

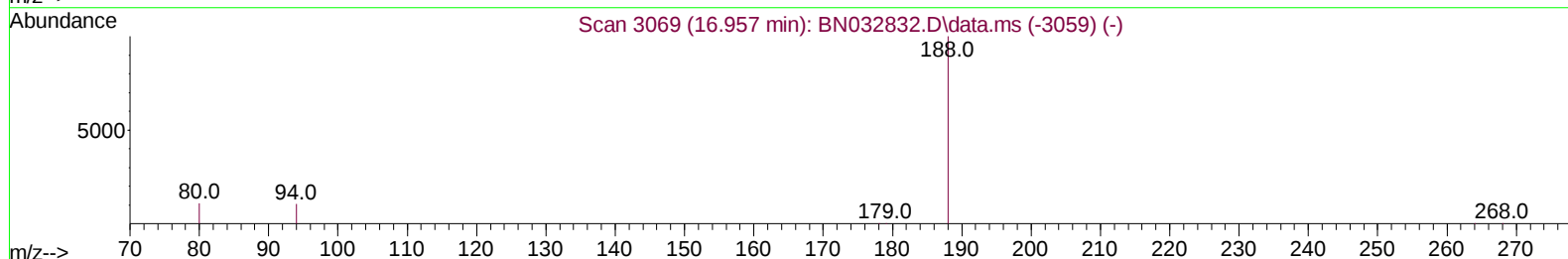
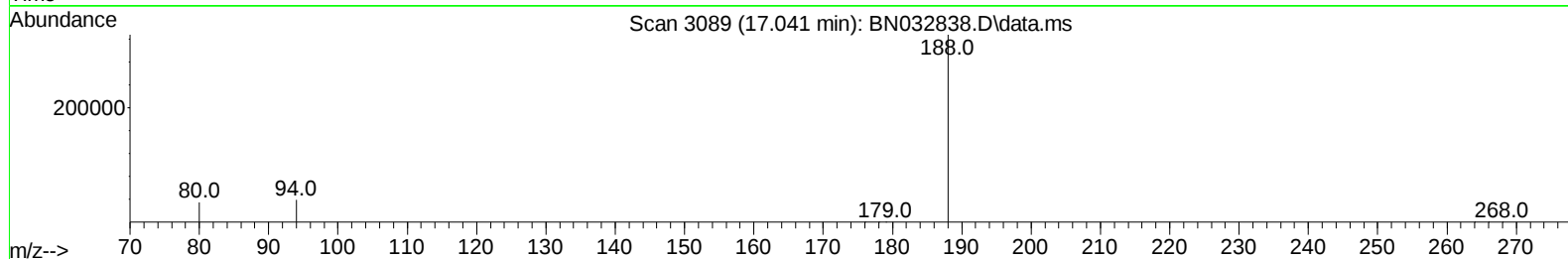
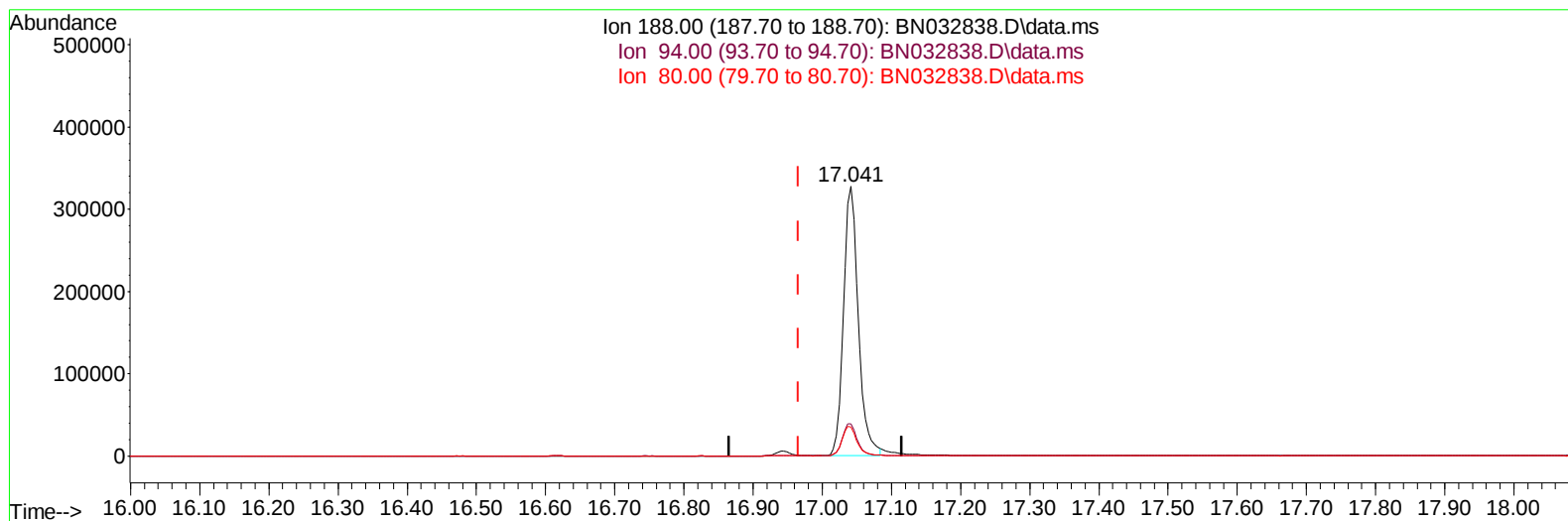
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 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 : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032838.D\data.ms

(13) Phenanthrene-d10 (I)

17.041min (+ 0.076) 0.40 ng/u1

response 486453

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.88
80.00	12.00	10.68
0.00	0.00	0.00

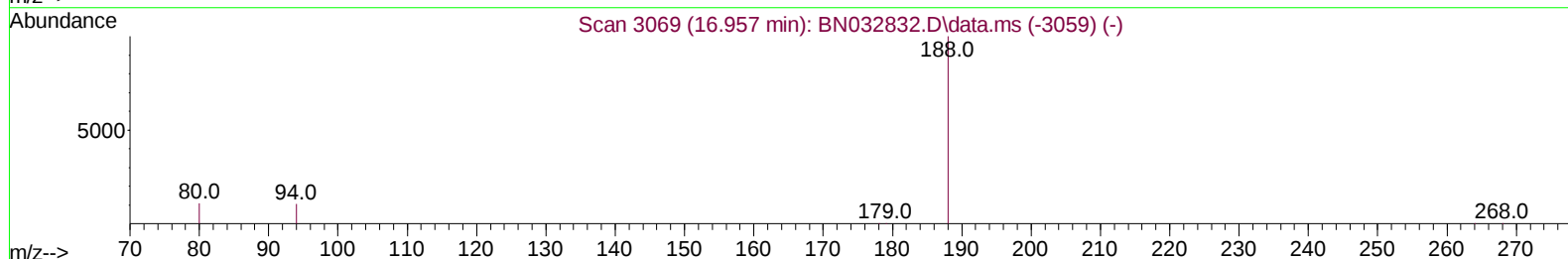
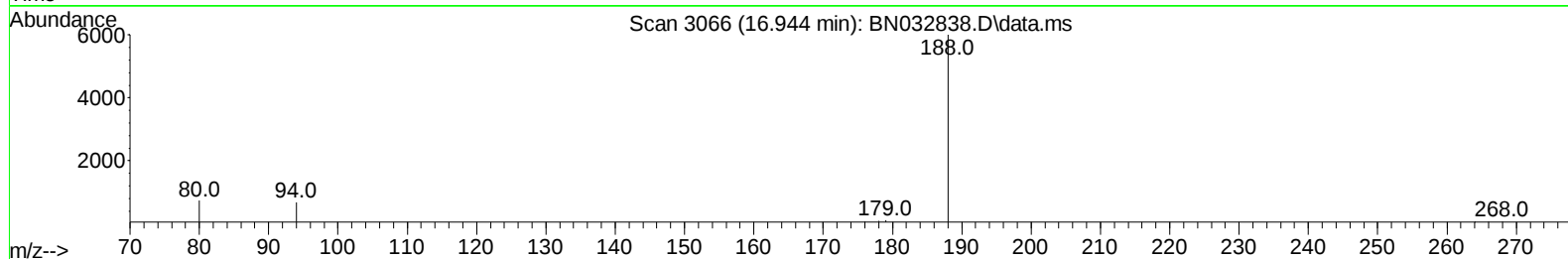
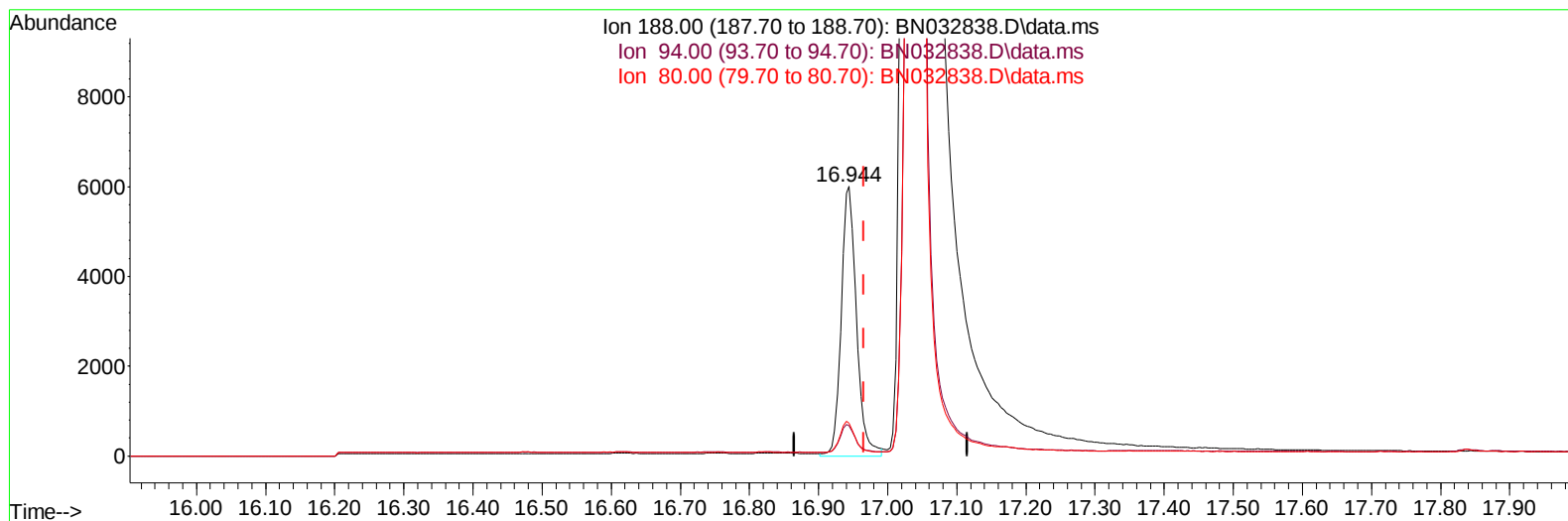
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 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 : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032838.D\data.ms

(13) Phenanthrene-d10 (I)

16.944min (-0.021) 0.40 ng/ul m

response 9178

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.12
80.00	12.00	12.12
0.00	0.00	0.00

