

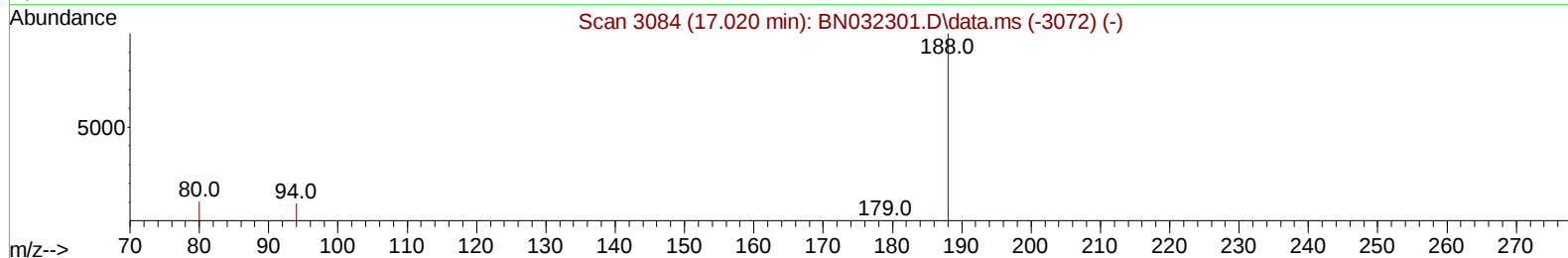
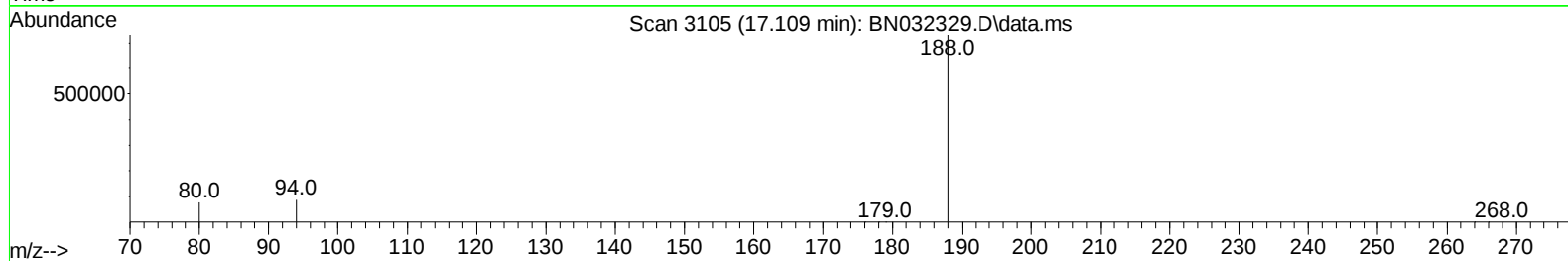
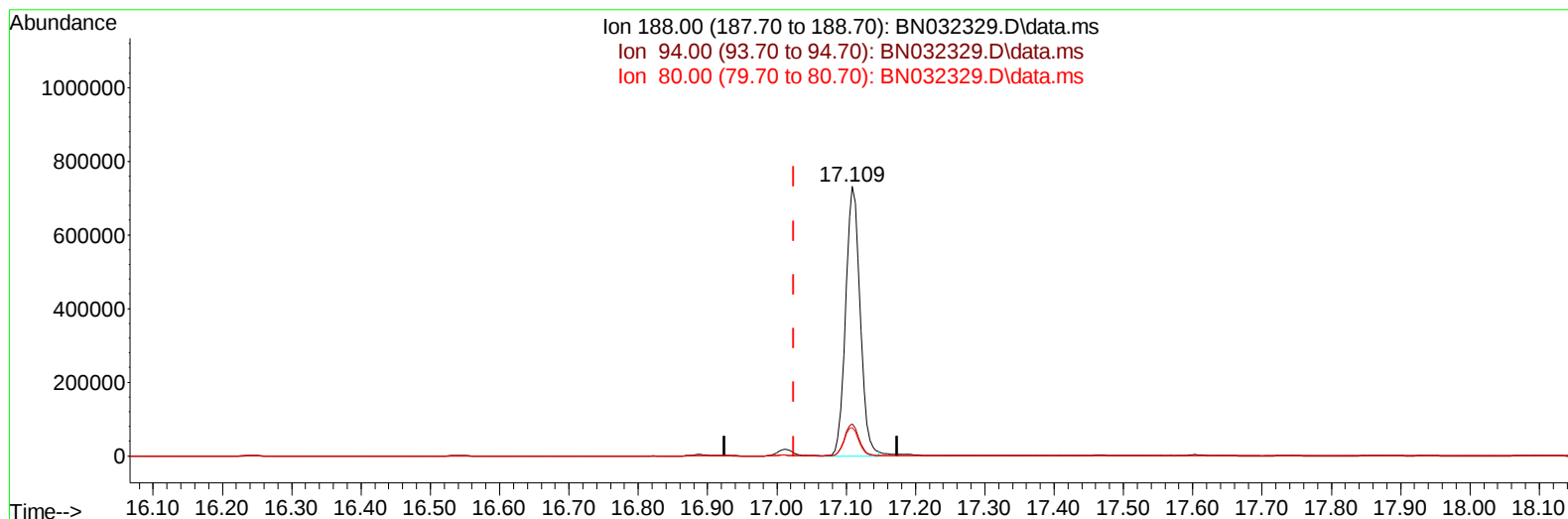
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 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 : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(13) Phenanthrene-d10 (I)

17.109min (+ 0.084) 0.40 ng/u1

response 1072567

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.97
80.00	10.50	10.57
0.00	0.00	0.00

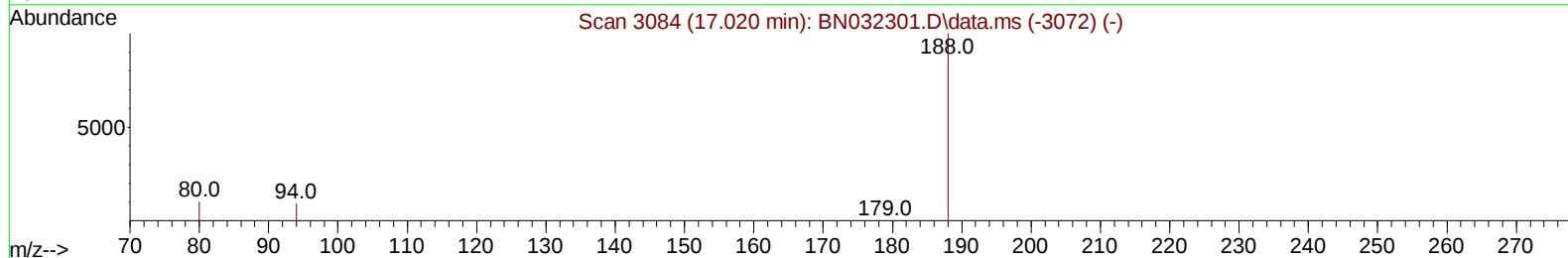
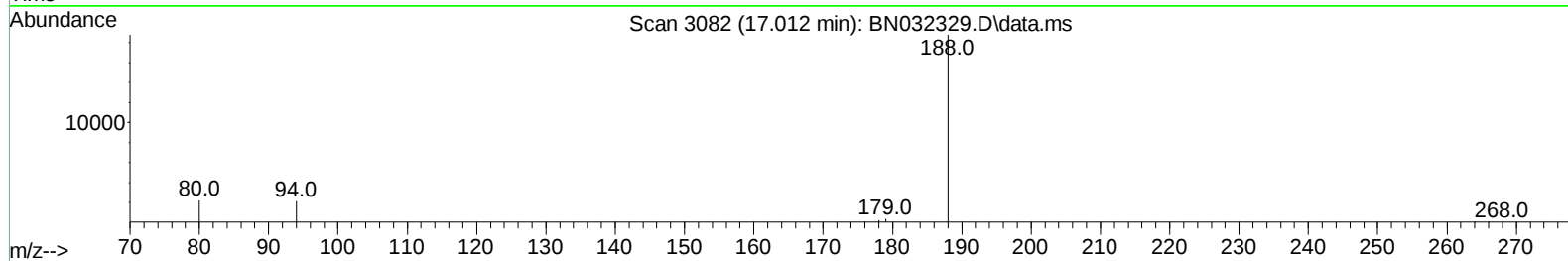
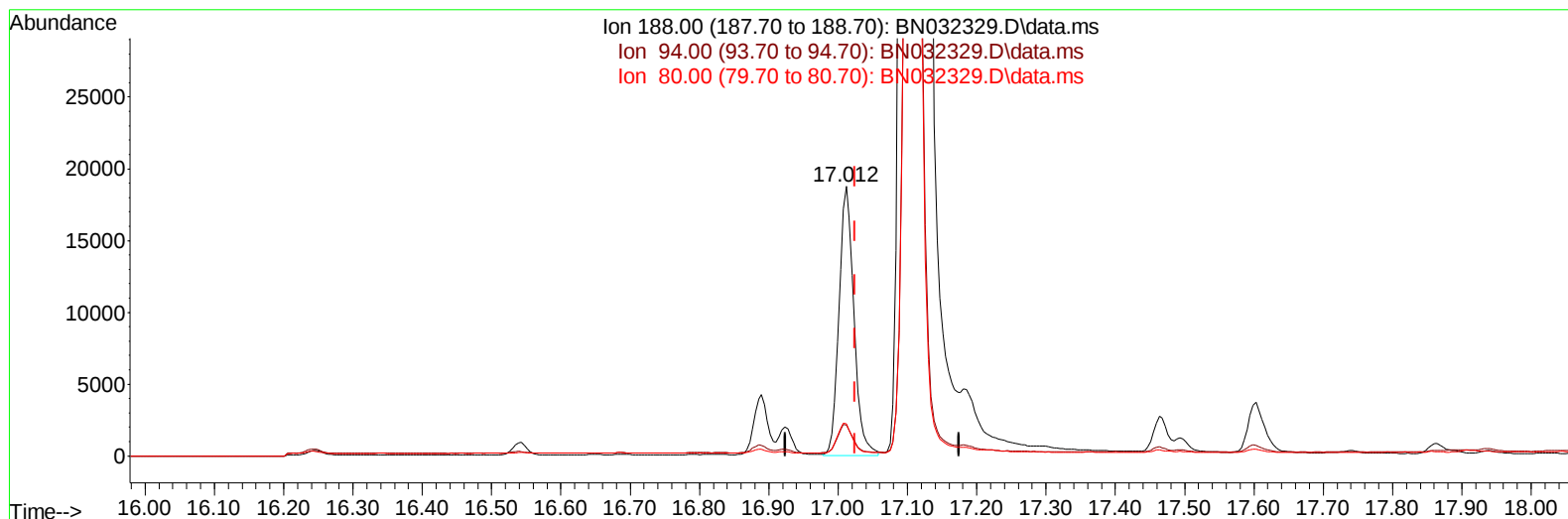
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 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 : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(13) Phenanthrene-d10 (I)

