

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B93

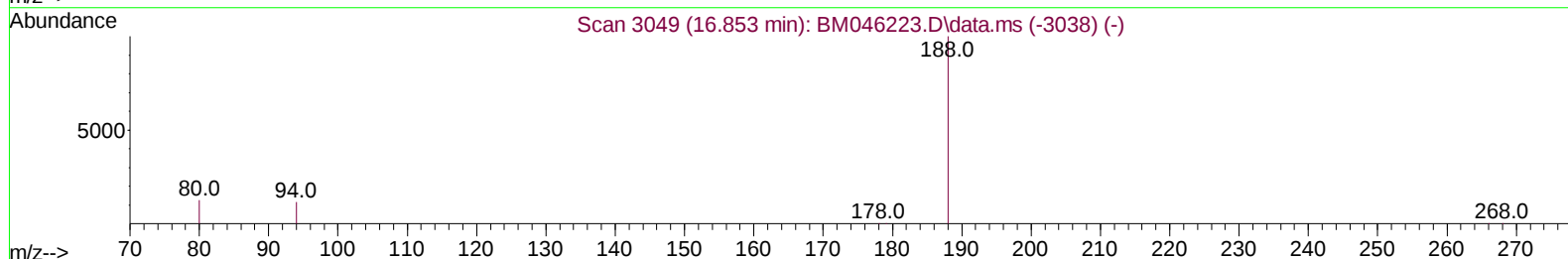
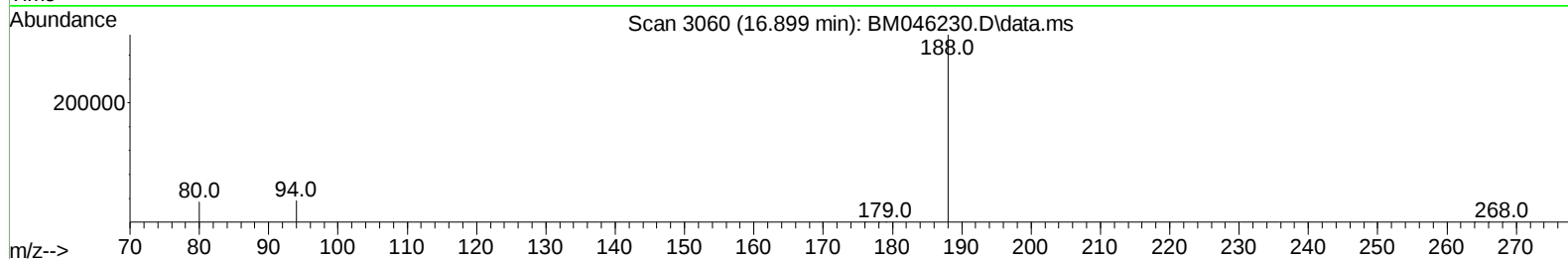
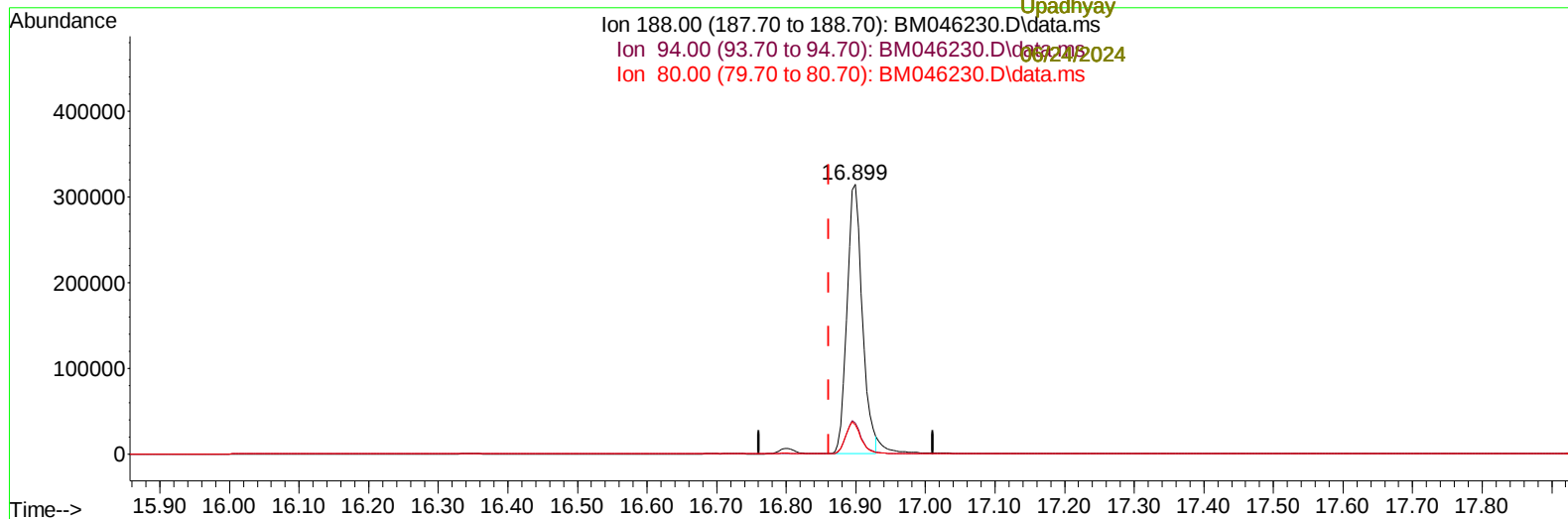
Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

