

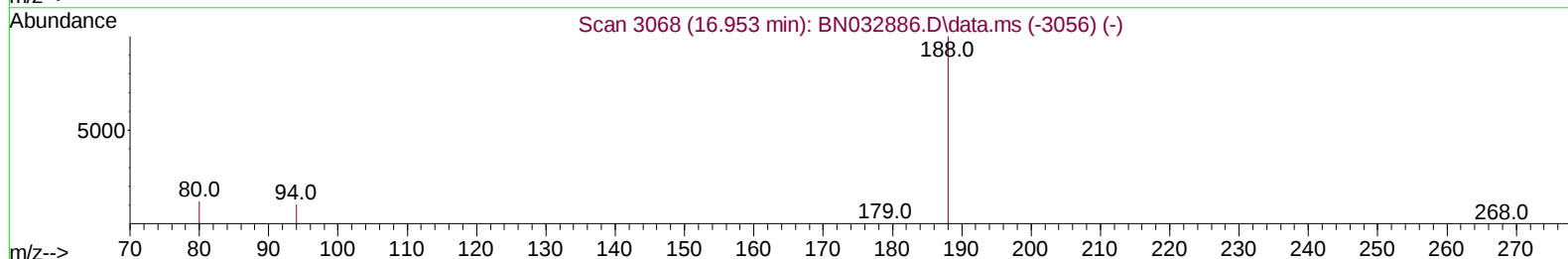
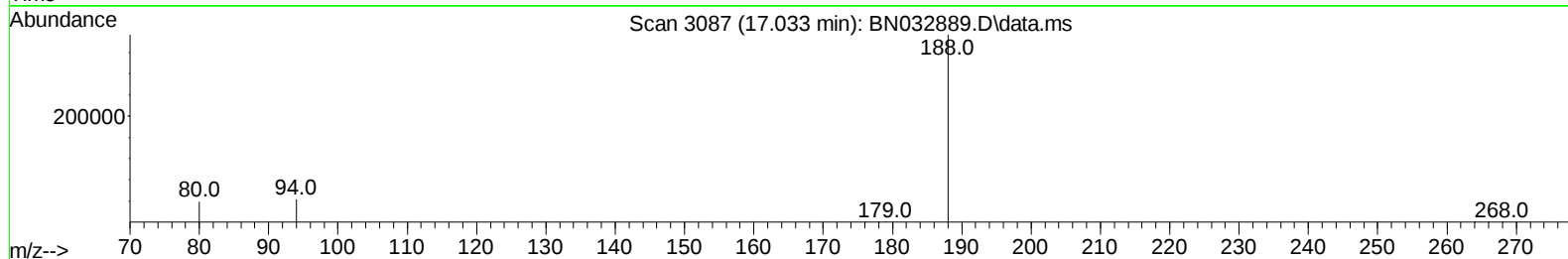
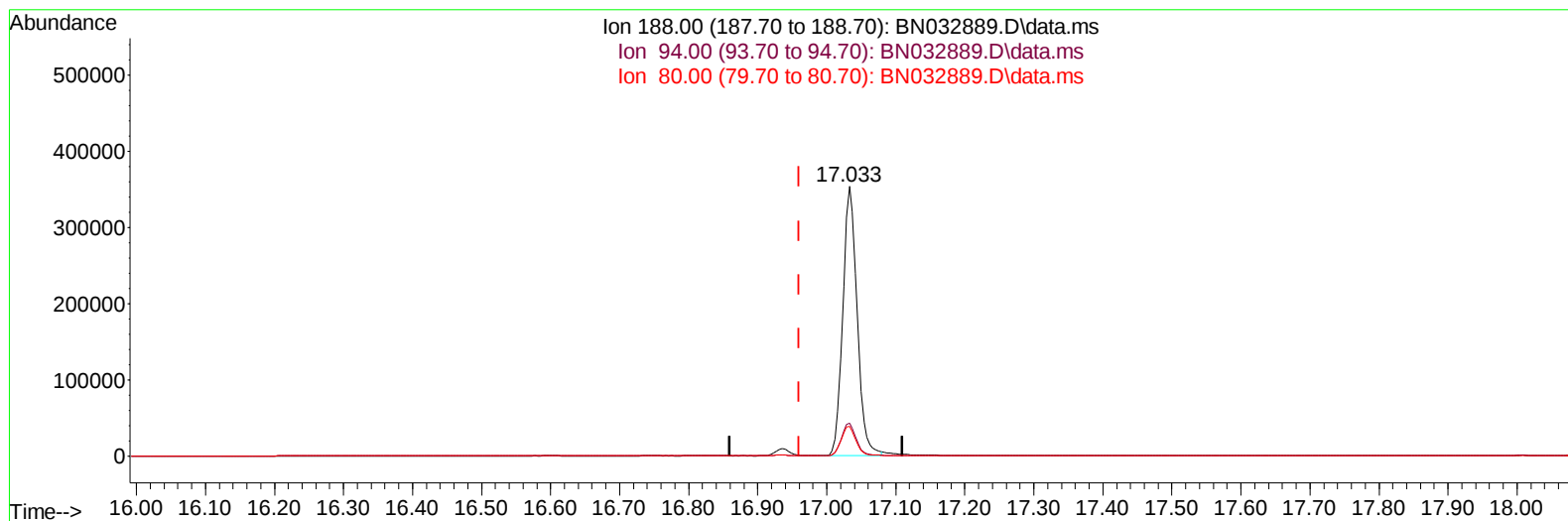
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 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: BN032889.D\data.ms

(13) Phenanthrene-d10 (I)

17.033min (+ 0.073) 0.40 ng/u1

response 510509

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.10
80.00	12.00	10.96
0.00	0.00	0.00

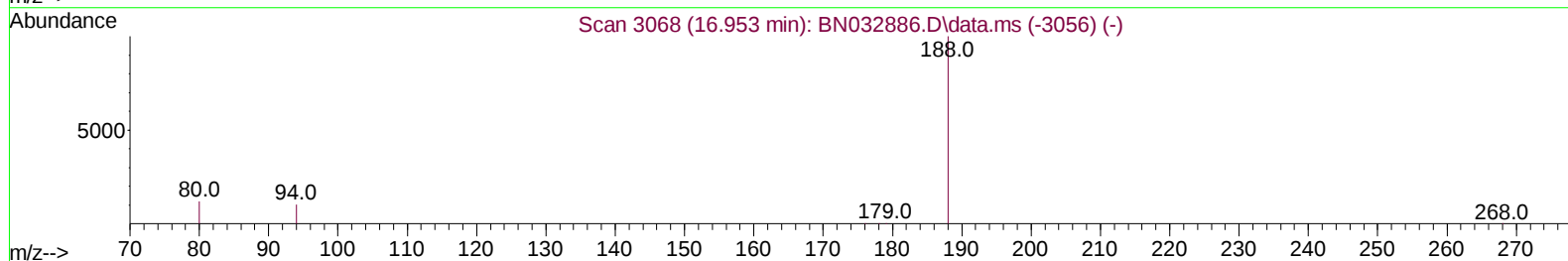
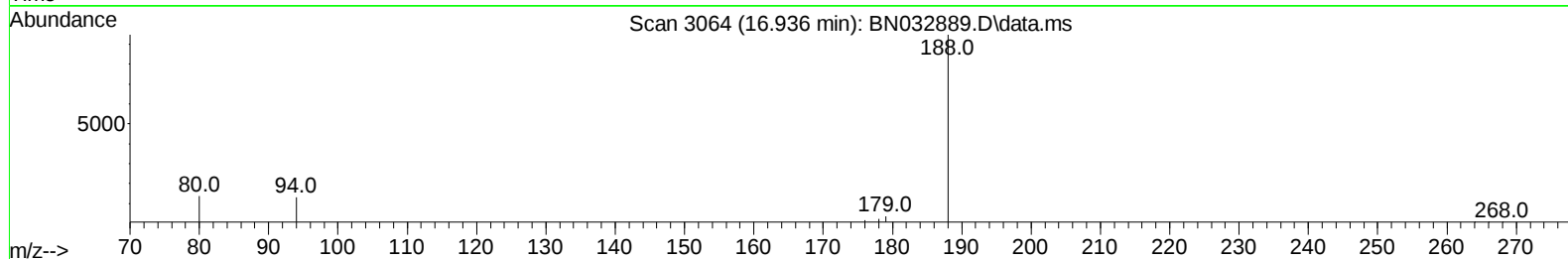
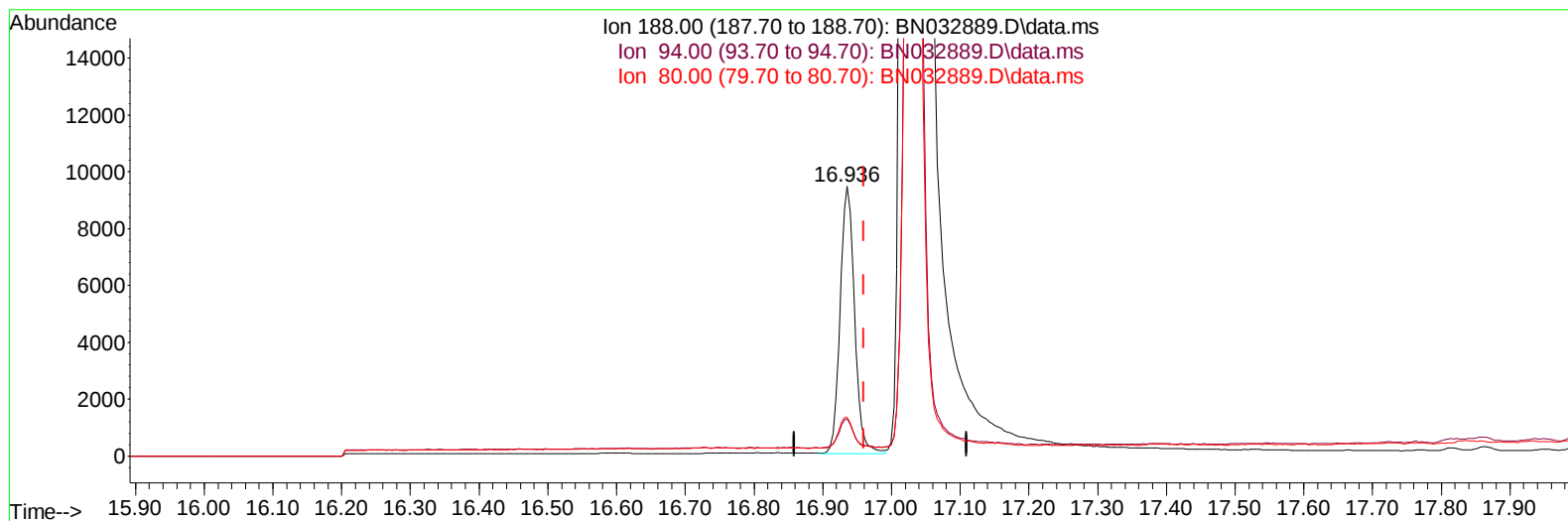
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 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: BN032889.D\data.ms

(13) Phenanthrene-d10 (I)

16.936min (-0.024) 0.40 ng/ul m

response 13695

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	13.79#
80.00	12.00	14.35
0.00	0.00	0.00

