

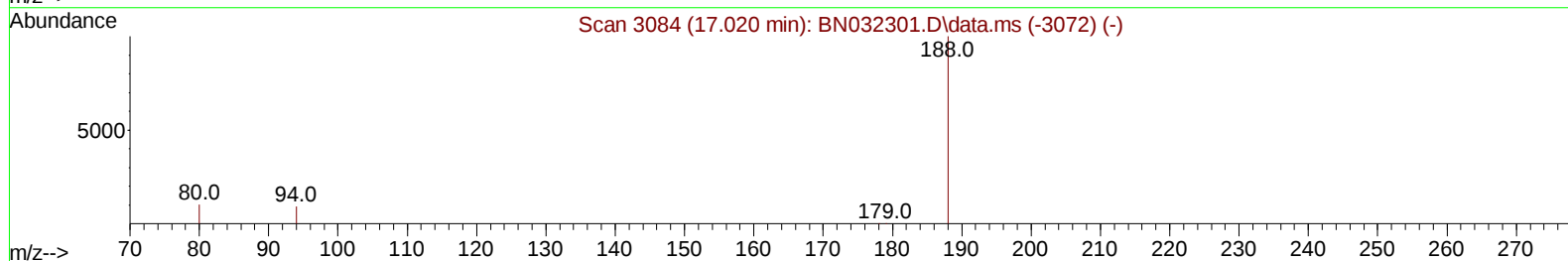
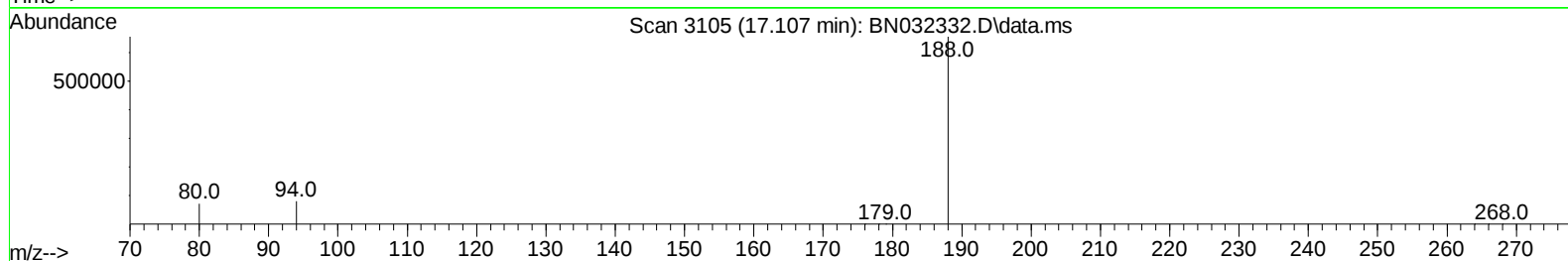
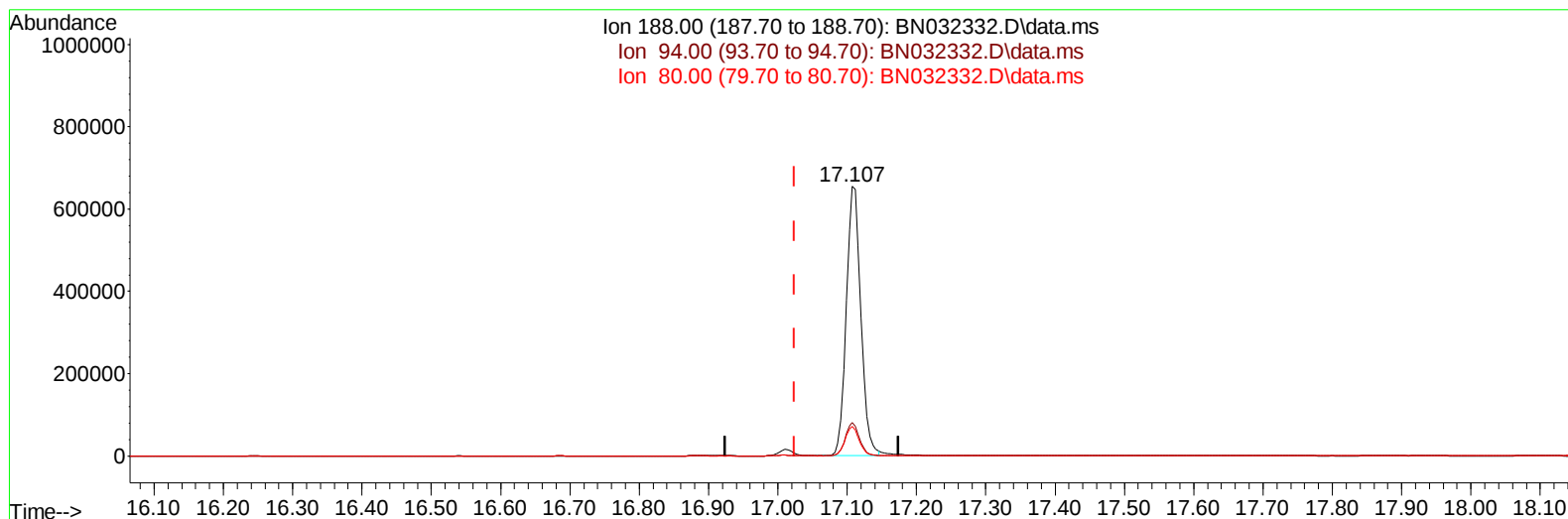
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(13) Phenanthrene-d10 (I)

17.107min (+ 0.083) 0.40 ng/u1

response 961603

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.30#
80.00	10.50	10.94
0.00	0.00	0.00

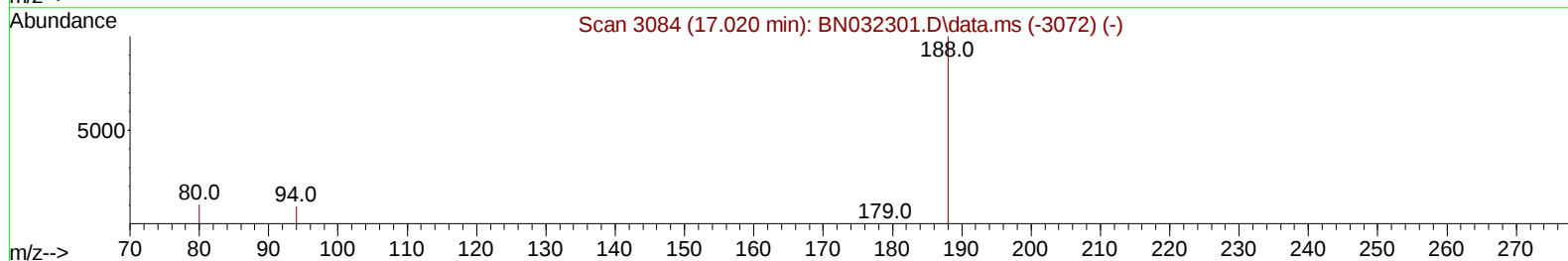
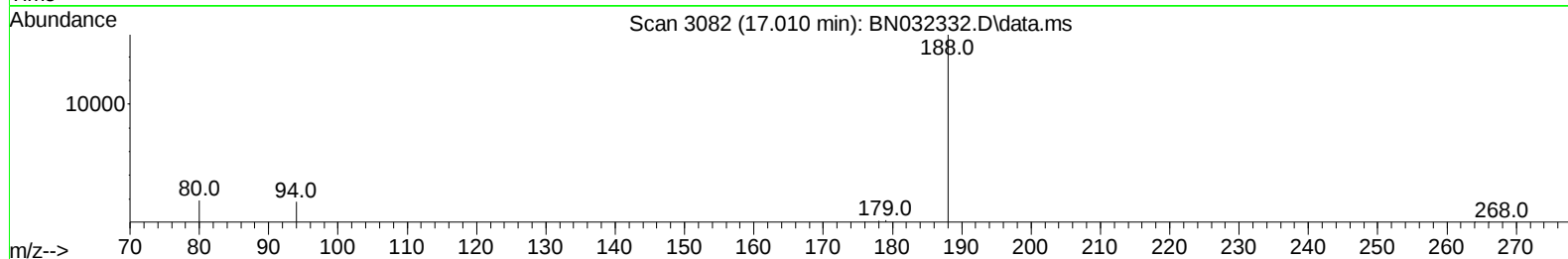
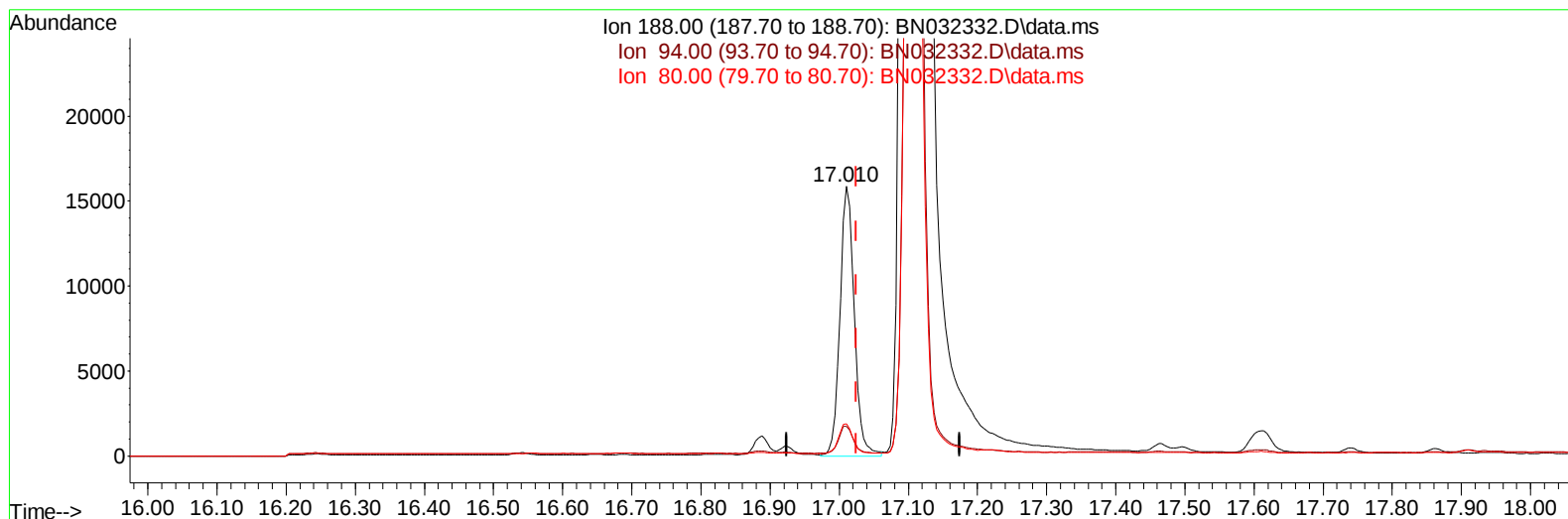
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(13) Phenanthrene-d10 (I)

