

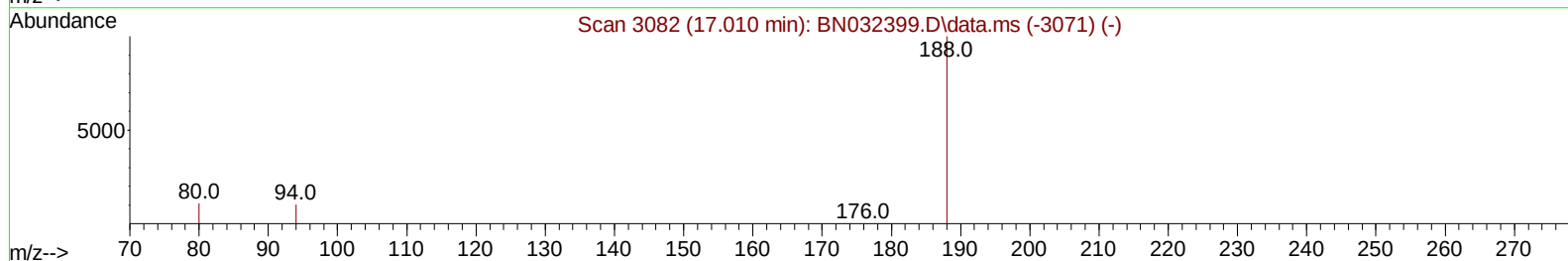
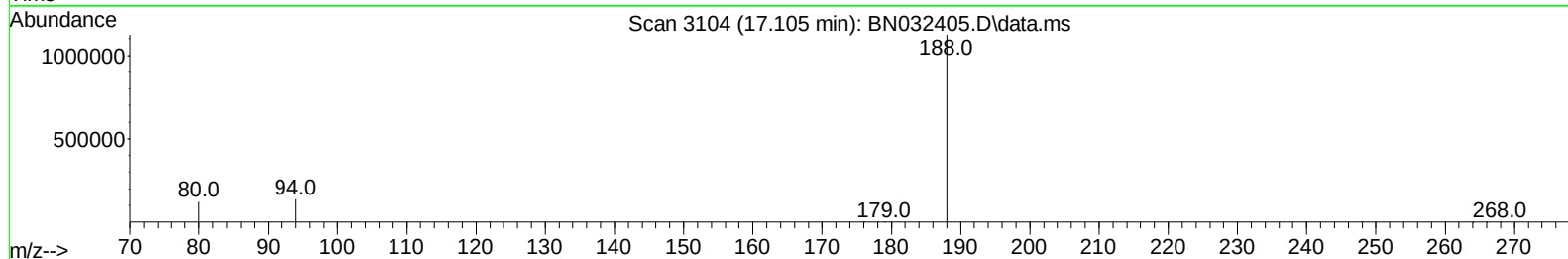
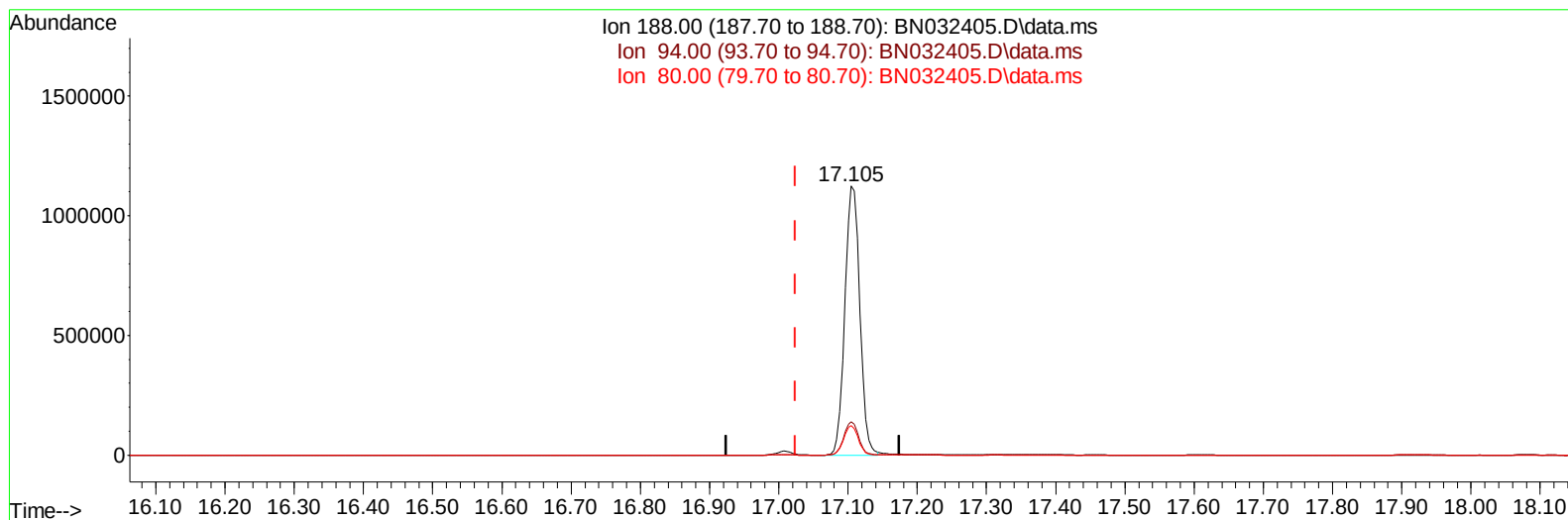
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 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 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(13) Phenanthrene-d10 (I)

17.105min (+ 0.080) 0.40 ng/u1

response 1688761

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.29#
80.00	10.50	10.91
0.00	0.00	0.00

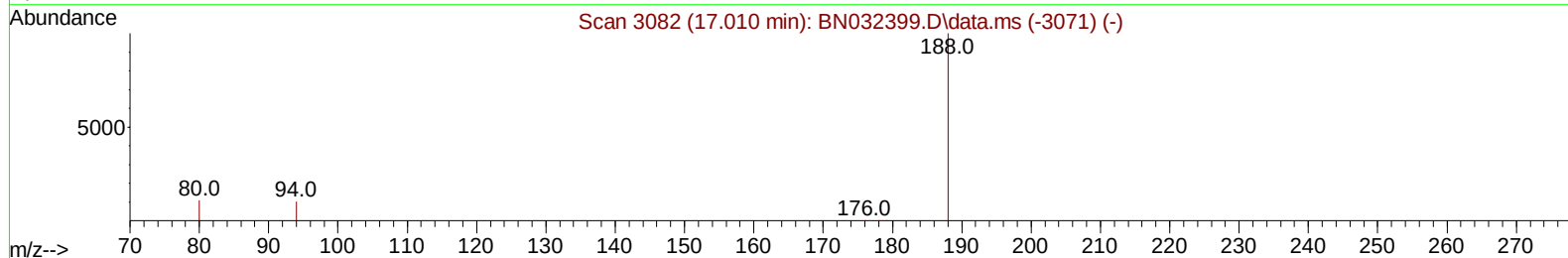
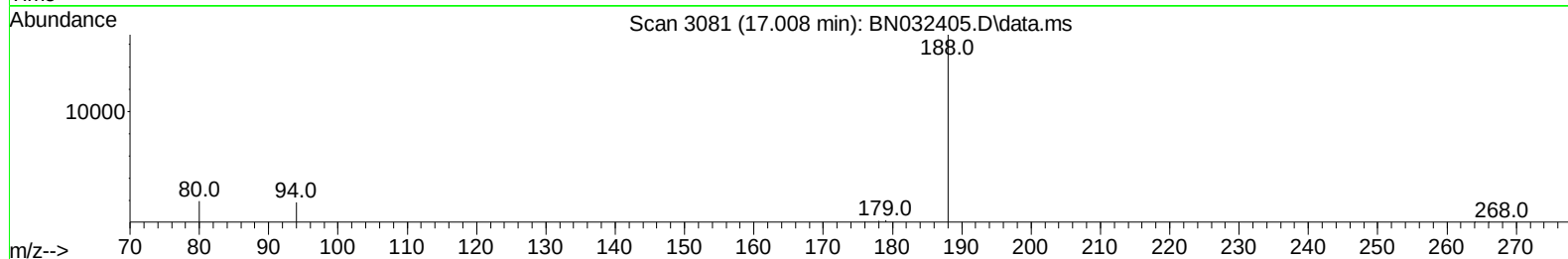
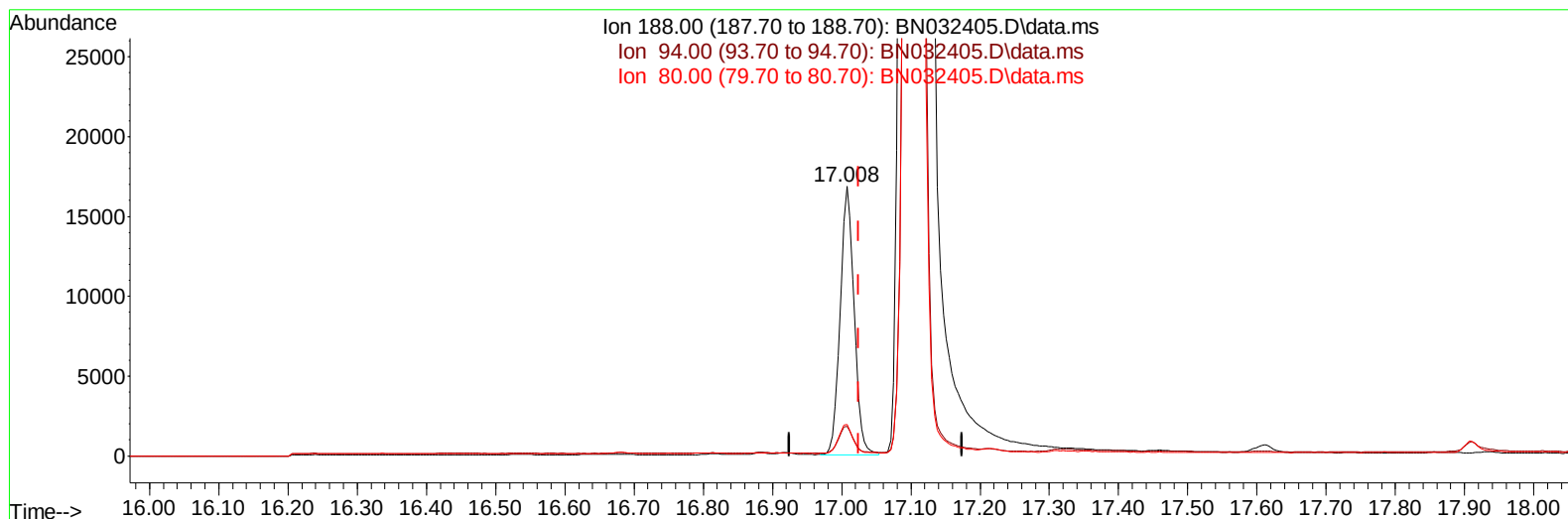
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 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 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(13) Phenanthrene-d10 (I)

