

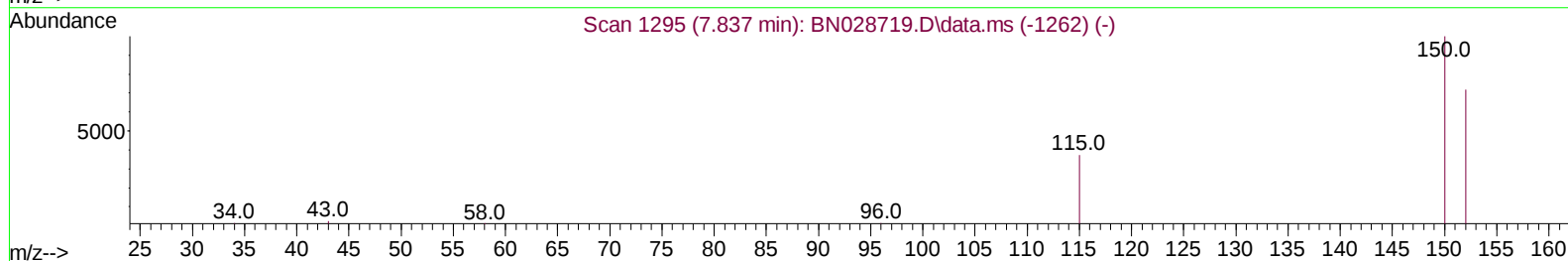
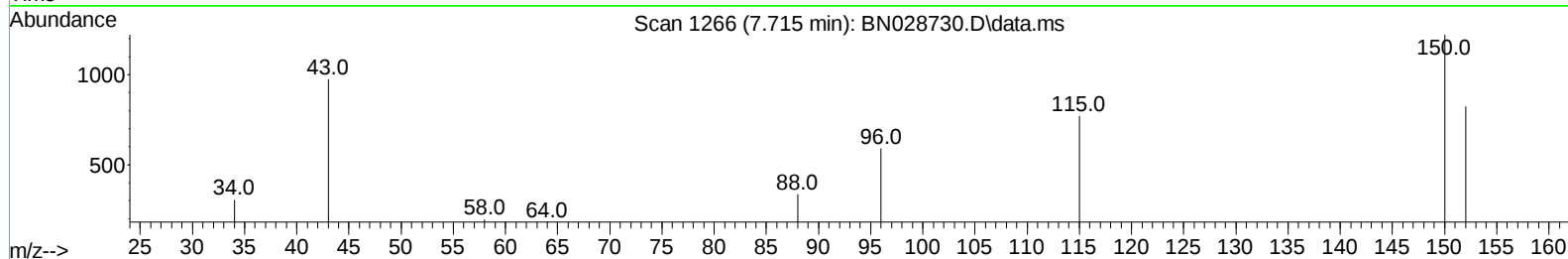
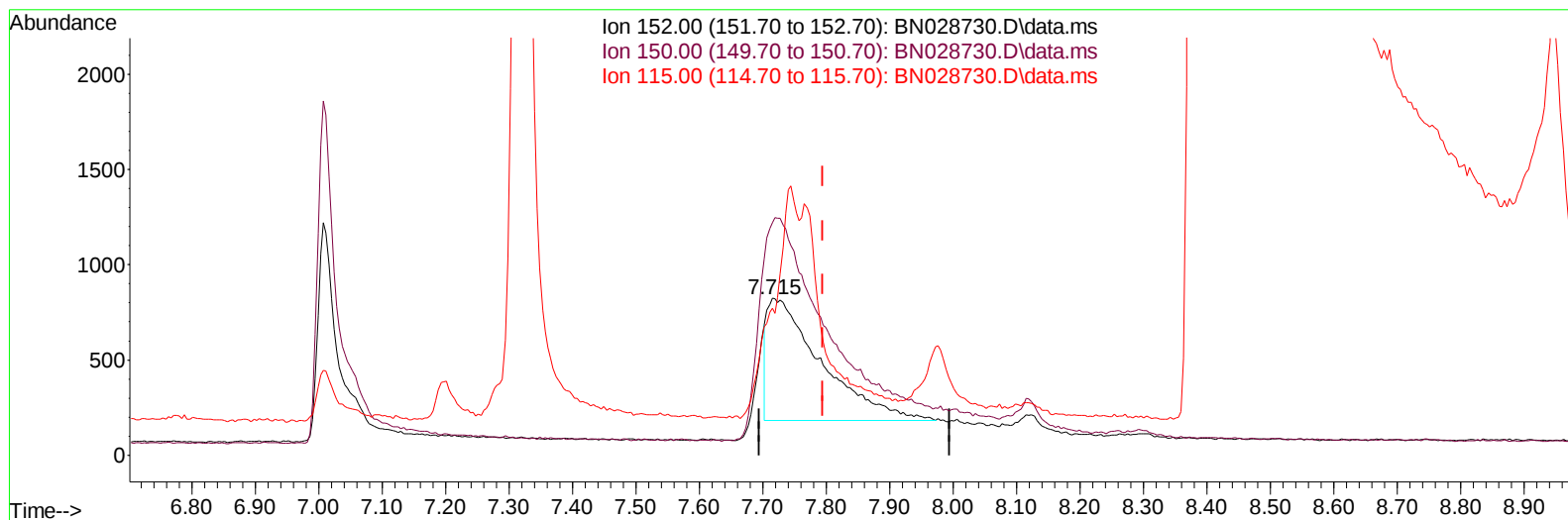
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028730.D
Acq On : 18 Nov 2023 09:19
Operator : MA/JU
Sample : 05369-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

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

7.715min (-0.080) 0.40 ng/u1

response 3810

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	148.30
115.00	62.20	93.57#
0.00	0.00	0.00

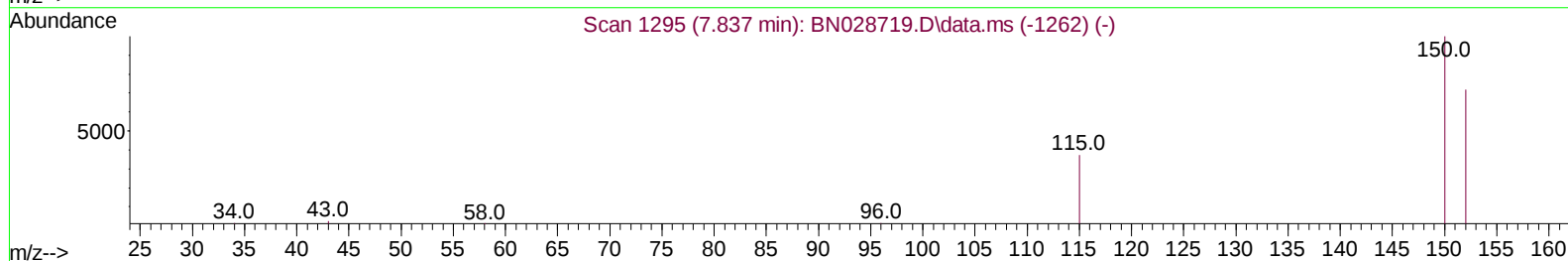
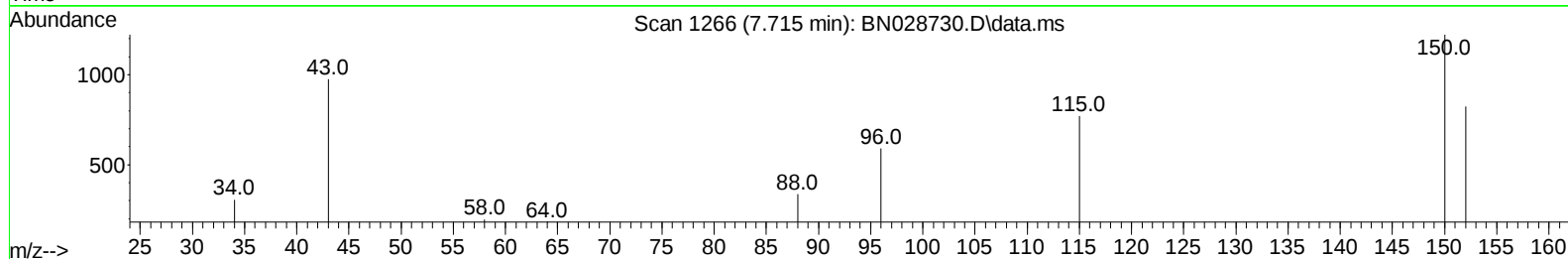
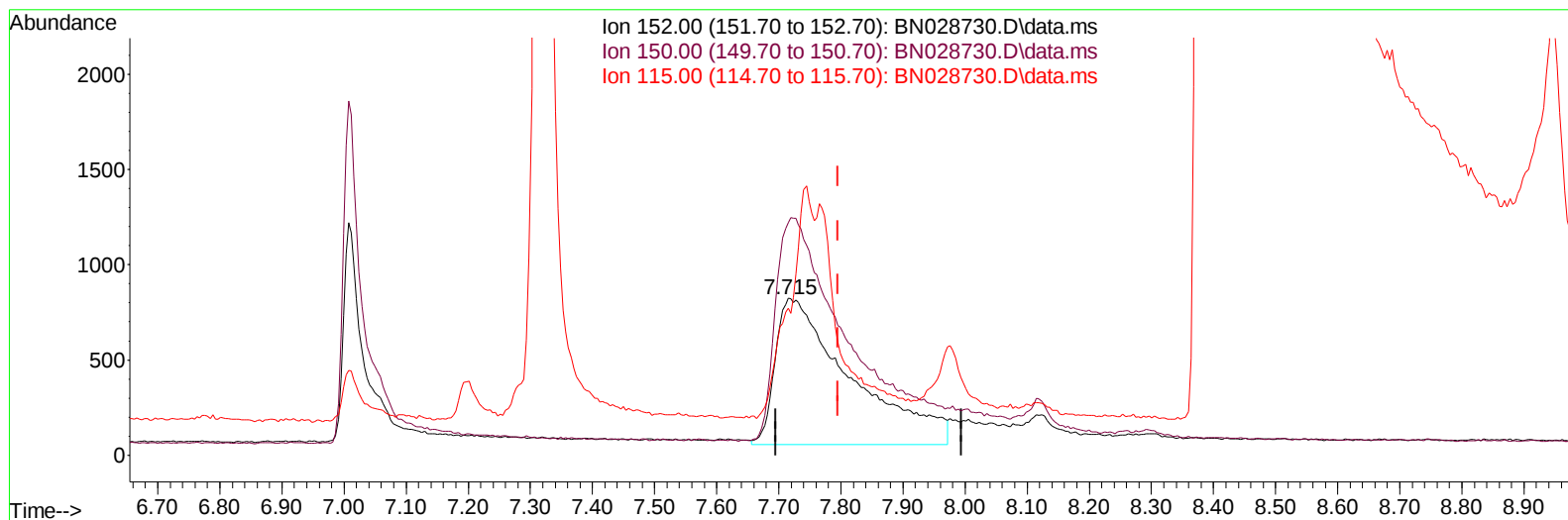
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Acq On : 18 Nov 2023 09:19
Operator : MA/JU
Sample : 05369-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

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

7.715min (-0.080) 0.40 ng/ul m

response 6493

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	148.30
115.00	62.20	93.57#
0.00	0.00	0.00