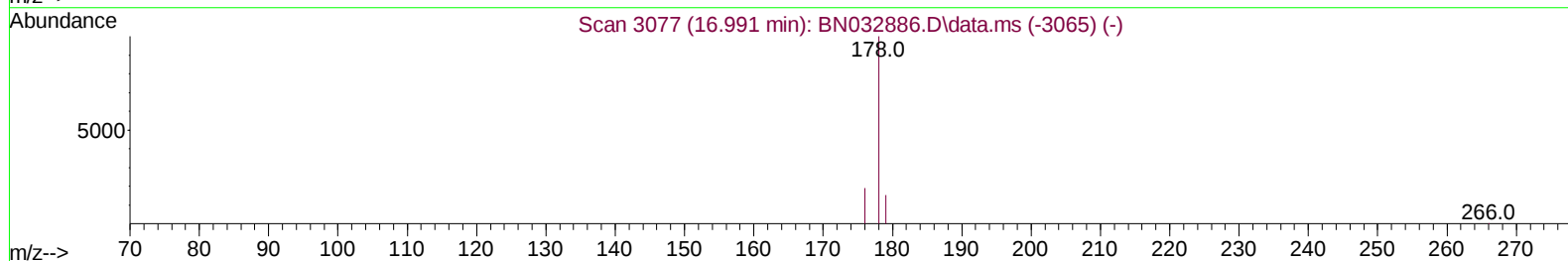
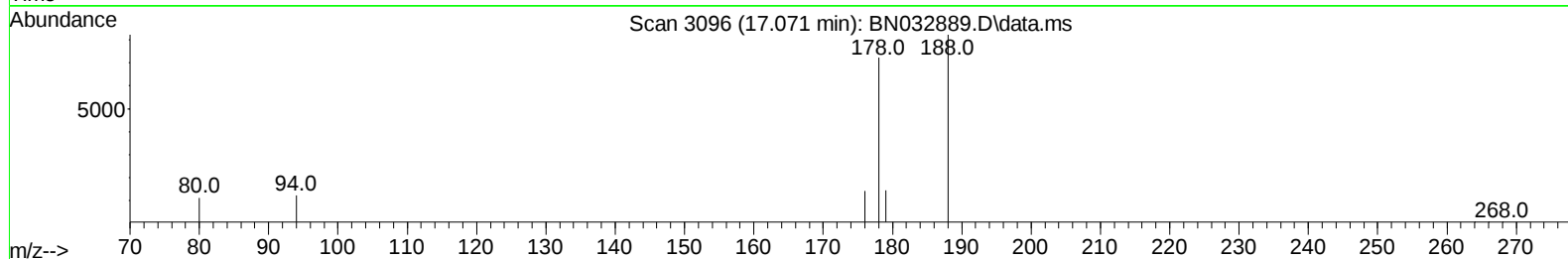
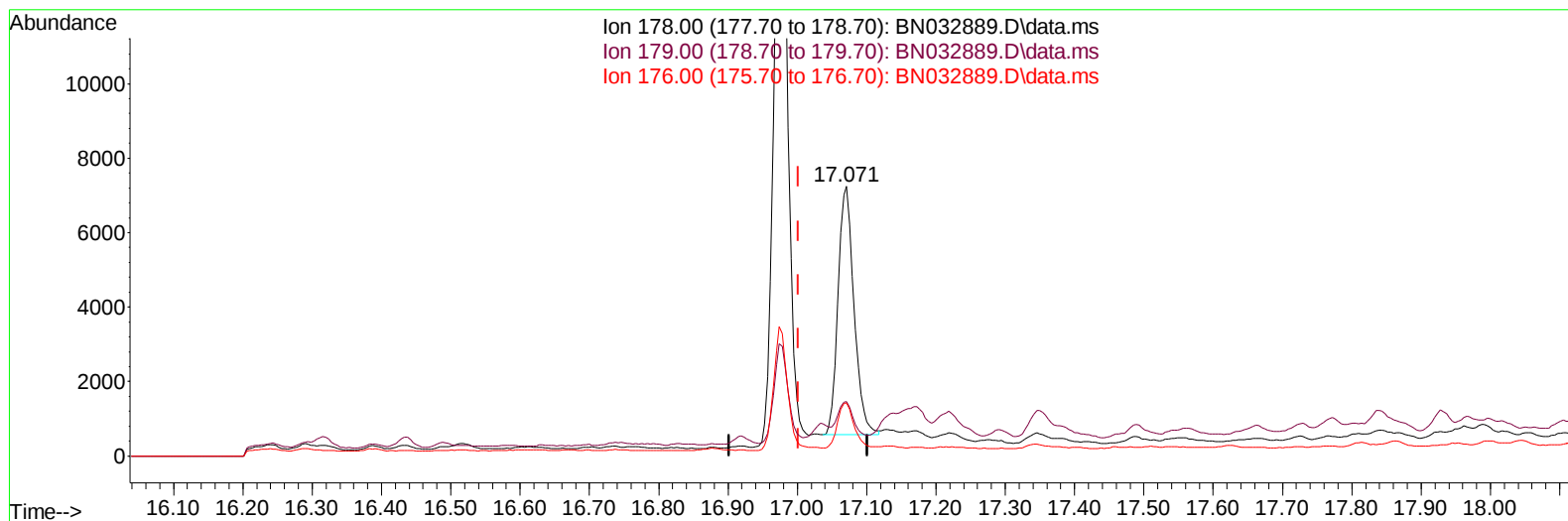
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
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TIC: BN032889.D\data.ms

(15) Phenanthrene

17.071min (+ 0.069) 0.29 ng/u1

response 10638

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	20.18#
176.00	19.50	19.73
0.00	0.00	0.00

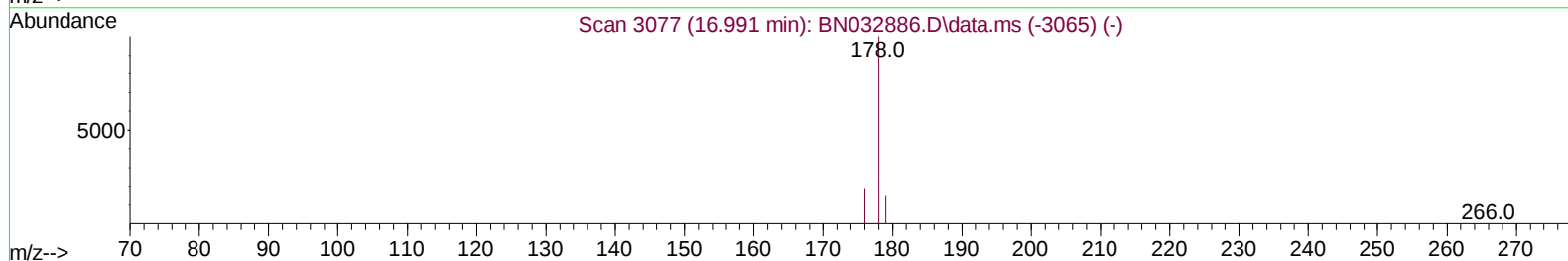
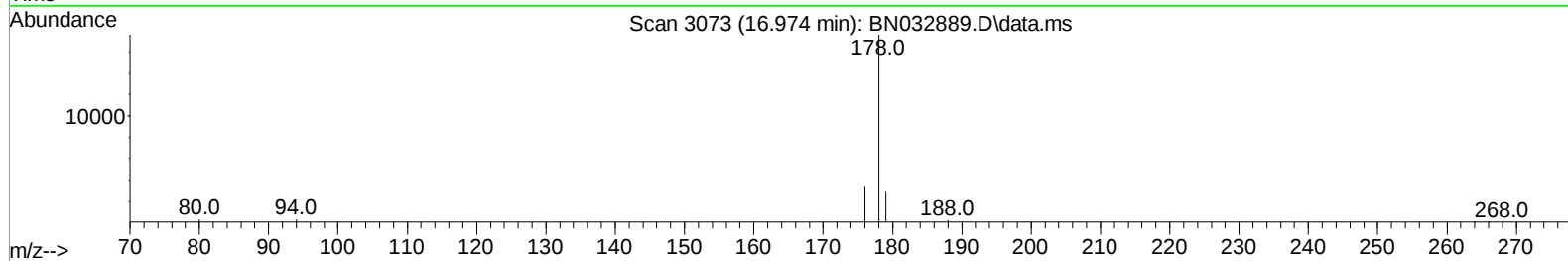
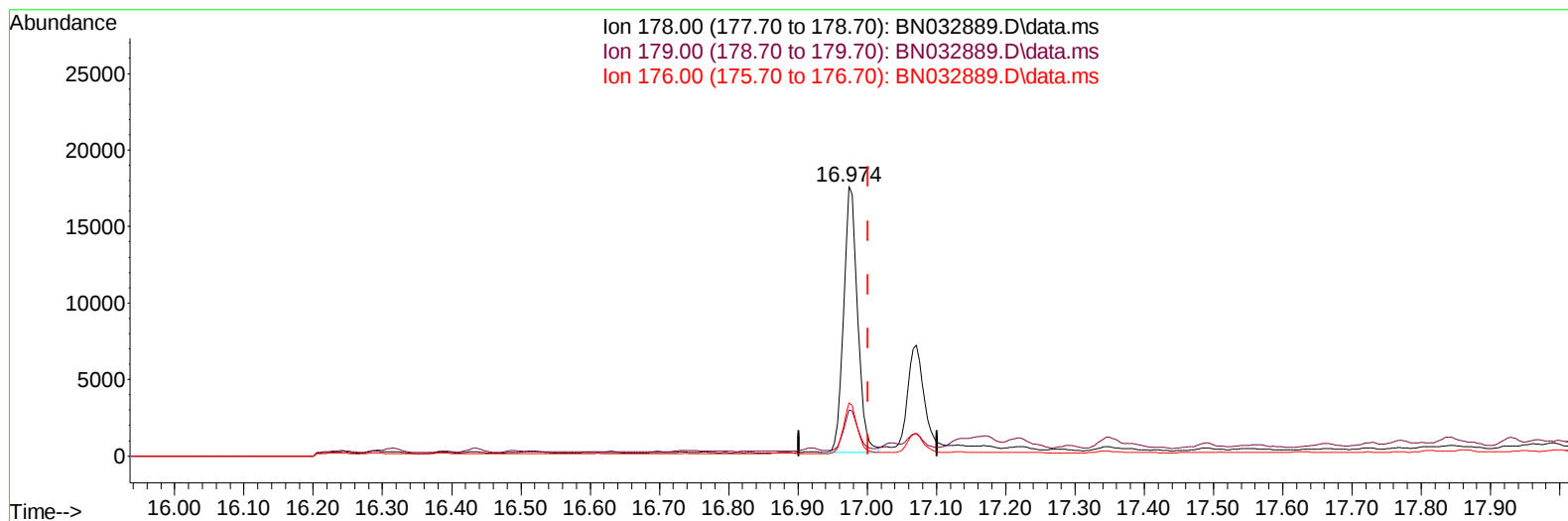
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
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Response via : Initial Calibration



TIC: BN032889.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 0.66 ng/u1 m

response 24484

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.09
176.00	19.50	19.74
0.00	0.00	0.00