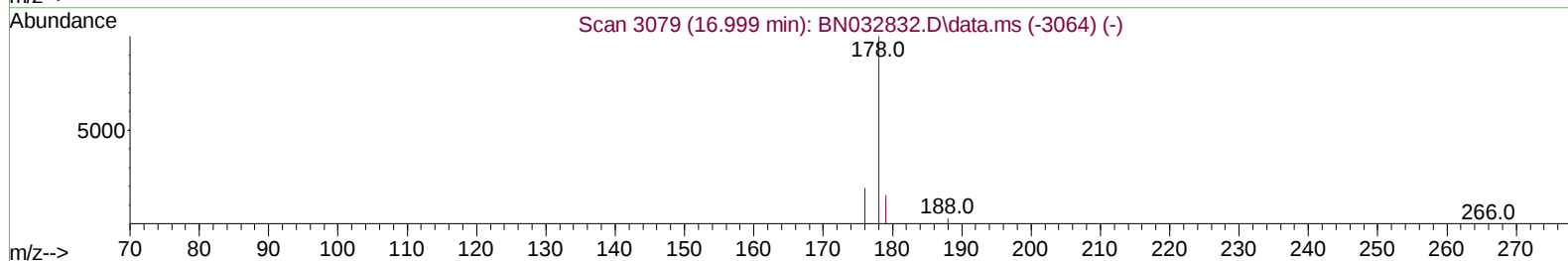
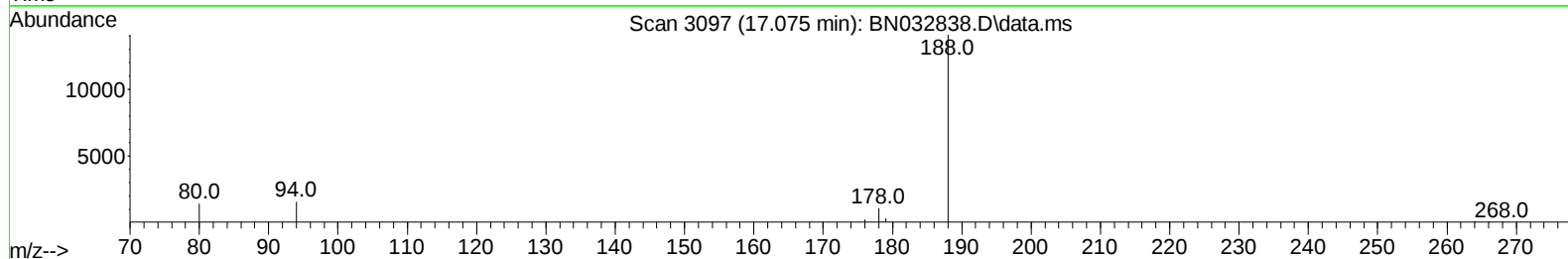
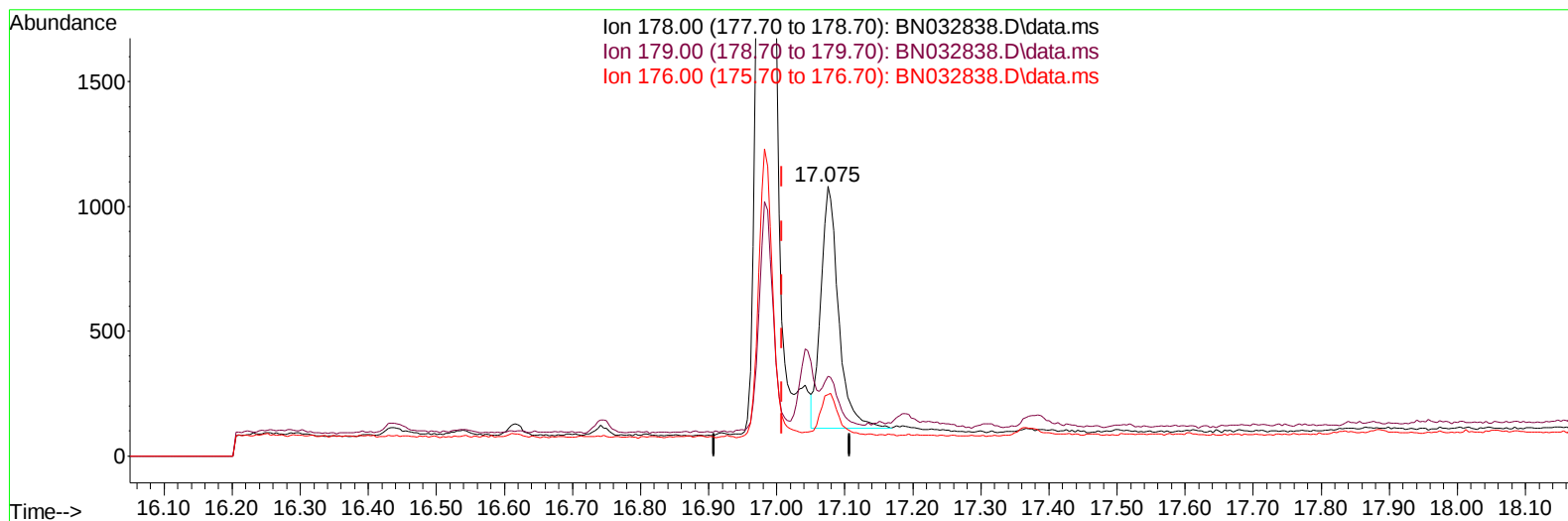
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 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 : Wed Jul 17 02:35:25 2024
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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032838.D\data.ms

(15) Phenanthrene

17.075min (+ 0.068) 0.07 ng/u1

response 1760

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	29.63#
176.00	19.50	22.87
0.00	0.00	0.00

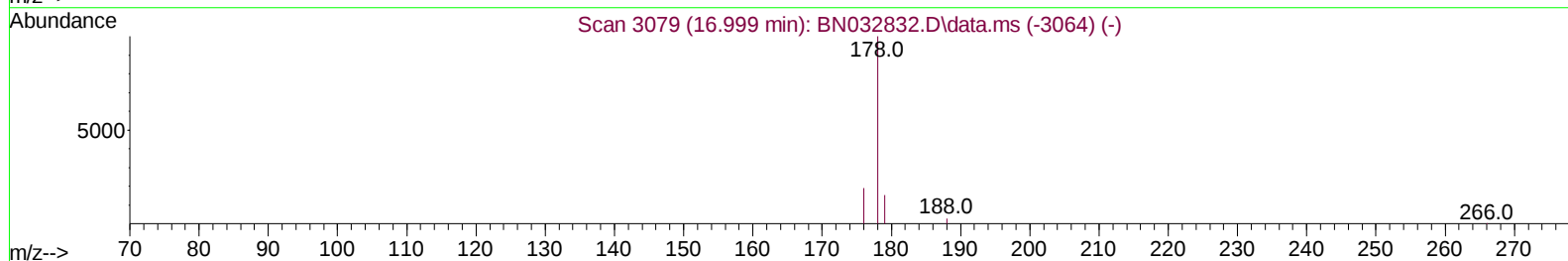
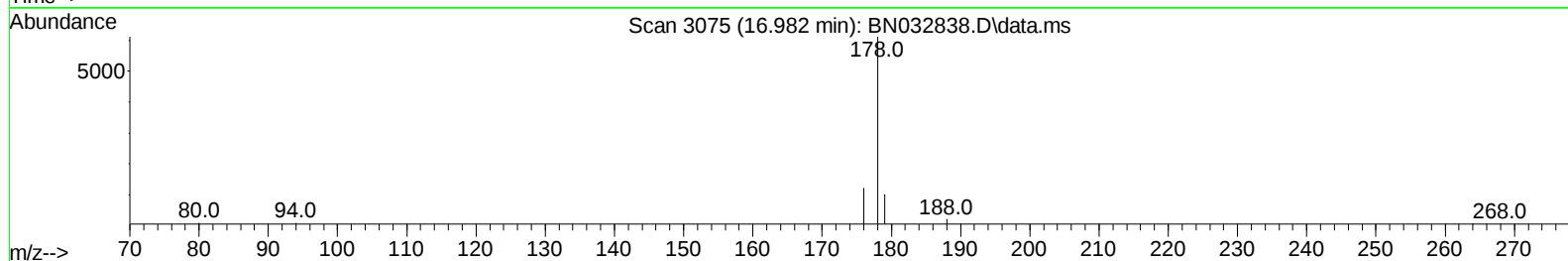
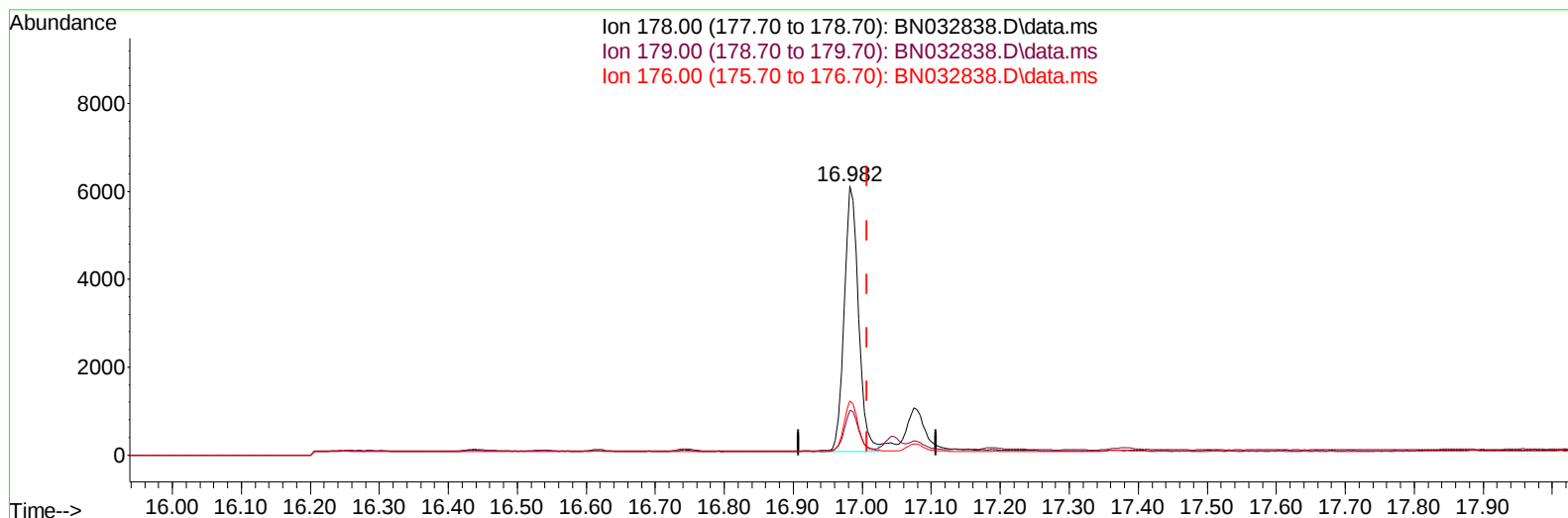
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032838.D\data.ms

(15) Phenanthrene

16.982min (-0.025) 0.35 ng/u1 m

response 8691

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.69
176.00	19.50	20.10
0.00	0.00	0.00

