

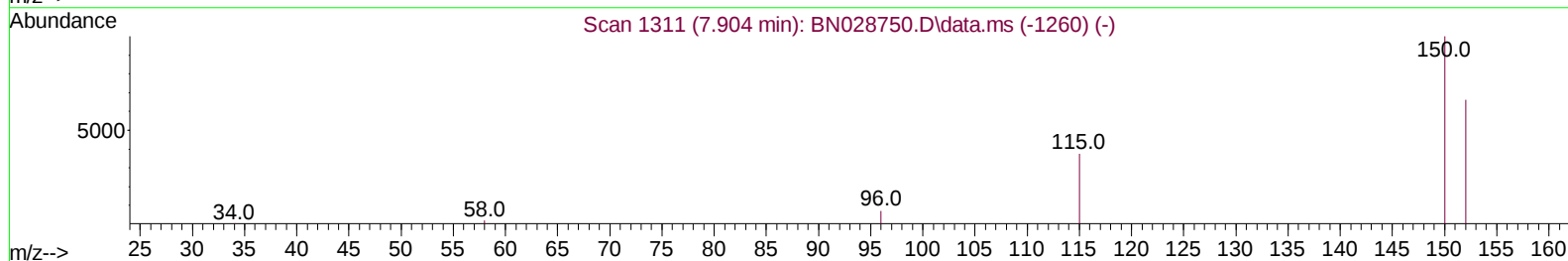
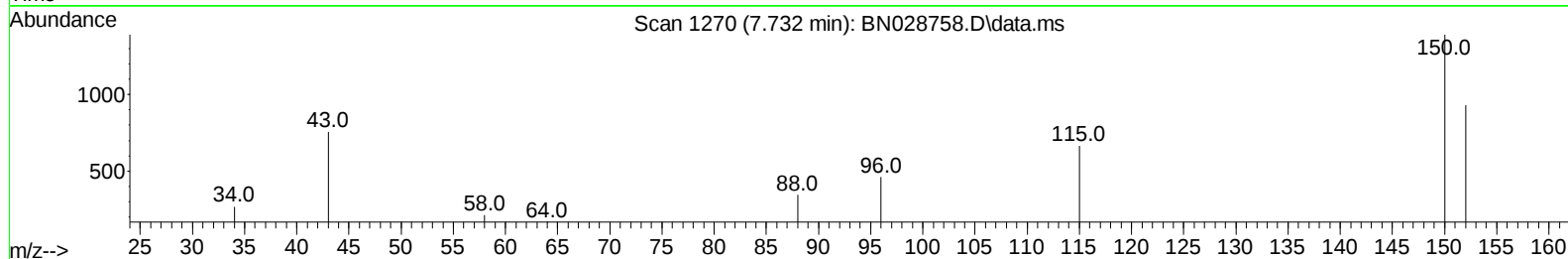
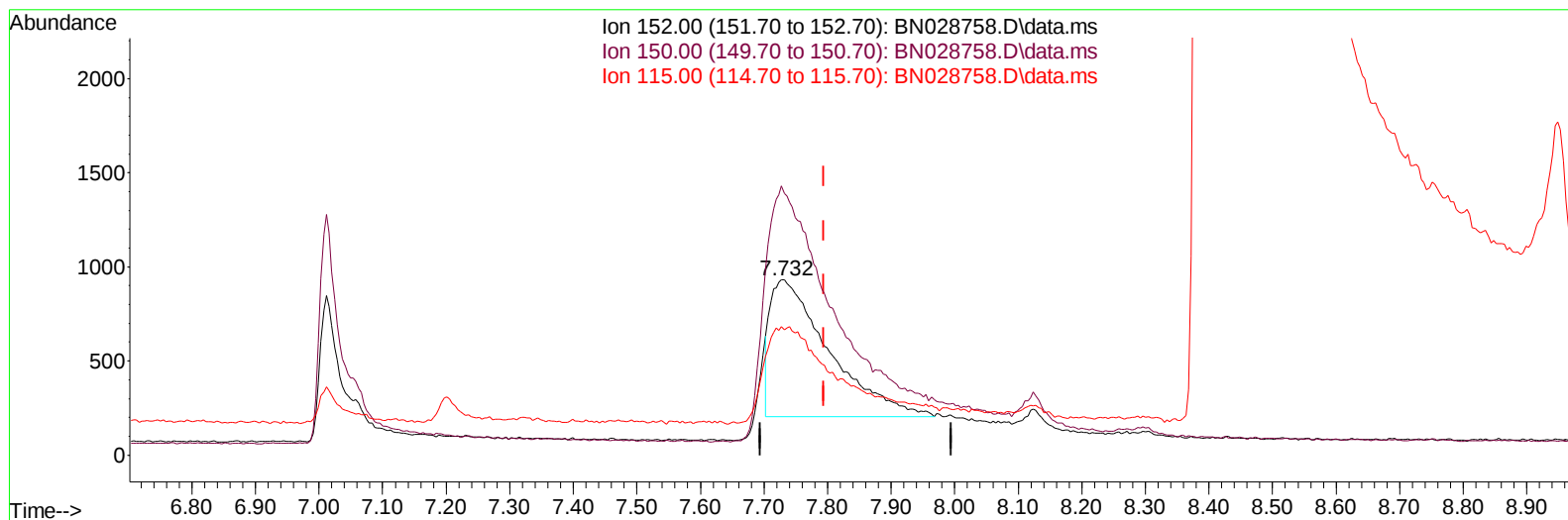
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028758.D
Acq On : 19 Nov 2023 03:17
Operator : MA/JU
Sample : 05369-20
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

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

7.732min (-0.063) 0.40 ng/u1

response 4650

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	149.30
115.00	62.20	71.54
0.00	0.00	0.00

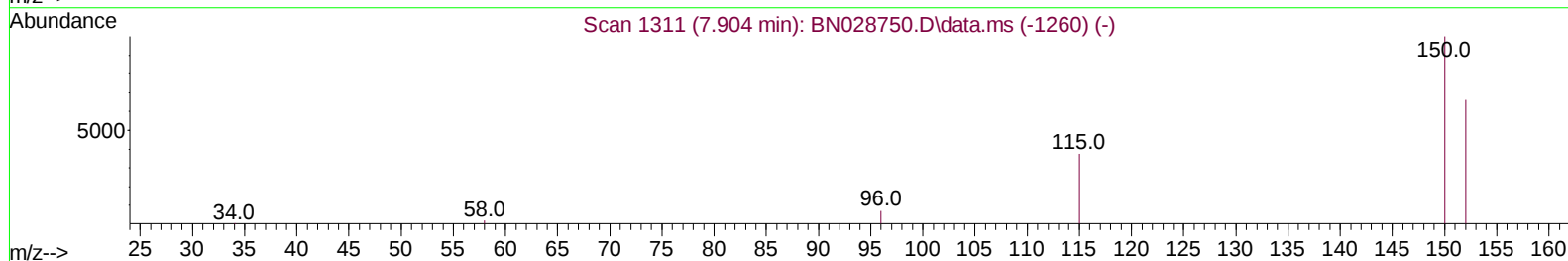
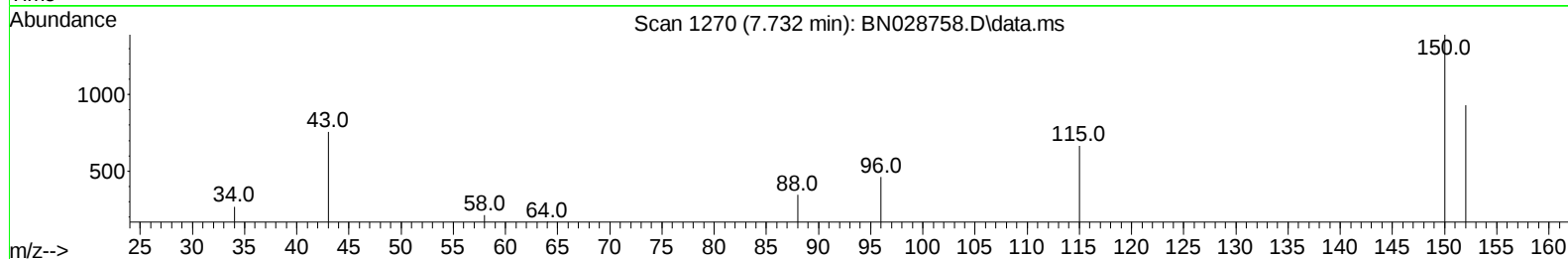
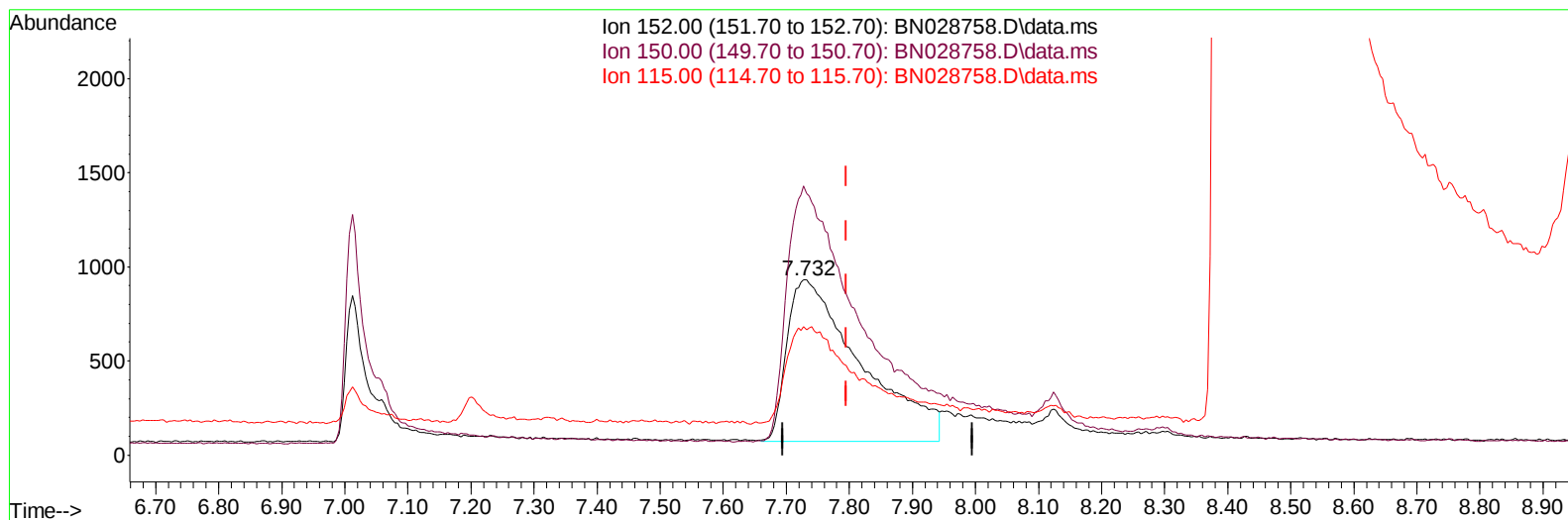
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028758.D
Acq On : 19 Nov 2023 03:17
Operator : MA/JU
Sample : 05369-20
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

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

7.732min (-0.063) 0.40 ng/ul m

response 7007

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	149.30
115.00	62.20	71.54
0.00	0.00	0.00

