

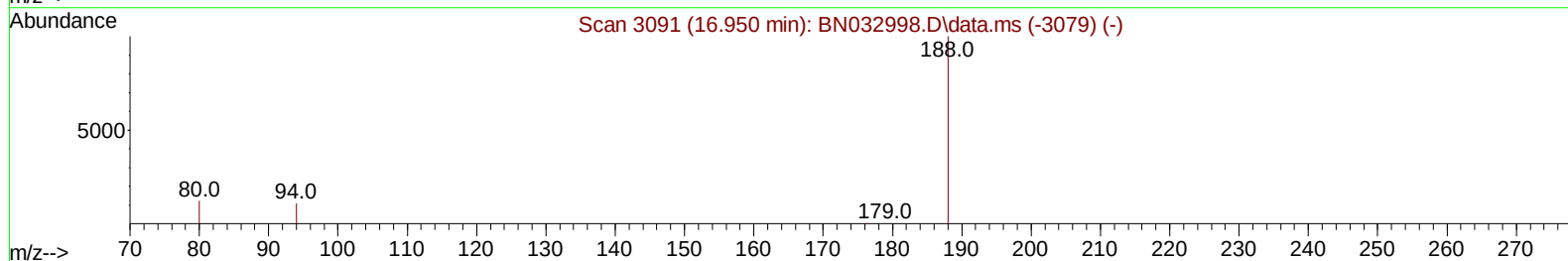
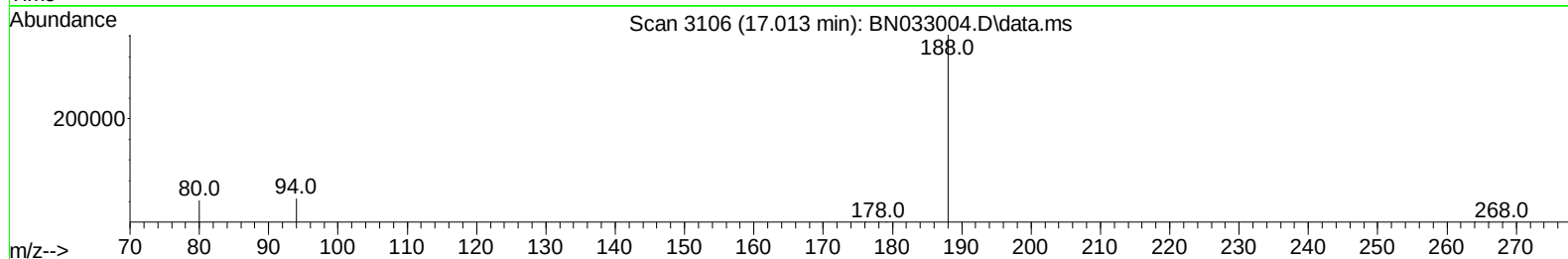
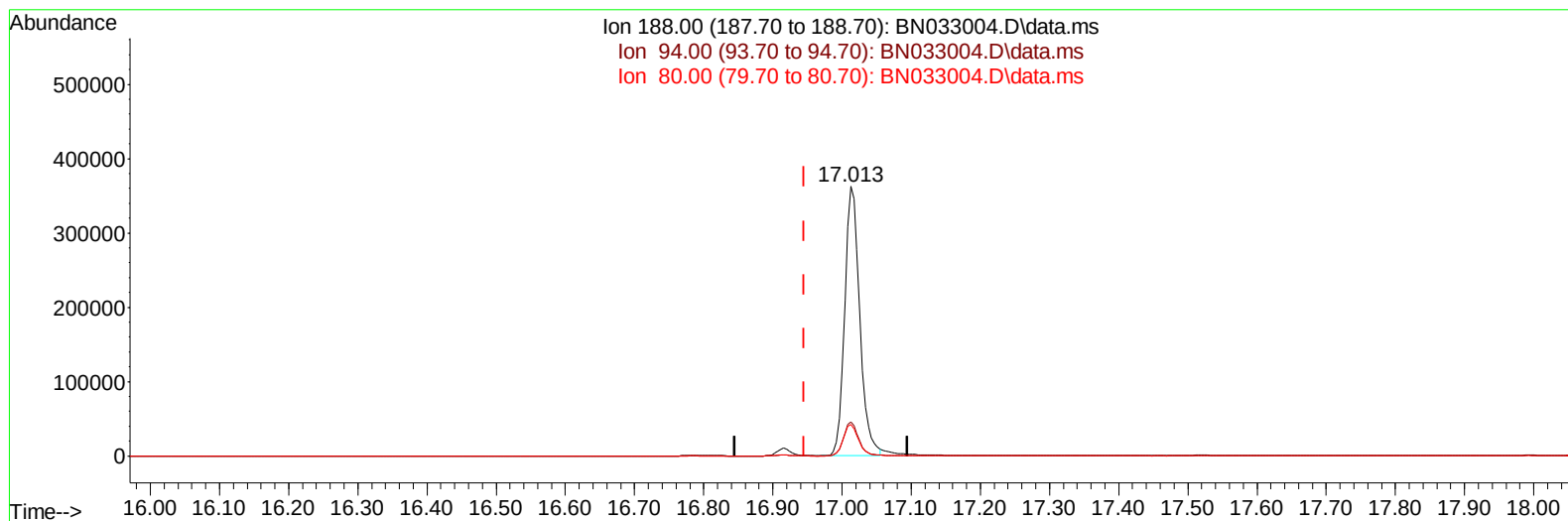
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 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 : Thu Jul 25 15:43:00 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/29/2024
Supervised By :mohammad ahmed 08/13/2024



TIC: BN033004.D\data.ms

(13) Phenanthrene-d10 (I)

17.013min (+ 0.068) 0.40 ng/u1

response 548146

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.65
80.00	13.10	11.64
0.00	0.00	0.00

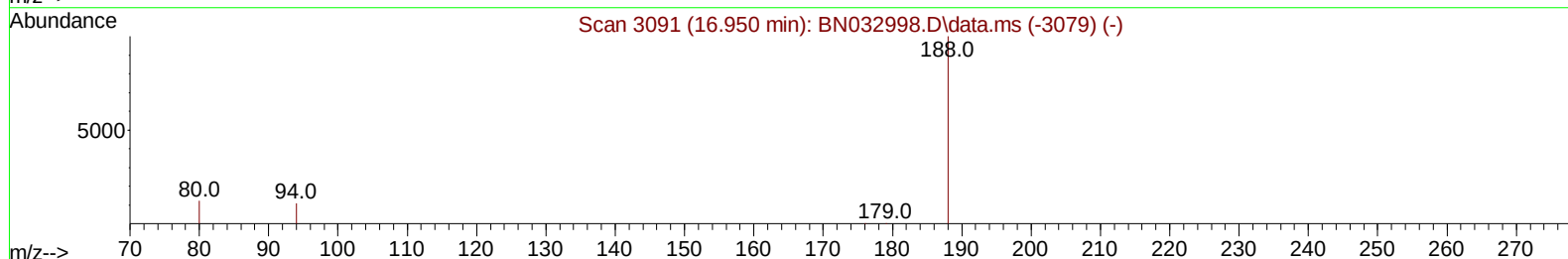
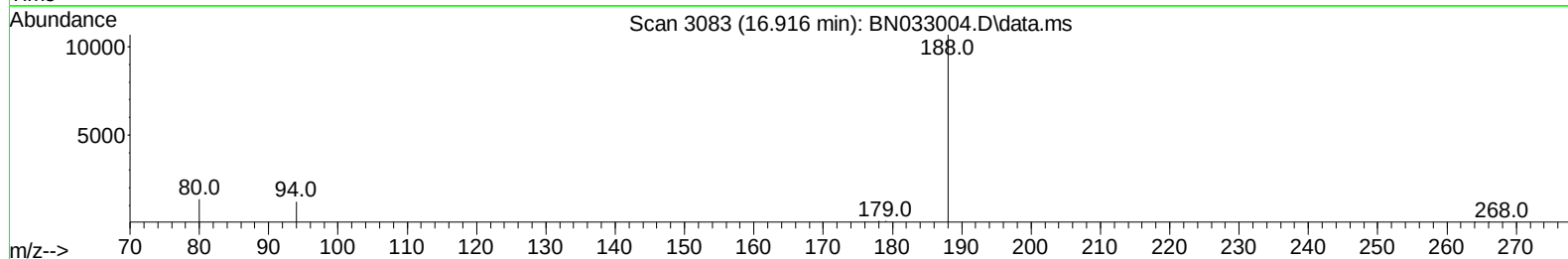
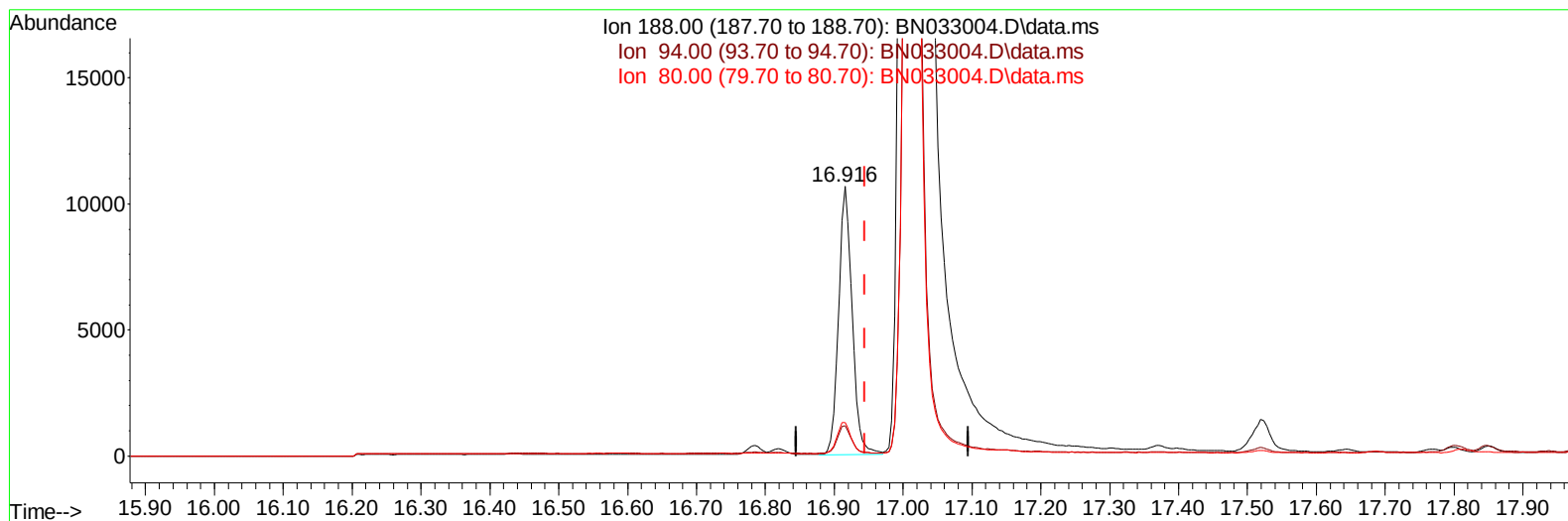
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 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 : Thu Jul 25 15:43:00 2024
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Reviewed By :Jagrut Upadhyay 07/29/2024
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TIC: BN033004.D\data.ms

