

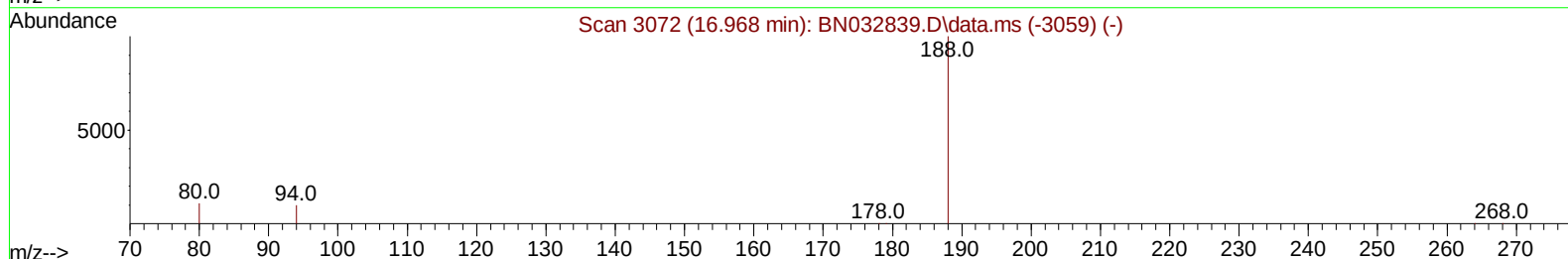
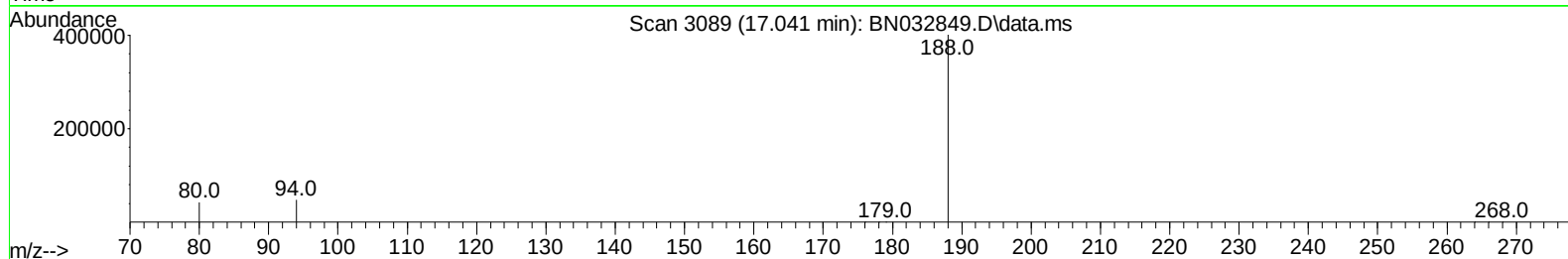
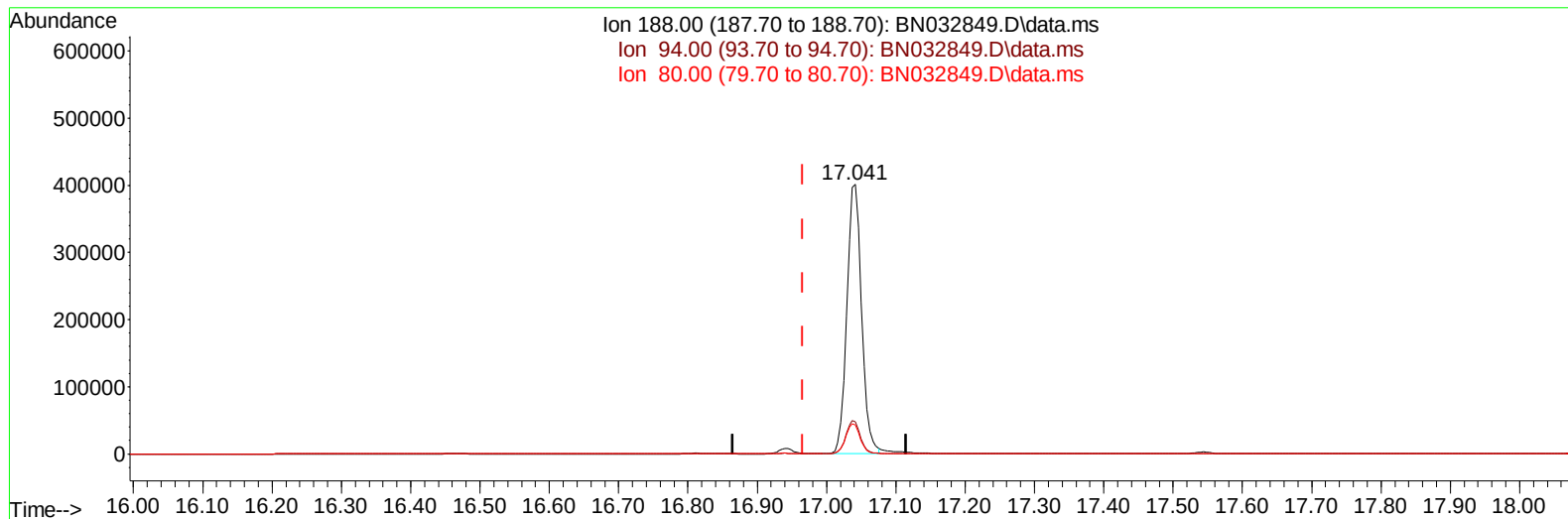
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 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: BN032849.D\data.ms

(13) Phenanthrene-d10 (I)

17.041min (+ 0.076) 0.40 ng/u1

response 590443

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.82
80.00	12.00	10.64
0.00	0.00	0.00

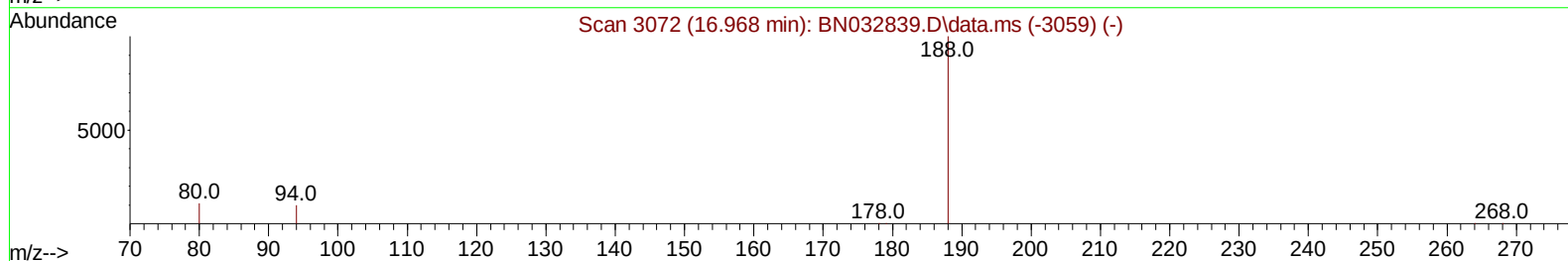
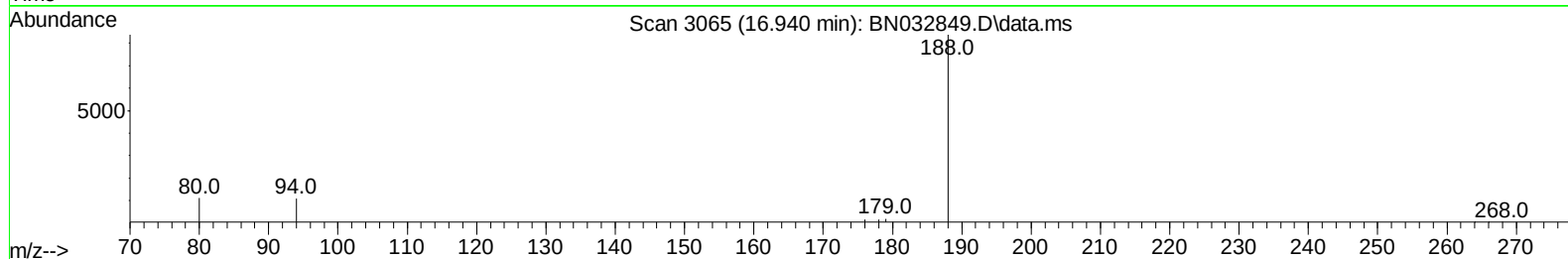
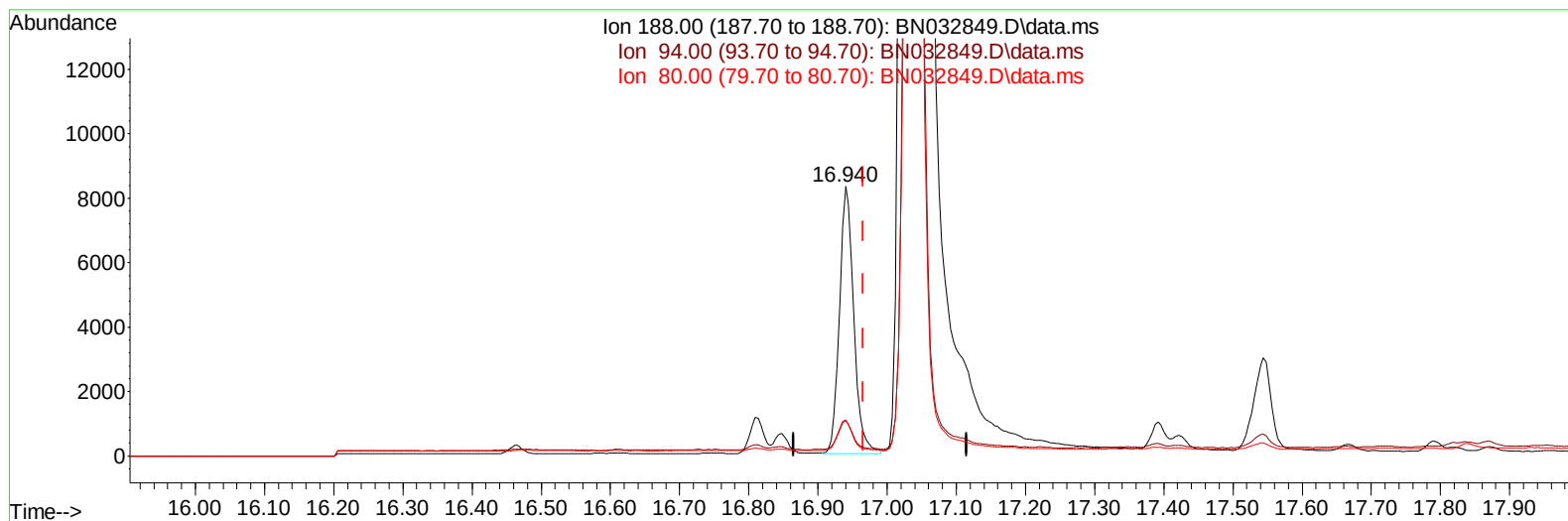
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032849.D\data.ms

