

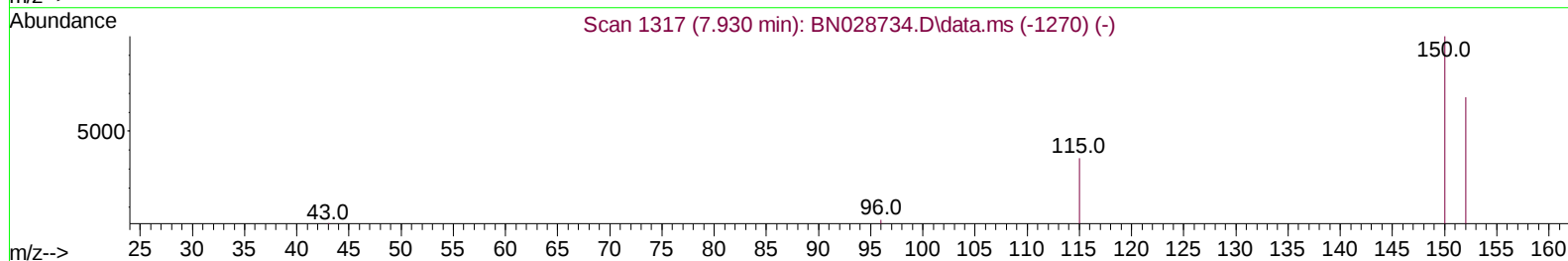
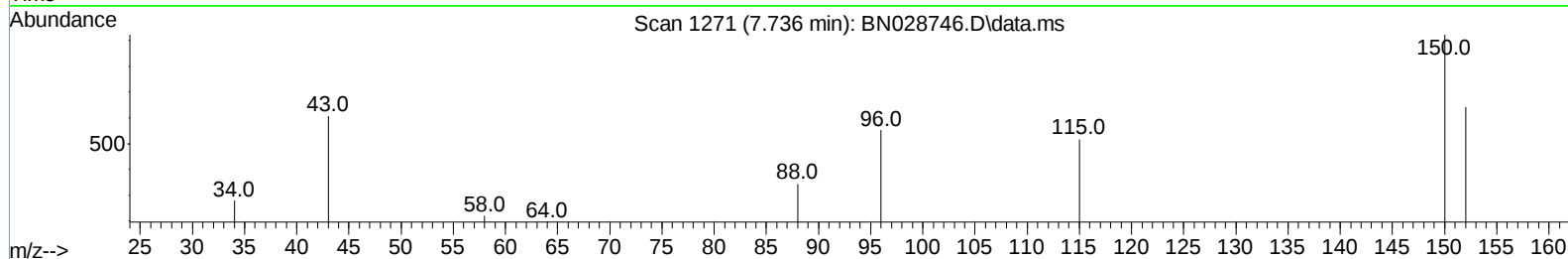
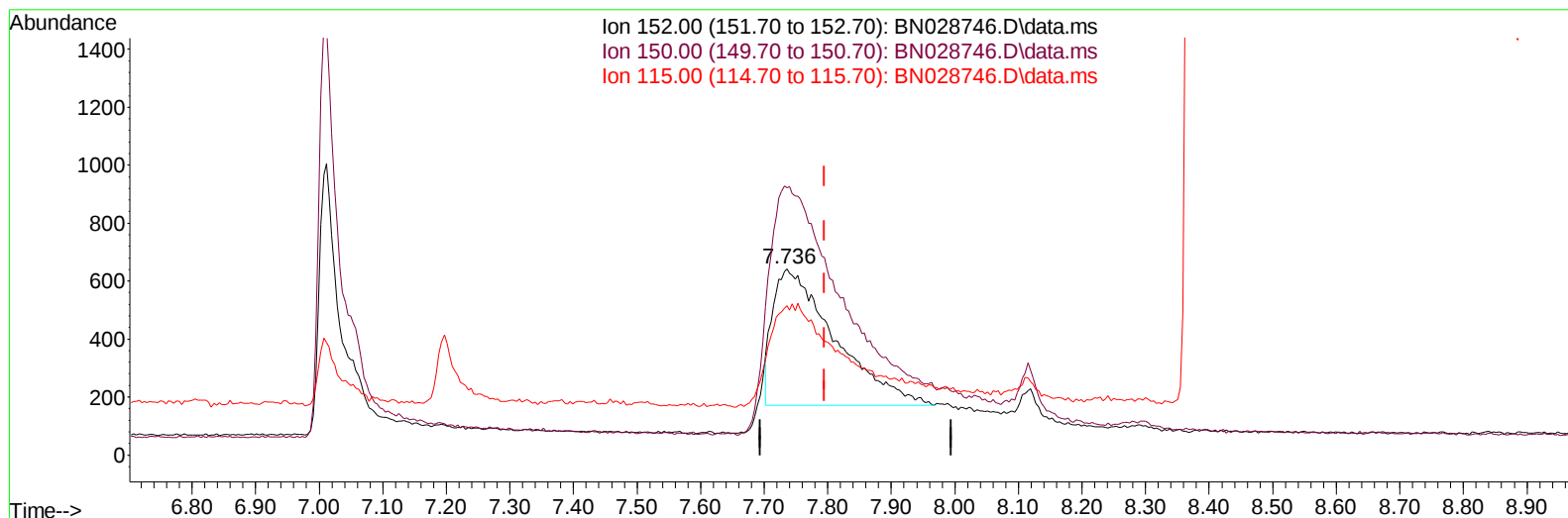
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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: BN028746.D\data.ms

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

7.736min (-0.059) 0.40 ng/u1

response 3178

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	143.61
115.00	62.20	80.37#
0.00	0.00	0.00

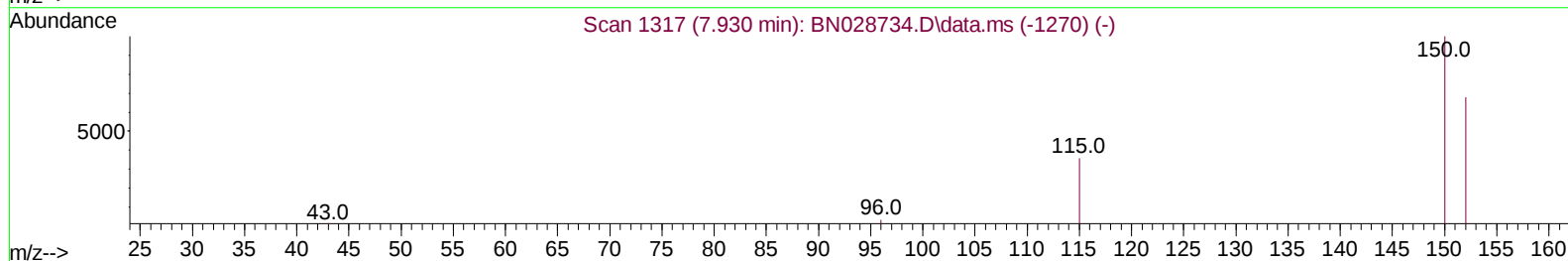
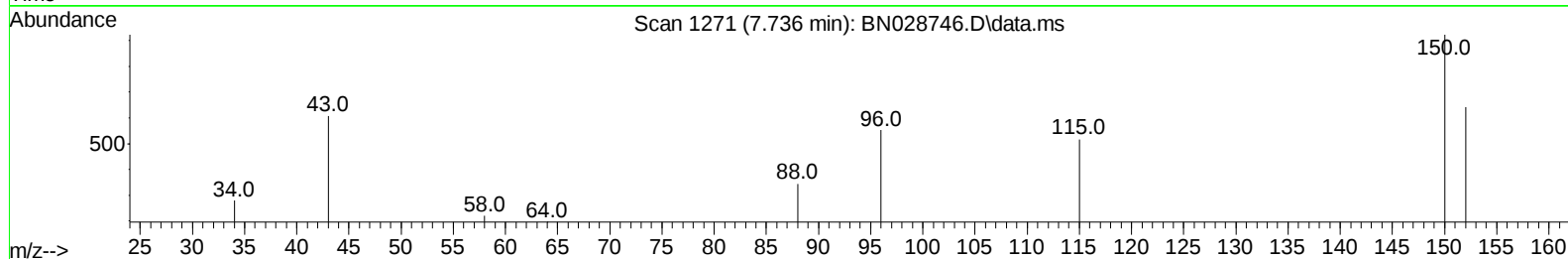
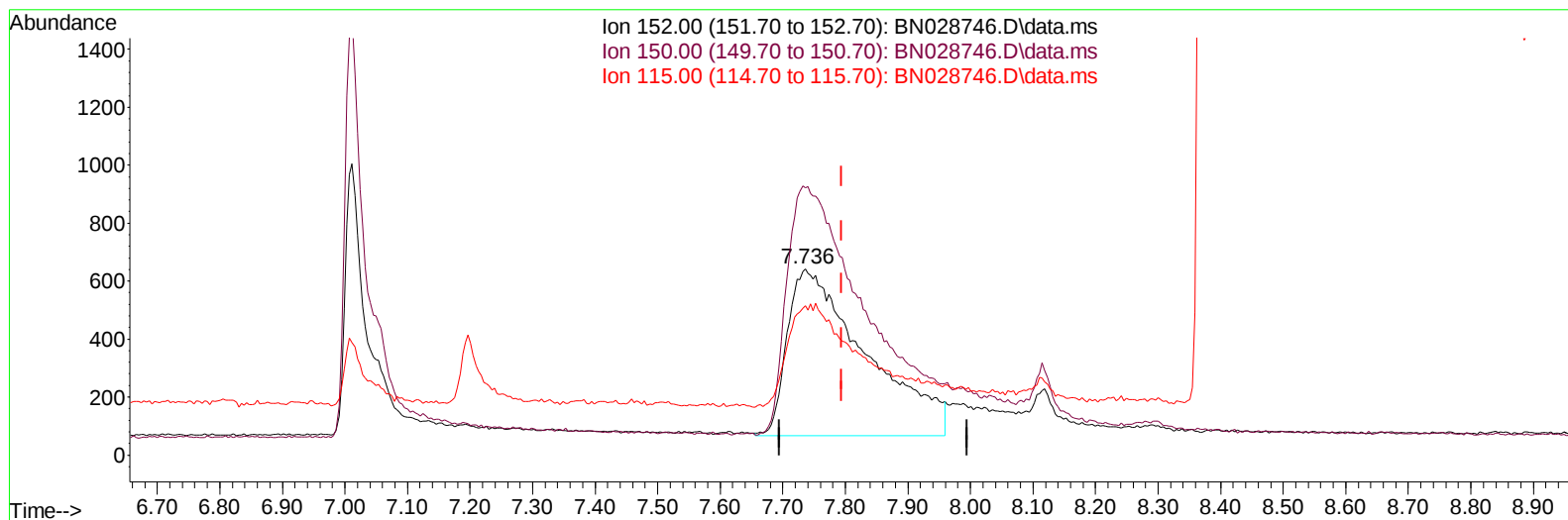
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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: BN028746.D\data.ms

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

7.736min (-0.059) 0.40 ng/ul m

response 5019

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	155.30	143.61
115.00	62.20	80.37#
0.00	0.00	0.00

