

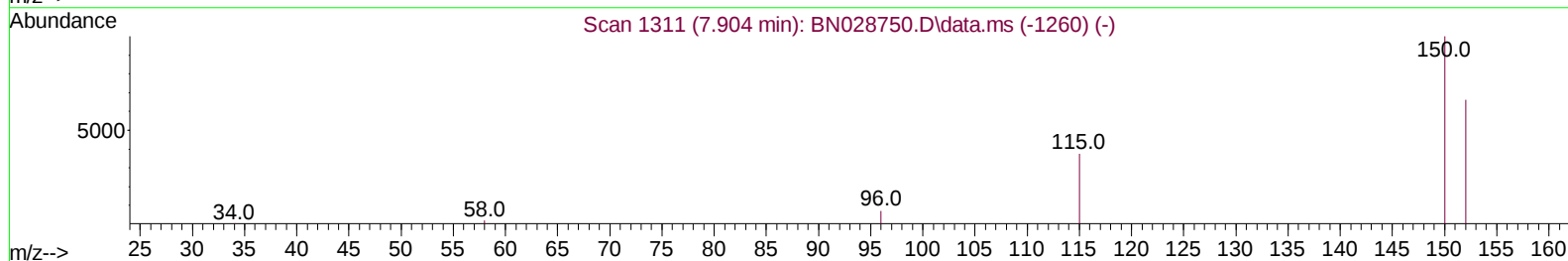
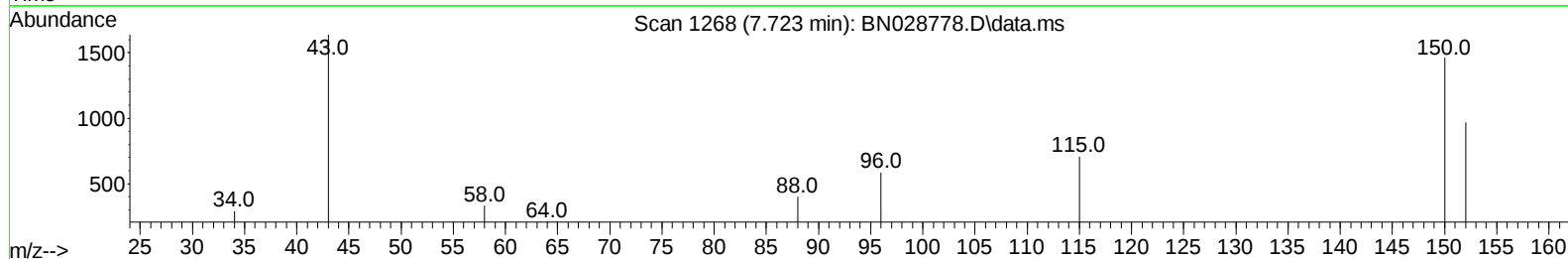
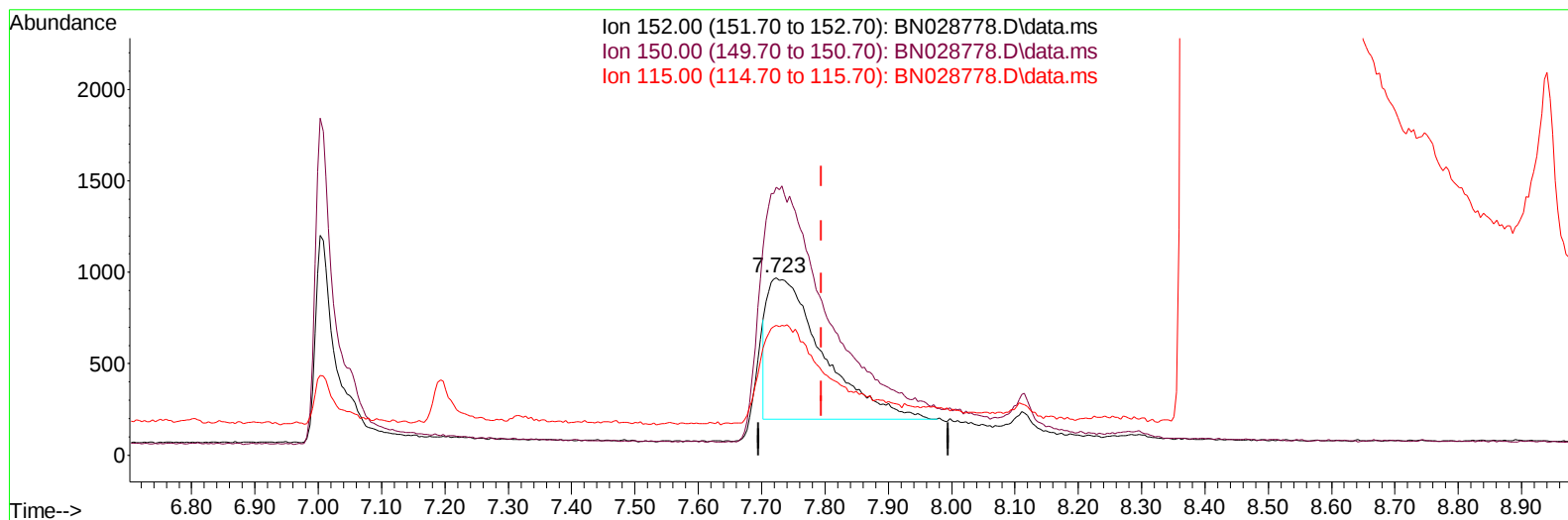
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
Response via : Initial Calibration

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



TIC: BN028778.D\data.ms

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

7.723min (-0.072) 0.40 ng/u1

response 4751

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	150.77
115.00	62.20	72.91
0.00	0.00	0.00

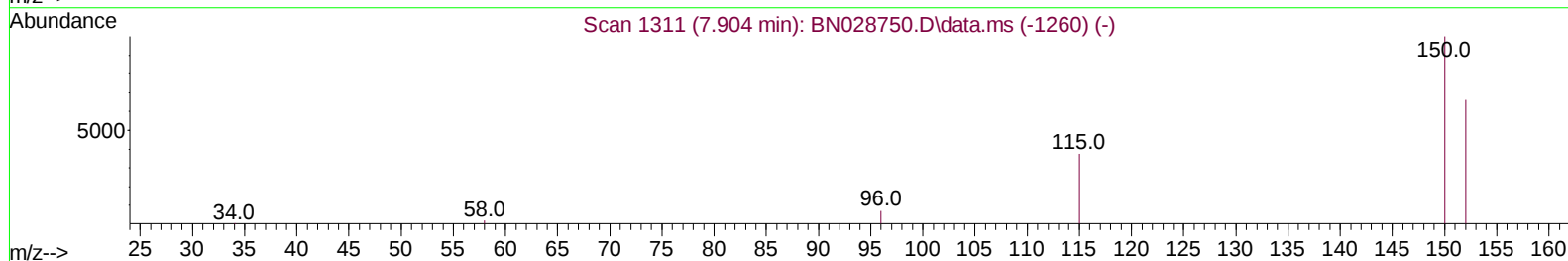
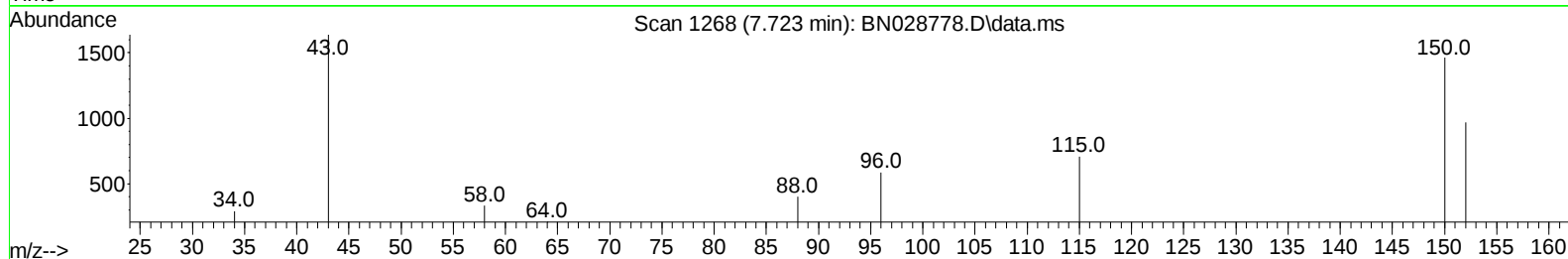
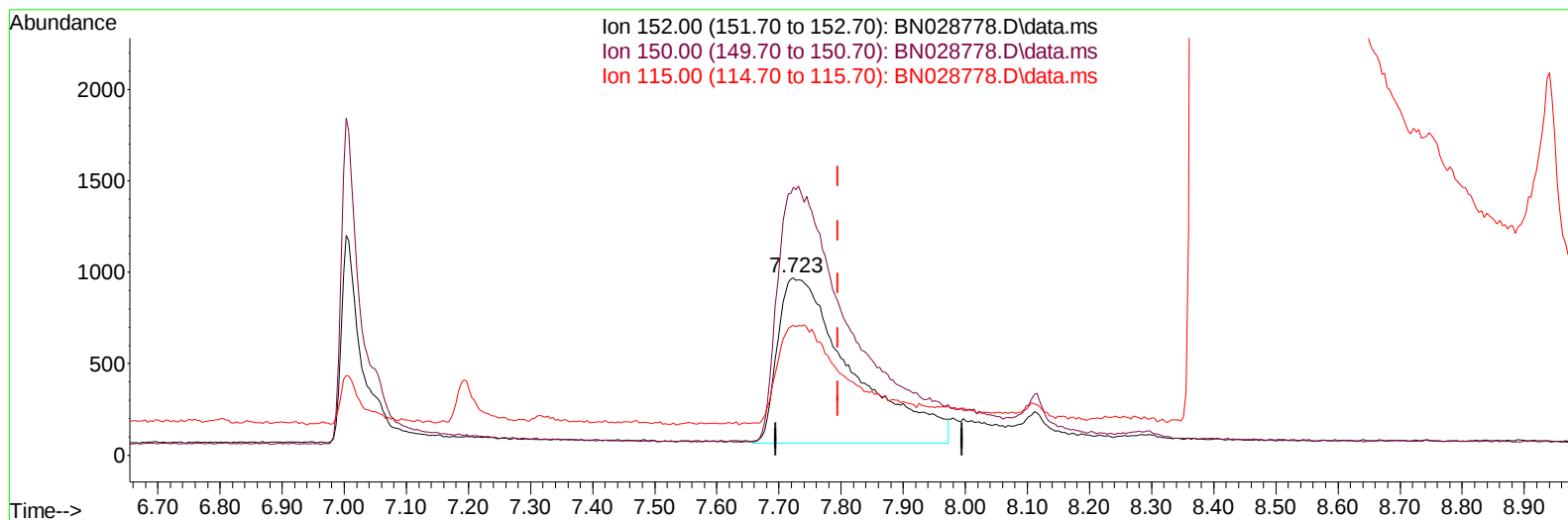
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
Response via : Initial Calibration

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



TIC: BN028778.D\data.ms

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

7.723min (-0.072) 0.40 ng/ul m

response 7499

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	150.77
115.00	62.20	72.91
0.00	0.00	0.00

