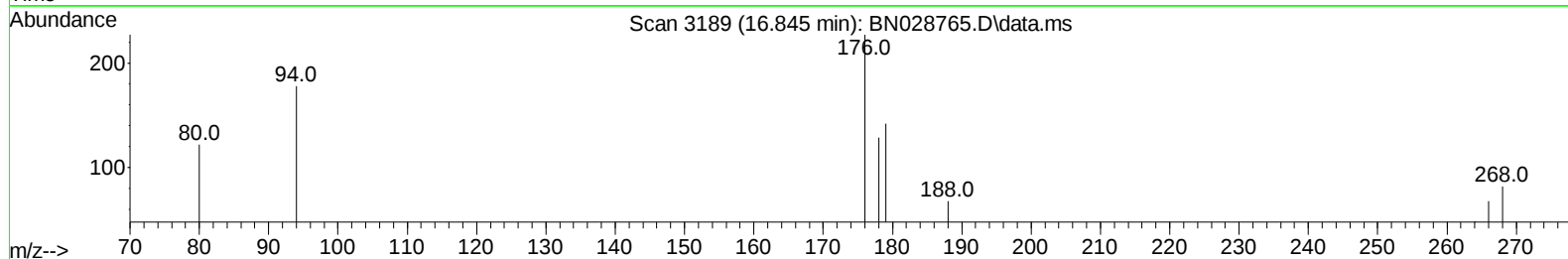
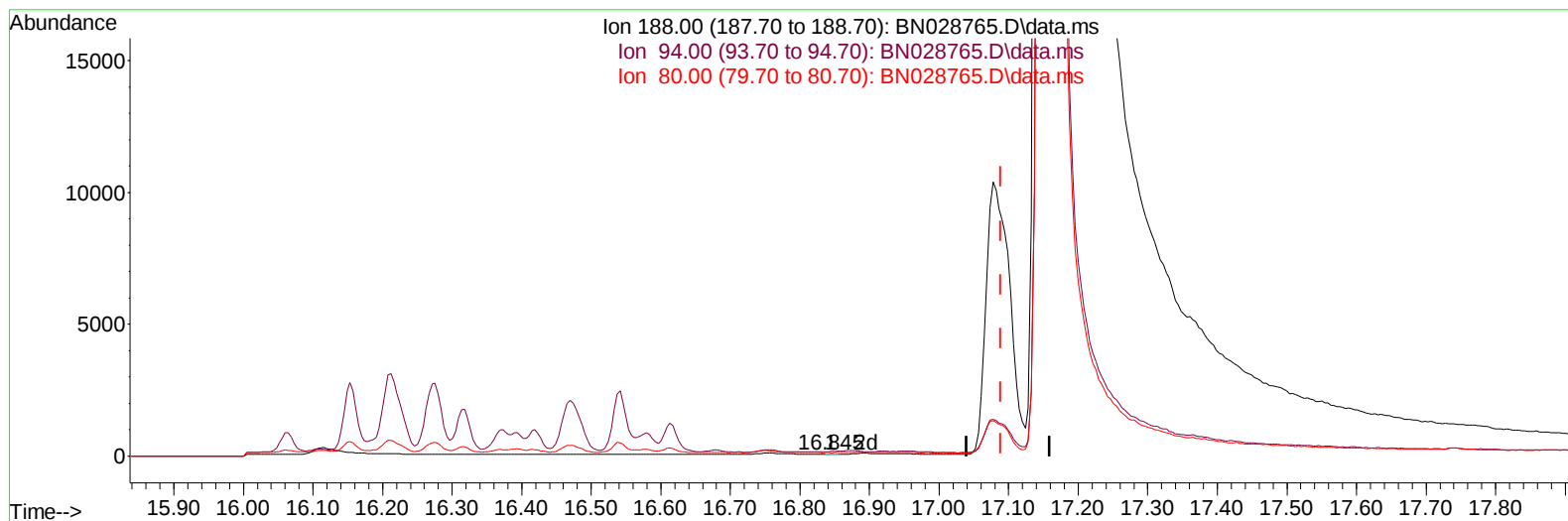
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(13) Phenanthrene-d10 (I)

16.845min (-0.244) 0.40 ng/u1

response 3

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	261.76#
80.00	10.90	179.41#
0.00	0.00	0.00

