

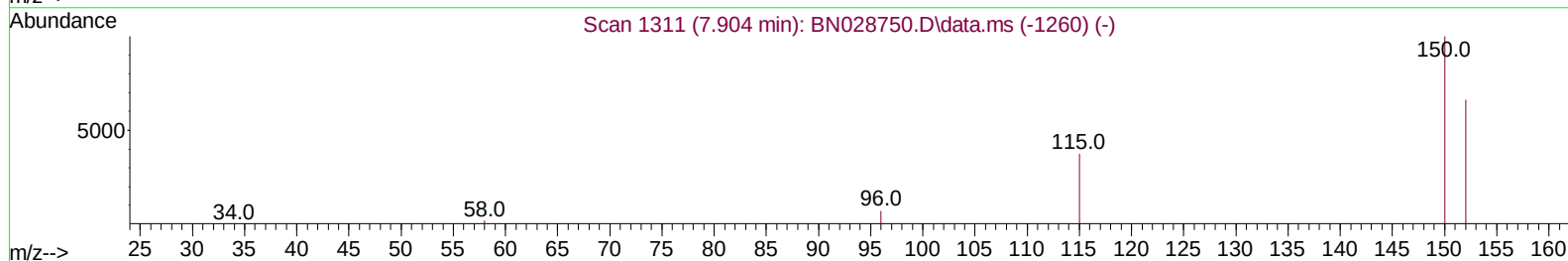
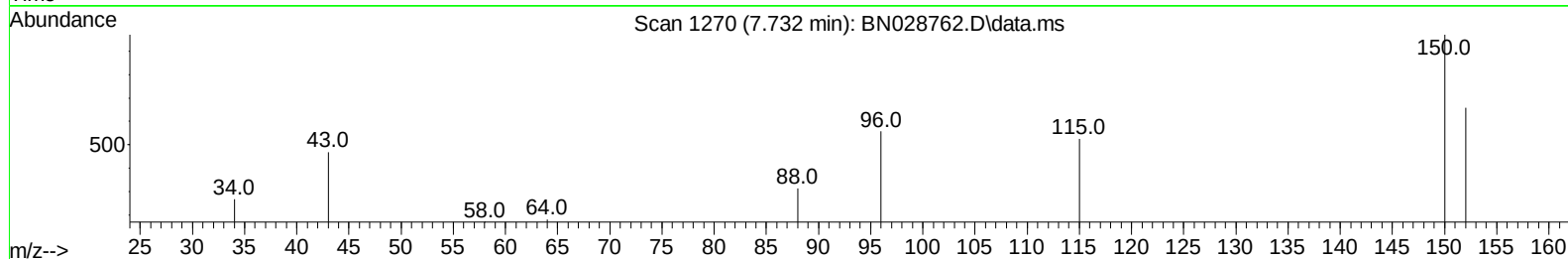
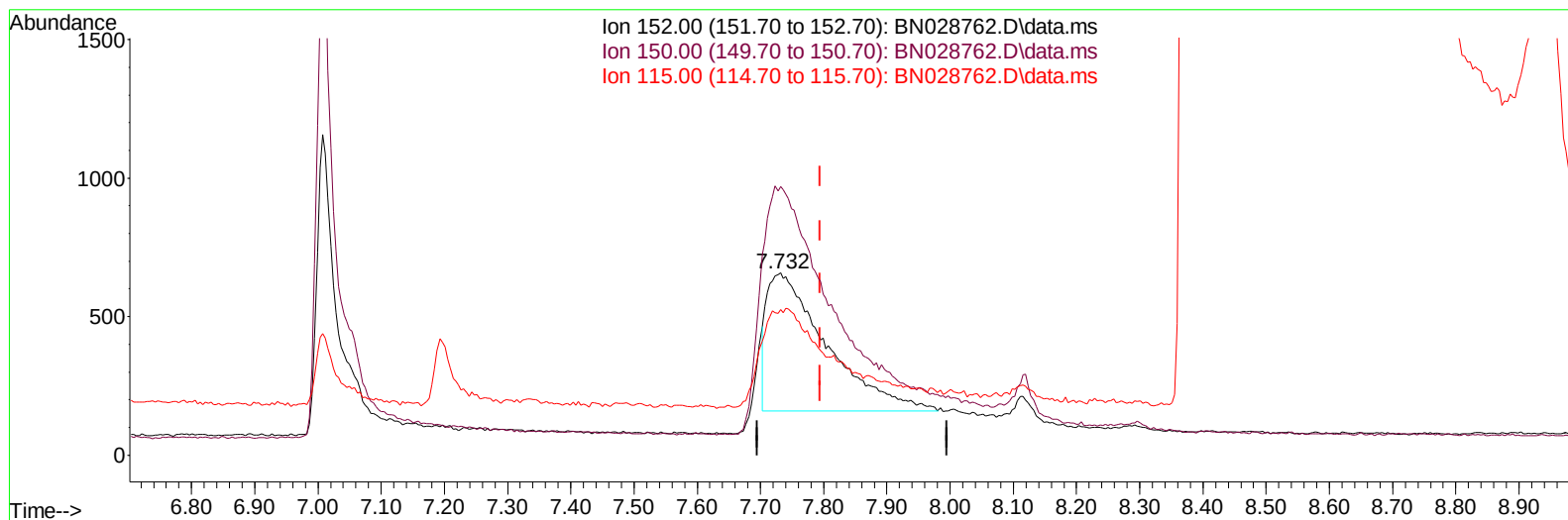
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028762.D
Acq On : 19 Nov 2023 05:41
Operator : MA/JU
Sample : 05370-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 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: BN028762.D\data.ms

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

7.732min (-0.063) 0.40 ng/ul

response 3274

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	147.42
115.00	62.20	79.94#
0.00	0.00	0.00

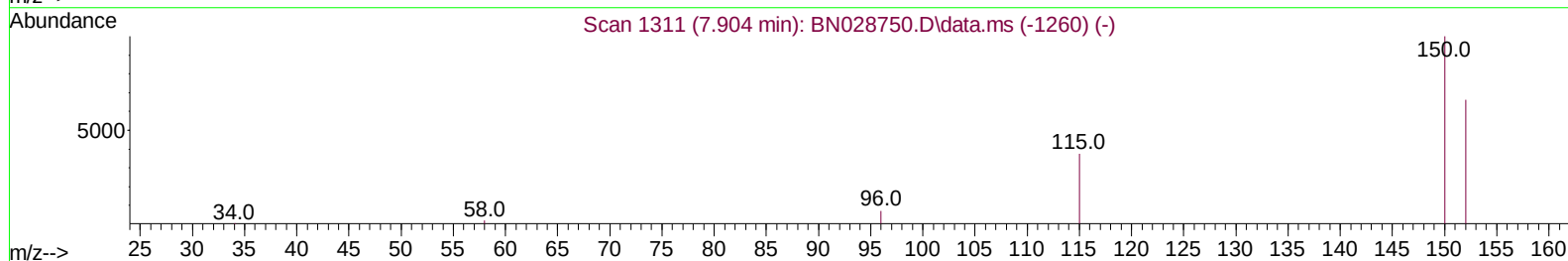
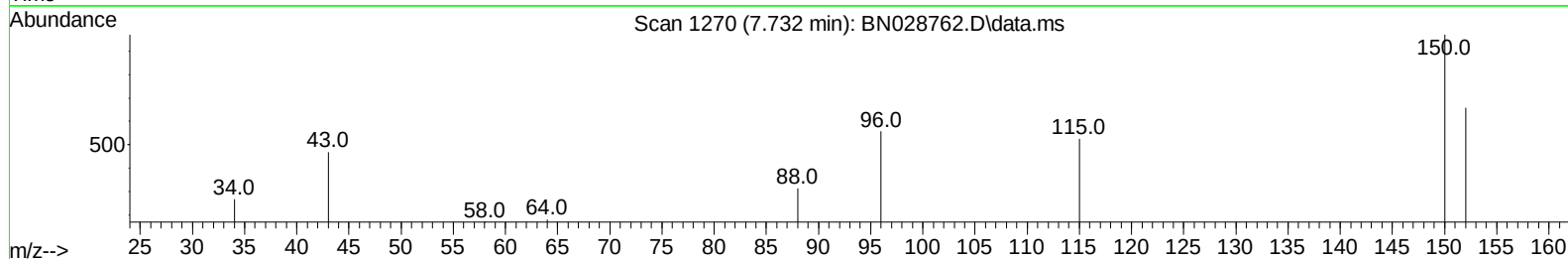
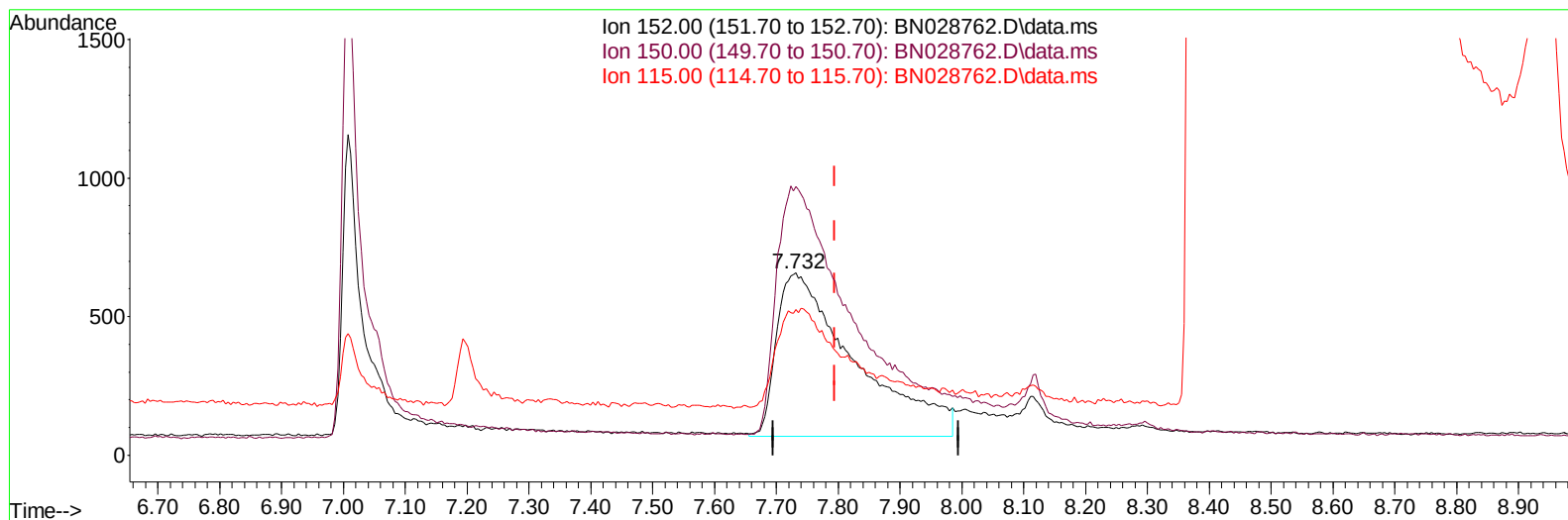
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028762.D
Acq On : 19 Nov 2023 05:41
Operator : MA/JU
Sample : 05370-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 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 11/20/2023
Supervised By :mohammad ahmed 11/20/2023



TIC: BN028762.D\data.ms

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

7.732min (-0.063) 0.40 ng/ul m

response 5197

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	147.42
115.00	62.20	79.94#
0.00	0.00	0.00

