

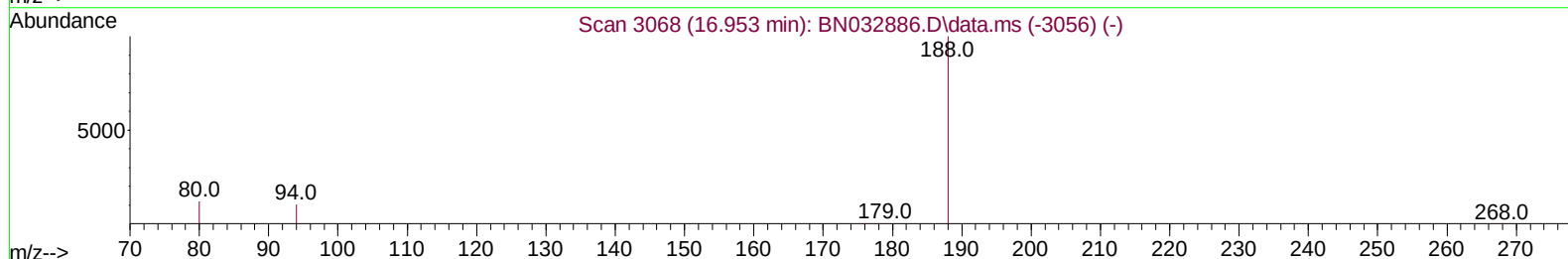
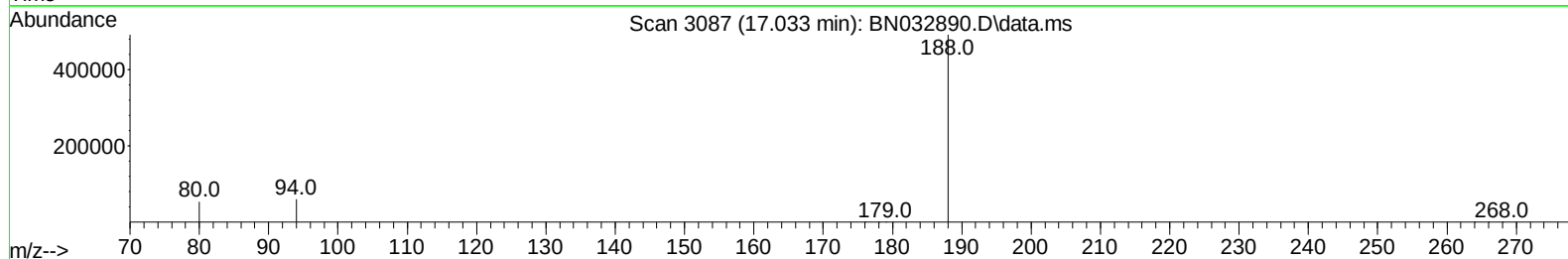
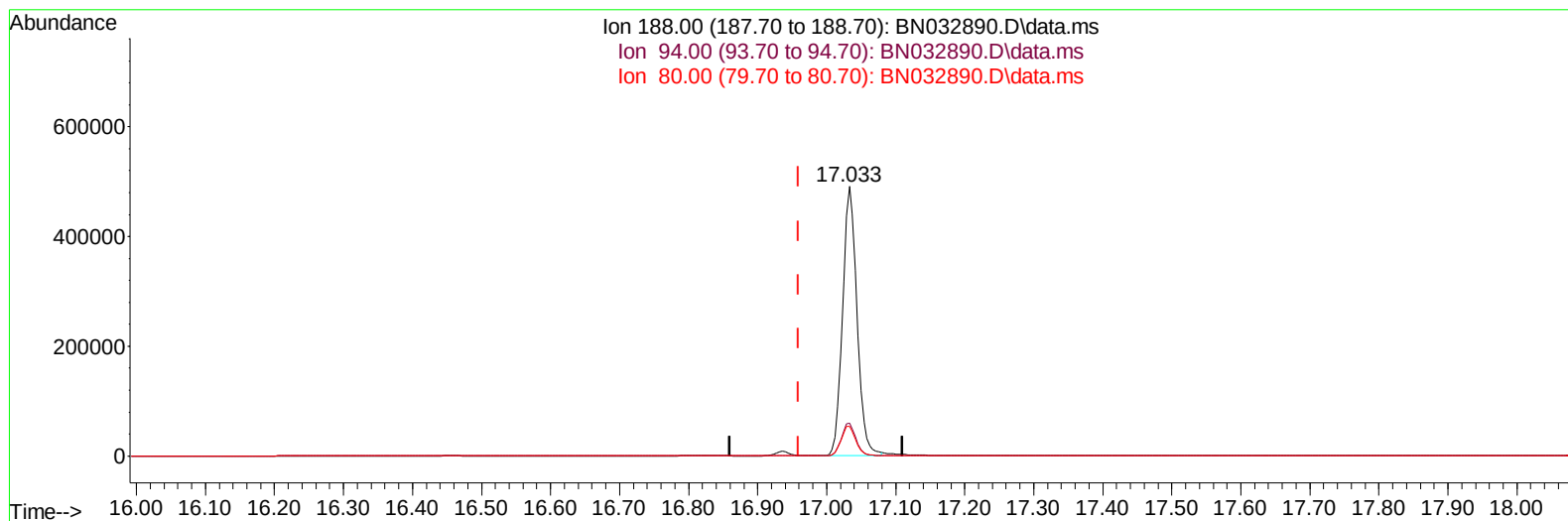
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032890.D\data.ms

(13) Phenanthrene-d10 (I)

17.033min (+ 0.073) 0.40 ng/ul

response 717458

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.11
80.00	12.00	10.91
0.00	0.00	0.00

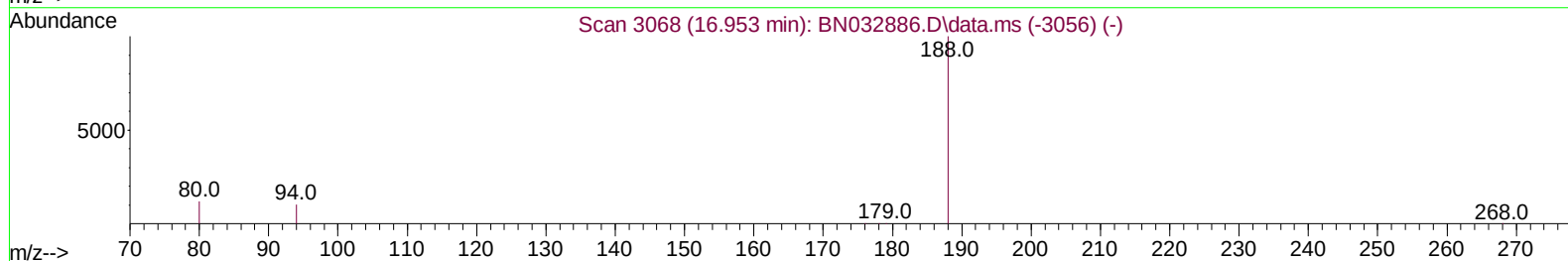
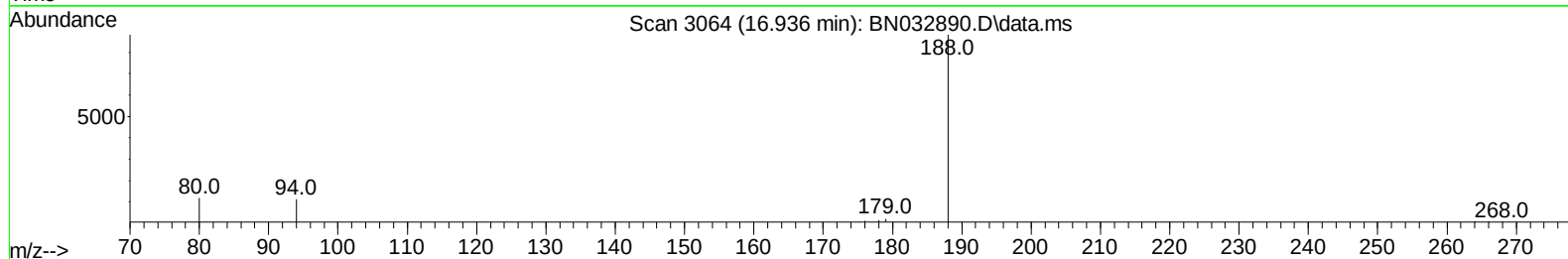
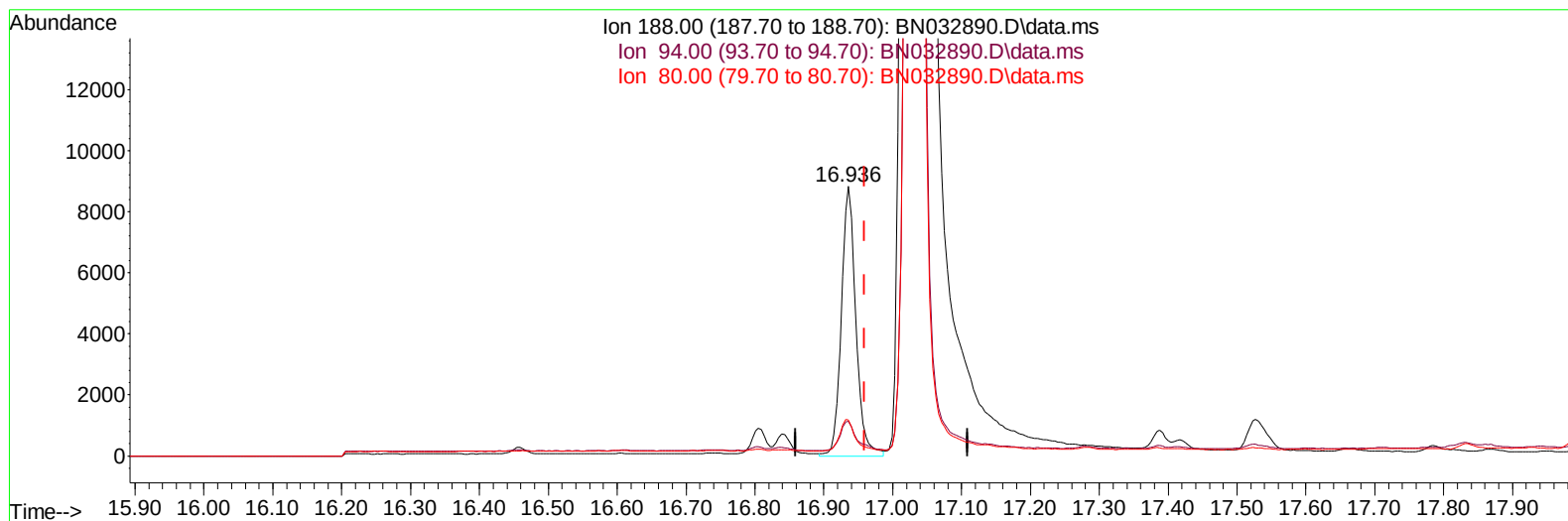
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032890.D\data.ms