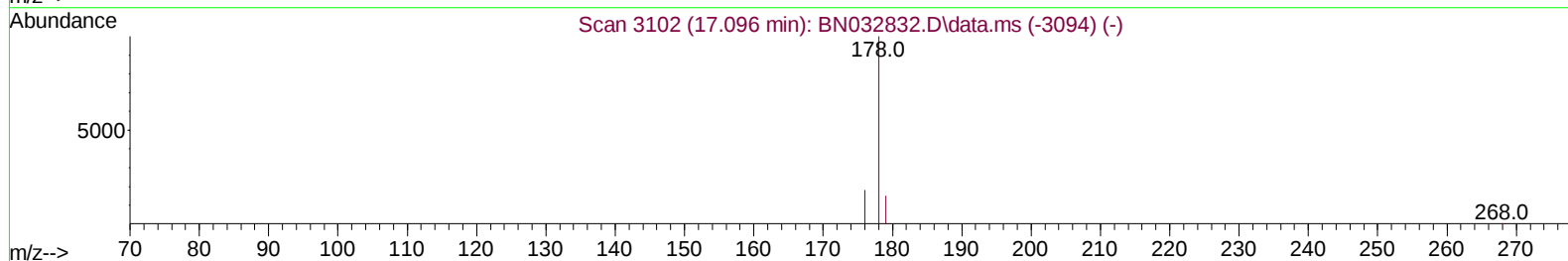
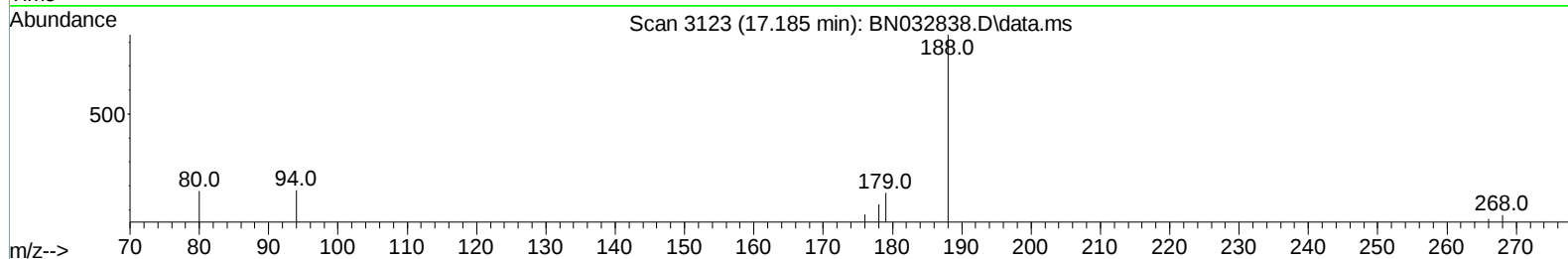
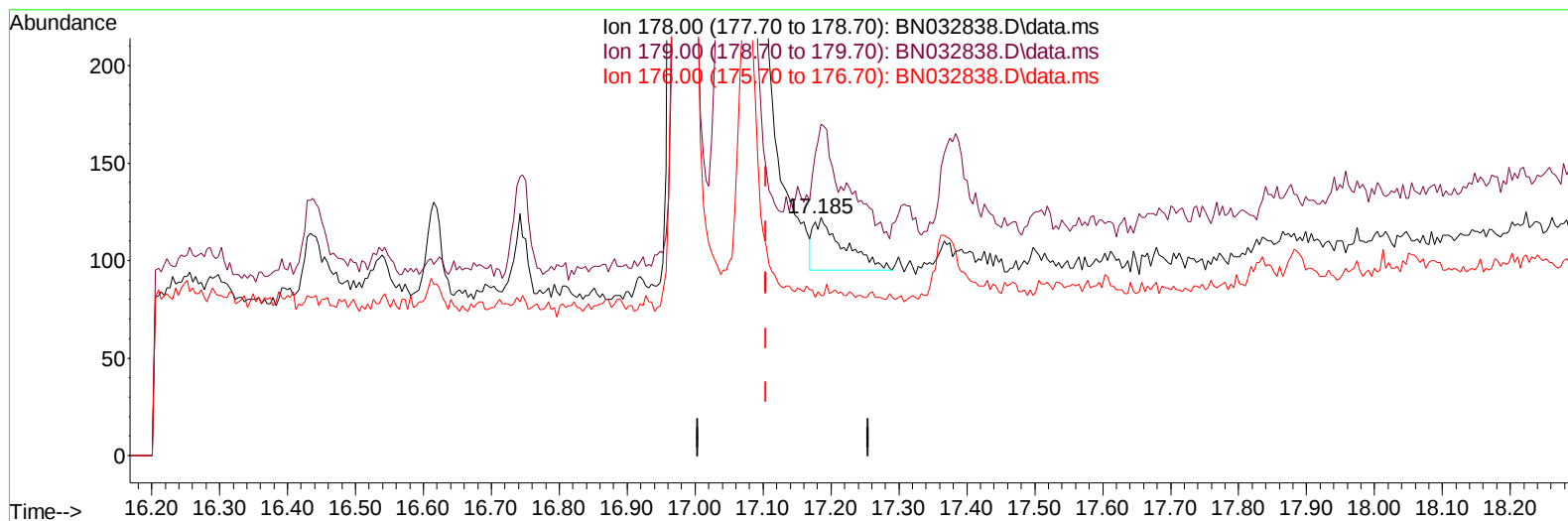
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 2024
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TIC: BN032838.D\data.ms

(16) Anthracene

17.185min (+ 0.080) 0.00 ng/u1

response 85

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	139.34#
176.00	19.20	67.21#
0.00	0.00	0.00

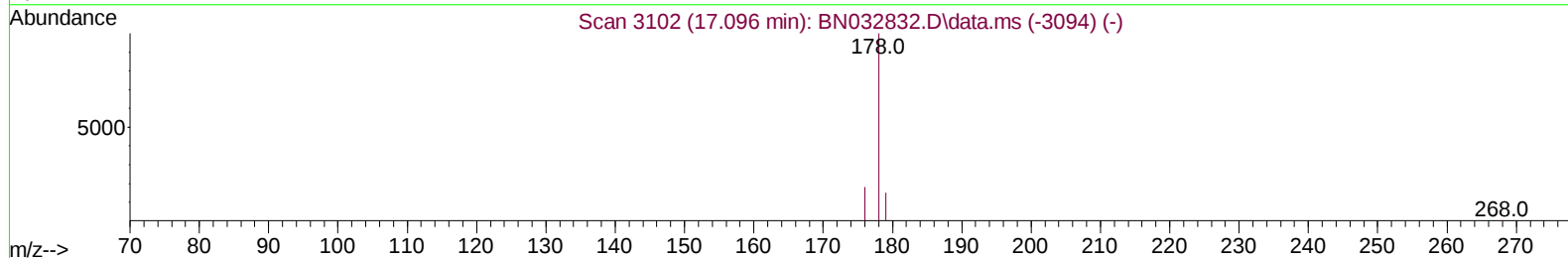
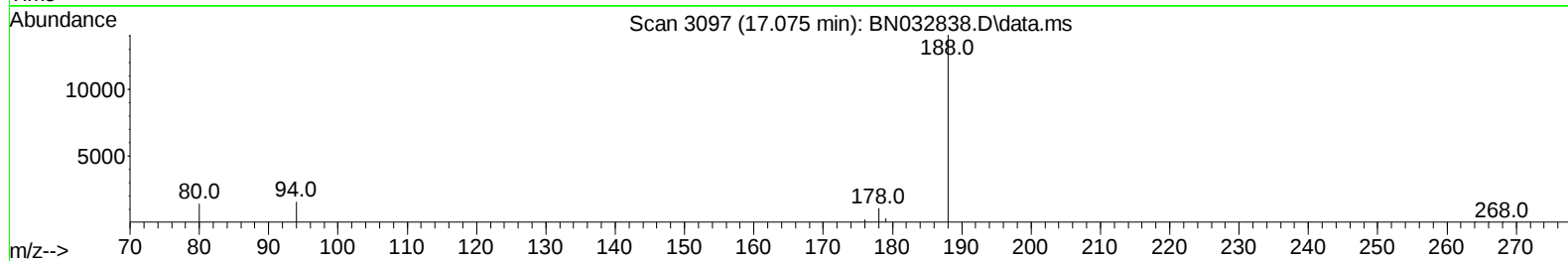
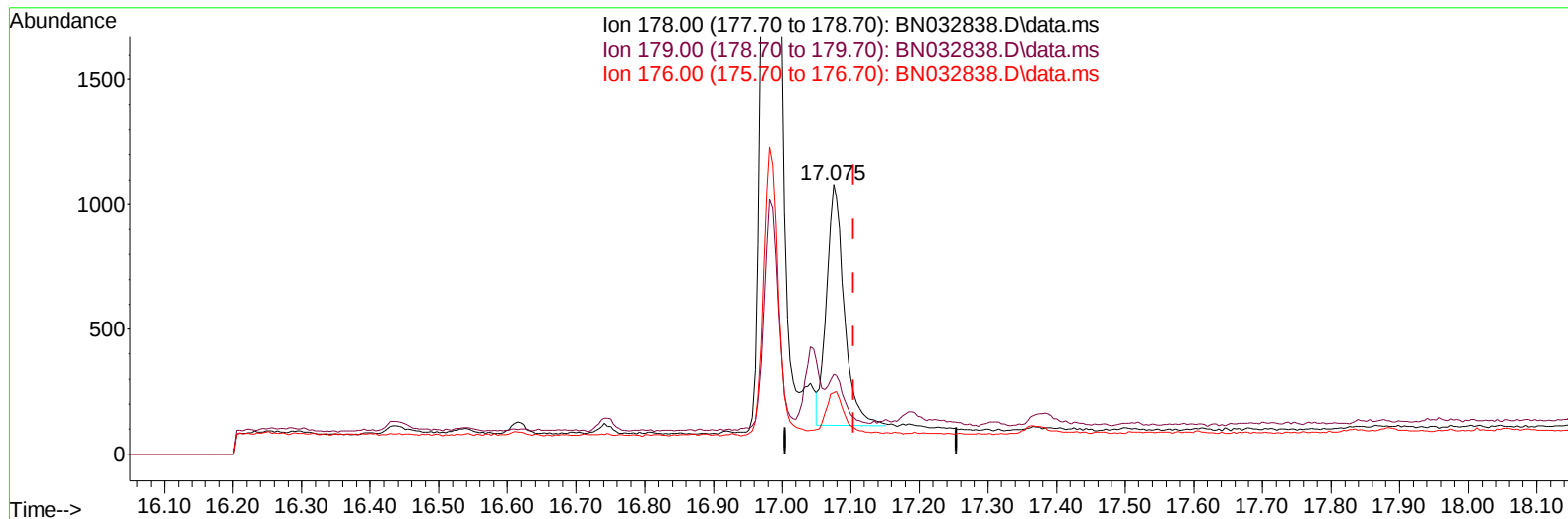
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 13:56:17 2024
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TIC: BN032838.D\data.ms

(16) Anthracene

17.075min (-0.030) 0.08 ng/ul m

response 1727

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	29.63#
176.00	19.20	22.87
0.00	0.00	0.00