17.010min (-0.014) 0.40 ng/ul m

response 22887

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.06
80.00	10.50	11.90
0.00	0.00	0.00

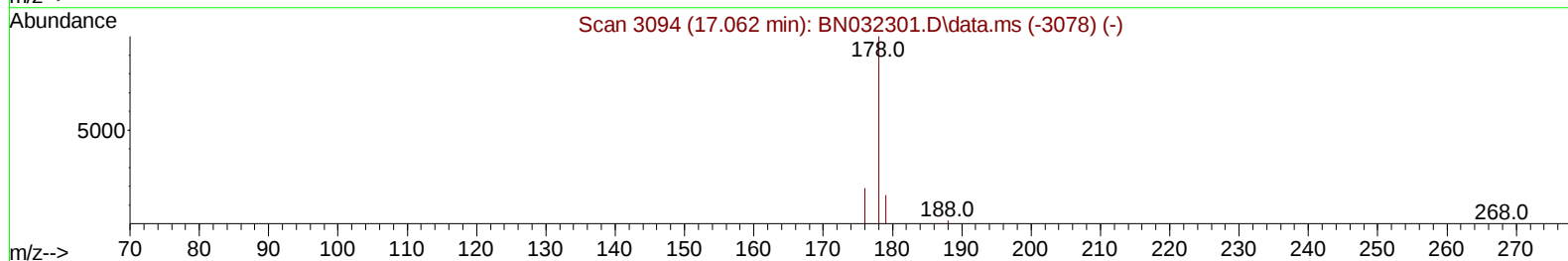
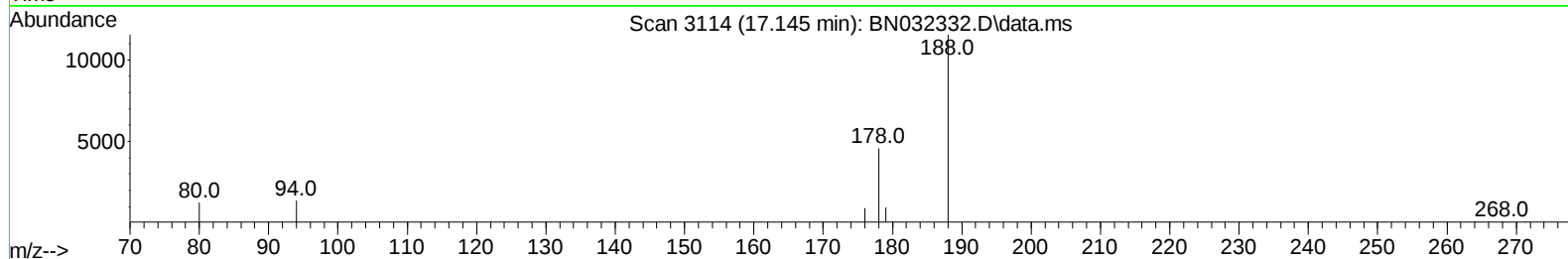
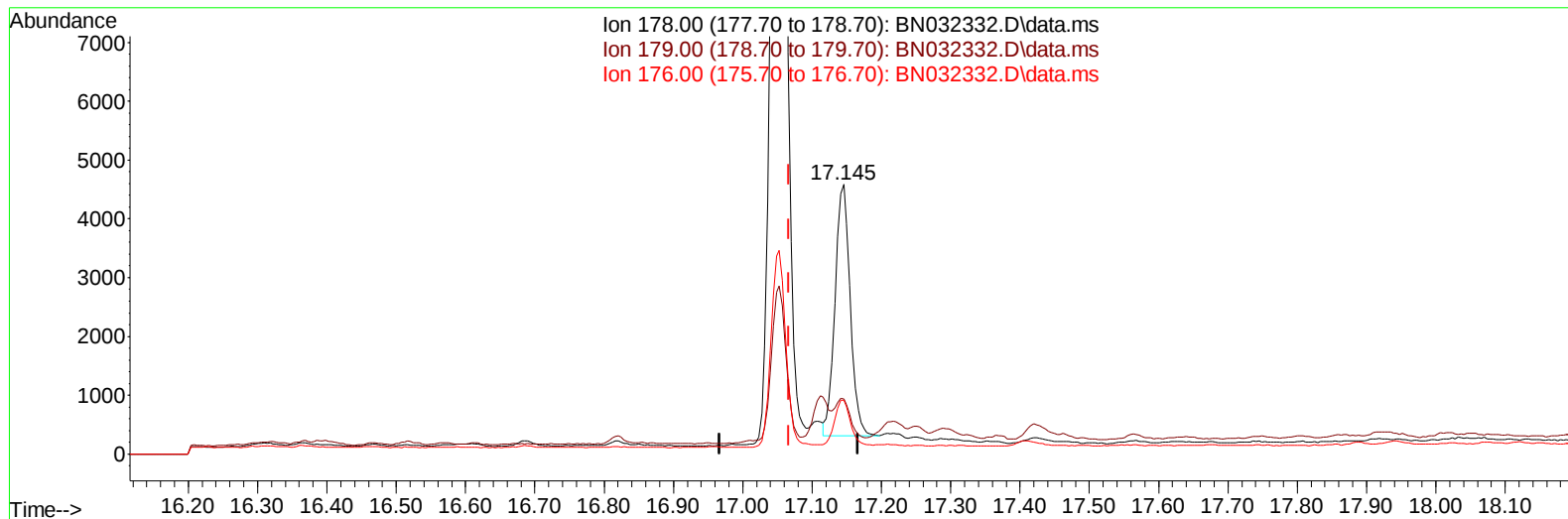
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(15) Phenanthrene

17.145min (+ 0.079) 0.10 ng/u1

response 6472

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	20.42#
176.00	19.50	19.87
0.00	0.00	0.00

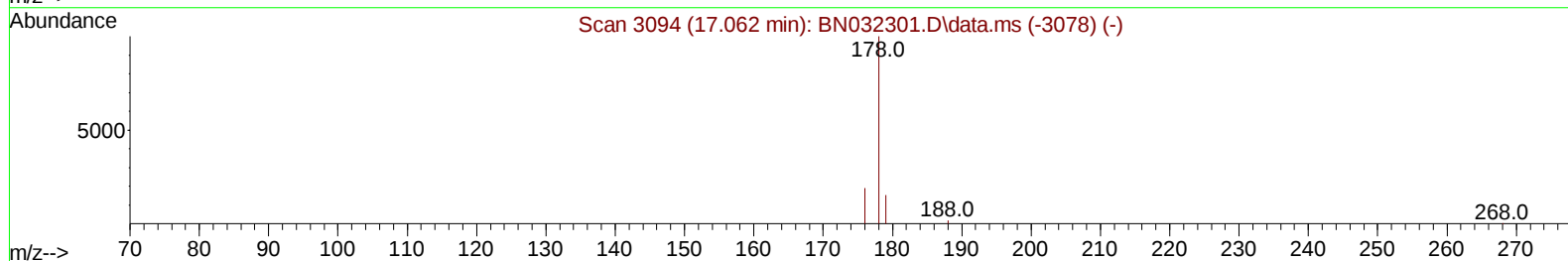
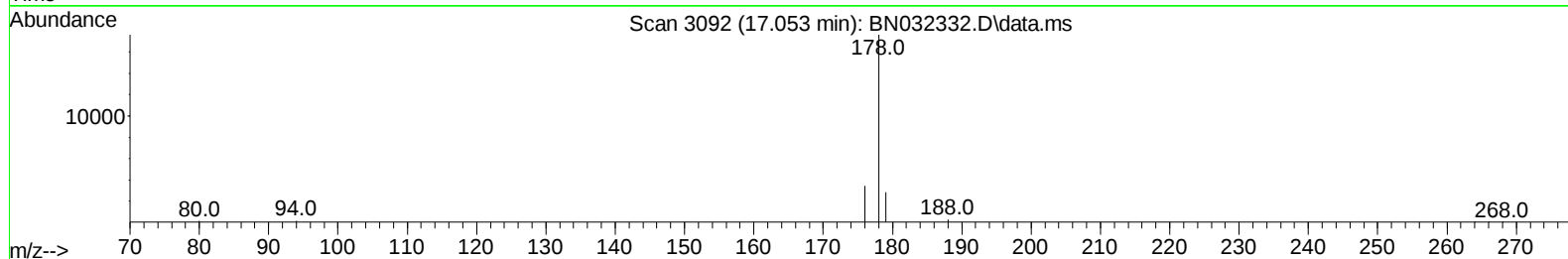
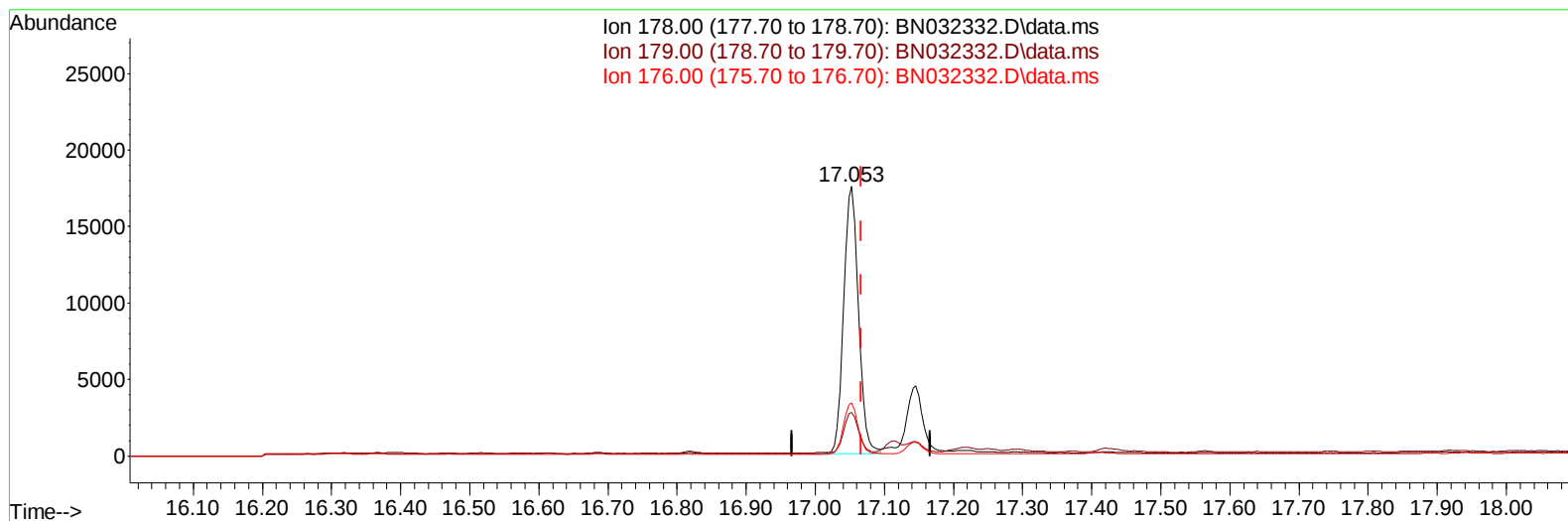
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(15) Phenanthrene