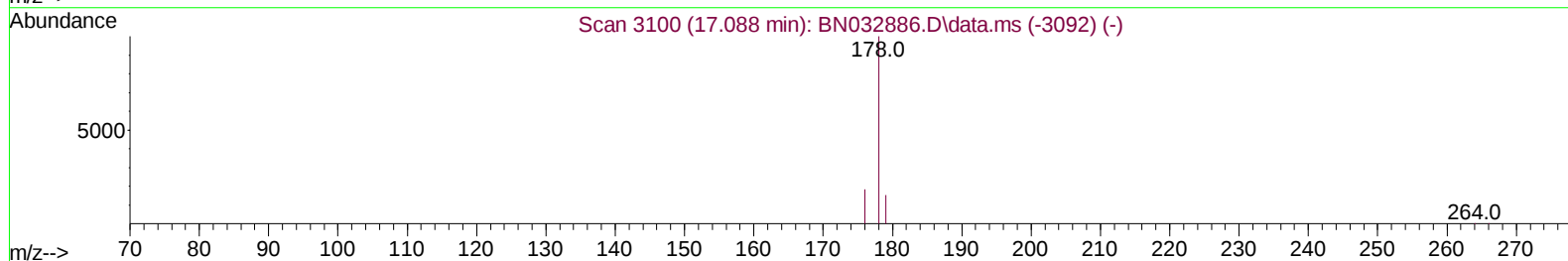
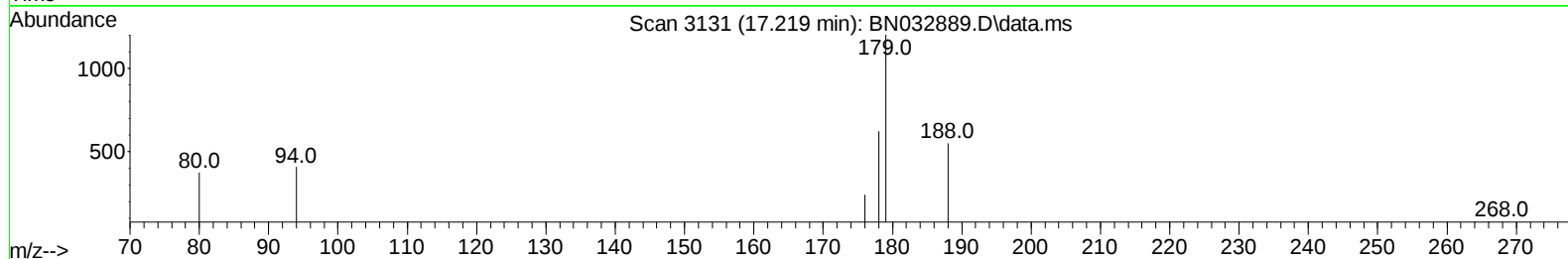
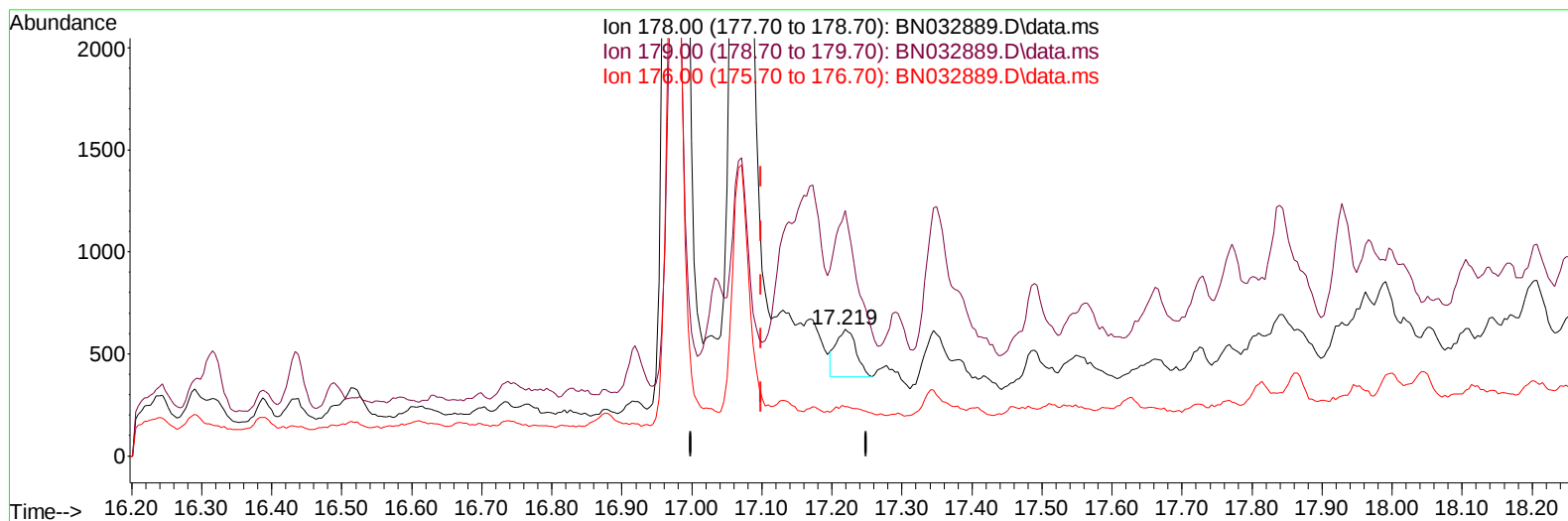
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 2024
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TIC: BN032889.D\data.ms

(16) Anthracene

17.219min (+ 0.120) 0.02 ng/u1

response 461

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	193.56#
176.00	19.20	38.65#
0.00	0.00	0.00

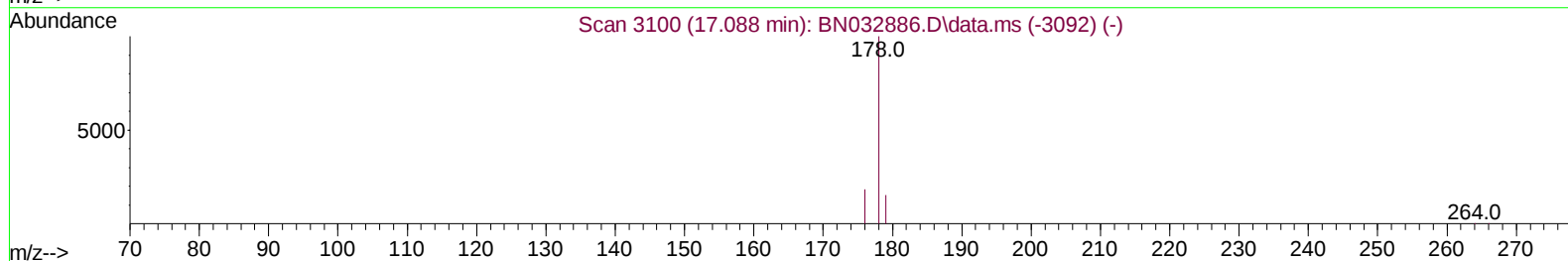
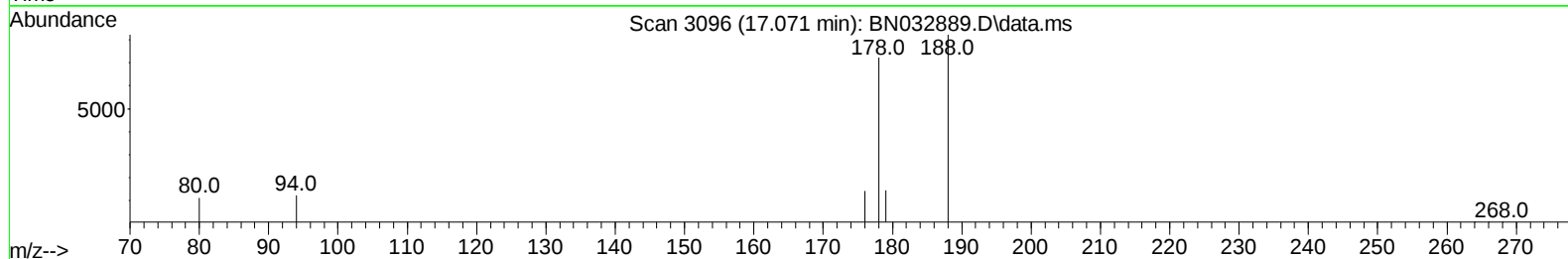
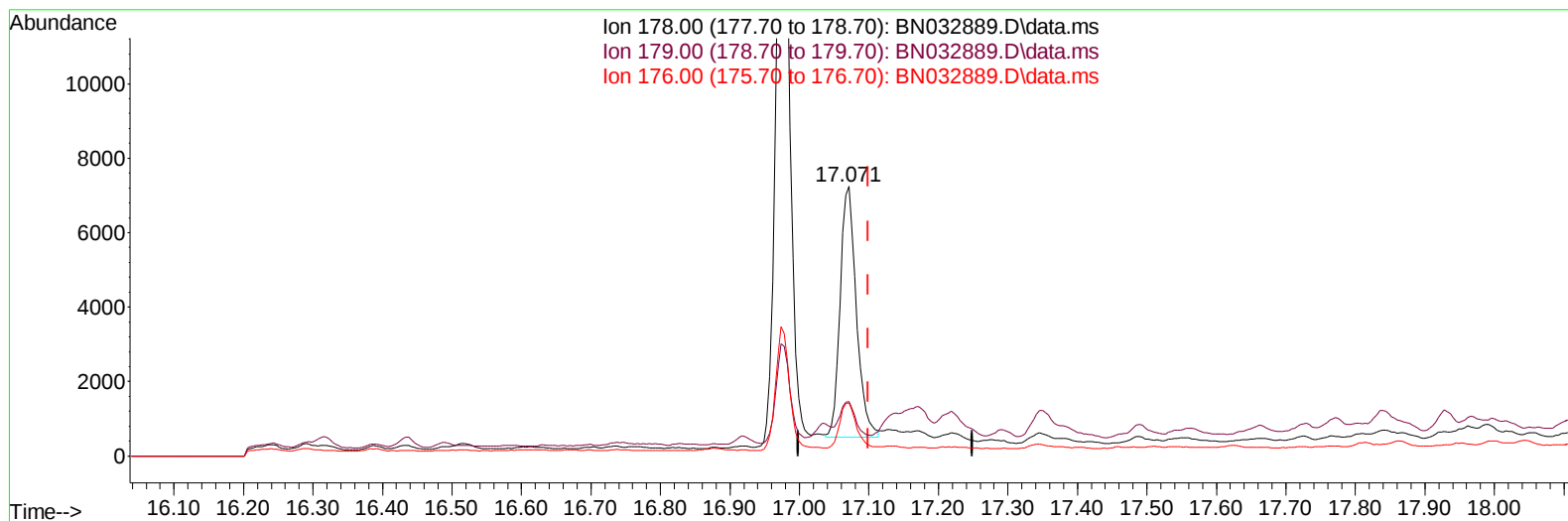
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 2024
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TIC: BN032889.D\data.ms

(16) Anthracene

17.071min (-0.028) 0.36 ng/ul m

response 10945

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	20.18#
176.00	19.20	19.73
0.00	0.00	0.00

