

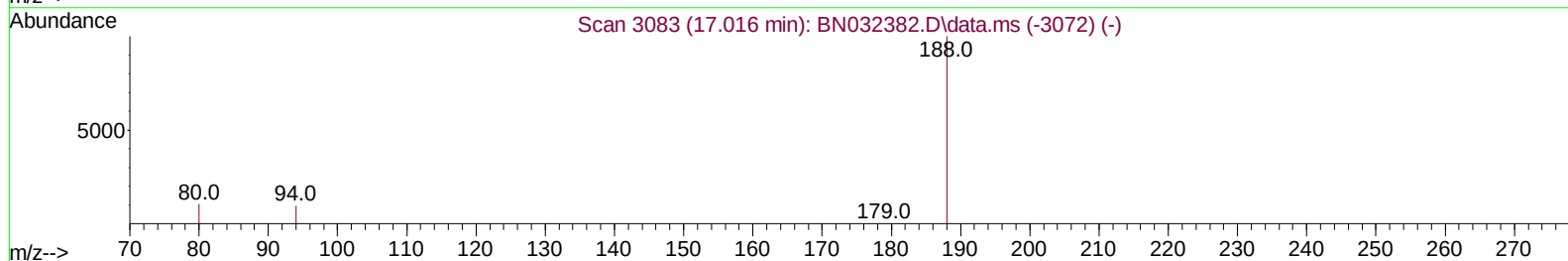
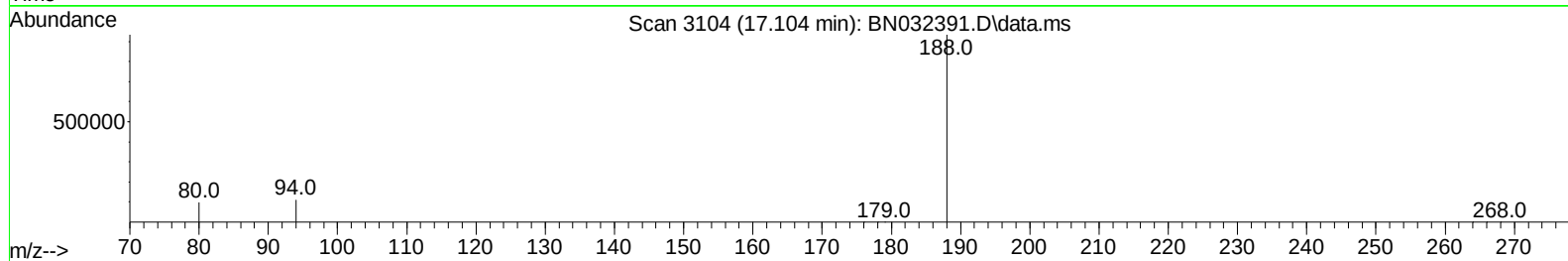
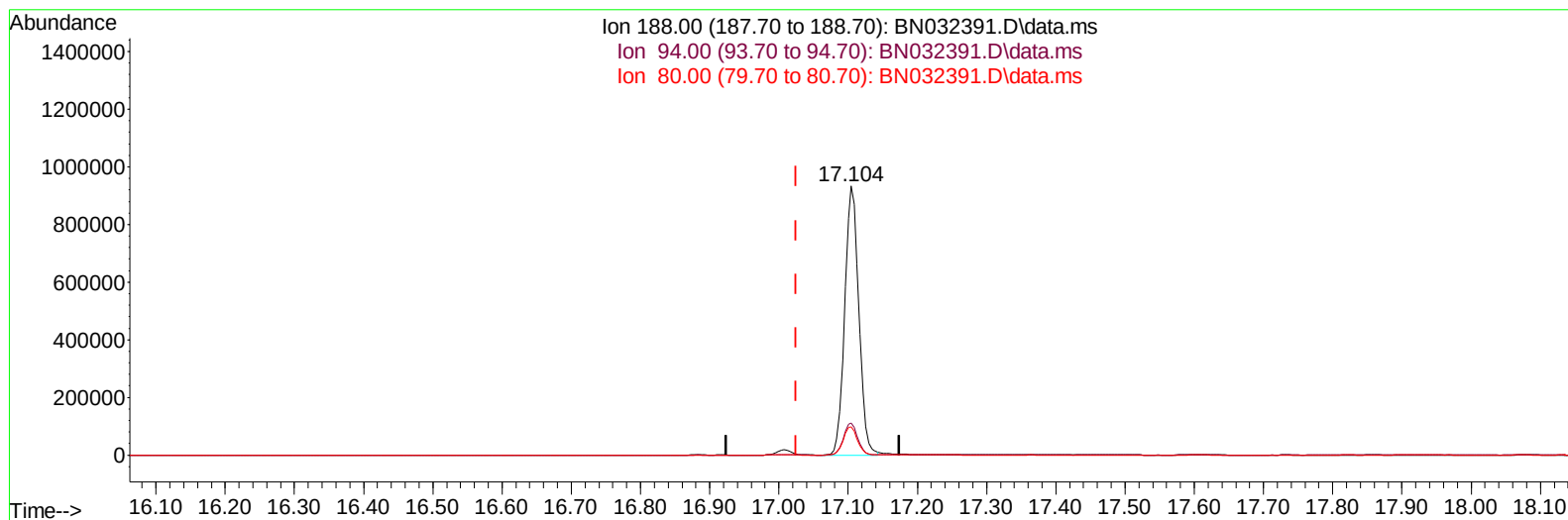
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(13) Phenanthrene-d10 (I)

17.104min (+ 0.080) 0.40 ng/u1

response 1328566

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.91
80.00	10.50	10.53
0.00	0.00	0.00

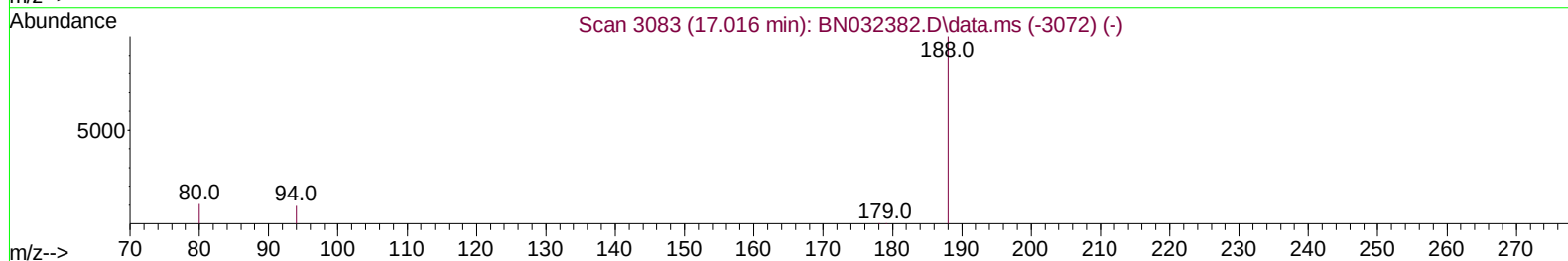
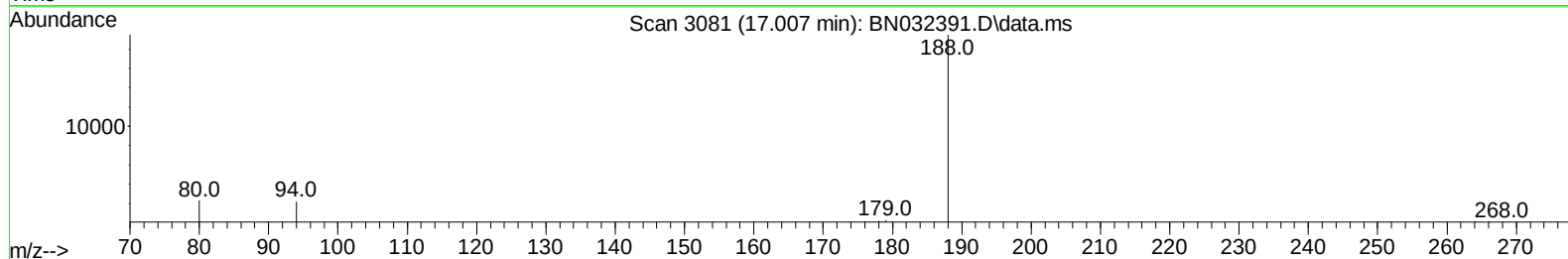
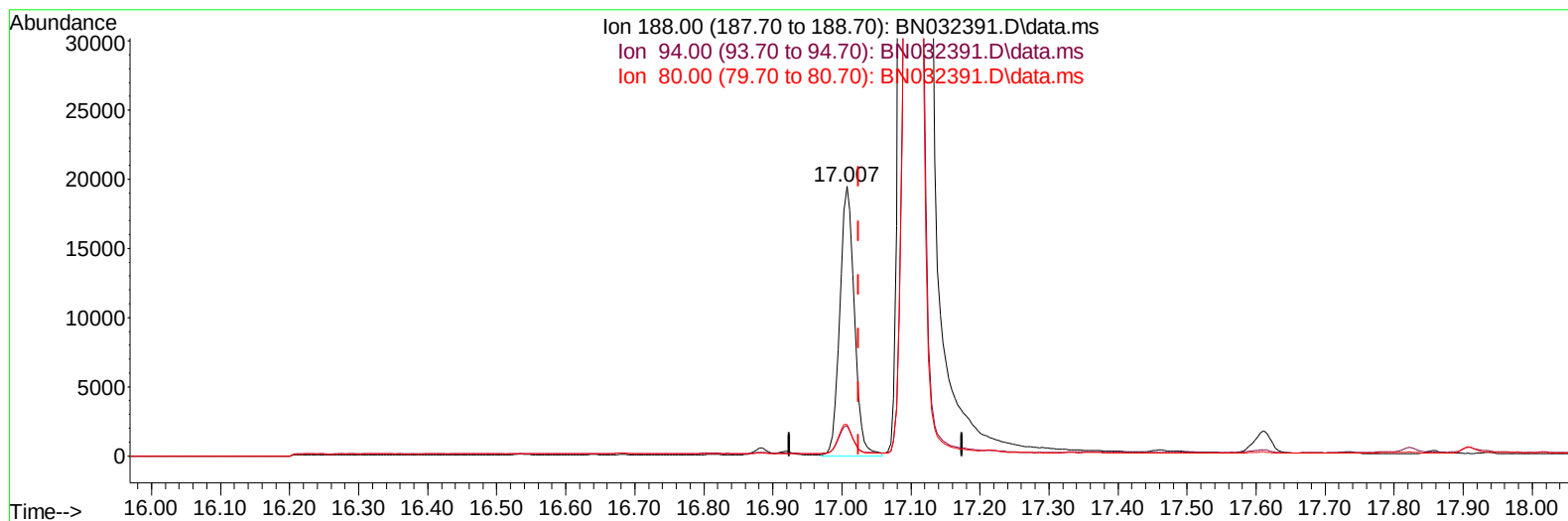
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(13) Phenanthrene-d10 (I)