06/24/2024
Supervised By :Jagrut
Upadhyay

Ion 188.00 (187.70 to 188.70): BM046230.D\data.ms
Ion 94.00 (93.70 to 94.70): BM046230.D\data.ms
Ion 80.00 (79.70 to 80.70): BM046230.D\data.ms



TIC: BM046230.D\data.ms

(13) Phenanthrene-d10 (I)**16.899min (+ 0.038) 0.40 ng/u1****response 478415**

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.49
80.00	15.20	10.85#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

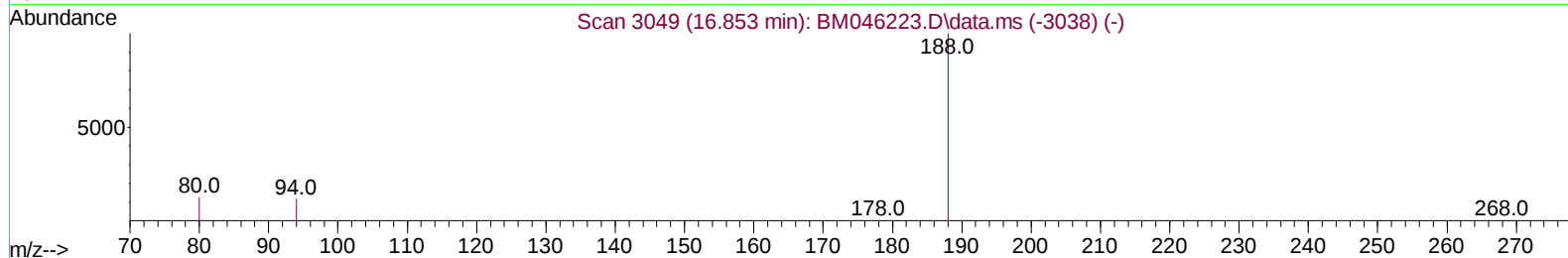
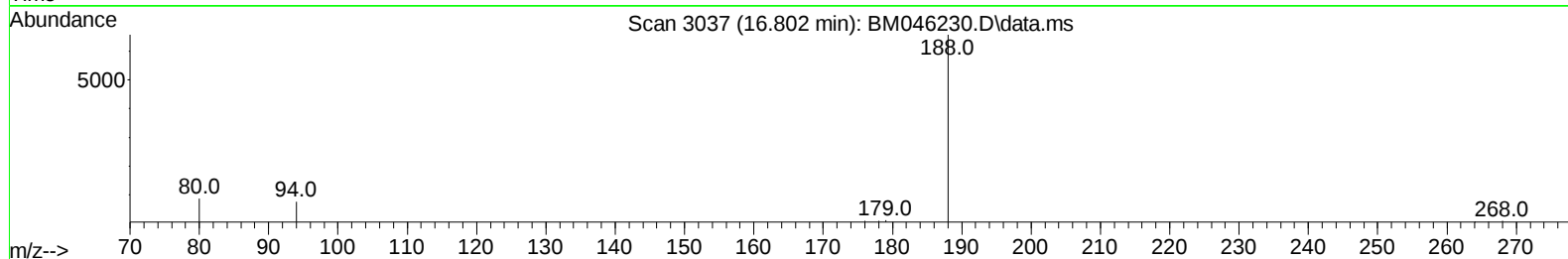
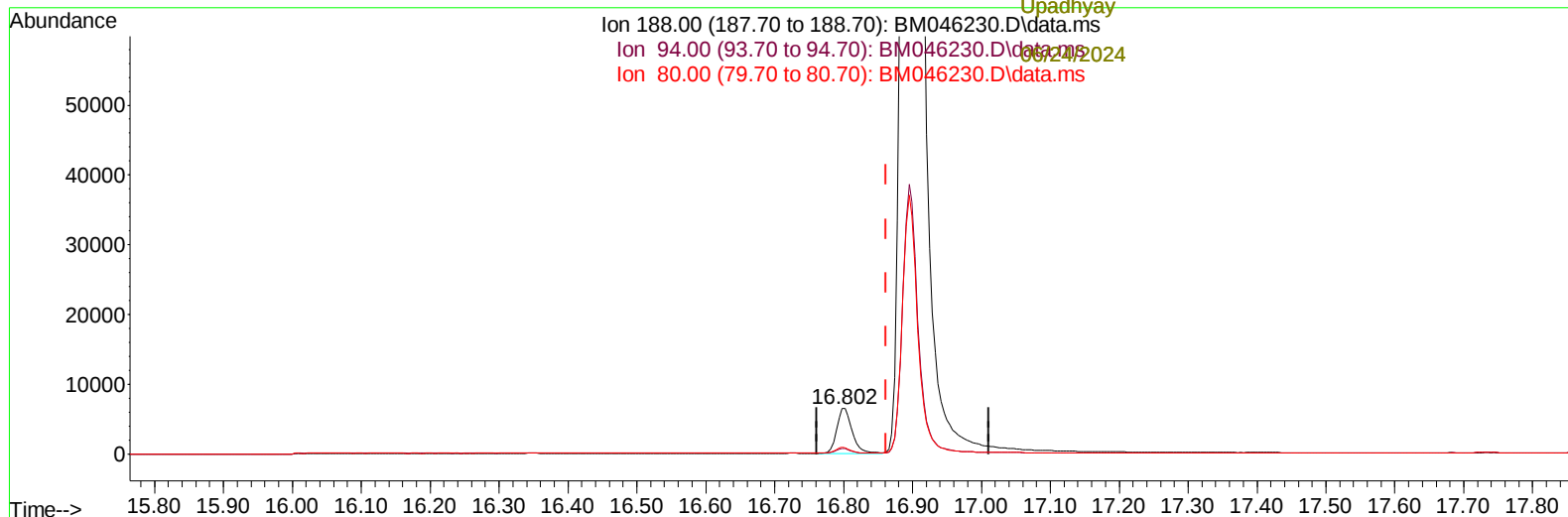
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

06/24/2024
Supervised By :Jagrut
Upadhyay



TIC: BM046230.D\data.ms

(13) Phenanthrene-d10 (I)**16.802min (-0.059) 0.40 ng/ul m****response 10083**

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.73
80.00	15.20	13.30
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