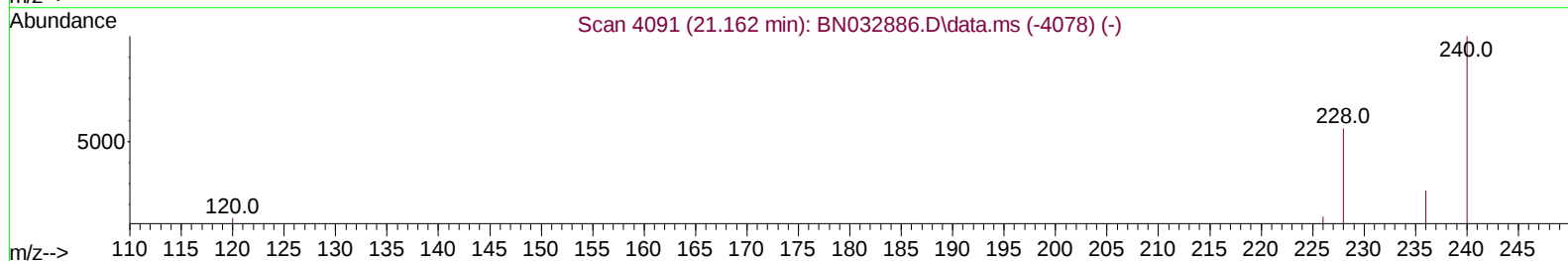
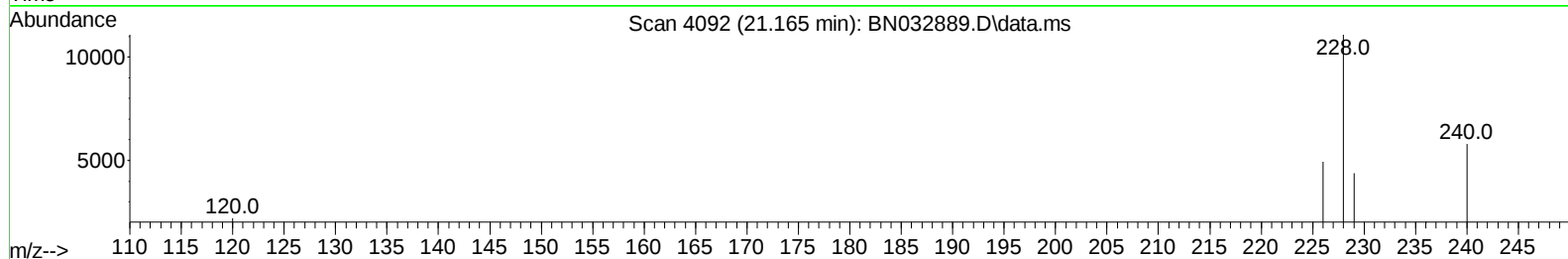
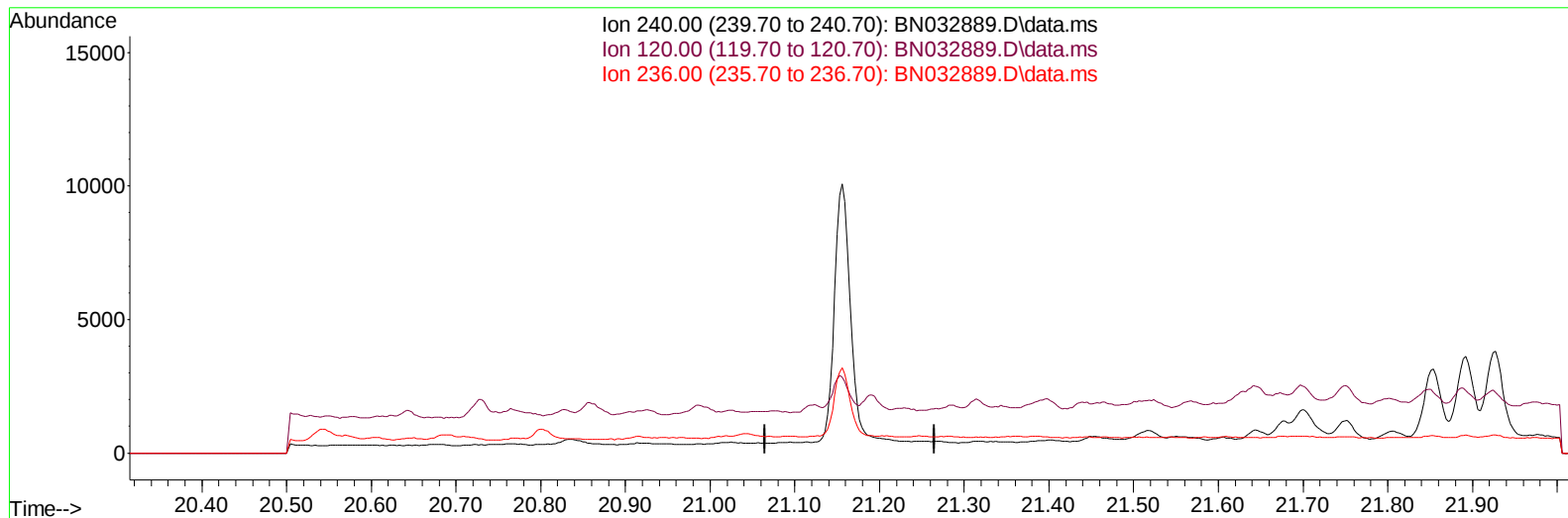
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

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TIC: BN032889.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

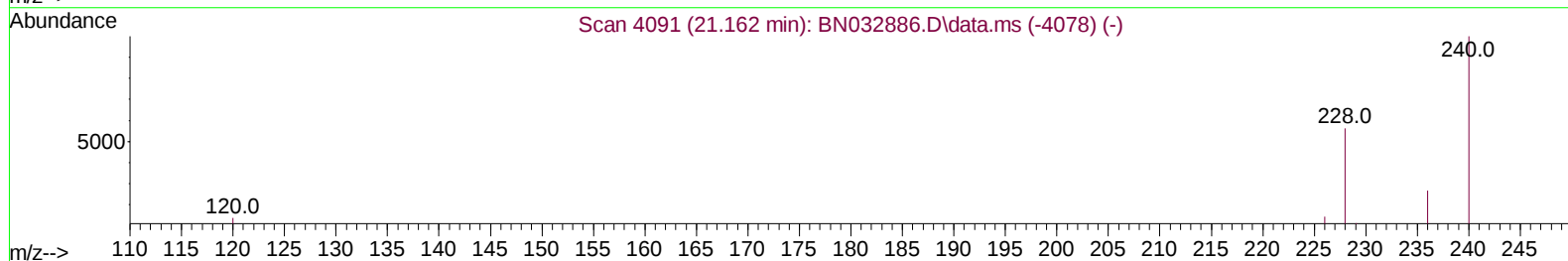
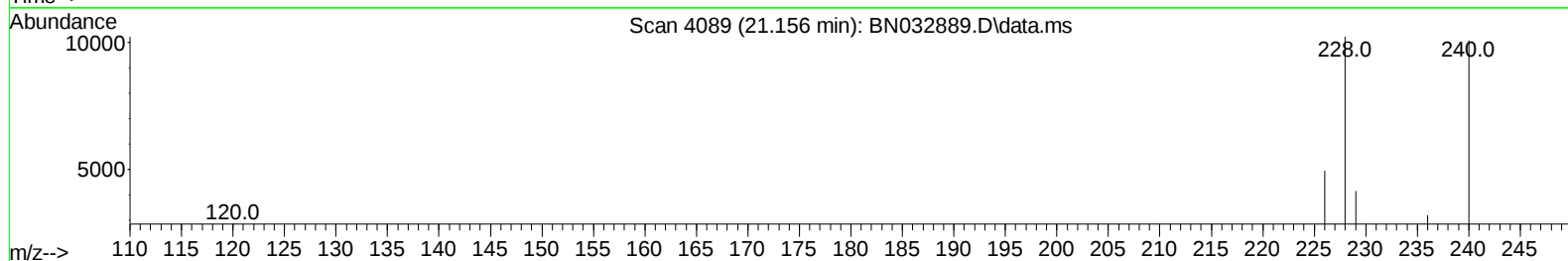
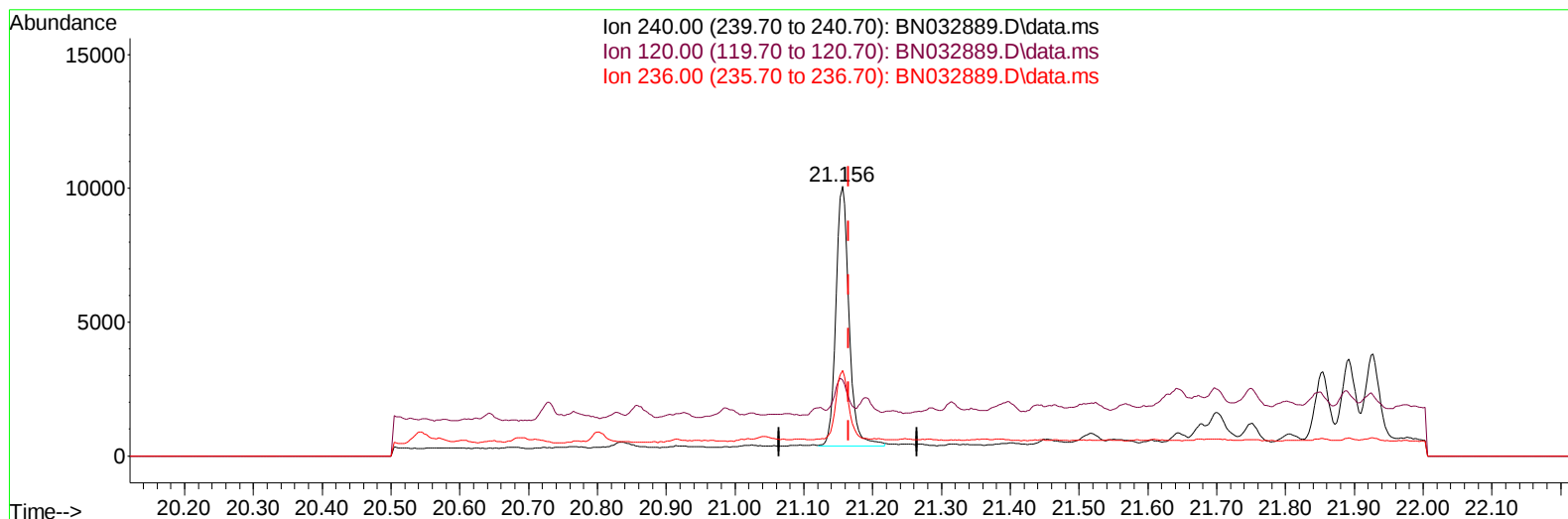
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 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
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TIC: BN032889.D\data.ms

(17) Chrysene-d12

21.156min (-0.009) 0.40 ng/u1 m

response 12868

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	28.27#
236.00	28.40	31.70
0.00	0.00	0.00

