

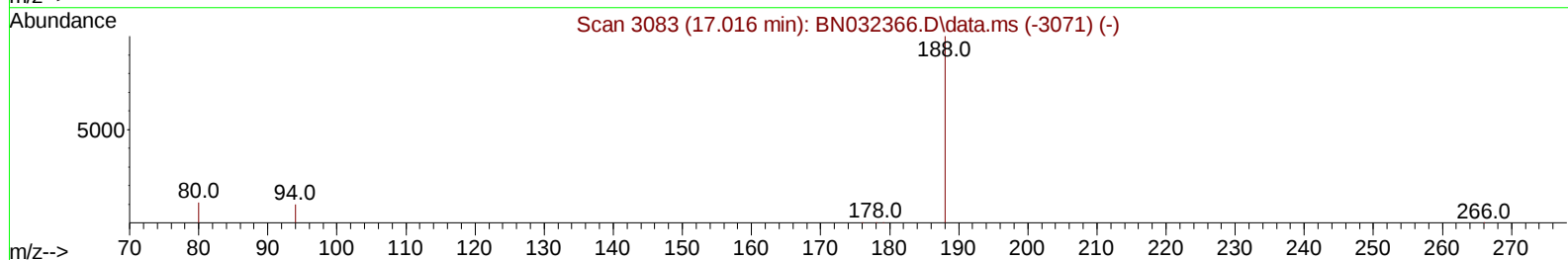
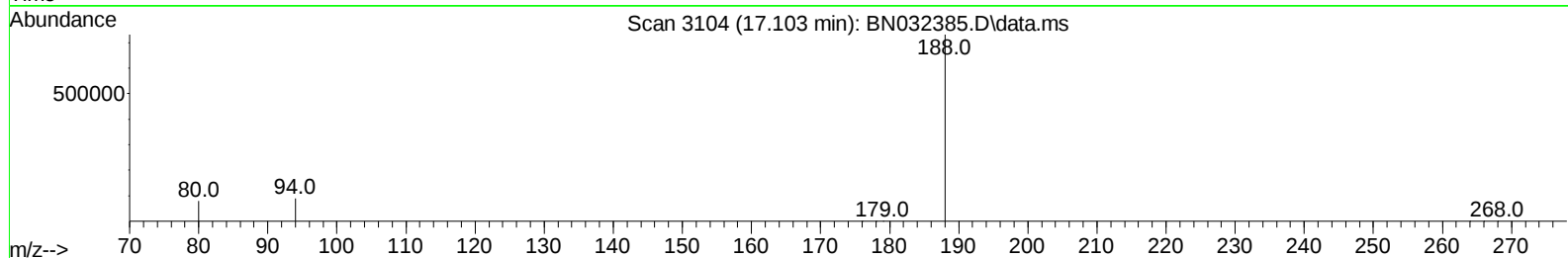
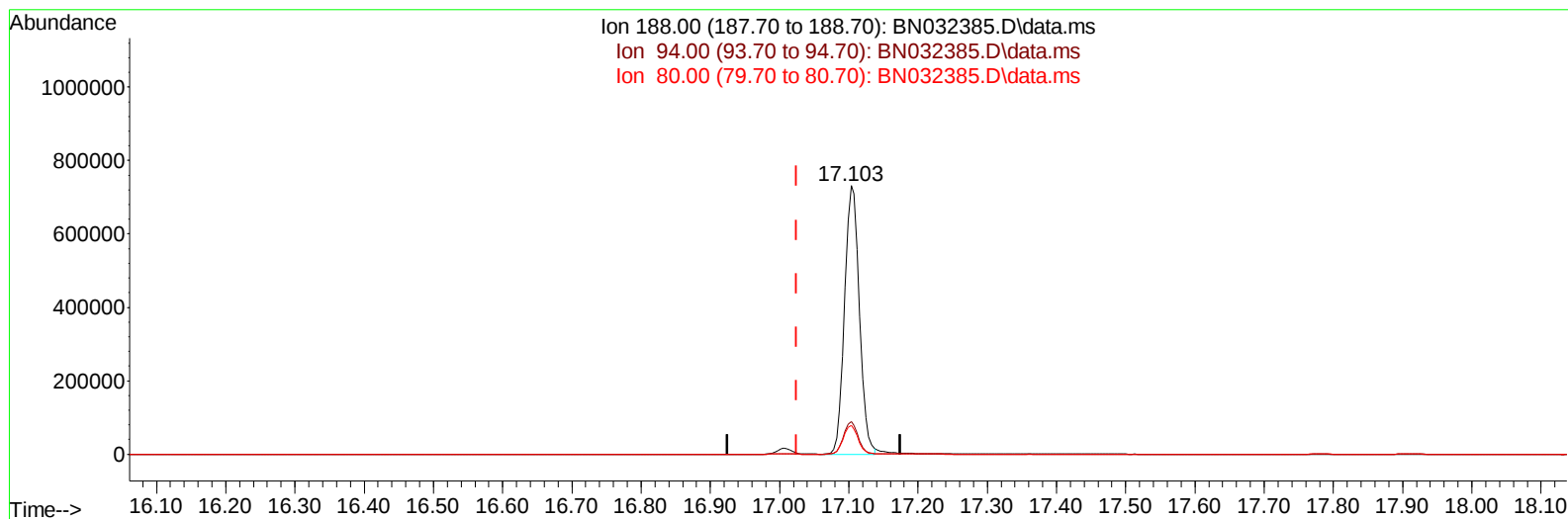
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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 :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(13) Phenanthrene-d10 (I)

17.103min (+ 0.079) 0.40 ng/u1

response 1090019

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.14
80.00	10.50	10.81
0.00	0.00	0.00

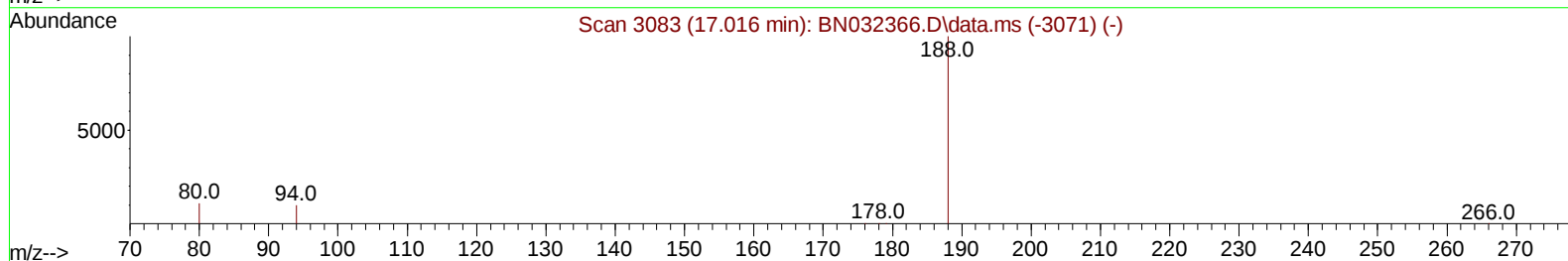
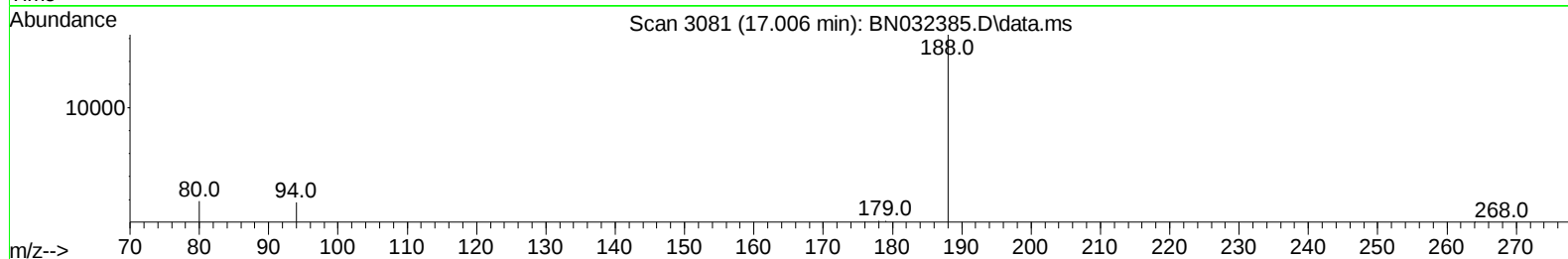
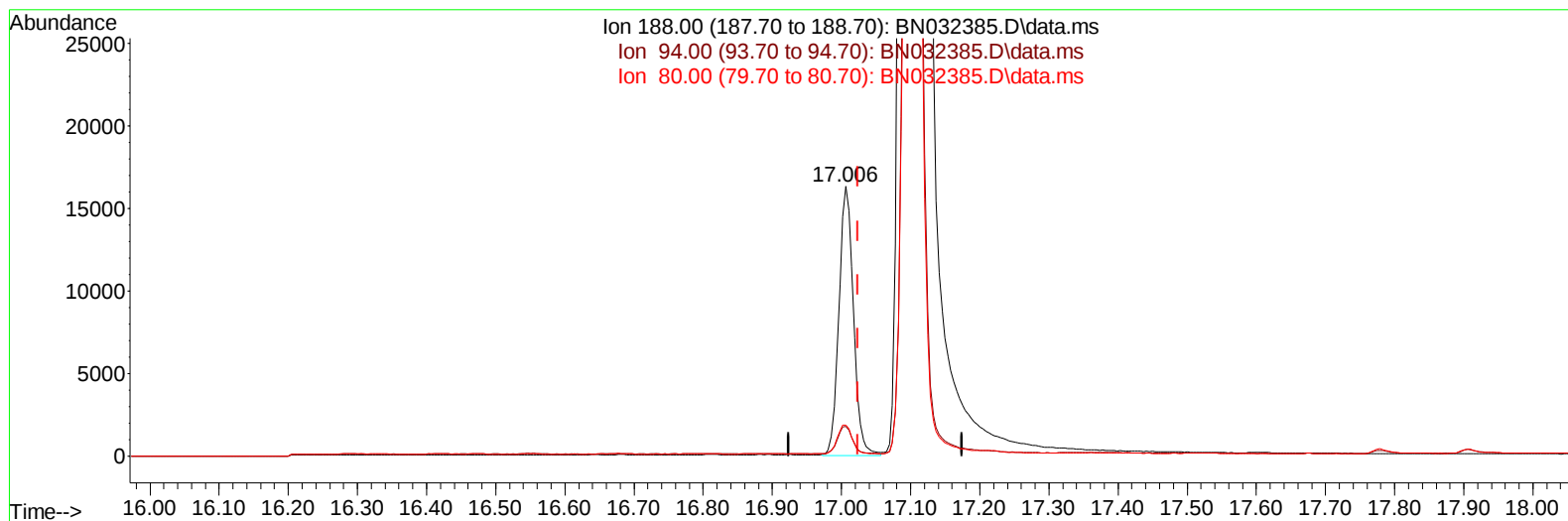
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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 :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(13) Phenanthrene-d10 (I)

