

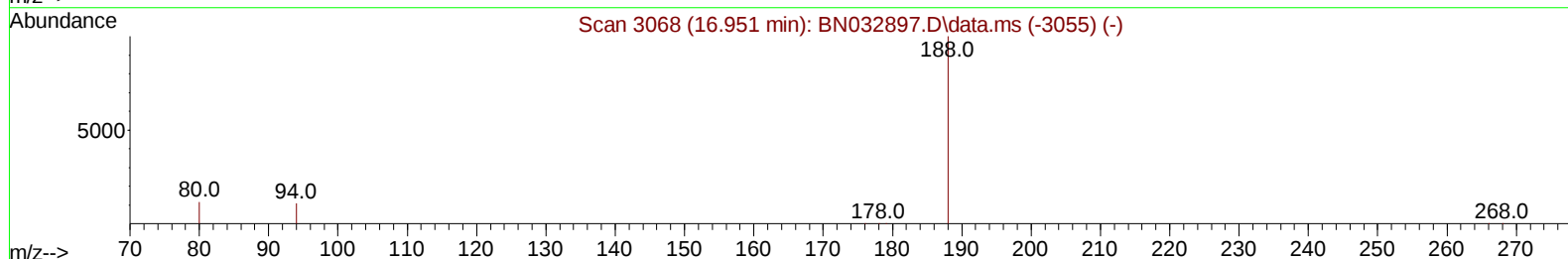
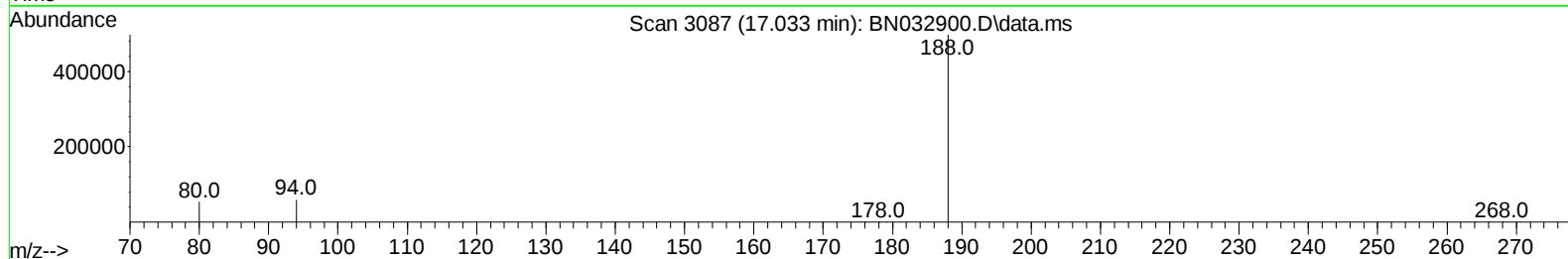
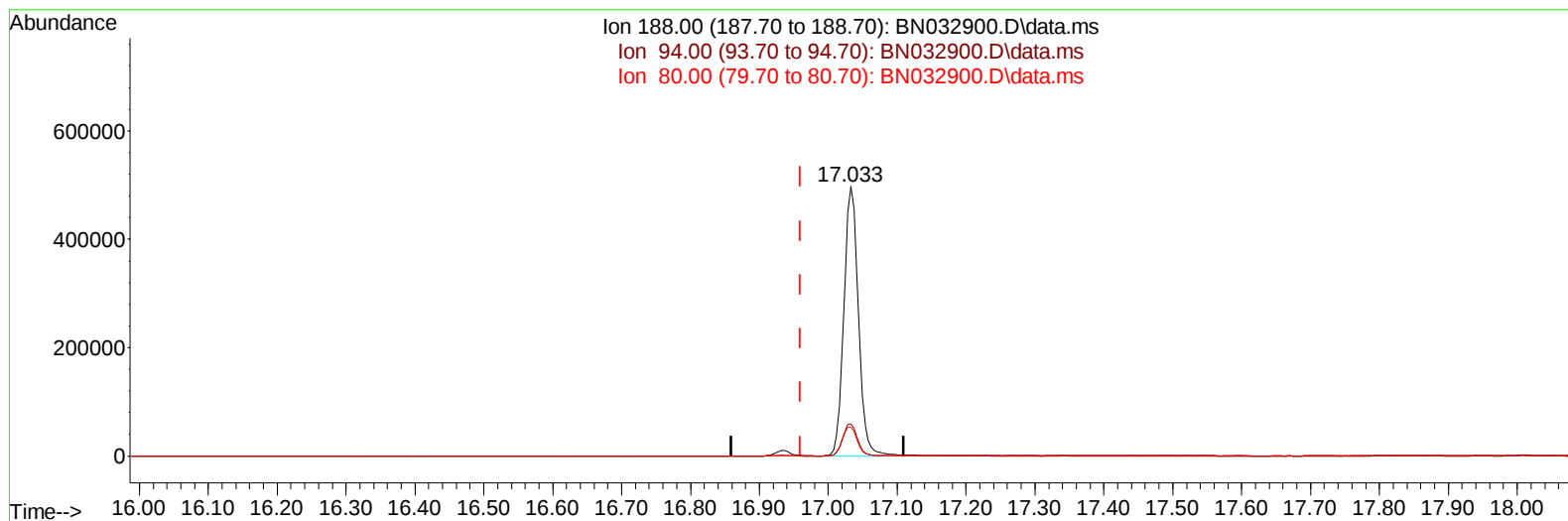
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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: BN032900.D\data.ms

(13) Phenanthrene-d10 (I)

17.033min (+ 0.073) 0.40 ng/u1

response 722779

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.92
80.00	12.00	10.84
0.00	0.00	0.00

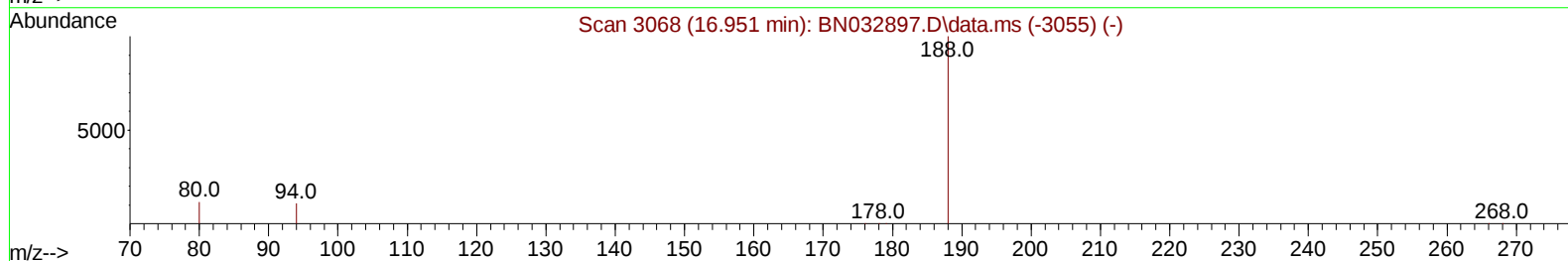
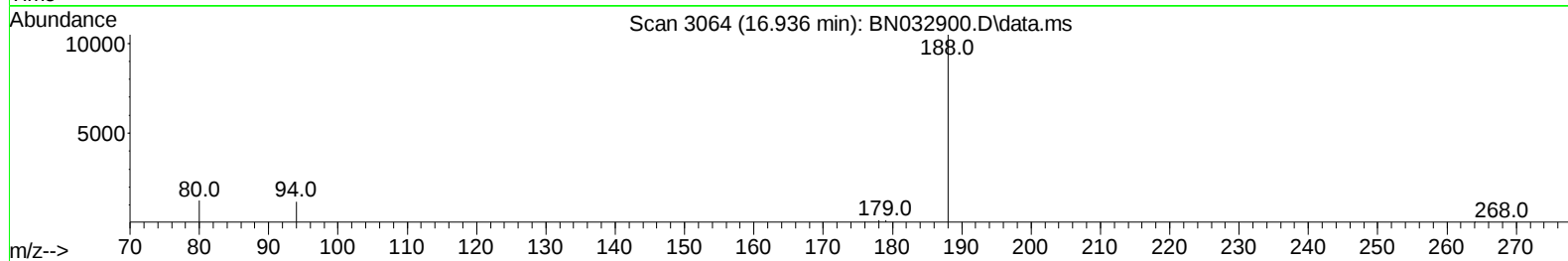
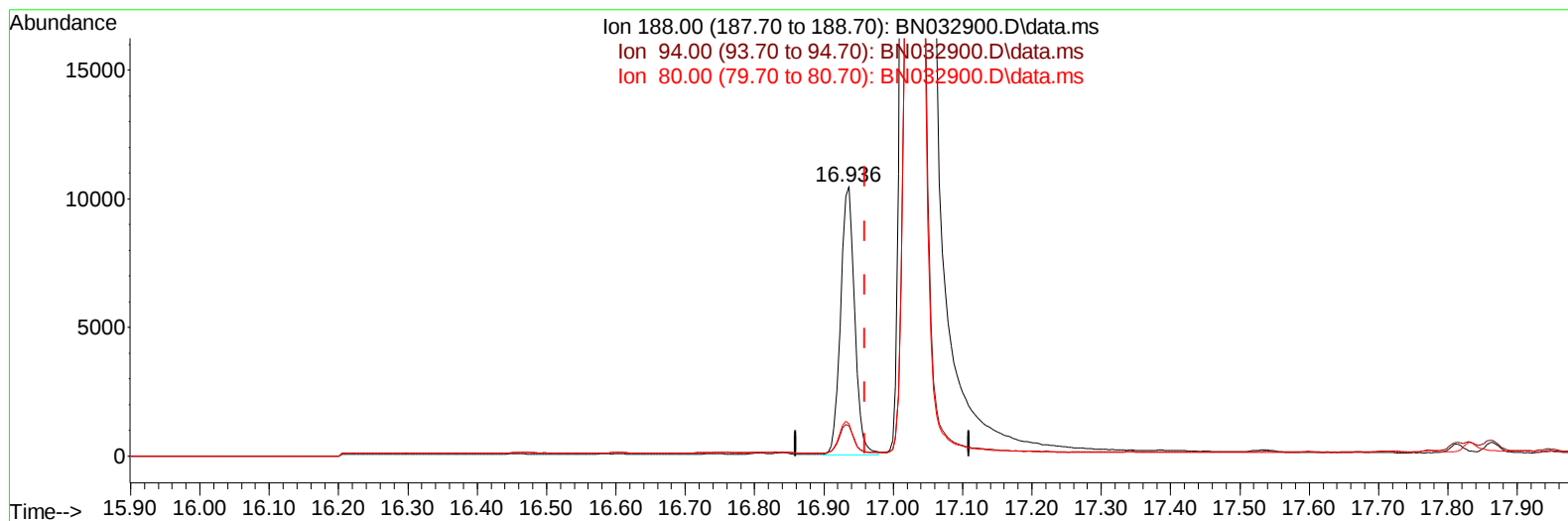
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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: BN032900.D\data.ms