(13) Phenanthrene-d10 (I)

16.916min (-0.029) 0.40 ng/ul m

response 14581

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	11.31
80.00	13.10	12.49
0.00	0.00	0.00

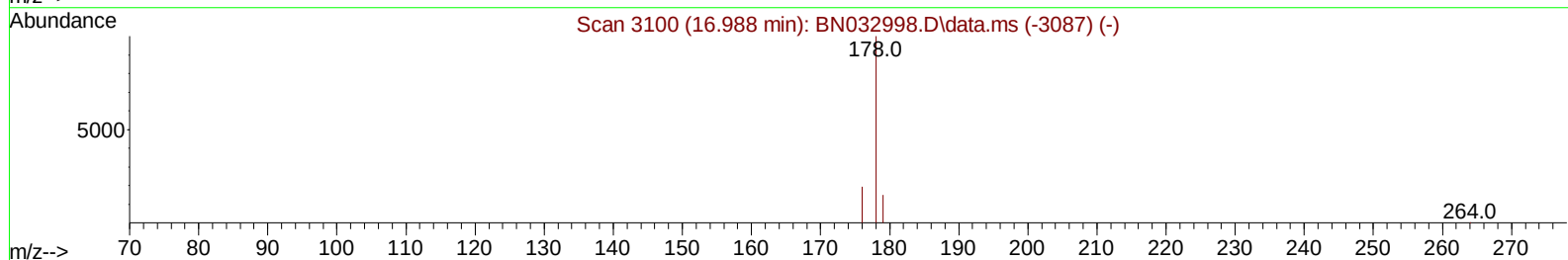
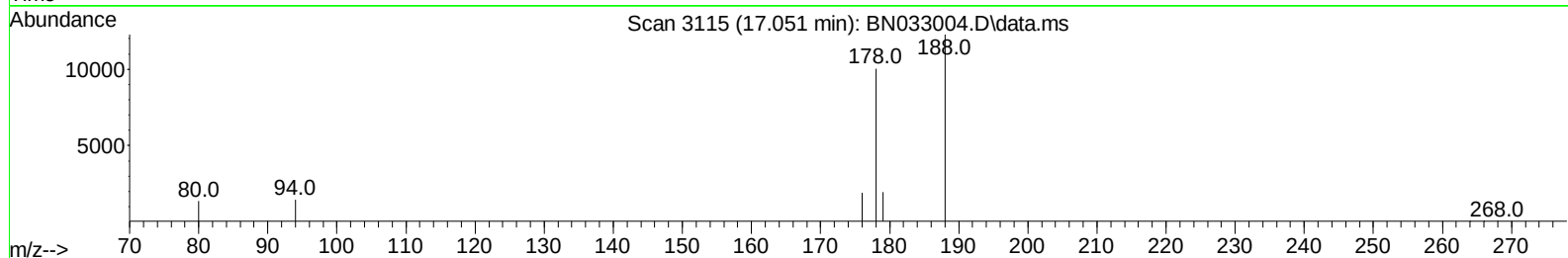
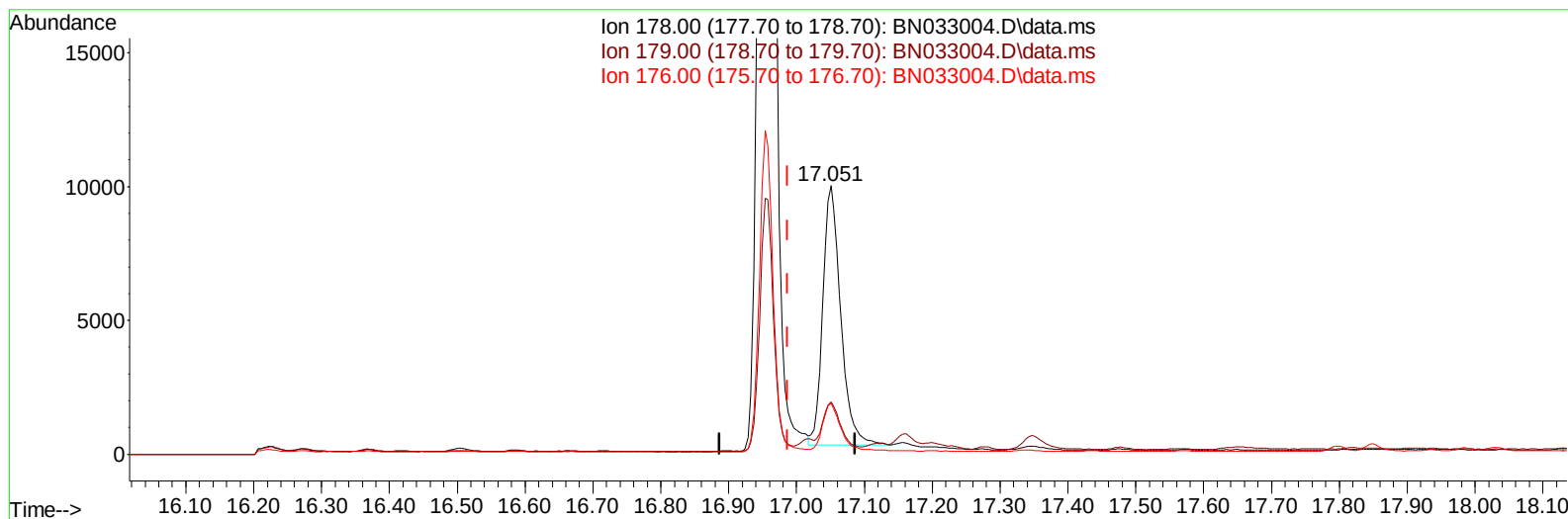
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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TIC: BN033004.D\data.ms

(15) Phenanthrene

17.051min (+ 0.063) 0.45 ng/u1

response 17790

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	19.37
176.00	19.90	18.99
0.00	0.00	0.00

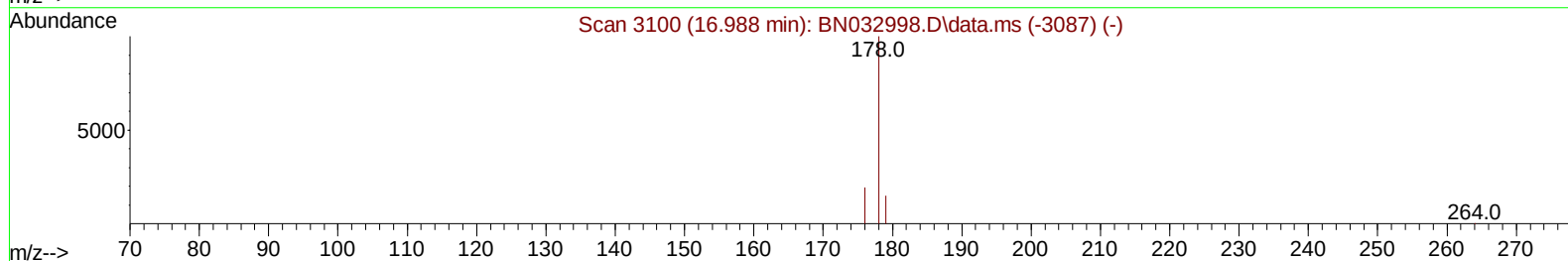
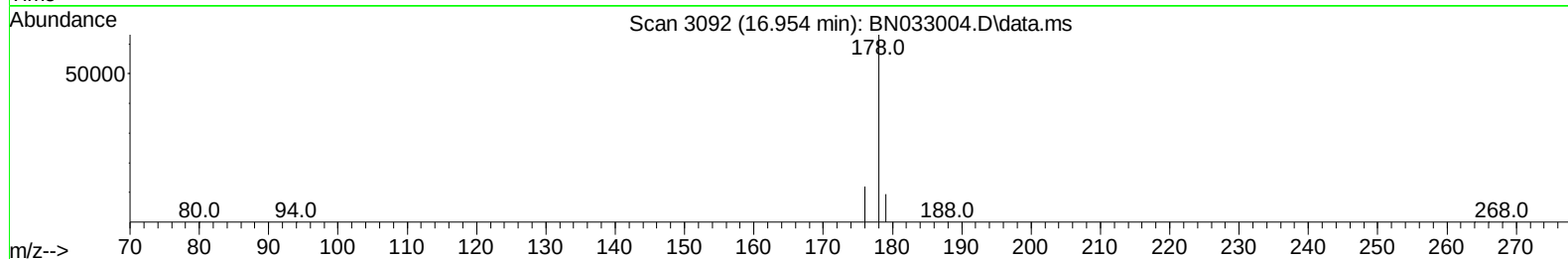
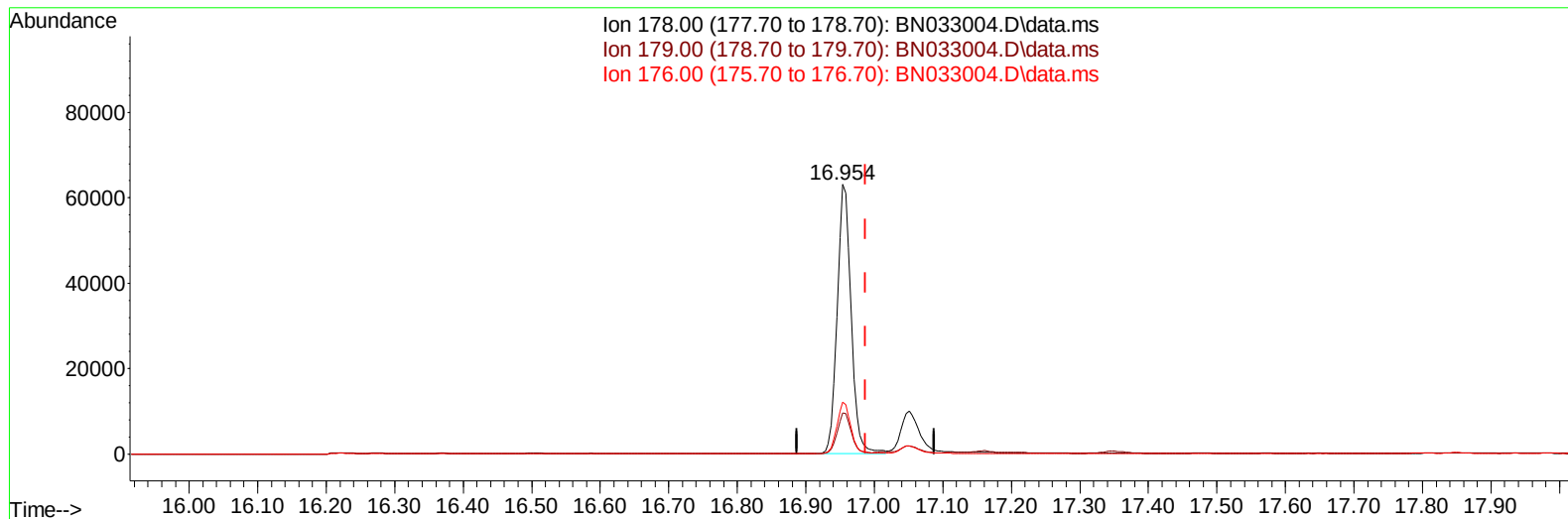
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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TIC: BN033004.D\data.ms