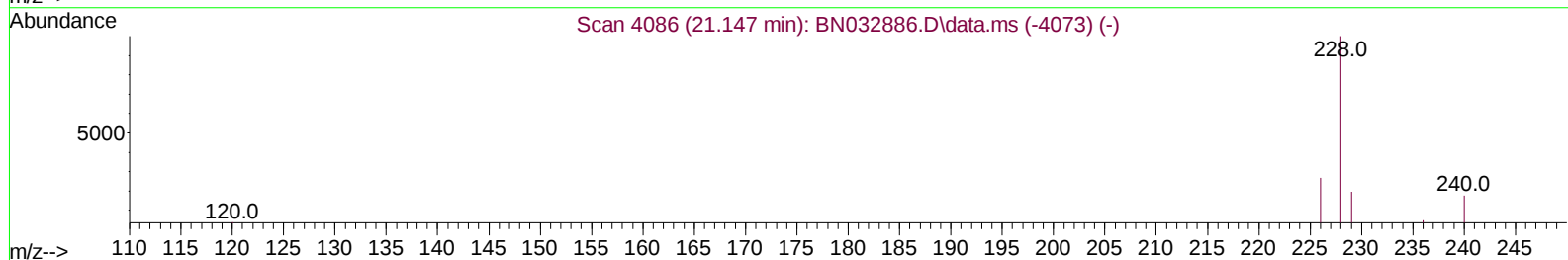
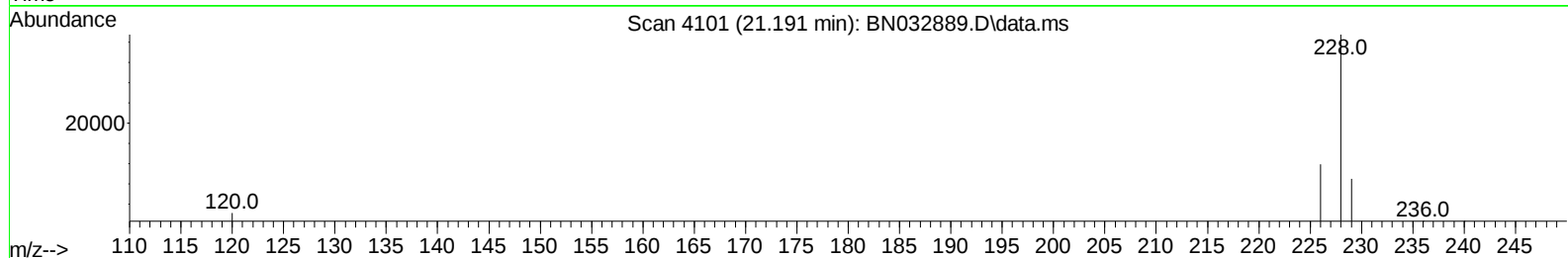
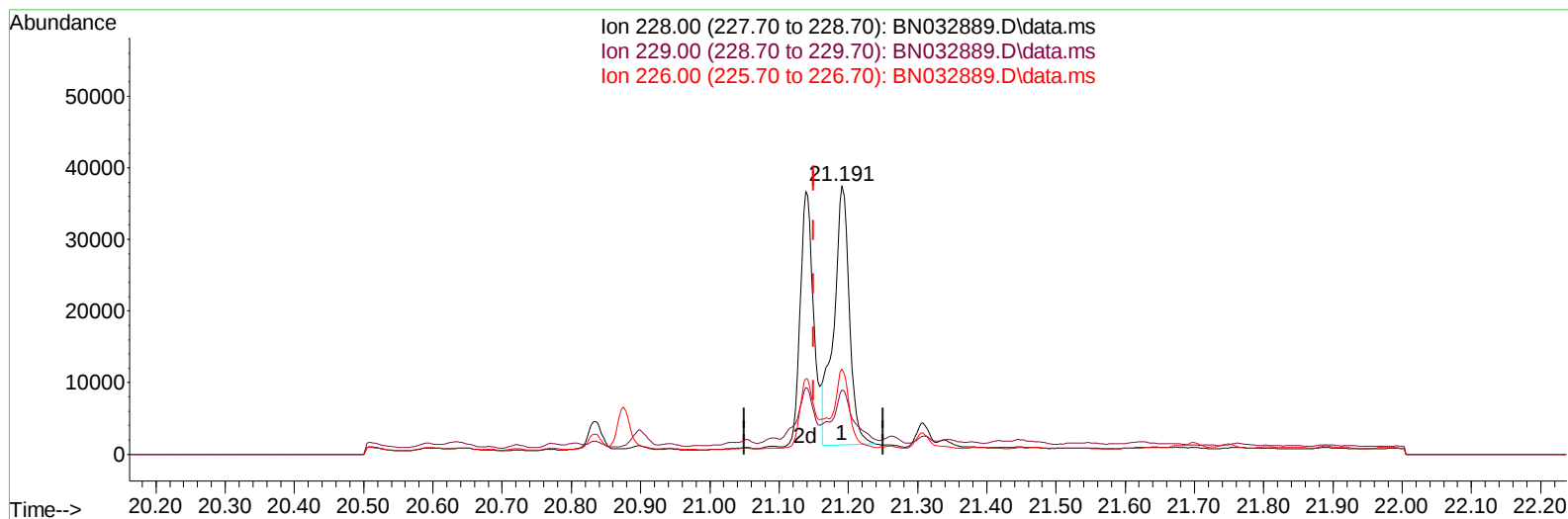
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

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

Quant Time: Jul 22 13:05:20 2024
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TIC: BN032889.D\data.ms

(21) Benzo(a)anthracene

21.191min (+ 0.041) 1.39 ng/u1

response 57044

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	23.85
226.00	27.40	31.72
0.00	0.00	0.00

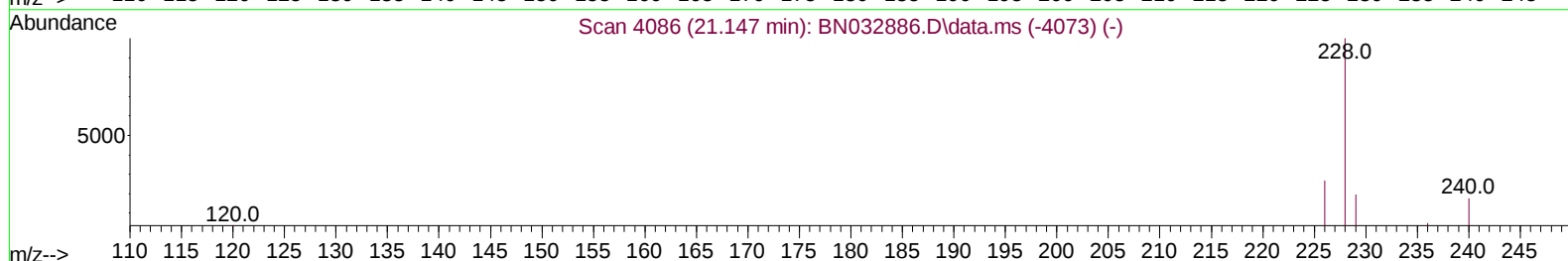
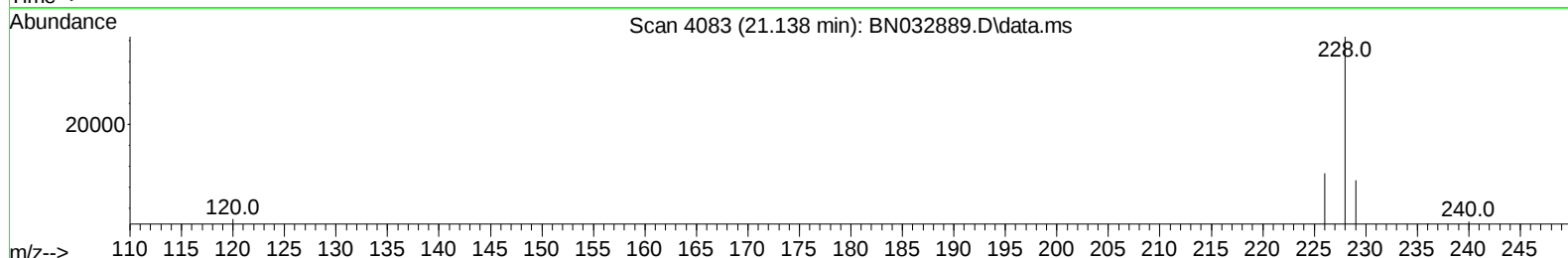
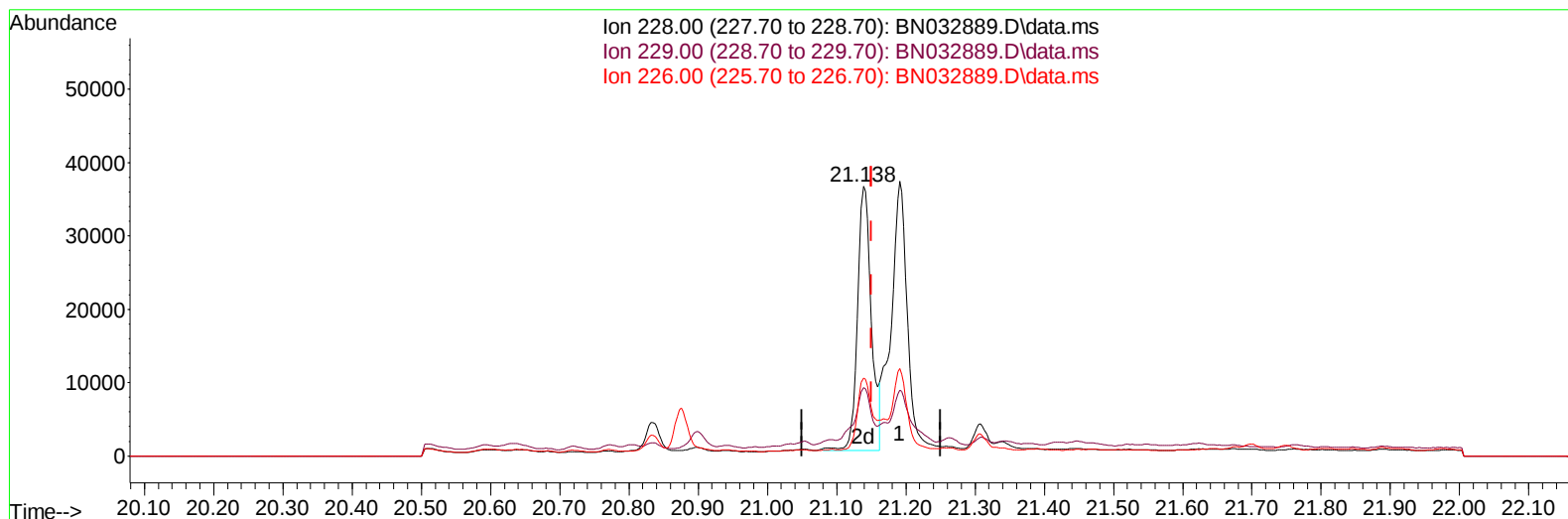
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032889.D\data.ms

(21) Benzo(a)anthracene

21.138min (-0.012) 1.23 ng/u1 m

response 50221

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	25.36#
226.00	27.40	28.79
0.00	0.00	0.00