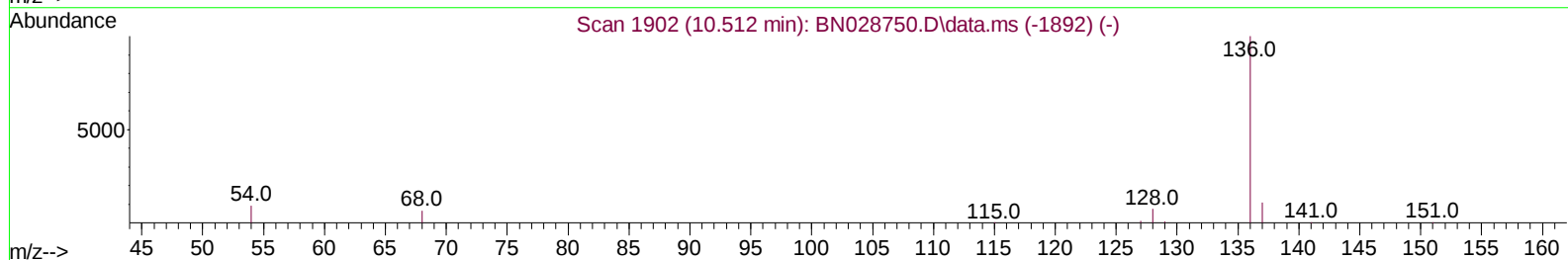
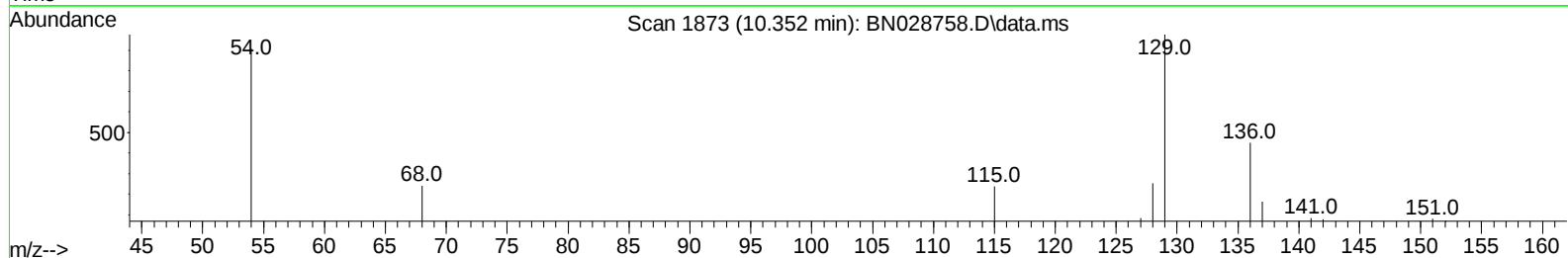
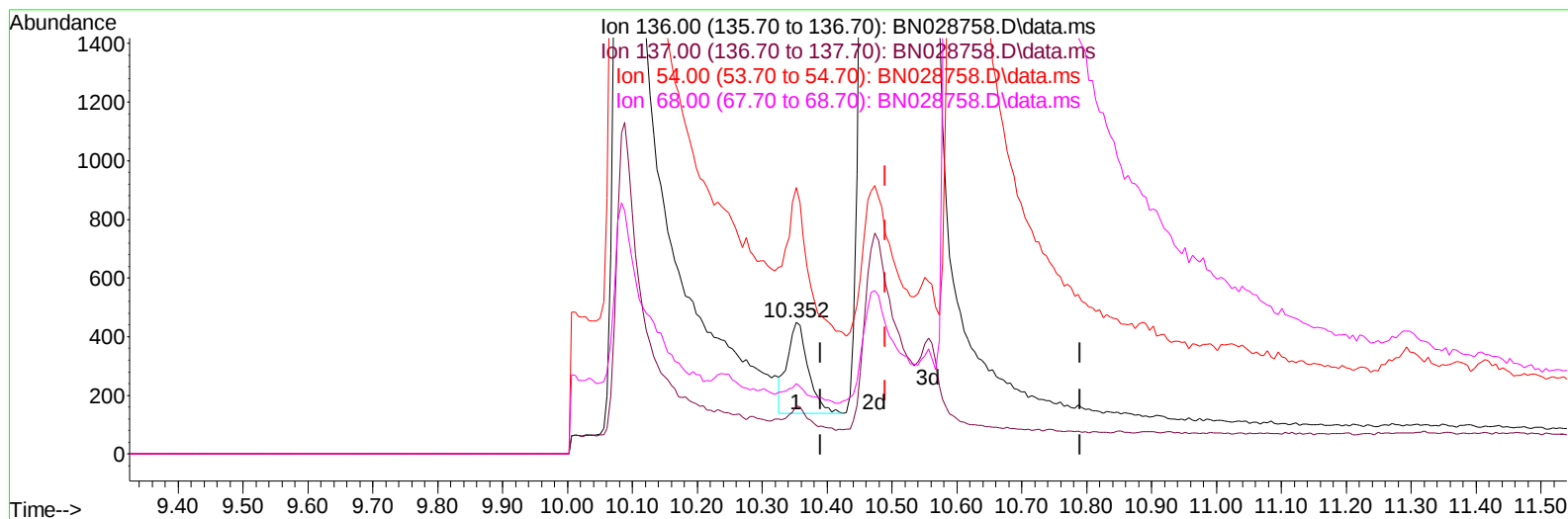
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028758.D
Acq On : 19 Nov 2023 03:17
Operator : MA/JU
Sample : 05369-20
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(4) Naphthalene-d8 (I)

10.352min (-0.137) 0.40 ng/u1

response 703

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	36.75#
54.00	9.00	202.23#
68.00	7.10	53.45#

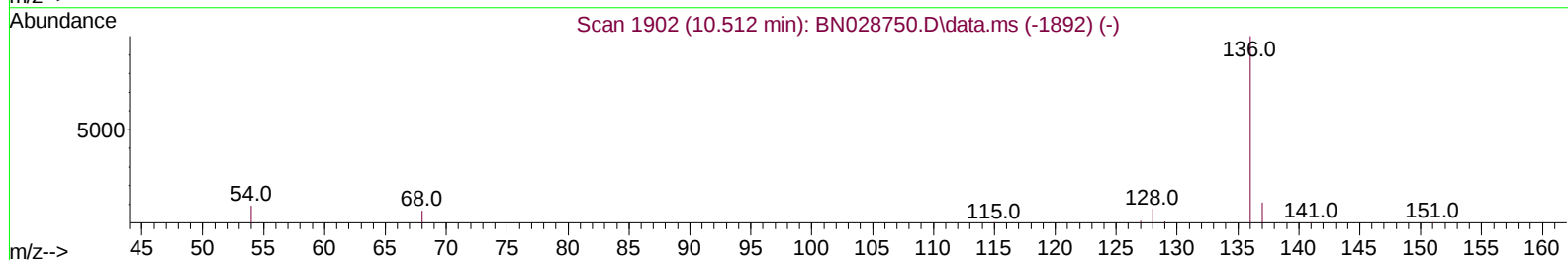
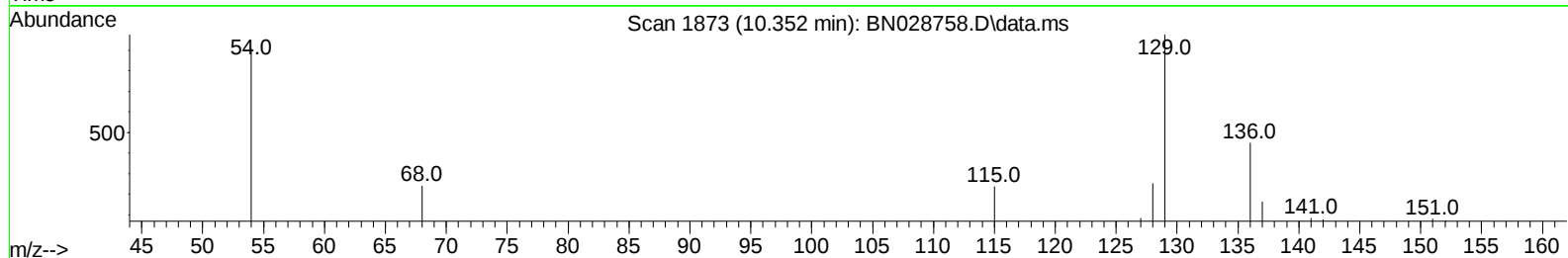
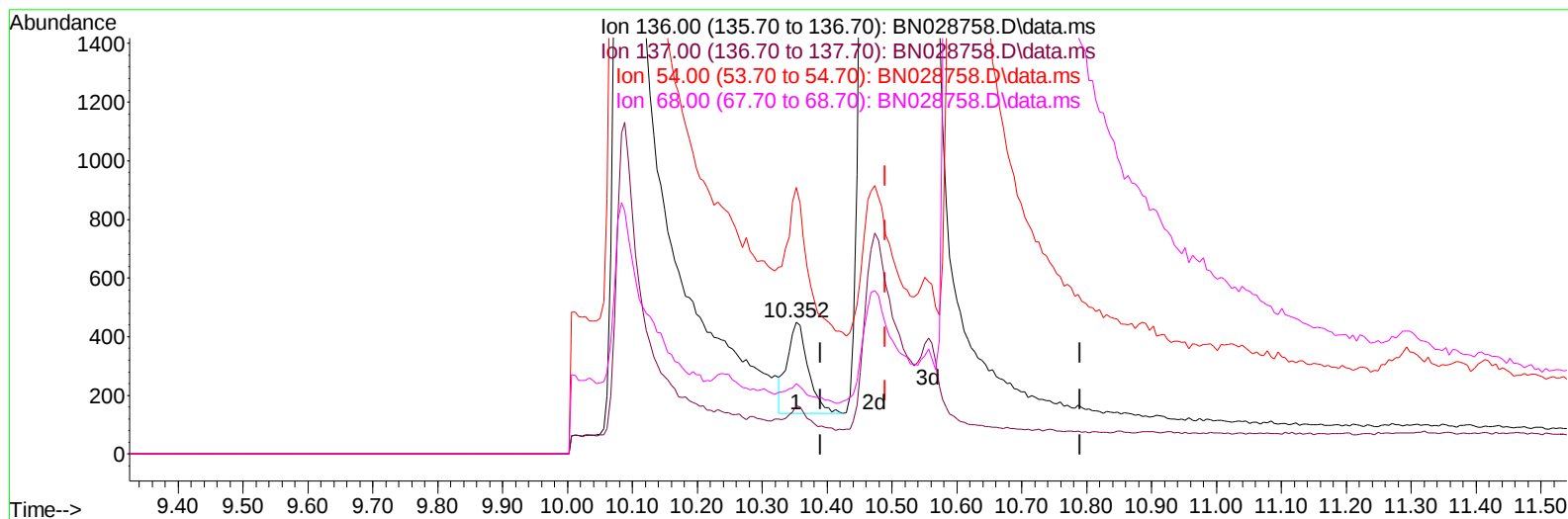
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028758.D
Acq On : 19 Nov 2023 03:17
Operator : MA/JU
Sample : 05369-20
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(4) Naphthalene-d8 (I)

10.352min (-0.137) 0.40 ng/u1

response 703

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	36.75#
54.00	9.00	202.23#
68.00	7.10	53.45#

