

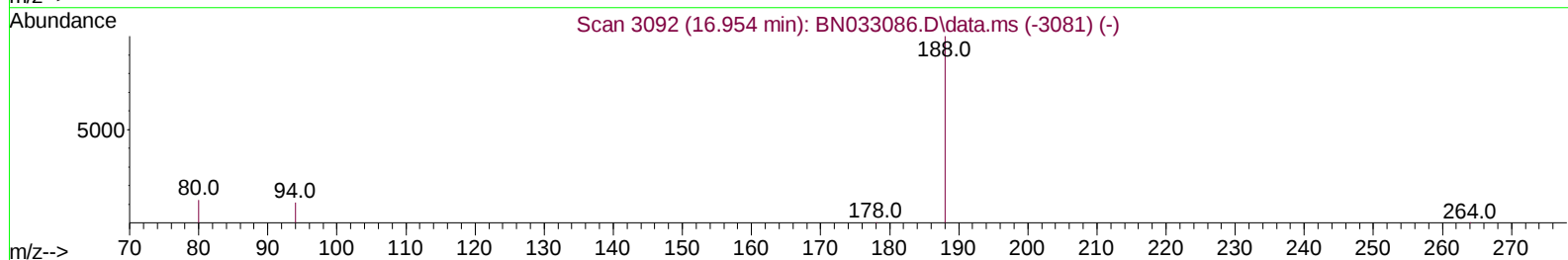
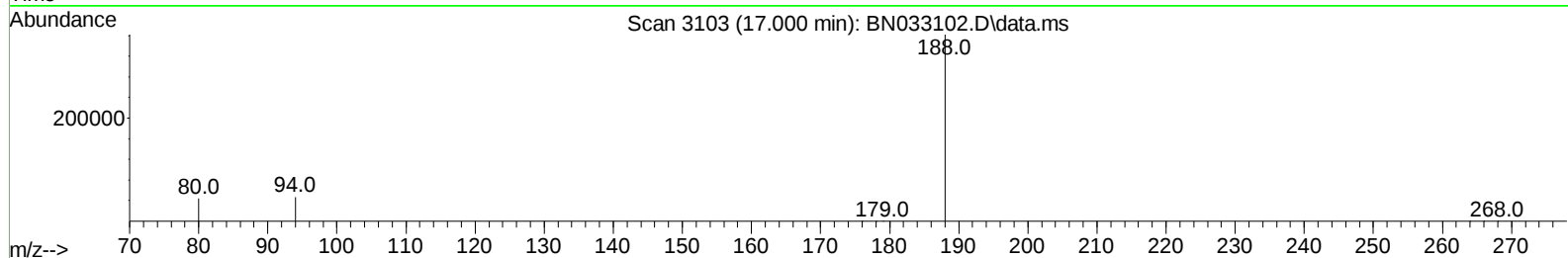
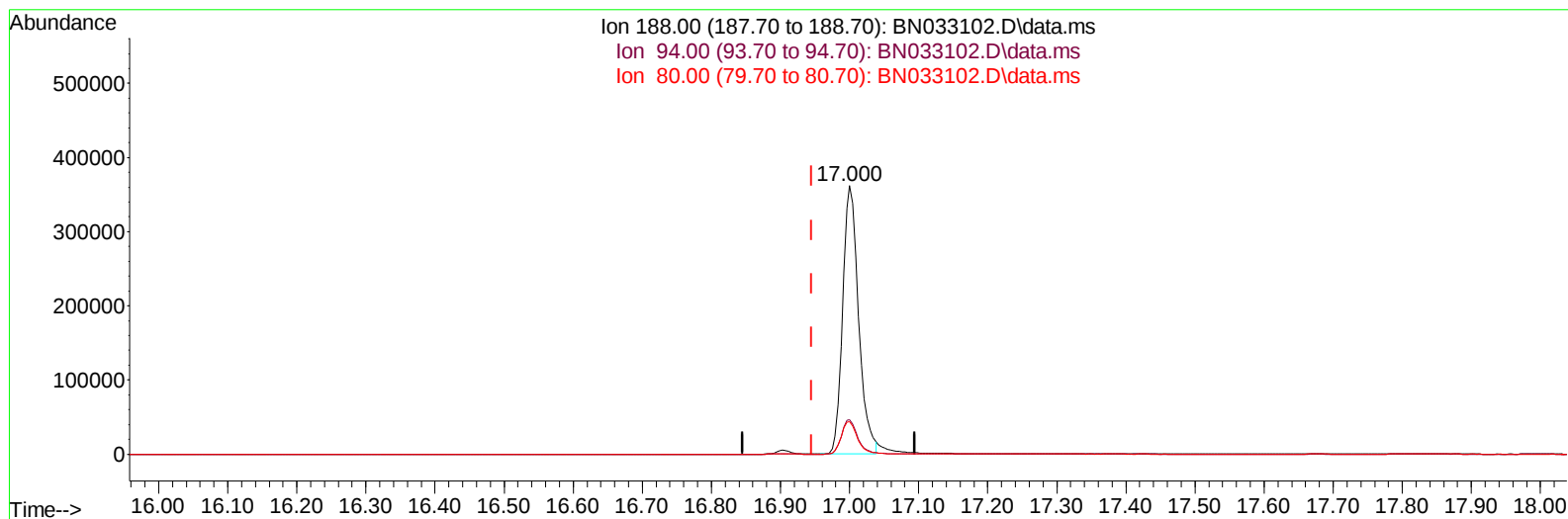
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(13) Phenanthrene-d10 (I)

17.000min (+ 0.055) 0.40 ng/u1

response 579194

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.98
80.00	13.10	12.16
0.00	0.00	0.00

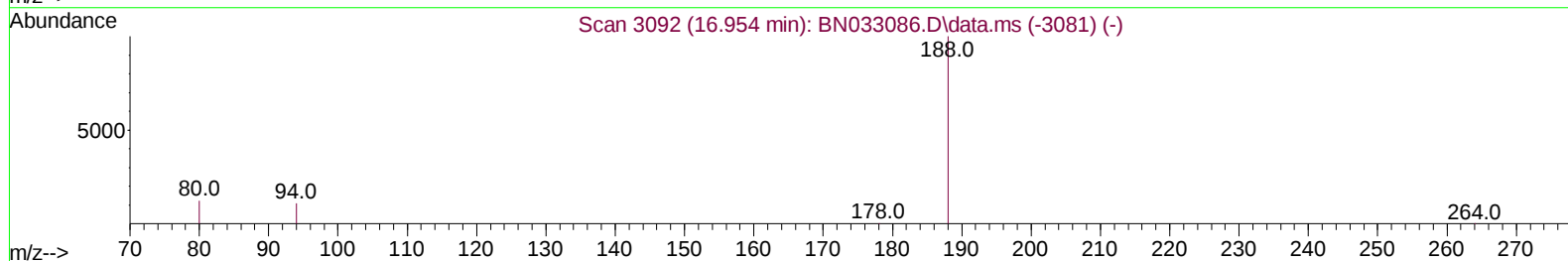
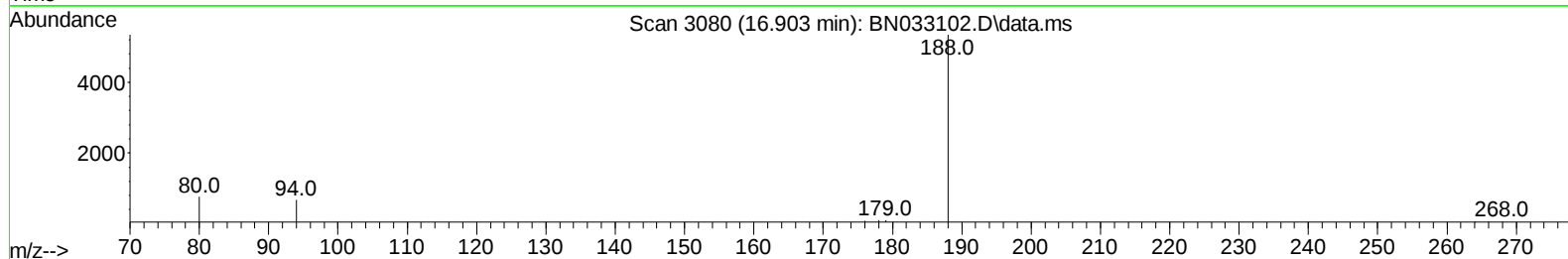
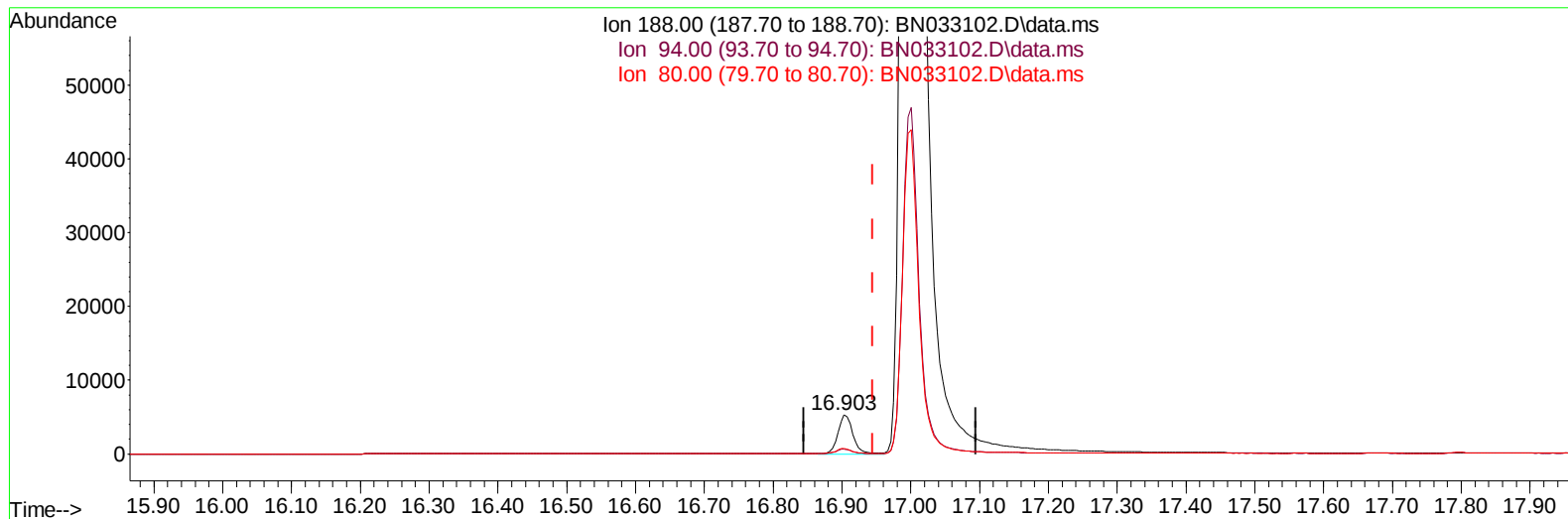
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(13) Phenanthrene-d10 (I)

16.903min (-0.042) 0.40 ng/ul m

response 8007

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.58
80.00	13.10	14.32
0.00	0.00	0.00