17.053min (-0.014) 0.42 ng/ul m

response 26105

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.21
176.00	19.50	19.65
0.00	0.00	0.00

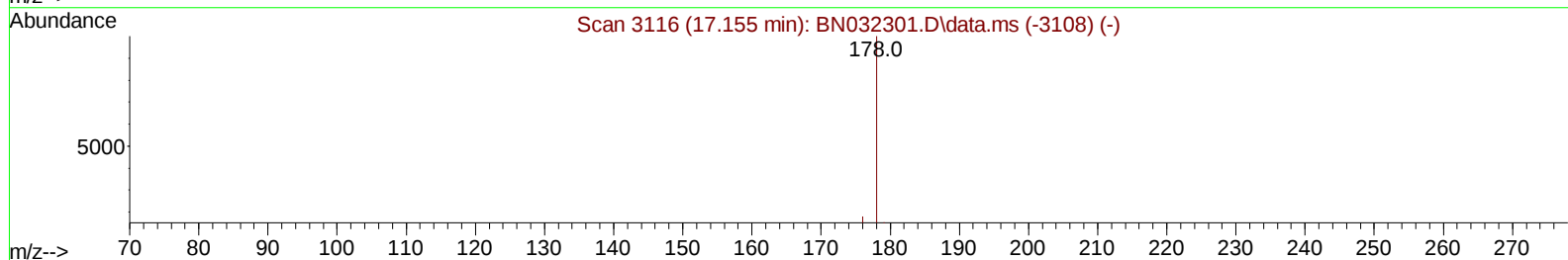
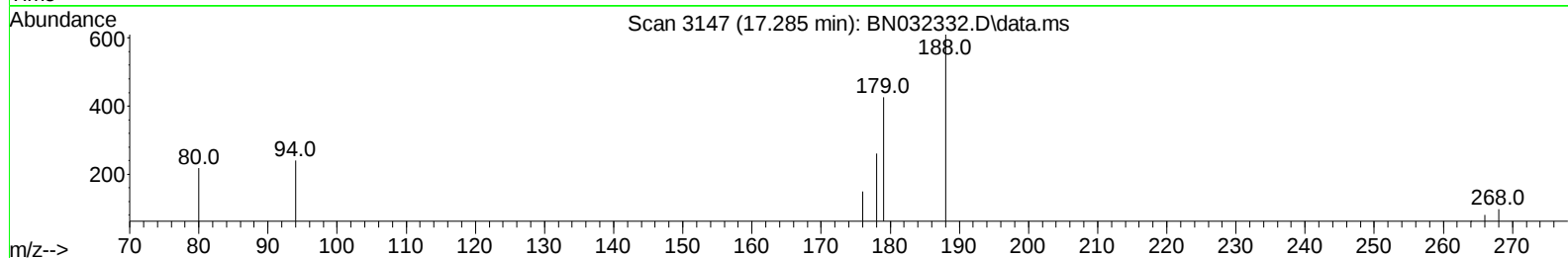
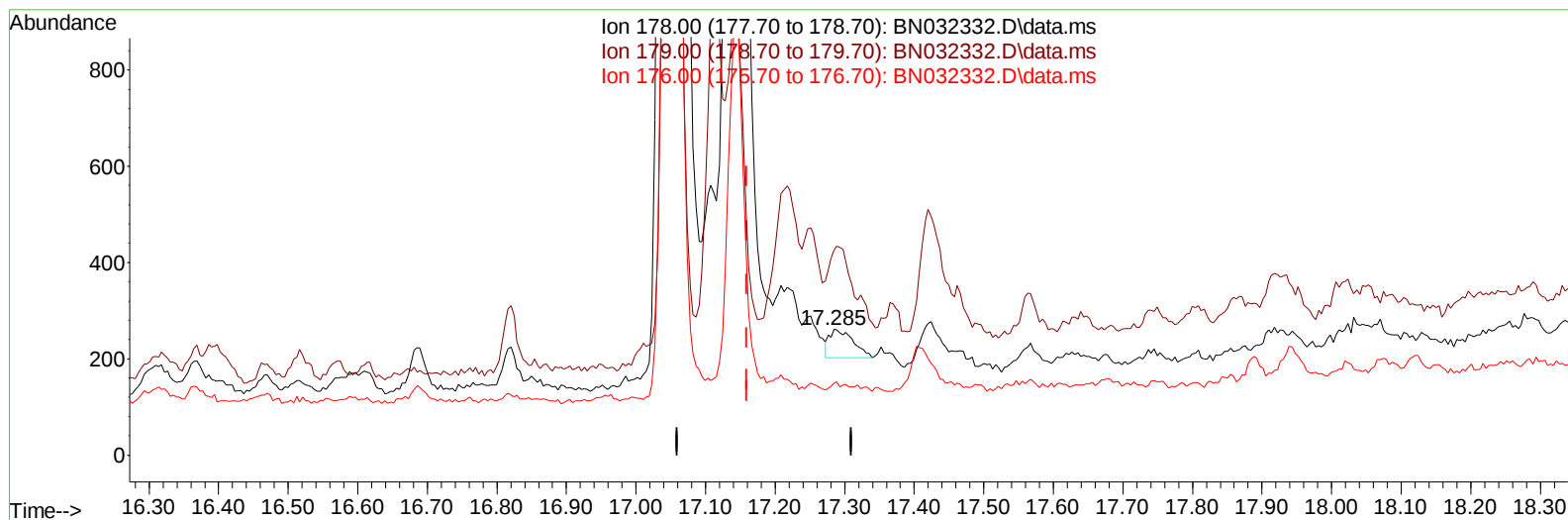
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(16) Anthracene

17.285min (+ 0.125) 0.00 ng/u1

response 140

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	163.22#
176.00	18.80	57.47#
0.00	0.00	0.00