(13) Phenanthrene-d10 (I)

16.940min (-0.025) 0.40 ng/ul m

response 11940

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	13.21#
80.00	12.00	13.42
0.00	0.00	0.00

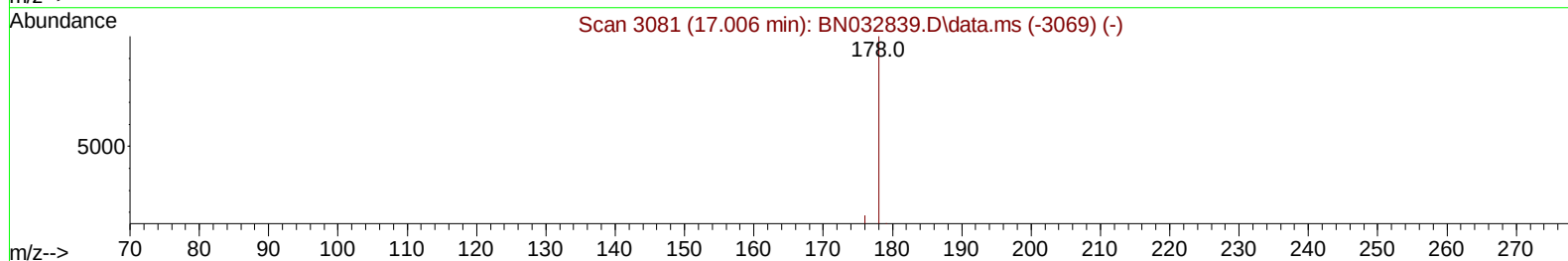
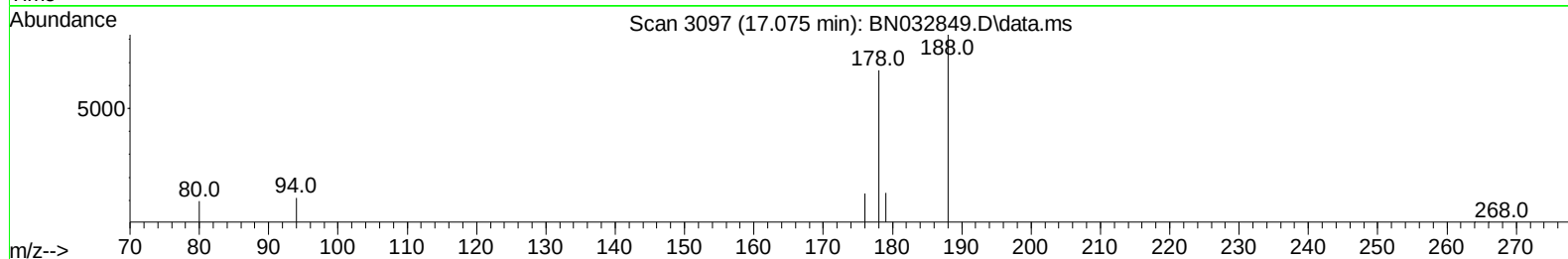
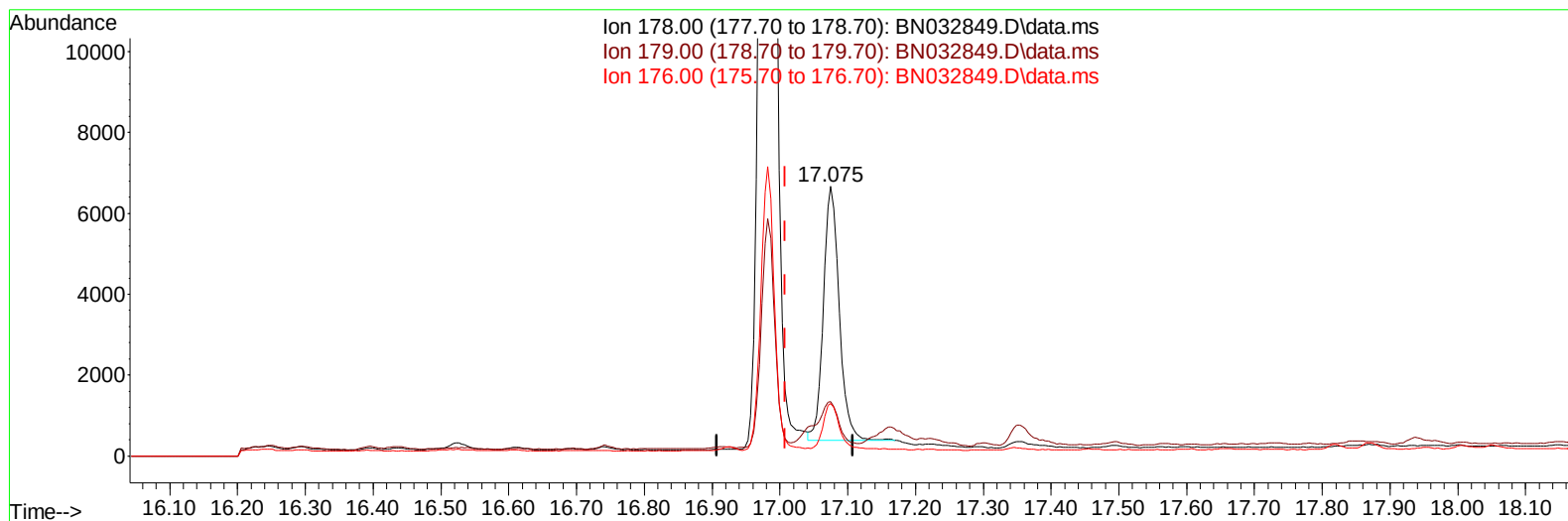
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032849.D\data.ms

(15) Phenanthrene

17.075min (+ 0.068) 0.31 ng/ul

response 10045

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	20.09#
176.00	19.50	19.52
0.00	0.00	0.00

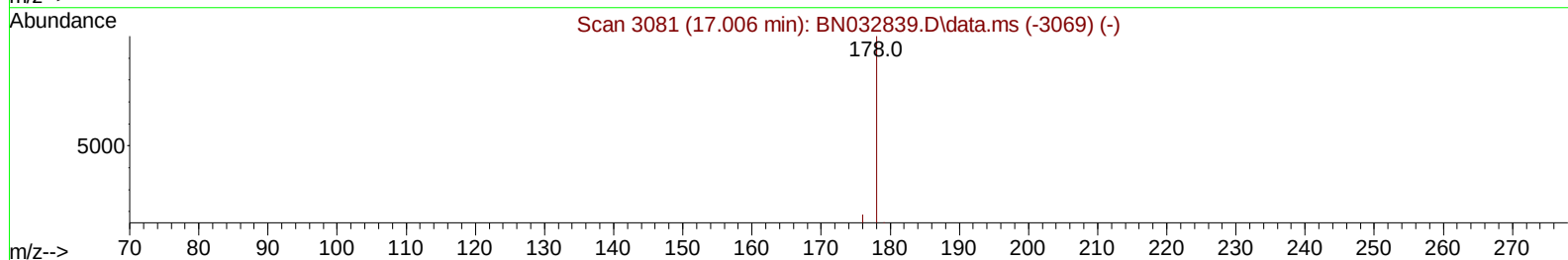
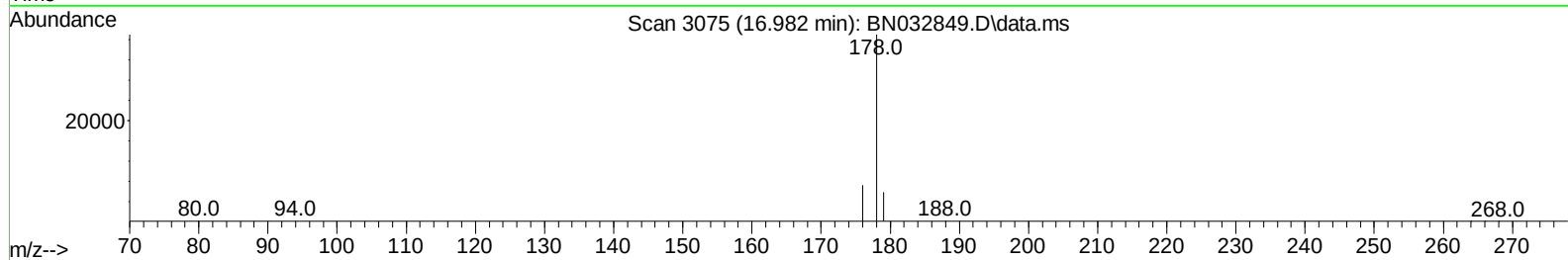
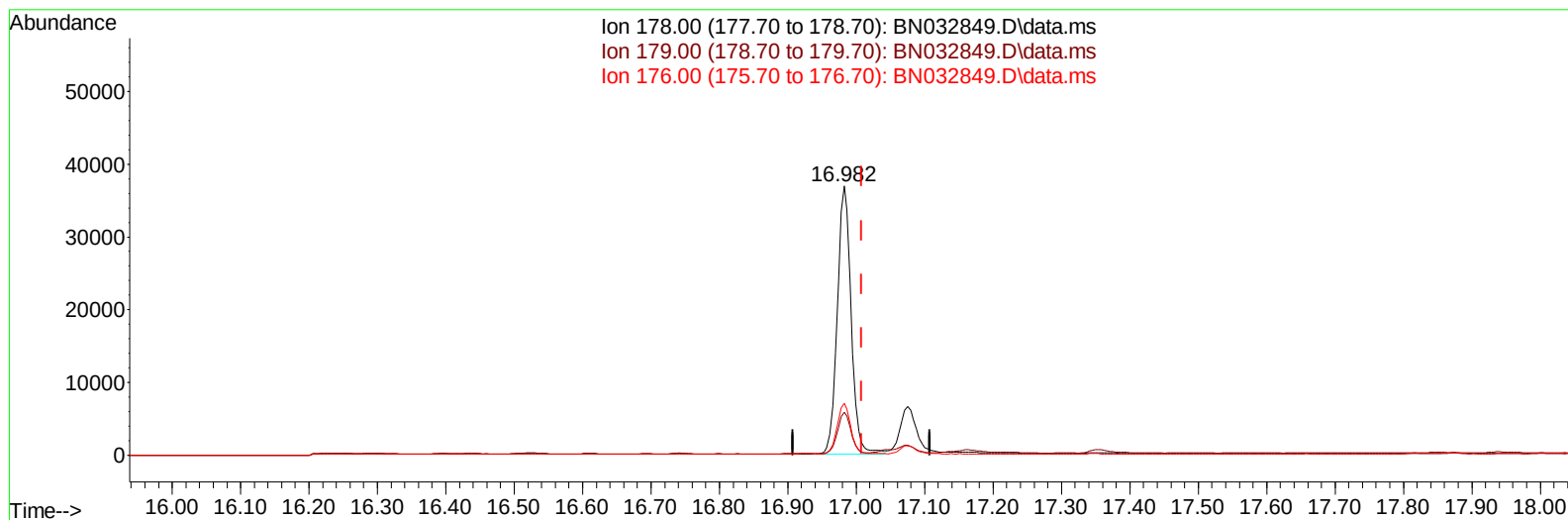
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032849.D\data.ms