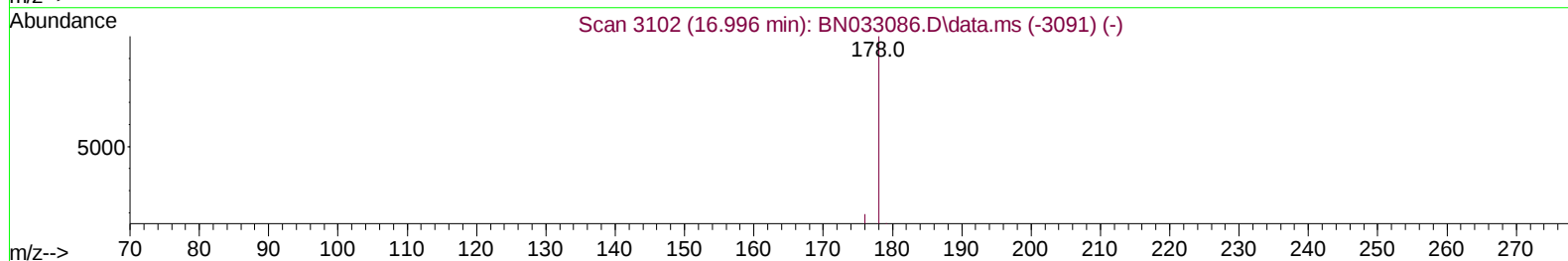
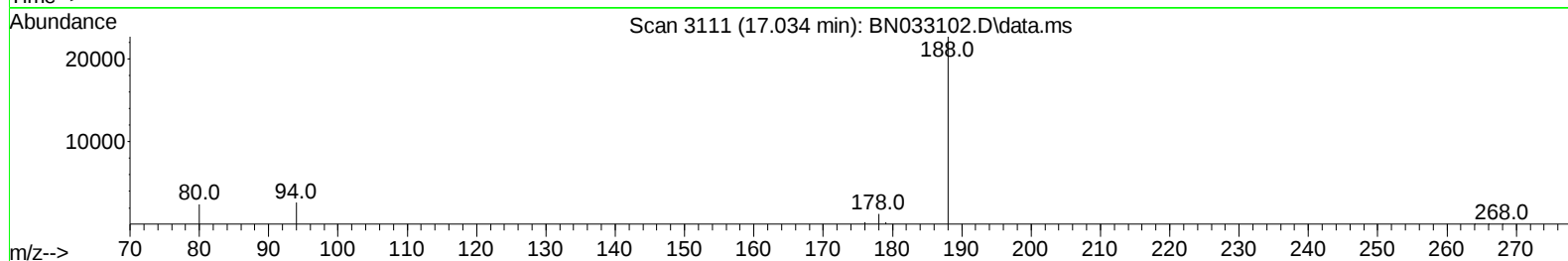
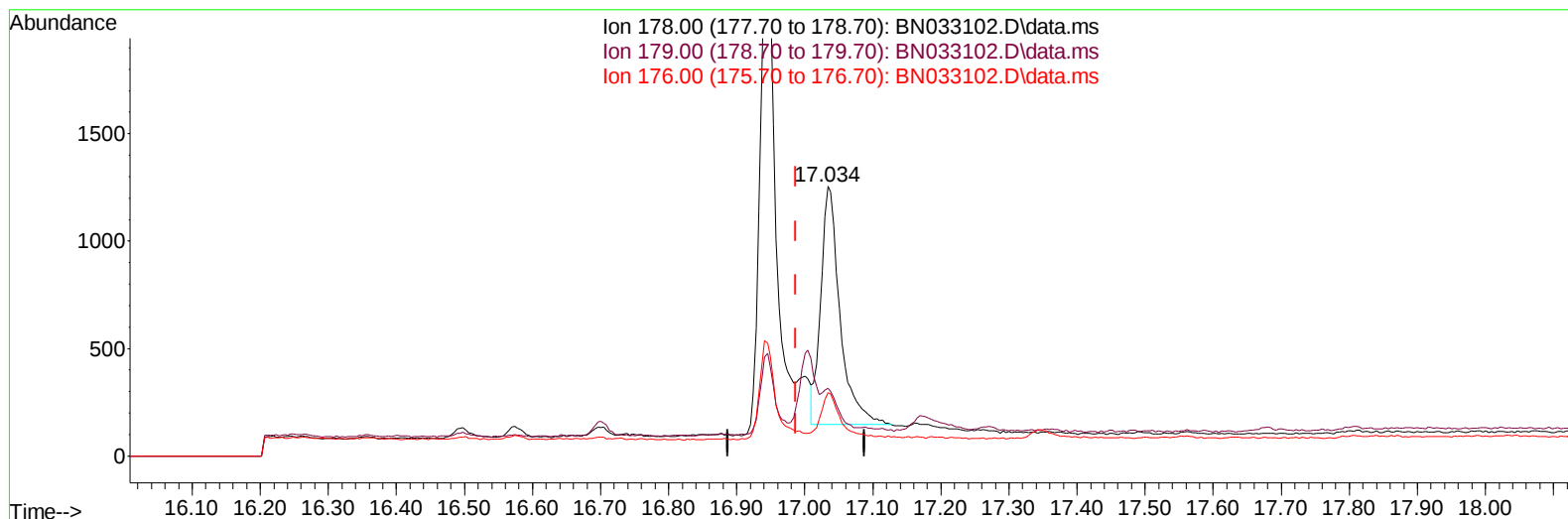
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(15) Phenanthrene

17.034min (+ 0.047) 0.10 ng/u1

response 2193

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	25.20#
176.00	19.90	23.60
0.00	0.00	0.00

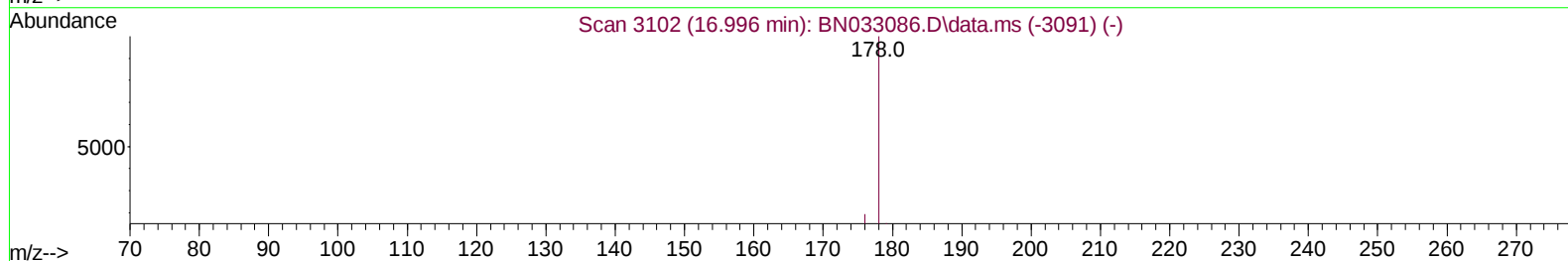
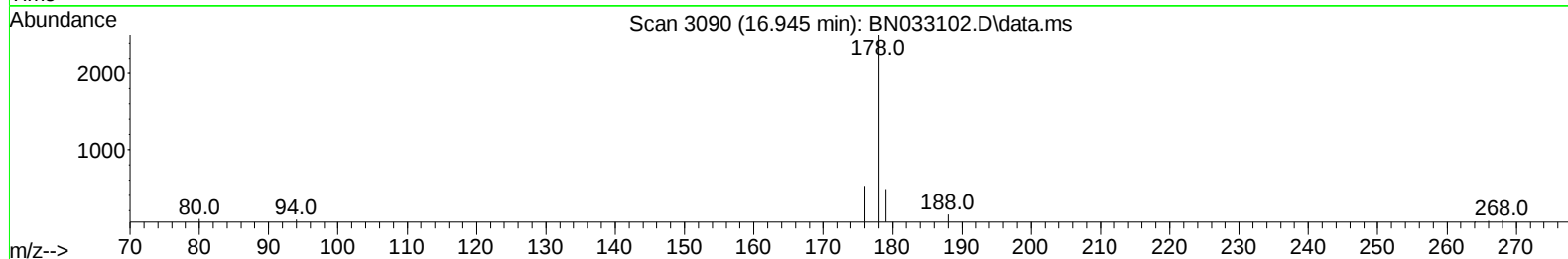
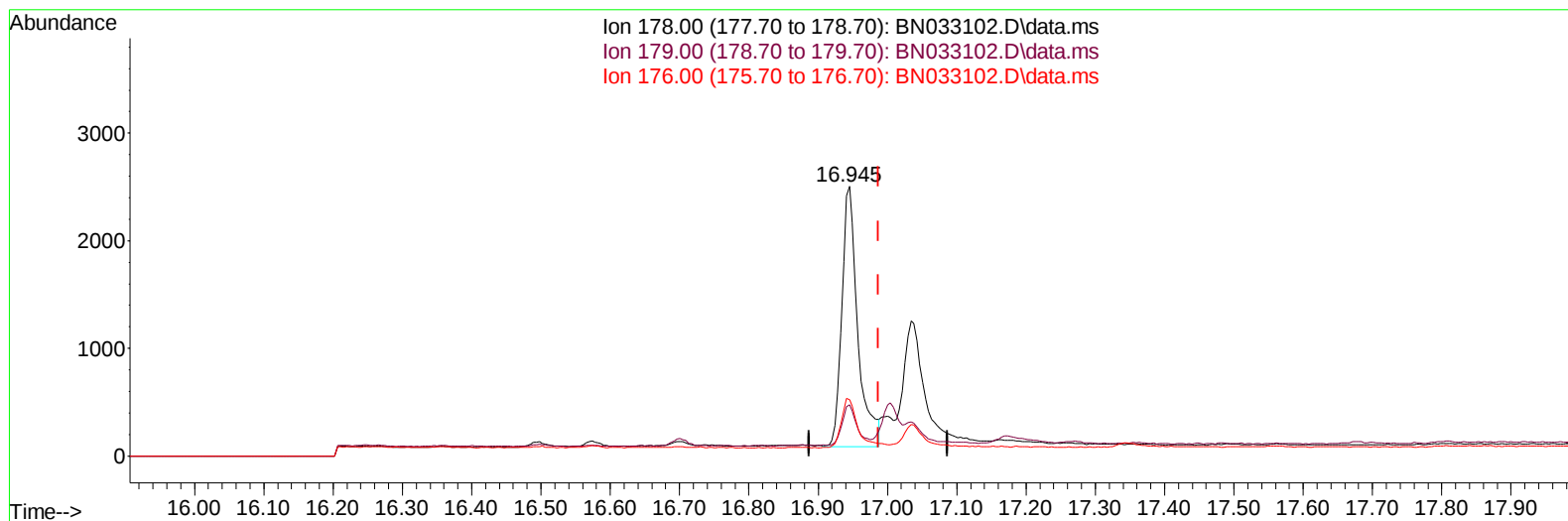
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(15) Phenanthrene

16.945min (-0.042) 0.18 ng/ul m

response 3872

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	19.09
176.00	19.90	20.97
0.00	0.00	0.00