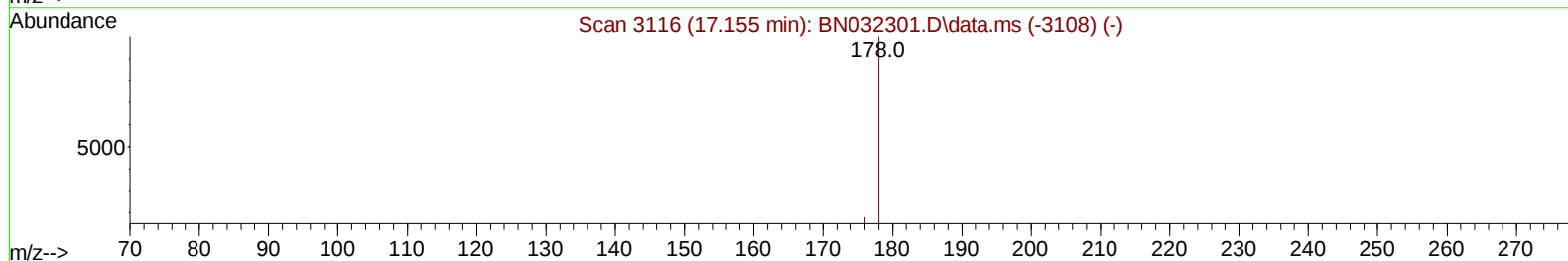
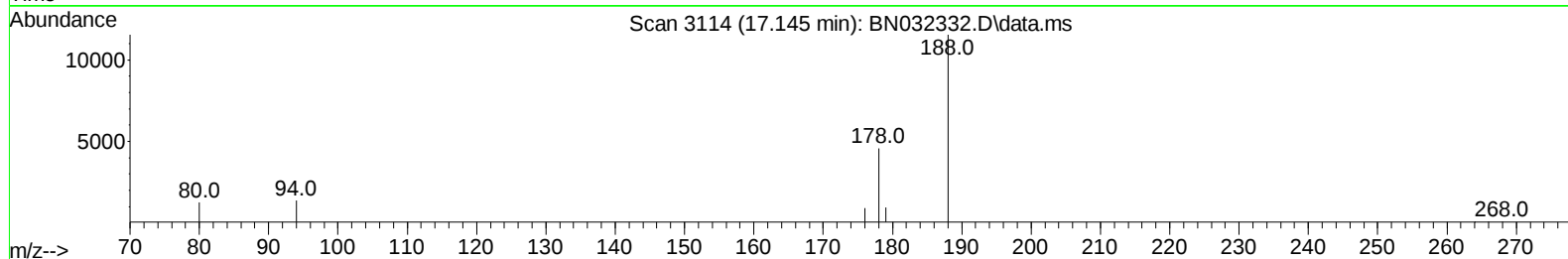
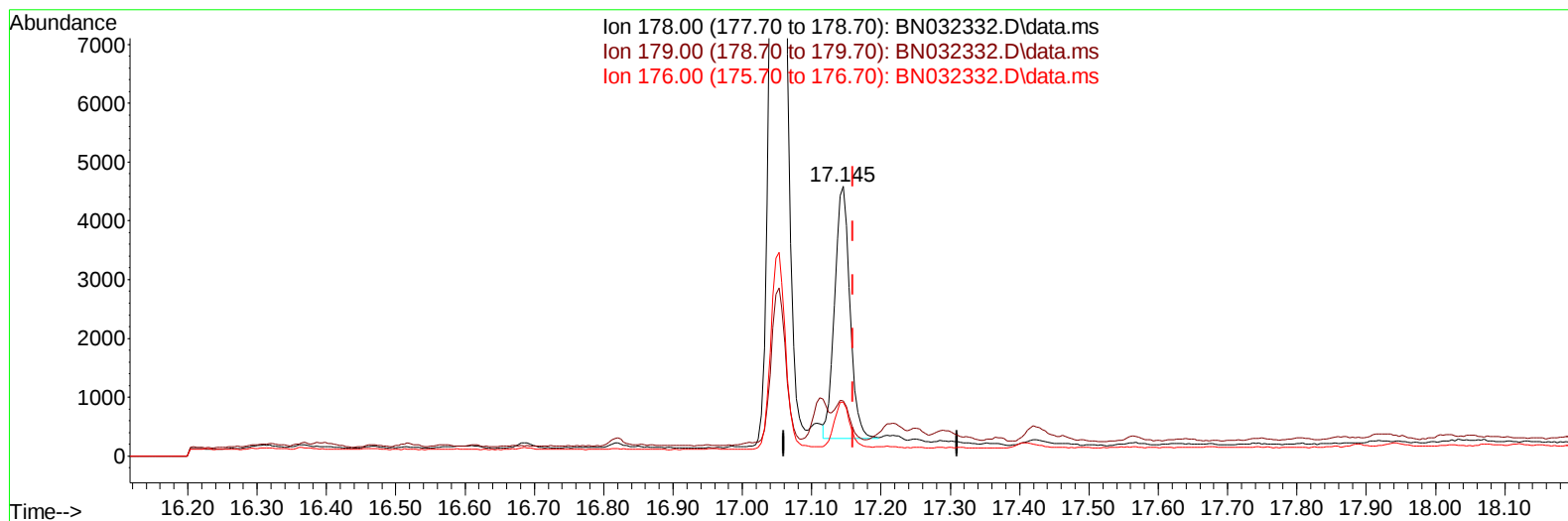
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(16) Anthracene

17.145min (-0.014) 0.12 ng/ul m

response 6515

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	20.42#
176.00	18.80	19.87
0.00	0.00	0.00

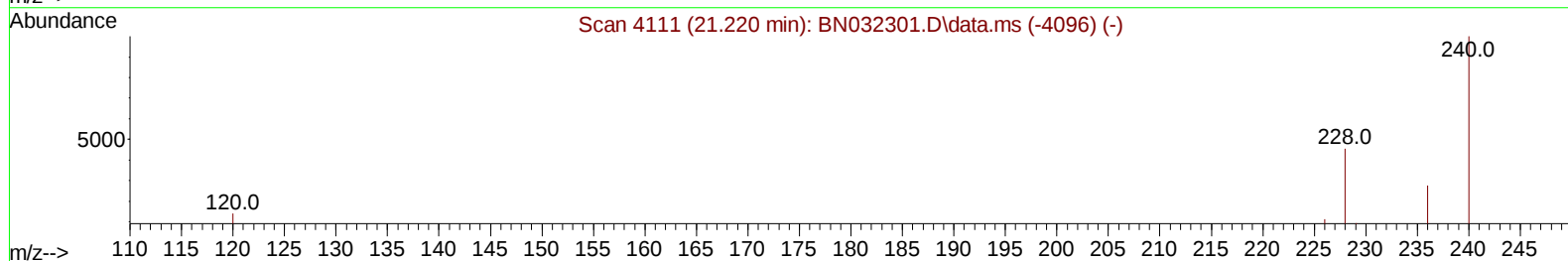
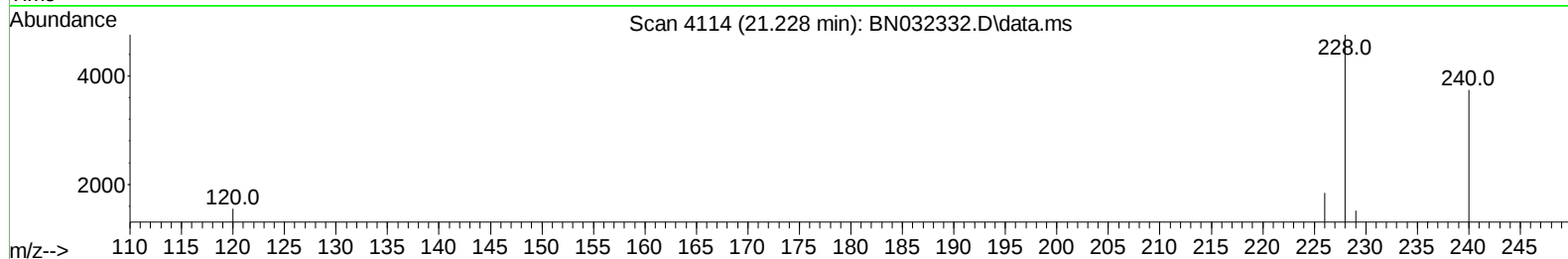
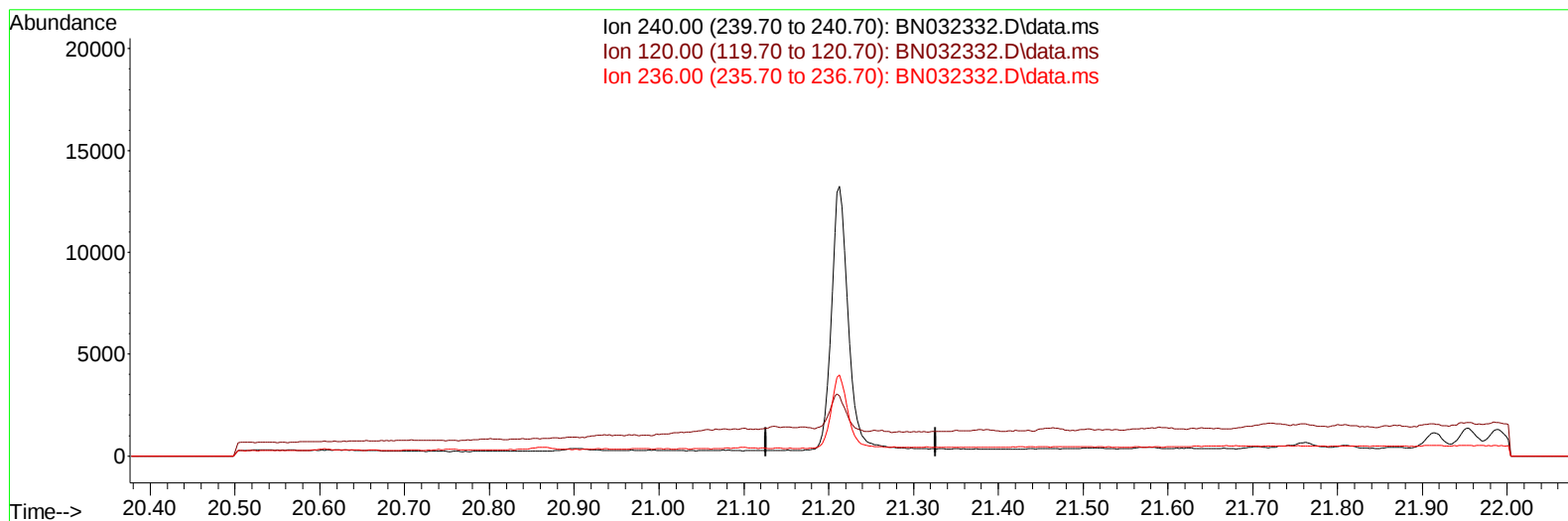
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.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

