

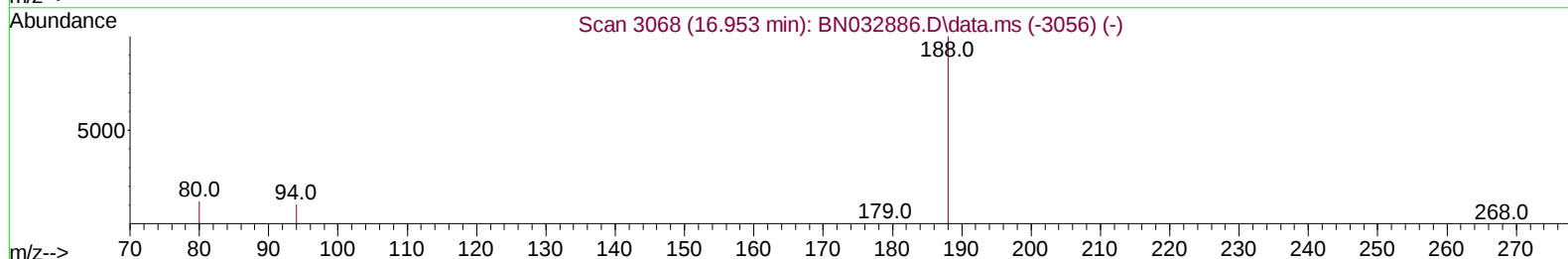
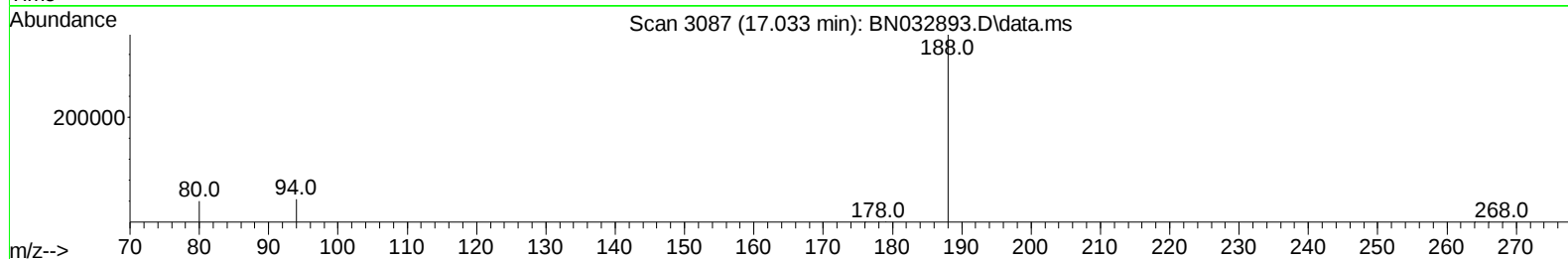
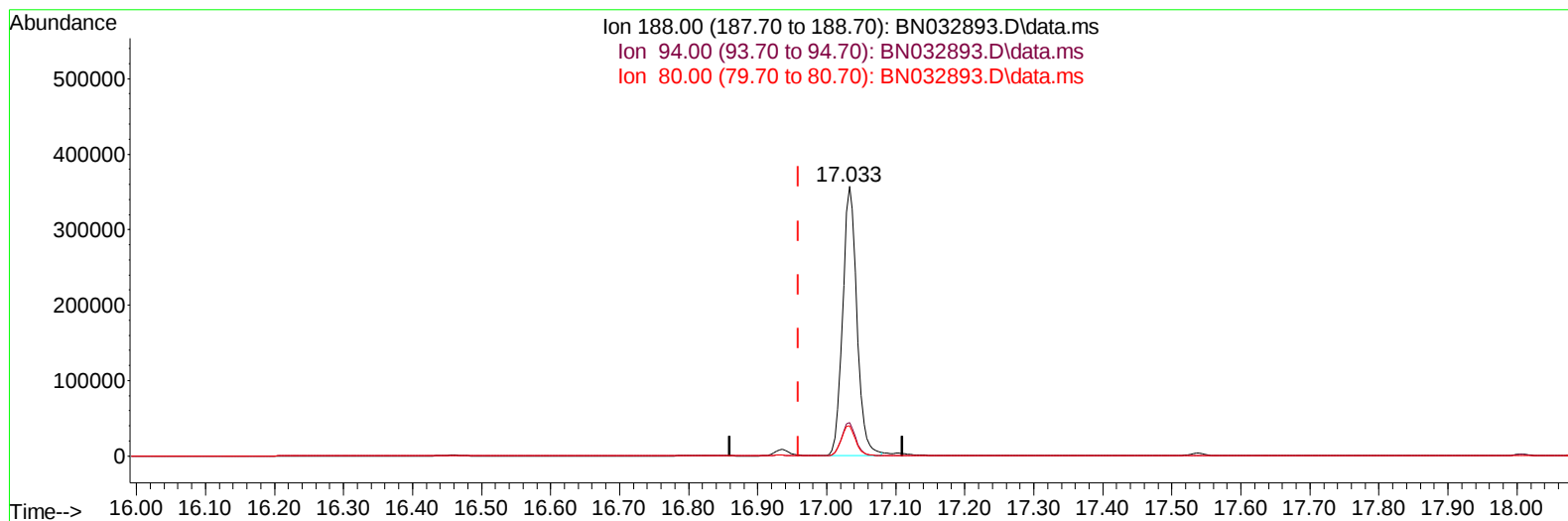
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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: BN032893.D\data.ms

(13) Phenanthrene-d10 (I)

17.033min (+ 0.073) 0.40 ng/u1

response 516618

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.37
80.00	12.00	11.19
0.00	0.00	0.00

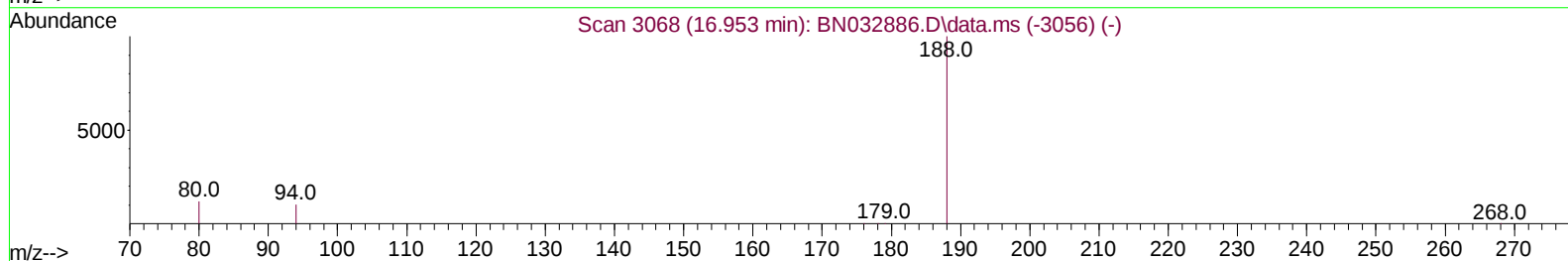
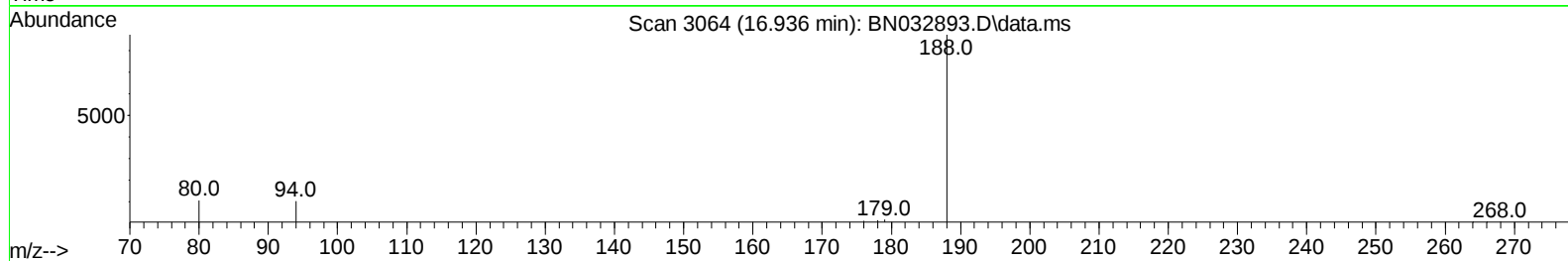
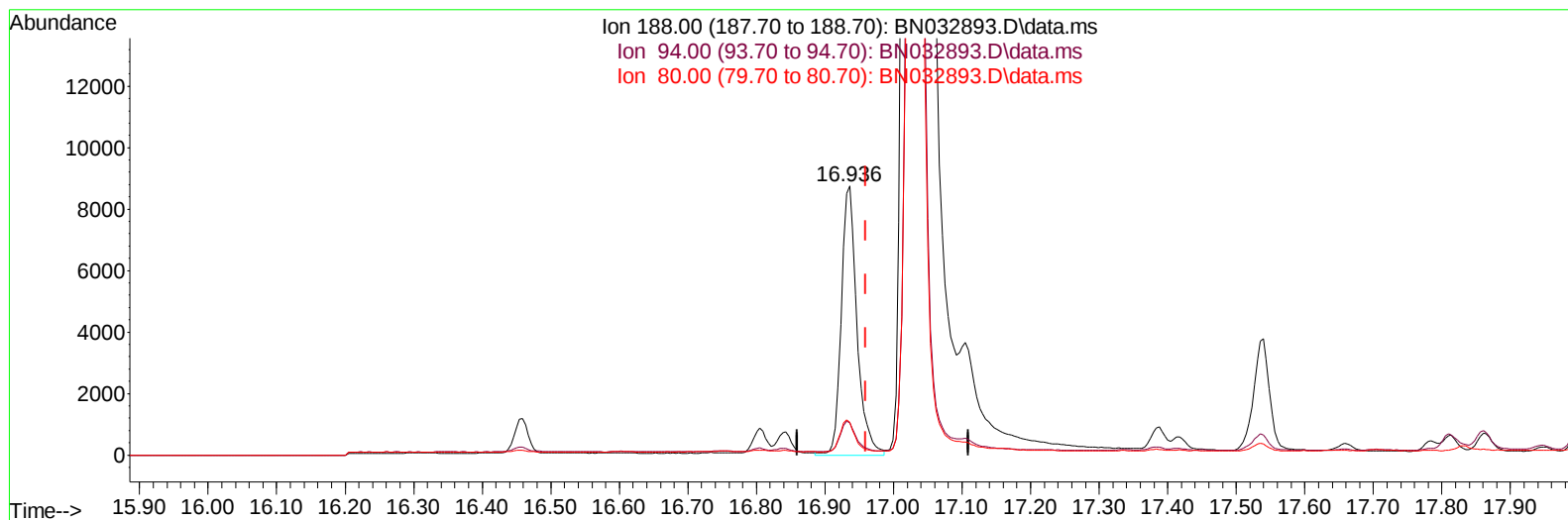
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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: BN032893.D\data.ms

(13) Phenanthrene-d10 (I)

16.936min (-0.024) 0.40 ng/u1 m

response 13816

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.84
80.00	12.00	12.21
0.00	0.00	0.00

