

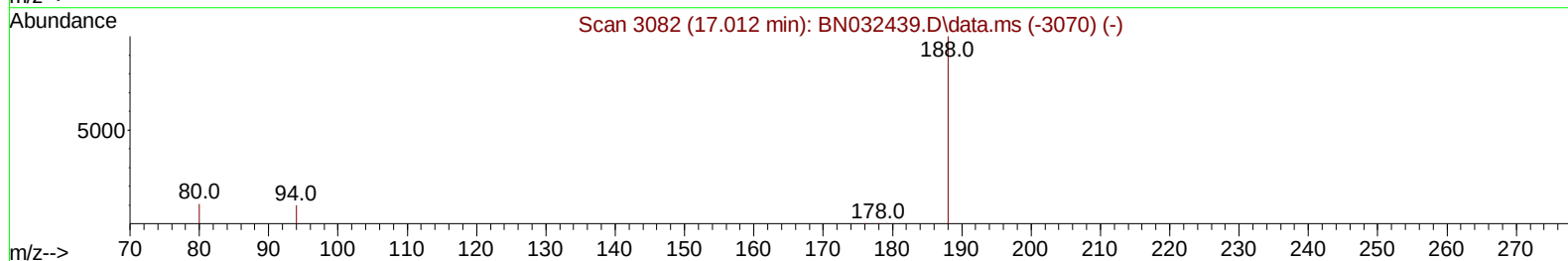
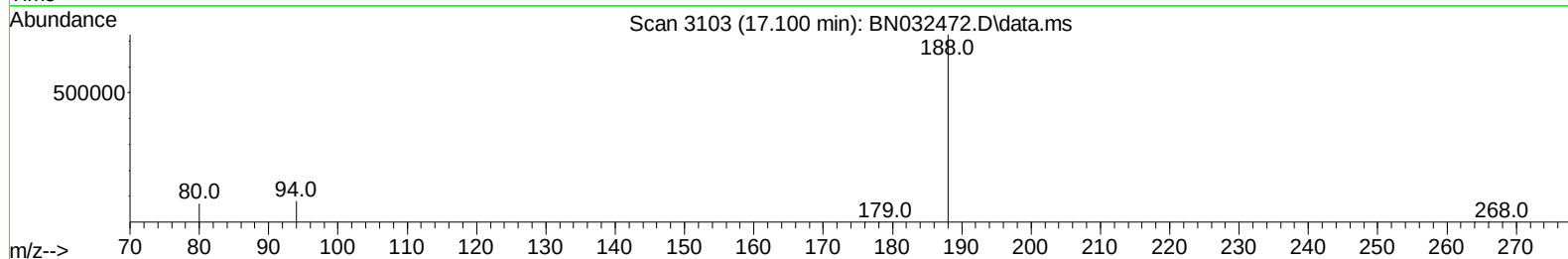
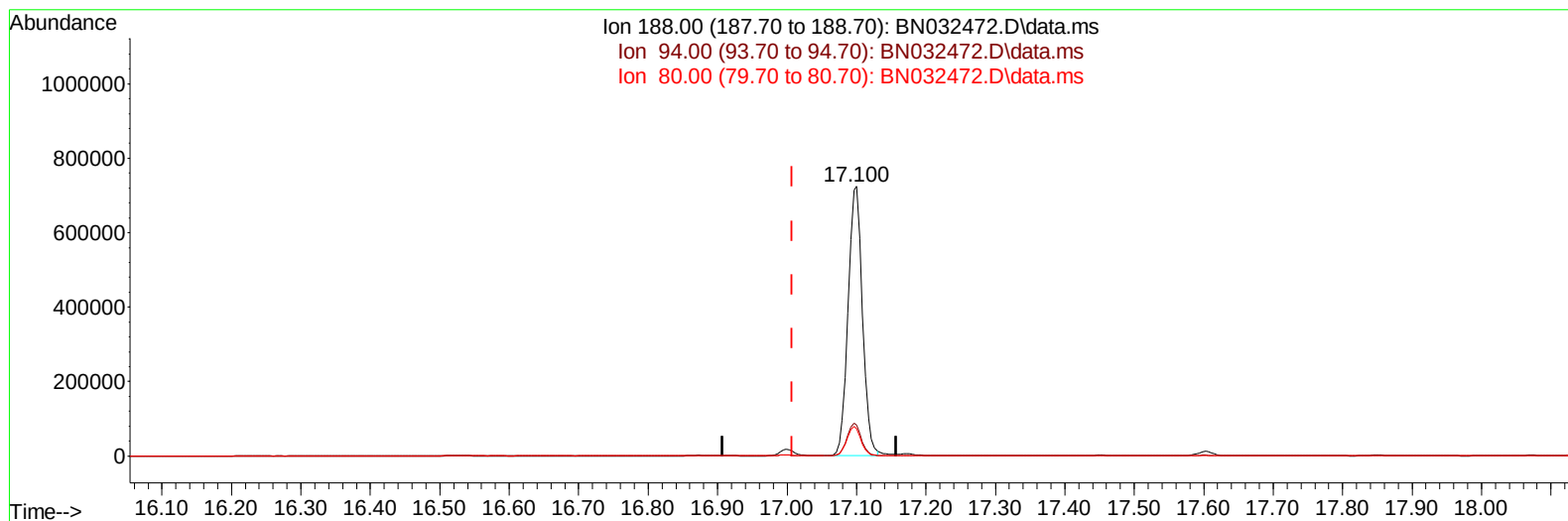
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(13) Phenanthrene-d10 (I)

17.100min (+ 0.093) 0.40 ng/ul

response 1040914

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.36
80.00	10.50	9.96
0.00	0.00	0.00

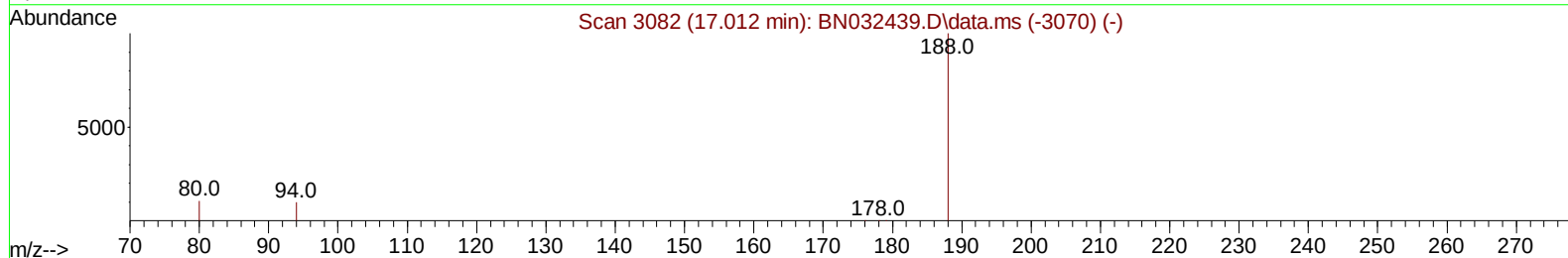
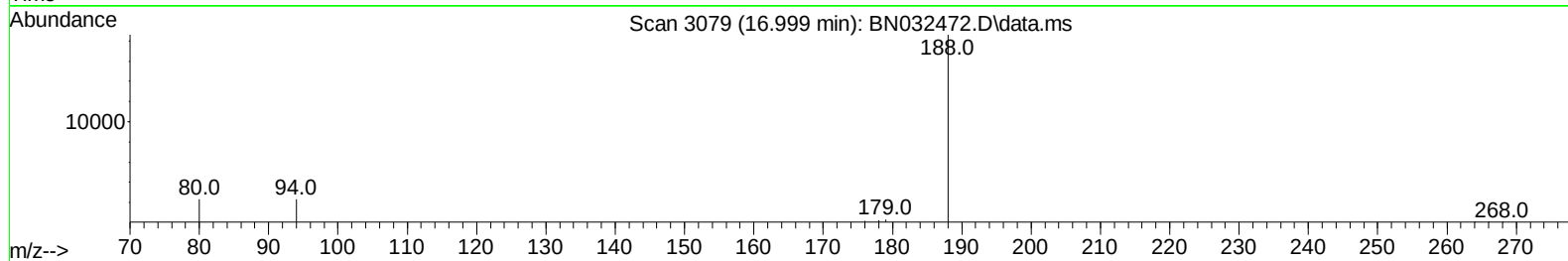
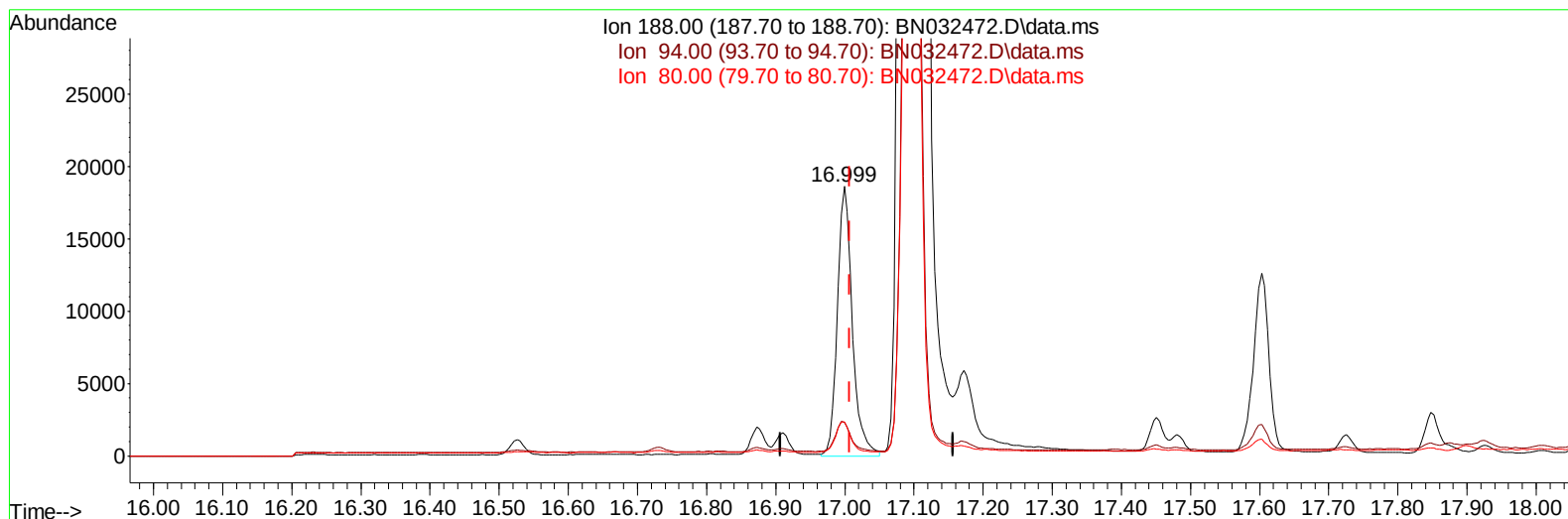
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(13) Phenanthrene-d10 (I)