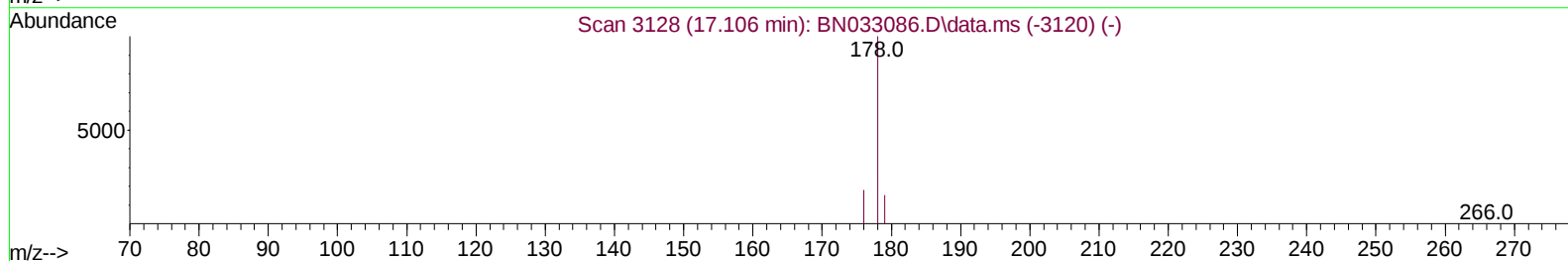
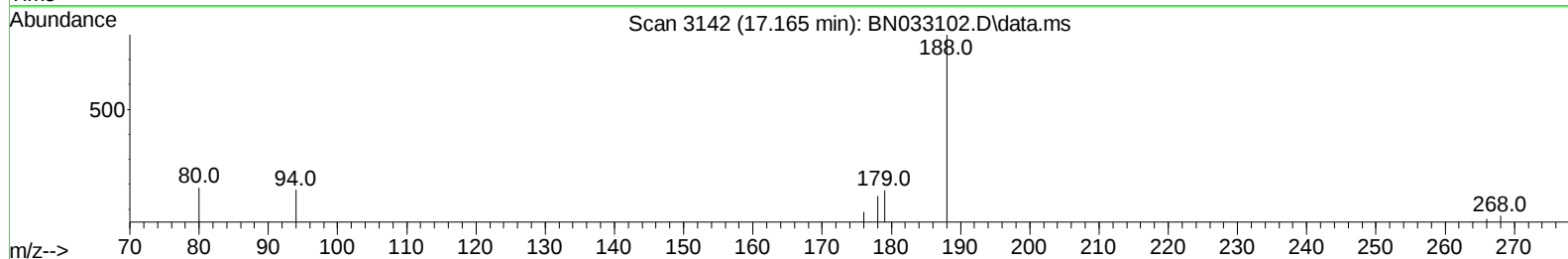
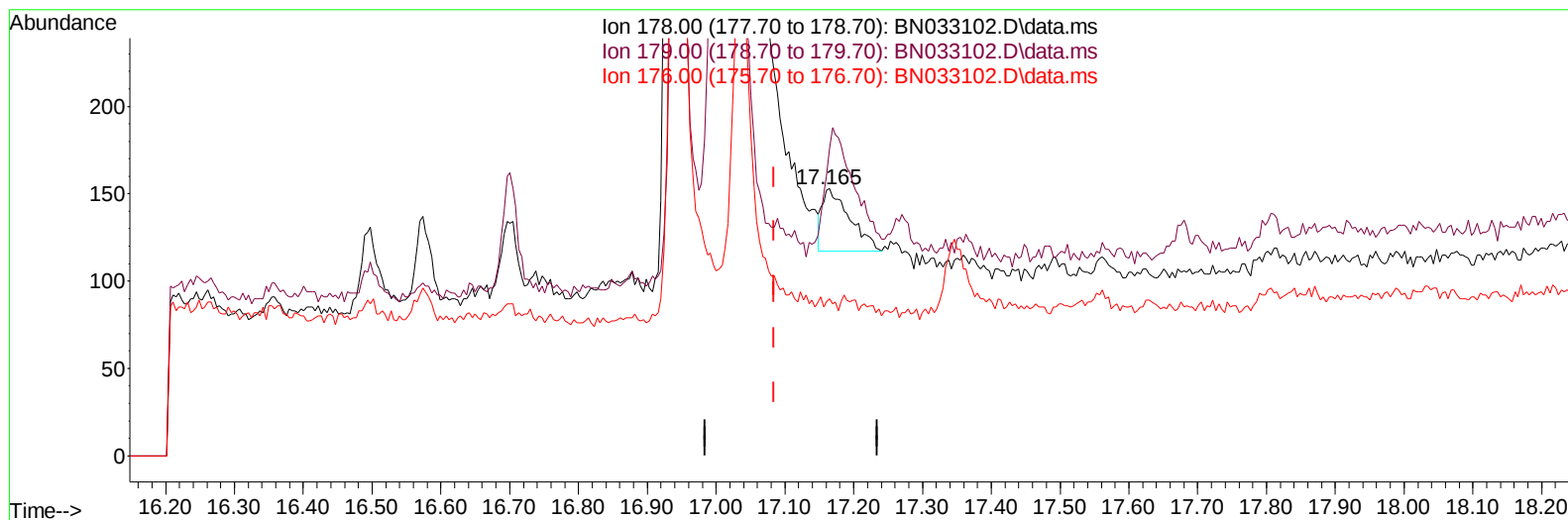
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
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Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(16) Anthracene

17.165min (+ 0.080) 0.01 ng/u1

response 101

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	115.03#
176.00	19.80	58.82#
0.00	0.00	0.00

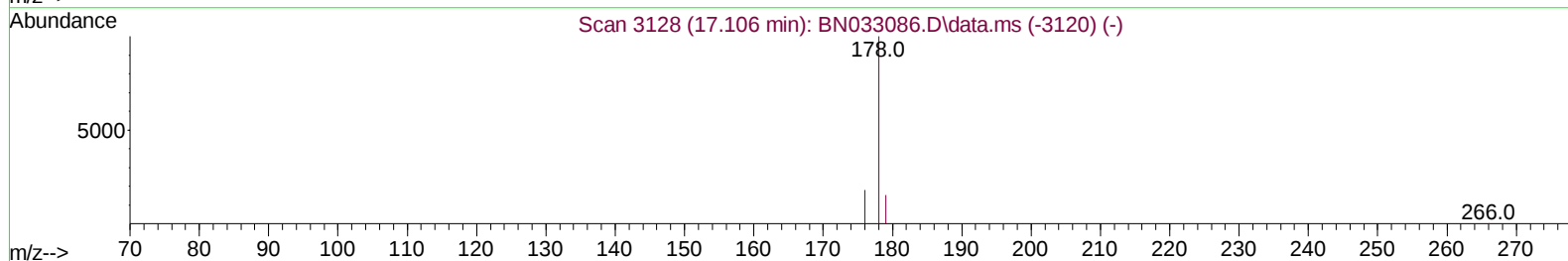
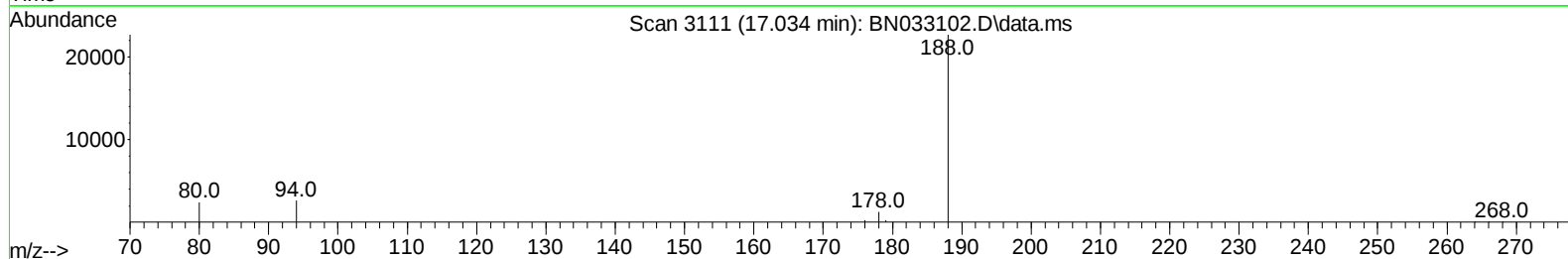
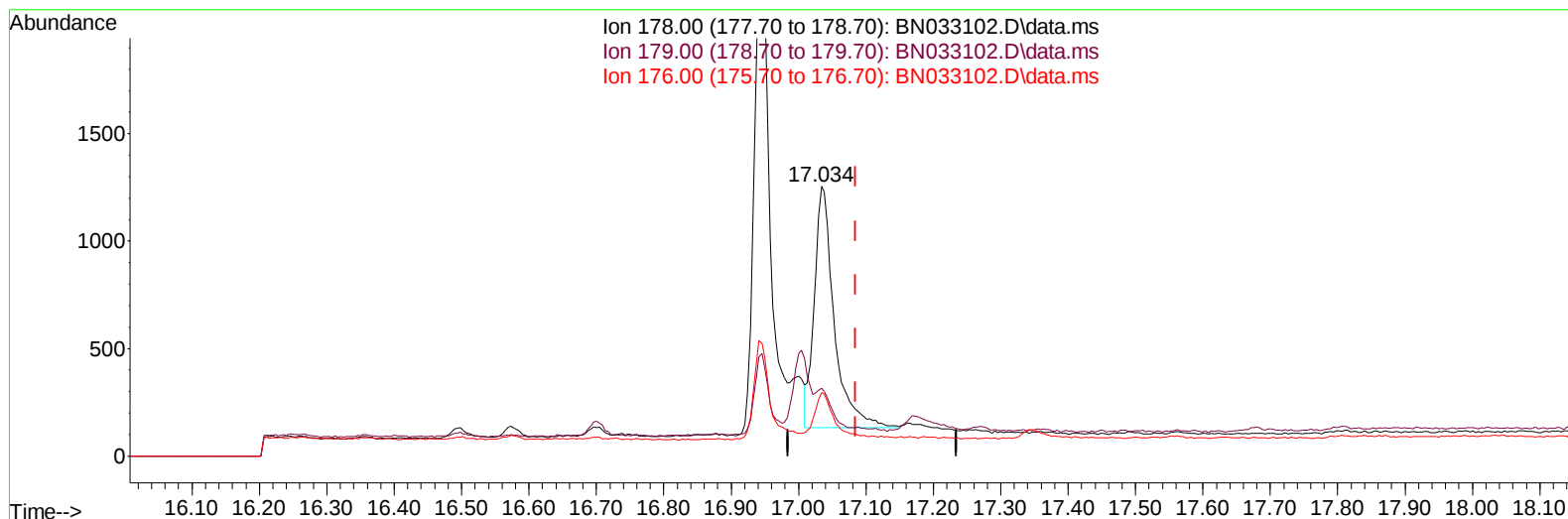
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(16) Anthracene

17.034min (-0.051) 0.12 ng/ul m

response 2311

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	25.20#
176.00	19.80	23.60
0.00	0.00	0.00