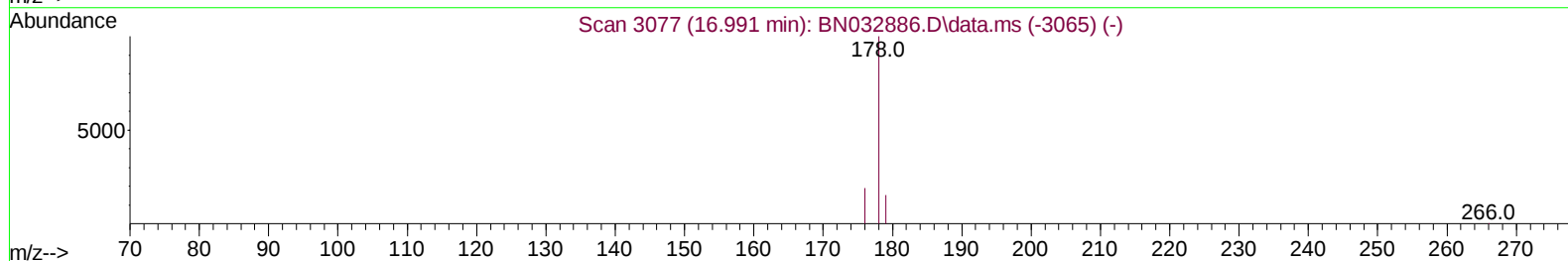
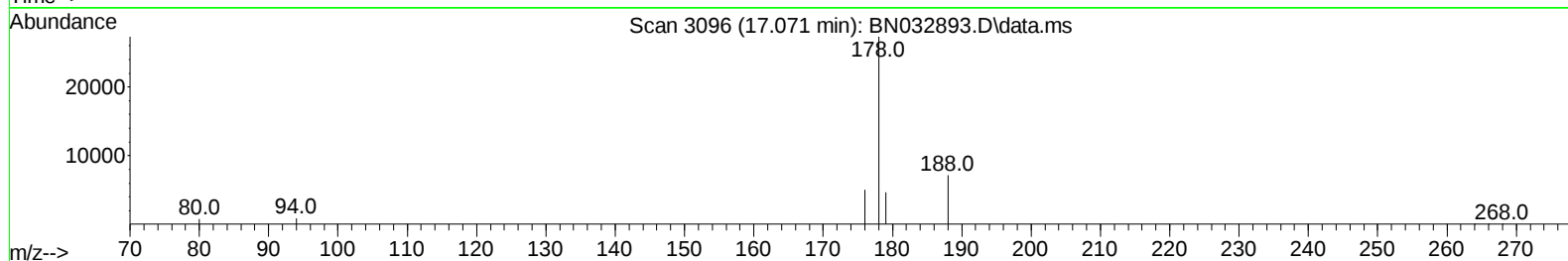
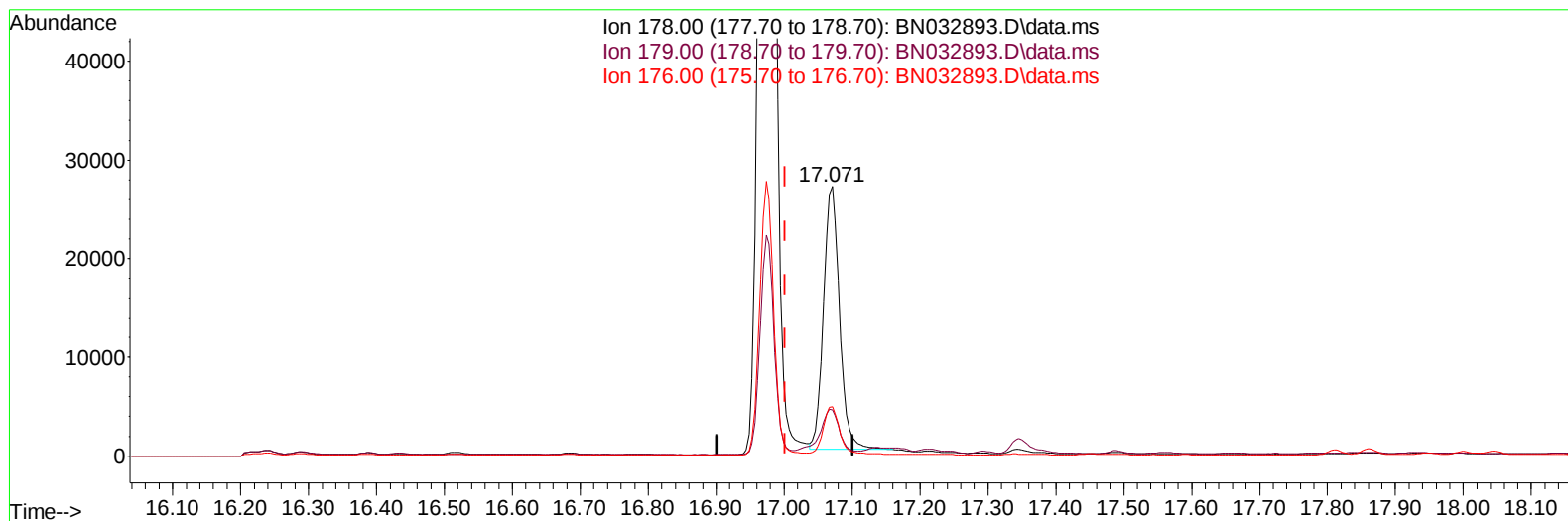
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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: BN032893.D\data.ms

(15) Phenanthrene

17.071min (+ 0.069) 1.17 ng/u1

response 43837

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.12
176.00	19.50	18.40
0.00	0.00	0.00

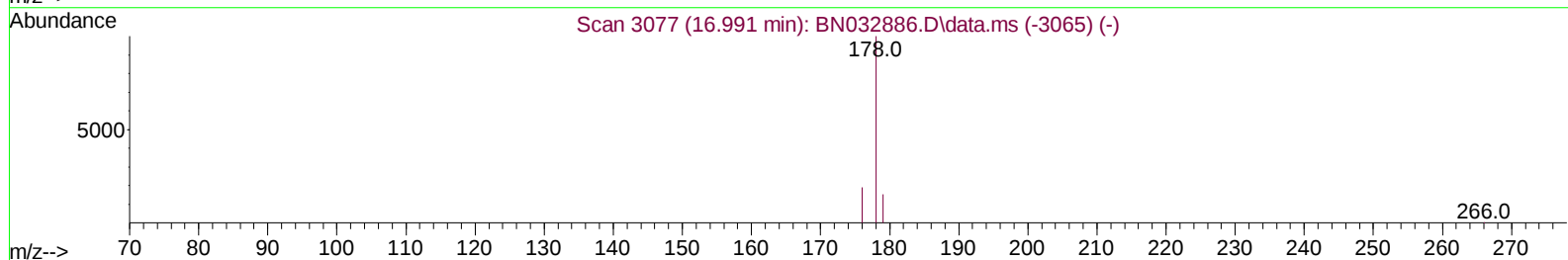
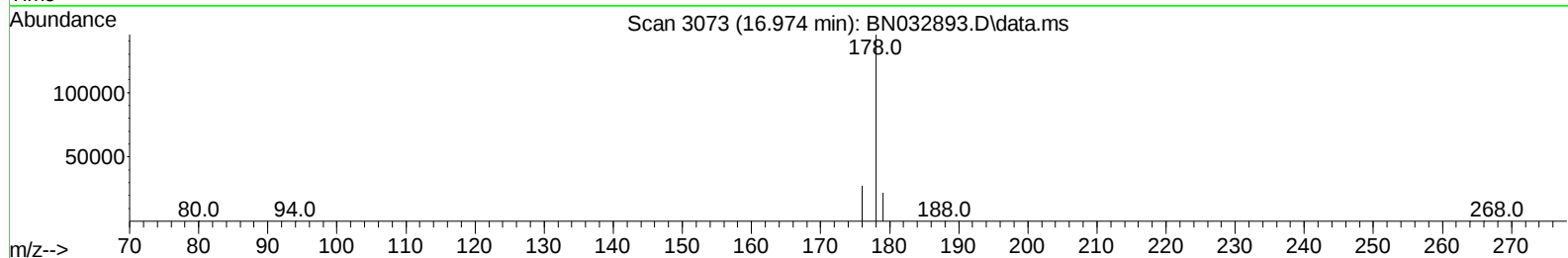
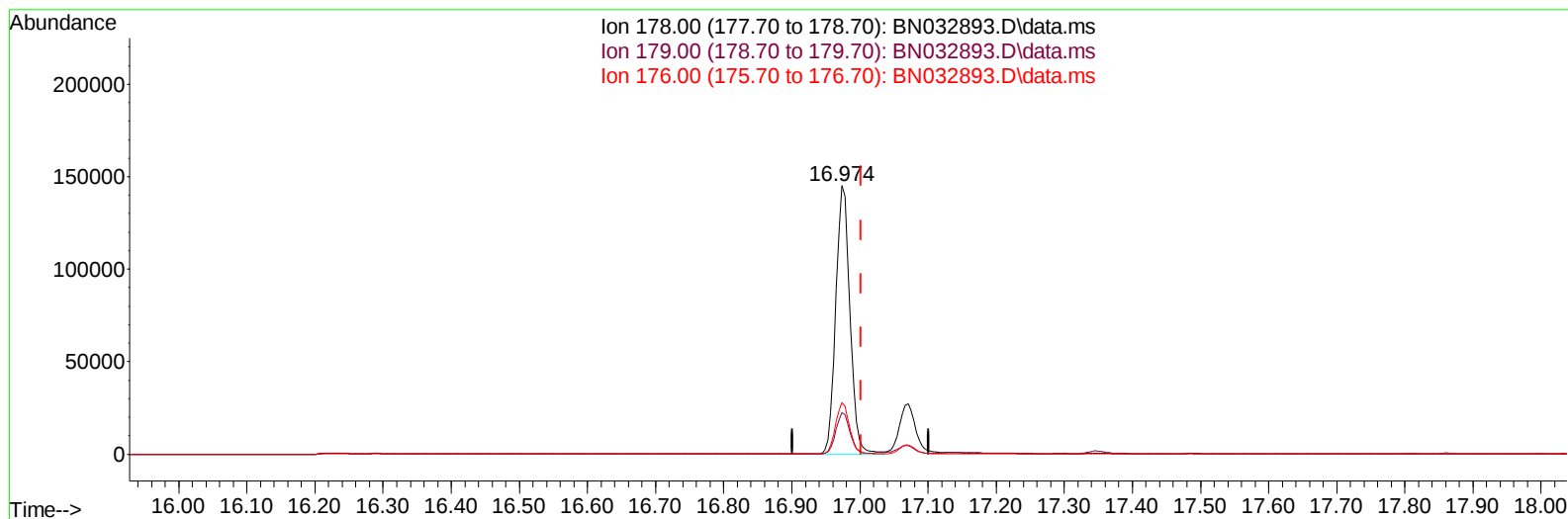
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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
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TIC: BN032893.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 5.61 ng/u1 m

response 210982

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.41
176.00	19.50	19.18
0.00	0.00	0.00