17.007min (-0.017) 0.40 ng/ul m

response 28486

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.12
80.00	10.50	11.71
0.00	0.00	0.00

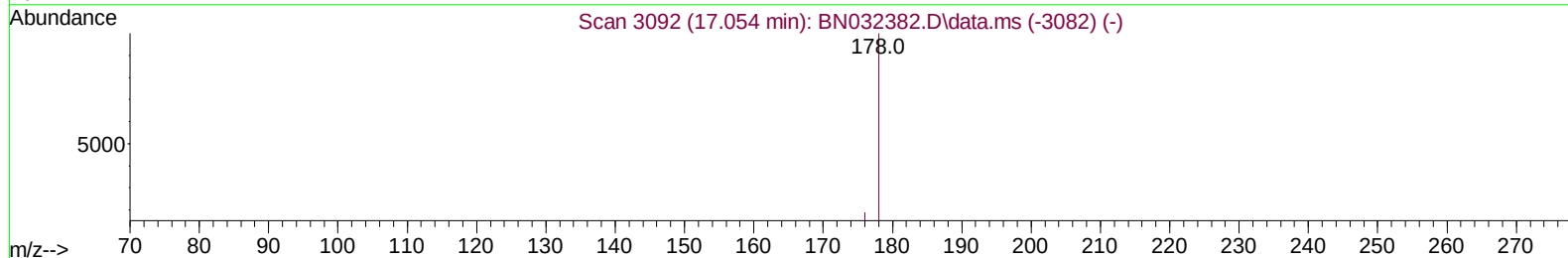
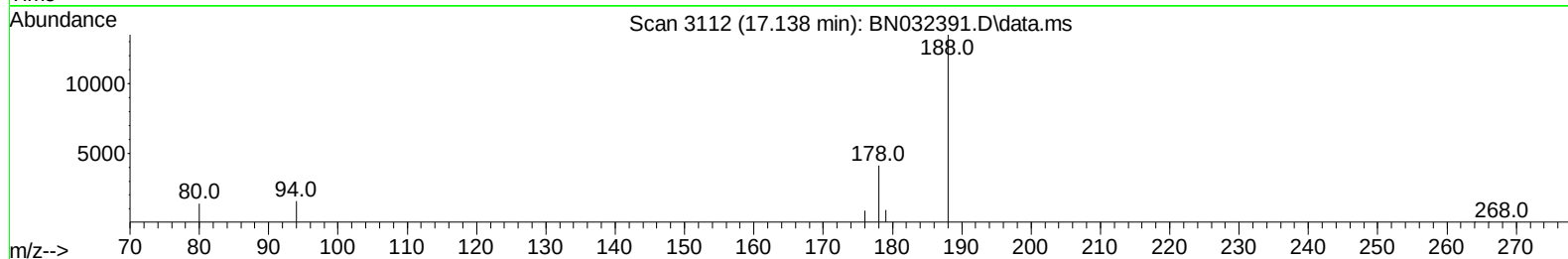
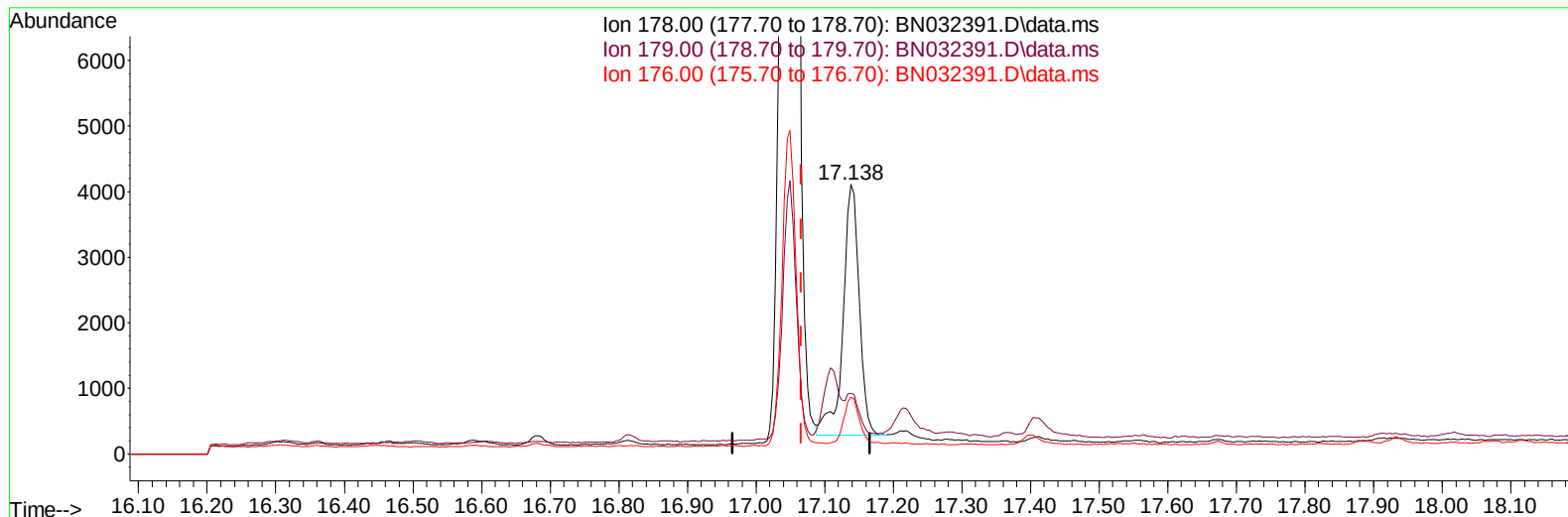
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(15) Phenanthrene

17.138min (+ 0.071) 0.08 ng/ul

response 6287

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	22.51#
176.00	19.50	21.12
0.00	0.00	0.00

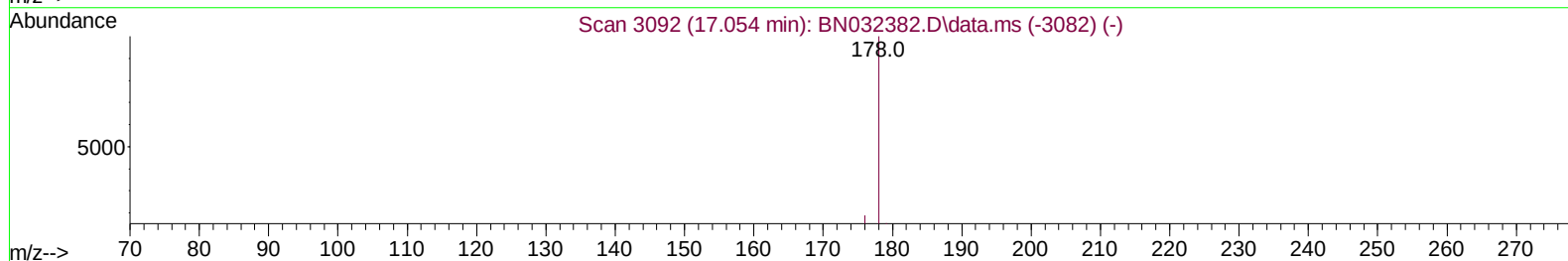
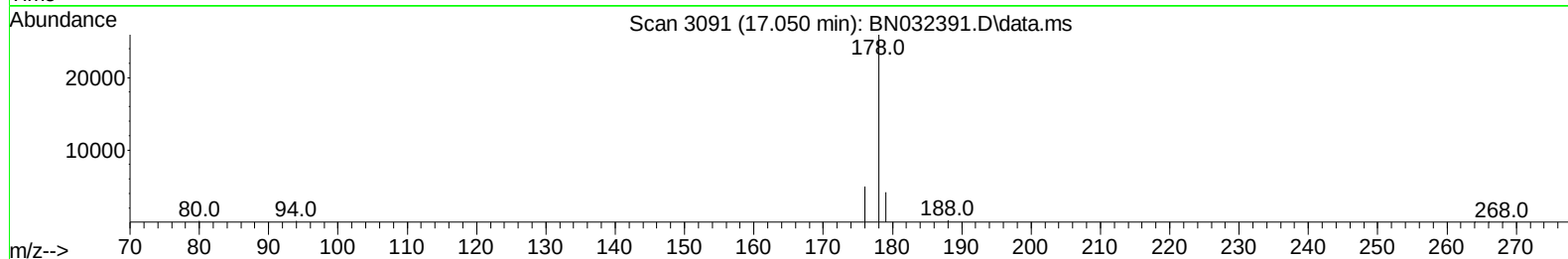
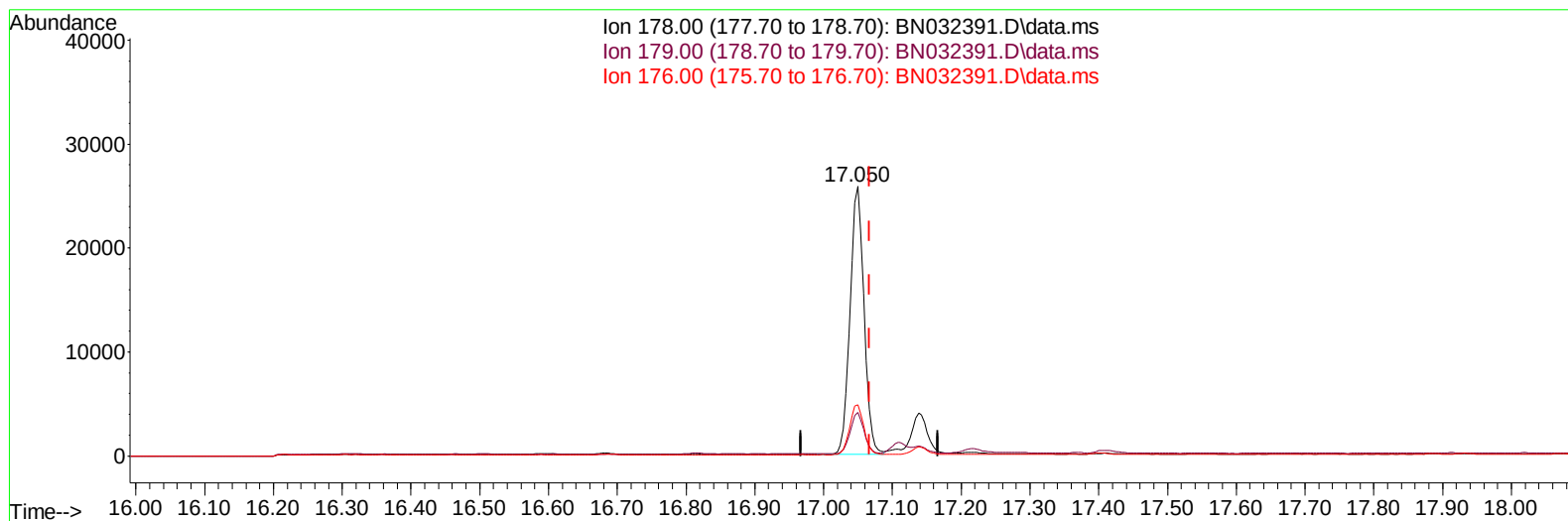
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032391.D
 Acq On : 02 Jul 2024 09:21
 Operator : MA/JU
 Sample : P2871-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(15) Phenanthrene