(13) Phenanthrene-d10 (I)

16.936min (-0.024) 0.40 ng/ul m

response 14651

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.29
80.00	12.00	11.94
0.00	0.00	0.00

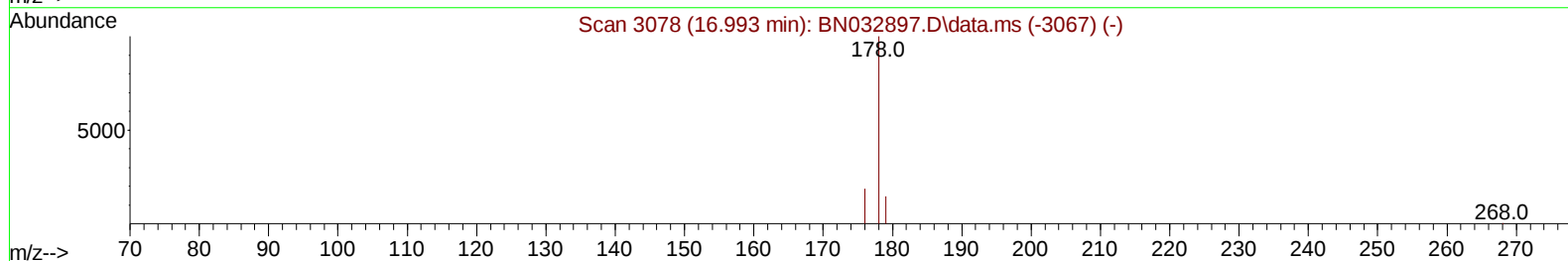
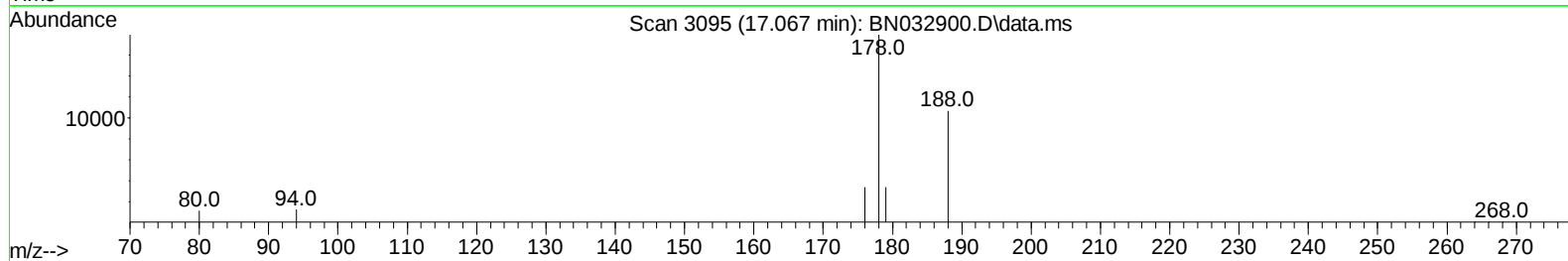
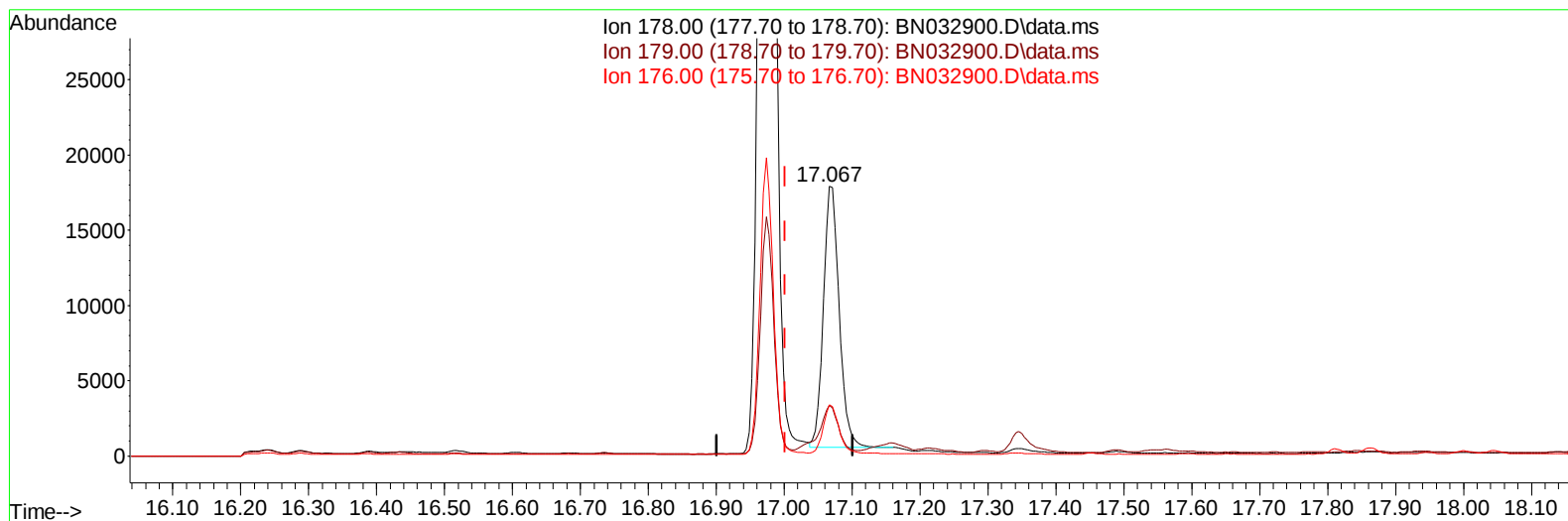
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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: BN032900.D\data.ms

(15) Phenanthrene

17.067min (+ 0.065) 0.70 ng/u1

response 28107

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	18.81
176.00	19.50	18.90
0.00	0.00	0.00

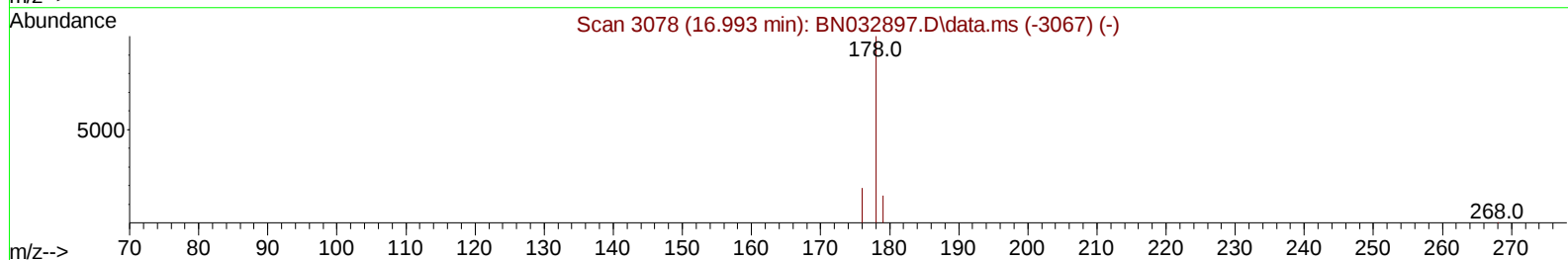
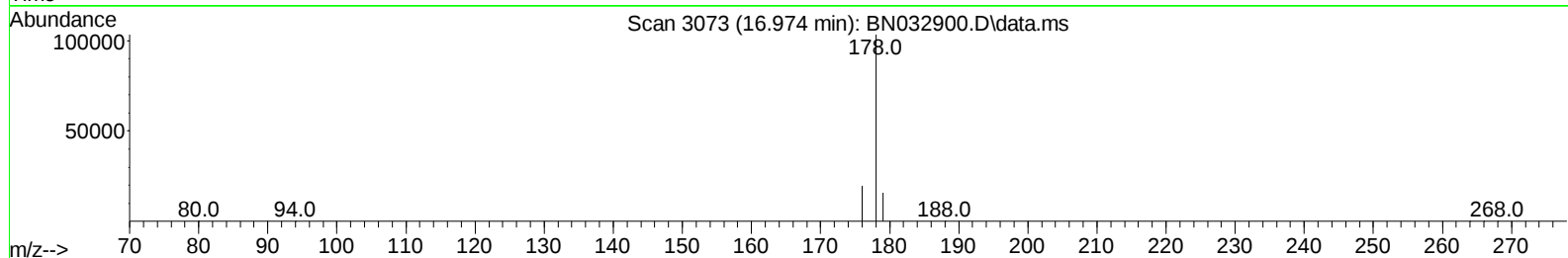
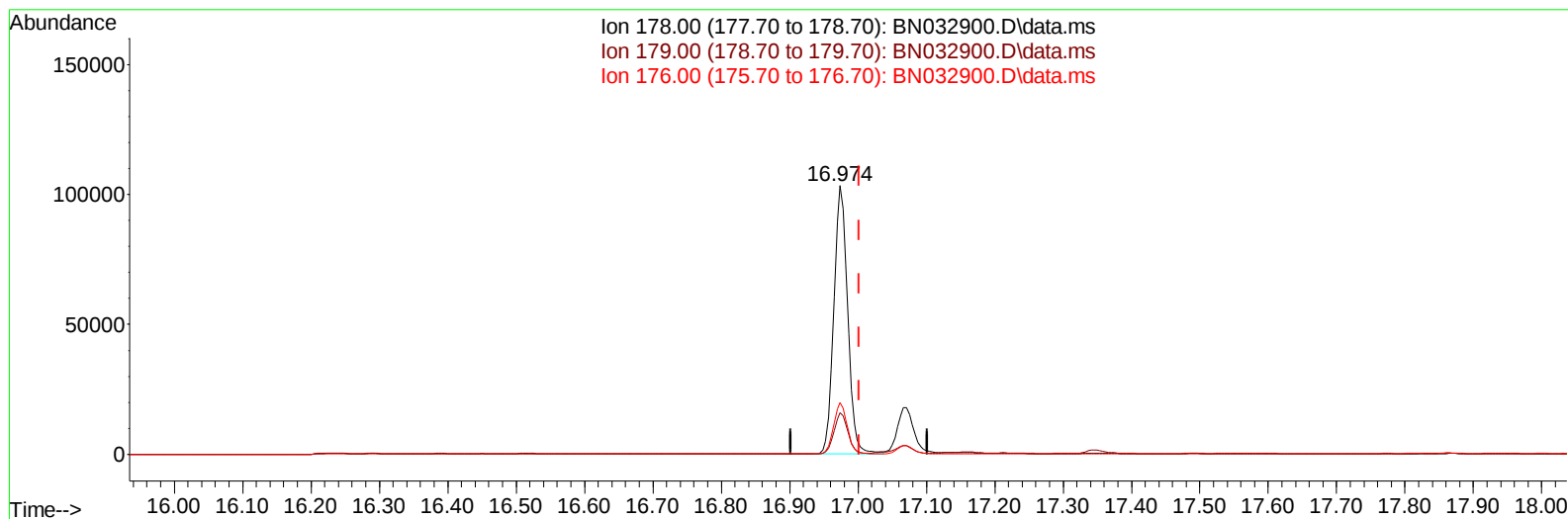
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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
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TIC: BN032900.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 3.64 ng/u1 m