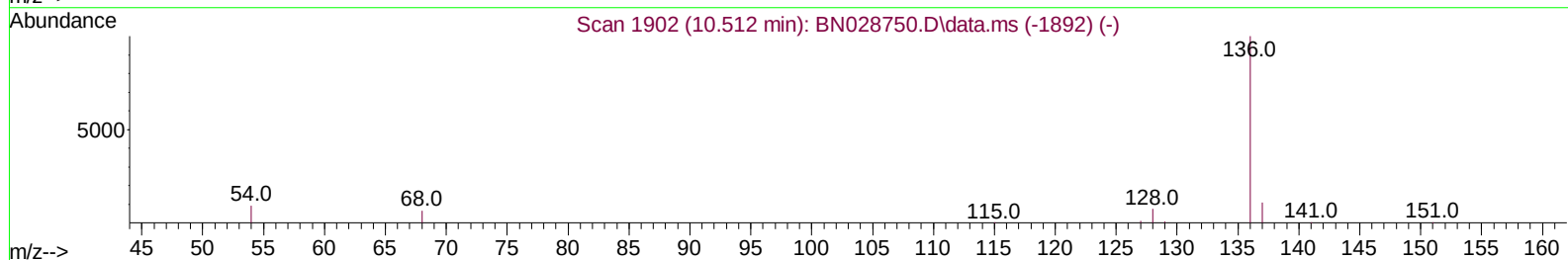
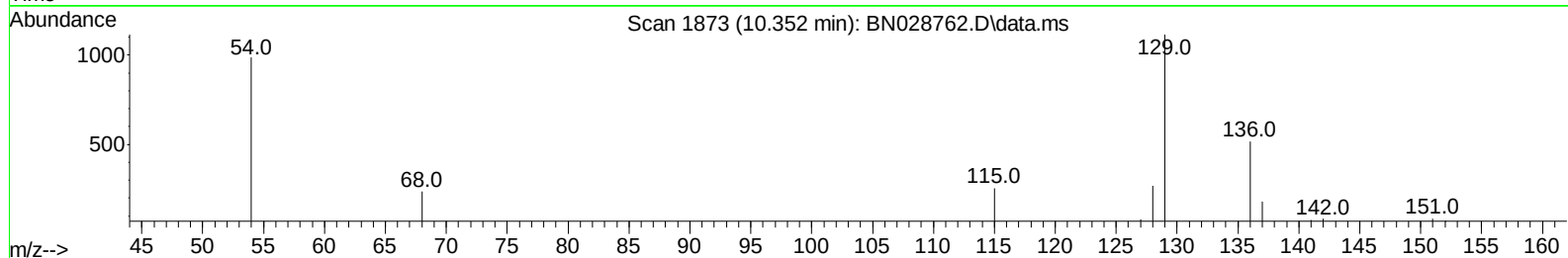
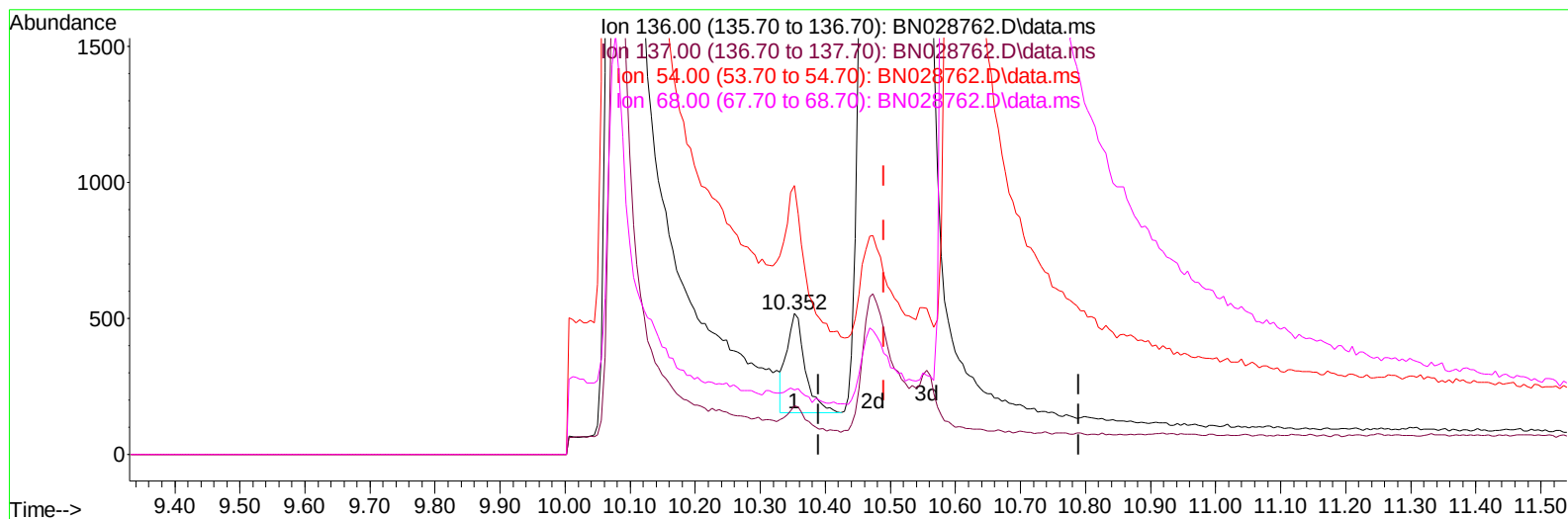
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028762.D
Acq On : 19 Nov 2023 05:41
Operator : MA/JU
Sample : 05370-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 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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Supervised By :mohammad ahmed 11/20/2023



TIC: BN028762.D\data.ms

(4) Naphthalene-d8 (I)

10.352min (-0.137) 0.40 ng/u1

response 721

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	34.62#
54.00	9.00	191.10#
68.00	7.10	45.84#

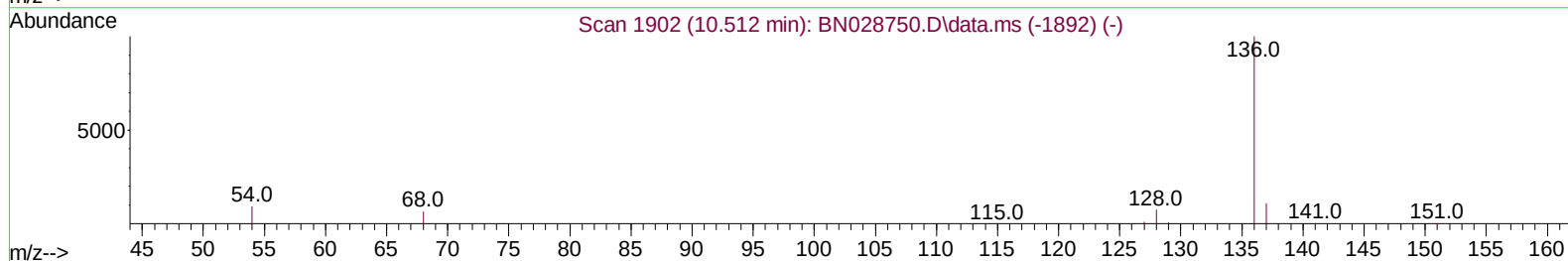
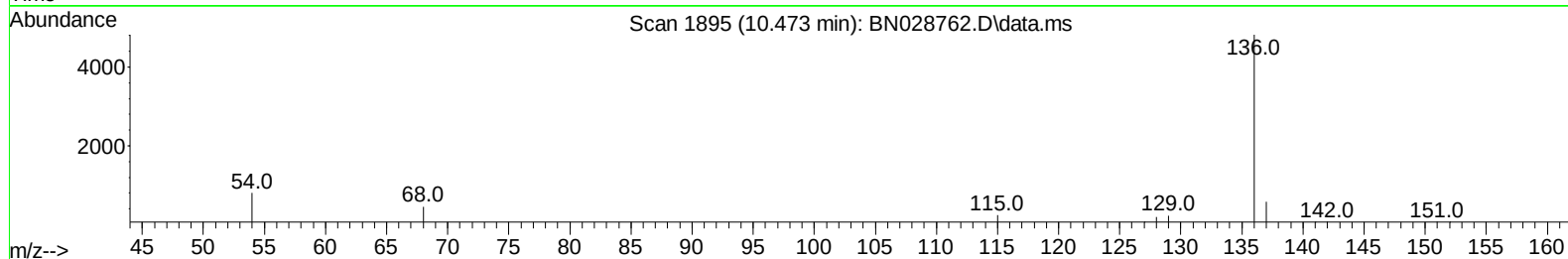
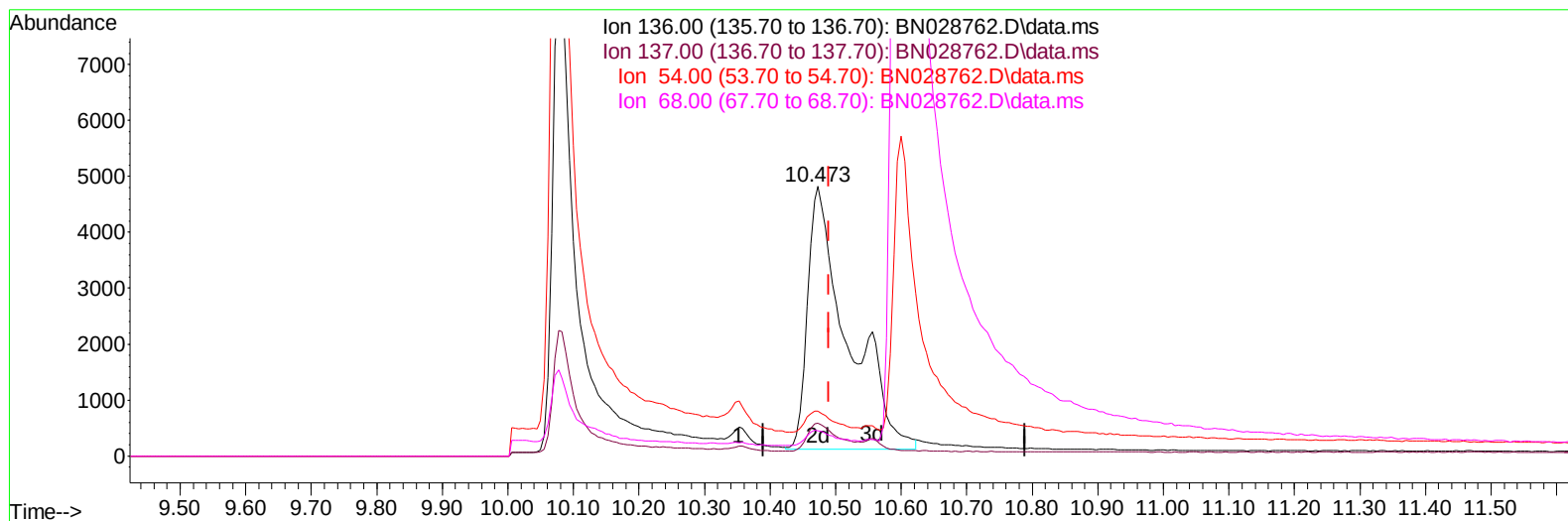
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 2023
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 QLast Update : Fri Nov 17 09:39:27 2023
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Reviewed By :Yogesh Patel 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028762.D\data.ms

(4) Naphthalene-d8 (I)

10.473min (-0.016) 0.40 ng/ul m

response 19904

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	12.24
54.00	9.00	16.68#
68.00	7.10	9.44#