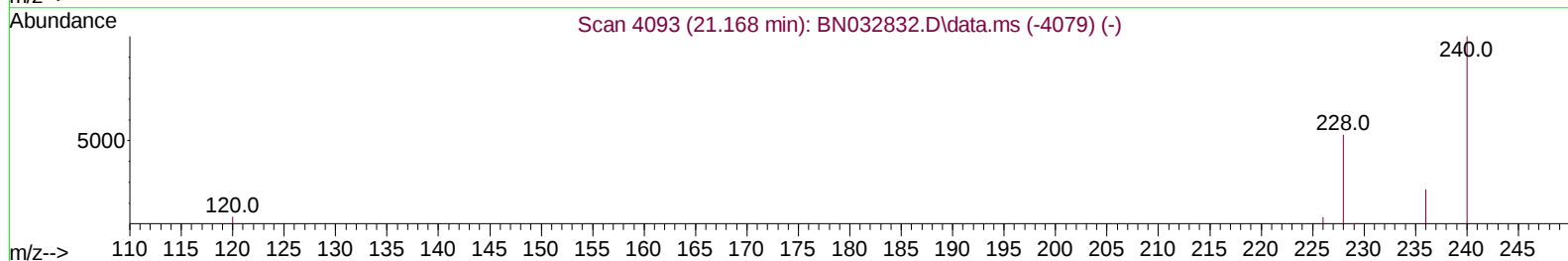
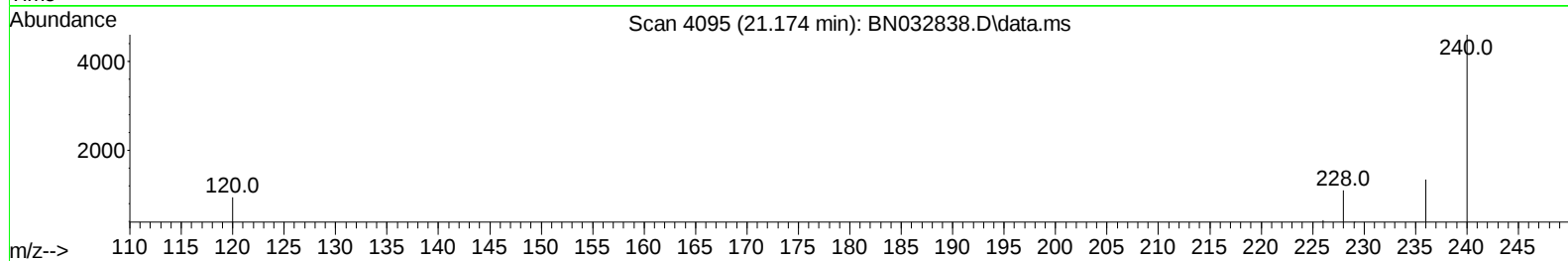
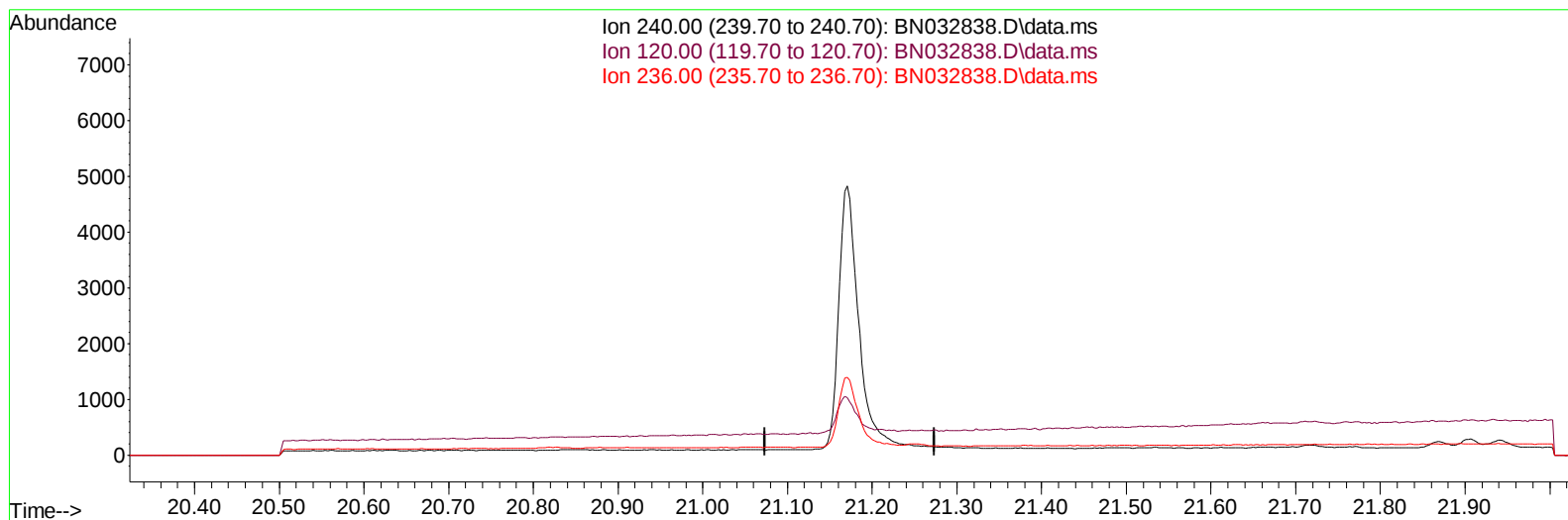
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/20/2024
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Quant Time: Jul 19 13:56:17 2024
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Response via : Initial Calibration



TIC: BN032838.D\data.ms

(17) Chrysene-d12

21.174min (-21.174) 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

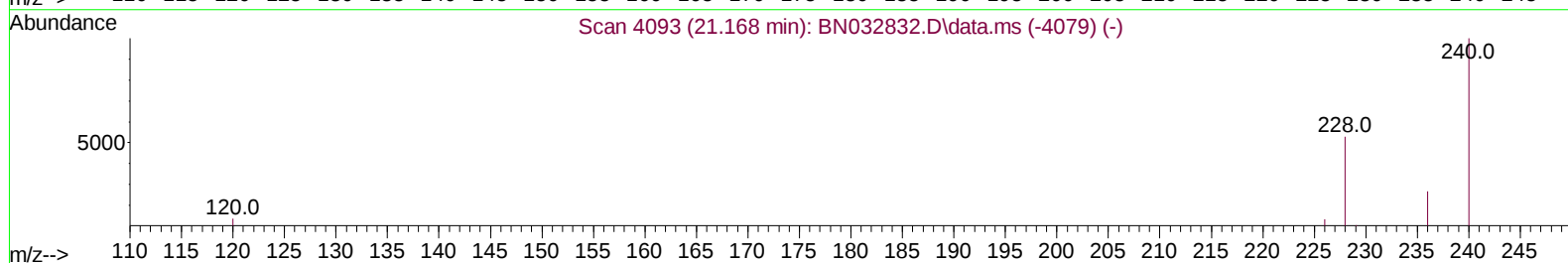
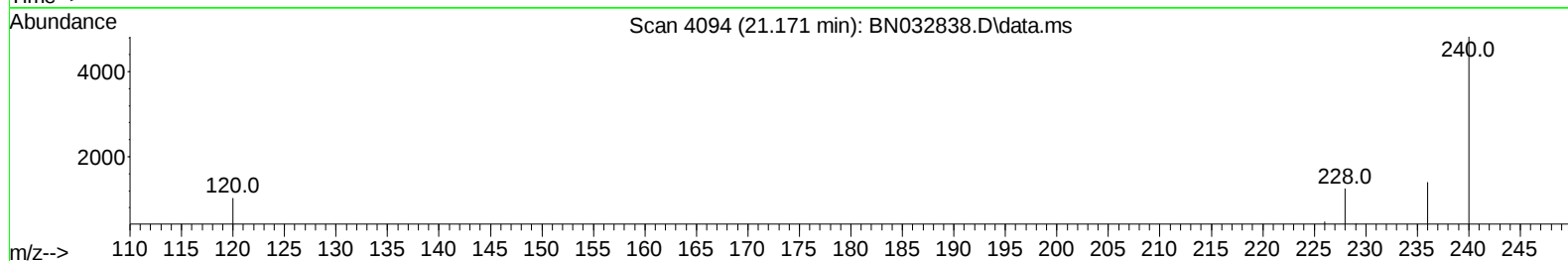
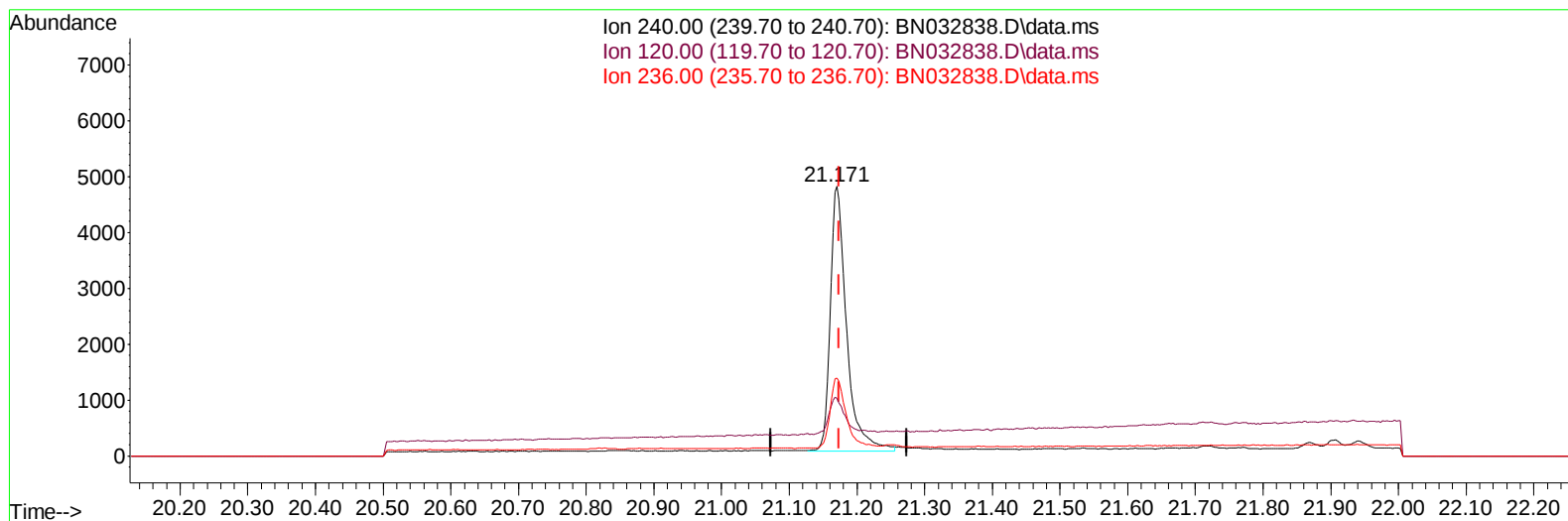
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 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 : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032838.D\data.ms

(17) Chrysene-d12

21.171min (-0.003) 0.40 ng/ul m

response 7890

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	21.46
236.00	28.40	29.02
0.00	0.00	0.00