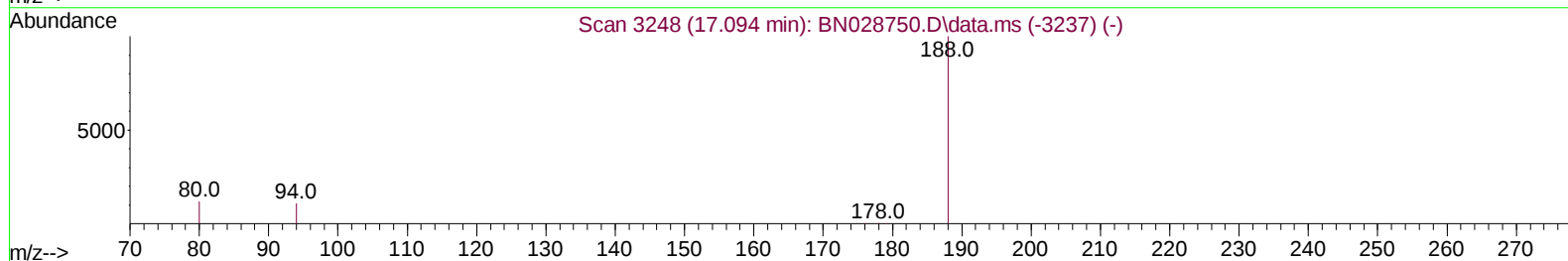
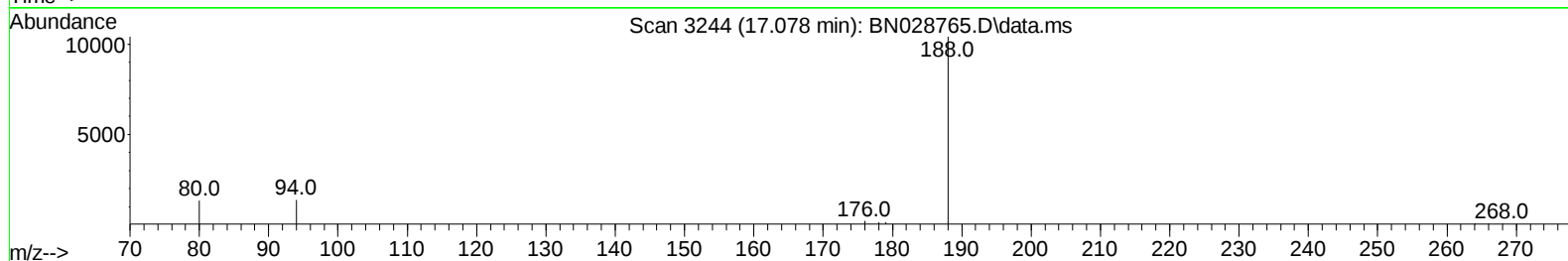
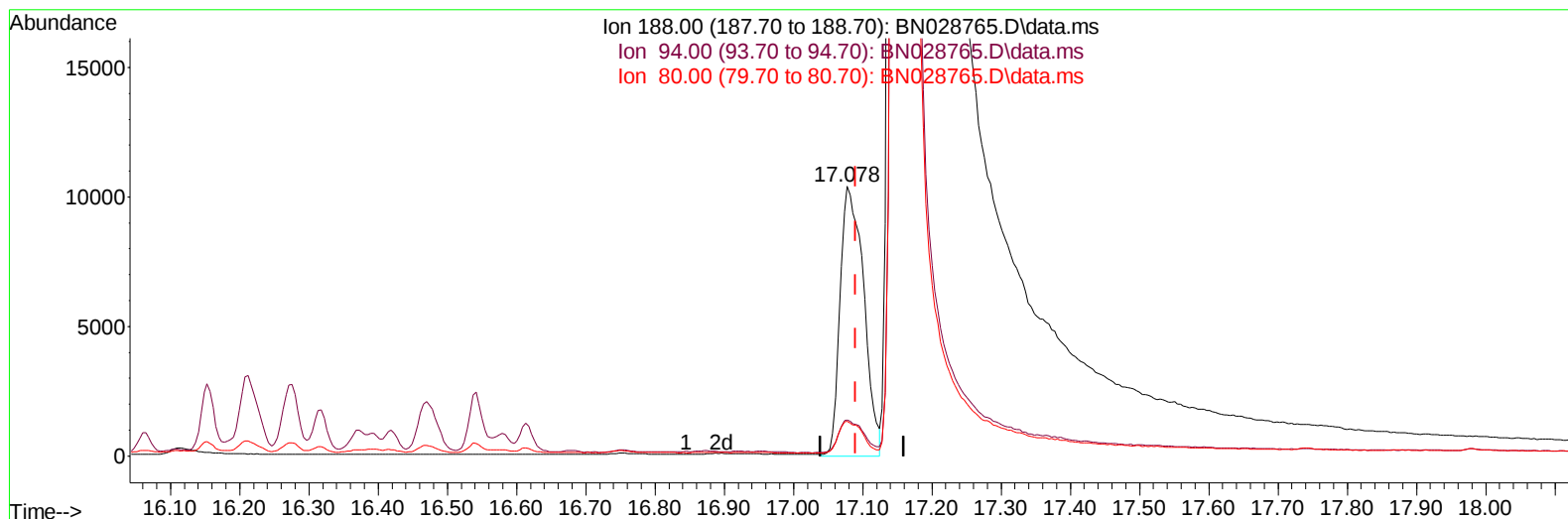
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(13) Phenanthrene-d10 (I)

17.078min (-0.012) 0.40 ng/u1 m

response 24603

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	13.34#
80.00	10.90	12.95
0.00	0.00	0.00

