

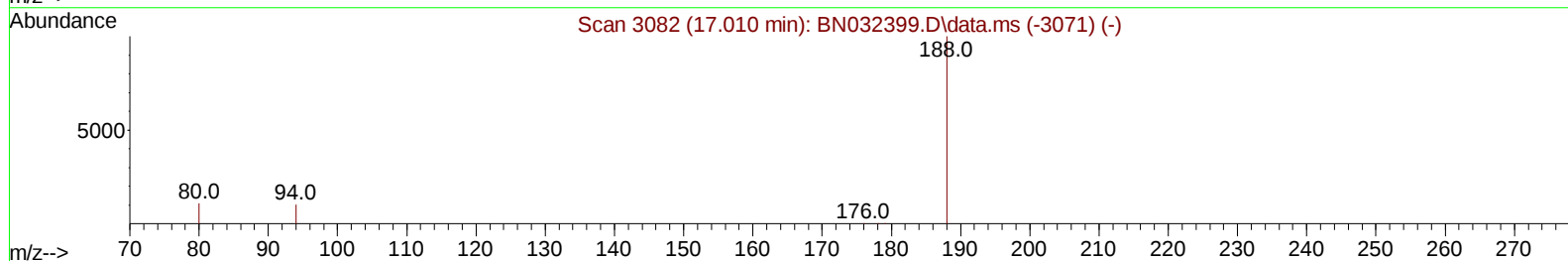
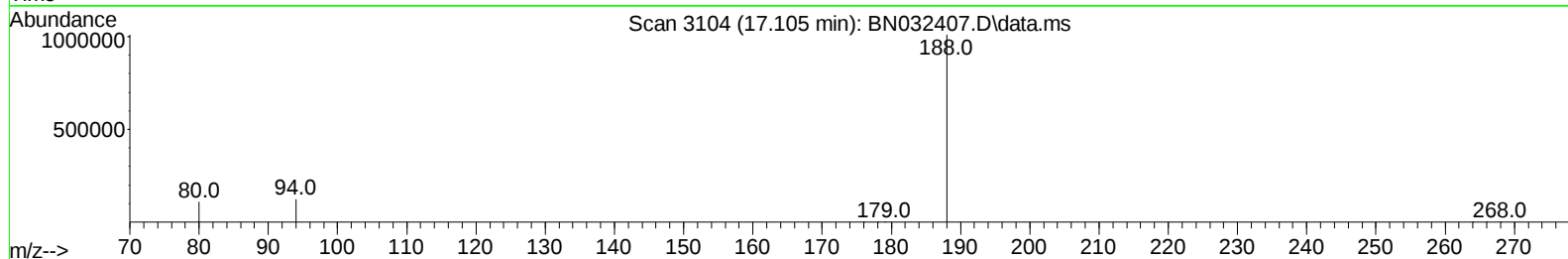
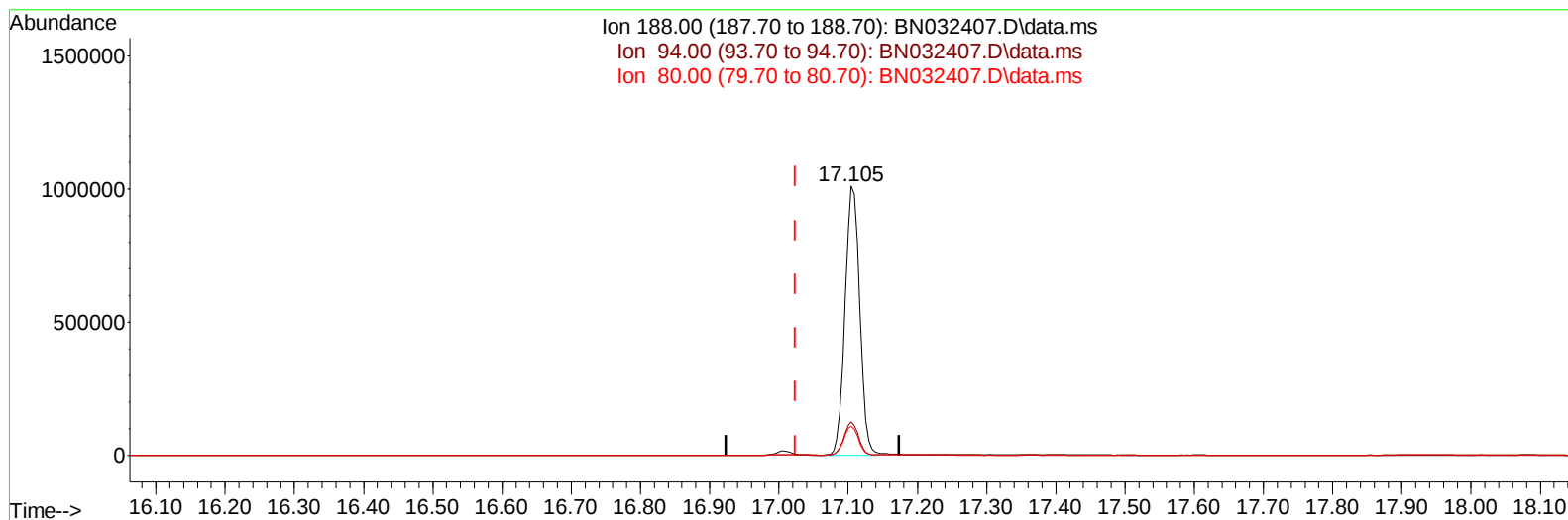
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(13) Phenanthrene-d10 (I)

17.105min (+ 0.080) 0.40 ng/u1

response 1491424

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.29#
80.00	10.50	10.81
0.00	0.00	0.00

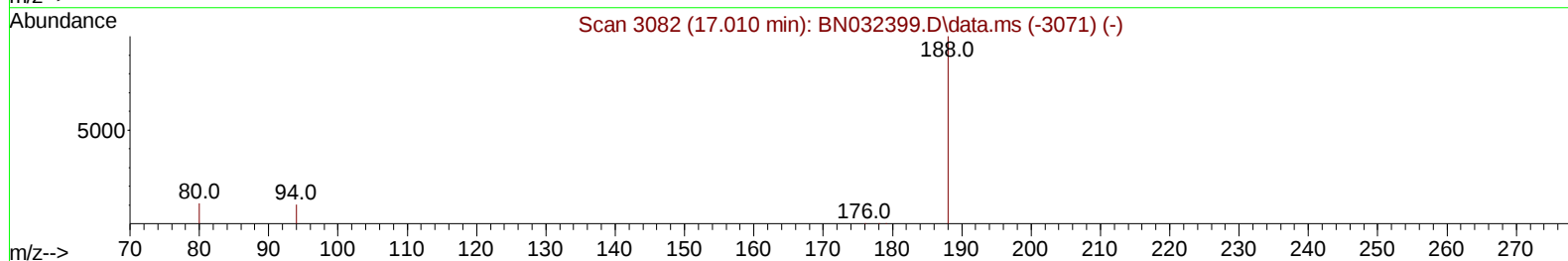
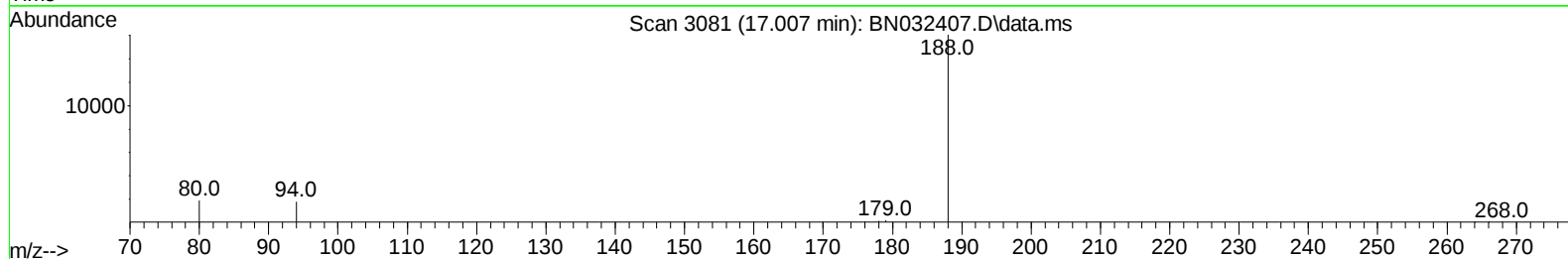
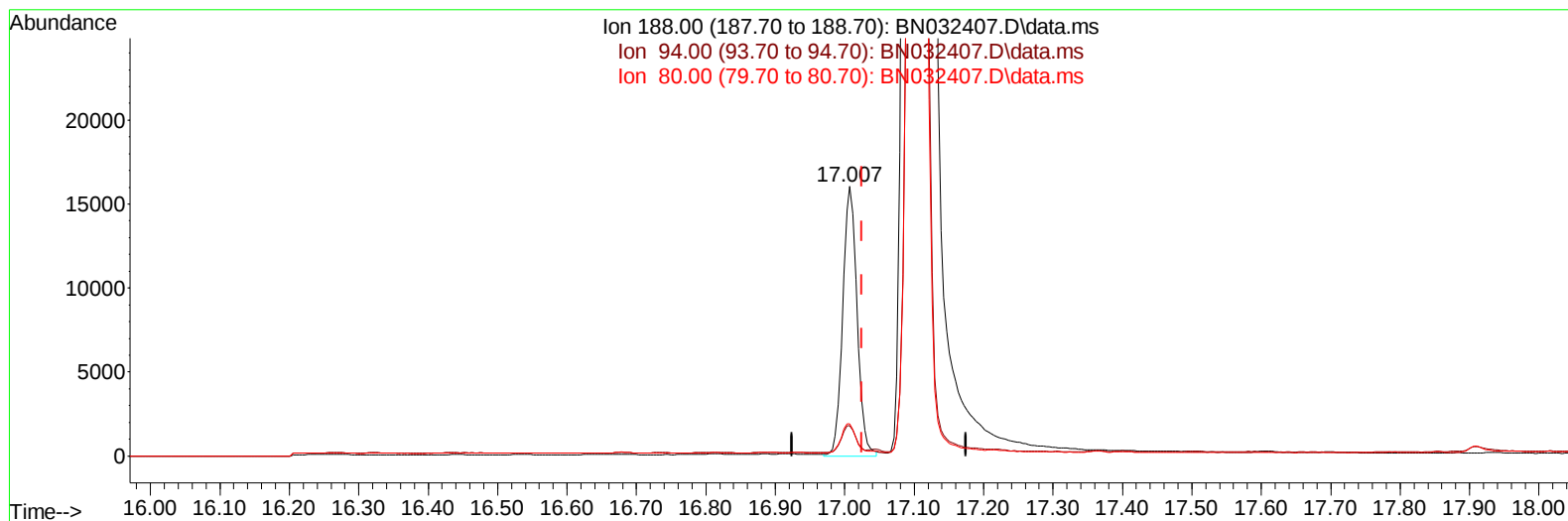
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032407.D
 Acq On : 02 Jul 2024 19:00
 Operator : MA/JU
 Sample : P2871-17
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(13) Phenanthrene-d10 (I)

17.007min (-0.017) 0.40 ng/ul m

response 22986

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.27
80.00	10.50	11.95
0.00	0.00	0.00