17.006min (-0.018) 0.40 ng/ul m

response 23678

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	10.92
80.00	10.50	11.34
0.00	0.00	0.00

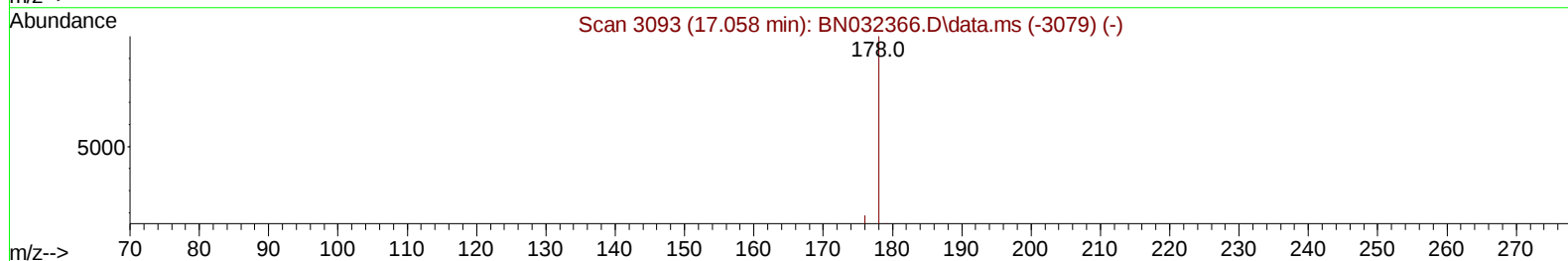
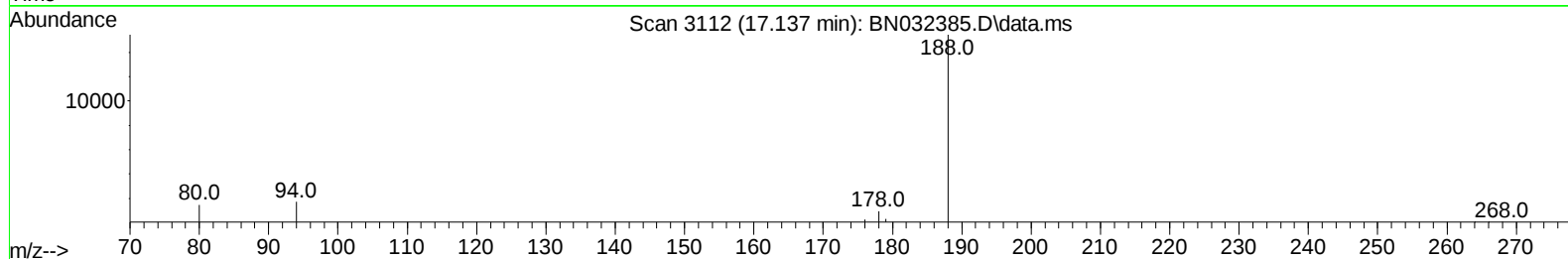
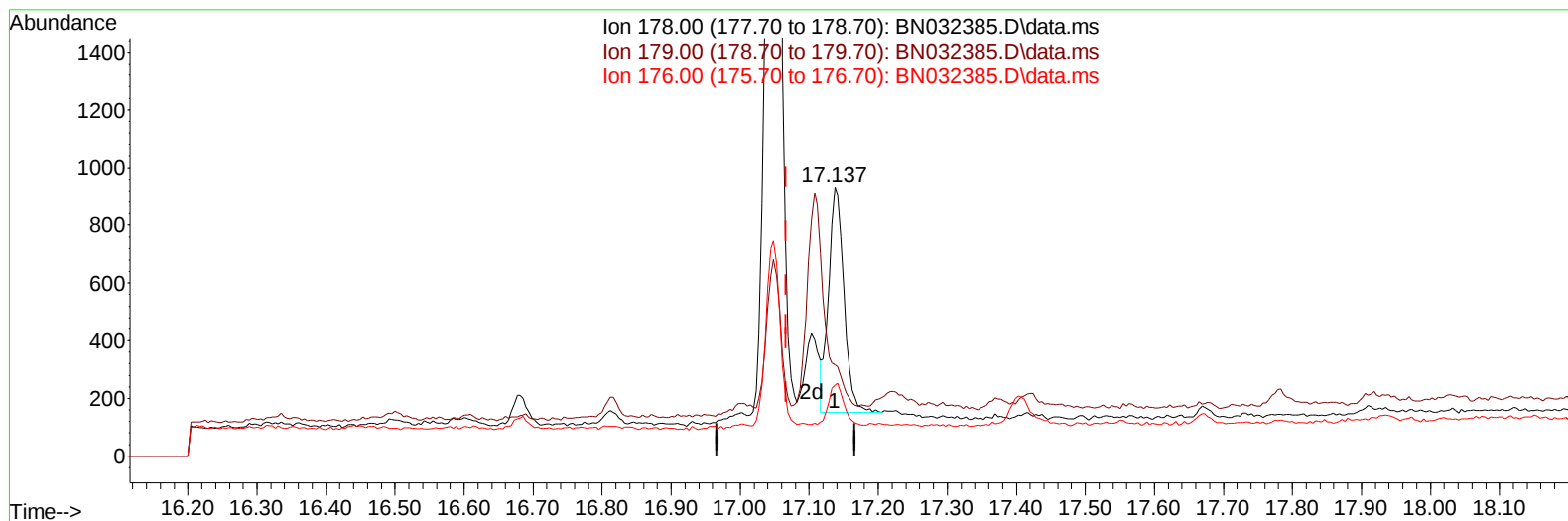
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032385.D
 Acq On : 02 Jul 2024 05:45
 Operator : MA/JU
 Sample : P2871-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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 :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(15) Phenanthrene

17.137min (+ 0.070) 0.02 ng/u1

response 1210

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	33.83#
176.00	19.50	26.45#
0.00	0.00	0.00

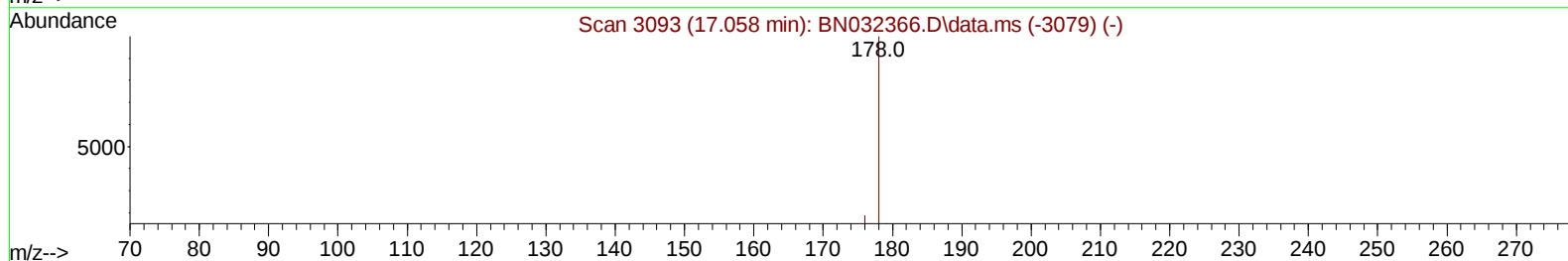
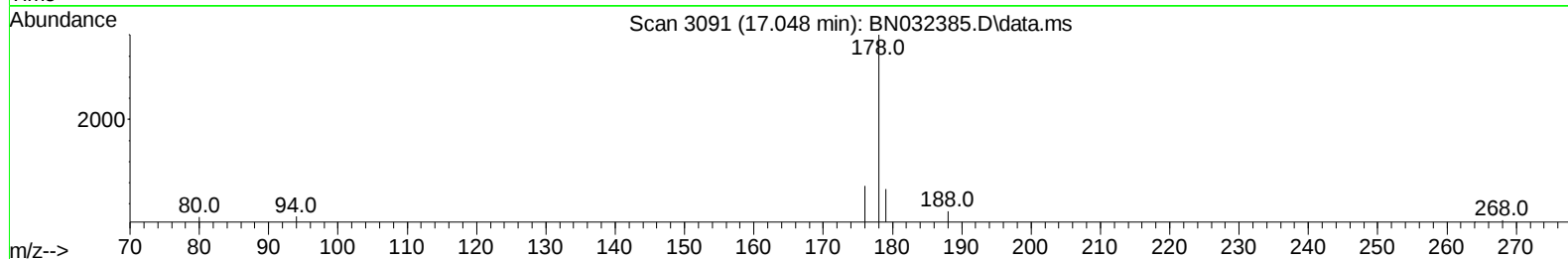
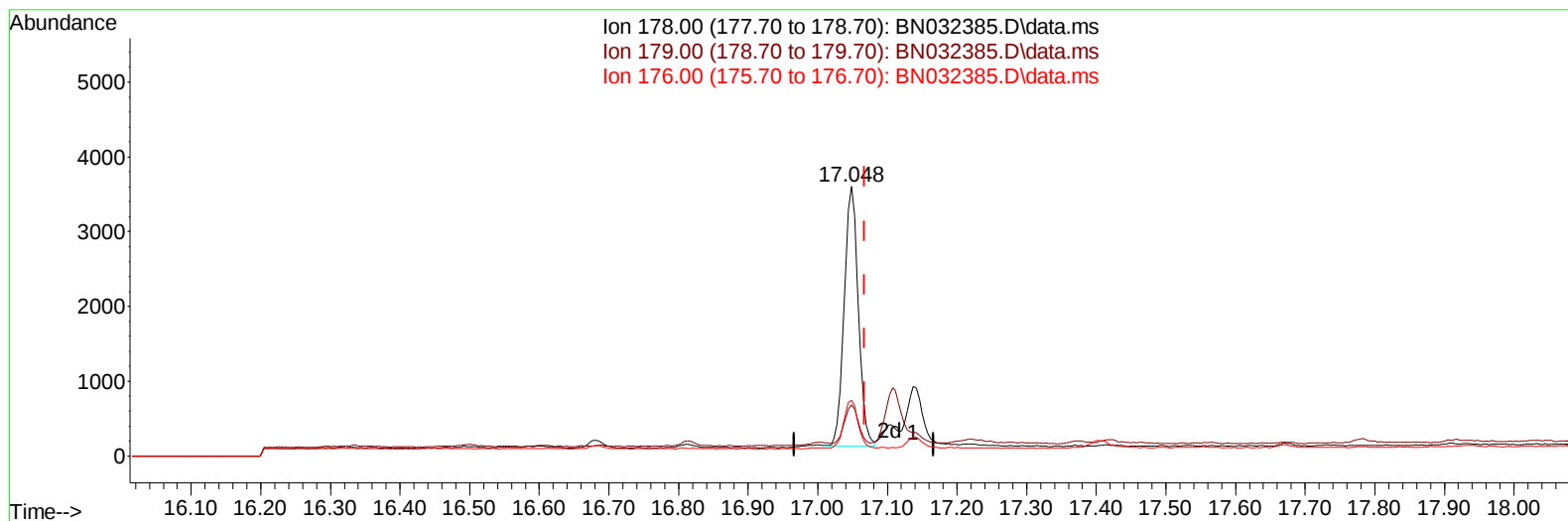
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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 :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(15) Phenanthrene