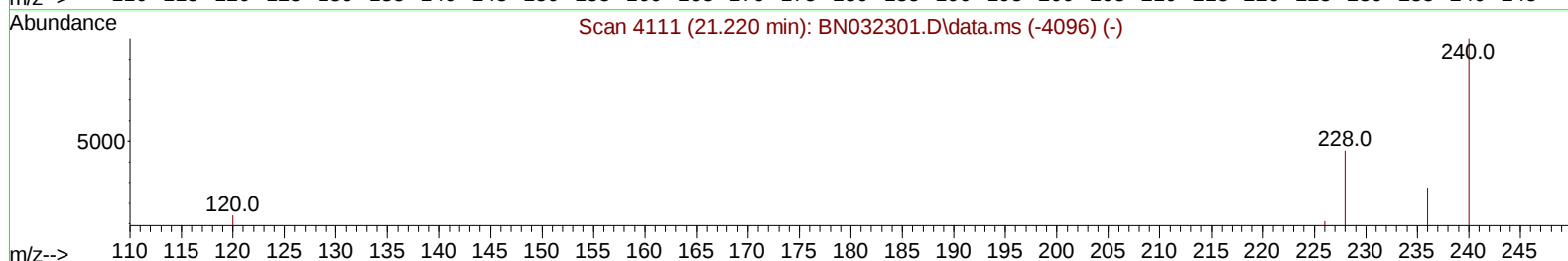
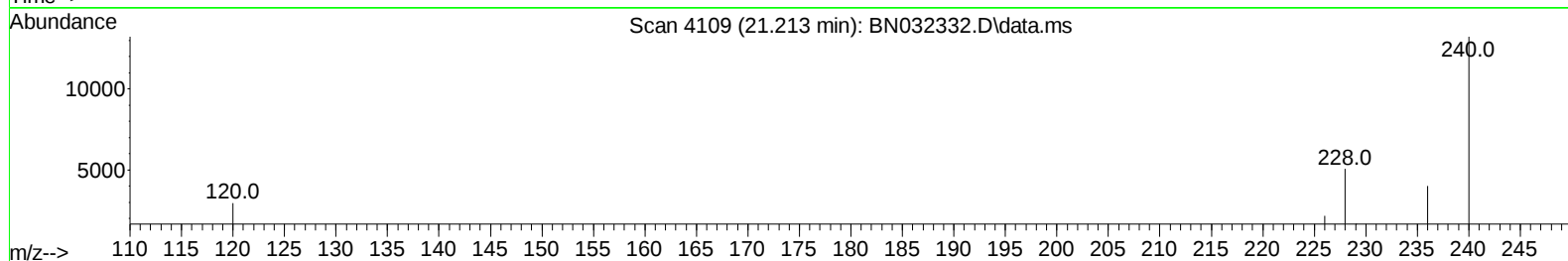
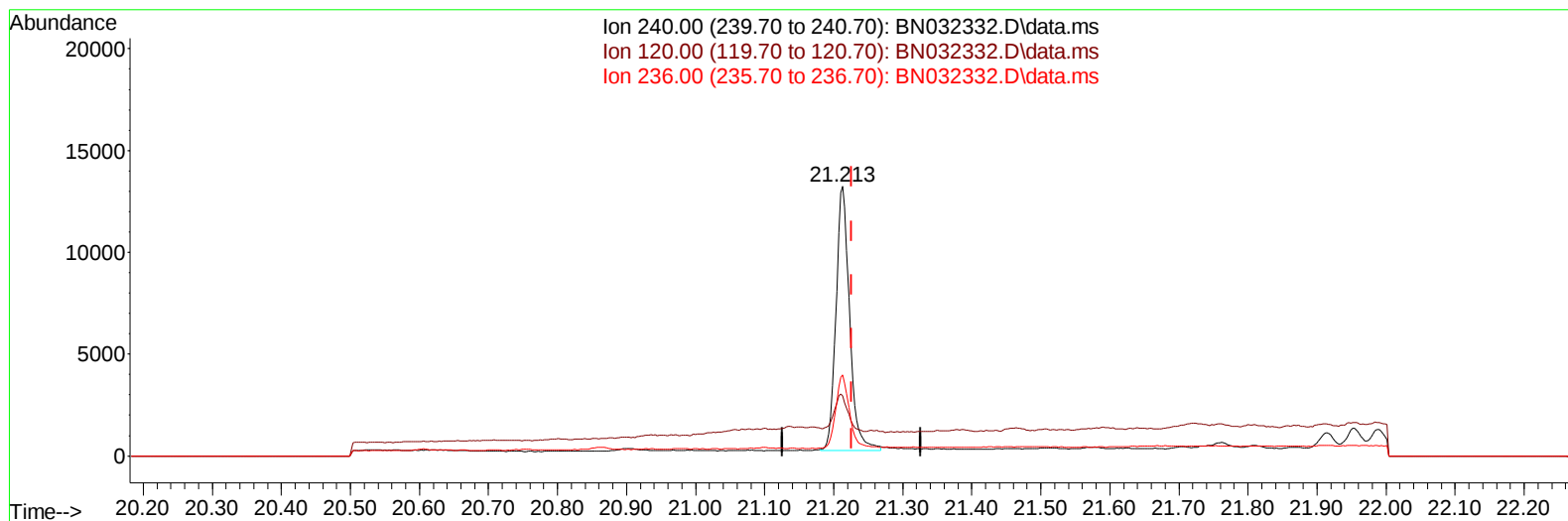
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

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

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(17) Chrysene-d12

21.213min (-0.013) 0.40 ng/ul m

response 17990

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	22.21#
236.00	28.40	30.13
0.00	0.00	0.00

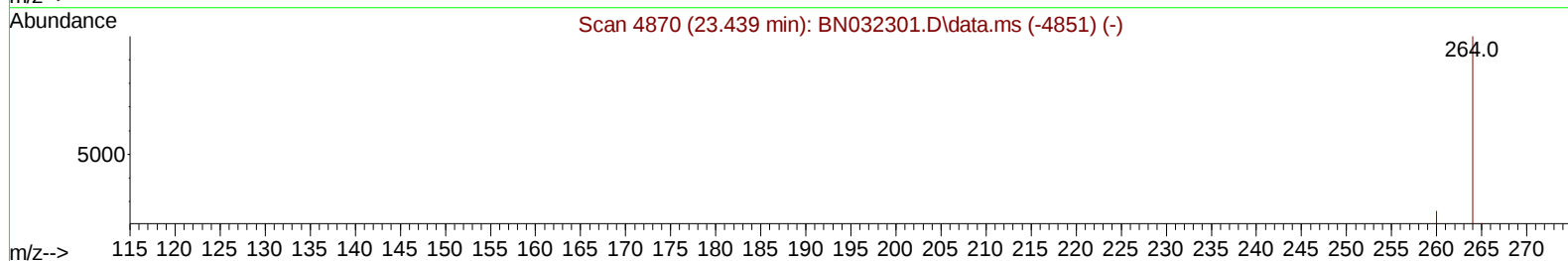
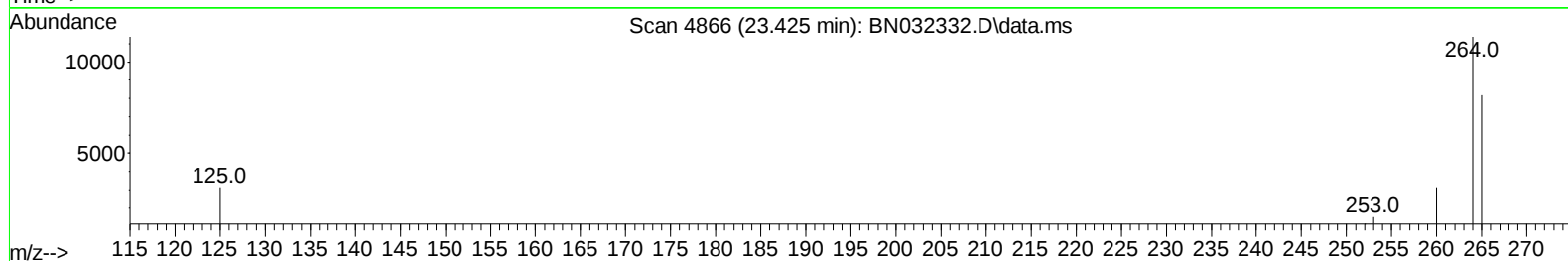
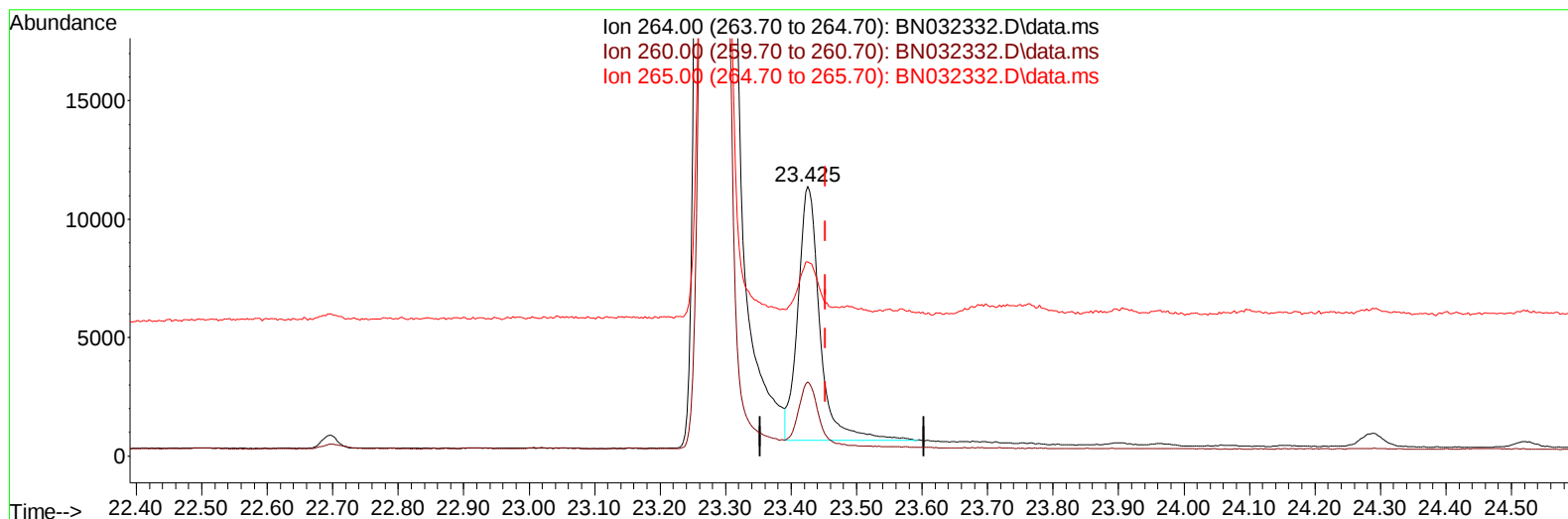
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

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

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(23) Perylene-d12 (I)