(13) Phenanthrene-d10 (I)

16.936min (-0.024) 0.40 ng/ul m

response 12967

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.88
80.00	12.00	13.38
0.00	0.00	0.00

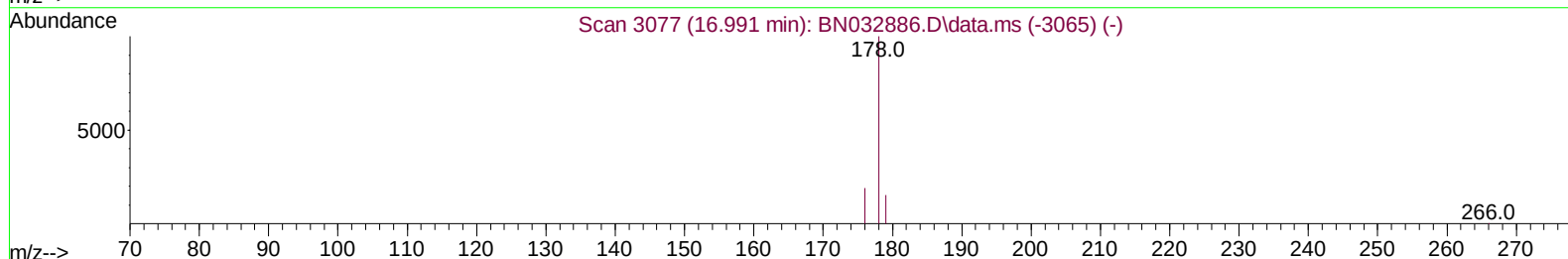
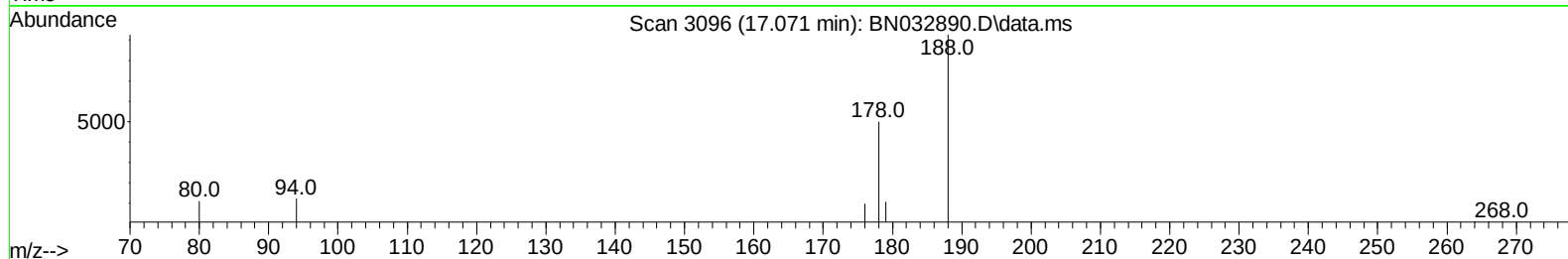
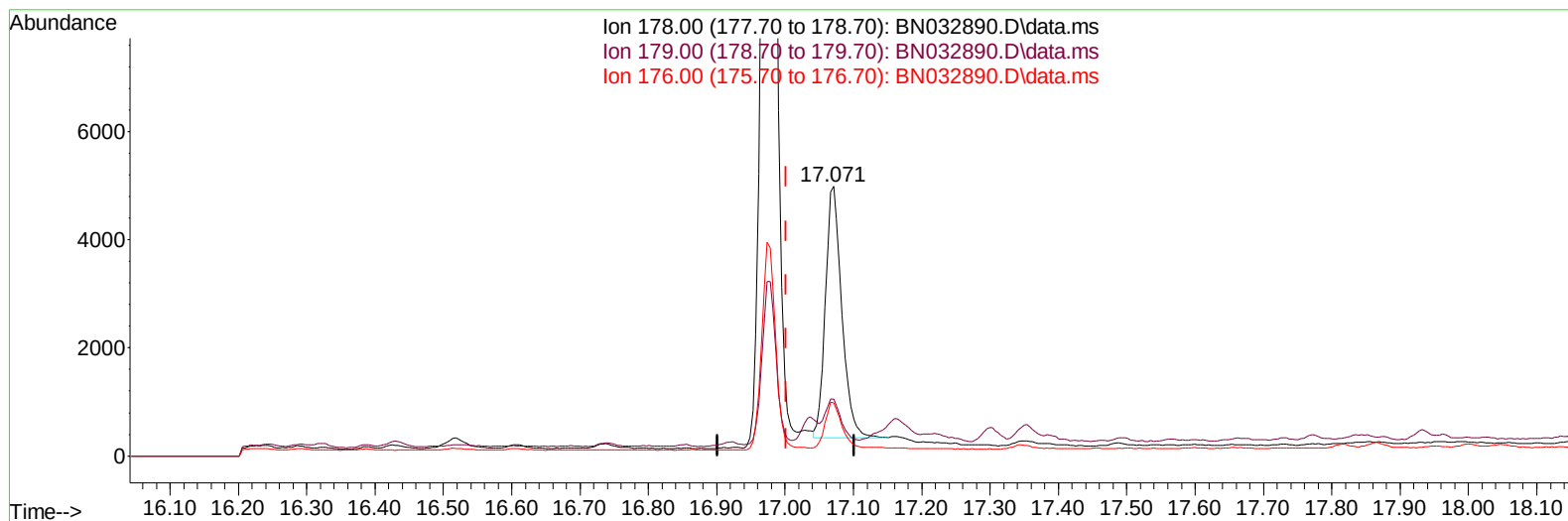
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
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TIC: BN032890.D\data.ms

(15) Phenanthrene

17.071min (+ 0.069) 0.22 ng/u1

response 7741

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	21.09#
176.00	19.50	19.70
0.00	0.00	0.00

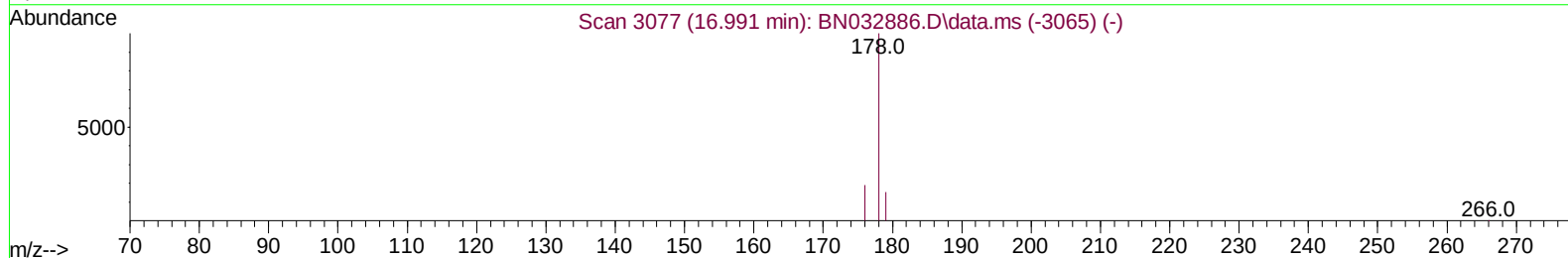
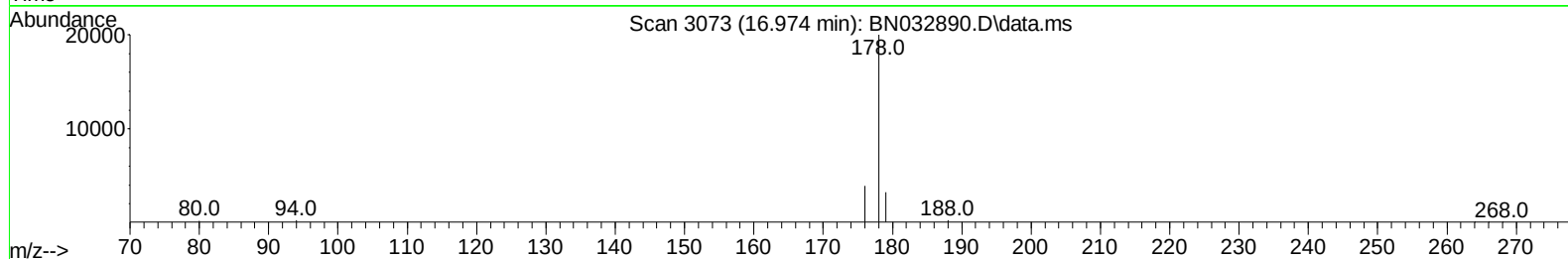
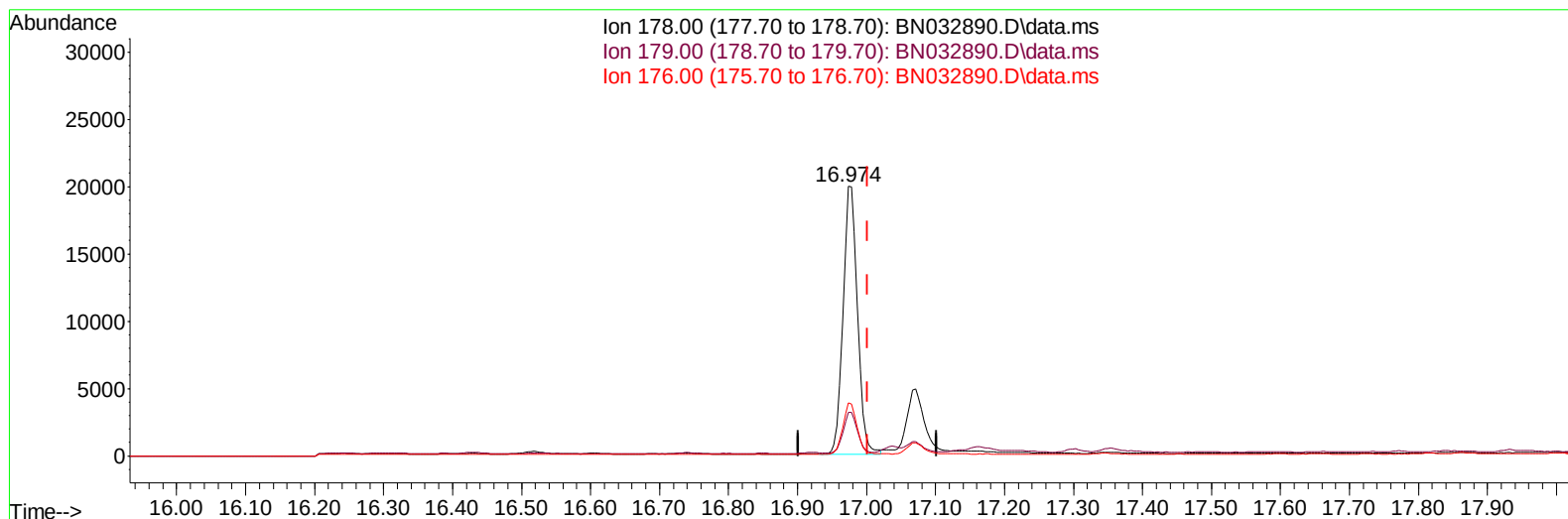
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
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TIC: BN032890.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 0.82 ng/ul m