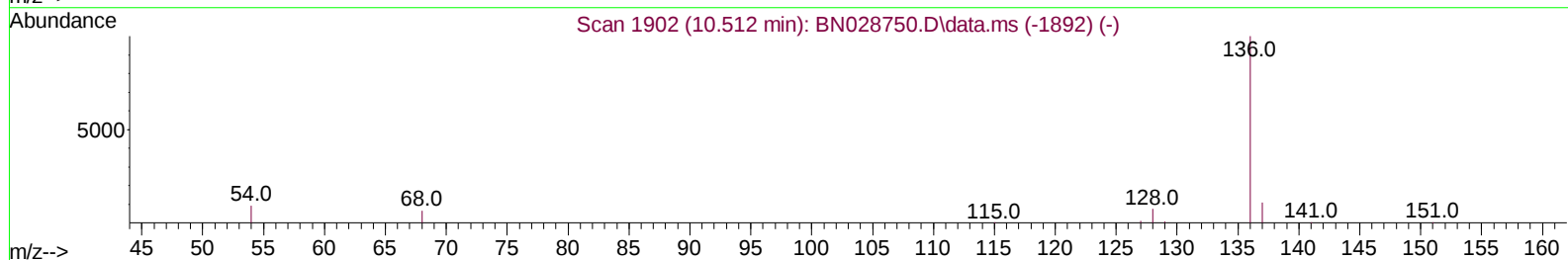
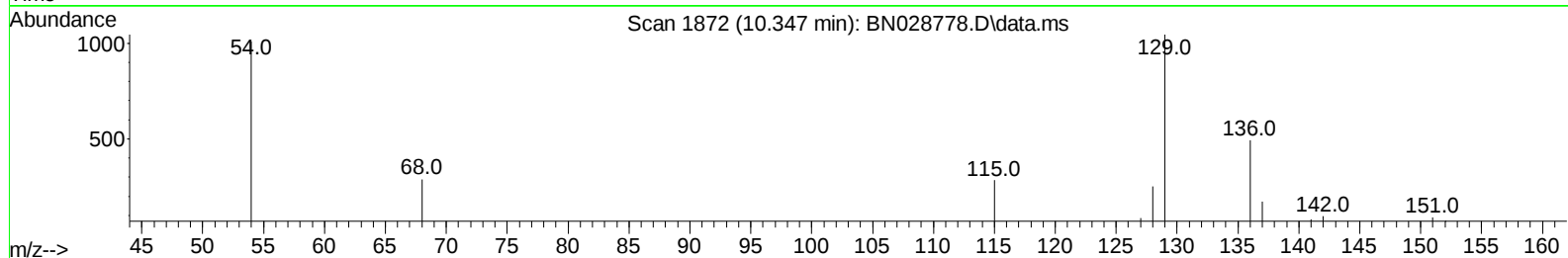
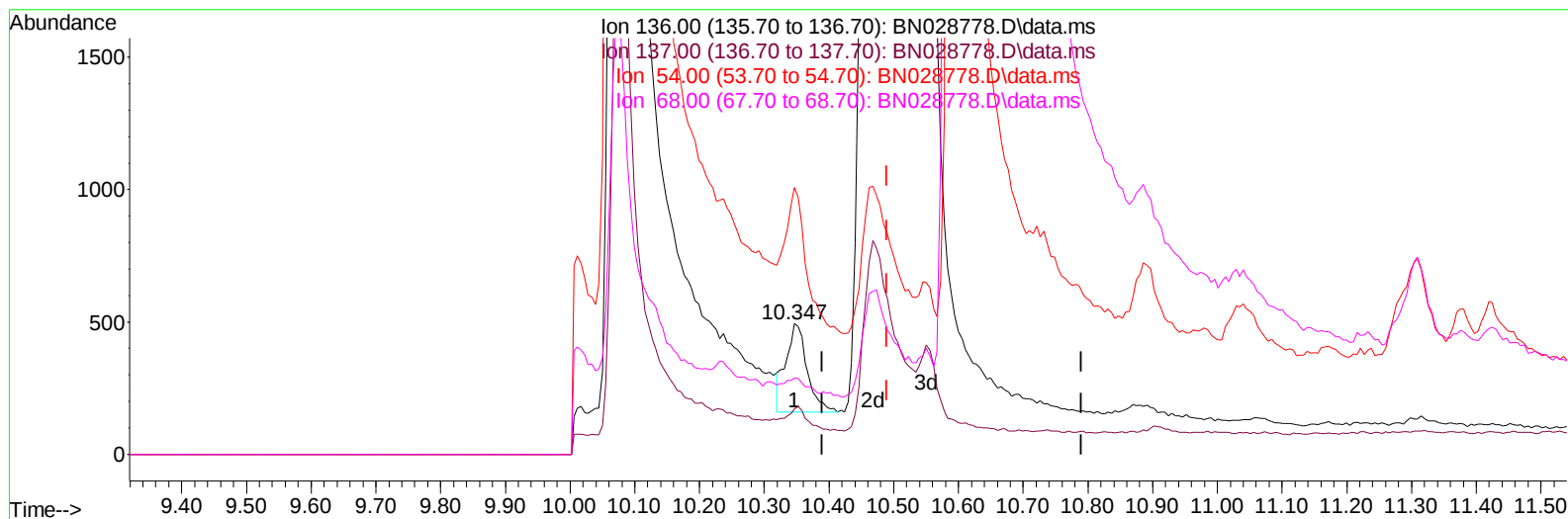
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Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
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Reviewed By :Yogesh Patel 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028778.D\data.ms

(4) Naphthalene-d8 (I)

10.347min (-0.143) 0.40 ng/u1

response 764

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	34.69#
54.00	9.00	204.46#
68.00	7.10	58.62#

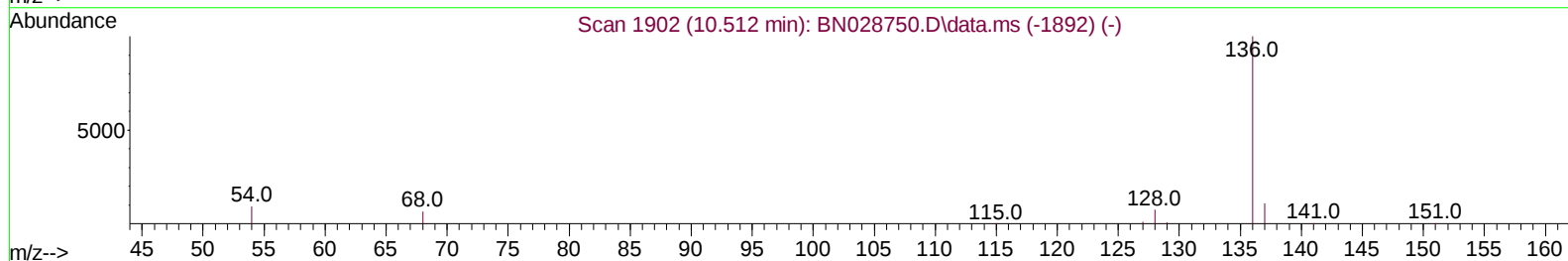
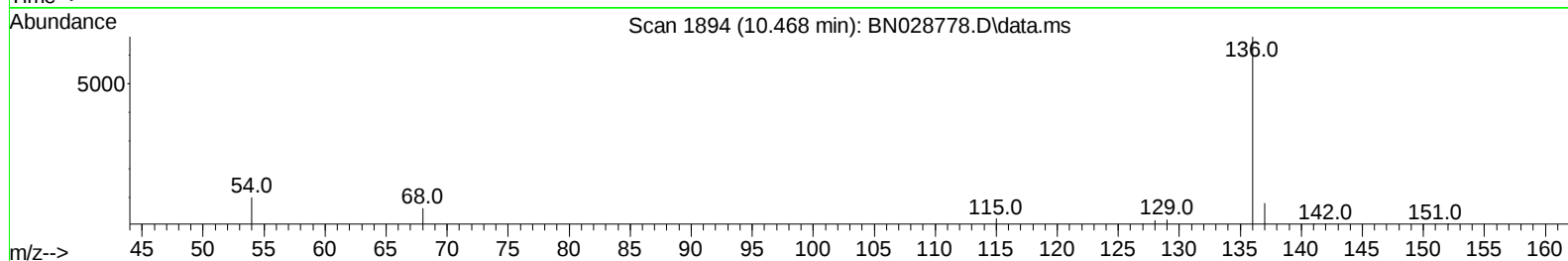
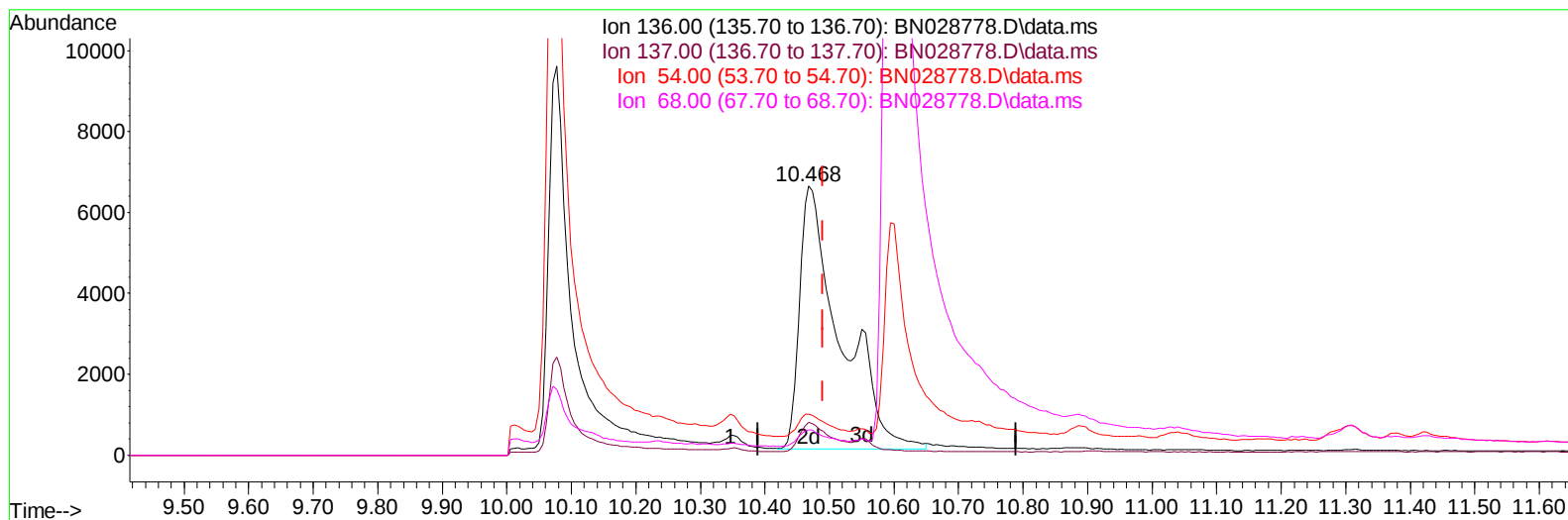
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
Response via : Initial Calibration

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



TIC: BN028778.D\data.ms

(4) Naphthalene-d8 (I)

10.468min (-0.022) 0.40 ng/u1 m

response 28663

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	12.15
54.00	9.00	15.25#
68.00	7.10	9.28#