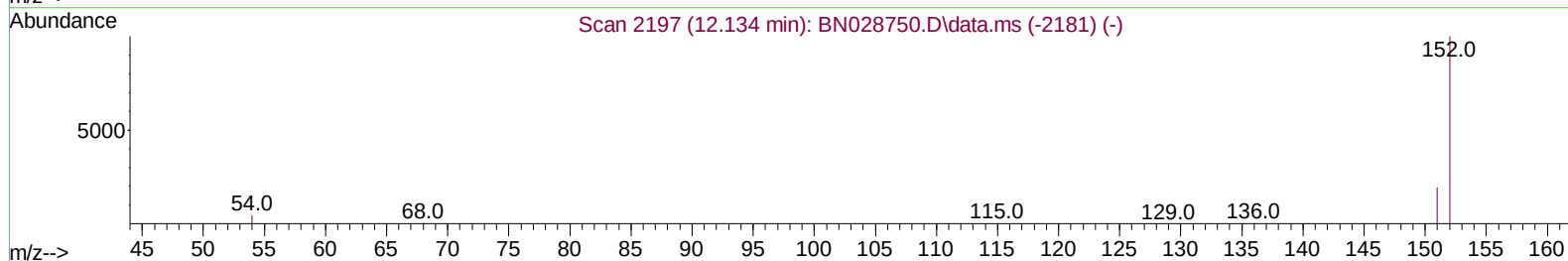
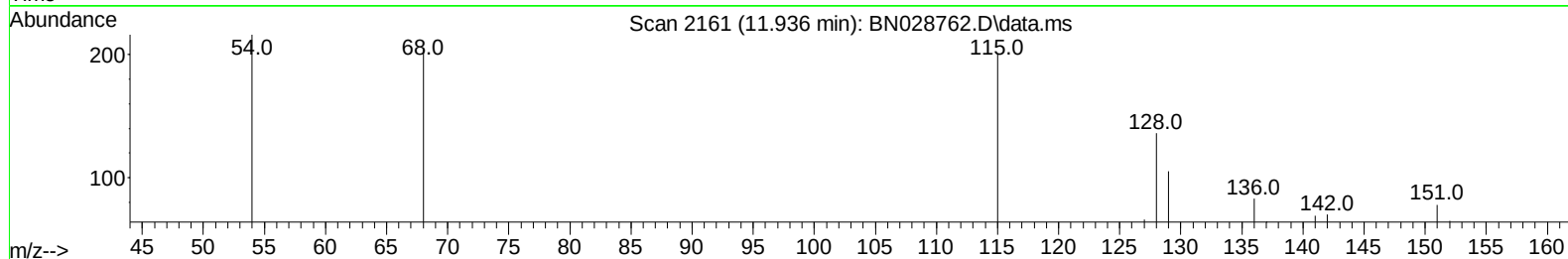
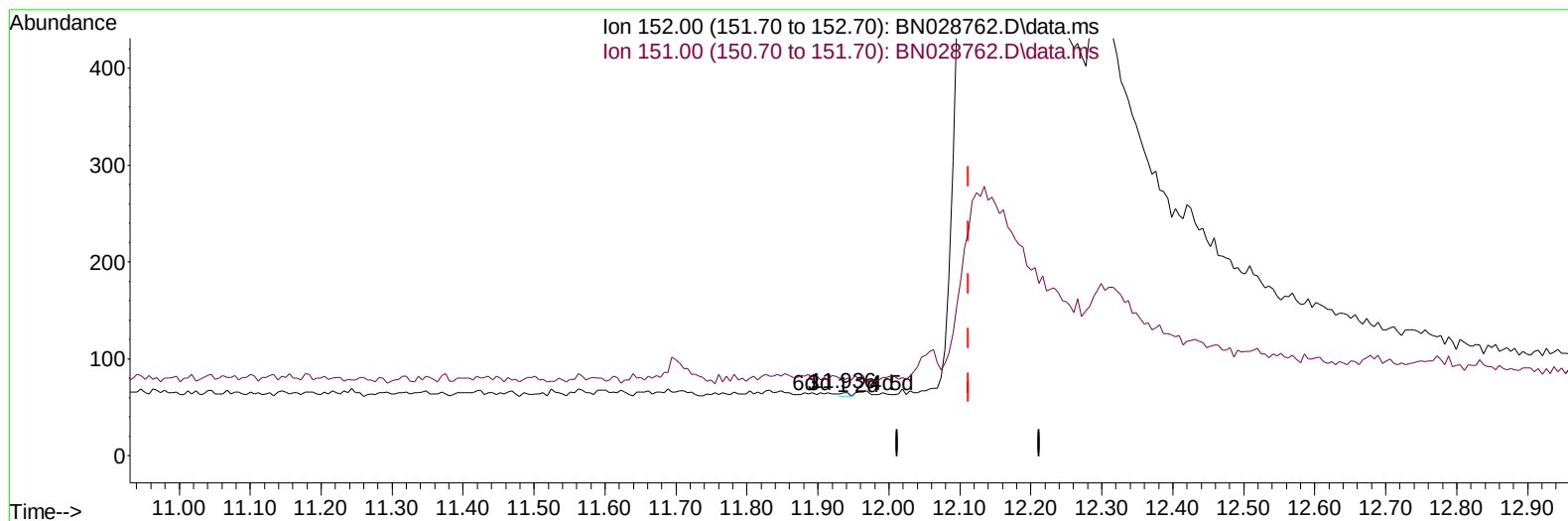
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 2023
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TIC: BN028762.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

11.936min (-0.176) 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

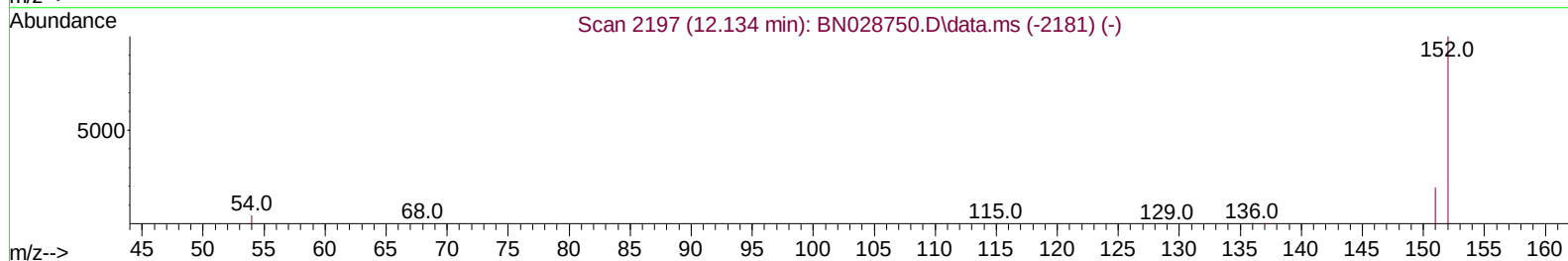
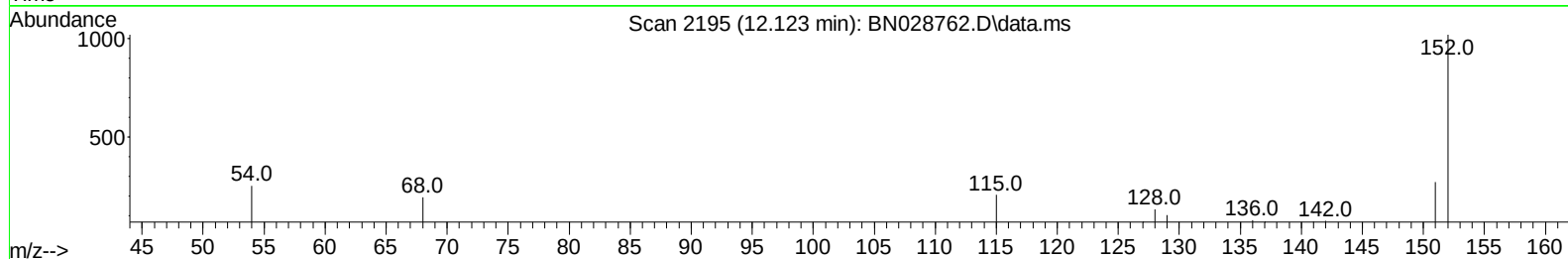
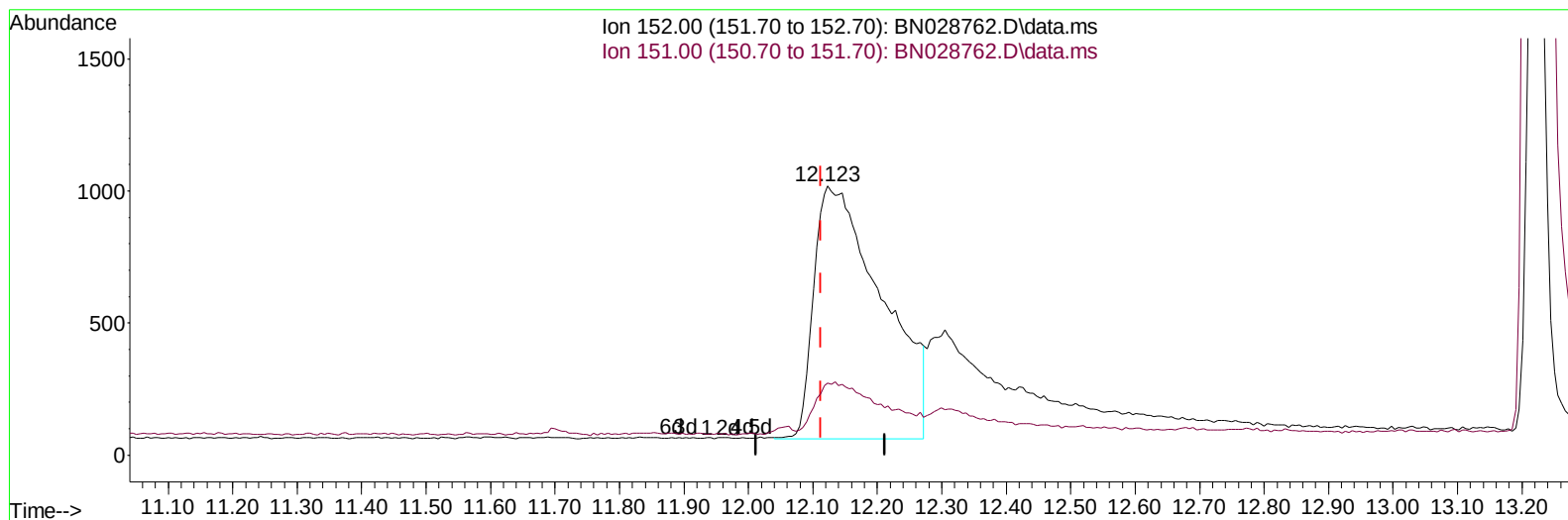
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 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 2023
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TIC: BN028762.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.123min (+ 0.011) 0.23 ng/ul m