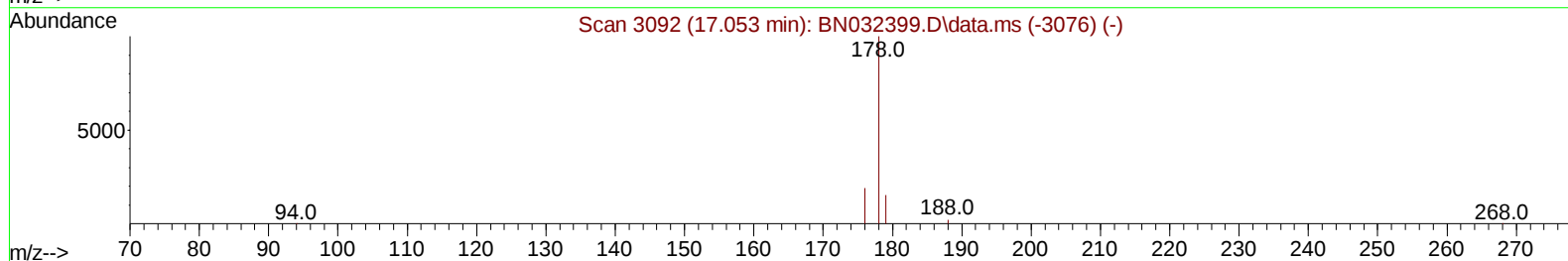
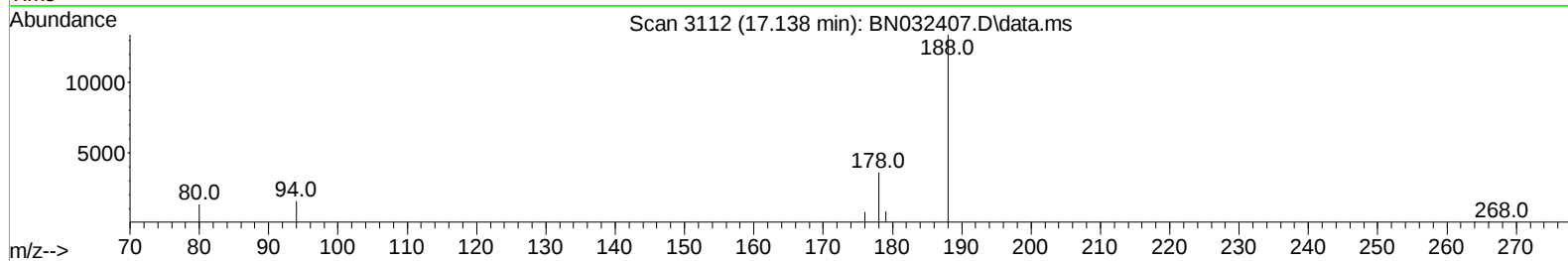
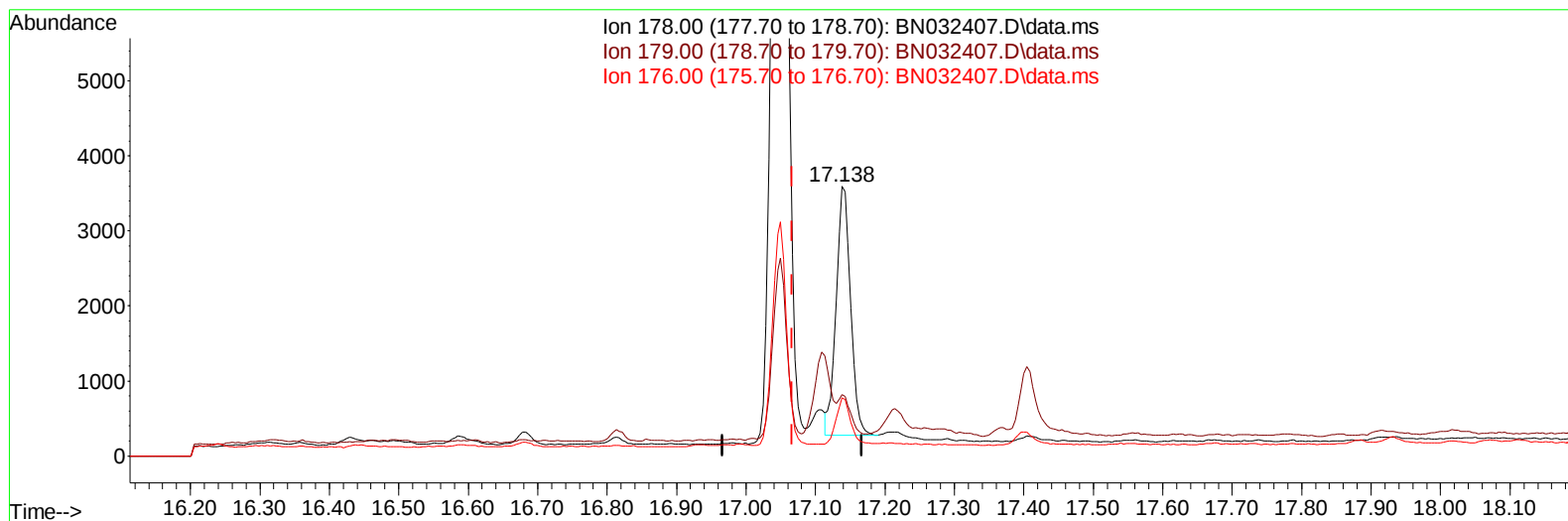
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(15) Phenanthrene

17.138min (+ 0.072) 0.08 ng/u1

response 4822

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	22.82#
176.00	19.50	21.63
0.00	0.00	0.00

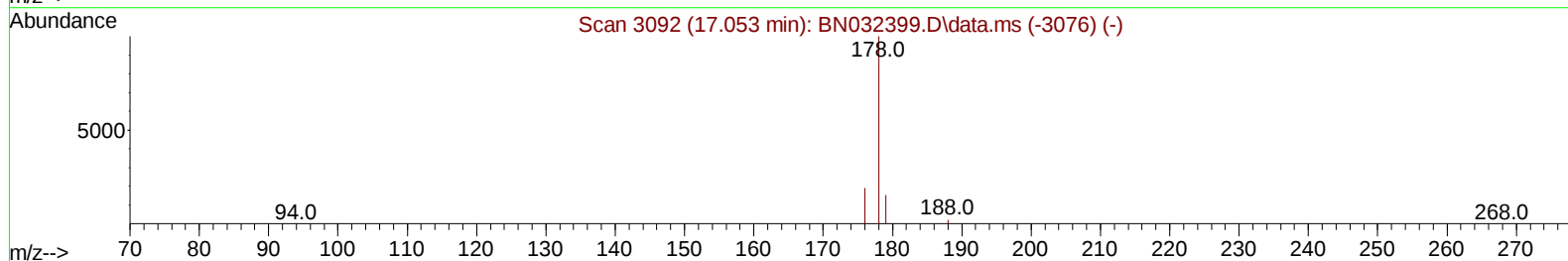
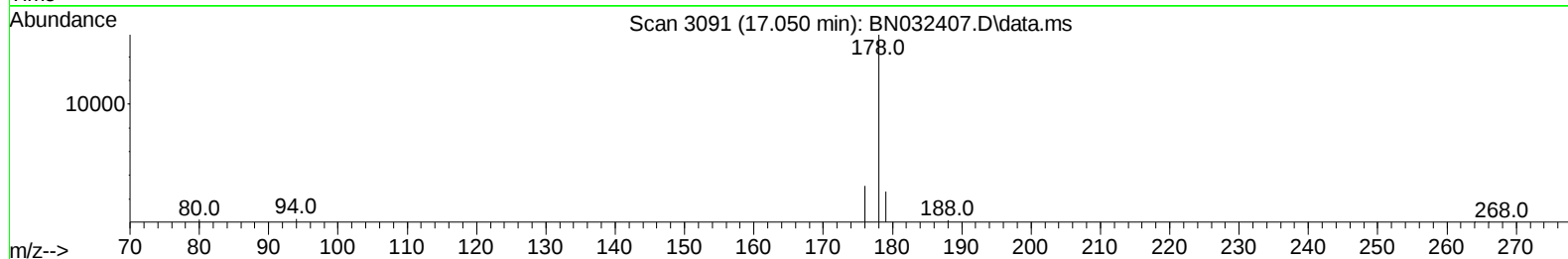
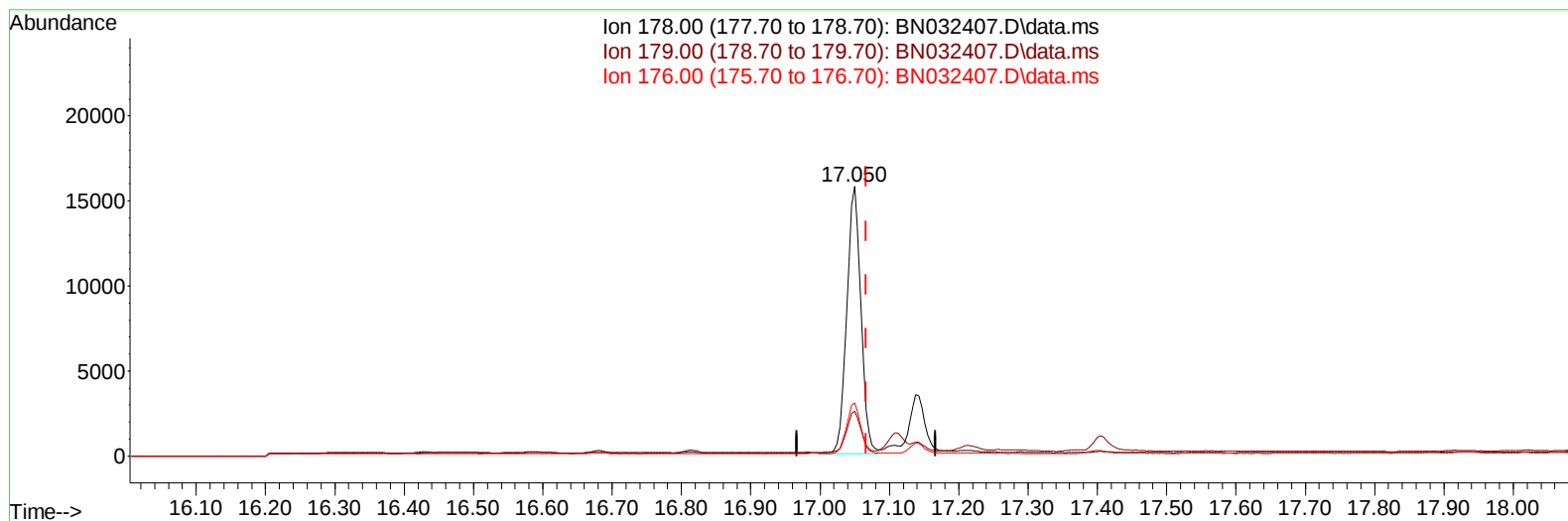
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(15) Phenanthrene

17.050min (-0.017) 0.35 ng/ul m

response 22247

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.64
176.00	19.50	19.68
0.00	0.00	0.00