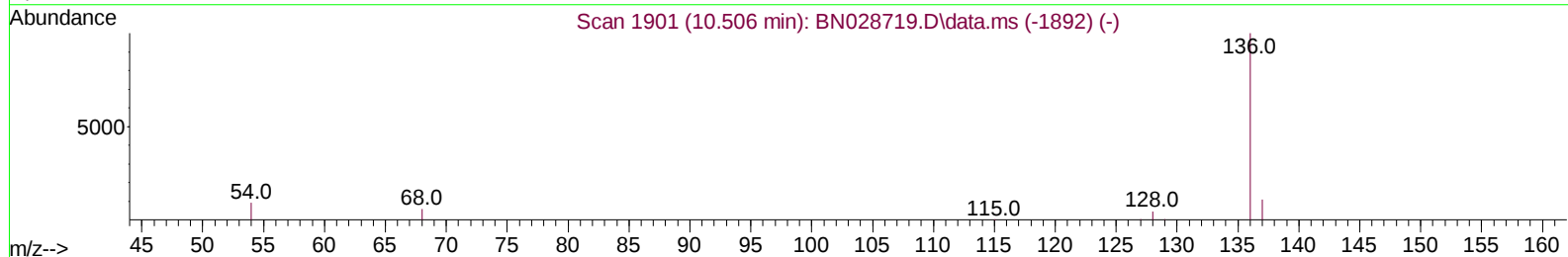
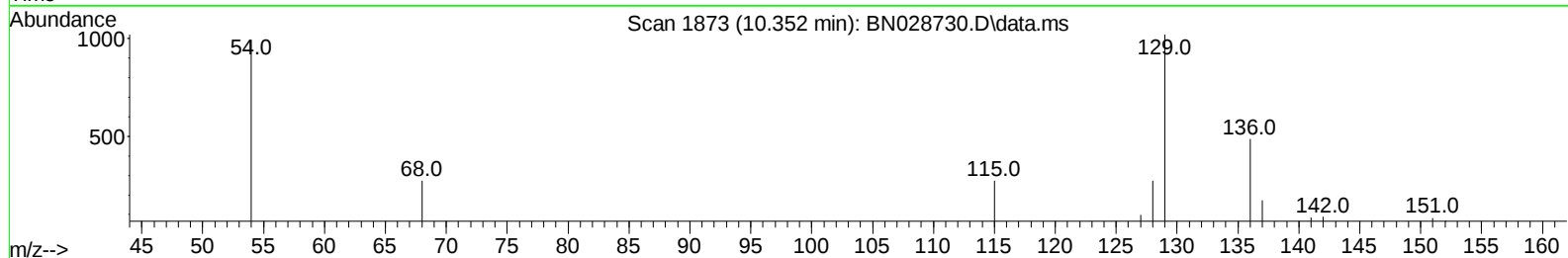
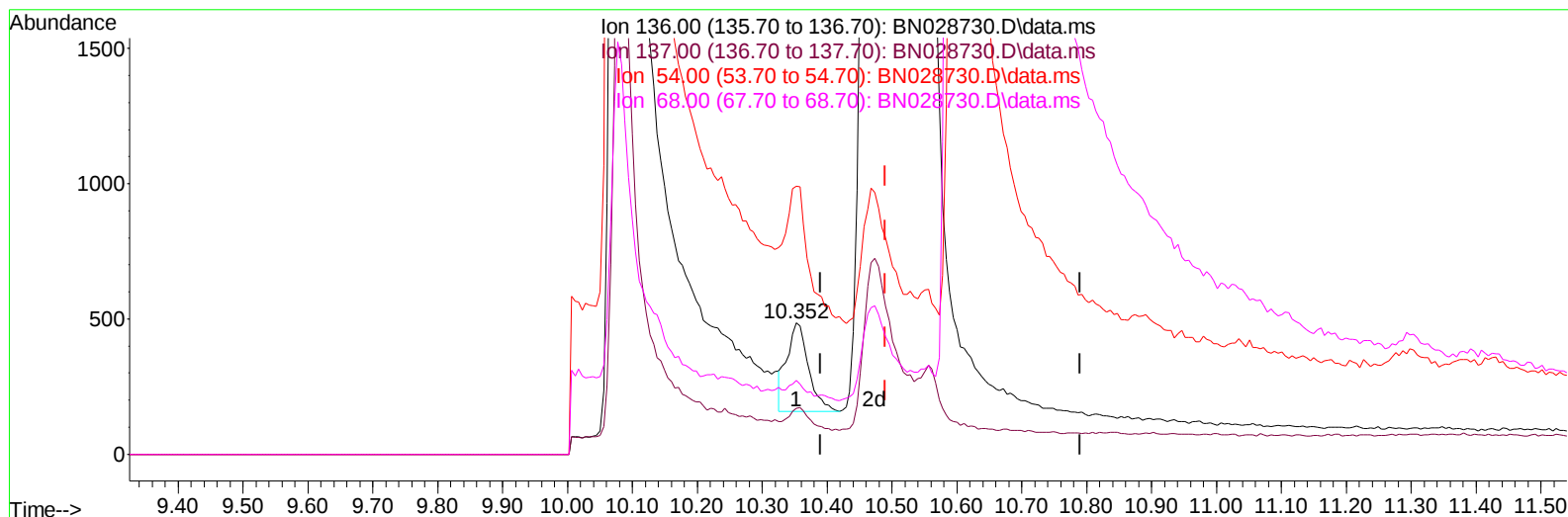
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Data File : BN028730.D
Acq On : 18 Nov 2023 09:19
Operator : MA/JU
Sample : 05369-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(4) Naphthalene-d8 (I)

10.352min (-0.137) 0.40 ng/u1

response 758

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	35.26#
54.00	9.00	204.54#
68.00	7.10	56.08#

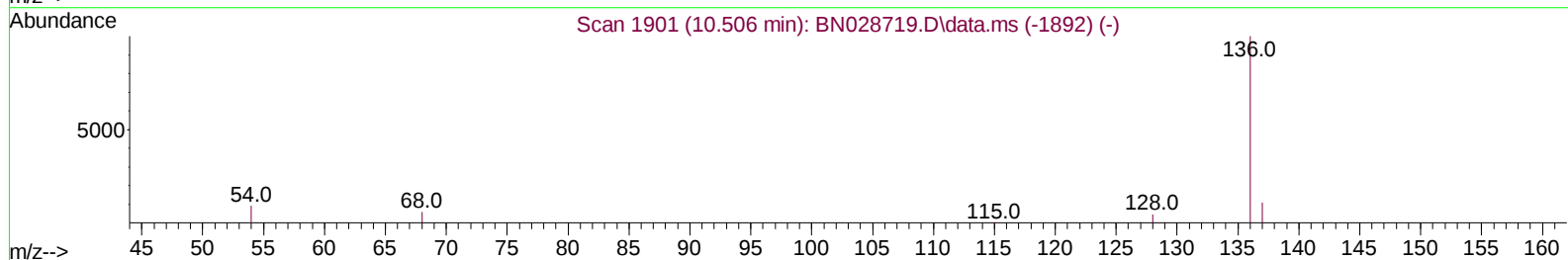
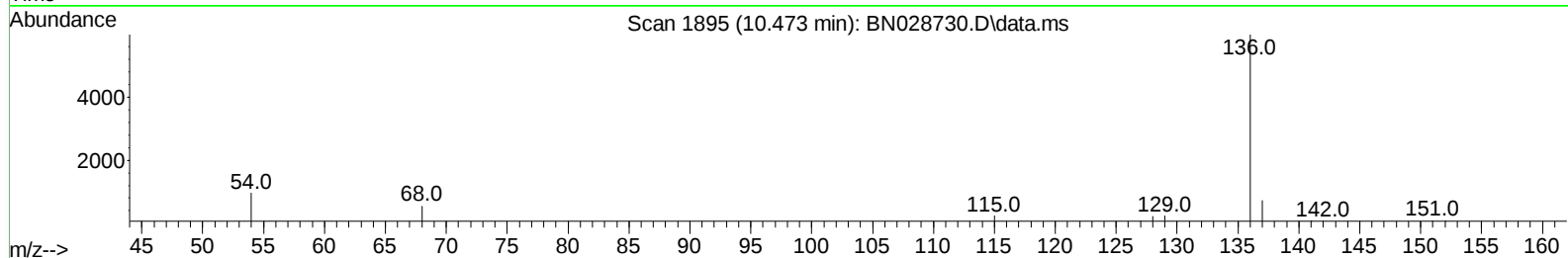
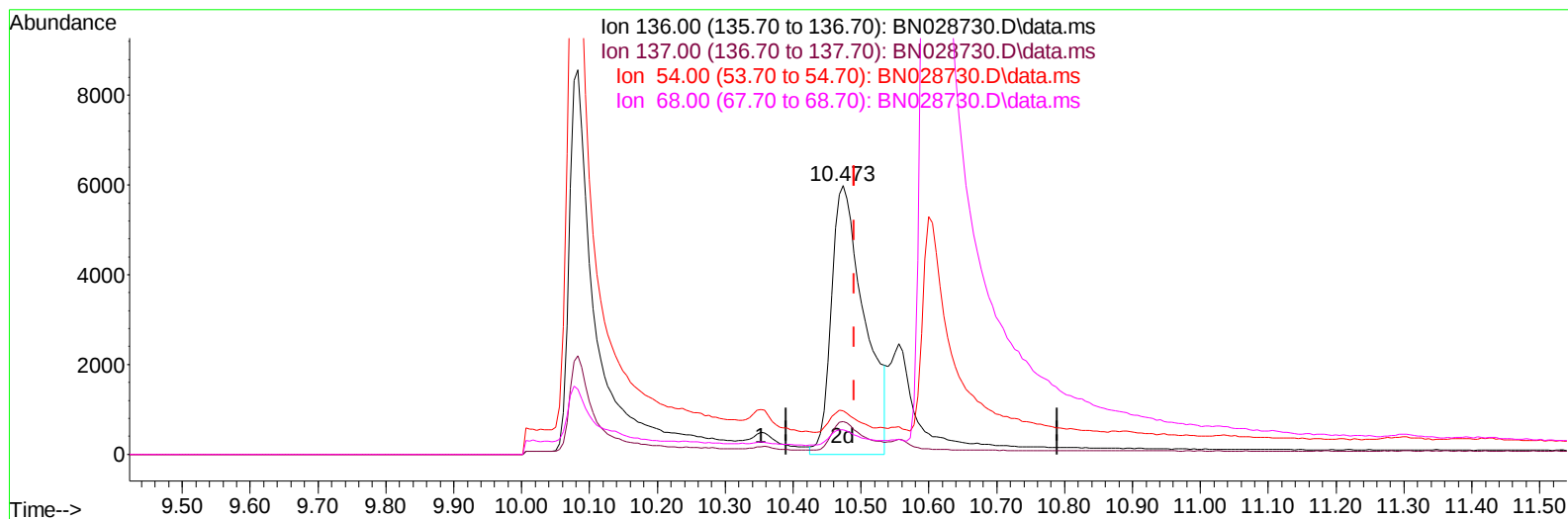
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Data File : BN028730.D
Acq On : 18 Nov 2023 09:19
Operator : MA/JU
Sample : 05369-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(4) Naphthalene-d8 (I)