response 145284

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.39
176.00	19.50	19.16
0.00	0.00	0.00

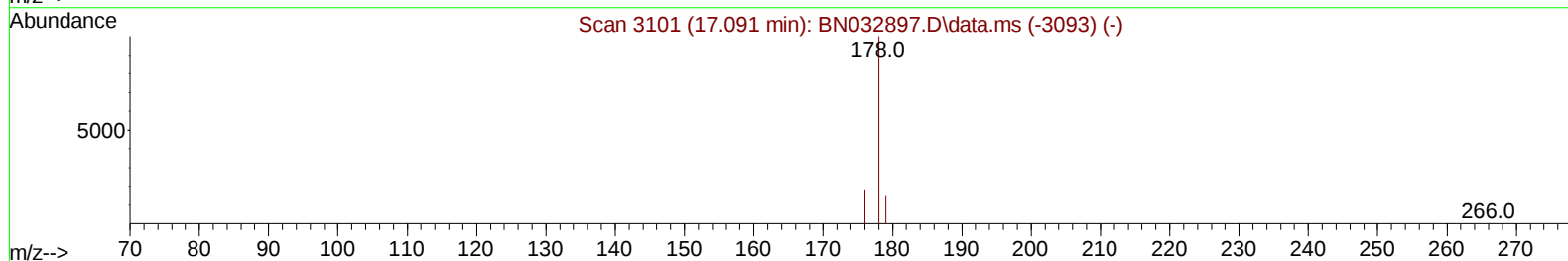
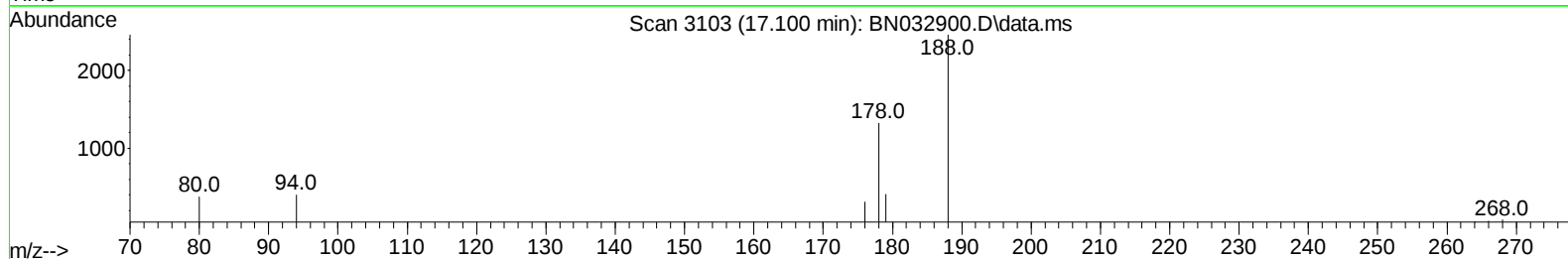
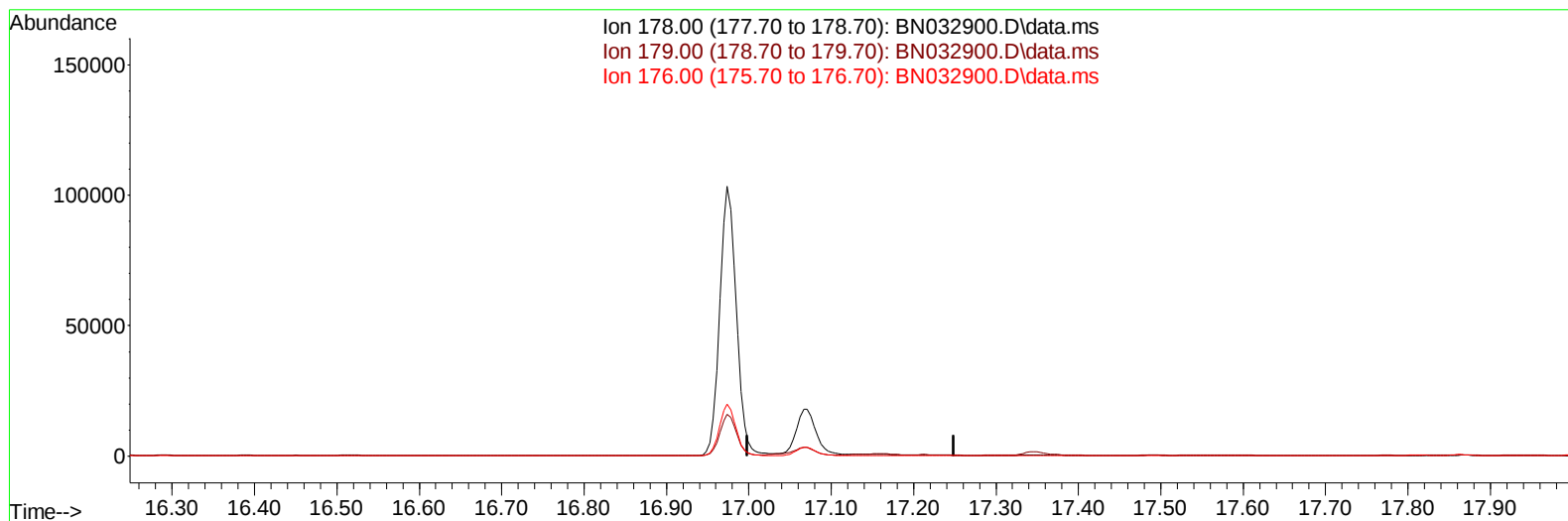
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 2024
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TIC: BN032900.D\data.ms