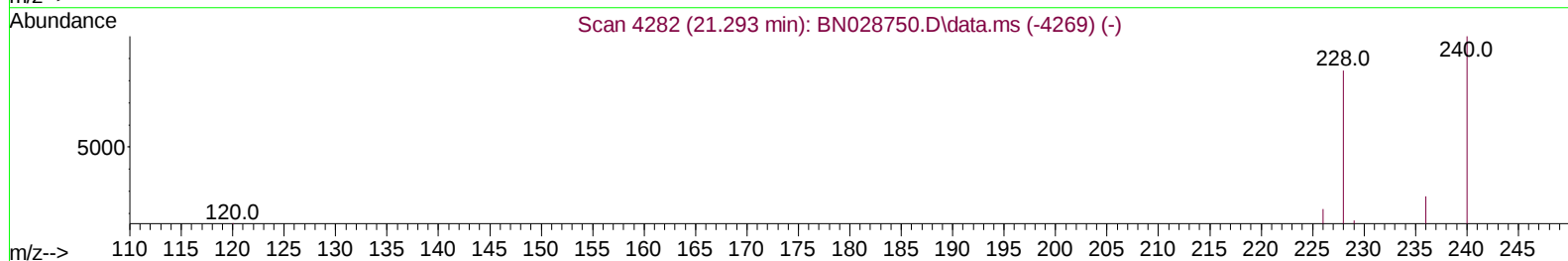
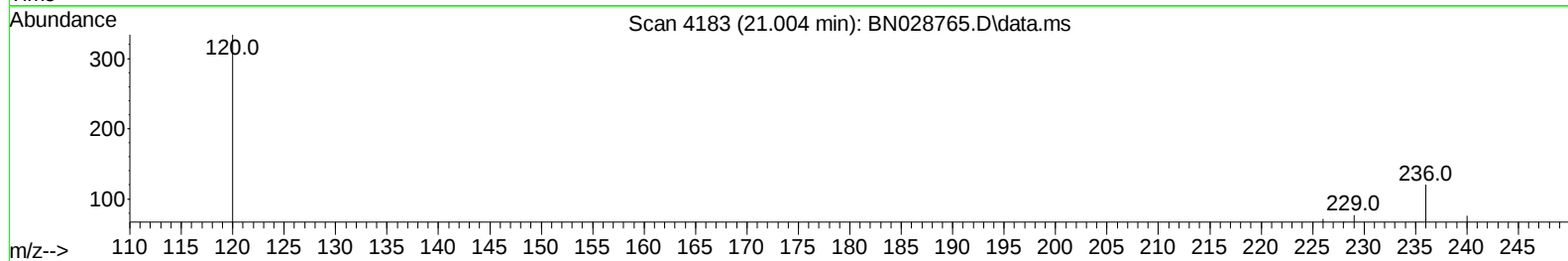
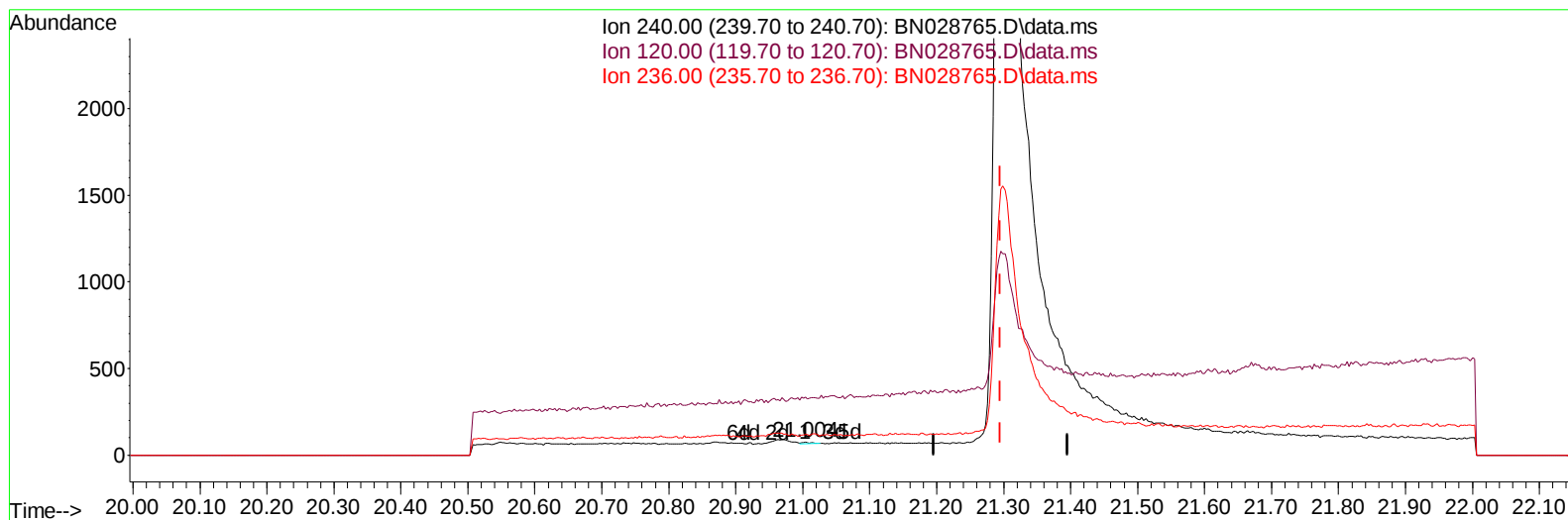
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(17) Chrysene-d12

21.004min (-0.291) 0.40 ng/u1

response 8

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	439.47#
236.00	28.00	157.89#
0.00	0.00	0.00