17.048min (-0.018) 0.08 ng/ul m

response 4877

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	18.90#
176.00	19.50	20.67
0.00	0.00	0.00

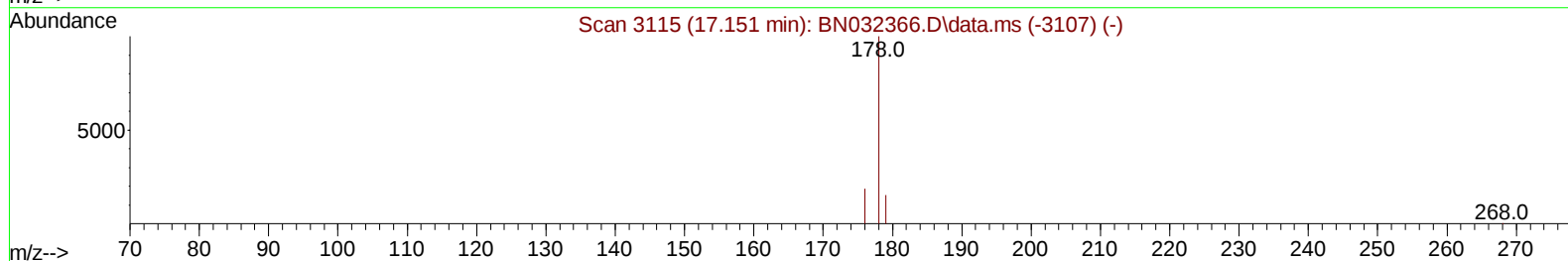
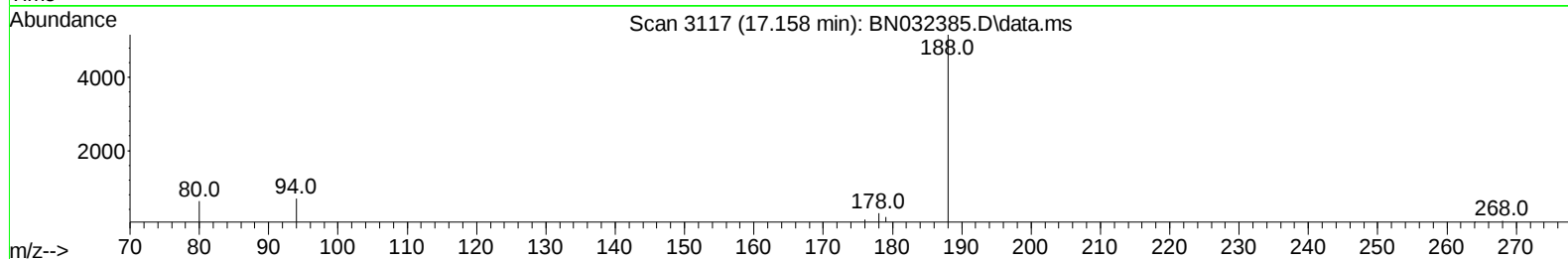
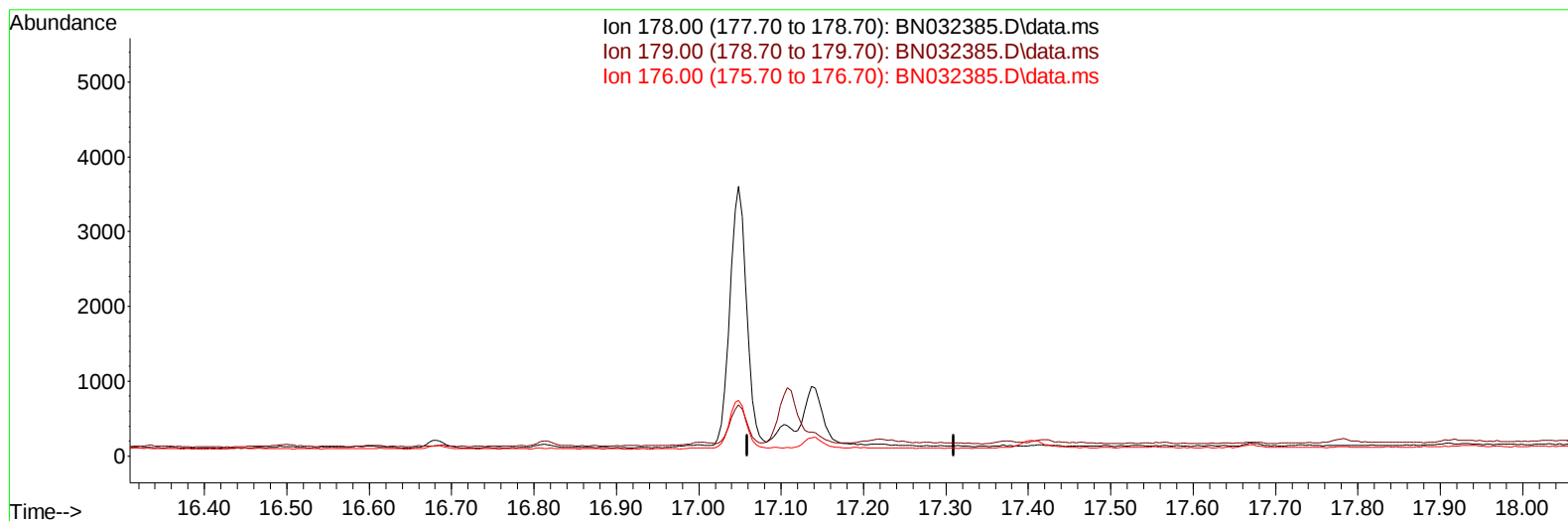
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(16) Anthracene

17.160min (-17.160) 0.00 ng/u1

response 0

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

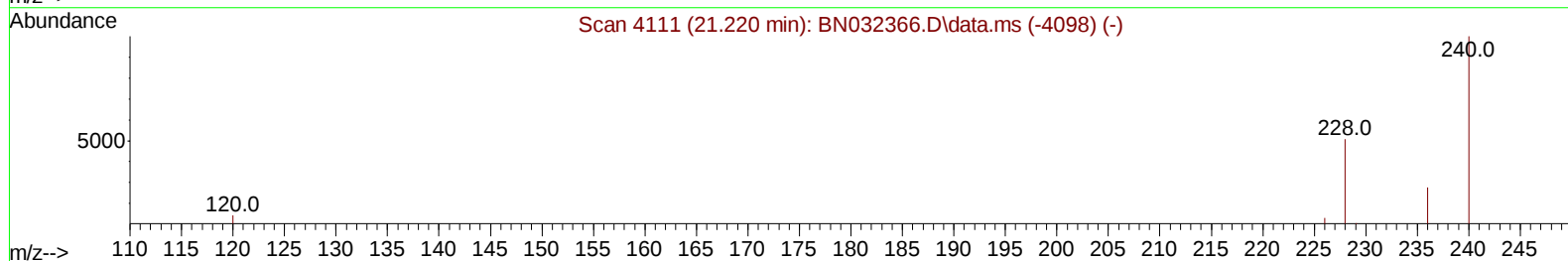
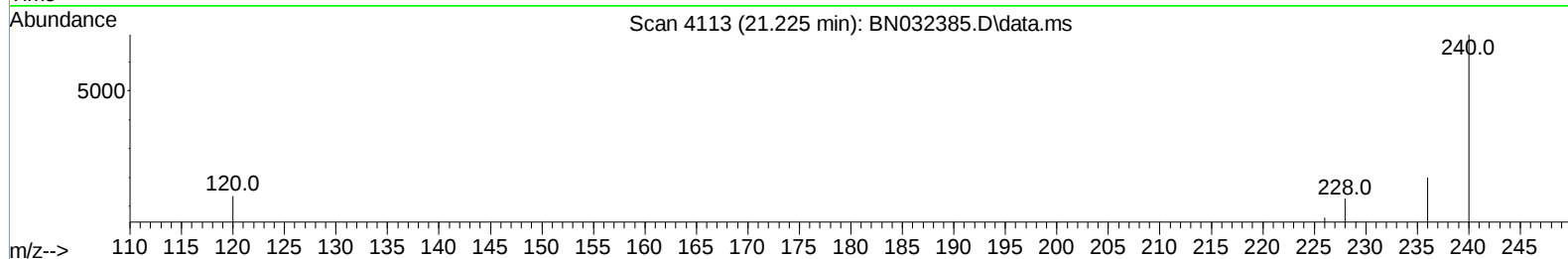
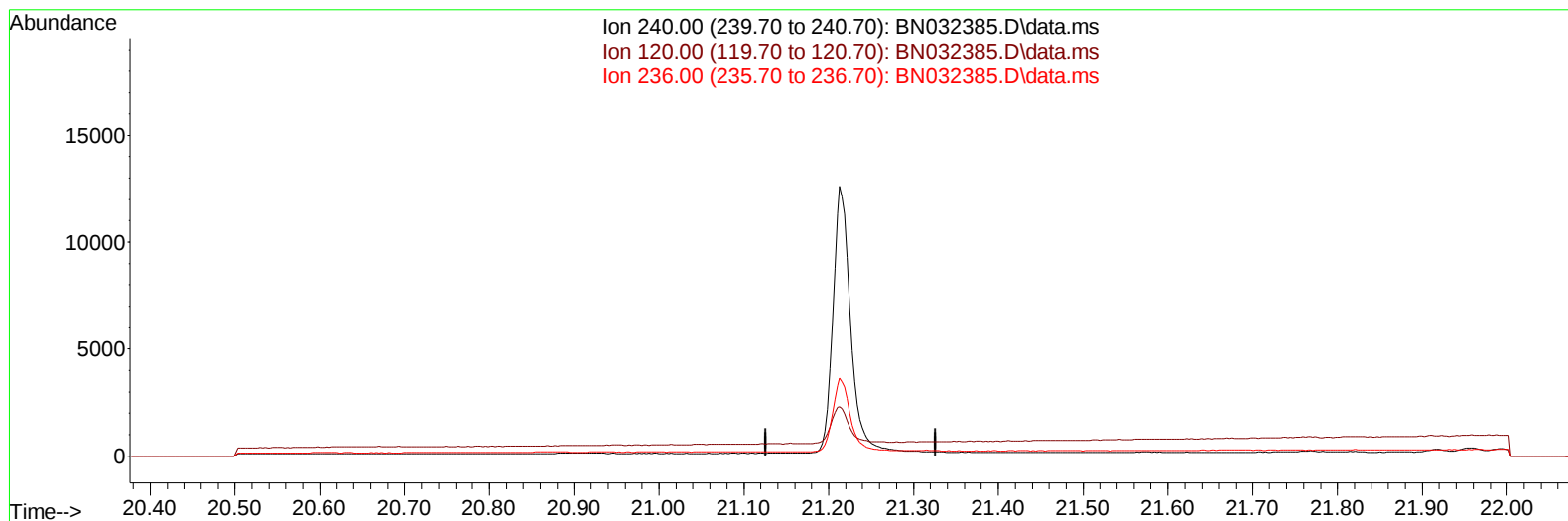
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 06:11:48 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: BN032385.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