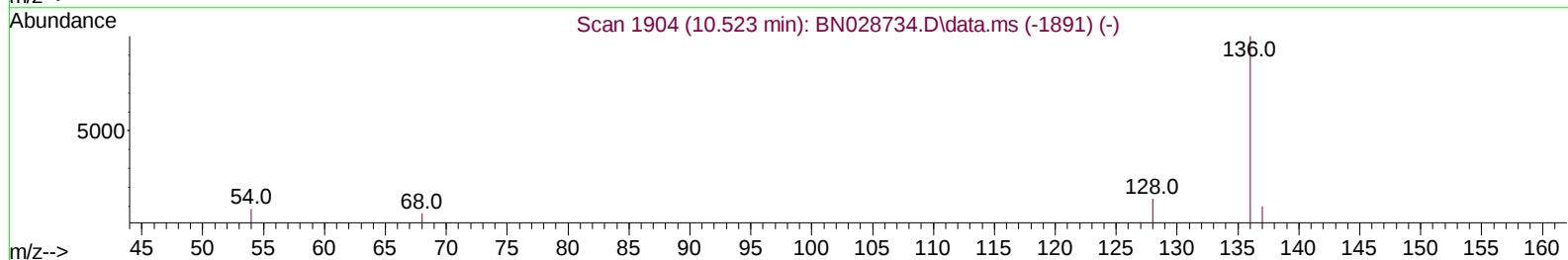
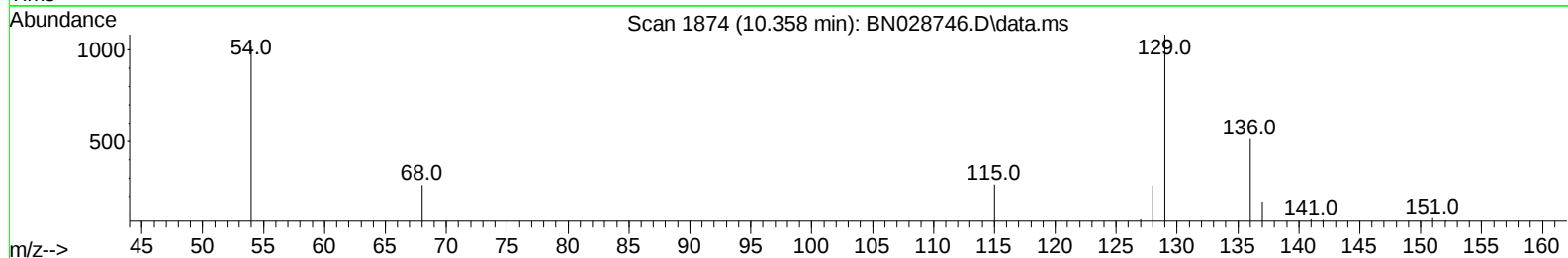
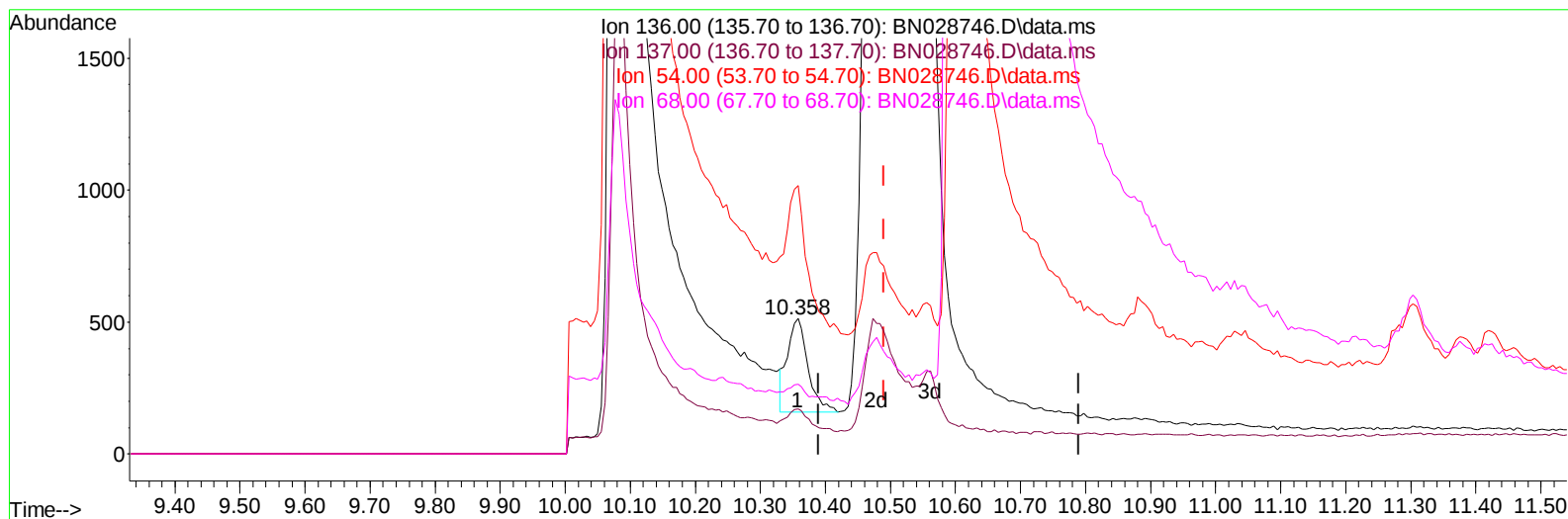
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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
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Reviewed By :Yogesh Patel 11/20/2023
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TIC: BN028746.D\data.ms

(4) Naphthalene-d8 (I)

10.358min (-0.132) 0.40 ng/u1

response 772

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	33.53#
54.00	9.00	198.25#
68.00	7.10	51.46#

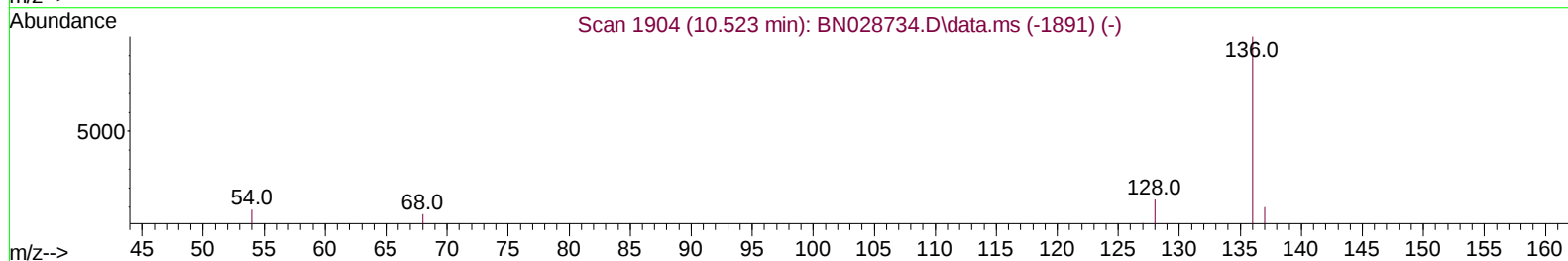
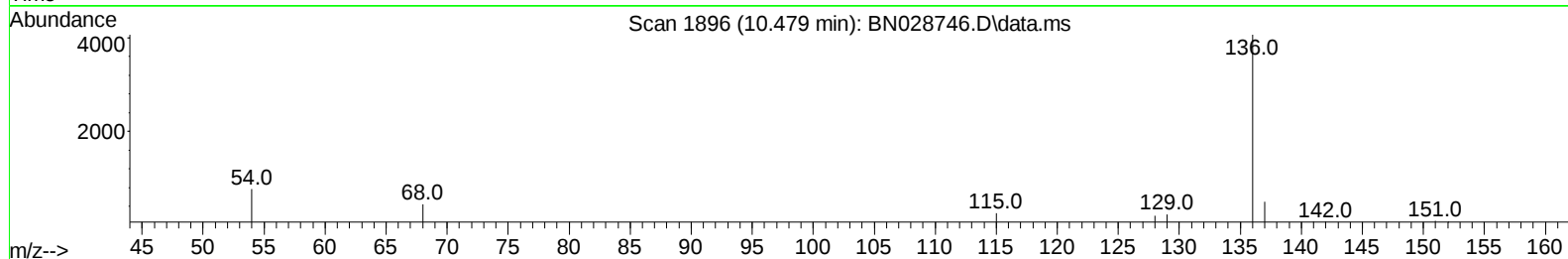
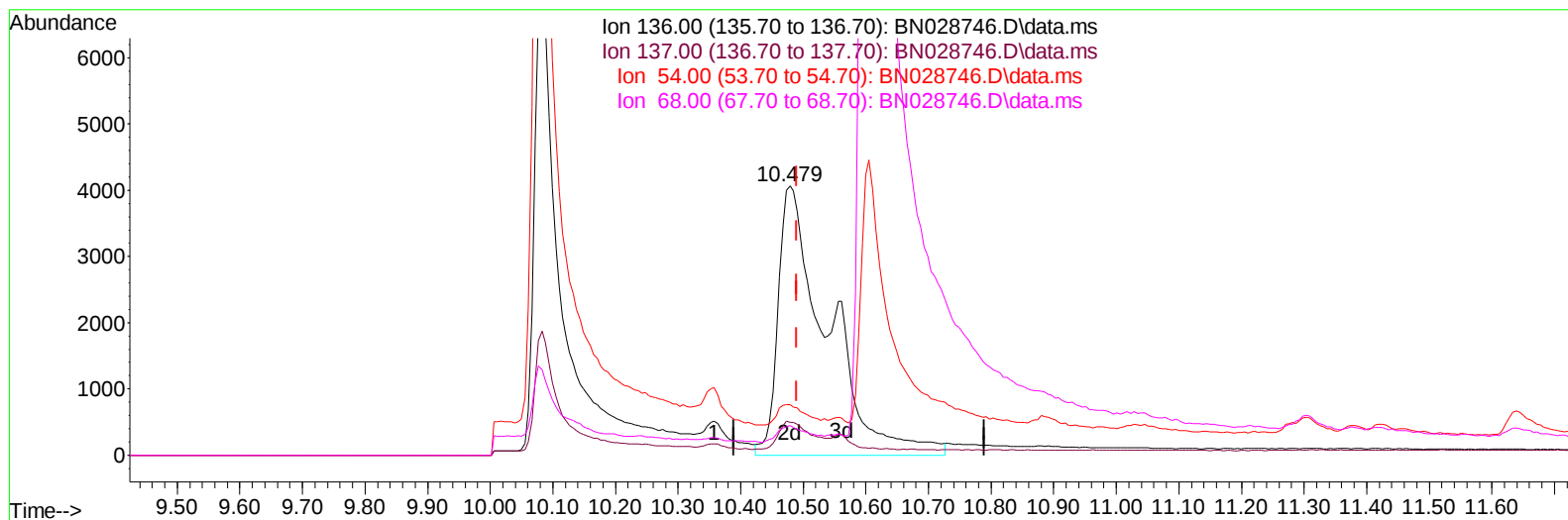
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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: BN028746.D\data.ms

(4) Naphthalene-d8 (I)

10.479min (-0.011) 0.40 ng/ul m

response 22206

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	11.20	12.21
54.00	9.00	18.78#
68.00	7.10	10.88#