(15) Phenanthrene

16.954min (-0.034) 2.28 ng/ul m

response 89279

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	15.15
176.00	19.90	19.16
0.00	0.00	0.00

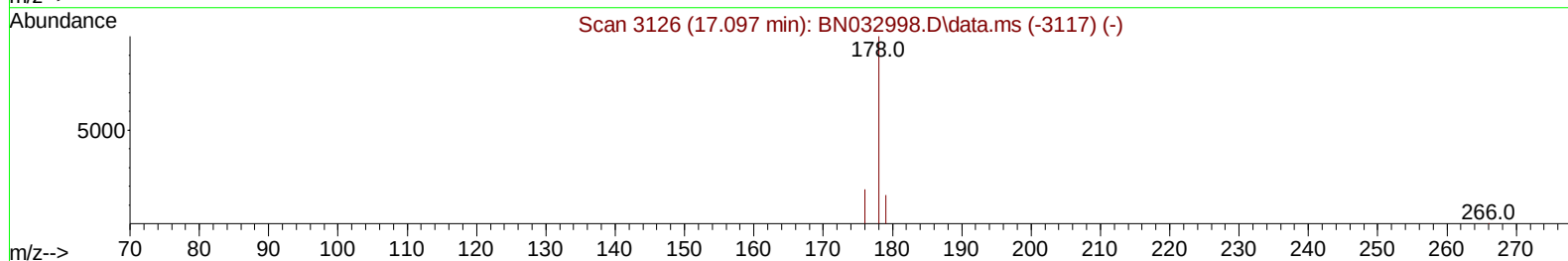
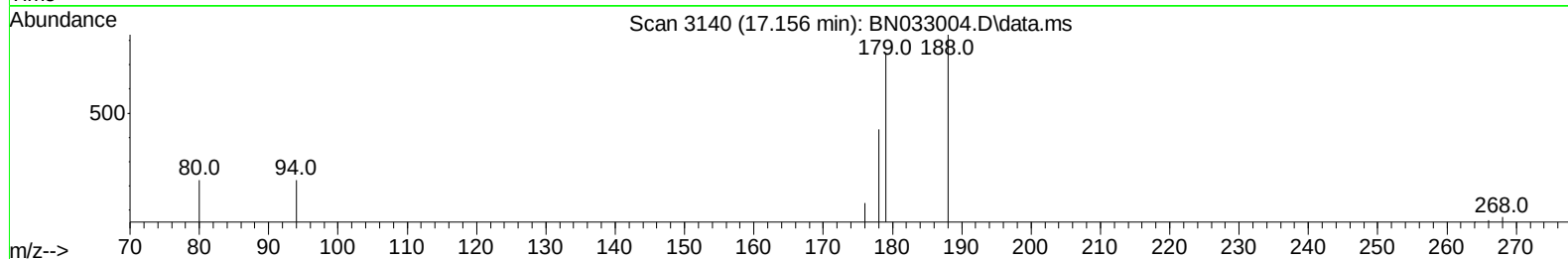
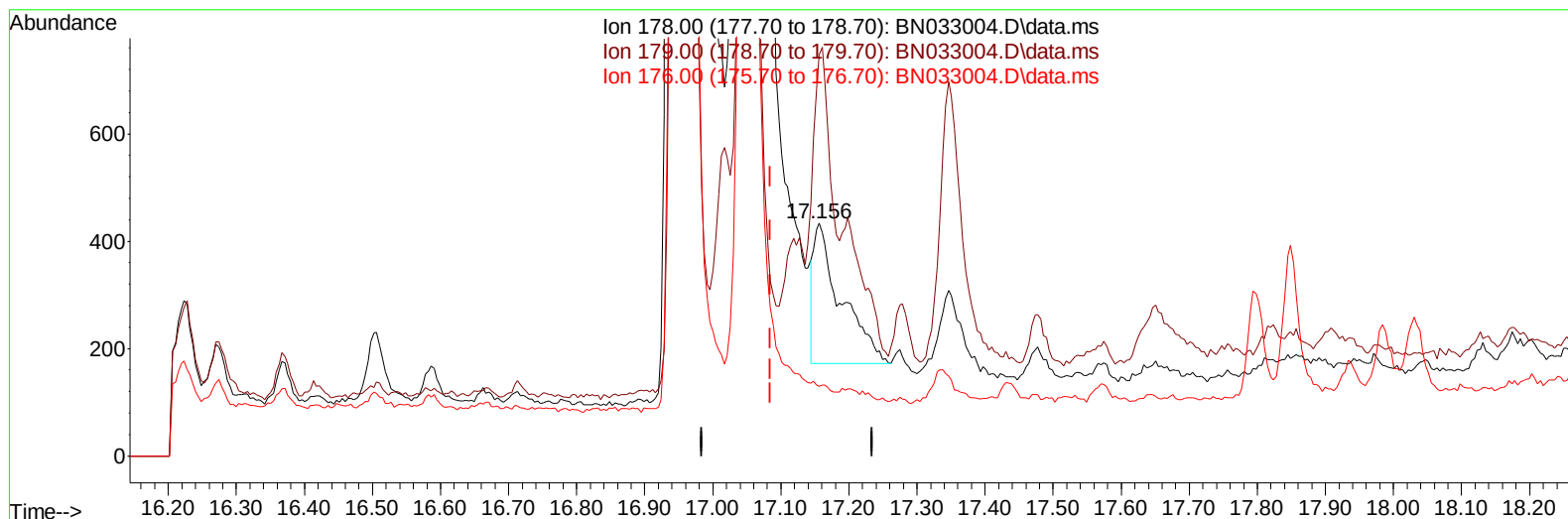
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 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 : Thu Jul 25 15:43:00 2024
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TIC: BN033004.D\data.ms

(16) Anthracene

17.156min (+ 0.072) 0.02 ng/u1

response 736

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	172.12#
176.00	19.80	29.95#
0.00	0.00	0.00