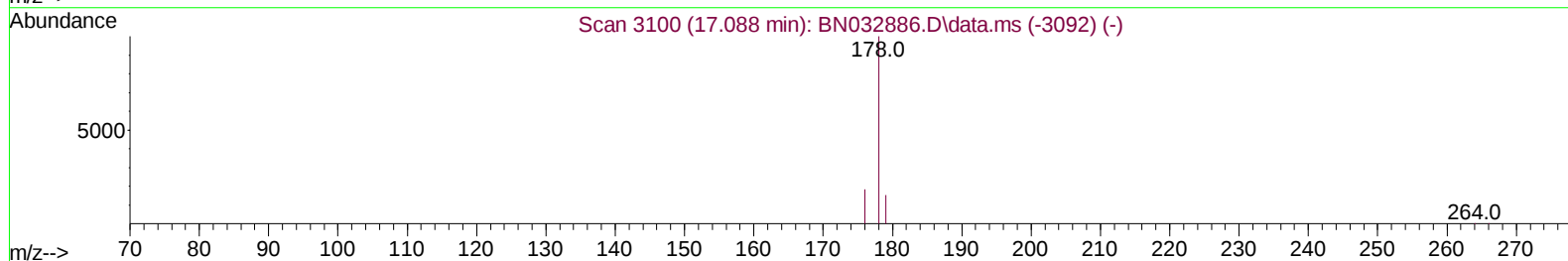
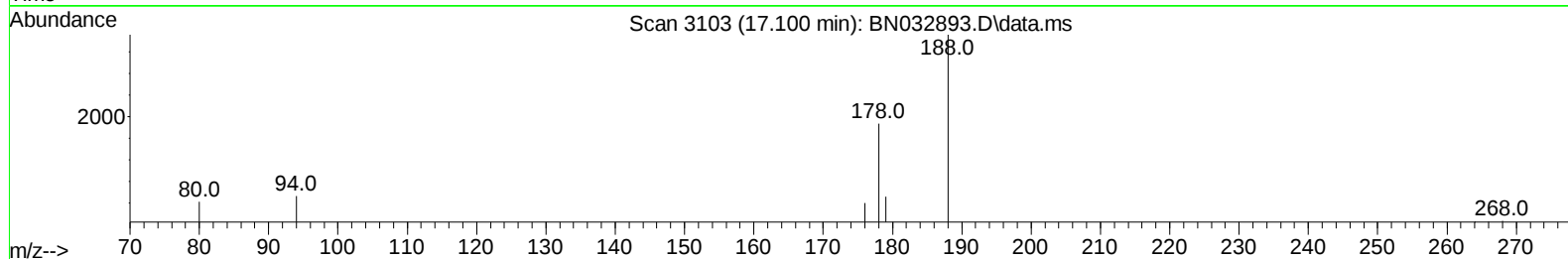
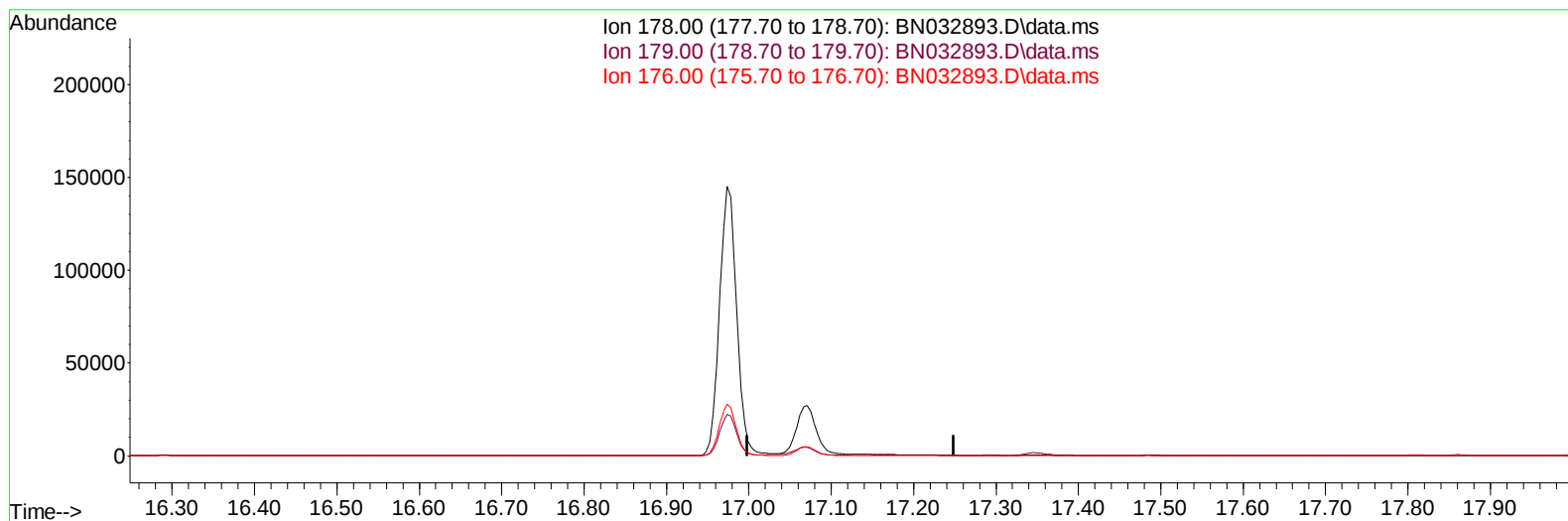
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

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

Quant Time: Jul 22 16:05:55 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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TIC: BN032893.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

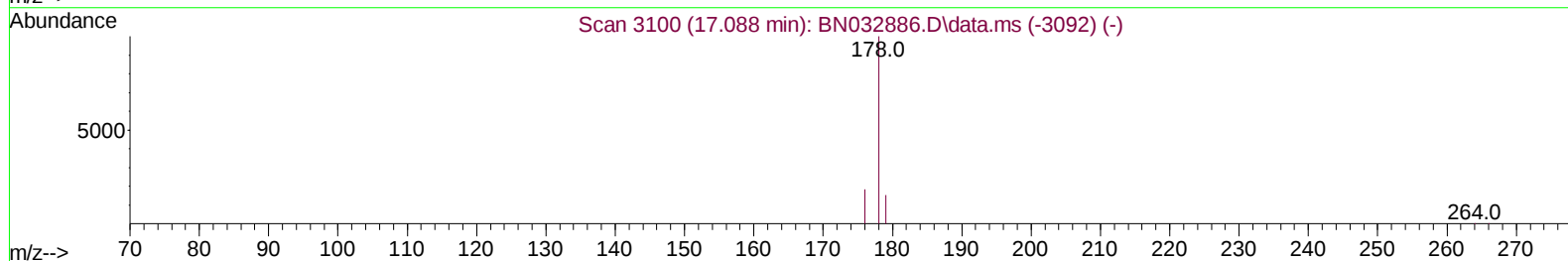
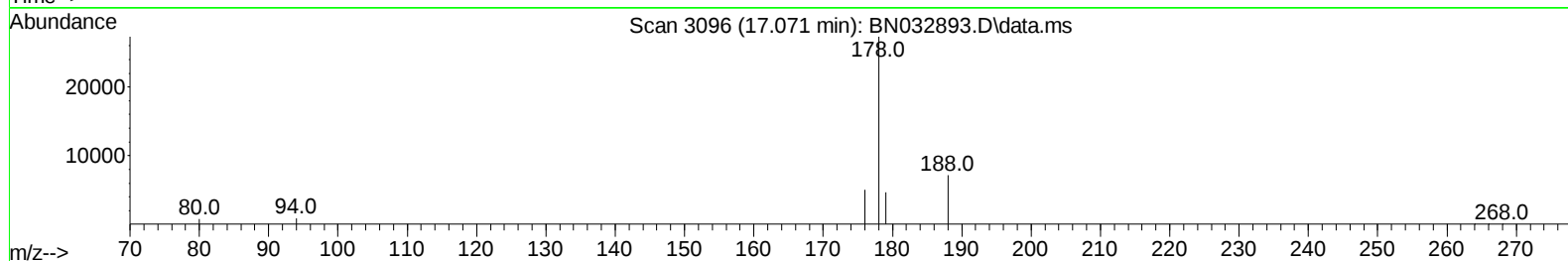
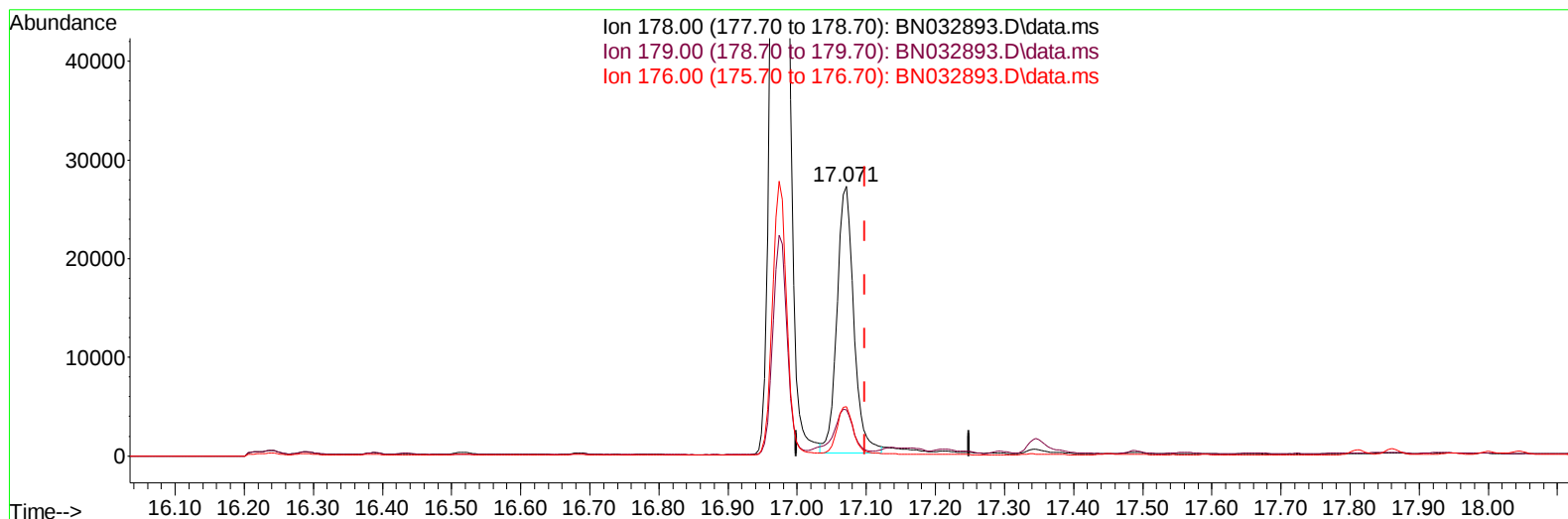
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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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Response via : Initial Calibration

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



TIC: BN032893.D\data.ms

(16) Anthracene

17.071min (-0.028) 1.48 ng/ul m

response 45626

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.12
176.00	19.20	18.40
0.00	0.00	0.00