17.012min (-0.013) 0.40 ng/u1 m

response 28040

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.40
80.00	10.50	11.82
0.00	0.00	0.00

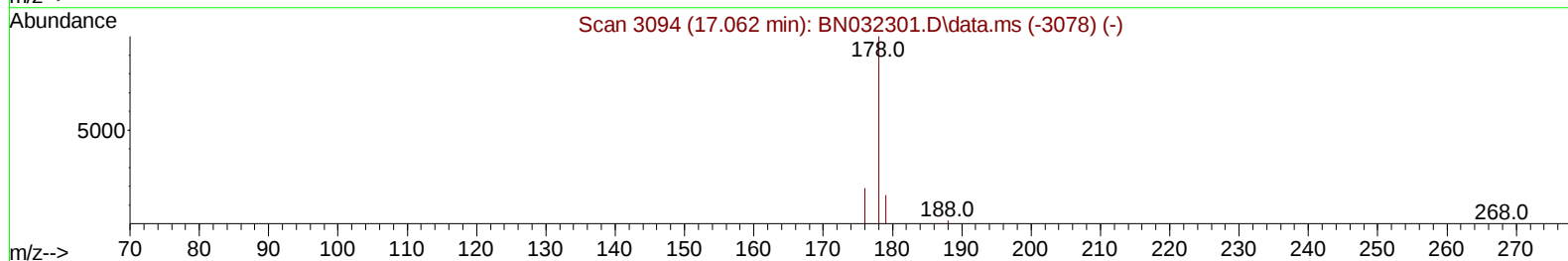
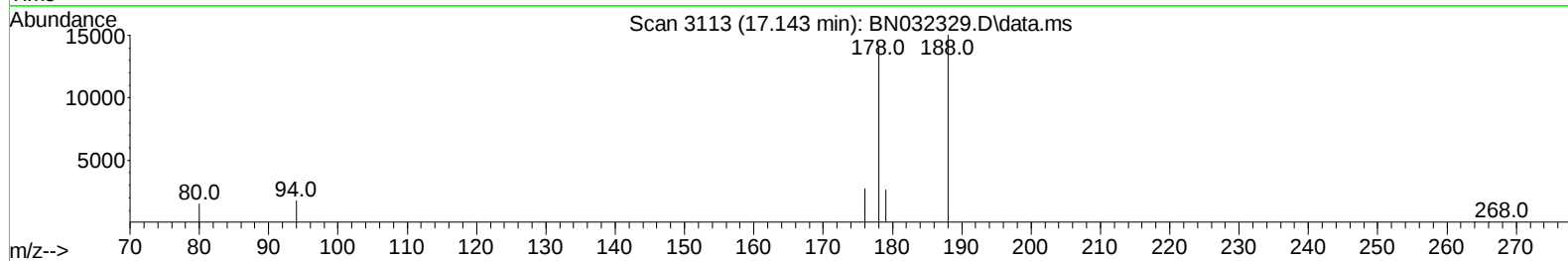
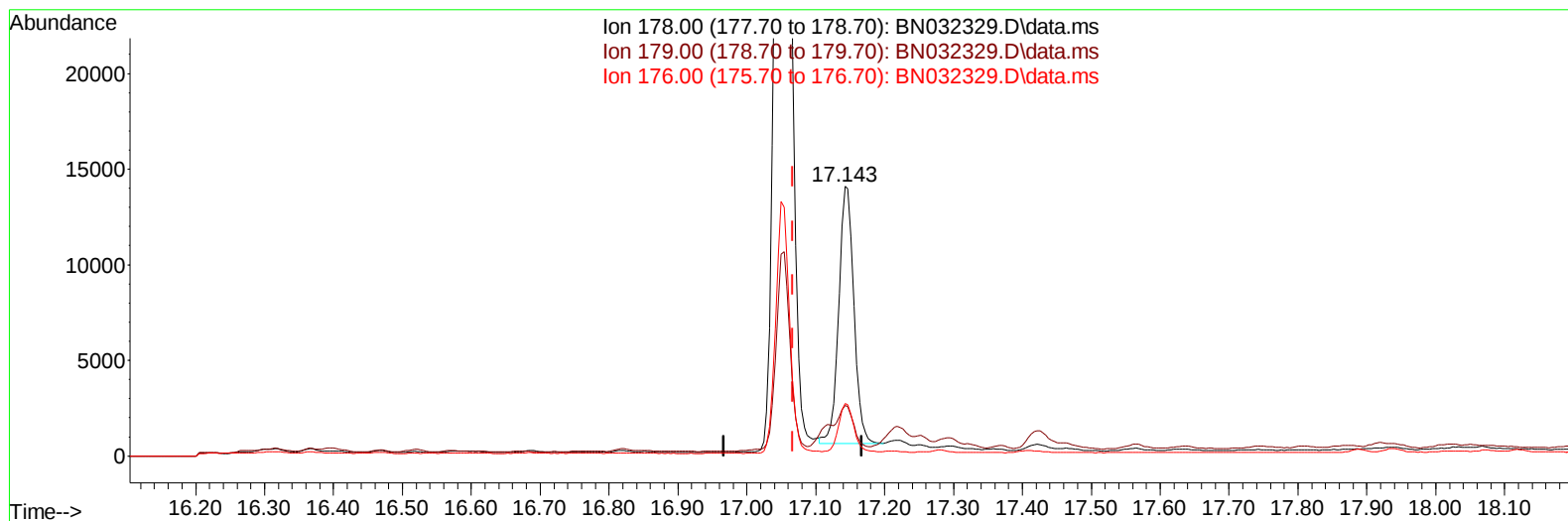
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 06/29/2024
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TIC: BN032329.D\data.ms

(15) Phenanthrene

17.143min (+ 0.076) 0.27 ng/u1

response 20454

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	18.78
176.00	19.50	19.53
0.00	0.00	0.00

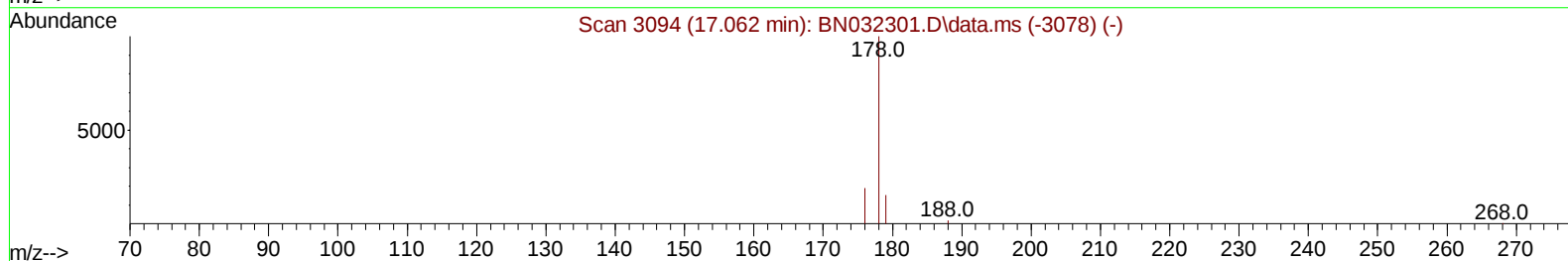
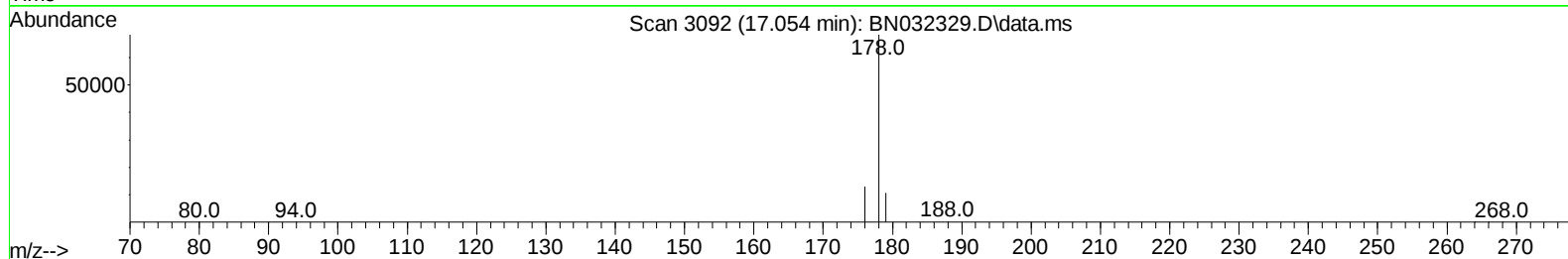
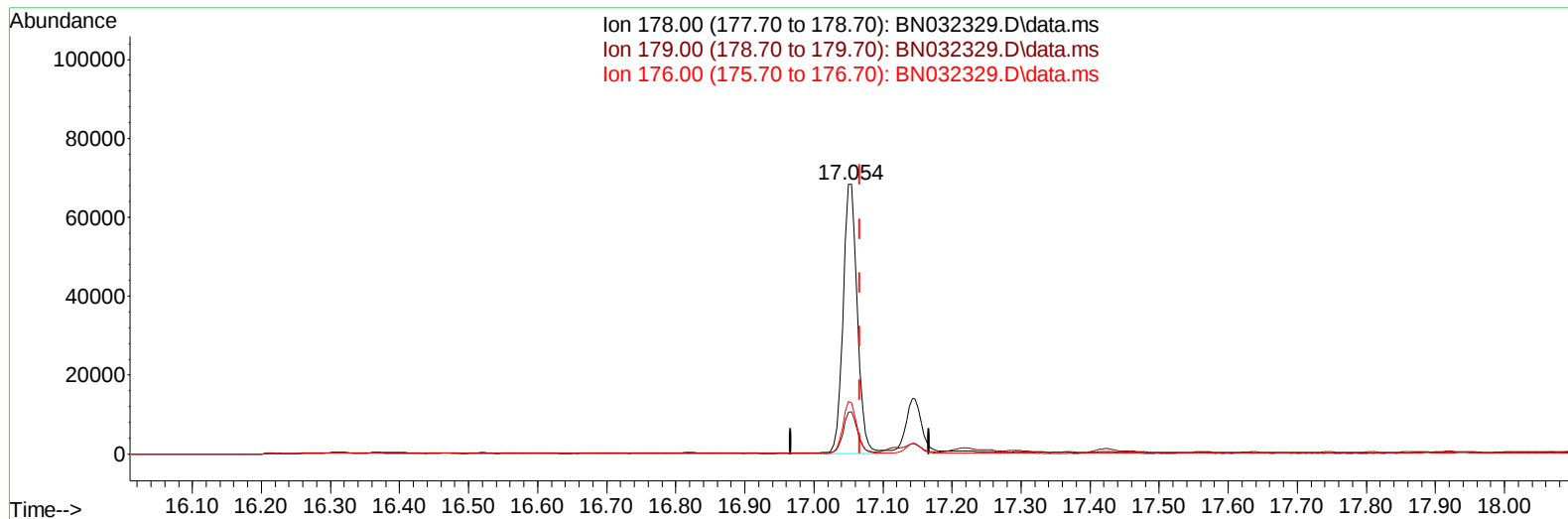
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jun 29 01:44:07 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 : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration