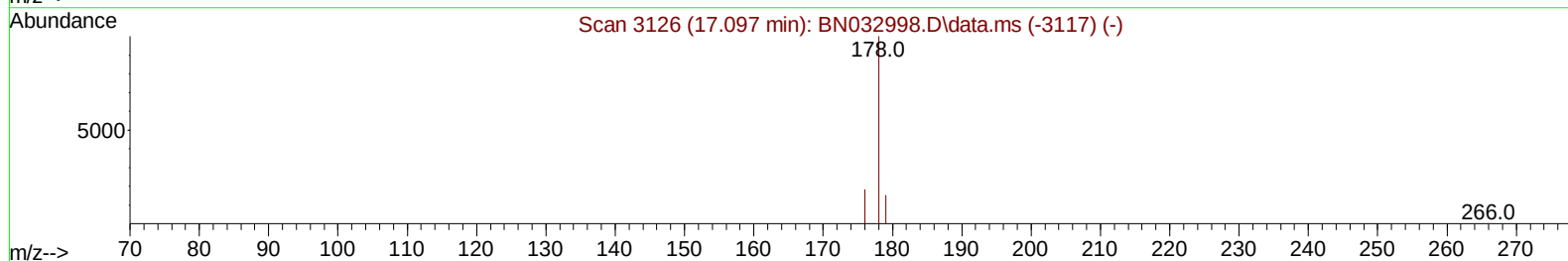
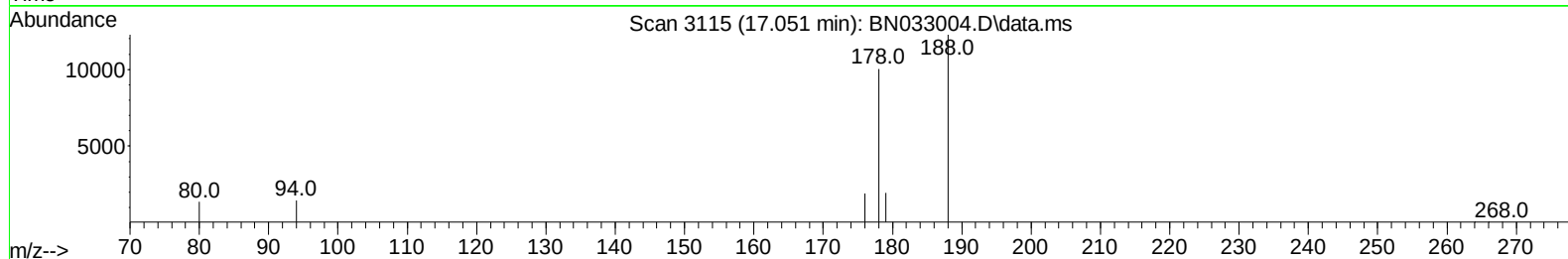
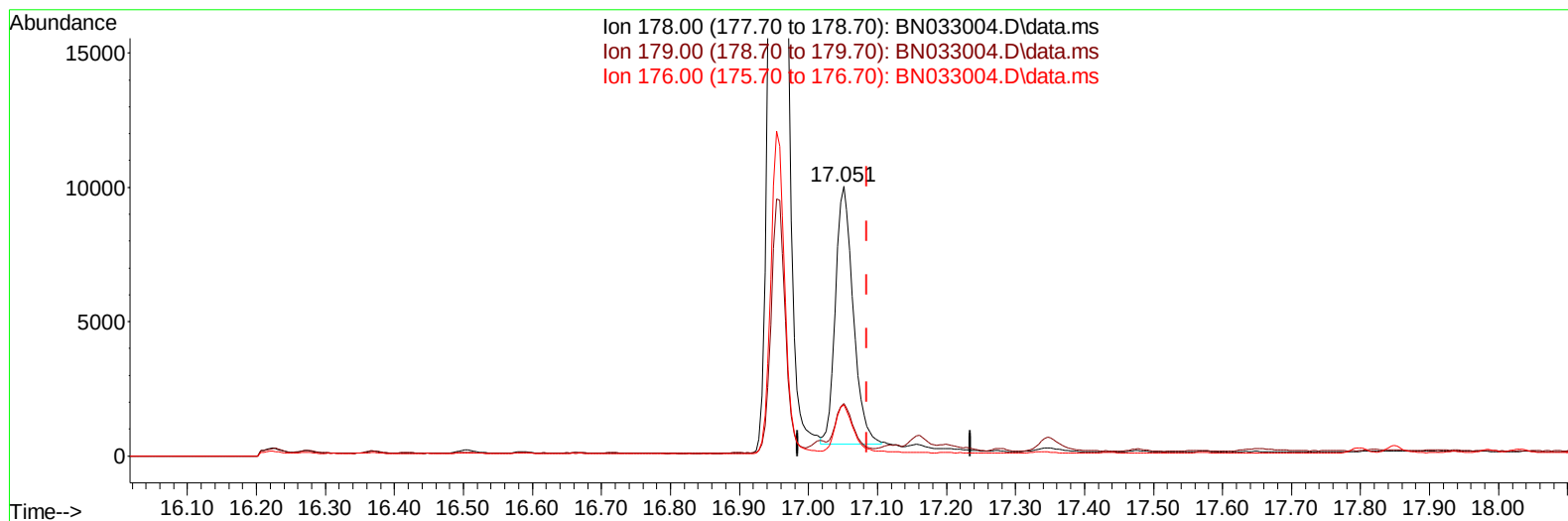
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
 Data File : BN033004.D
 Acq On : 26 Jul 2024 19:27
 Operator : MA/JU
 Sample : P3264-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 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 : Thu Jul 25 15:43:00 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/29/2024
 Supervised By :mohammad ahmed 08/13/2024



TIC: BN033004.D\data.ms

(16) Anthracene

17.051min (-0.034) 0.49 ng/ul m

response 17130

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	19.37
176.00	19.80	18.99
0.00	0.00	0.00

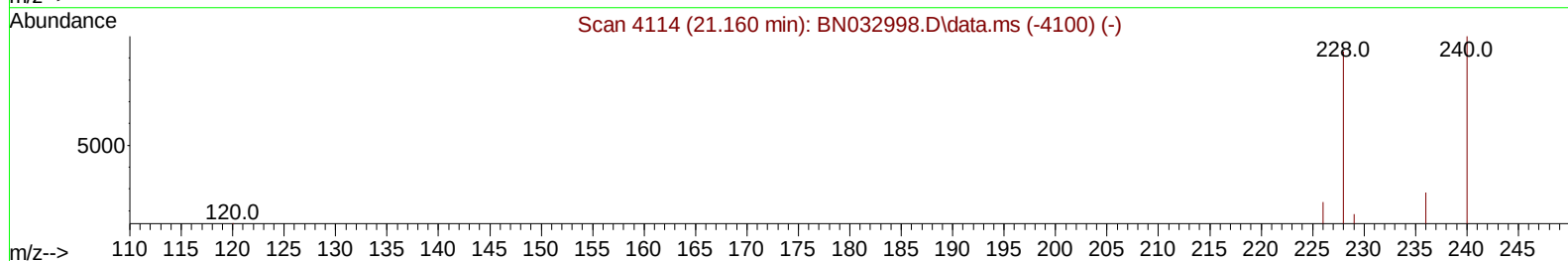
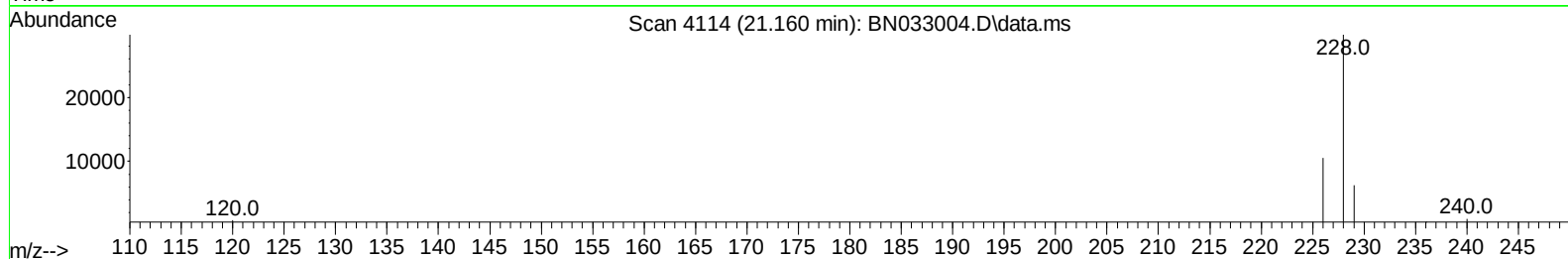
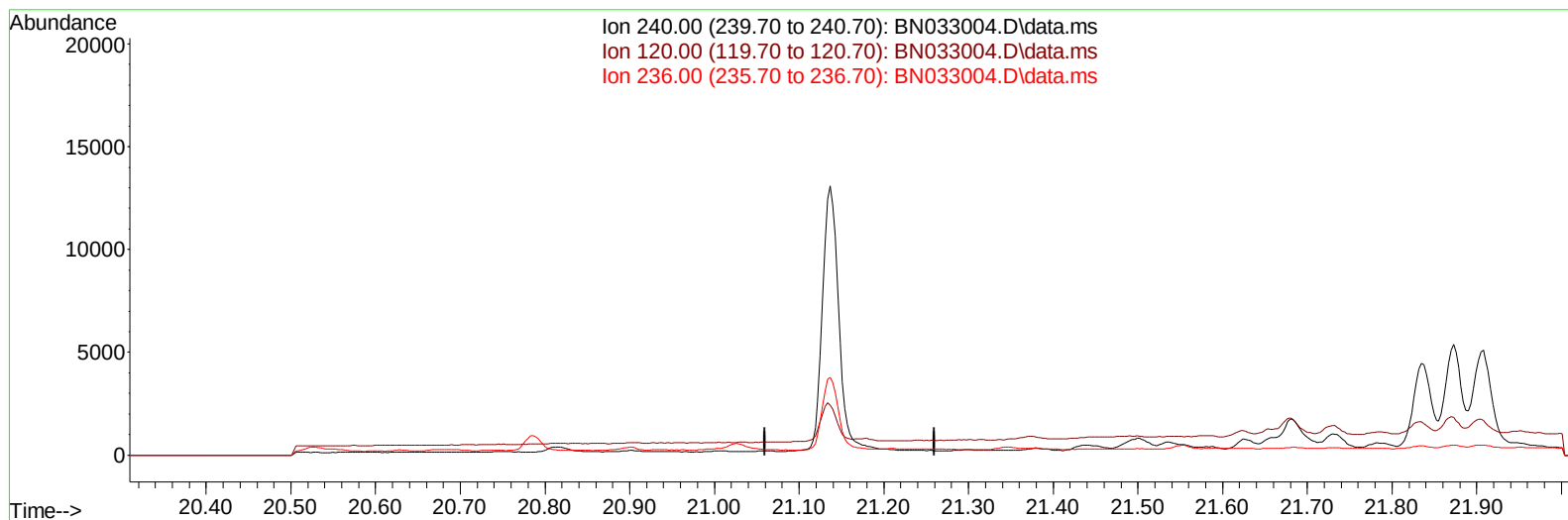
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN033004.D\data.ms

(17) Chrysene-d12

21.160min (-21.160) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	21.40	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