16.999min (-0.008) 0.40 ng/ul m

response 28006

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.39#
80.00	10.50	12.63#
0.00	0.00	0.00

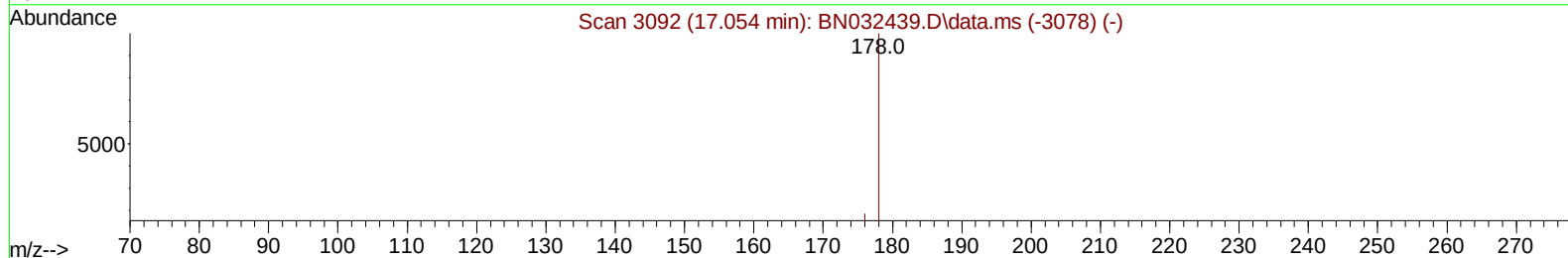
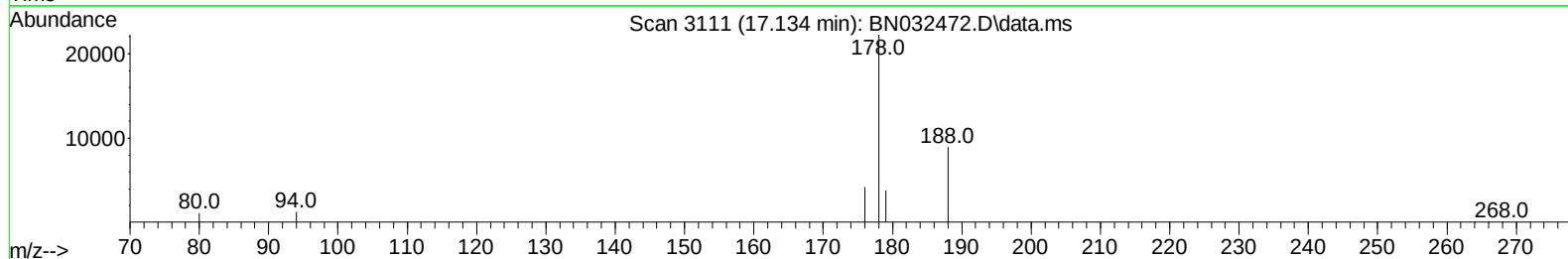
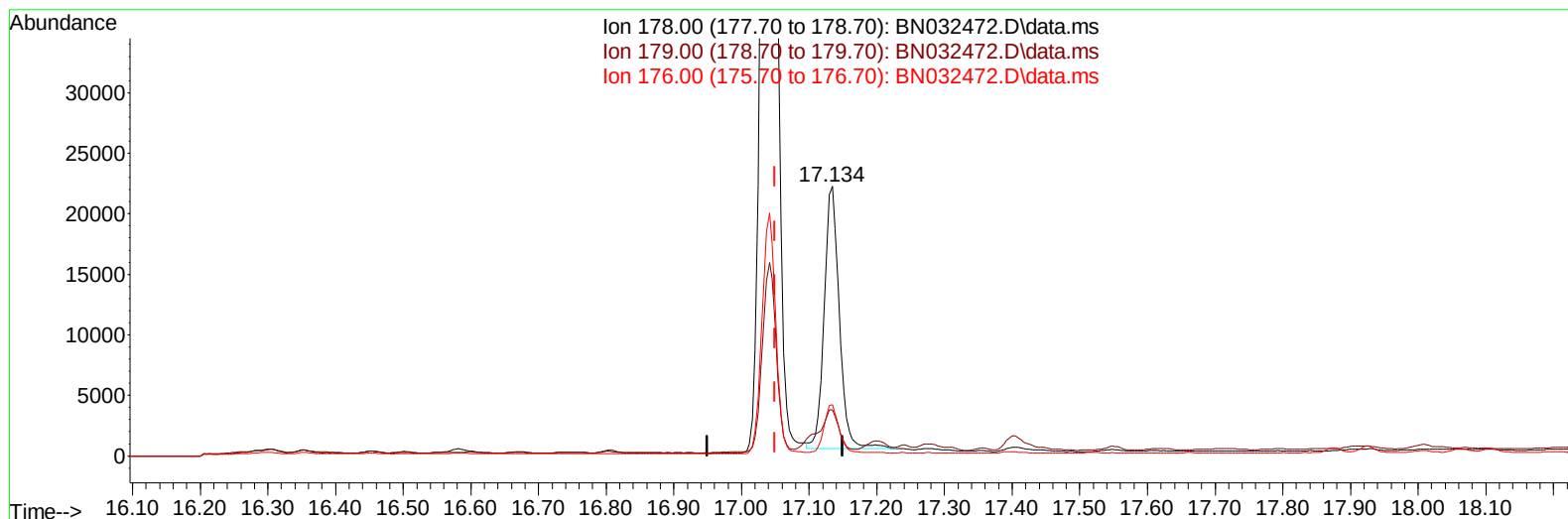
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(15) Phenanthrene

17.134min (+ 0.084) 0.44 ng/ul

response 33776

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	17.07
176.00	19.50	18.91
0.00	0.00	0.00

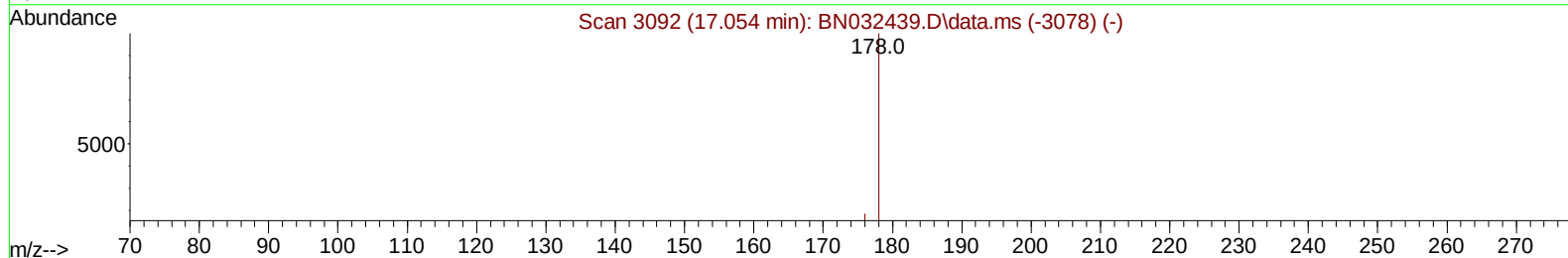
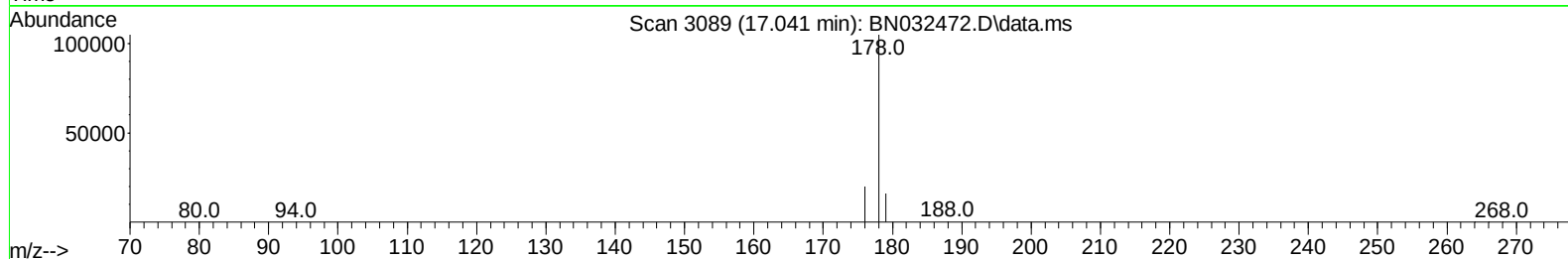
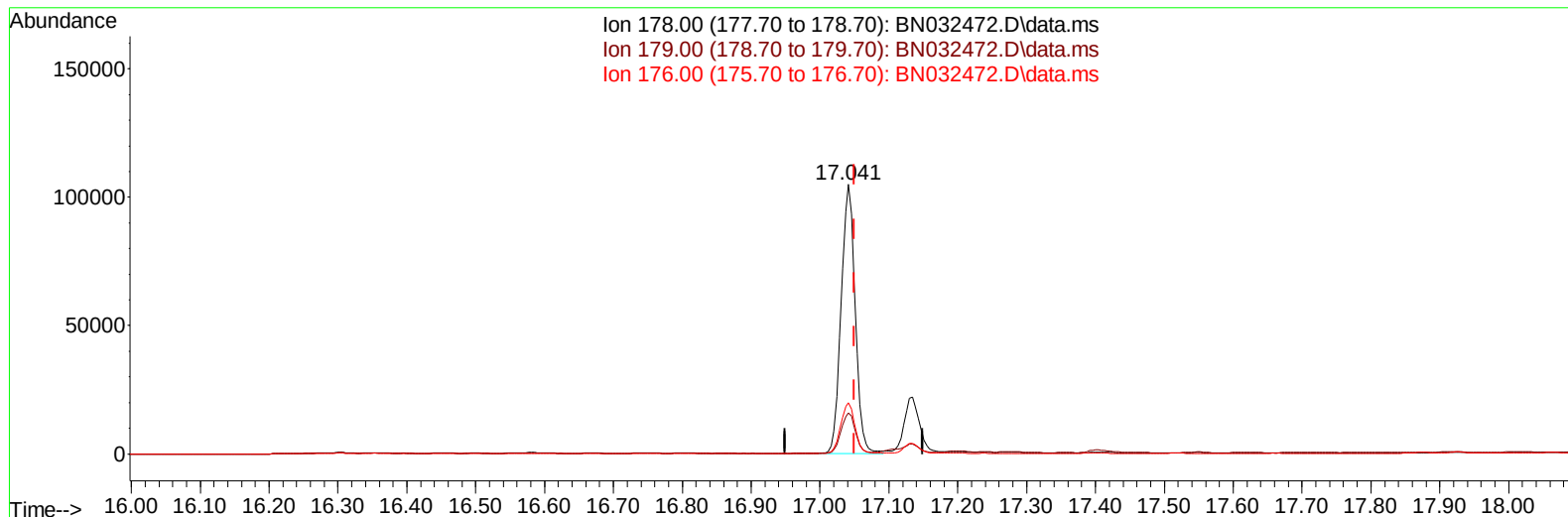
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(15) Phenanthrene