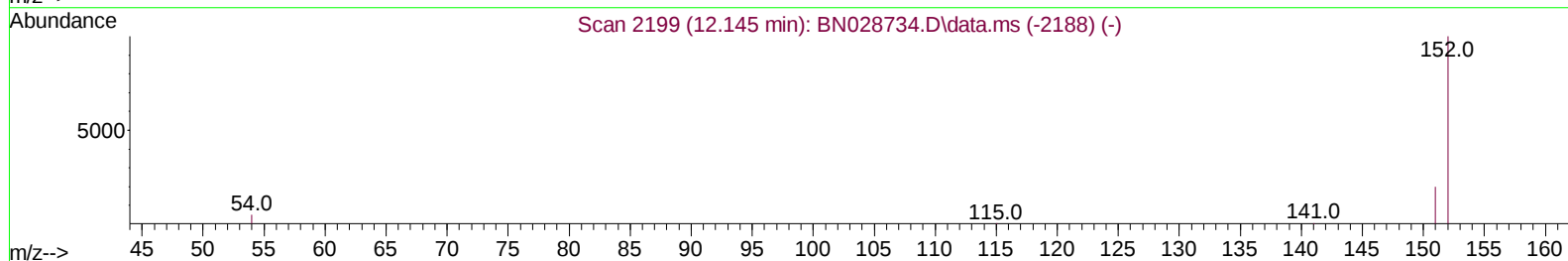
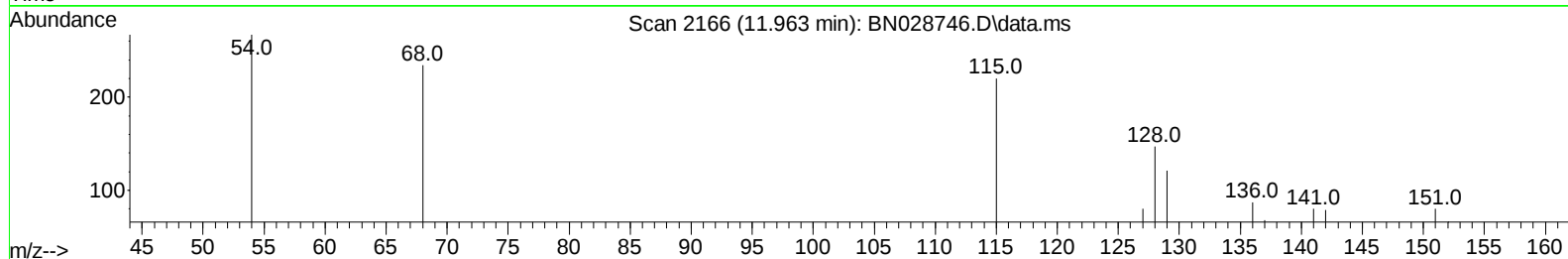
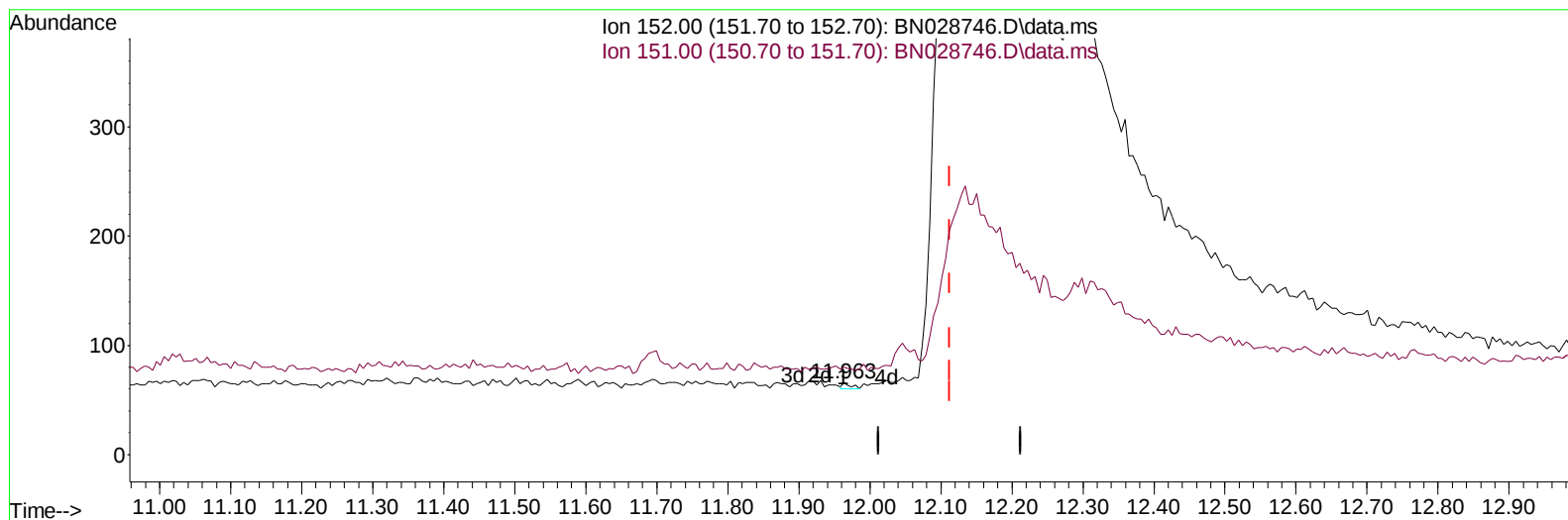
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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
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TIC: BN028746.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

11.963min (-0.149) 0.00 ng/u1

response

5

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

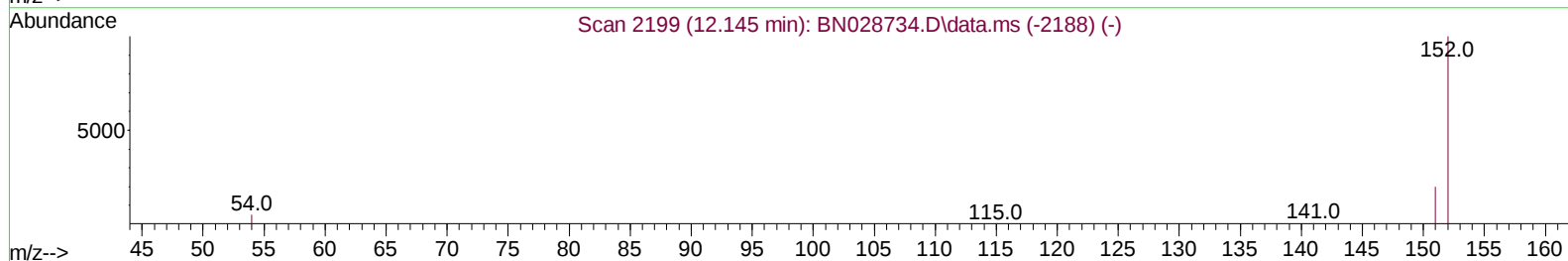
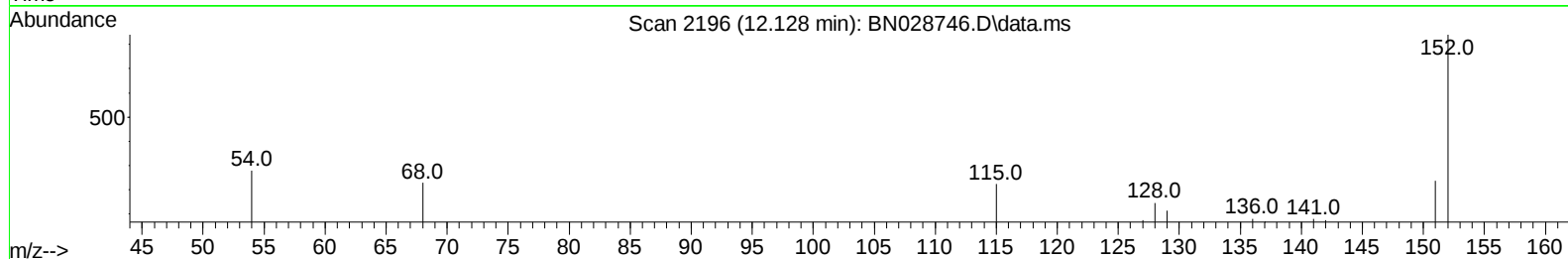
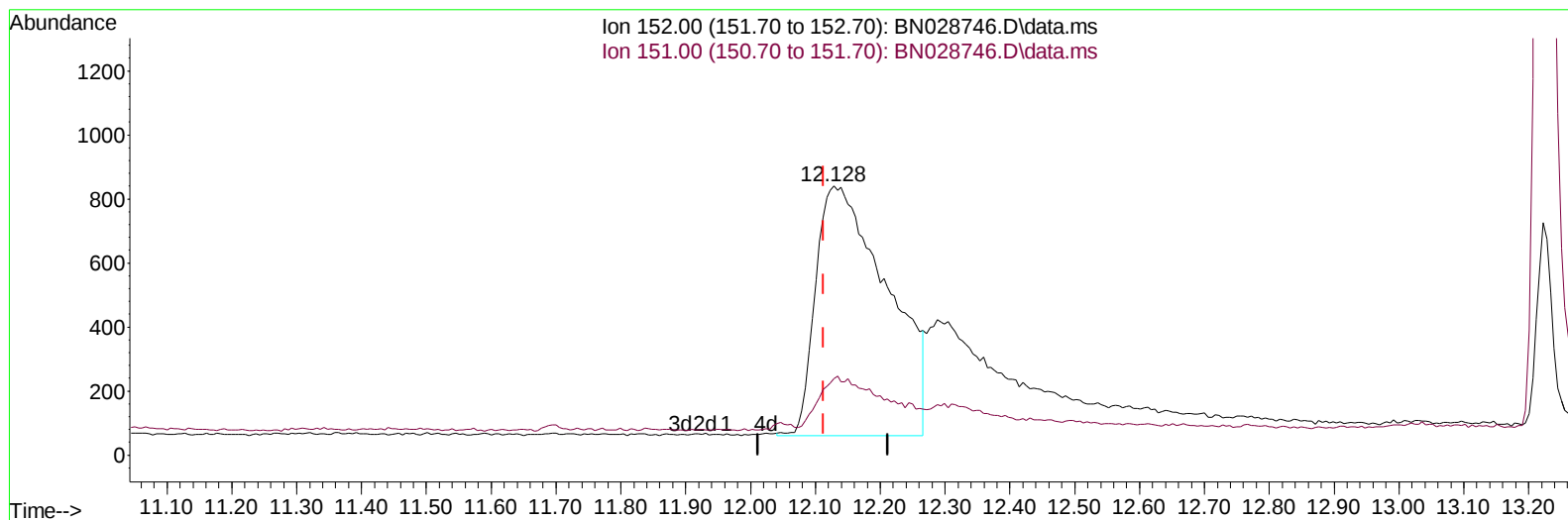
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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
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Reviewed By :Yogesh Patel 11/20/2023
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TIC: BN028746.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.128min (+ 0.016) 0.18 ng/ul m

response 5993

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.50	0.08#
0.00	0.00	0.00
0.00	0.00	0.00