response 7035

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

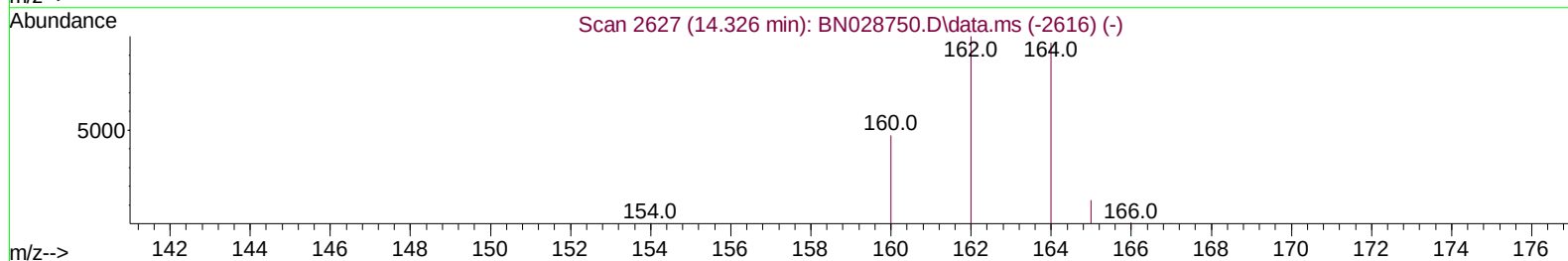
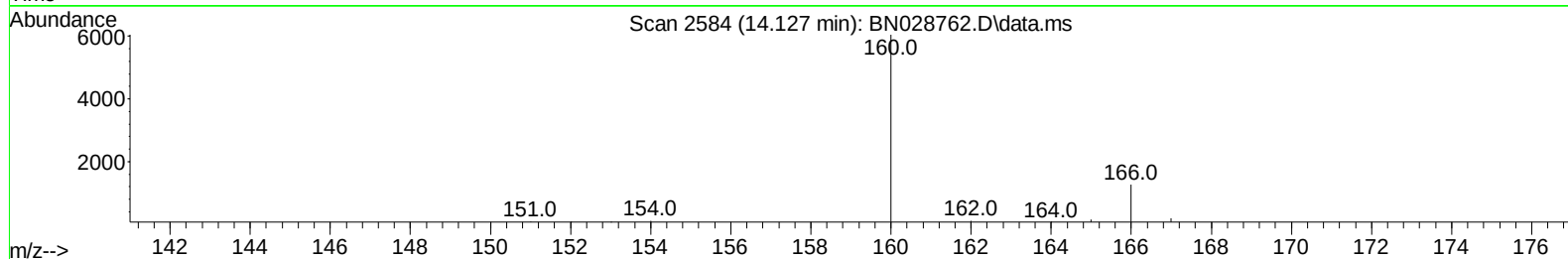
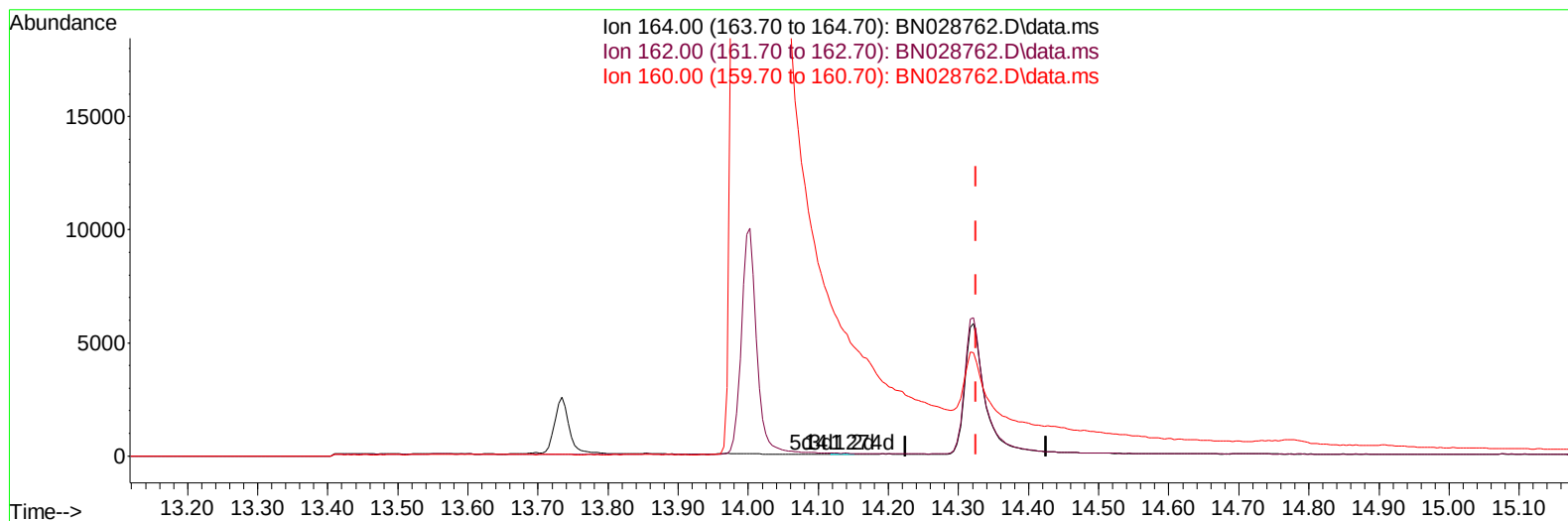
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 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

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TIC: BN028762.D\data.ms

(9) Acenaphthene-d10 (I)

14.127min (-0.198) 0.40 ng/u1

response 10

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	139.29#
160.00	49.20	7198.81#
0.00	0.00	0.00

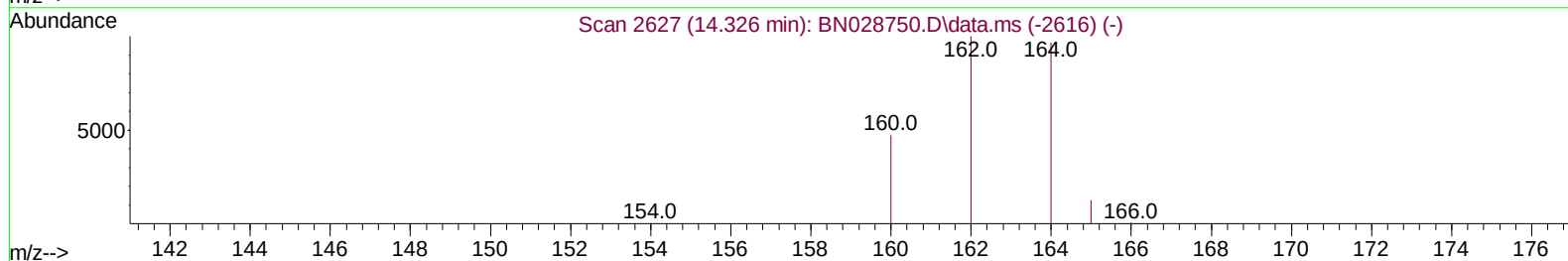
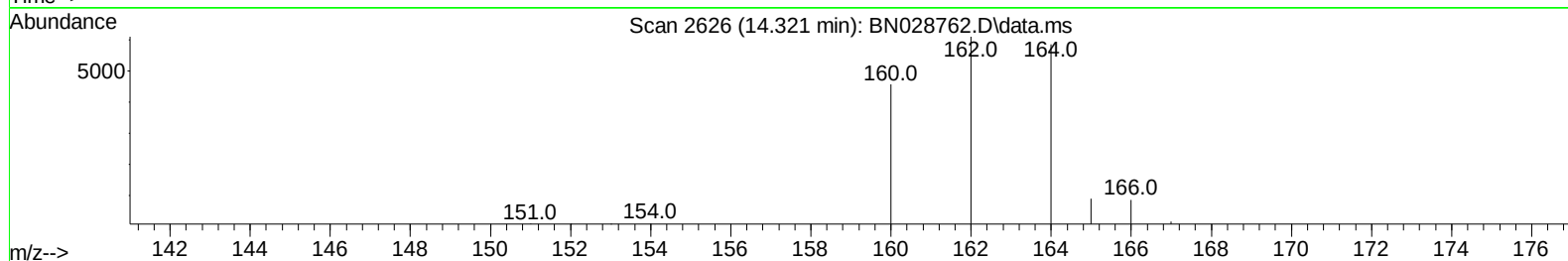
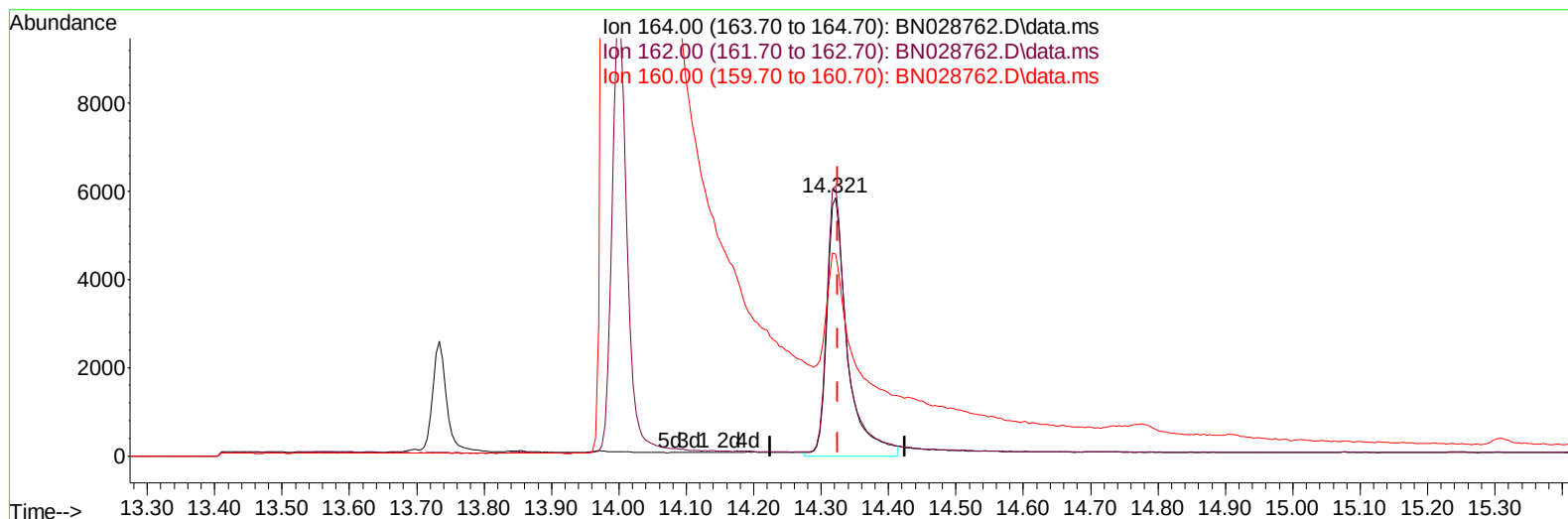
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 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 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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Reviewed By :Yogesh Patel 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028762.D\data.ms

(9) Acenaphthene-d10 (I)

14.321min (-0.004) 0.40 ng/ul m

response 12295

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	104.29
160.00	49.20	78.09#
0.00	0.00	0.00

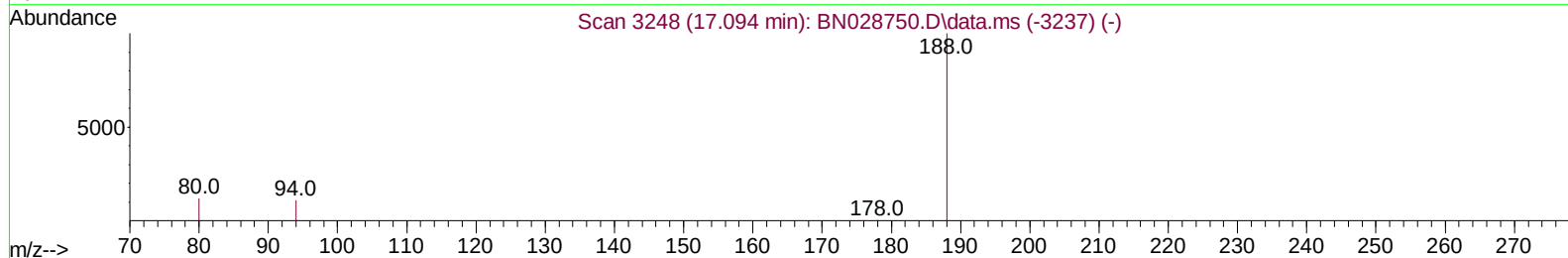
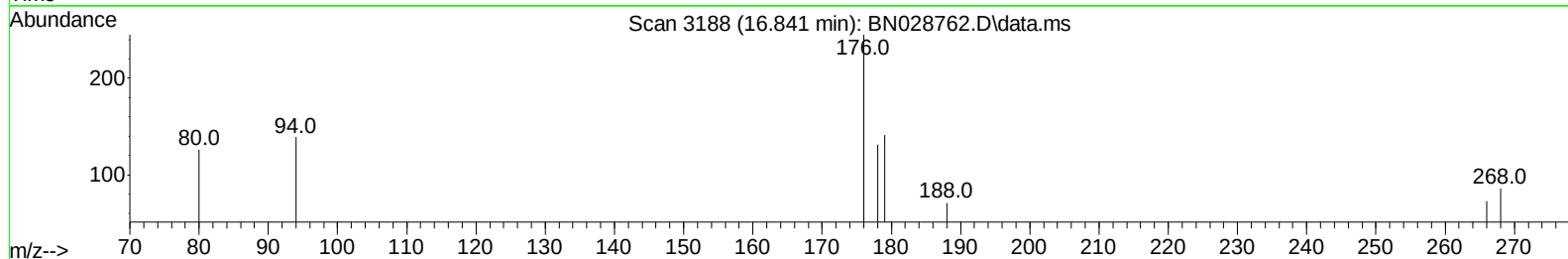
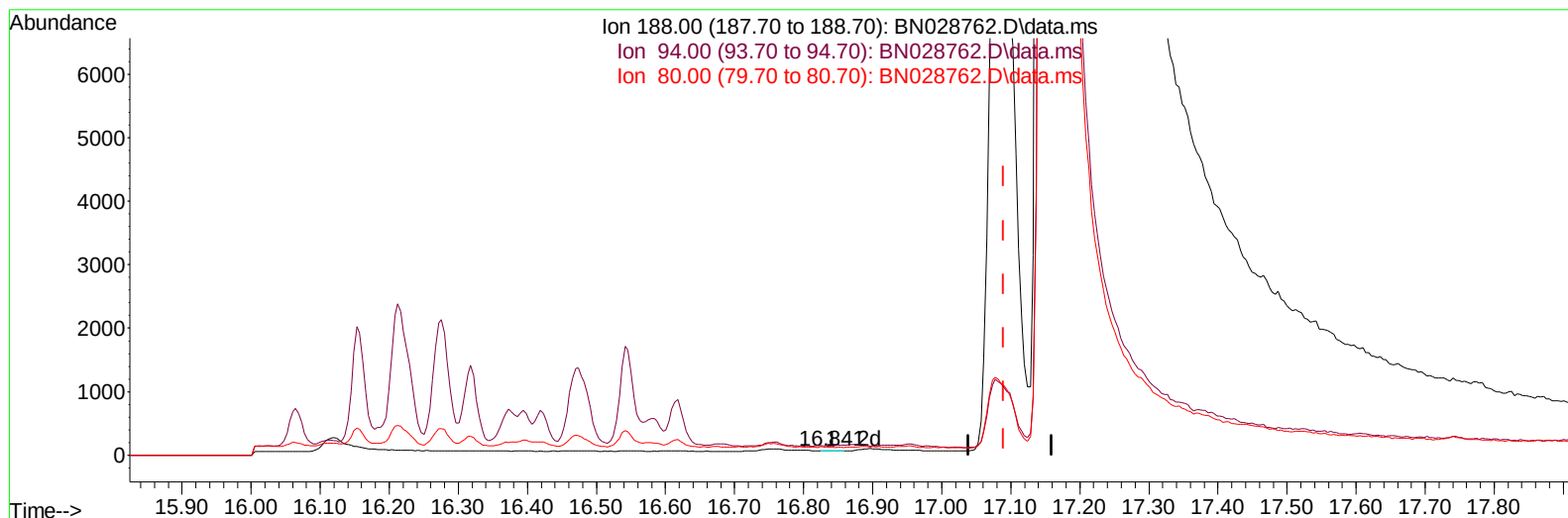
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
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TIC: BN028762.D\data.ms