10.473min (-0.016) 0.40 ng/ul m

response 20055

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	12.12
54.00	9.00	16.18#
68.00	7.10	9.17#

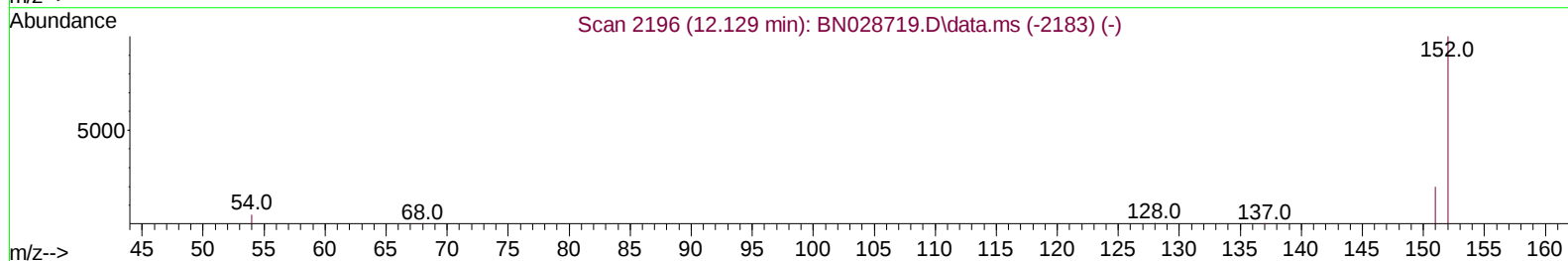
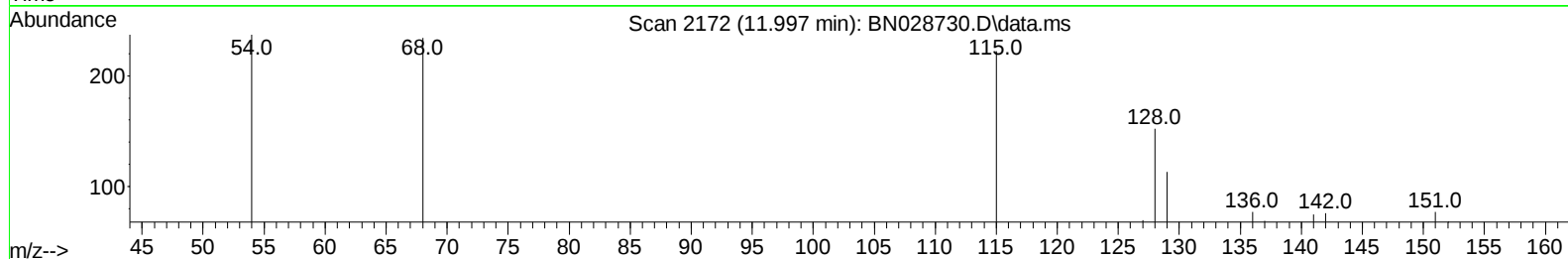
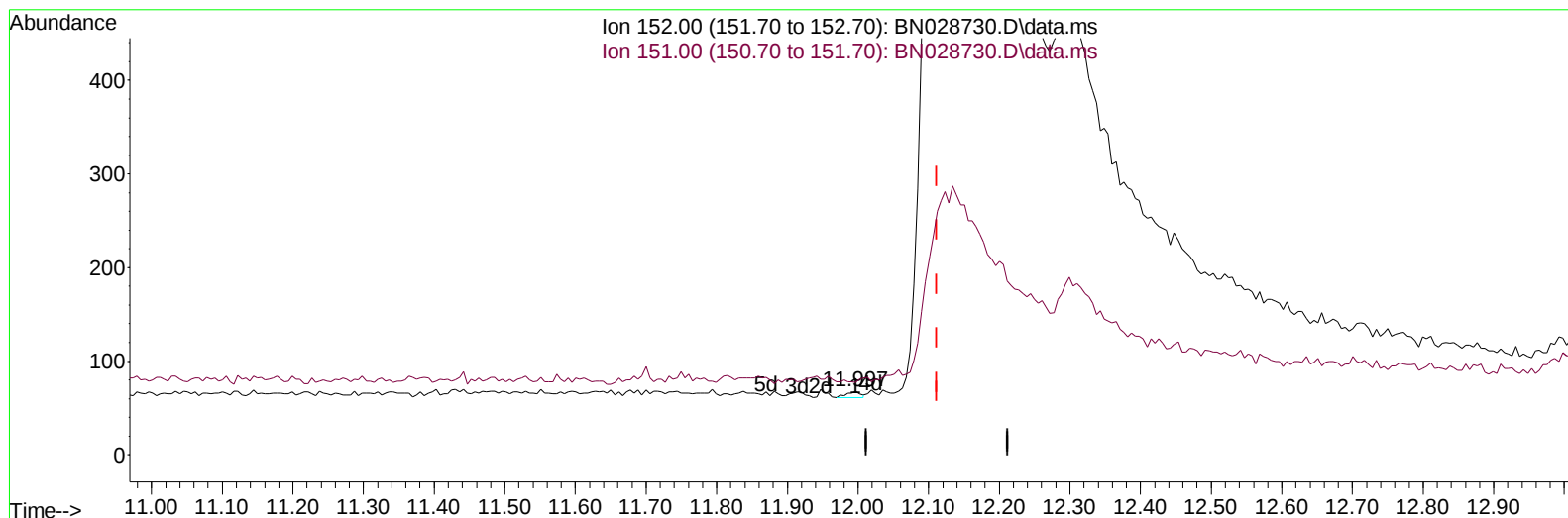
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028730.D
Acq On : 18 Nov 2023 09:19
Operator : MA/JU
Sample : 05369-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

11.997min (-0.115) 0.00 ng/u1

response 10

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	20.00
0.00	0.00	0.00
0.00	0.00	0.00

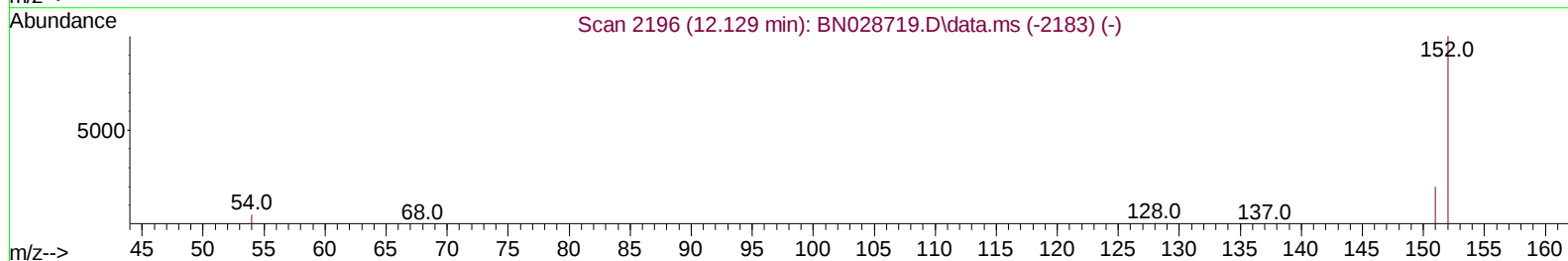
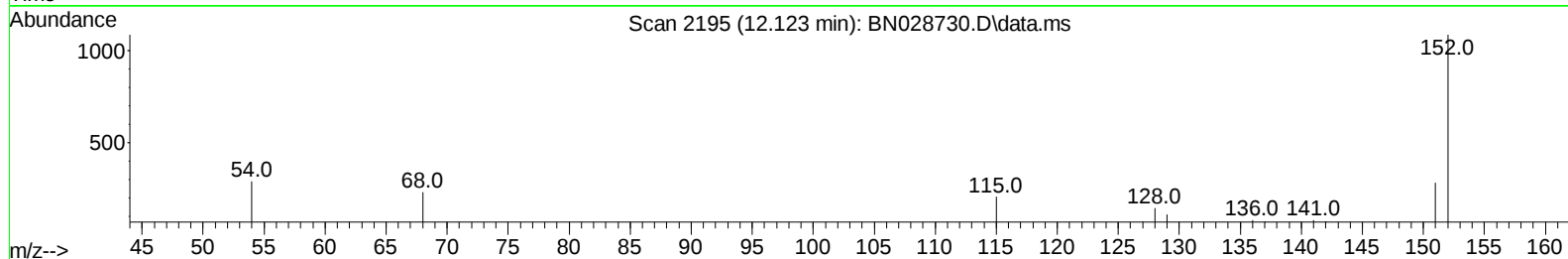
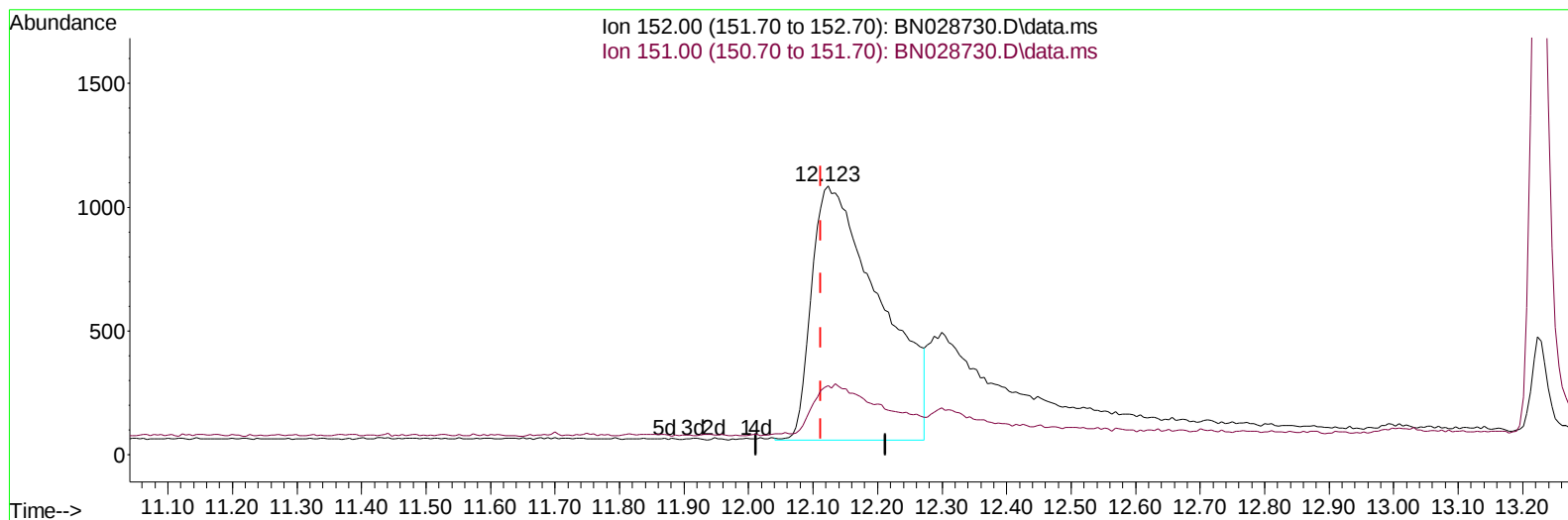
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 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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
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TIC: BN028730.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.123min (+ 0.011) 0.25 ng/ul m