17.008min (-0.017) 0.40 ng/ul m

response 23623

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	10.91
80.00	10.50	11.62
0.00	0.00	0.00

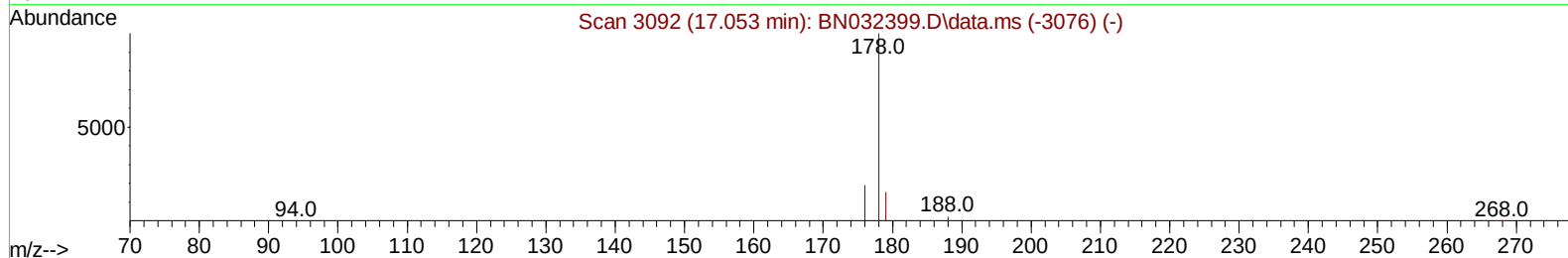
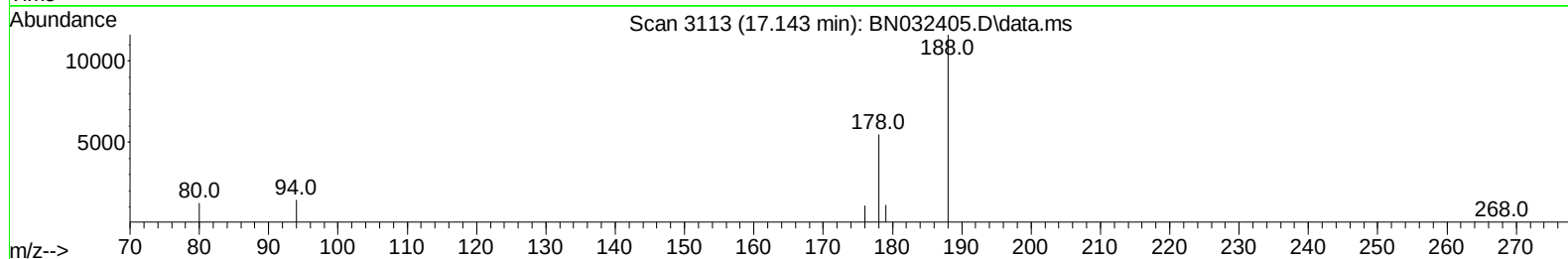
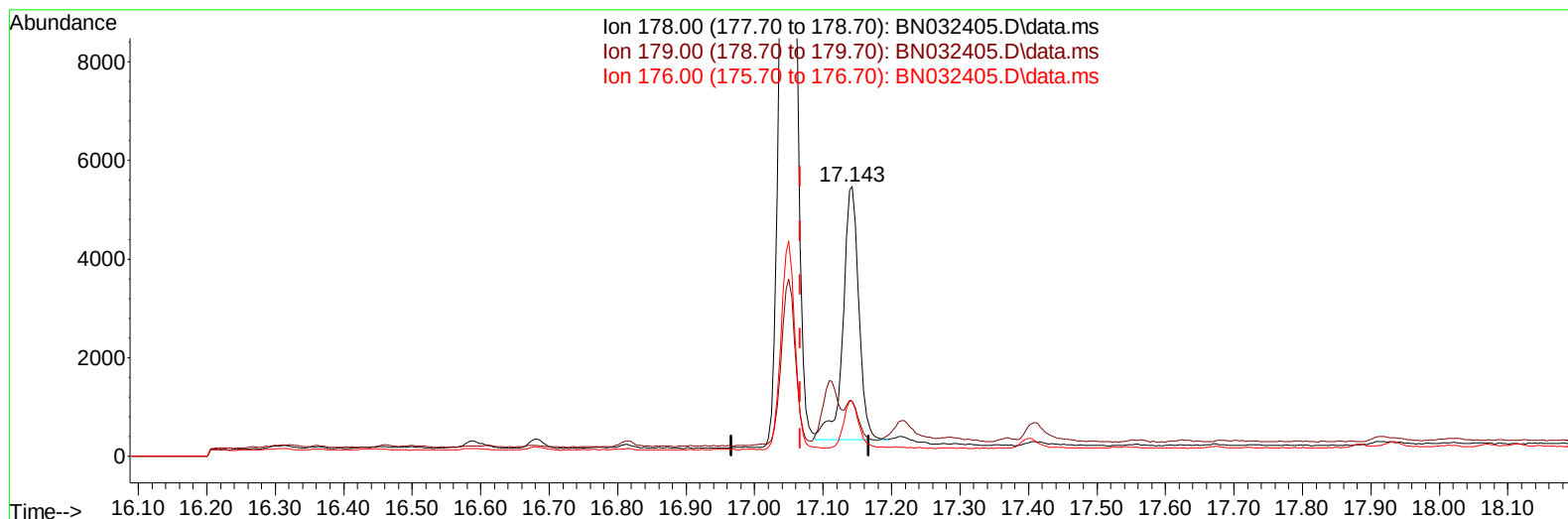
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 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 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(15) Phenanthrene

17.143min (+ 0.076) 0.13 ng/ul

response 8278

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	20.52#
176.00	19.50	20.18
0.00	0.00	0.00

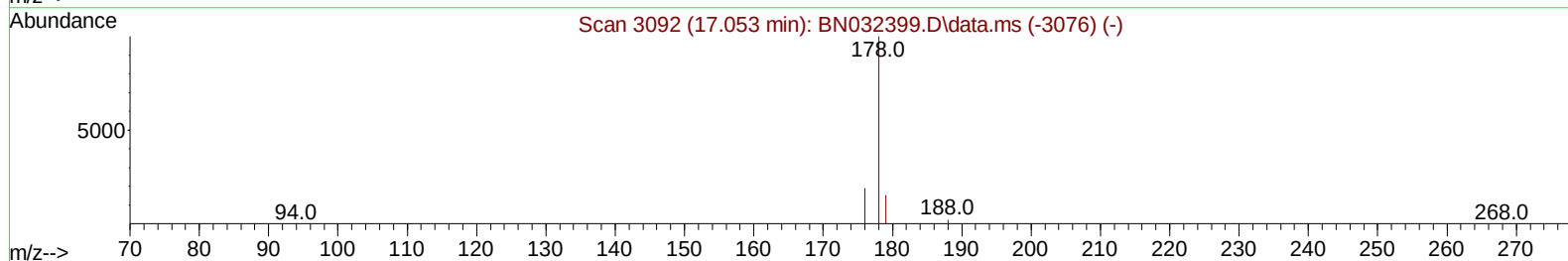
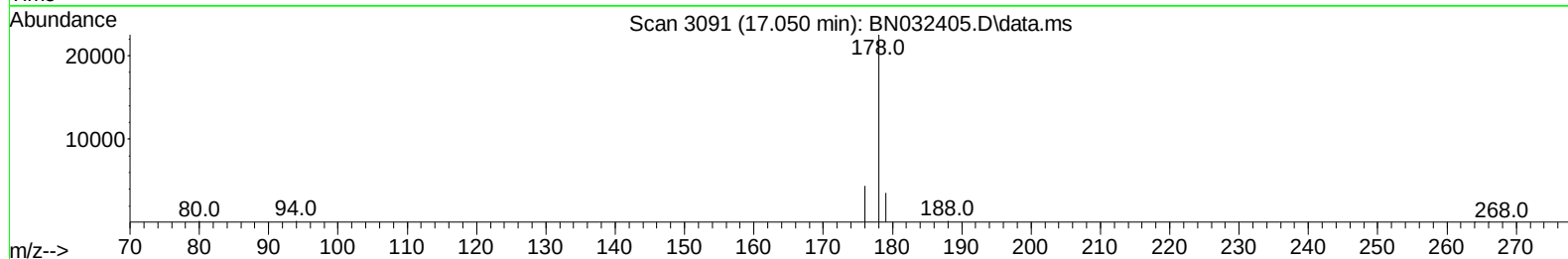
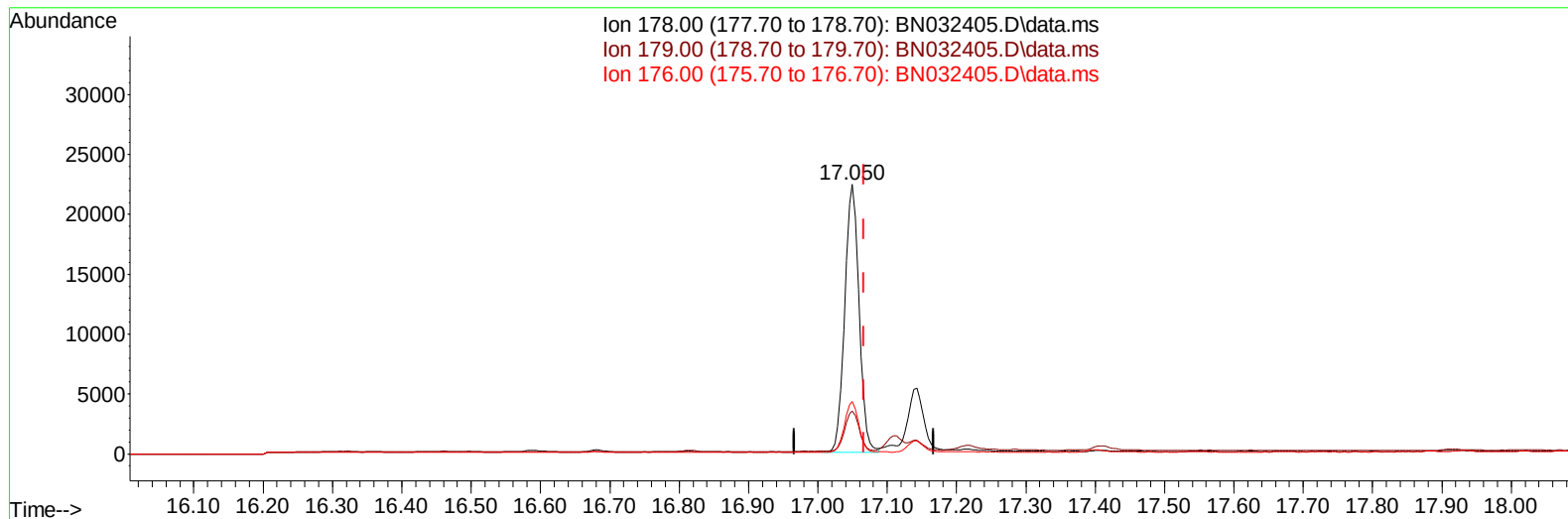
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032405.D
 Acq On : 02 Jul 2024 17:48
 Operator : MA/JU
 Sample : P2871-10
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 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 07/03/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(15) Phenanthrene