(15) Phenanthrene

16.982min (-0.025) 1.61 ng/ul m

response 52390

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.86
176.00	19.50	19.33
0.00	0.00	0.00

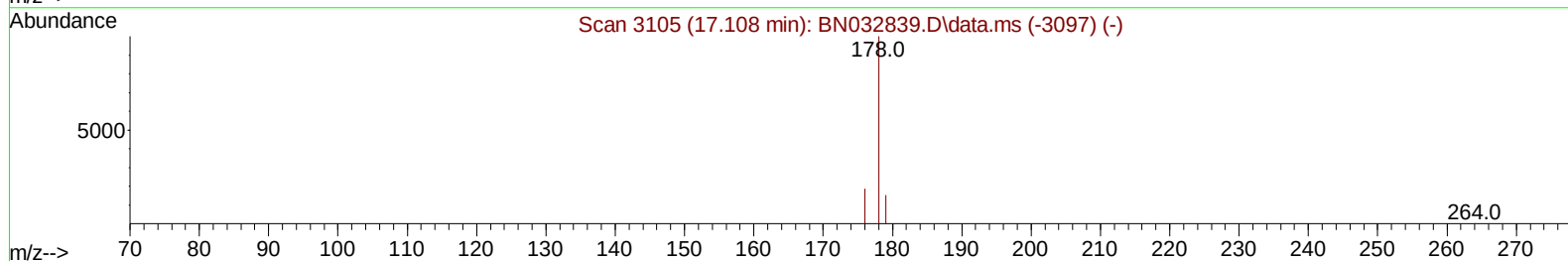
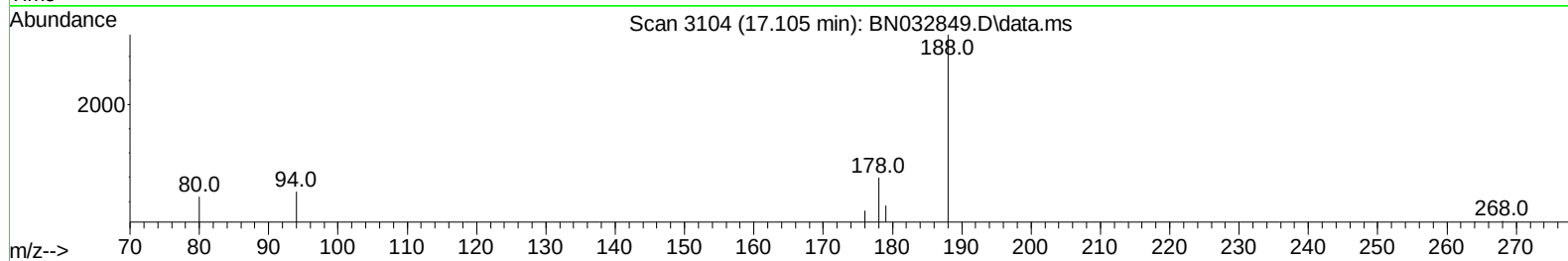
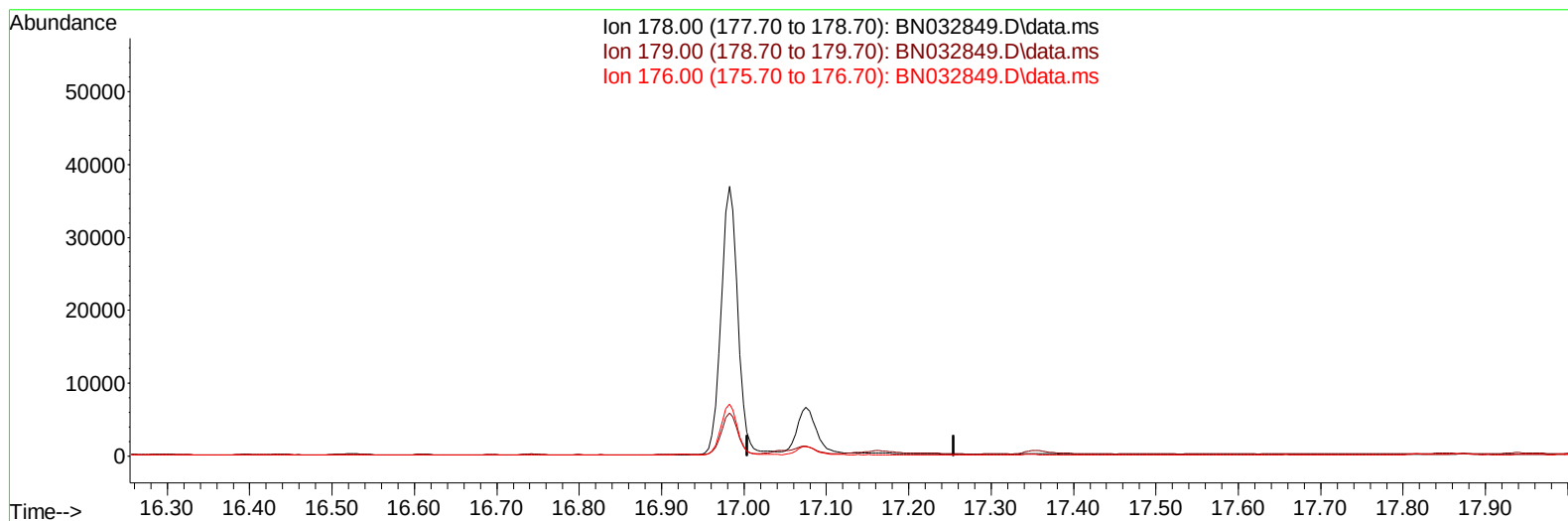
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