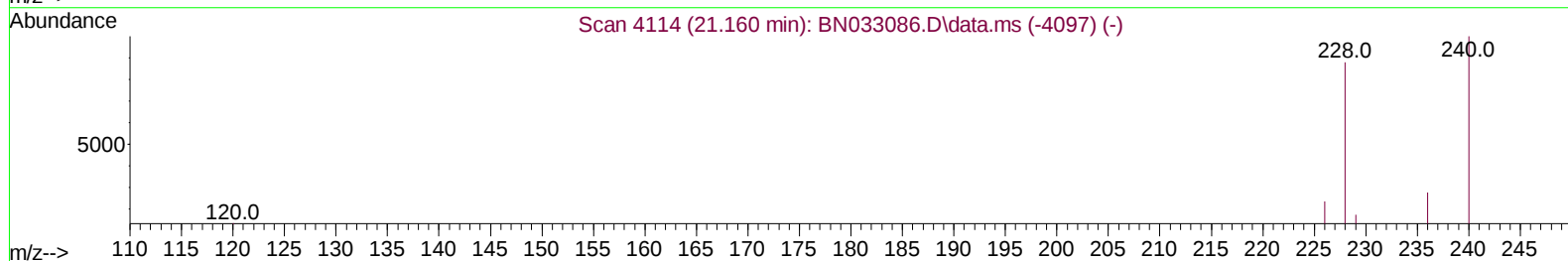
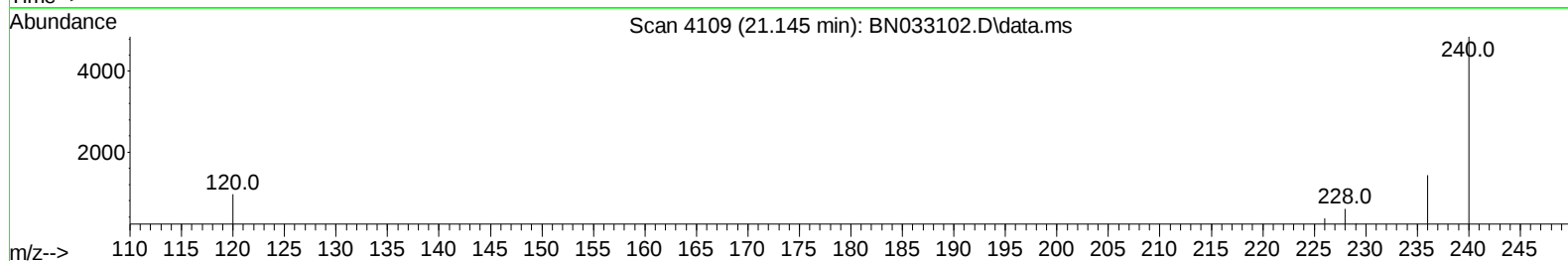
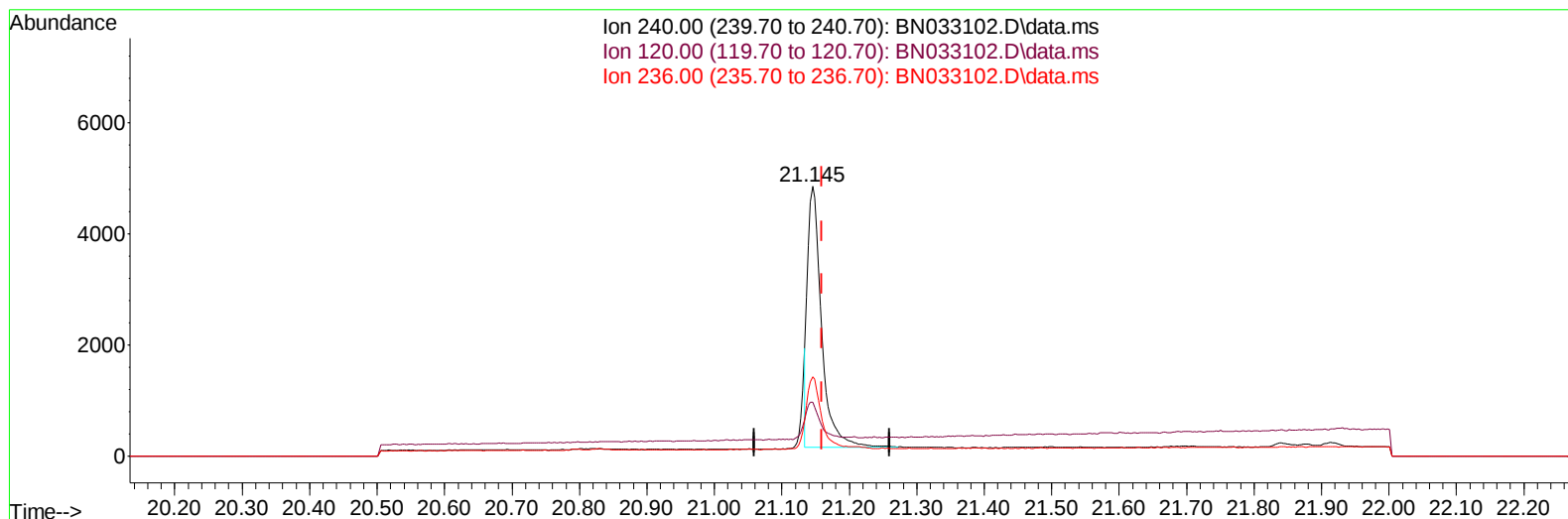
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
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TIC: BN033102.D\data.ms

(17) Chrysene-d12

21.145min (-0.014) 0.40 ng/u1

response 6721

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	19.86
236.00	29.50	29.37
0.00	0.00	0.00

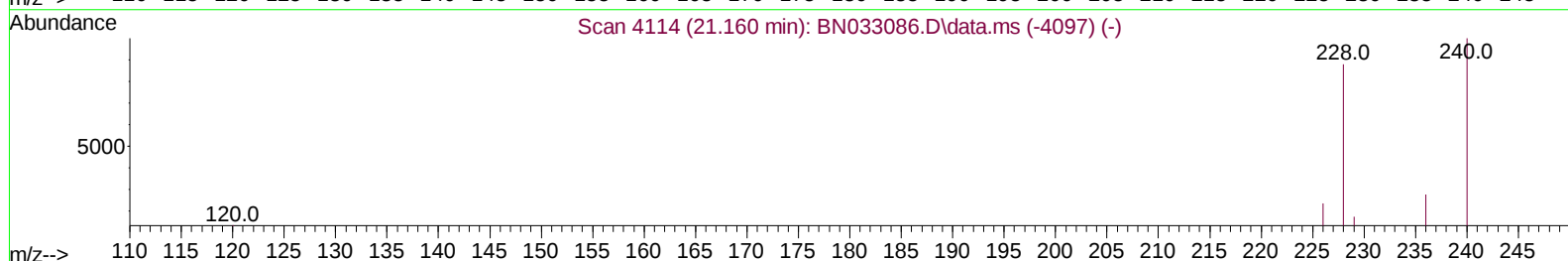
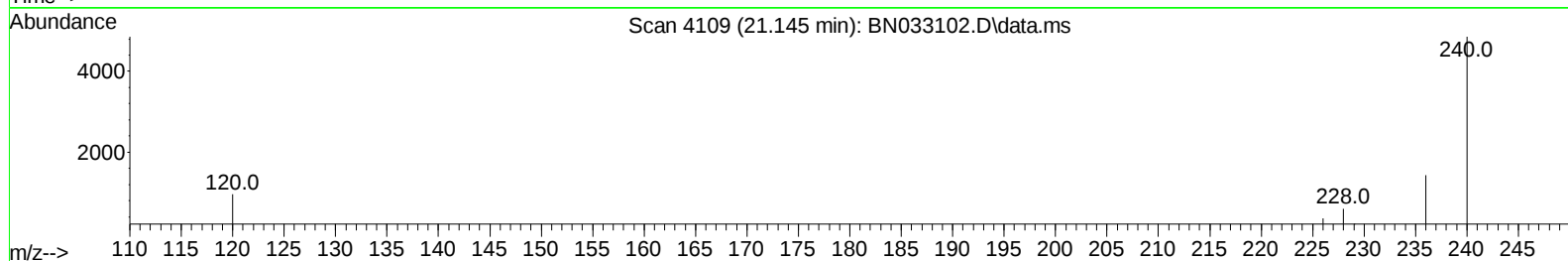
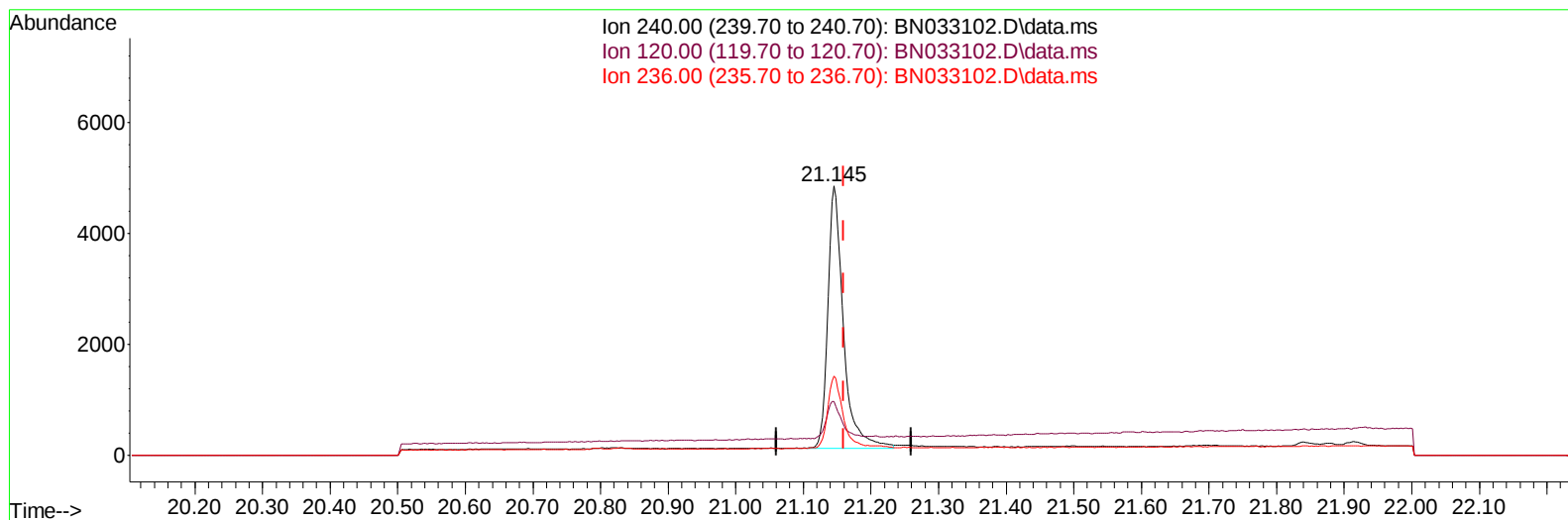
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(17) Chrysene-d12

21.145min (-0.014) 0.40 ng/ul m

response 7600

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	19.86
236.00	29.50	29.37
0.00	0.00	0.00