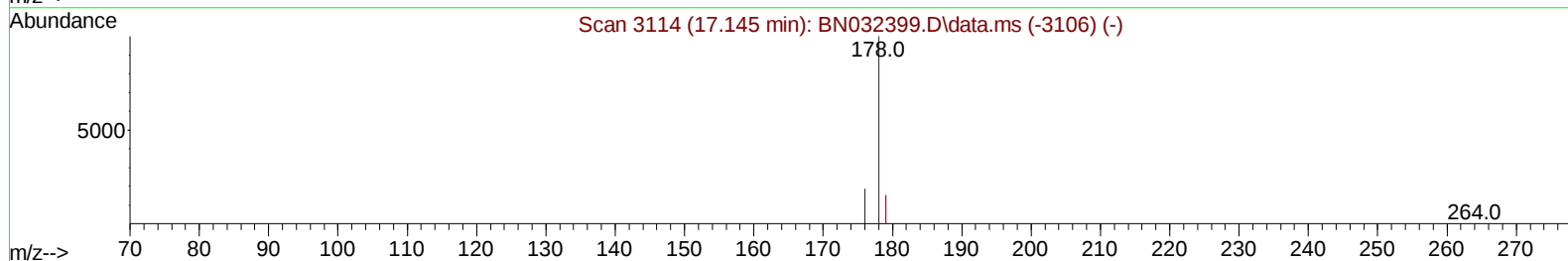
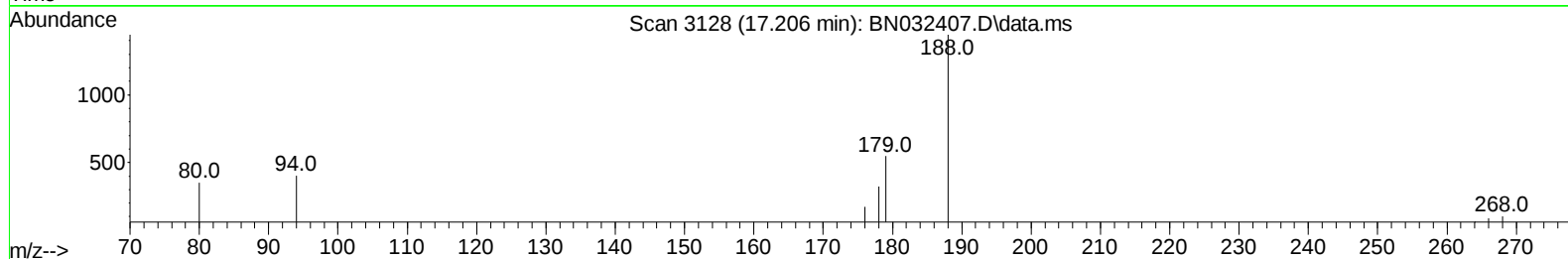
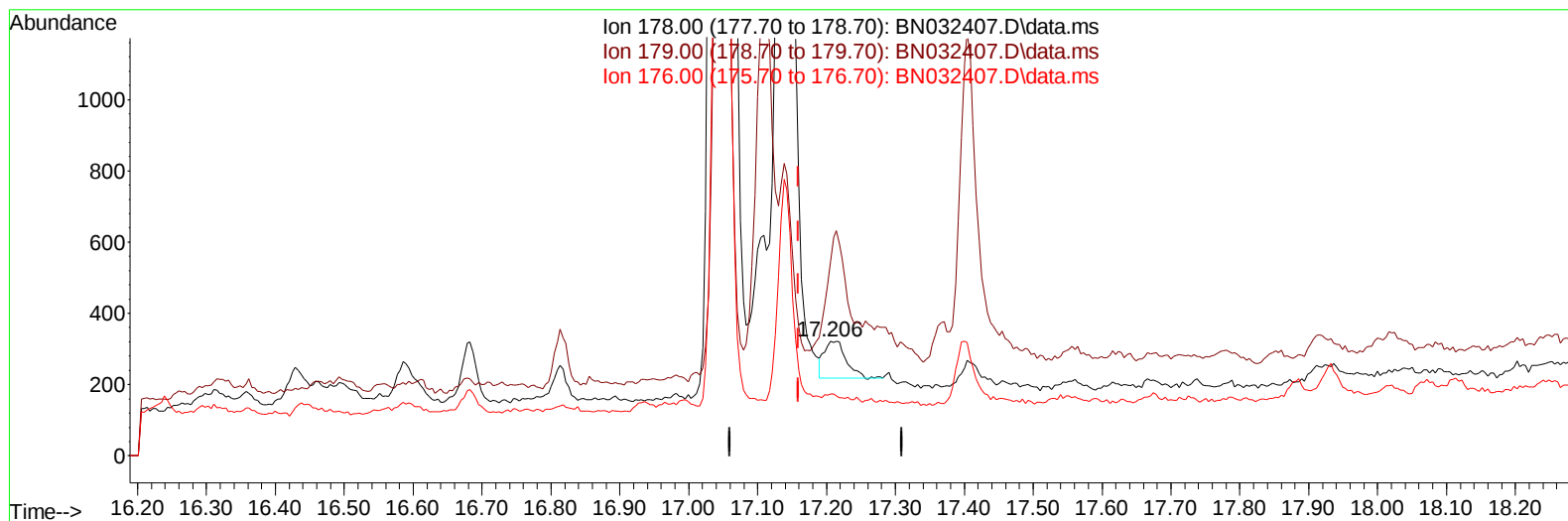
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(16) Anthracene

17.206min (+ 0.046) 0.00 ng/u1

response 226

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	170.09#
176.00	18.80	54.21#
0.00	0.00	0.00

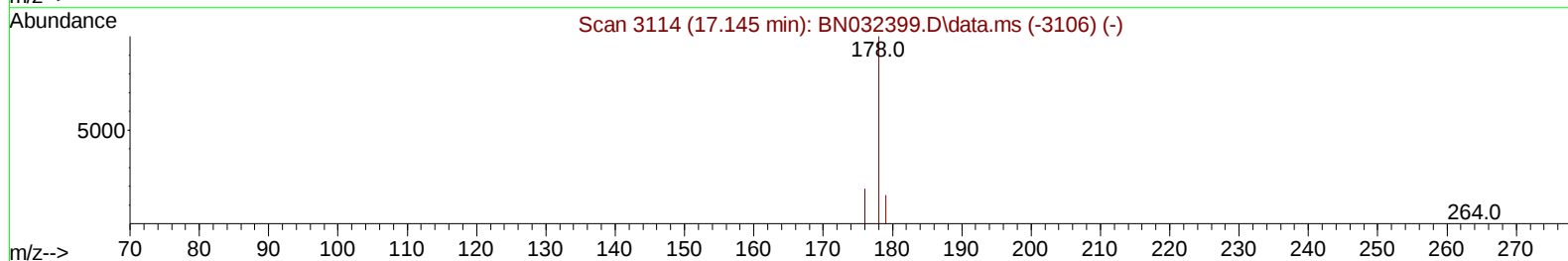
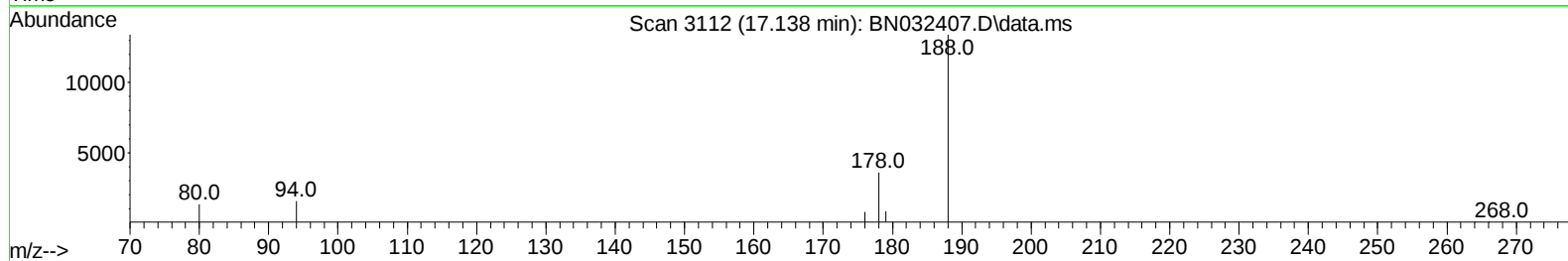
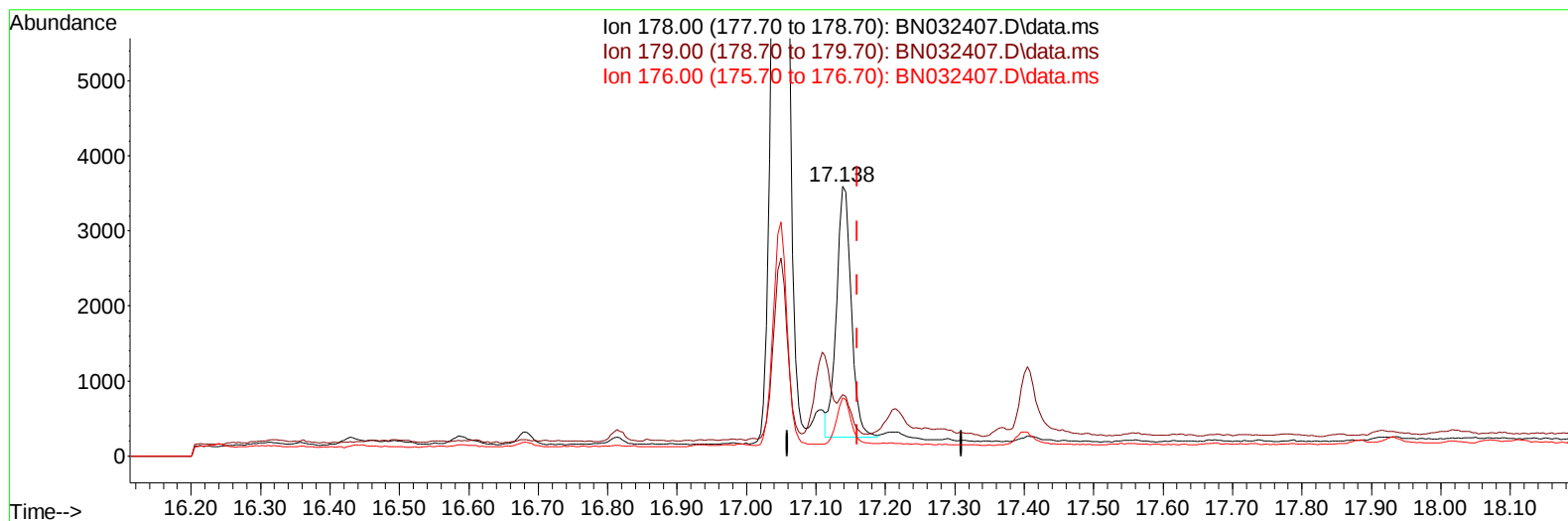
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(16) Anthracene

17.138min (-0.021) 0.09 ng/u1 m

response 4908

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	22.82#
176.00	18.80	21.63
0.00	0.00	0.00