17.050min (-0.017) 0.47 ng/ul m

response 36586

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.08
176.00	19.50	19.04
0.00	0.00	0.00

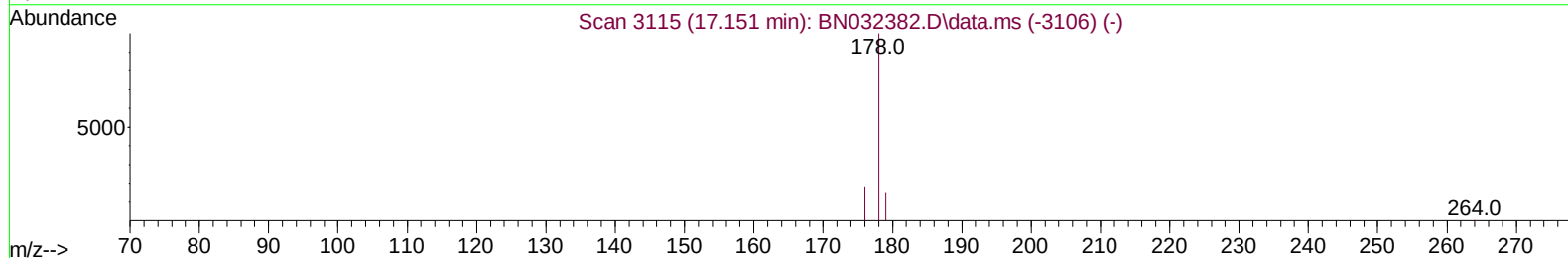
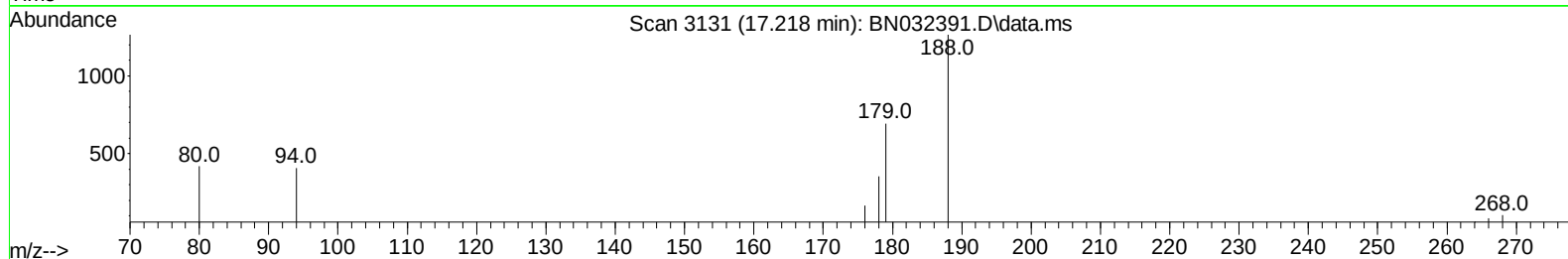
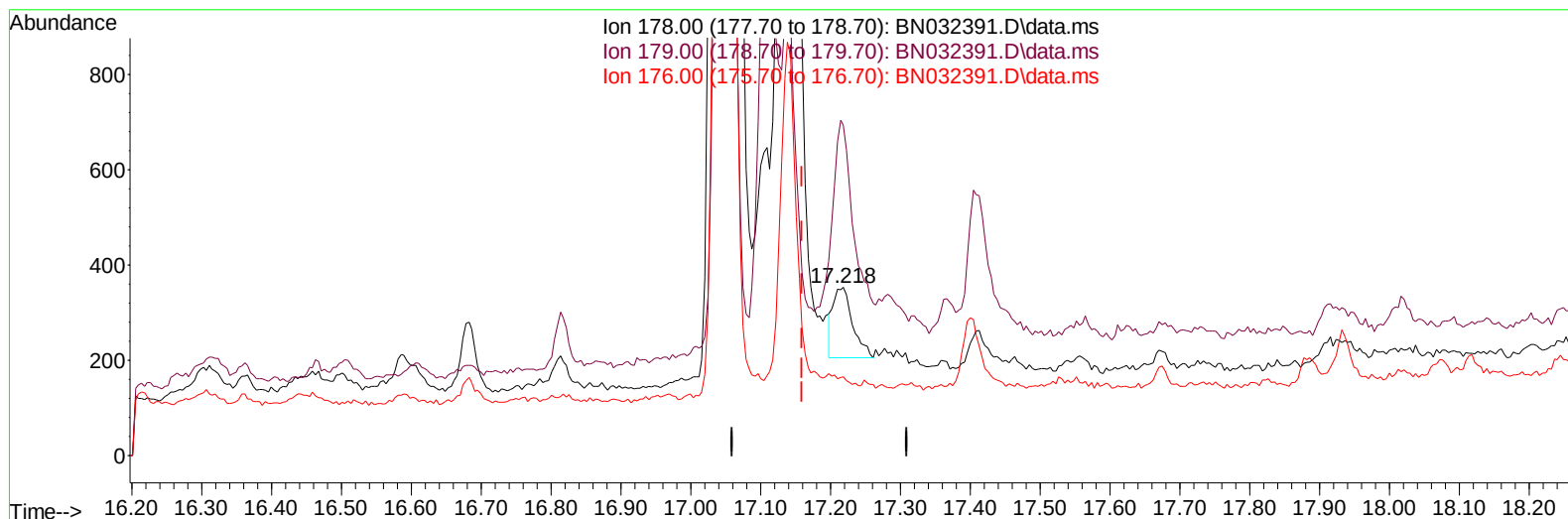
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(16) Anthracene

17.218min (+ 0.059) 0.00 ng/u1

response 289

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	196.60#
176.00	18.80	47.03#
0.00	0.00	0.00