23.425min (-0.028) 0.40 ng/u1

response 25074

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.43
265.00	67.20	71.94
0.00	0.00	0.00

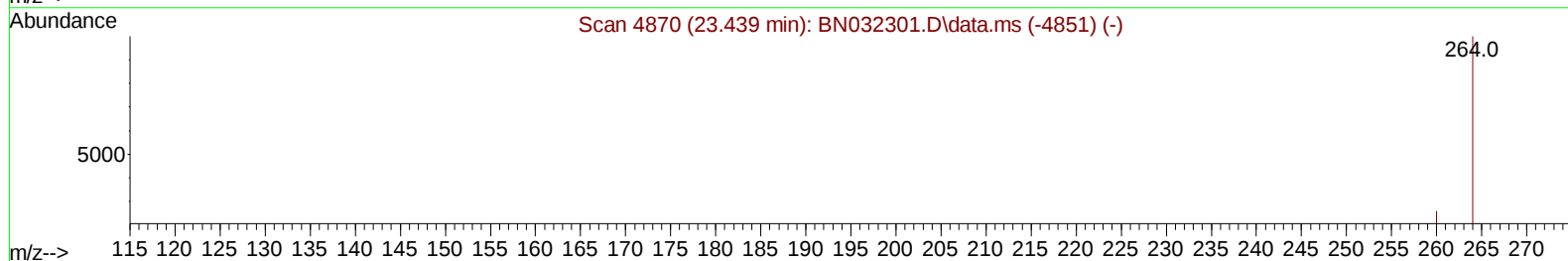
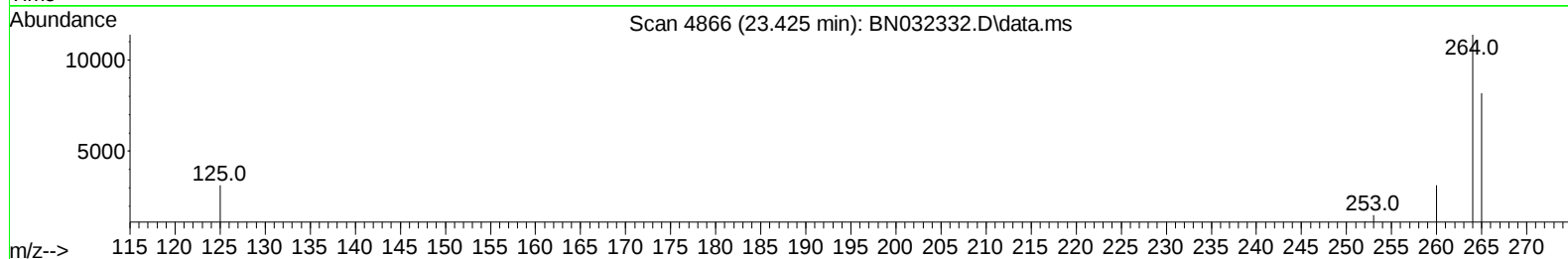
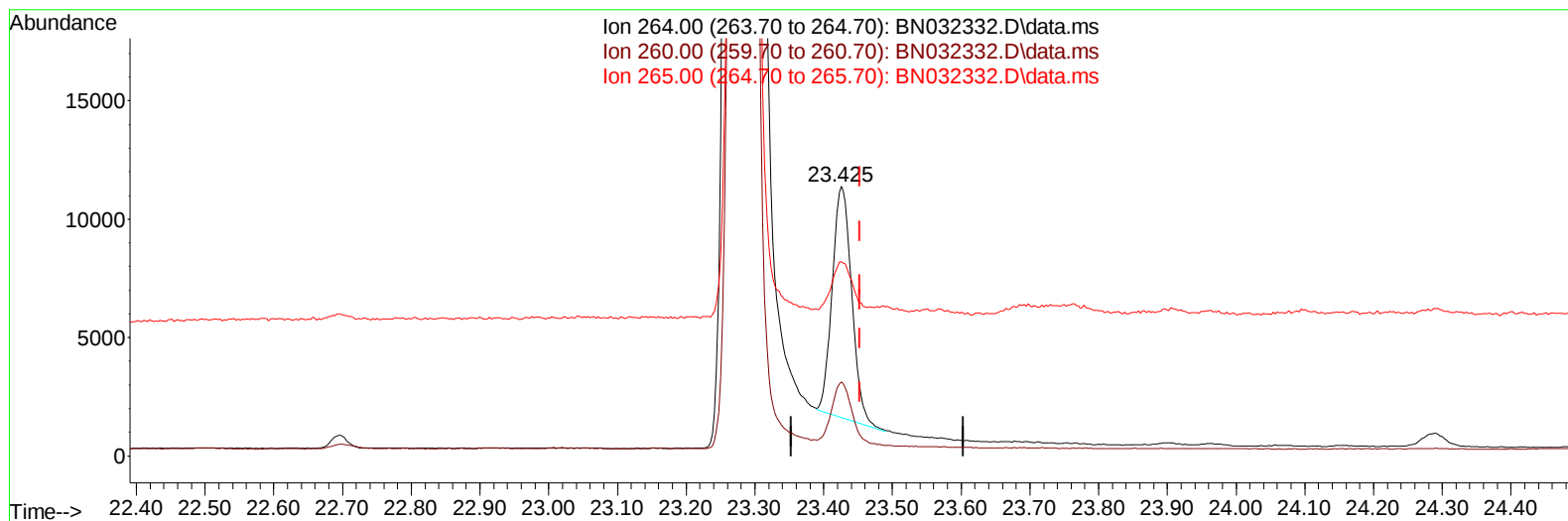
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(23) Perylene-d12 (I)

23.425min (-0.028) 0.40 ng/ul m

response 19068

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.43
265.00	67.20	71.94
0.00	0.00	0.00

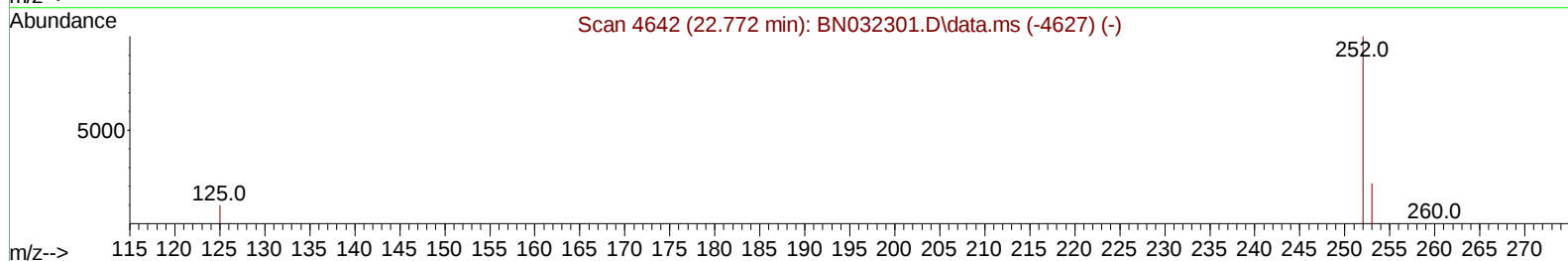
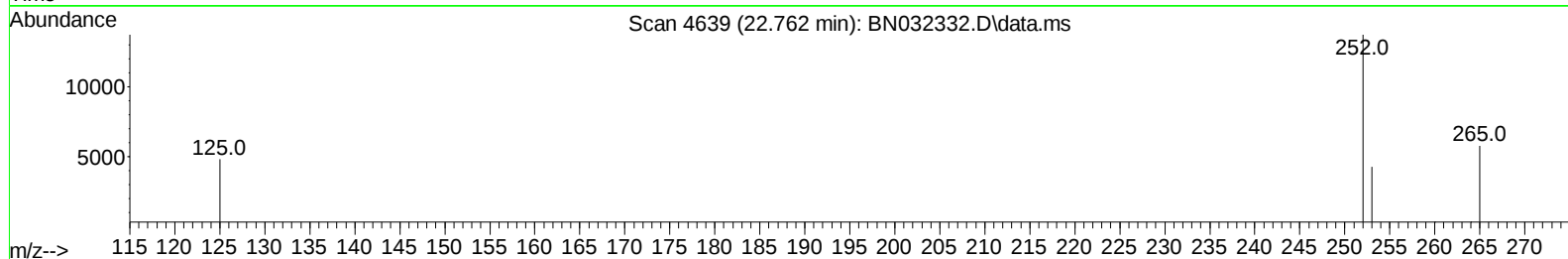
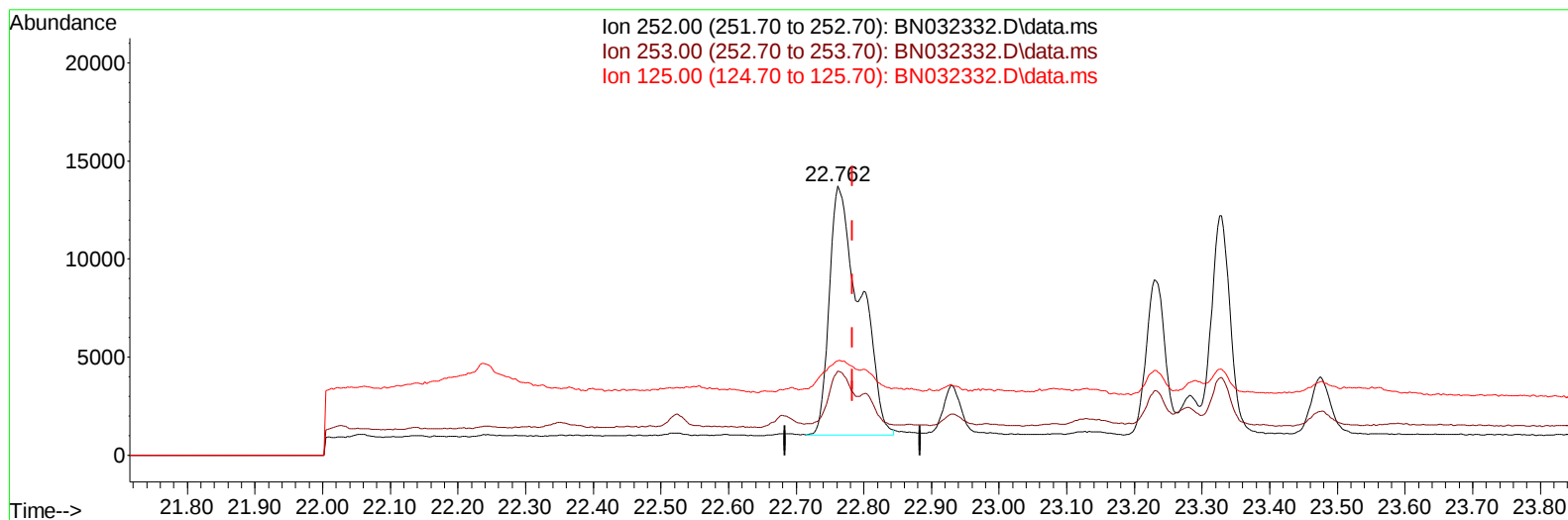
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(24) Benzo(b)fluoranthene