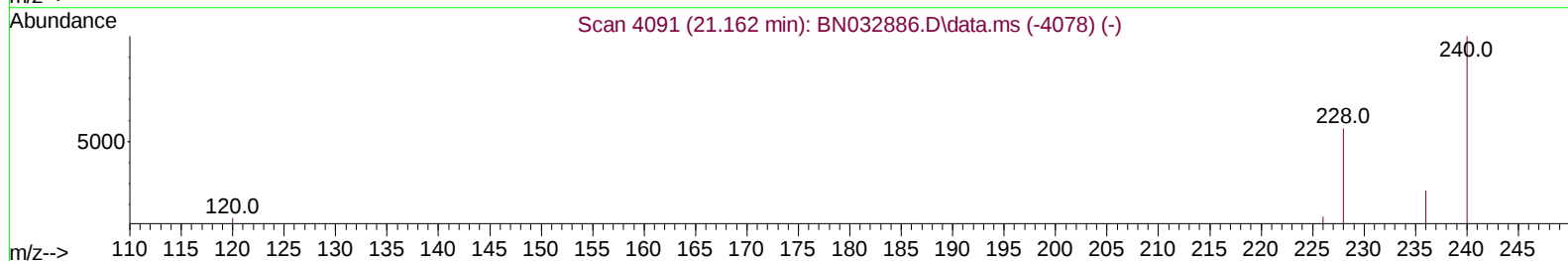
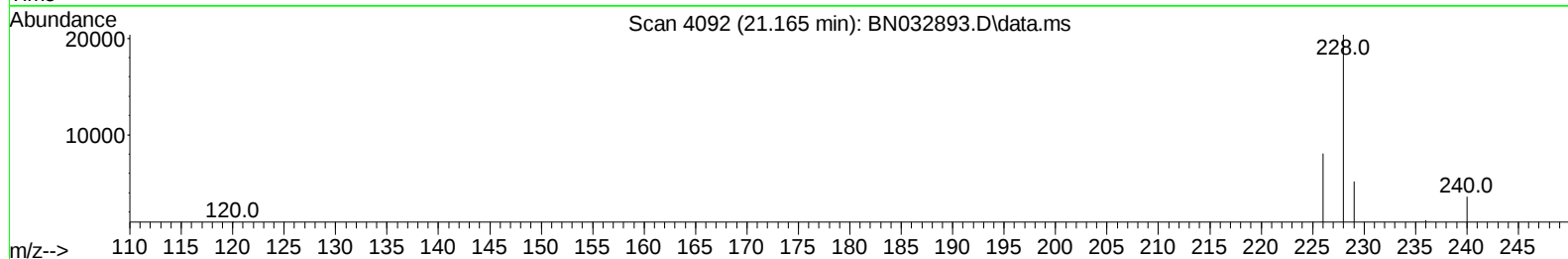
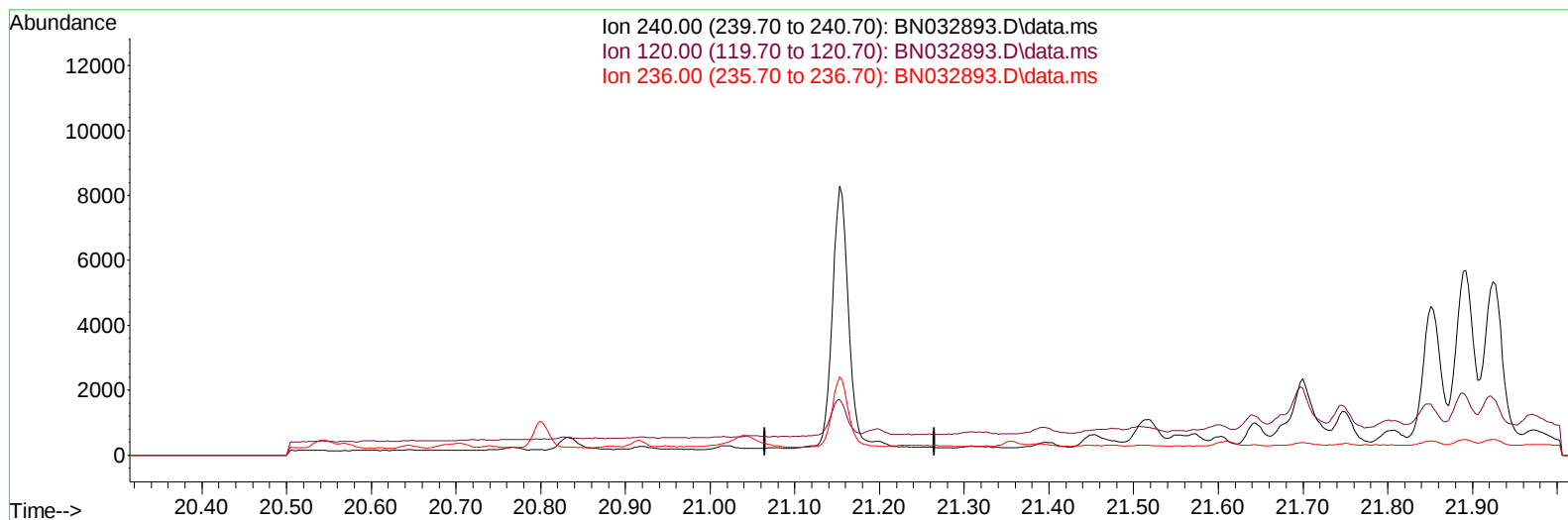
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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: BN032893.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

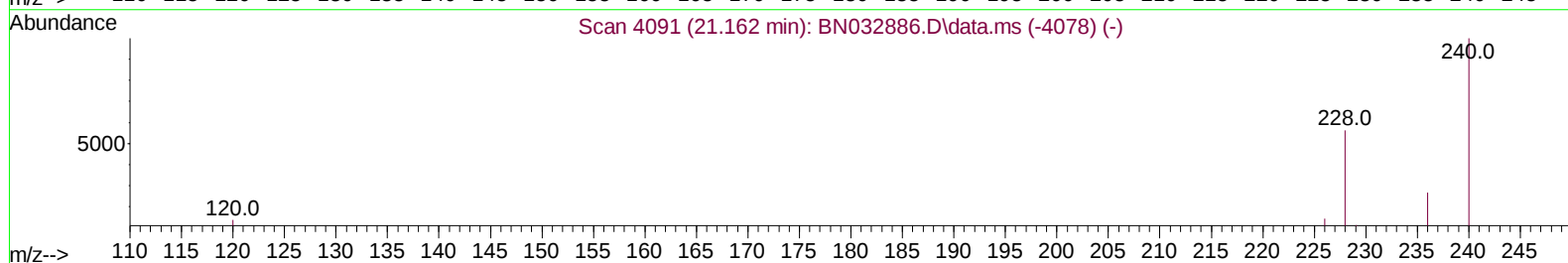
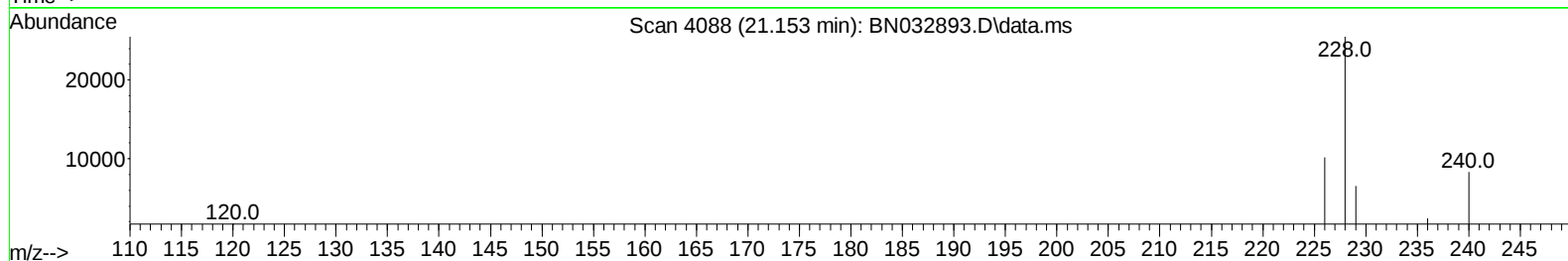
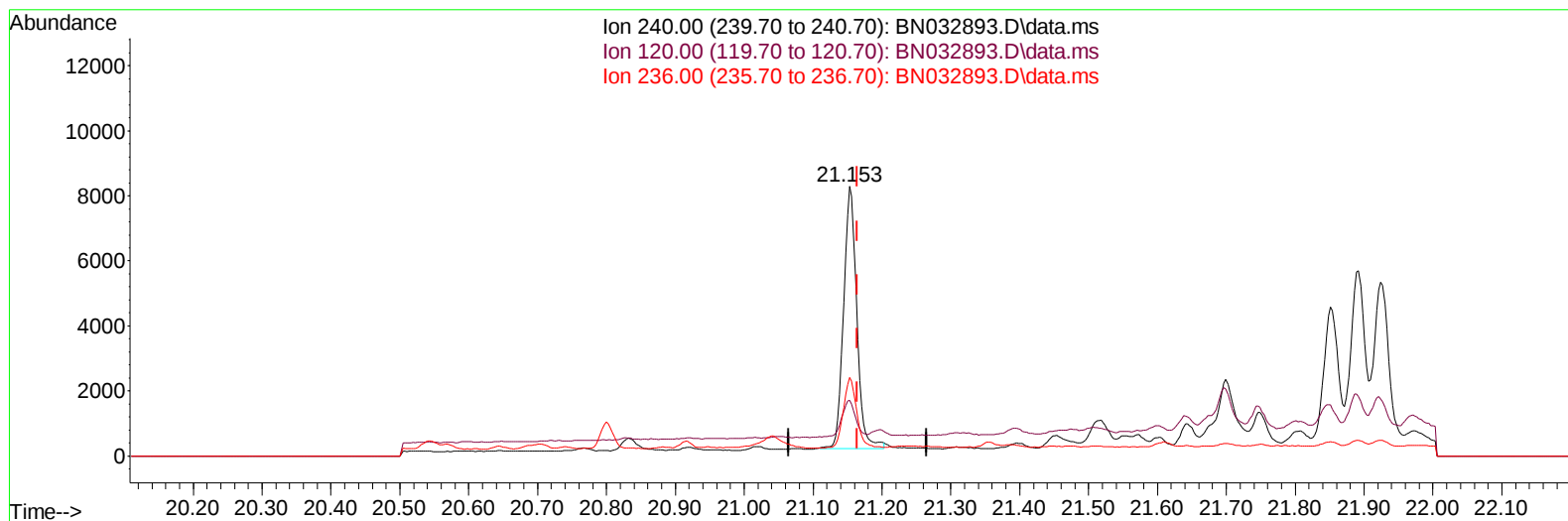
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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: BN032893.D\data.ms

(17) Chrysene-d12

21.153min (-0.012) 0.40 ng/u1 m

response 10782

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	20.69
236.00	28.40	29.20
0.00	0.00	0.00