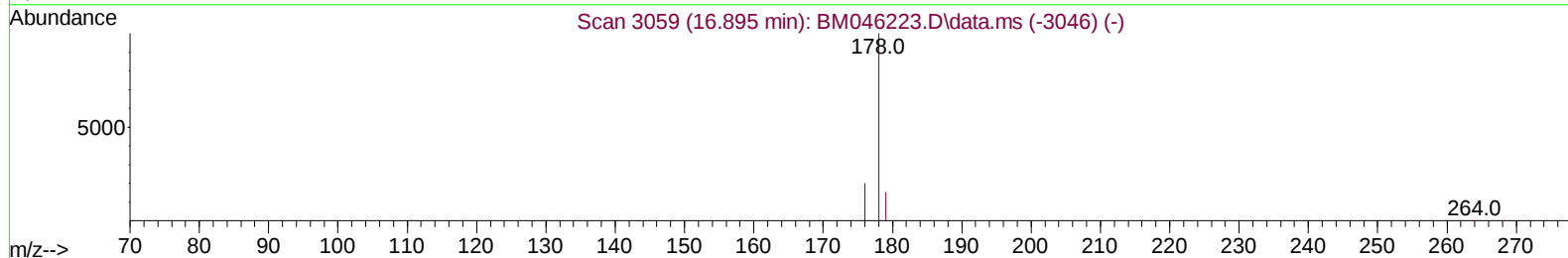
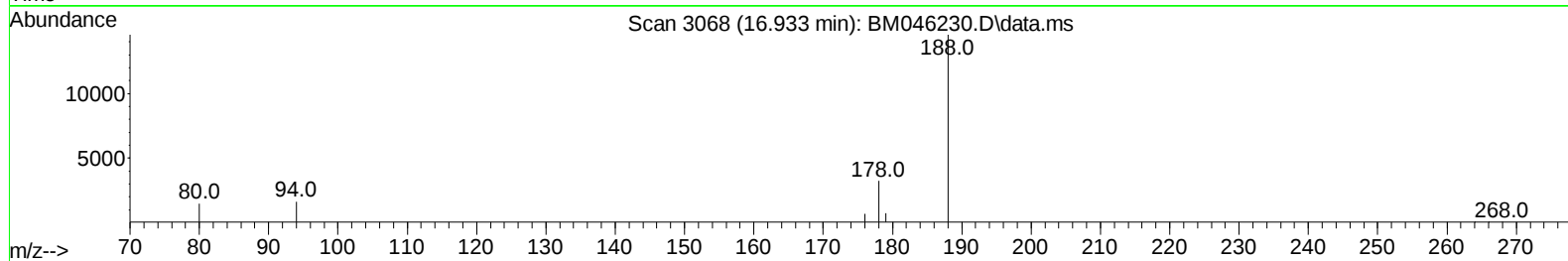
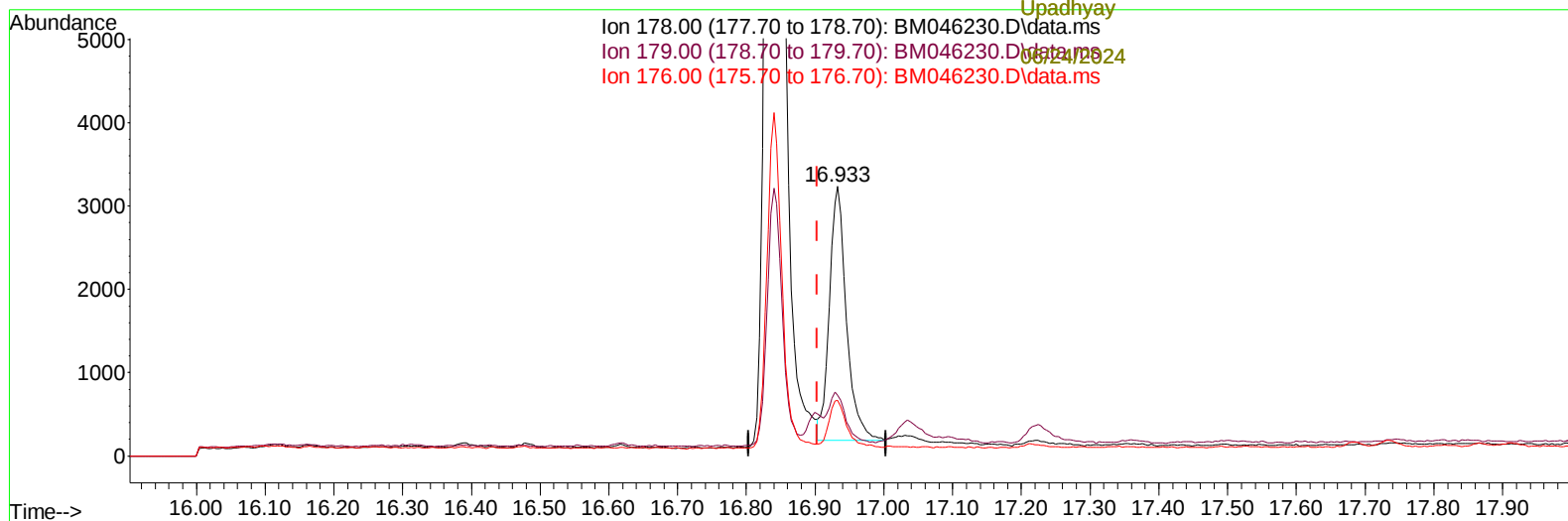
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