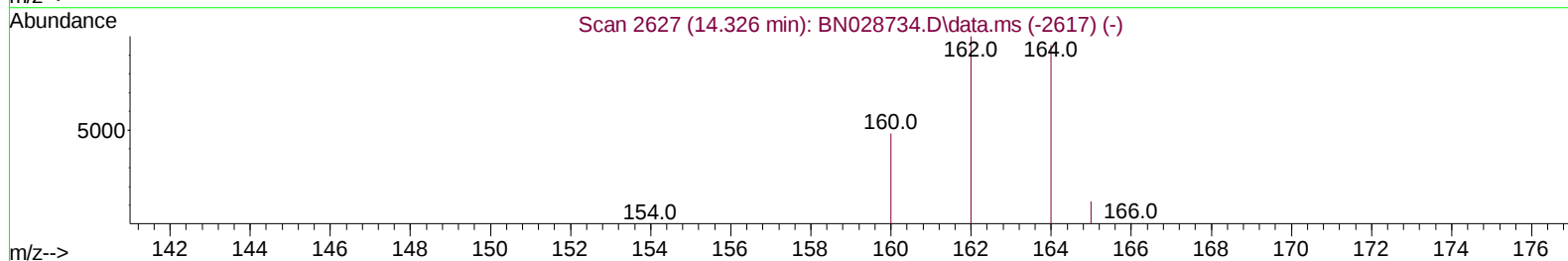
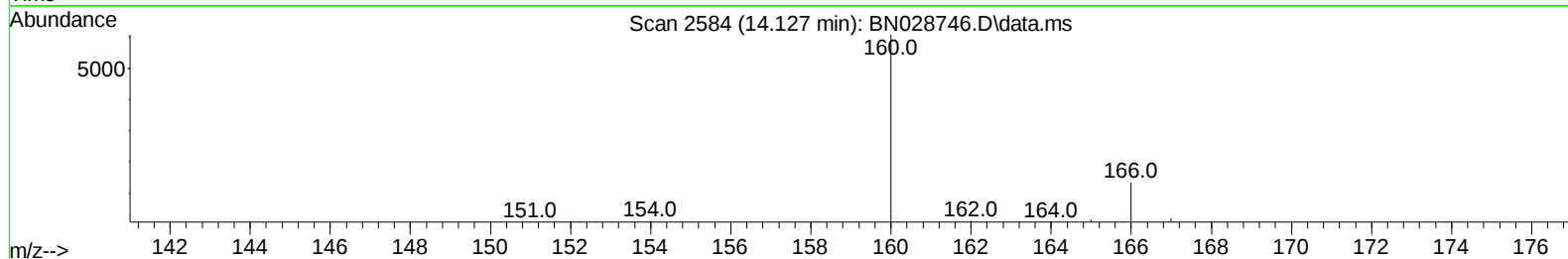
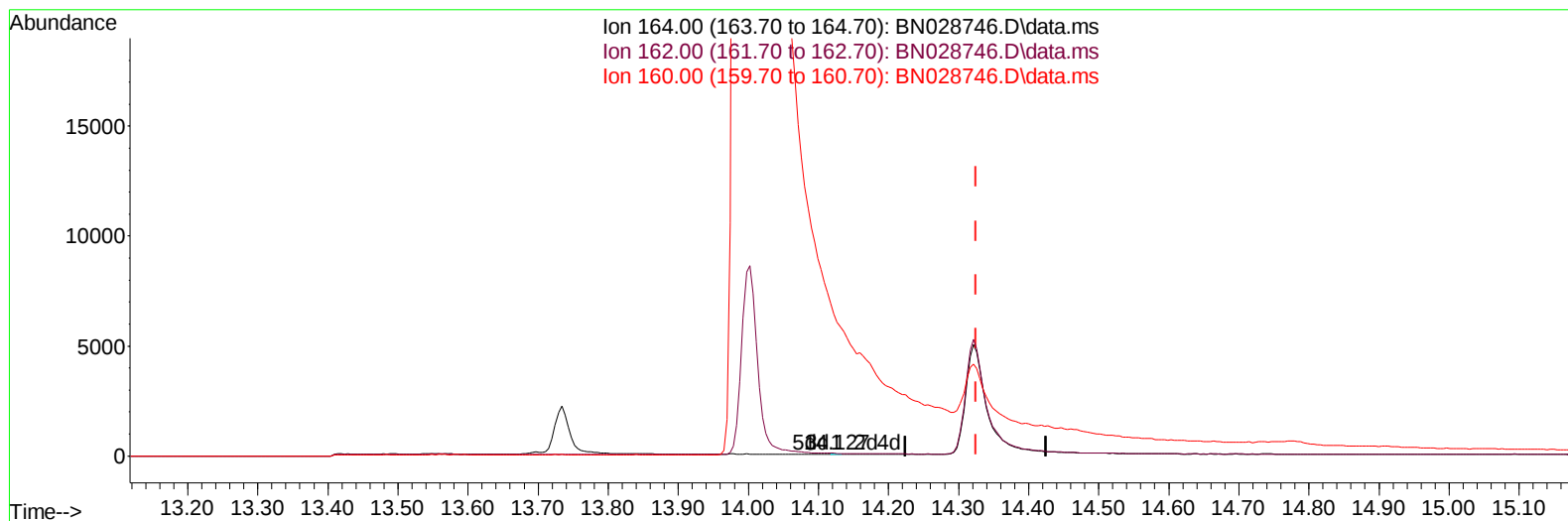
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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: BN028746.D\data.ms

(9) Acenaphthene-d10 (I)

14.127min (-0.198) 0.40 ng/u1

response 2

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	145.57#
160.00	49.20	7692.41#
0.00	0.00	0.00

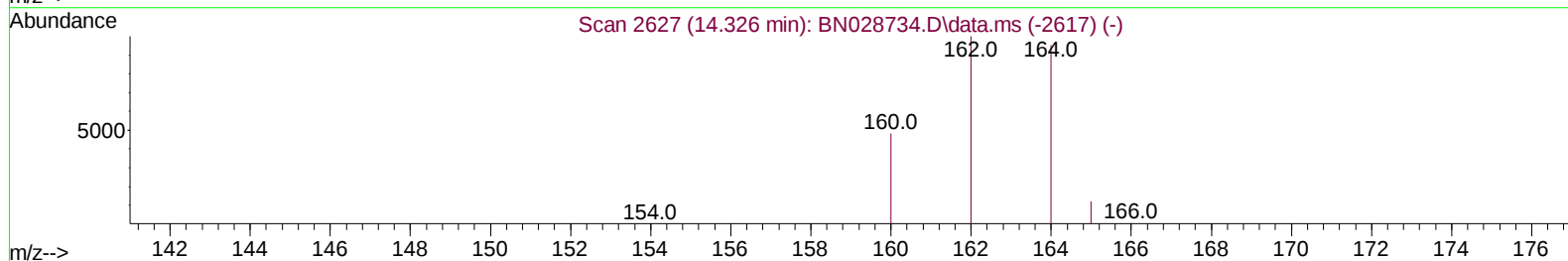
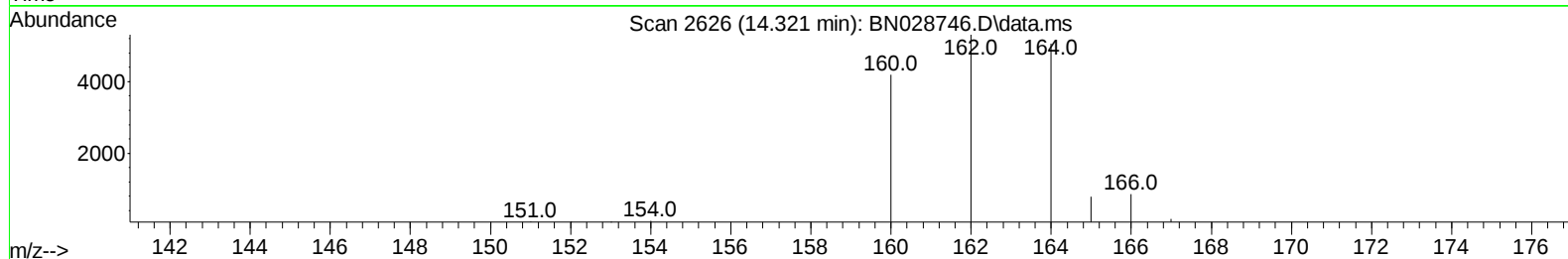
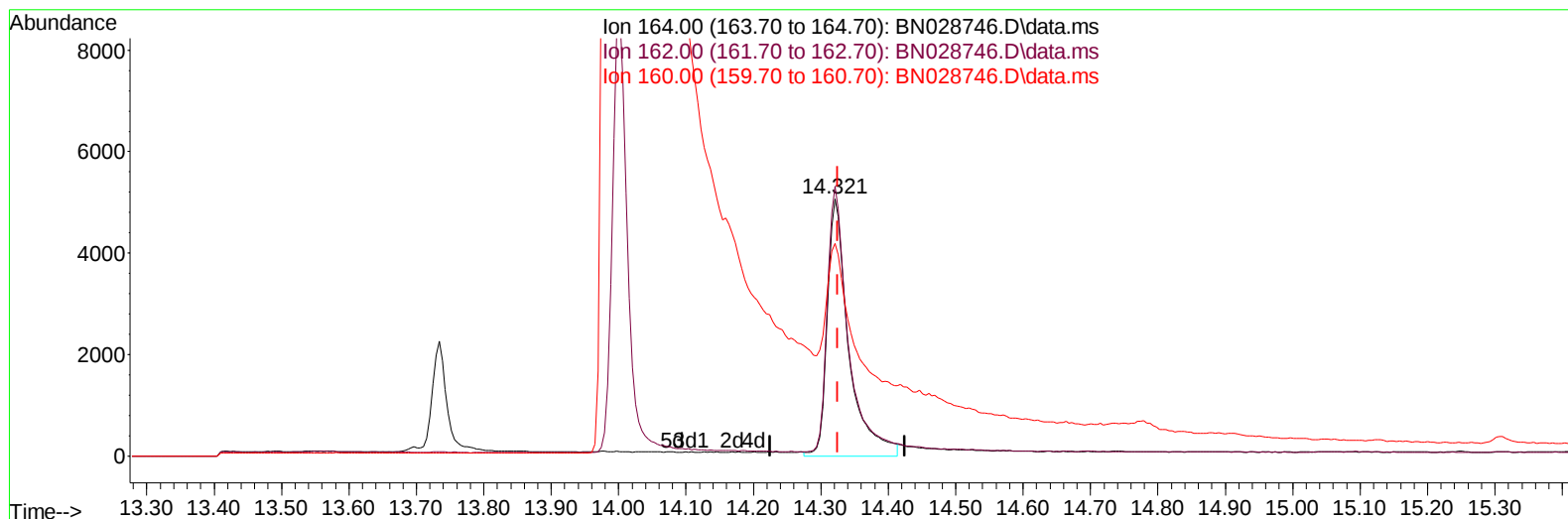
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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: BN028746.D\data.ms

(9) Acenaphthene-d10 (I)

14.321min (-0.004) 0.40 ng/u1 m

response 11177

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	103.90	104.81
160.00	49.20	82.70#
0.00	0.00	0.00