(16) Anthracene

17.099min (-17.099) 0.00 ng/u1

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

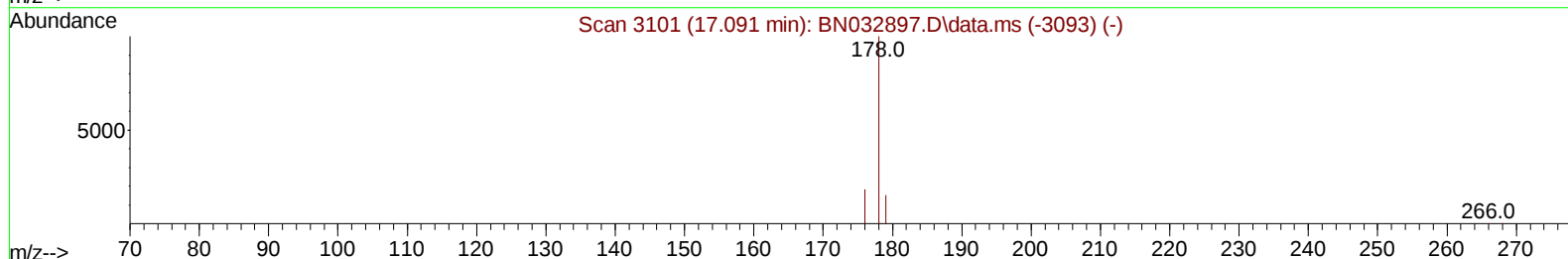
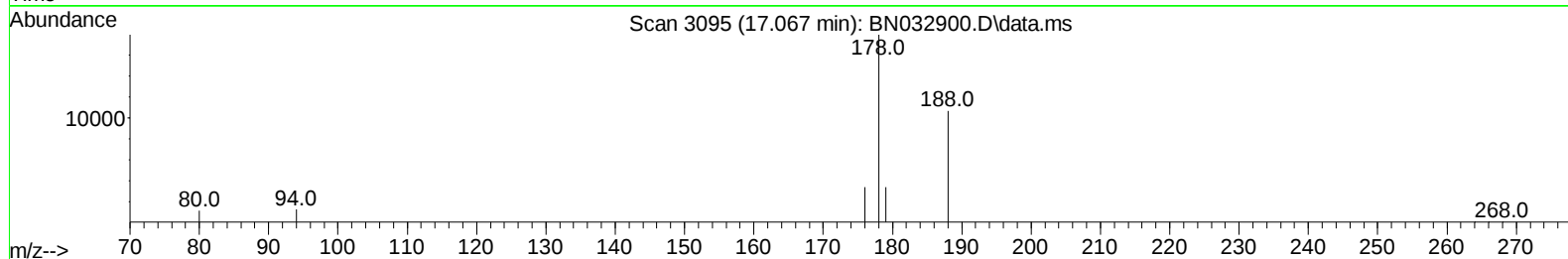
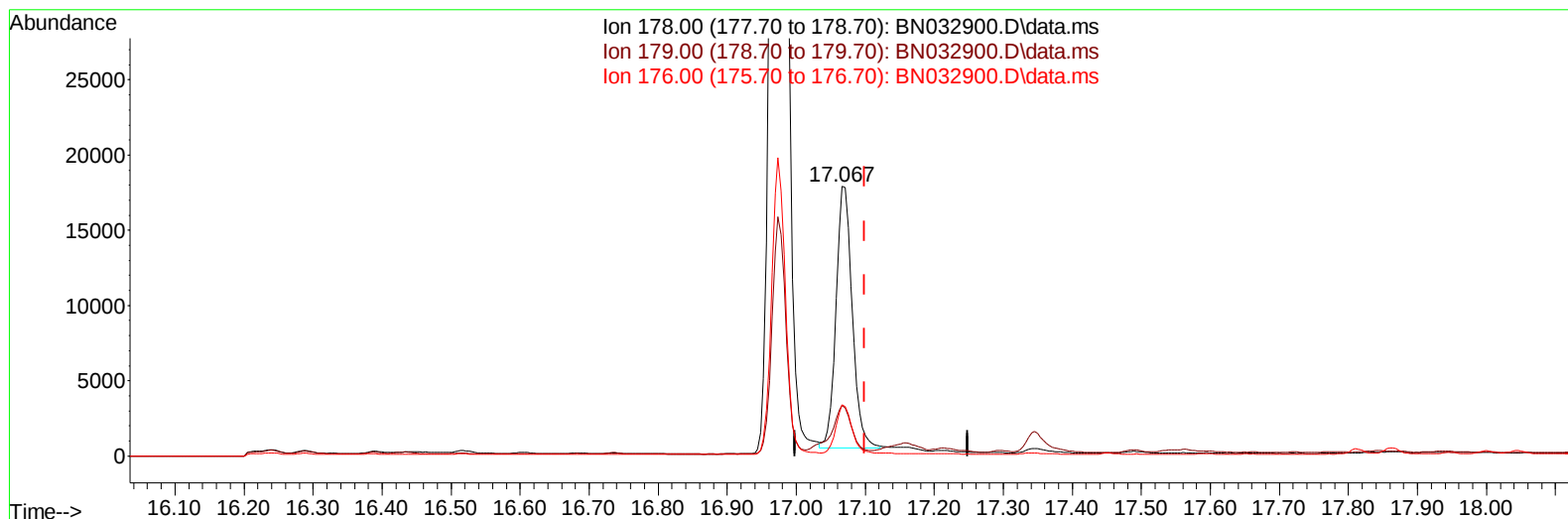
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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: BN032900.D\data.ms

(16) Anthracene

17.067min (-0.032) 0.87 ng/ul m

response 28400

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	18.81
176.00	19.20	18.90
0.00	0.00	0.00

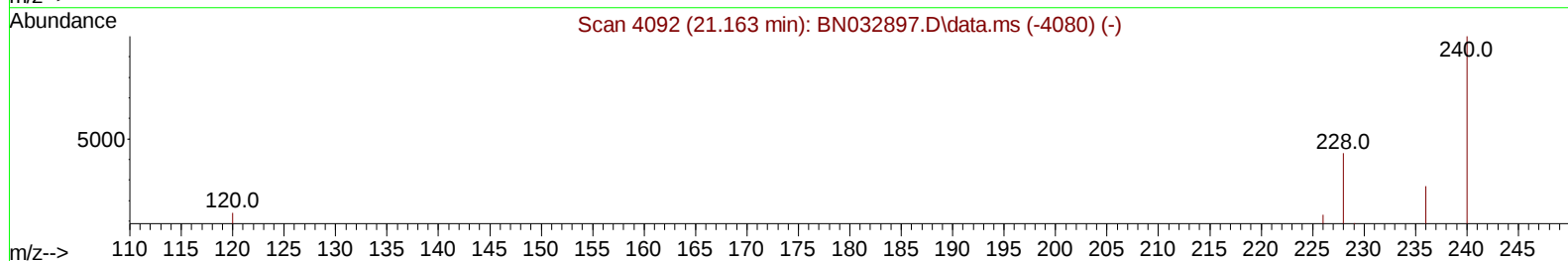
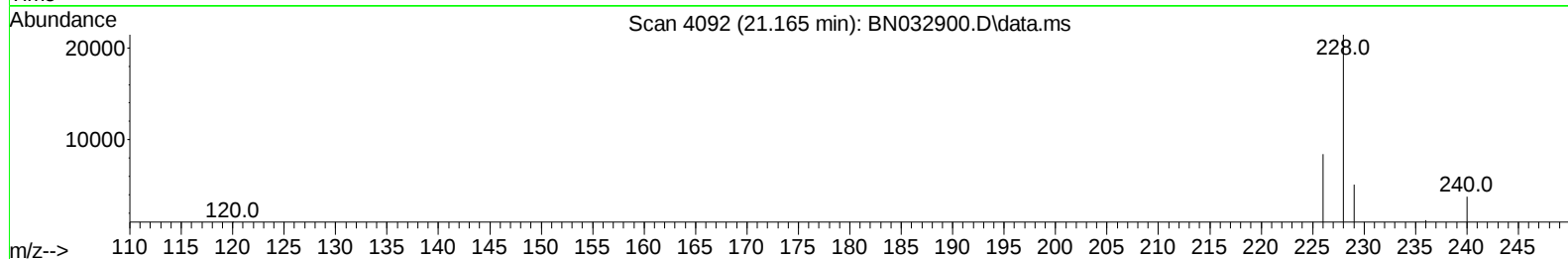
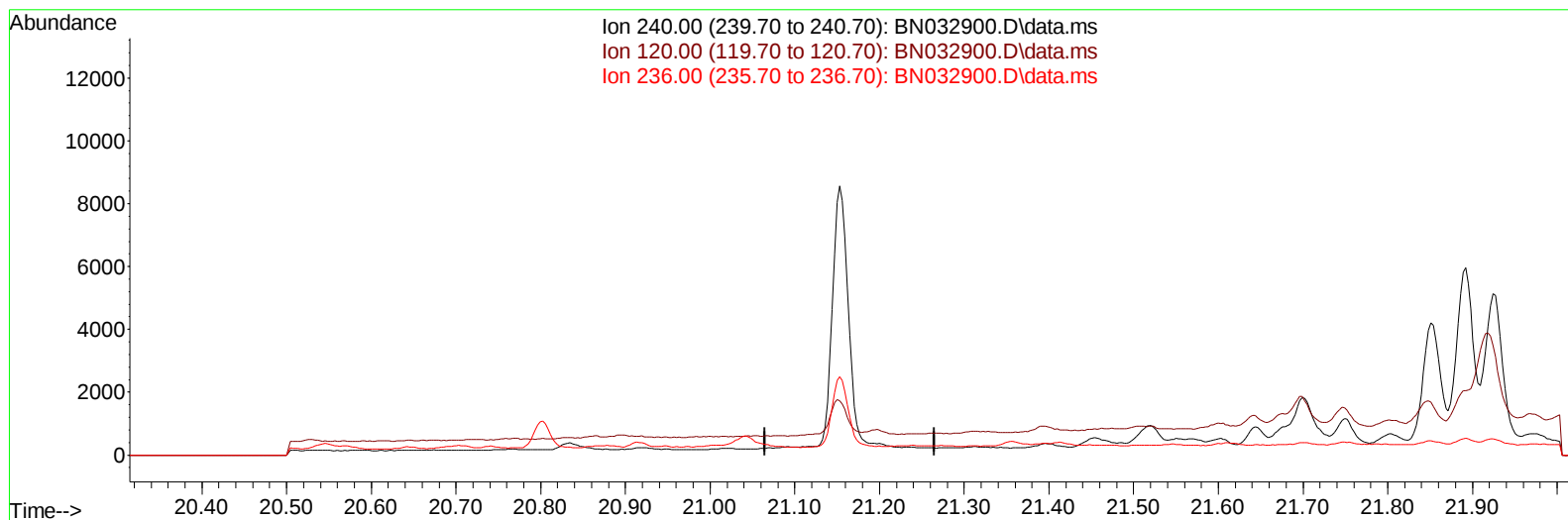
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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
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TIC: BN032900.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