17.050min (-0.017) 0.50 ng/ul m

response 32170

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.00
176.00	19.50	19.41
0.00	0.00	0.00

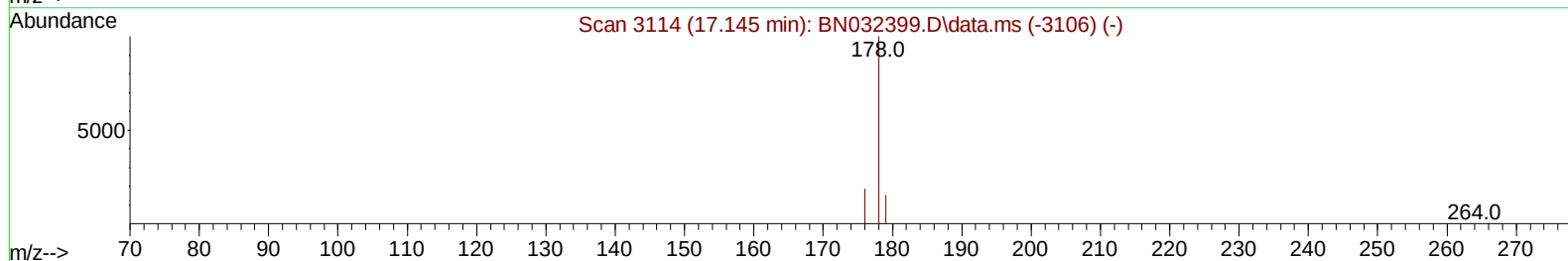
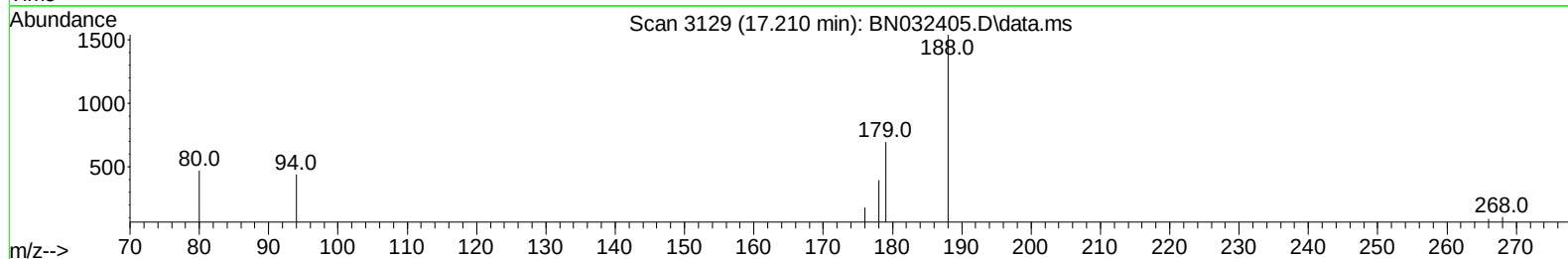
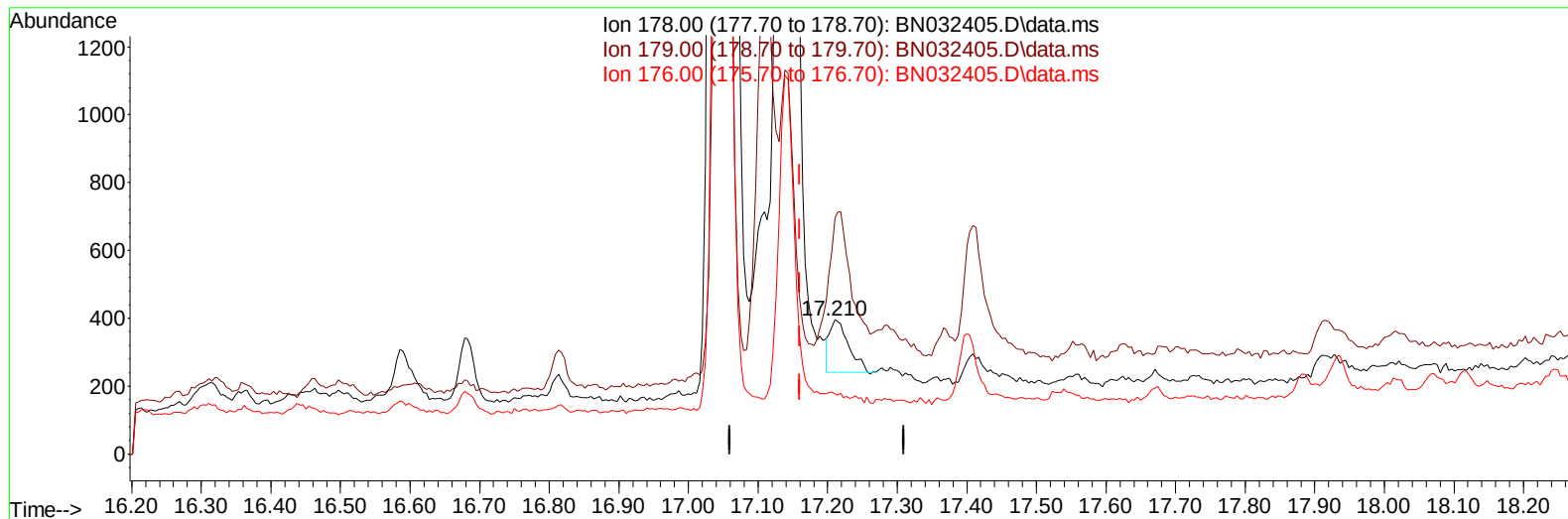
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 2024
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Reviewed By :Yogesh Patel 07/03/2024
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TIC: BN032405.D\data.ms

(16) Anthracene

17.210min (+ 0.051) 0.01 ng/u1

response 291

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	175.51#
176.00	18.80	44.95#
0.00	0.00	0.00