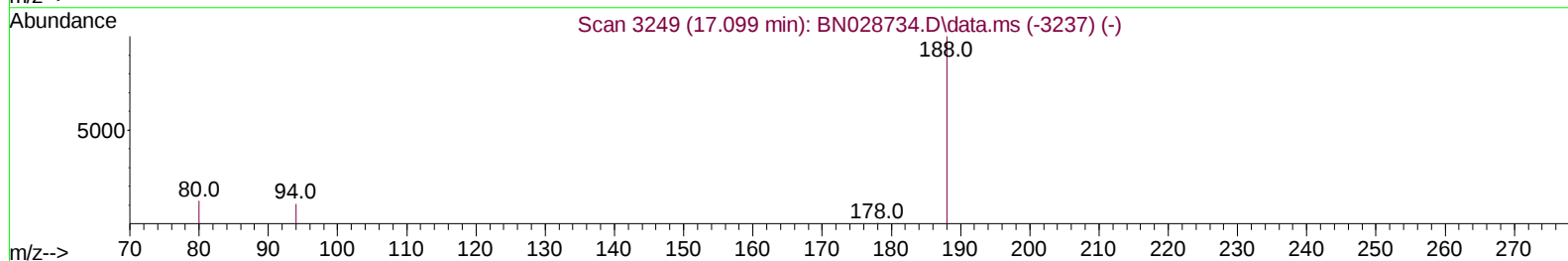
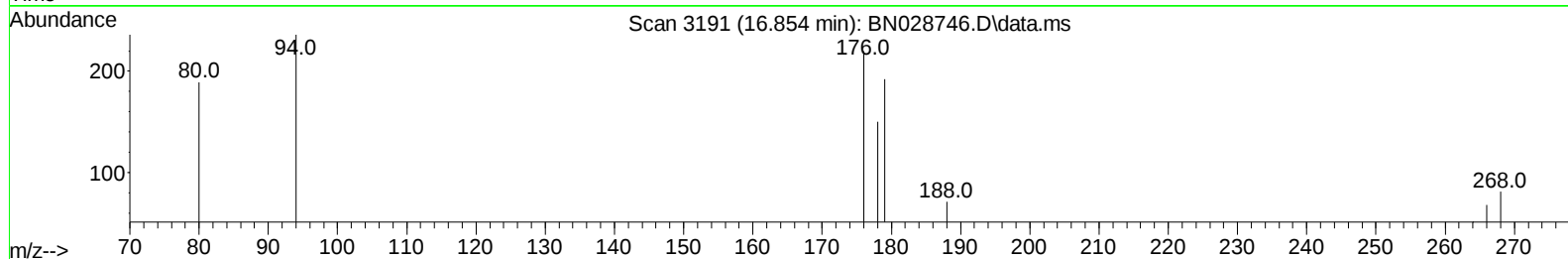
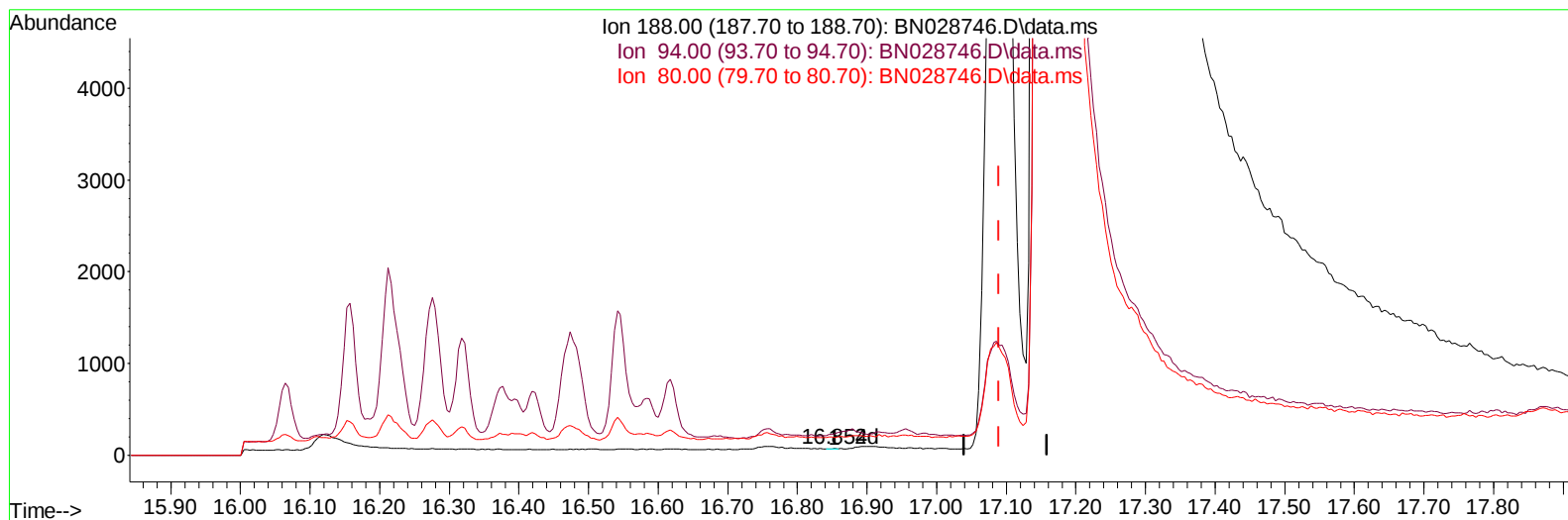
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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
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 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028746.D\data.ms

(13) Phenanthrene-d10 (I)

16.854min (-0.236) 0.40 ng/u1

response 3

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	332.39#
80.00	10.90	266.20#
0.00	0.00	0.00

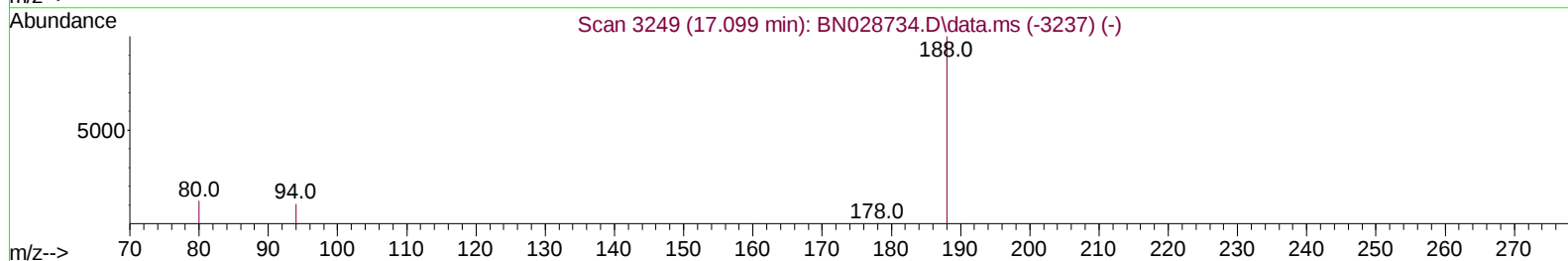
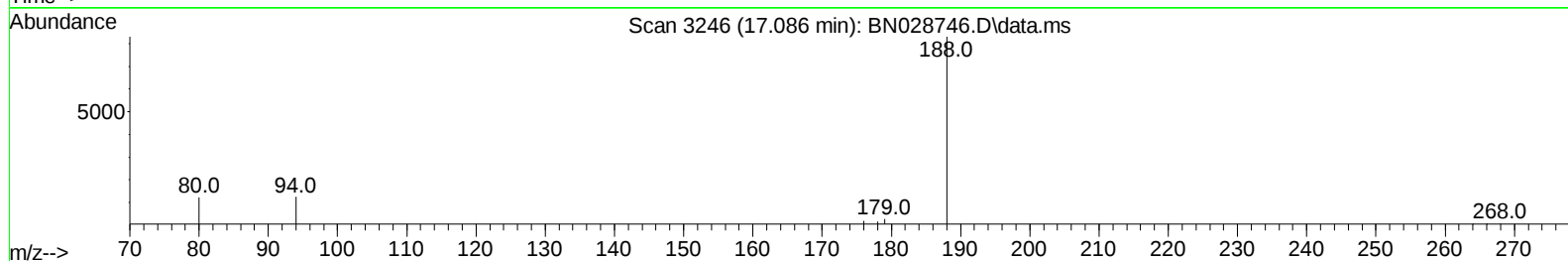
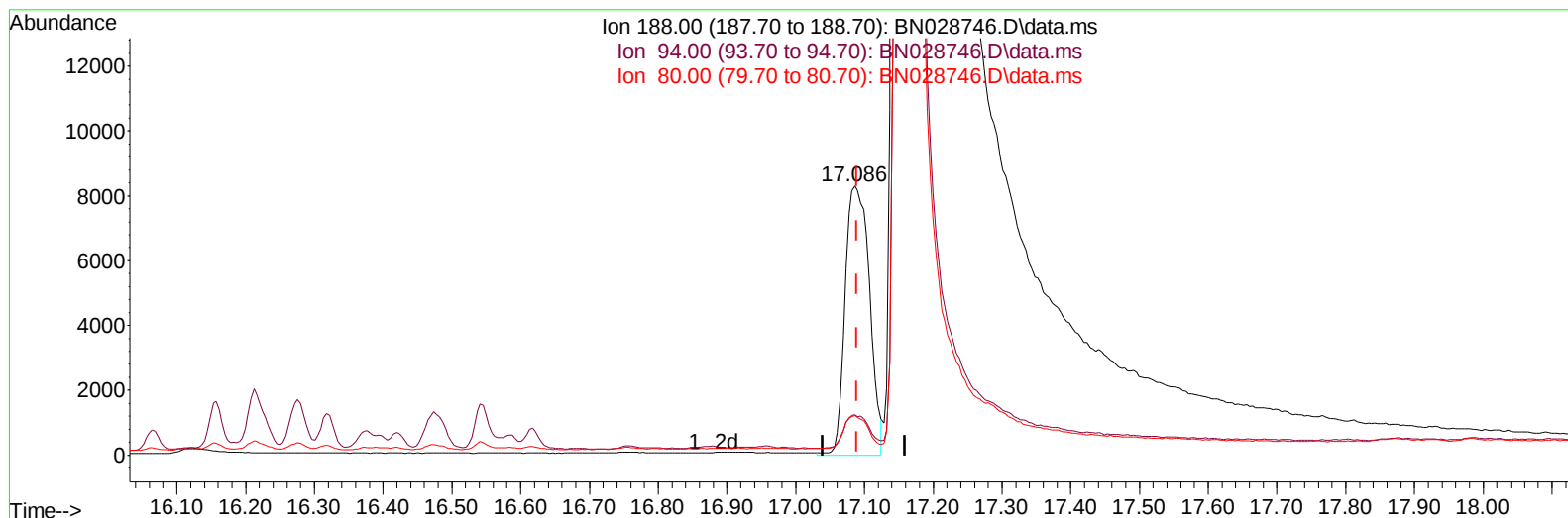
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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
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Reviewed By :Yogesh Patel 11/20/2023
 Supervised By :mohammad ahmed 11/20/2023



TIC: BN028746.D\data.ms

(13) Phenanthrene-d10 (I)

17.086min (-0.004) 0.40 ng/ul m

response 20459

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	14.99#
80.00	10.90	14.76#
0.00	0.00	0.00