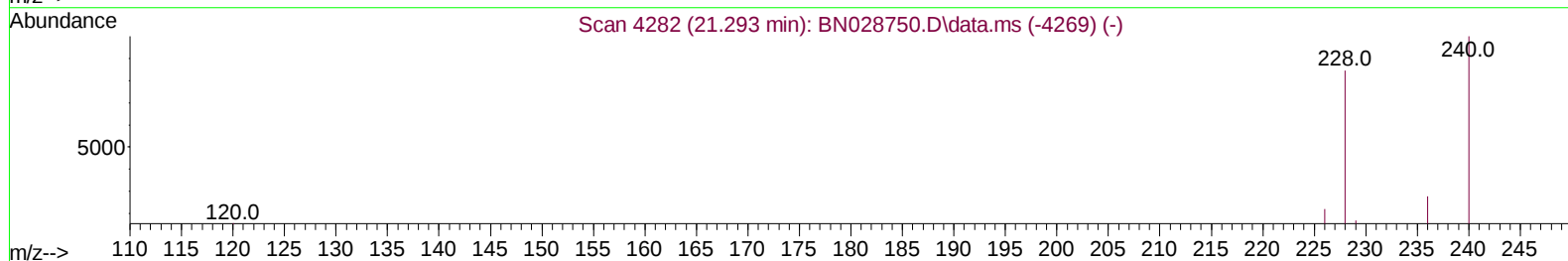
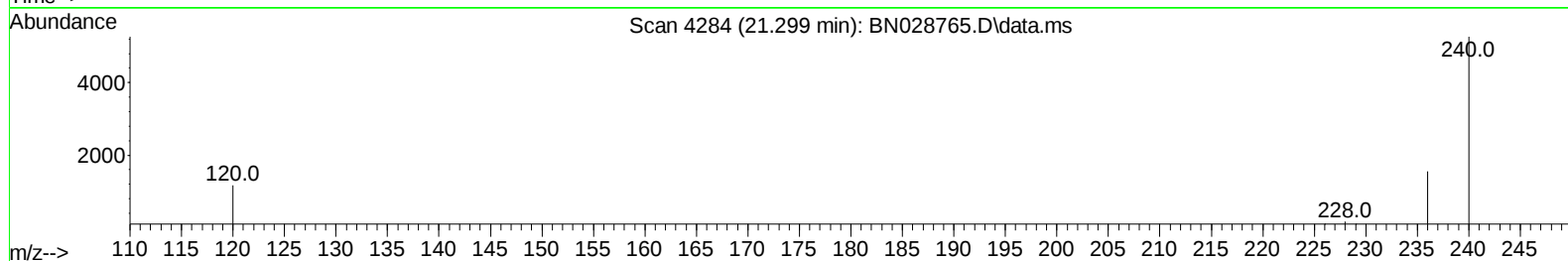
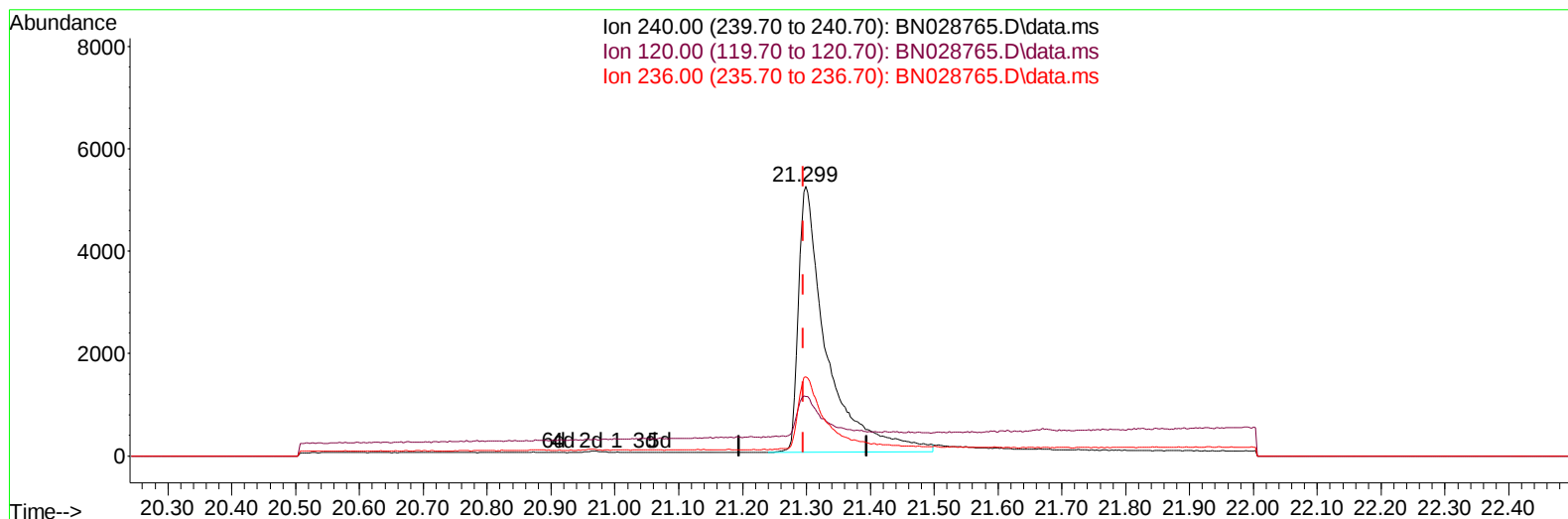
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(17) Chrysene-d12

21.299min (+ 0.004) 0.40 ng/ul m

response 15868

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	22.07#
236.00	28.00	29.48
0.00	0.00	0.00