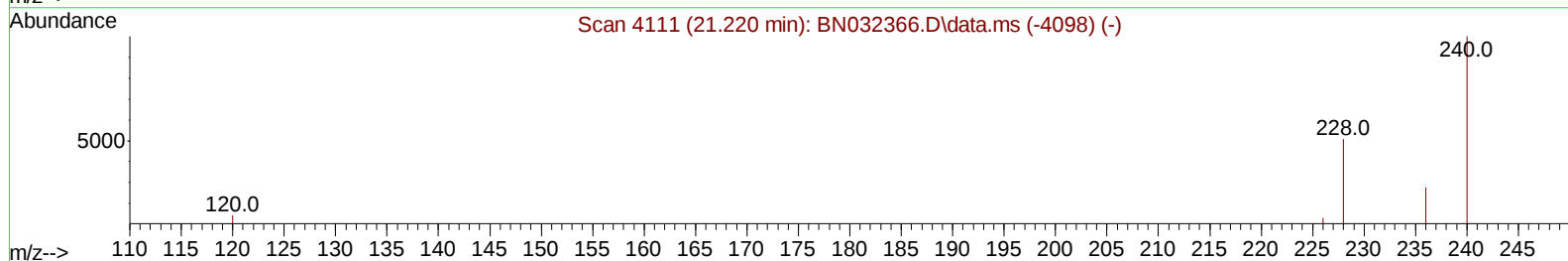
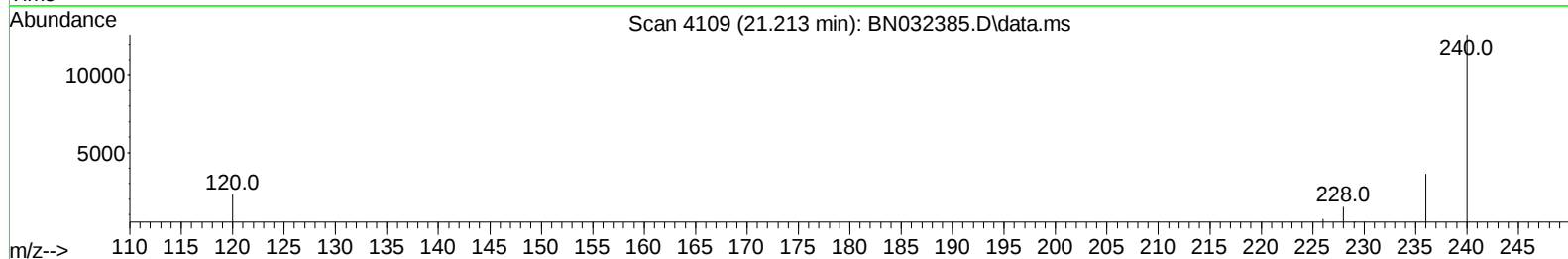
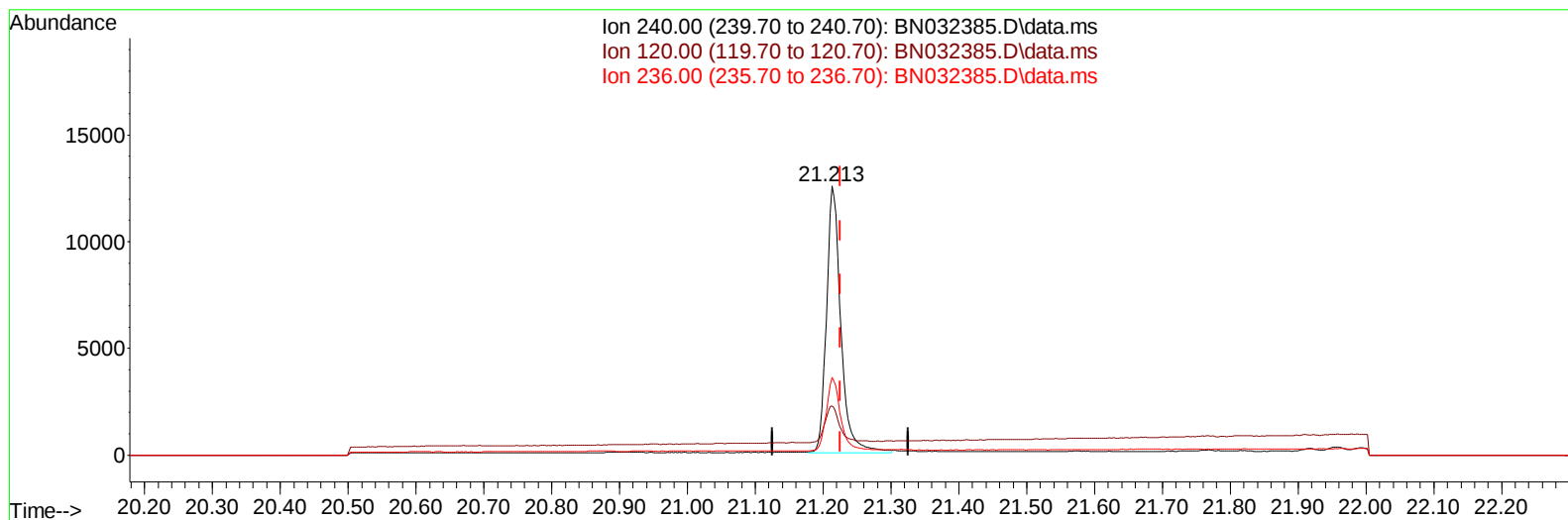
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 06:11:48 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: BN032385.D\data.ms

(17) Chrysene-d12

21.213min (-0.013) 0.40 ng/ul m

response 18427

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	18.39
236.00	28.40	28.94
0.00	0.00	0.00

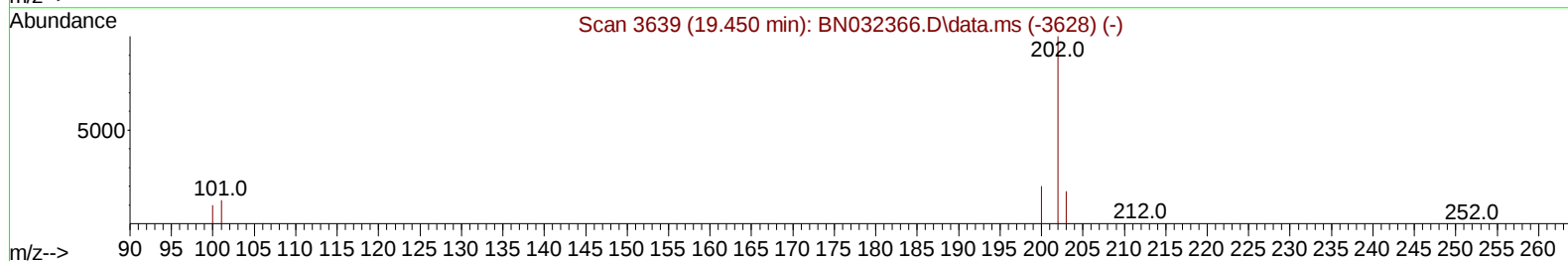
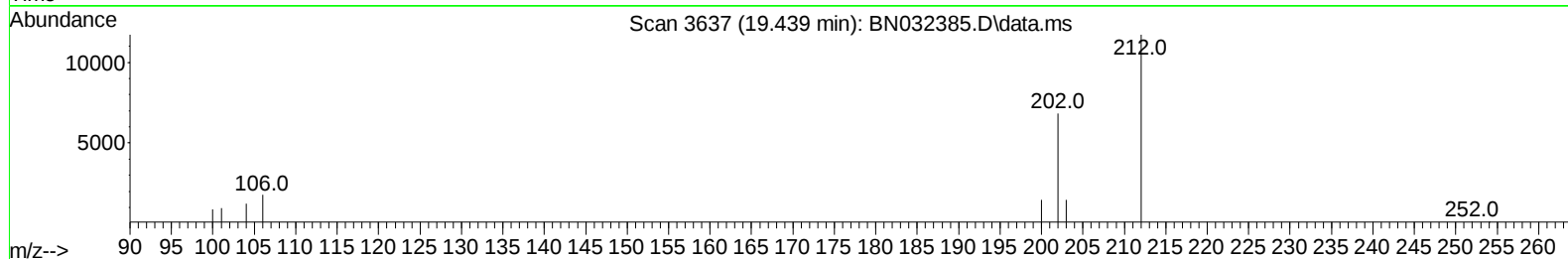
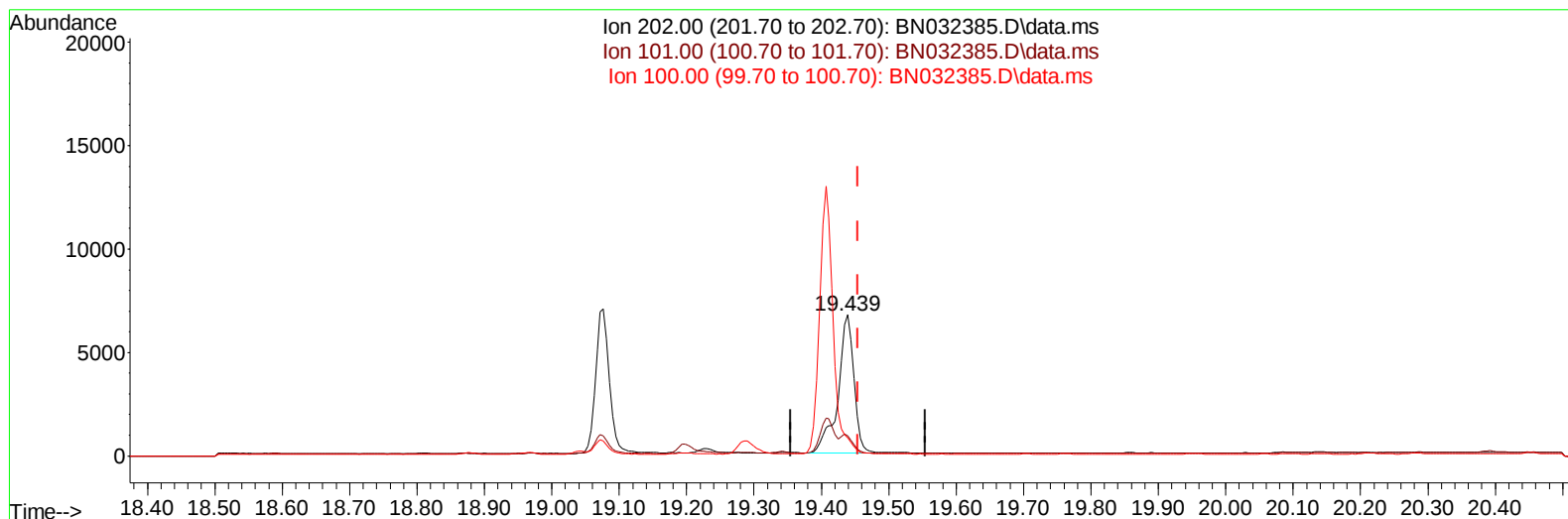
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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 :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(20) Pyrene