TIC: BN032329.D\data.ms

(15) Phenanthrene

17.054min (-0.013) 1.26 ng/ul m

response 97204

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.66
176.00	19.50	19.03
0.00	0.00	0.00

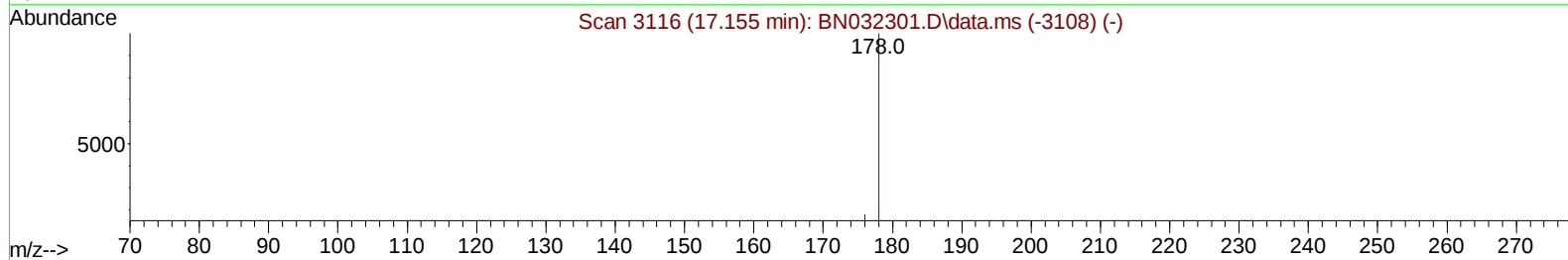
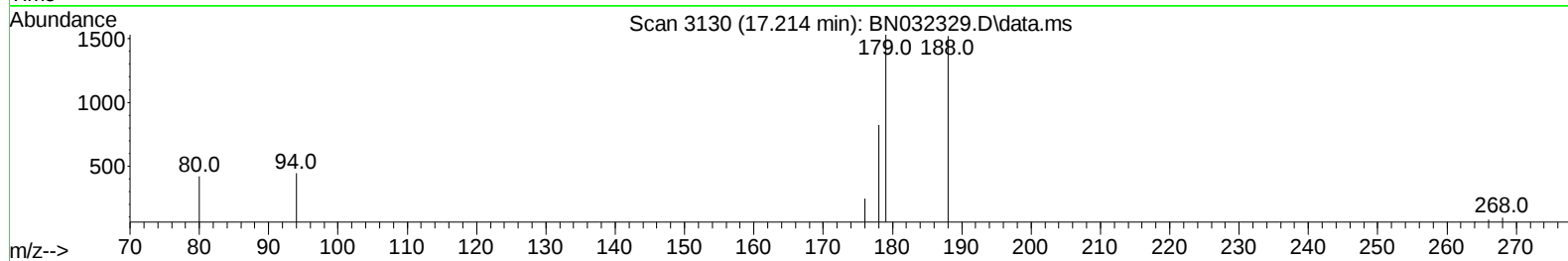
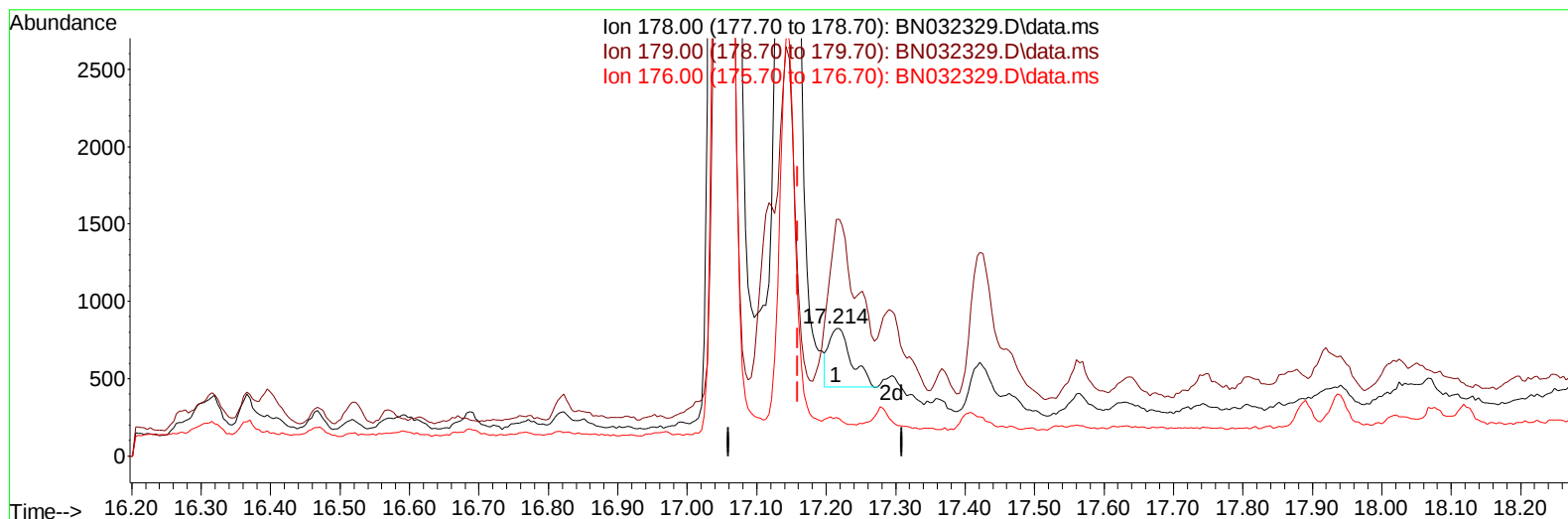
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
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Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(16) Anthracene

17.214min (+ 0.055) 0.01 ng/u1

response 846

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	185.58#
176.00	18.80	29.94#
0.00	0.00	0.00