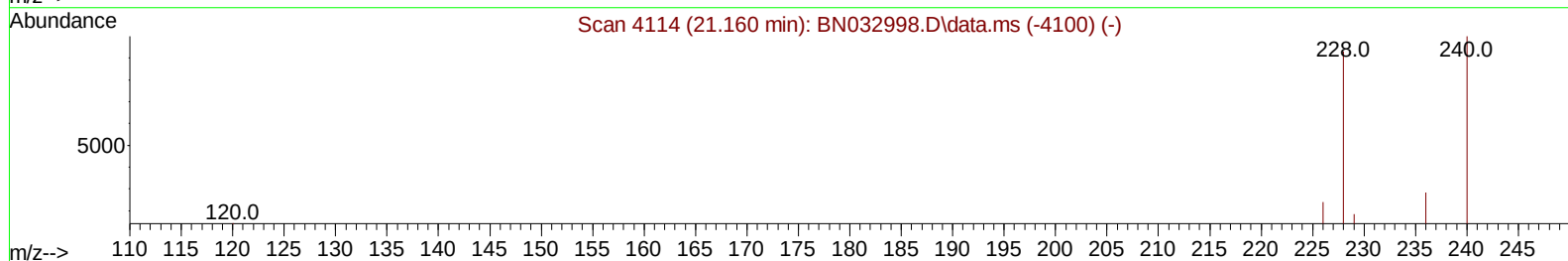
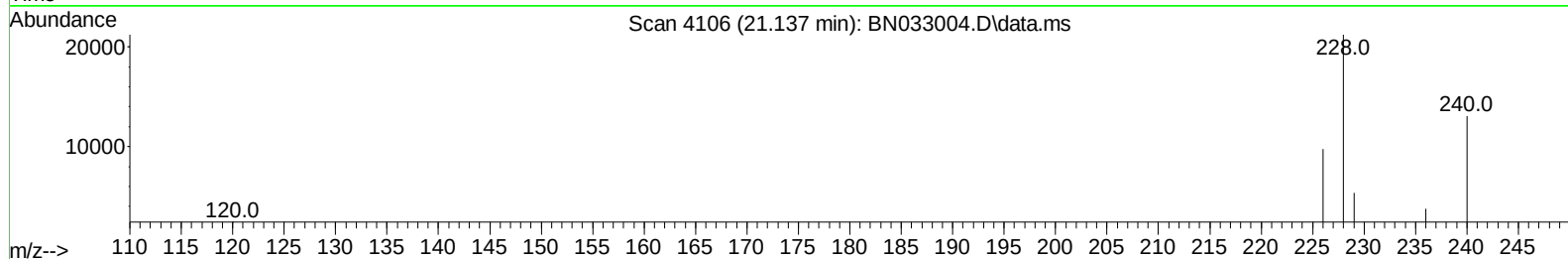
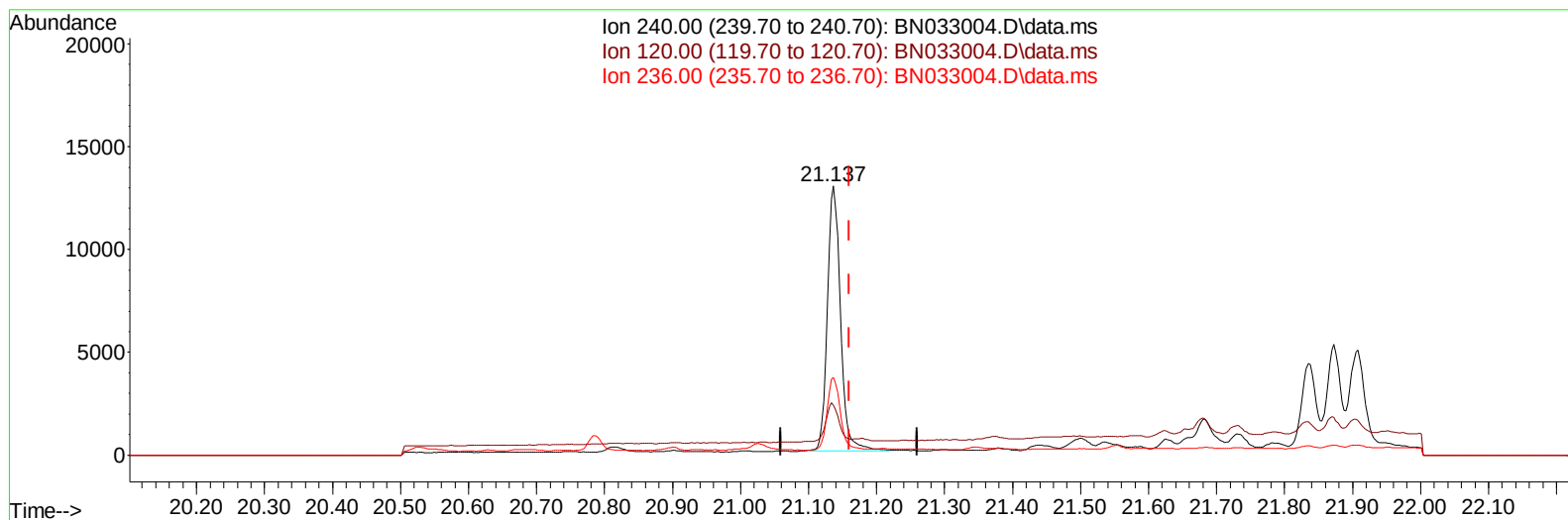
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/29/2024
Supervised By :mohammad ahmed 08/13/2024

Quant Time: Jul 26 23:33:49 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 : Thu Jul 25 15:43:00 2024
Response via : Initial Calibration



TIC: BN033004.D\data.ms

(17) Chrysene-d12

21.137min (-0.023) 0.40 ng/ul m

response 17240

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	18.56
236.00	29.50	28.88
0.00	0.00	0.00

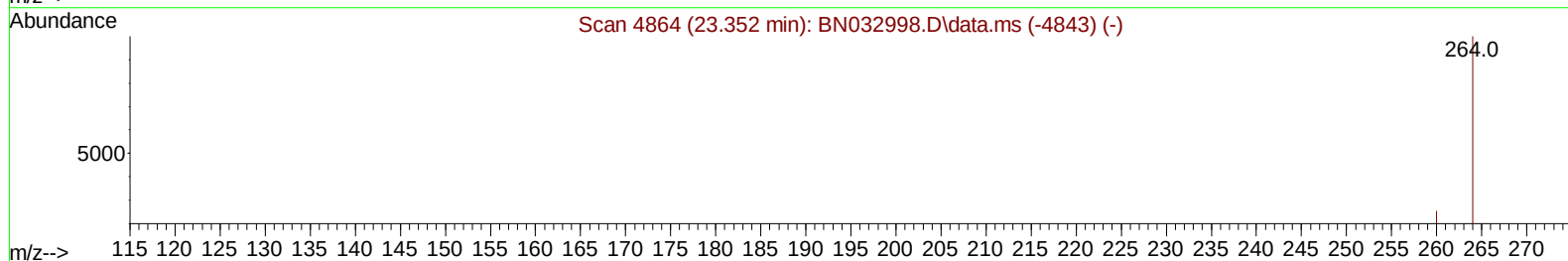
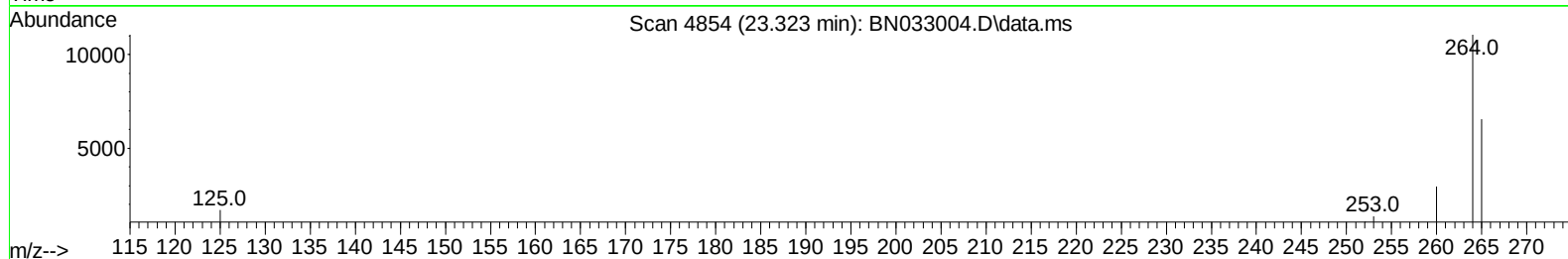
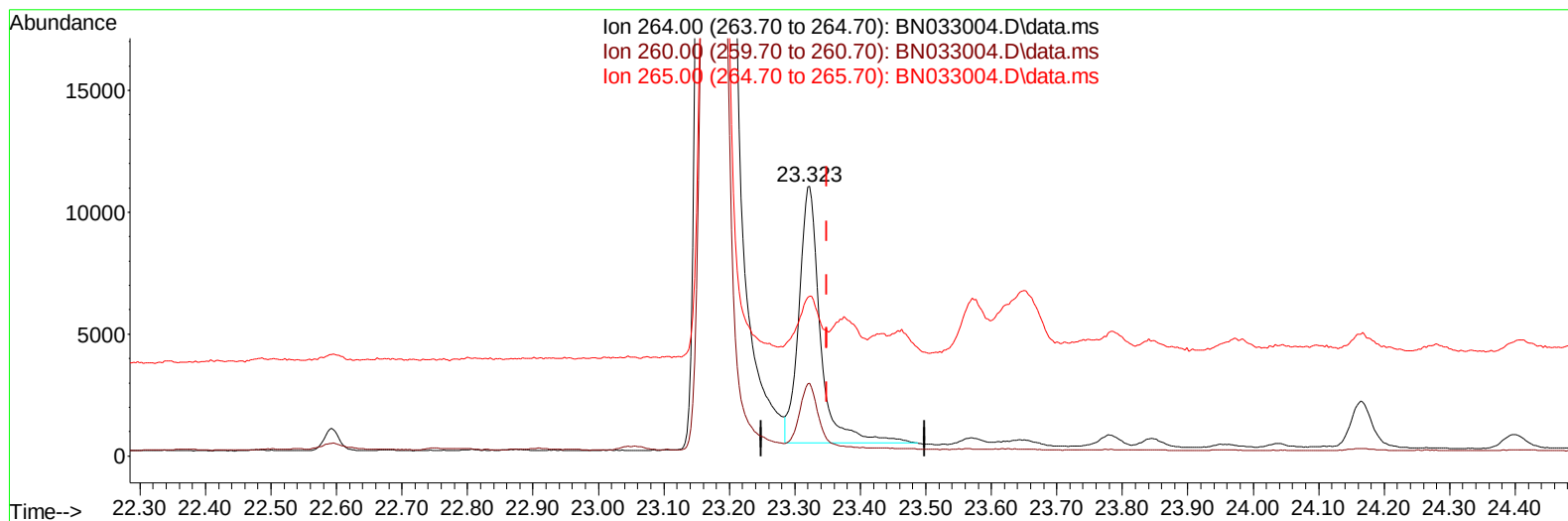
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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TIC: BN033004.D\data.ms