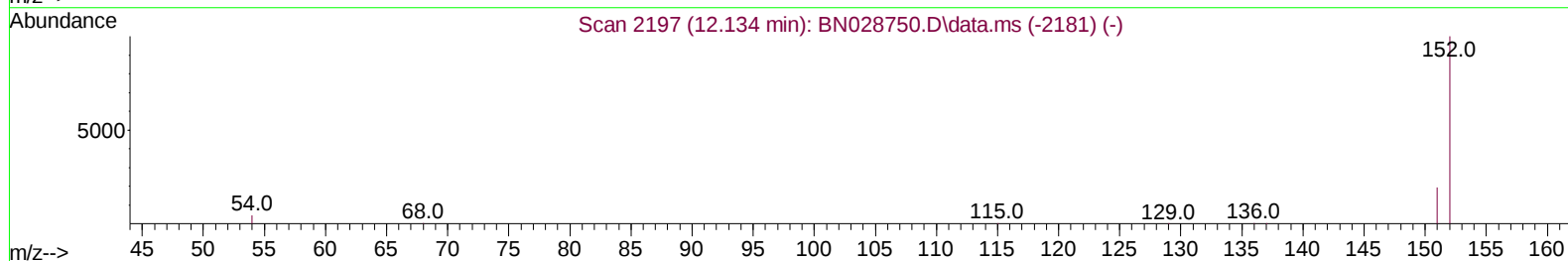
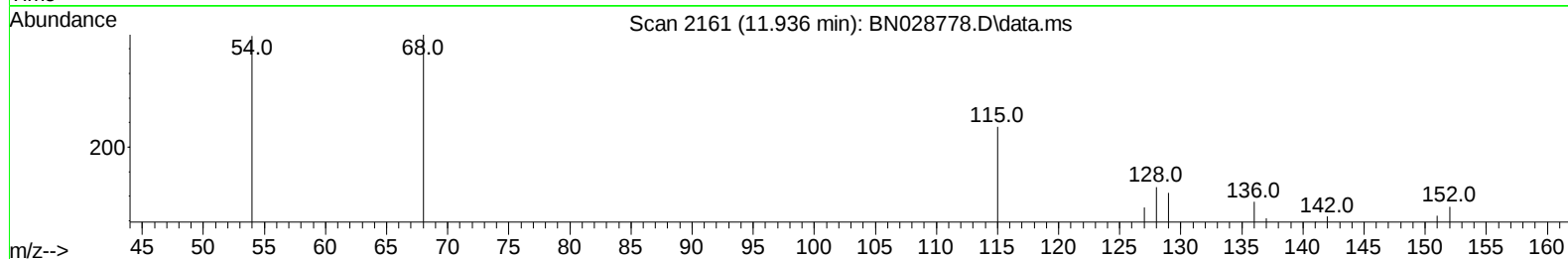
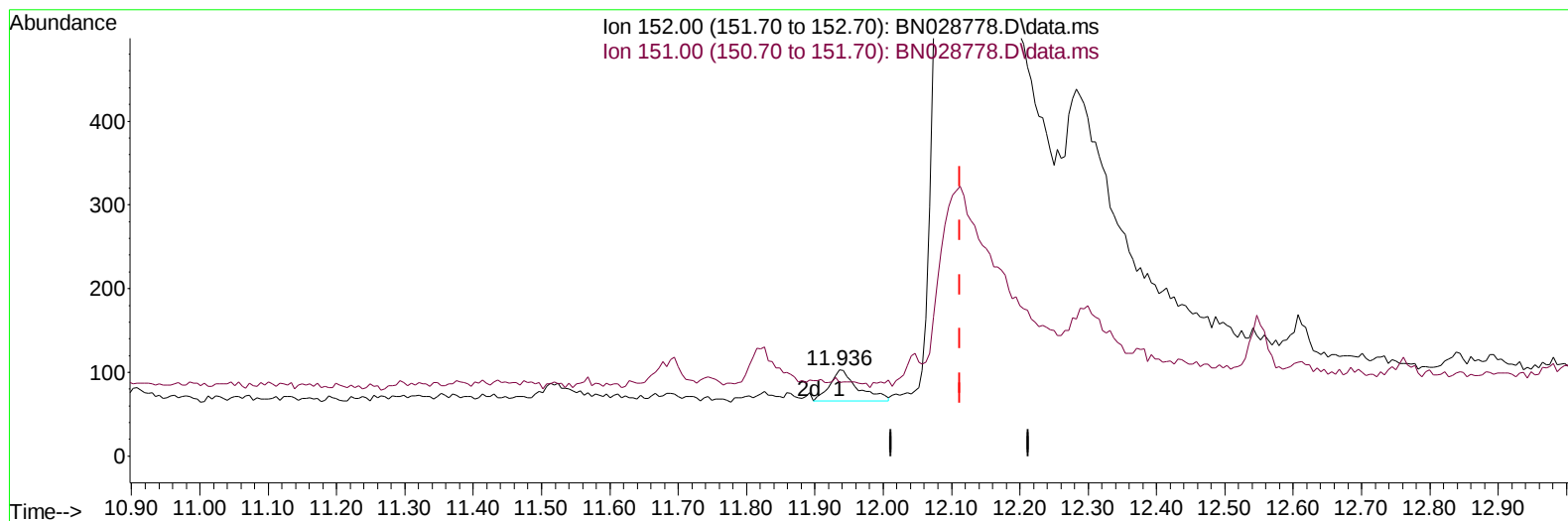
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

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

Quant Time: Nov 20 02:06:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
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QLast Update : Mon Nov 20 01:23:26 2023
Response via : Initial Calibration



TIC: BN028778.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

11.936min (-0.176) 0.00 ng/u1

response 105

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	20.95
0.00	0.00	0.00
0.00	0.00	0.00

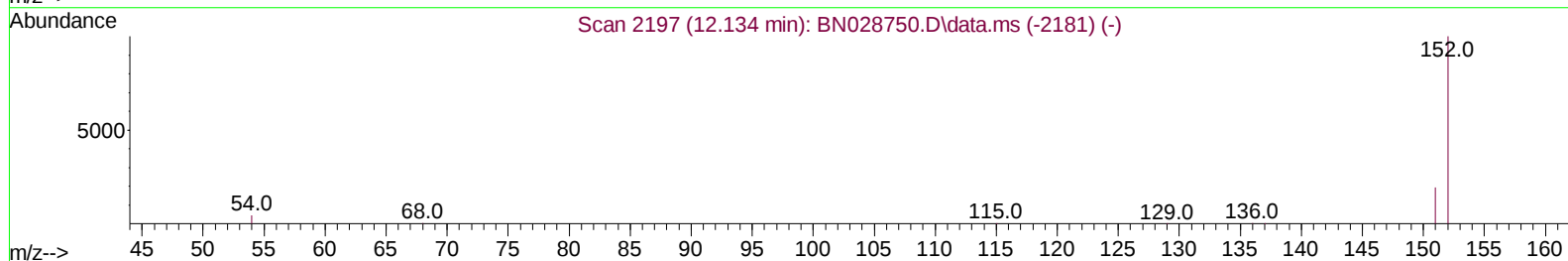
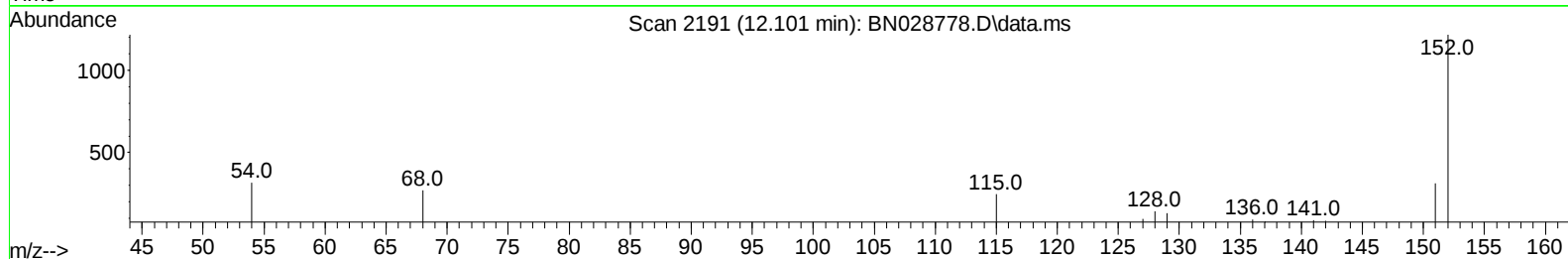
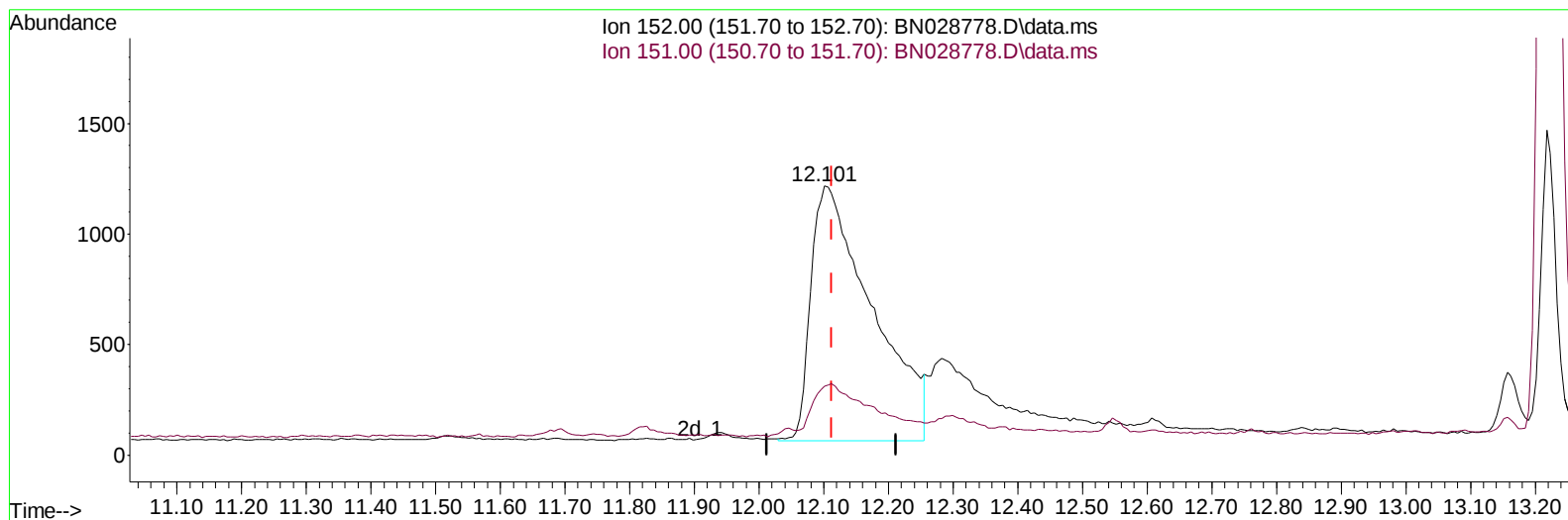
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
Response via : Initial Calibration

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TIC: BN028778.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.101min (-0.011) 0.18 ng/ul m

response 7590

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	0.29#
0.00	0.00	0.00
0.00	0.00	0.00