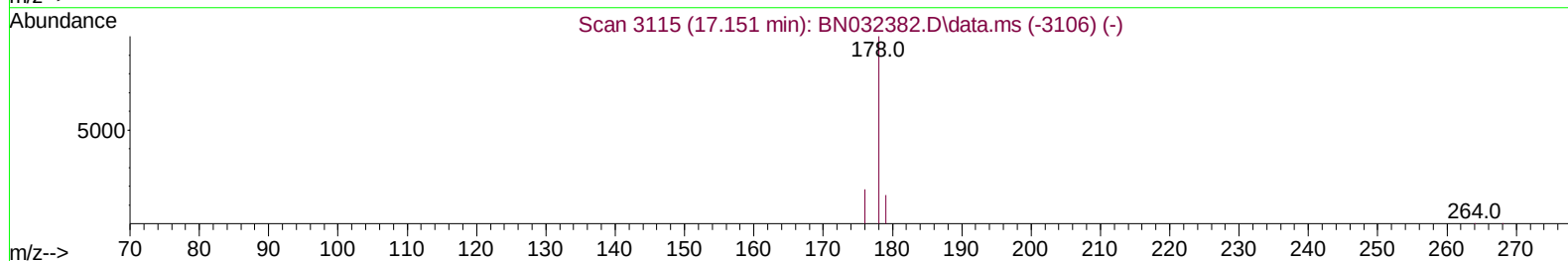
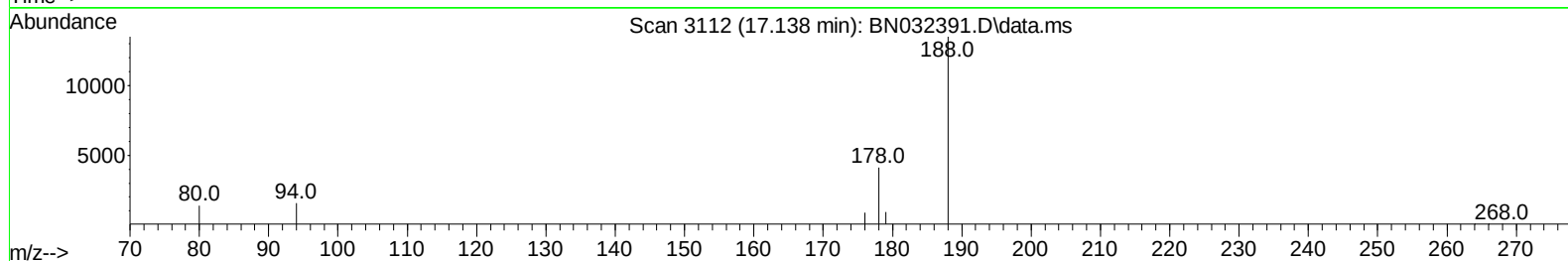
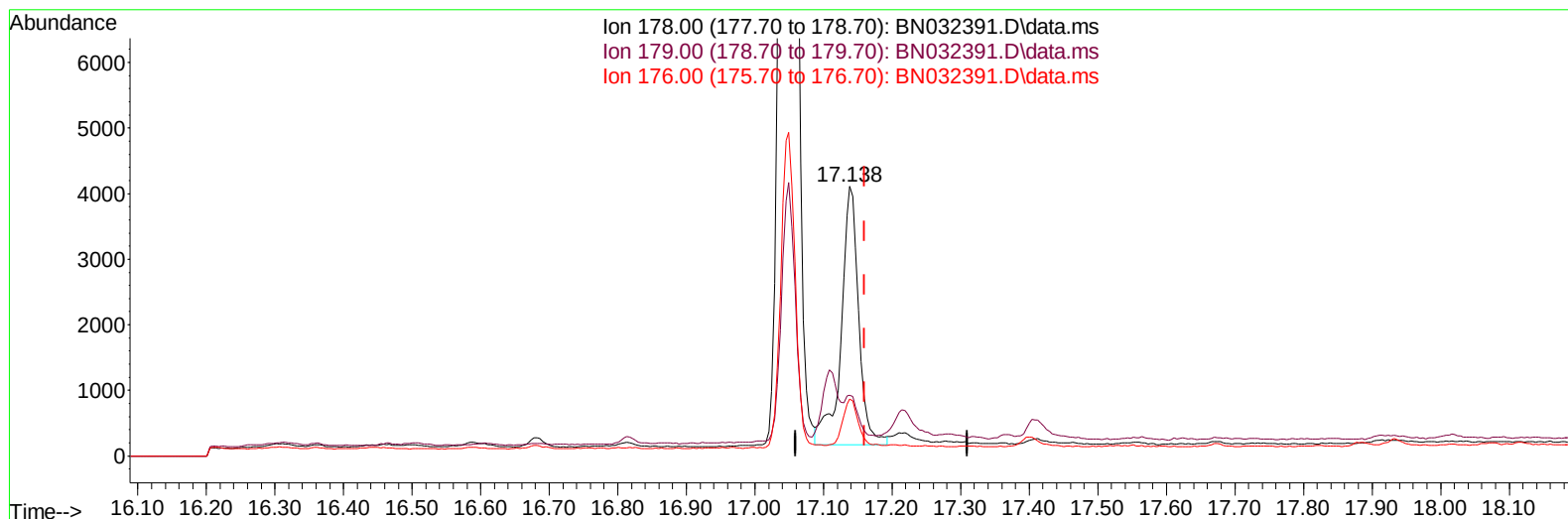
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032391.D
 Acq On : 02 Jul 2024 09:21
 Operator : MA/JU
 Sample : P2871-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(16) Anthracene

17.138min (-0.021) 0.10 ng/ul m

response 7012

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	22.51#
176.00	18.80	21.12
0.00	0.00	0.00

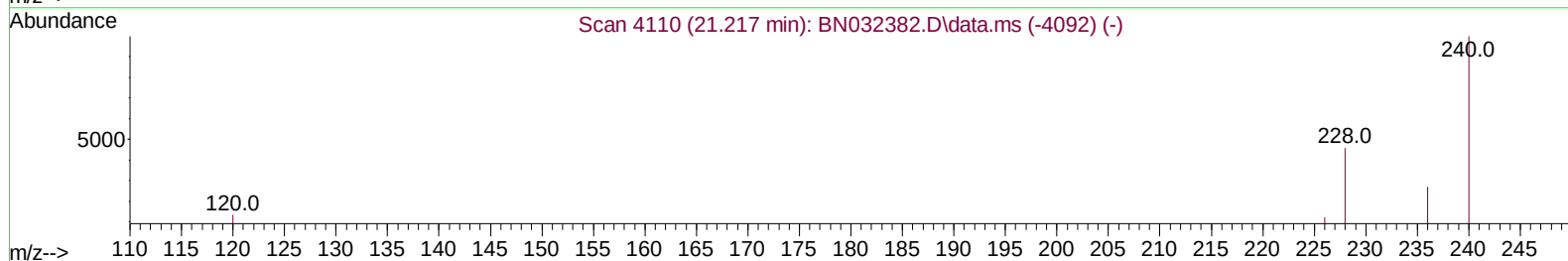
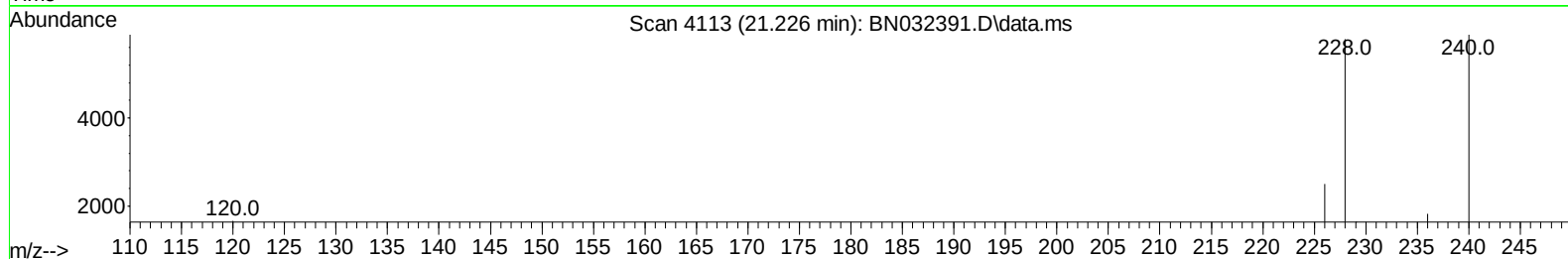
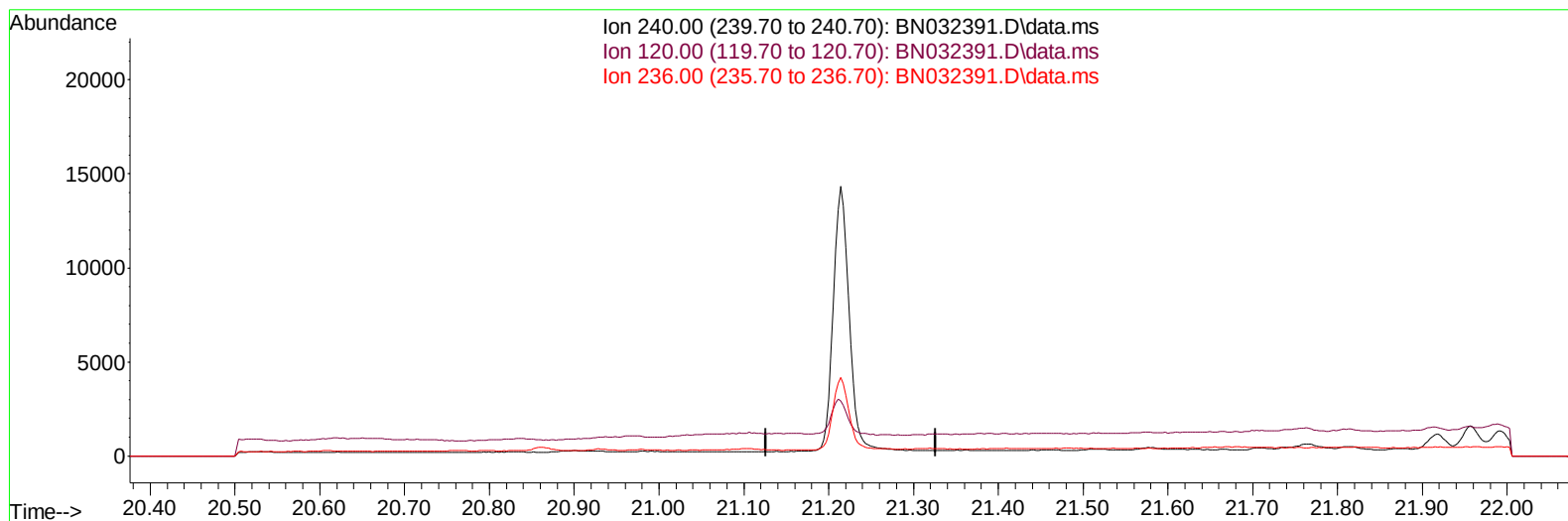
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

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

Quant Time: Jul 02 12:40:40 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: BN032391.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