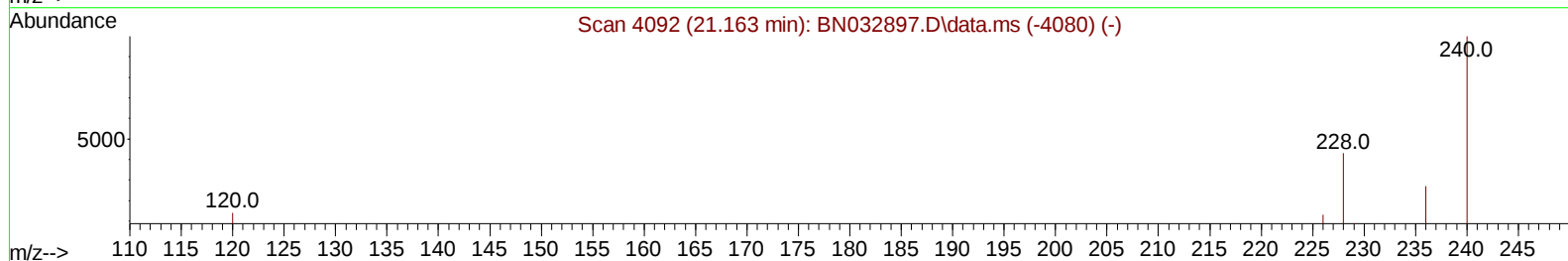
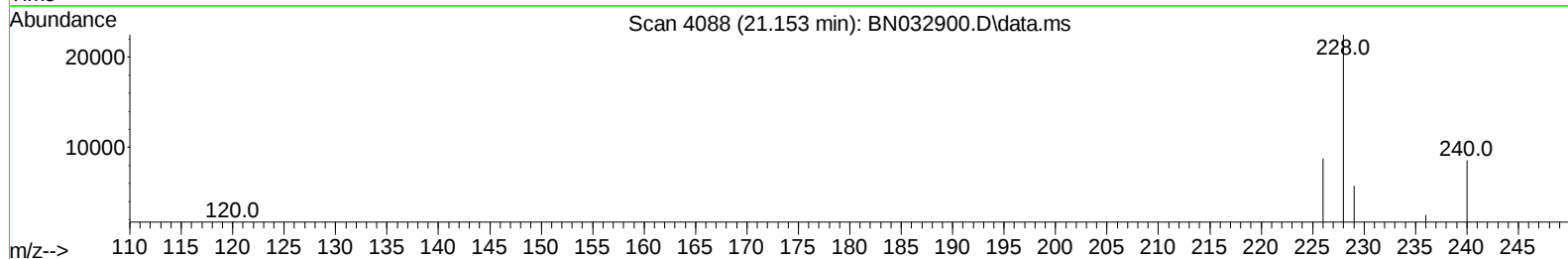
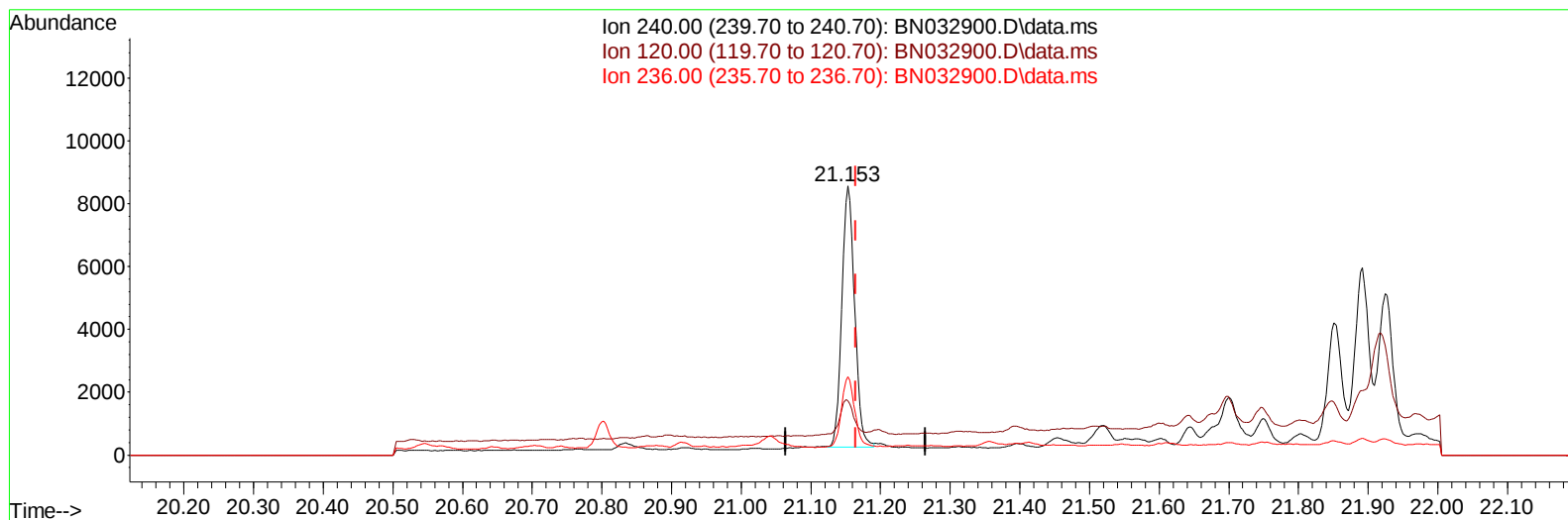
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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: BN032900.D\data.ms

(17) Chrysene-d12

21.153min (-0.012) 0.40 ng/ul m

response 10598

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	20.26
236.00	28.40	29.12
0.00	0.00	0.00

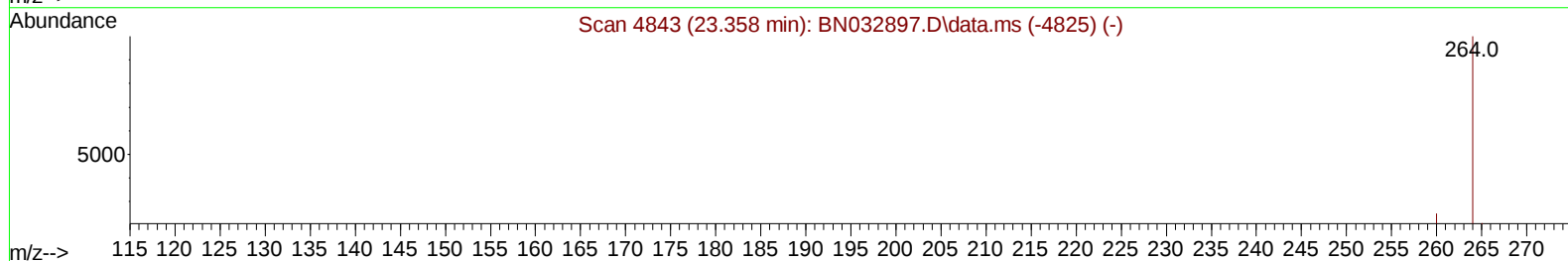
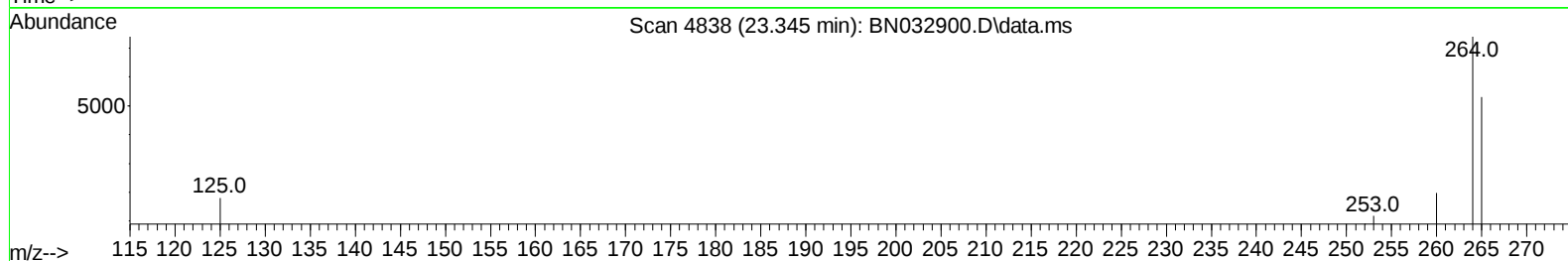
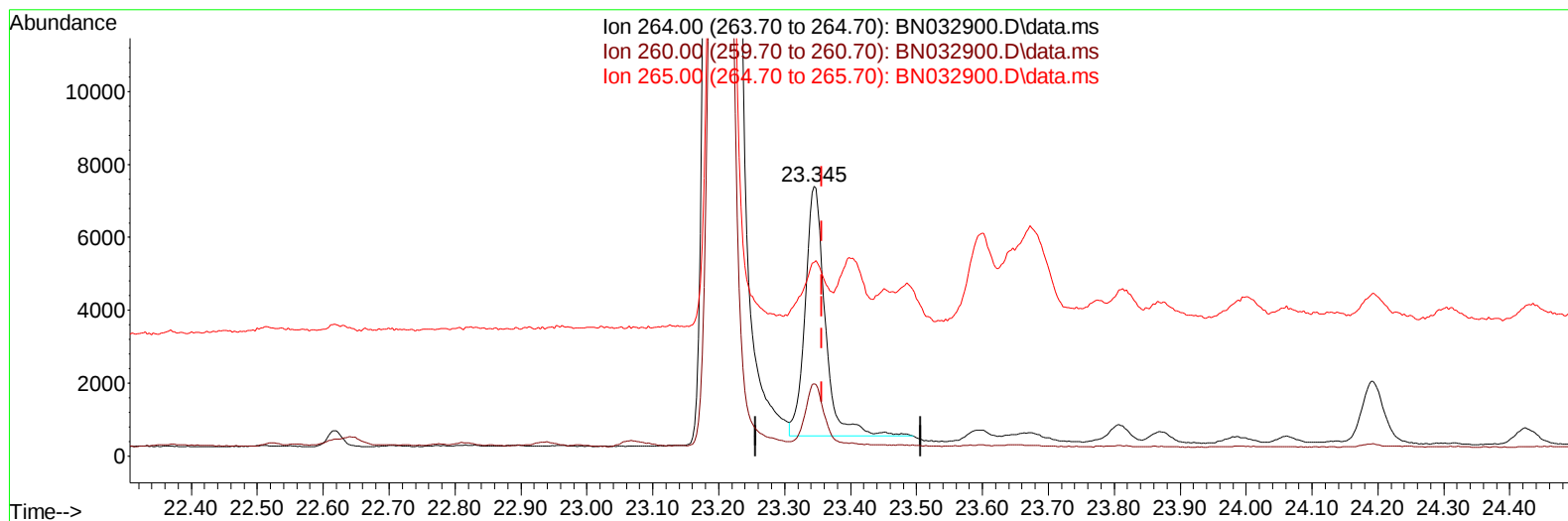
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN032900.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 14405