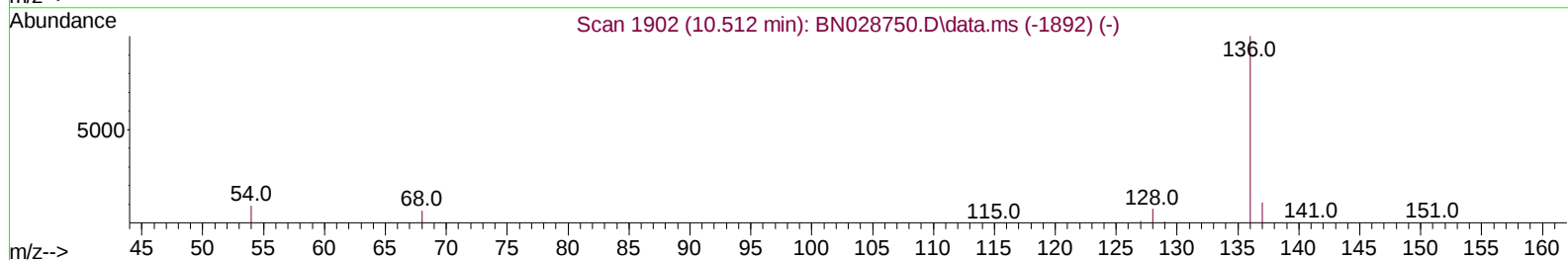
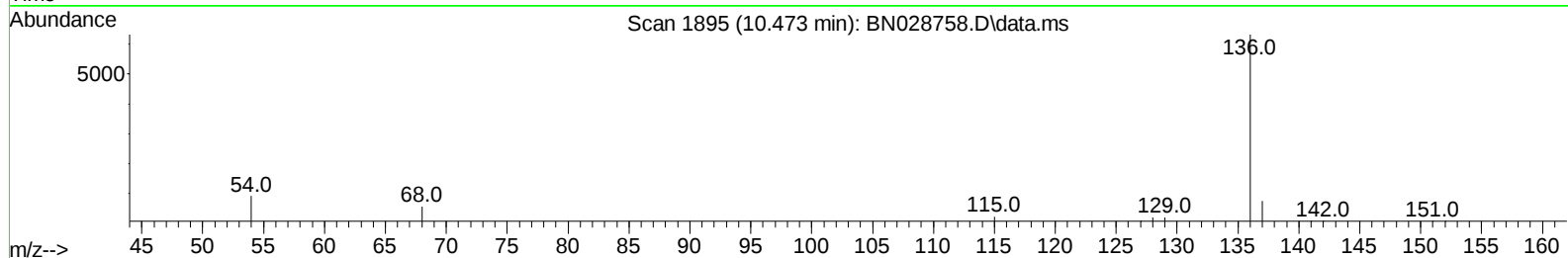
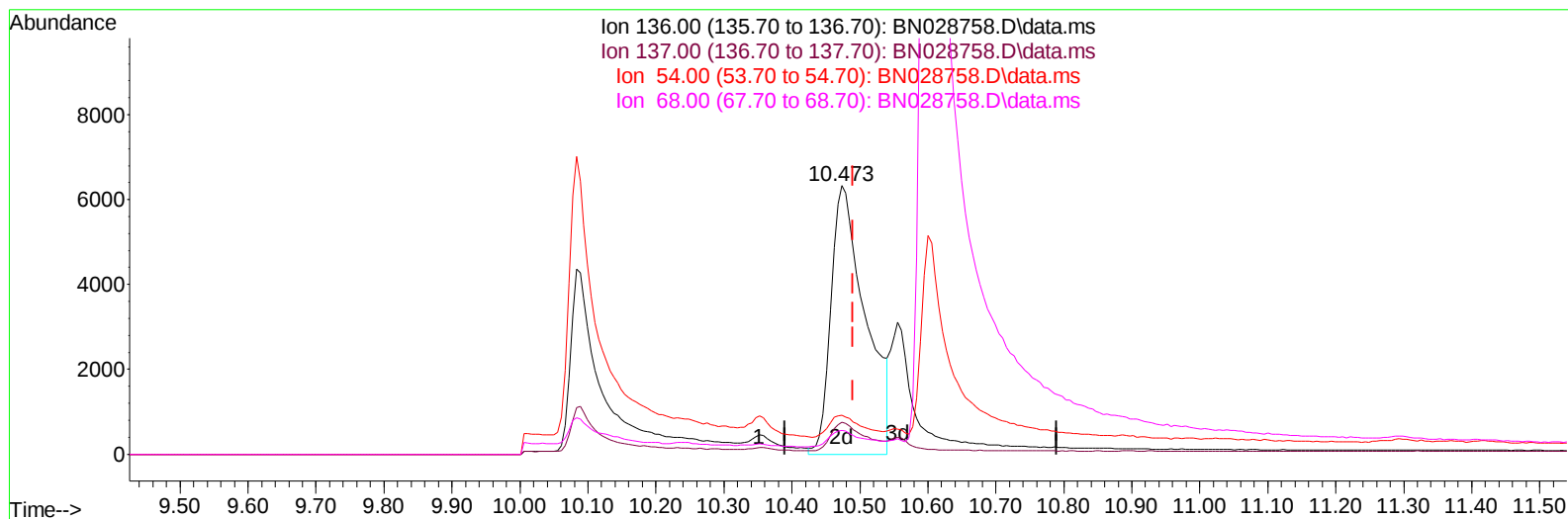
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(4) Naphthalene-d8 (I)

10.473min (-0.016) 0.40 ng/ul m

response 22133

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	11.91
54.00	9.00	14.47#
68.00	7.10	8.82#

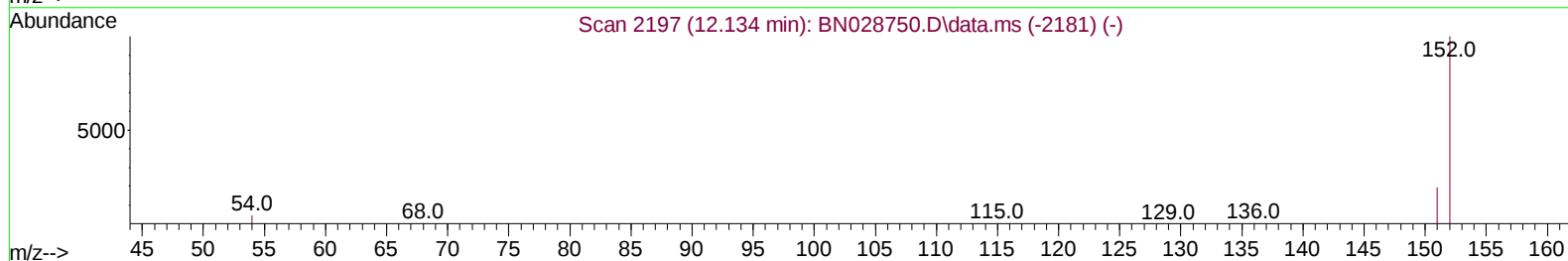
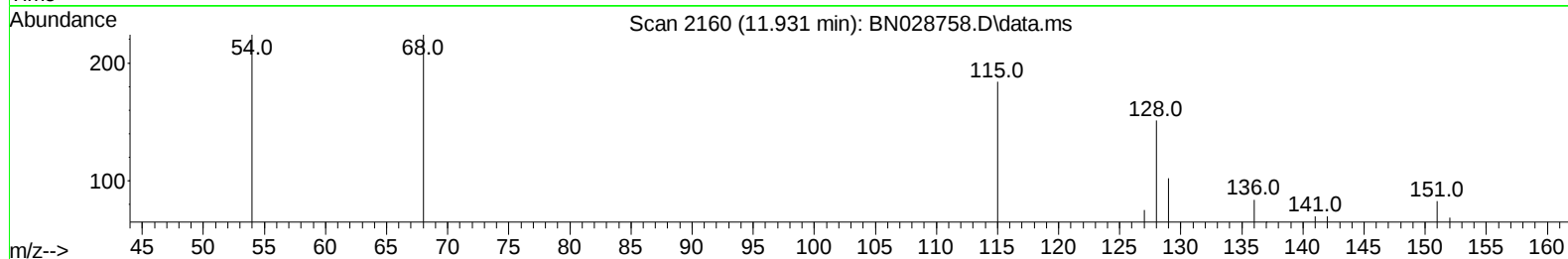
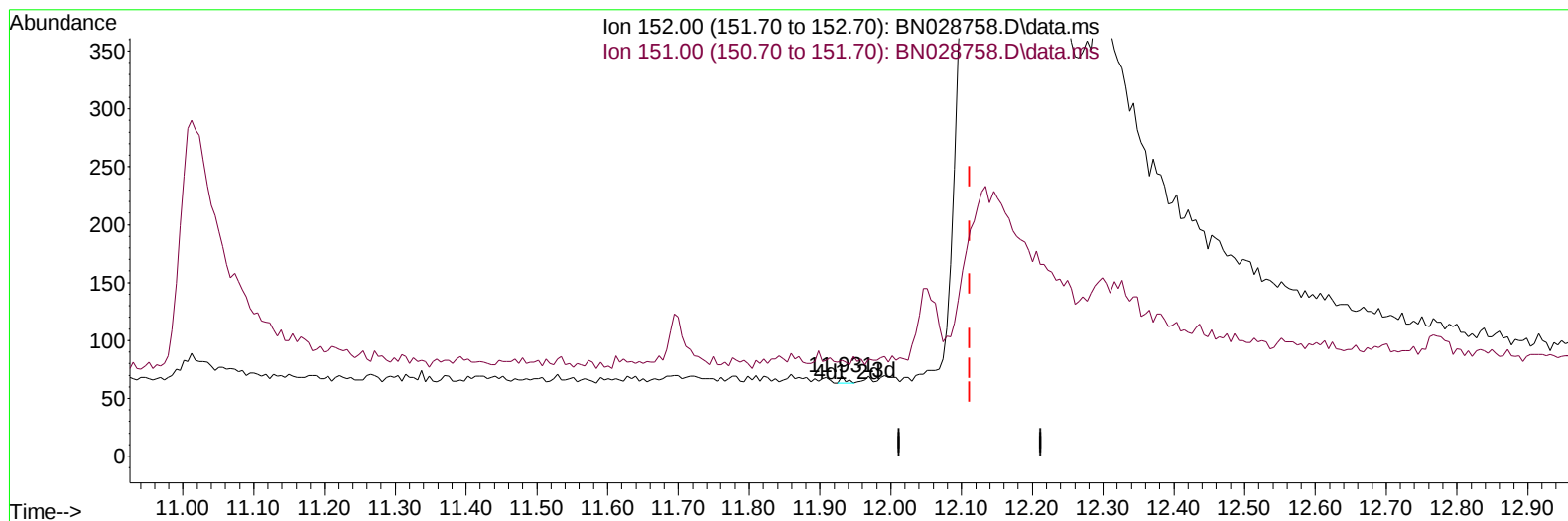
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

11.931min (-0.181) 0.00 ng/u1

response 3

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	166.67#
0.00	0.00	0.00
0.00	0.00	0.00