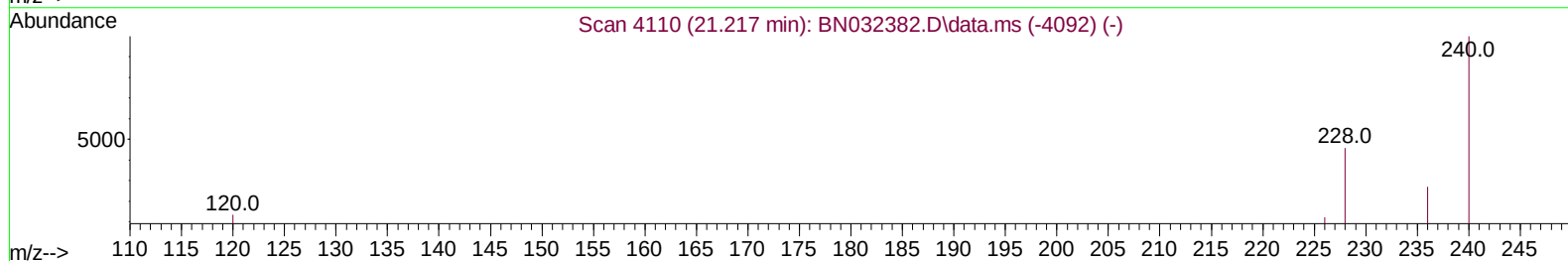
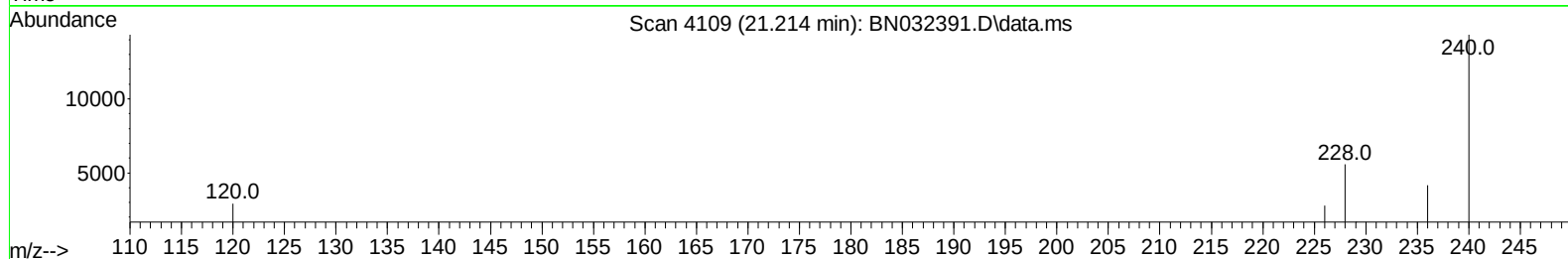
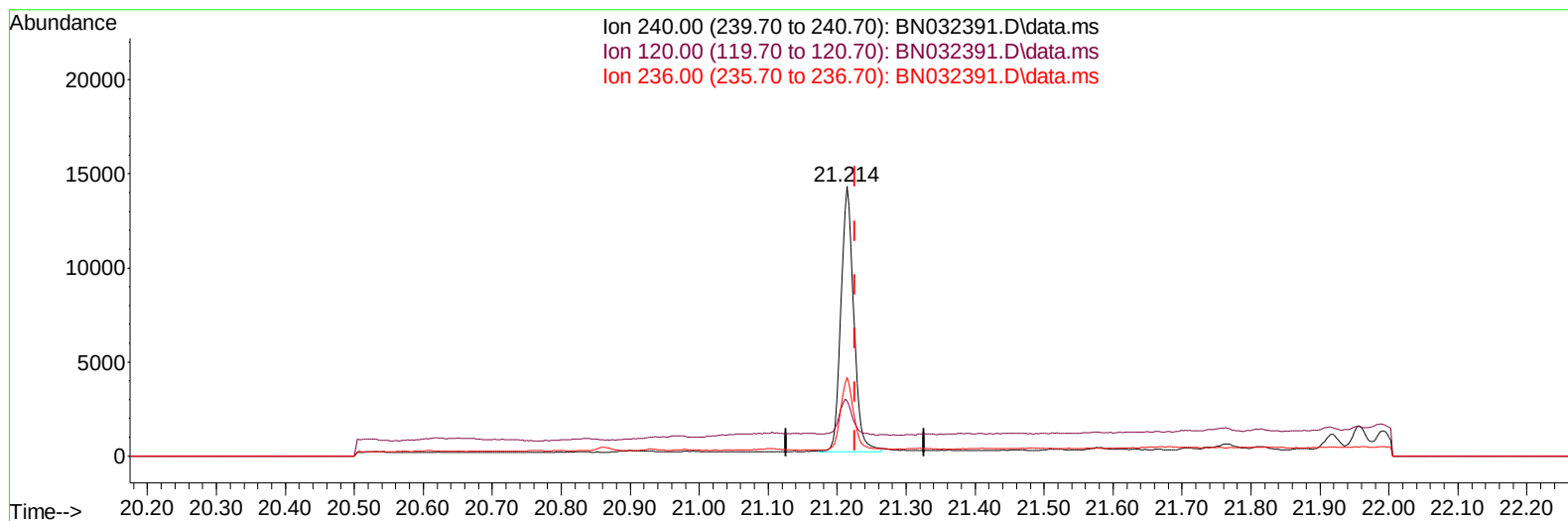
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

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

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(17) Chrysene-d12

21.214min (-0.012) 0.40 ng/ul m

response 18308

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	20.42#
236.00	28.40	29.07
0.00	0.00	0.00

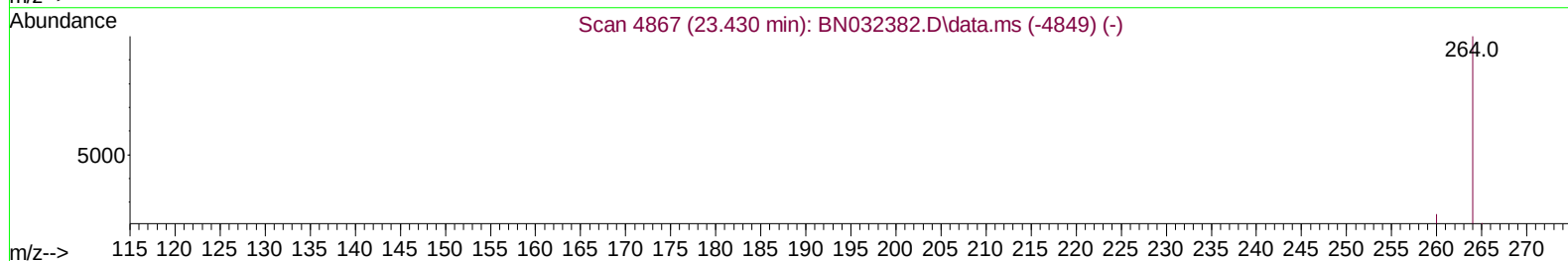
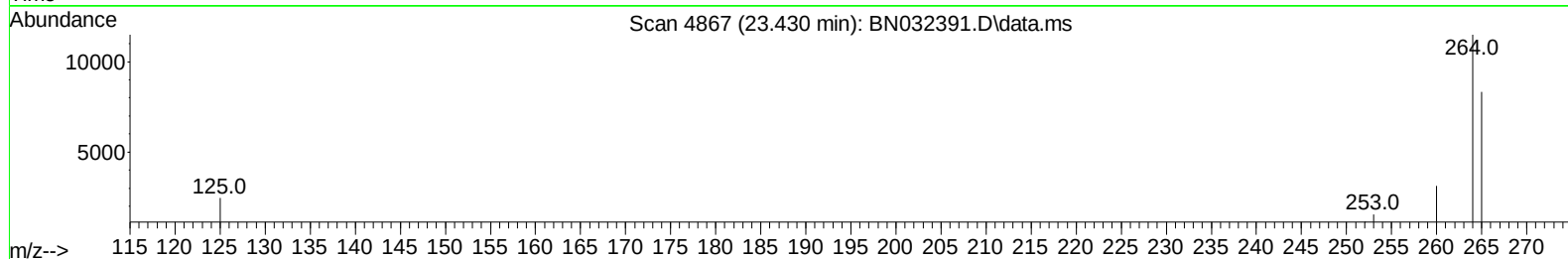
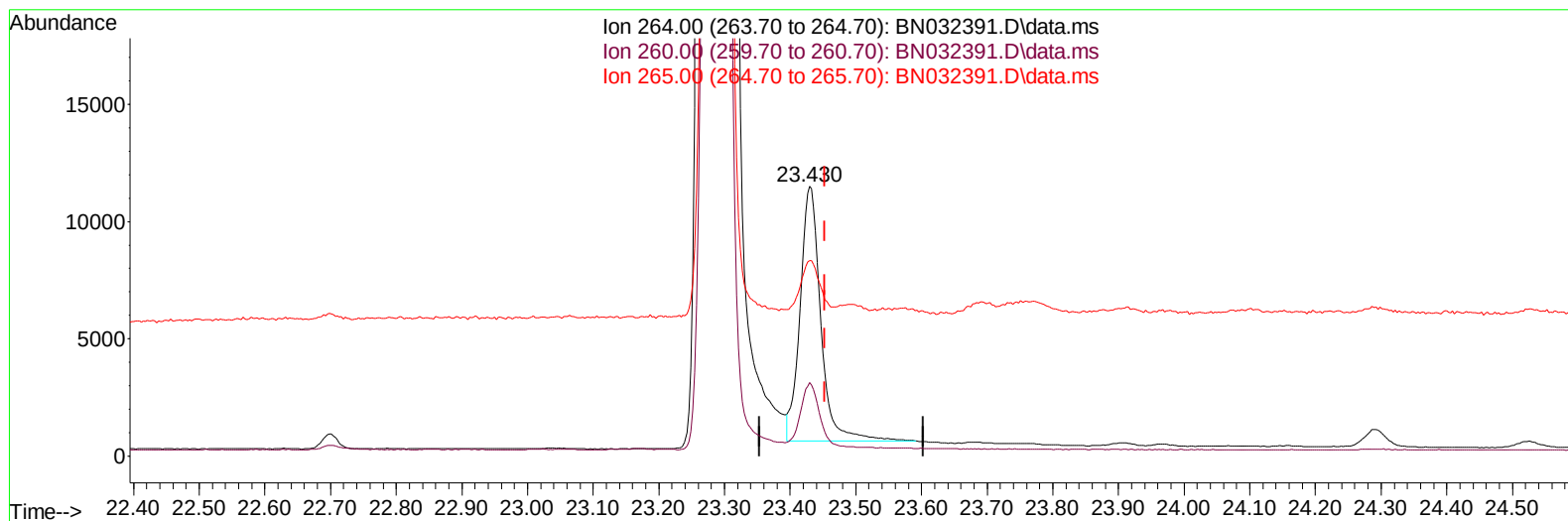
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.024) 0.40 ng/u1

response 23845

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.20
265.00	67.20	72.43
0.00	0.00	0.00