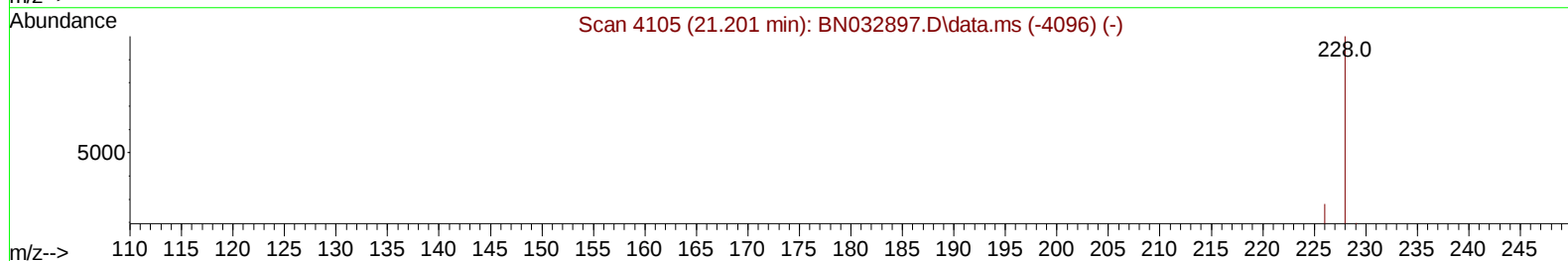
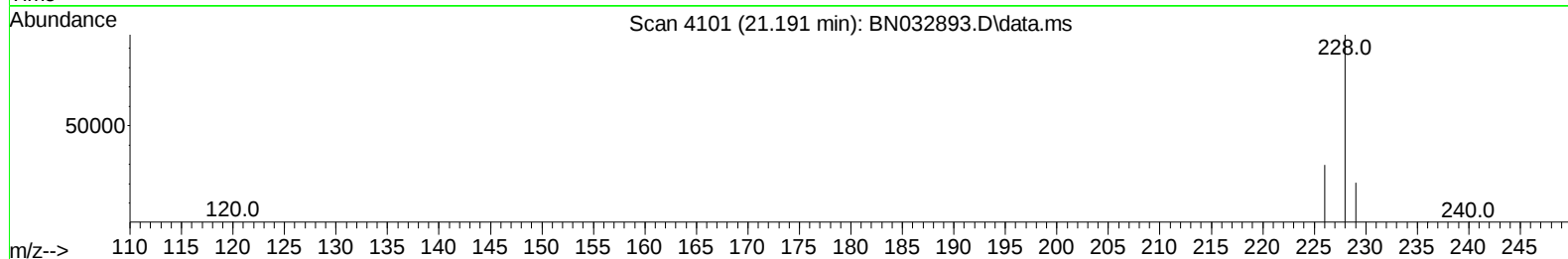
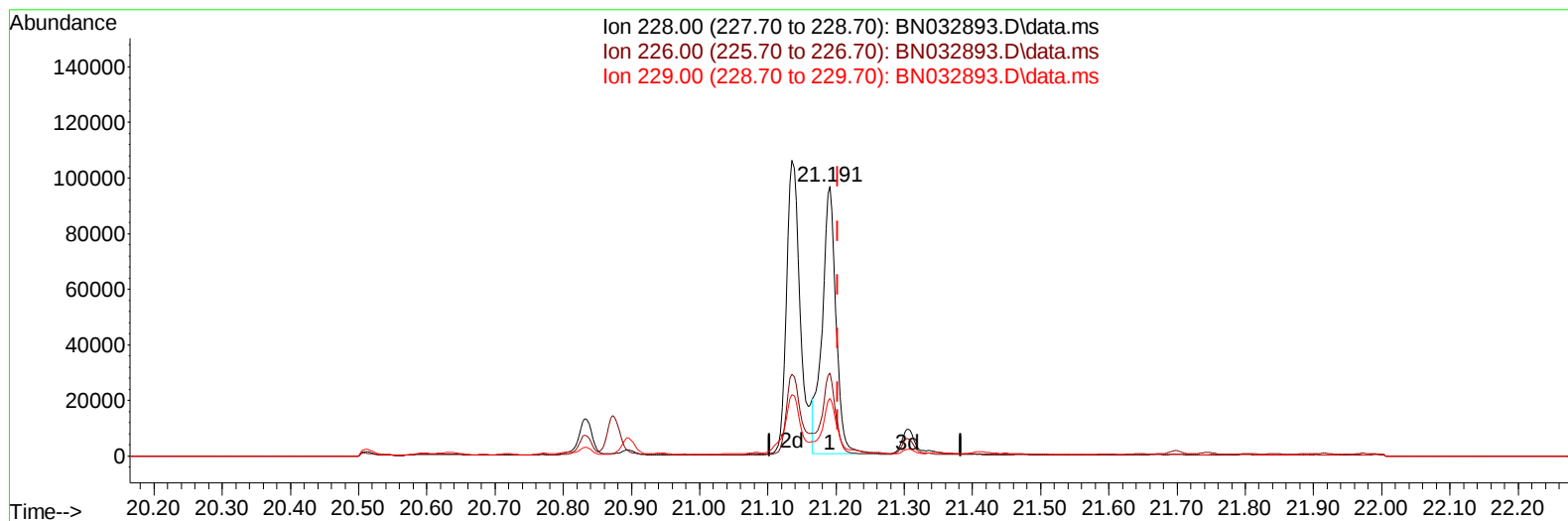
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

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

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TIC: BN032893.D\data.ms

(22) Chrysene

21.191min (-0.012) 2.77 ng/u1

response 137481

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.00	30.81
229.00	19.70	21.26
0.00	0.00	0.00

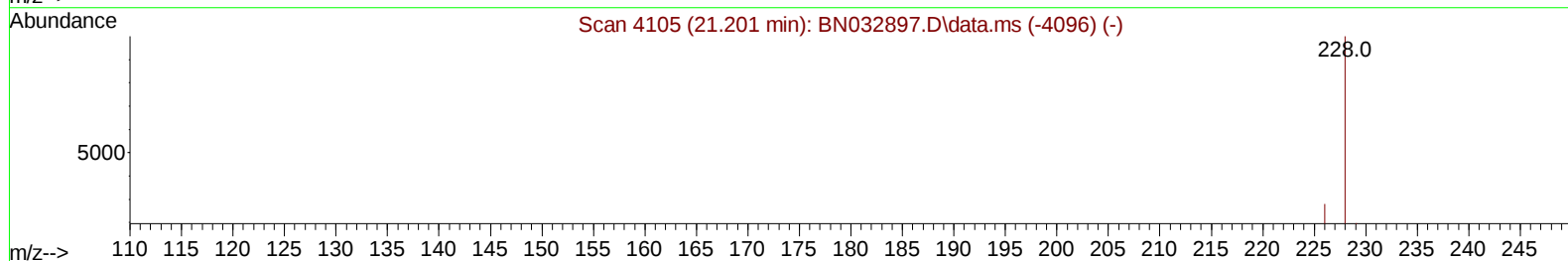
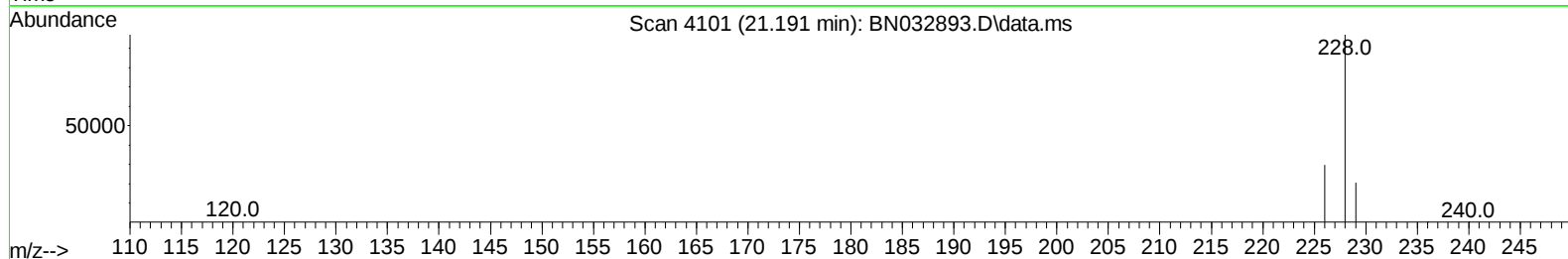
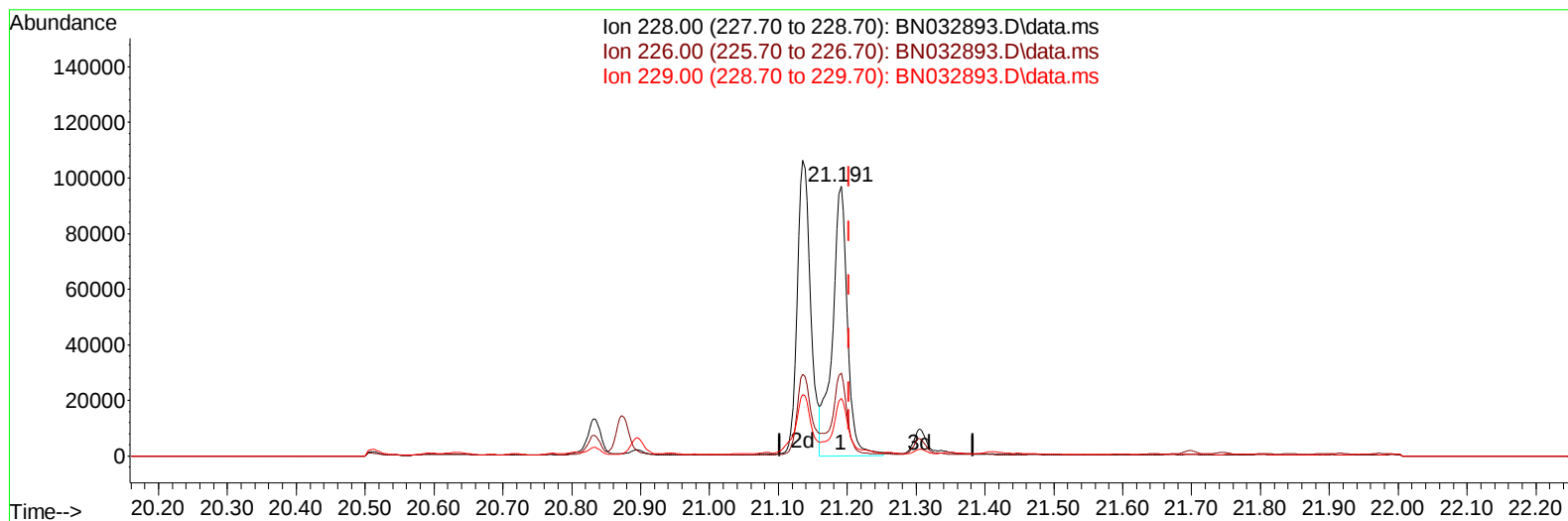
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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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Supervised By :mohammad ahmed 07/23/2024



TIC: BN032893.D\data.ms

(22) Chrysene

21.191min (-0.012) 2.98 ng/u1 m

response 147936

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.00	30.81
229.00	19.70	21.26
0.00	0.00	0.00