(23) Perylene-d12 (I)

23.323min (-0.026) 0.40 ng/u1

response 24077

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.93
265.00	80.60	59.31#
0.00	0.00	0.00

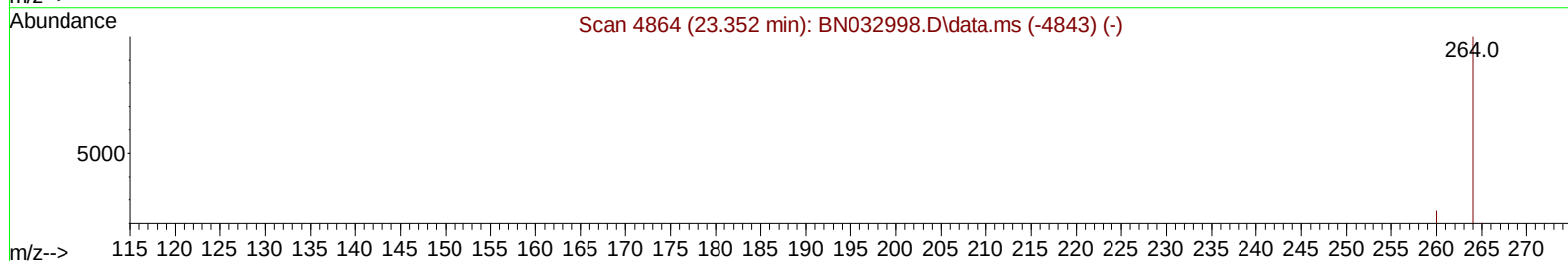
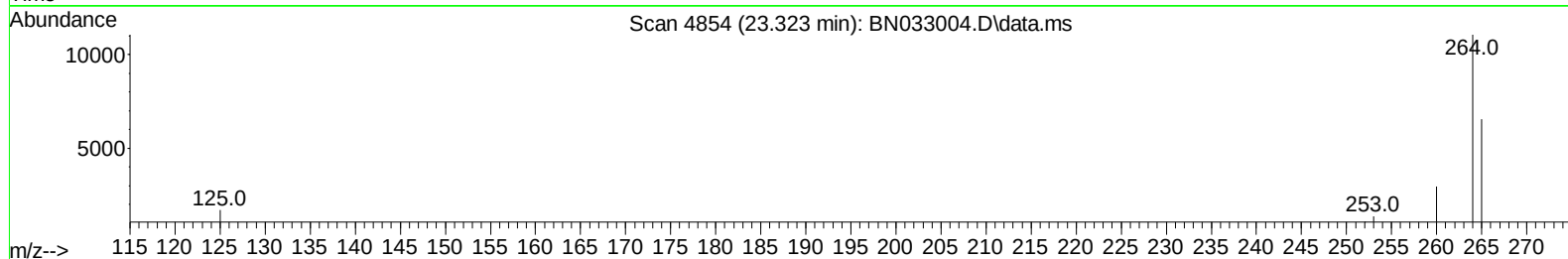
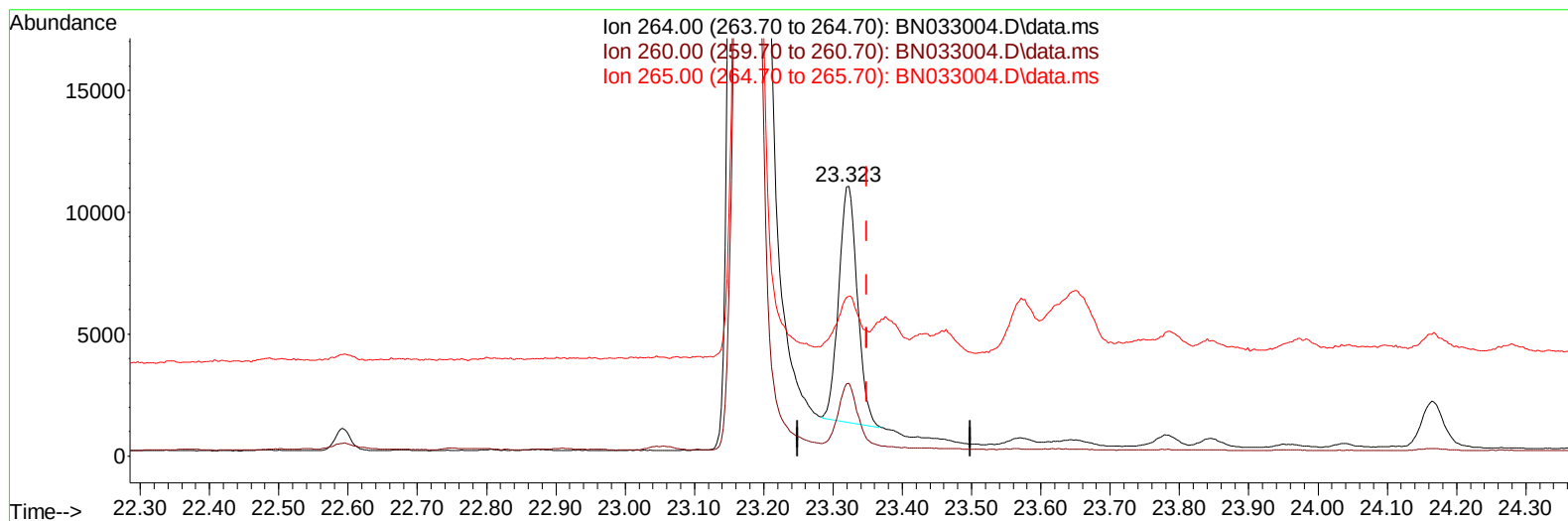
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN033004.D\data.ms

(23) Perylene-d12 (I)

23.323min (-0.026) 0.40 ng/ul m

response 18147

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.93
265.00	80.60	59.31#
0.00	0.00	0.00

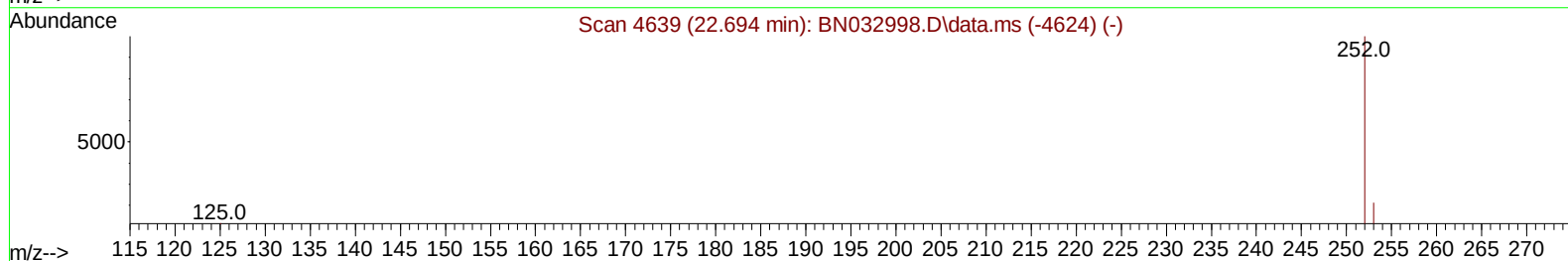
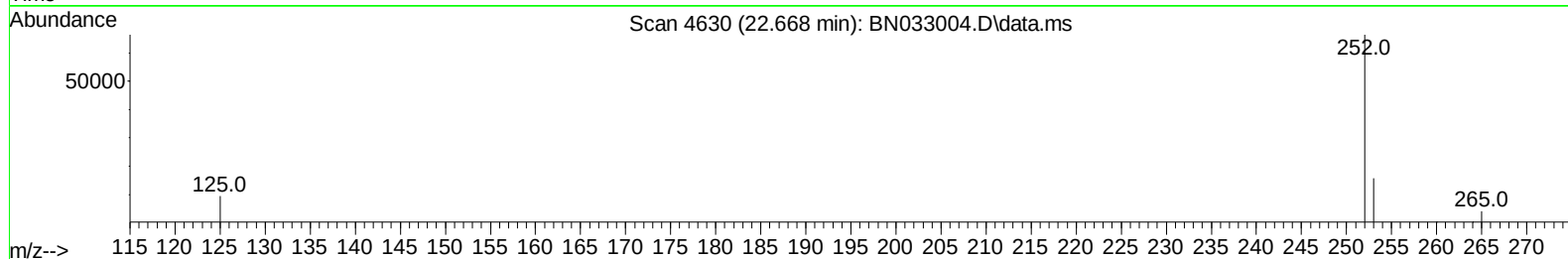
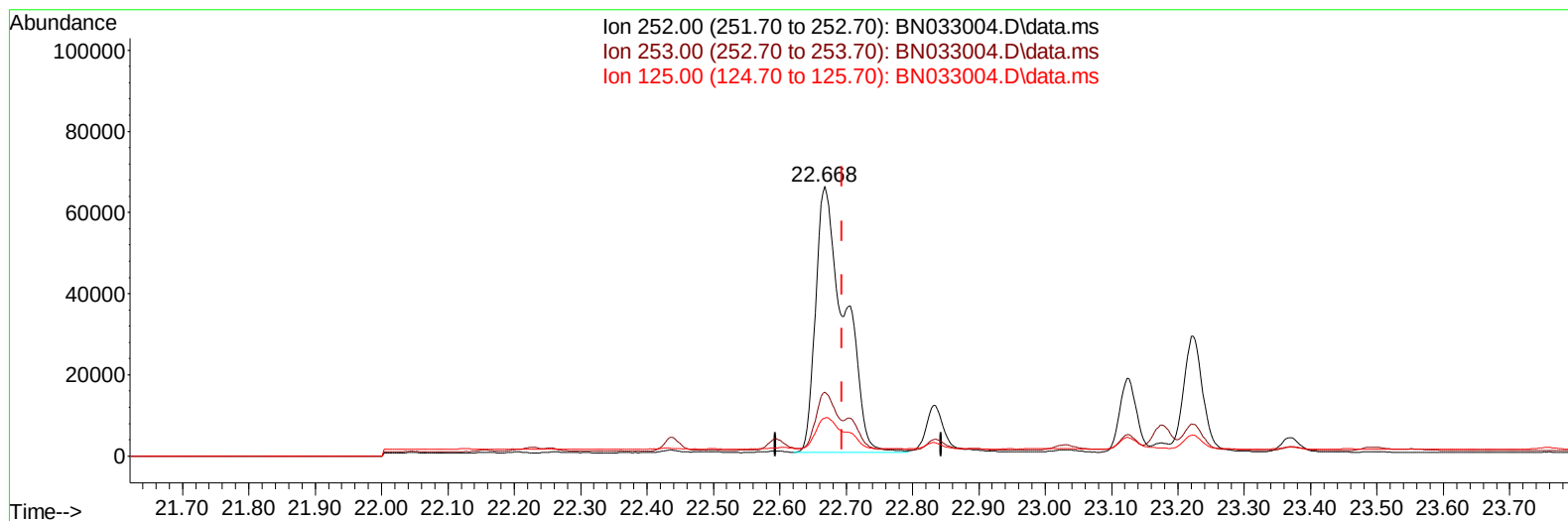
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/29/2024
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QLast Update : Thu Jul 25 15:43:00 2024
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TIC: BN033004.D\data.ms