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TIC: BN032849.D\data.ms

(16) Anthracene

17.105min (-17.105) 0.00 ng/u1

response 0

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

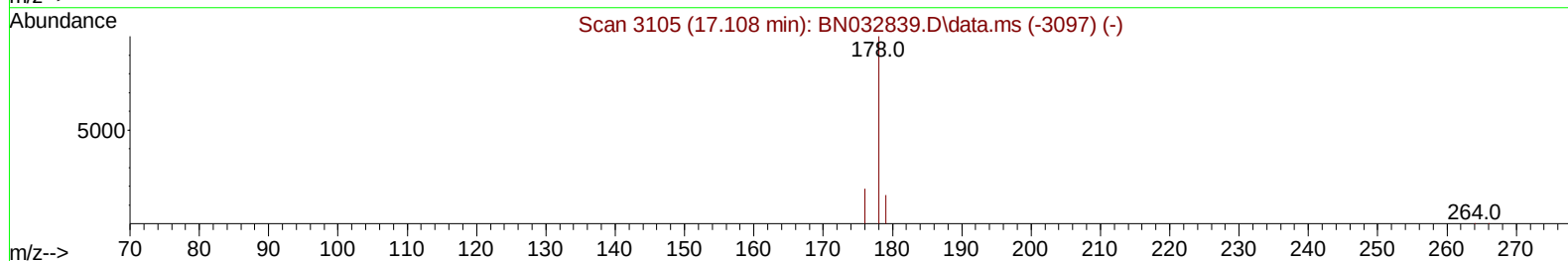
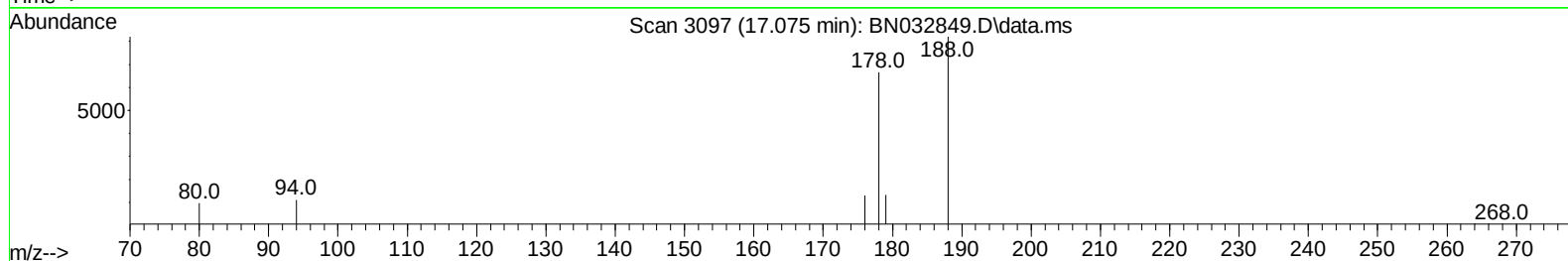
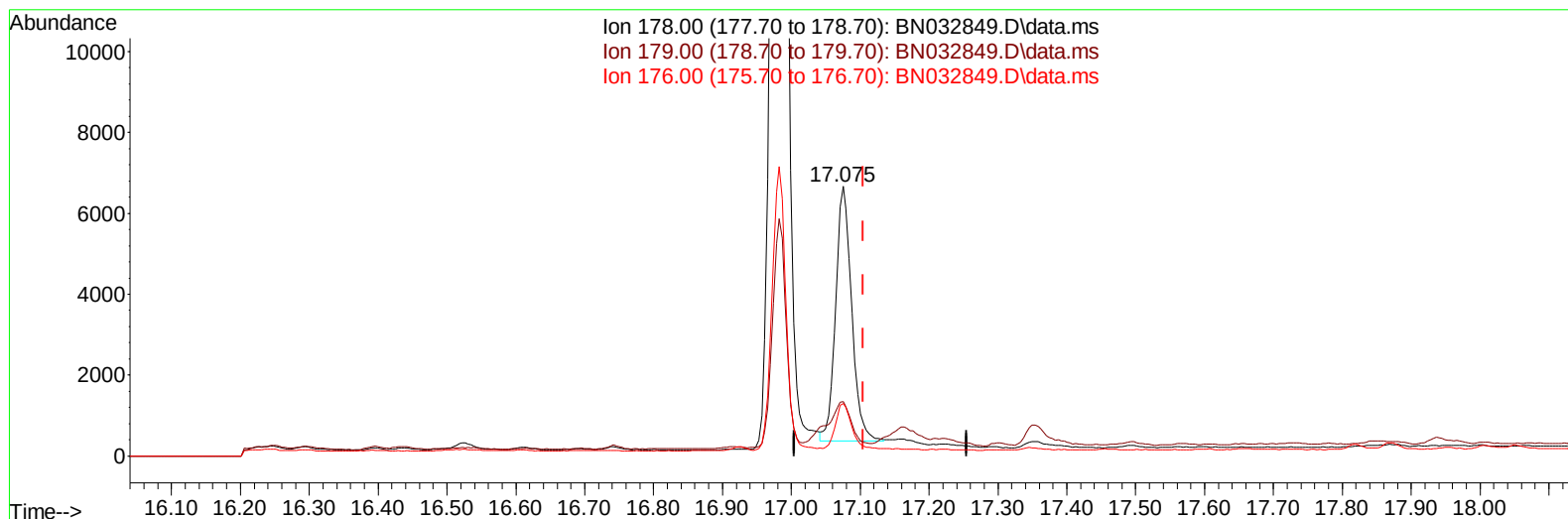
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032849.D\data.ms

(16) Anthracene

17.075min (-0.030) 0.38 ng/ul m

response 10129

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	20.09
176.00	19.20	19.52
0.00	0.00	0.00

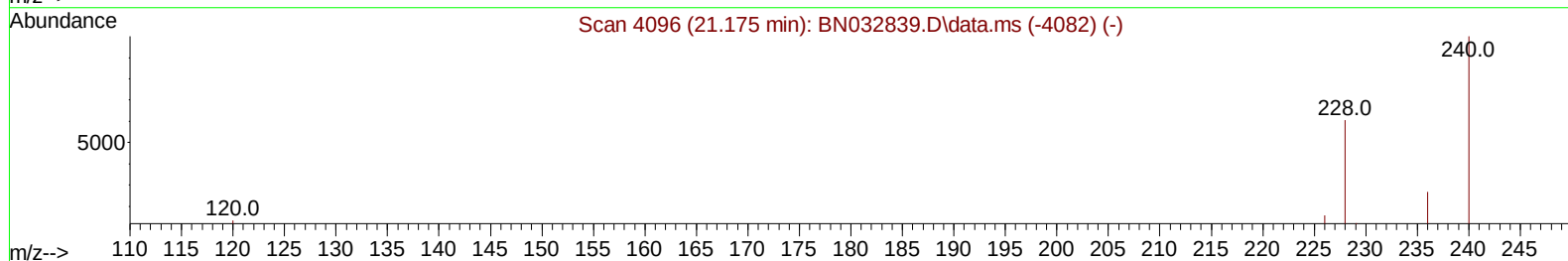
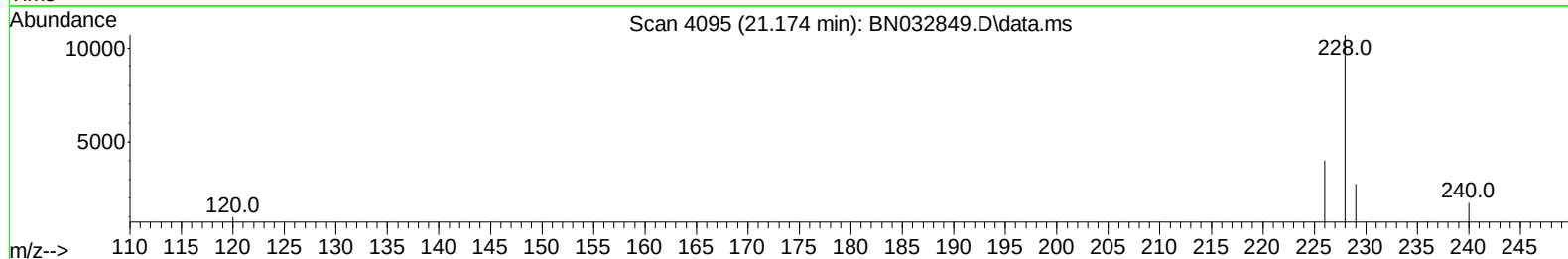
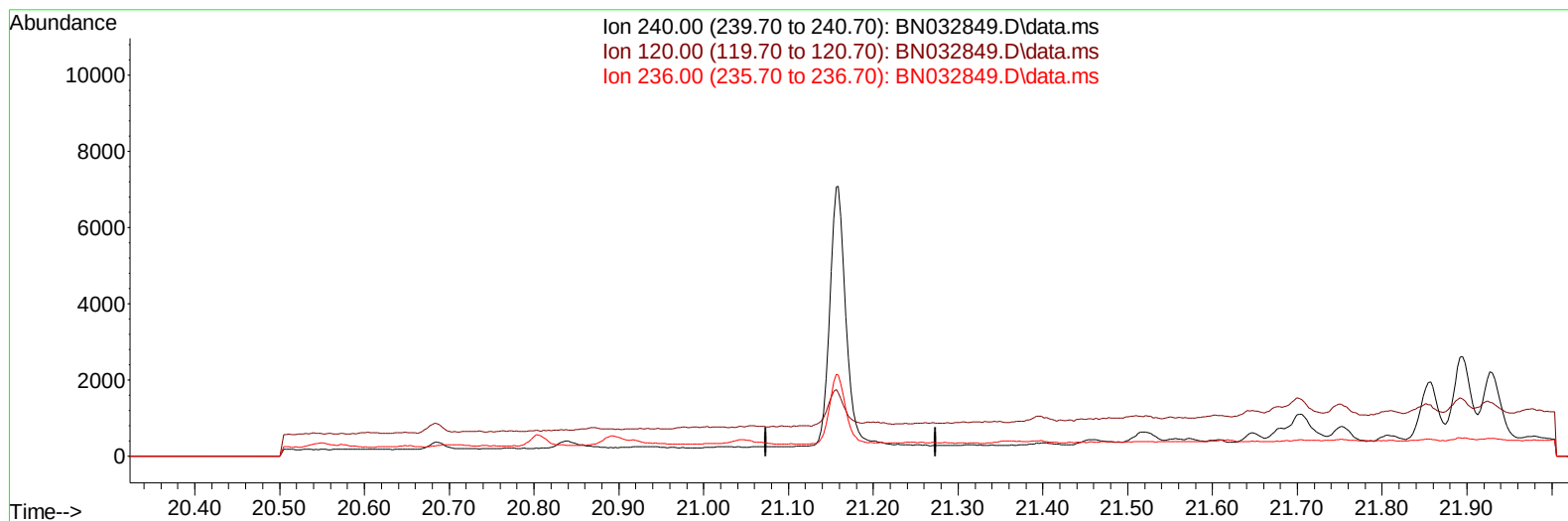
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