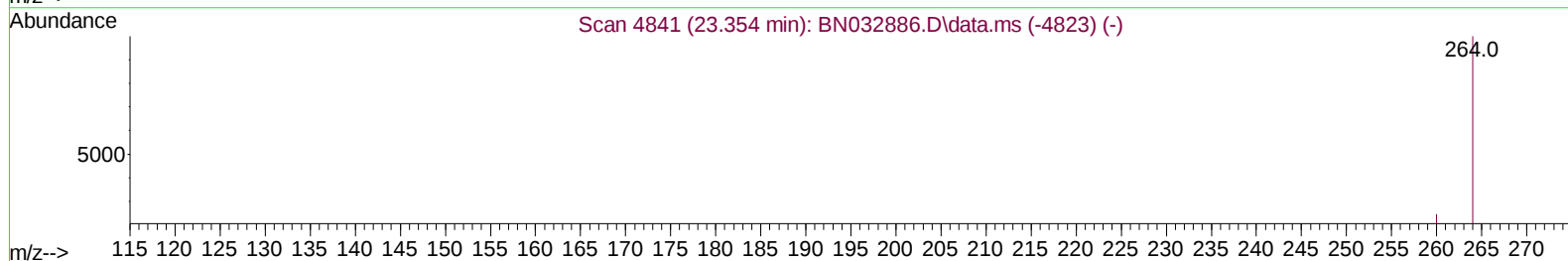
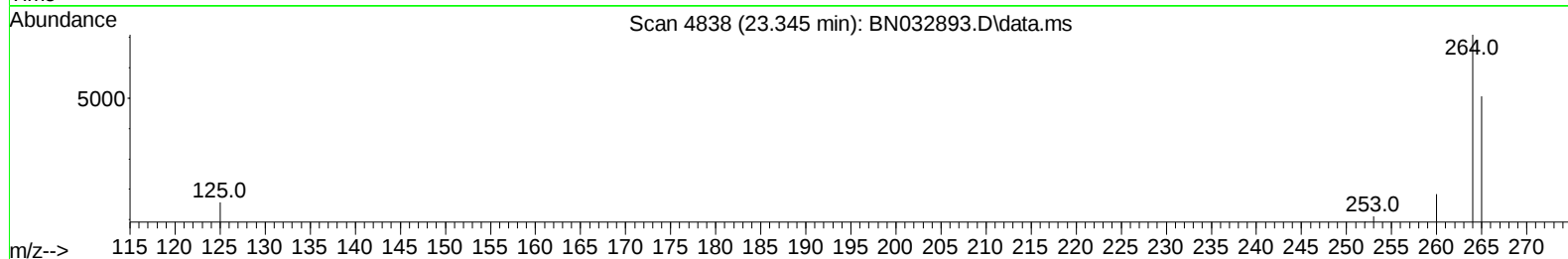
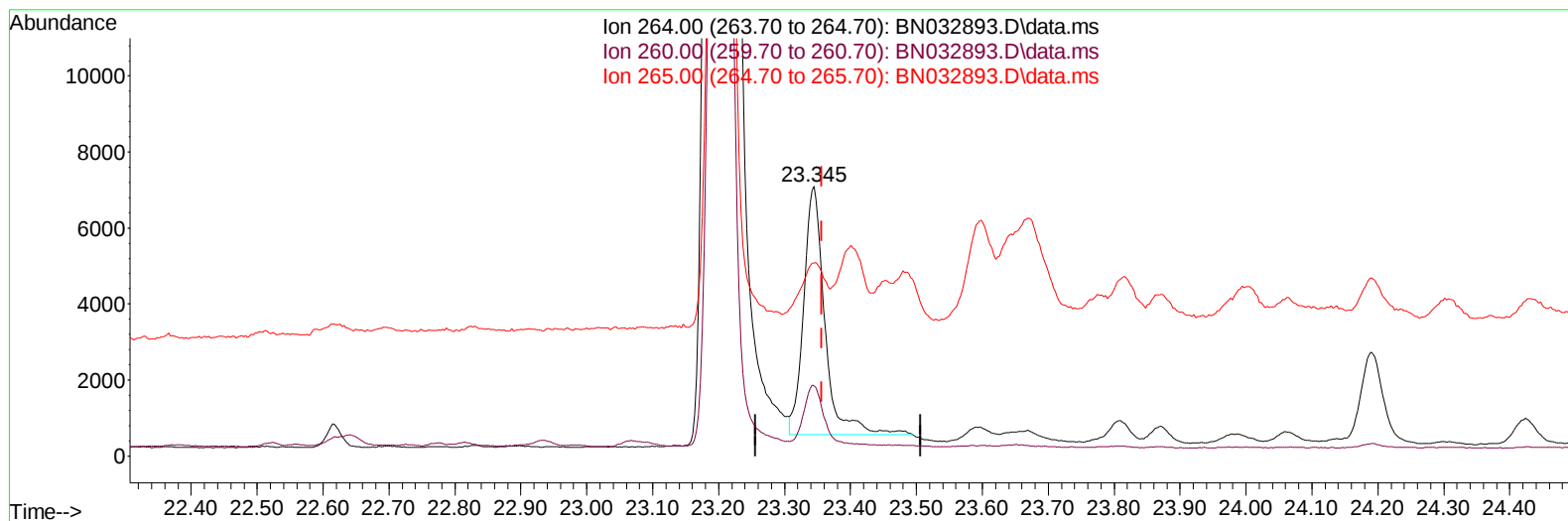
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

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TIC: BN032893.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 14481

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.04
265.00	95.50	71.53#
0.00	0.00	0.00

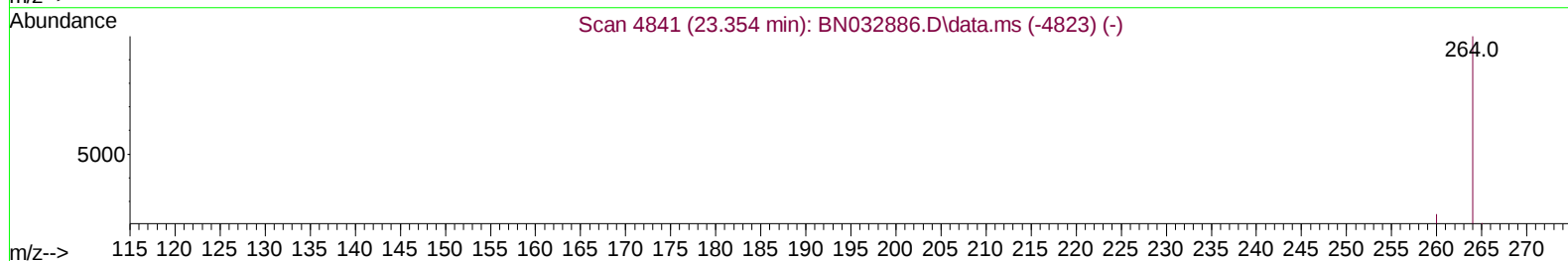
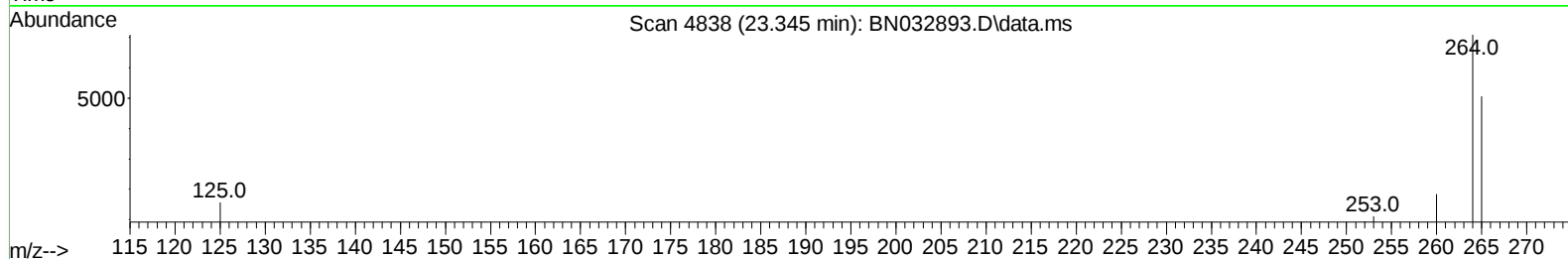
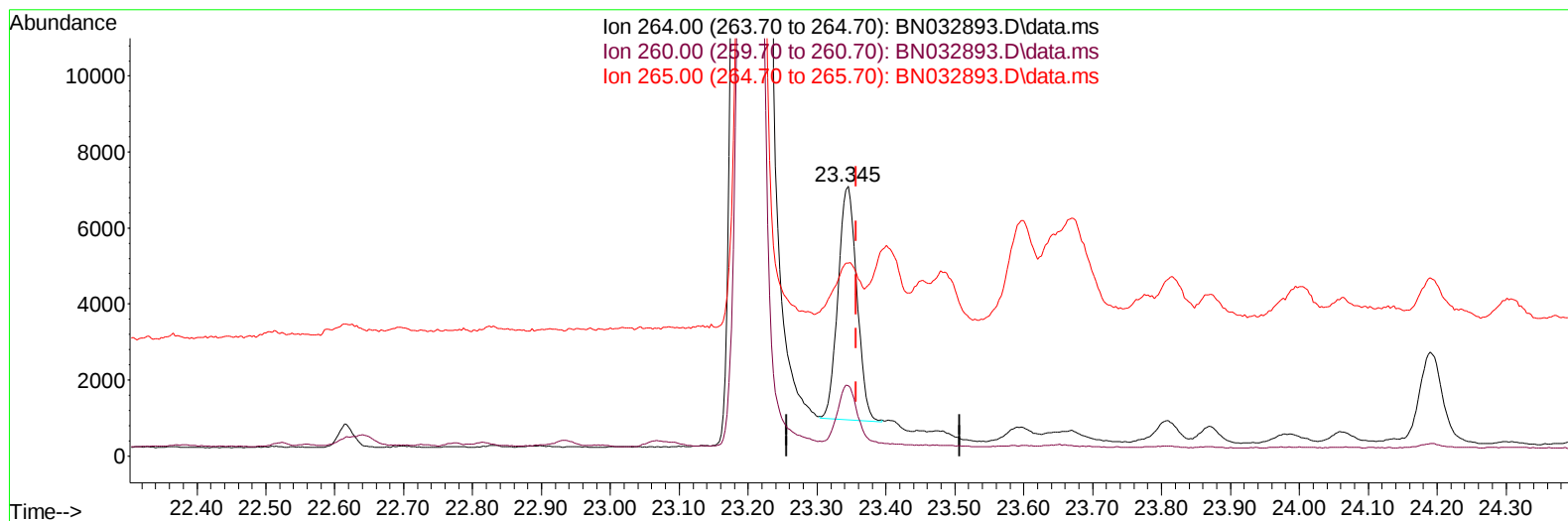
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 2024
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Supervised By :mohammad ahmed 07/23/2024



TIC: BN032893.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 11657

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.04
265.00	95.50	71.53#
0.00	0.00	0.00