17.041min (-0.008) 1.94 ng/ul m

response 148607

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.21
176.00	19.50	19.12
0.00	0.00	0.00

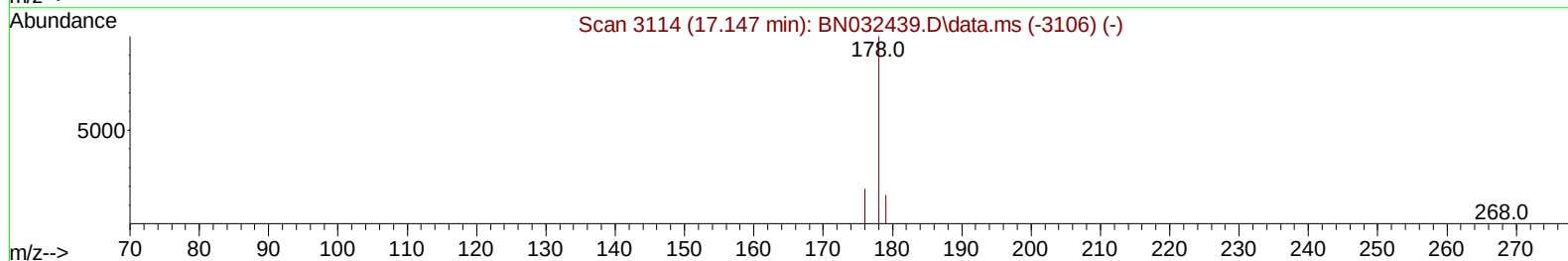
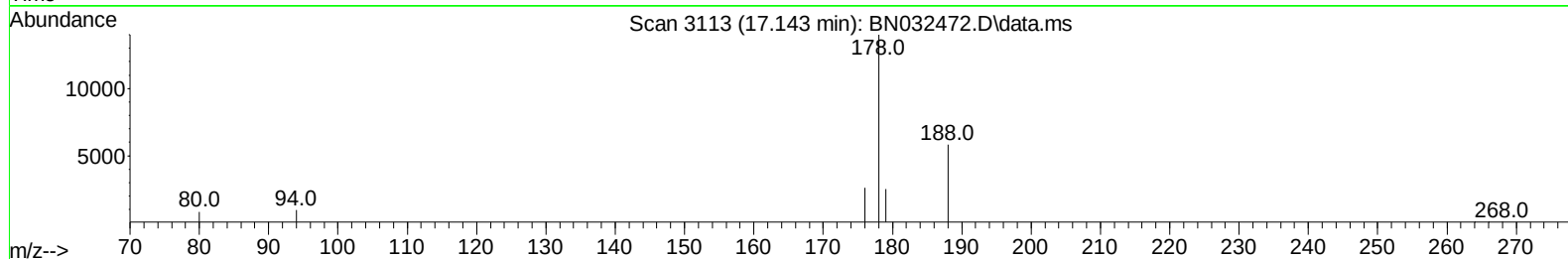
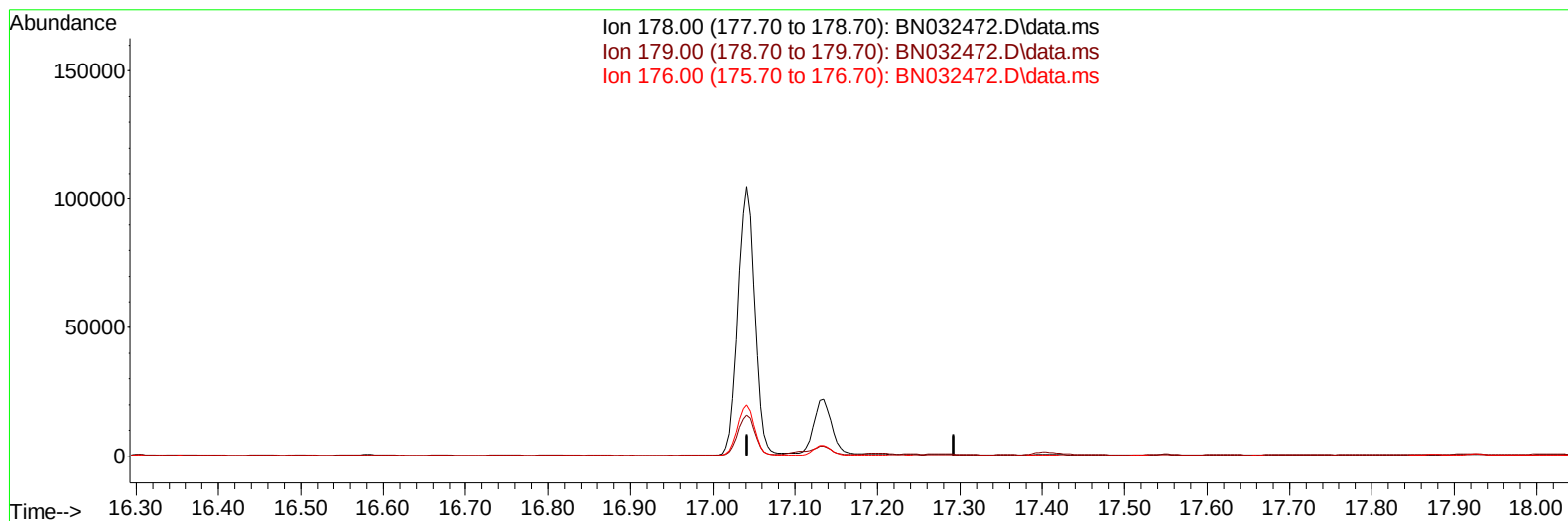
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032472.D\data.ms

(16) Anthracene

17.143min (-17.143) 0.00 ng/ul

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	15.60	0.00#
176.00	18.80	0.00#
0.00	0.00	0.00