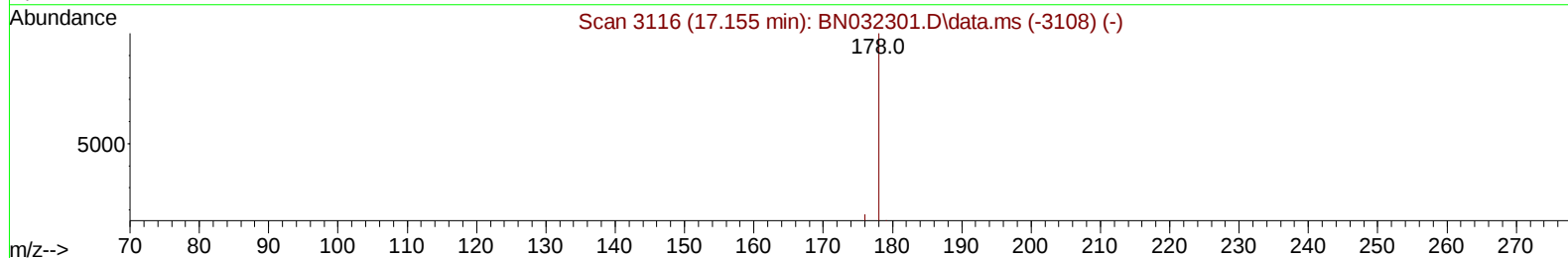
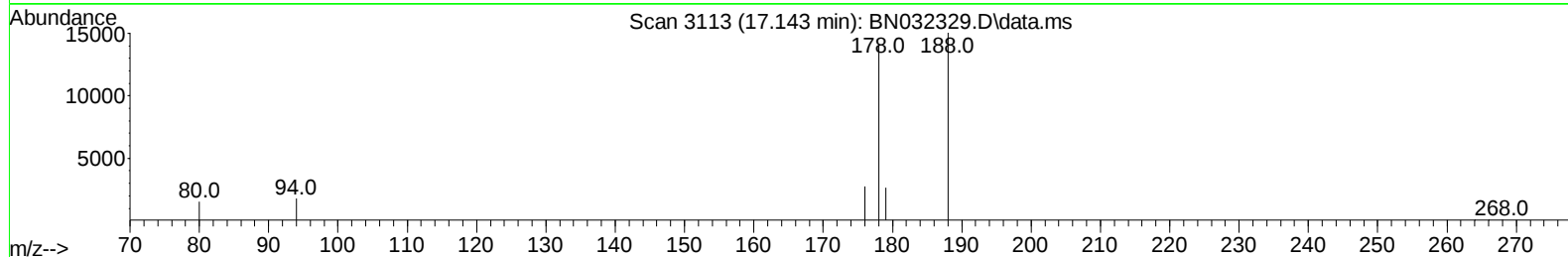
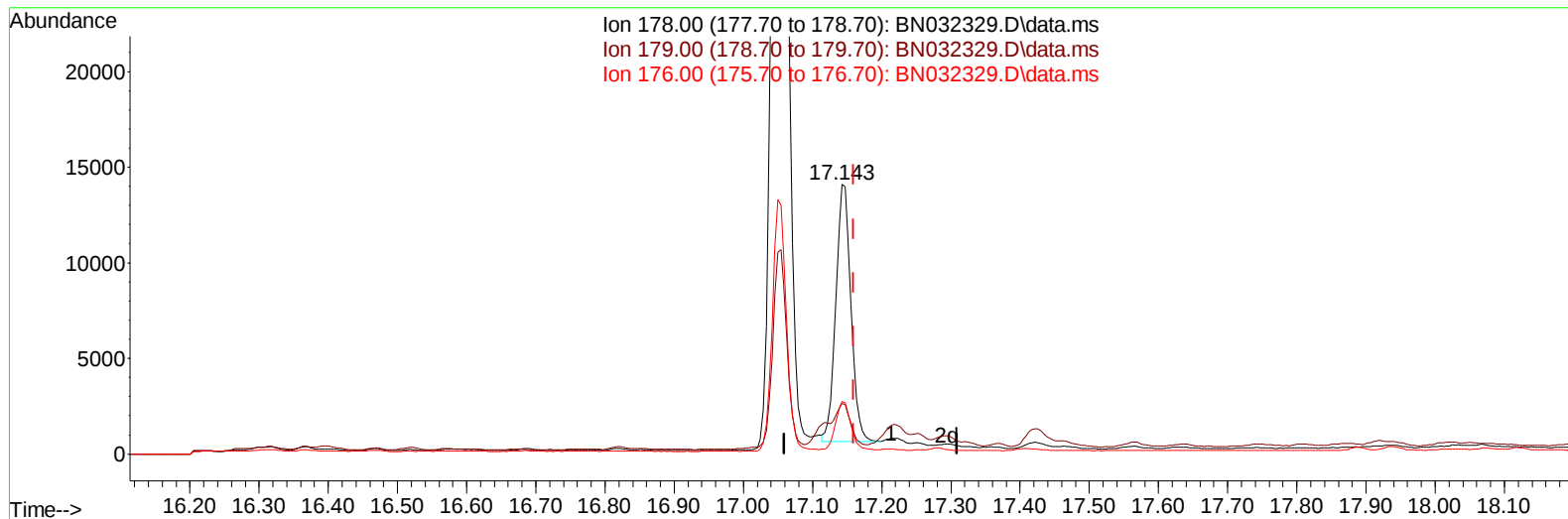
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 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 : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(16) Anthracene

17.143min (-0.017) 0.30 ng/u1 m

response 20321

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	18.78#
176.00	18.80	19.53
0.00	0.00	0.00

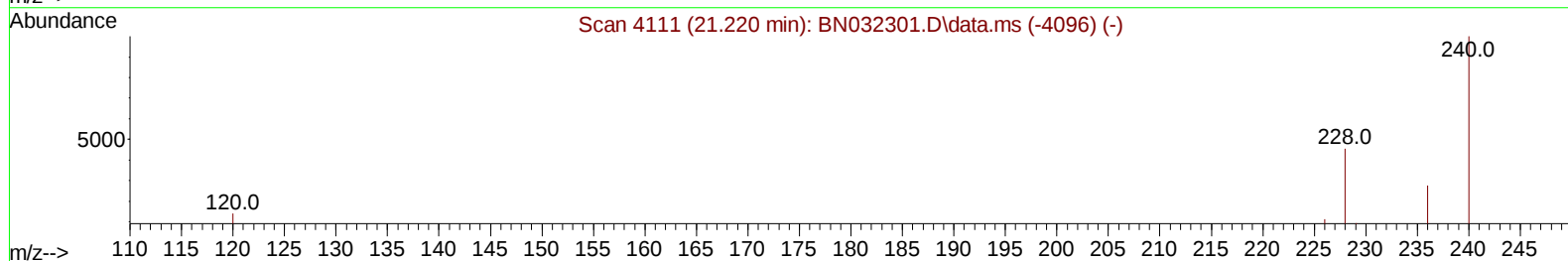
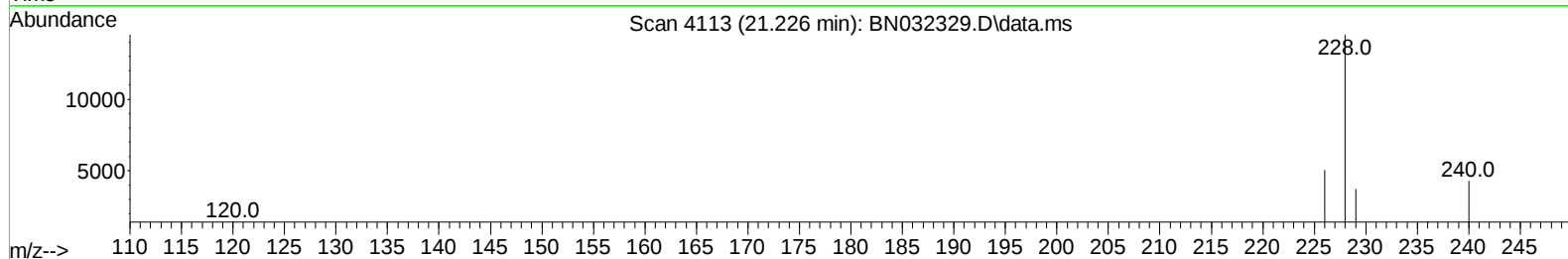
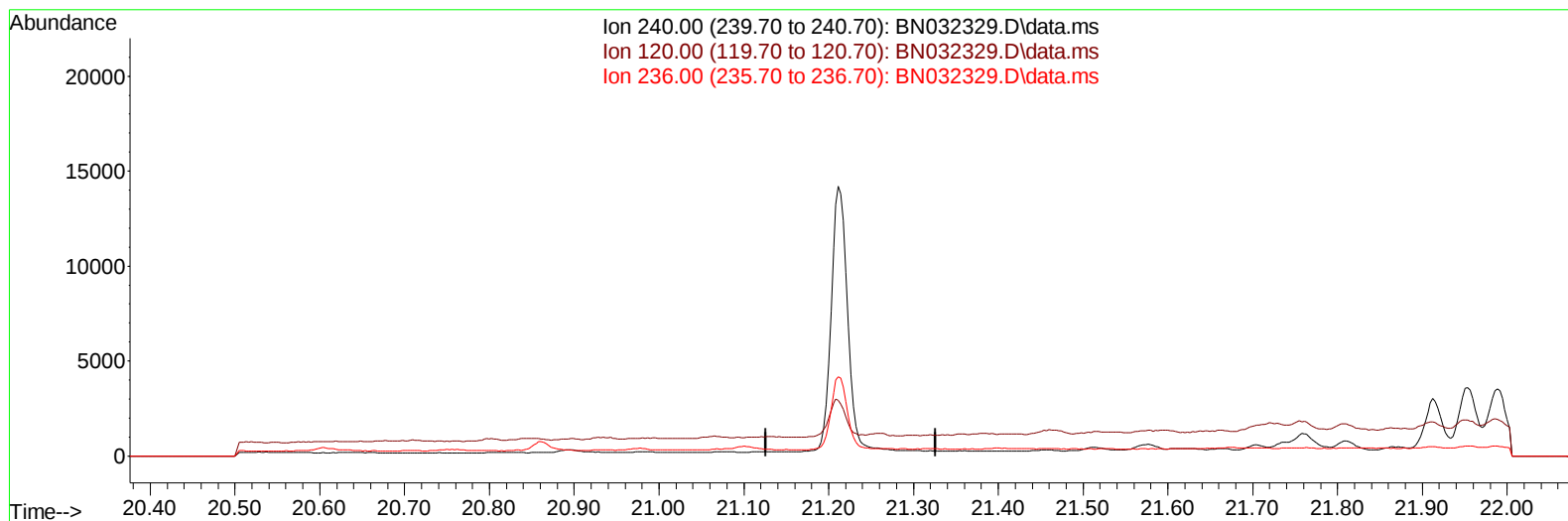
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 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 : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(17) Chrysene-d12