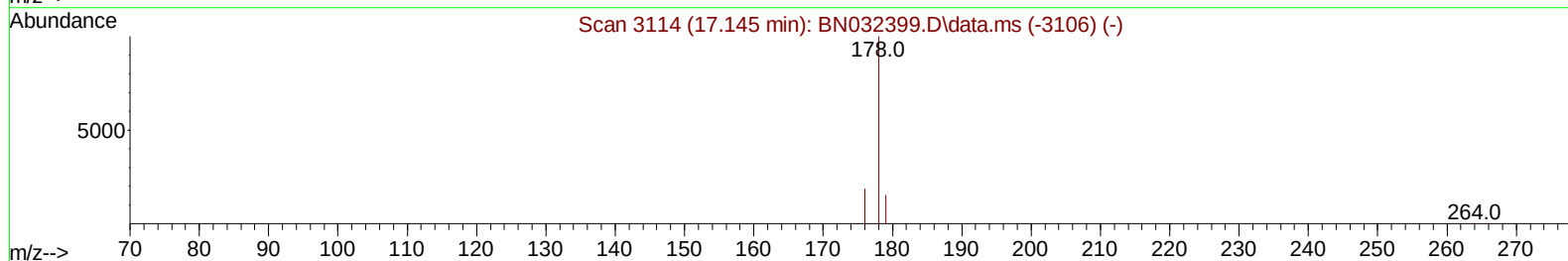
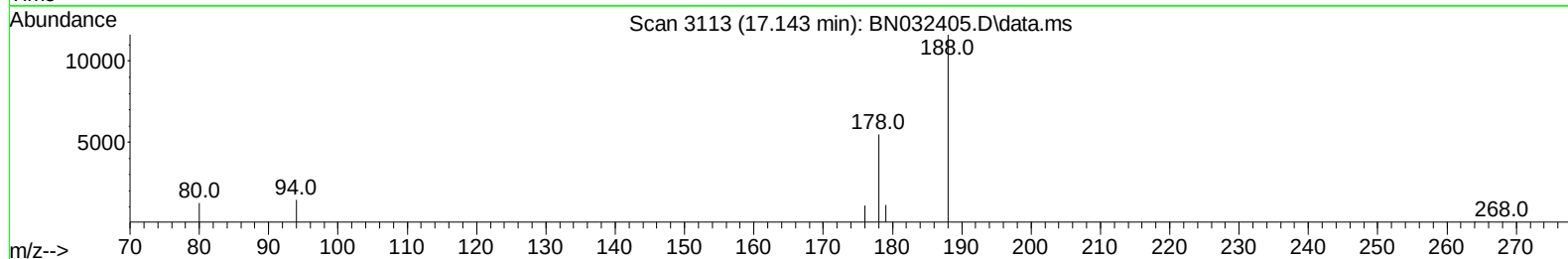
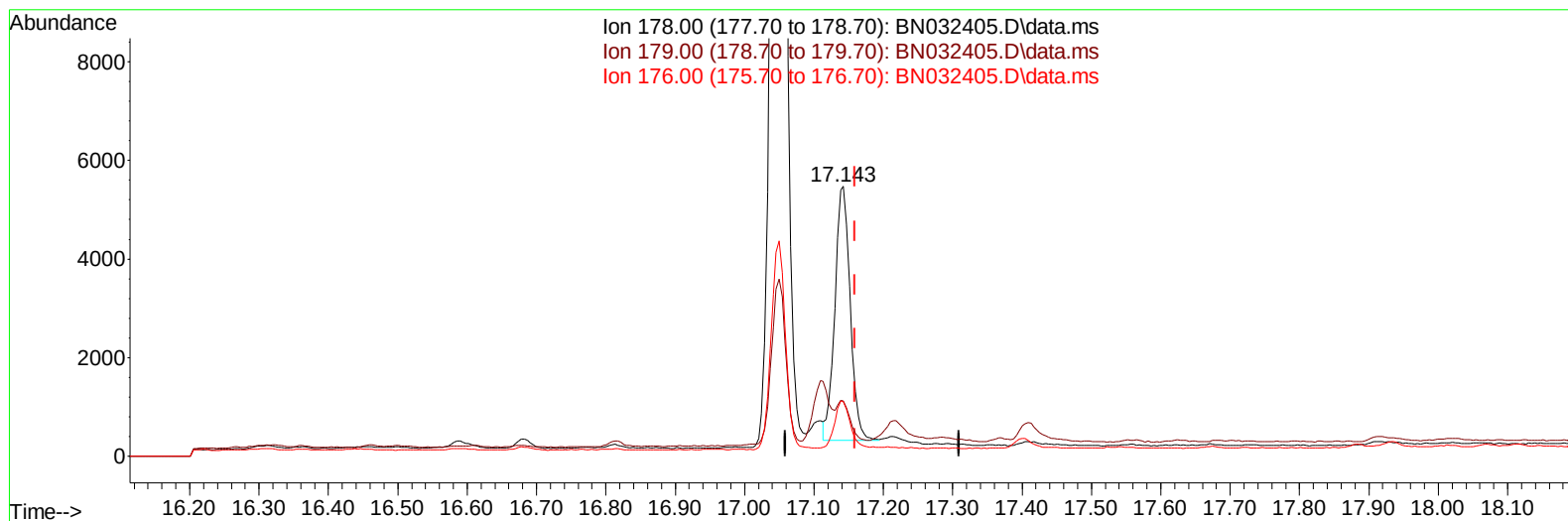
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 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 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(16) Anthracene

17.143min (-0.017) 0.14 ng/ul m

response 7892

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	20.52#
176.00	18.80	20.18
0.00	0.00	0.00

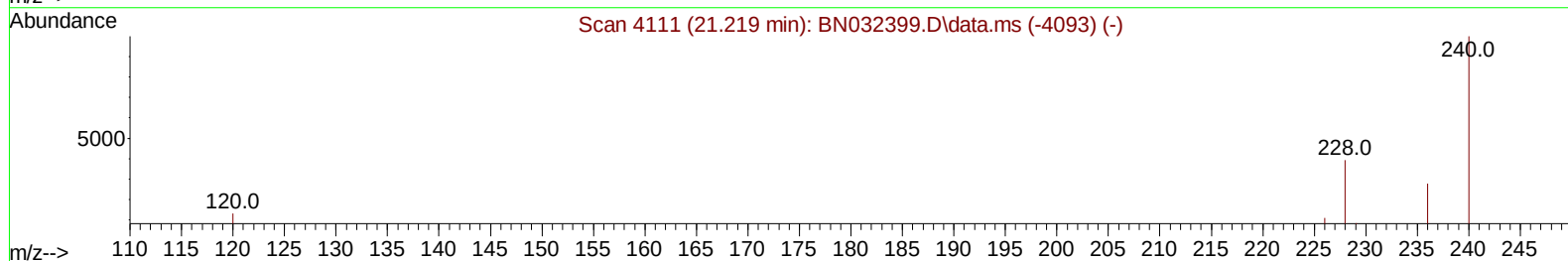
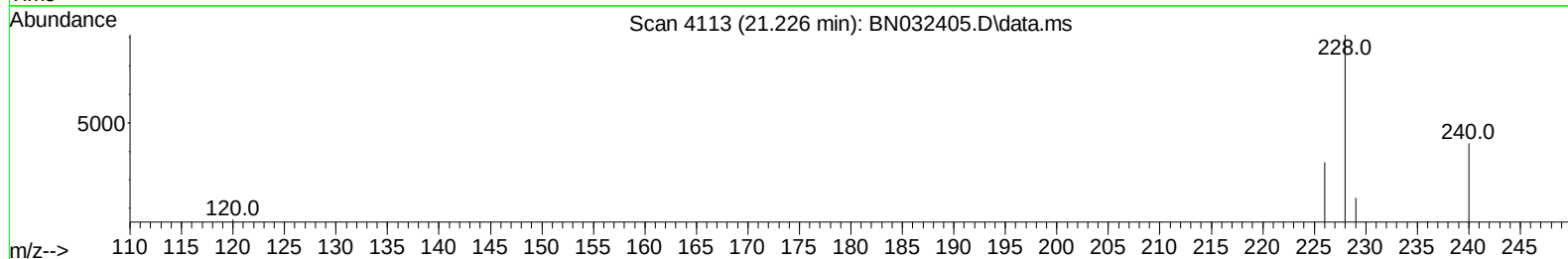
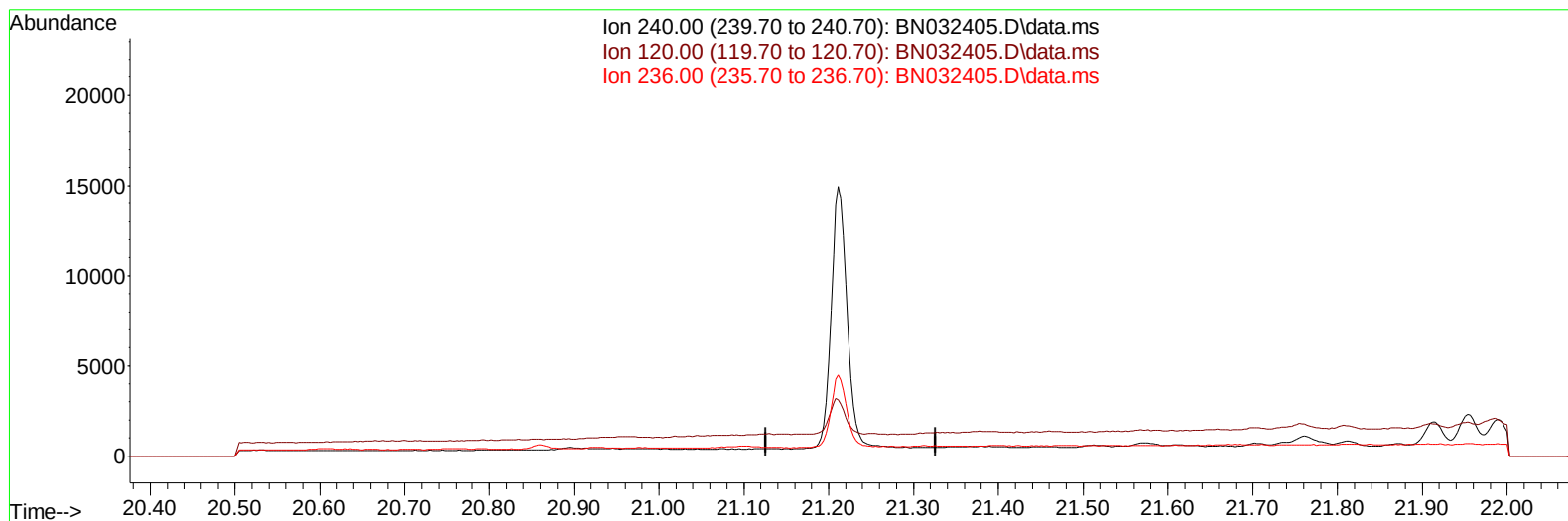
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/03/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 23:55:31 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: BN032405.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