22.762min (-0.022) 0.48 ng/u1

response 40143

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	31.19
125.00	16.00	35.06#
0.00	0.00	0.00

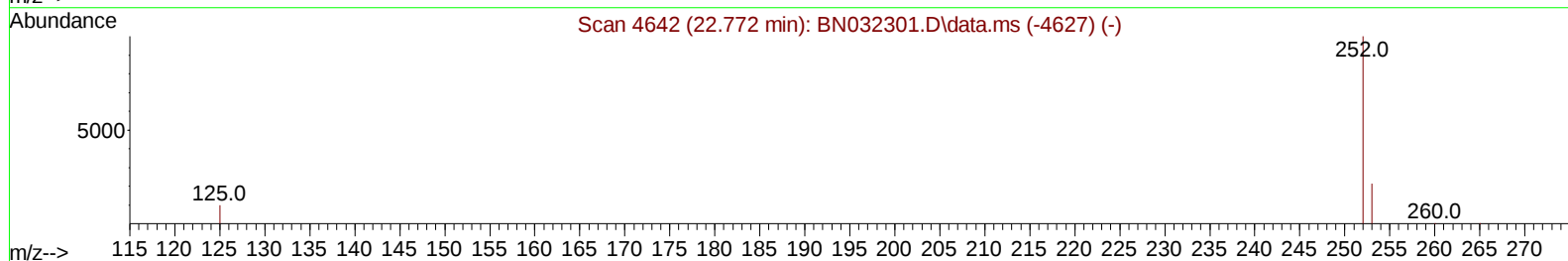
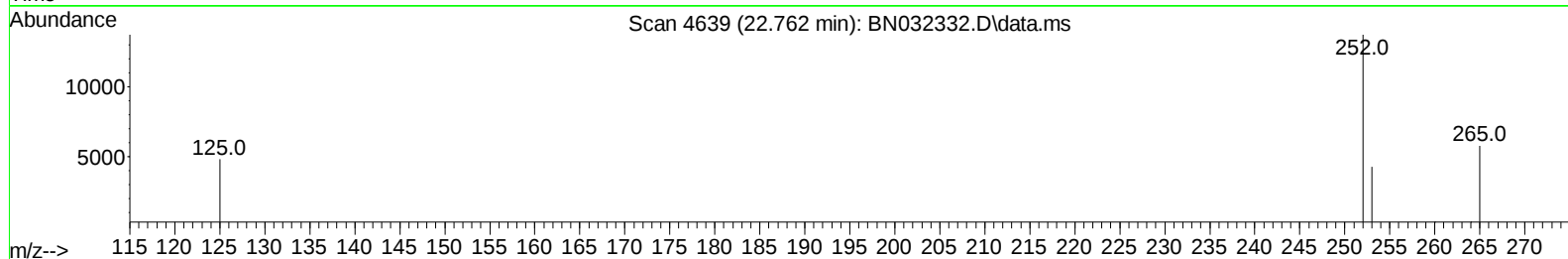
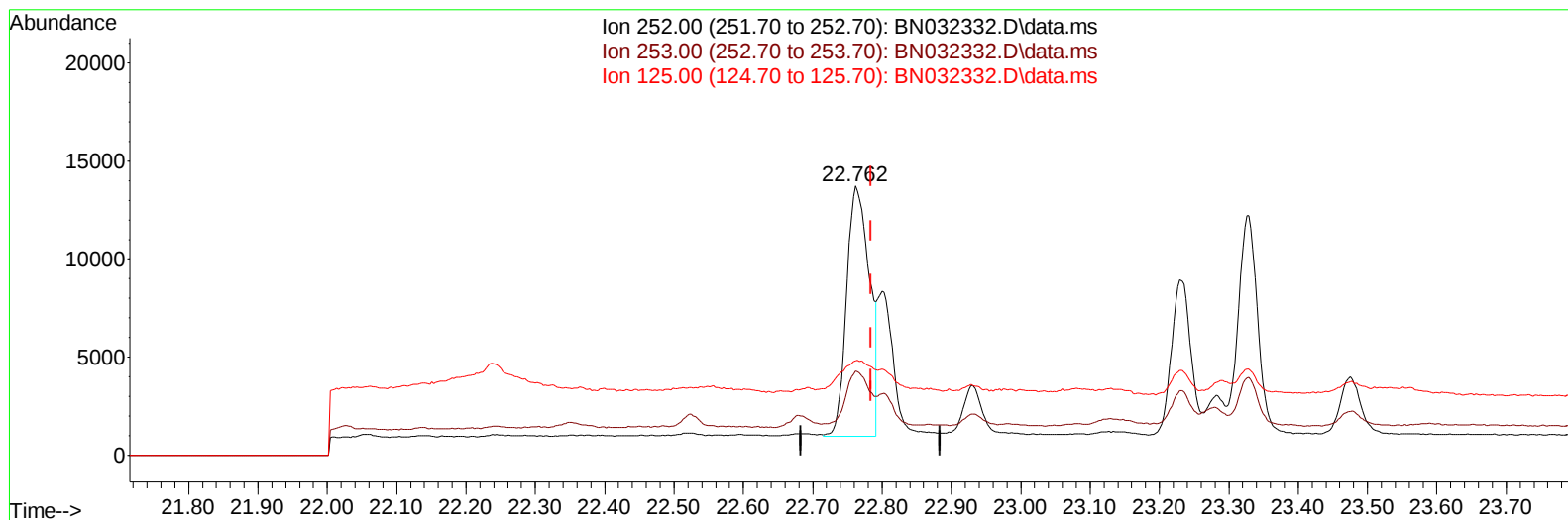
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

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

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(24) Benzo(b)fluoranthene

22.762min (-0.022) 0.35 ng/u1 m

response 29247

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	31.19
125.00	16.00	35.06#
0.00	0.00	0.00

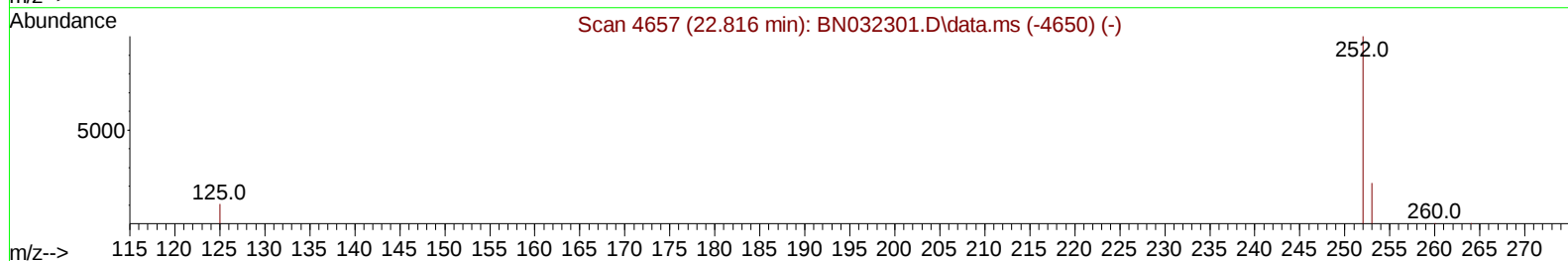
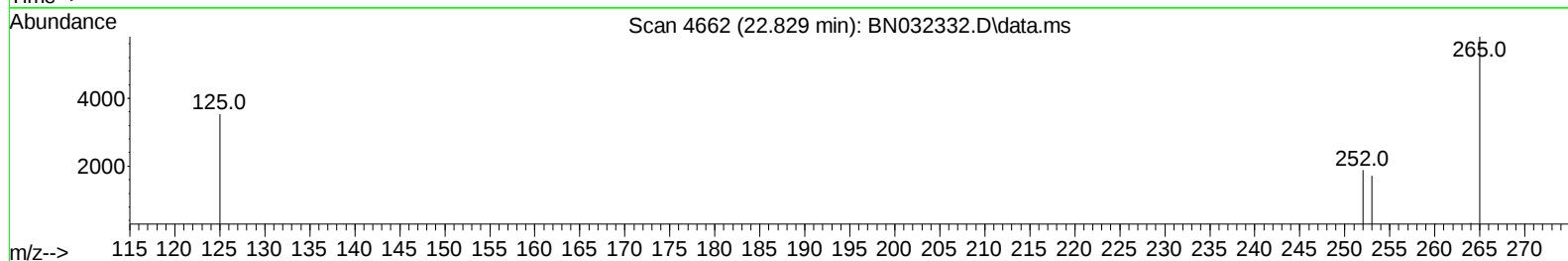
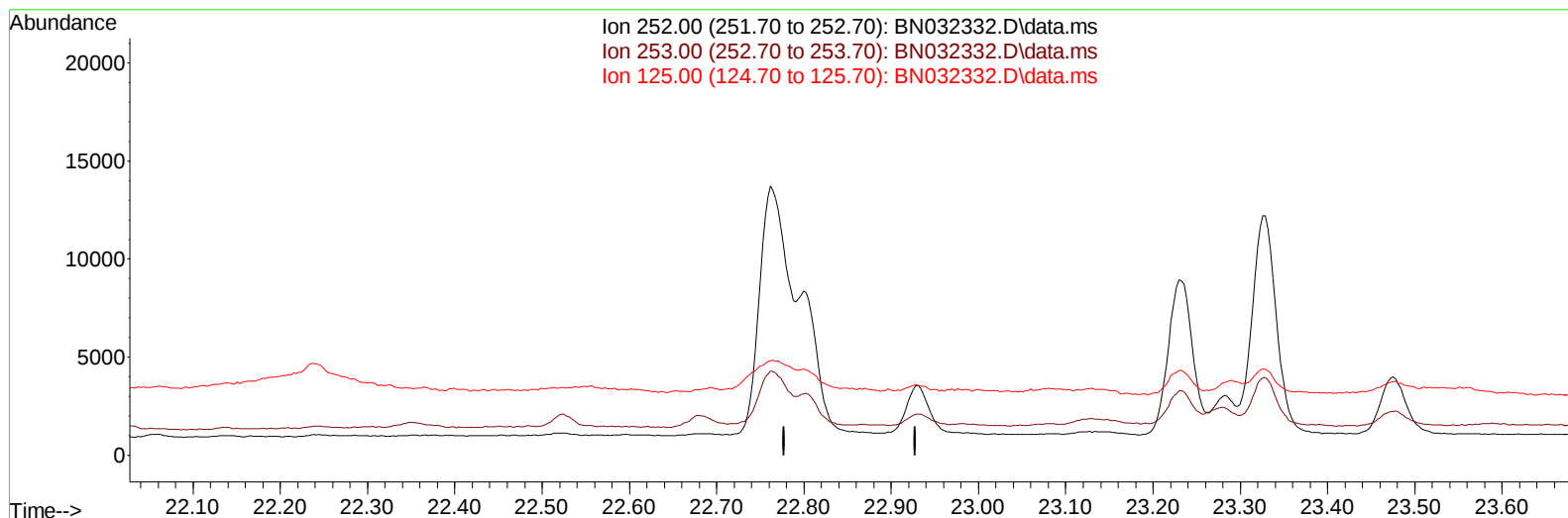
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.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