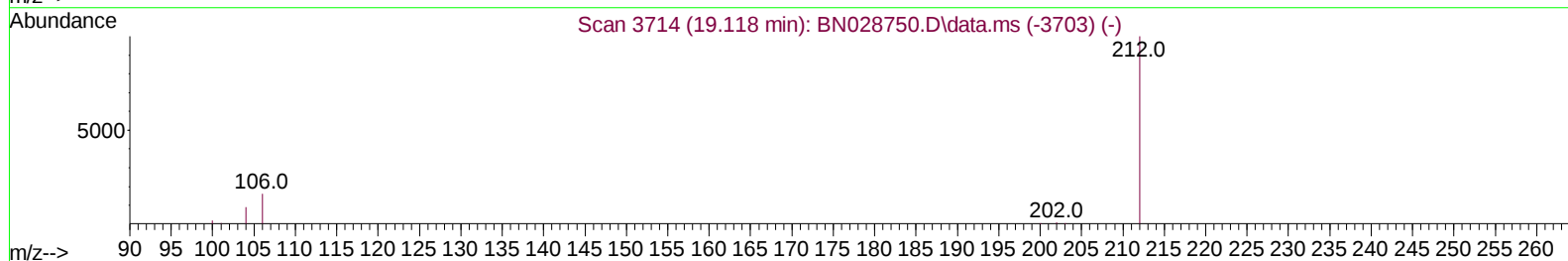
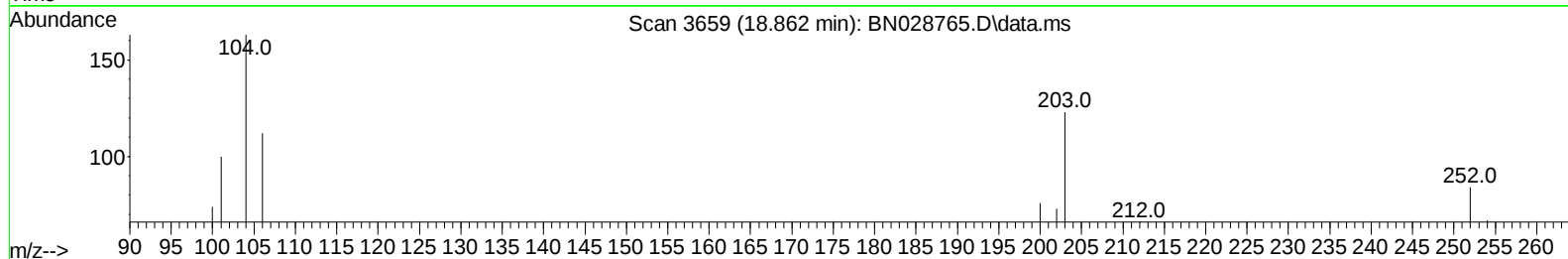
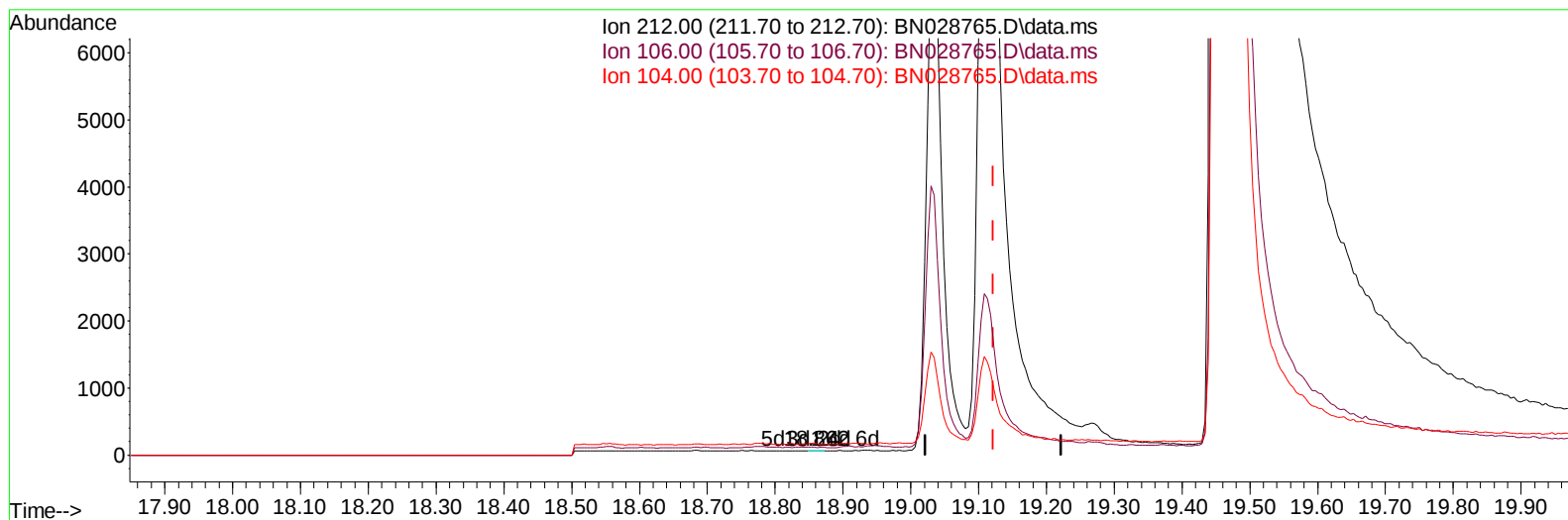
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.862min (-0.259) 0.00 ng/u1

response 3

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	533.33#
104.00	8.30	666.67#
0.00	0.00	0.00