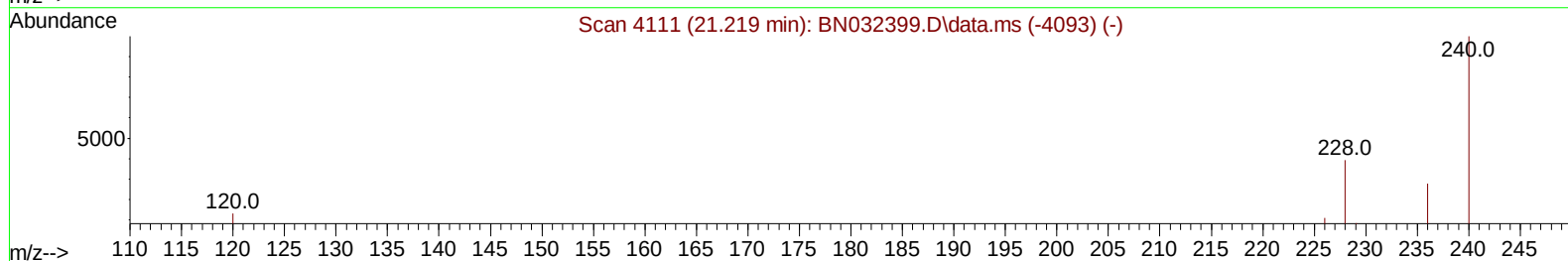
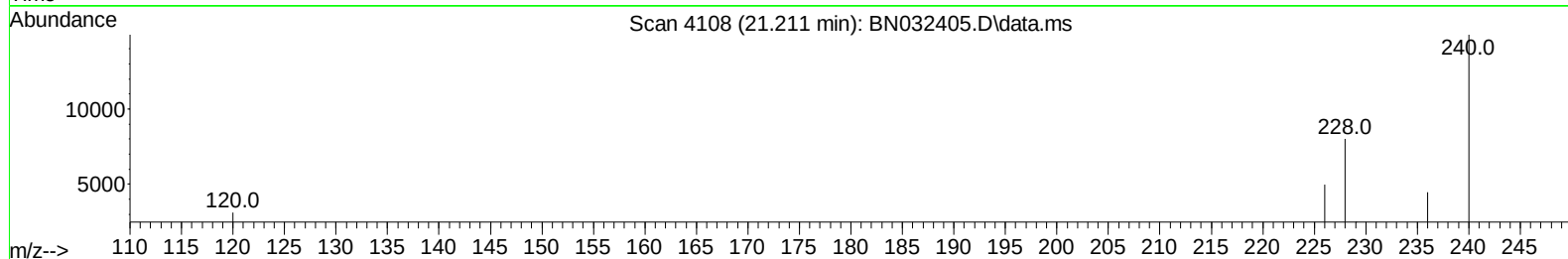
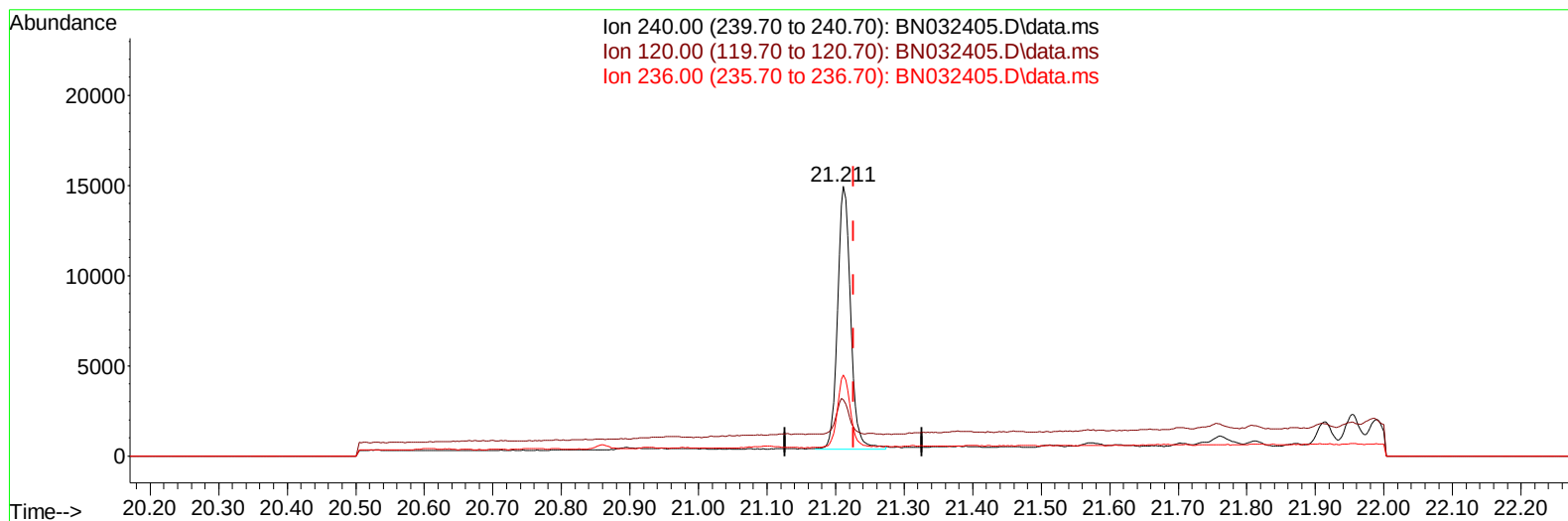
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 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 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(17) Chrysene-d12

21.211min (-0.015) 0.40 ng/ul m

response 19209

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	20.94#
236.00	28.40	29.97
0.00	0.00	0.00

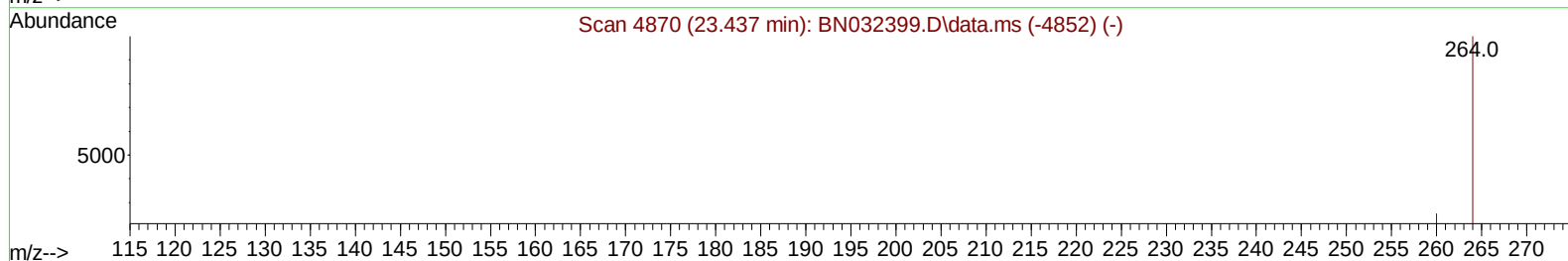
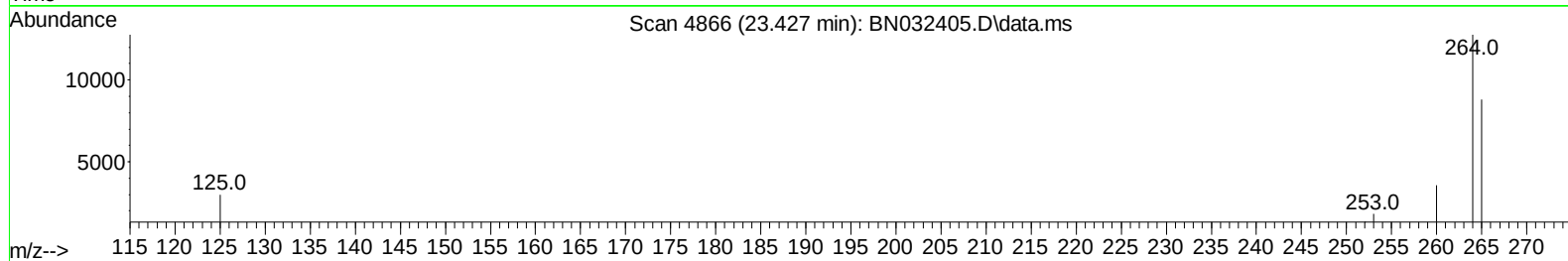
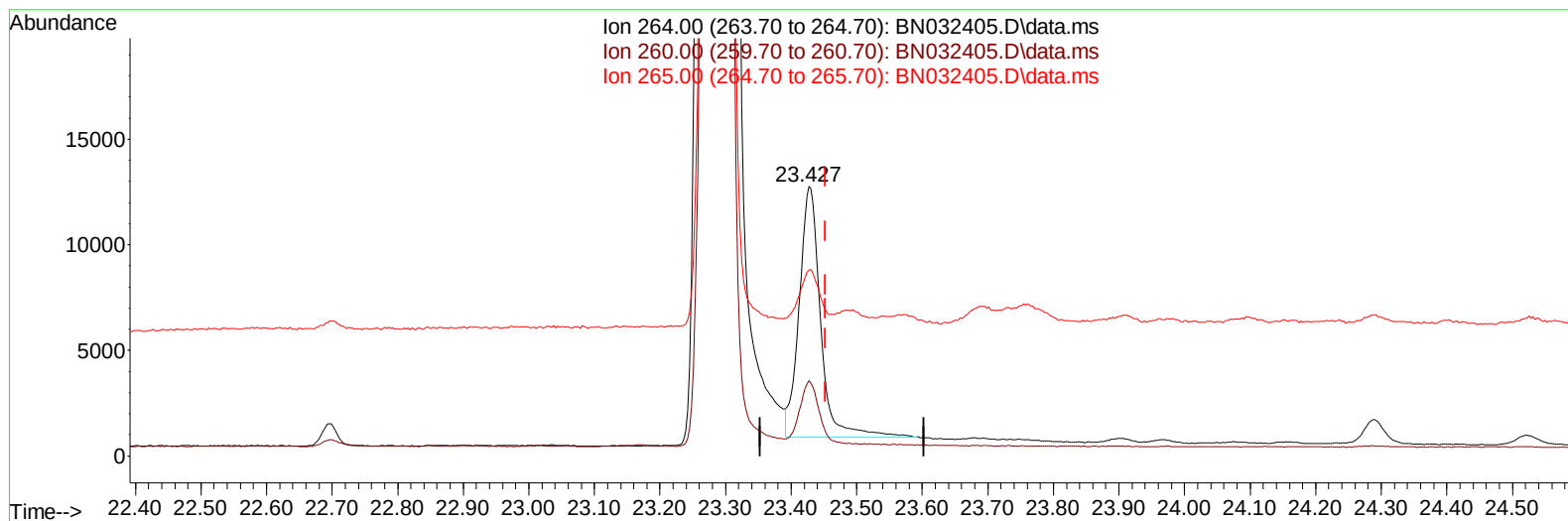
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 2024
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(23) Perylene-d12 (I)