19.439min (-0.015) 0.15 ng/u1

response 10941

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	14.19
100.00	10.90	12.68
0.00	0.00	0.00

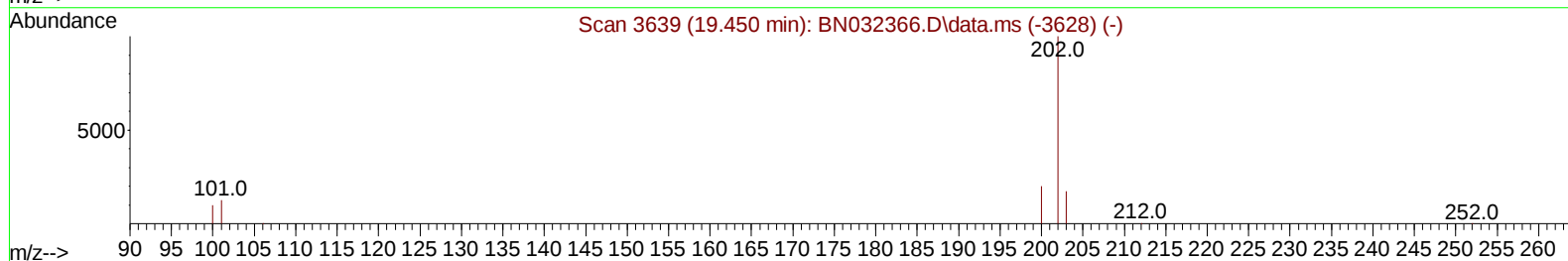
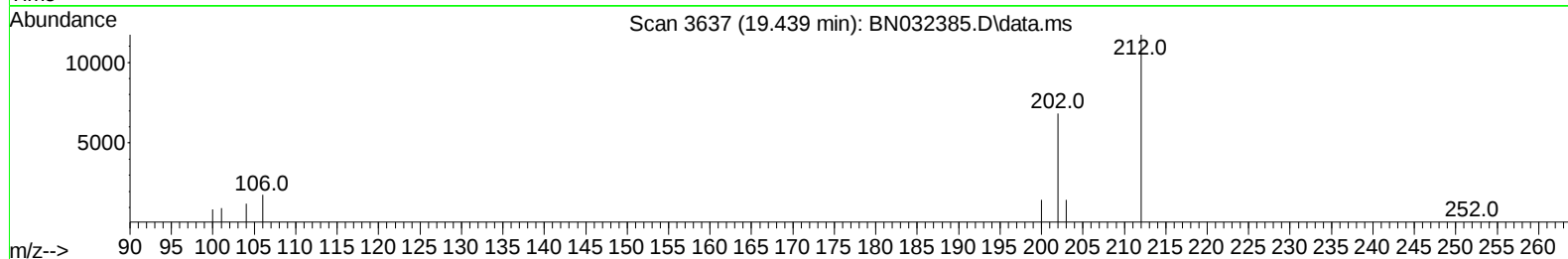
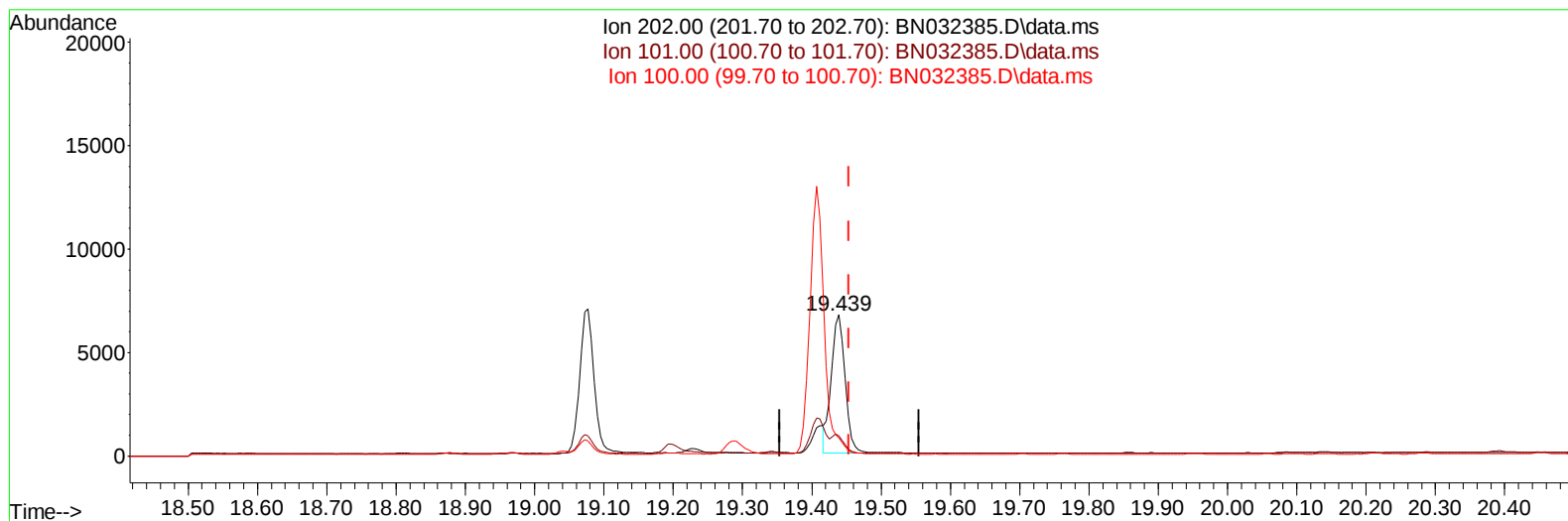
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032385.D\data.ms

(20) Pyrene

19.439min (-0.015) 0.13 ng/u1 m

response 9441

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	14.19
100.00	10.90	12.68
0.00	0.00	0.00

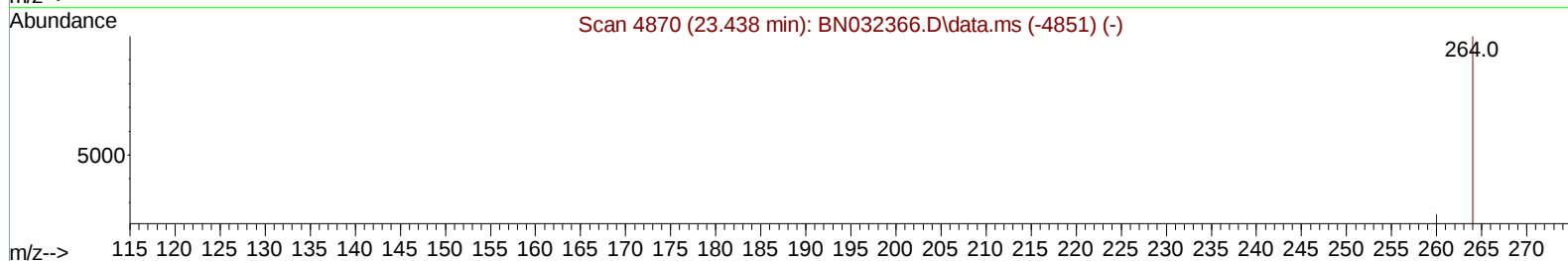
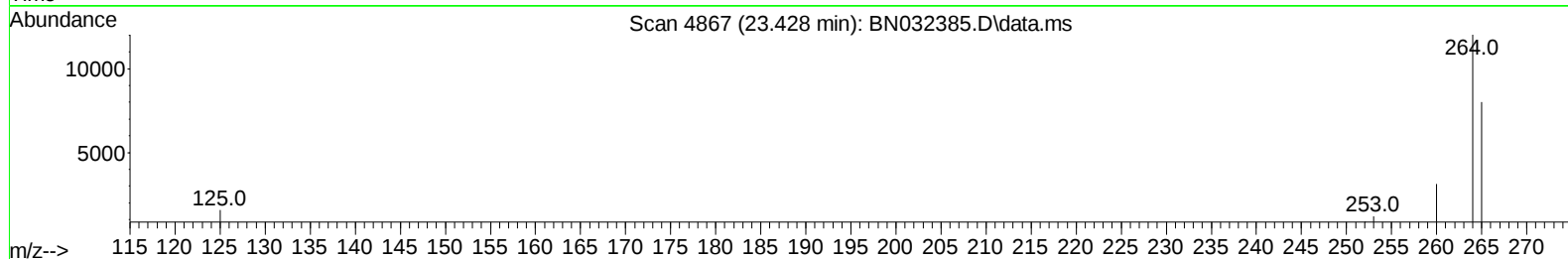
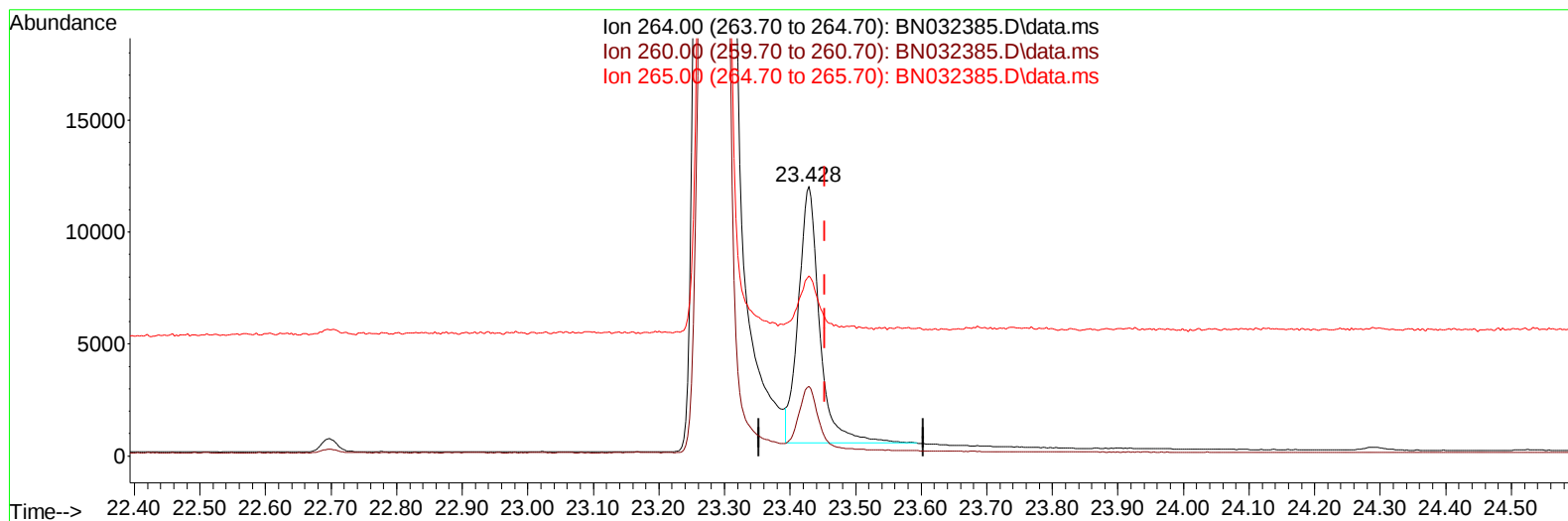
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 2024
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TIC: BN032385.D\data.ms