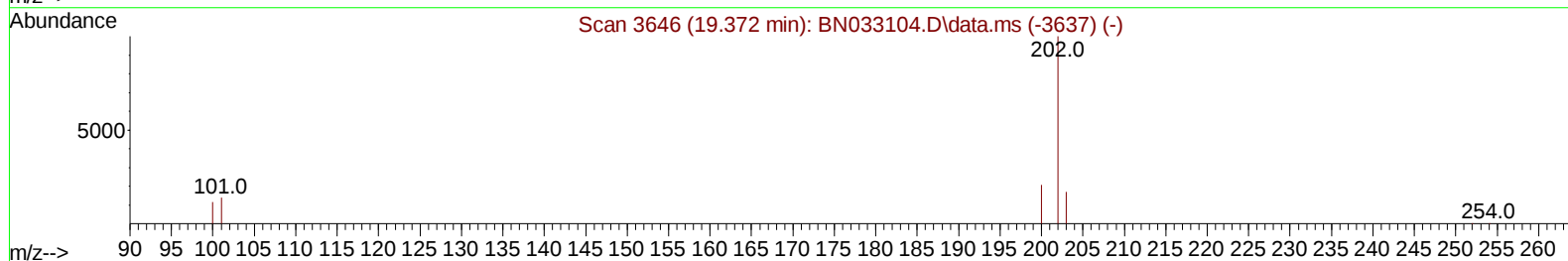
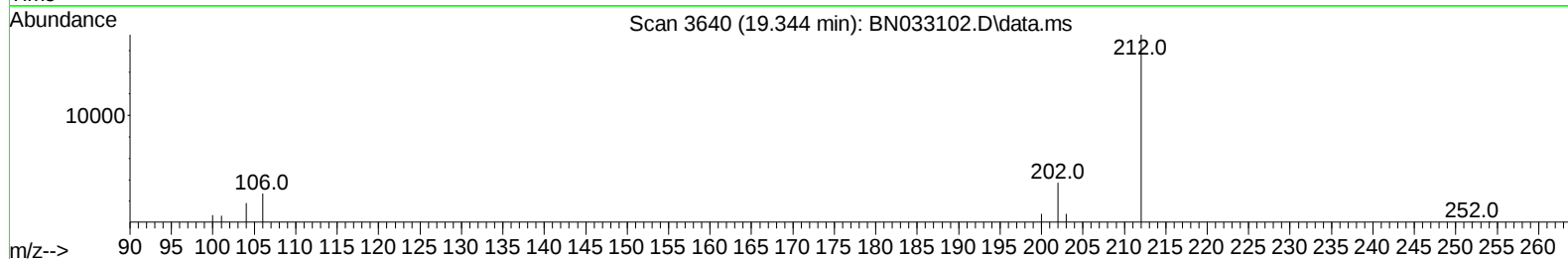
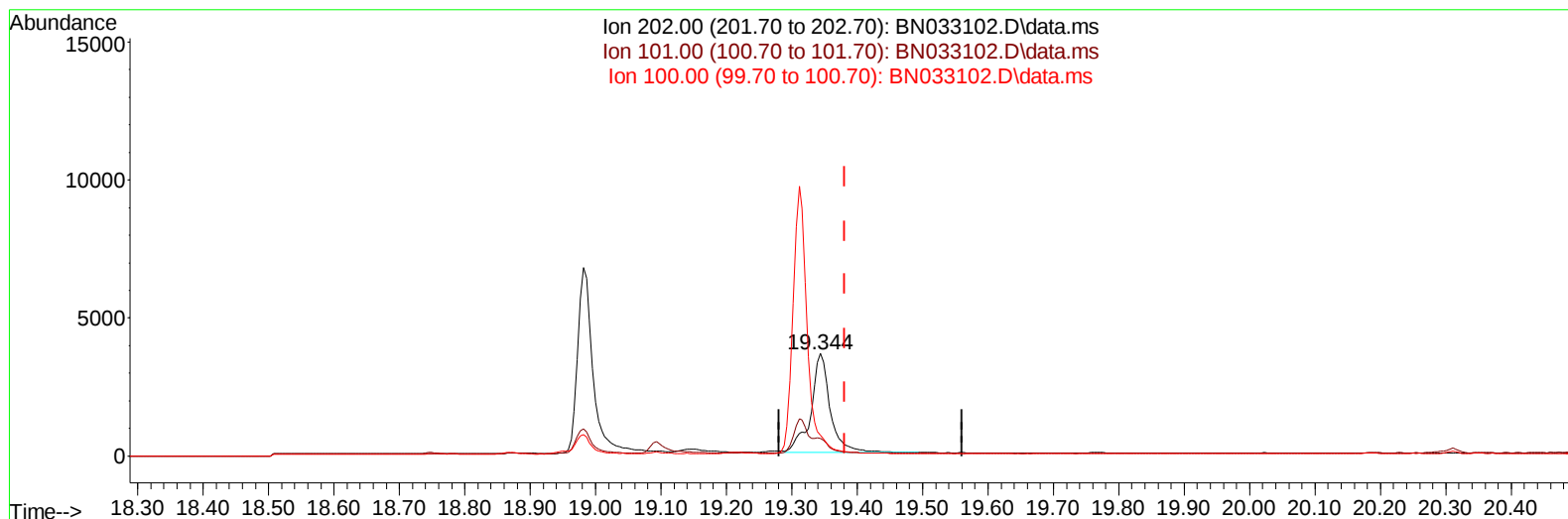
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
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TIC: BN033102.D\data.ms

(20) Pyrene

19.344min (-0.037) 0.28 ng/u1

response 7414

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.70	17.30
100.00	12.40	19.94#
0.00	0.00	0.00

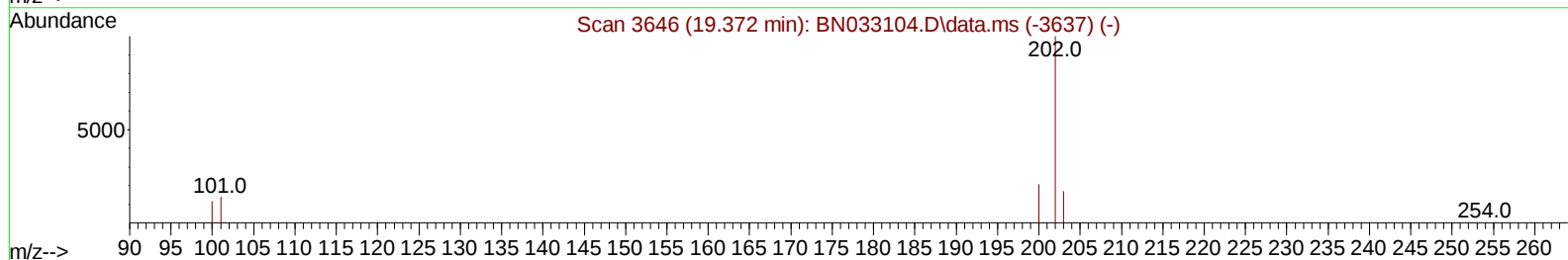
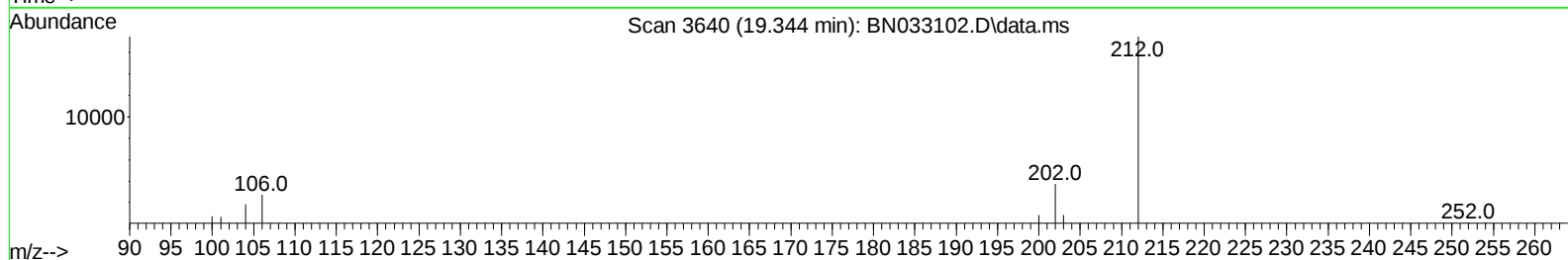
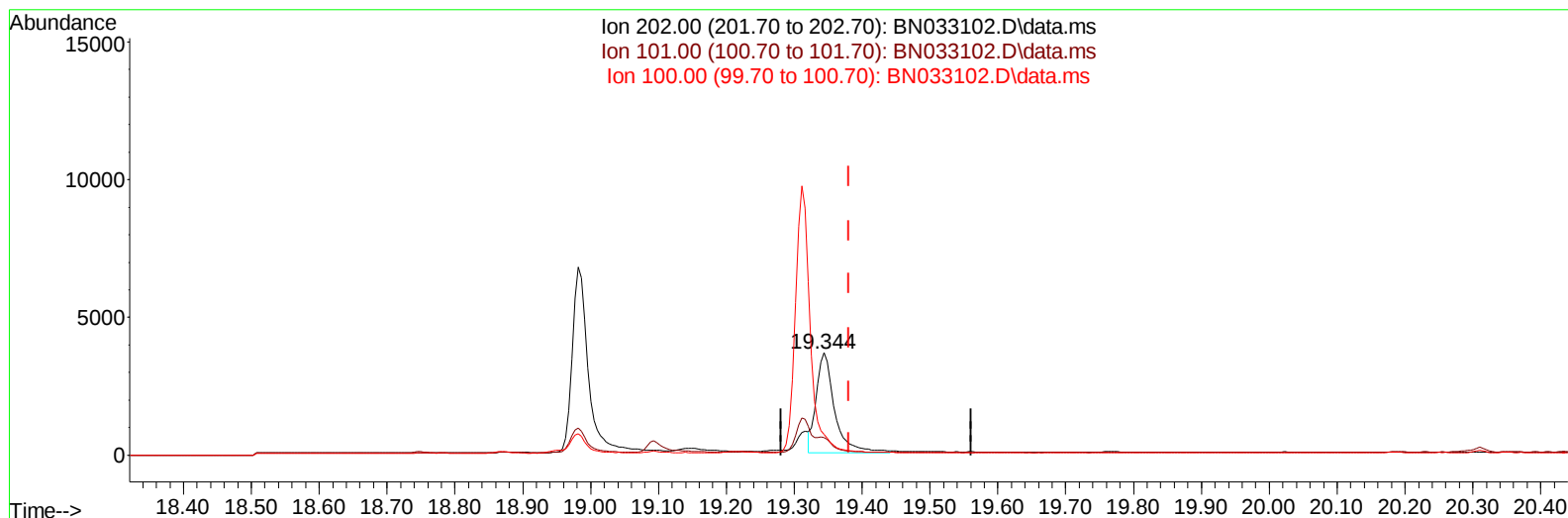
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
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TIC: BN033102.D\data.ms

(20) Pyrene

19.344min (-0.037) 0.25 ng/ul m

response 6754

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.70	17.30
100.00	12.40	19.94#
0.00	0.00	0.00