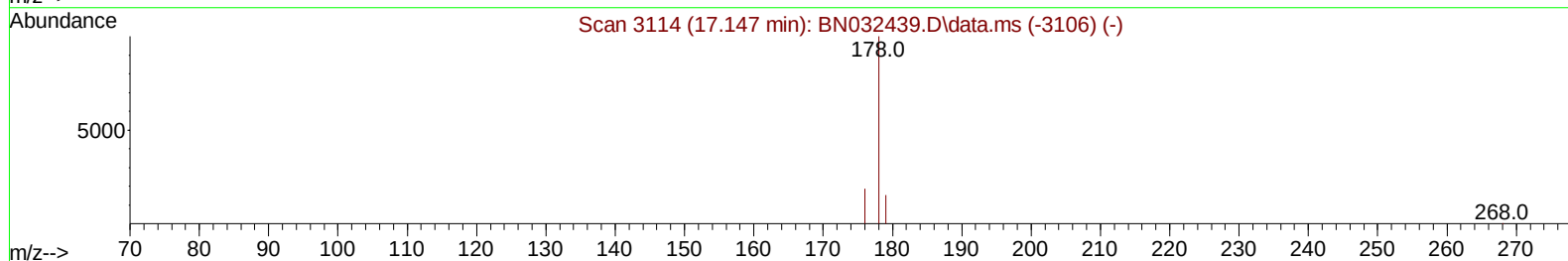
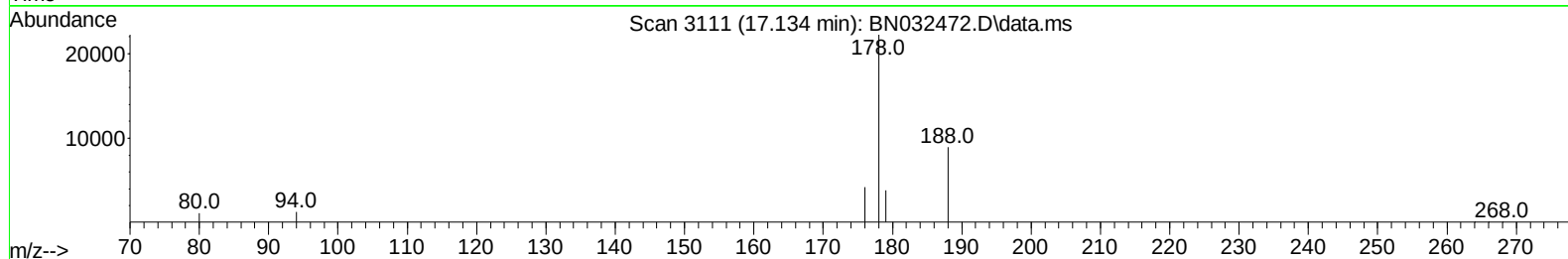
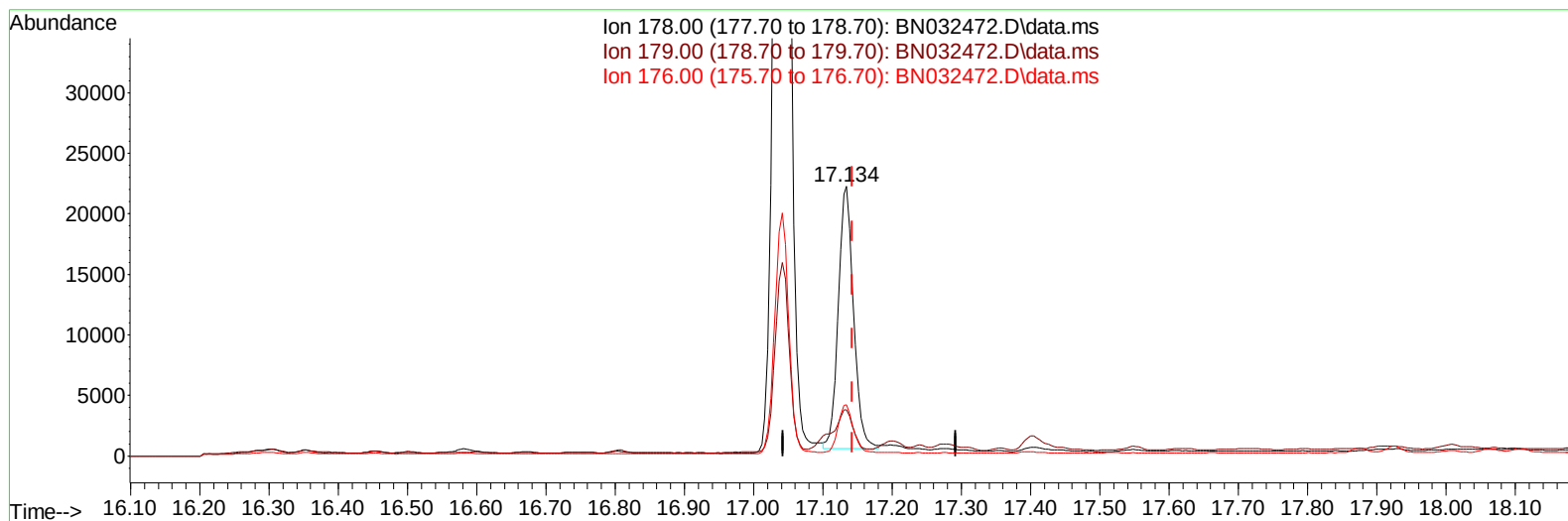
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(16) Anthracene

17.134min (-0.008) 0.48 ng/ul m

response 32958

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	17.07
176.00	18.80	18.91
0.00	0.00	0.00

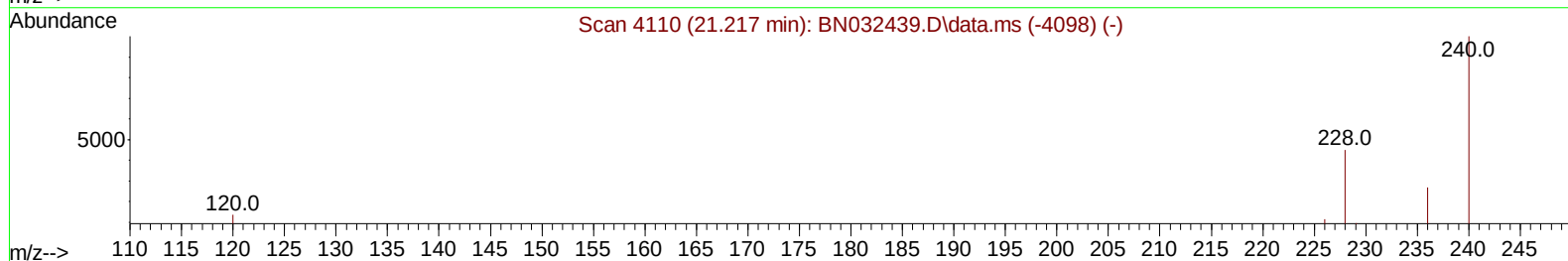
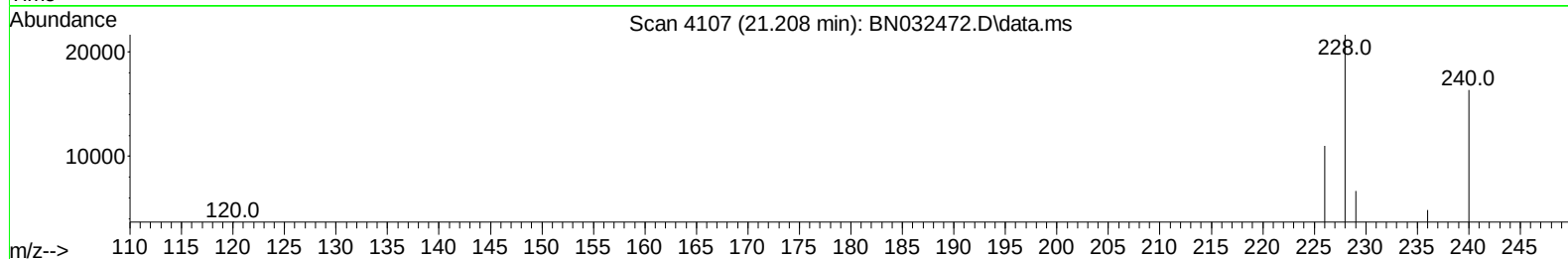
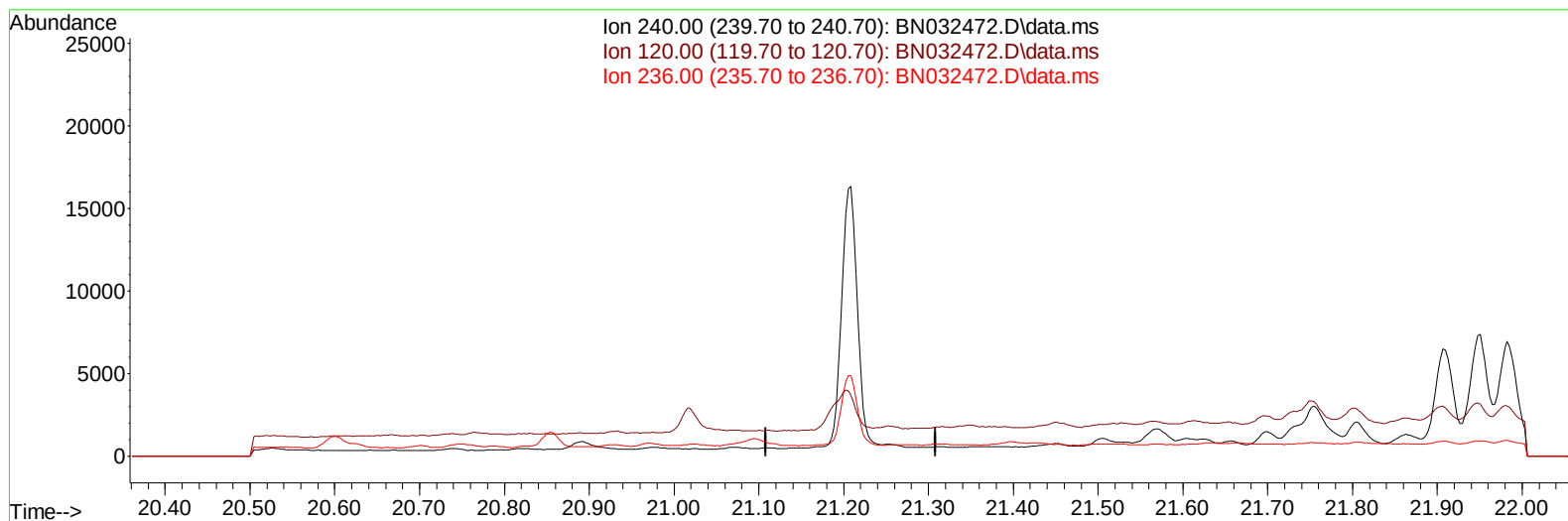
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/05/2024
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TIC: BN032472.D\data.ms

(17) Chrysene-d12

21.209min (-21.209) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.80	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