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.79
265.00	95.50	71.83#
0.00	0.00	0.00

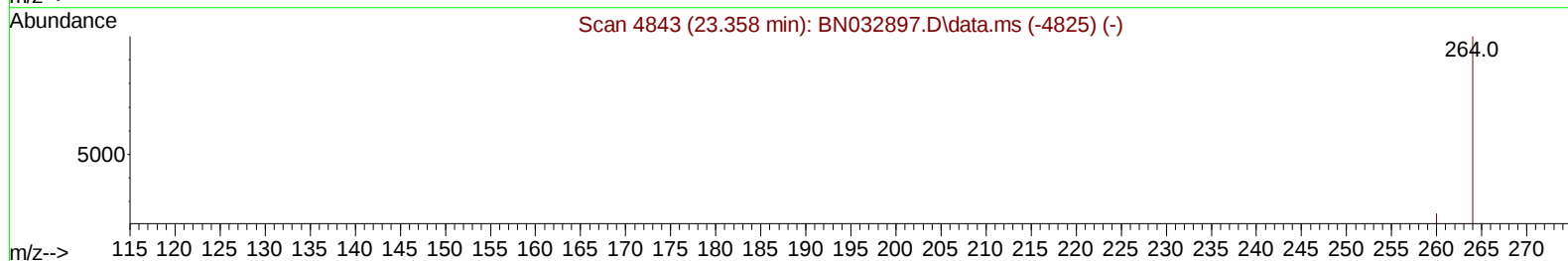
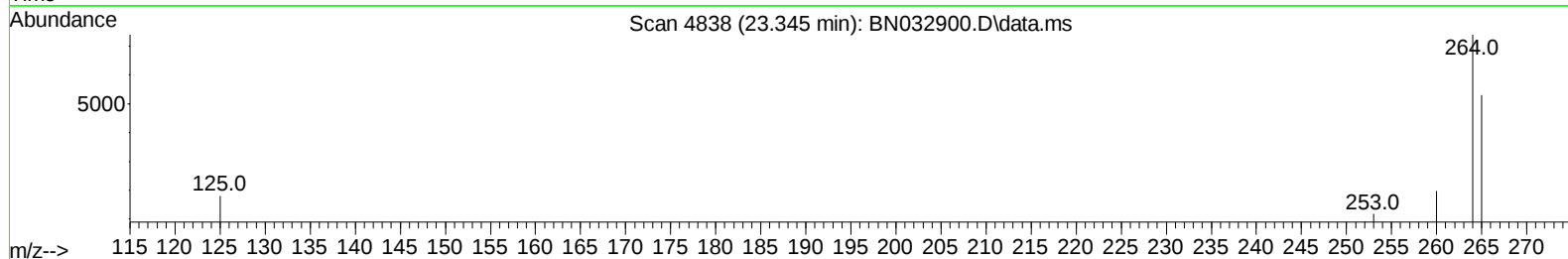
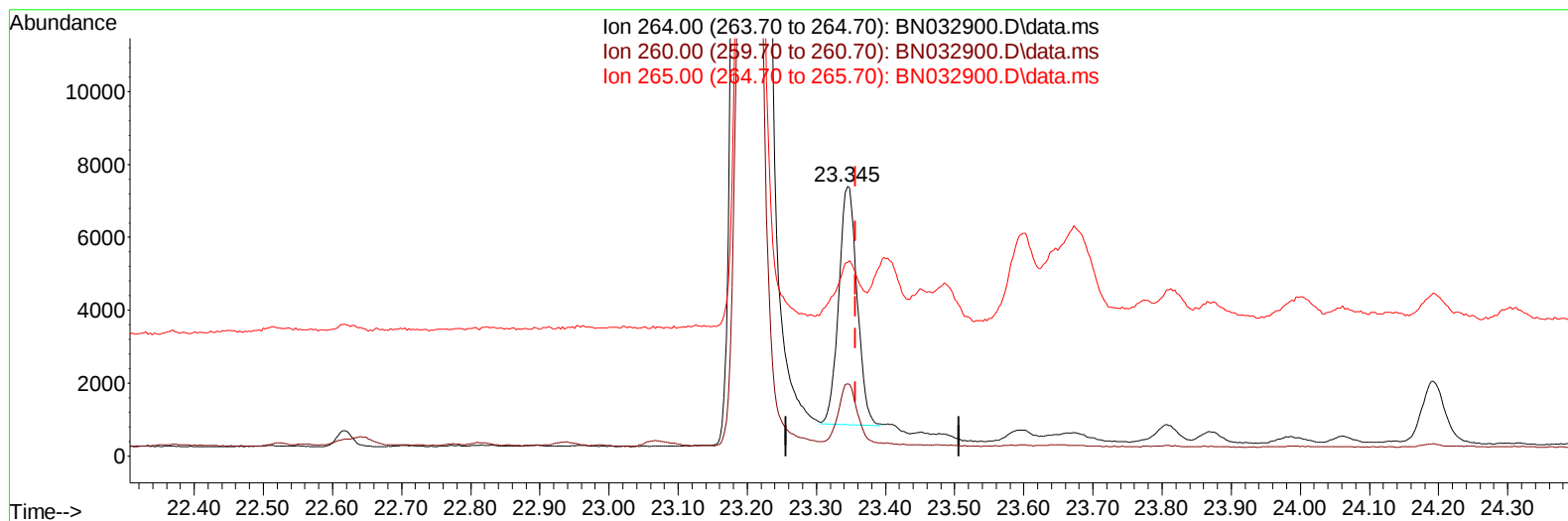
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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: BN032900.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 12116

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.79
265.00	95.50	71.83#
0.00	0.00	0.00

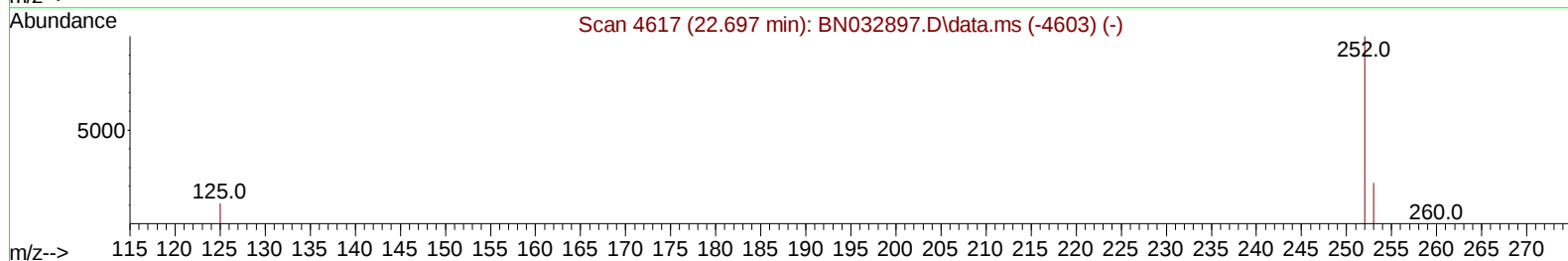
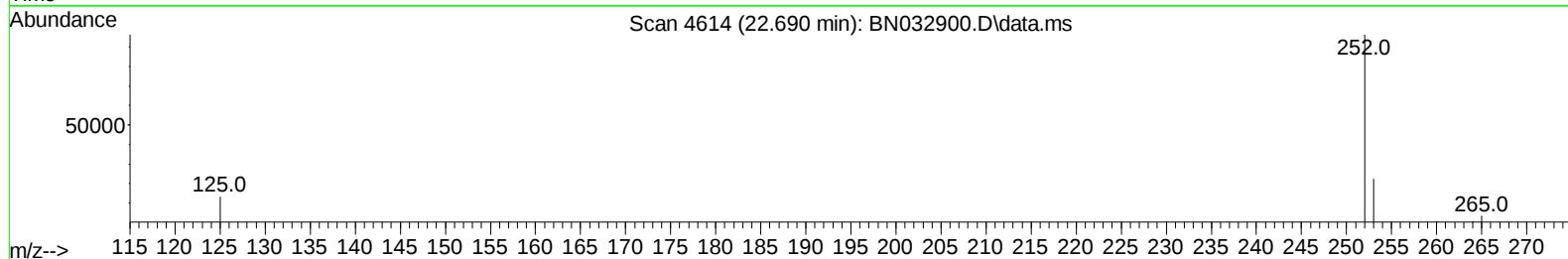
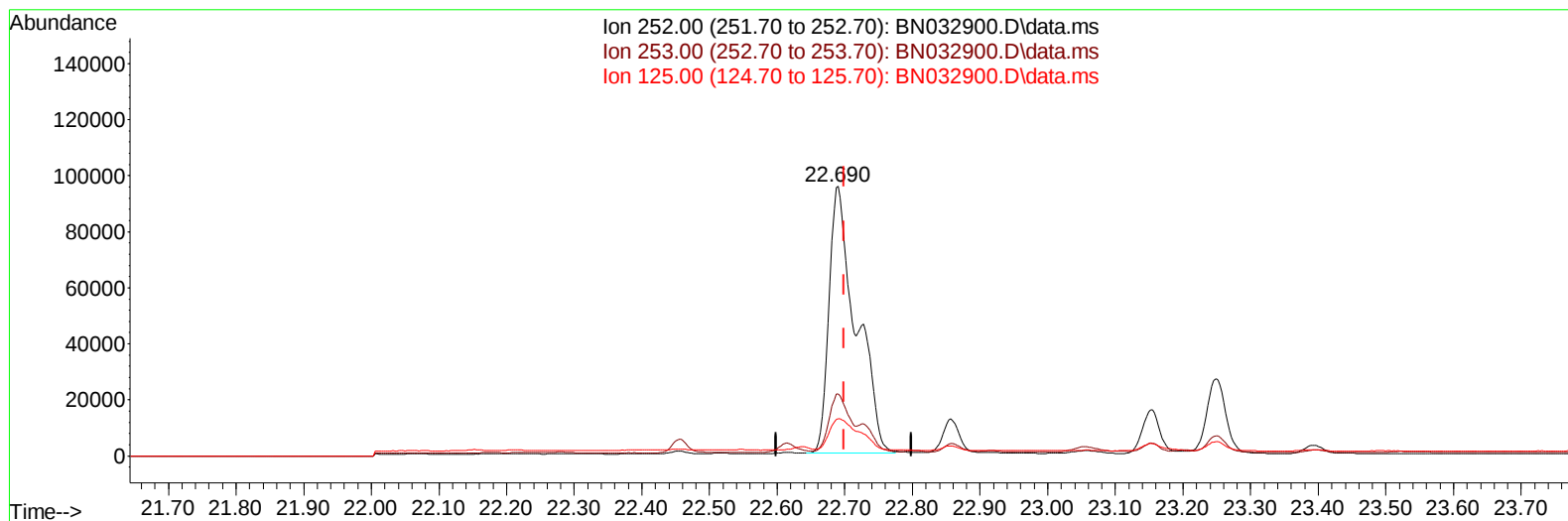
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
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Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 2024
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Reviewed By :Yogesh Patel 07/23/2024
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TIC: BN032900.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 6.19 ng/u1

response 264417

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.12
125.00	18.00	13.91
0.00	0.00	0.00