response 7549

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

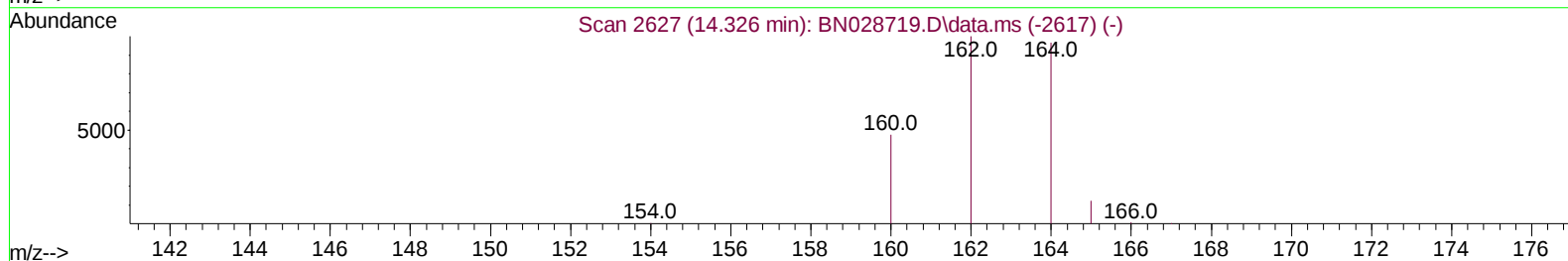
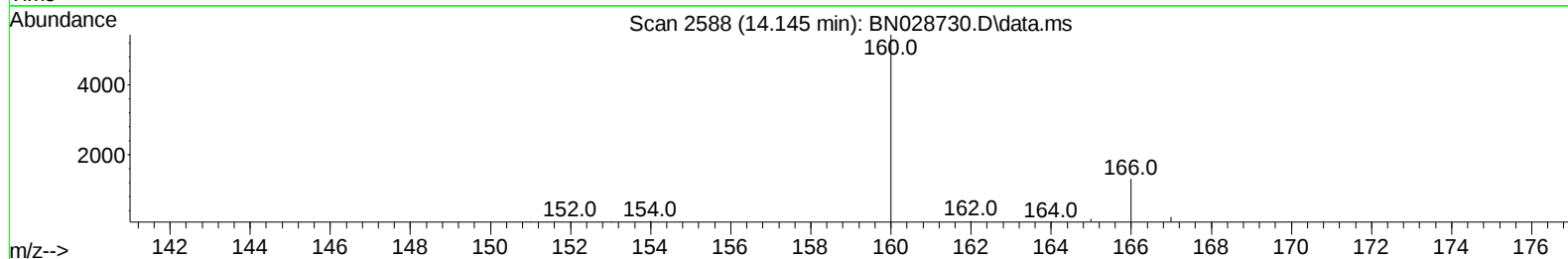
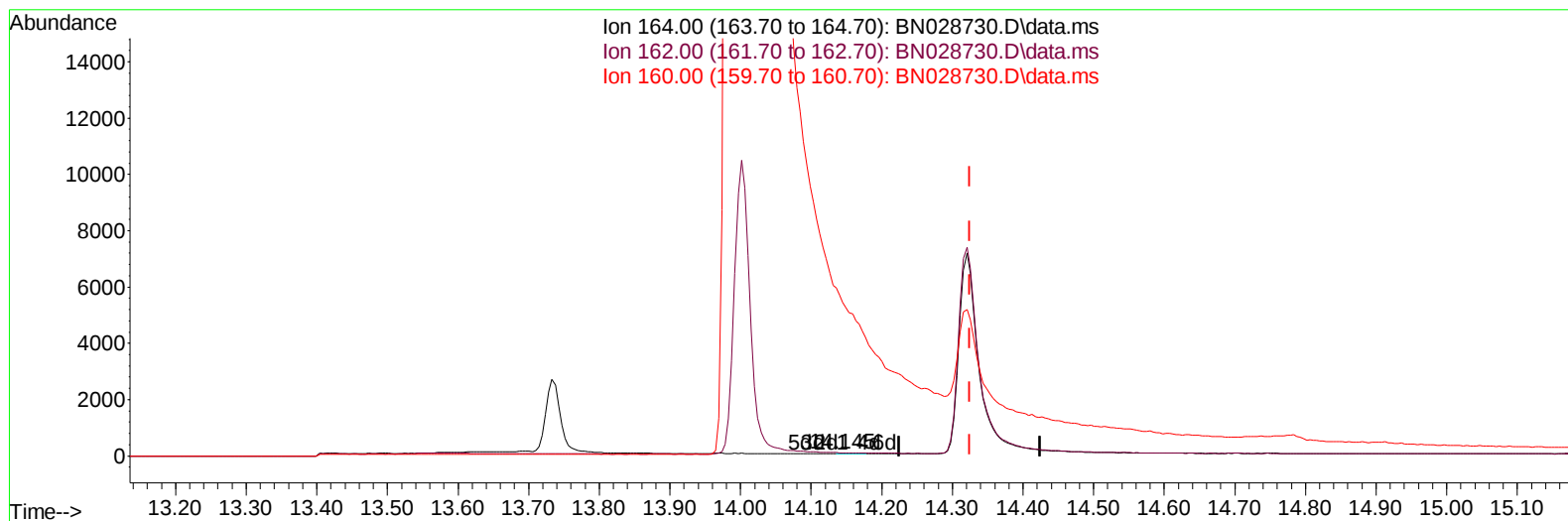
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 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(9) Acenaphthene-d10 (I)

14.145min (-0.180) 0.40 ng/u1

response 9

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	141.98#
160.00	49.20	6722.22#
0.00	0.00	0.00

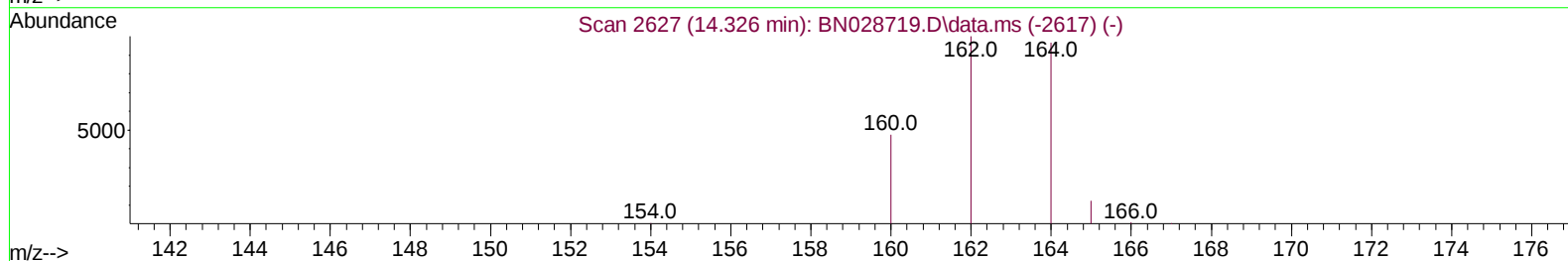
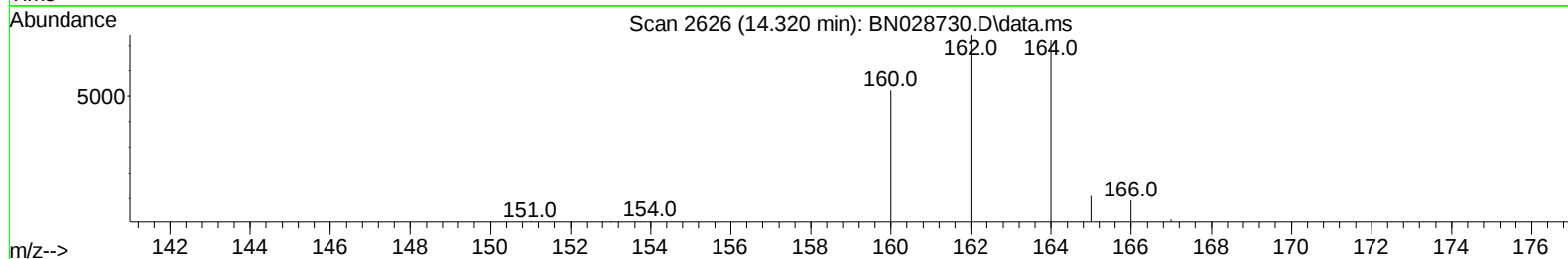
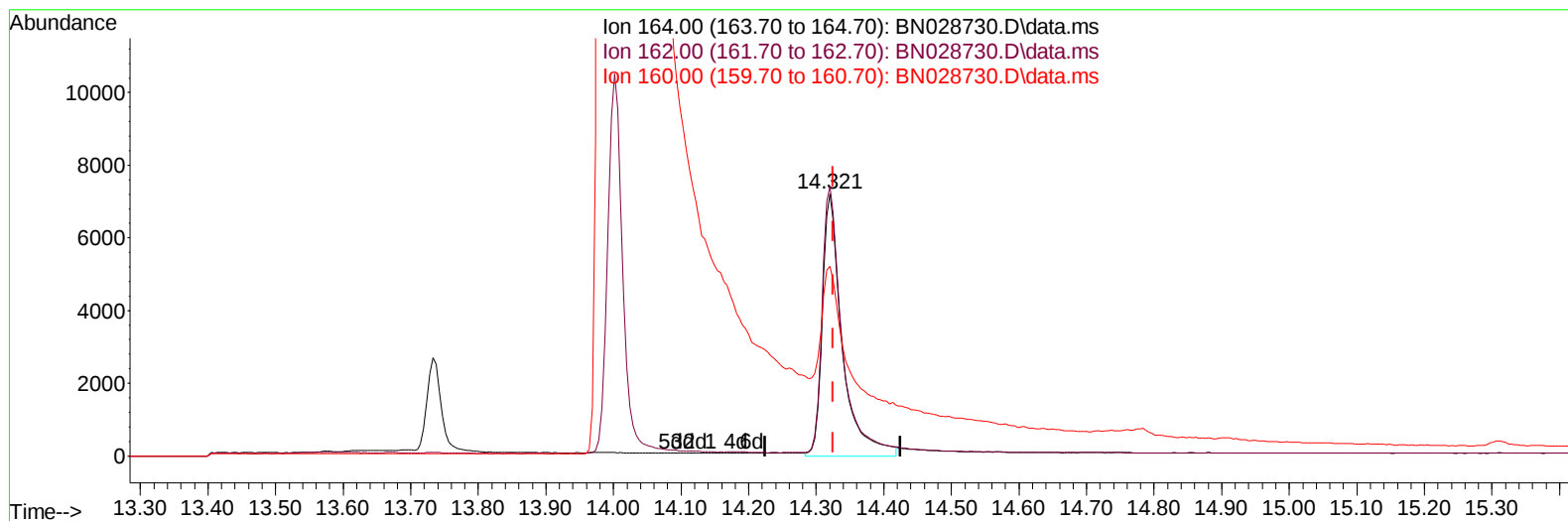
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 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(9) Acenaphthene-d10 (I)

14.320min (-0.005) 0.40 ng/u1 m

response 14745

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	102.83
160.00	49.20	72.29#
0.00	0.00	0.00