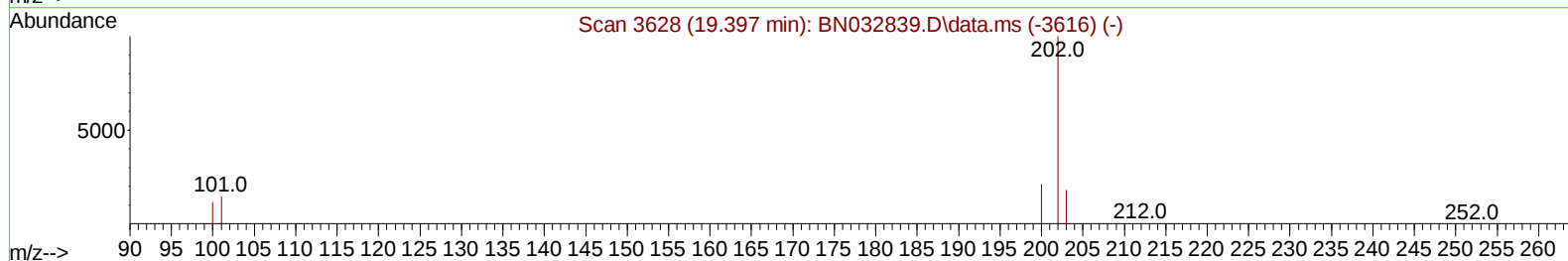
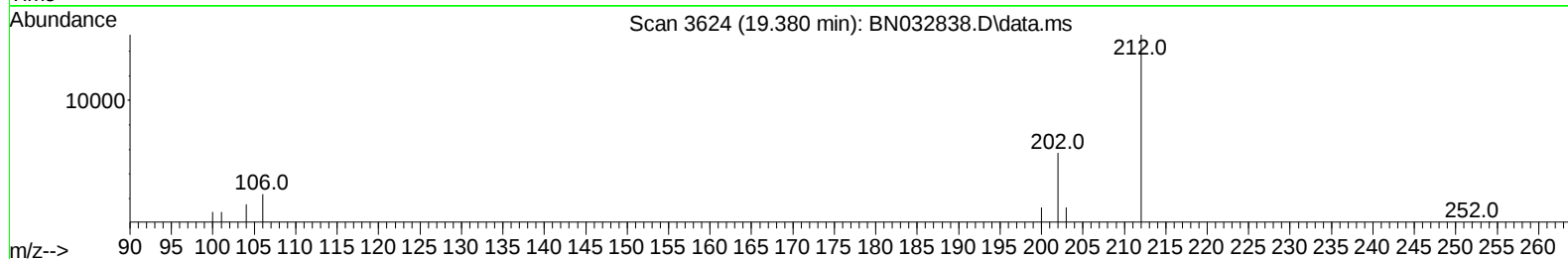
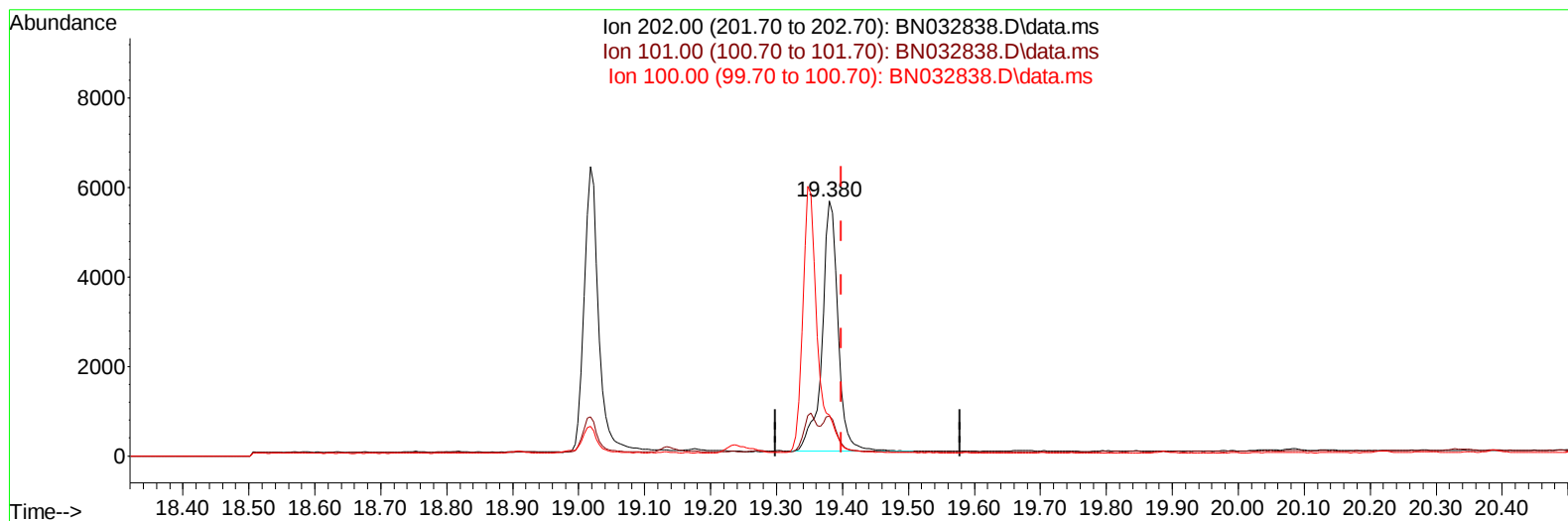
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 13:56:17 2024
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TIC: BN032838.D\data.ms

(20) Pyrene

19.380min (-0.019) 0.29 ng/u1

response 9475

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	15.69
100.00	12.00	16.13#
0.00	0.00	0.00

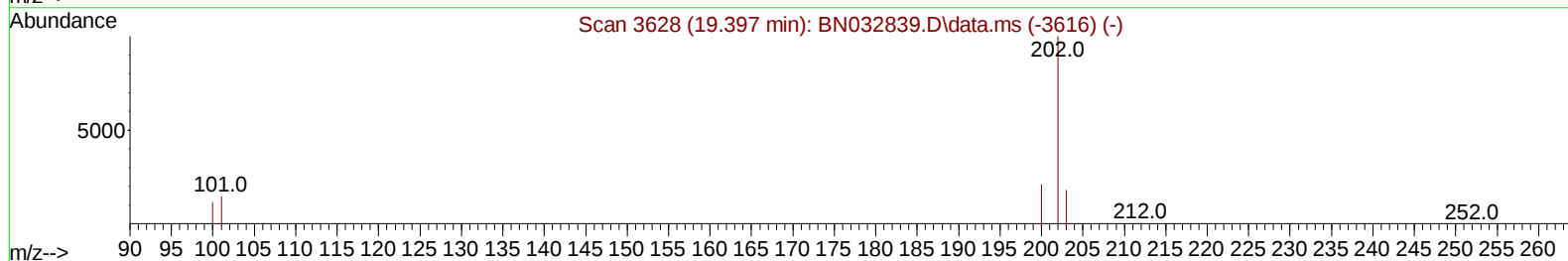
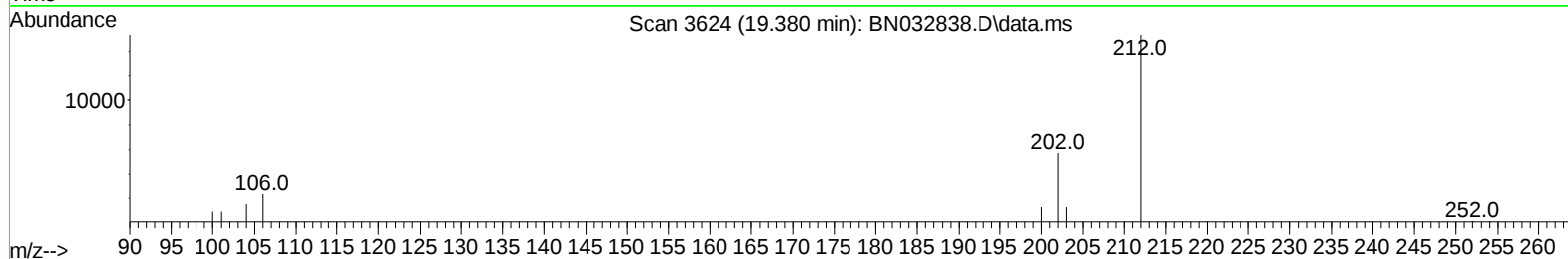
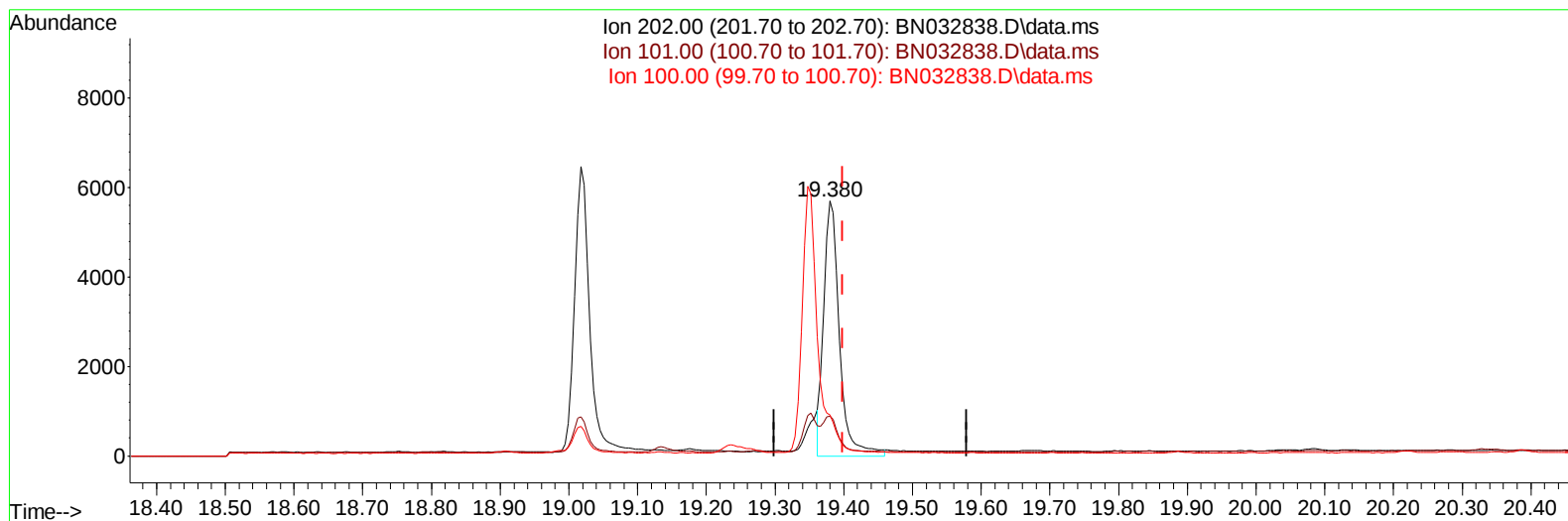
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 2024
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TIC: BN032838.D\data.ms

(20) Pyrene

19.380min (-0.019) 0.27 ng/u1 m

response 9107

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	15.69
100.00	12.00	16.13#
0.00	0.00	0.00