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TIC: BN032849.D\data.ms

(17) Chrysene-d12

21.174min (-21.174) 0.00 ng/ul

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

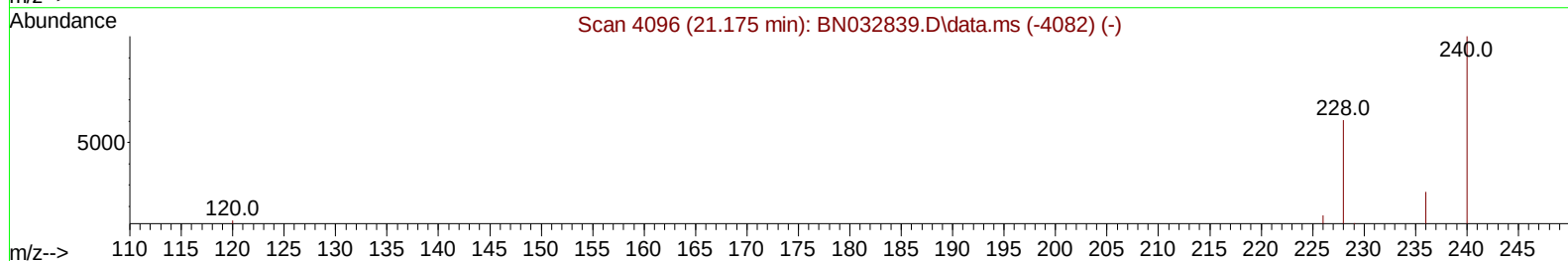
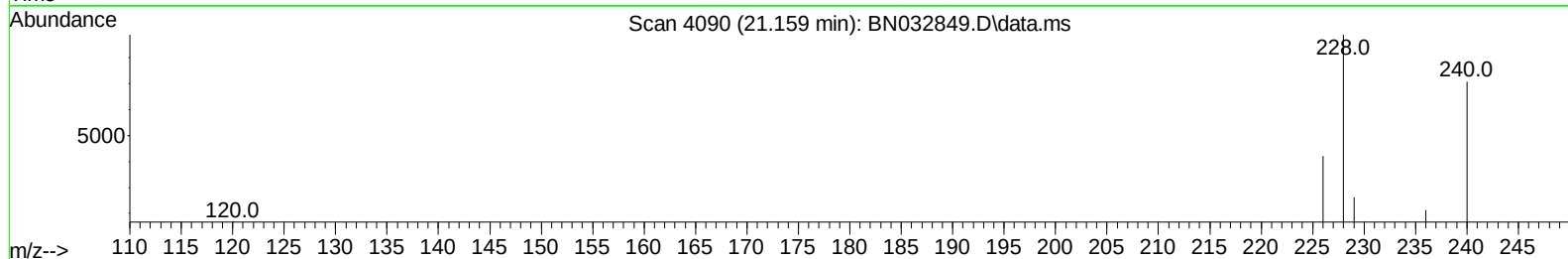
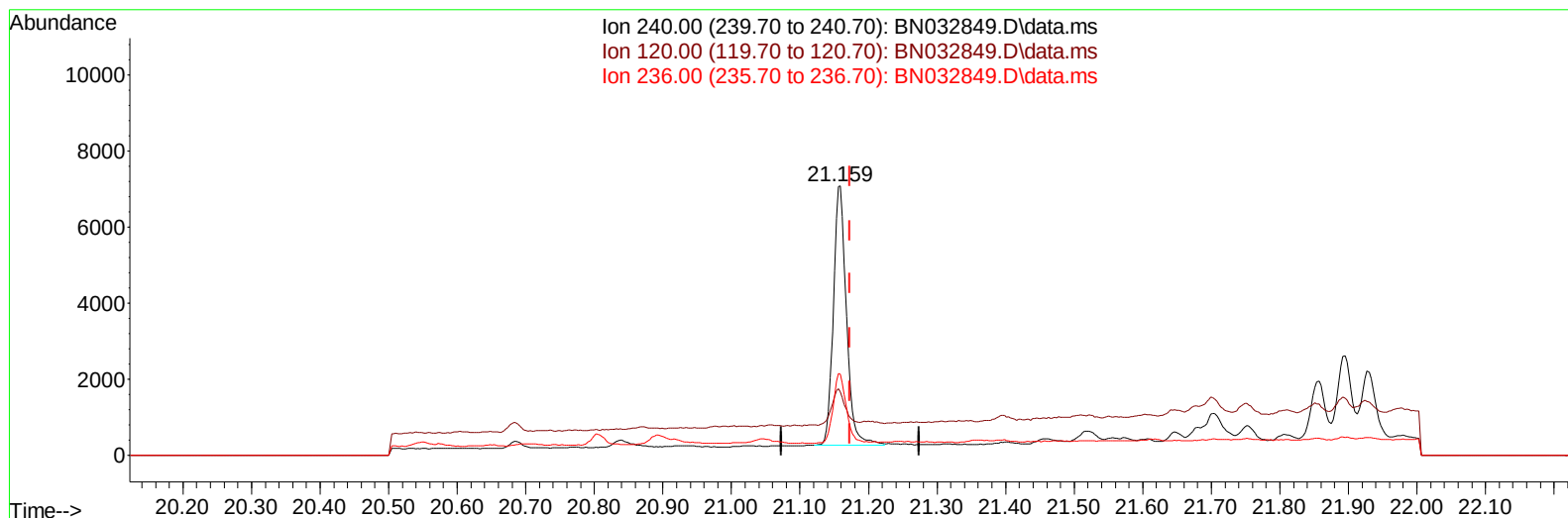
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

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

Quant Time: Jul 19 23:20:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BN032849.D\data.ms

(17) Chrysene-d12

21.159min (-0.015) 0.40 ng/ul m

response 9103

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	23.54#
236.00	28.40	30.03
0.00	0.00	0.00

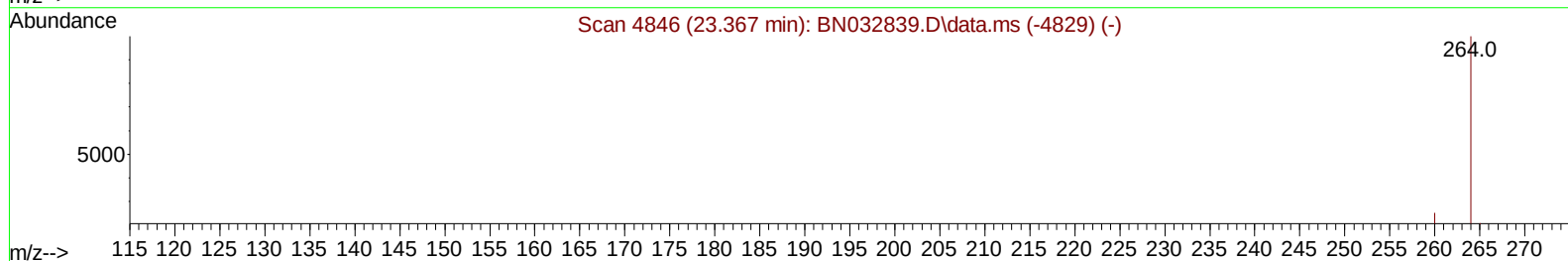
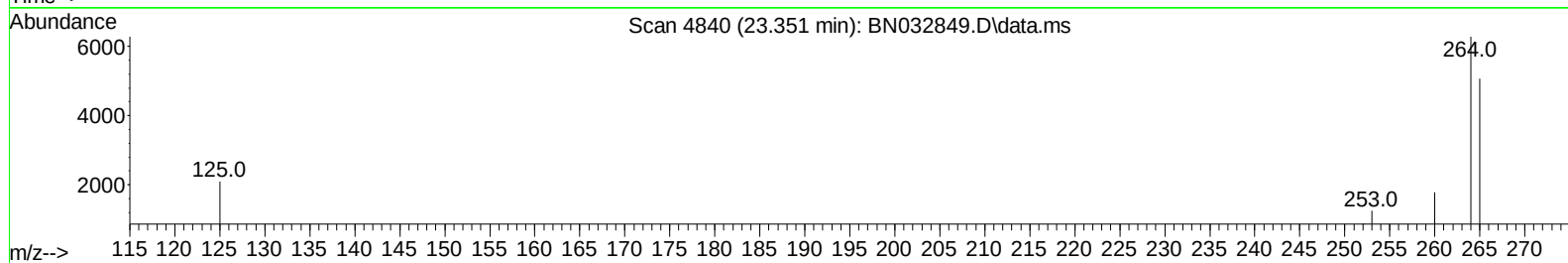
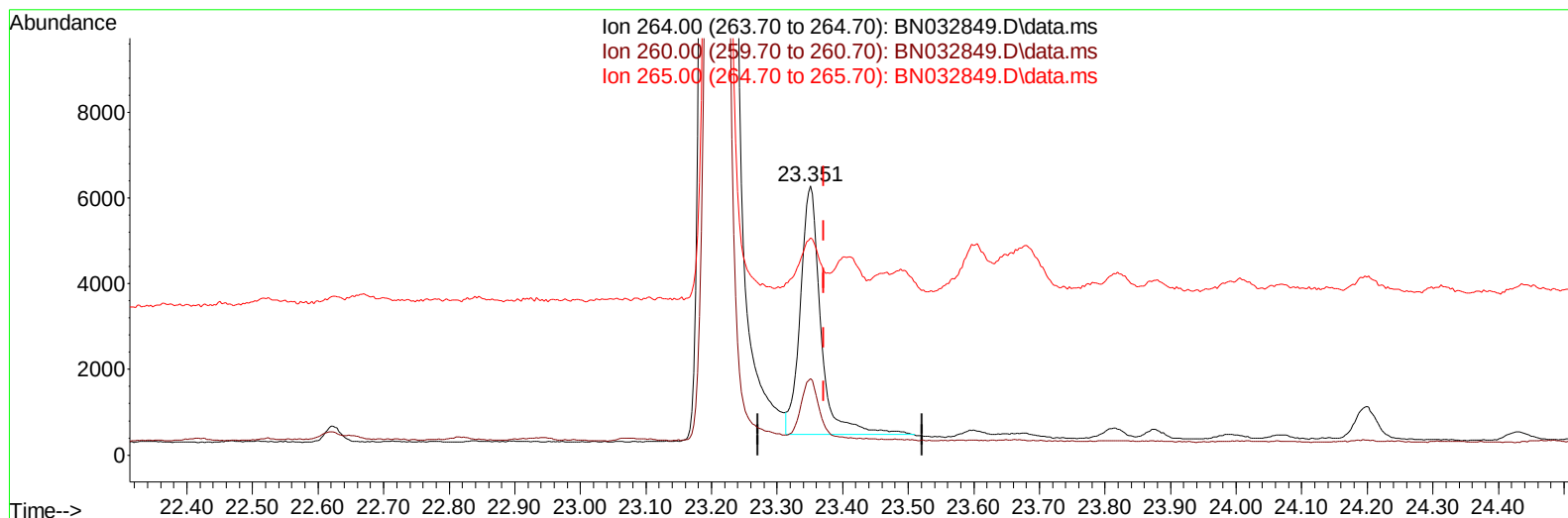
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032849.D\data.ms