(13) Phenanthrene-d10 (I)

16.841min (-0.248) 0.40 ng/u1

response 6

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	195.77#
80.00	10.90	177.46#
0.00	0.00	0.00

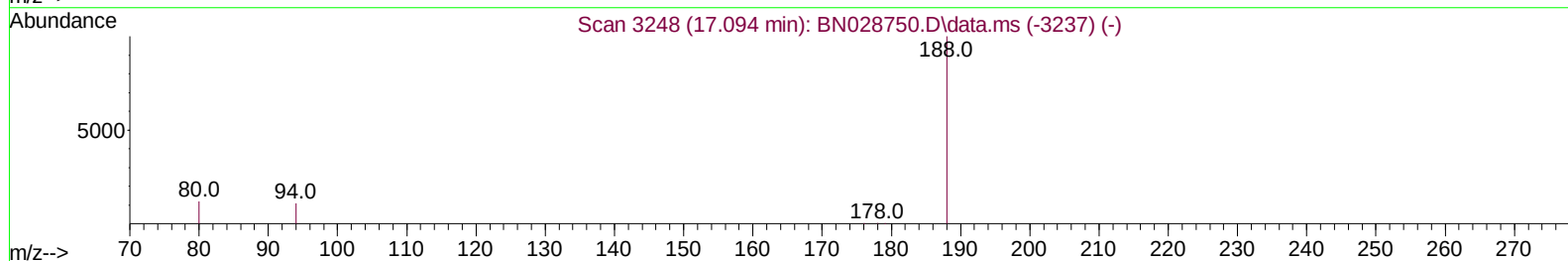
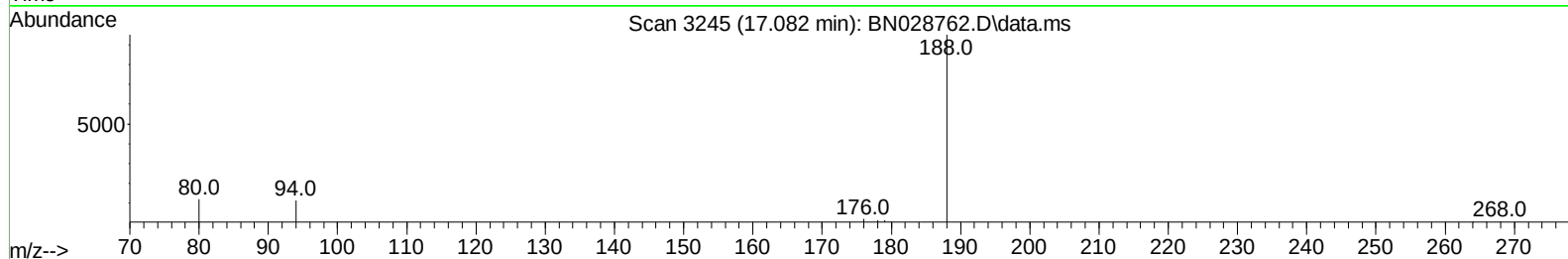
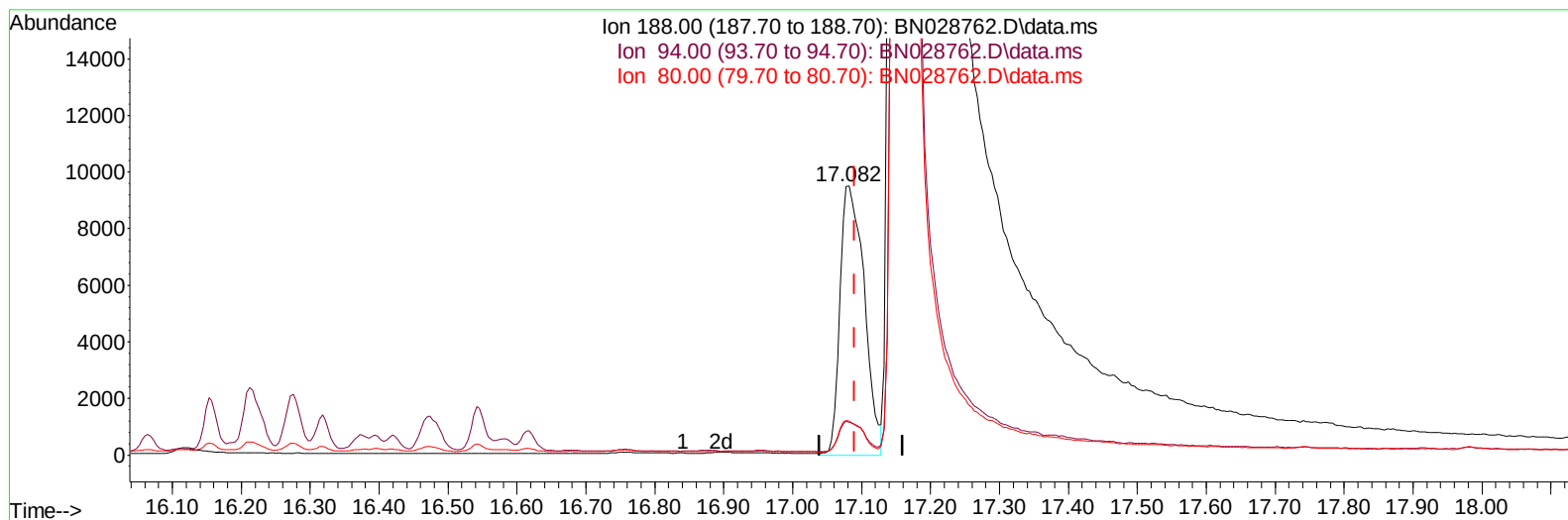
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Data File : BN028762.D
Acq On : 19 Nov 2023 05:41
Operator : MA/JU
Sample : 05370-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
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Reviewed By :Yogesh Patel 11/20/2023
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TIC: BN028762.D\data.ms

(13) Phenanthrene-d10 (I)

17.082min (-0.008) 0.40 ng/ul m

response 23323

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	12.13#
80.00	10.90	12.61
0.00	0.00	0.00

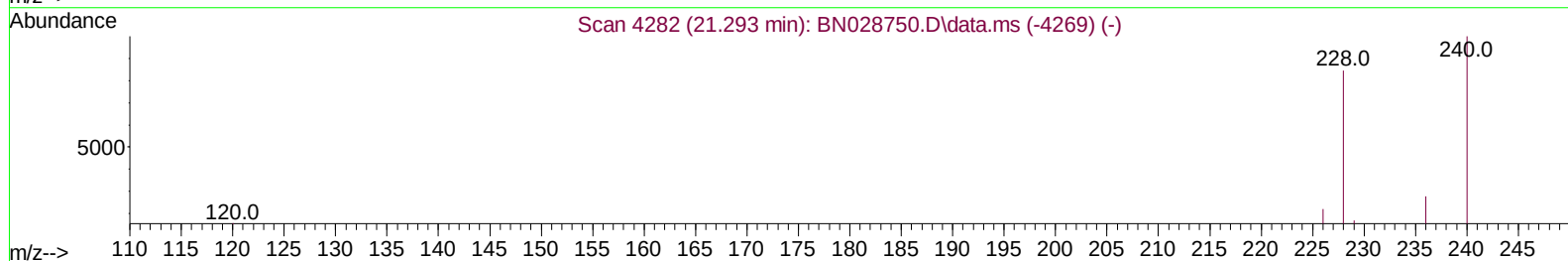
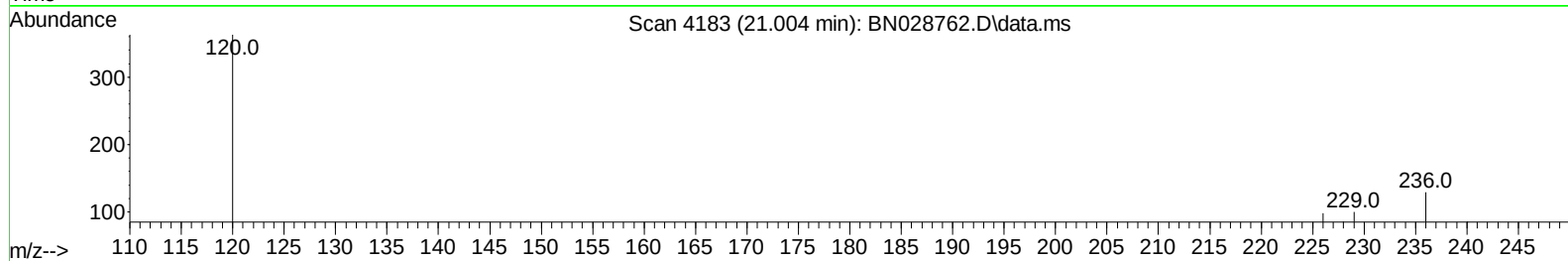
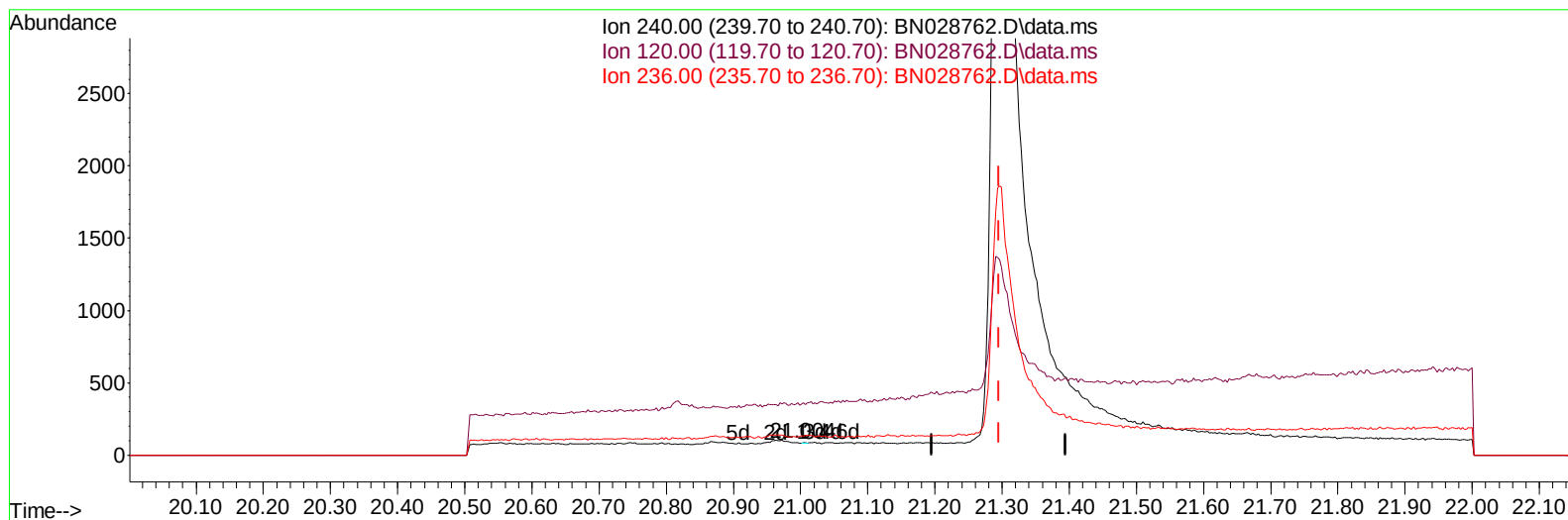
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028762.D
Acq On : 19 Nov 2023 05:41
Operator : MA/JU
Sample : 05370-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ3