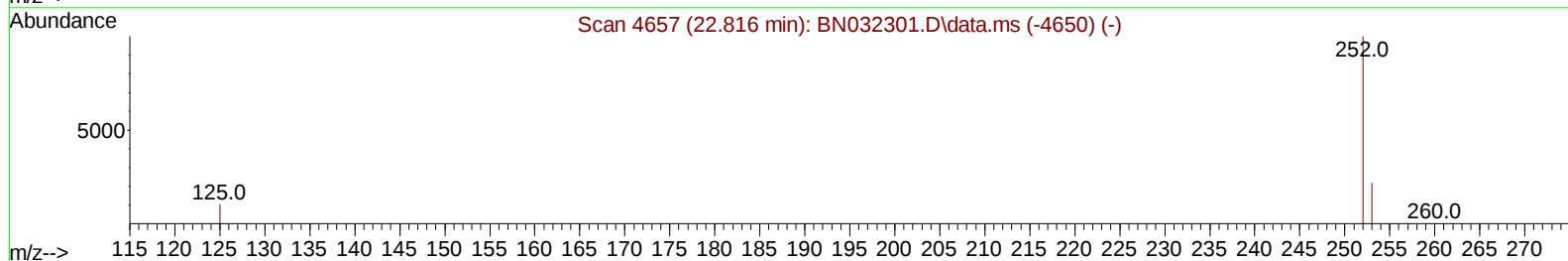
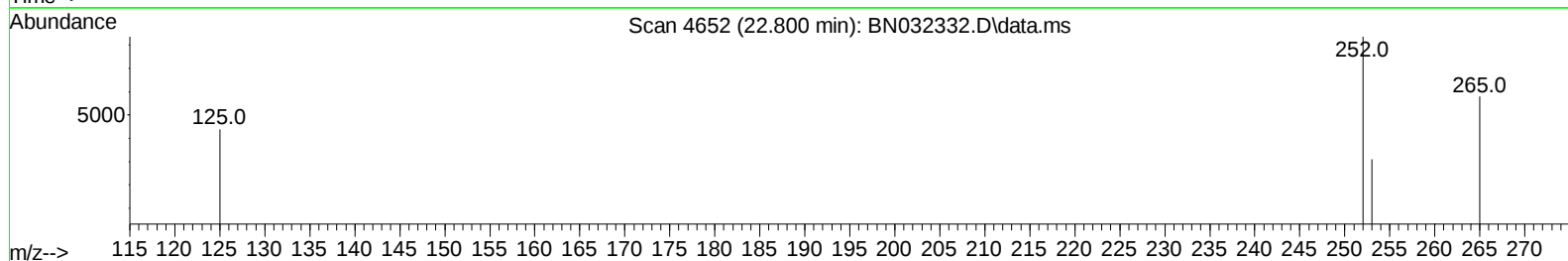
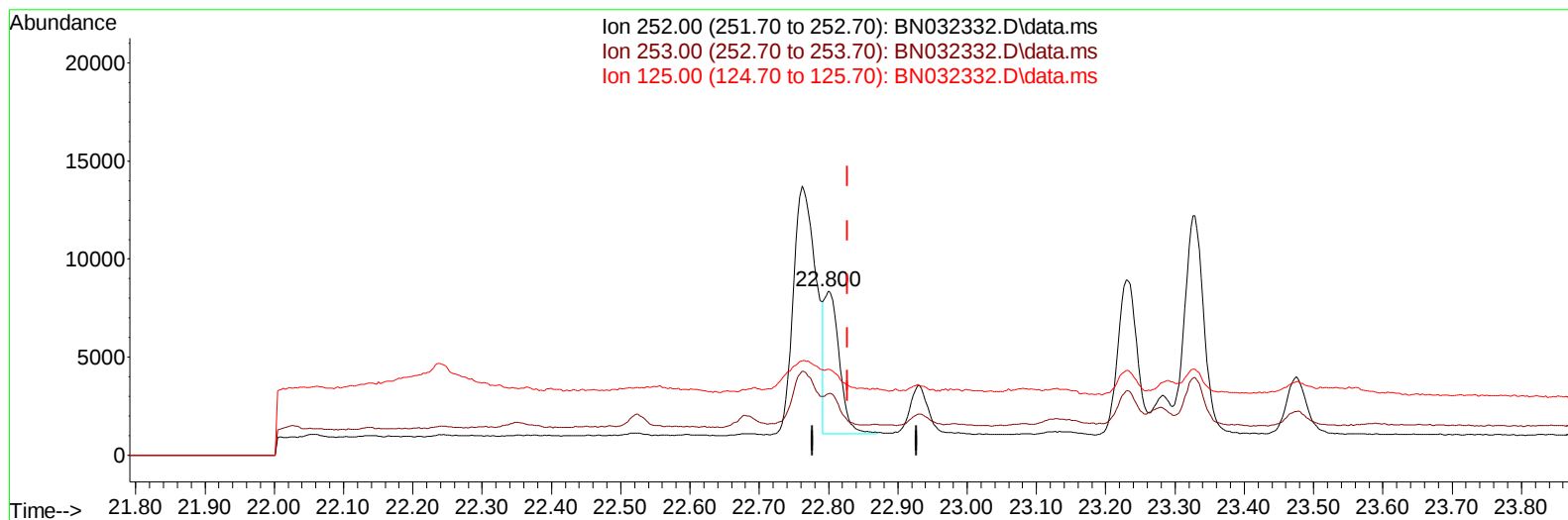
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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: BN032332.D\data.ms

(25) Benzo(k)fluoranthene

22.800min (-0.028) 0.14 ng/u1 m

response 11012

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	37.22#
125.00	16.00	52.43#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
 Data File : BN032332.D
 Acq On : 29 Jun 2024 02:40
 Operator : MA/JU
 Sample : P2934-21
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4B57

Manual IntegrationsAPPROVED

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

Quant Time: Jun 29 03:45:36 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	7670	0.400	ng/ul	0.00
4) Naphthalene-d8	10.386	136	23086	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.256	164	12416	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.010	188	22887m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.213	240	17990m	0.400	ng/ul	-0.01
23) Perylene-d12	23.425	264	19068m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.148	96	25237	2.960	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.986	152	6716	0.194	ng/ul	-0.01
18) Fluoranthene-d10	19.049	212	12270	0.227	ng/ul	-0.01
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.979	152	1909	0.037	ng/ul#	79
11) Acenaphthene	14.321	153	1331	0.033	ng/ul	95
12) Fluorene	15.316	166	1875	0.039	ng/ul#	96
15) Phenanthrene	17.053	178	26105m	0.416	ng/ul	
16) Anthracene	17.145	178	6515m	0.116	ng/ul	
19) Fluoranthene	19.076	202	52439	0.765	ng/ul	98
20) Pyrene	19.439	202	46515	0.650	ng/ul	98
21) Benzo(a)anthracene	21.195	228	25225	0.388	ng/ul#	93
22) Chrysene	21.248	228	19946	0.280	ng/ul#	92
24) Benzo(b)fluoranthene	22.762	252	29247m	0.353	ng/ul	
25) Benzo(k)fluoranthene	22.800	252	11012m	0.137	ng/ul	
26) Benzo(a)pyrene	23.326	252	21491	0.373	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.662	276	15916	0.176	ng/ul	93
28) Dibenzo(a,h)anthracene	25.668	278	3893	0.058	ng/ul#	8
29) Benzo(g,h,i)perylene	26.349	276	15949	0.222	ng/ul#	87

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032332.D
Acq On : 29 Jun 2024 02:40
Operator : MA/JU
Sample : P2934-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B57

Manual IntegrationsAPPROVED

Quant Time: Jun 29 03:45:36 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