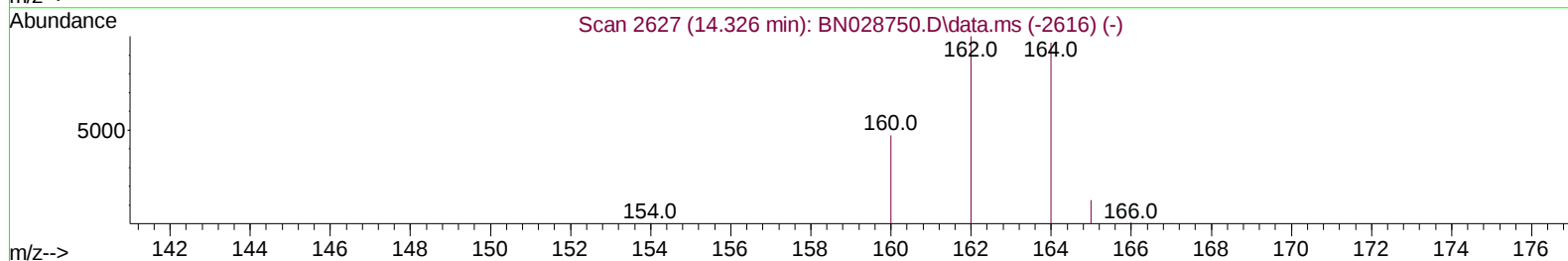
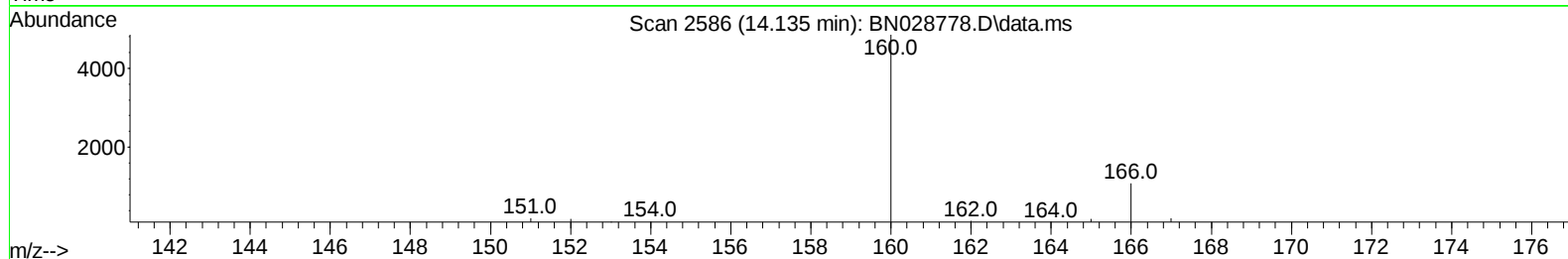
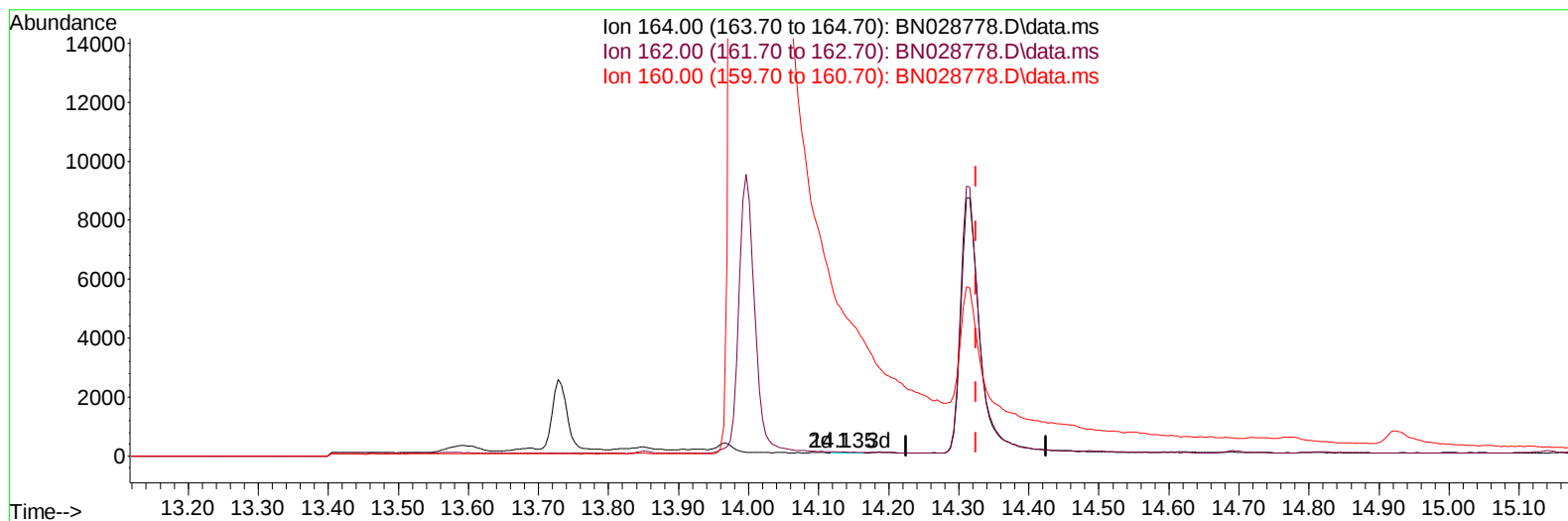
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028778.D
 Acq On : 19 Nov 2023 15:50
 Operator : MA/JU
 Sample : 05370-19
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
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TIC: BN028778.D\data.ms

(9) Acenaphthene-d10 (I)

14.135min (-0.190) 0.40 ng/u1

response 18

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	115.79
160.00	49.20	4256.14#
0.00	0.00	0.00

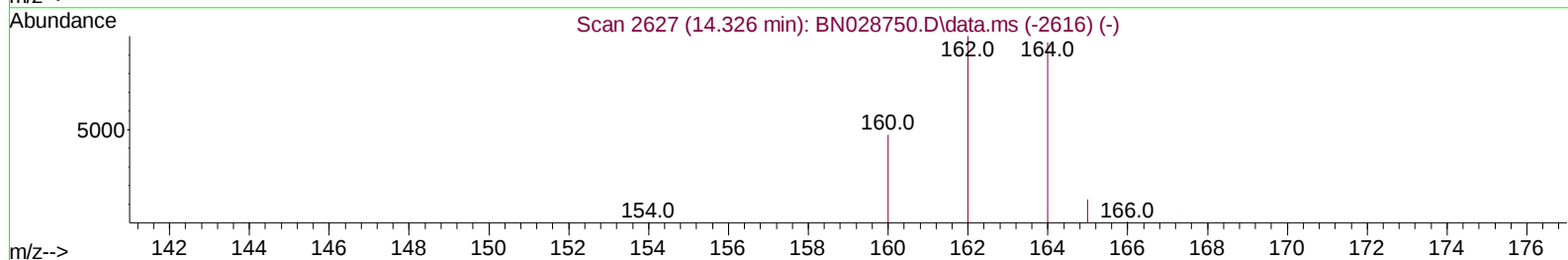
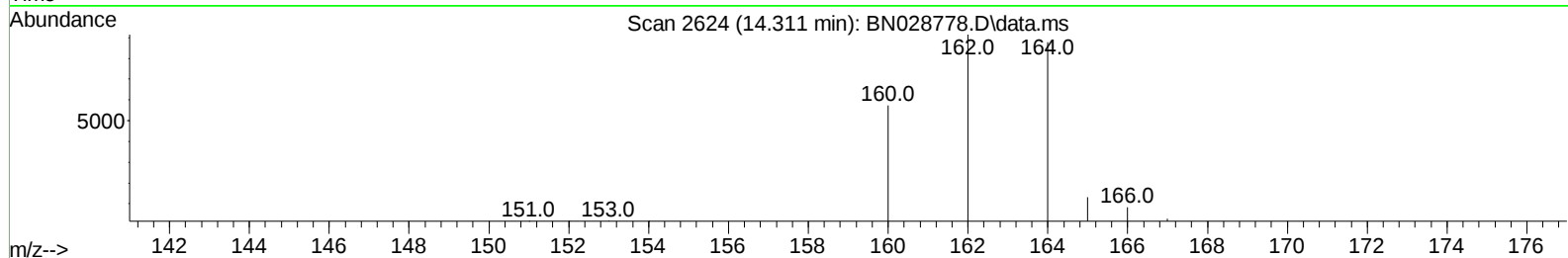
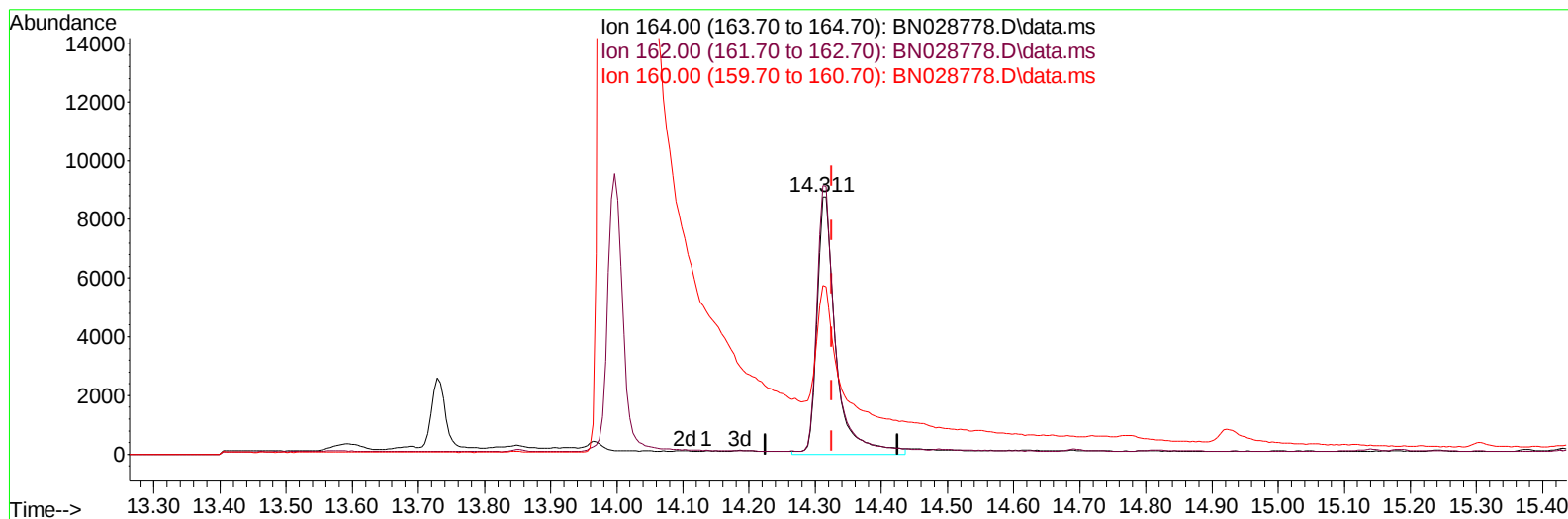
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
Response via : Initial Calibration

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



TIC: BN028778.D\data.ms

(9) Acenaphthene-d10 (I)

14.311min (-0.014) 0.40 ng/u1 m

response 17510

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	104.28
160.00	49.20	65.53#
0.00	0.00	0.00