(24) Benzo(b)fluoranthene

22.668min (-0.026) 3.72 ng/uI

response 197297

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	23.65
125.00	25.50	14.12
0.00	0.00	0.00

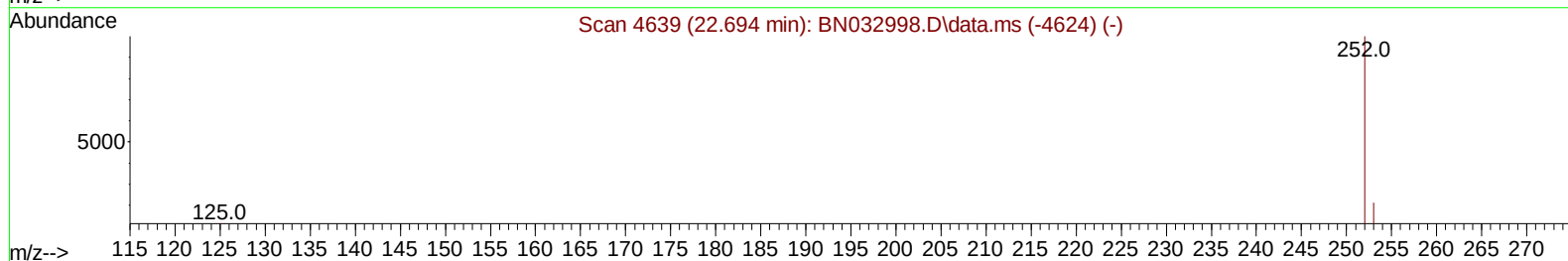
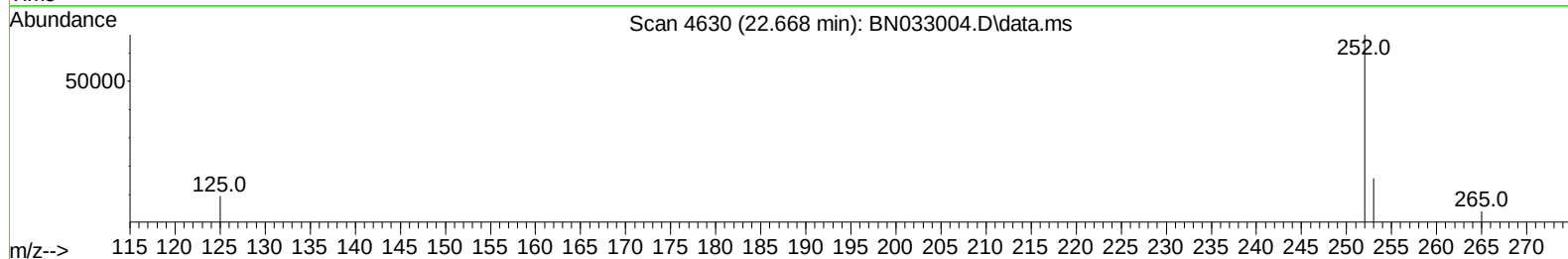
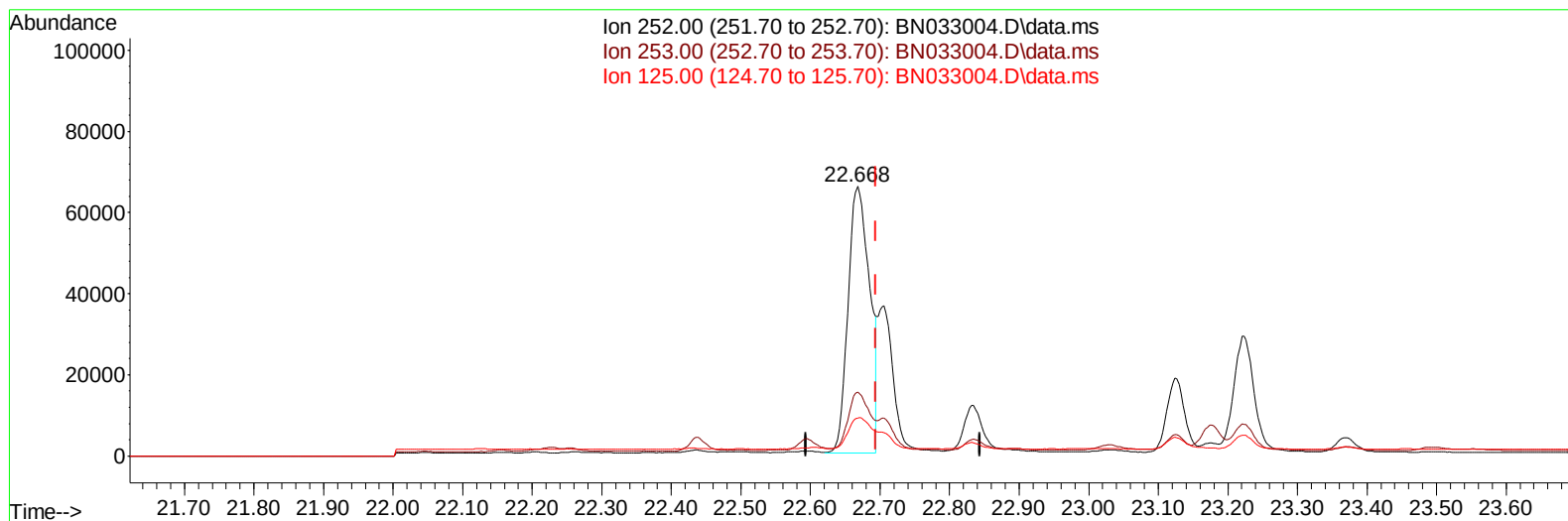
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 2024
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TIC: BN033004.D\data.ms

(24) Benzo(b)fluoranthene

22.668min (-0.026) 2.68 ng/ul m

response 142086

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	23.65
125.00	25.50	14.12
0.00	0.00	0.00

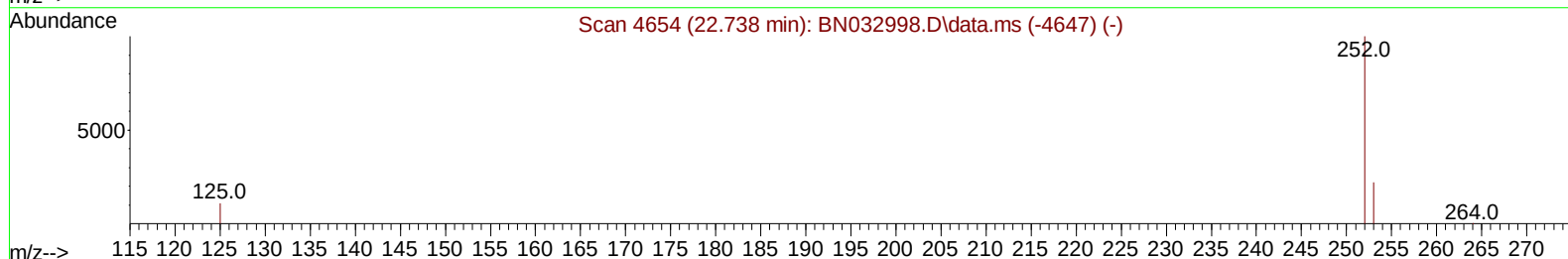
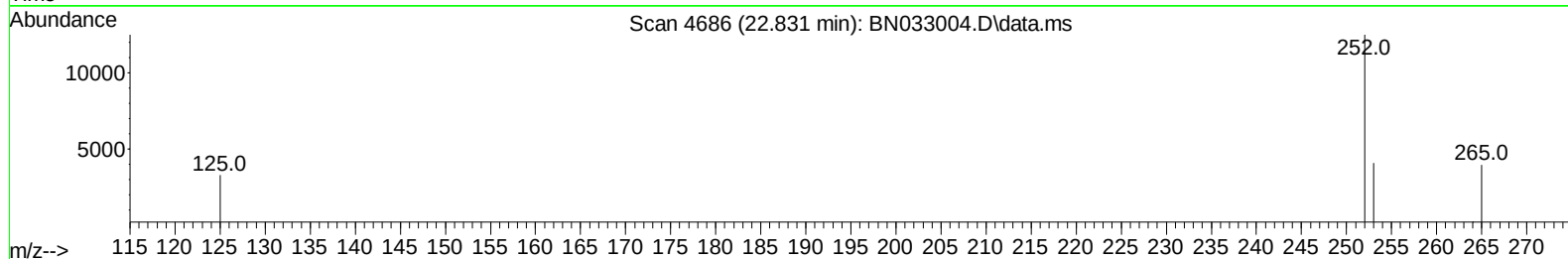
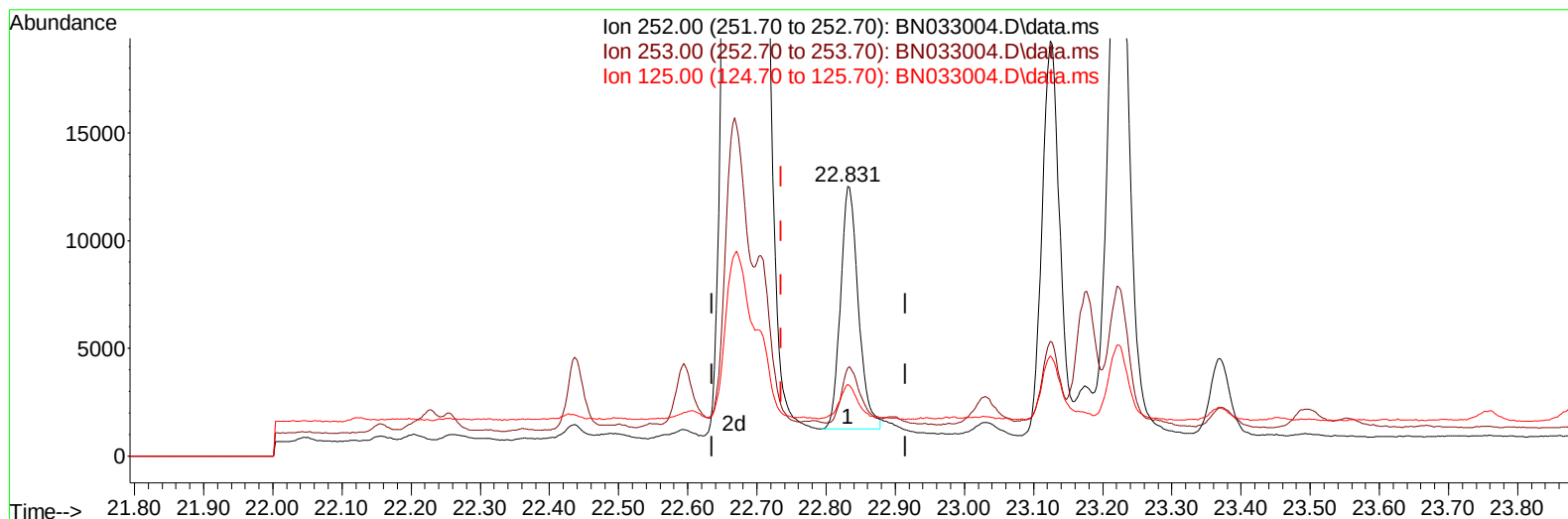
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
Data File : BN033004.D
Acq On : 26 Jul 2024 19:27
Operator : MA/JU
Sample : P3264-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 08/13/2024