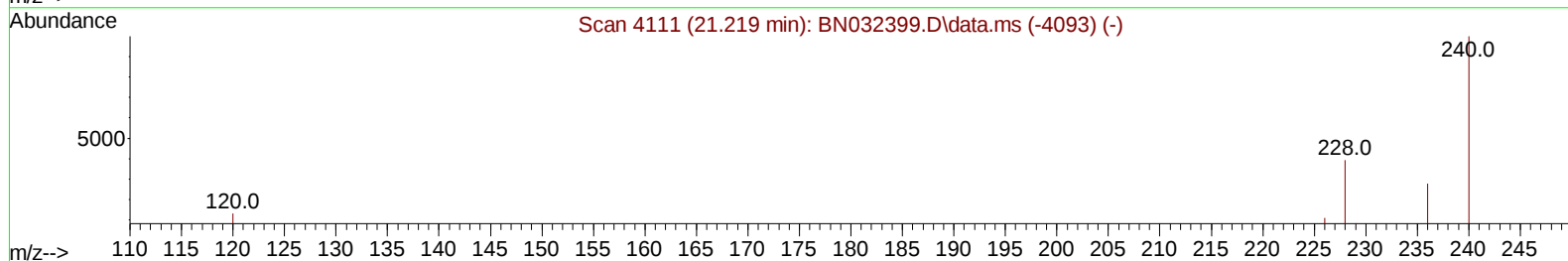
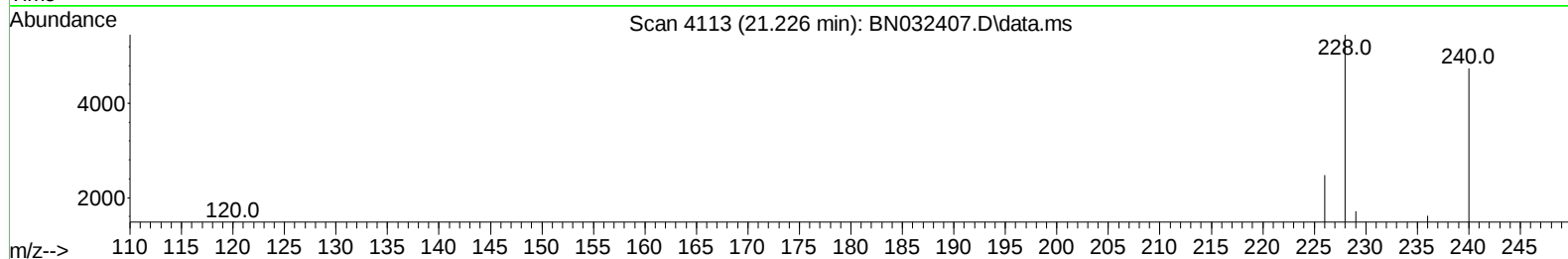
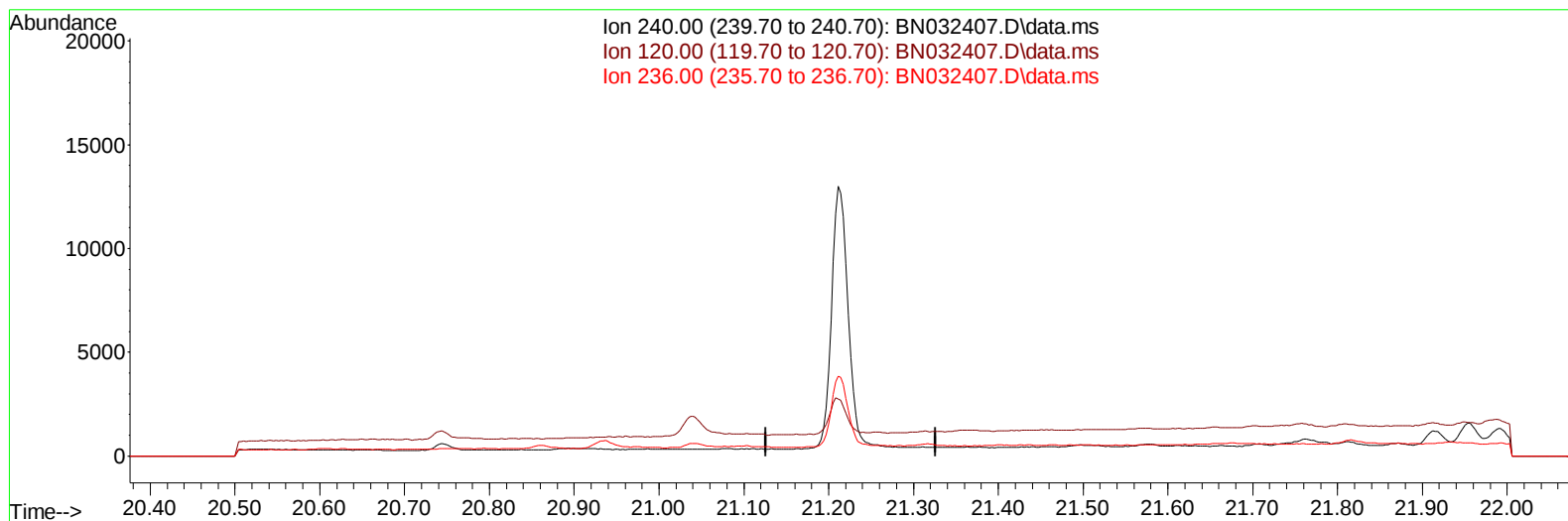
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.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

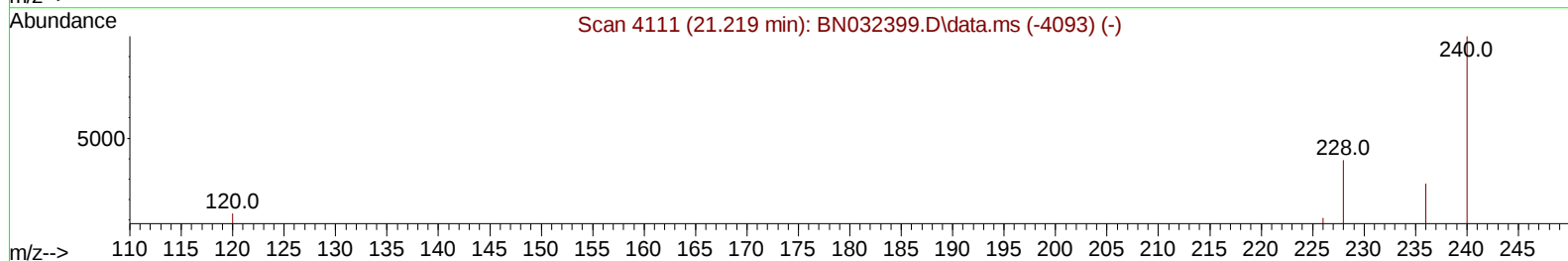
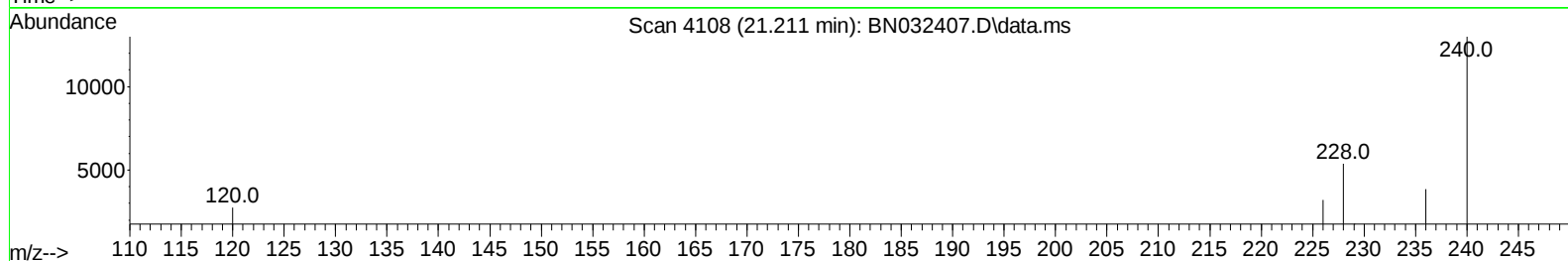
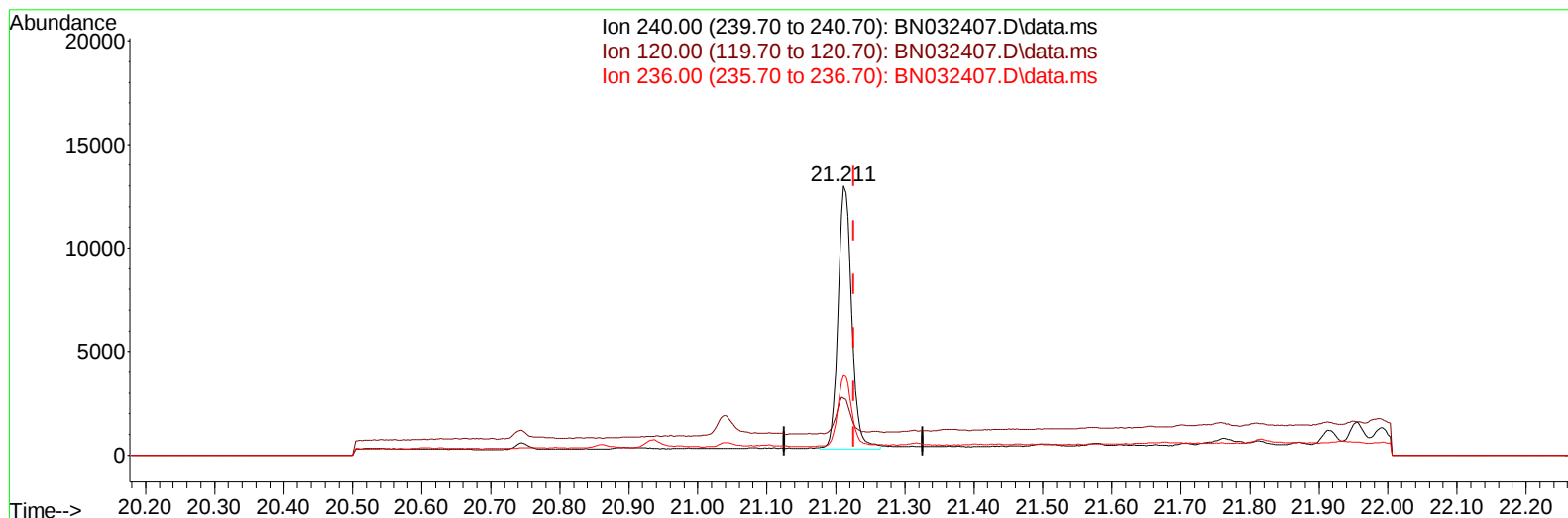
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(17) Chrysene-d12

21.211min (-0.015) 0.40 ng/u1 m

response 17487

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	21.23#
236.00	28.40	29.69
0.00	0.00	0.00