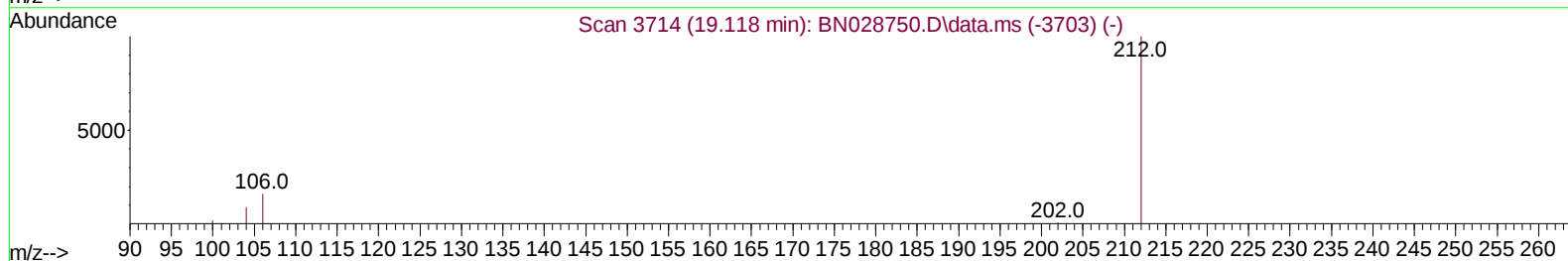
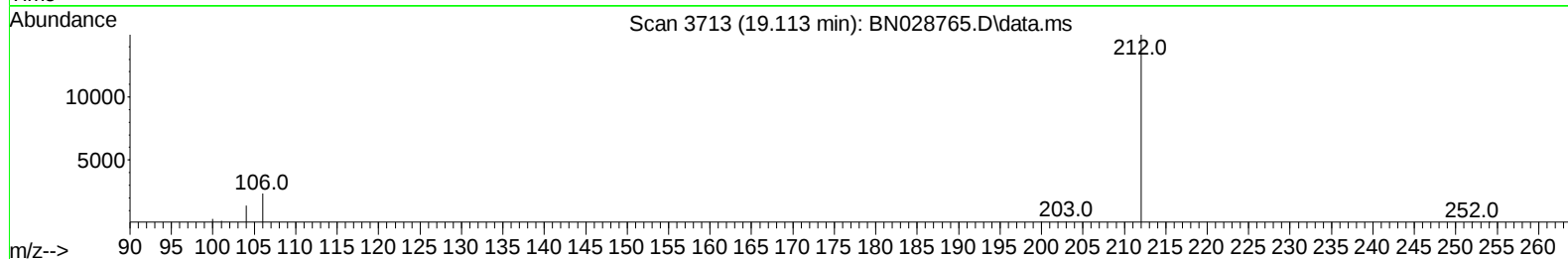
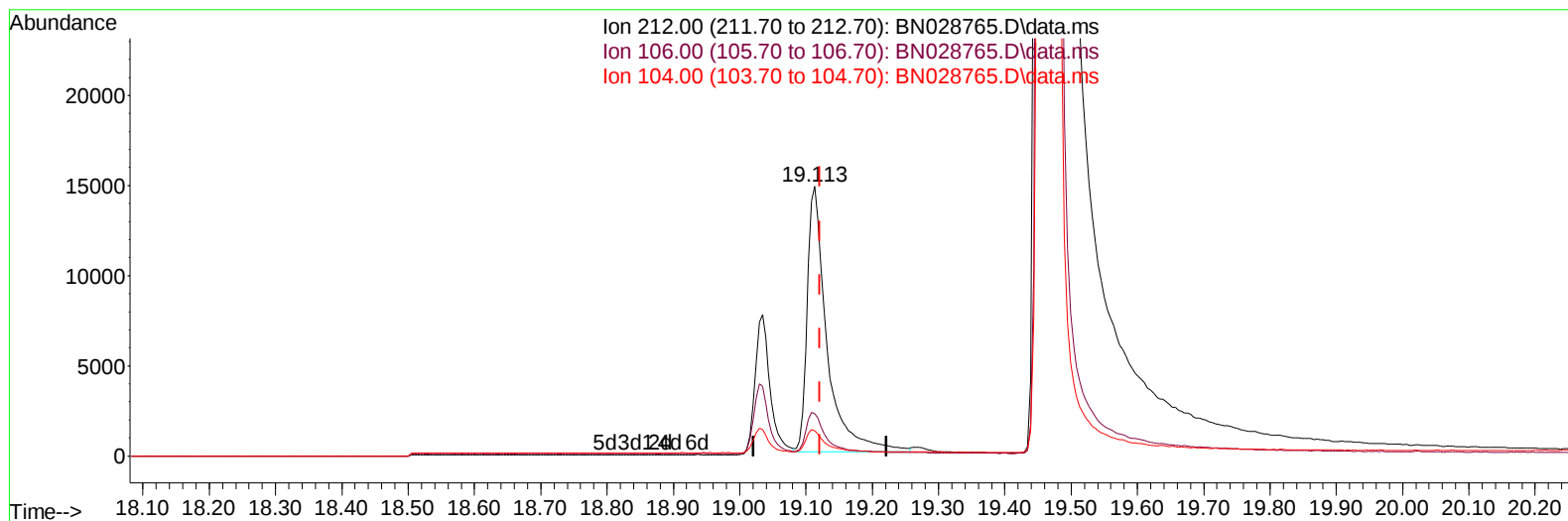
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.113min (-0.009) 0.60 ng/ul m

response 30571

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	0.05#
104.00	8.30	0.07#
0.00	0.00	0.00