response 28837

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.12
176.00	19.50	19.73
0.00	0.00	0.00

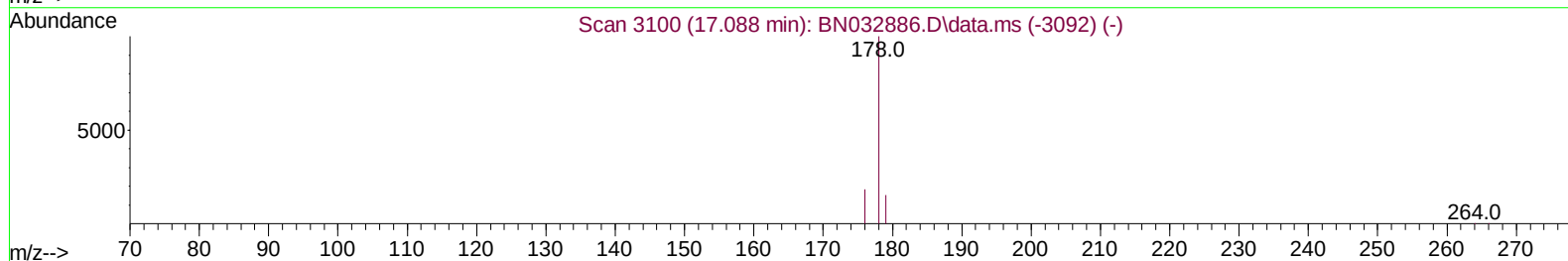
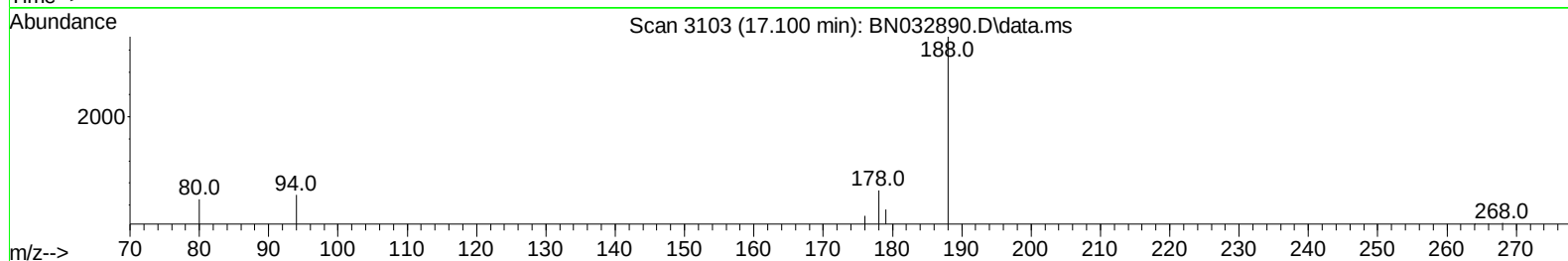
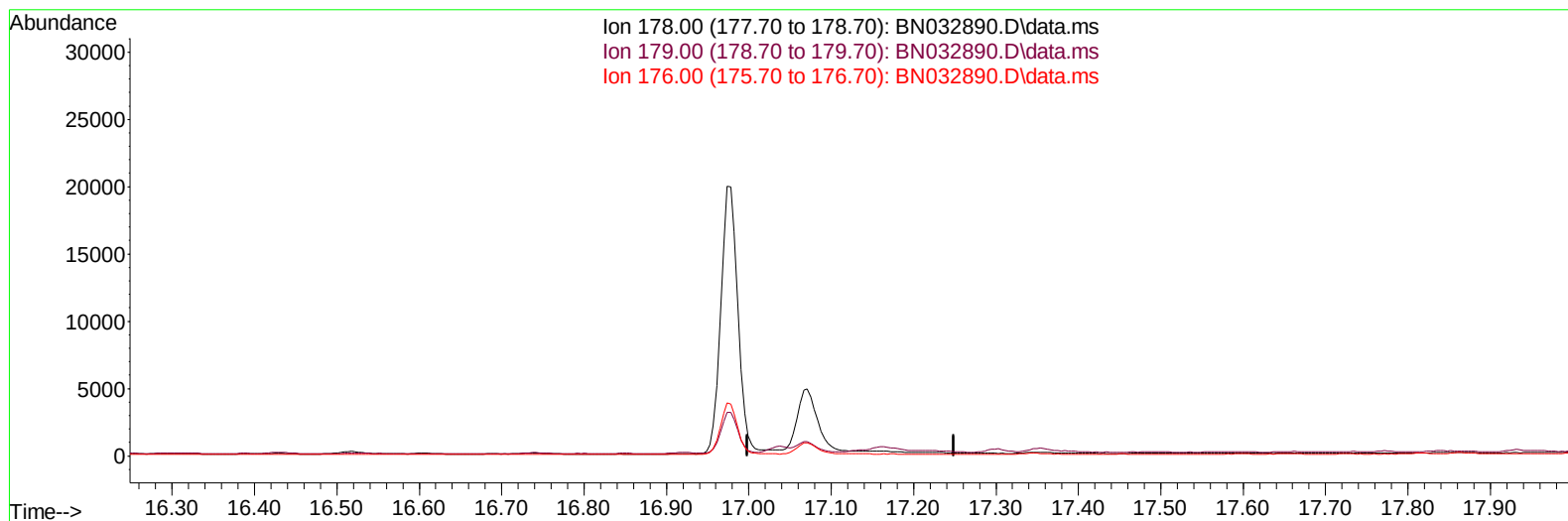
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
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TIC: BN032890.D\data.ms

(16) Anthracene

17.099min (-17.099) 0.00 ng/ul

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	16.80	0.00#
176.00	19.20	0.00#
0.00	0.00	0.00