21.226min (-21.226) 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

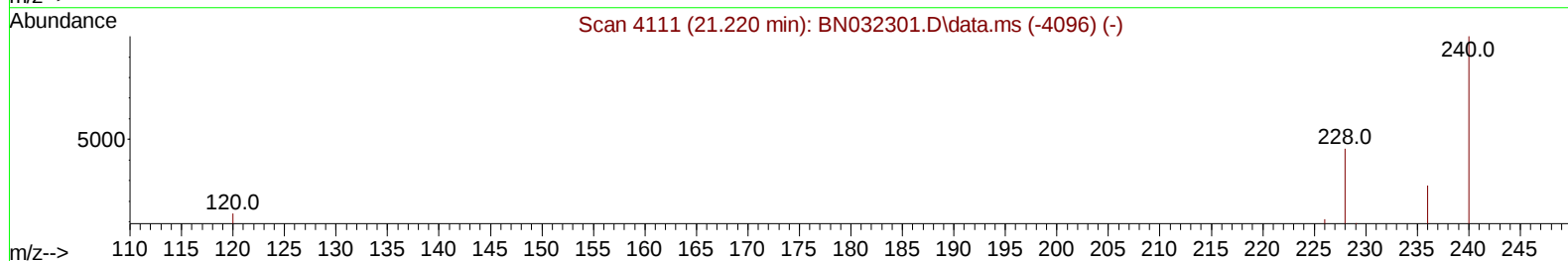
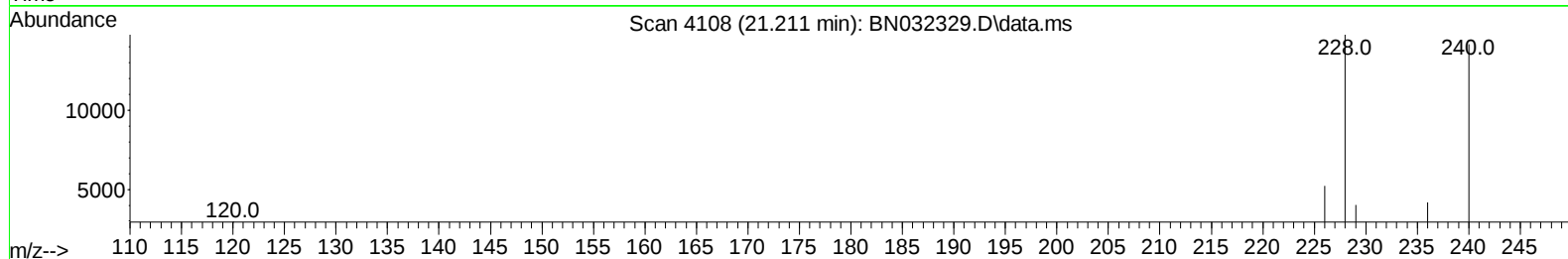
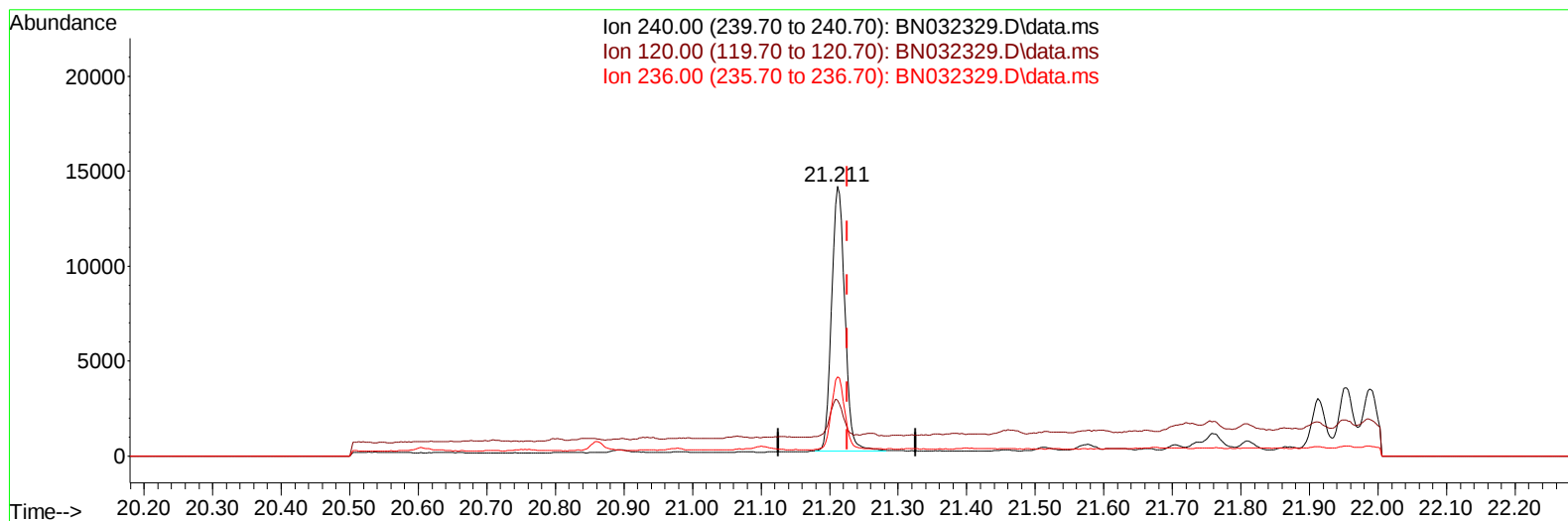
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 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 : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(17) Chrysene-d12

21.211min (-0.015) 0.40 ng/ul m

response 18641

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	20.69#
236.00	28.40	29.38
0.00	0.00	0.00

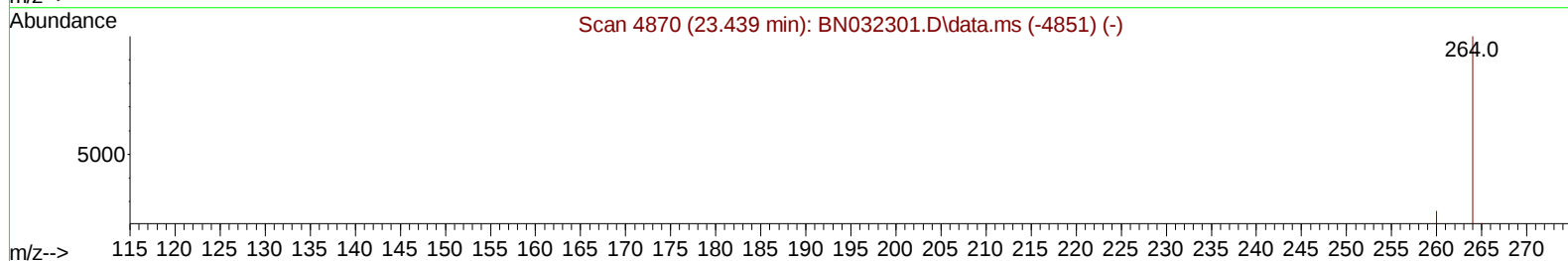
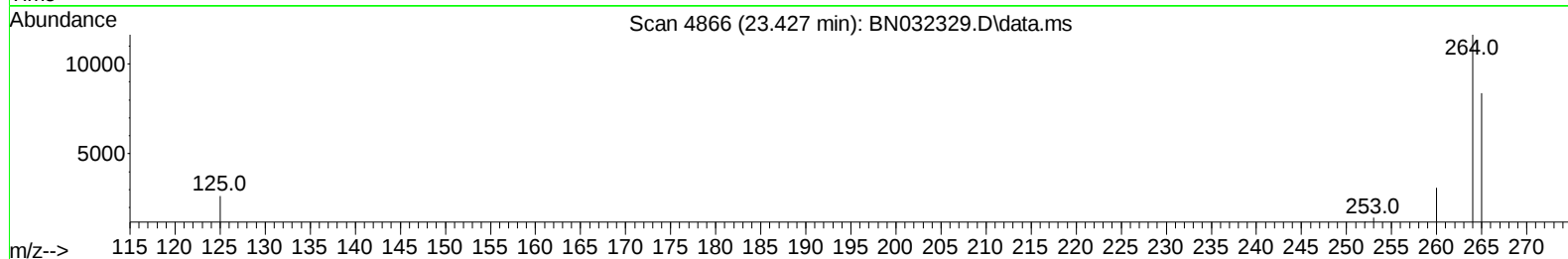
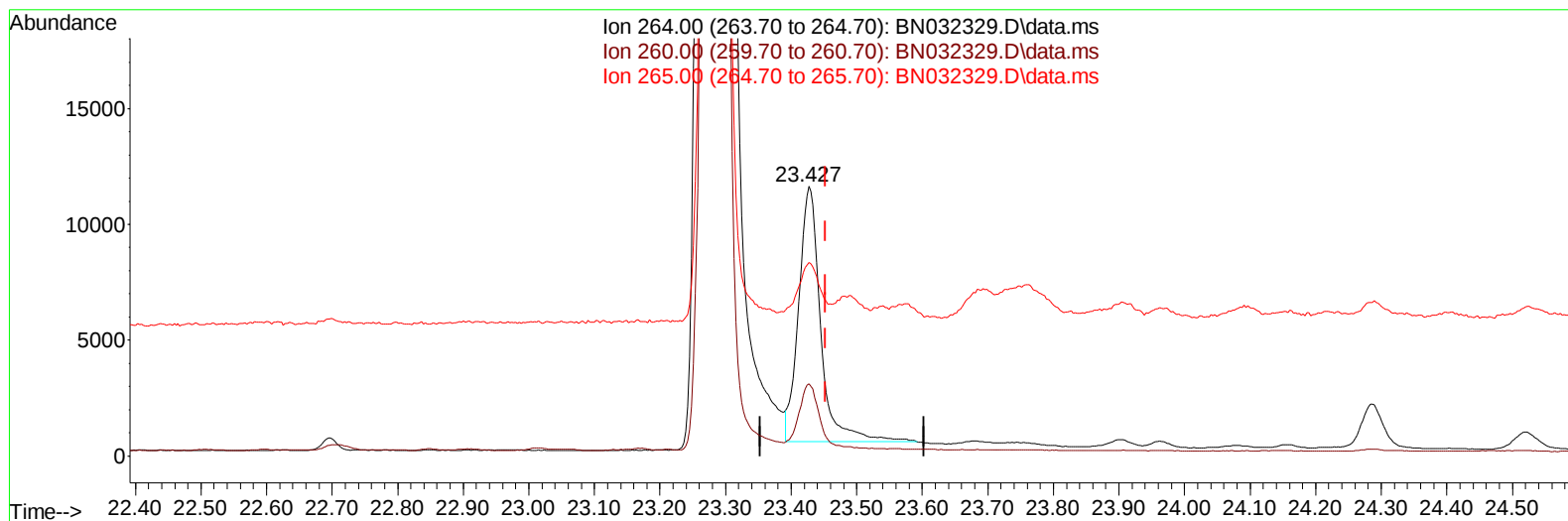
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(23) Perylene-d12 (I)