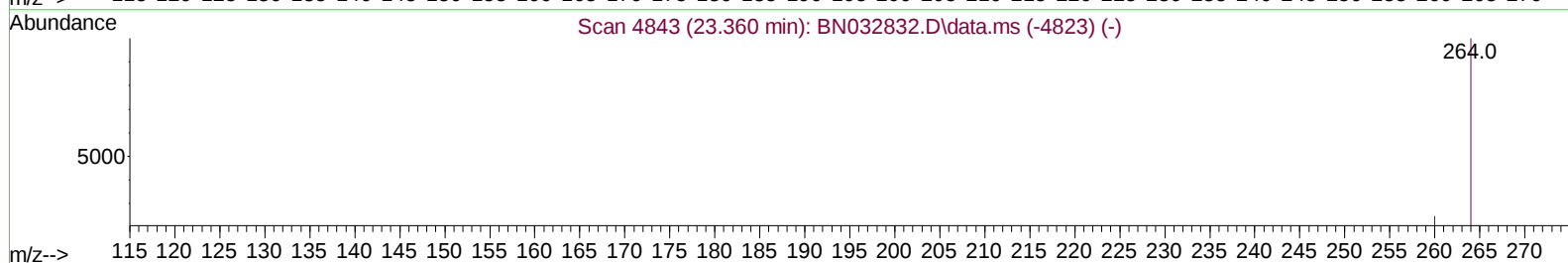
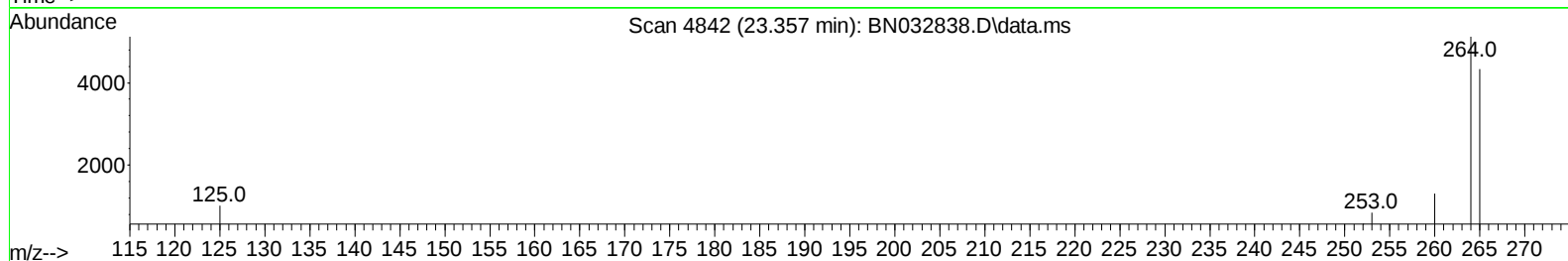
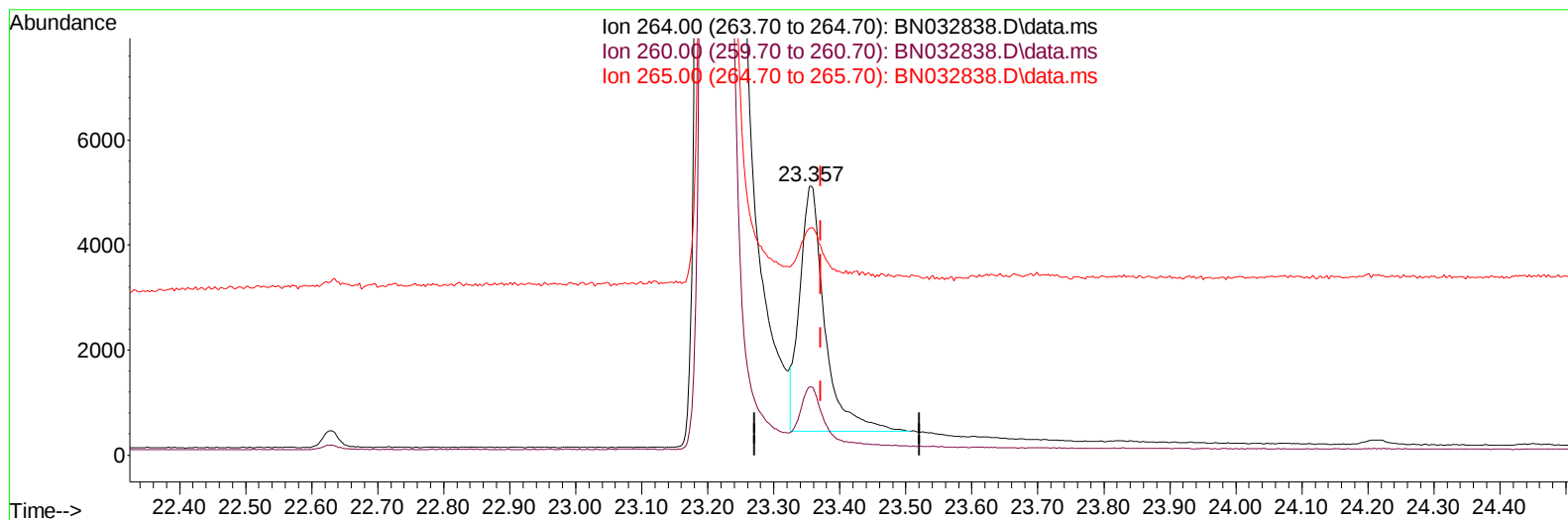
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
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Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

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TIC: BN032838.D\data.ms

(23) Perylene-d12 (I)

23.357min (-0.015) 0.40 ng/u1

response 12334

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	25.33
265.00	95.50	84.65
0.00	0.00	0.00

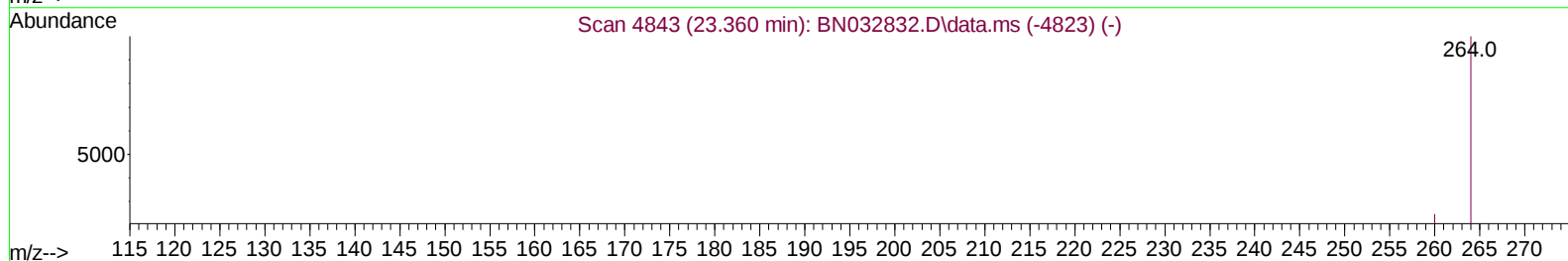
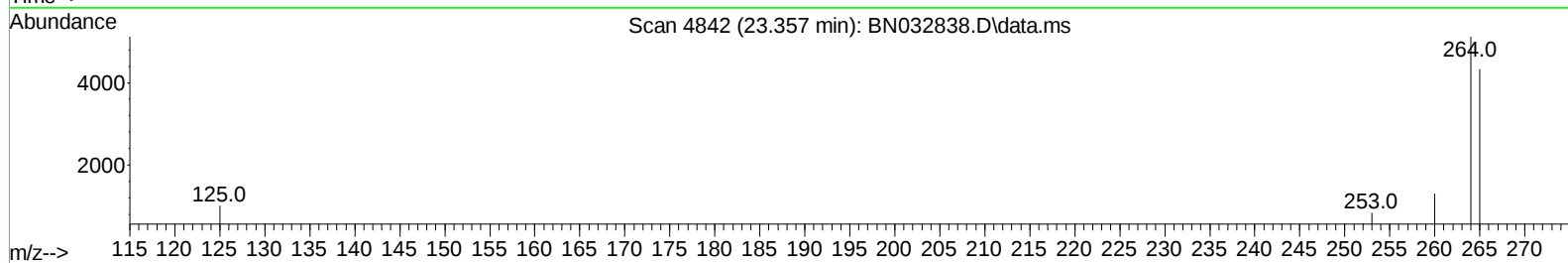
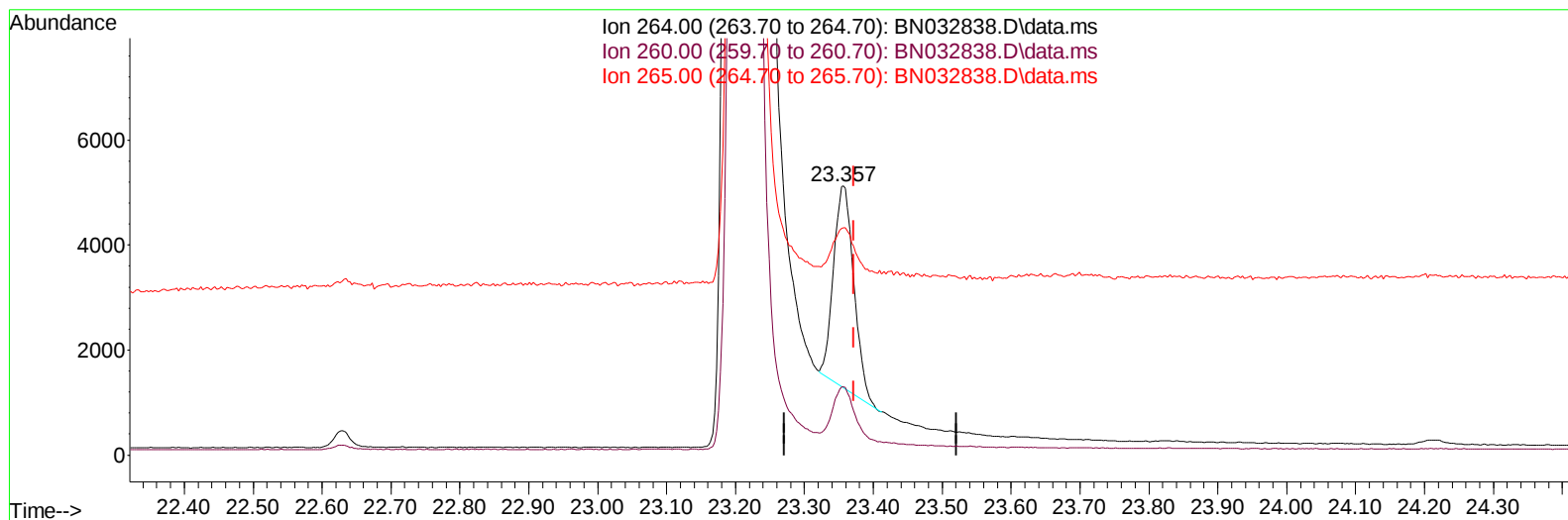
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
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Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

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TIC: BN032838.D\data.ms

(23) Perylene-d12 (I)

23.357min (-0.015) 0.40 ng/u1 m

response 7781

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	25.33
265.00	95.50	84.65
0.00	0.00	0.00