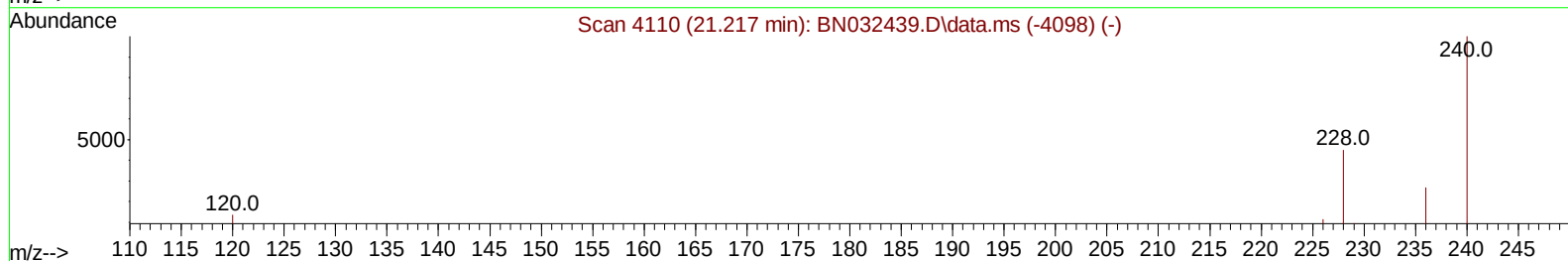
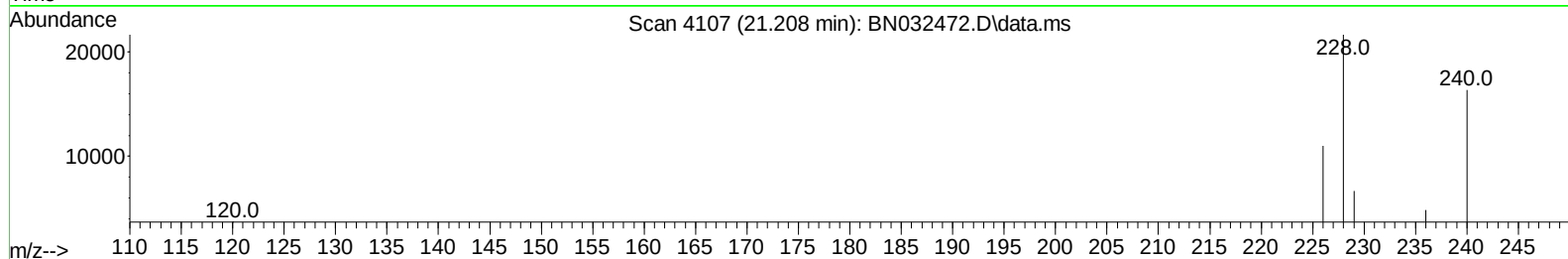
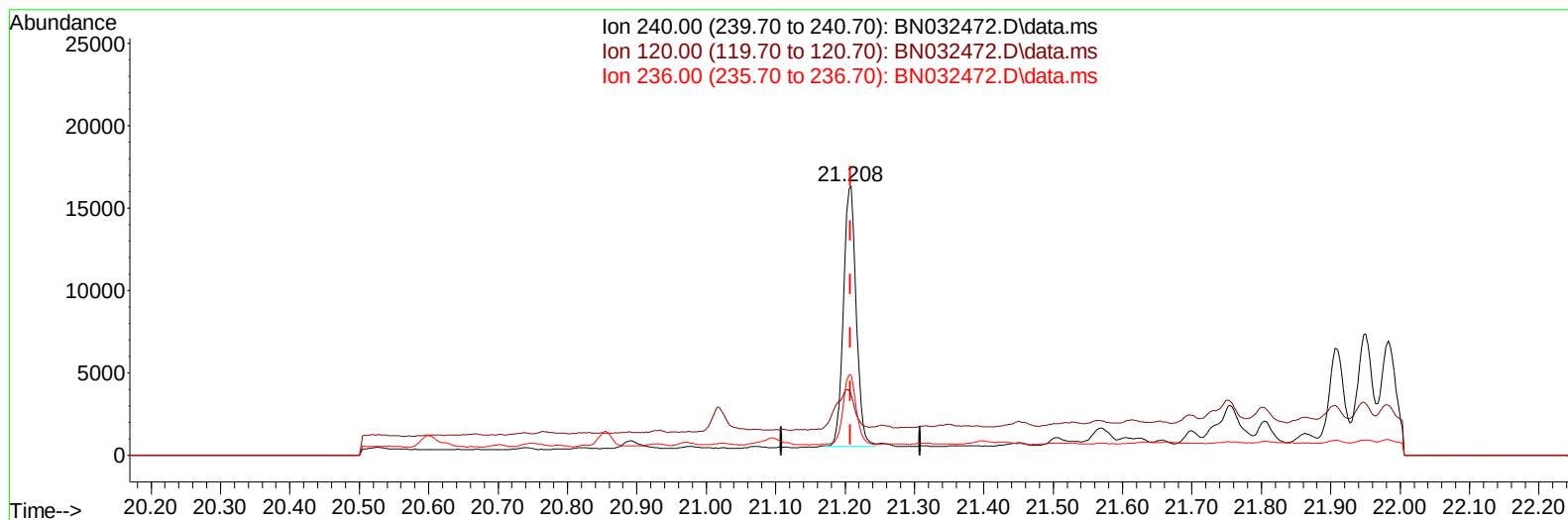
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(17) Chrysene-d12

21.208min (-0.000) 0.40 ng/ul m

response 20257

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	22.56#
236.00	28.40	29.79
0.00	0.00	0.00

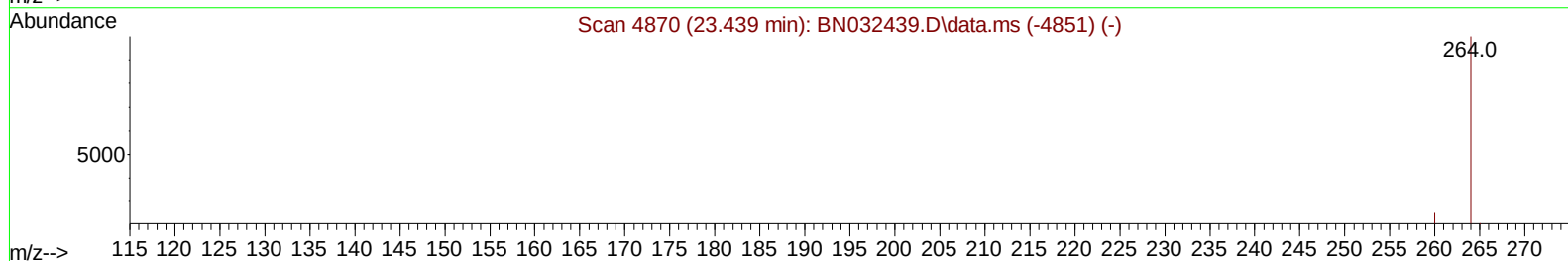
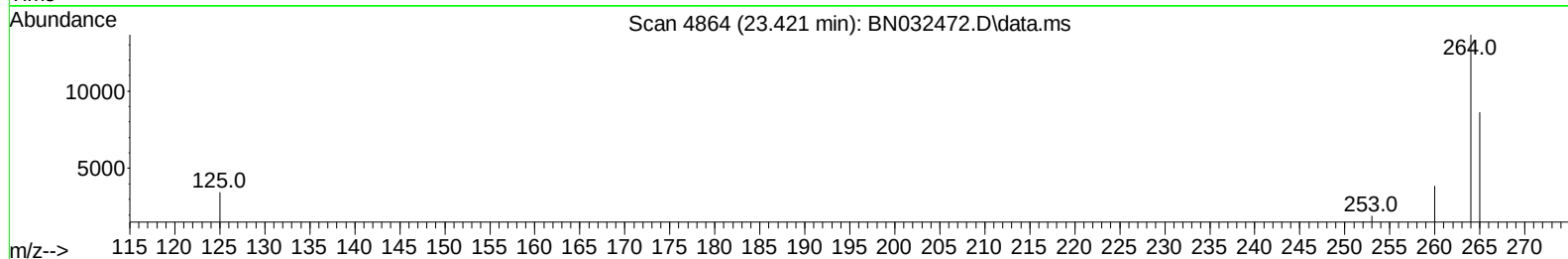
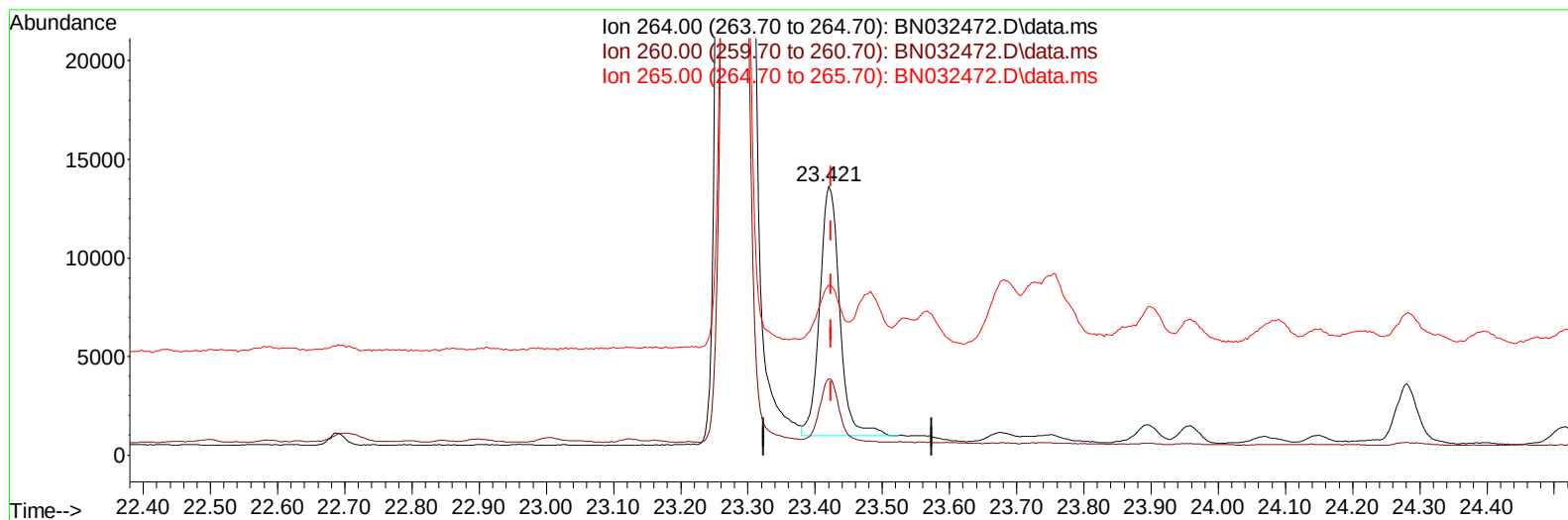
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032472.D\data.ms

(23) Perylene-d12 (I)