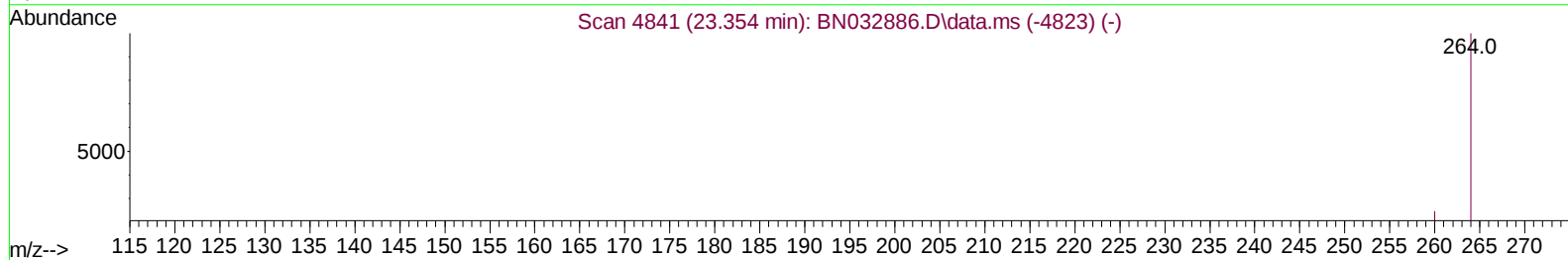
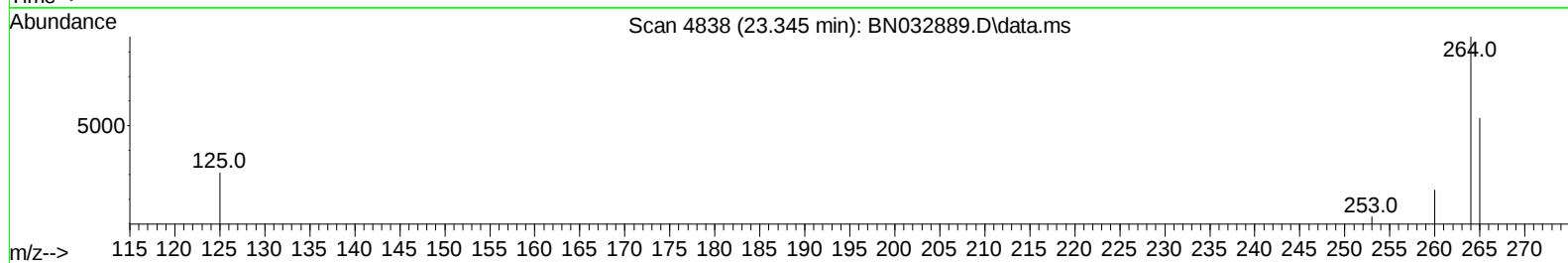
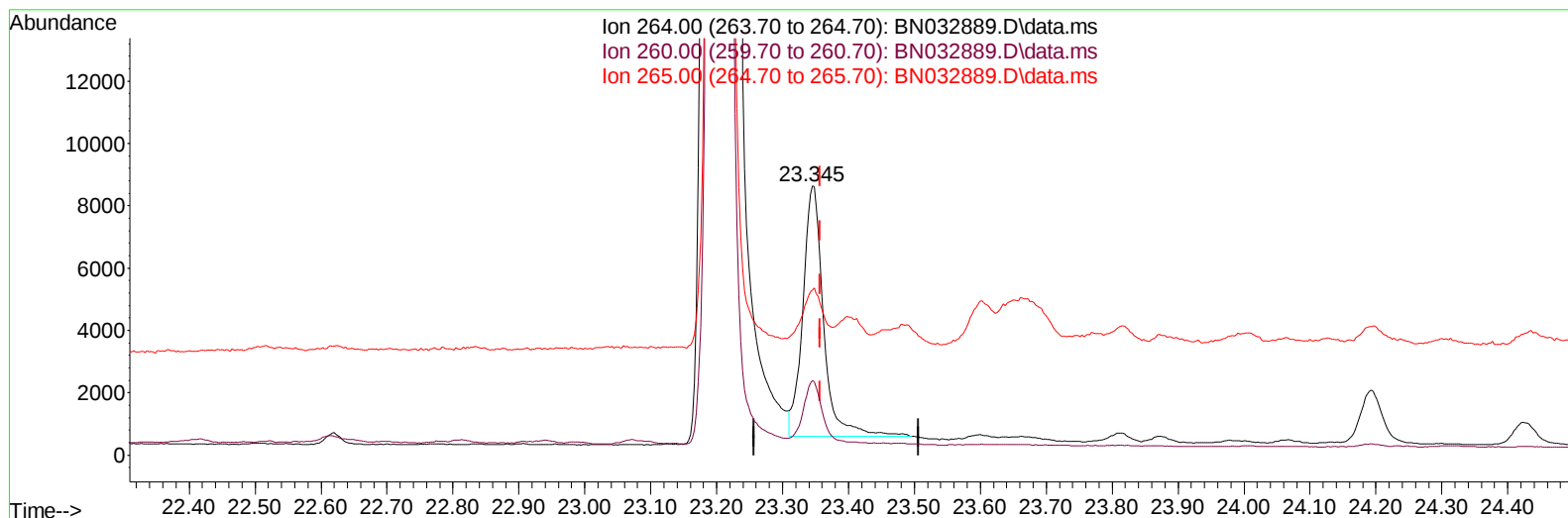
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

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TIC: BN032889.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 17529

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	27.68
265.00	95.50	61.45#
0.00	0.00	0.00

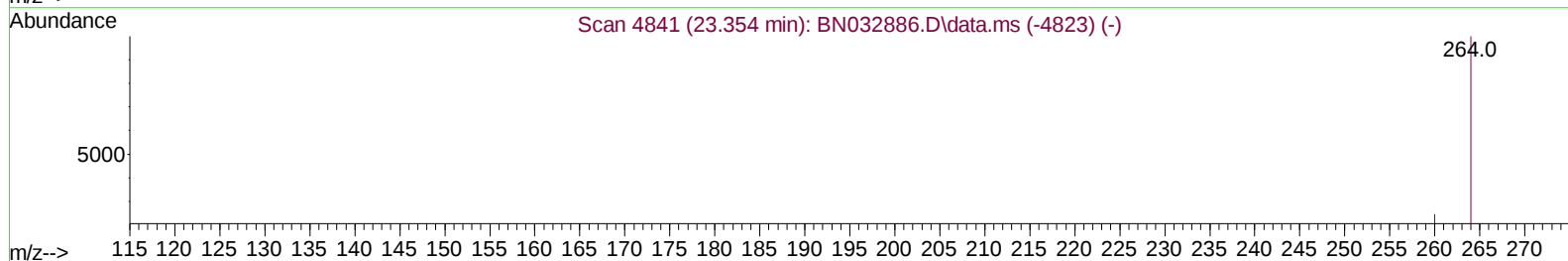
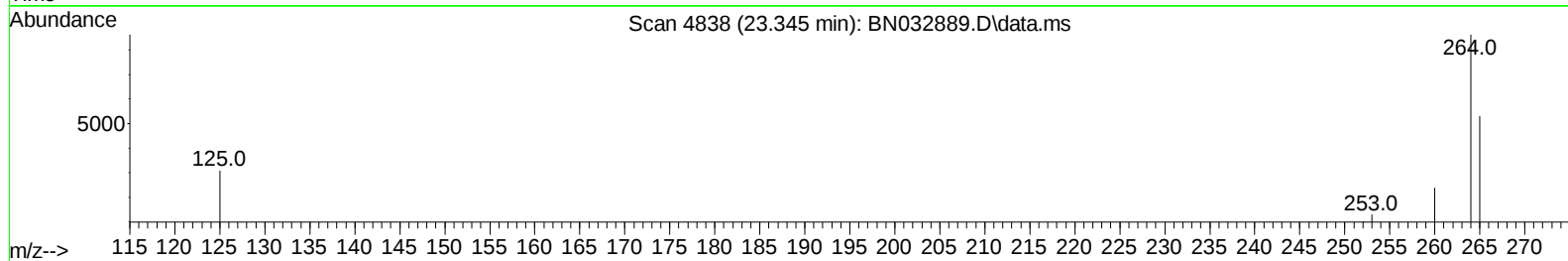
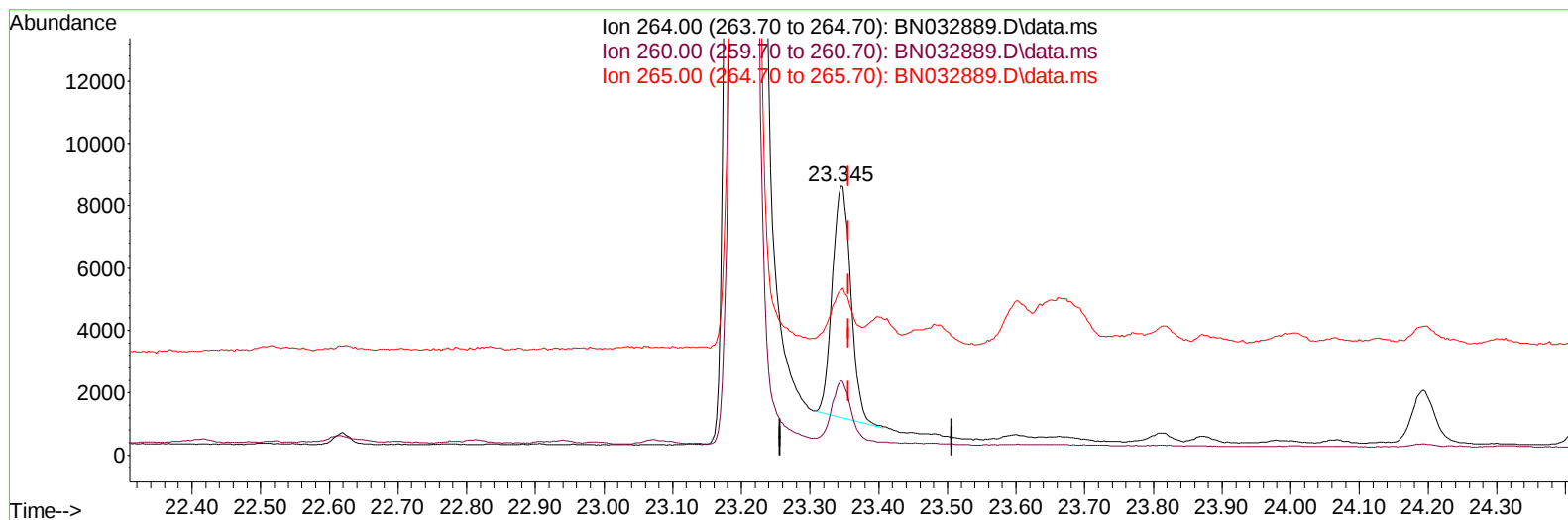
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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TIC: BN032889.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 13931

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	27.68
265.00	95.50	61.45#
0.00	0.00	0.00