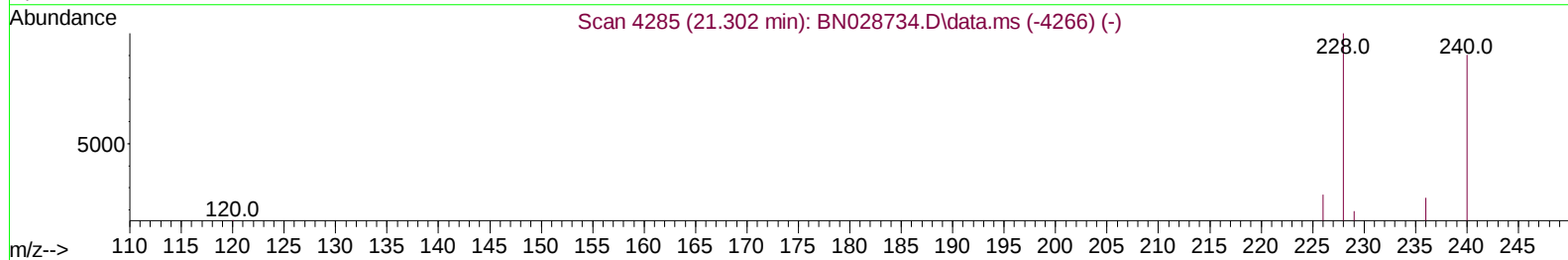
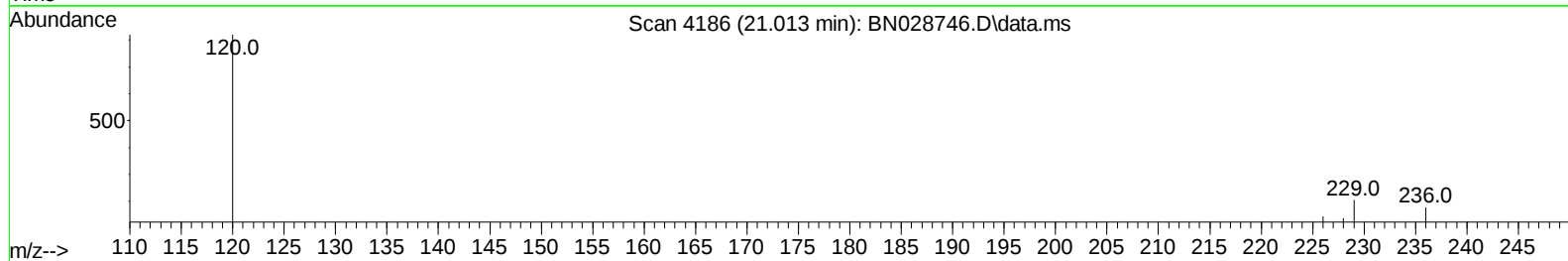
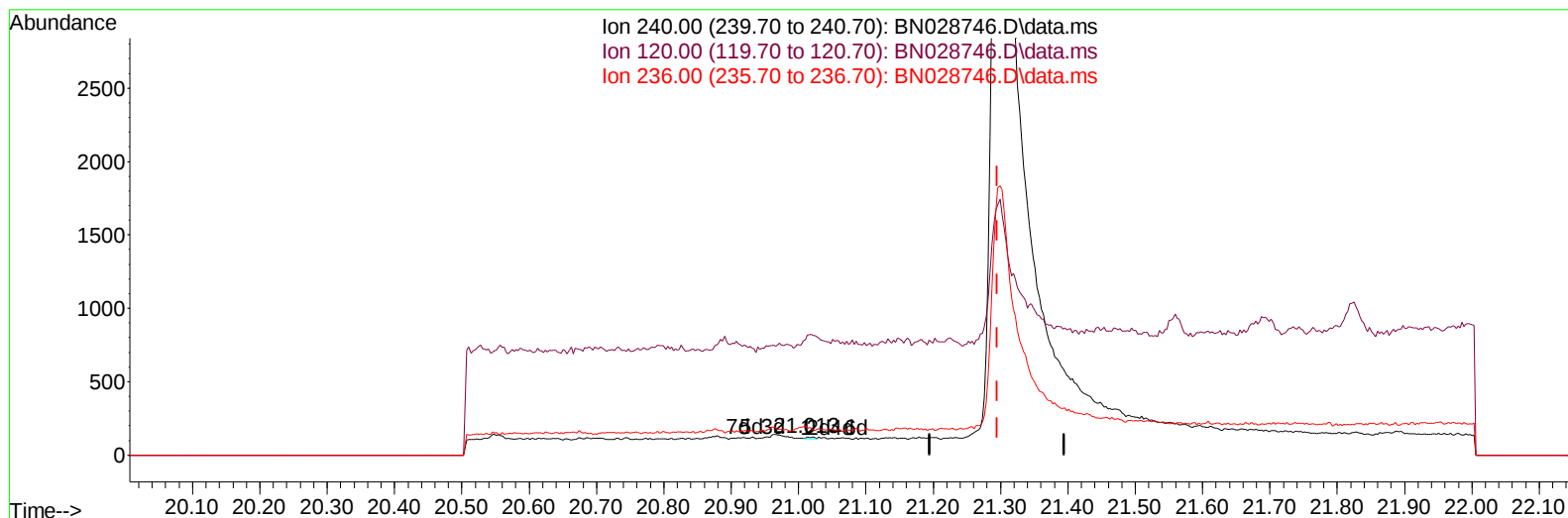
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 2023
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 QLast Update : Fri Nov 17 09:39:27 2023
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TIC: BN028746.D\data.ms

(17) Chrysene-d12

21.013min (-0.283) 0.40 ng/u1

response 11

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	666.67#
236.00	28.00	144.72#
0.00	0.00	0.00

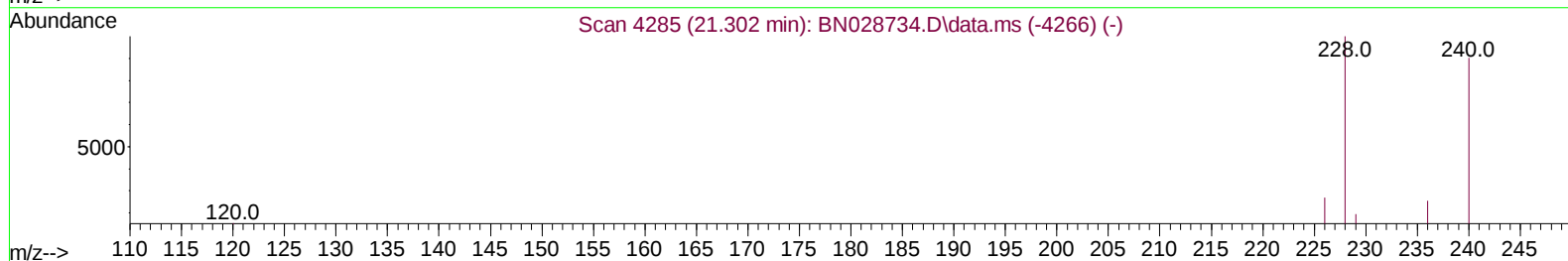
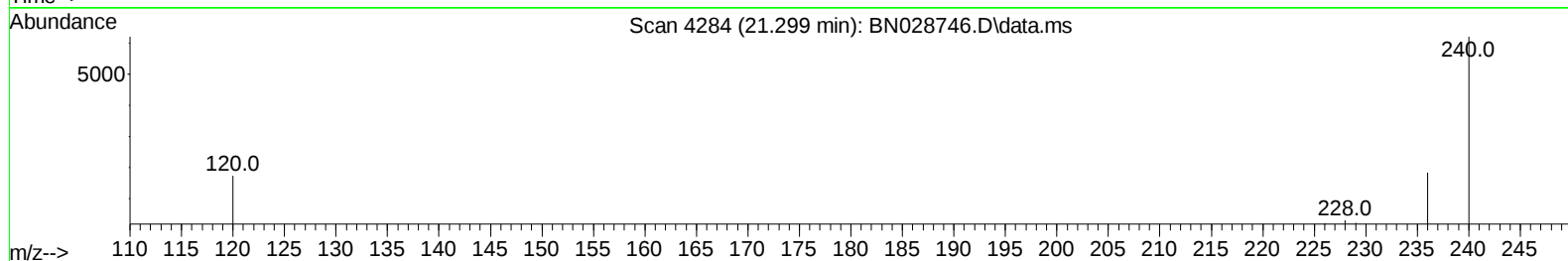
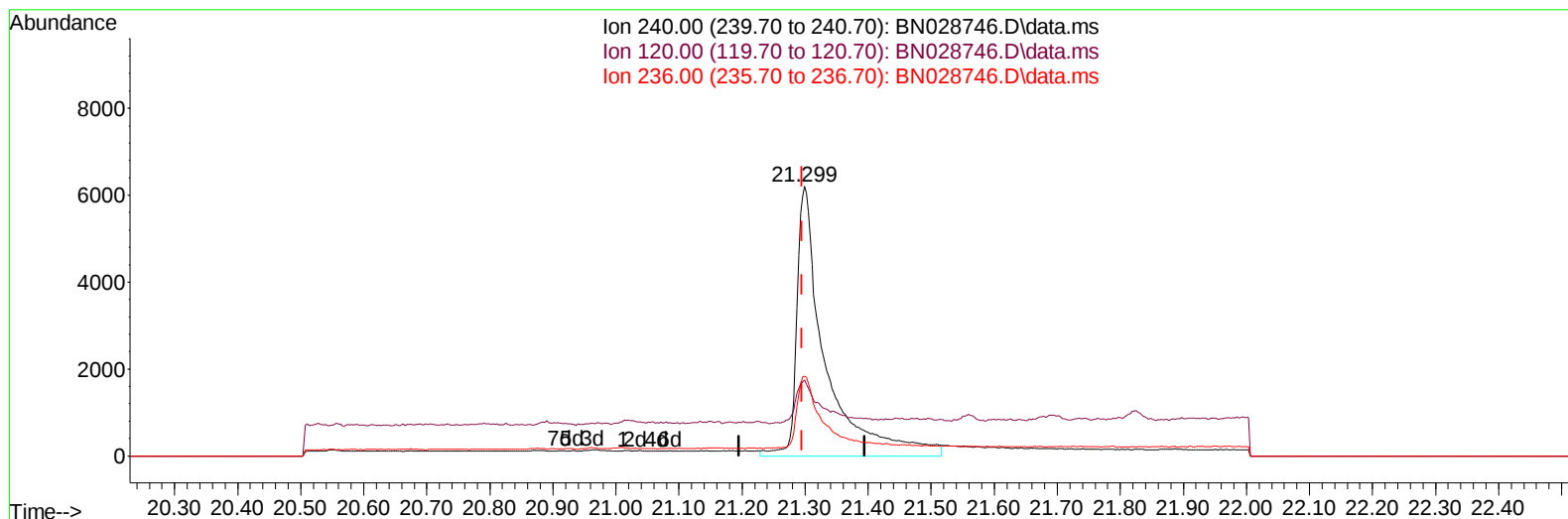
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 2023
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TIC: BN028746.D\data.ms

(17) Chrysene-d12

21.299min (+ 0.004) 0.40 ng/ul m

response 19479

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.00	28.10#
236.00	28.00	29.55
0.00	0.00	0.00