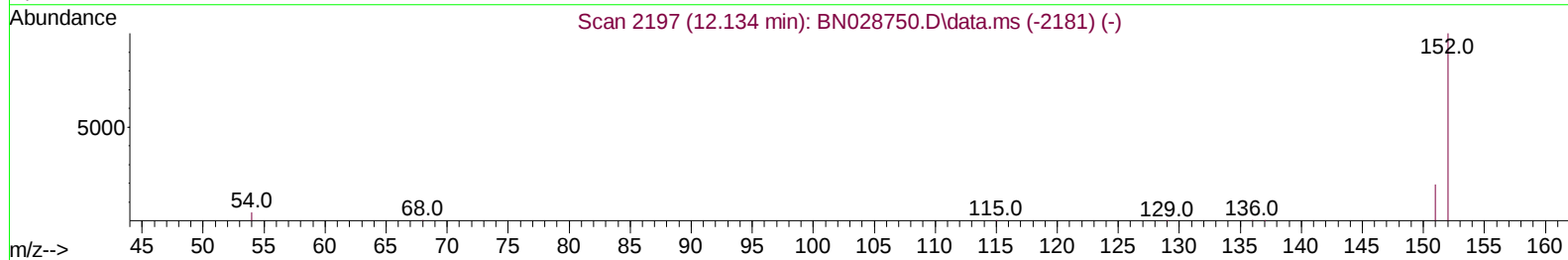
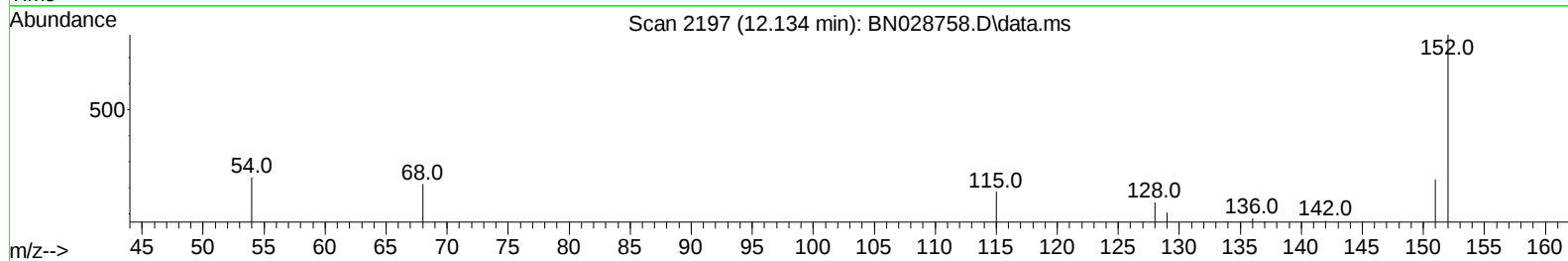
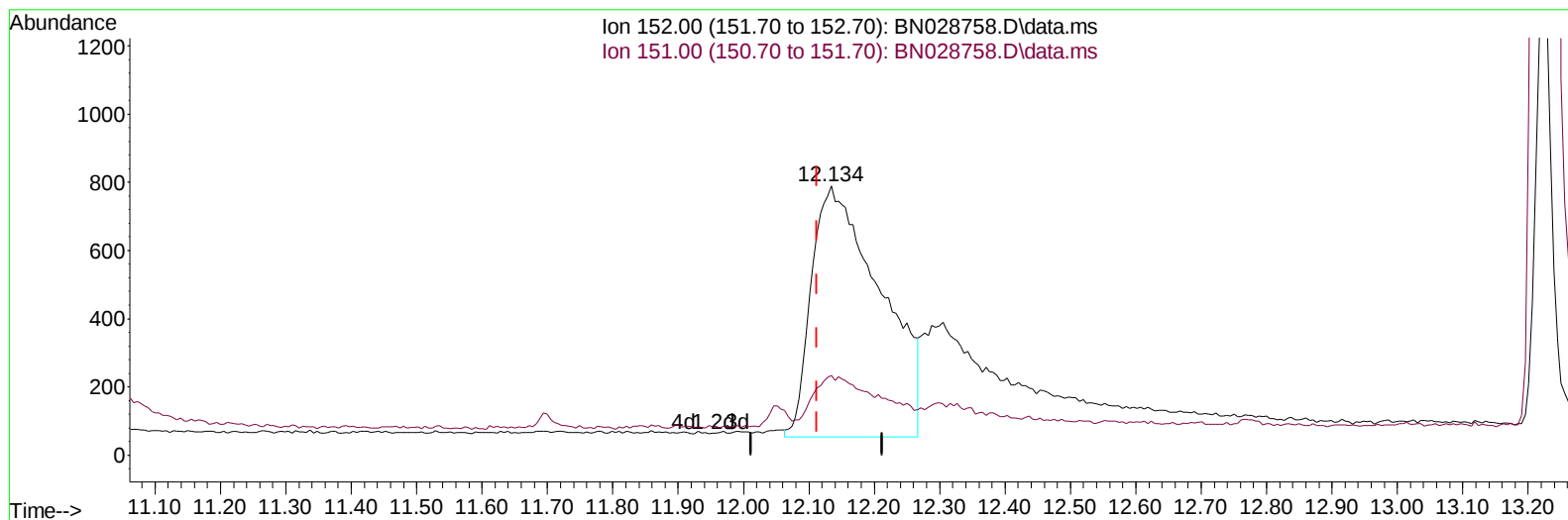
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.134min (+ 0.022) 0.16 ng/ul m

response 5388

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	0.09#
0.00	0.00	0.00
0.00	0.00	0.00

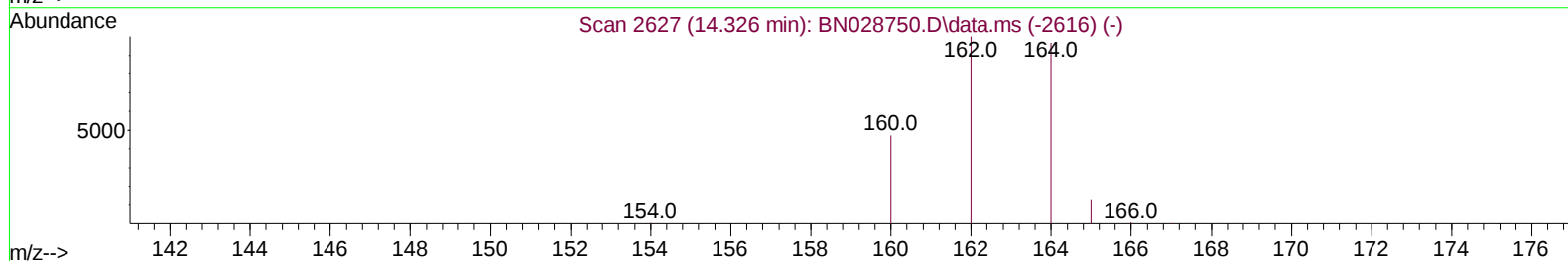
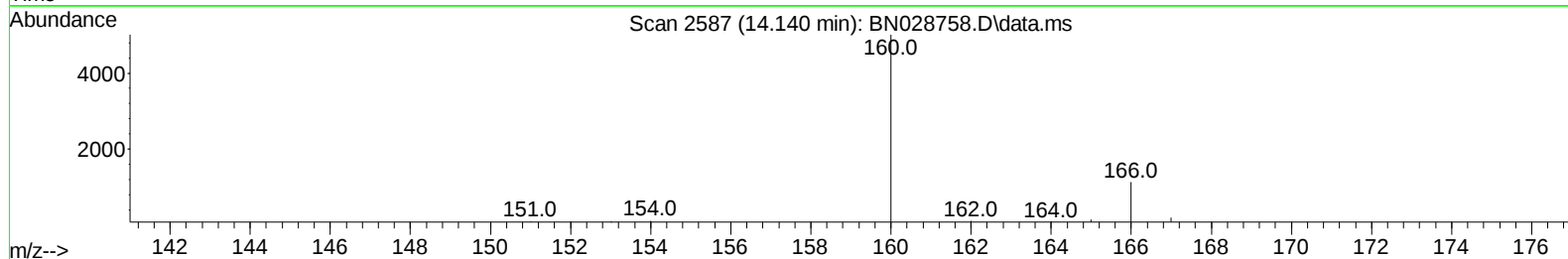
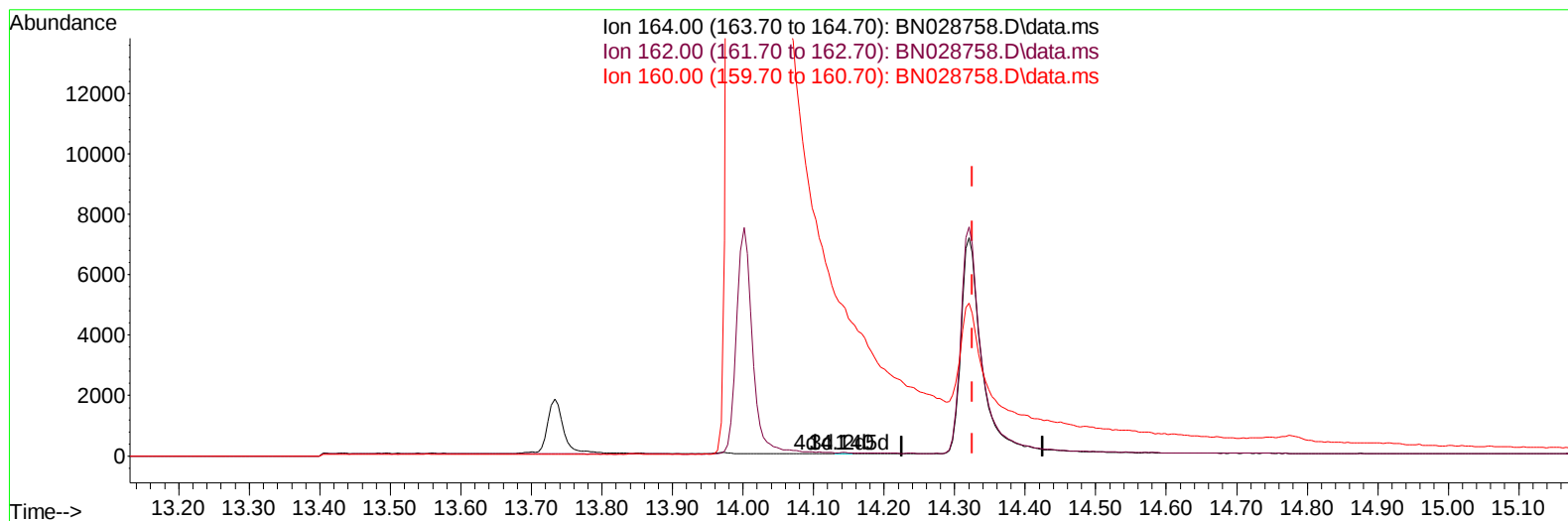
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(9) Acenaphthene-d10 (I)

14.140min (-0.185) 0.40 ng/u1

response 7

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	144.00#
160.00	49.20	6684.00#
0.00	0.00	0.00

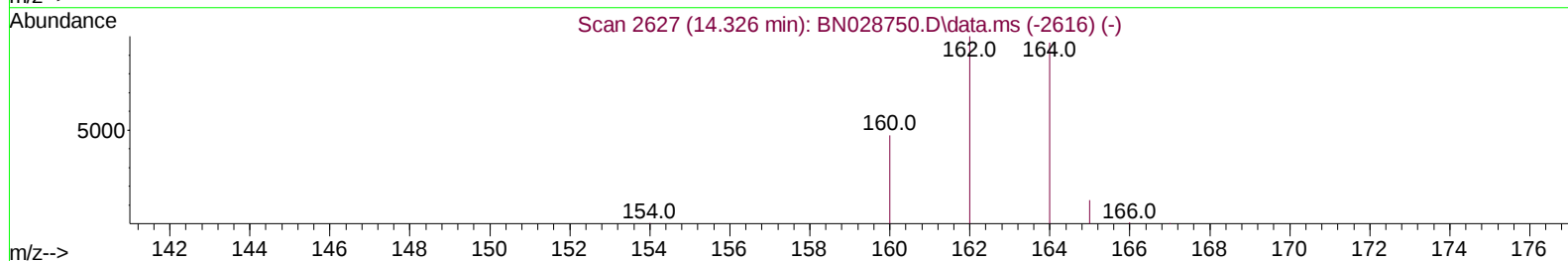
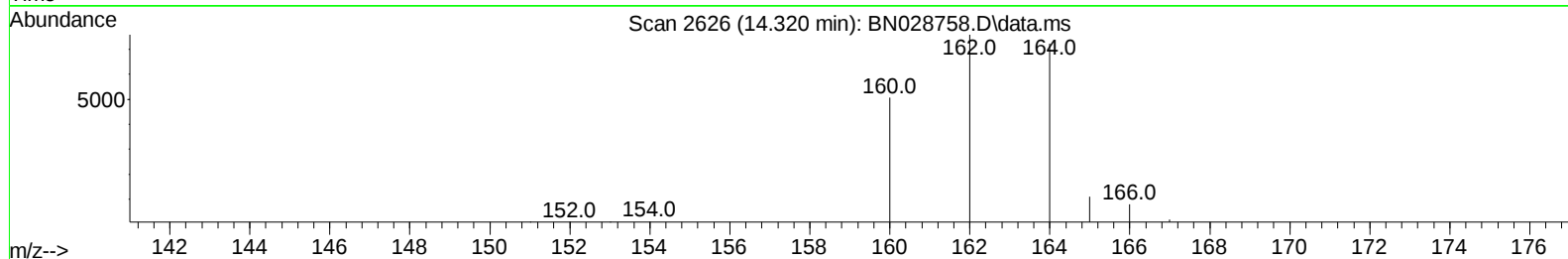
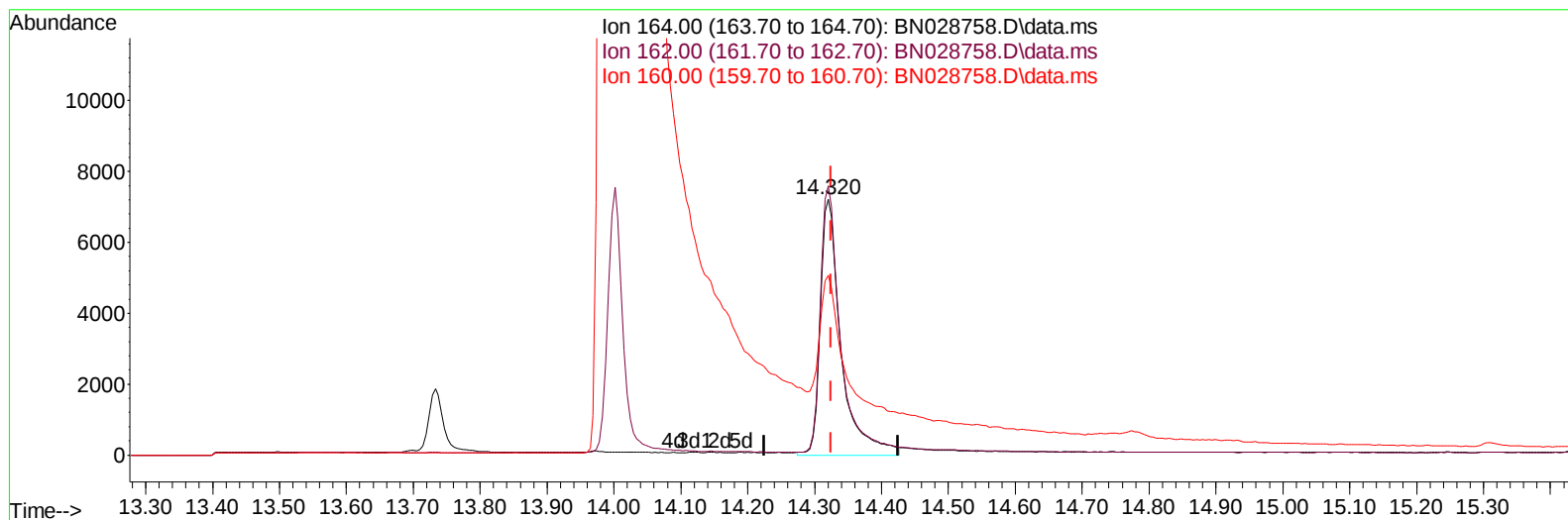
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(9) Acenaphthene-d10 (I)