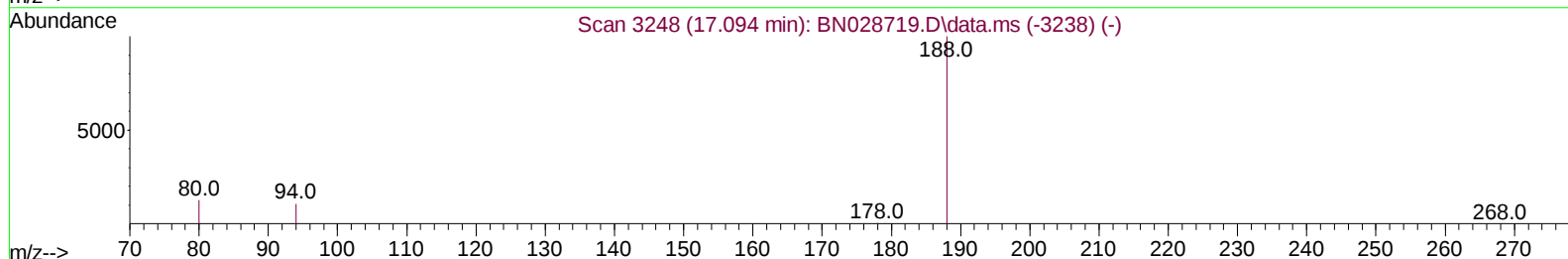
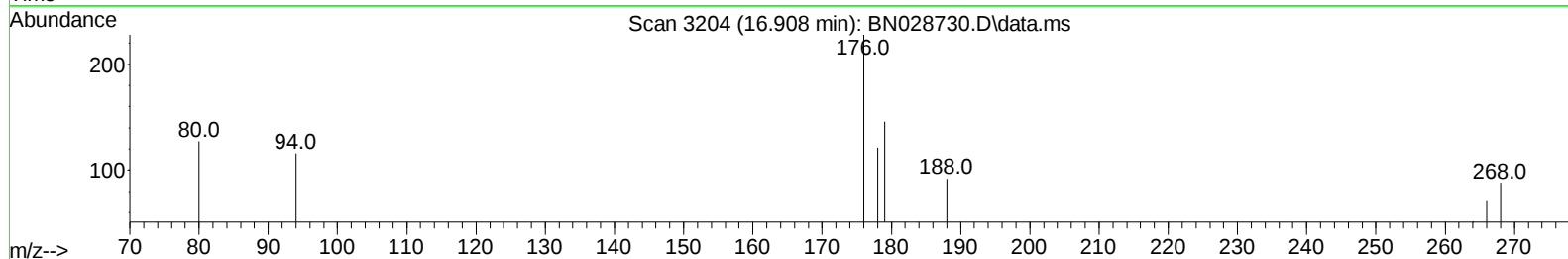
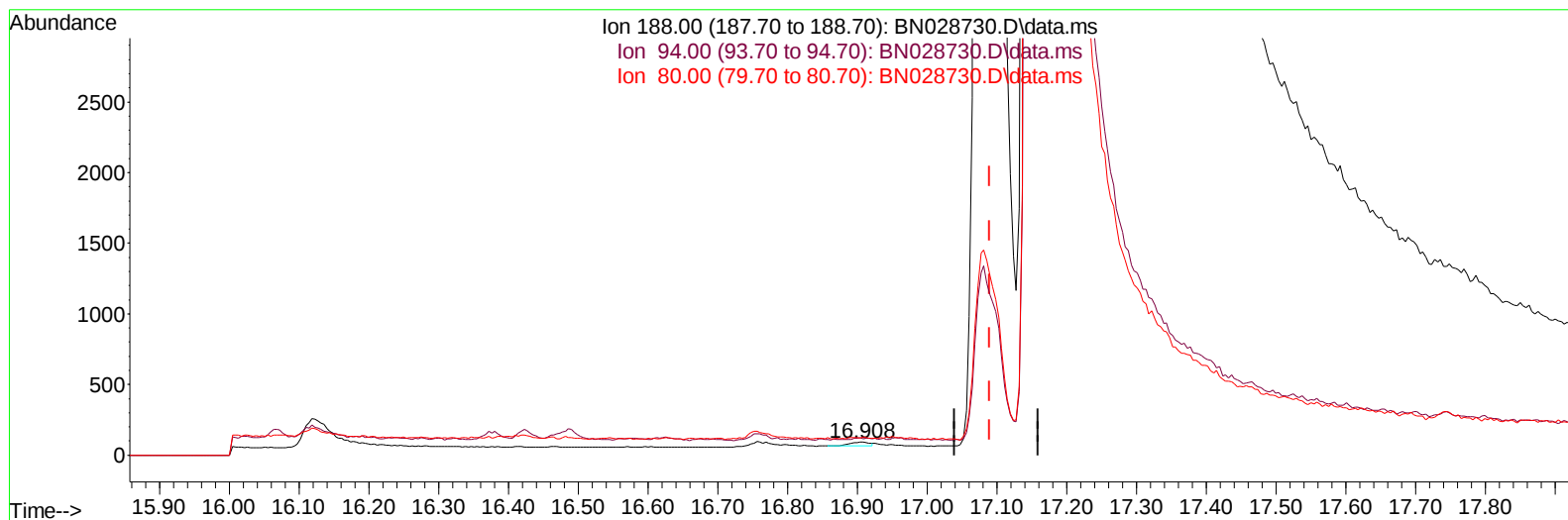
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 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(13) Phenanthrene-d10 (I)

16.908min (-0.181) 0.40 ng/u1

response 59

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	126.09#
80.00	10.90	138.04#
0.00	0.00	0.00

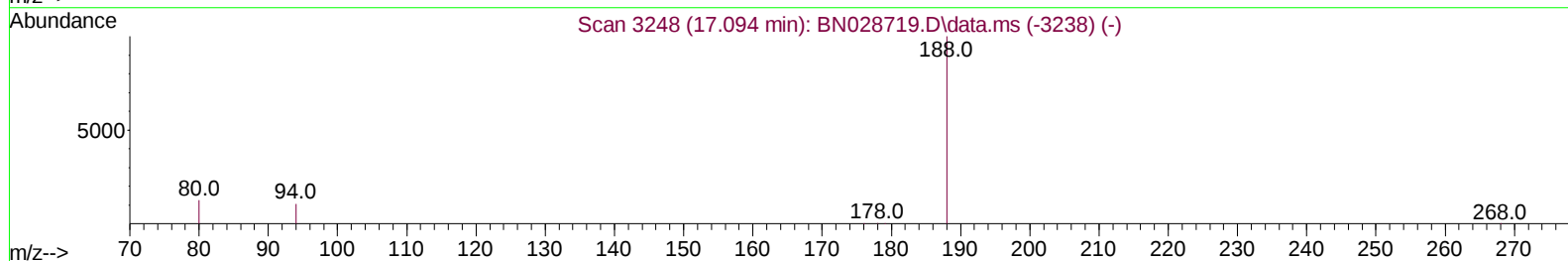
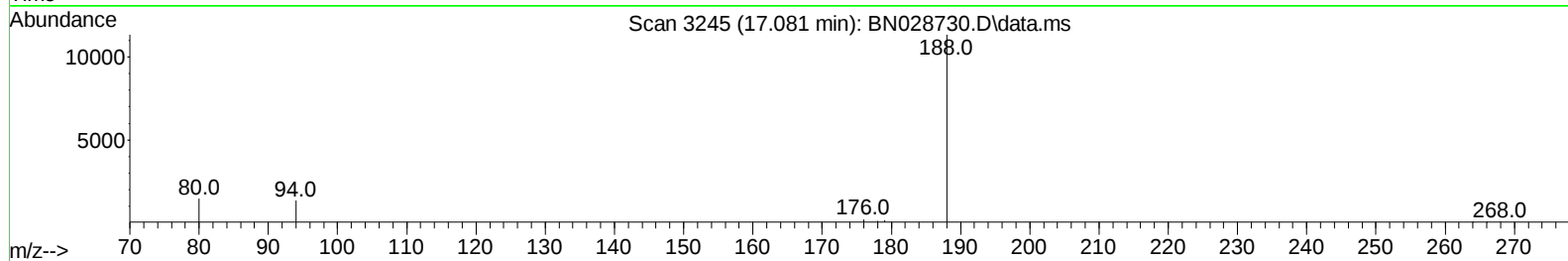
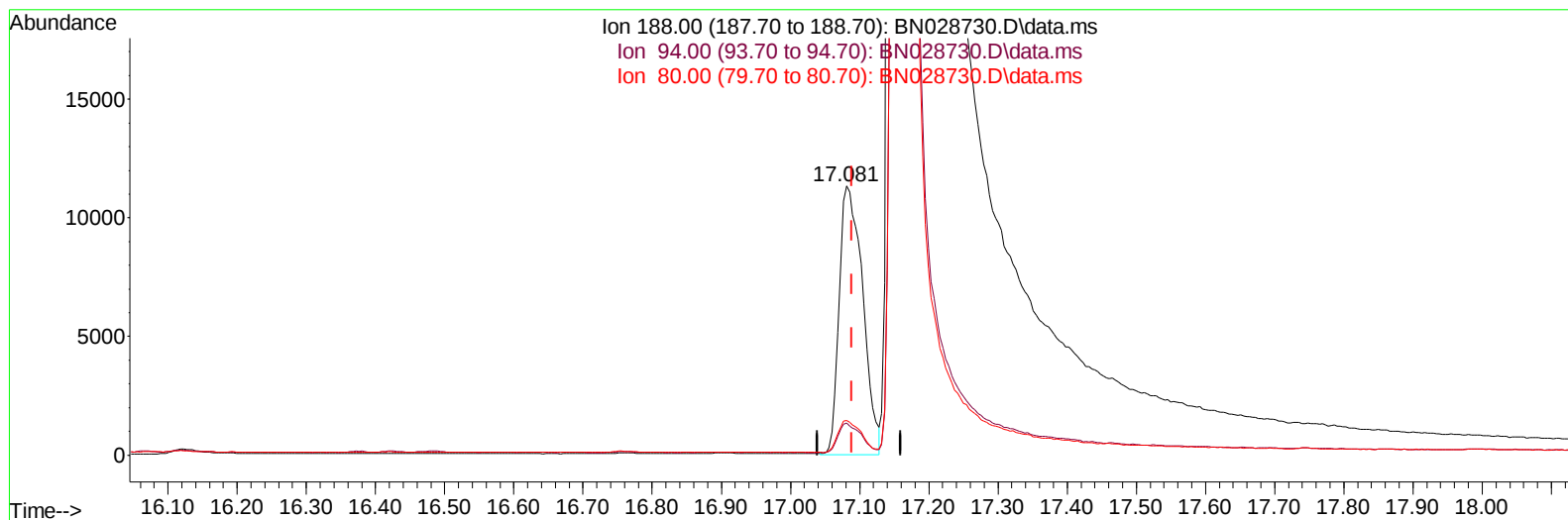
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Data File : BN028730.D
Acq On : 18 Nov 2023 09:19
Operator : MA/JU
Sample : 05369-09
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(13) Phenanthrene-d10 (I)

17.081min (-0.008) 0.40 ng/ul m

response 26662

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	11.83
80.00	10.90	12.80
0.00	0.00	0.00