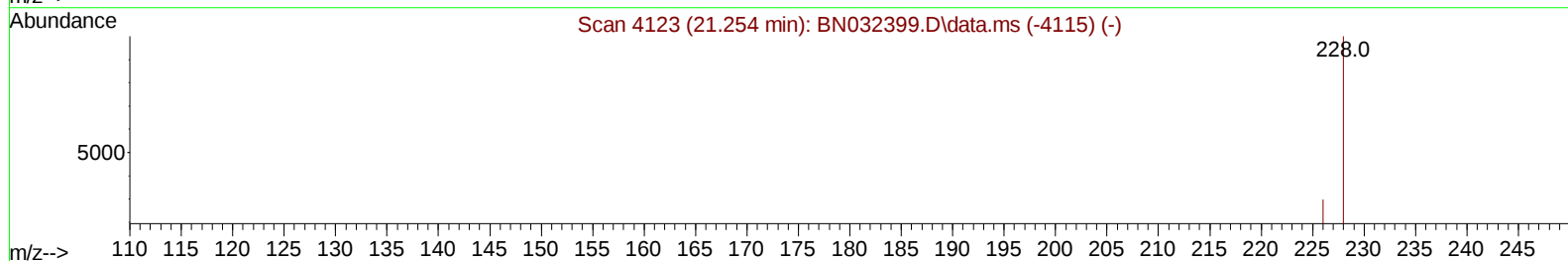
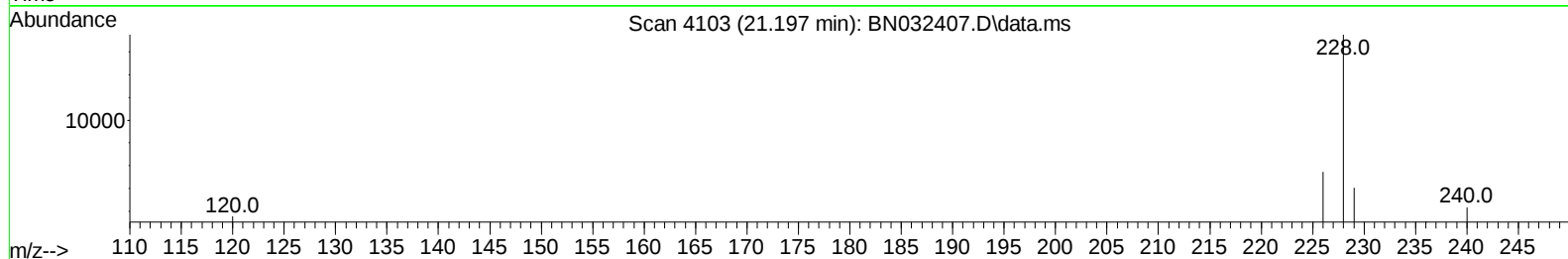
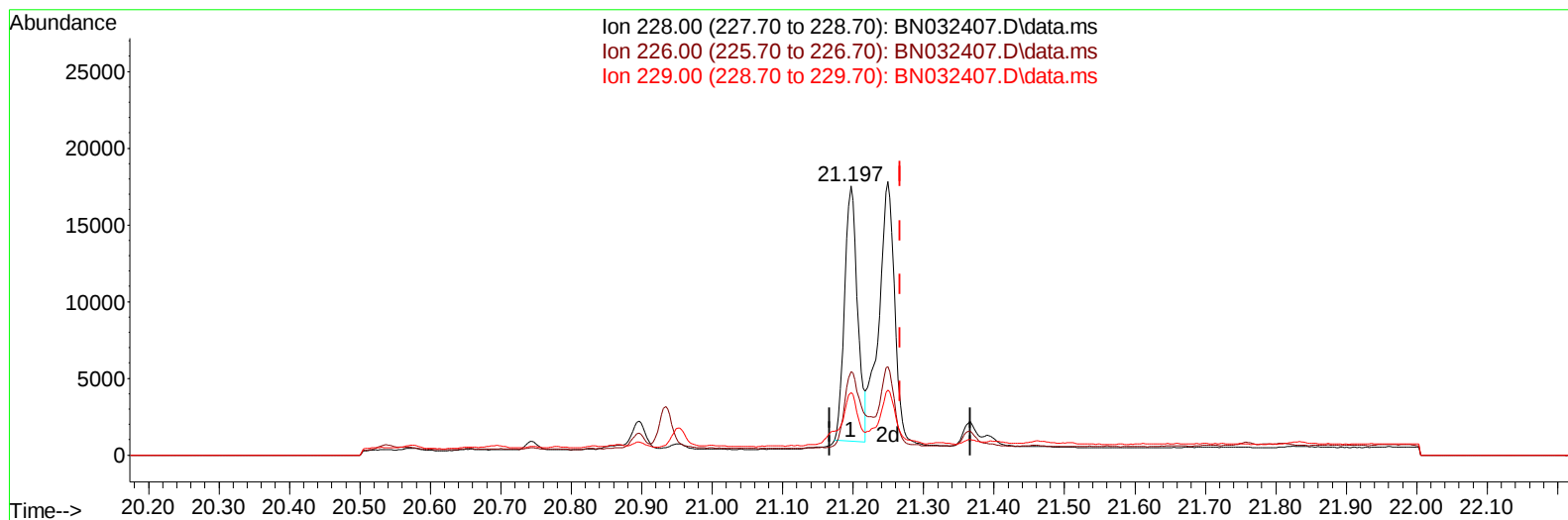
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(22) Chrysene

21.197min (-0.070) 0.31 ng/u1

response 21450

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	31.09
229.00	19.60	23.13
0.00	0.00	0.00

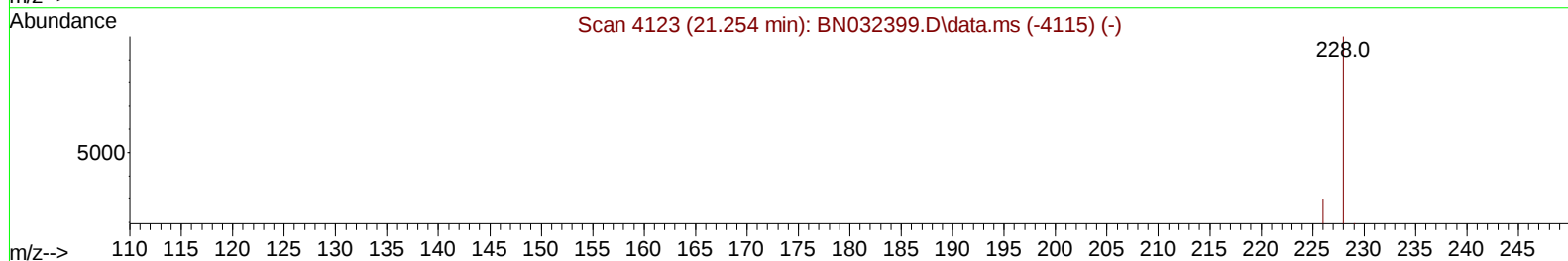
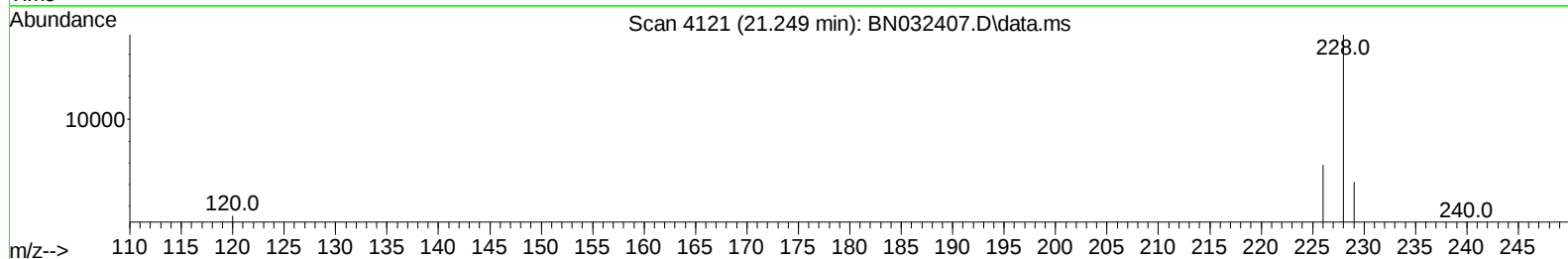
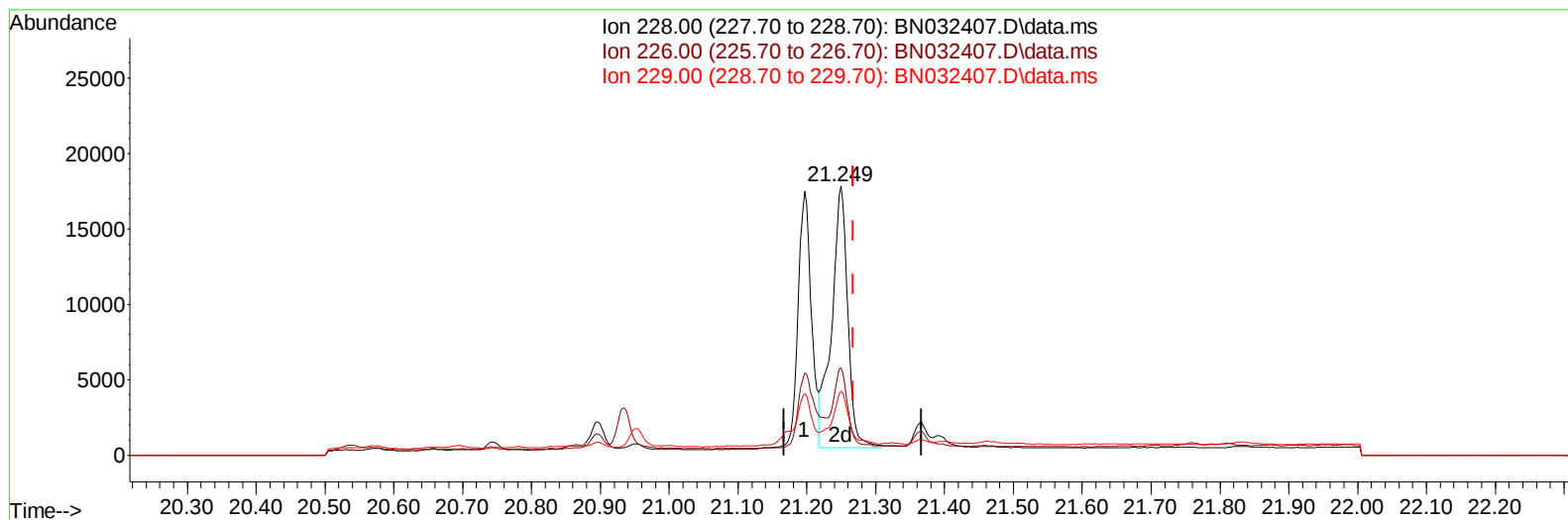
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

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

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(22) Chrysene

21.249min (-0.018) 0.41 ng/ul m

response 28323

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	32.42
229.00	19.60	23.80#
0.00	0.00	0.00