(23) Perylene-d12 (I)

23.428min (-0.025) 0.40 ng/u1

response 25541

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	25.87
265.00	67.20	66.74
0.00	0.00	0.00

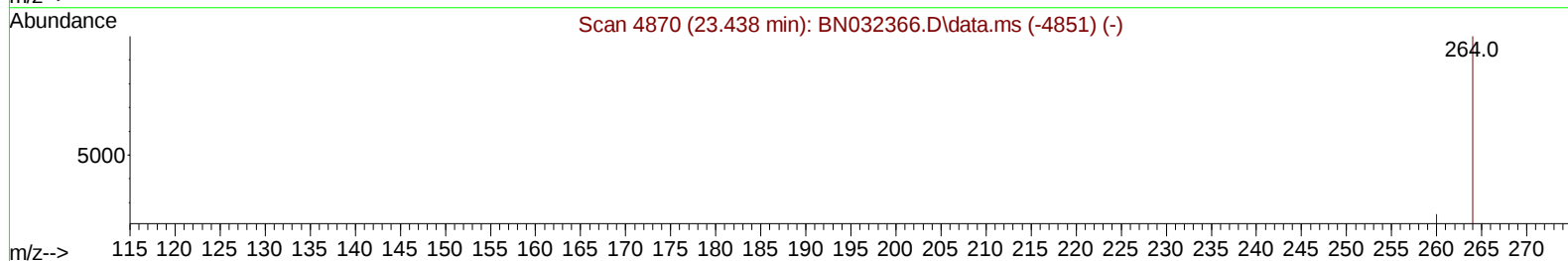
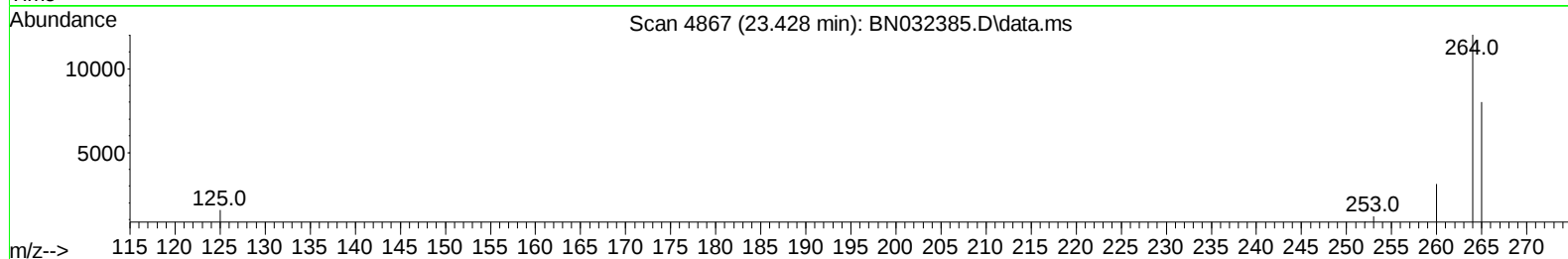
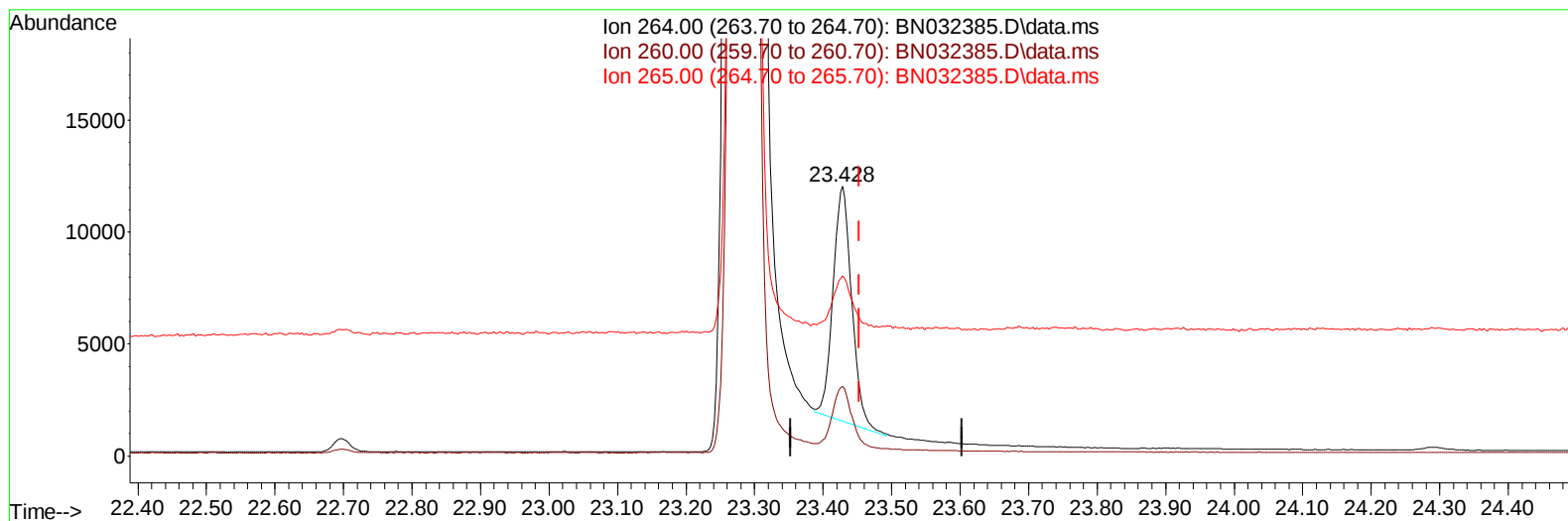
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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
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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(23) Perylene-d12 (I)

23.428min (-0.025) 0.40 ng/ul m

response 19821

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	25.87
265.00	67.20	66.74
0.00	0.00	0.00