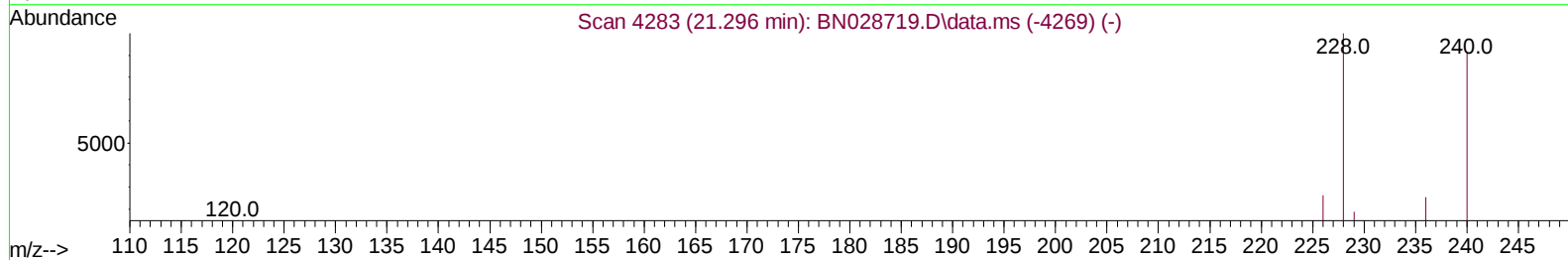
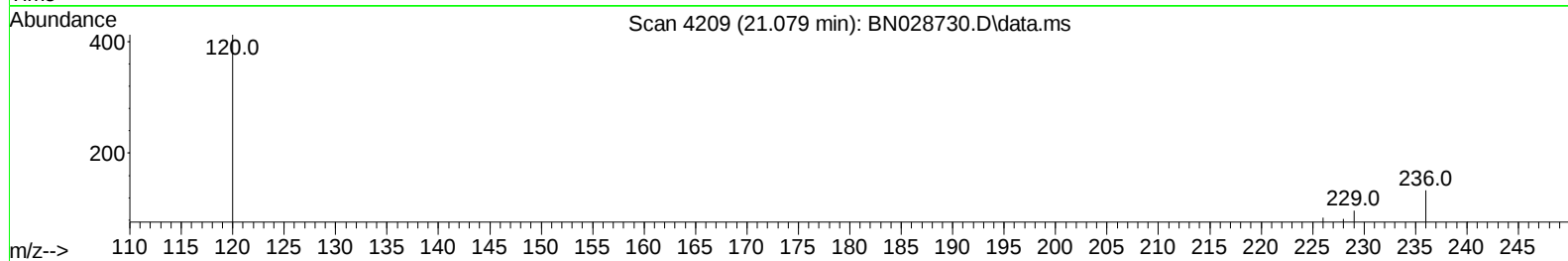
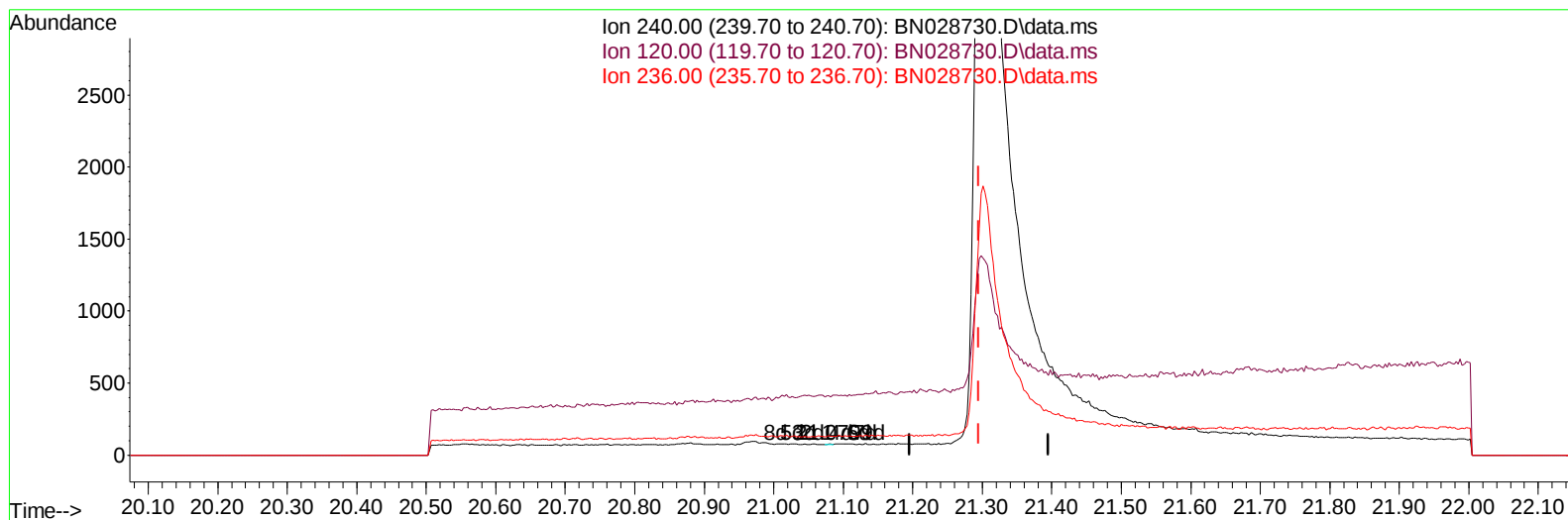
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 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 2023
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 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028730.D\data.ms

(17) Chrysene-d12

21.079min (-0.216) 0.40 ng/u1

response 2

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	543.42#
236.00	28.00	175.00#
0.00	0.00	0.00

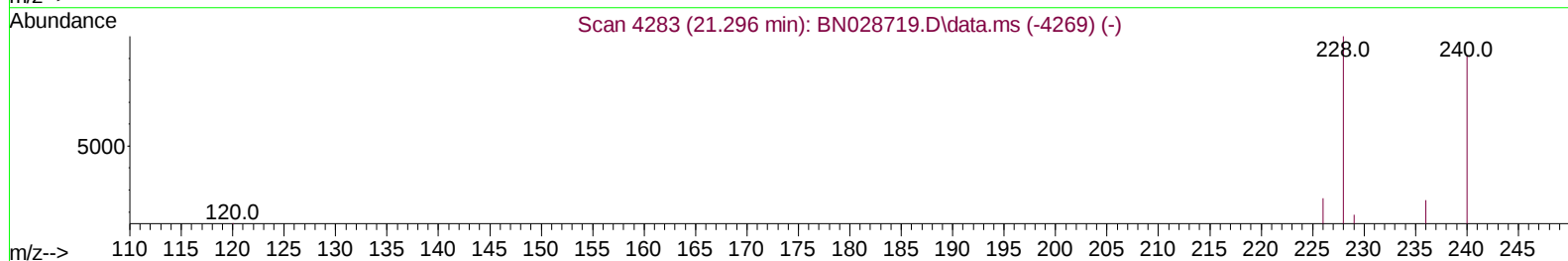
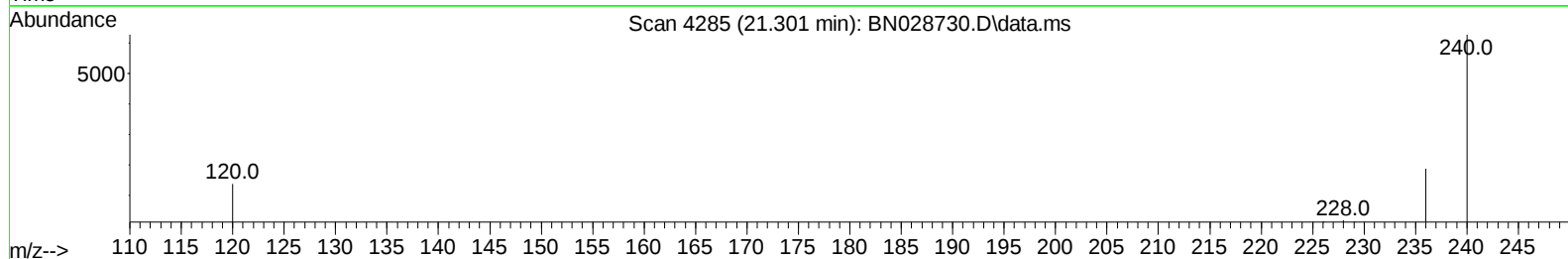
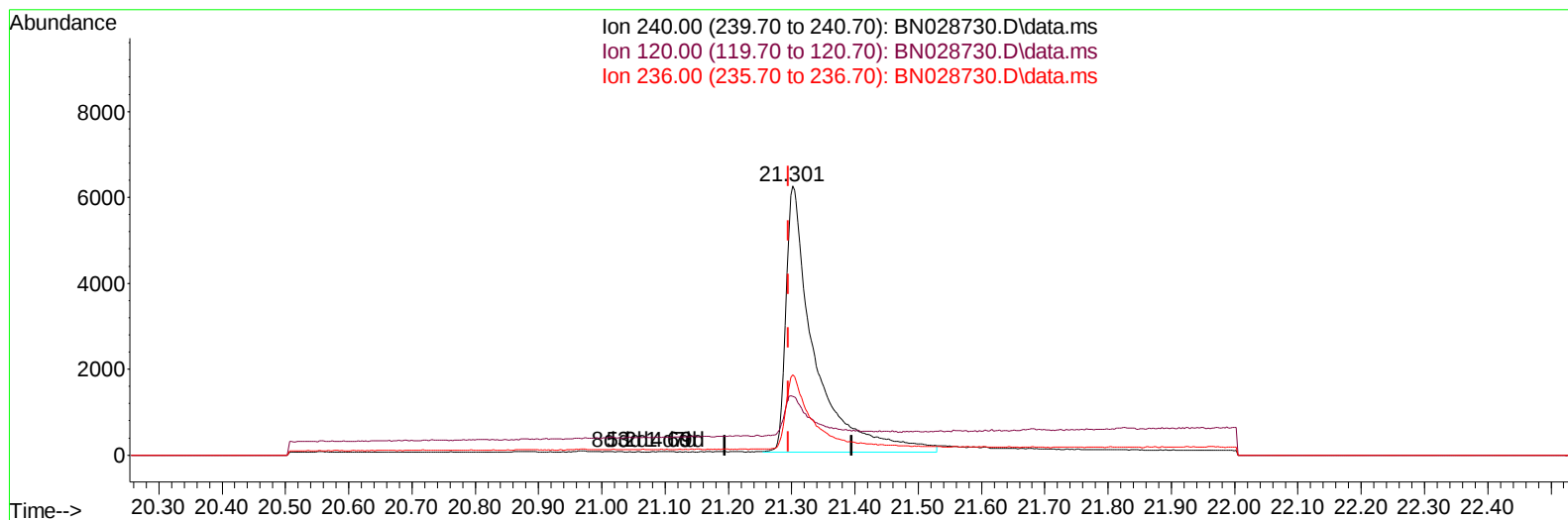
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(17) Chrysene-d12

21.301min (+ 0.006) 0.40 ng/ul m

response 19452

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	21.83#
236.00	28.00	29.81
0.00	0.00	0.00