Manual IntegrationsAPPROVED

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TIC: BN028762.D\data.ms

(17) Chrysene-d12

21.004min (-0.291) 0.40 ng/u1

response 2

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	427.06#
236.00	28.00	151.76#
0.00	0.00	0.00

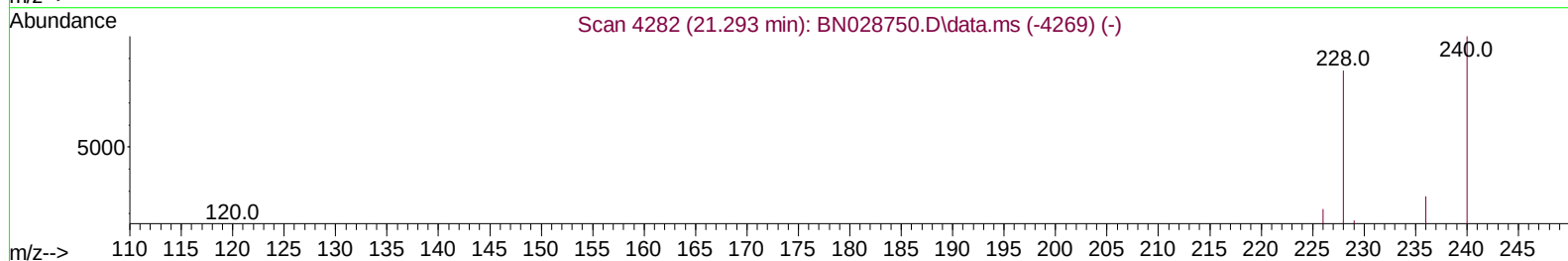
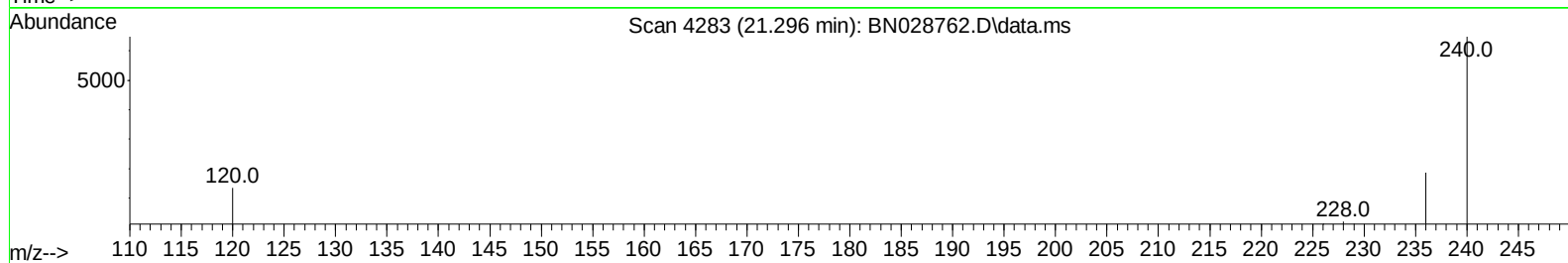
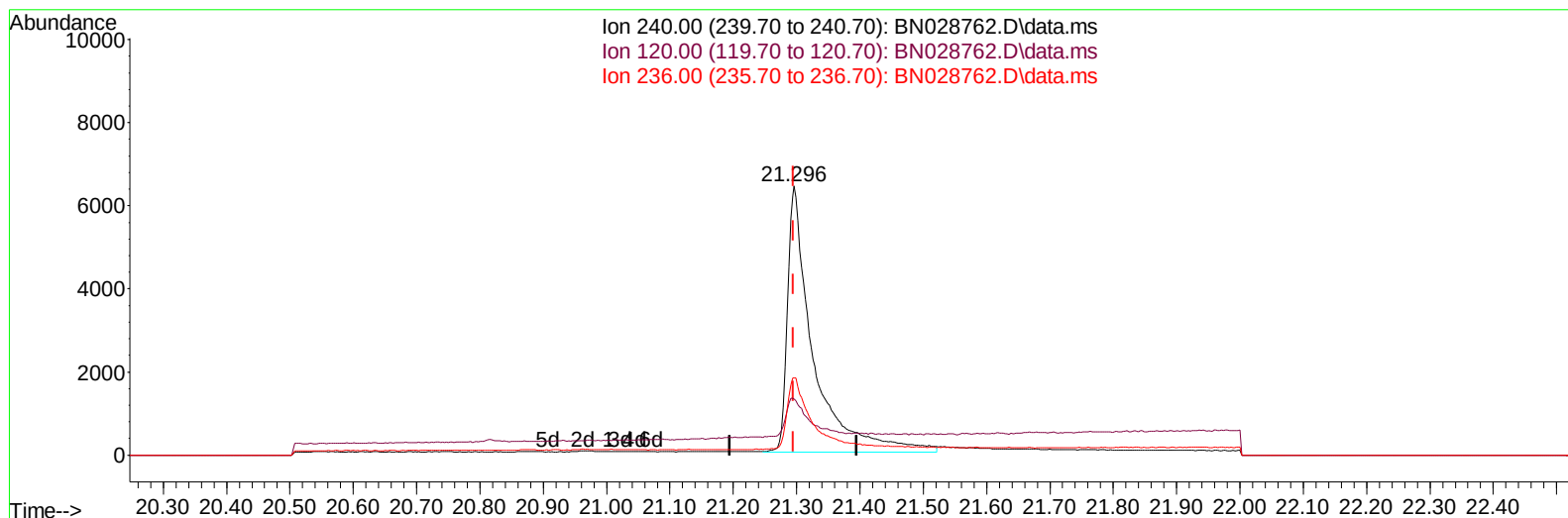
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

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



TIC: BN028762.D\data.ms

(17) Chrysene-d12

21.296min (+ 0.001) 0.40 ng/ul m

response 18111

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	20.92#
236.00	28.00	28.73
0.00	0.00	0.00

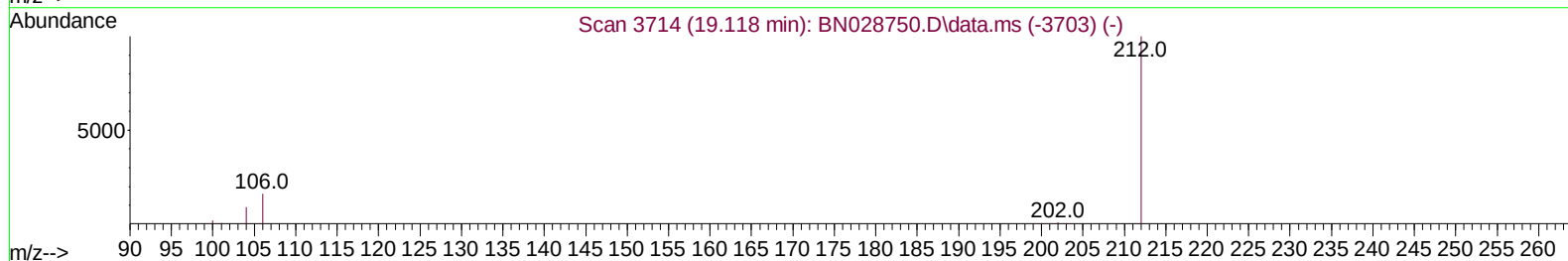
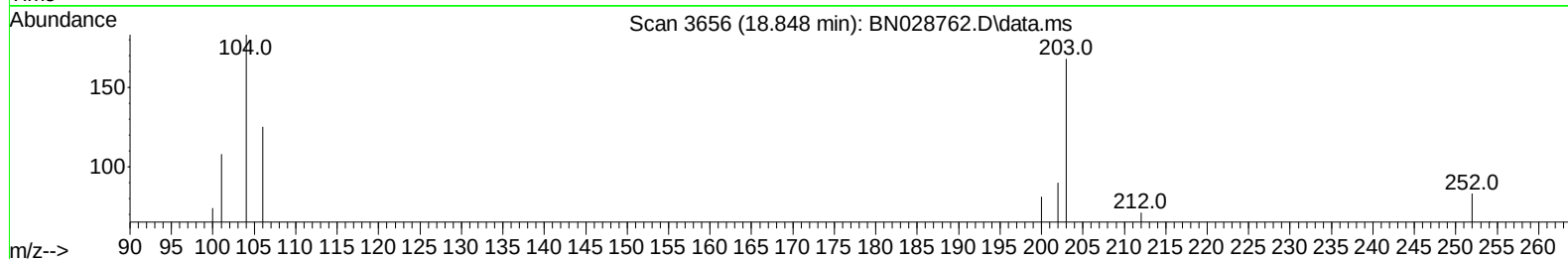
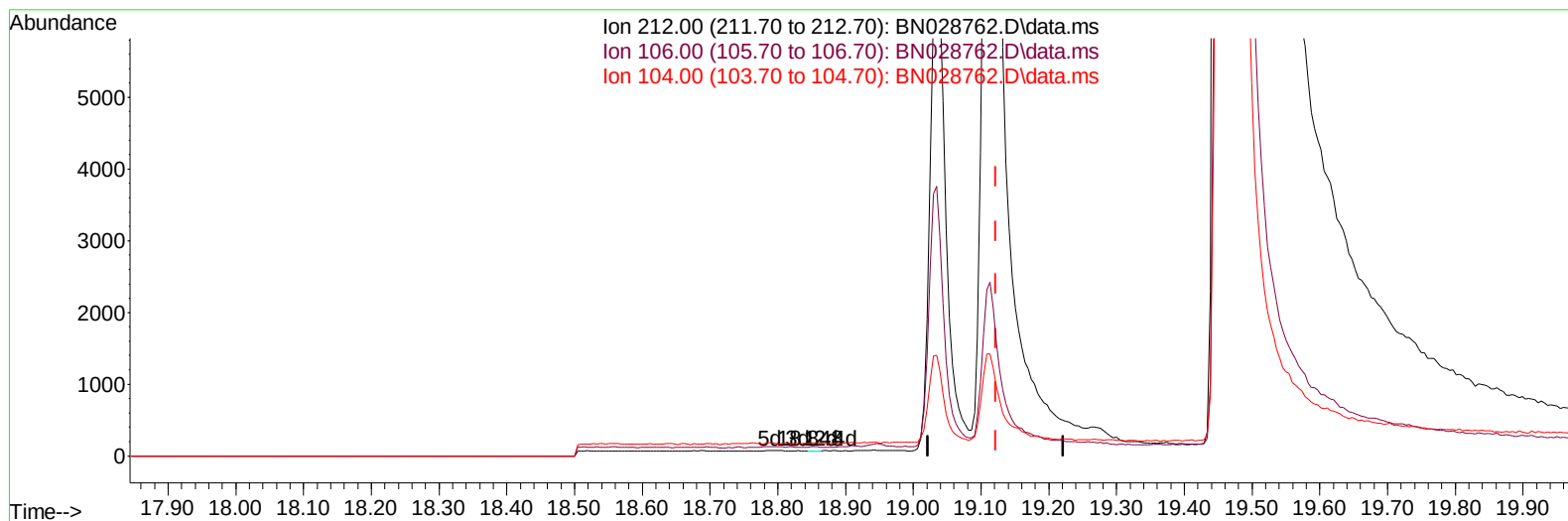
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028762.D
Acq On : 19 Nov 2023 05:41
Operator : MA/JU
Sample : 05370-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 2023
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TIC: BN028762.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.848min (-0.273) 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	1000.00#
0.00	0.00	0.00