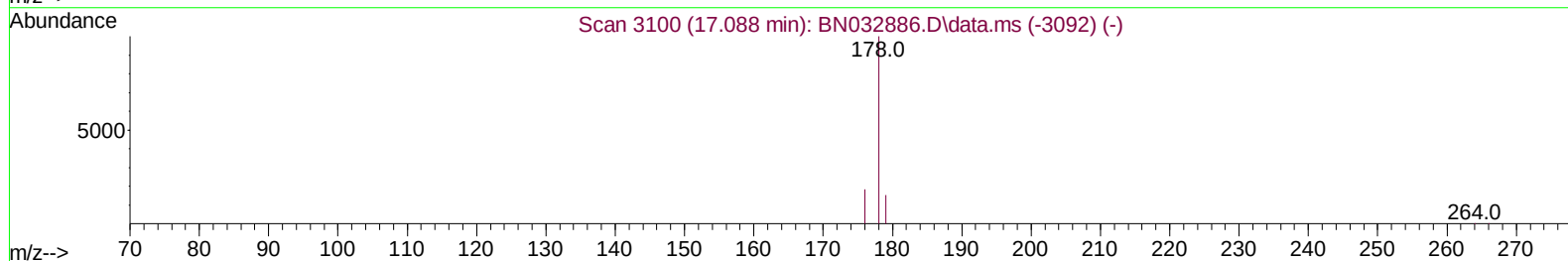
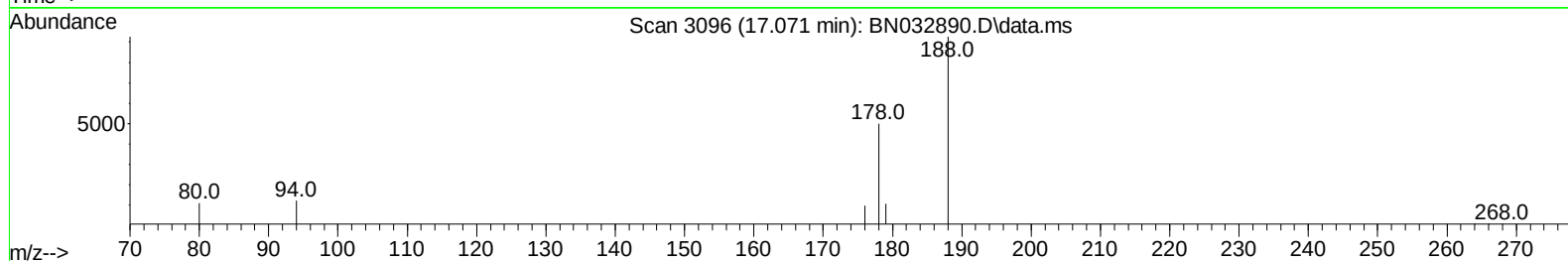
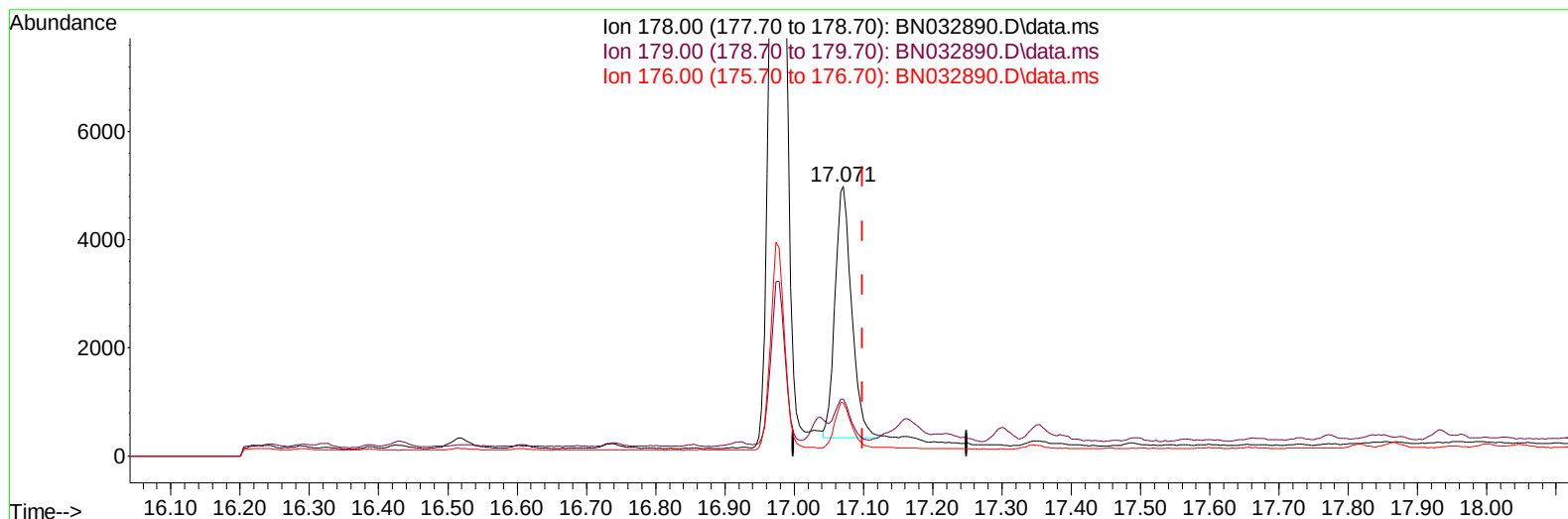
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
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TIC: BN032890.D\data.ms

(16) Anthracene

17.071min (-0.028) 0.27 ng/ul m

response 7730

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	21.09#
176.00	19.20	19.70
0.00	0.00	0.00

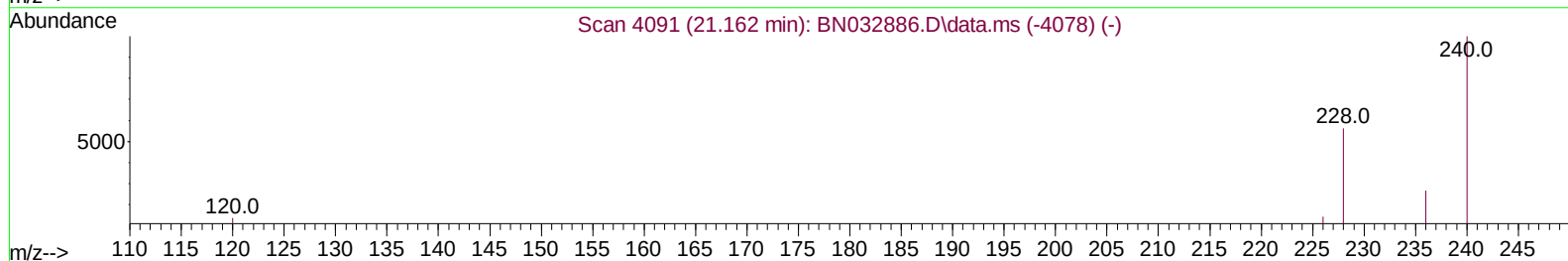
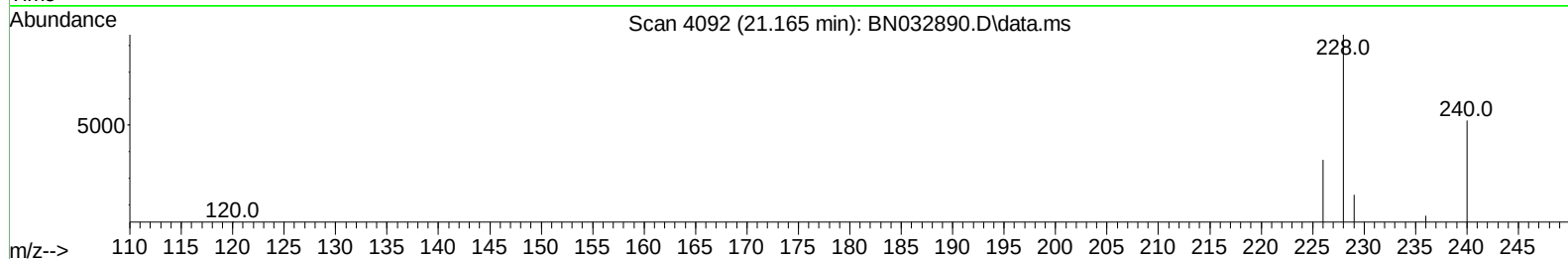
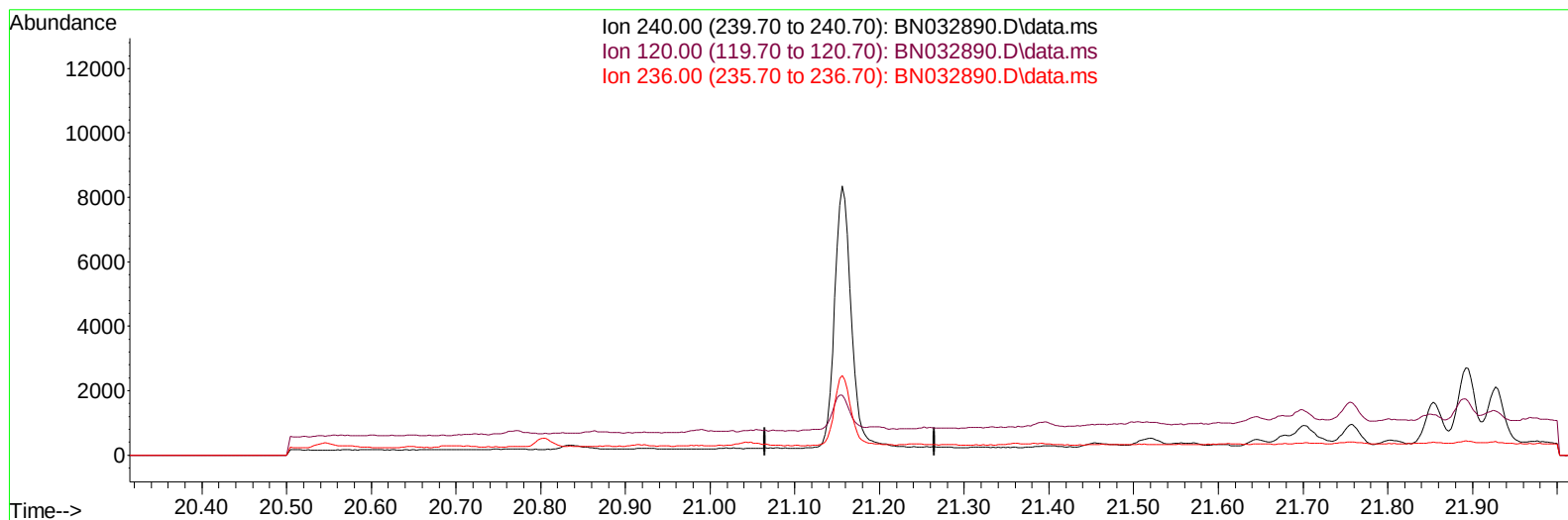
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

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TIC: BN032890.D\data.ms

(17) Chrysene-d12

21.165min (-21.165) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	18.00	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