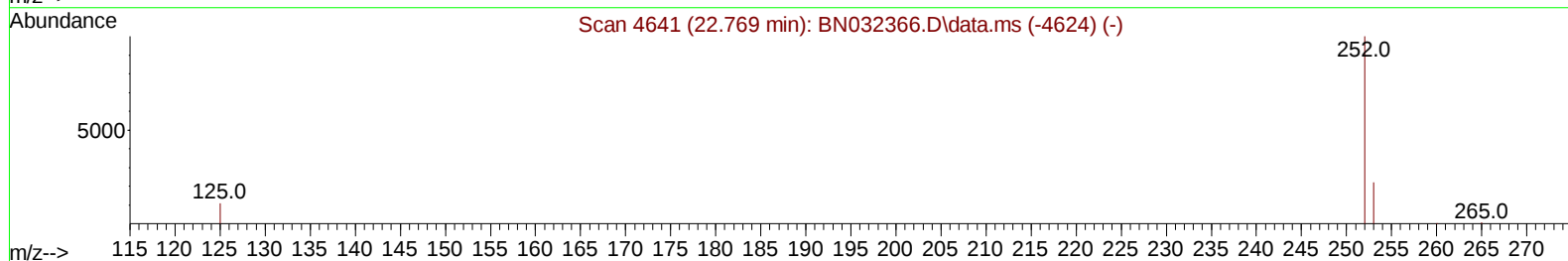
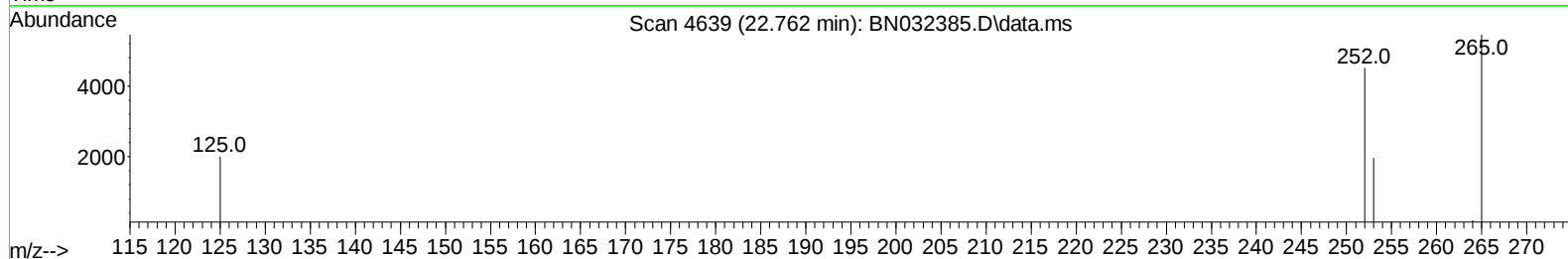
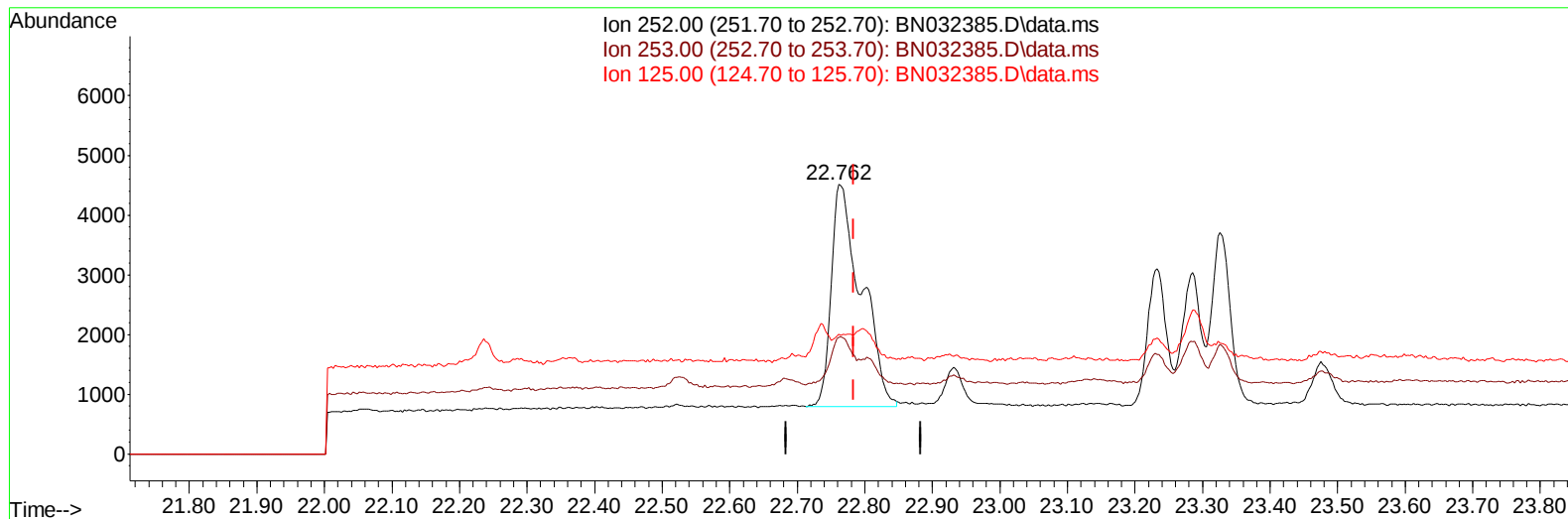
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 2024
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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(24) Benzo(b)fluoranthene

22.762min (-0.022) 0.13 ng/u1

response 11554

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	43.37
125.00	16.00	44.39#
0.00	0.00	0.00

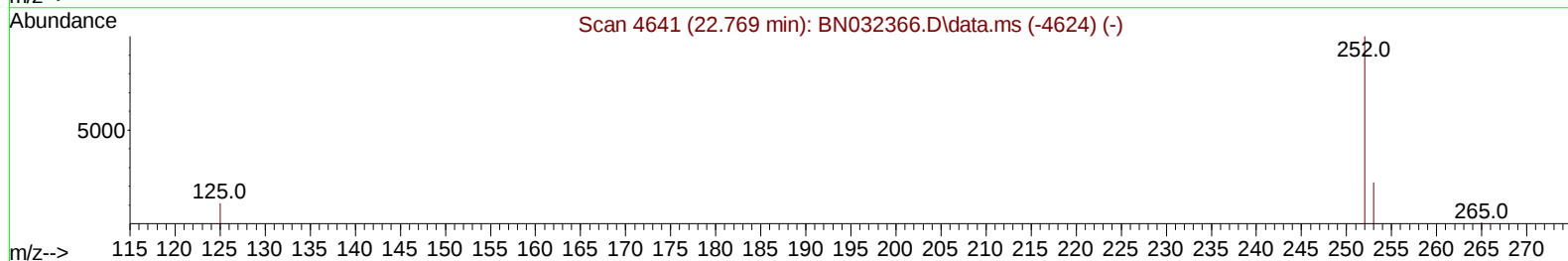
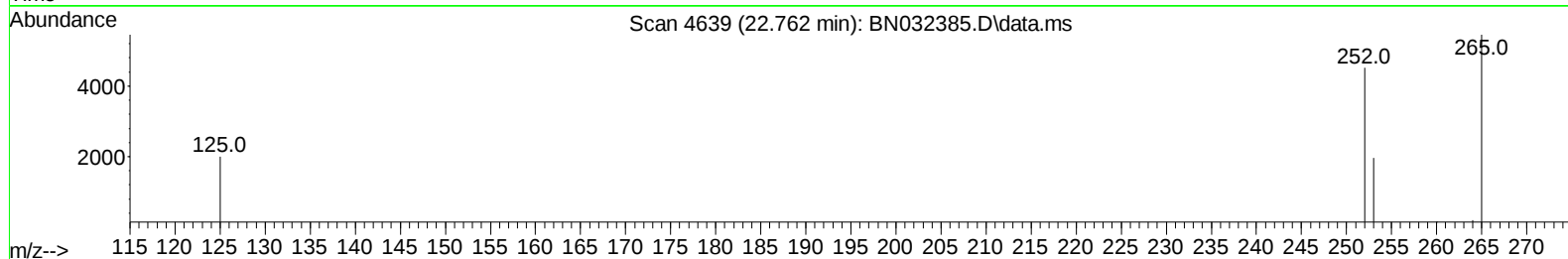
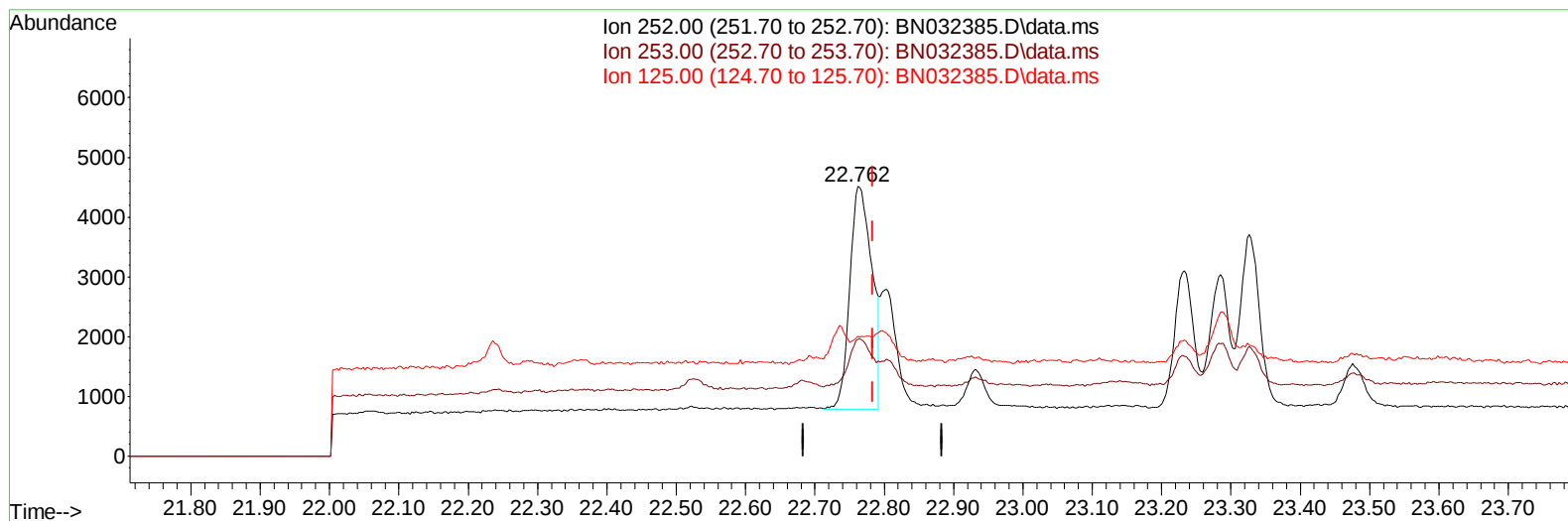
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.D\data.ms

(24) Benzo(b)fluoranthene

22.762min (-0.022) 0.10 ng/ul m

response 8298

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	43.37
125.00	16.00	44.39#
0.00	0.00	0.00