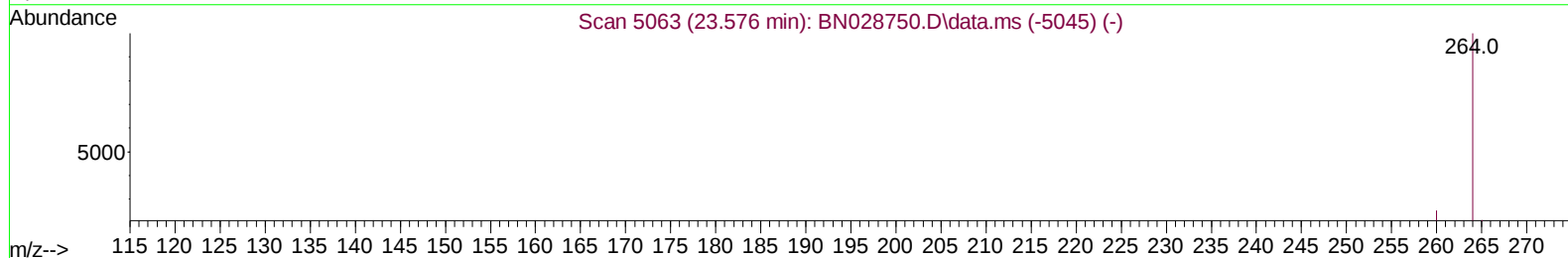
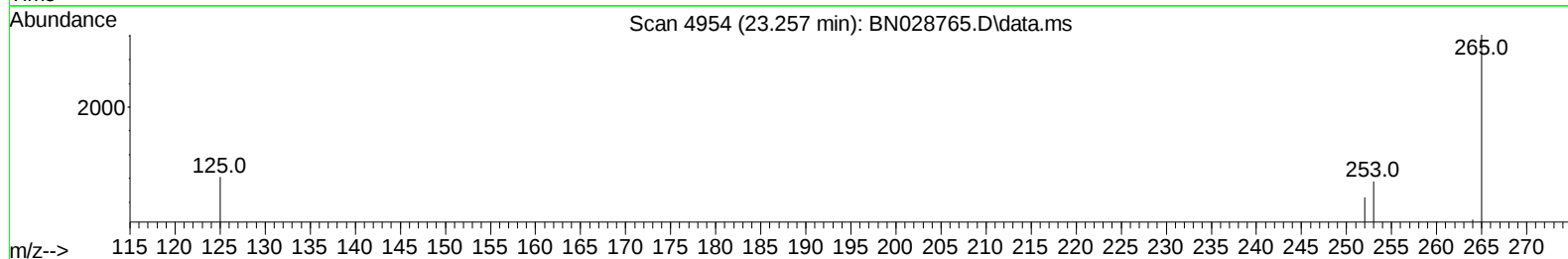
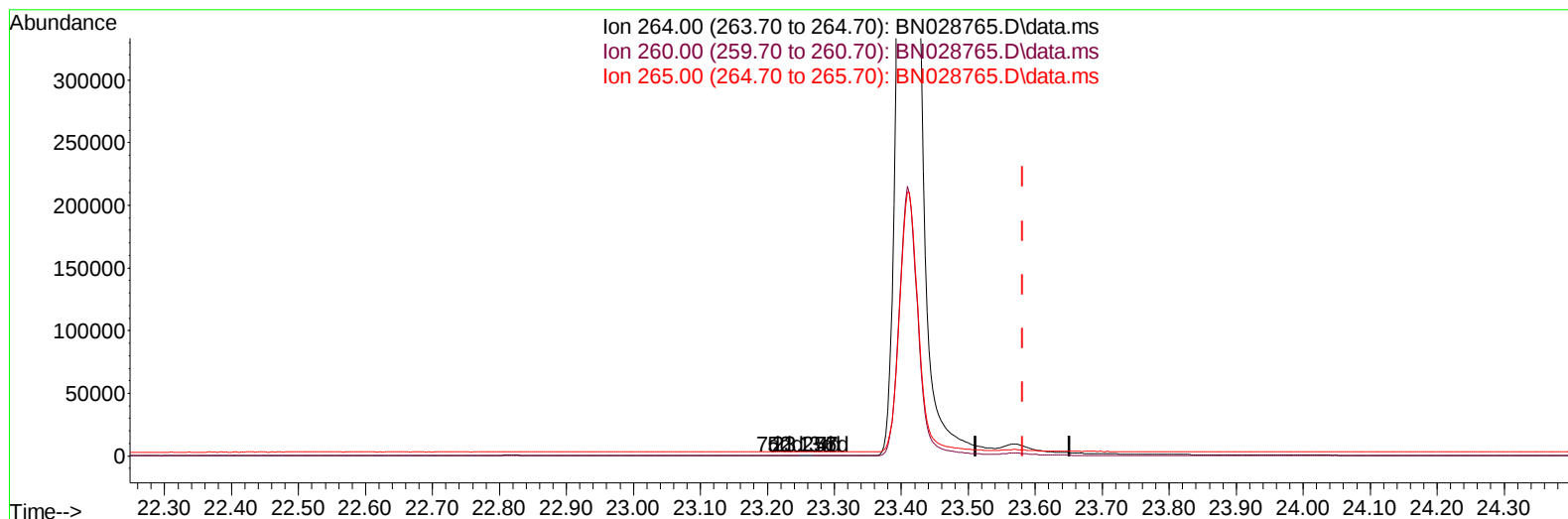
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(23) Perylene-d12 (I)

23.257min (-0.324) 0.40 ng/u1

response 4

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	57.89#
265.00	38.80	2821.93#
0.00	0.00	0.00