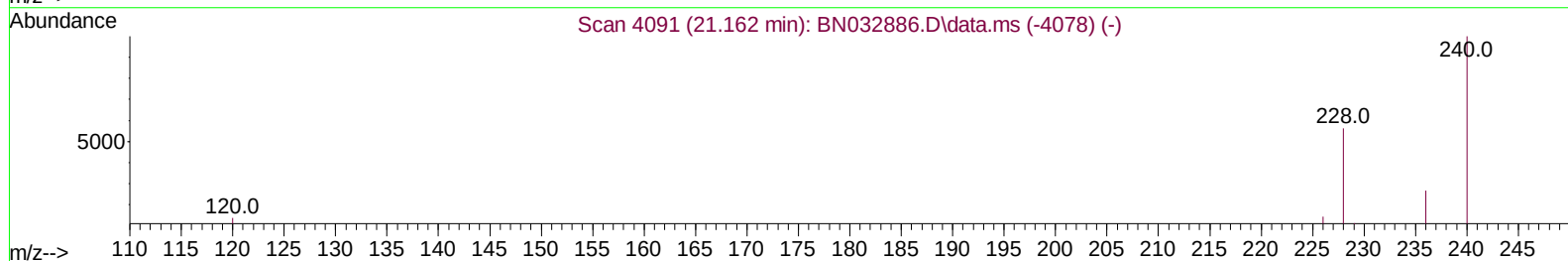
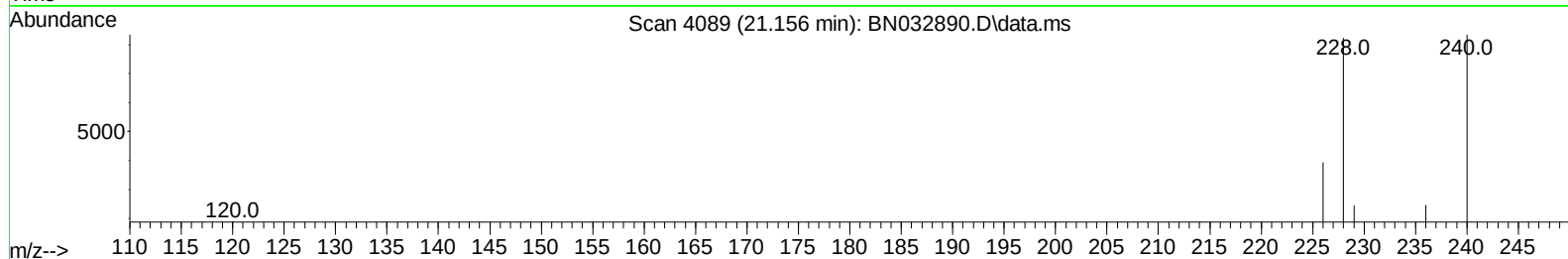
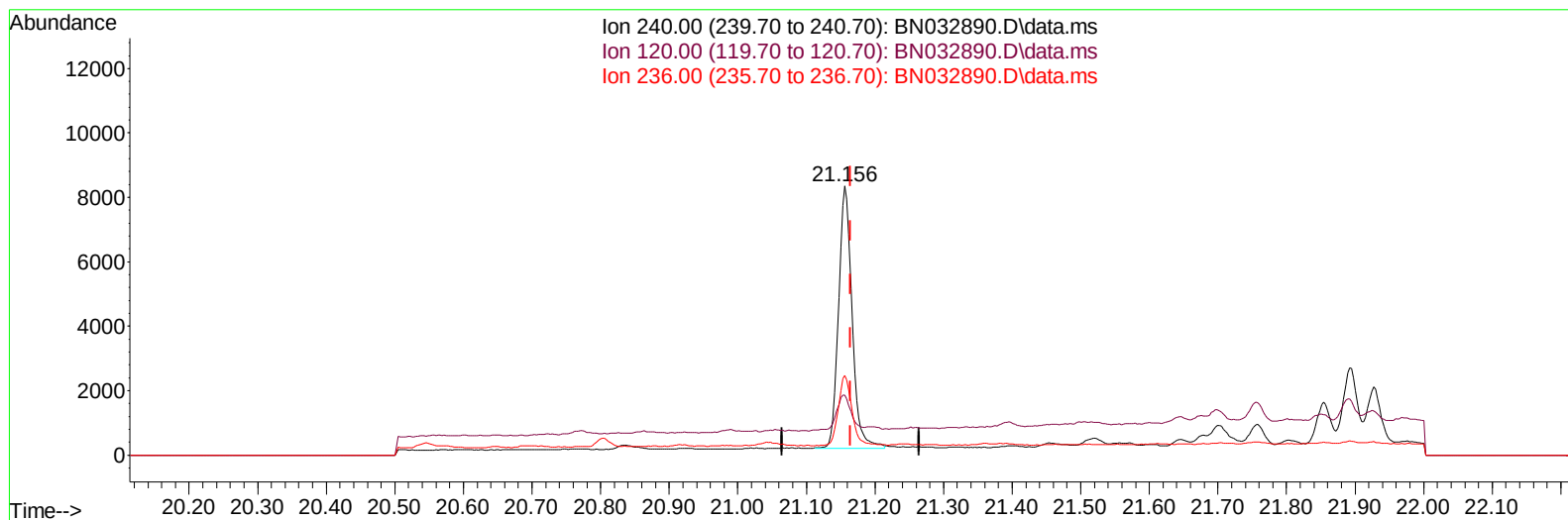
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032890.D\data.ms

(17) Chrysene-d12

21.156min (-0.009) 0.40 ng/ul m

response 11215

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	22.39#
236.00	28.40	29.62
0.00	0.00	0.00

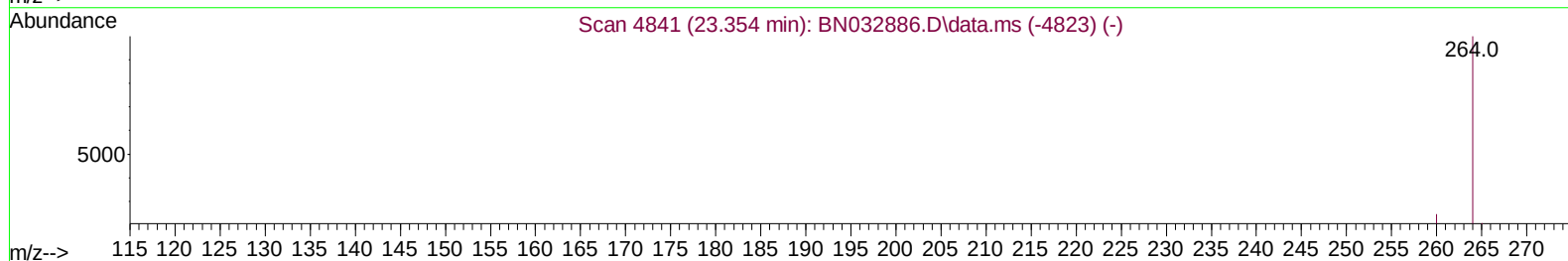
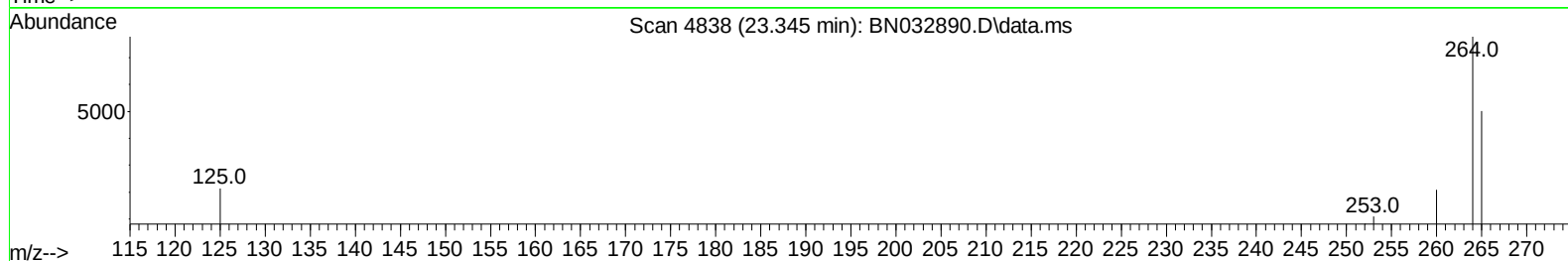
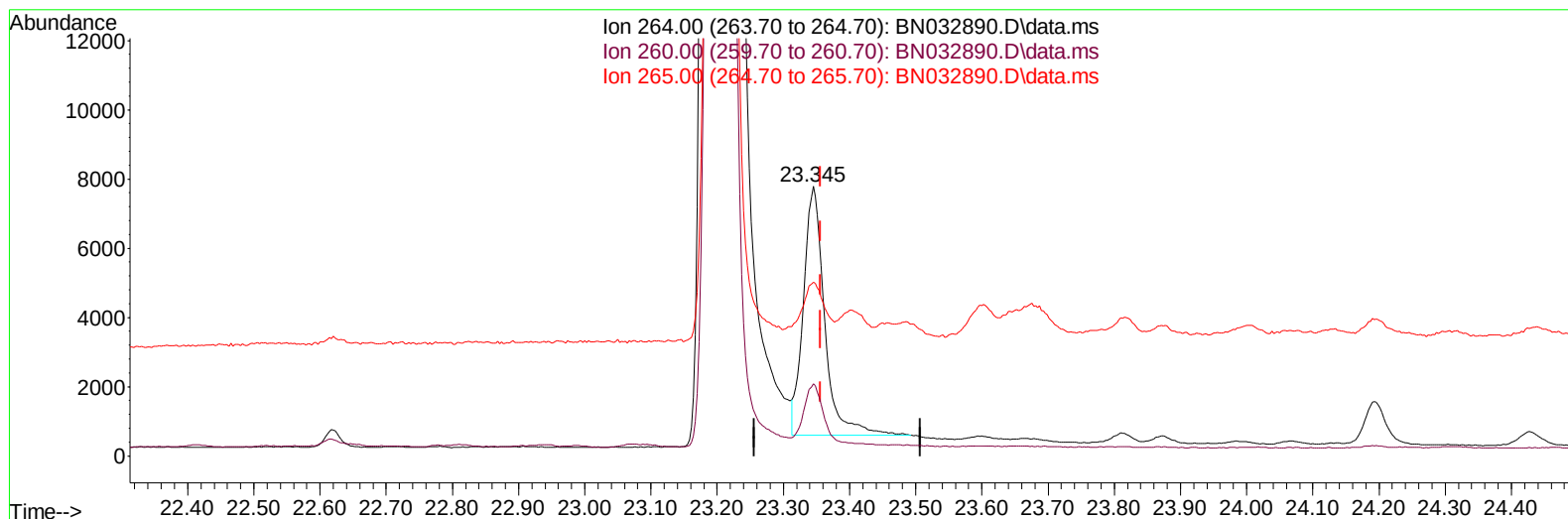
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
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TIC: BN032890.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 15840