14.320min (-0.005) 0.40 ng/ul m

response 15426

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	105.07
160.00	49.20	70.16#
0.00	0.00	0.00

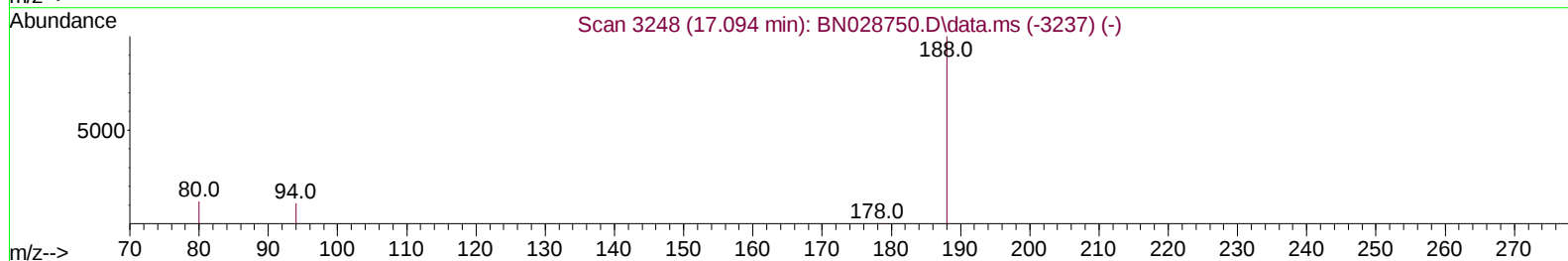
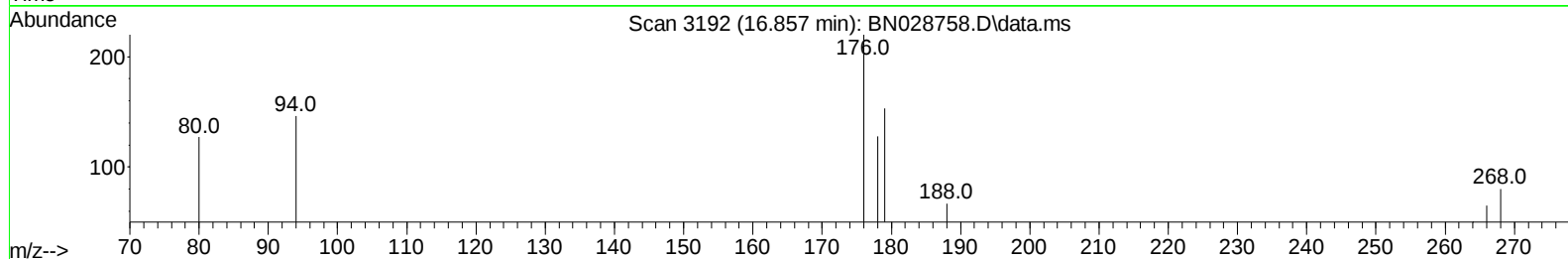
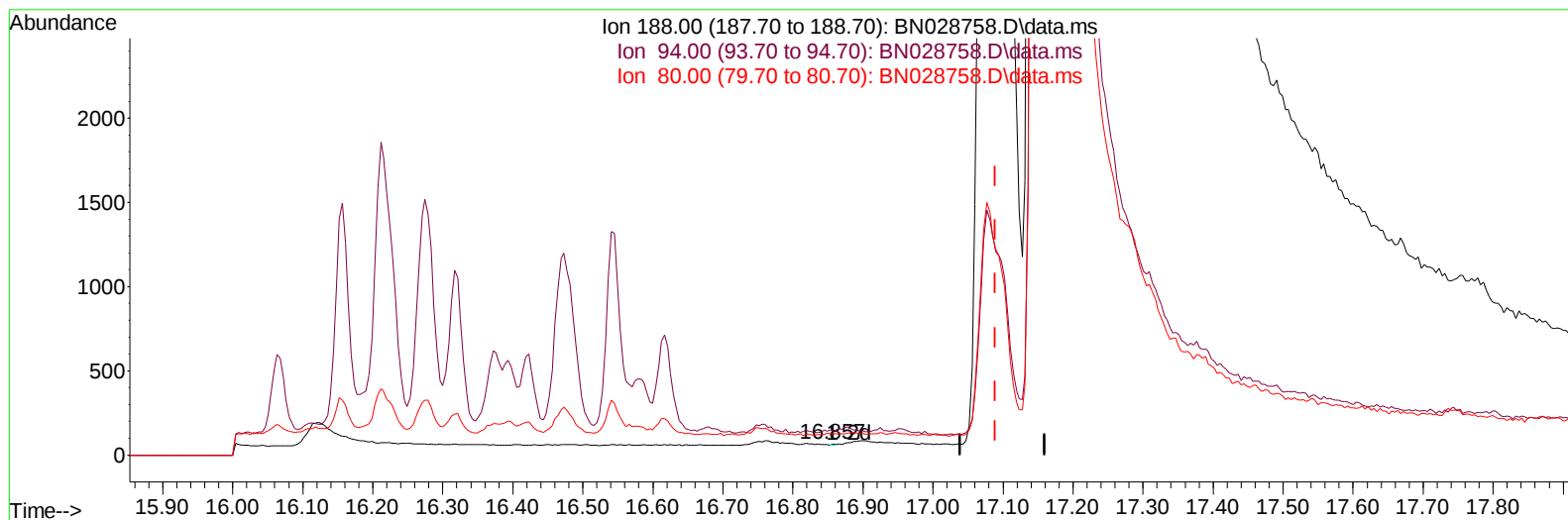
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(13) Phenanthrene-d10 (I)

16.857min (-0.232) 0.40 ng/u1

response 2

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	217.91#
80.00	10.90	189.55#
0.00	0.00	0.00

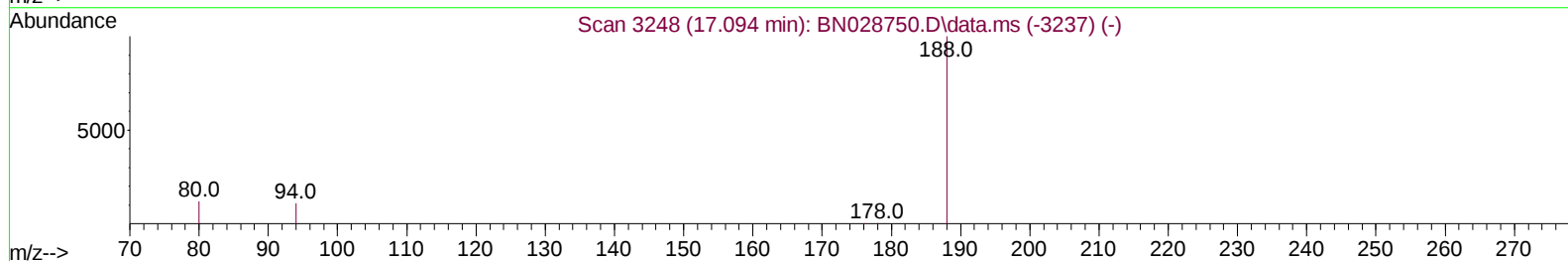
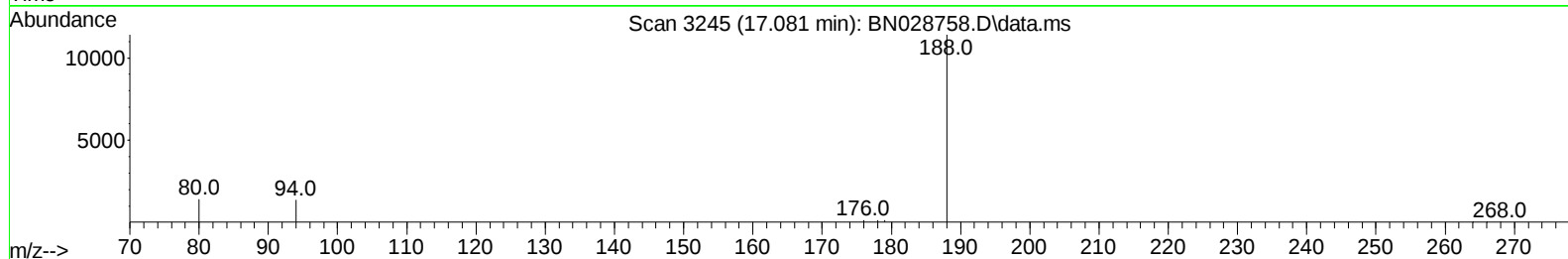
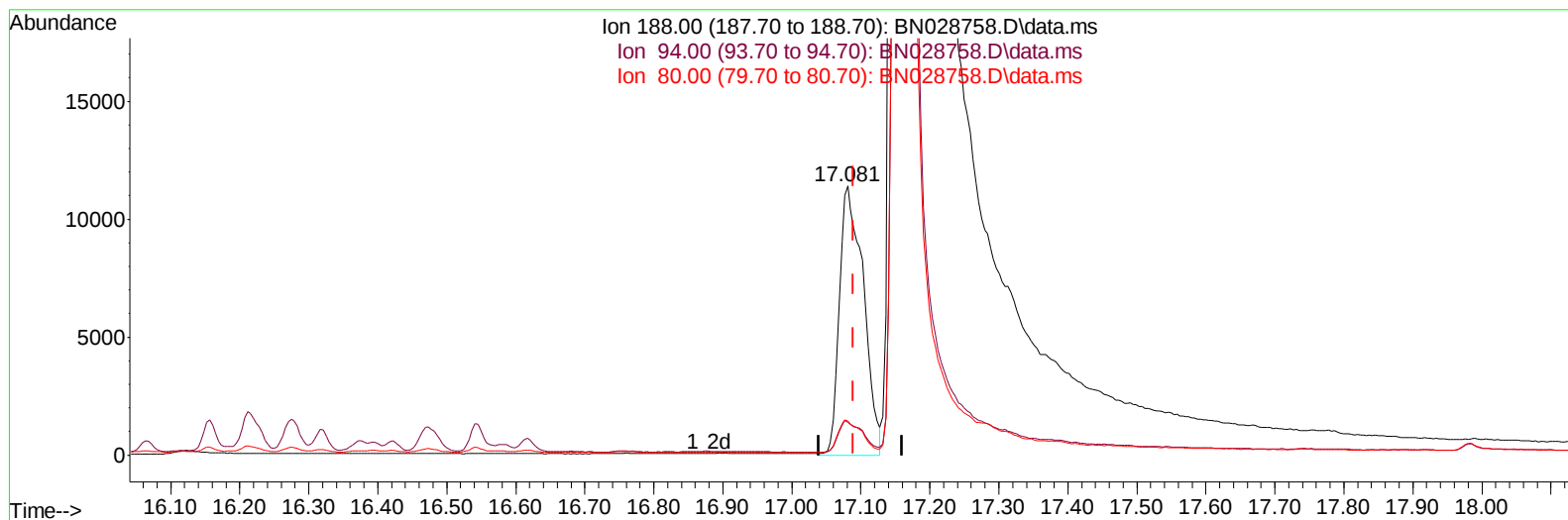
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(13) Phenanthrene-d10 (I)