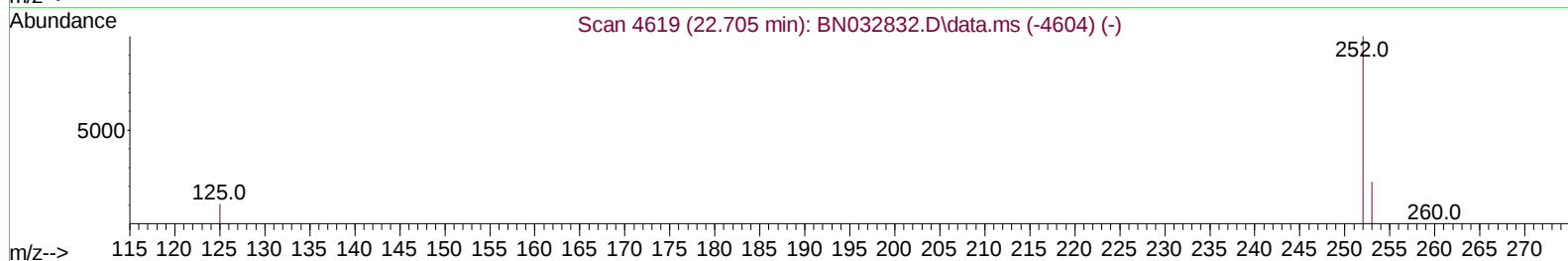
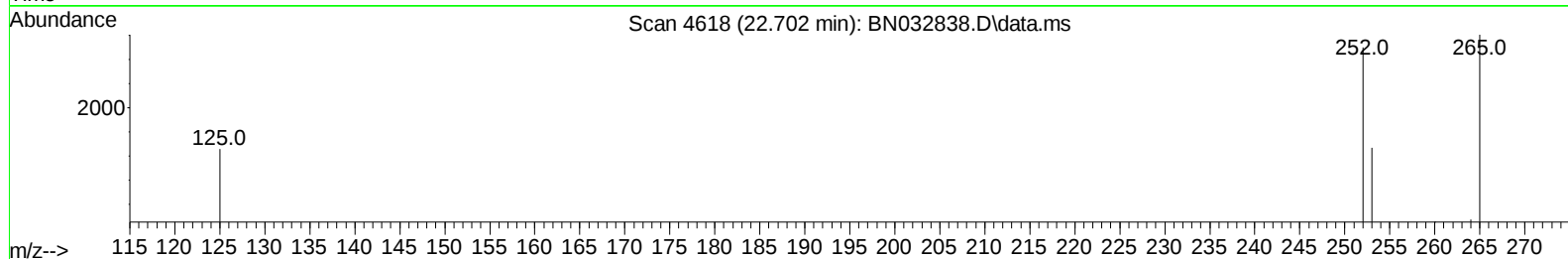
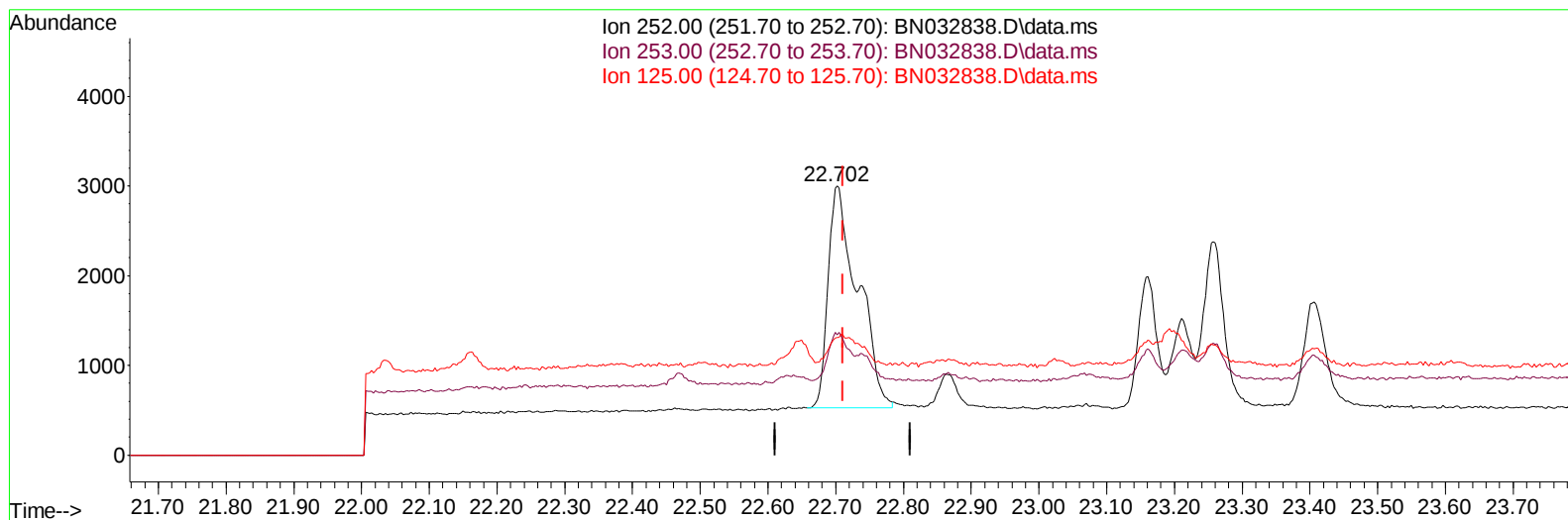
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
Acq On : 19 Jul 2024 13:23
Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

Manual IntegrationsAPPROVED

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TIC: BN032838.D\data.ms

(24) Benzo(b)fluoranthene

22.702min (-0.009) 0.27 ng/u1

response 7535

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	44.58
125.00	18.00	43.81#
0.00	0.00	0.00

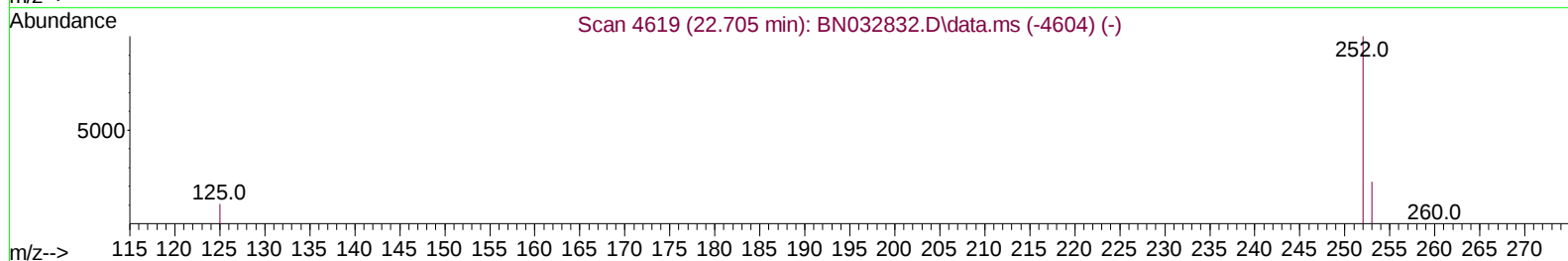
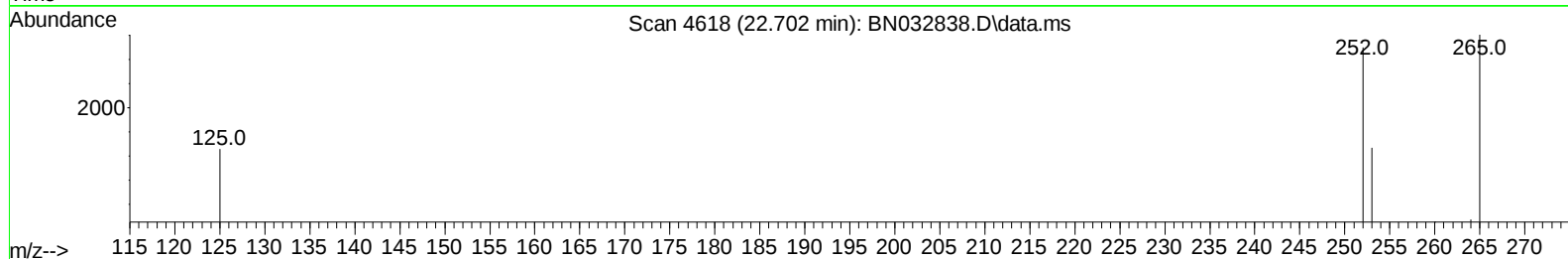
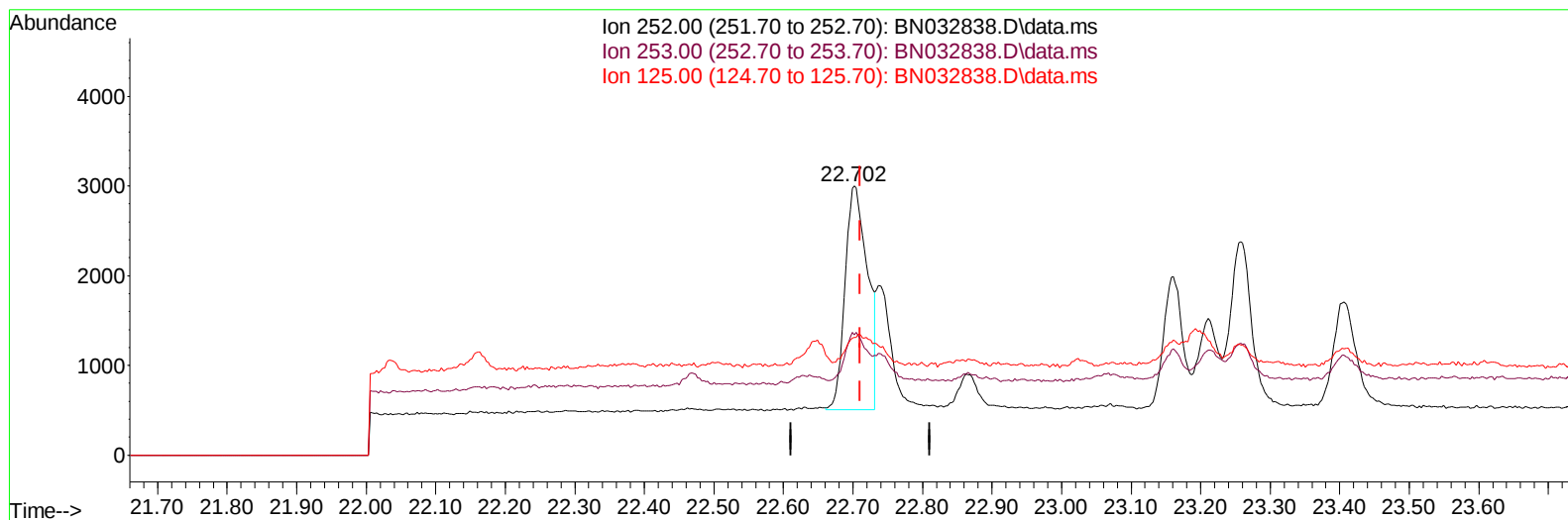
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032838.D
 Acq On : 19 Jul 2024 13:23
 Operator : MA/JU
 Sample : P3178-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BT2

Manual IntegrationsAPPROVED

Quant Time: Jul 19 13:56:17 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 : Wed Jul 17 02:35:25 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024



TIC: BN032838.D\data.ms

(24) Benzo(b)fluoranthene

22.702min (-0.009) 0.20 ng/ul m

response 5616

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	44.58
125.00	18.00	43.81#
0.00	0.00	0.00