23.421min (-0.003) 0.40 ng/u1

response 26241

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	28.33
265.00	67.20	63.26
0.00	0.00	0.00

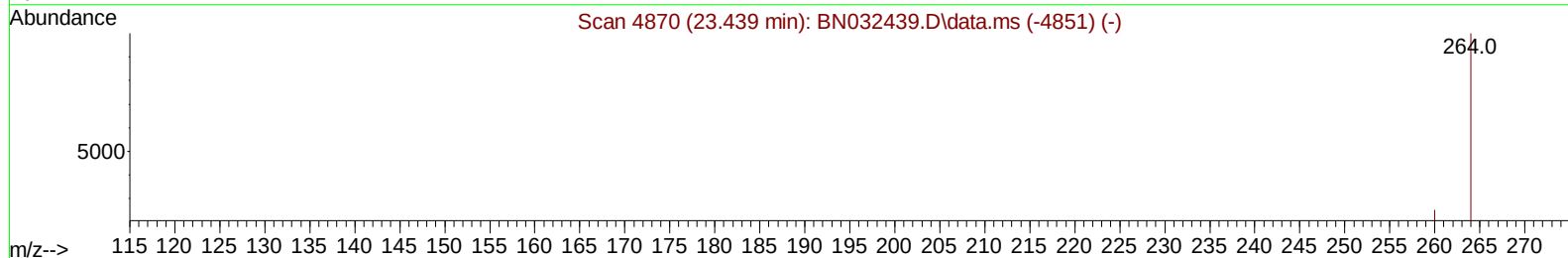
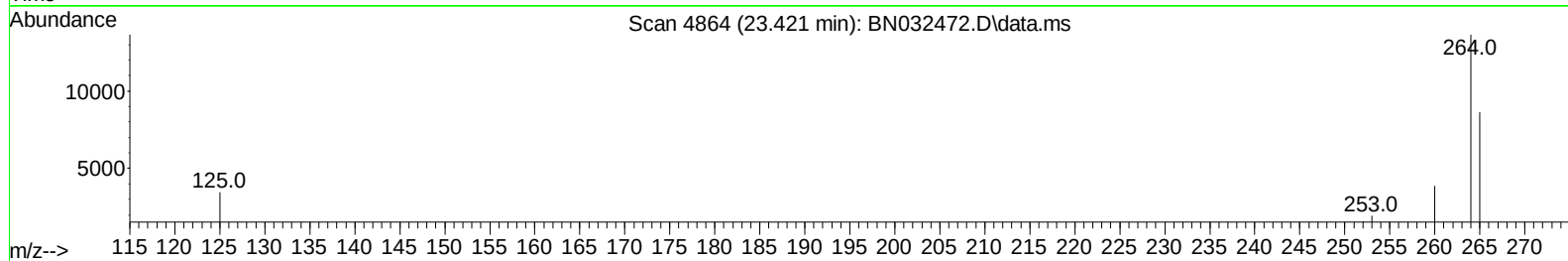
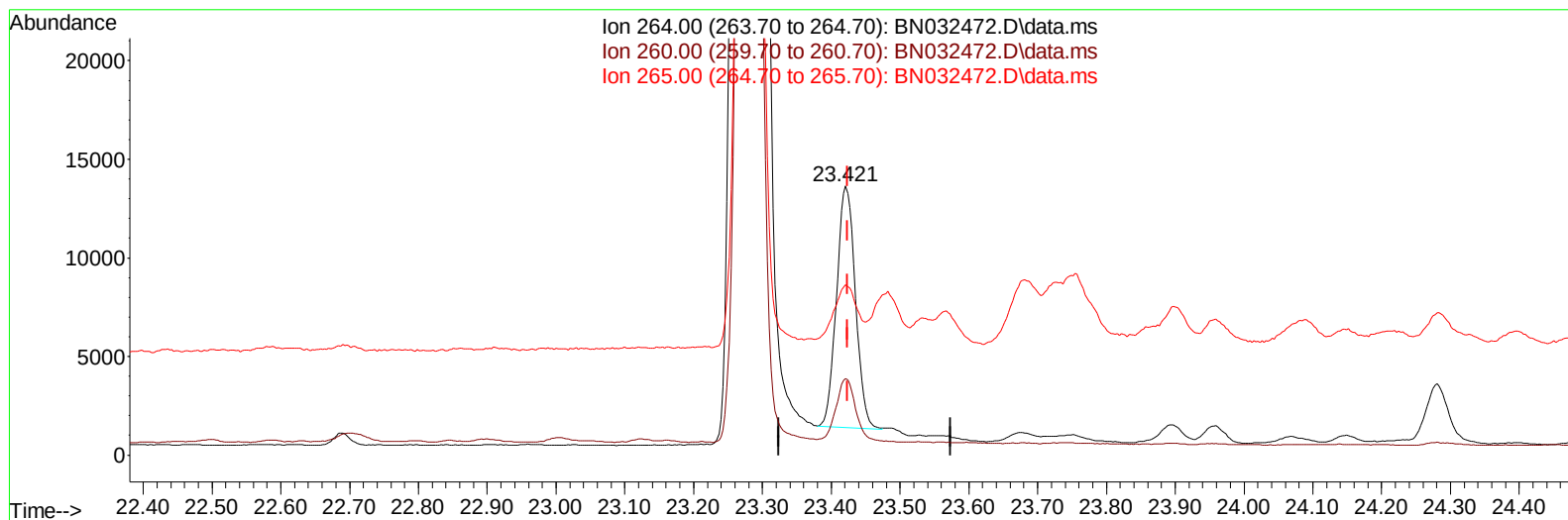
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Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(23) Perylene-d12 (I)

23.421min (-0.003) 0.40 ng/ul m

response 23294

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	28.33
265.00	67.20	63.26
0.00	0.00	0.00

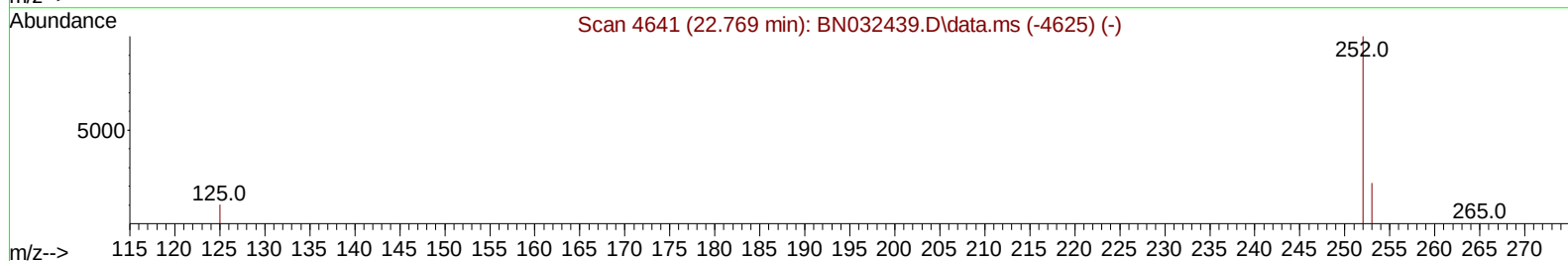
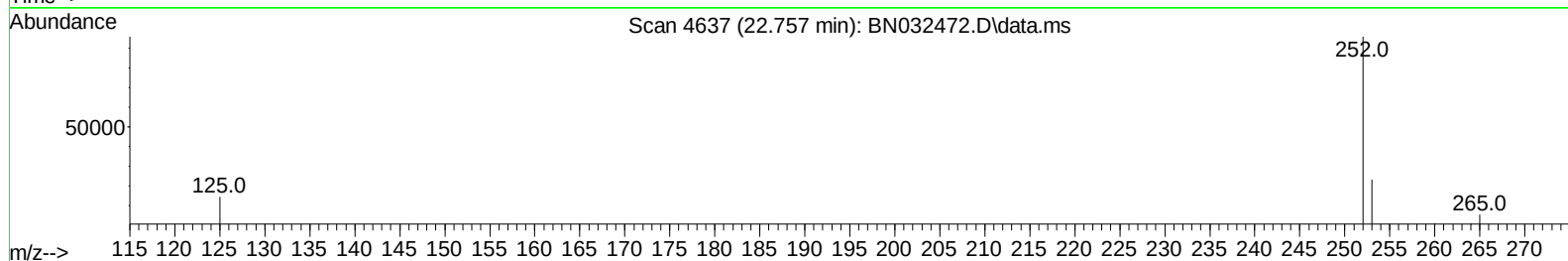
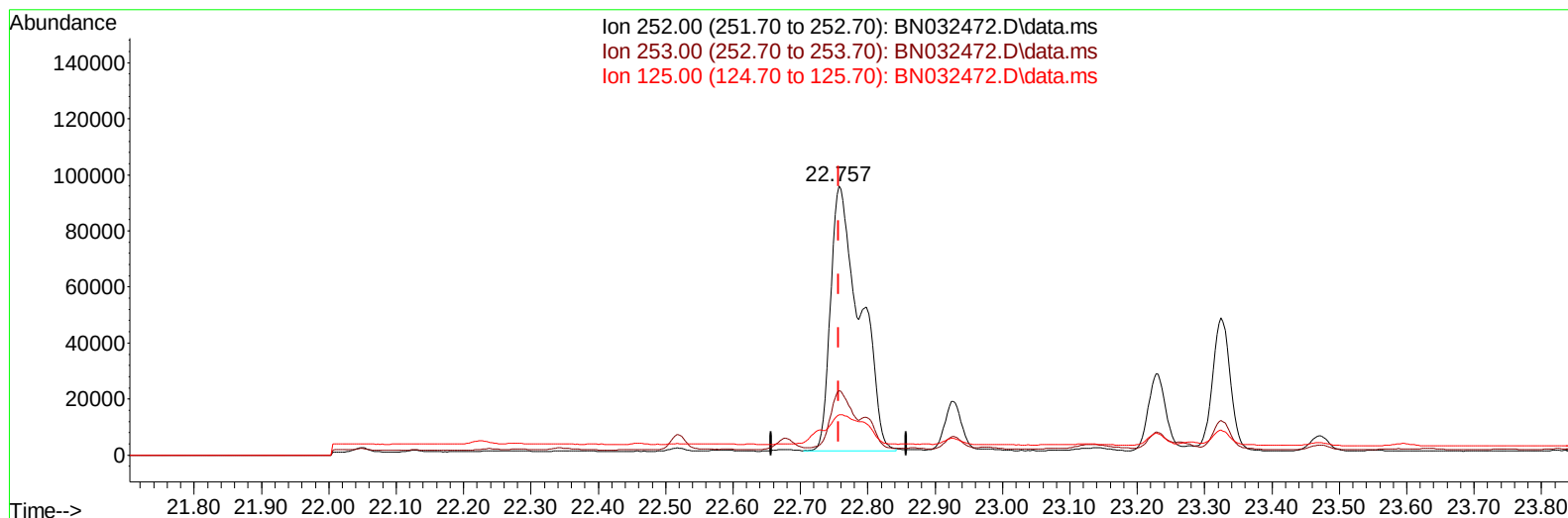
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/05/2024
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TIC: BN032472.D\data.ms