17.081min (-0.008) 0.40 ng/ul m

response 27477

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	12.24#
80.00	10.90	12.63
0.00	0.00	0.00

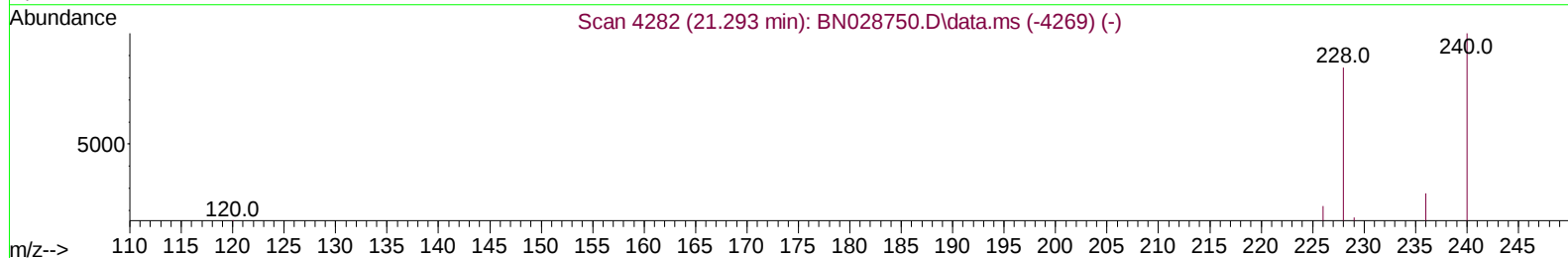
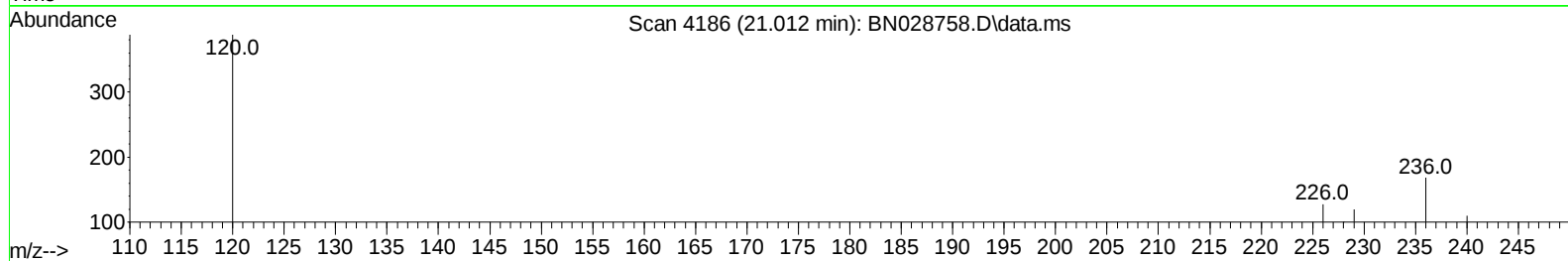
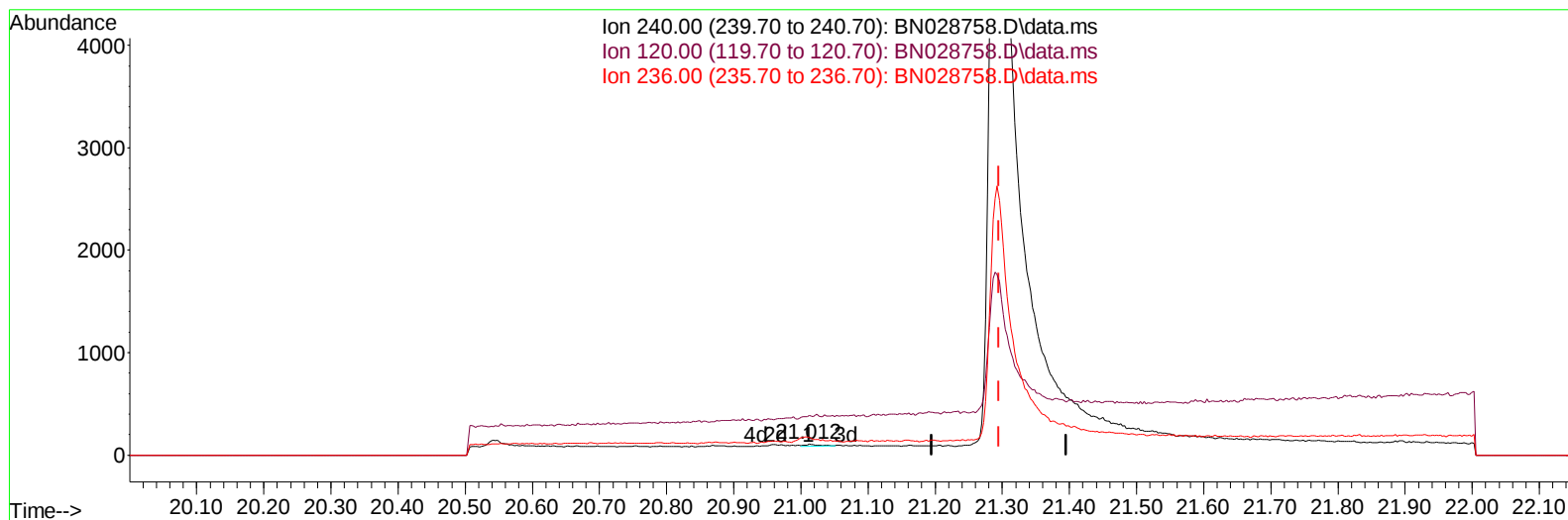
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(17) Chrysene-d12

21.012min (-0.283) 0.40 ng/u1

response 31

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	352.73#
236.00	28.00	152.73#
0.00	0.00	0.00

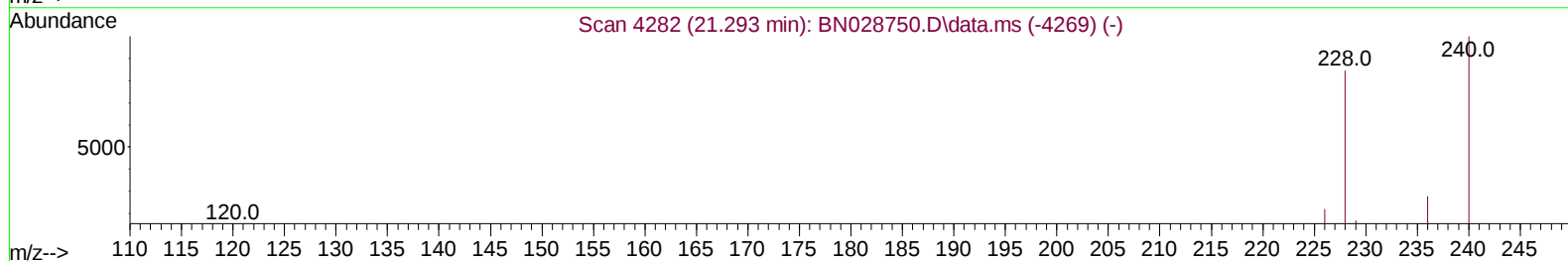
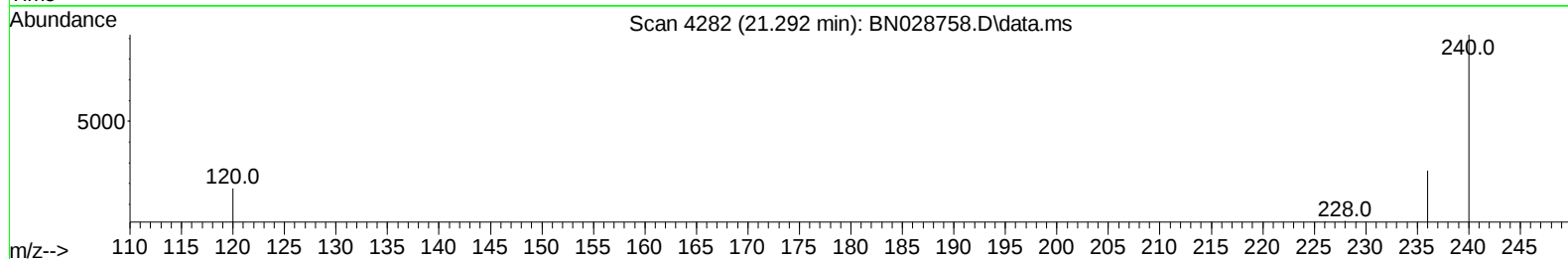
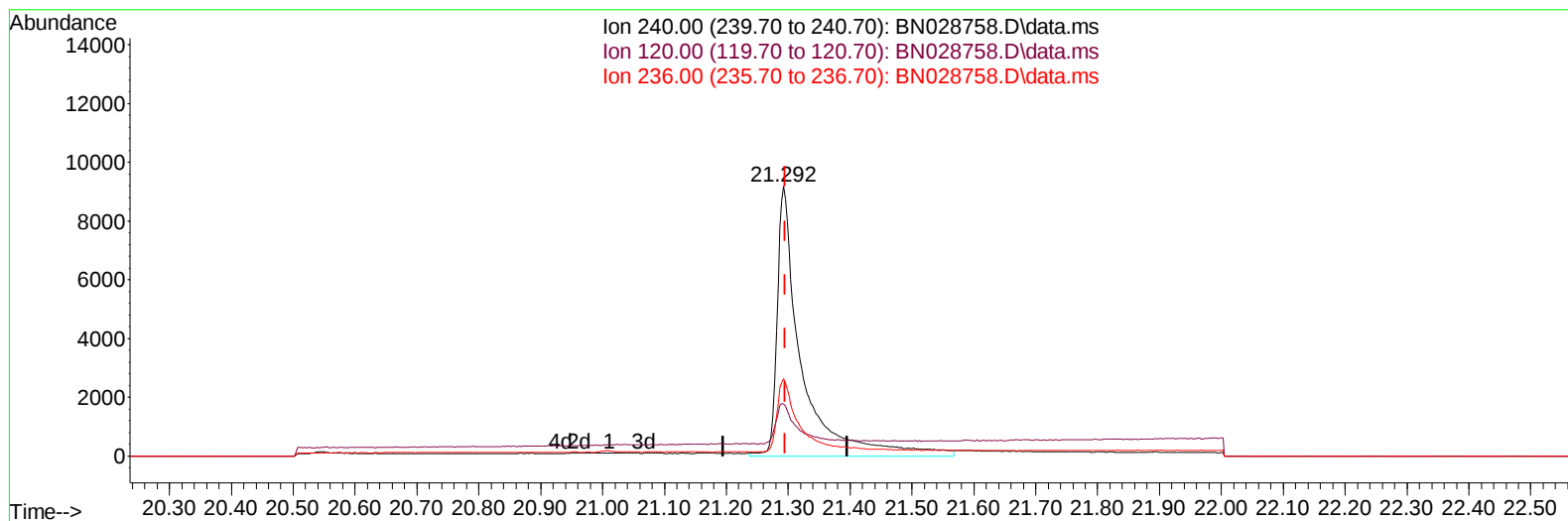
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028758.D
Acq On : 19 Nov 2023 03:17
Operator : MA/JU
Sample : 05369-20
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(17) Chrysene-d12