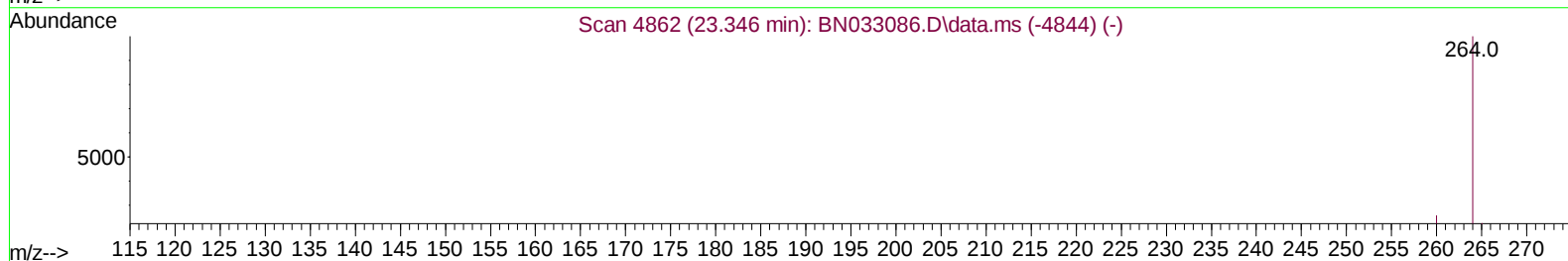
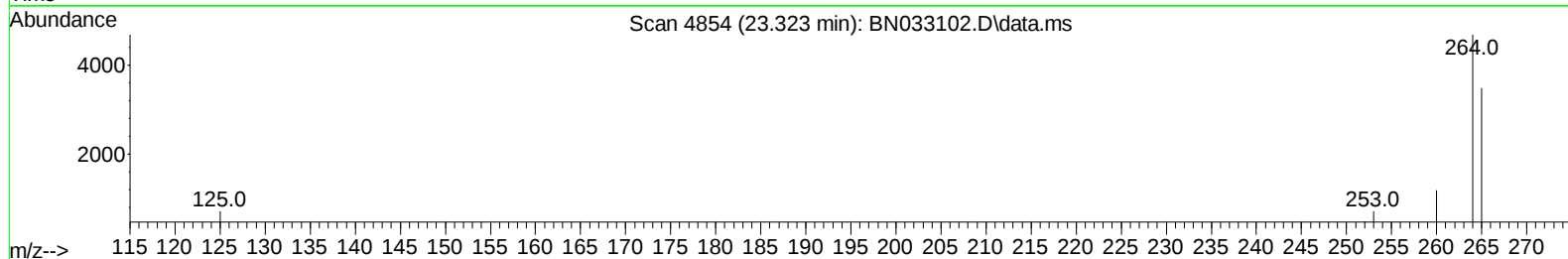
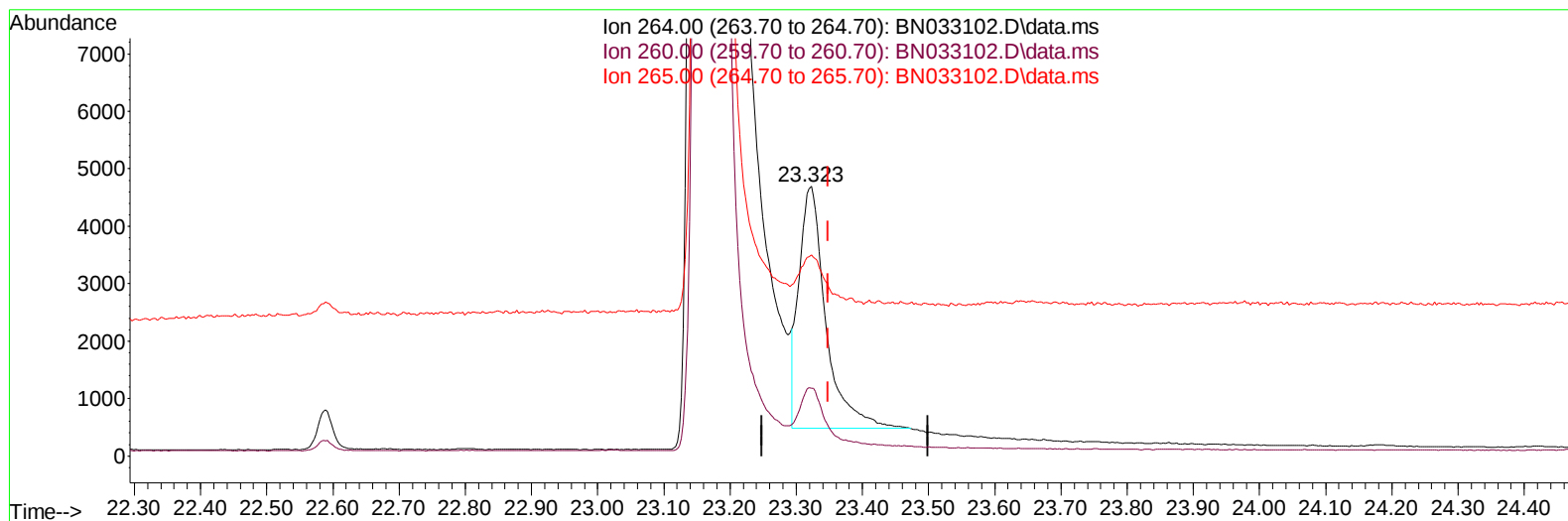
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
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Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN033102.D\data.ms

(23) Perylene-d12 (I)

23.323min (-0.026) 0.40 ng/u1

response 11842

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	25.24
265.00	80.60	74.53
0.00	0.00	0.00

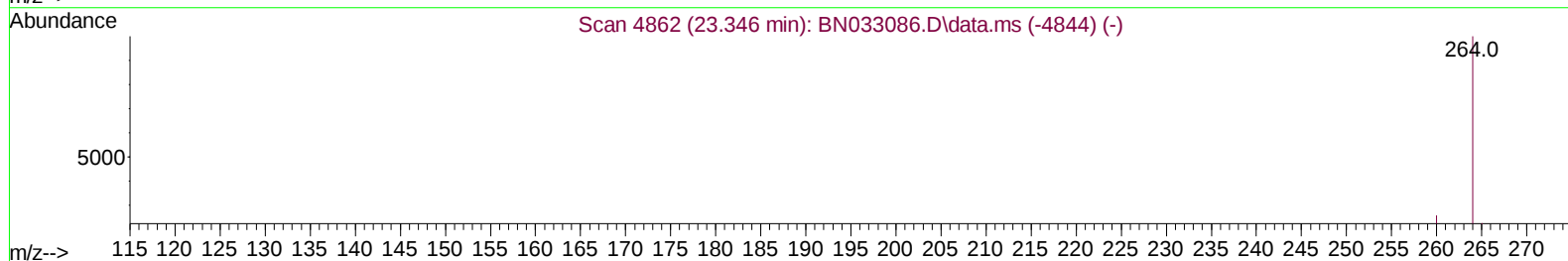
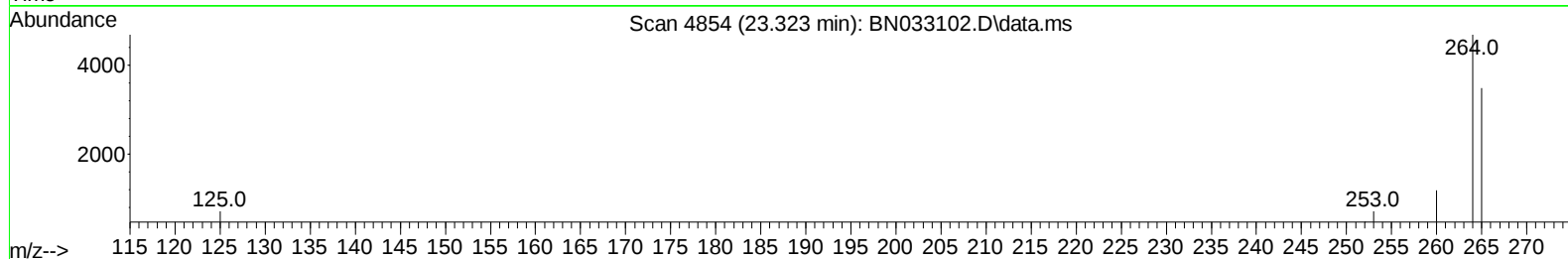
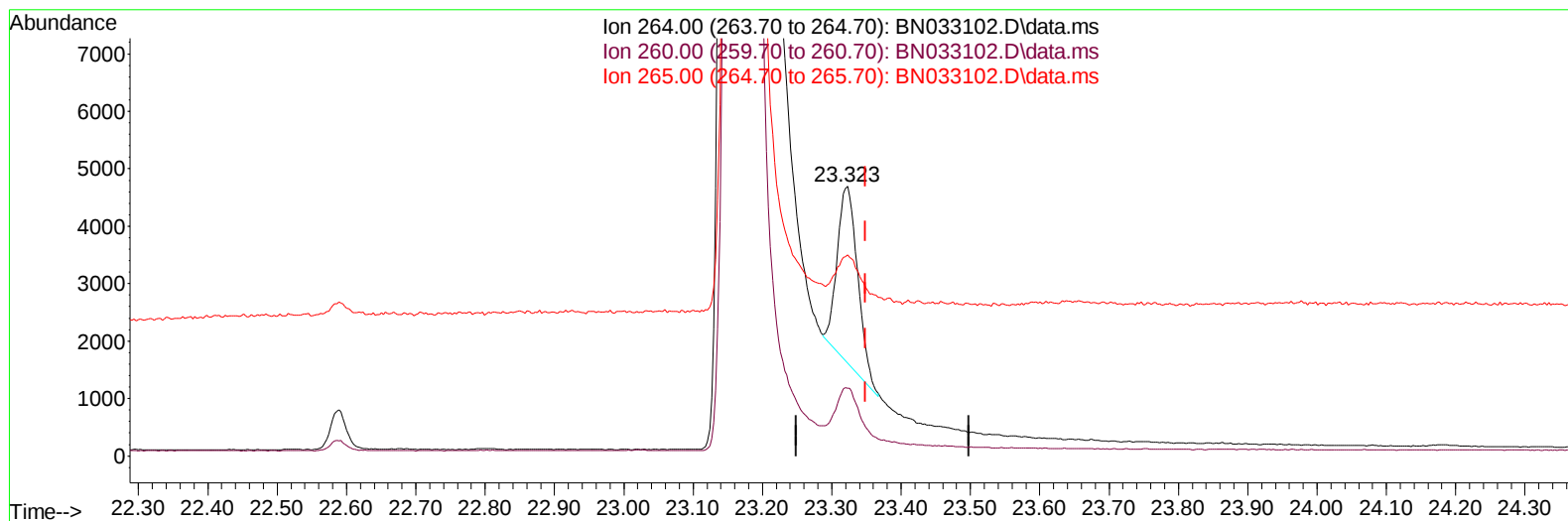
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(23) Perylene-d12 (I)

23.323min (-0.026) 0.40 ng/ul m

response 6205

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	25.24
265.00	80.60	74.53
0.00	0.00	0.00