(24) Benzo(b)fluoranthene

22.757min (-0.000) 2.82 ng/u1

response 285254

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.97
125.00	16.00	14.90
0.00	0.00	0.00

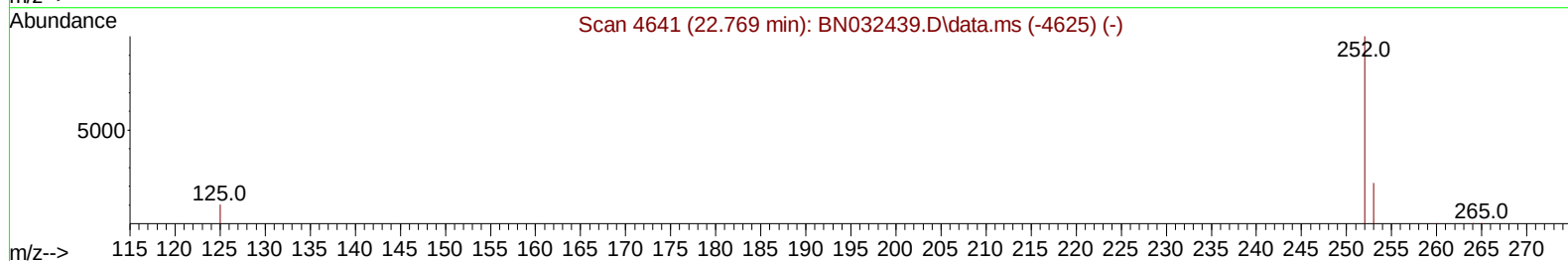
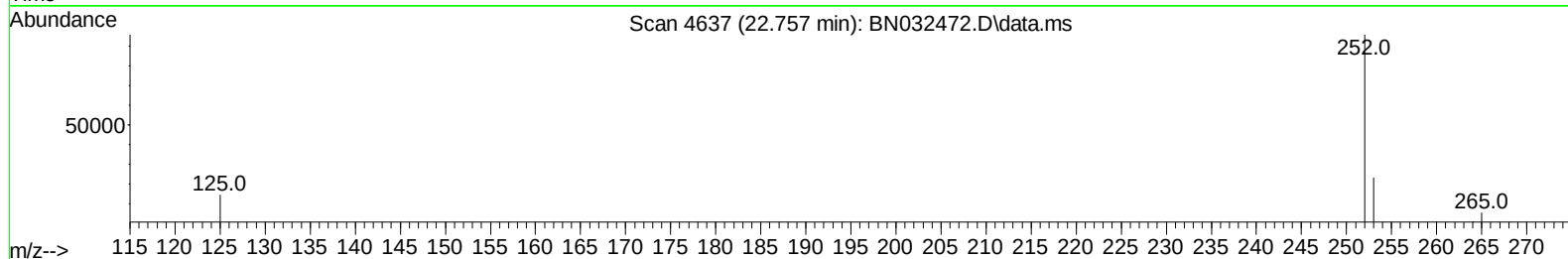
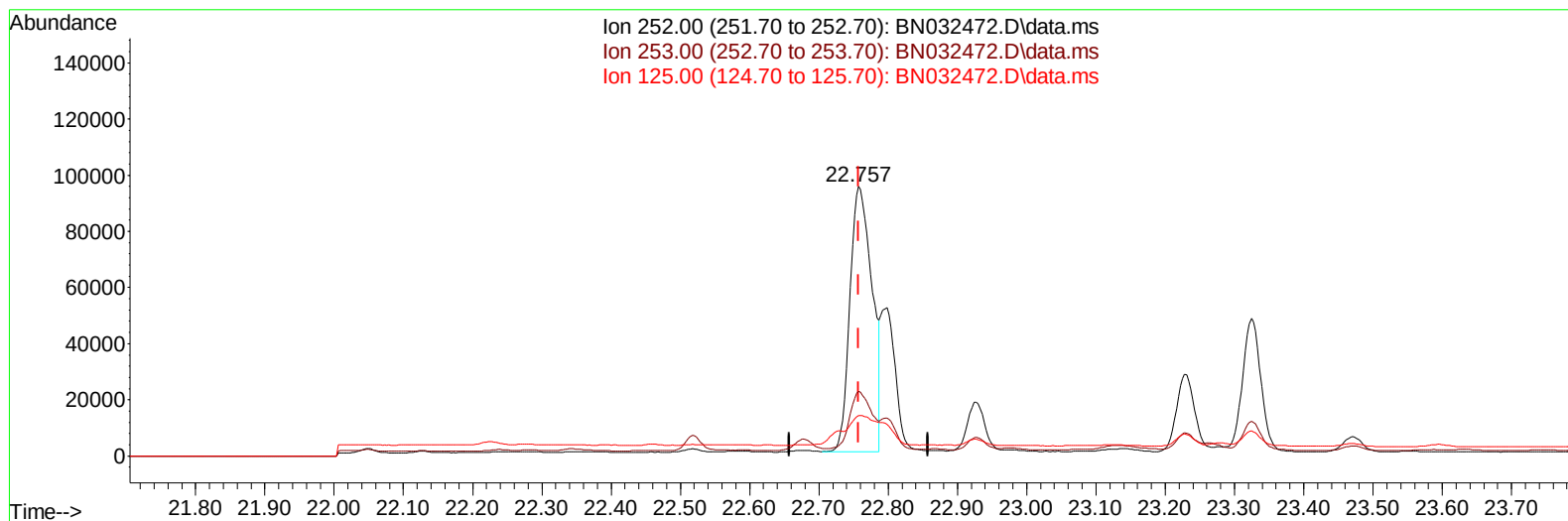
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(24) Benzo(b)fluoranthene

22.757min (-0.000) 2.08 ng/ul m

response 210622

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.97
125.00	16.00	14.90
0.00	0.00	0.00

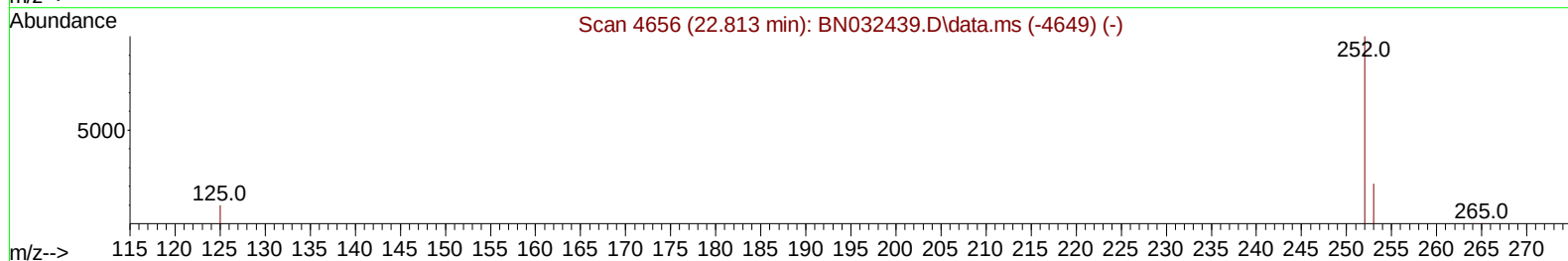
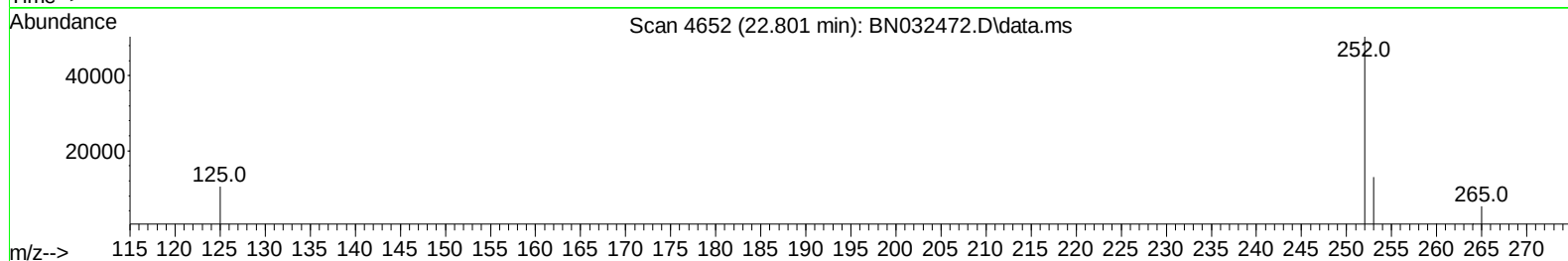
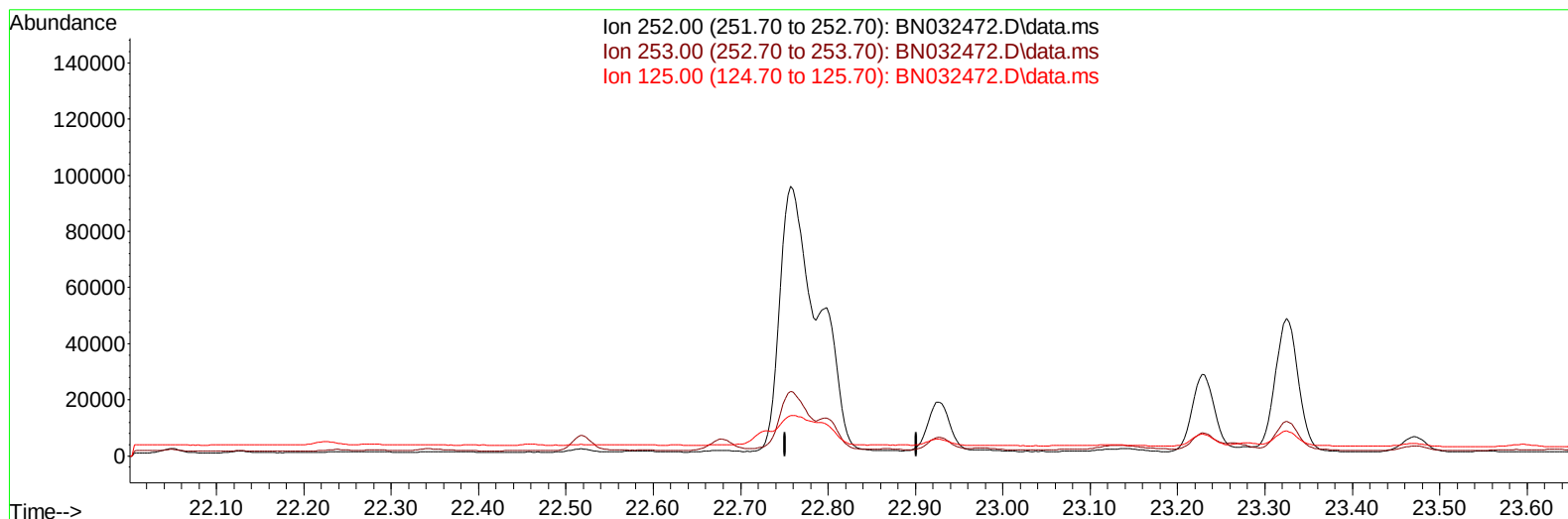
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032472.D
Acq On : 04 Jul 2024 13:21
Operator : MA/JU
Sample : P2964-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT0