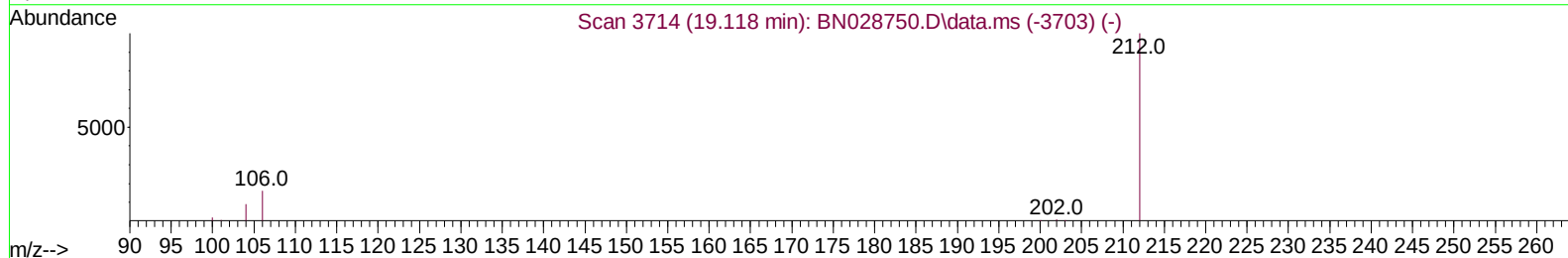
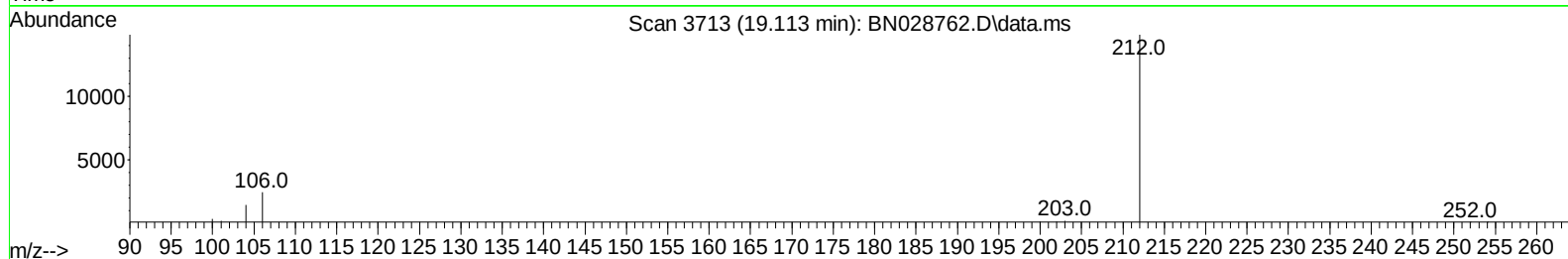
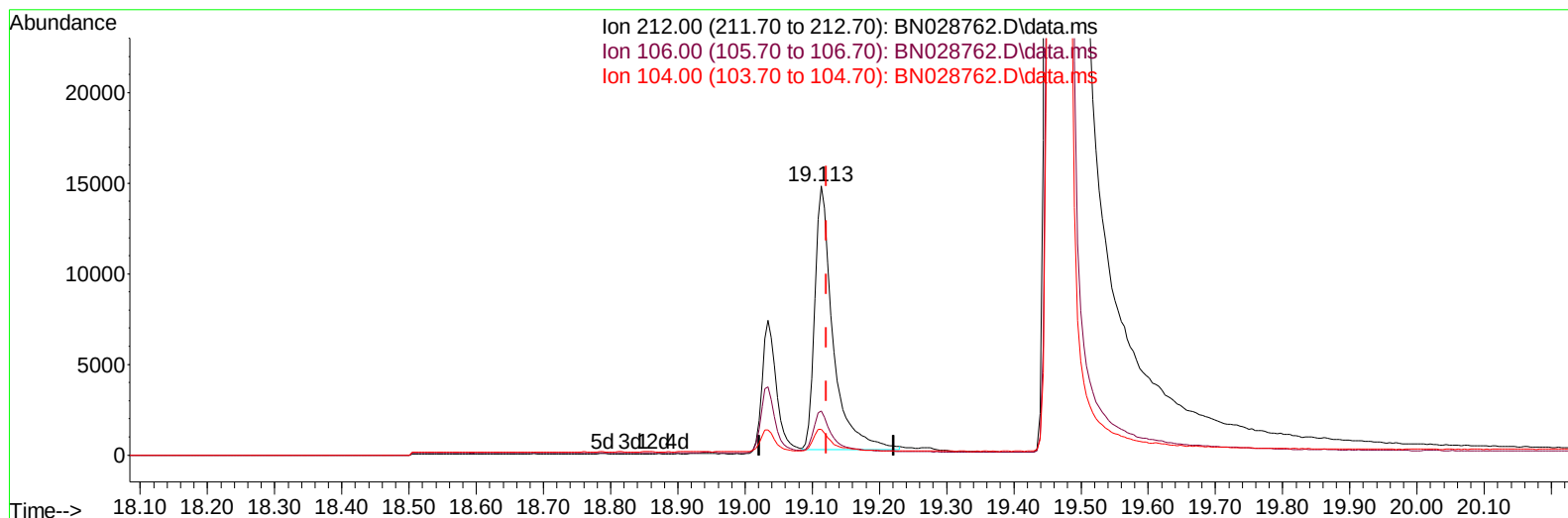
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

Quant Time: Nov 20 00:43:26 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: BN028762.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.113min (-0.008) 0.47 ng/ul m

response 27358

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	0.03#
104.00	8.30	0.07#
0.00	0.00	0.00

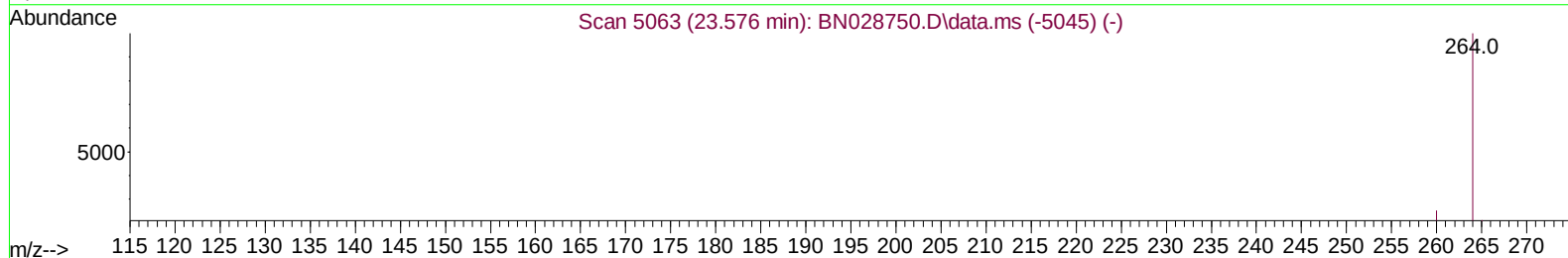
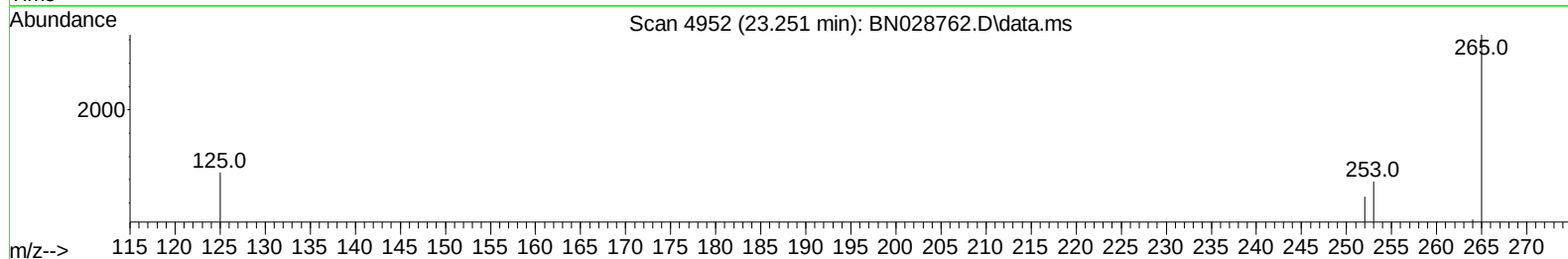
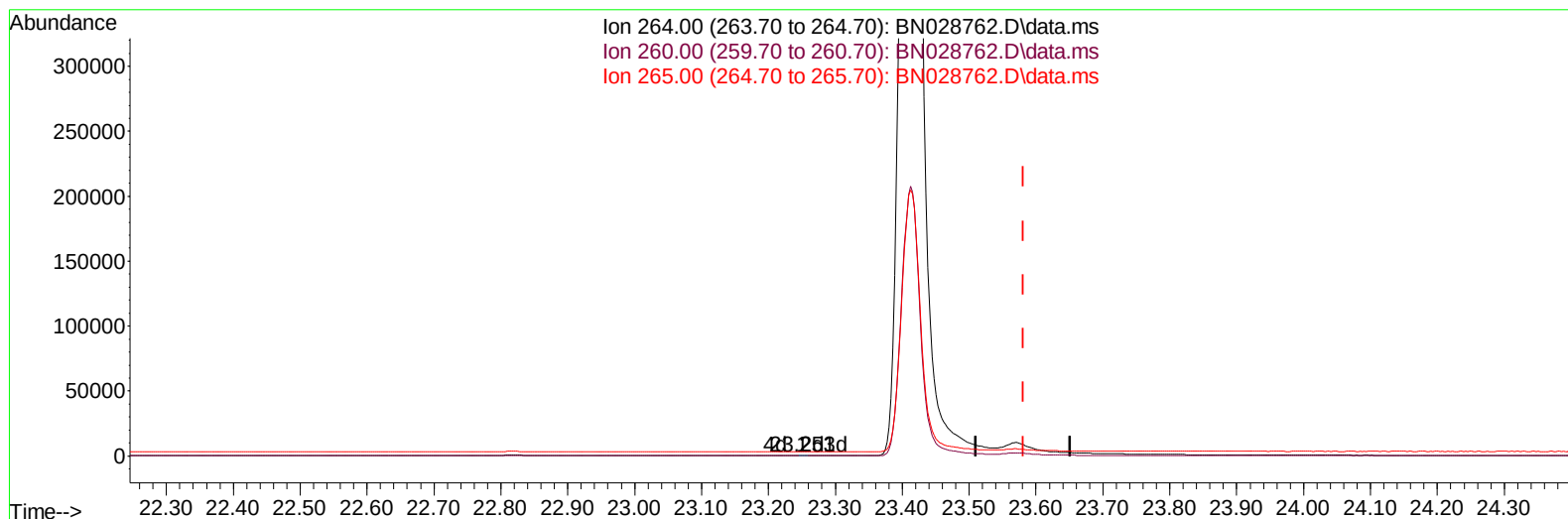
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