(23) Perylene-d12 (I)

23.351min (-0.020) 0.40 ng/u1

response 12699

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.54
265.00	95.50	80.64
0.00	0.00	0.00

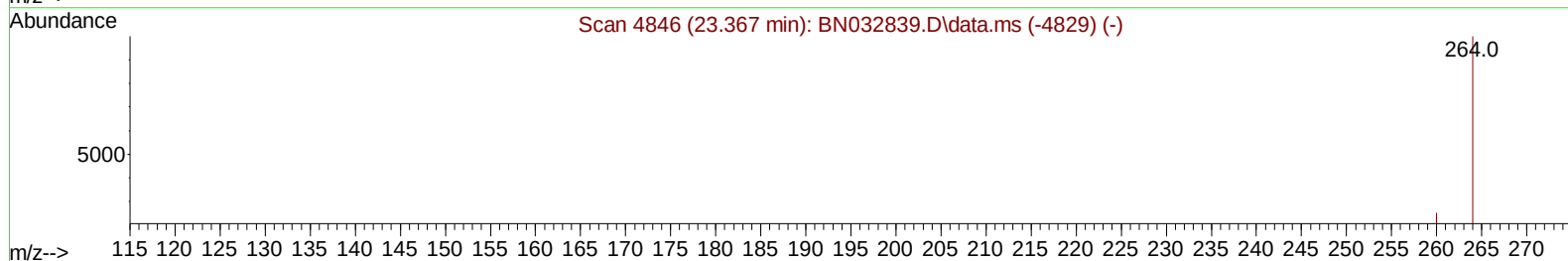
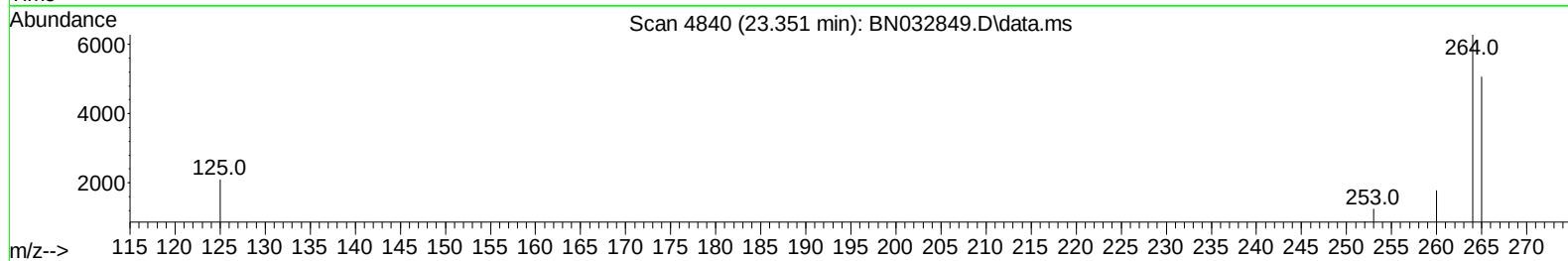
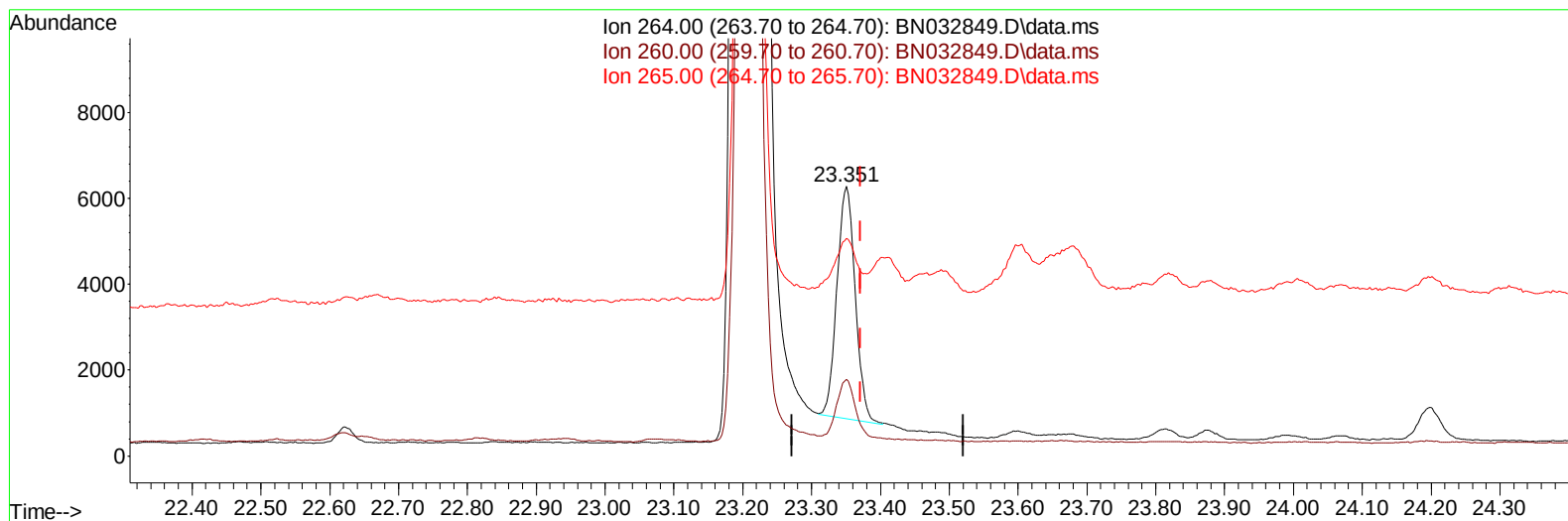
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032849.D\data.ms

(23) Perylene-d12 (I)

23.351min (-0.020) 0.40 ng/ul m

response 9950

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.54
265.00	95.50	80.64
0.00	0.00	0.00

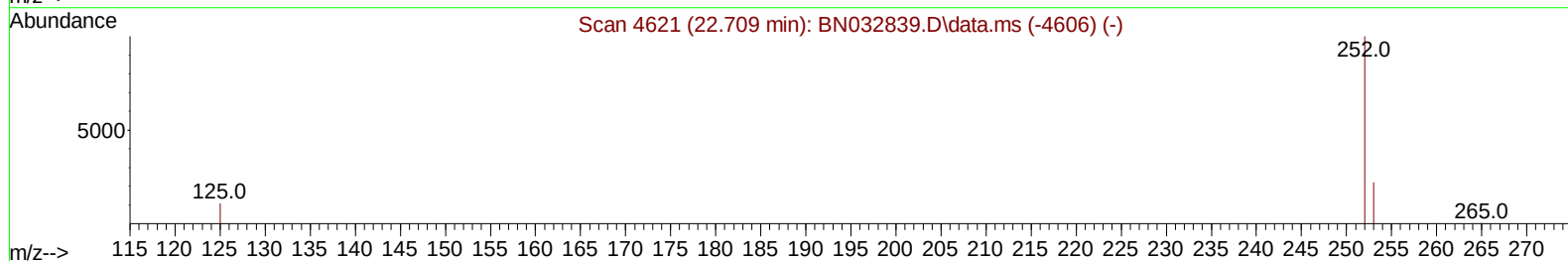
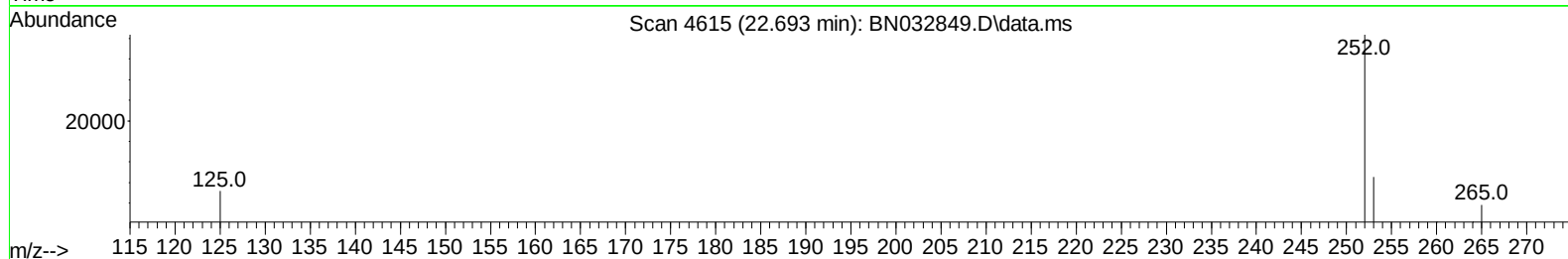
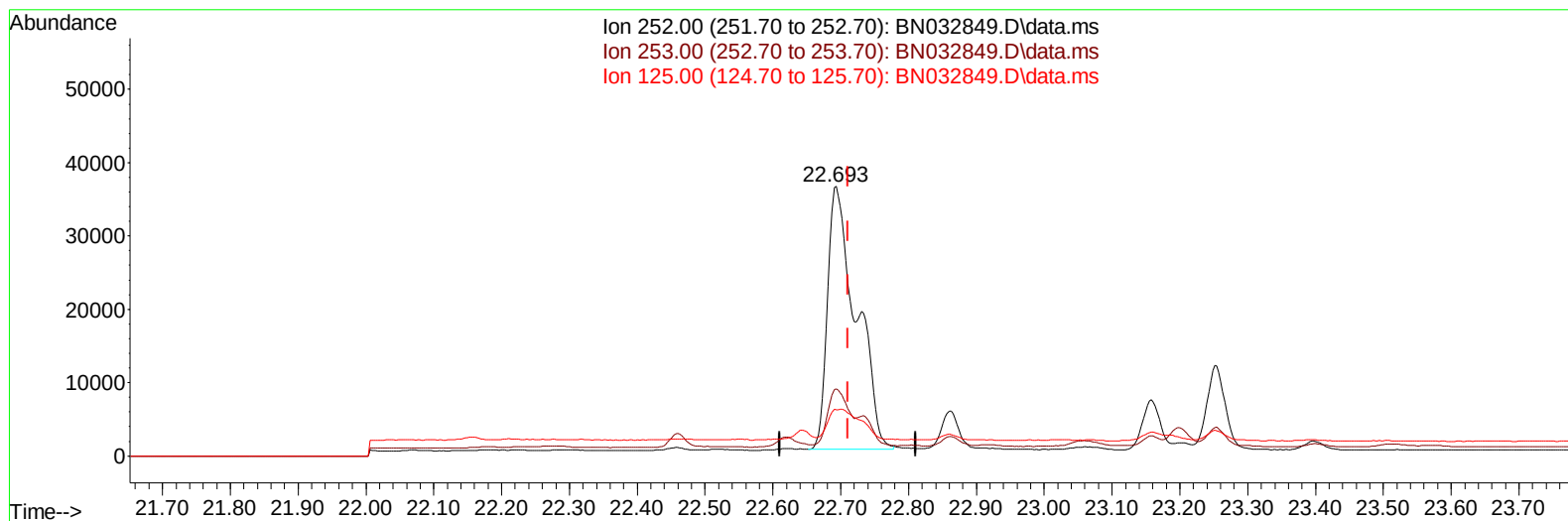
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