TIC: BN033004.D\data.ms

(25) Benzo(k)fluoranthene

22.831min (+ 0.097) 0.32 ng/u1

response 20233

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	32.62
125.00	26.10	26.44
0.00	0.00	0.00

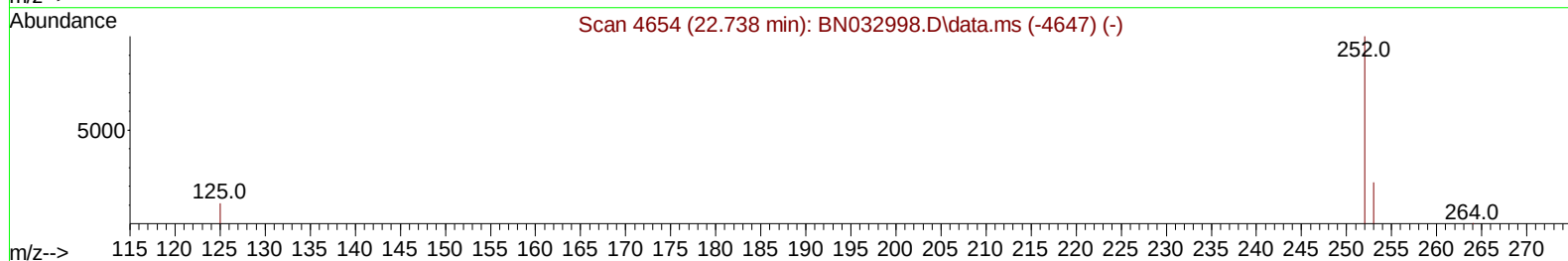
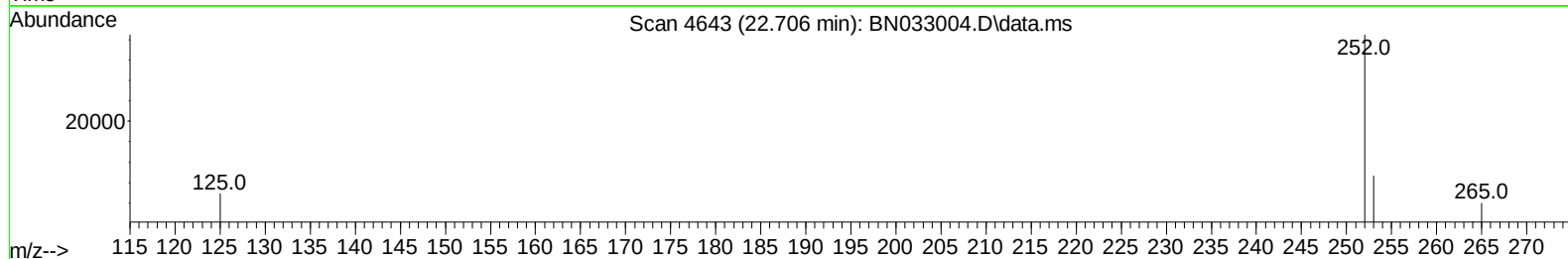
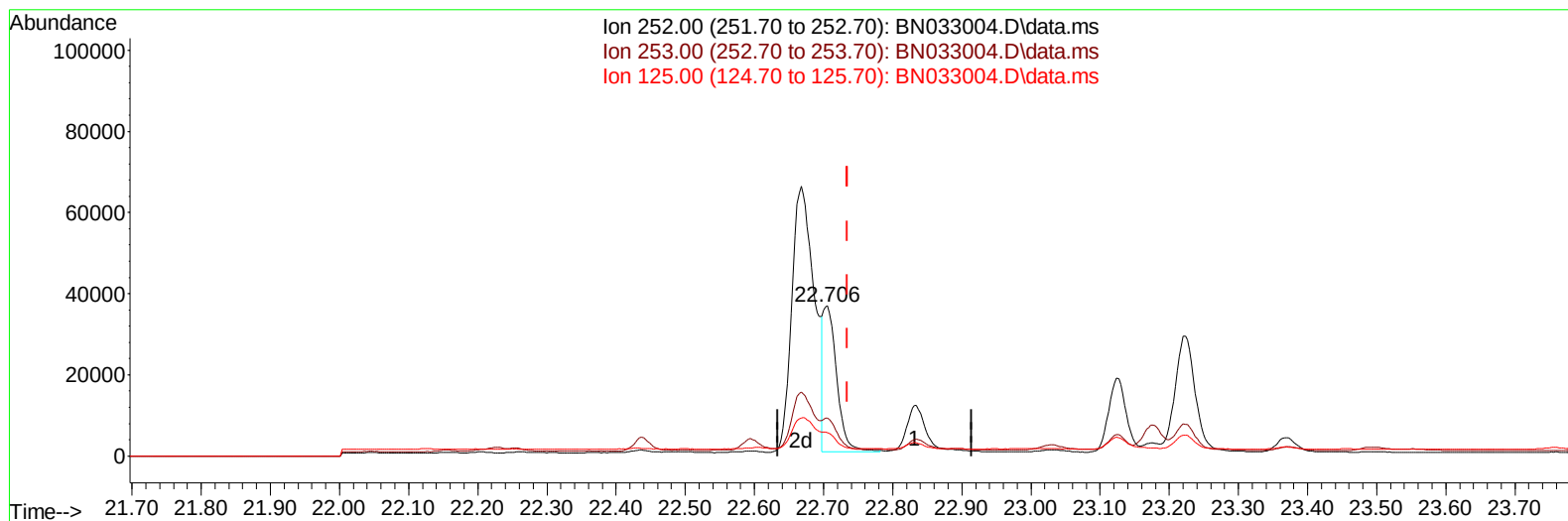
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
 Data File : BN033004.D
 Acq On : 26 Jul 2024 19:27
 Operator : MA/JU
 Sample : P3264-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CL9

Manual IntegrationsAPPROVED

Quant Time: Jul 26 23:33:49 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 : Thu Jul 25 15:43:00 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/29/2024
 Supervised By :mohammad ahmed 08/13/2024



TIC: BN033004.D\data.ms

(25) Benzo(k)fluoranthene

22.706min (-0.029) 0.78 ng/ul m

response 49624

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	25.14
125.00	26.10	15.70#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072624\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.507	152	3952	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.267	136	13825	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.152	164	6701	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.916	188	14581m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.137	240	17240m	0.400	ng/ul	-0.02
23) Perylene-d12	23.323	264	18147m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	13319	2.664	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.890	152	2920	0.129	ng/ul	-0.02
18) Fluoranthene-d10	18.958	212	7596	0.156	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.317	128	2116	0.060	ng/ul#	92
7) 2-Methylnaphthalene	11.967	142	738	0.031	ng/ul	96
8) 1-Methylnaphthalene	12.187	142	682	0.026	ng/ul	97
10) Acenaphthylene	13.870	152	9871	0.360	ng/ul	100
11) Acenaphthene	14.217	153	2405	0.117	ng/ul	99
12) Fluorene	15.216	166	4622	0.192	ng/ul	99
15) Phenanthrene	16.954	178	89279m	2.283	ng/ul	
16) Anthracene	17.051	178	17130m	0.487	ng/ul	
19) Fluoranthene	18.991	202	200191	3.527	ng/ul	96
20) Pyrene	19.353	202	167646	2.754	ng/ul	98
21) Benzo(a)anthracene	21.122	228	113917	1.937	ng/ul	100
22) Chrysene	21.172	228	104365	1.521	ng/ul	99
24) Benzo(b)fluoranthene	22.668	252	142086m	2.680	ng/ul	
25) Benzo(k)fluoranthene	22.706	252	49624m	0.781	ng/ul	
26) Benzo(a)pyrene	23.220	252	58357	1.170	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.520	276	49289	0.650	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.514	278	15406	0.256	ng/ul	95
29) Benzo(g,h,i)perylene	26.201	276	7076	0.117	ng/ul#	84

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

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