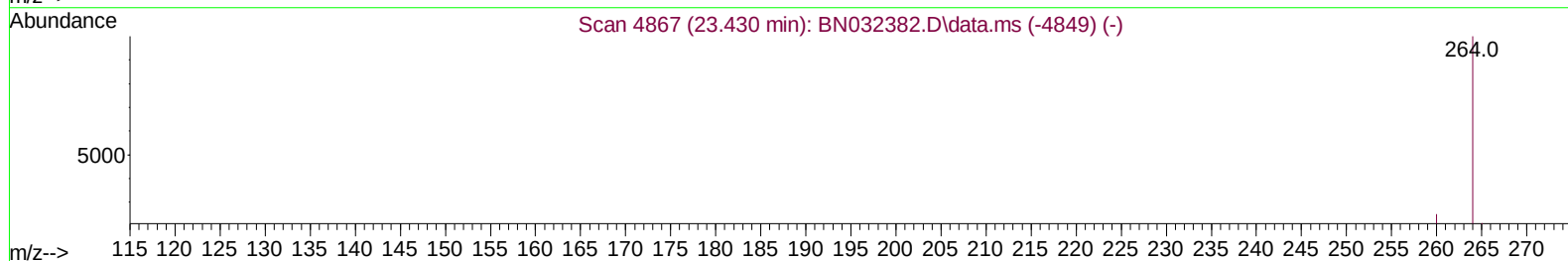
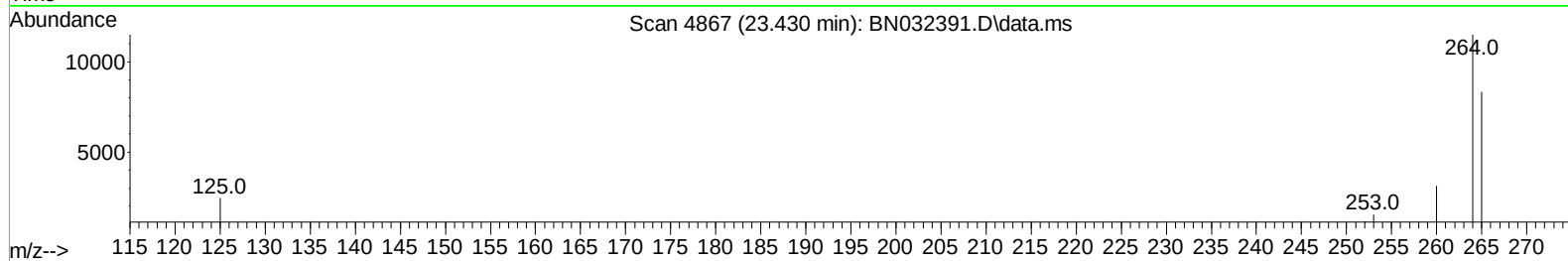
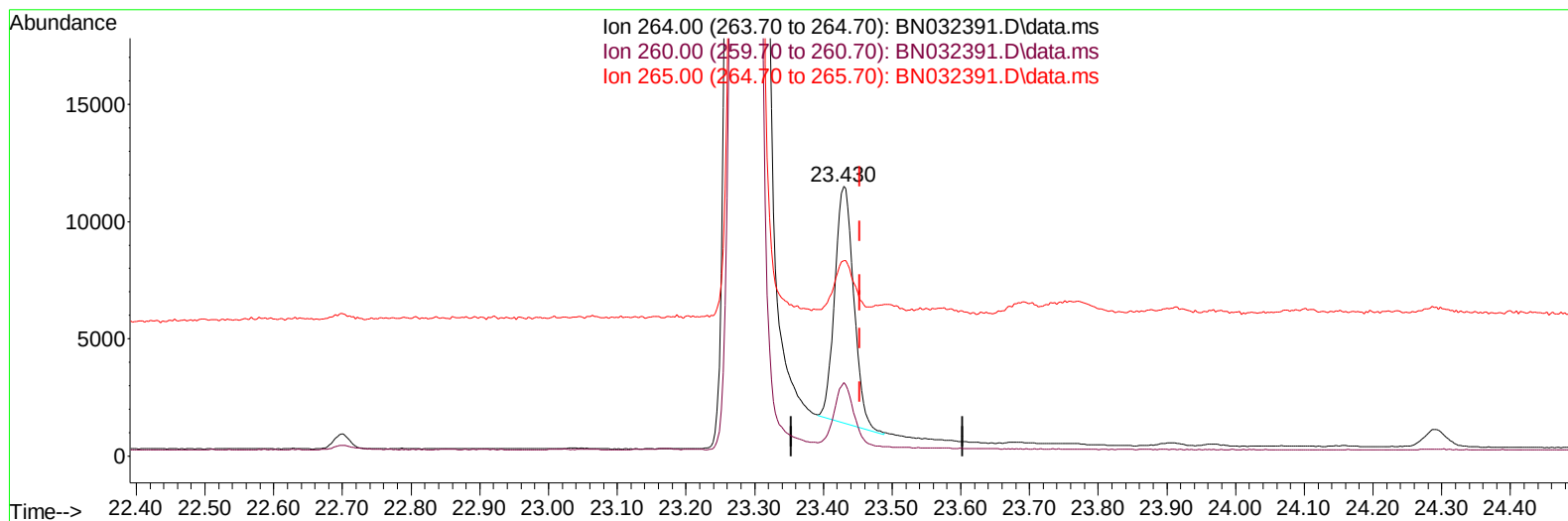
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

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

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.024) 0.40 ng/ul m

response 19459

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.20
265.00	67.20	72.43
0.00	0.00	0.00

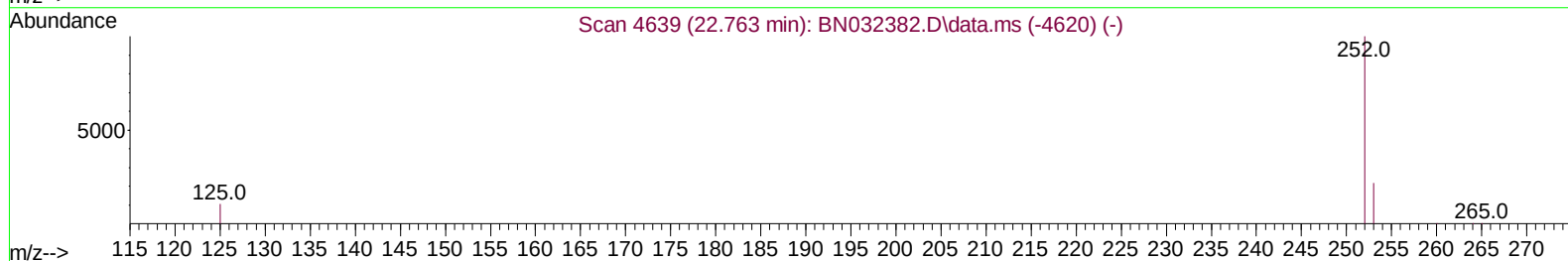
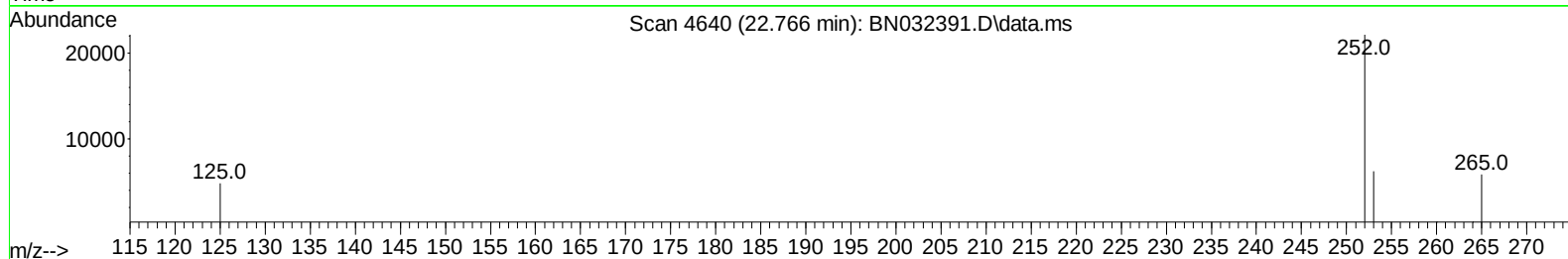
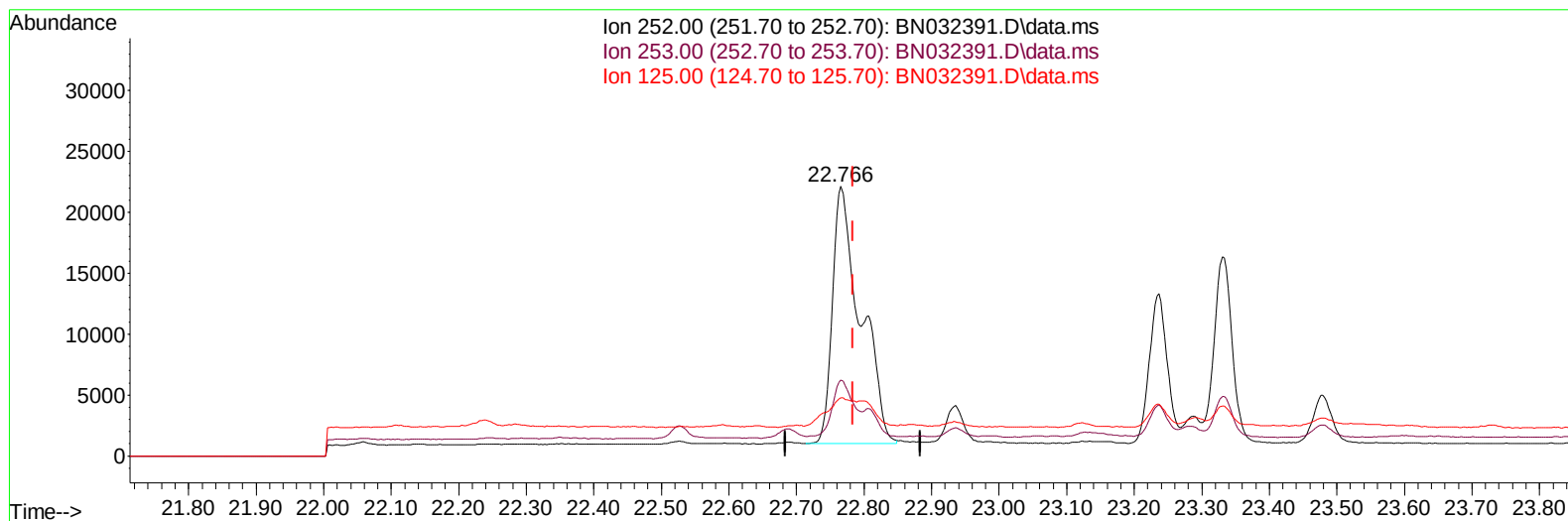
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(24) Benzo(b)fluoranthene