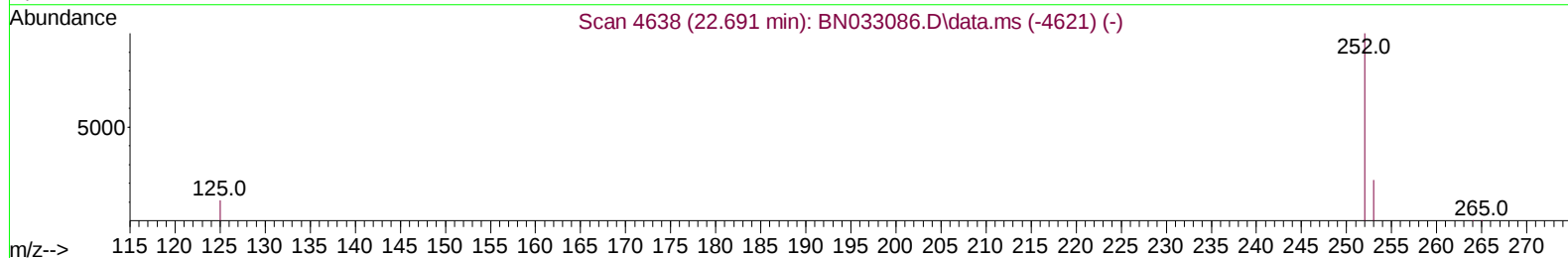
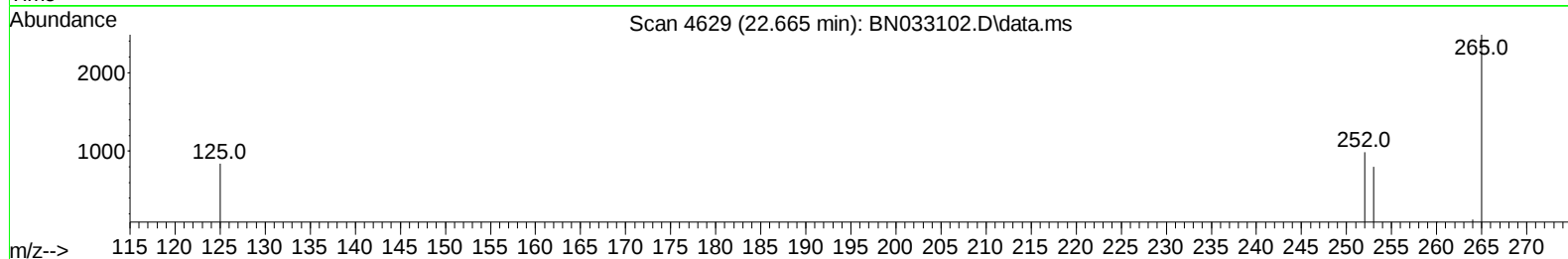
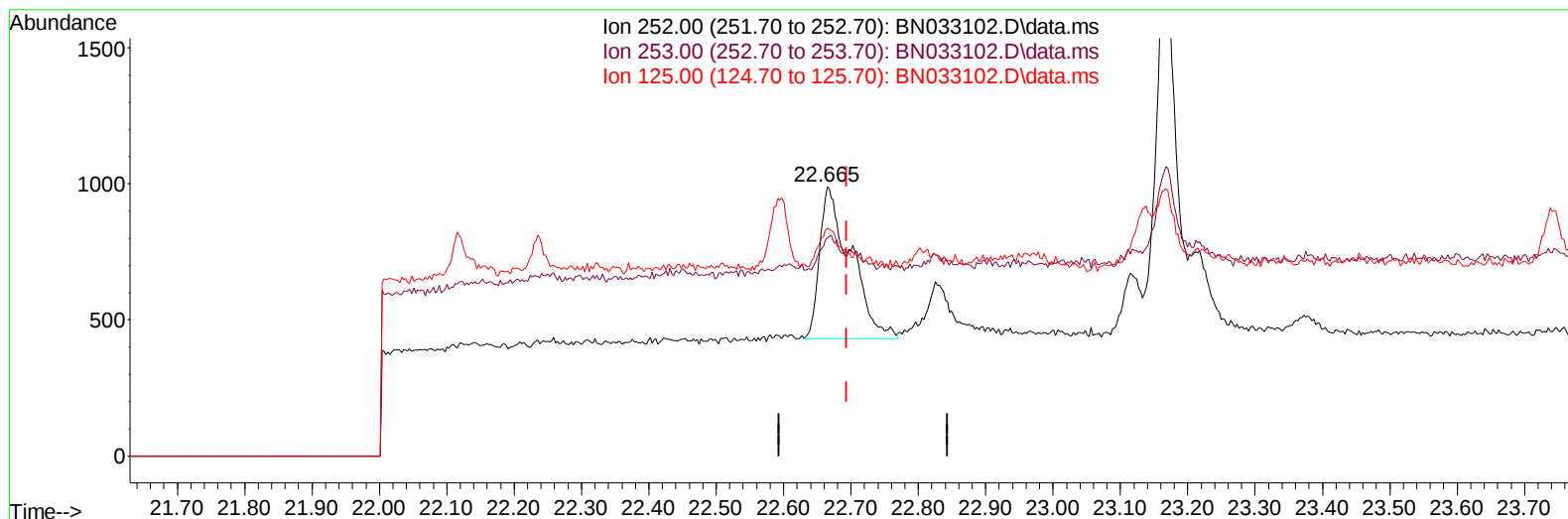
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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QLast Update : Mon Jul 29 23:04:40 2024
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Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.029) 0.10 ng/u1

response 1790

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	80.91#
125.00	25.50	84.55#
0.00	0.00	0.00

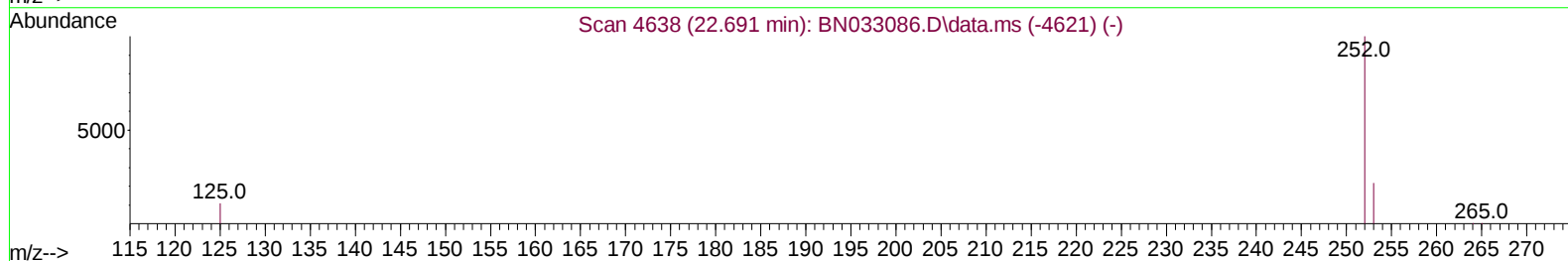
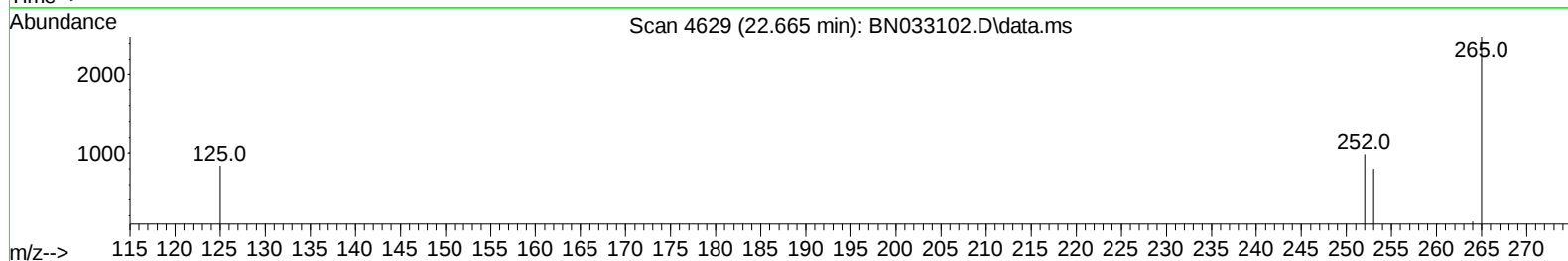
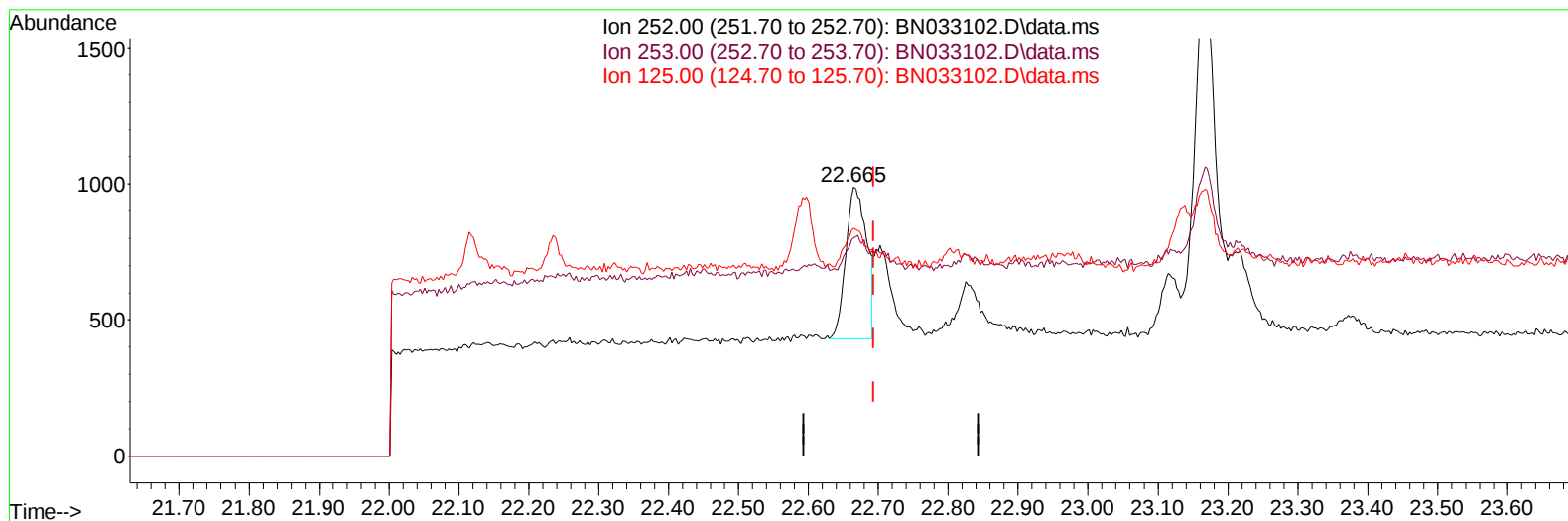
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.029) 0.06 ng/u1 m

response 1162

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	80.91#
125.00	25.50	84.55#
0.00	0.00	0.00