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-22.801) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	25.40	0.00#
125.00	16.00	0.00#
0.00	0.00	0.00

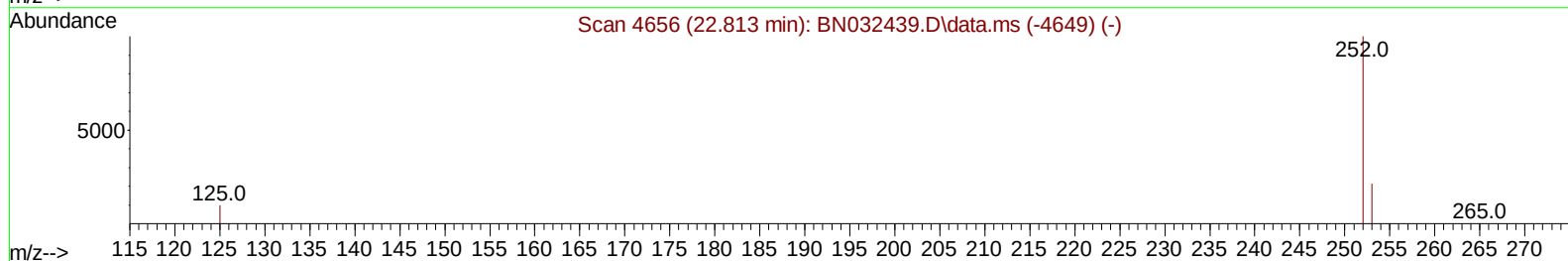
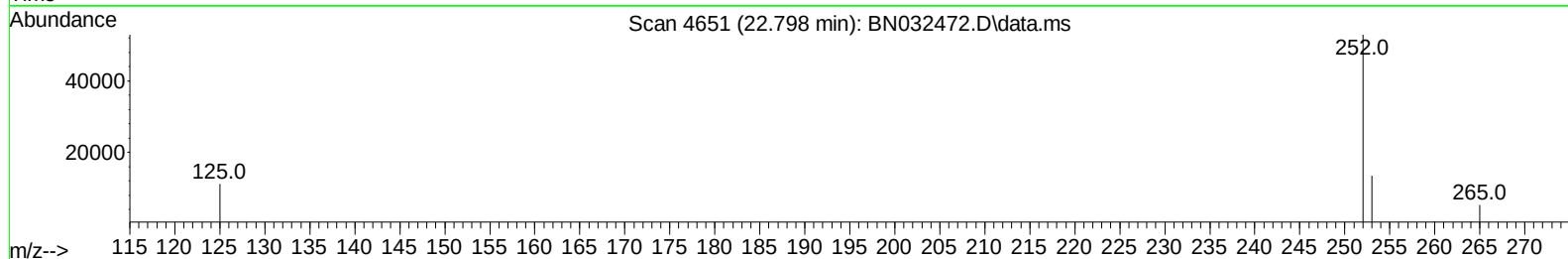
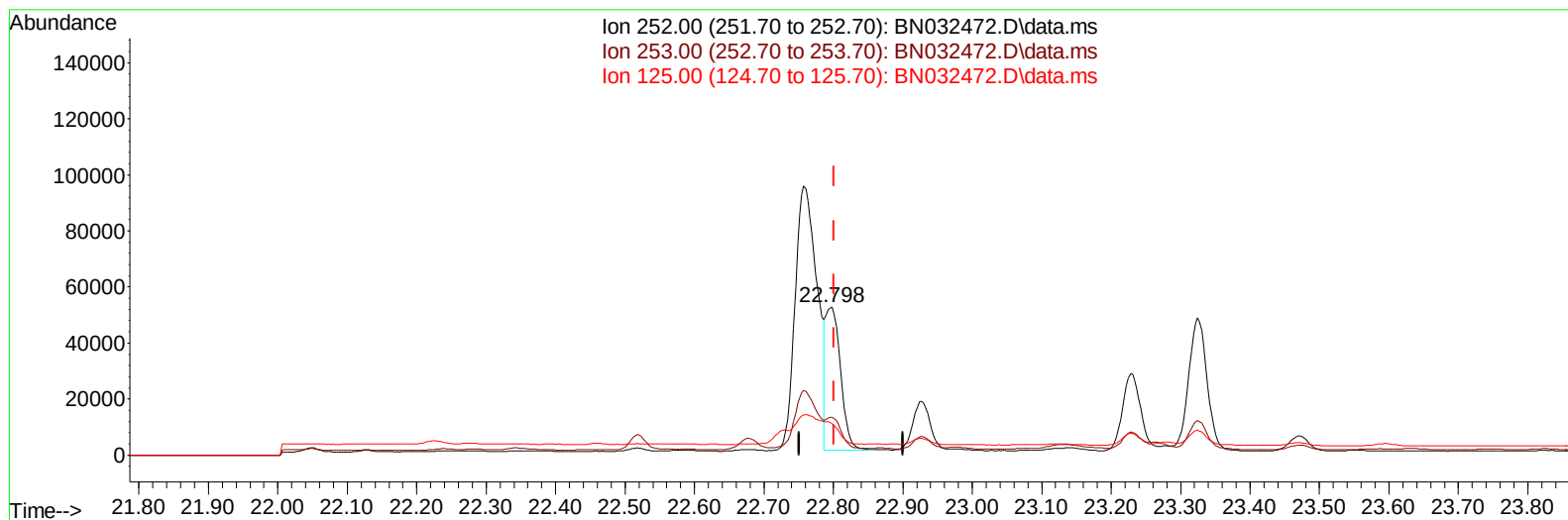
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032472.D
 Acq On : 04 Jul 2024 13:21
 Operator : MA/JU
 Sample : P2964-13
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT0

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024



TIC: BN032472.D\data.ms

(25) Benzo(k)fluoranthene

22.798min (-0.003) 0.77 ng/ul m

response 75475

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	25.54
125.00	16.00	21.13#
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	7.595	152	8990	0.400	ng/ul	0.00
4) Naphthalene-d8	10.371	136	26644	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.244	164	14500	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.999	188	28006m	0.400	ng/ul	0.00
17) Chrysene-d12	21.208	240	20257m	0.400	ng/ul	0.00
23) Perylene-d12	23.421	264	23294m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	29214	2.924	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.971	152	7397	0.185	ng/ul	0.00
18) Fluoranthene-d10	19.041	212	14247	0.234	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.420	128	10719	0.152	ng/ul	98
7) 2-Methylnaphthalene	12.048	142	3269	0.070	ng/ul	97
8) 1-Methylnaphthalene	12.268	142	2292	0.047	ng/ul	98
10) Acenaphthylene	13.966	152	14473	0.240	ng/ul	97
11) Acenaphthene	14.304	153	6763	0.144	ng/ul	98
12) Fluorene	15.299	166	7991	0.143	ng/ul#	98
15) Phenanthrene	17.041	178	148607m	1.935	ng/ul	
16) Anthracene	17.134	178	32958m	0.481	ng/ul	
19) Fluoranthene	19.069	202	291339	3.777	ng/ul	99
20) Pyrene	19.436	202	220463	2.735	ng/ul	98
21) Benzo(a)anthracene	21.191	228	146742	2.007	ng/ul	97
22) Chrysene	21.244	228	155532	1.938	ng/ul	96
24) Benzo(b)fluoranthene	22.757	252	210622m	2.081	ng/ul	
25) Benzo(k)fluoranthene	22.798	252	75475m	0.768	ng/ul	
26) Benzo(a)pyrene	23.324	252	87801	1.247	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.653	276	81770	0.742	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.653	278	28360	0.346	ng/ul#	82
29) Benzo(g,h,i)perylene	26.340	276	13340	0.152	ng/ul#	74

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

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