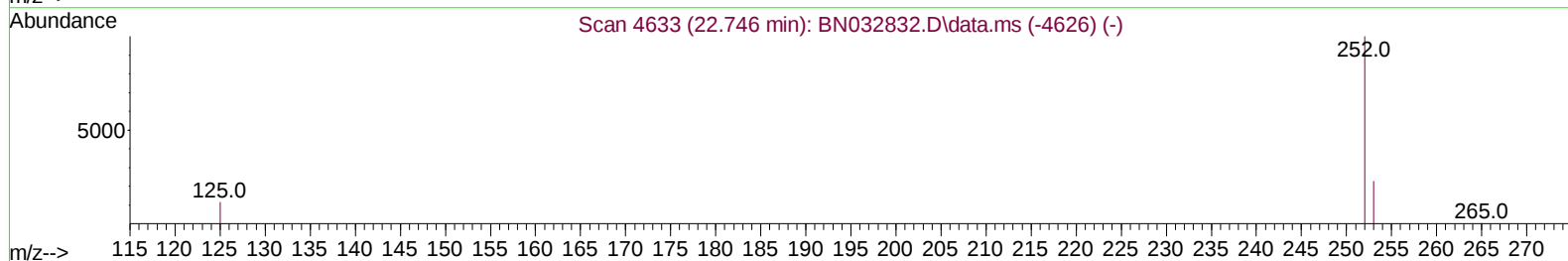
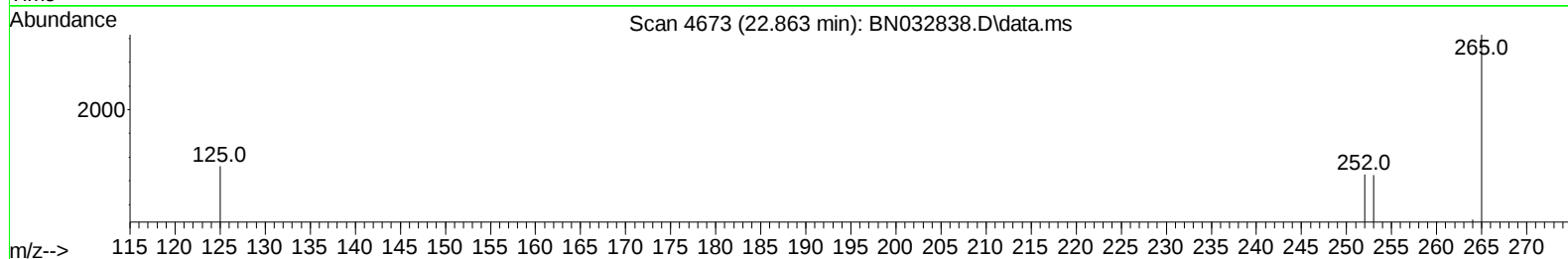
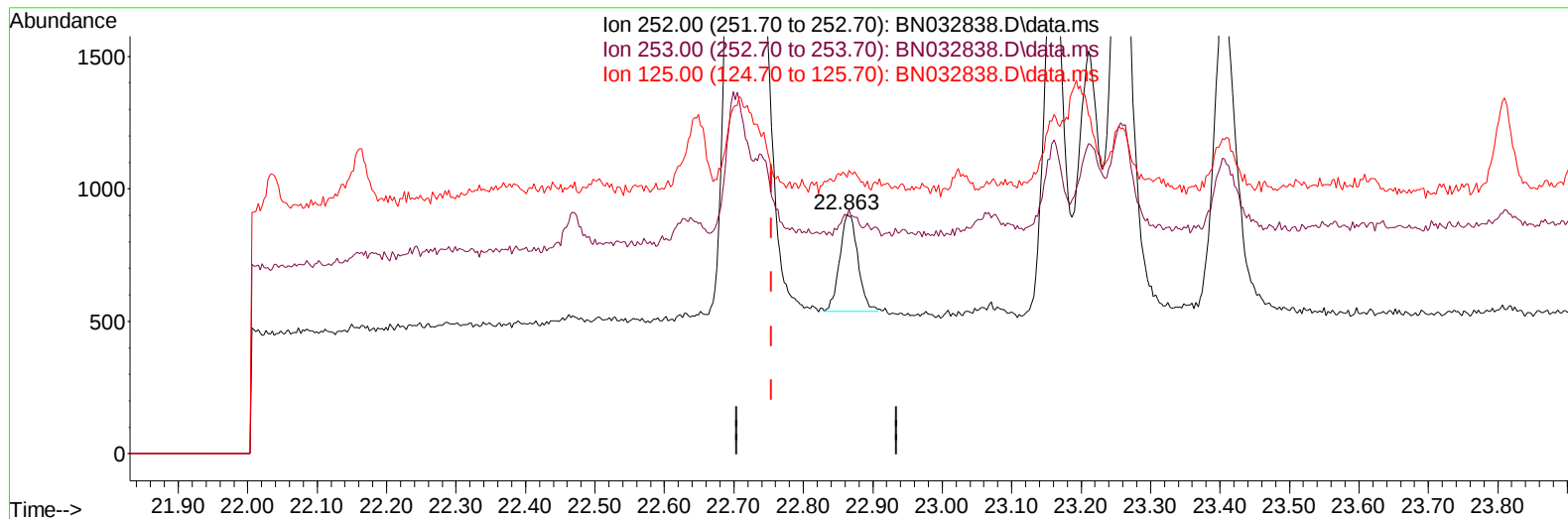
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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TIC: BN032838.D\data.ms

(25) Benzo(k)fluoranthene

22.863min (+ 0.108) 0.02 ng/u1

response 668

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	99.12#
125.00	18.50	115.23#
0.00	0.00	0.00

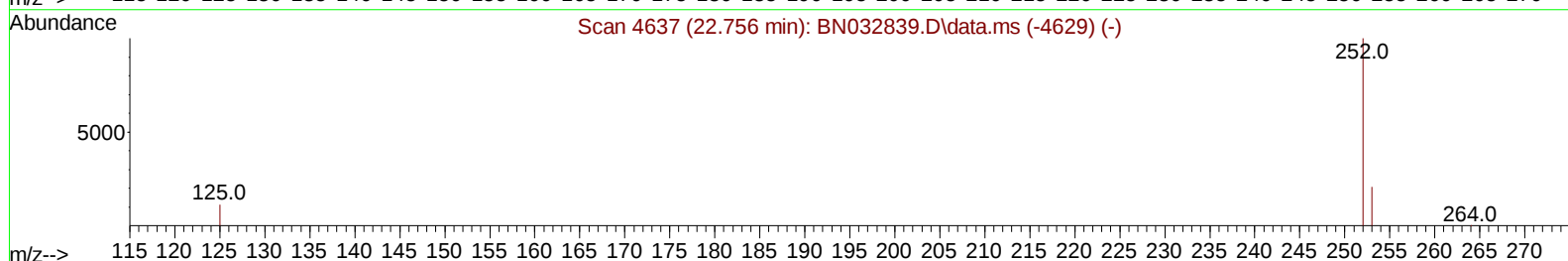
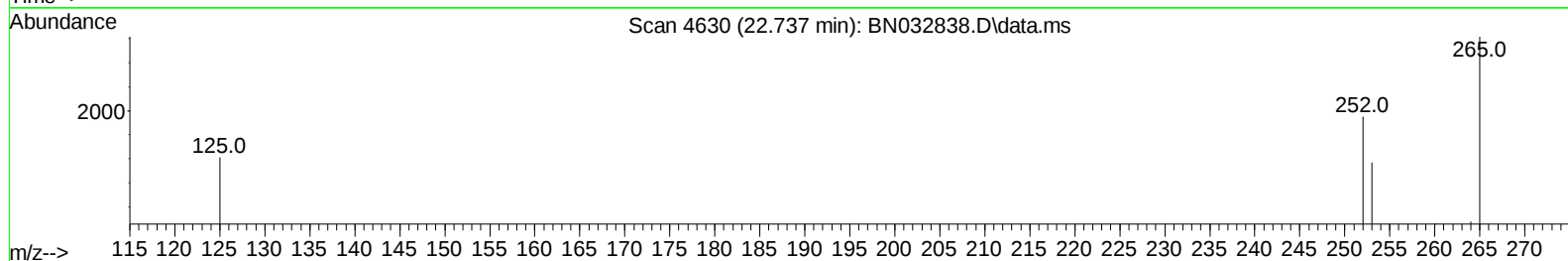
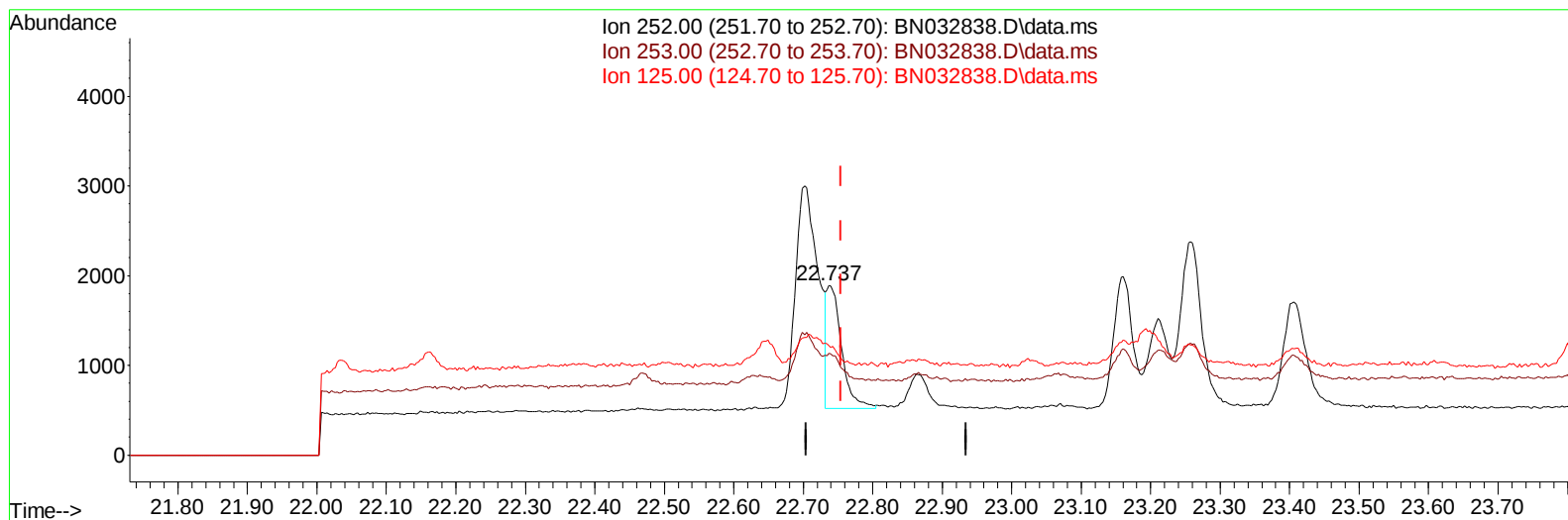
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032838.D
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Operator : MA/JU
Sample : P3178-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT2

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TIC: BN032838.D\data.ms

(25) Benzo(k)fluoranthene

22.737min (-0.018) 0.06 ng/u1 m

response 2063

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	59.74#
125.00	18.50	64.27#
0.00	0.00	0.00

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 Sample : P3178-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.532	152		3052	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.299	136		9285	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.184	164		4957	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.944	188		9178m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.171	240		7890m	0.400	ng/ul	0.00
23) Perylene-d12	23.357	264		7781m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.089	96		12510	3.414	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.911	152		2944	0.210	ng/ul	-0.02
18) Fluoranthene-d10	18.985	212		5474	0.213	ng/ul	-0.02
Target Compounds							Qvalue
5) Naphthalene	10.349	128		879	0.035	ng/ul#	76
11) Acenaphthene	14.244	153		718	0.043	ng/ul	95
12) Fluorene	15.243	166		839	0.044	ng/ul#	97
15) Phenanthrene	16.982	178		8691m	0.348	ng/ul	
16) Anthracene	17.075	178		1727m	0.085	ng/ul	
19) Fluoranthene	19.018	202		9942	0.310	ng/ul	98
20) Pyrene	19.380	202		9107m	0.274	ng/ul	
21) Benzo(a)anthracene	21.156	228		4240	0.169	ng/ul#	88
22) Chrysene	21.206	228		4018	0.111	ng/ul#	91
24) Benzo(b)fluoranthene	22.702	252		5616m	0.205	ng/ul	
25) Benzo(k)fluoranthene	22.737	252		2063m	0.062	ng/ul	
26) Benzo(a)pyrene	23.257	252		3819	0.161	ng/ul#	57
27) Indeno(1,2,3-cd)pyrene	25.586	276		2696	0.084	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.579	278		653	0.026	ng/ul#	1
29) Benzo(g,h,i)perylene	26.263	276		2661	0.099	ng/ul#	65

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

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