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TIC: BN032849.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.018) 3.00 ng/u1

response 105361

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.85
125.00	18.00	17.23
0.00	0.00	0.00

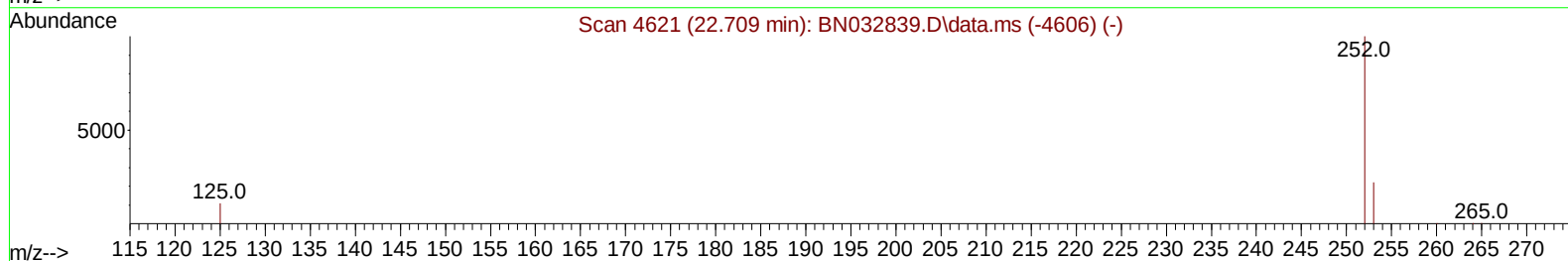
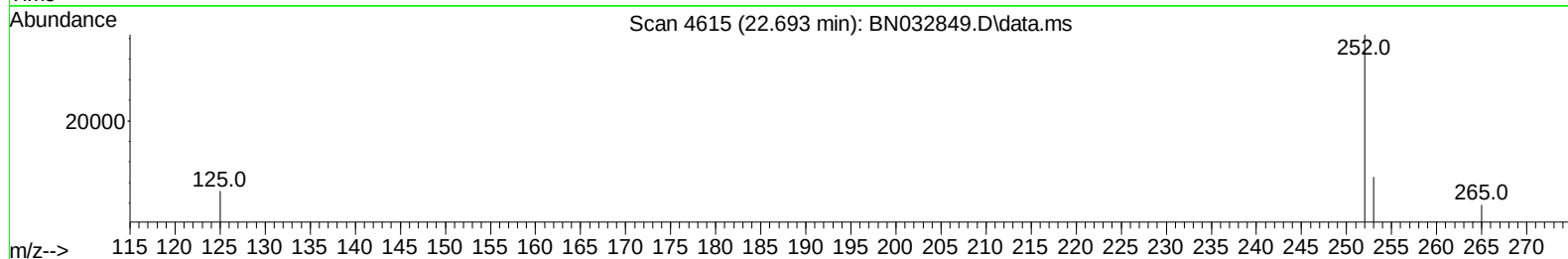
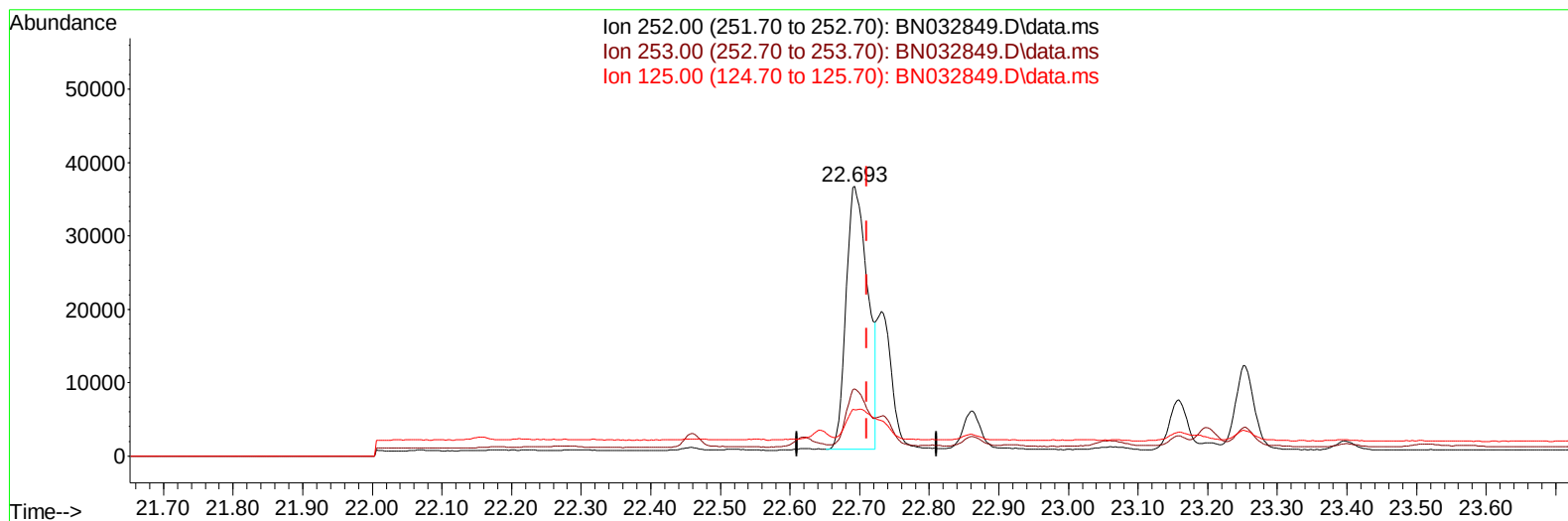
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

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TIC: BN032849.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.018) 2.23 ng/ul m

response 78300

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.85
125.00	18.00	17.23
0.00	0.00	0.00

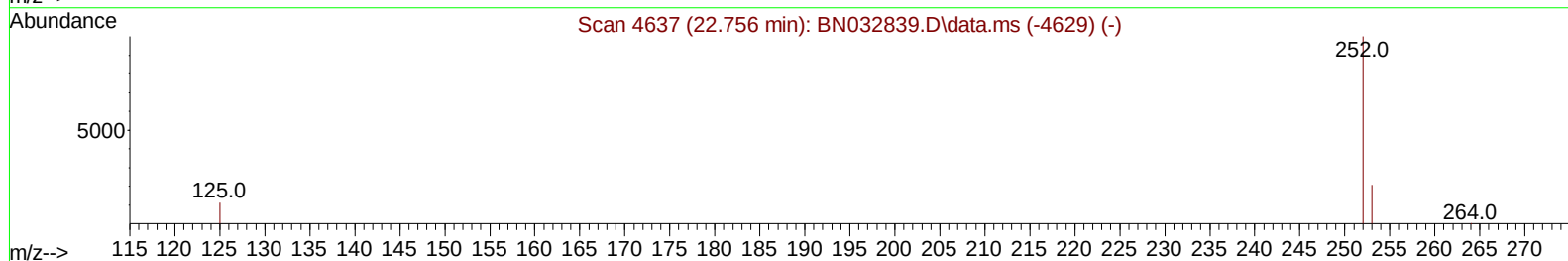
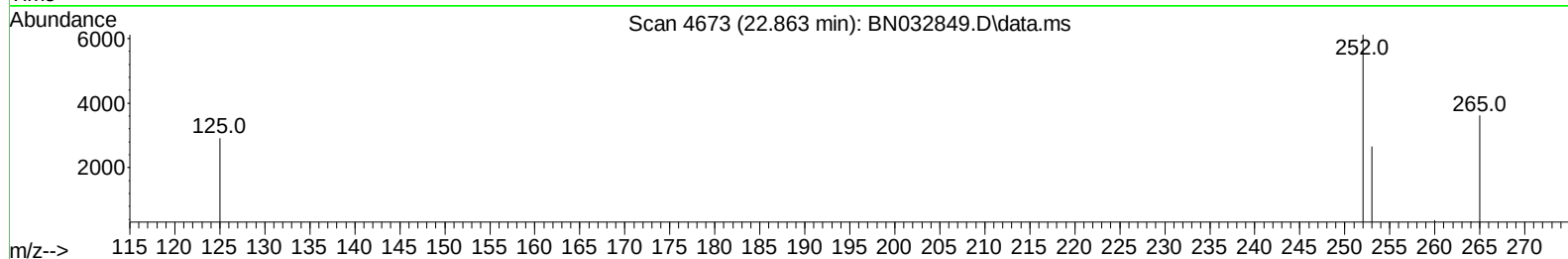
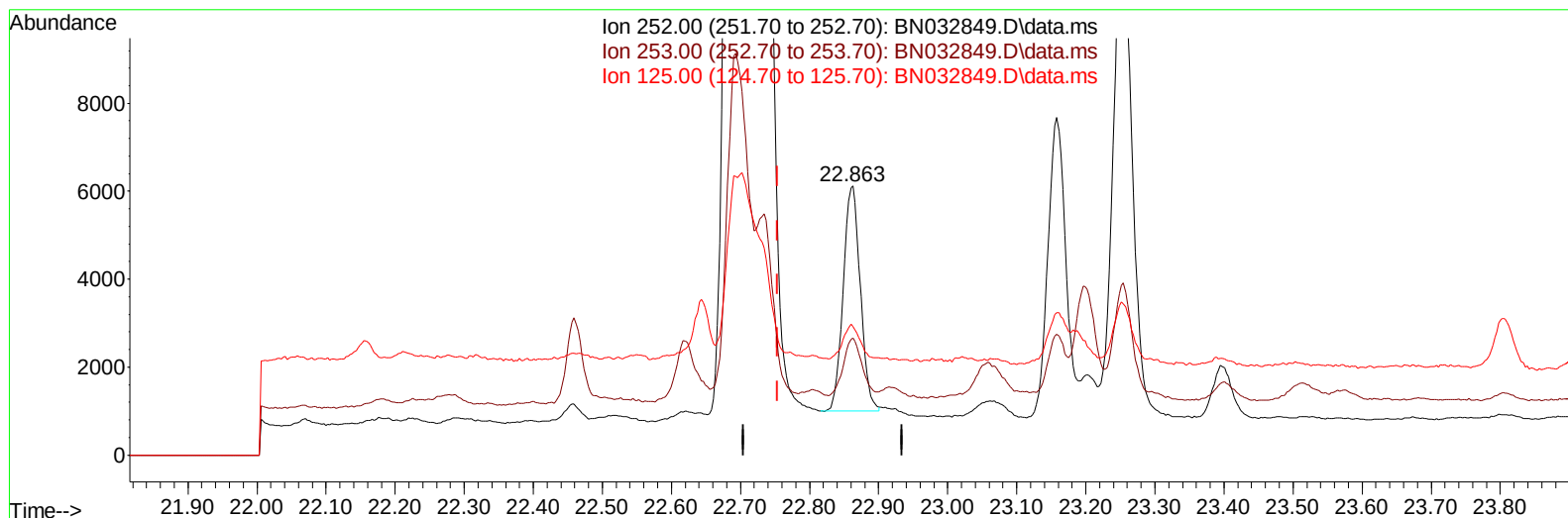
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:17 2024
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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032849.D\data.ms