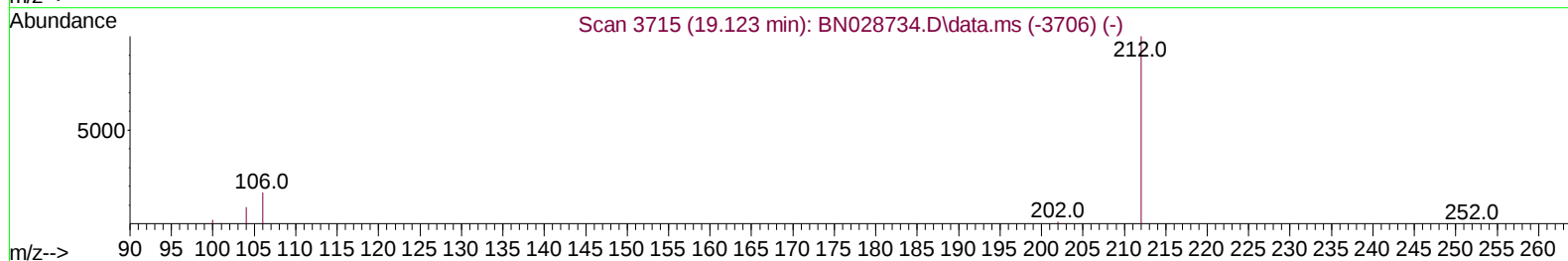
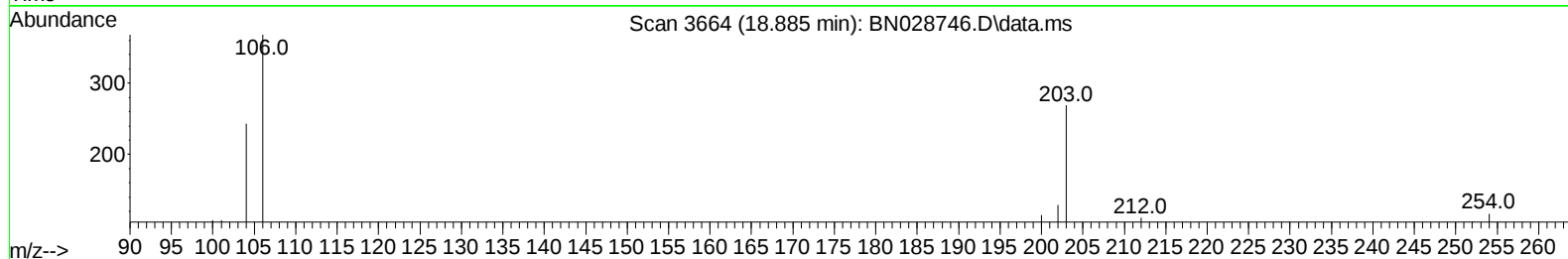
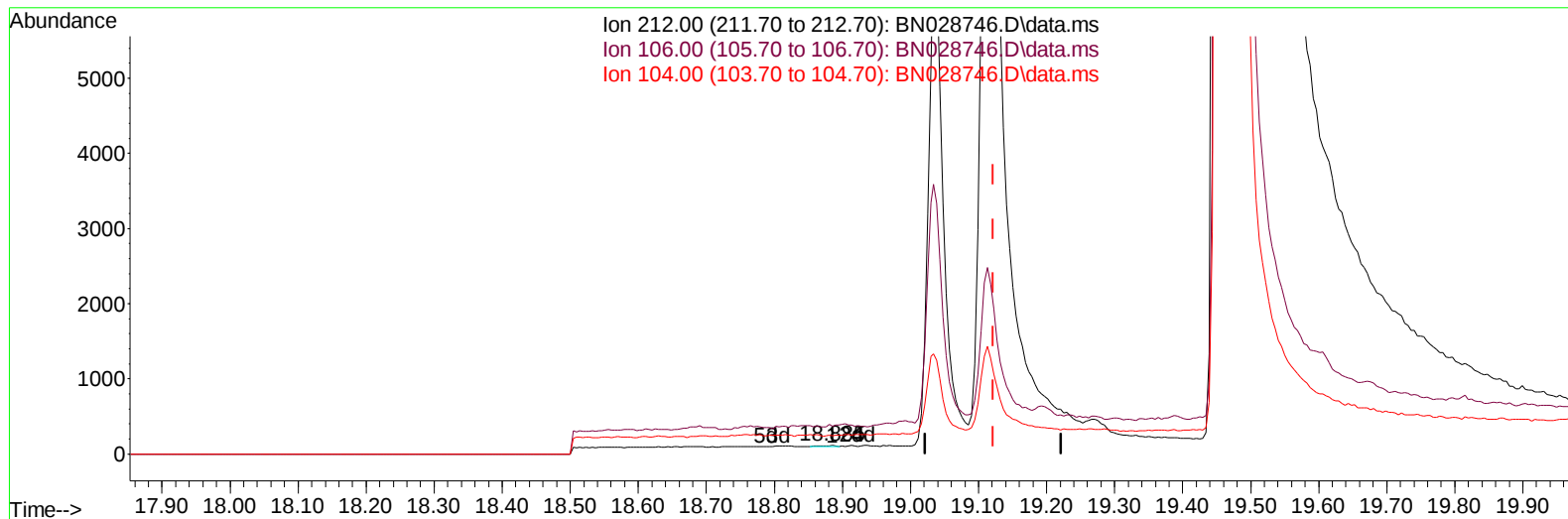
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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: BN028746.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.885min (-0.236) 0.00 ng/u1

response 20

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.80	105.00#
104.00	8.30	0.00#
0.00	0.00	0.00

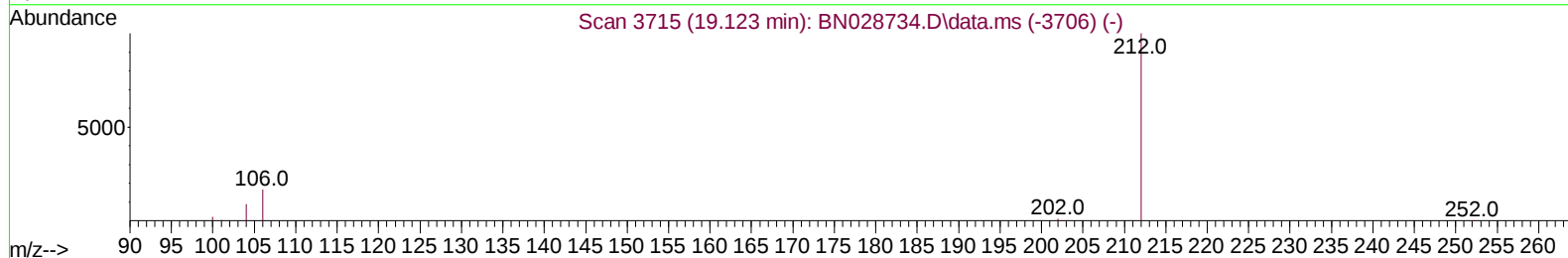
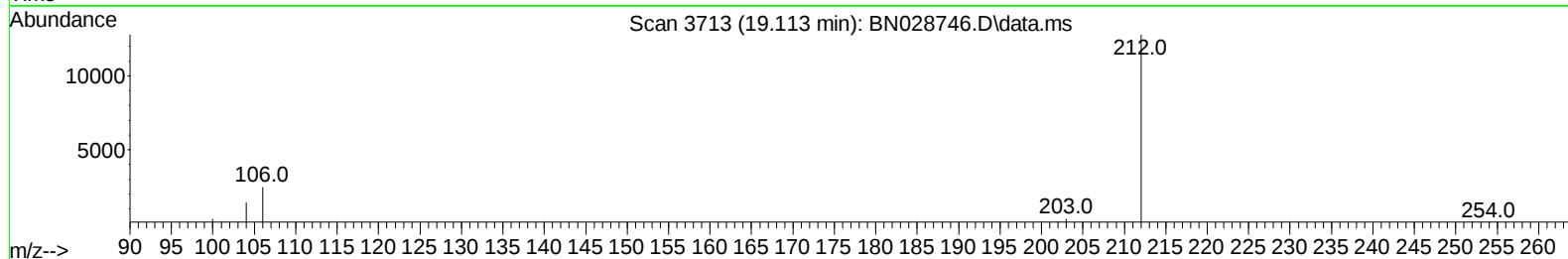
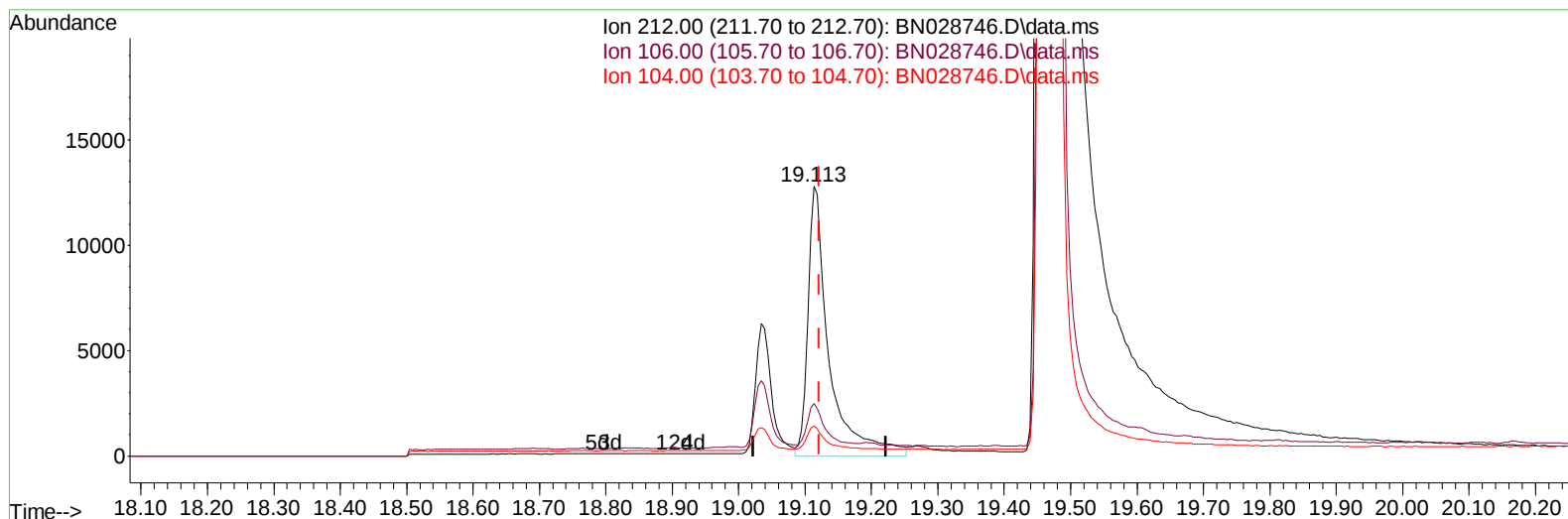
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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: BN028746.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.113min (-0.009) 0.45 ng/u1 m