23.427min (-0.026) 0.40 ng/u1

response 26548

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	28.01
265.00	67.20	69.00
0.00	0.00	0.00

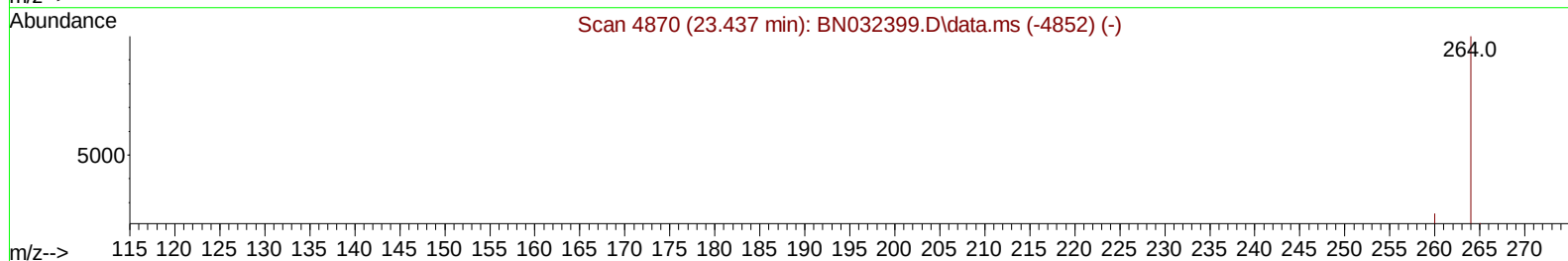
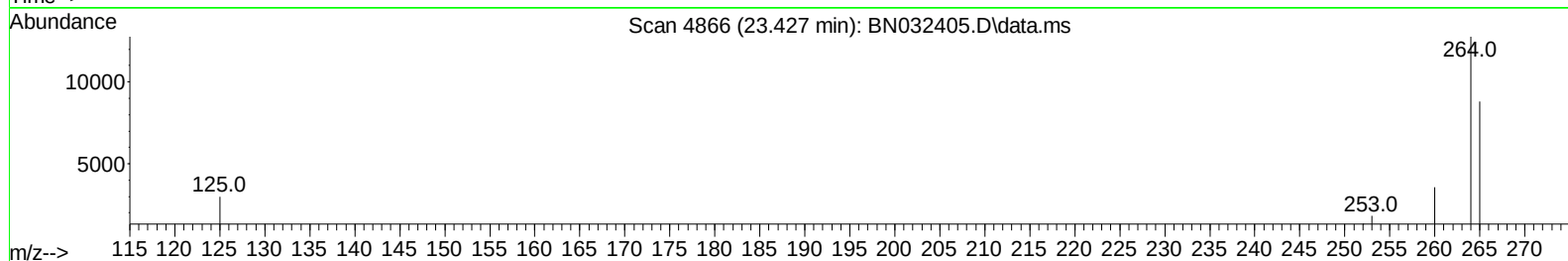
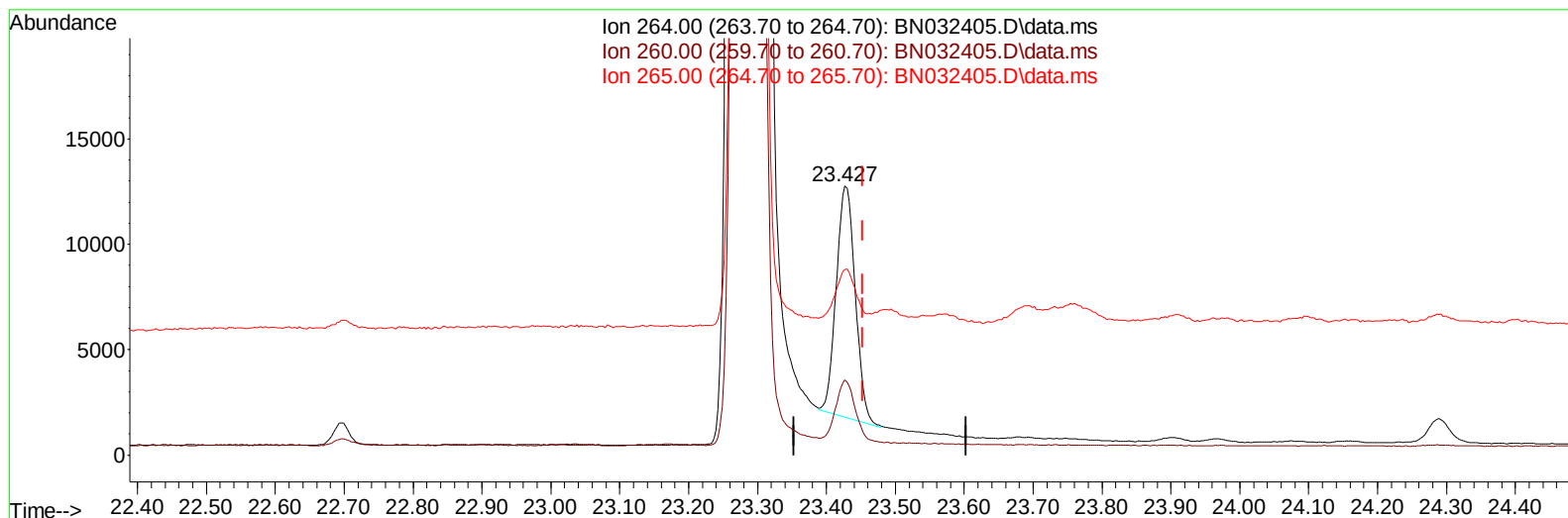
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032405.D\data.ms

(23) Perylene-d12 (I)

23.427min (-0.026) 0.40 ng/ul m

response 20950

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	28.01
265.00	67.20	69.00
0.00	0.00	0.00

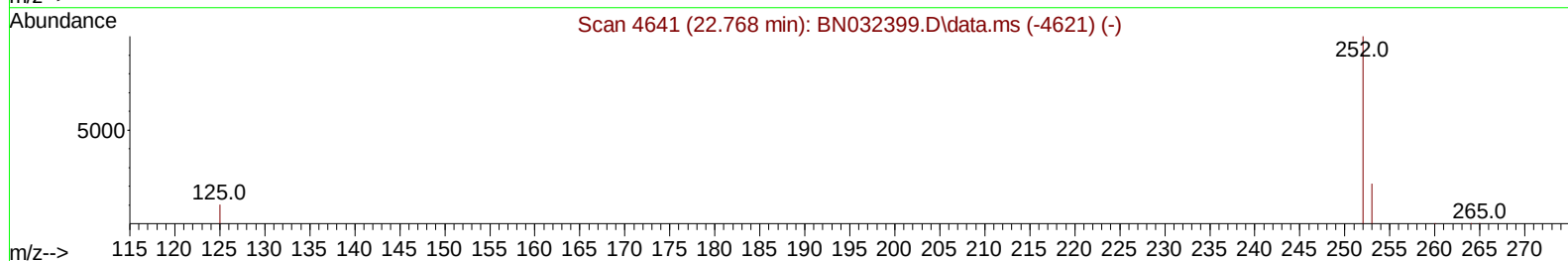
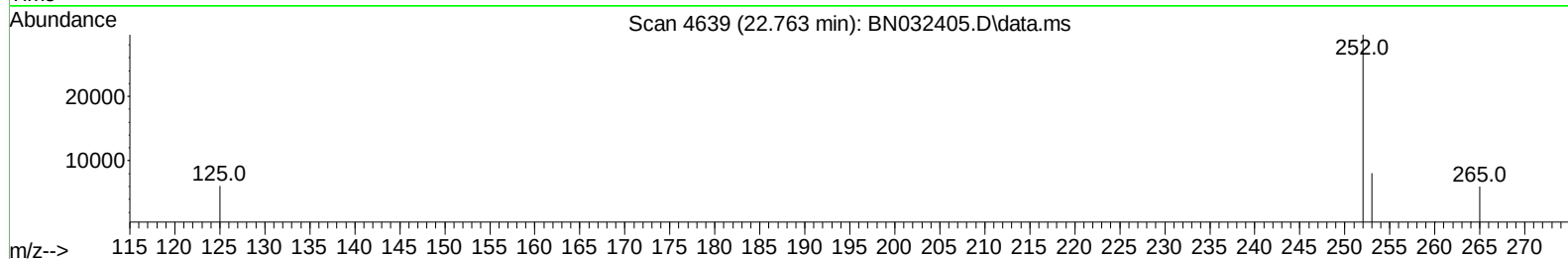
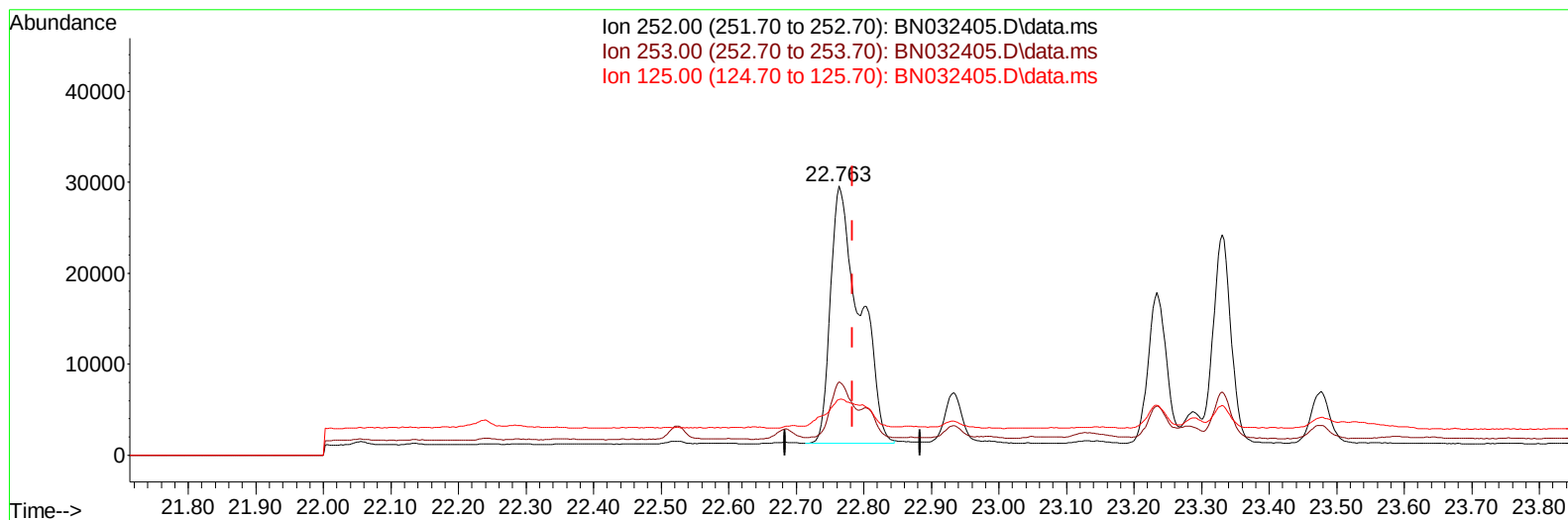
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN032405.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.021) 0.93 ng/u1