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.76
265.00	95.50	64.51#
0.00	0.00	0.00

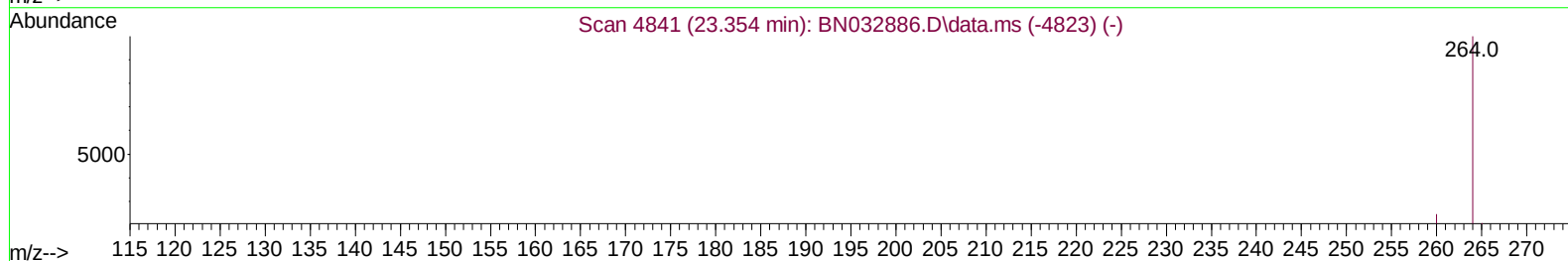
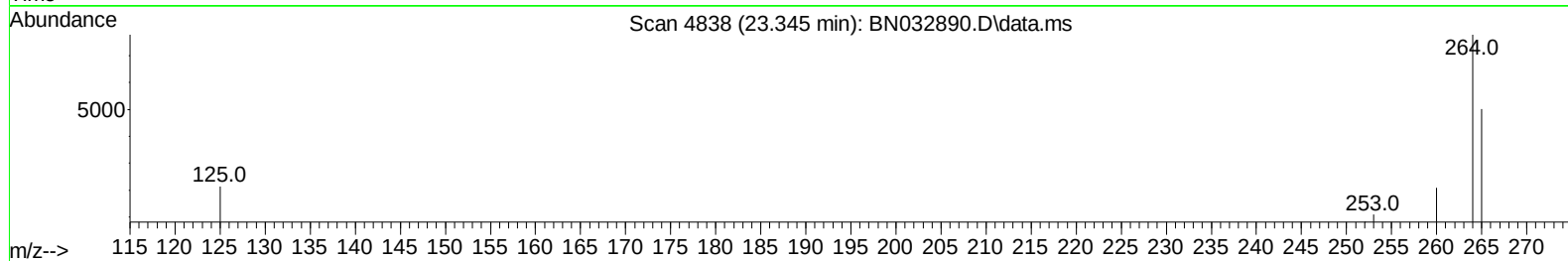
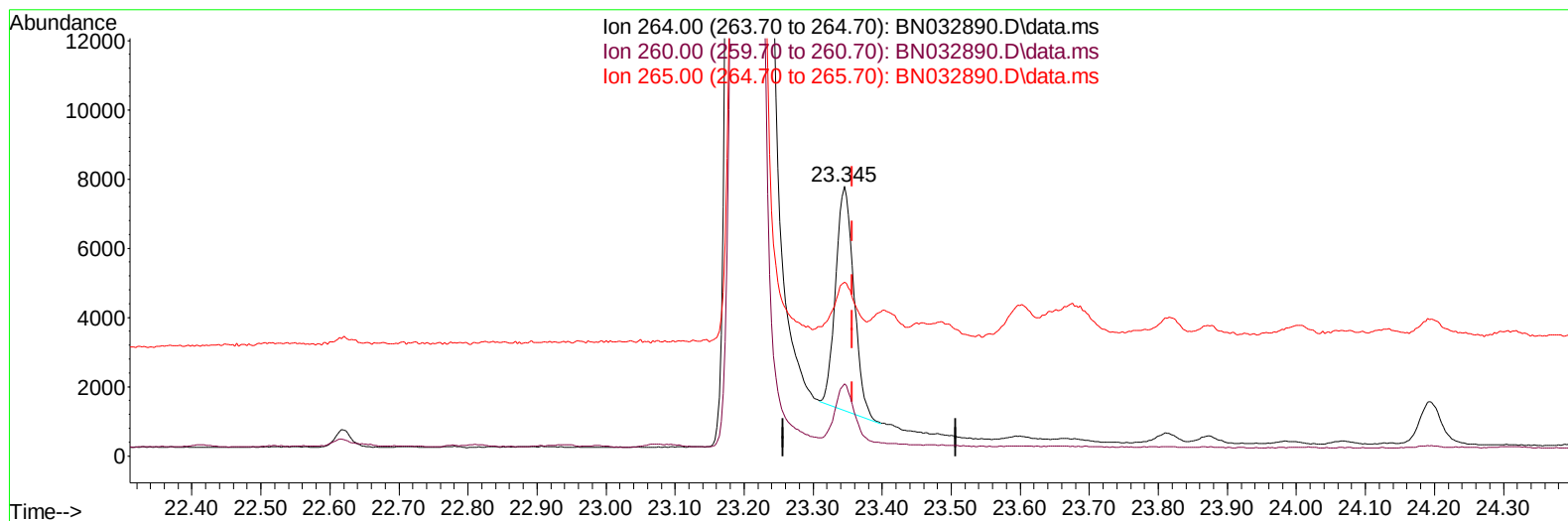
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032890.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 11843

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.76
265.00	95.50	64.51#
0.00	0.00	0.00

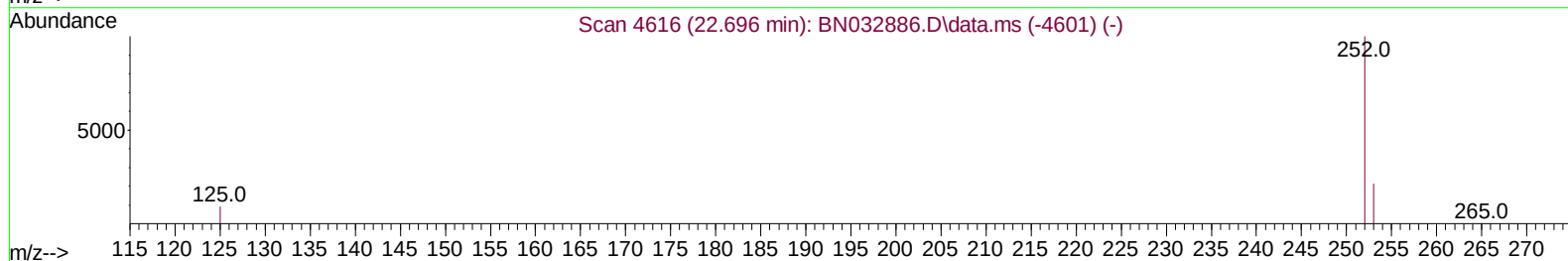
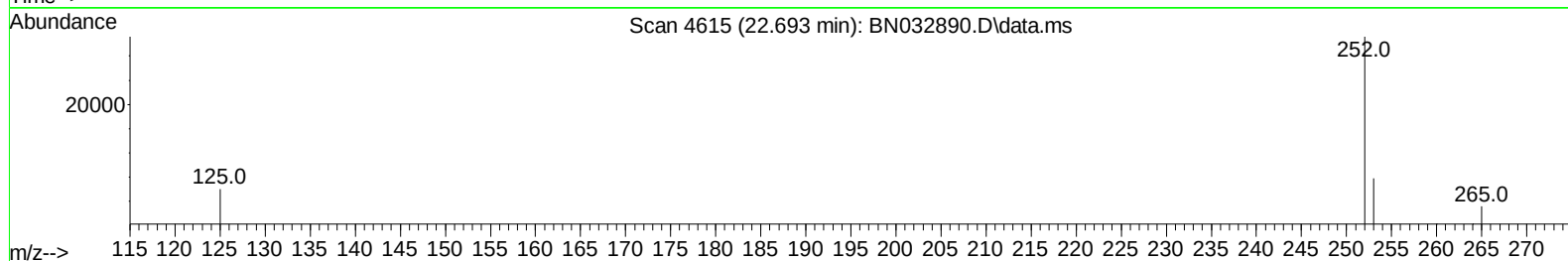
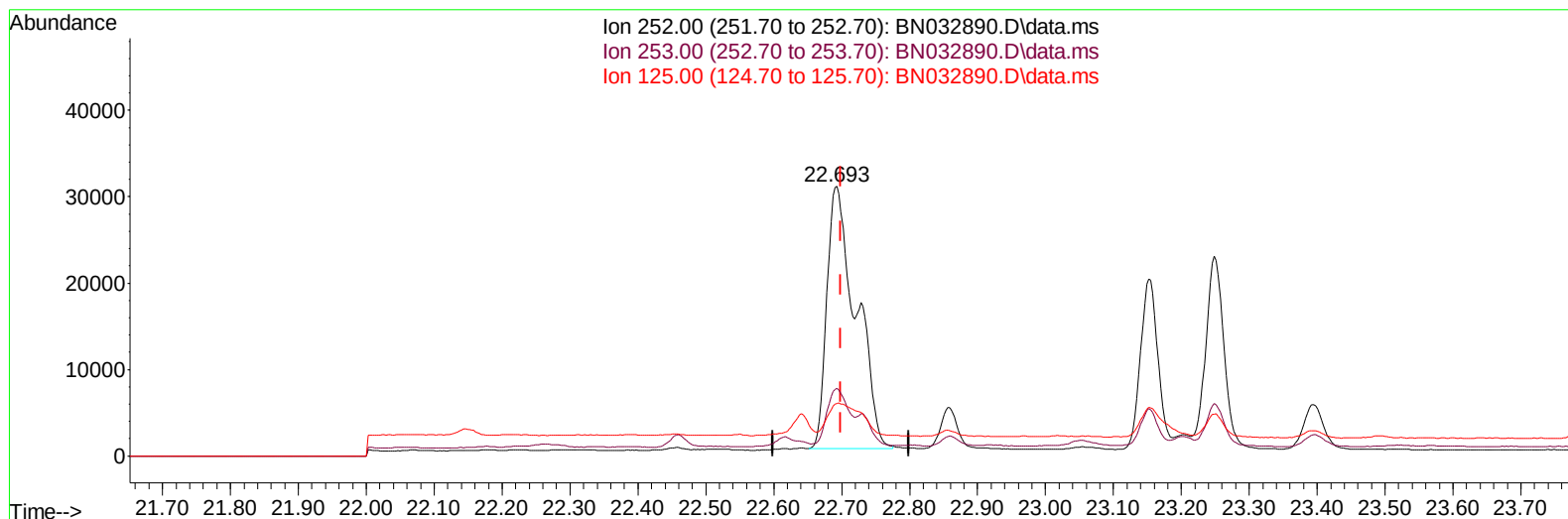
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
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Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN032890.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.006) 2.16 ng/u1

response 90321

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	25.03
125.00	18.00	19.48
0.00	0.00	0.00