response 28311

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

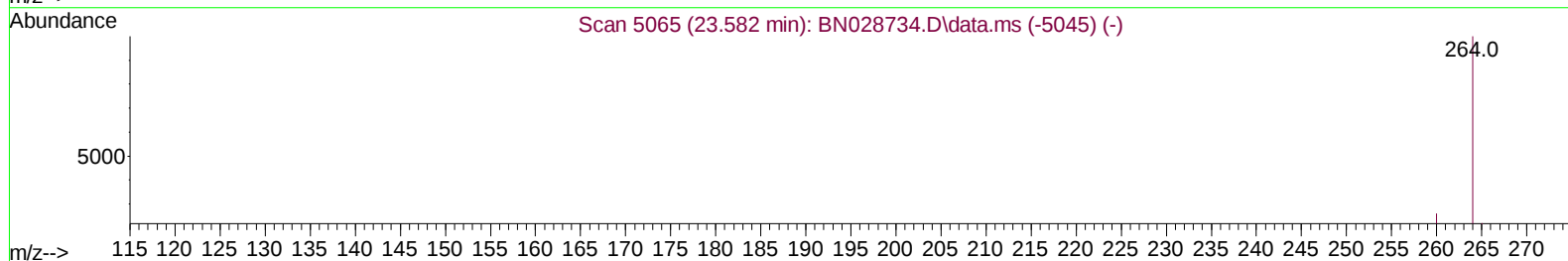
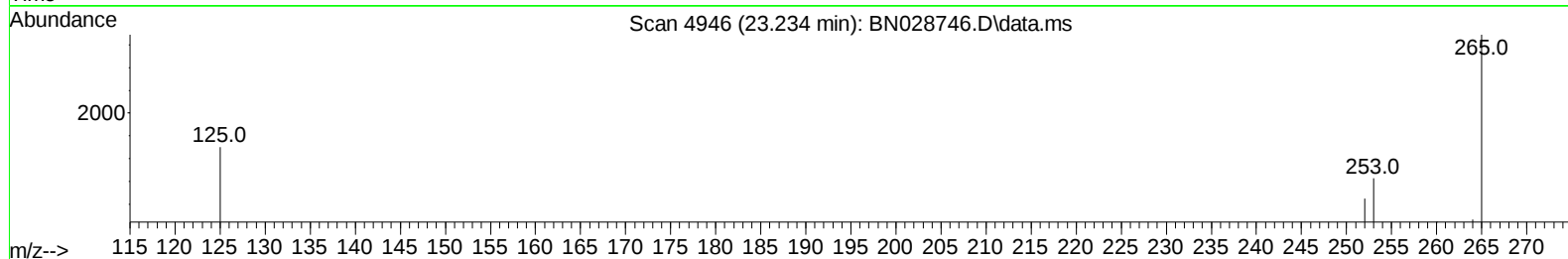
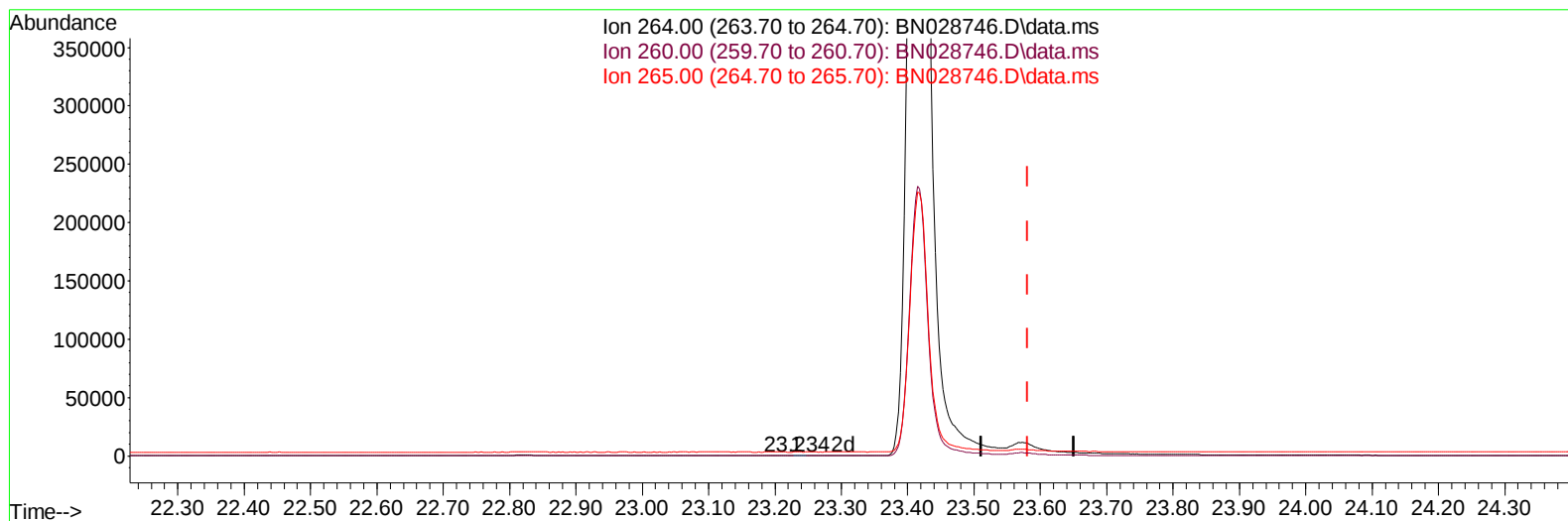
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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TIC: BN028746.D\data.ms

(23) Perylene-d12 (I)

23.234min (-0.347) 0.40 ng/u1

response 9

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	68.94#
265.00	38.80	2556.06#
0.00	0.00	0.00

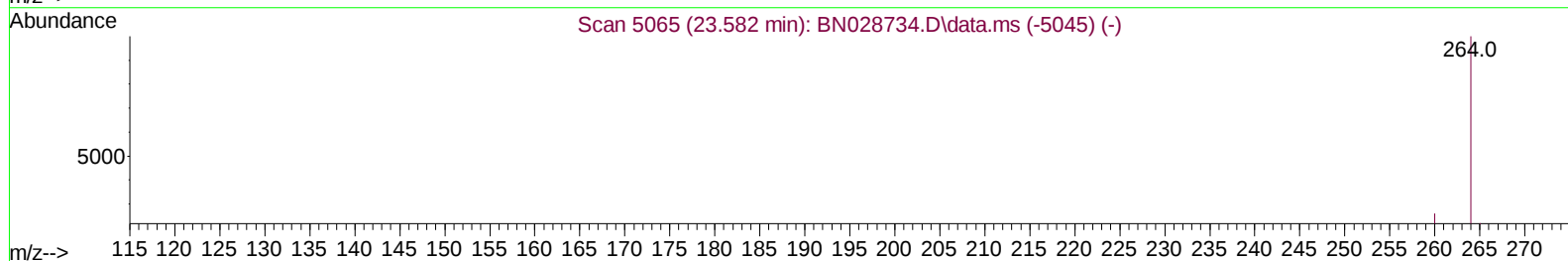
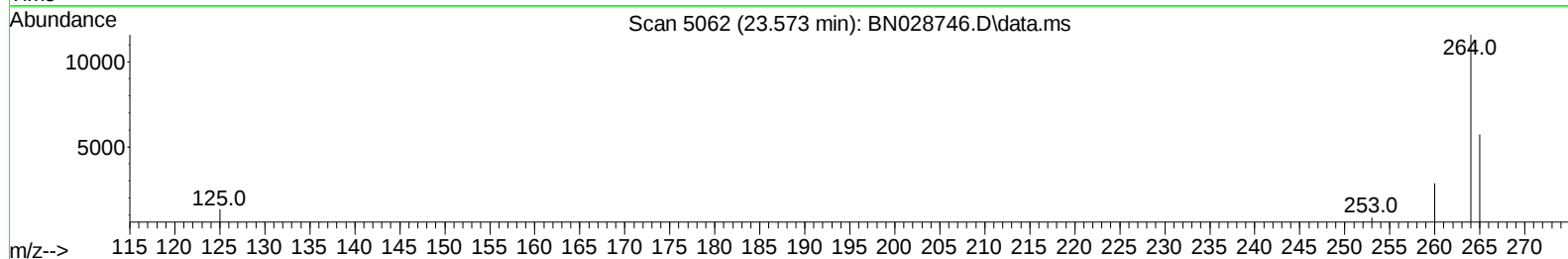
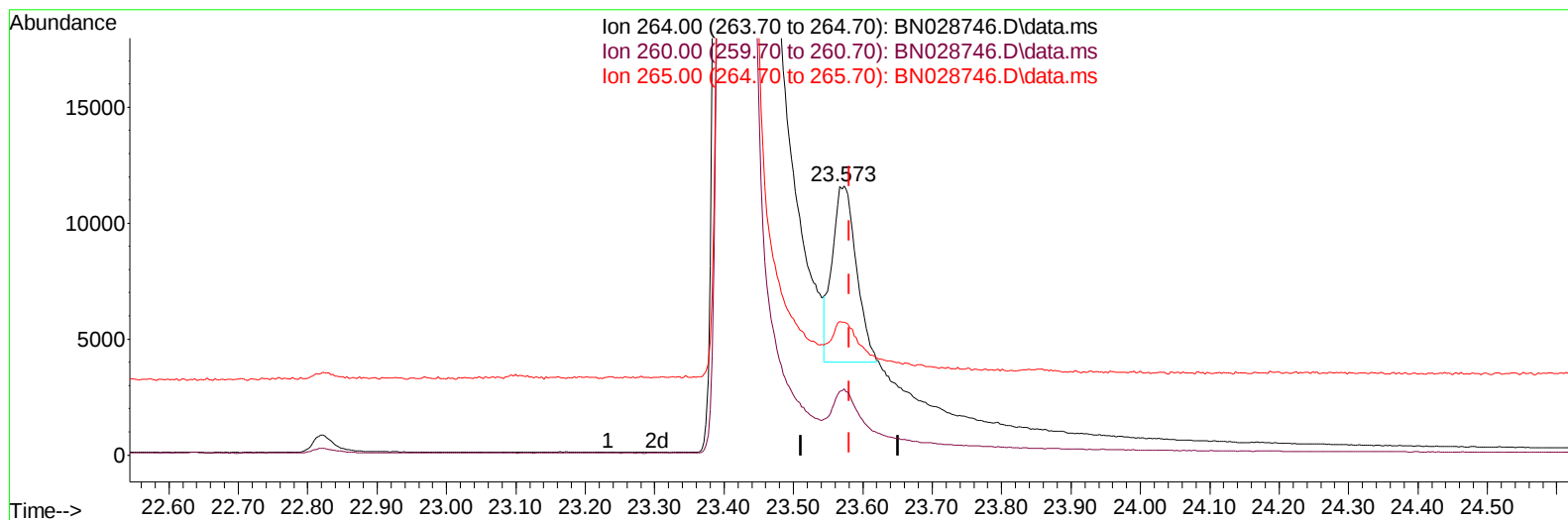
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111523\
Data File : BN028746.D
Acq On : 18 Nov 2023 19:29
Operator : MA/JU
Sample : 05370-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GCDP8

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:02:50 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
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TIC: BN028746.D\data.ms

(23) Perylene-d12 (I)

23.573min (-0.008) 0.40 ng/ul m

response 18458

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.40	24.59
265.00	38.80	49.45#
0.00	0.00	0.00

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 Data File : BN028746.D
 Acq On : 18 Nov 2023 19:29
 Operator : MA/JU
 Sample : 05370-02
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDP8

Manual IntegrationsAPPROVED

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.736	152		5019m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.479	136		22206m	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.321	164		11177m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.086	188		20459m	0.400	ng/ul	0.00
17) Chrysene-d12	21.299	240		19479m	0.400	ng/ul	0.00
23) Perylene-d12	23.573	264		18458m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.116	96		36743	6.624	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.128	152		5993m	0.179	ng/ul	0.02
18) Fluoranthene-d10	19.113	212		28311m	0.452	ng/ul	0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.154	88		1559	0.254	ng/ul#	68

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

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