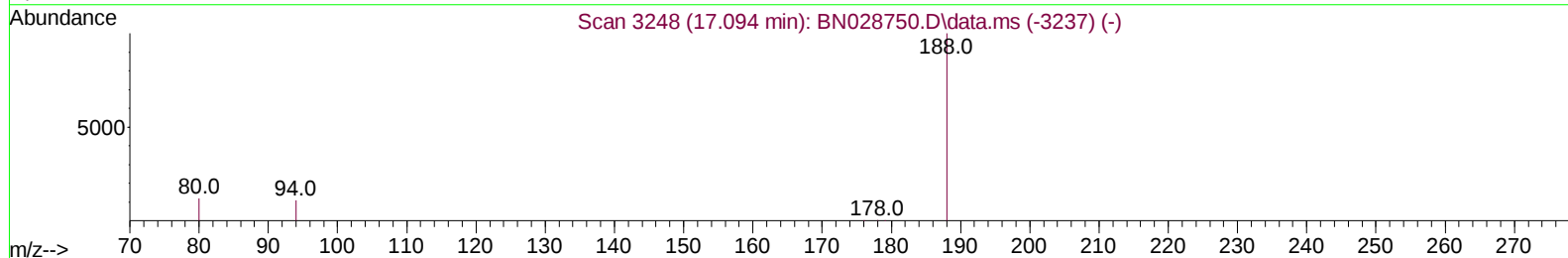
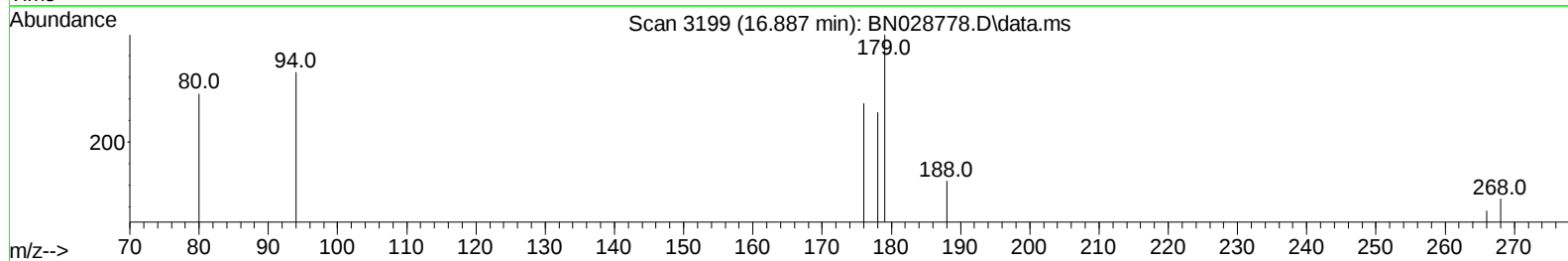
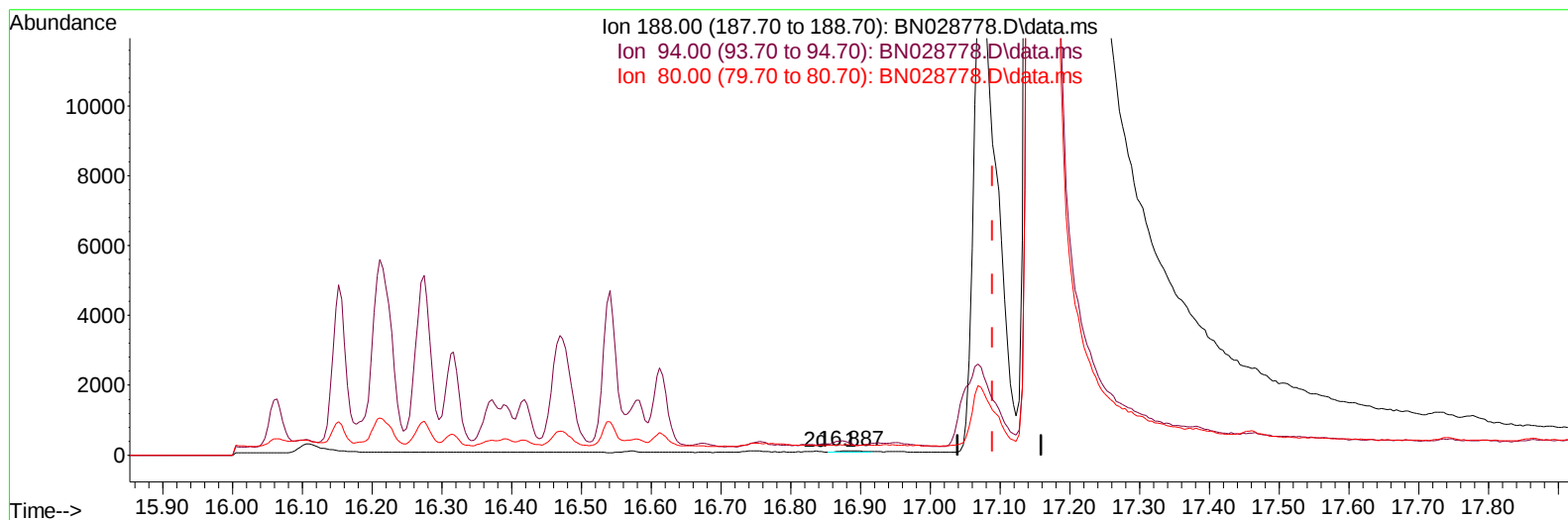
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028778.D
 Acq On : 19 Nov 2023 15:50
 Operator : MA/JU
 Sample : 05370-19
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
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TIC: BN028778.D\data.ms

(13) Phenanthrene-d10 (I)

16.887min (-0.203) 0.40 ng/u1

response 82

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	257.81#
80.00	10.90	226.56#
0.00	0.00	0.00

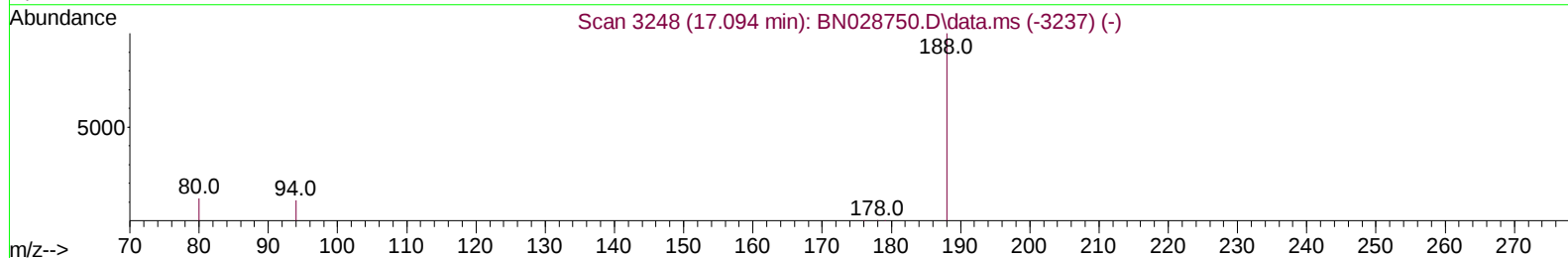
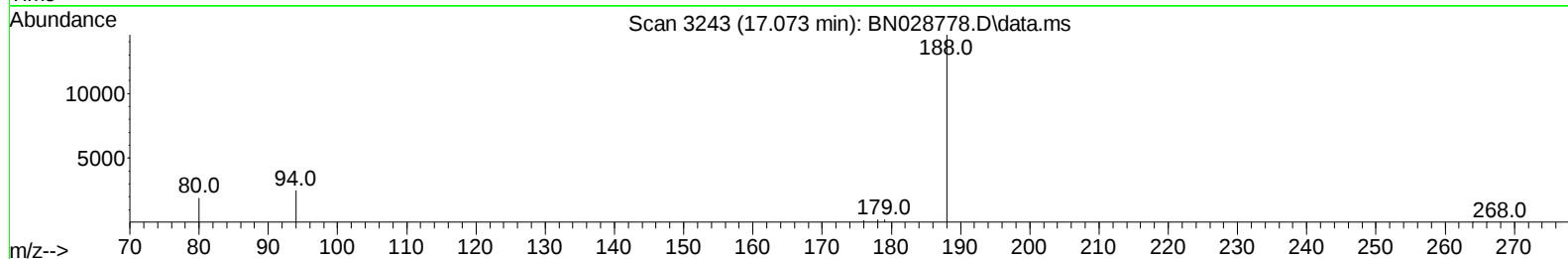
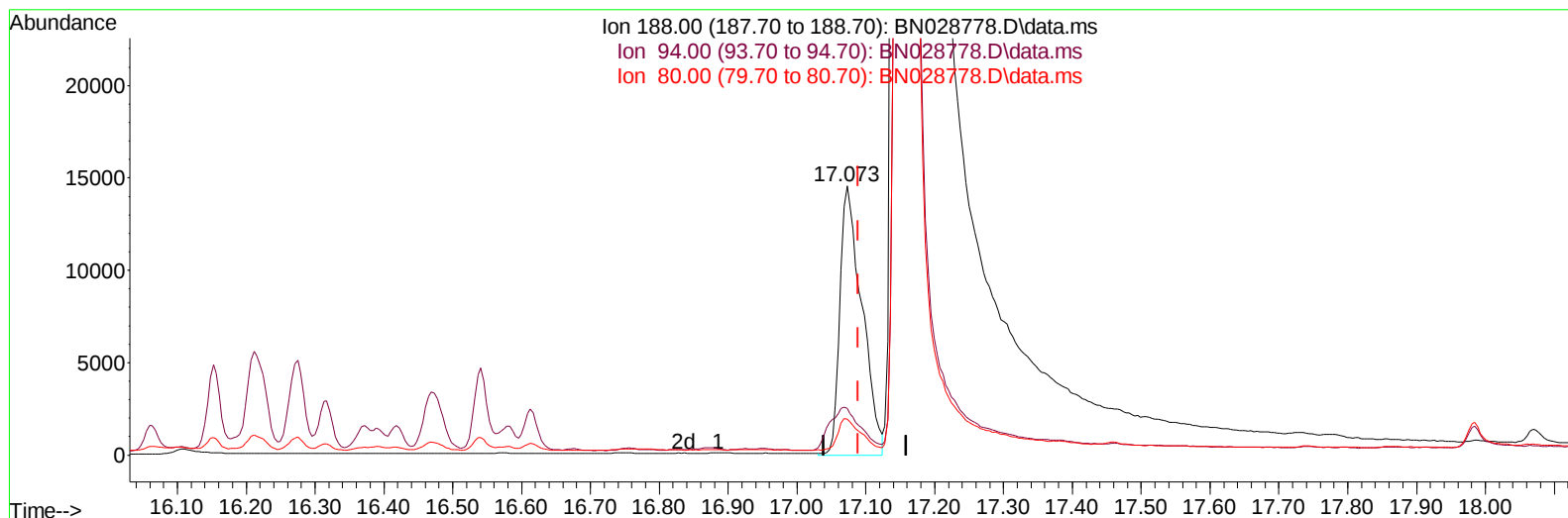
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 Data File : BN028778.D
 Acq On : 19 Nov 2023 15:50
 Operator : MA/JU
 Sample : 05370-19
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 2023
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 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028778.D\data.ms

(13) Phenanthrene-d10 (I)

17.073min (-0.017) 0.40 ng/ul m

response 32222

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	17.24#
80.00	10.90	13.36#
0.00	0.00	0.00