22.766min (-0.018) 0.72 ng/u1

response 60817

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	28.09
125.00	16.00	21.60
0.00	0.00	0.00

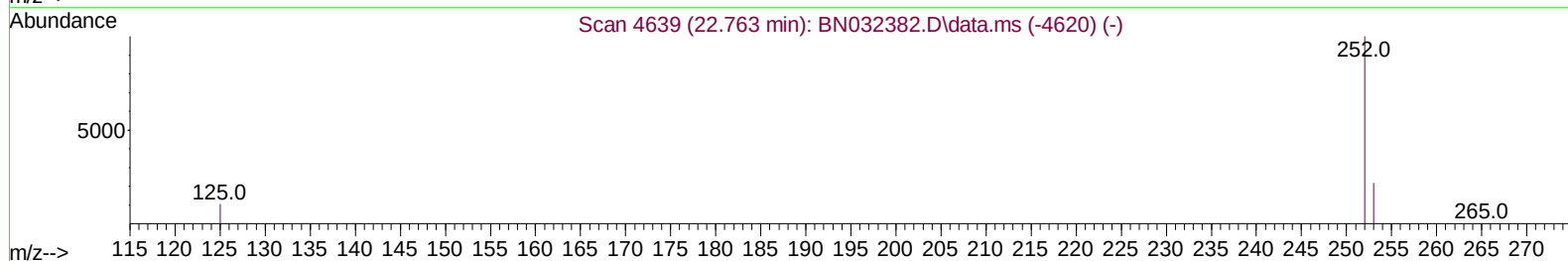
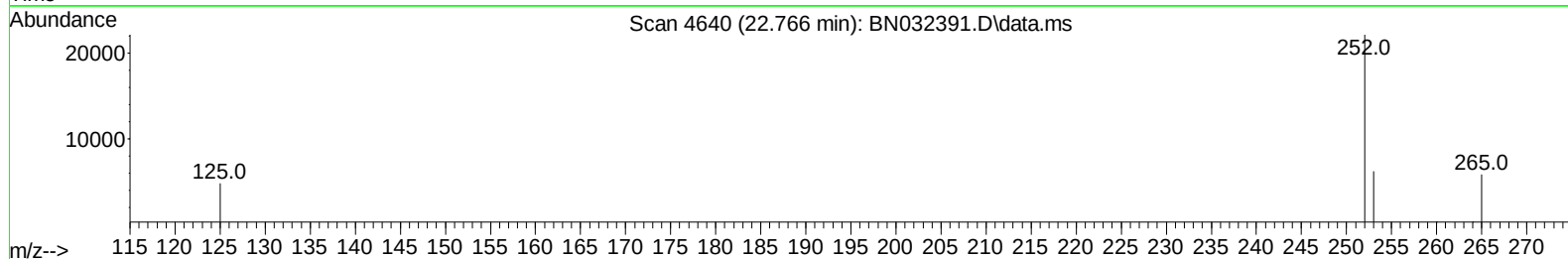
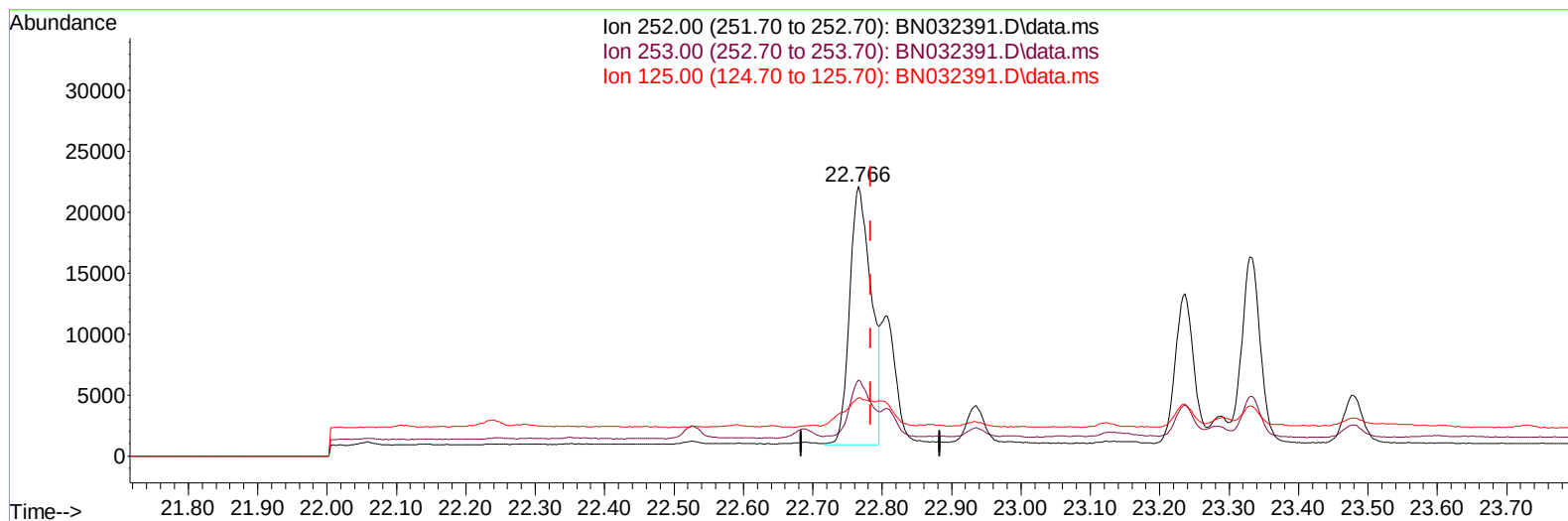
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(24) Benzo(b)fluoranthene

22.766min (-0.018) 0.54 ng/ul m

response 45716

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	28.09
125.00	16.00	21.60
0.00	0.00	0.00

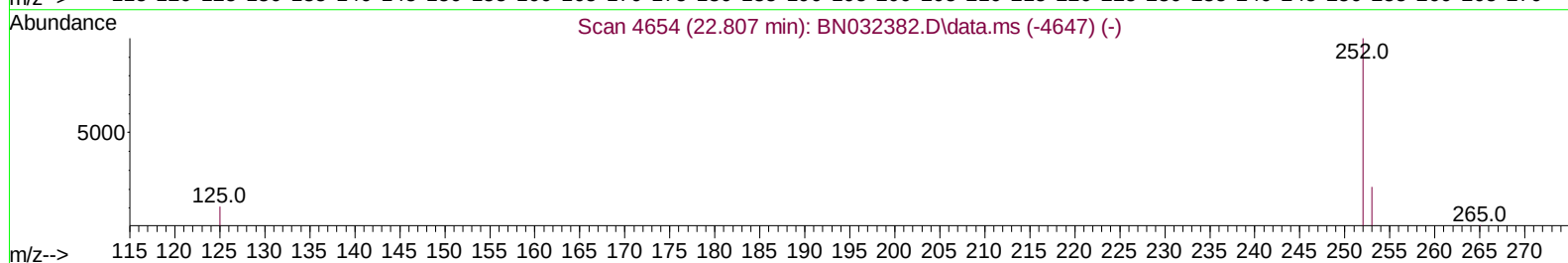
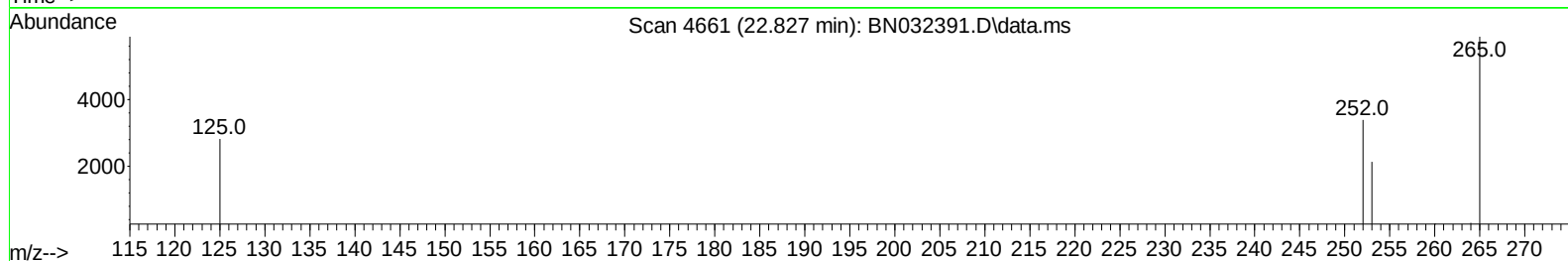
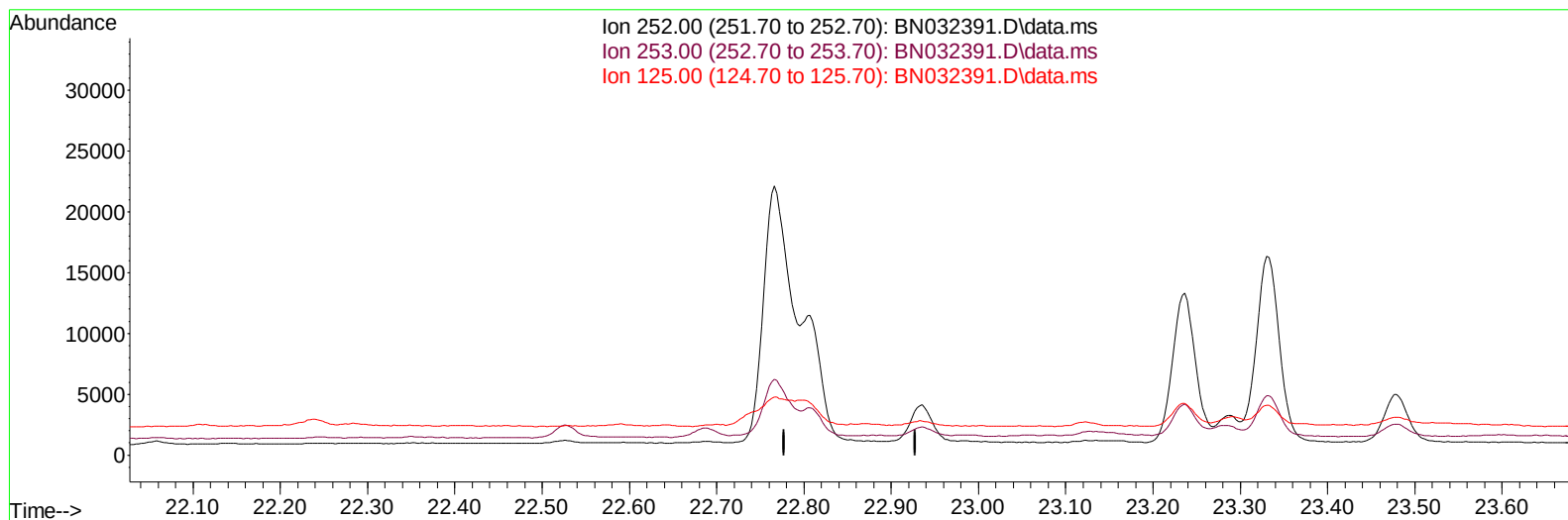
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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: BN032391.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