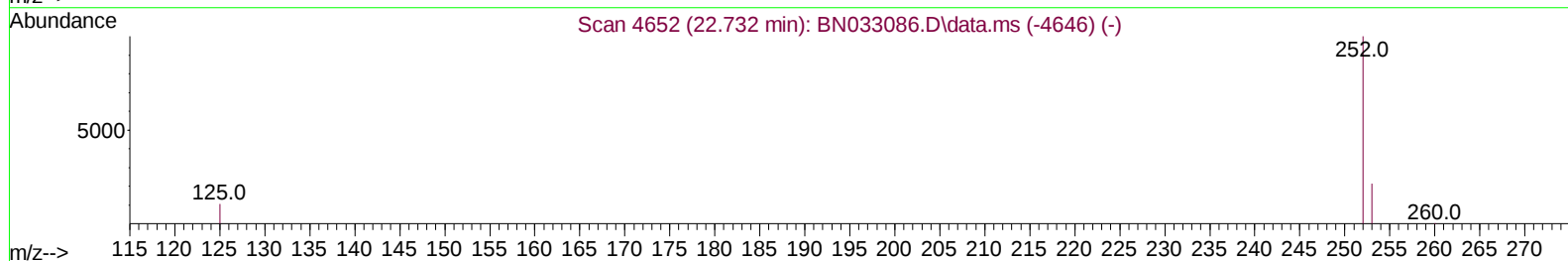
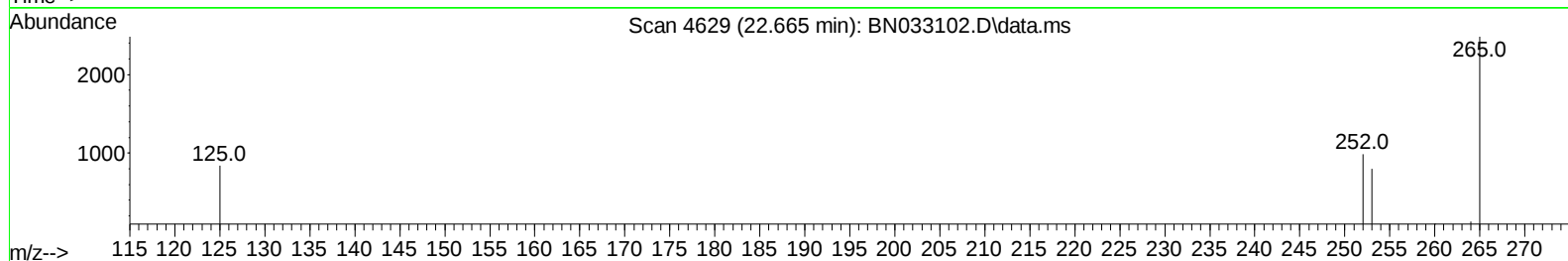
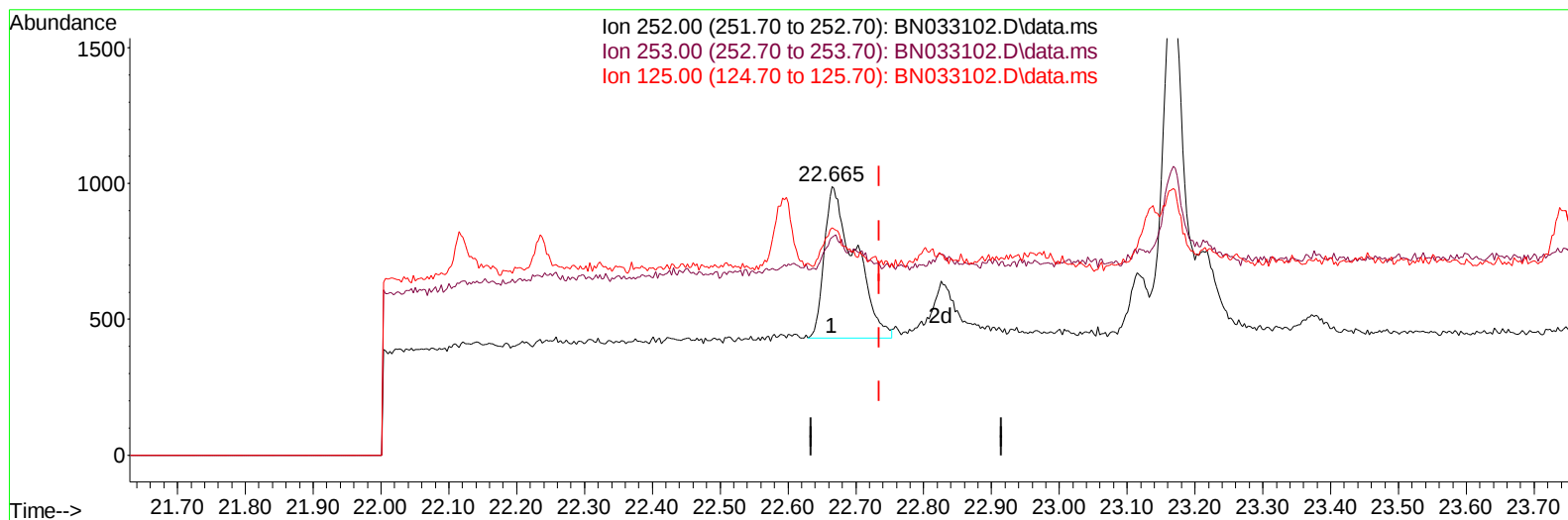
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(25) Benzo(k)fluoranthene

22.665min (-0.070) 0.08 ng/u1

response 1761

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	80.91#
125.00	26.10	84.55#
0.00	0.00	0.00

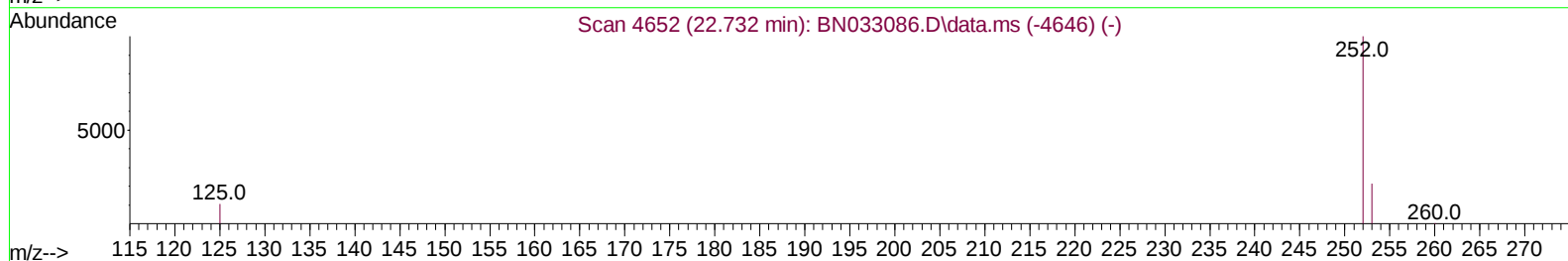
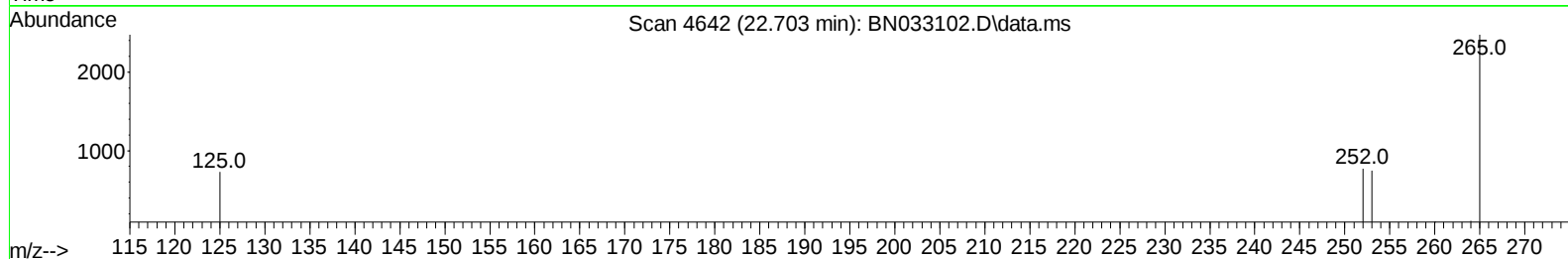
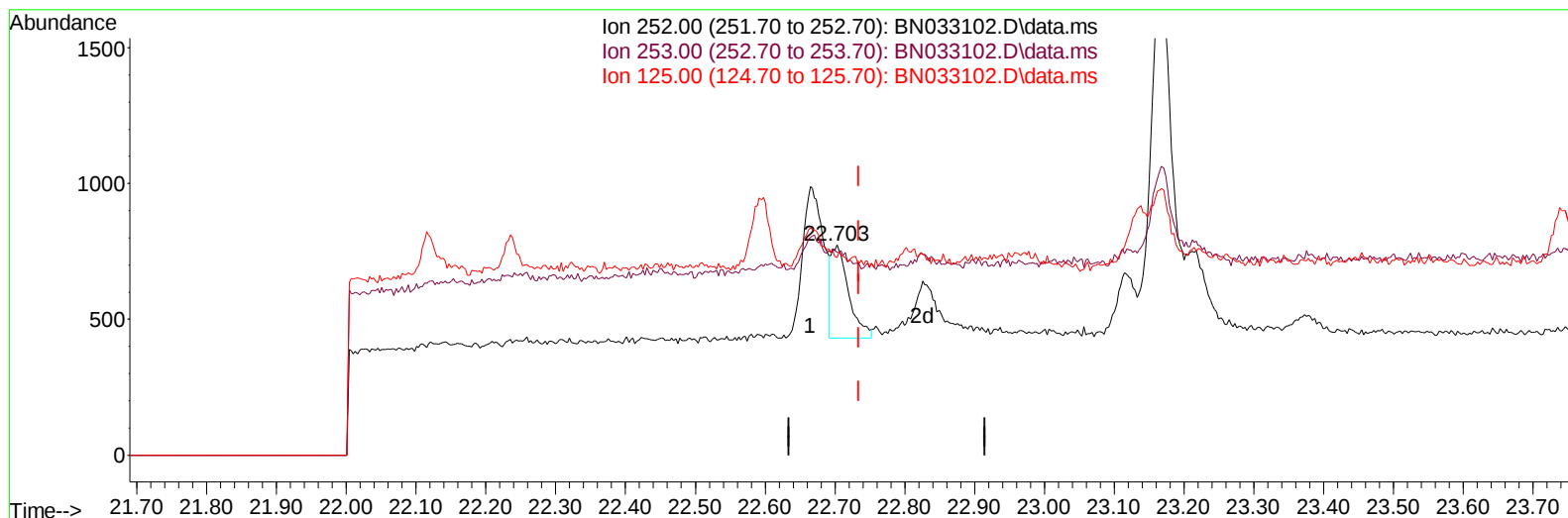
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7E31

Manual IntegrationsAPPROVED

Quant Time: Jul 30 13:05:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033102.D\data.ms

(25) Benzo(k)fluoranthene

22.703min (-0.032) 0.03 ng/u1 m

response 606

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	96.64#
125.00	26.10	94.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
 Data File : BN033102.D
 Acq On : 30 Jul 2024 12:38
 Operator : MA/JU
 Sample : P3336-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F7E31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/31/2024
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 13:05:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 29 23:04:40 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.495	152		1436	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.251	136		5368	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.138	164		3380	0.400	ng/ul	#-0.03
13) Phenanthrene-d10	16.903	188		8007m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.145	240		7600m	0.400	ng/ul	-0.01
23) Perylene-d12	23.323	264		6205m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.056	96		7314	4.027	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.879	152		2563	0.293	ng/ul	-0.03
18) Fluoranthene-d10	18.953	212		7574	0.352	ng/ul	-0.03
Target Compounds							
						Qvalue	
10) Acenaphthylene	13.856	152		1303	0.094	ng/ul#	81
11) Acenaphthene	14.203	153		530	0.051	ng/ul#	90
12) Fluorene	15.203	166		1670	0.138	ng/ul#	99
15) Phenanthrene	16.945	178		3872m	0.180	ng/ul	
16) Anthracene	17.034	178		2311m	0.120	ng/ul	
19) Fluoranthene	18.981	202		11301	0.452	ng/ul	98
20) Pyrene	19.344	202		6754m	0.252	ng/ul	
21) Benzo(a)anthracene	21.131	228		1412	0.054	ng/ul#	81
22) Chrysene	21.183	228		2698	0.089	ng/ul#	89
24) Benzo(b)fluoranthene	22.665	252		1162m	0.064	ng/ul	
25) Benzo(k)fluoranthene	22.703	252		606m	0.028	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033102.D
Acq On : 30 Jul 2024 12:38
Operator : MA/JU
Sample : P3336-06
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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