23.427min (-0.026) 0.40 ng/u1

response 25530

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.79
265.00	67.20	71.90
0.00	0.00	0.00

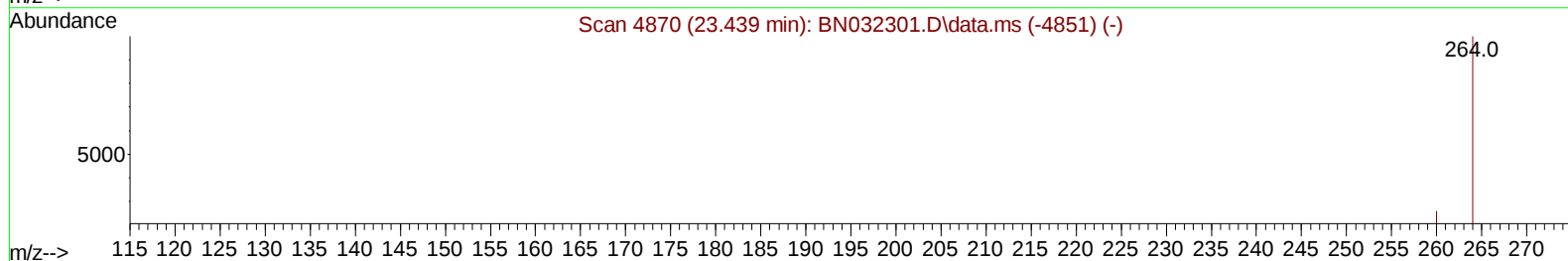
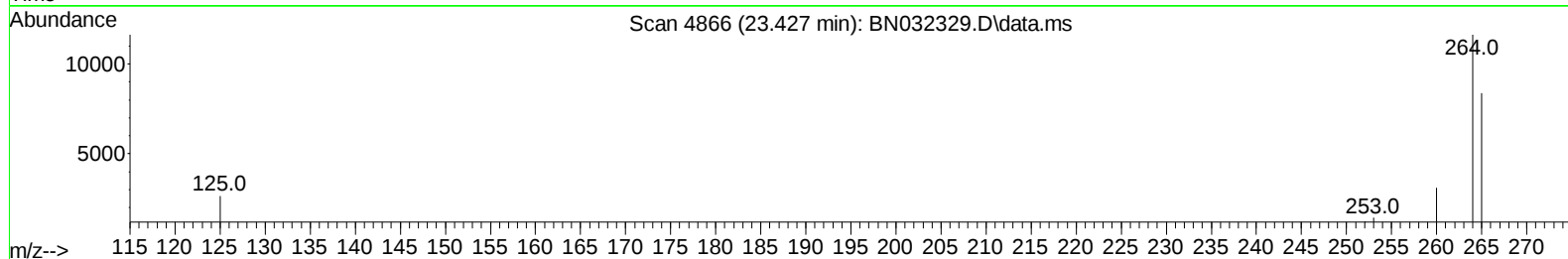
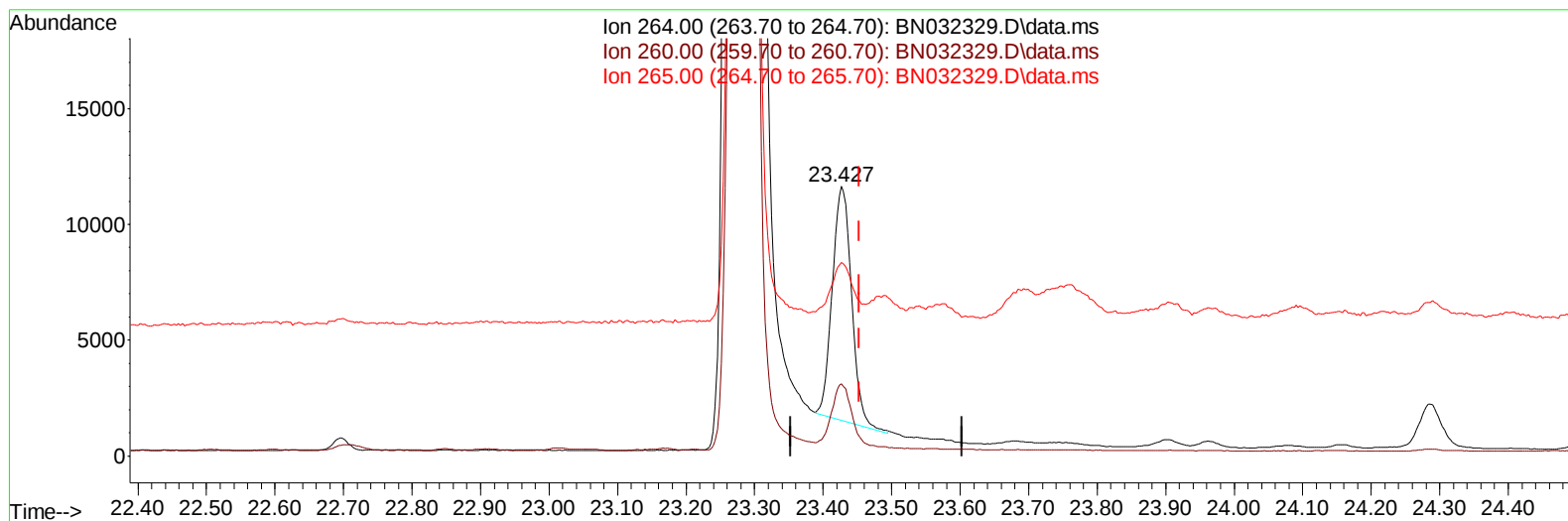
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Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 2024
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(23) Perylene-d12 (I)

23.427min (-0.026) 0.40 ng/ul m

response 19678

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.79
265.00	67.20	71.90
0.00	0.00	0.00

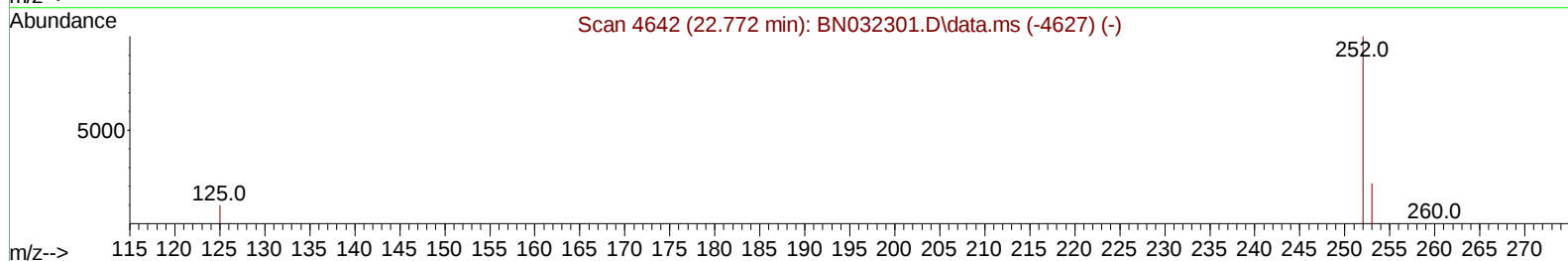
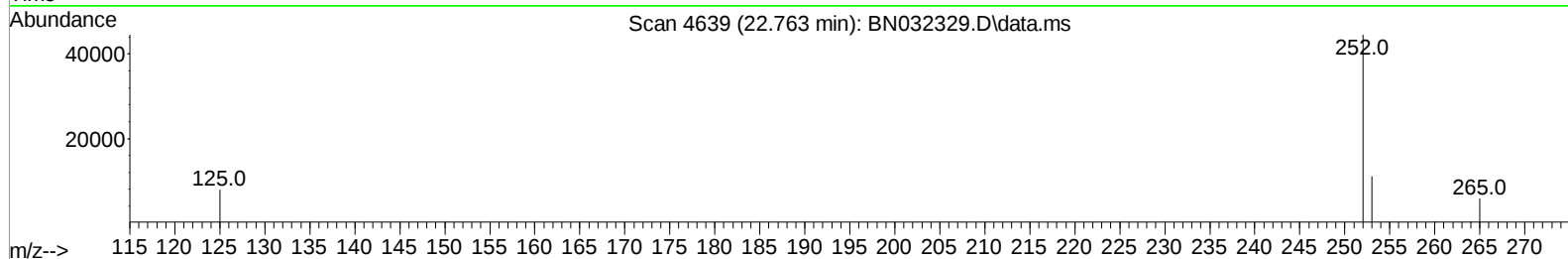
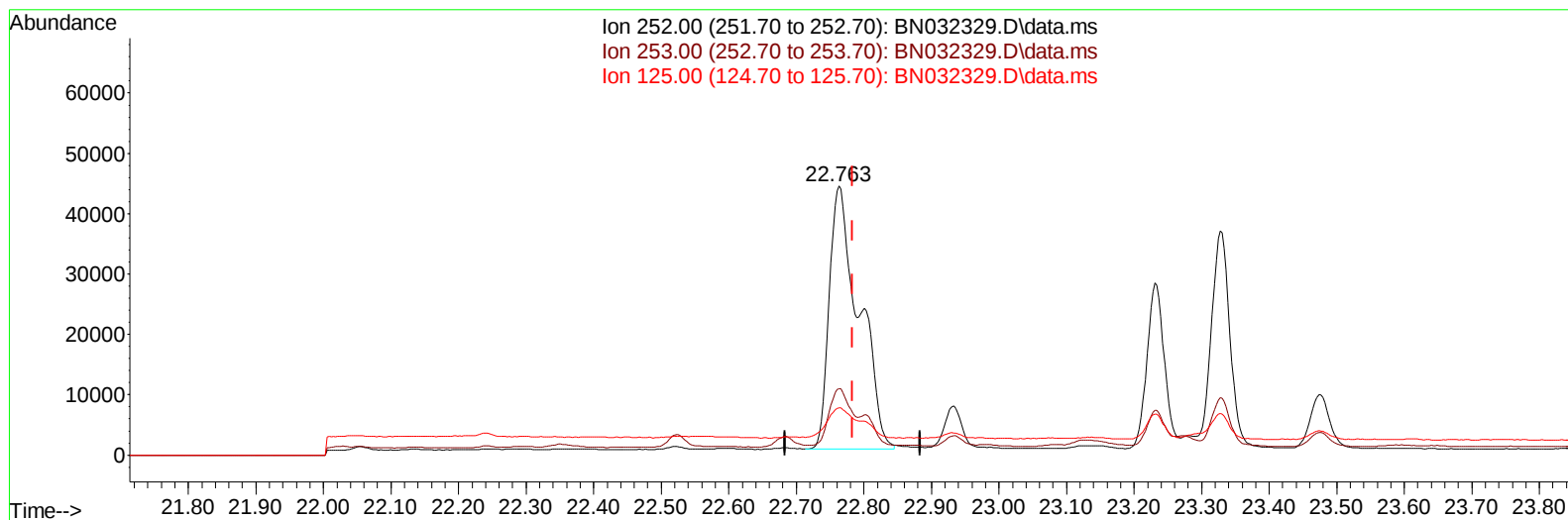
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