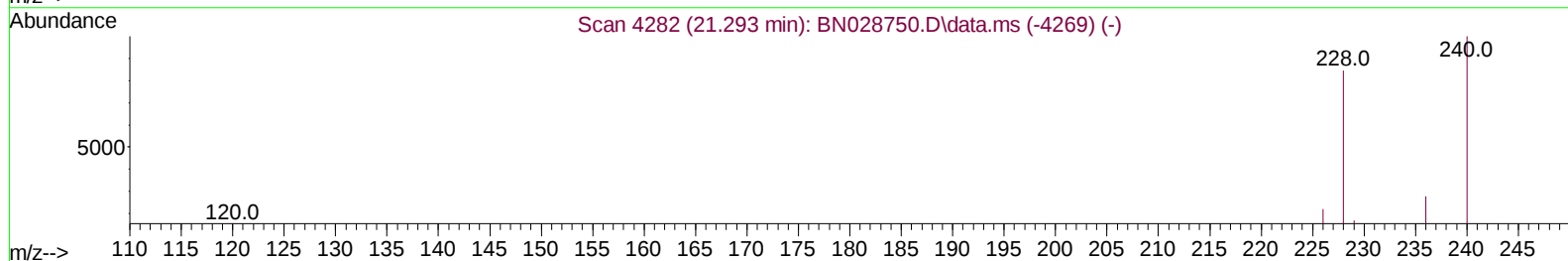
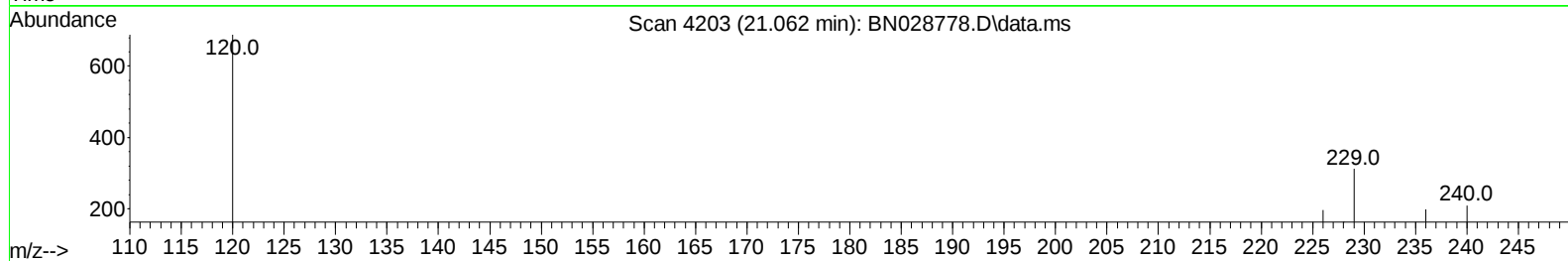
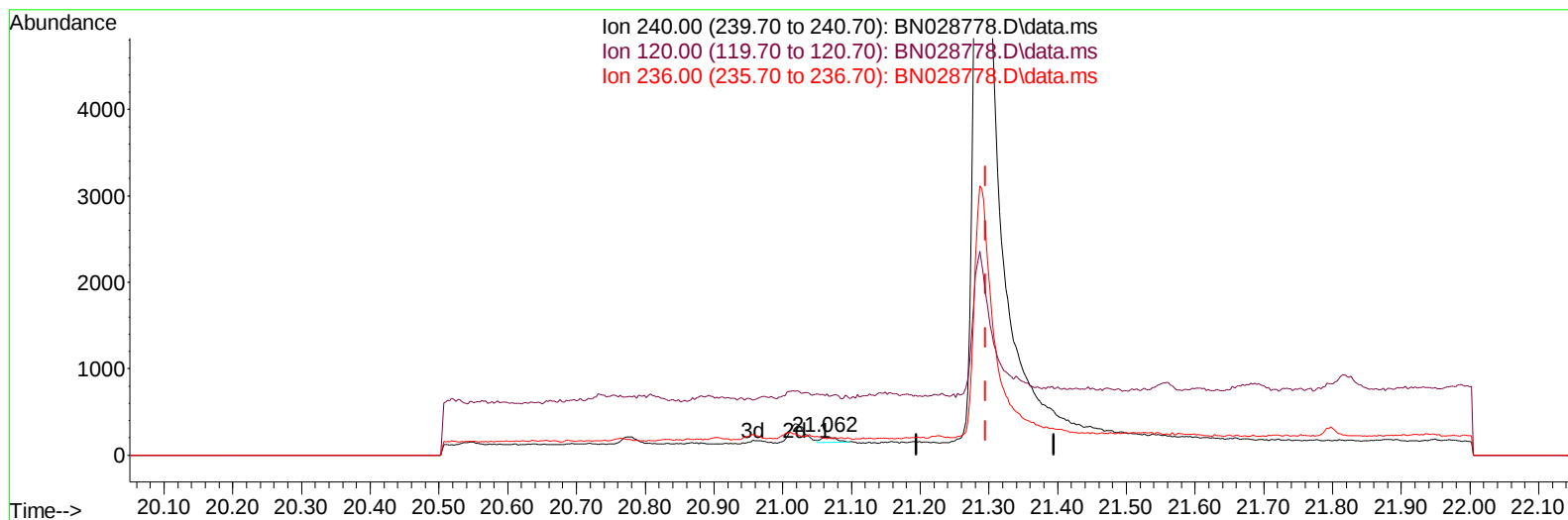
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028778.D
 Acq On : 19 Nov 2023 15:50
 Operator : MA/JU
 Sample : 05370-19
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 2023
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 QLast Update : Mon Nov 20 01:23:26 2023
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 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028778.D\data.ms

(17) Chrysene-d12

21.062min (-0.234) 0.40 ng/u1

response 95

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	327.62#
236.00	28.00	94.76#
0.00	0.00	0.00

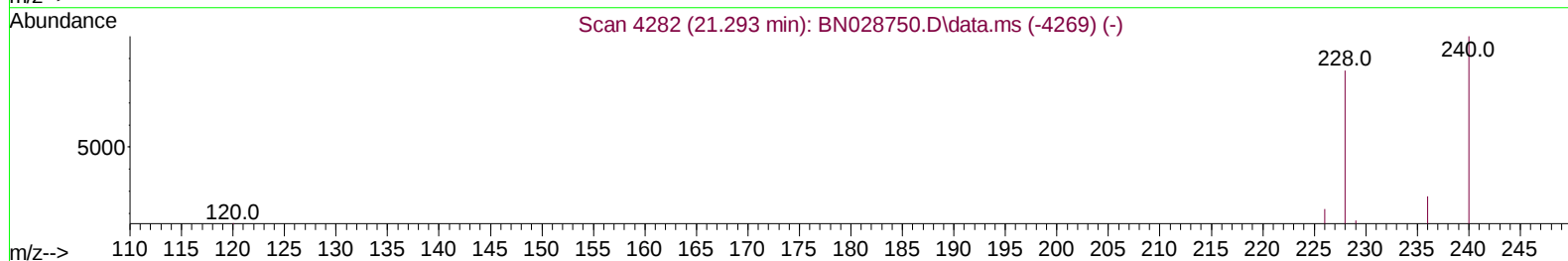
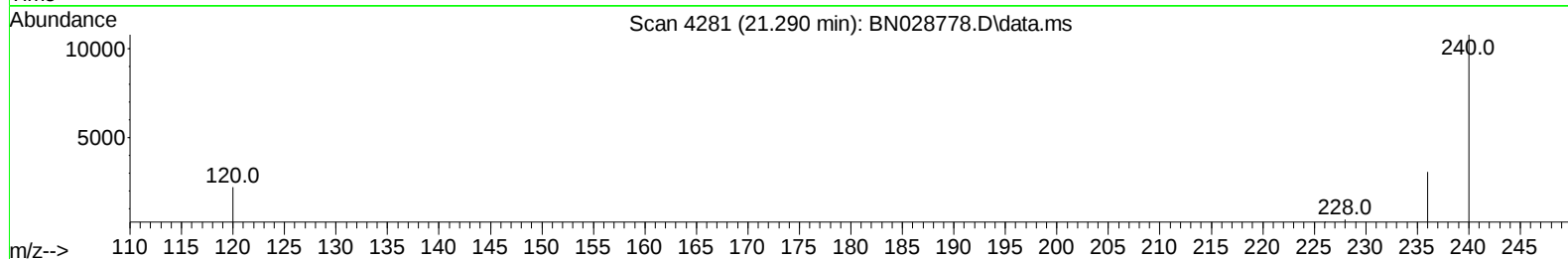
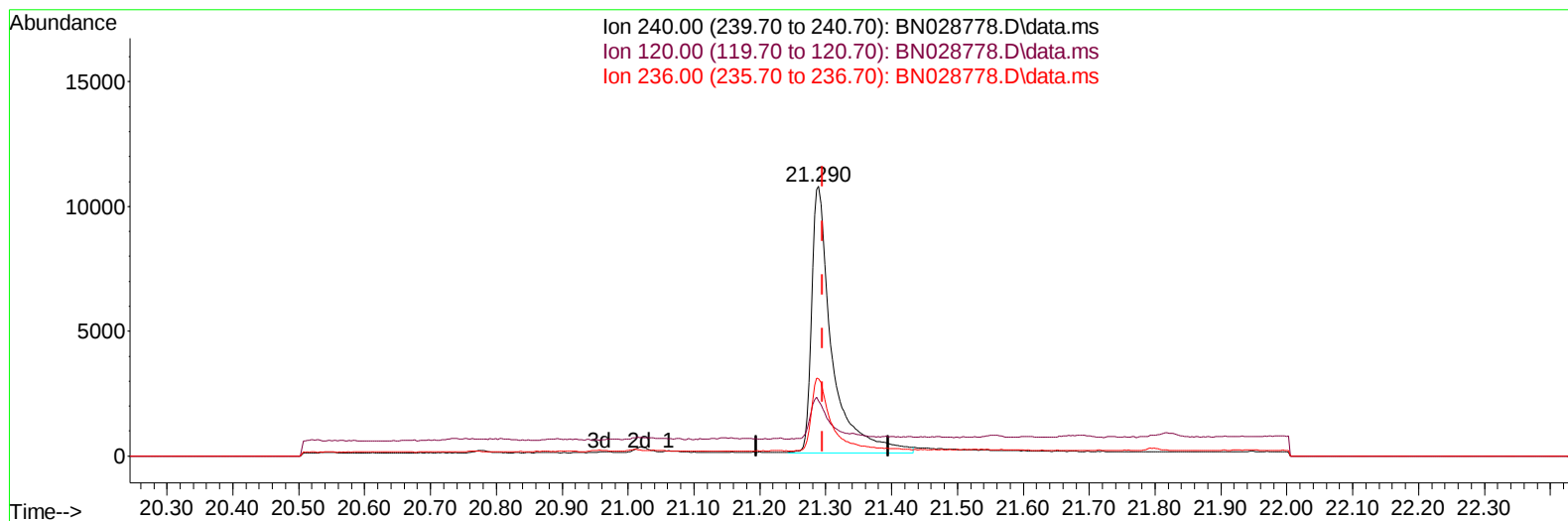
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028778.D
 Acq On : 19 Nov 2023 15:50
 Operator : MA/JU
 Sample : 05370-19
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
 Response via : Initial Calibration

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



TIC: BN028778.D\data.ms

(17) Chrysene-d12

21.290min (-0.006) 0.40 ng/ul m

response 22782

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	20.46#
236.00	28.00	28.56
0.00	0.00	0.00