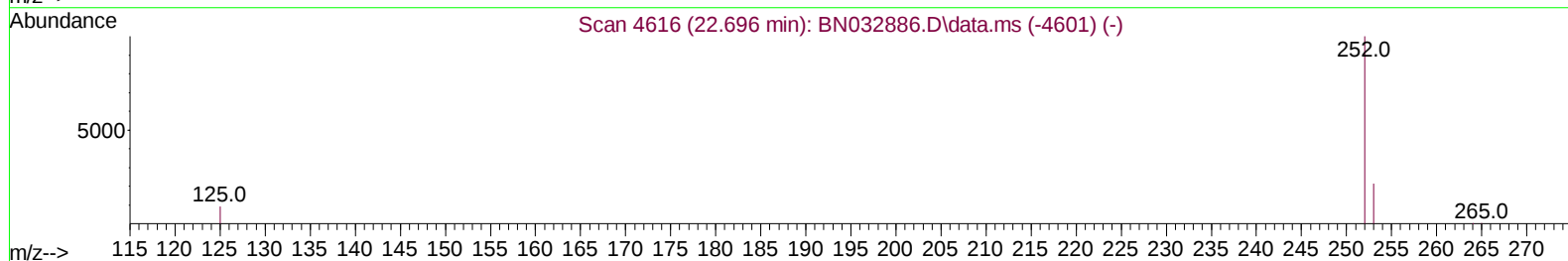
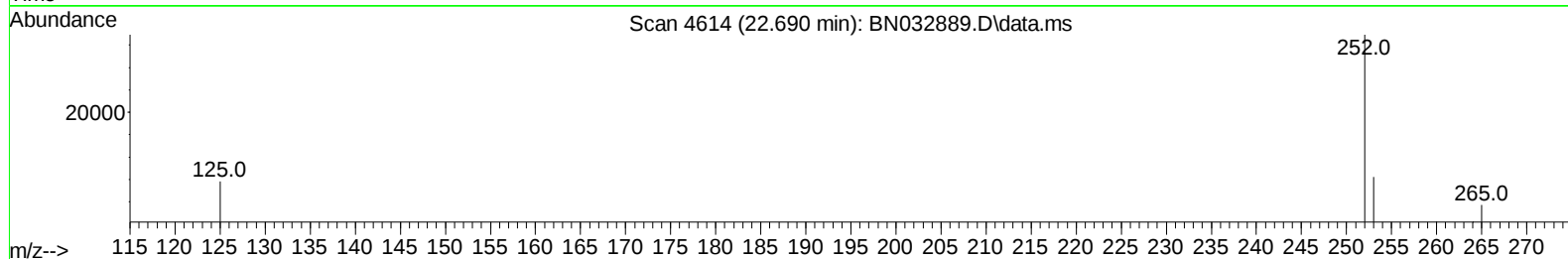
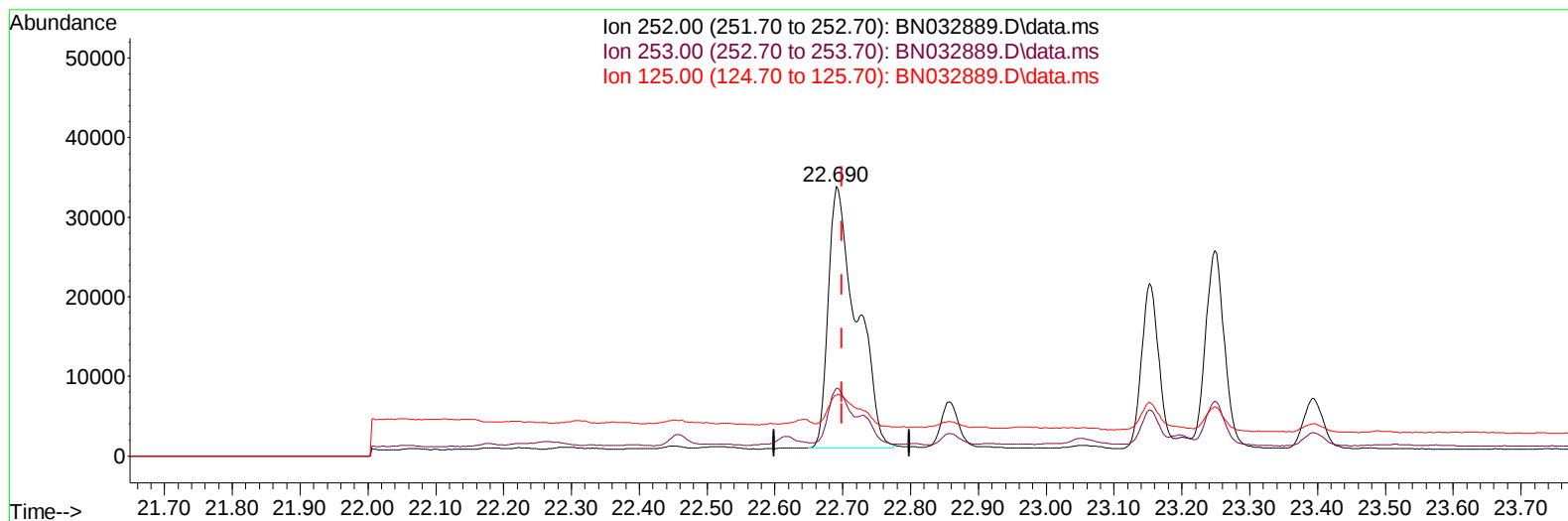
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

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TIC: BN032889.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 1.94 ng/u1

response 95312

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	25.04
125.00	18.00	22.63
0.00	0.00	0.00

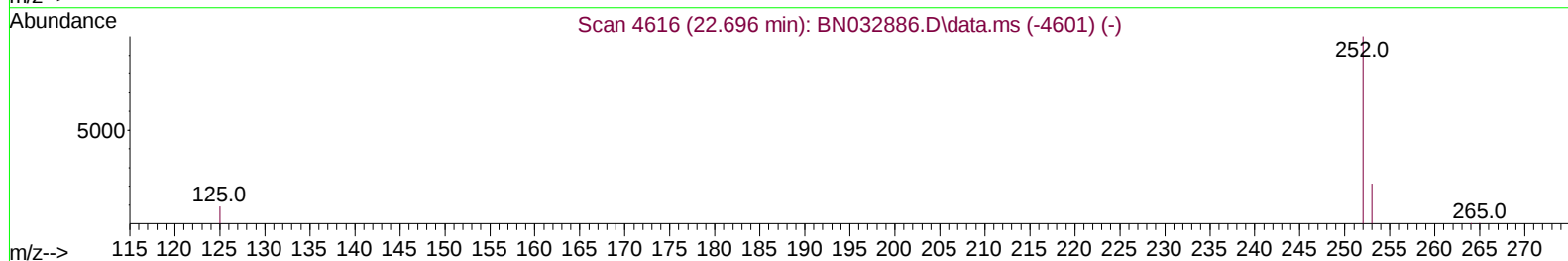
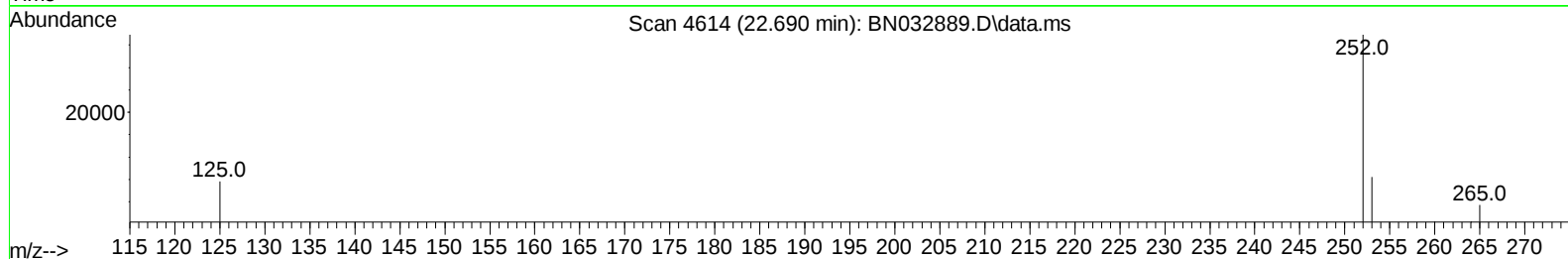
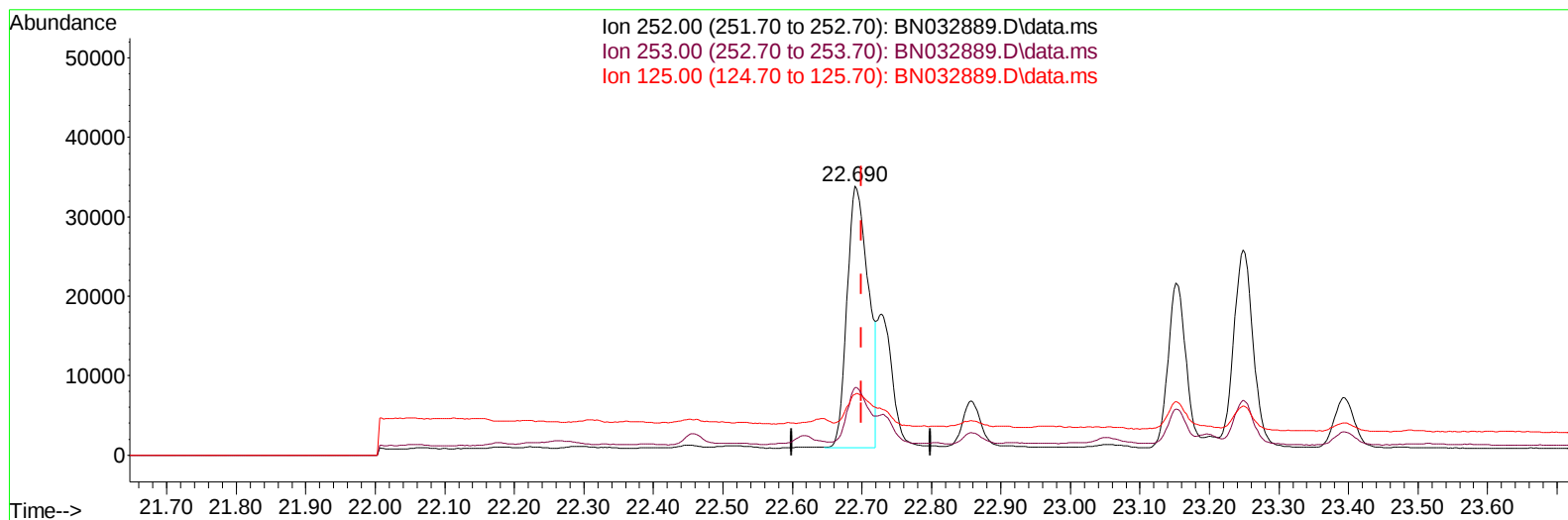
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 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: BN032889.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 1.44 ng/u1 m

response 70708

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	25.04
125.00	18.00	22.63
0.00	0.00	0.00