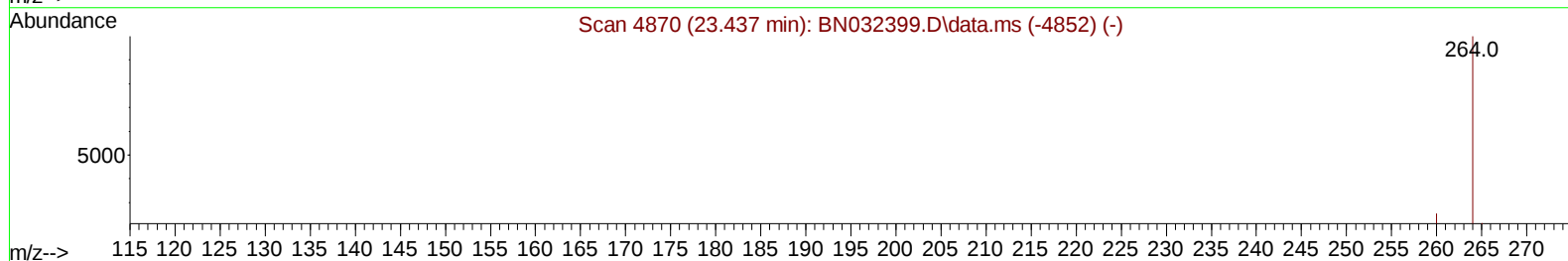
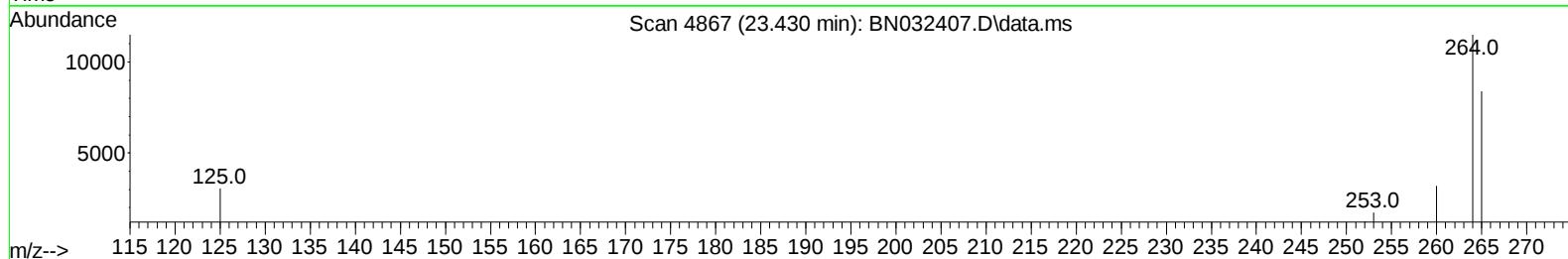
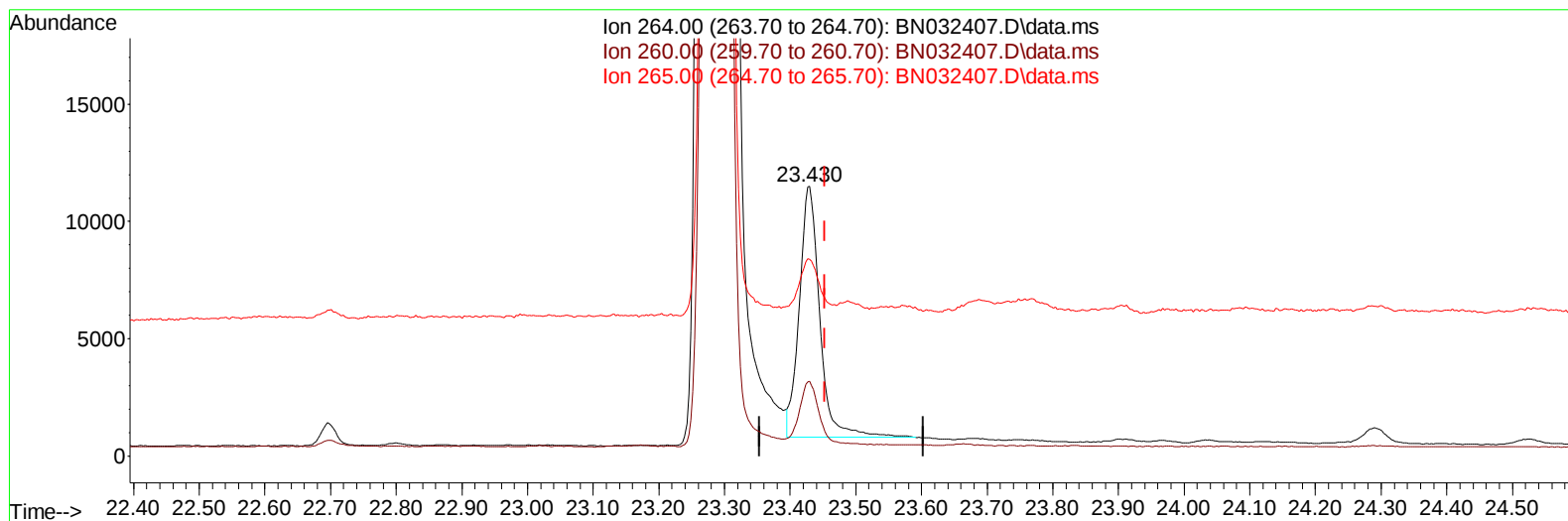
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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 :Yogesh Patel 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032407.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.024) 0.40 ng/u1

response 23386

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.71
265.00	67.20	73.07
0.00	0.00	0.00

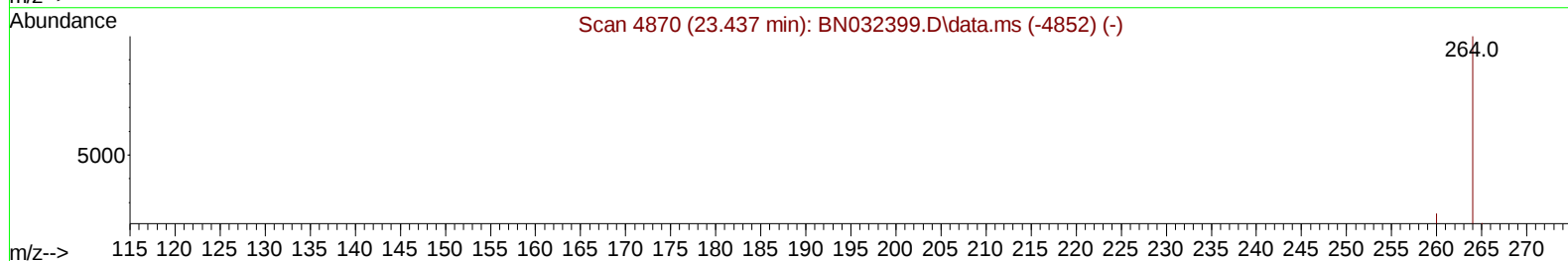
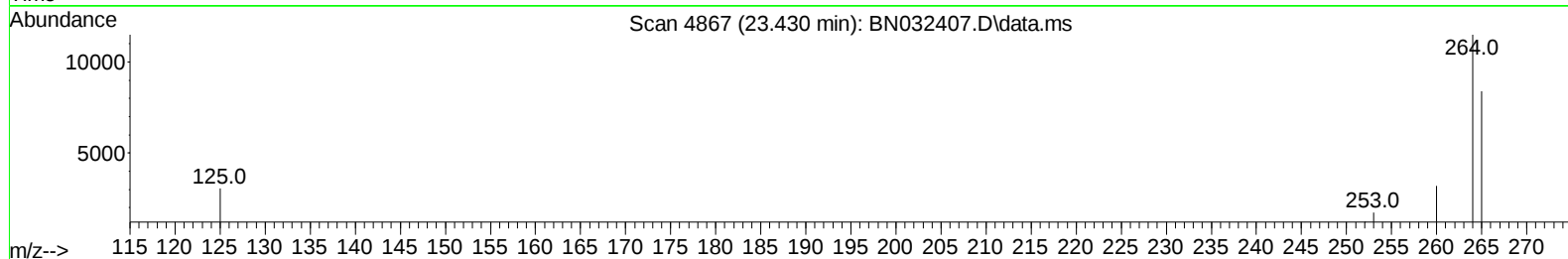
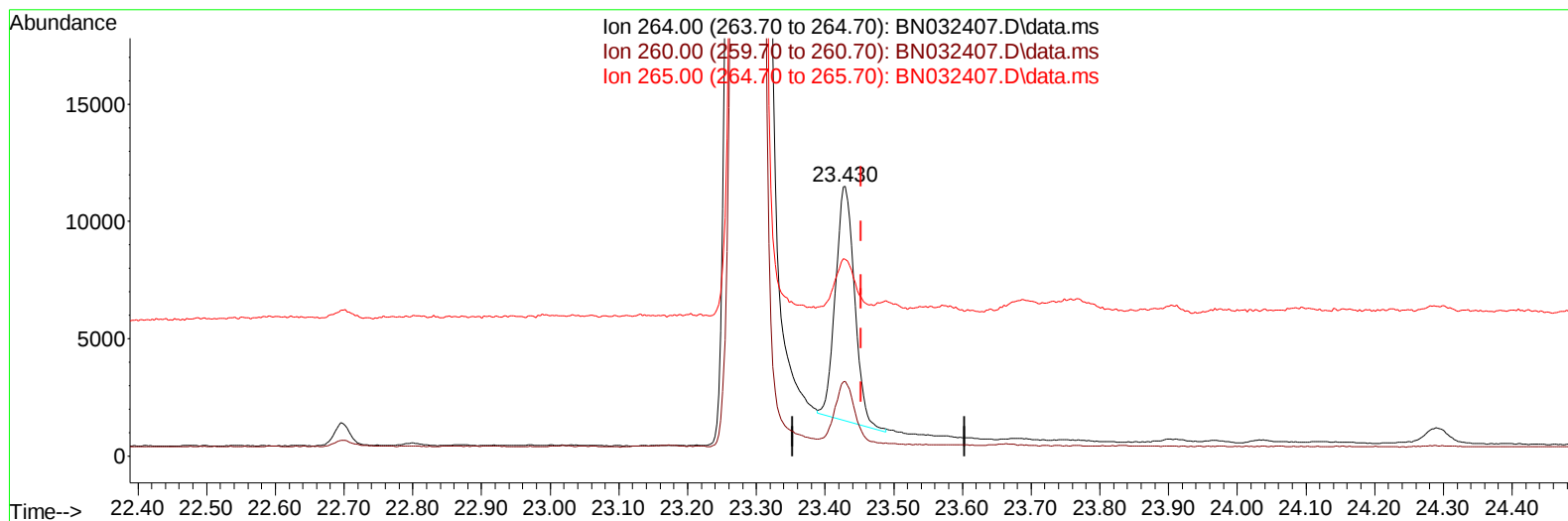
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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 :Yogesh Patel 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032407.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.024) 0.40 ng/ul m

response 19278

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.71
265.00	67.20	73.07
0.00	0.00	0.00