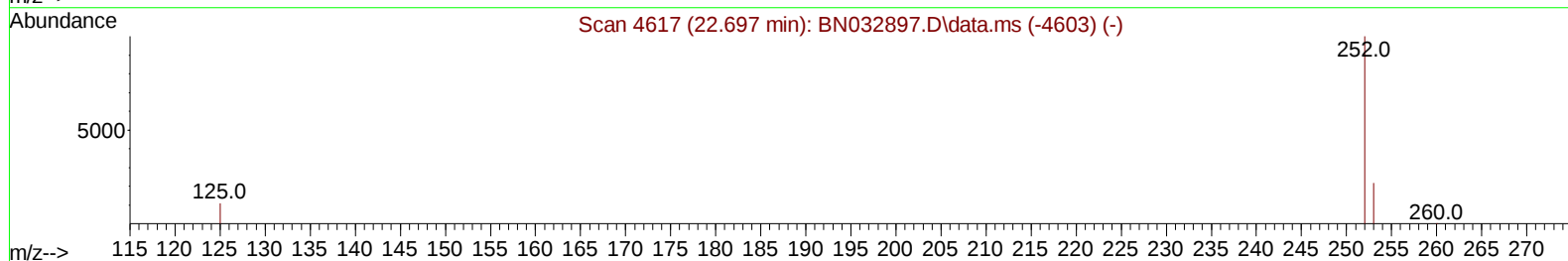
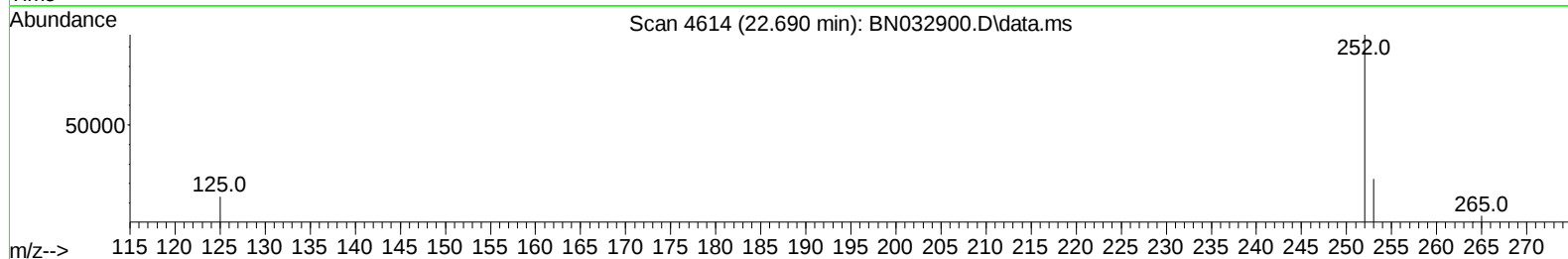
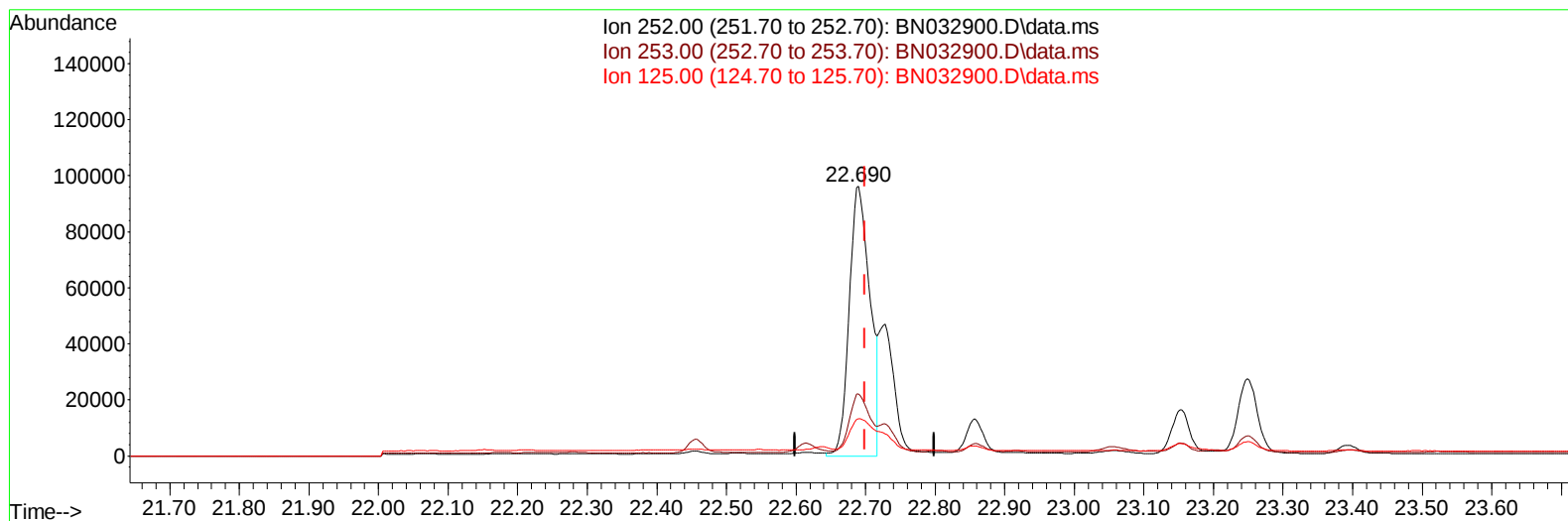
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032900.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 4.65 ng/u1 m

response 198823

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.12
125.00	18.00	13.91
0.00	0.00	0.00

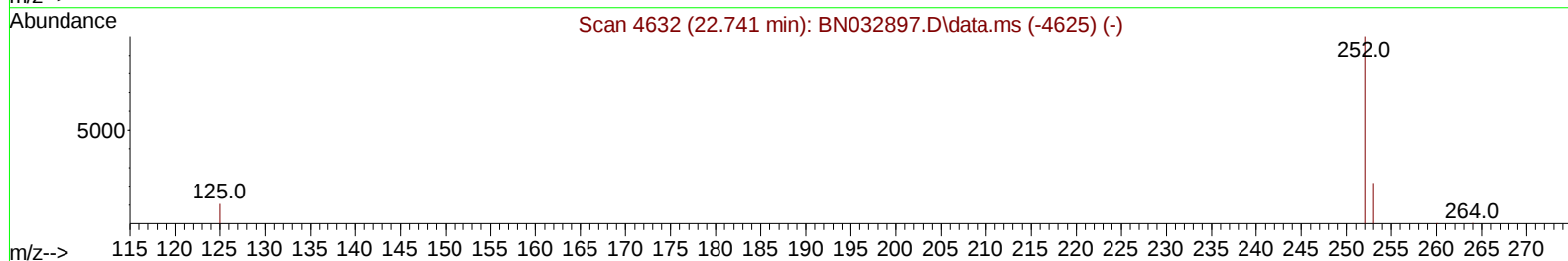
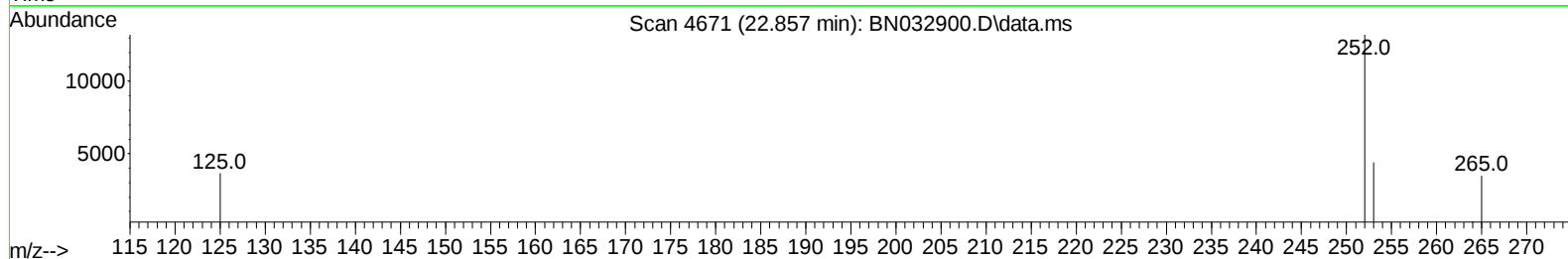
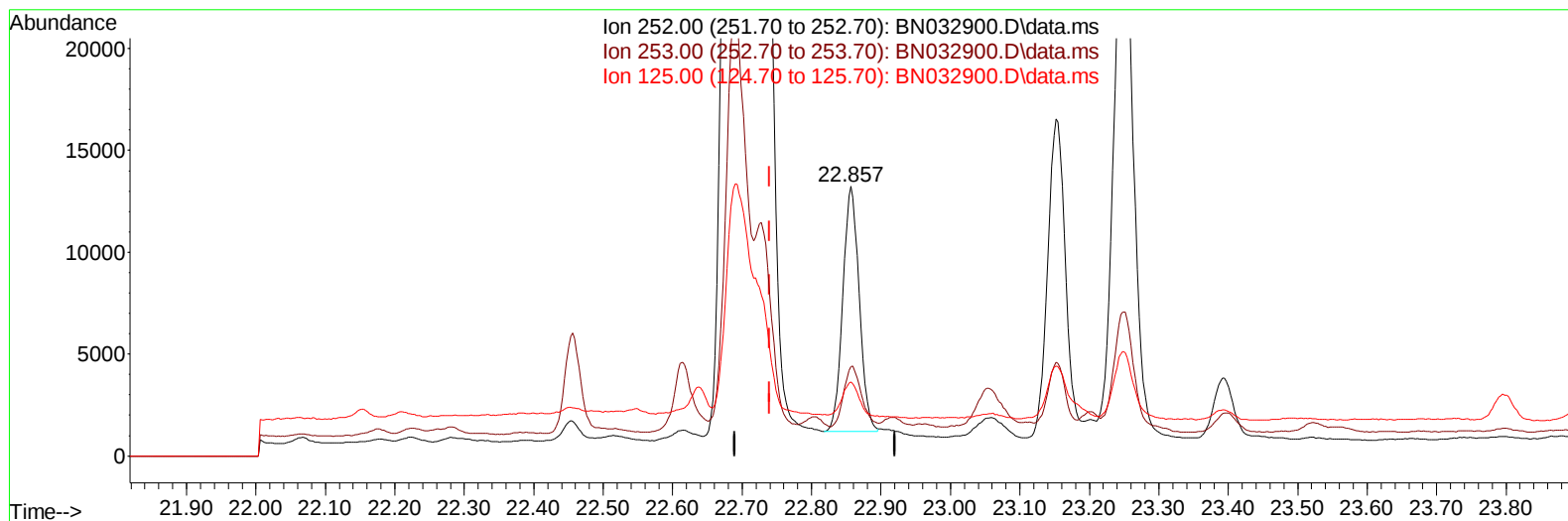
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Supervised By :mohammad ahmed 07/23/2024