21.292min (-0.003) 0.40 ng/ul m

response 25198

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	19.20
236.00	28.00	28.63
0.00	0.00	0.00

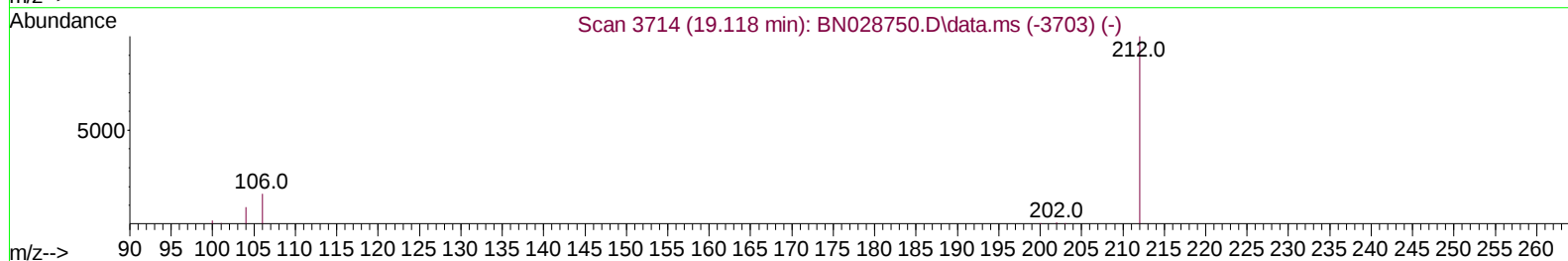
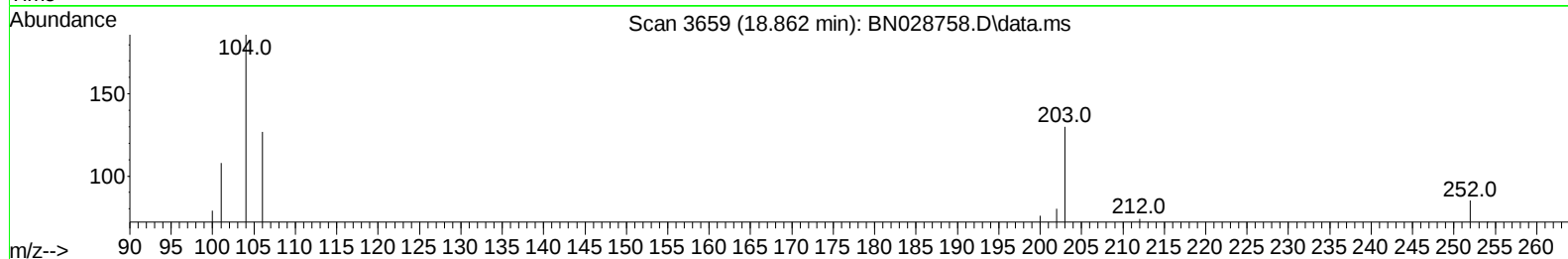
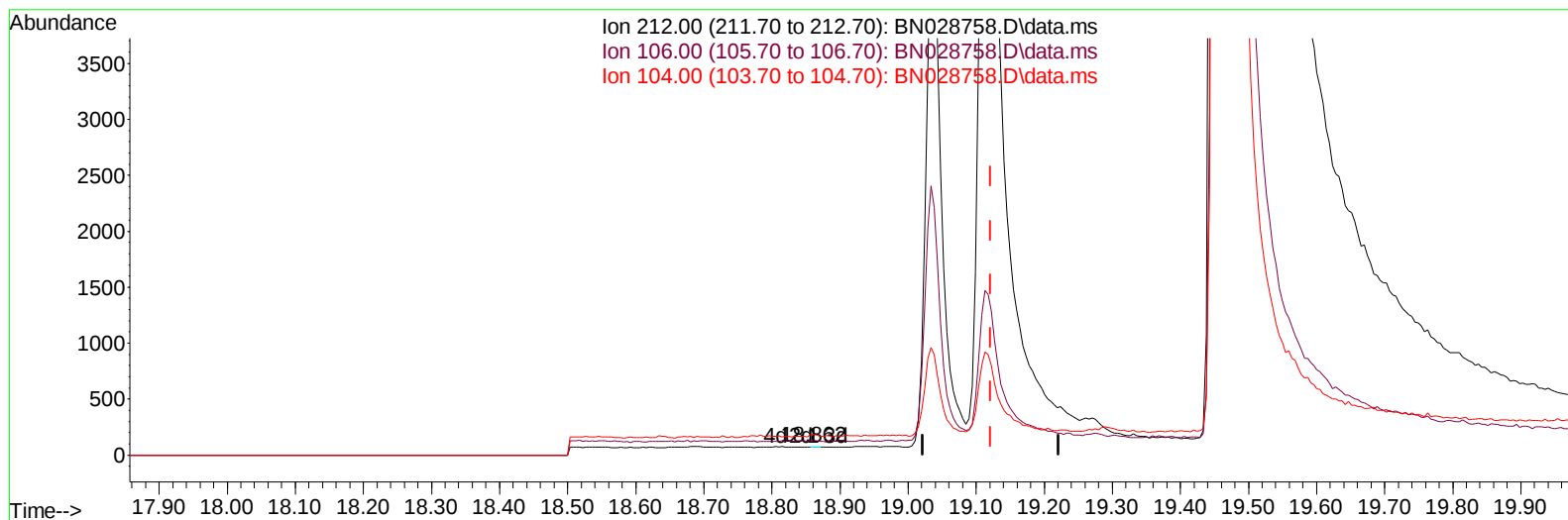
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.862min (-0.260) 0.00 ng/u1

response 2

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	400.00#
104.00	8.30	1150.00#
0.00	0.00	0.00

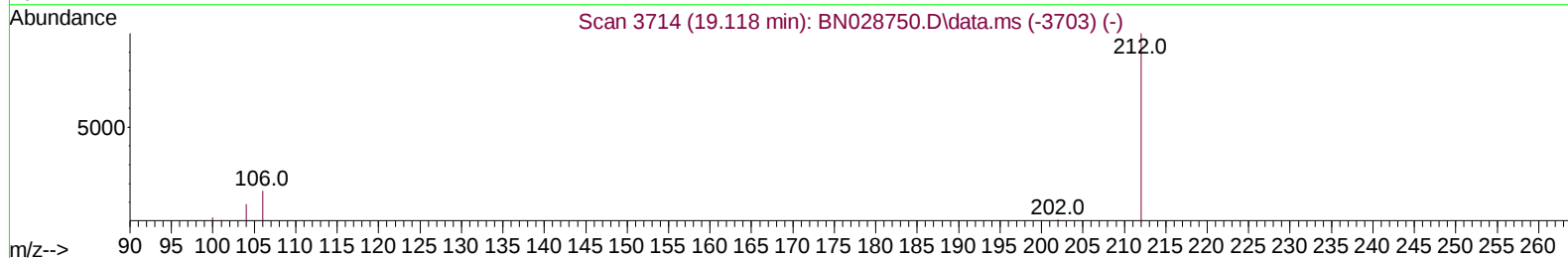
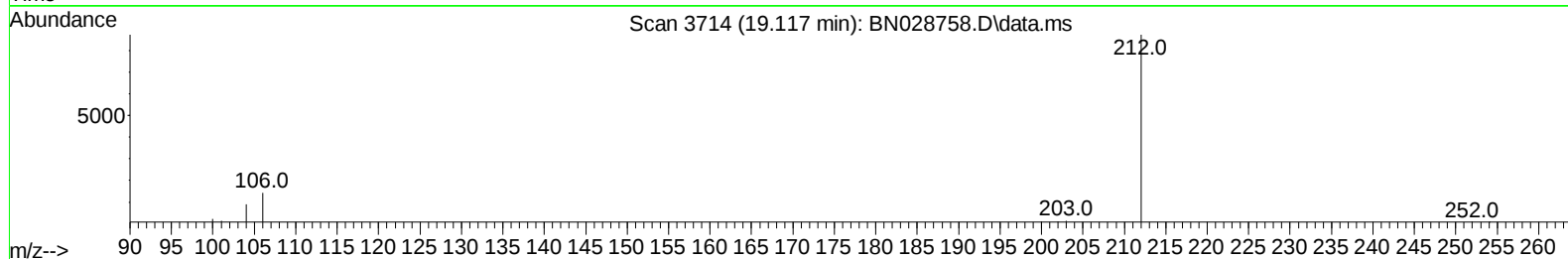
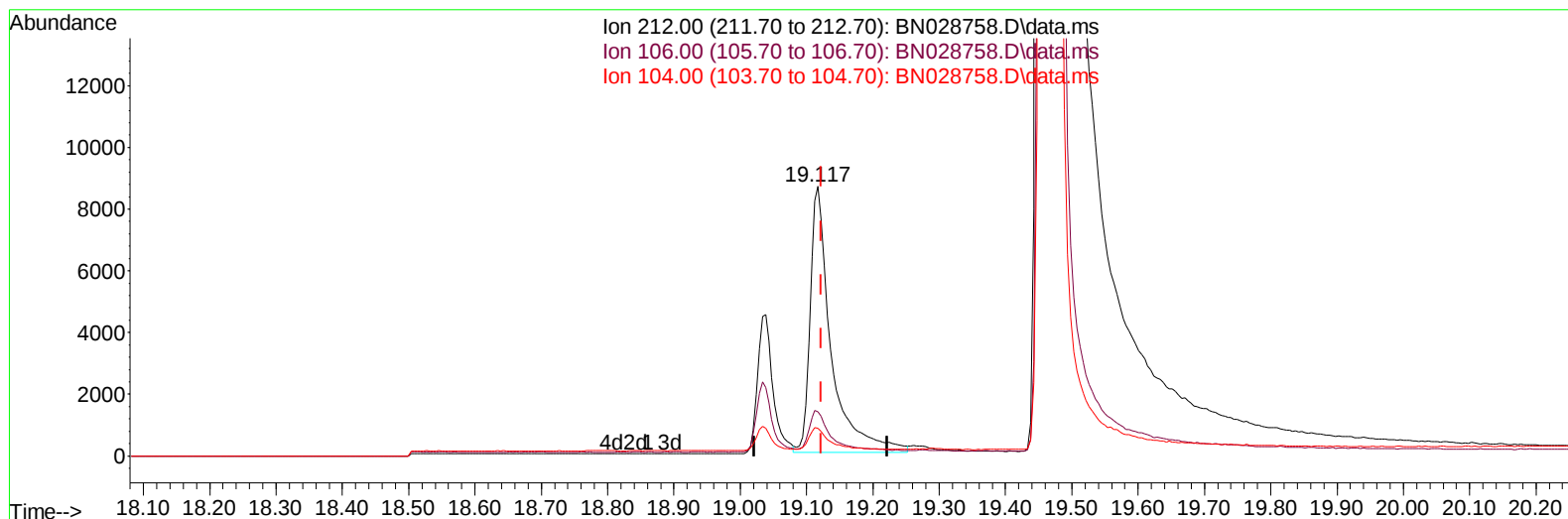
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.117min (-0.005) 0.24 ng/ul m

response 19056

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	0.04#
104.00	8.30	0.12#
0.00	0.00	0.00