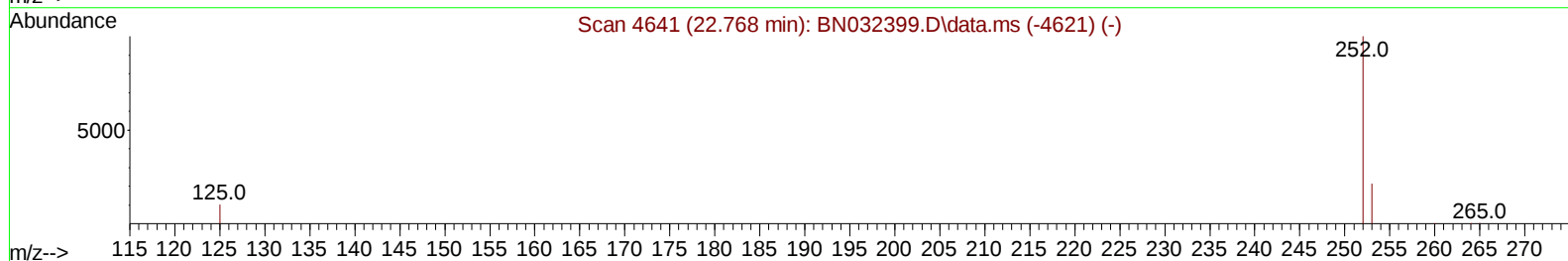
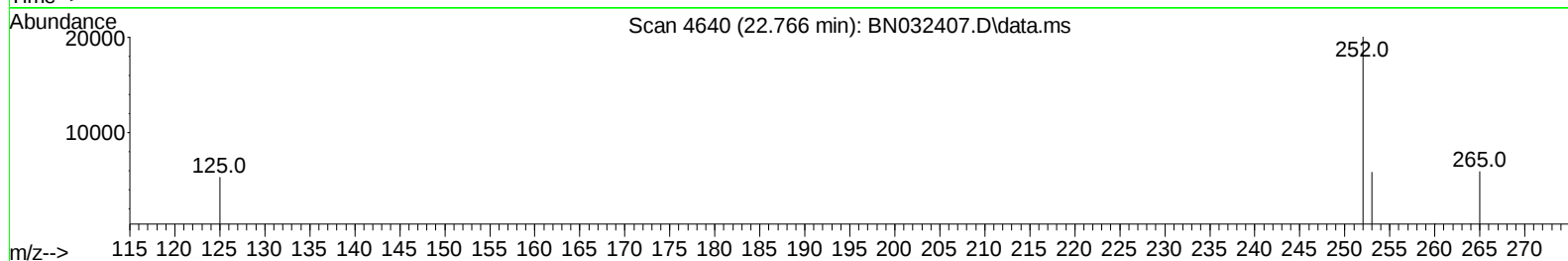
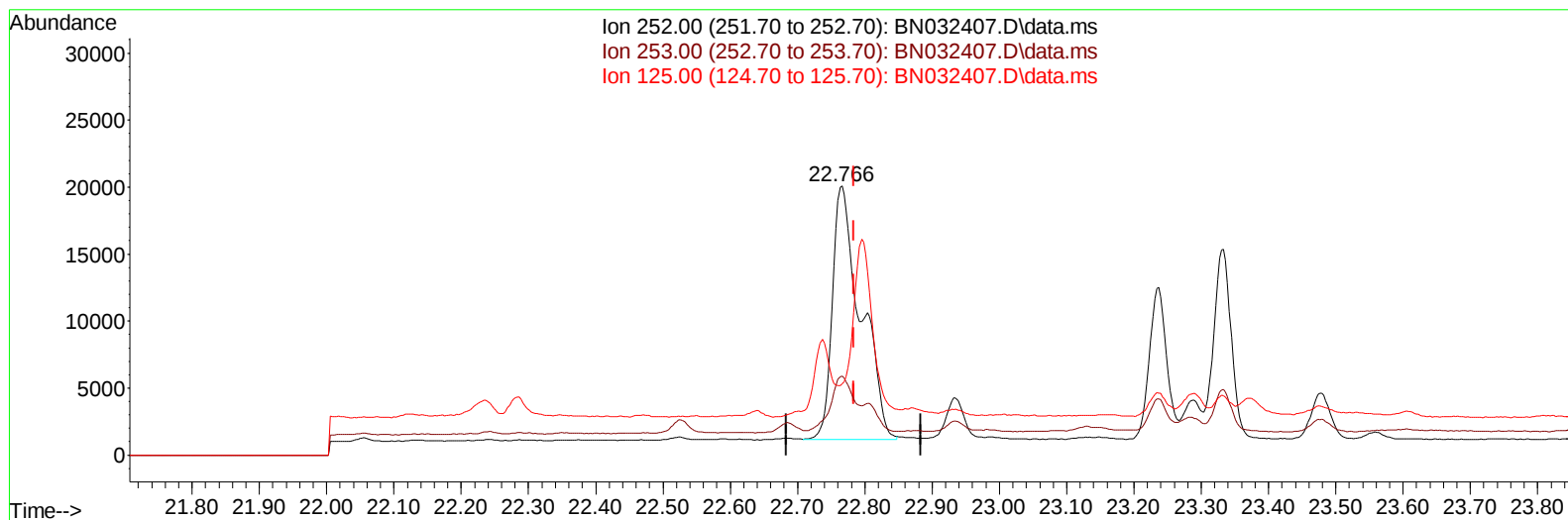
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Reviewed By :Yogesh Patel 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032407.D\data.ms

(24) Benzo(b)fluoranthene

22.766min (-0.018) 0.66 ng/u1

response 55574

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	29.28
125.00	16.00	26.55
0.00	0.00	0.00

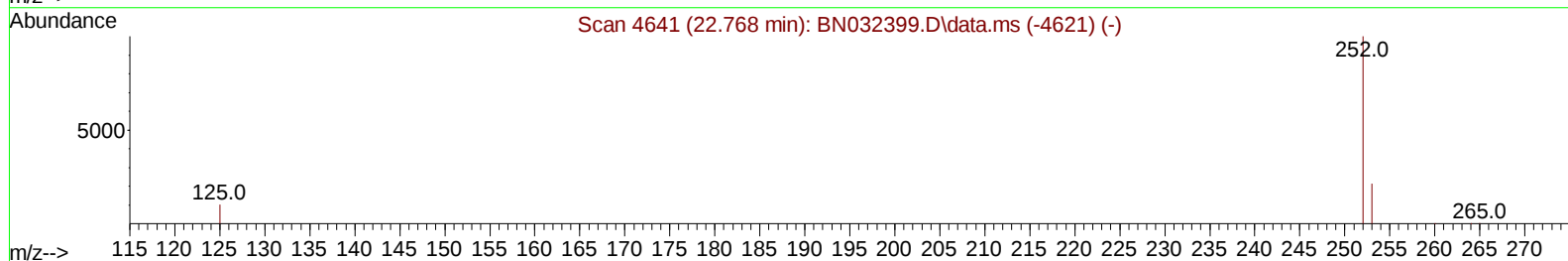
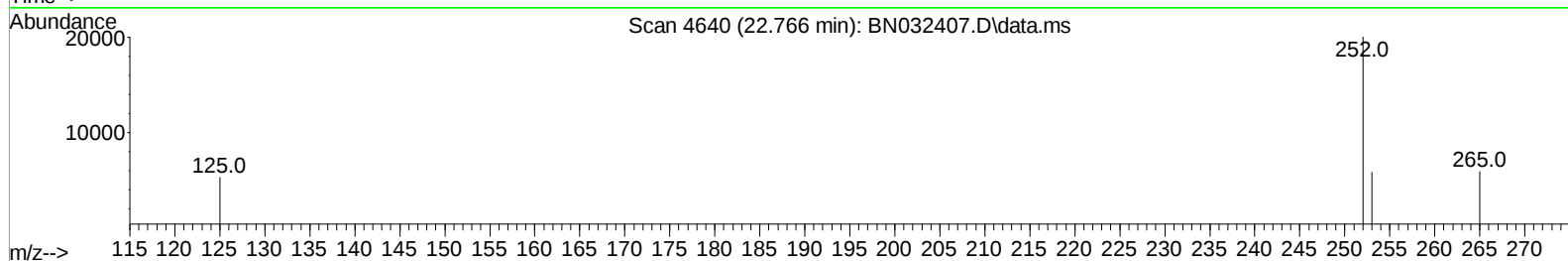
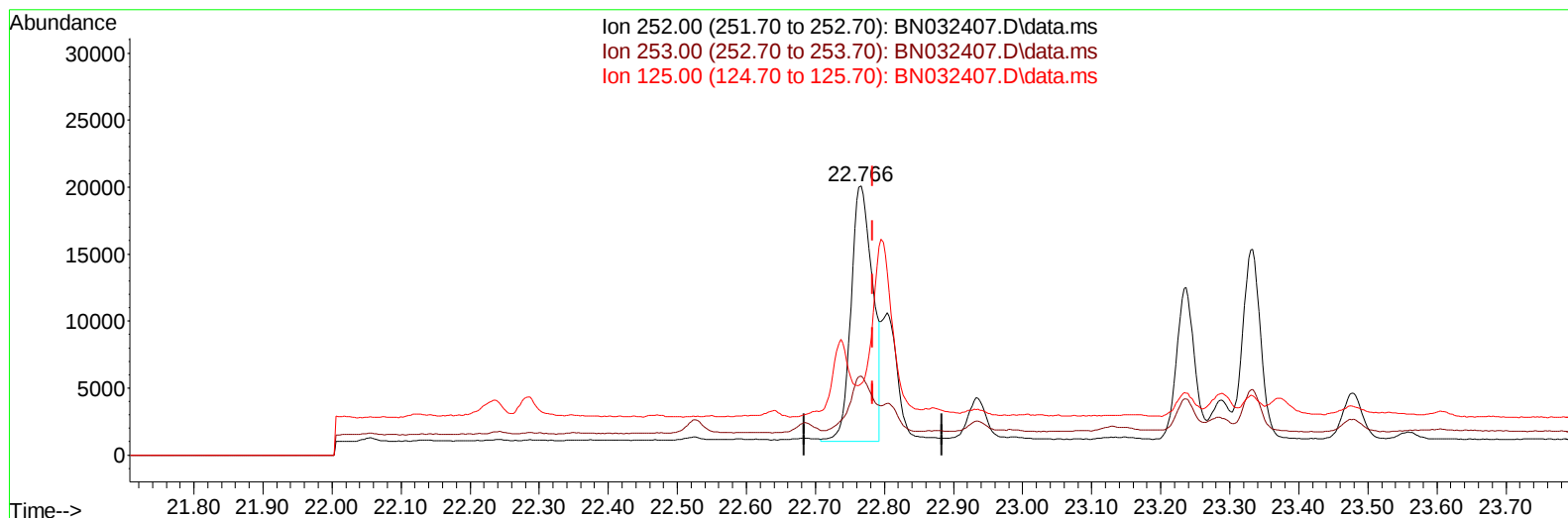
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 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: BN032407.D\data.ms

(24) Benzo(b)fluoranthene

22.766min (-0.018) 0.49 ng/u1 m

response 41384

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	29.28
125.00	16.00	26.55
0.00	0.00	0.00