(25) Benzo(k)fluoranthene

22.863min (+ 0.108) 0.21 ng/u1

response 8786

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	43.53#
125.00	18.50	47.74#
0.00	0.00	0.00

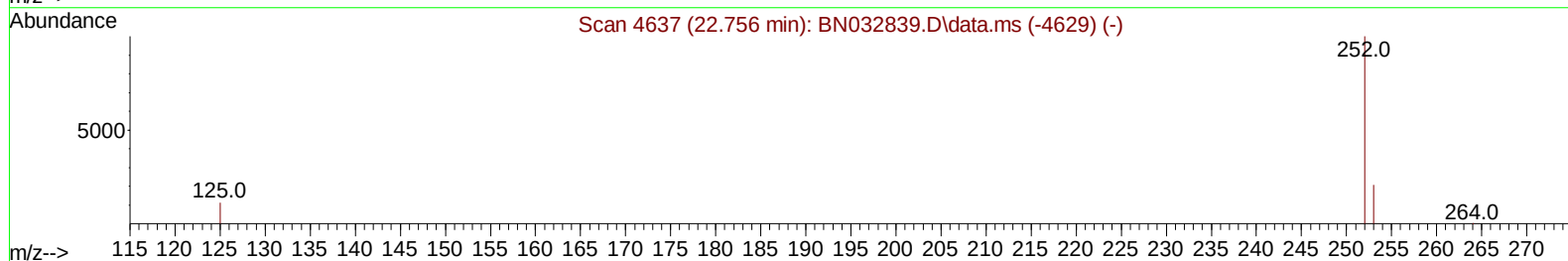
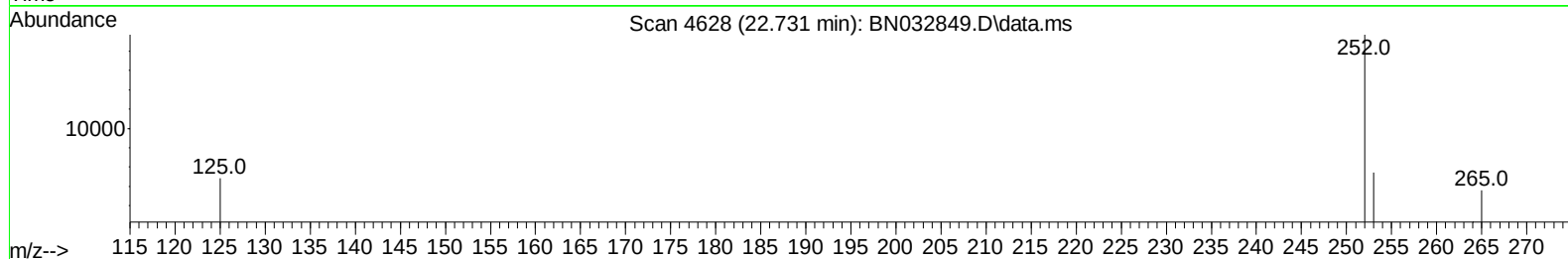
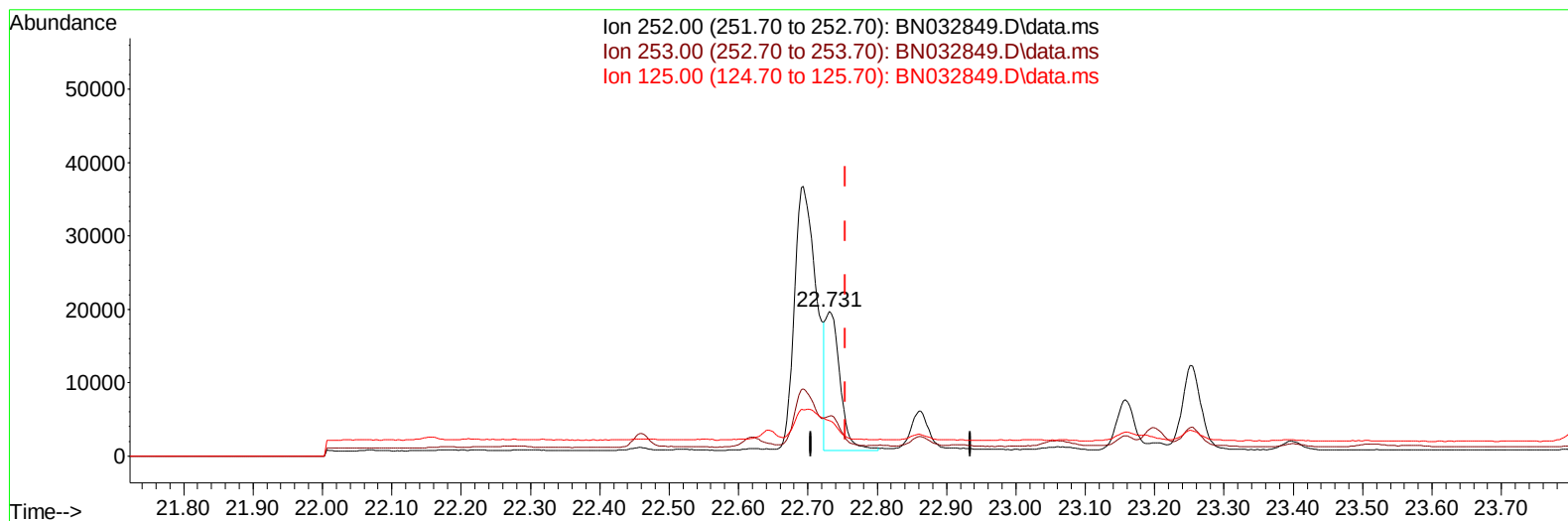
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032849.D
Acq On : 19 Jul 2024 20:01
Operator : MA/JU
Sample : P3178-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BT6

Manual IntegrationsAPPROVED

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

Quant Time: Jul 19 23:20:17 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



TIC: BN032849.D\data.ms

(25) Benzo(k)fluoranthene

22.731min (-0.023) 0.67 ng/ul m

response 28521

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	27.58
125.00	18.50	24.55#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.528	152	4011	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.299	136	13066	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.179	164	6905	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.940	188	11940m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.159	240	9103m	0.400	ng/ul	-0.01
23) Perylene-d12	23.351	264	9950m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.089	96	14772	3.067	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.900	152	4368	0.221	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	6607	0.223	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.349	128	5023	0.143	ng/ul	98
7) 2-Methylnaphthalene	11.977	142	1338	0.061	ng/ul	98
8) 1-Methylnaphthalene	12.202	142	967	0.043	ng/ul	95
10) Acenaphthylene	13.902	152	5216	0.187	ng/ul	96
11) Acenaphthene	14.244	153	2343	0.102	ng/ul	99
12) Fluorene	15.239	166	2905	0.110	ng/ul#	96
15) Phenanthrene	16.982	178	52390m	1.611	ng/ul	
16) Anthracene	17.075	178	10129m	0.381	ng/ul	
19) Fluoranthene	19.013	202	105591	2.853	ng/ul	99
20) Pyrene	19.380	202	65339	1.706	ng/ul	98
21) Benzo(a)anthracene	21.141	228	47992	1.656	ng/ul	97
22) Chrysene	21.194	228	54725	1.306	ng/ul	97
24) Benzo(b)fluoranthene	22.693	252	78300m	2.230	ng/ul	
25) Benzo(k)fluoranthene	22.731	252	28521m	0.667	ng/ul	
26) Benzo(a)pyrene	23.251	252	21658	0.713	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.559	276	23105	0.562	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.549	278	9687	0.304	ng/ul#	66
29) Benzo(g,h,i)perylene	26.243	276	3376	0.098	ng/ul#	43

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

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