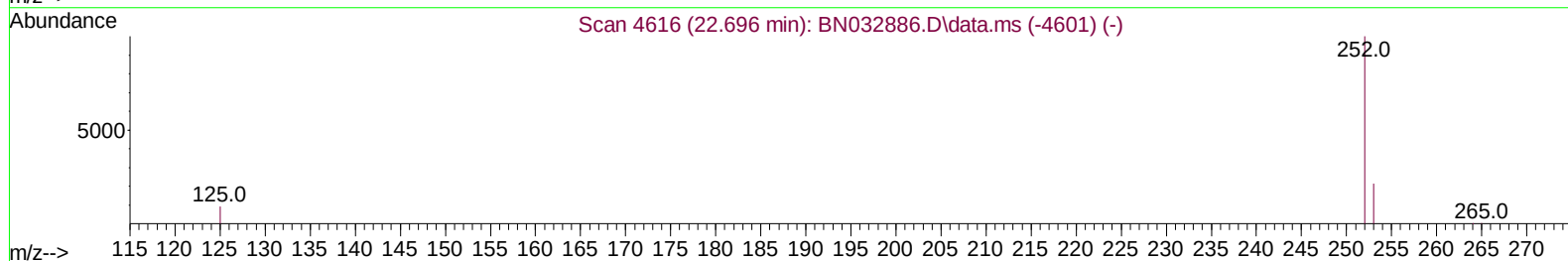
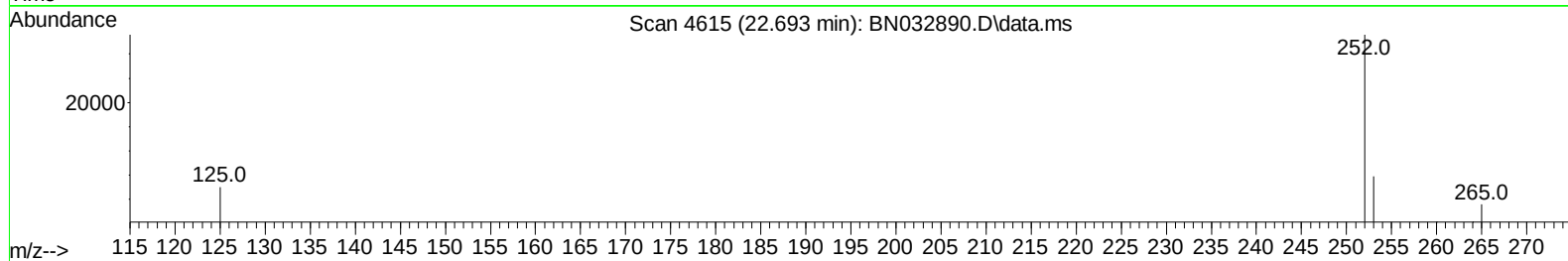
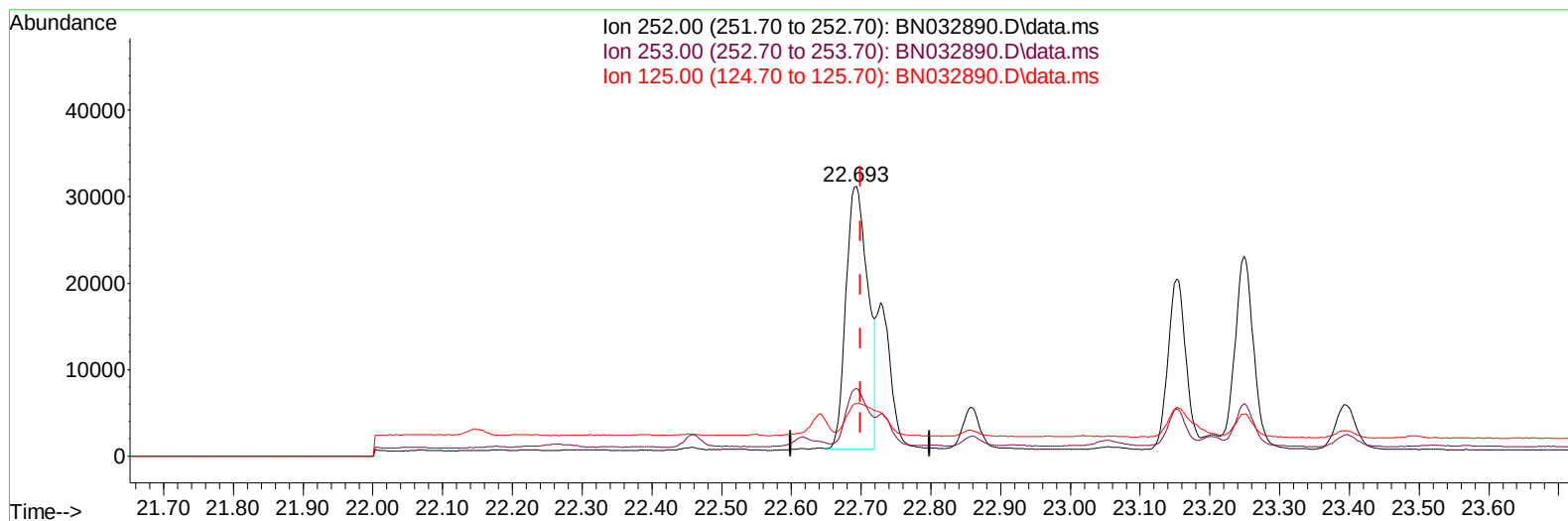
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
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TIC: BN032890.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.006) 1.60 ng/ul m

response 66888

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	25.03
125.00	18.00	19.48
0.00	0.00	0.00

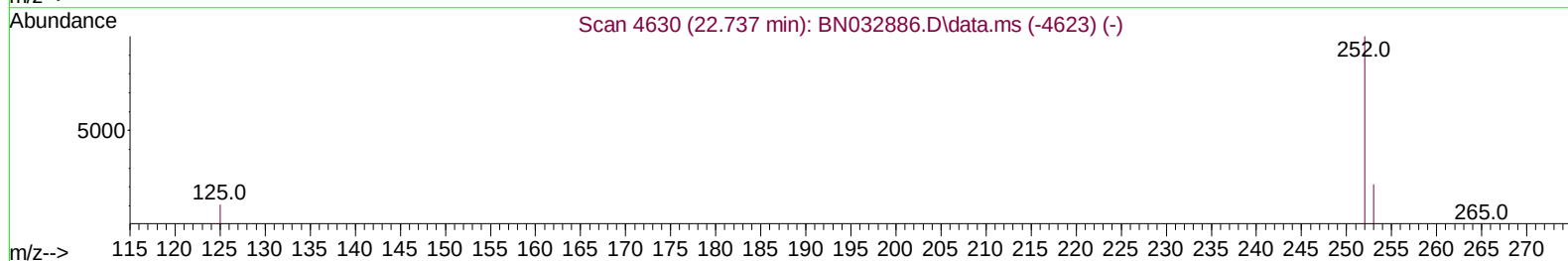
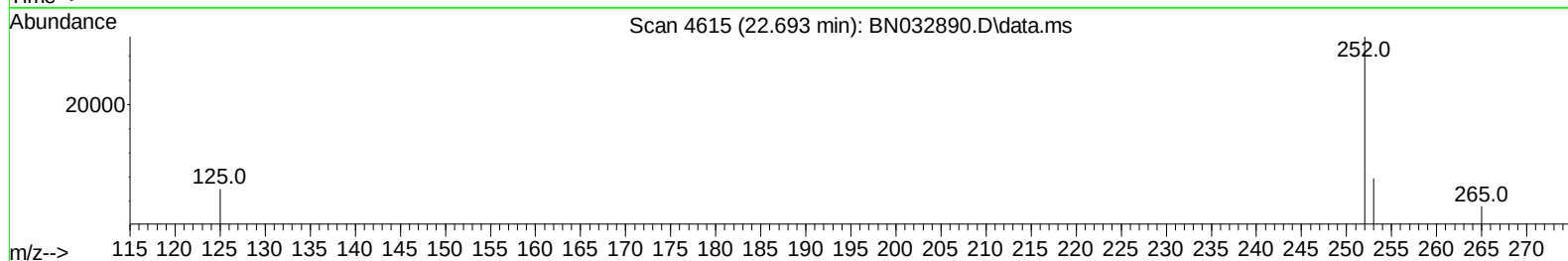
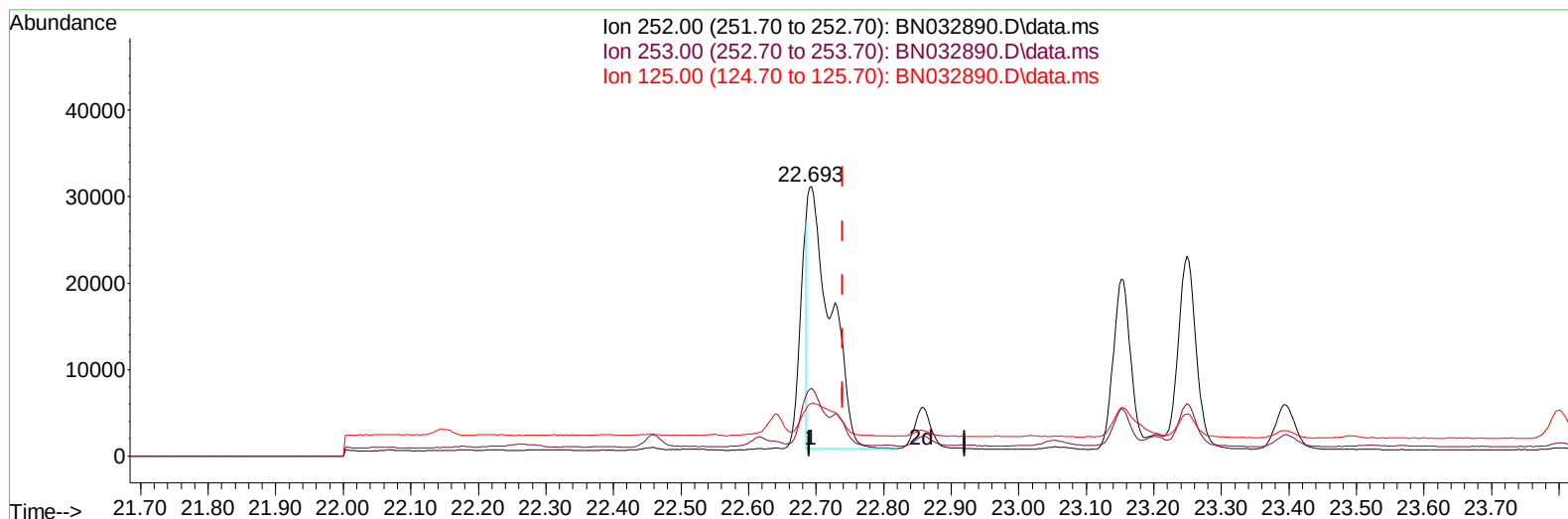
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