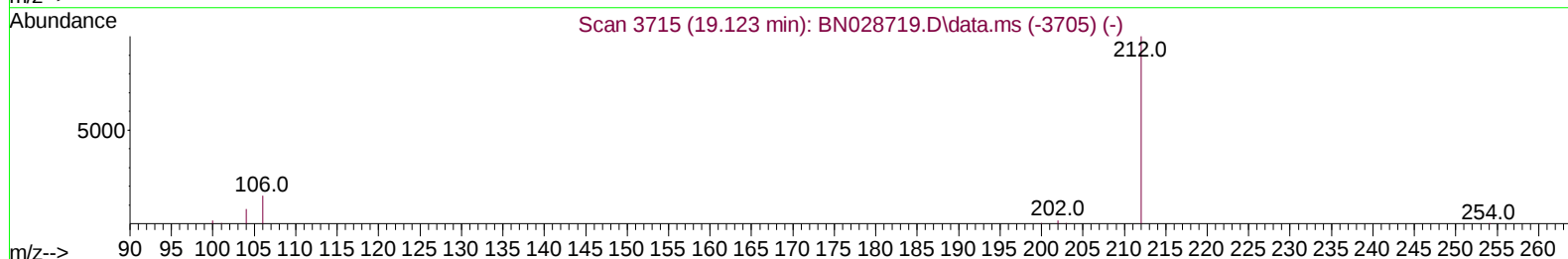
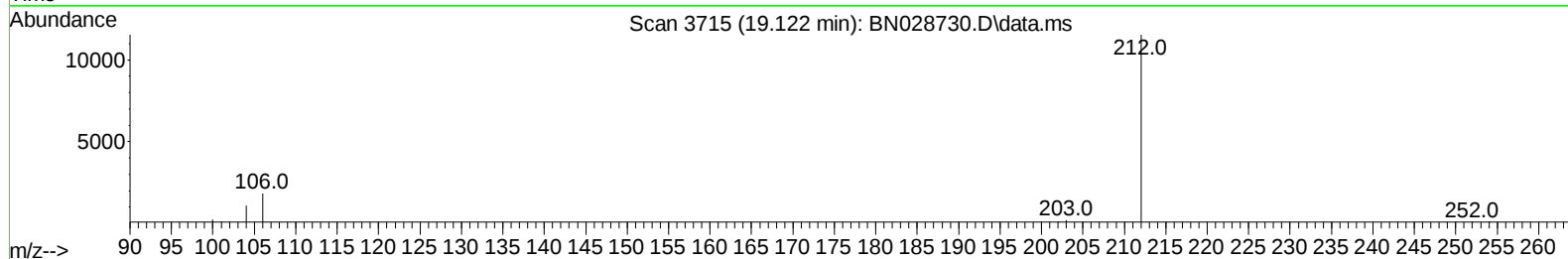
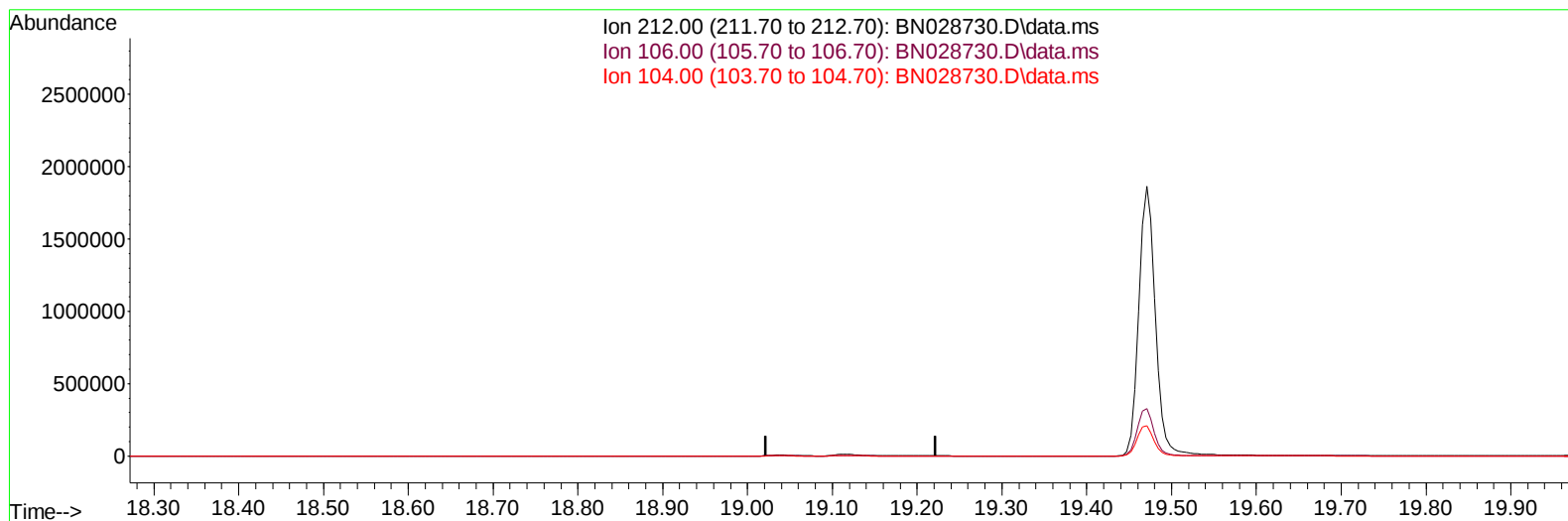
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 2023
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TIC: BN028730.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.122min (-19.122) 0.00 ng/u1

response 0

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

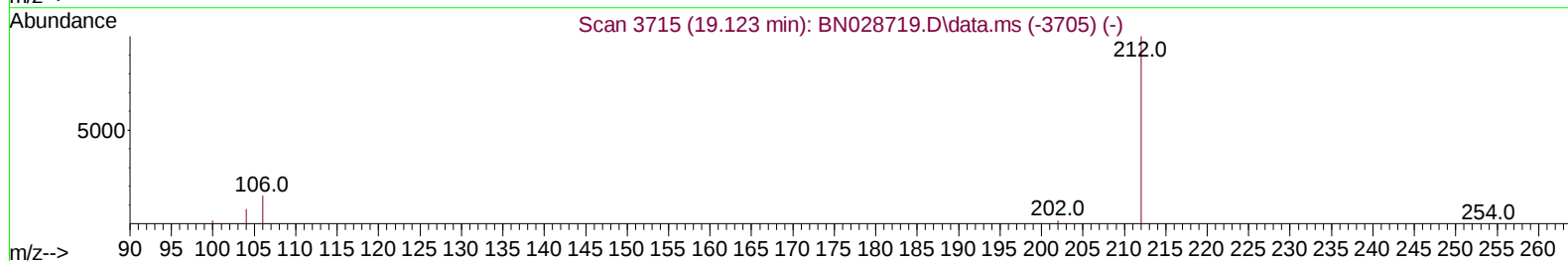
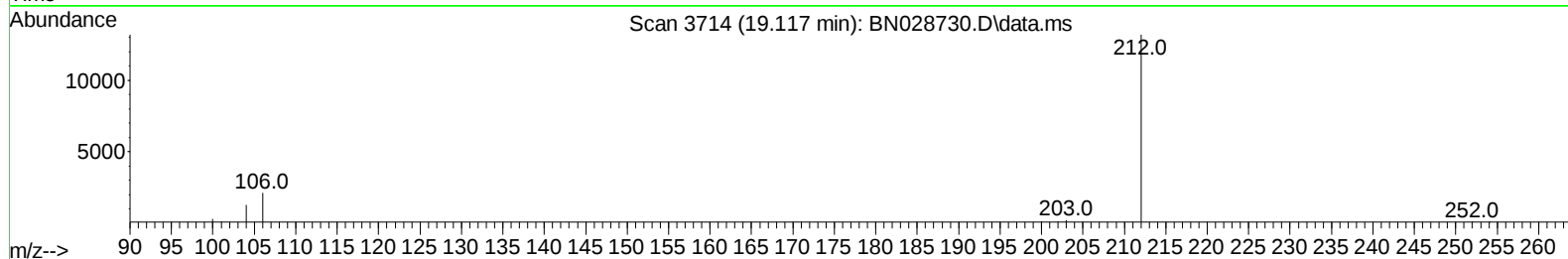
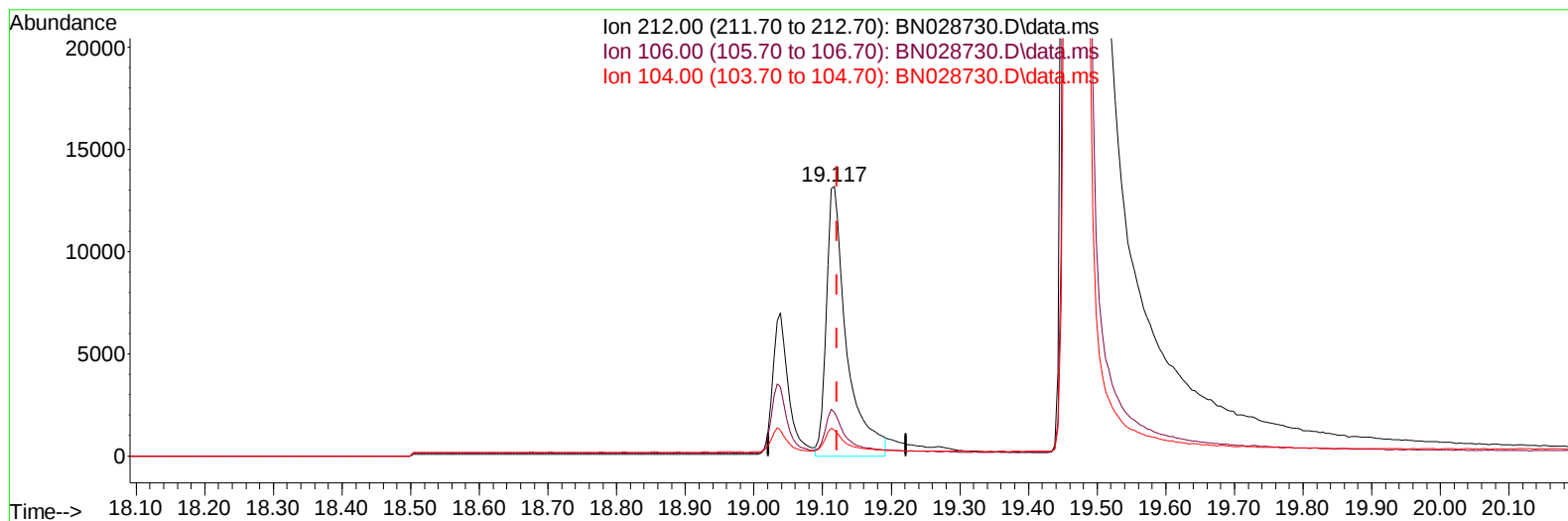
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 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: BN028730.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.117min (-0.005) 0.43 ng/ul m