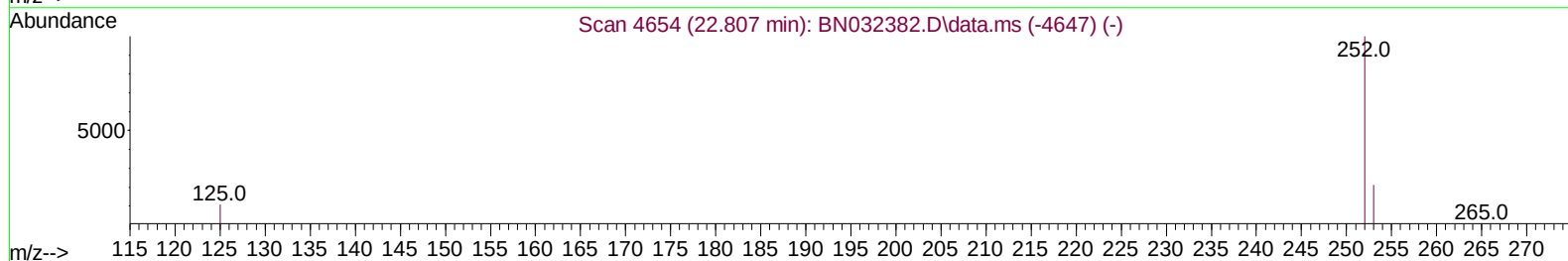
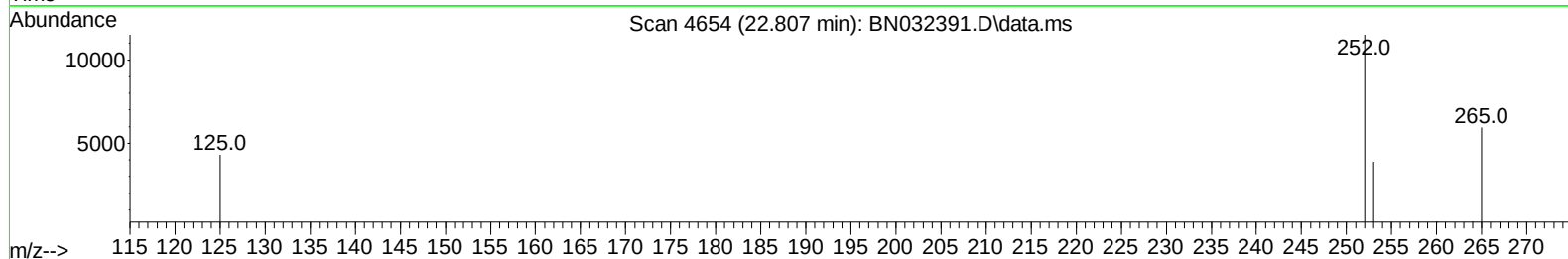
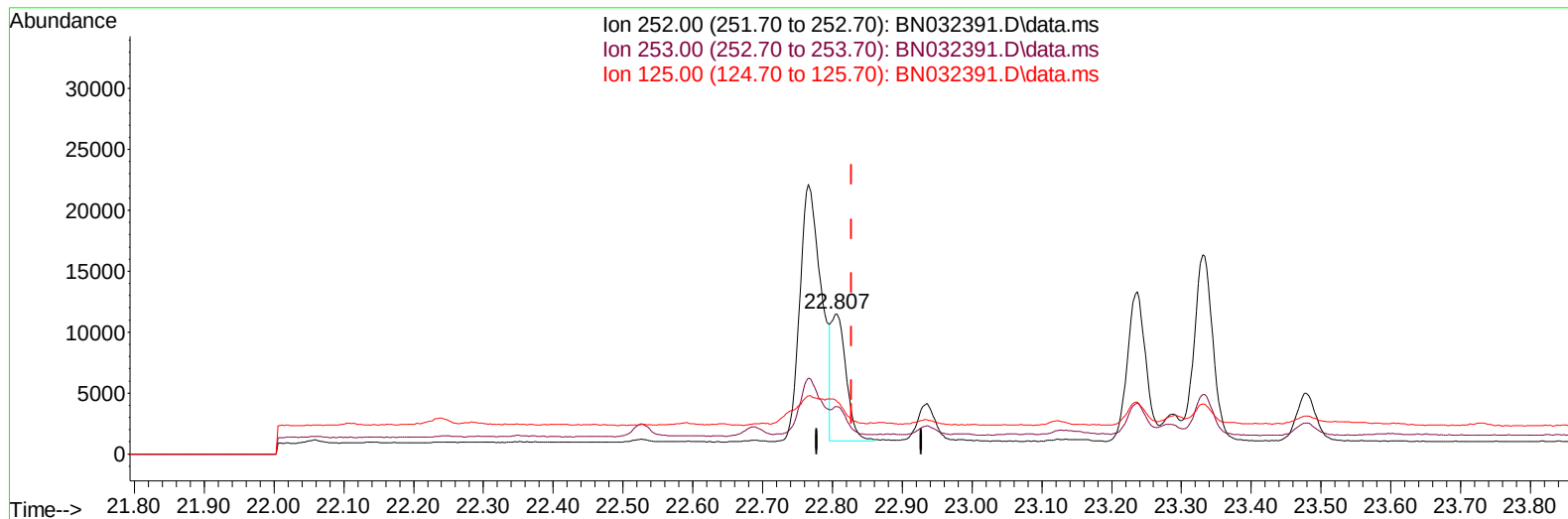
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

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

Quant Time: Jul 02 12:40:40 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: BN032391.D\data.ms

(25) Benzo(k)fluoranthene

22.807min (-0.021) 0.19 ng/ul m

response 15610

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	33.74#
125.00	16.00	37.36#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032391.D
 Acq On : 02 Jul 2024 09:21
 Operator : MA/JU
 Sample : P2871-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	8115	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.382	136	26359	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.253	164	15281	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.007	188	28486m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.214	240	18308m	0.400	ng/ul	-0.01
23) Perylene-d12	23.430	264	19459m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.147	96	25602	2.838	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.976	152	8901	0.225	ng/ul	-0.02
18) Fluoranthene-d10	19.045	212	16335	0.297	ng/ul	-0.01
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.971	152	2624	0.041	ng/ul#	83
11) Acenaphthene	14.318	153	1399	0.028	ng/ul	97
12) Fluorene	15.308	166	1810	0.031	ng/ul#	97
15) Phenanthrene	17.050	178	36586m	0.468	ng/ul	
16) Anthracene	17.138	178	7012m	0.101	ng/ul	
19) Fluoranthene	19.073	202	73277	1.051	ng/ul	97
20) Pyrene	19.440	202	60666	0.833	ng/ul	99
21) Benzo(a)anthracene	21.200	228	26468	0.401	ng/ul	94
22) Chrysene	21.249	228	31151	0.430	ng/ul	95
24) Benzo(b)fluoranthene	22.766	252	45716m	0.541	ng/ul	
25) Benzo(k)fluoranthene	22.807	252	15610m	0.190	ng/ul	
26) Benzo(a)pyrene	23.330	252	28499	0.485	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.663	276	24403	0.265	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.666	278	5386	0.079	ng/ul#	29
29) Benzo(g,h,i)perylene	26.350	276	23961	0.327	ng/ul#	91

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032391.D
Acq On : 02 Jul 2024 09:21
Operator : MA/JU
Sample : P2871-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C55

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:40:40 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