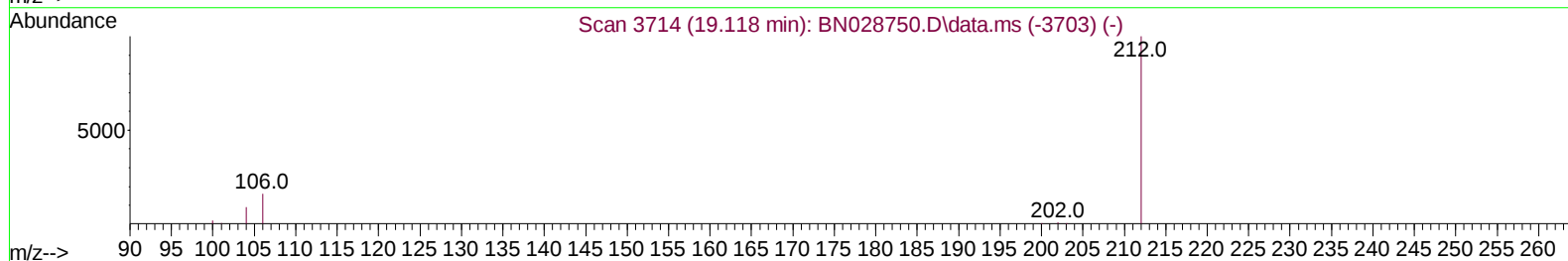
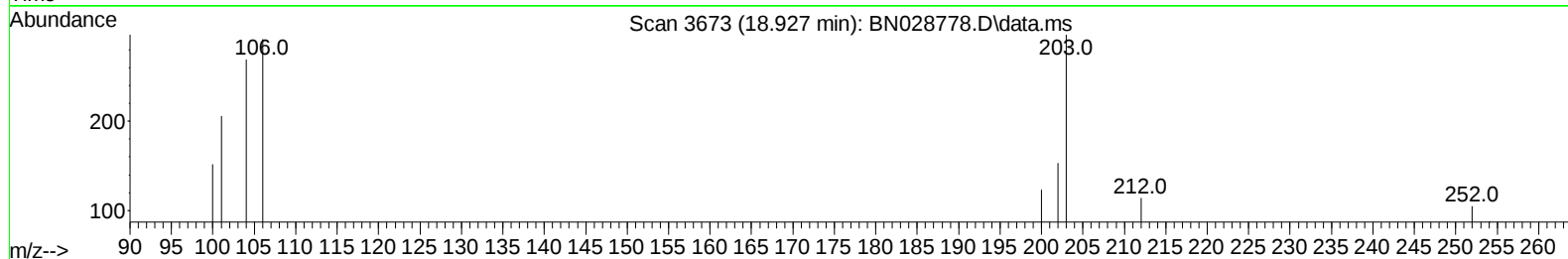
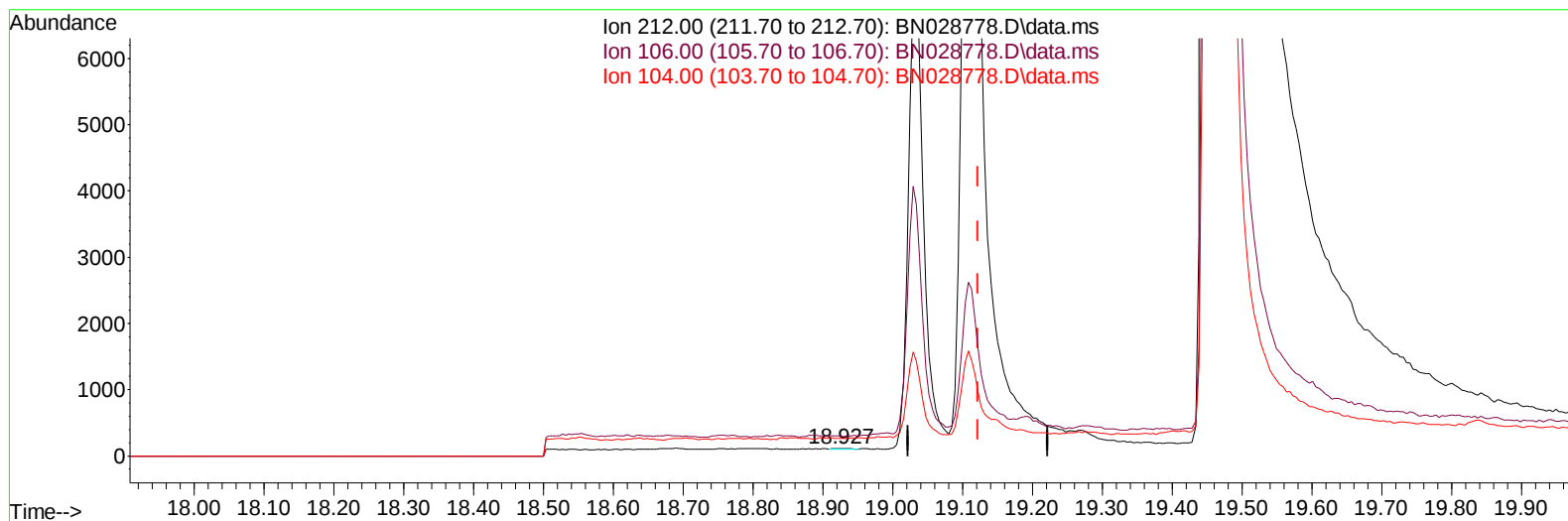
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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



TIC: BN028778.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.927min (-0.195) 0.00 ng/u1

response 16

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	87.50#
104.00	8.30	50.00#
0.00	0.00	0.00

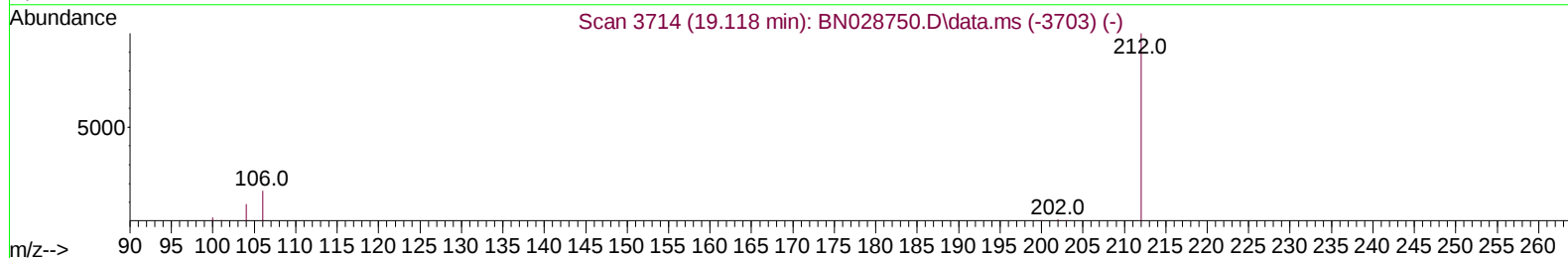
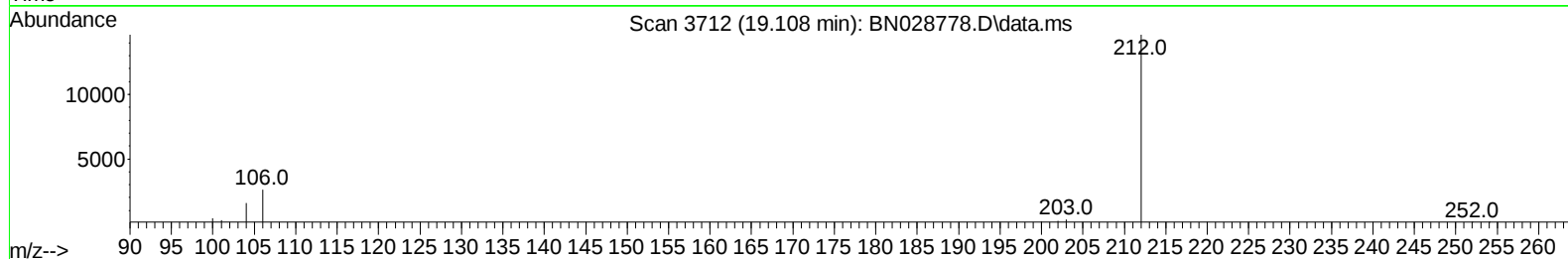
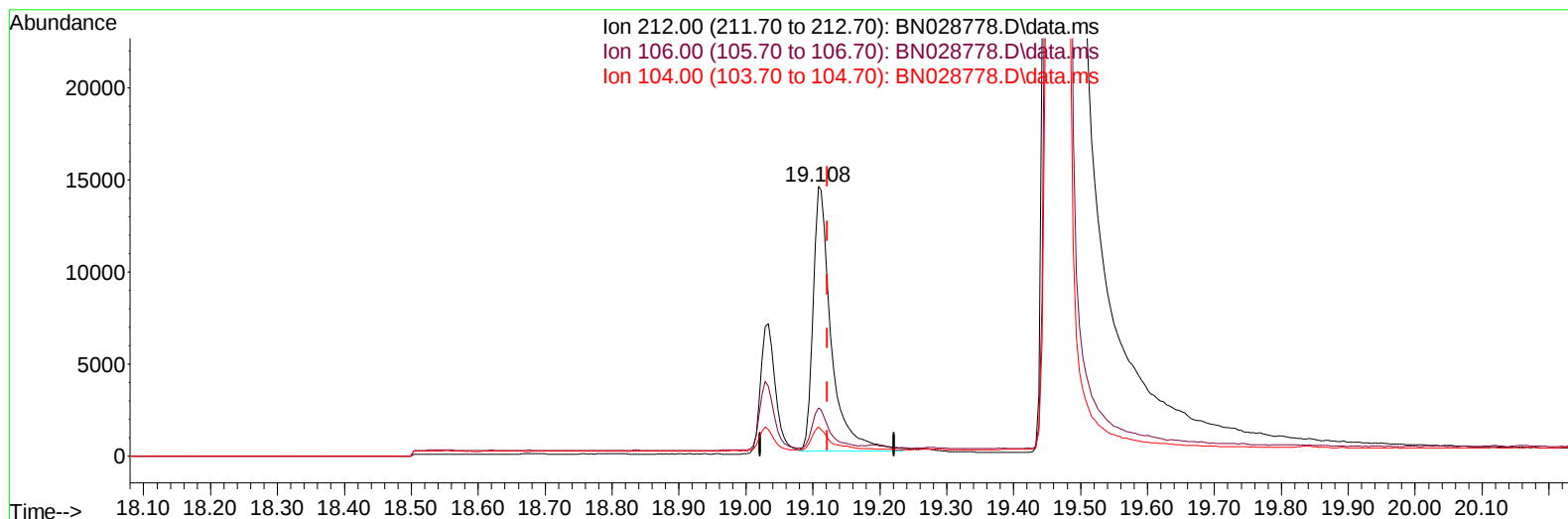
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
Response via : Initial Calibration

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



TIC: BN028778.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.108min (-0.014) 0.38 ng/ul m

response 27557

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	0.05#
104.00	8.30	0.03#
0.00	0.00	0.00