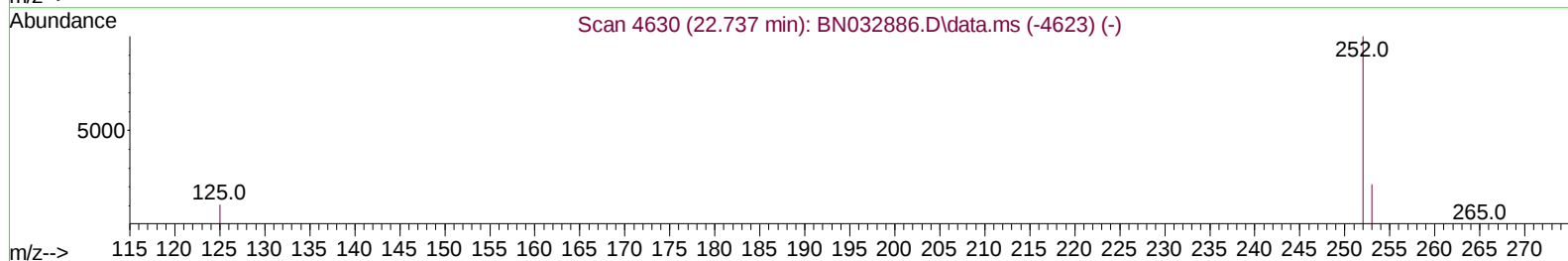
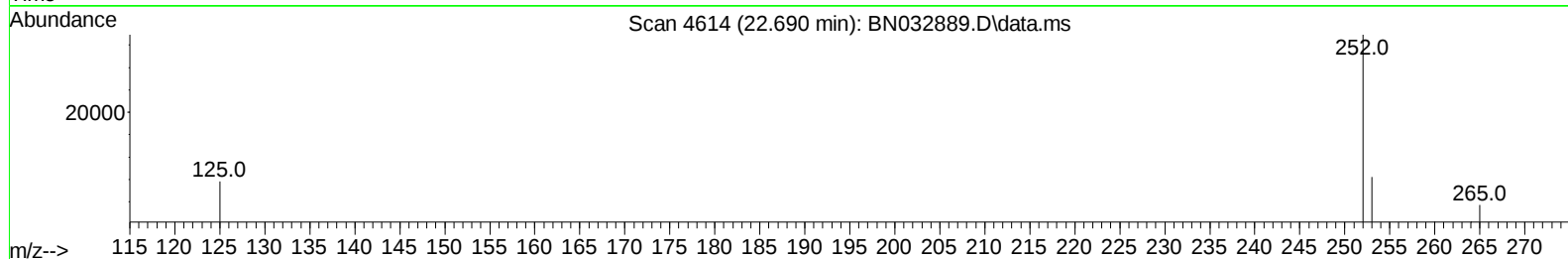
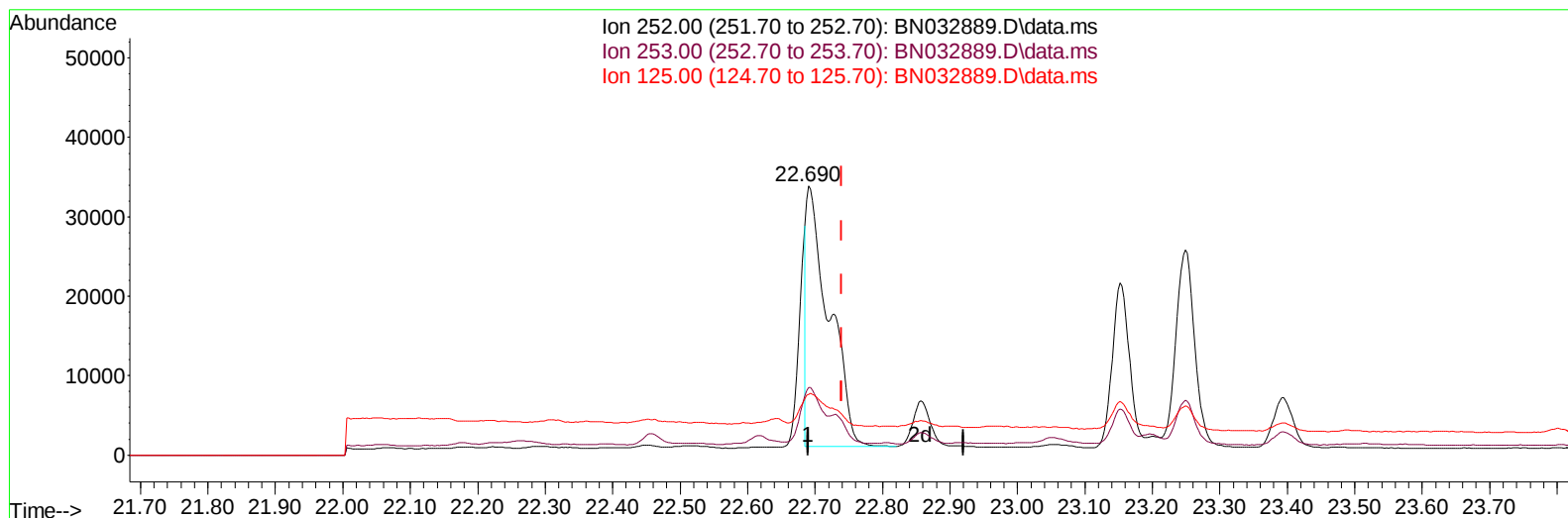
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

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QLast Update : Sat Jul 20 01:52:15 2024
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Supervised By :mohammad ahmed 07/23/2024



TIC: BN032889.D\data.ms

(25) Benzo(k)fluoranthene

22.690min (-0.050) 1.29 ng/u1

response 77035

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	25.04
125.00	18.50	22.63#
0.00	0.00	0.00

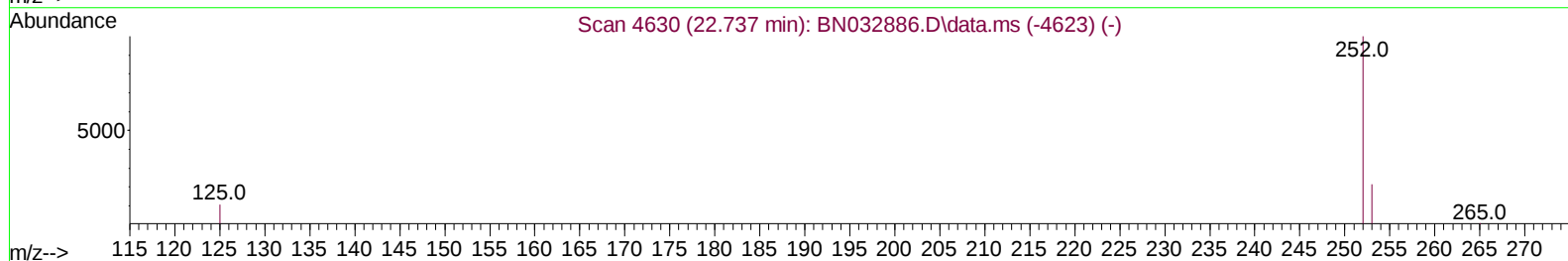
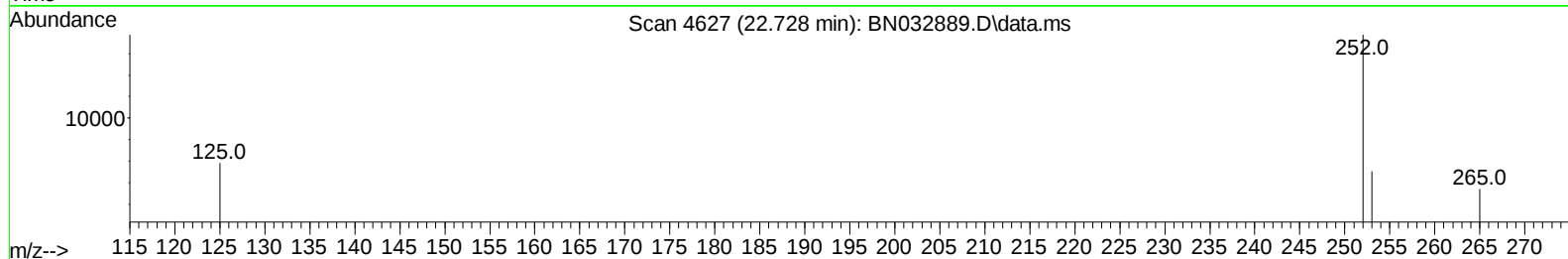
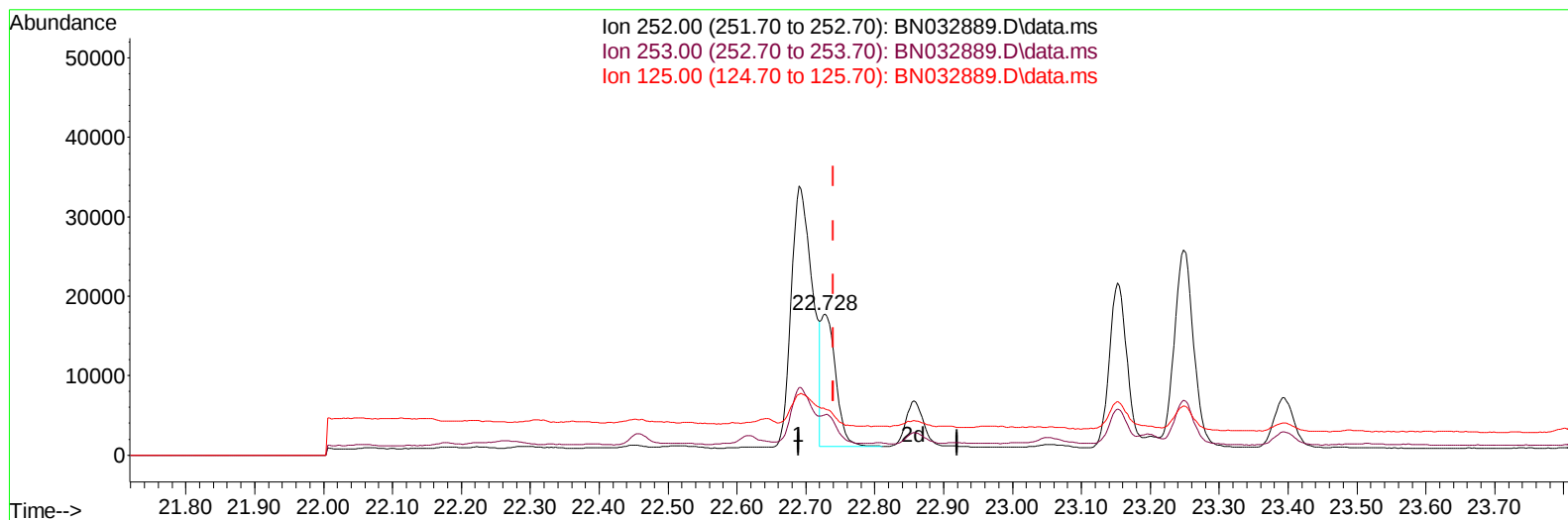
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032889.D
Acq On : 22 Jul 2024 12:33
Operator : MA/JU
Sample : P3215-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

Quant Time: Jul 22 13:05:20 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: BN032889.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.012) 0.42 ng/u1 m

response 25005

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	28.64
125.00	18.50	32.75#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
 Data File : BN032889.D
 Acq On : 22 Jul 2024 12:33
 Operator : MA/JU
 Sample : P3215-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D25

Manual IntegrationsAPPROVED

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

Quant Time: Jul 22 13:05:20 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.523	152	4095	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.288	136	12671	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.174	164	6901	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.936	188	13695m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.156	240	12868m	0.400	ng/ul	0.00
23) Perylene-d12	23.345	264	13931m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	12065	2.454	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.900	152	2789	0.146	ng/ul	-0.03
18) Fluoranthene-d10	18.980	212	5807	0.138	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.338	128	4534	0.133	ng/ul#	96
7) 2-Methylnaphthalene	11.977	142	1143	0.054	ng/ul	95
8) 1-Methylnaphthalene	12.197	142	577	0.026	ng/ul	94
10) Acenaphthylene	13.897	152	5772	0.207	ng/ul	95
11) Acenaphthene	14.235	153	1797	0.078	ng/ul	97
12) Fluorene	15.234	166	3097	0.118	ng/ul#	97
15) Phenanthrene	16.974	178	24484m	0.656	ng/ul	
16) Anthracene	17.071	178	10945m	0.359	ng/ul	
19) Fluoranthene	19.008	202	99408	1.900	ng/ul	99
20) Pyrene	19.375	202	93586	1.728	ng/ul	99
21) Benzo(a)anthracene	21.138	228	50221m	1.226	ng/ul	
22) Chrysene	21.191	228	59450	1.003	ng/ul#	94
24) Benzo(b)fluoranthene	22.690	252	70708m	1.439	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	25005m	0.417	ng/ul	
26) Benzo(a)pyrene	23.248	252	48762	1.146	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.549	276	35196	0.611	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.546	278	8529	0.191	ng/ul#	60
29) Benzo(g,h,i)perylene	26.233	276	32482	0.675	ng/ul	97

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

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Instrument :
BNA_N
ClientSampleId :
A4D25

Manual IntegrationsAPPROVED

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