response 84639

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	27.35
125.00	16.00	20.66
0.00	0.00	0.00

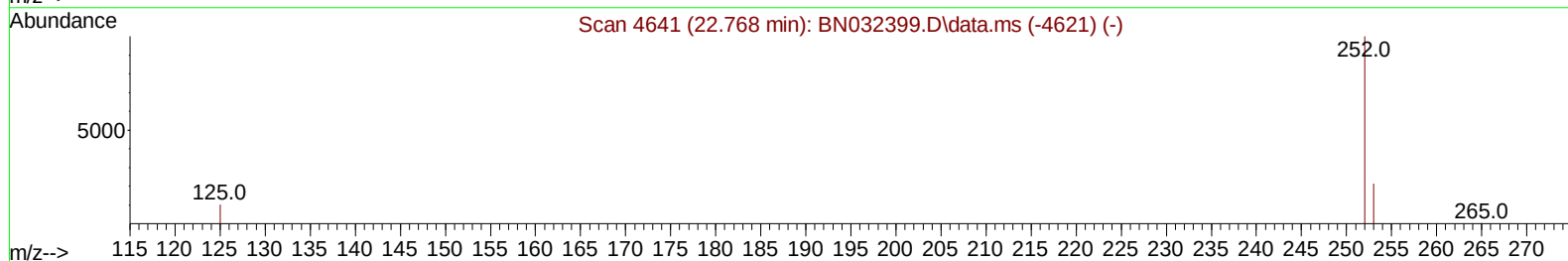
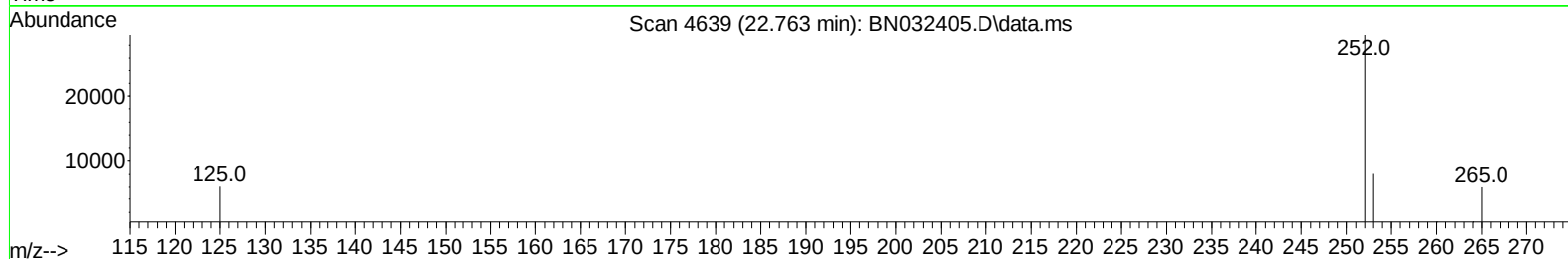
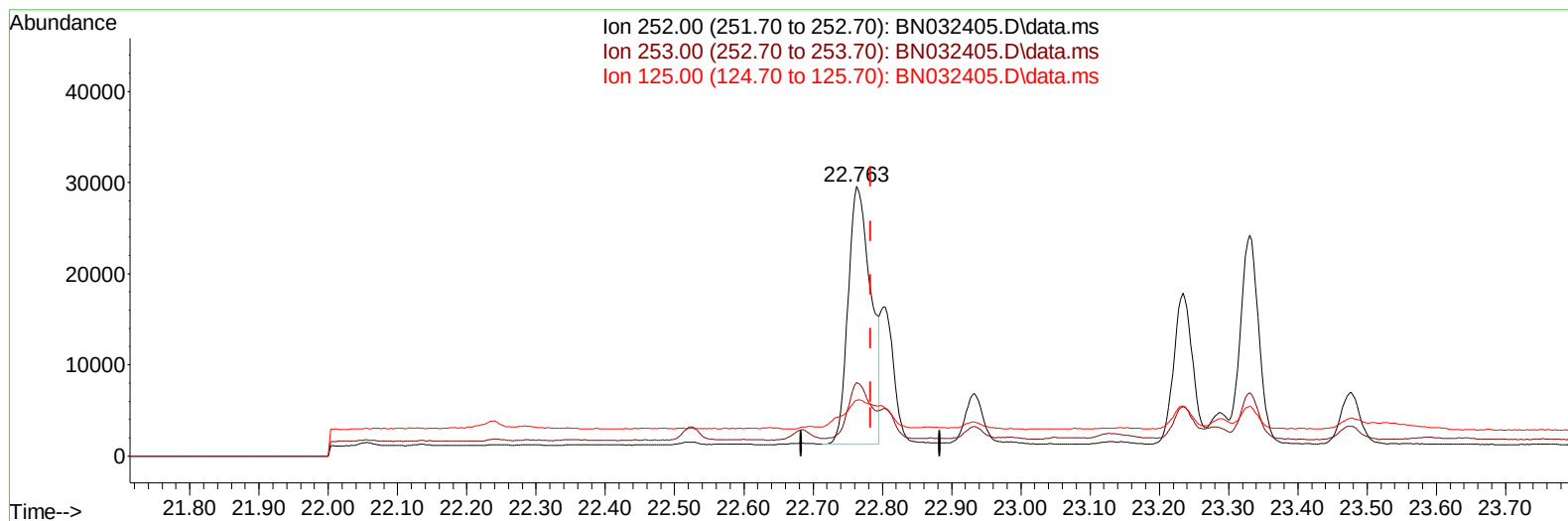
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.021) 0.71 ng/ul m

response 65010

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	27.35
125.00	16.00	20.66
0.00	0.00	0.00

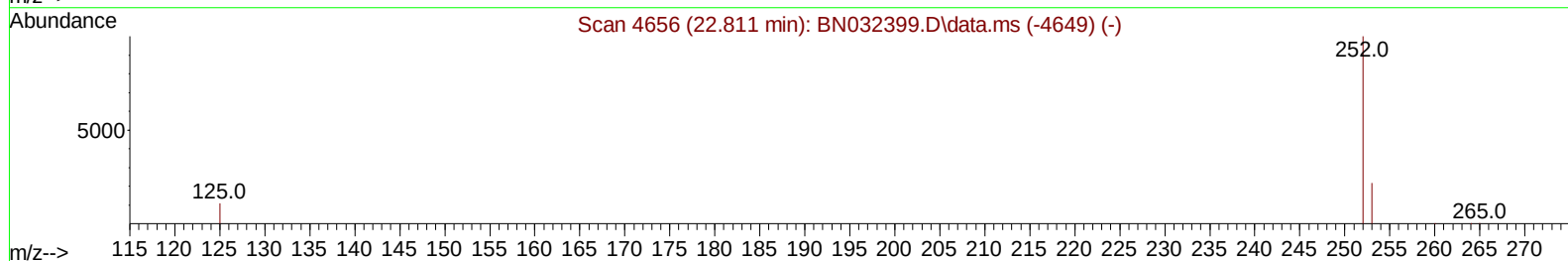
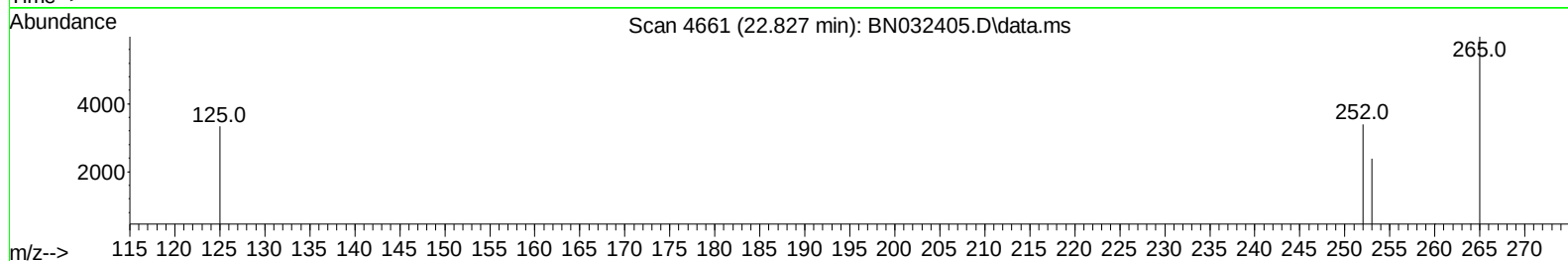
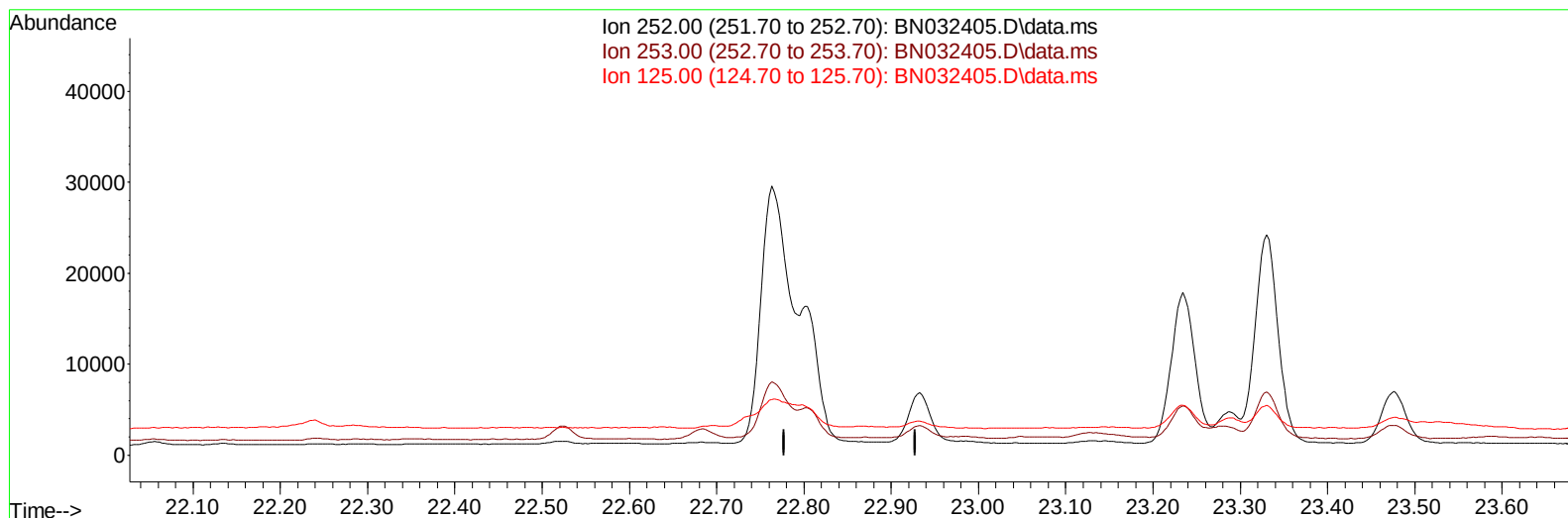
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
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Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
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A4C60