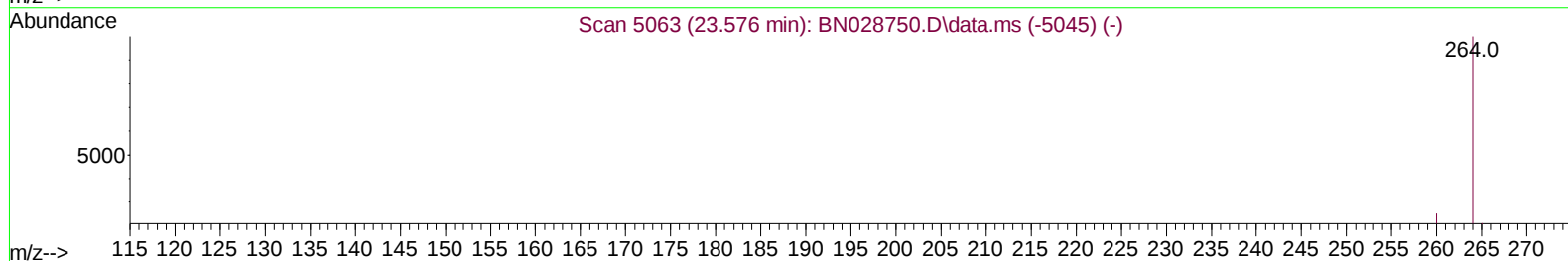
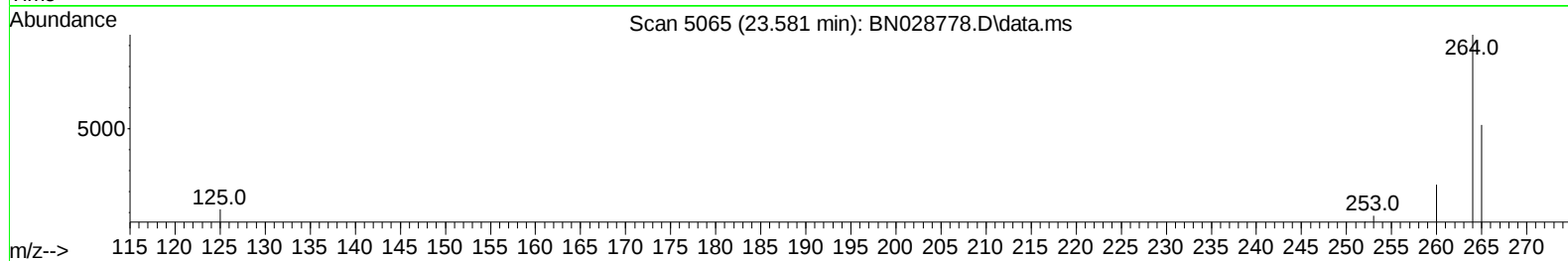
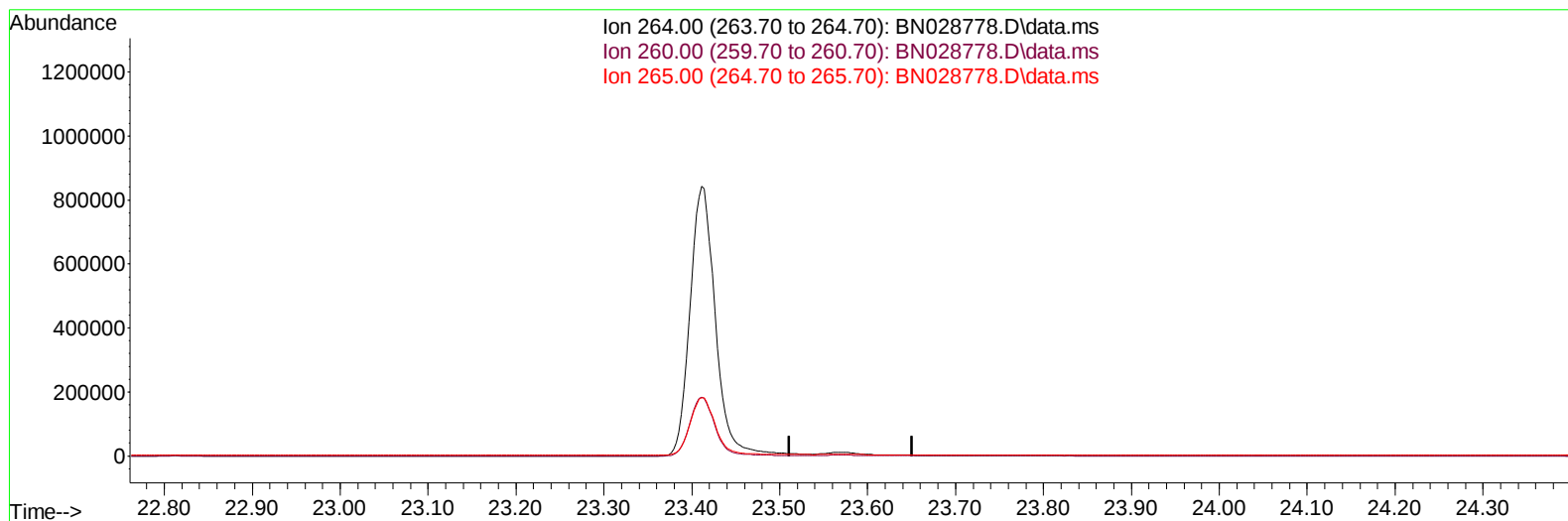
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028778.D
 Acq On : 19 Nov 2023 15:50
 Operator : MA/JU
 Sample : 05370-19
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 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 : Mon Nov 20 01:23:26 2023
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Reviewed By :Yogesh Patel 11/20/2023
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TIC: BN028778.D\data.ms

(23) Perylene-d12 (I)

23.581min (-23.581) 0.00 ng/ul

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

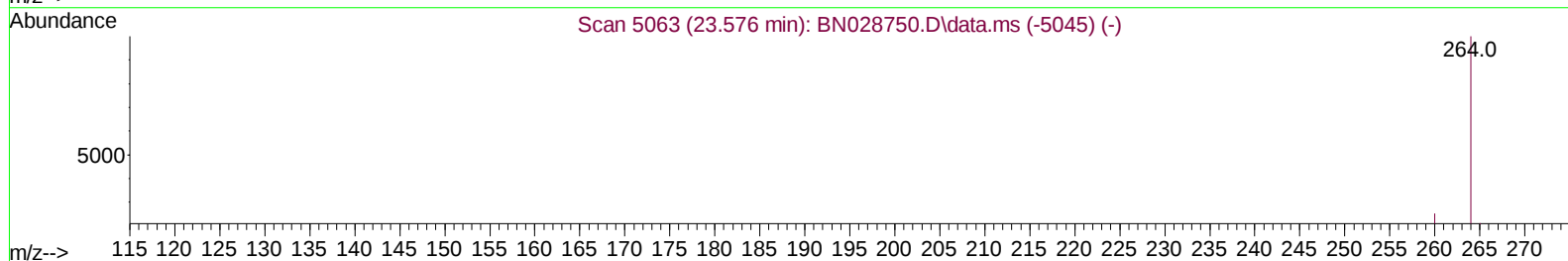
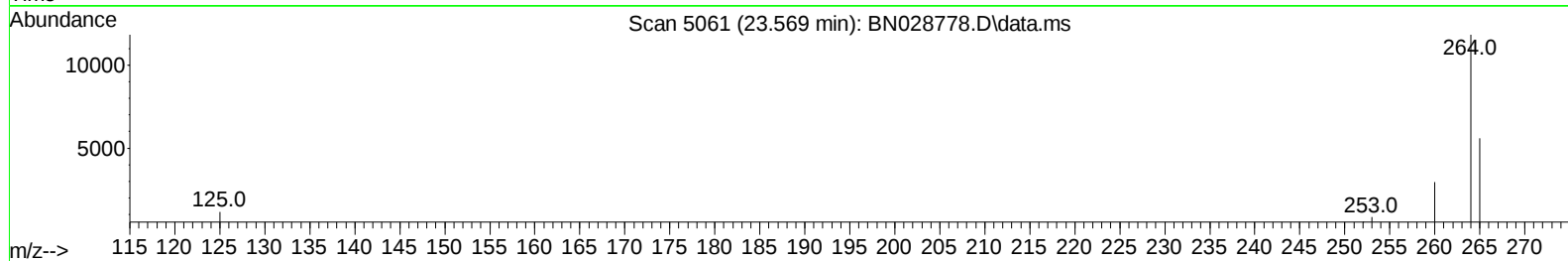
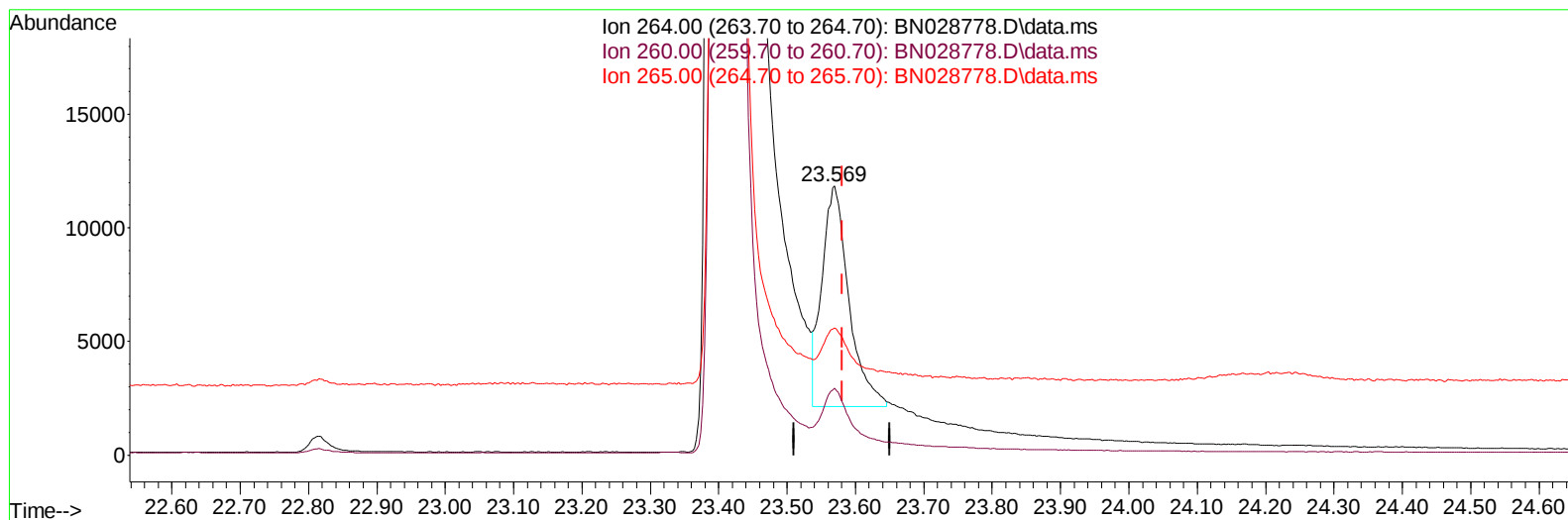
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028778.D
Acq On : 19 Nov 2023 15:50
Operator : MA/JU
Sample : 05370-19
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDR3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 02:06:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
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TIC: BN028778.D\data.ms

(23) Perylene-d12 (I)

23.569min (-0.012) 0.40 ng/ul m

response 26488

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	24.78
265.00	38.80	47.30#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028778.D
 Acq On : 19 Nov 2023 15:50
 Operator : MA/JU
 Sample : 05370-19
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDR3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/20/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.723	152	7499m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.468	136	28663m	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.311	164	17510m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.073	188	32222m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.290	240	22782m	0.400	ng/ul	0.00
23) Perylene-d12	23.569	264	26488m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.112	96	31150	3.758	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.101	152	7590m	0.176	ng/ul	-0.01
18) Fluoranthene-d10	19.108	212	27557m	0.376	ng/ul	-0.01

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

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Manual IntegrationsAPPROVED

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