response 27119

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

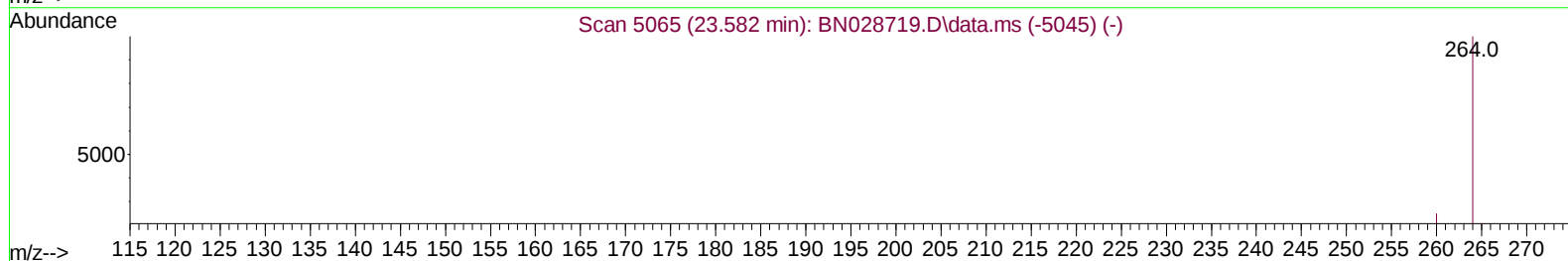
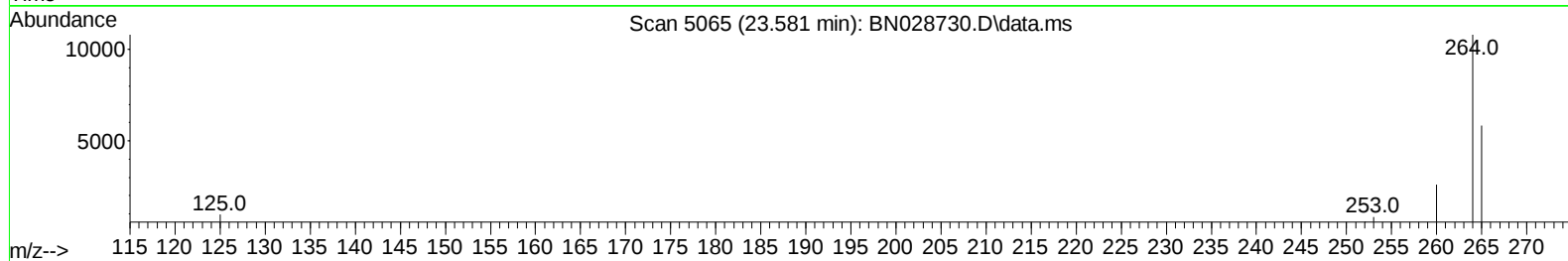
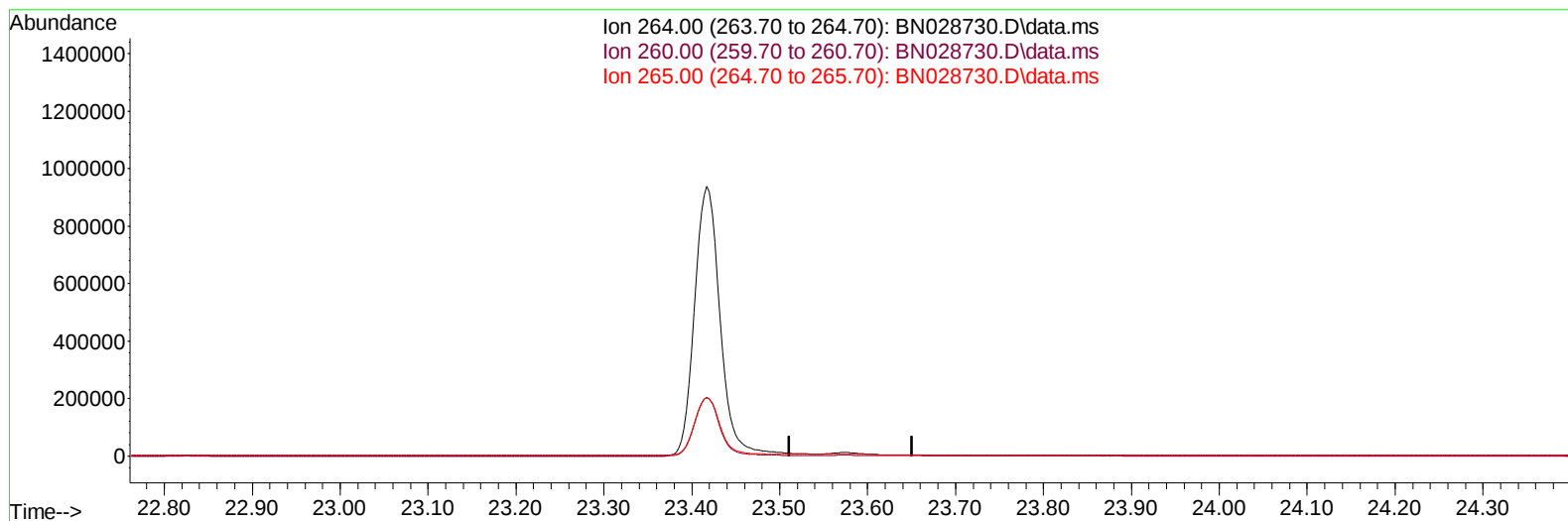
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

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TIC: BN028730.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

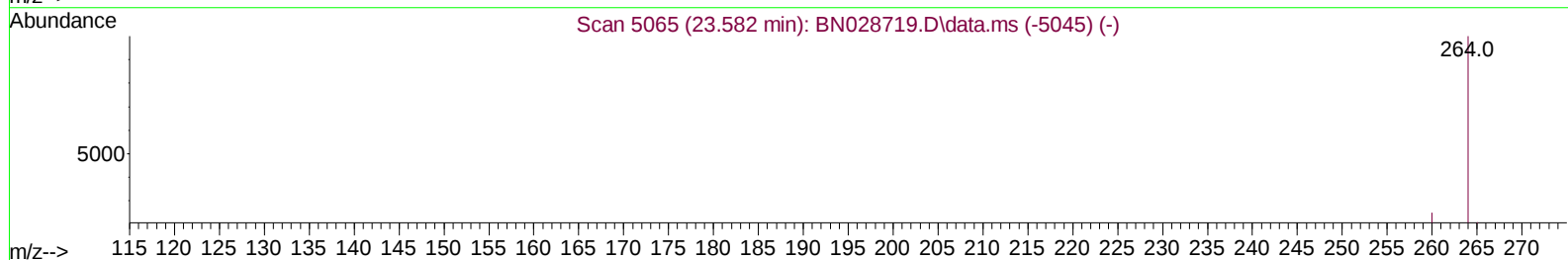
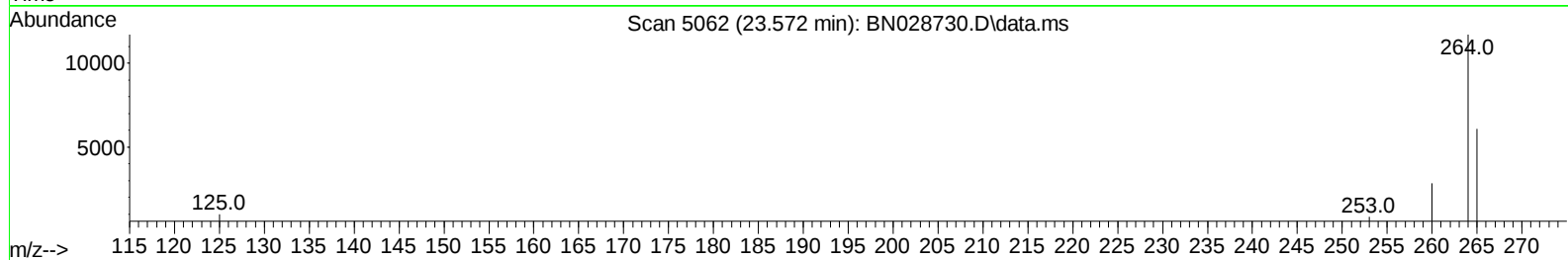
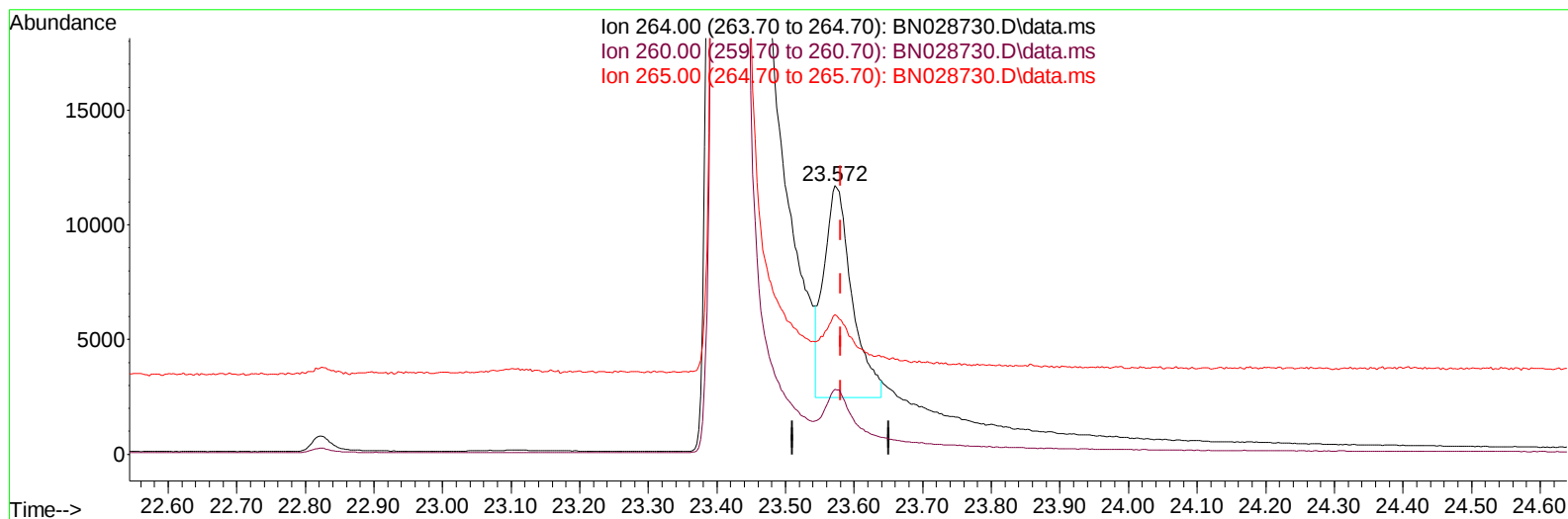
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

Quant Time: Nov 18 23:42:58 2023
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TIC: BN028730.D\data.ms

(23) Perylene-d12 (I)

23.572min (-0.009) 0.40 ng/ul m

response 26411

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	24.13
265.00	38.80	51.95#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028730.D
 Acq On : 18 Nov 2023 09:19
 Operator : MA/JU
 Sample : 05369-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDN6

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	6493m	0.400	ng/ul	-0.08
4) Naphthalene-d8	10.473	136	20055m	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.320	164	14745m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.081	188	26662m	0.400	ng/ul	0.00
17) Chrysene-d12	21.301	240	19452m	0.400	ng/ul	0.00
23) Perylene-d12	23.572	264	26411m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.112	96	33713	4.698	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.123	152	7549m	0.250	ng/ul	0.01
18) Fluoranthene-d10	19.117	212	27119m	0.433	ng/ul	0.00

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

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