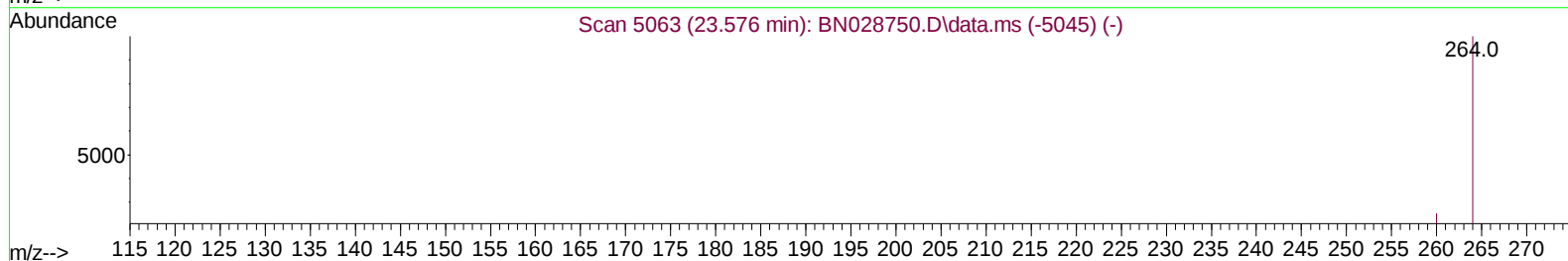
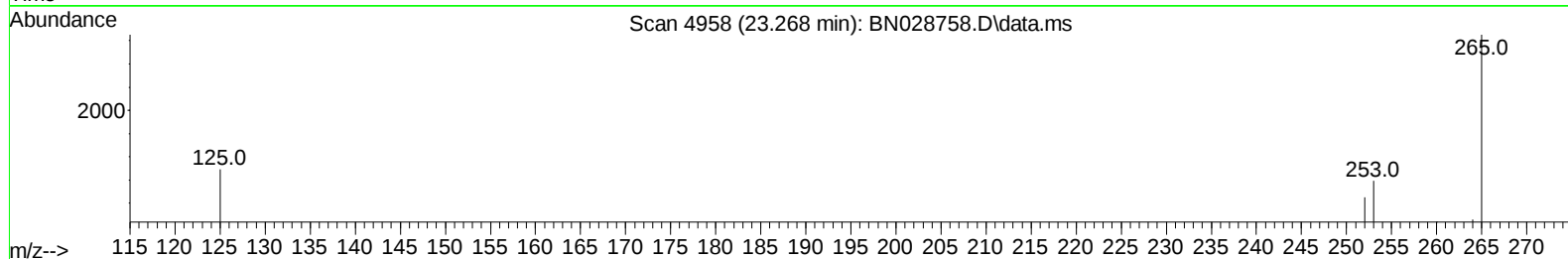
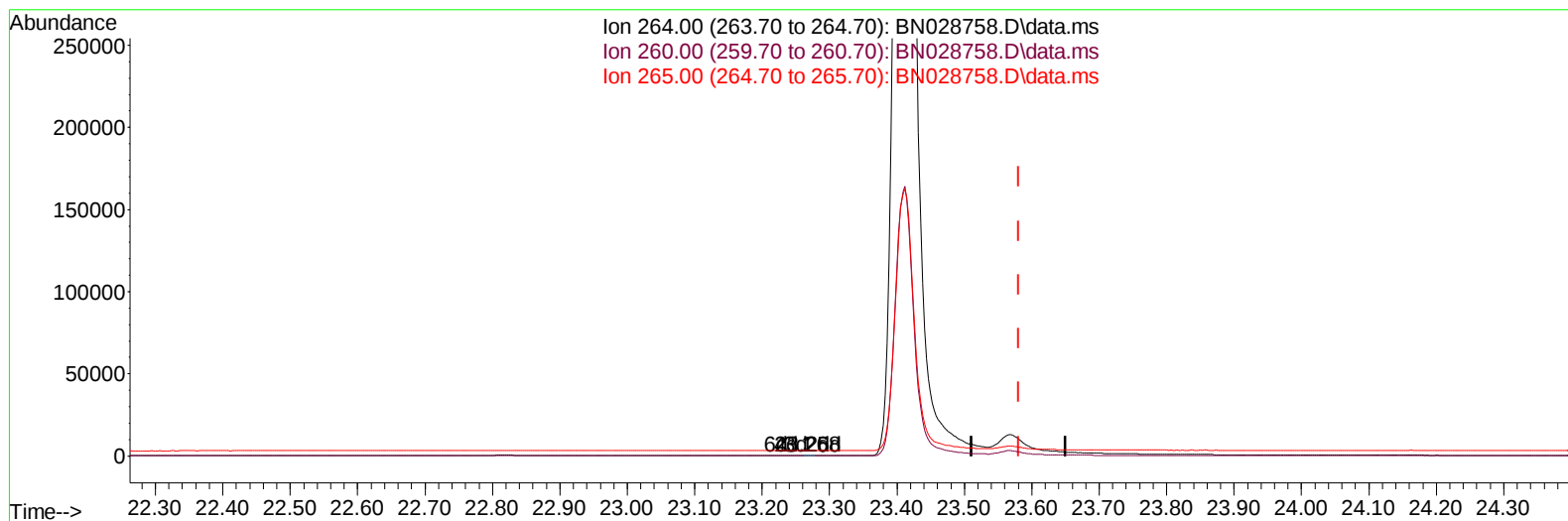
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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: BN028758.D\data.ms

(23) Perylene-d12 (I)

23.268min (-0.313) 0.40 ng/u1

response 2

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	62.30#
265.00	38.80	2707.38#
0.00	0.00	0.00

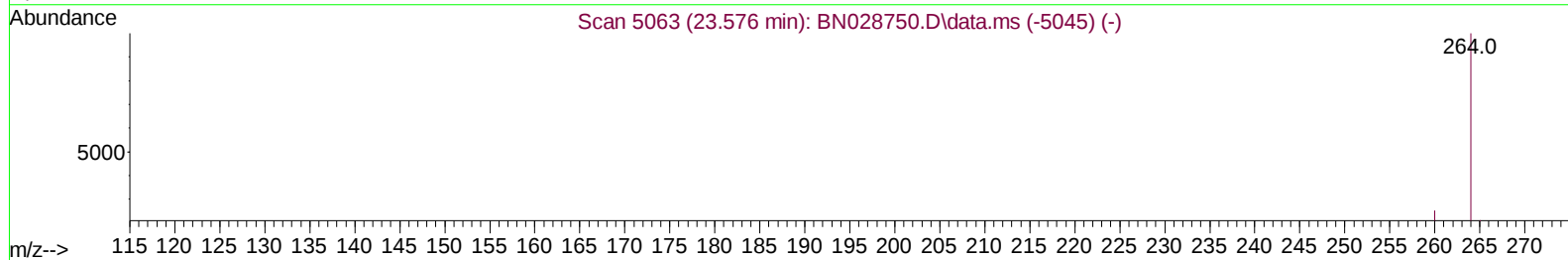
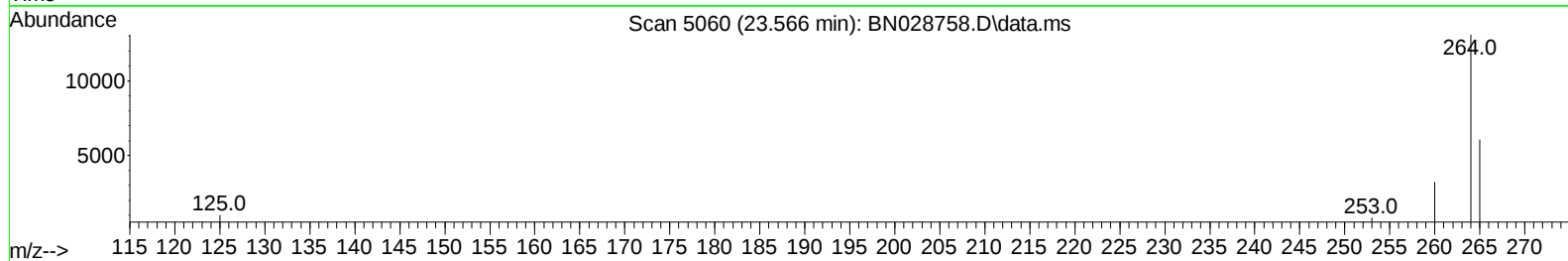
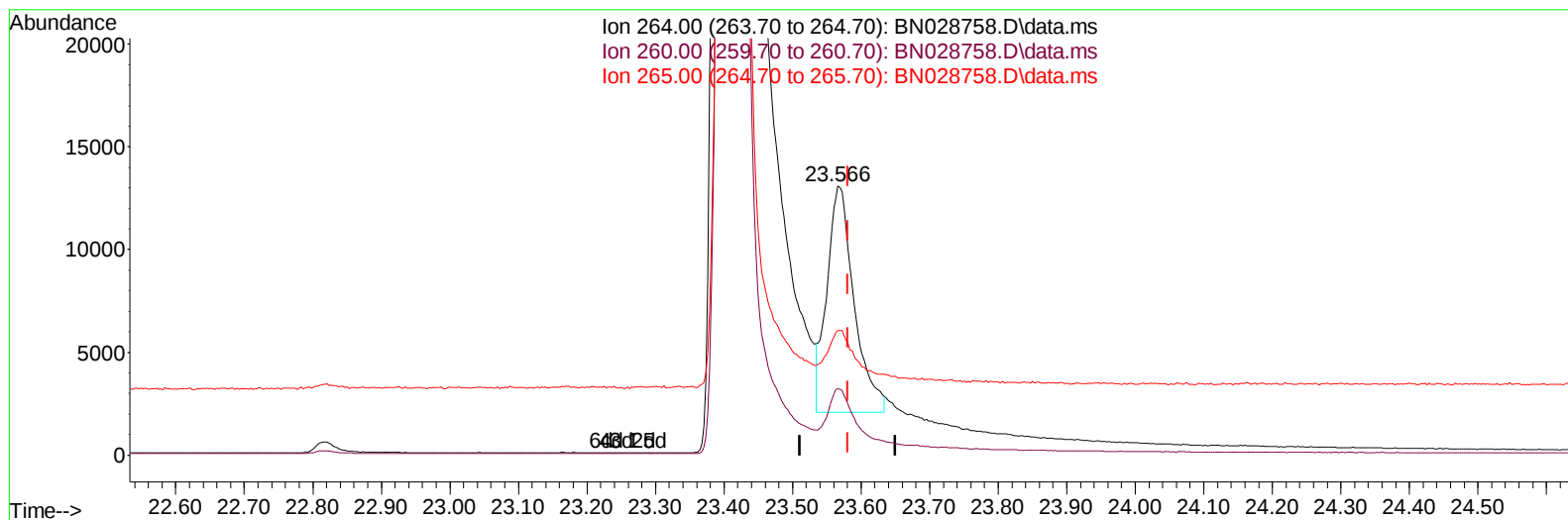
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028758.D
Acq On : 19 Nov 2023 03:17
Operator : MA/JU
Sample : 05369-20
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP5

Manual IntegrationsAPPROVED

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

Quant Time: Nov 20 00:00:50 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



TIC: BN028758.D\data.ms

(23) Perylene-d12 (I)

23.566min (-0.015) 0.40 ng/ul m

response 30273

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	24.59
265.00	38.80	46.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028758.D
 Acq On : 19 Nov 2023 03:17
 Operator : MA/JU
 Sample : 05369-20
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP5

Manual IntegrationsAPPROVED

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

Quant Time: Nov 20 00:00:50 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.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	7007m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.473	136	22133m	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.320	164	15426m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.081	188	27477m	0.400	ng/ul	0.00
17) Chrysene-d12	21.292	240	25198m	0.400	ng/ul	0.00
23) Perylene-d12	23.566	264	30273m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	34405	4.443	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.134	152	5388m	0.162	ng/ul	0.02
18) Fluoranthene-d10	19.117	212	19056m	0.235	ng/ul	0.00

Target Compounds	Qvalue
------------------	--------

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028758.D
Acq On : 19 Nov 2023 03:17
Operator : MA/JU
Sample : 05369-20
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP5

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:00:50 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