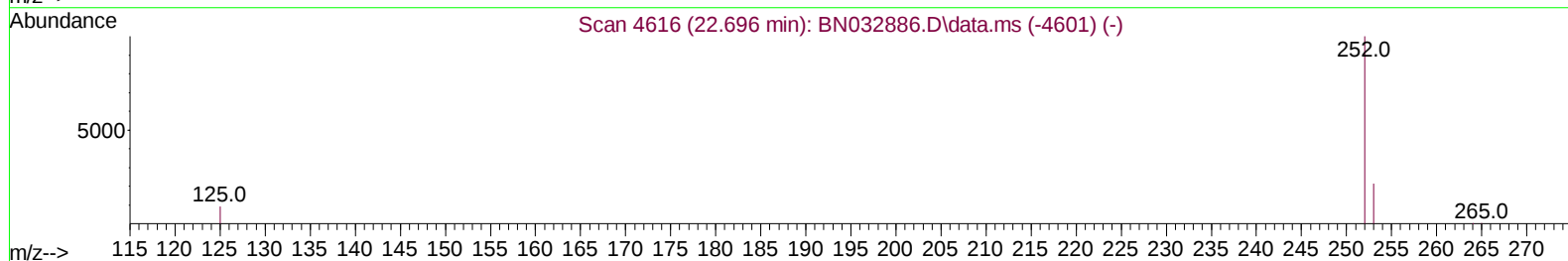
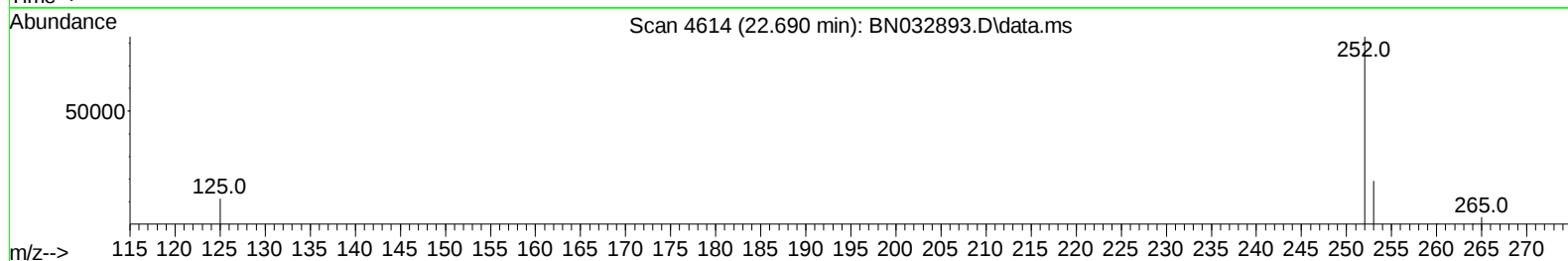
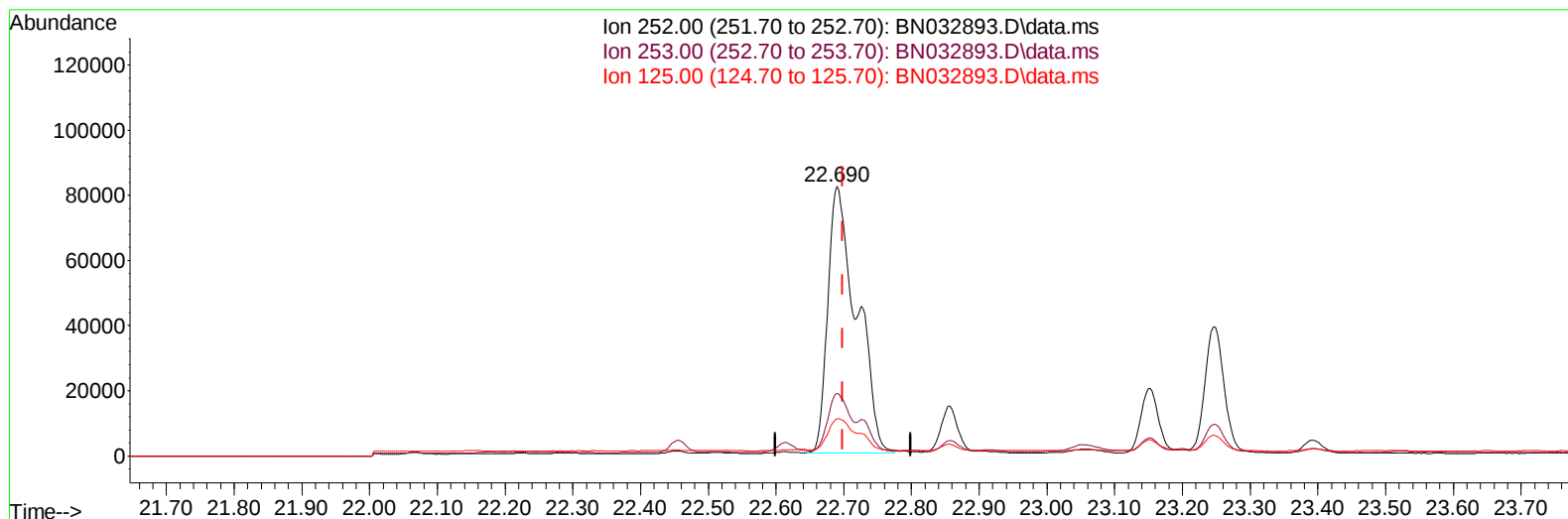
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 2024
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TIC: BN032893.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 5.88 ng/u1

response 241806

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.36
125.00	18.00	13.83
0.00	0.00	0.00

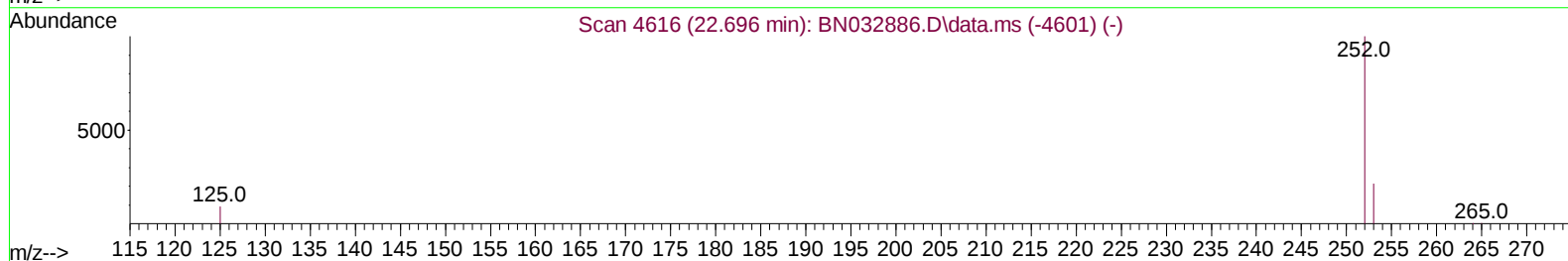
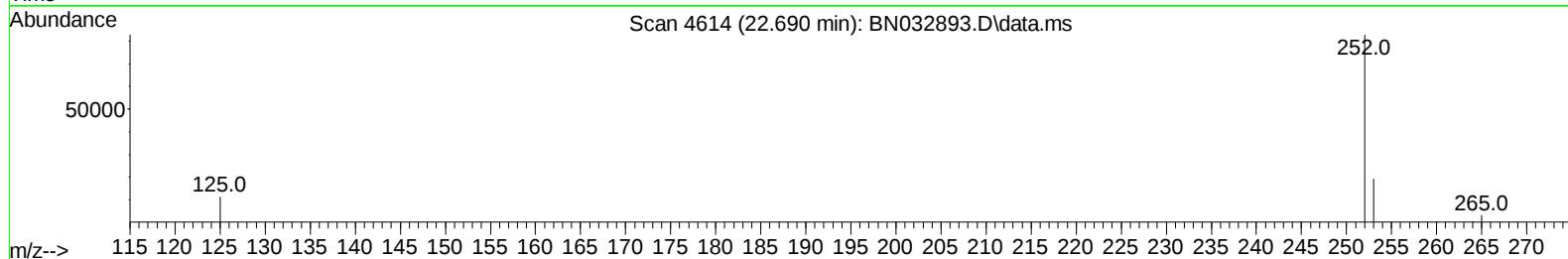
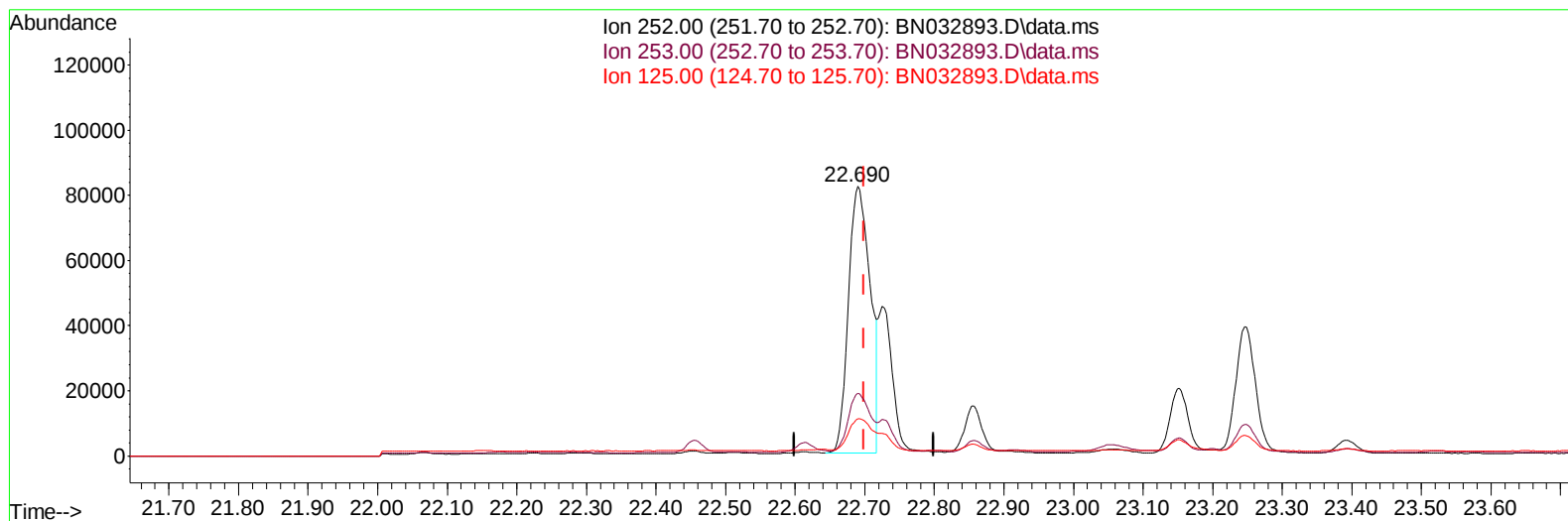
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 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: BN032893.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 4.33 ng/u1 m

response 177916

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.36
125.00	18.00	13.83
0.00	0.00	0.00