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TIC: BN032329.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.021) 1.56 ng/u1

response 133093

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	24.75
125.00	16.00	17.64
0.00	0.00	0.00

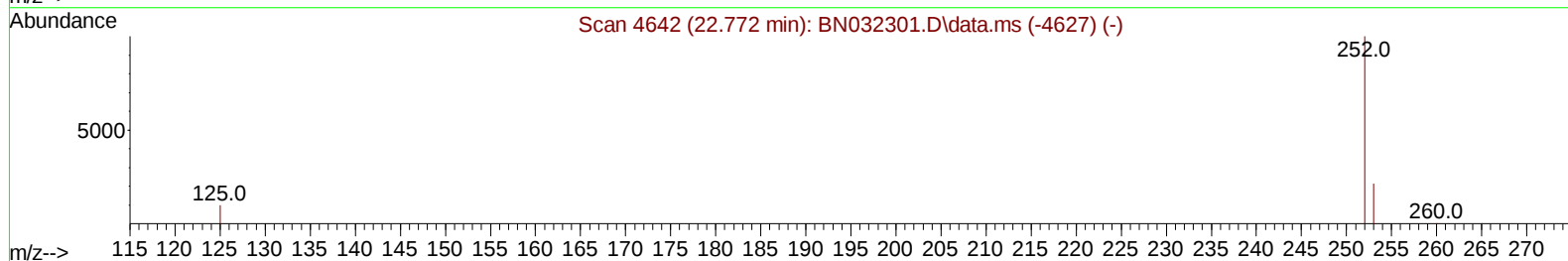
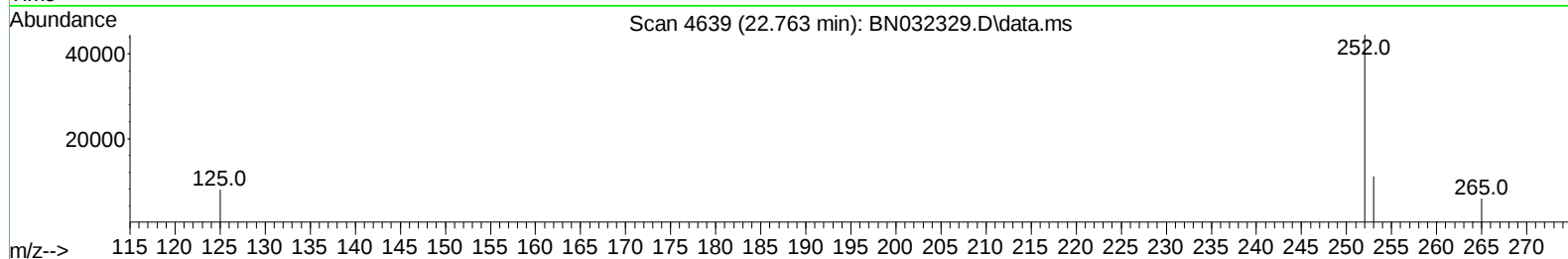
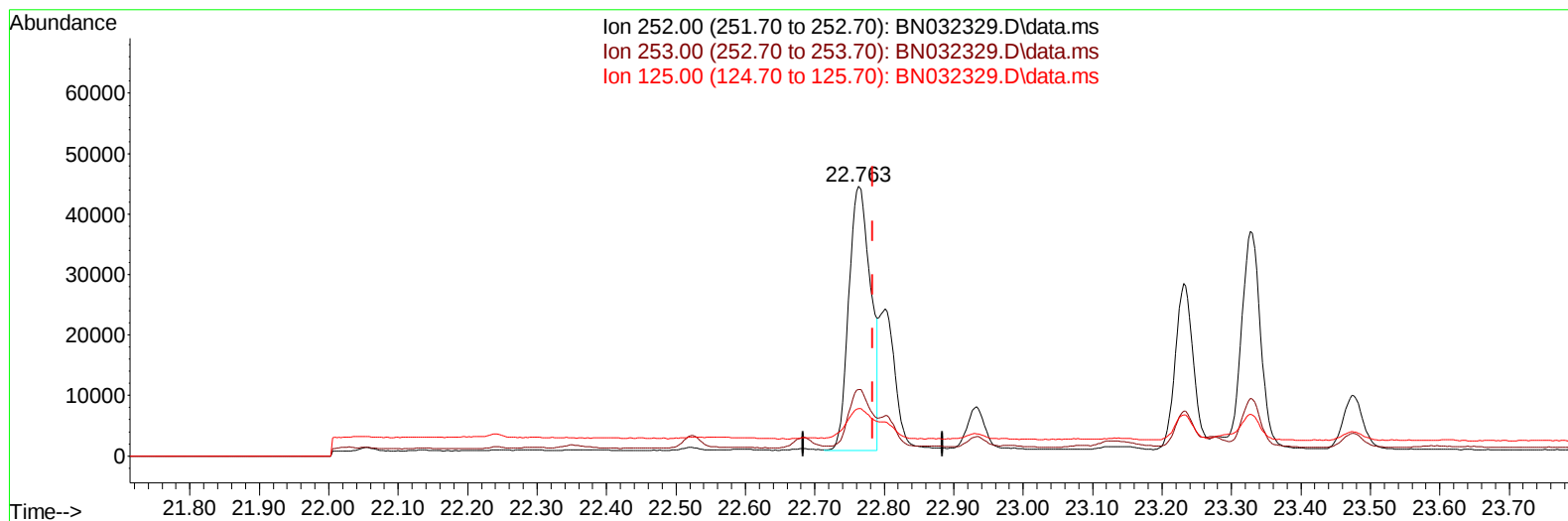
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.021) 1.12 ng/u1 m

response 96161

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	24.75
125.00	16.00	17.64
0.00	0.00	0.00

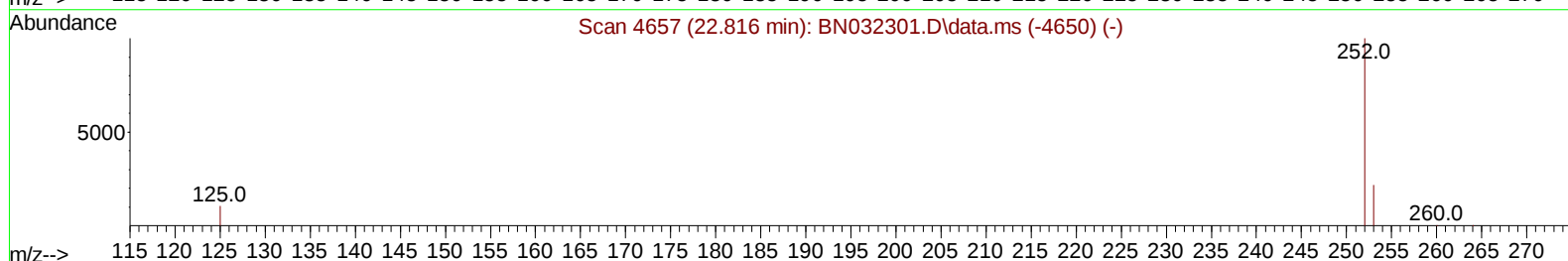
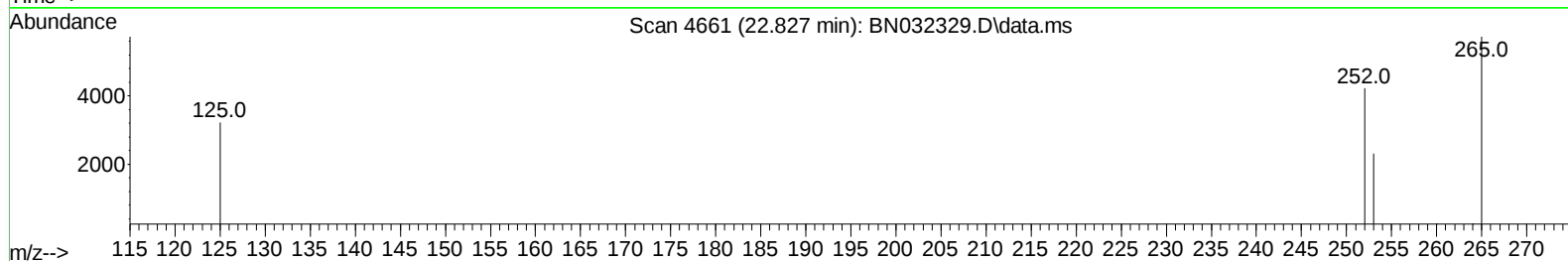
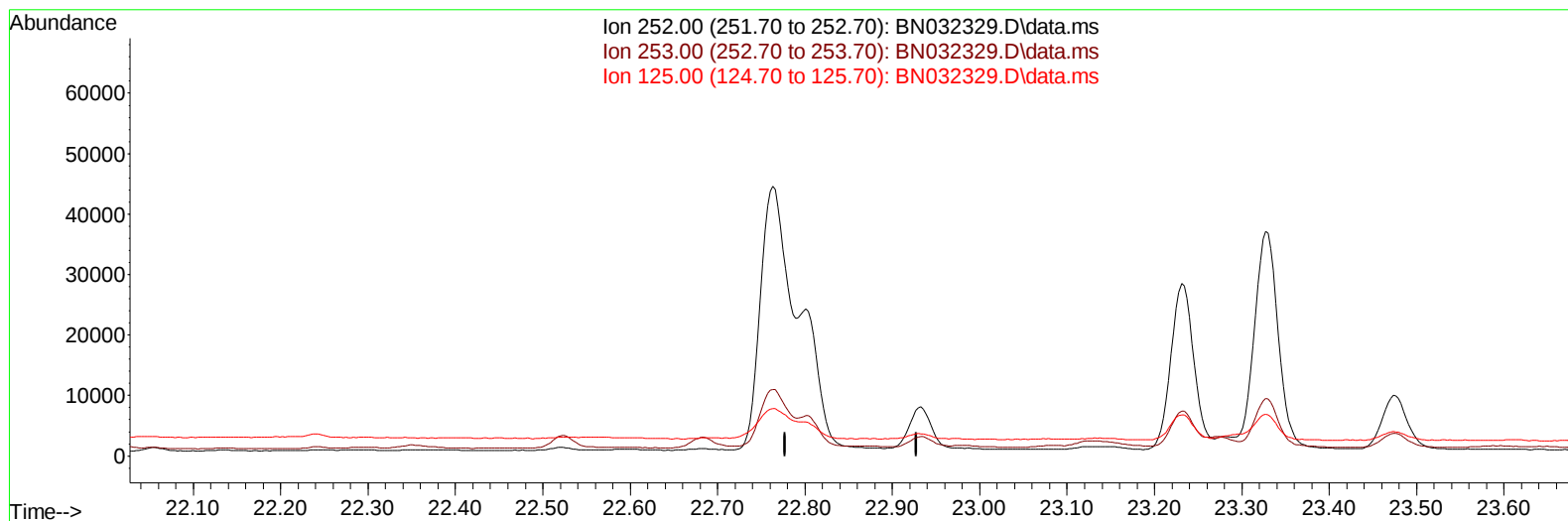
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(25) Benzo(k)fluoranthene