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(25) Benzo(k)fluoranthene

22.828min (-22.828) 0.00 ng/ul

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

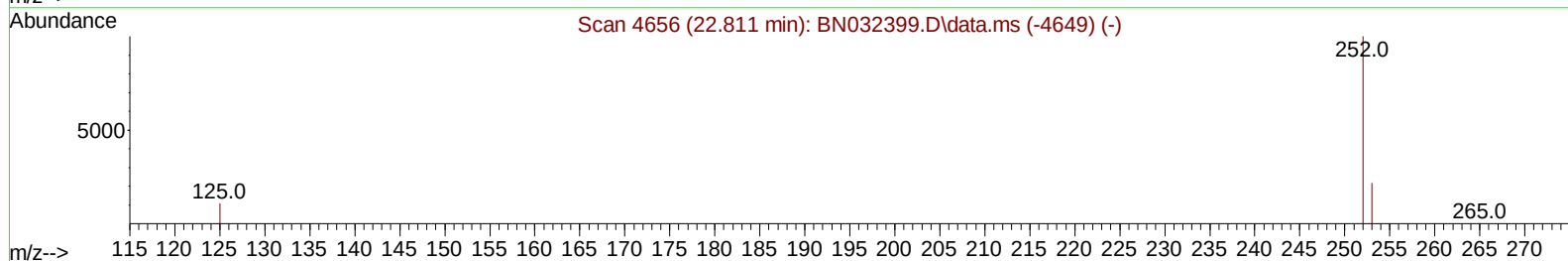
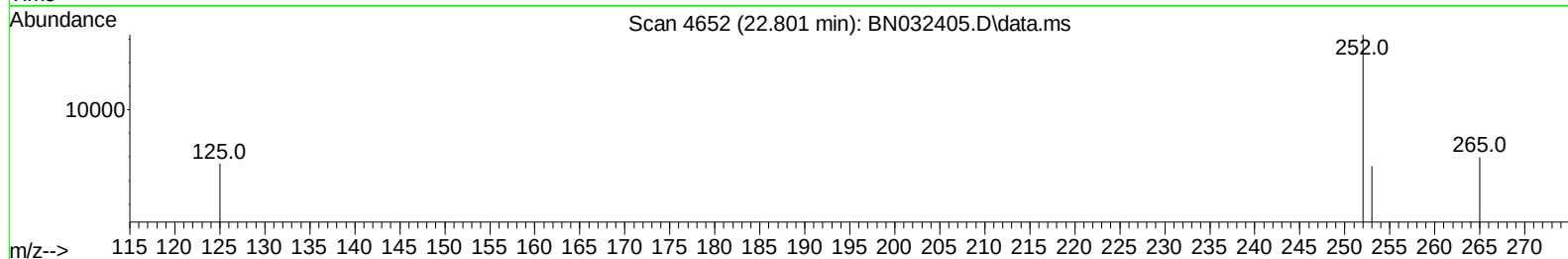
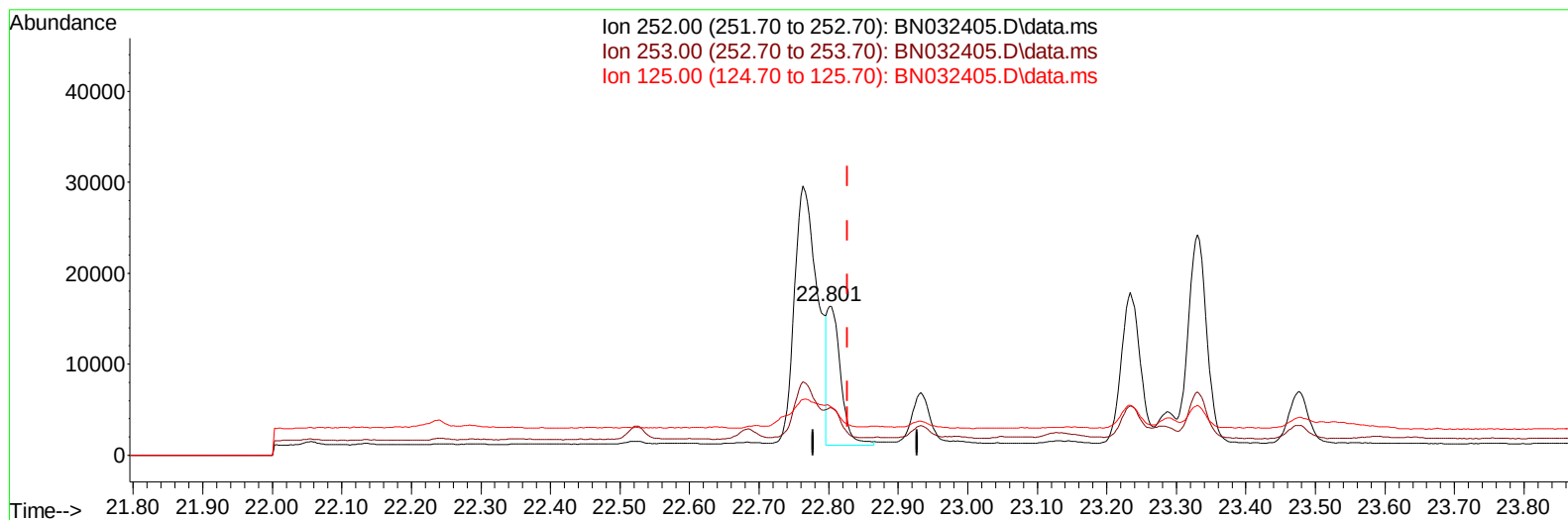
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032405.D
Acq On : 02 Jul 2024 17:48
Operator : MA/JU
Sample : P2871-10
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C60

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:31 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 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032405.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-0.026) 0.23 ng/ul m

response 20767

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	31.83#
125.00	16.00	33.15#
0.00	0.00	0.00

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.607	152		8144	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.382	136		25094	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.253	164		13825	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.008	188		23623m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.211	240		19209m	0.400	ng/ul	-0.01
23) Perylene-d12	23.427	264		20950m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.148	96		43692	4.827	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.977	152		13071	0.347	ng/ul	-0.02
18) Fluoranthene-d10	19.045	212		22740	0.393	ng/ul	-0.01
Target Compounds					Qvalue		
5) Naphthalene	10.431	128		2447	0.037	ng/ul#	86
7) 2-Methylnaphthalene	12.054	142		917	0.021	ng/ul	99
10) Acenaphthylene	13.971	152		5987	0.104	ng/ul#	92
11) Acenaphthene	14.313	153		1606	0.036	ng/ul	96
12) Fluorene	15.308	166		2049	0.039	ng/ul#	97
15) Phenanthrene	17.050	178		32170m	0.497	ng/ul	
16) Anthracene	17.143	178		7892m	0.137	ng/ul	
19) Fluoranthene	19.073	202		73393	1.003	ng/ul	97
20) Pyrene	19.440	202		65277	0.854	ng/ul	99
21) Benzo(a)anthracene	21.197	228		40314	0.581	ng/ul	93
22) Chrysene	21.247	228		40634	0.534	ng/ul	94
24) Benzo(b)fluoranthene	22.763	252		65010m	0.714	ng/ul	
25) Benzo(k)fluoranthene	22.801	252		20767m	0.235	ng/ul	
26) Benzo(a)pyrene	23.330	252		42139	0.665	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.663	276		33106	0.334	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.663	278		8002	0.109	ng/ul#	38
29) Benzo(g,h,i)perylene	26.351	276		32892	0.416	ng/ul	91

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

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