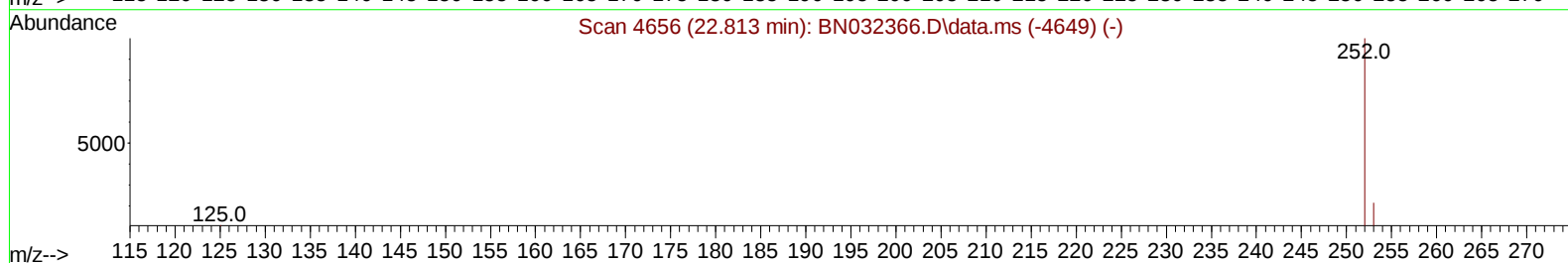
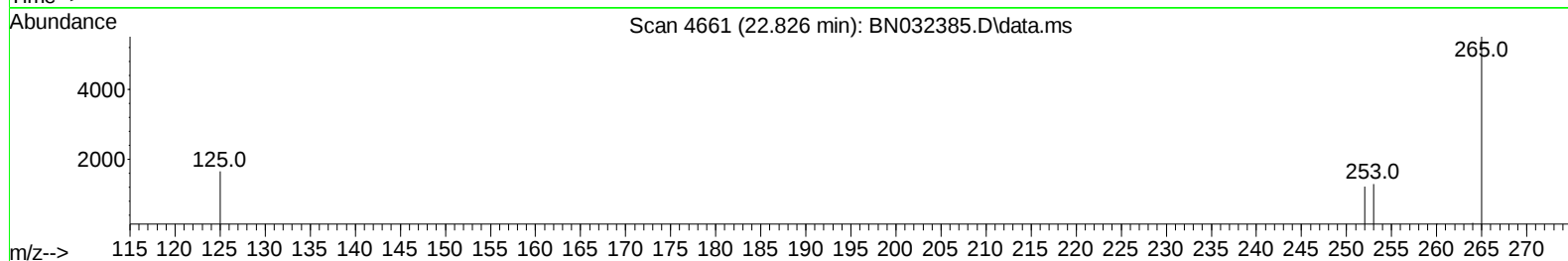
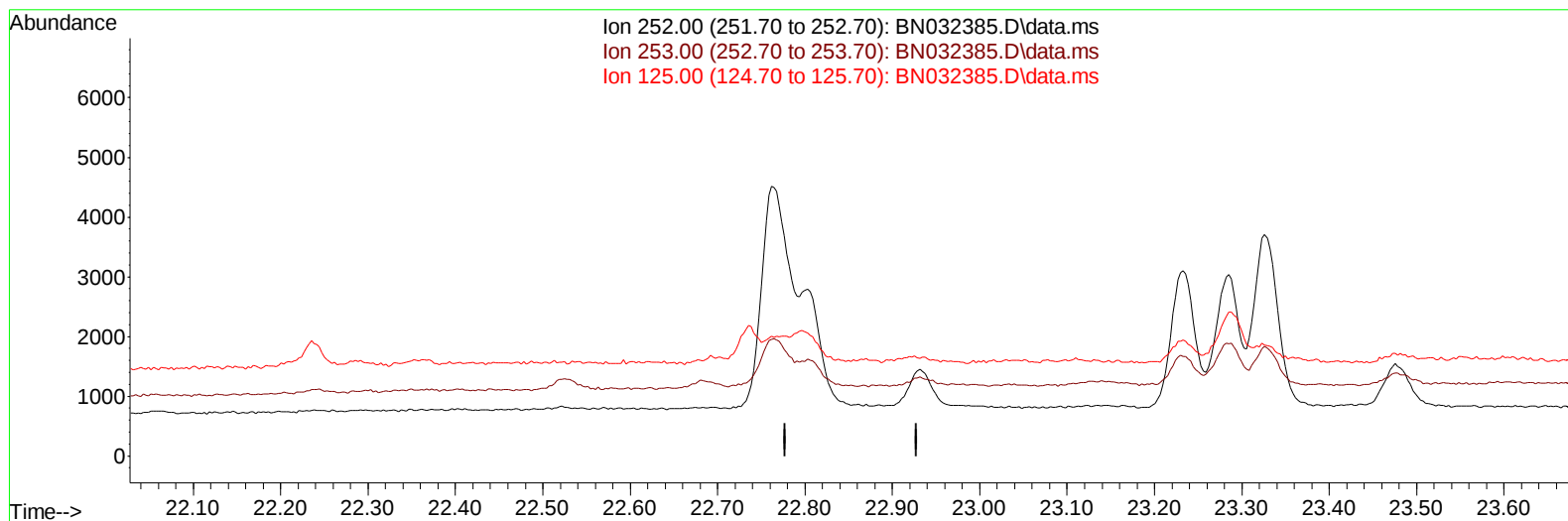
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 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 :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032385.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

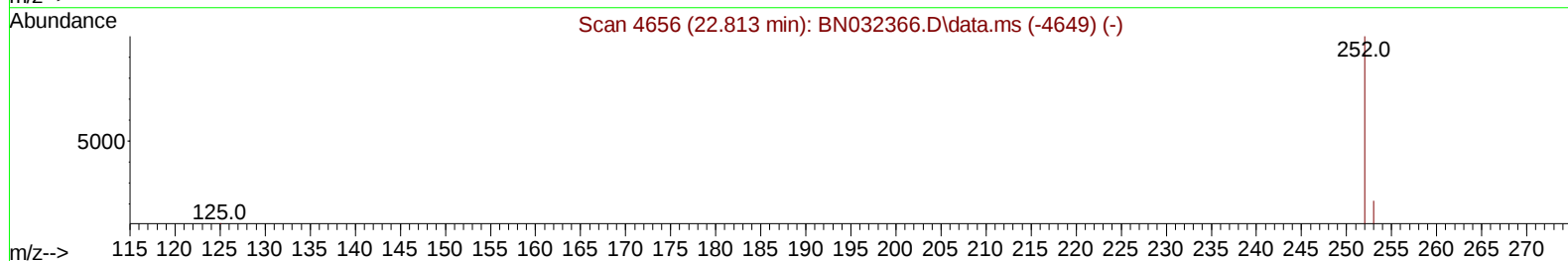
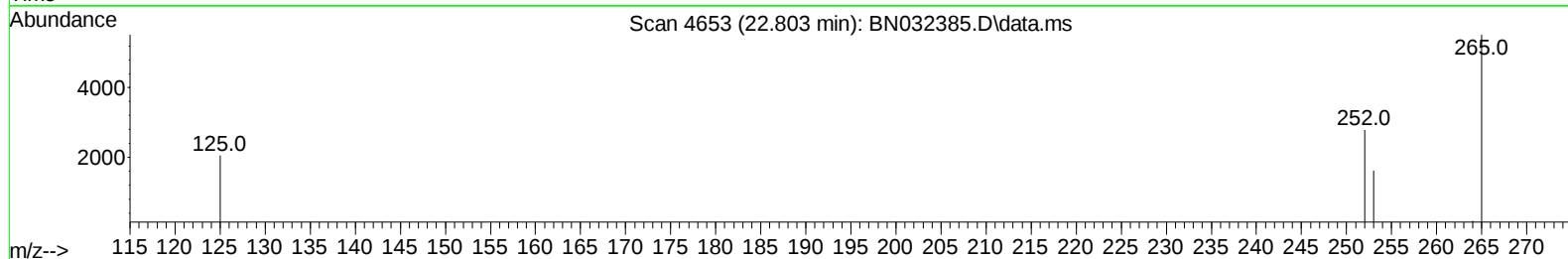
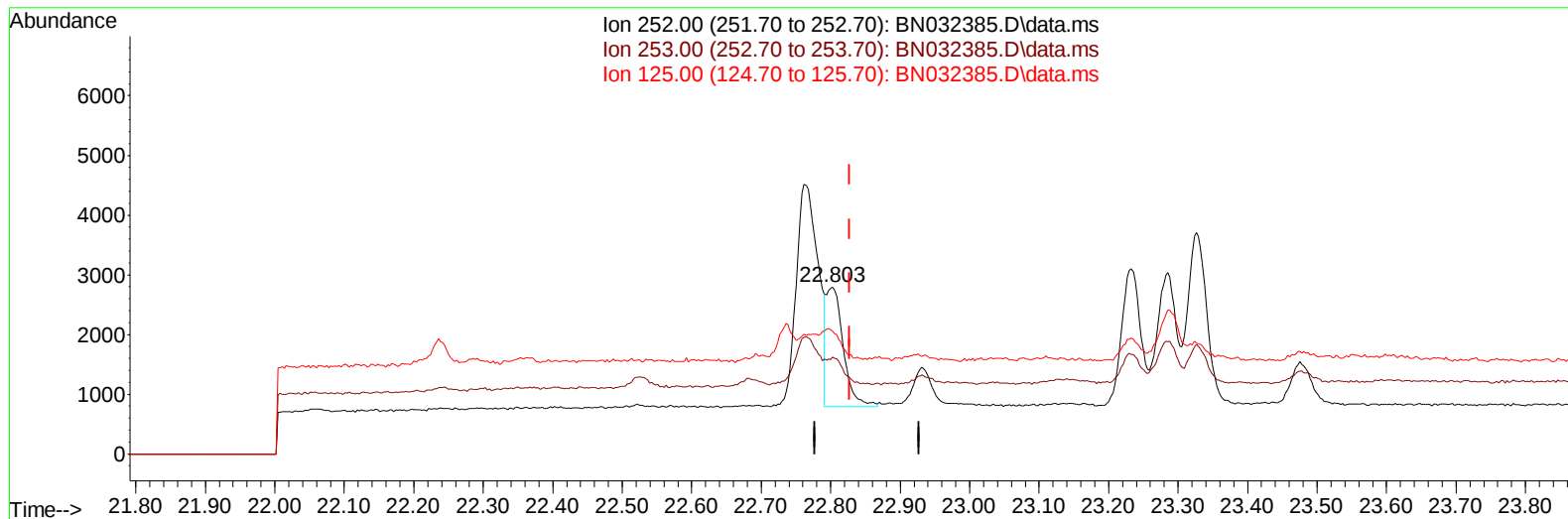
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032385.D
Acq On : 02 Jul 2024 05:45
Operator : MA/JU
Sample : P2871-13
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN3

Manual IntegrationsAPPROVED

Quant Time: Jul 02 06:11:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032385.D\data.ms

(25) Benzo(k)fluoranthene

22.803min (-0.025) 0.04 ng/ul m

response 3339

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	57.98#
125.00	16.00	73.55#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032385.D
 Acq On : 02 Jul 2024 05:45
 Operator : MA/JU
 Sample : P2871-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN3

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 06:11:48 2024
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 QLast Update : Thu Jun 27 13:23:38 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	8795	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.381	136	26633	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.252	164	13879	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.006	188	23678m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.213	240	18427m	0.400	ng/ul	-0.01
23) Perylene-d12	23.428	264	19821m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.148	96	19901	2.036	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.981	152	6733	0.169	ng/ul	-0.02
18) Fluoranthene-d10	19.044	212	13709	0.247	ng/ul	-0.02
Target Compounds						
					Qvalue	
15) Phenanthrene	17.048	178	4877m	0.075	ng/ul	
19) Fluoranthene	19.077	202	10192	0.145	ng/ul#	94
20) Pyrene	19.439	202	9441m	0.129	ng/ul	
21) Benzo(a)anthracene	21.198	228	5353	0.080	ng/ul#	89
22) Chrysene	21.248	228	5133	0.070	ng/ul#	90
24) Benzo(b)fluoranthene	22.762	252	8298m	0.096	ng/ul	
25) Benzo(k)fluoranthene	22.803	252	3339m	0.040	ng/ul	
26) Benzo(a)pyrene	23.326	252	5286	0.088	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	25.668	276	4582	0.049	ng/ul#	97
29) Benzo(g,h,i)perylene	26.356	276	4633	0.062	ng/ul#	71

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

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