22.828min (-22.828) 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

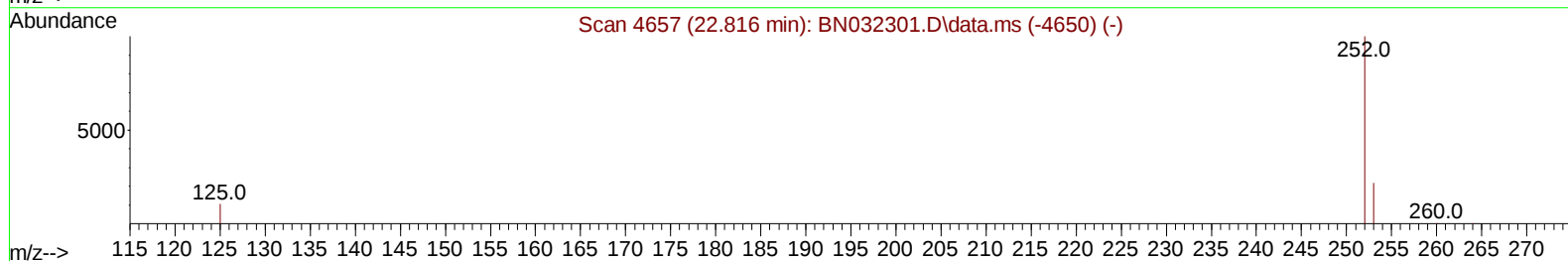
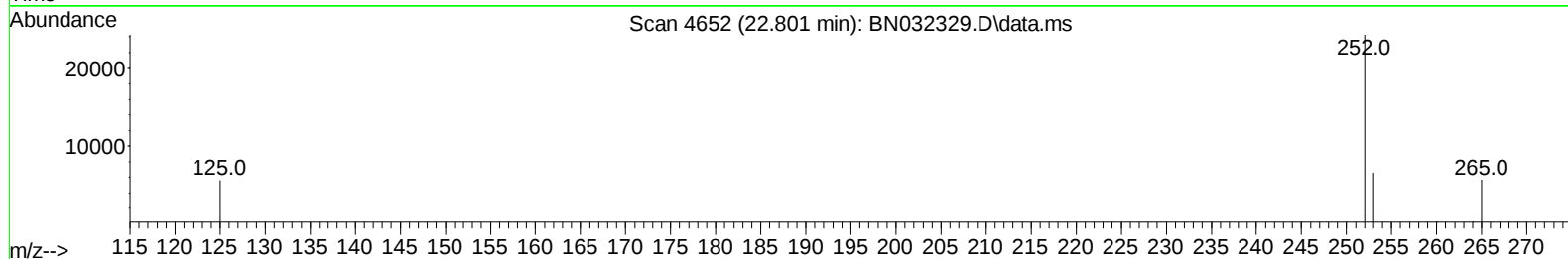
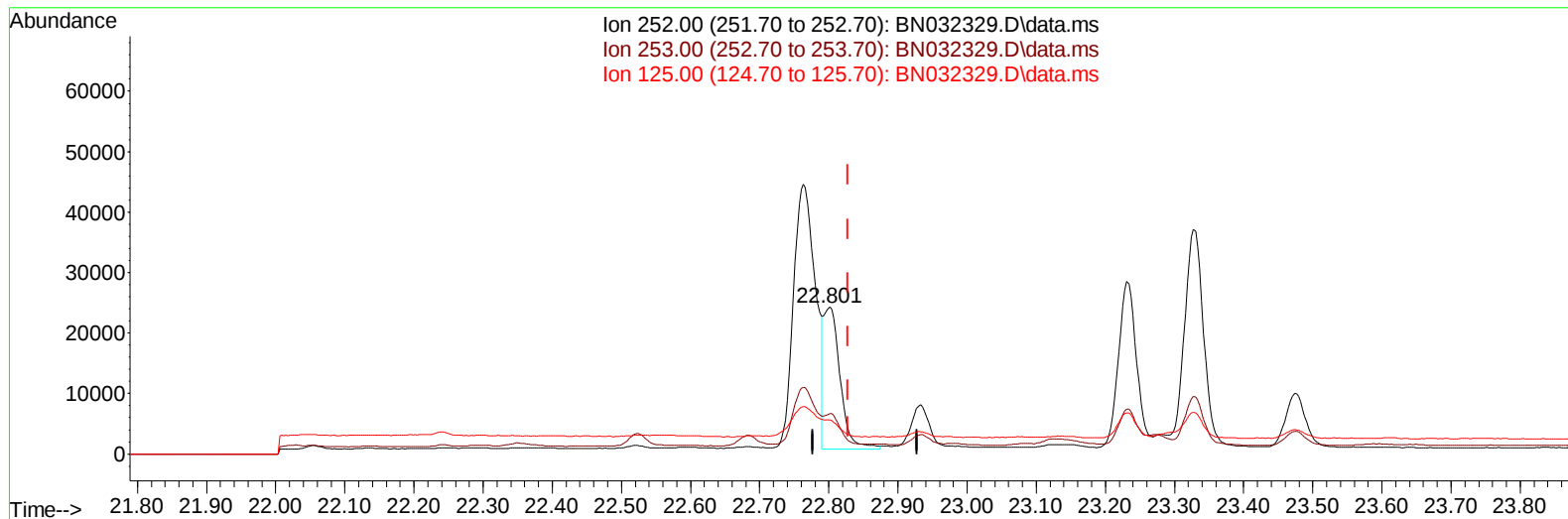
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032329.D
Acq On : 29 Jun 2024 00:52
Operator : MA/JU
Sample : P2934-10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CP6

Manual IntegrationsAPPROVED

Quant Time: Jun 29 01:44:07 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 : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032329.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-0.026) 0.47 ng/u1 m

response 39060

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	27.33
125.00	16.00	23.27#
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	7.612	152	8551	0.400	ng/ul	0.00
4) Naphthalene-d8	10.387	136	27257	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.258	164	15354	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.012	188	28040m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.211	240	18641m	0.400	ng/ul	-0.01
23) Perylene-d12	23.427	264	19678m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.148	96	24980	2.628	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.988	152	7424	0.182	ng/ul	-0.01
18) Fluoranthene-d10	19.045	212	12762	0.228	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.437	128	2717	0.038	ng/ul#	87
7) 2-Methylnaphthalene	12.065	142	1013	0.021	ng/ul	96
10) Acenaphthylene	13.975	152	2487	0.039	ng/ul#	80
11) Acenaphthene	14.322	153	6819	0.138	ng/ul	99
12) Fluorene	15.313	166	6853	0.116	ng/ul#	98
15) Phenanthrene	17.054	178	97204m	1.264	ng/ul	
16) Anthracene	17.143	178	20321m	0.296	ng/ul	
19) Fluoranthene	19.078	202	169068	2.382	ng/ul	100
20) Pyrene	19.440	202	146461	1.974	ng/ul	100
21) Benzo(a)anthracene	21.197	228	72890	1.083	ng/ul	97
22) Chrysene	21.246	228	74714	1.012	ng/ul	96
24) Benzo(b)fluoranthene	22.763	252	96161m	1.125	ng/ul	
25) Benzo(k)fluoranthene	22.801	252	39060m	0.470	ng/ul	
26) Benzo(a)pyrene	23.327	252	68859	1.158	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.660	276	50156	0.539	ng/ul	91
28) Dibenzo(a,h)anthracene	25.663	278	12008	0.174	ng/ul#	75
29) Benzo(g,h,i)perylene	26.344	276	49765	0.671	ng/ul	99

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

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