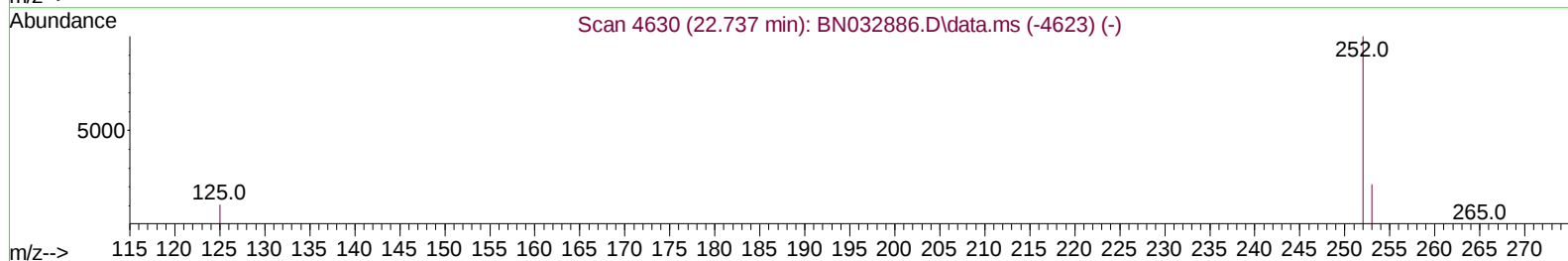
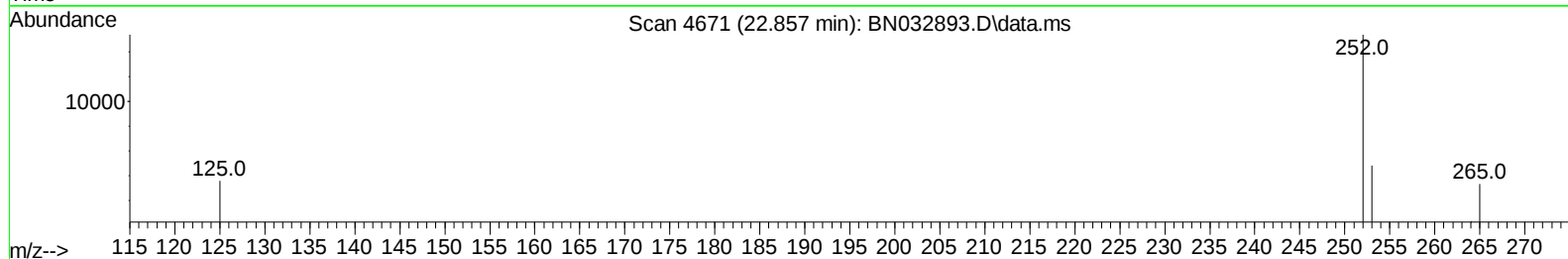
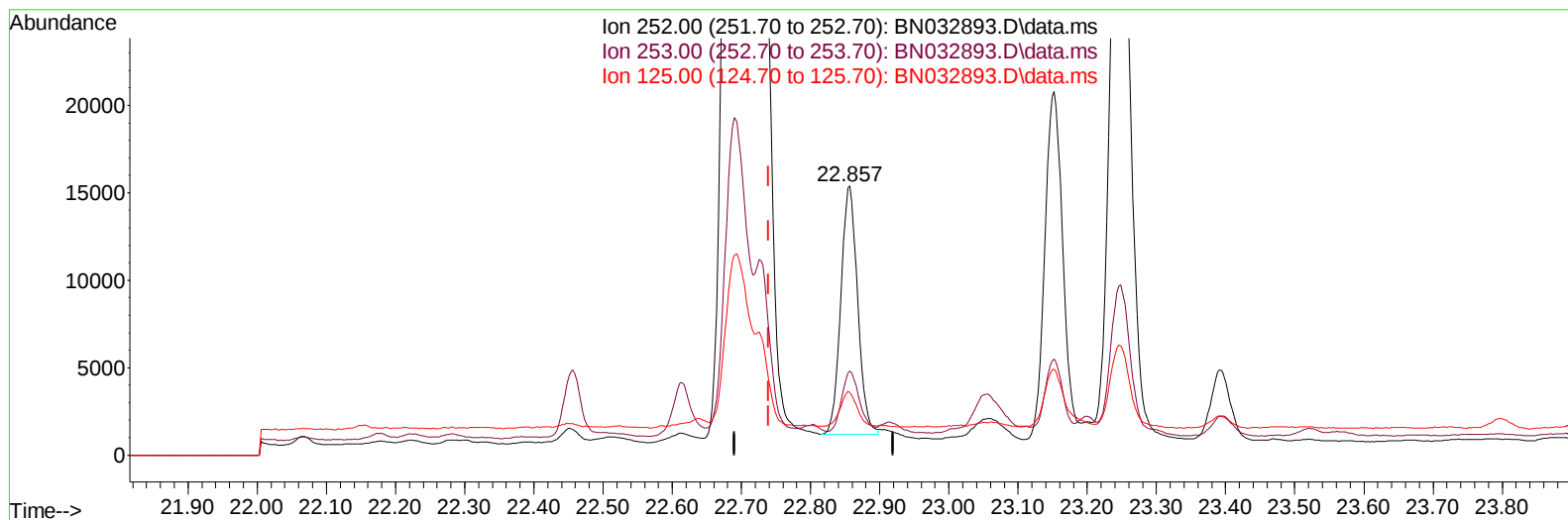
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN032893.D\data.ms

(25) Benzo(k)fluoranthene

22.857min (+ 0.117) 0.48 ng/u1

response 23995

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	31.30
125.00	18.50	23.35#
0.00	0.00	0.00

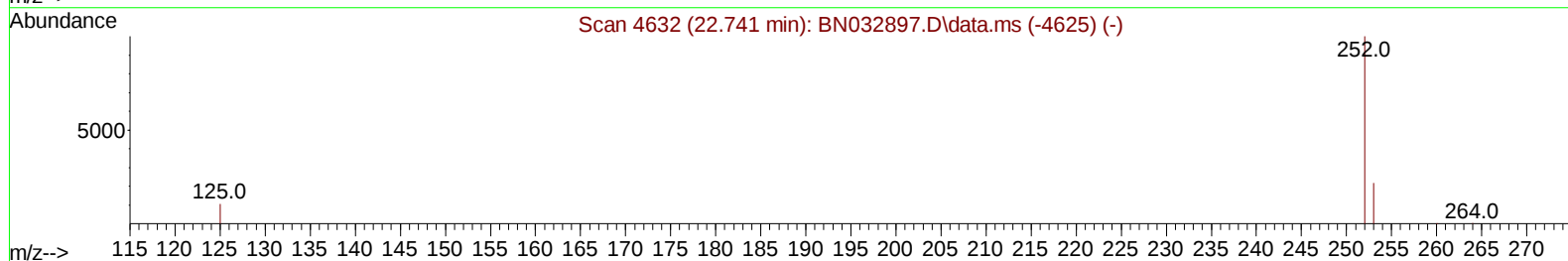
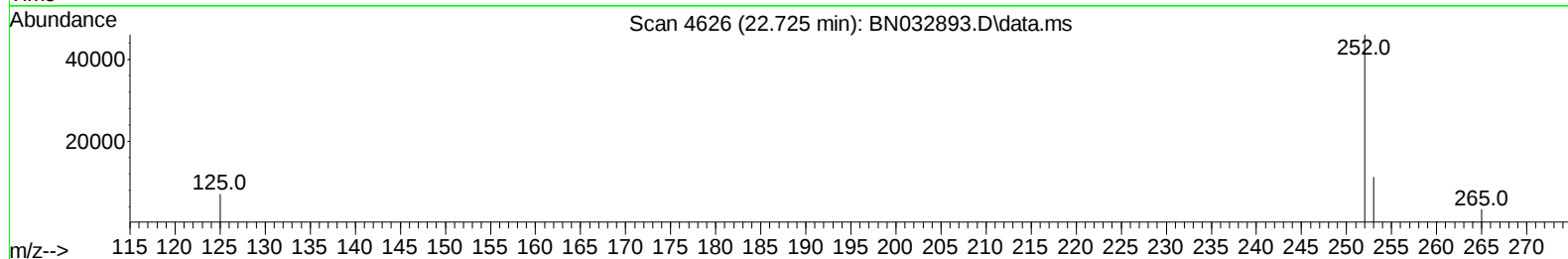
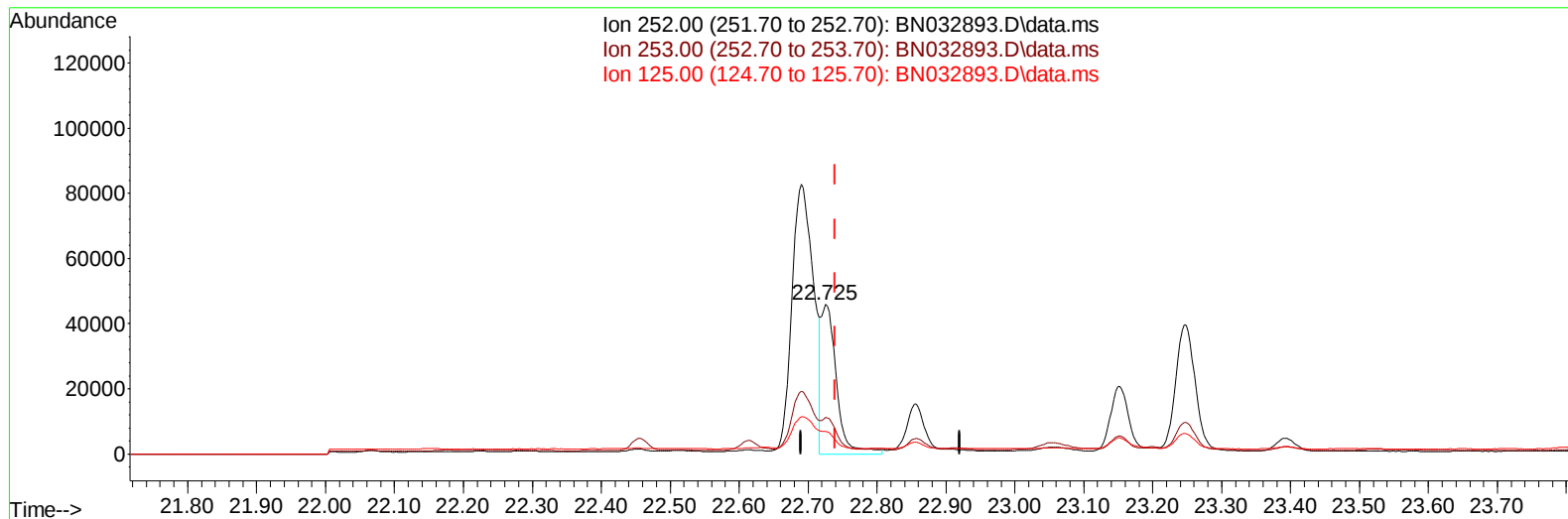
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032893.D
Acq On : 22 Jul 2024 14:58
Operator : MA/JU
Sample : P3215-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CJ6

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:05:55 2024
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TIC: BN032893.D\data.ms

(25) Benzo(k)fluoranthene

22.725min (-0.015) 1.41 ng/ul m

response 70621

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	24.31
125.00	18.50	15.31
0.00	0.00	0.00

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 Acq On : 22 Jul 2024 14:58
 Operator : MA/JU
 Sample : P3215-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CJ6

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/23/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.523	152	4346	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.288	136	13346	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.174	164	6958	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.936	188	13816m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.153	240	10782m	0.400	ng/ul	-0.01
23) Perylene-d12	23.345	264	11657m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	16135	3.092	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.900	152	3812	0.189	ng/ul	-0.03
18) Fluoranthene-d10	18.976	212	6442	0.183	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.338	128	8179	0.228	ng/ul	99
7) 2-Methylnaphthalene	11.977	142	2889	0.129	ng/ul	98
8) 1-Methylnaphthalene	12.197	142	2761	0.119	ng/ul	100
10) Acenaphthylene	13.892	152	11299	0.402	ng/ul	98
11) Acenaphthene	14.235	153	11965	0.515	ng/ul	99
12) Fluorene	15.234	166	12711	0.478	ng/ul	100
15) Phenanthrene	16.974	178	210982m	5.607	ng/ul	
16) Anthracene	17.071	178	45626m	1.484	ng/ul	
19) Fluoranthene	19.008	202	295267	6.736	ng/ul	98
20) Pyrene	19.375	202	251104	5.534	ng/ul	98
21) Benzo(a)anthracene	21.136	228	144872	4.221	ng/ul	99
22) Chrysene	21.191	228	147936m	2.980	ng/ul	
24) Benzo(b)fluoranthene	22.690	252	177916m	4.326	ng/ul	
25) Benzo(k)fluoranthene	22.725	252	70621m	1.409	ng/ul	
26) Benzo(a)pyrene	23.246	252	76889	2.160	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.549	276	68509	1.421	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.546	278	21758	0.582	ng/ul#	92
29) Benzo(g,h,i)perylene	26.226	276	9126	0.227	ng/ul#	80

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

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