TIC: BN032900.D\data.ms

(25) Benzo(k)fluoranthene

22.857min (+ 0.117) 0.38 ng/u1

response 19723

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	33.22#
125.00	18.50	27.46#
0.00	0.00	0.00

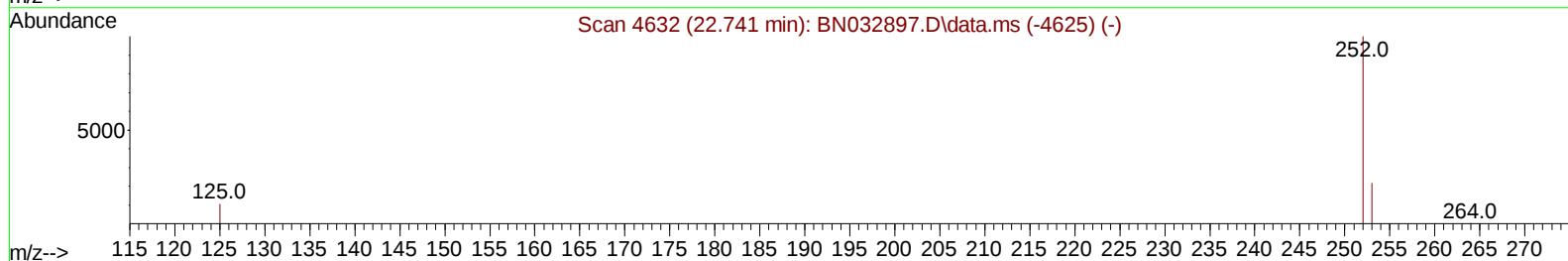
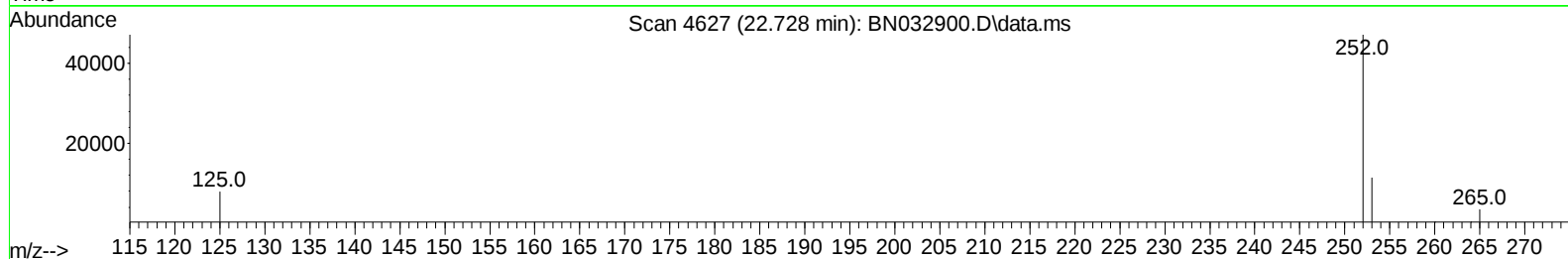
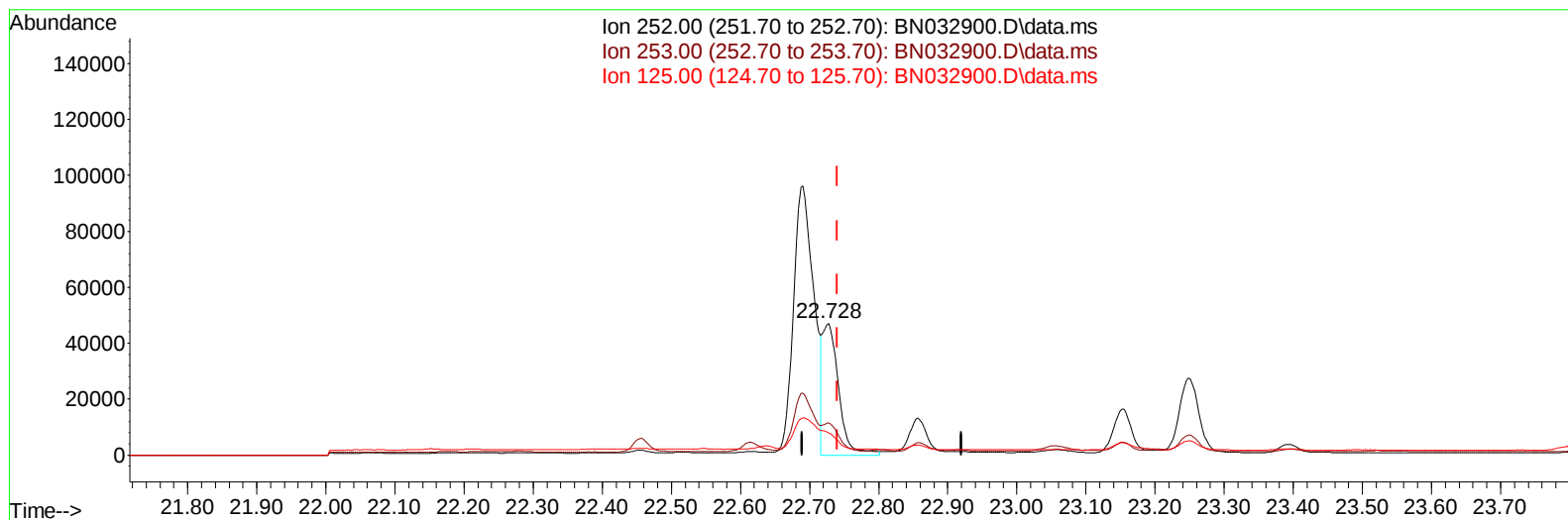
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032900.D
Acq On : 22 Jul 2024 19:11
Operator : MA/JU
Sample : P3215-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BD3

Manual IntegrationsAPPROVED

Quant Time: Jul 23 01:35:45 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: BN032900.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.012) 1.45 ng/u1 m

response 75498

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	24.31
125.00	18.50	16.78
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.523	152	4452	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.288	136	15096	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.174	164	9033	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.936	188	14651m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.153	240	10598m	0.400	ng/ul	-0.01
23) Perylene-d12	23.345	264	12116m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	15781	2.952	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.894	152	5166	0.226	ng/ul	-0.03
18) Fluoranthene-d10	18.976	212	7837	0.227	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.338	128	2805	0.069	ng/ul#	93
7) 2-Methylnaphthalene	11.971	142	1262	0.050	ng/ul	97
8) 1-Methylnaphthalene	12.197	142	1225	0.047	ng/ul	99
10) Acenaphthylene	13.892	152	8257	0.226	ng/ul	99
11) Acenaphthene	14.235	153	5155	0.171	ng/ul	100
12) Fluorene	15.234	166	6534	0.189	ng/ul	99
15) Phenanthrene	16.974	178	145284m	3.641	ng/ul	
16) Anthracene	17.067	178	28400m	0.871	ng/ul	
19) Fluoranthene	19.008	202	301986	7.008	ng/ul	99
20) Pyrene	19.375	202	173728	3.895	ng/ul	98
21) Benzo(a)anthracene	21.138	228	122983	3.646	ng/ul	99
22) Chrysene	21.191	228	138627	2.841	ng/ul	98
24) Benzo(b)fluoranthene	22.690	252	198823m	4.651	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	75498m	1.449	ng/ul	
26) Benzo(a)pyrene	23.248	252	52658	1.423	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.545	276	61169	1.221	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.545	278	23284	0.600	ng/ul#	90
29) Benzo(g,h,i)perylene	26.233	276	8013	0.191	ng/ul#	68

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

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