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TIC: BN032890.D\data.ms

(25) Benzo(k)fluoranthene

22.693min (-0.047) 1.43 ng/u1

response 72850

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	25.03
125.00	18.50	19.48
0.00	0.00	0.00

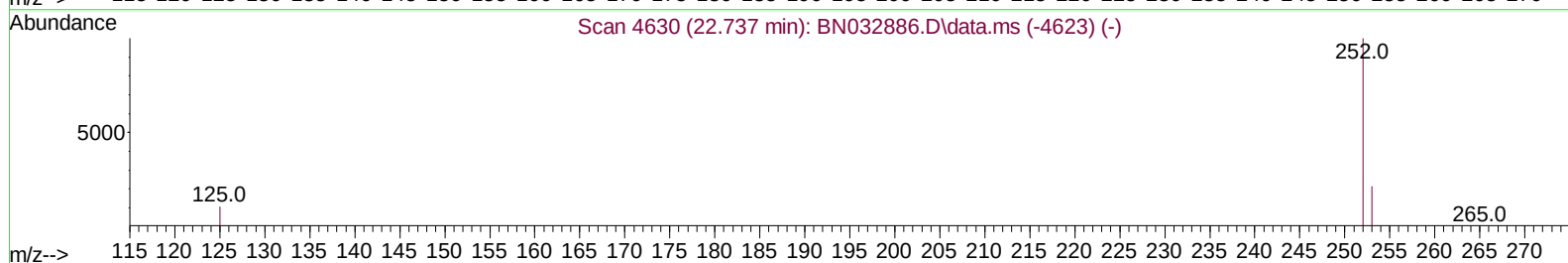
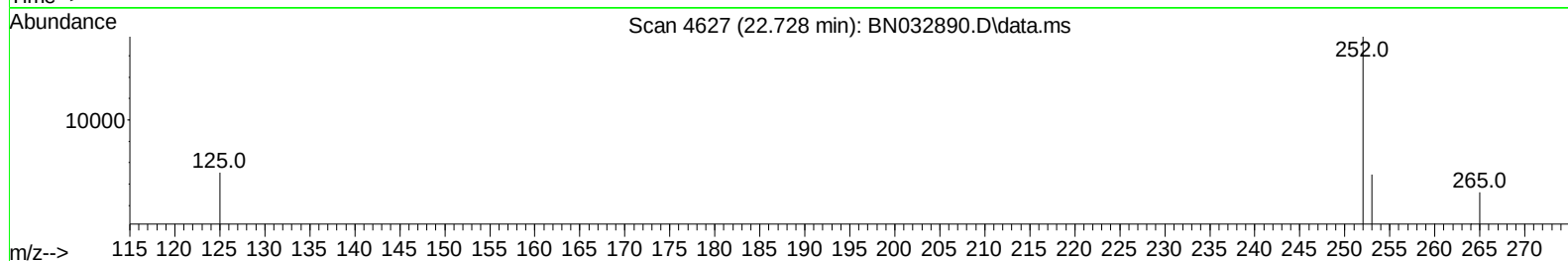
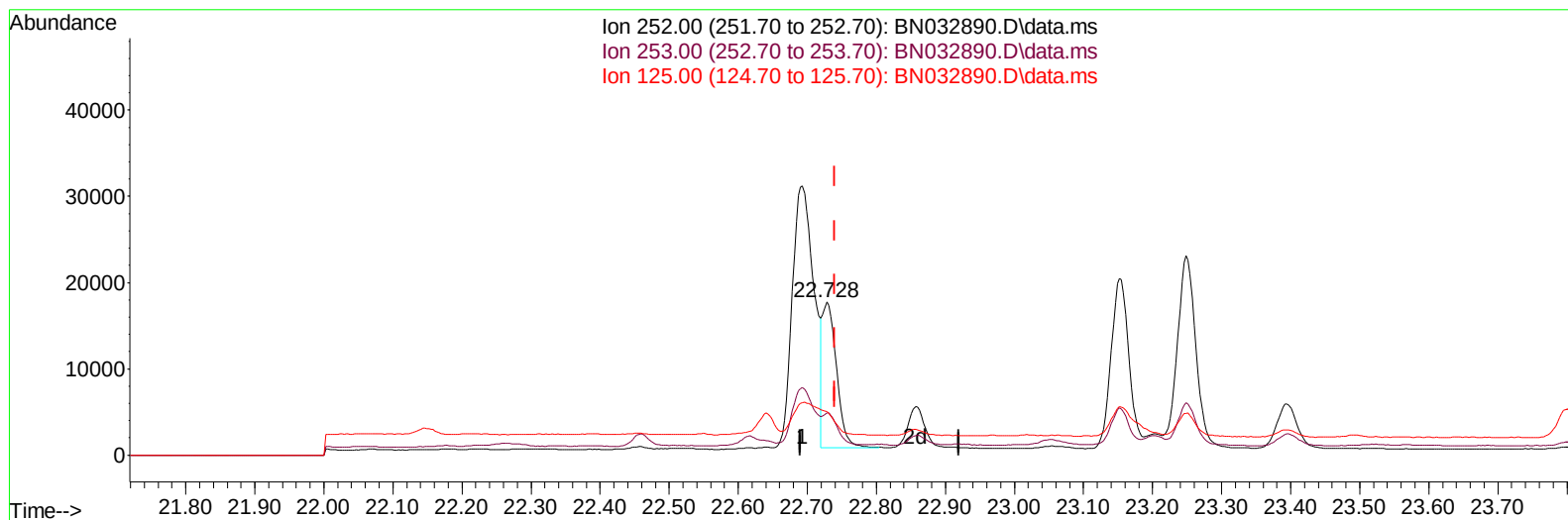
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032890.D
Acq On : 22 Jul 2024 13:10
Operator : MA/JU
Sample : P3215-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D23

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:56:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032890.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.012) 0.47 ng/ul m

response 23718

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	27.42
125.00	18.50	28.41#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.523	152	4147	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.288	136	12043	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.174	164	6775	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.936	188	12967m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.156	240	11215m	0.400	ng/ul	0.00
23) Perylene-d12	23.345	264	11843m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.085	96	18023	3.620	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.894	152	4385	0.241	ng/ul	-0.03
18) Fluoranthene-d10	18.980	212	8066	0.221	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.338	128	3158	0.098	ng/ul#	94
7) 2-Methylnaphthalene	11.977	142	897	0.044	ng/ul	97
8) 1-Methylnaphthalene	12.197	142	619	0.030	ng/ul	96
10) Acenaphthylene	13.892	152	5616	0.205	ng/ul	95
11) Acenaphthene	14.235	153	1217	0.054	ng/ul	96
12) Fluorene	15.234	166	1858	0.072	ng/ul#	97
15) Phenanthrene	16.974	178	28837m	0.817	ng/ul	
16) Anthracene	17.071	178	7730m	0.268	ng/ul	
19) Fluoranthene	19.008	202	77938	1.709	ng/ul	99
20) Pyrene	19.375	202	71307	1.511	ng/ul	99
21) Benzo(a)anthracene	21.141	228	36439	1.021	ng/ul	96
22) Chrysene	21.194	228	49115	0.951	ng/ul	97
24) Benzo(b)fluoranthene	22.693	252	66888m	1.601	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	23718m	0.466	ng/ul	
26) Benzo(a)pyrene	23.249	252	41837	1.157	ng/ul	90
27) Indeno(1,2,3-cd)pyrene	25.552	276	34772	0.710	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.546	278	7961	0.210	ng/ul#	61
29) Benzo(g,h,i)perylene	26.233	276	34887	0.853	ng/ul	98

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

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