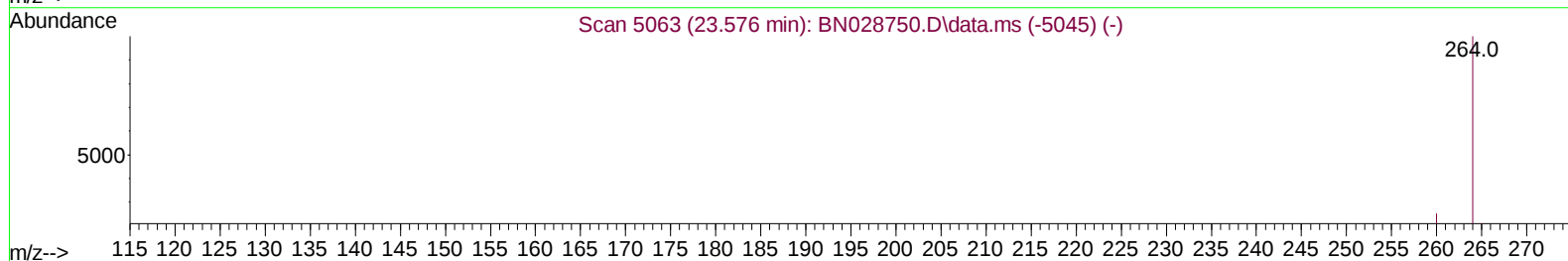
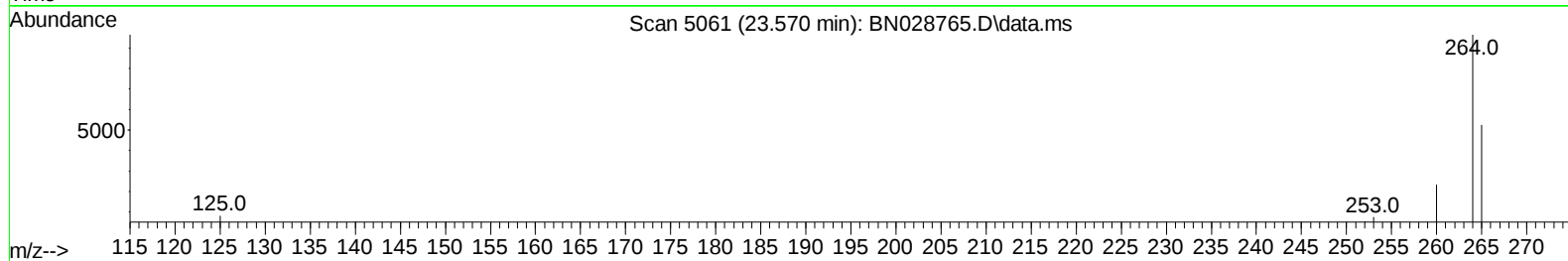
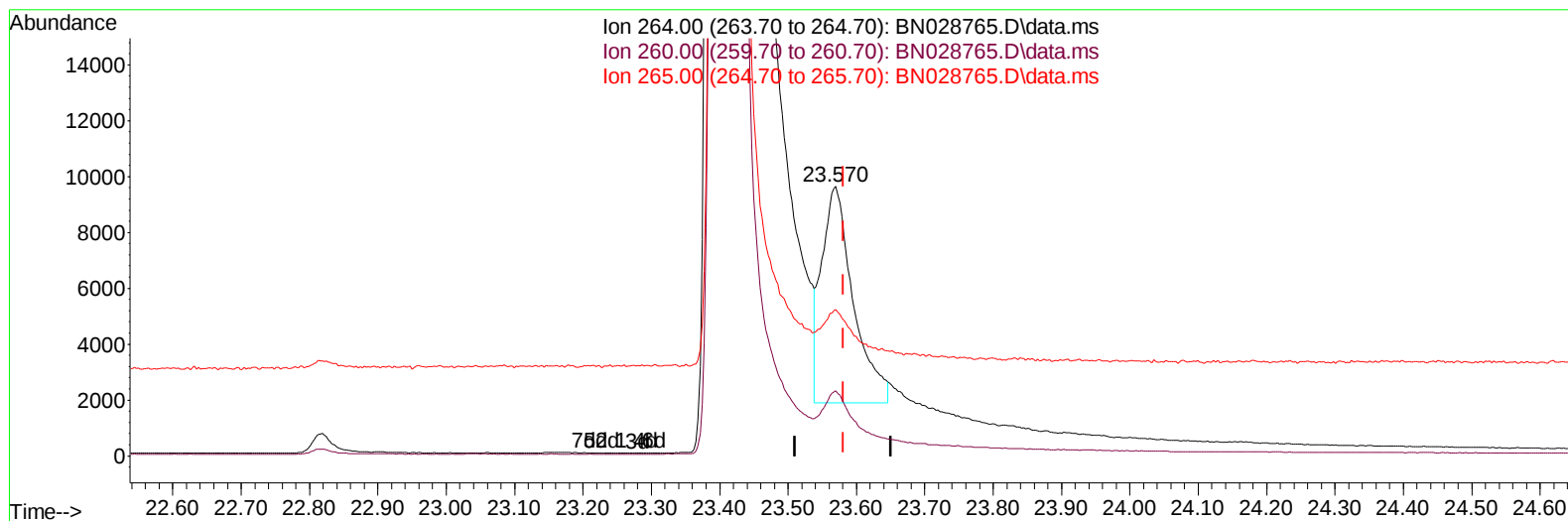
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028765.D\data.ms

(23) Perylene-d12 (I)

23.570min (-0.011) 0.40 ng/ul m

response 24873

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	24.20
265.00	38.80	54.38#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028765.D
 Acq On : 19 Nov 2023 07:28
 Operator : MA/JU
 Sample : 05370-13
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ7

Manual IntegrationsAPPROVED

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

Quant Time: Nov 20 01:09:05 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

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.727	152		5813m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.473	136		22970m	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.317	164		13478m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.078	188		24603m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.299	240		15868m	0.400	ng/ul	0.00
23) Perylene-d12	23.570	264		24873m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.112	96		39957	6.219	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.123	152		9416m	0.272	ng/ul	0.01
18) Fluoranthene-d10	19.113	212		30571m	0.599	ng/ul	0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.154	88		680	0.096	ng/ul#	62

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028765.D
Acq On : 19 Nov 2023 07:28
Operator : MA/JU
Sample : 05370-13
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ7

Manual IntegrationsAPPROVED

Quant Time: Nov 20 01:09:05 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023