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TIC: BN028762.D\data.ms

(23) Perylene-d12 (I)

23.251min (-0.329) 0.40 ng/ul

response 3

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	60.50#
265.00	38.80	2763.87#
0.00	0.00	0.00

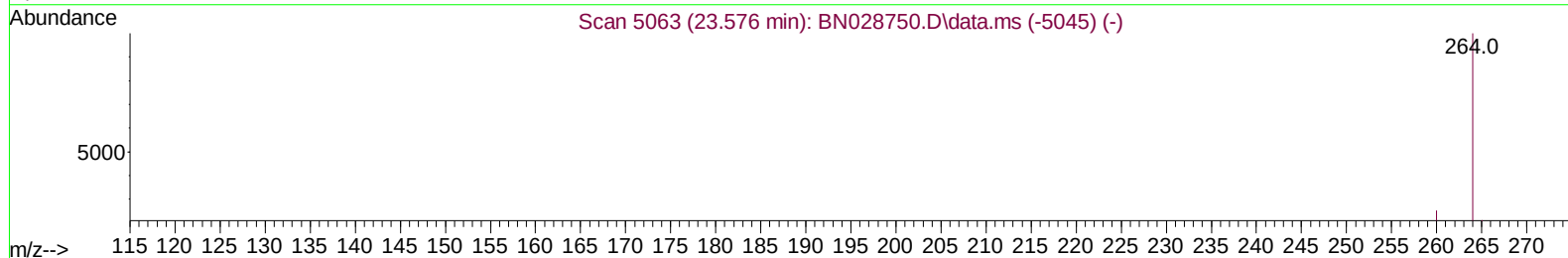
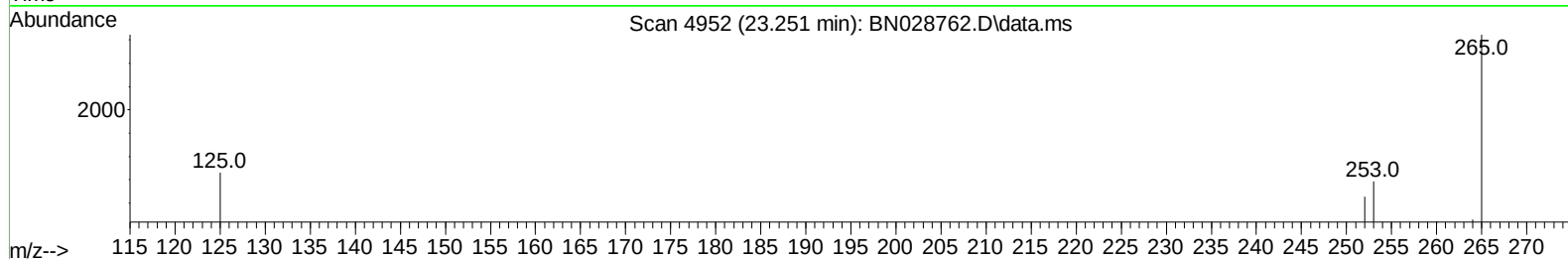
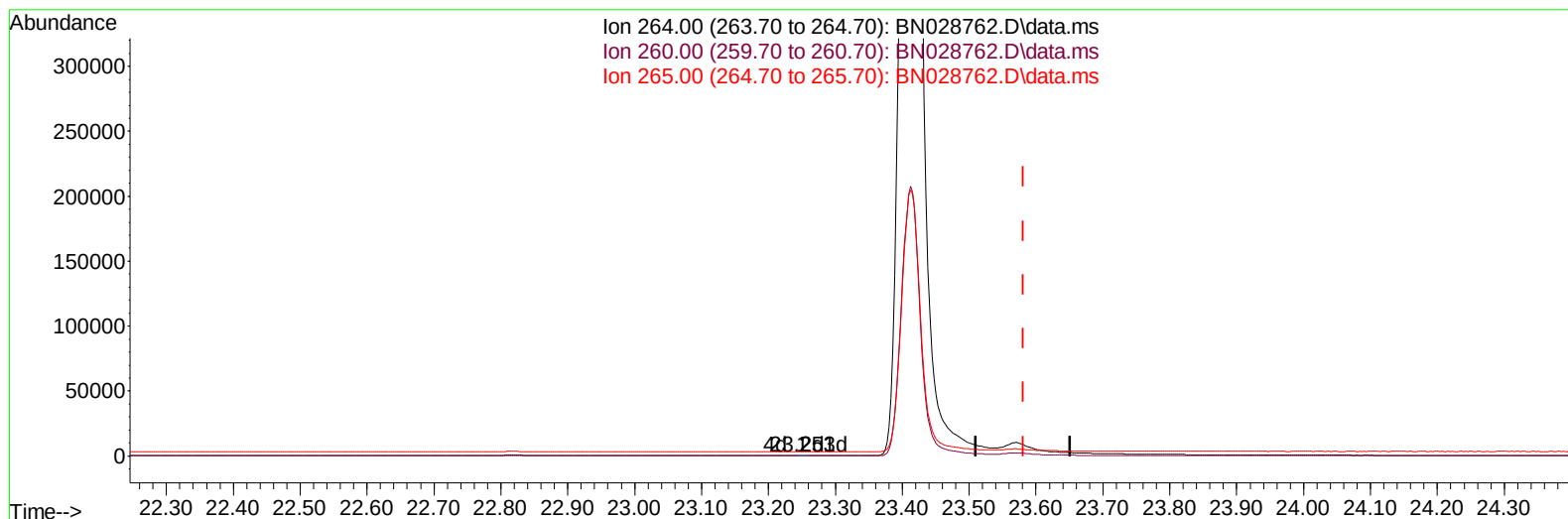
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

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TIC: BN028762.D\data.ms

(23) Perylene-d12 (I)

23.251min (-0.329) 0.40 ng/u1

response 3

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	60.50#
265.00	38.80	2763.87#
0.00	0.00	0.00

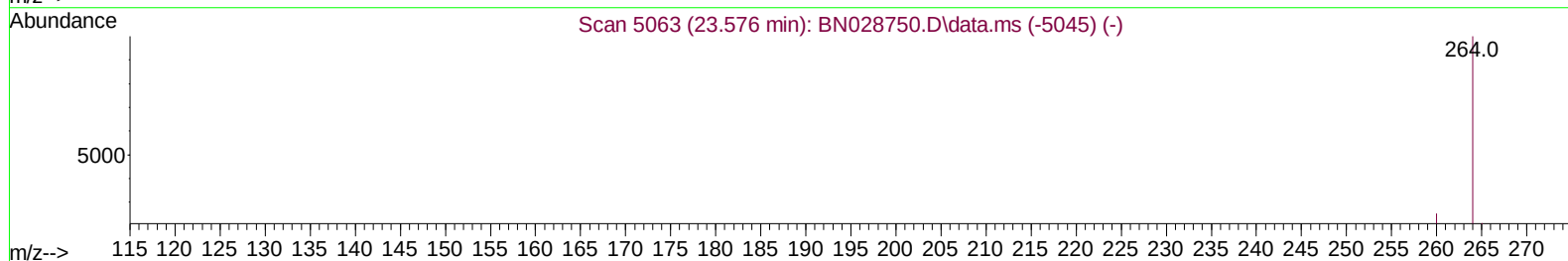
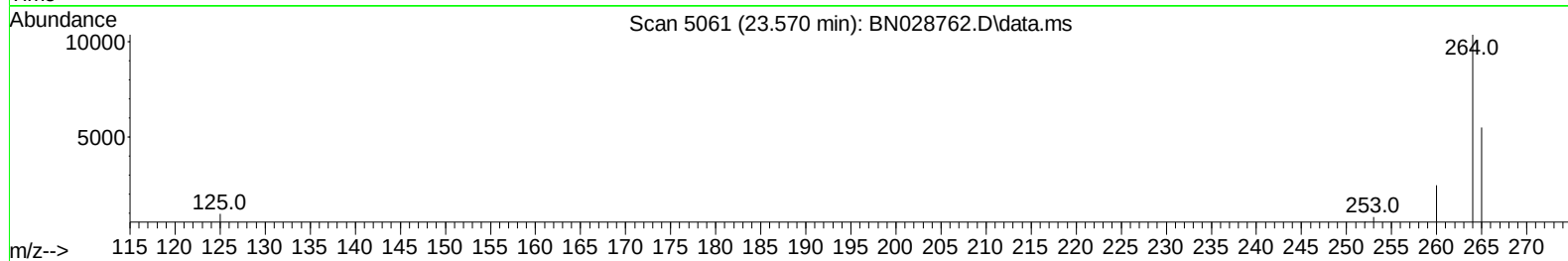
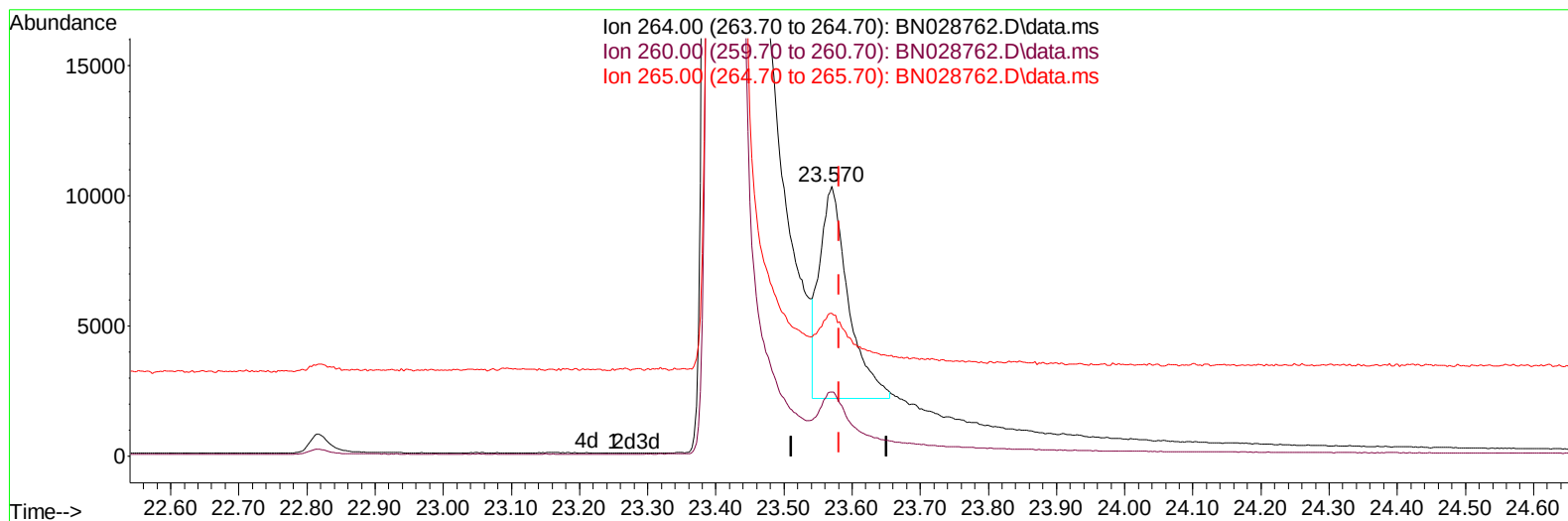
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
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 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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TIC: BN028762.D\data.ms

(23) Perylene-d12 (I)

23.570min (-0.011) 0.40 ng/ul m

response 23839

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	23.80
265.00	38.80	53.03#
0.00	0.00	0.00

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 Data File : BN028762.D
 Acq On : 19 Nov 2023 05:41
 Operator : MA/JU
 Sample : 05370-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDQ3

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	5197m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.473	136	19904m	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.321	164	12295m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.082	188	23323m	0.400	ng/ul	0.00
17) Chrysene-d12	21.296	240	18111m	0.400	ng/ul	0.00
23) Perylene-d12	23.570	264	23839m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.112	96	30163	5.251	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.123	152	7035m	0.235	ng/ul	0.01
18) Fluoranthene-d10	19.113	212	27358m	0.469	ng/ul	0.00

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

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GCDQ3

Manual IntegrationsAPPROVED

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