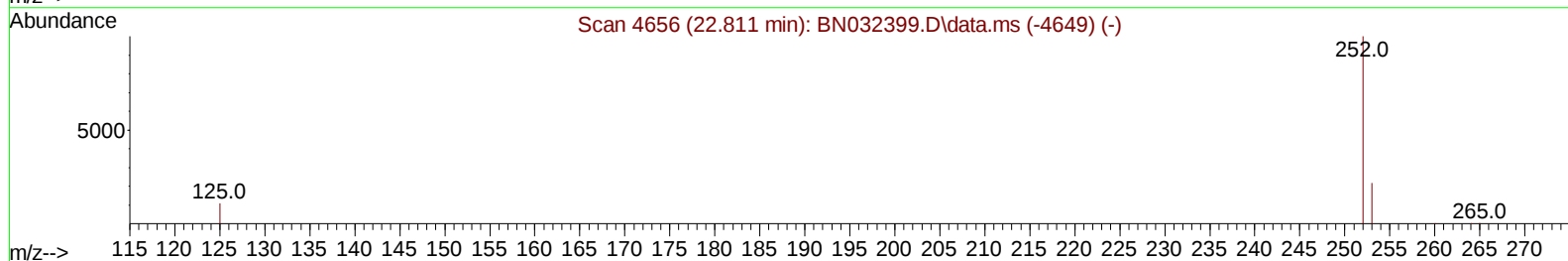
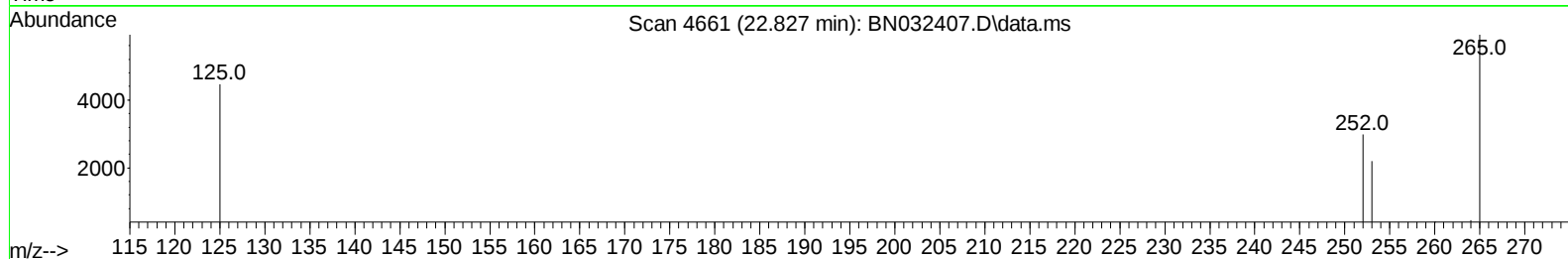
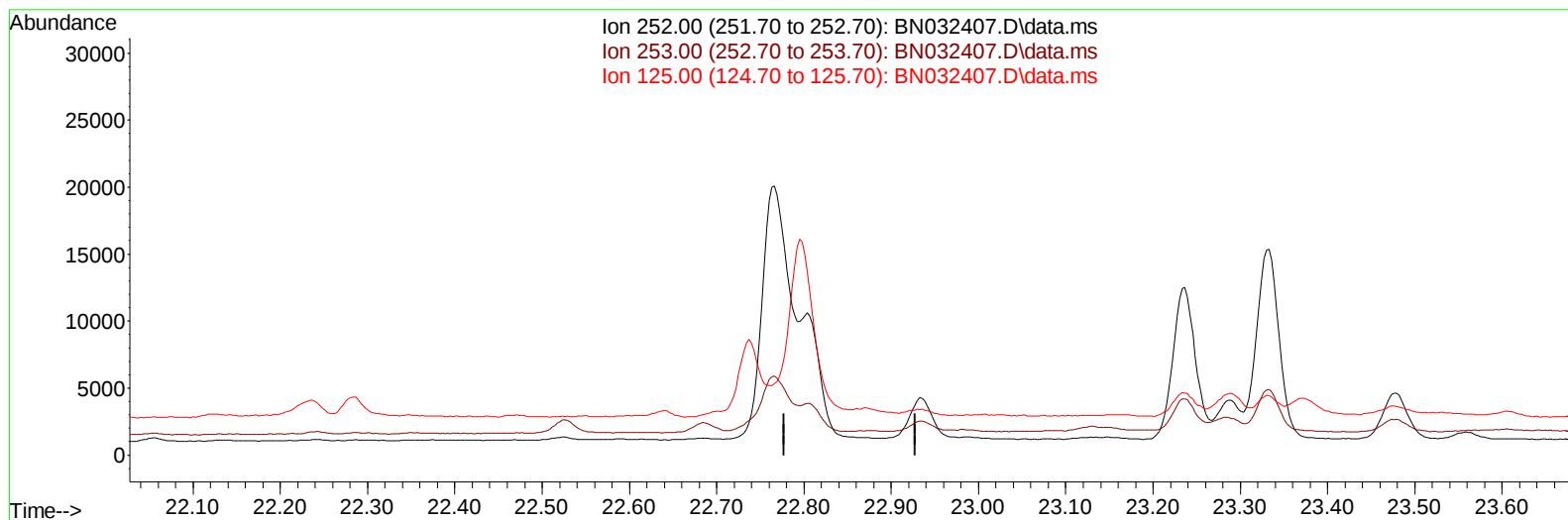
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
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ALS Vial : 54 Sample Multiplier: 1

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TIC: BN032407.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

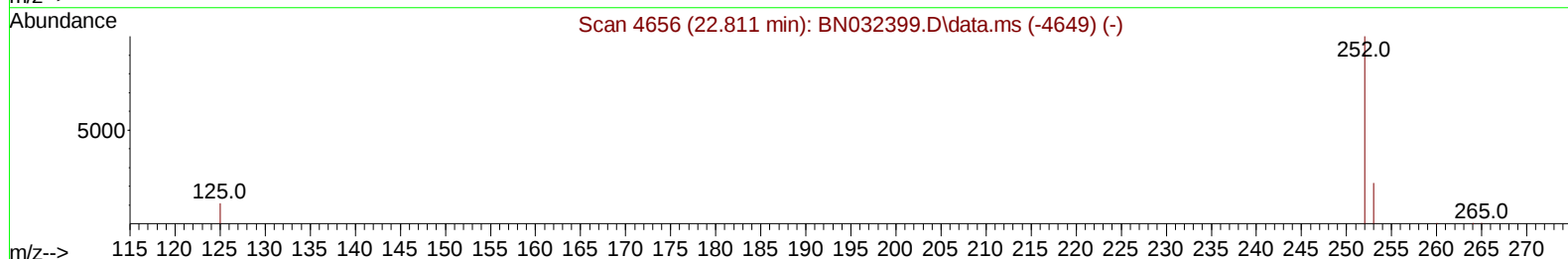
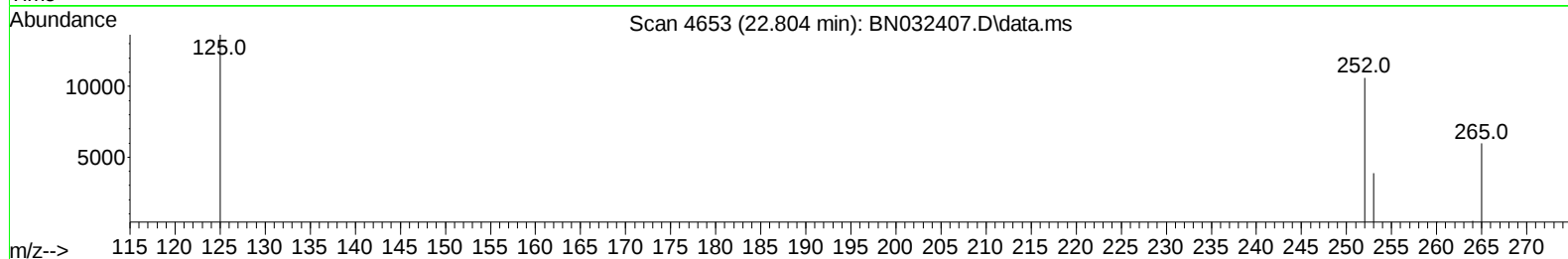
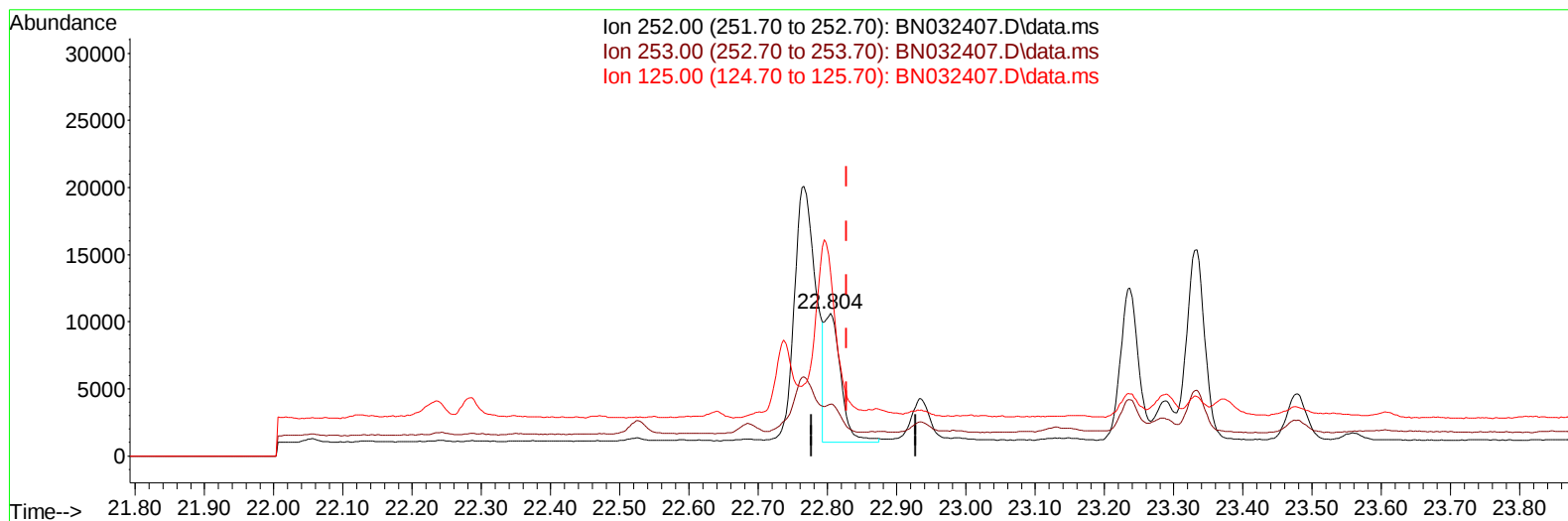
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032407.D
Acq On : 02 Jul 2024 19:00
Operator : MA/JU
Sample : P2871-17
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN8

Manual IntegrationsAPPROVED

Quant Time: Jul 02 23:55:51 2024
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TIC: BN032407.D\data.ms

(25) Benzo(k)fluoranthene

22.804min (-0.024) 0.19 ng/u1 m

response 15852

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	36.40#
125.00	16.00	128.63#
0.00	0.00	0.00

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 Data File : BN032407.D
 Acq On : 02 Jul 2024 19:00
 Operator : MA/JU
 Sample : P2871-17
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN8

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/04/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.603	152	7849	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.382	136	24207	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.253	164	13790	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.007	188	22986m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.211	240	17487m	0.400	ng/ul	-0.01
23) Perylene-d12	23.430	264	19278m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	31179	3.574	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.977	152	10864	0.299	ng/ul	-0.02
18) Fluoranthene-d10	19.045	212	17244	0.328	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.426	128	1387	0.022	ng/ul#	74
10) Acenaphthylene	13.971	152	3996	0.070	ng/ul#	89
11) Acenaphthene	14.313	153	1055	0.024	ng/ul#	92
12) Fluorene	15.308	166	1309	0.025	ng/ul#	92
15) Phenanthrene	17.050	178	22247m	0.353	ng/ul	
16) Anthracene	17.138	178	4908m	0.087	ng/ul	
19) Fluoranthene	19.073	202	51249	0.770	ng/ul	95
20) Pyrene	19.440	202	45463	0.653	ng/ul	99
21) Benzo(a)anthracene	21.197	228	23918	0.379	ng/ul	93
22) Chrysene	21.249	228	28323m	0.409	ng/ul	
24) Benzo(b)fluoranthene	22.766	252	41384m	0.494	ng/ul	
25) Benzo(k)fluoranthene	22.804	252	15852m	0.195	ng/ul	
26) Benzo(a)pyrene	23.333	252	25584	0.439	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.666	276	23002	0.252	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.666	278	5366	0.079	ng/ul#	1
29) Benzo(g,h,i)perylene	26.354	276	22632	0.311	ng/ul#	87

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

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