06/24/2024
Supervised By :Jagrut
Upadhyay



TIC: BM046230.D\data.ms

(15) Phenanthrene

16.933min (+ 0.029) 0.18 ng/u1

response 5200

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	22.67#
176.00	21.40	20.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046230.D
 Acq On : 23 Jun 2024 12:00
 Operator : MA/JU
 Sample : P2776-05
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B93

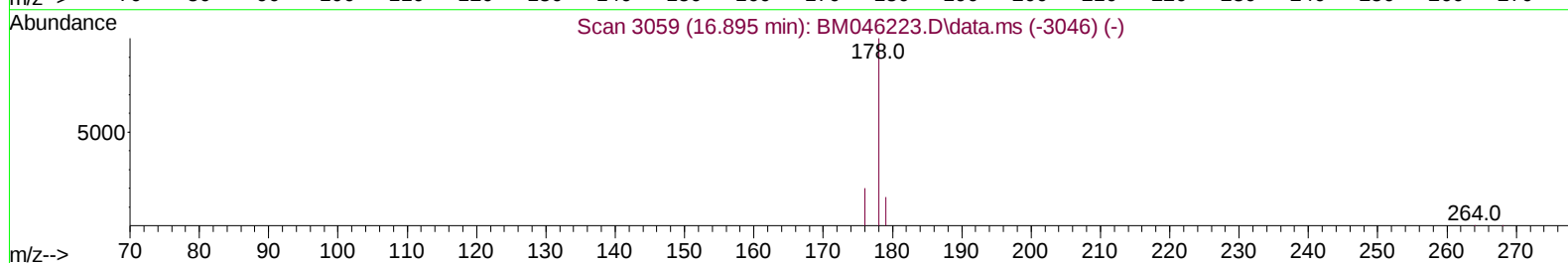
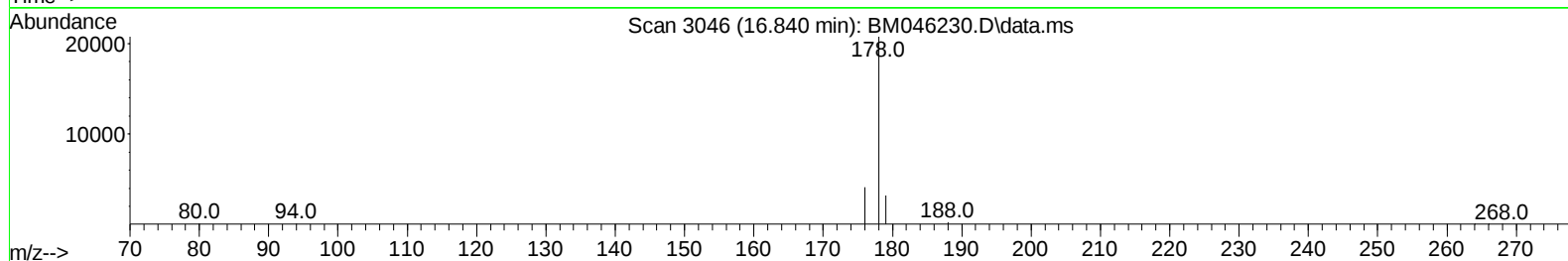
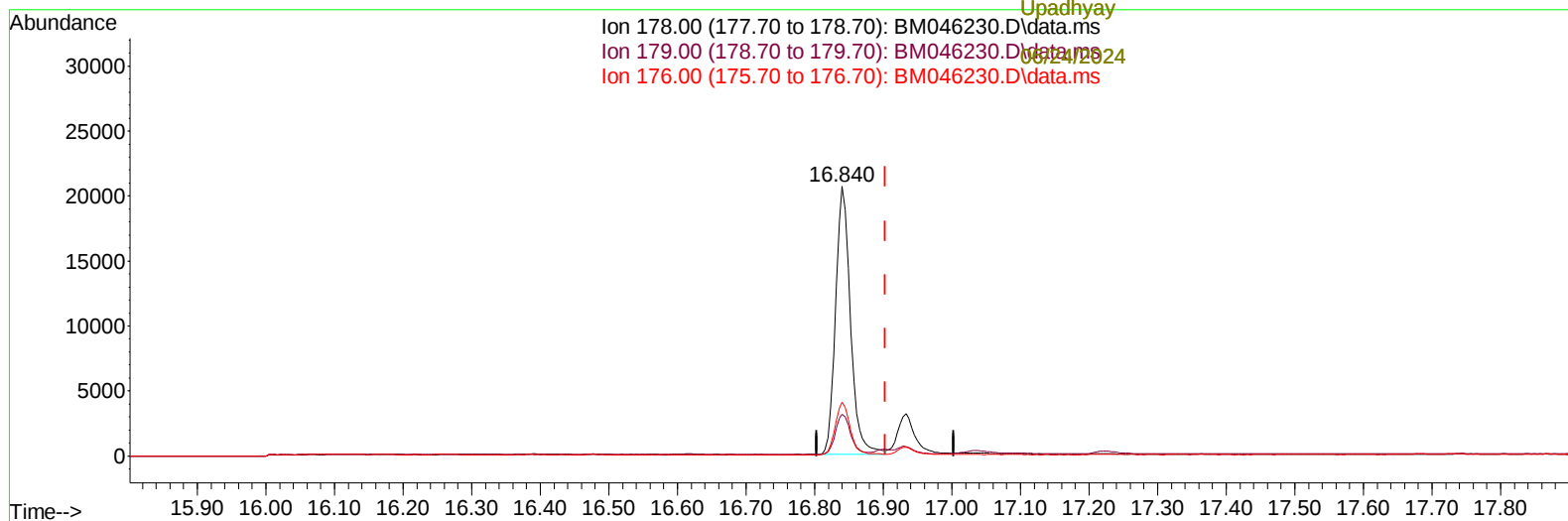
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:30:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 02:25:34 2024
 Response via : Initial Calibration

06/24/2024
 Supervised By :Jagrut
 Upadhyay

Ion 178.00 (177.70 to 178.70): BM046230.D\data.ms
 Ion 179.00 (178.70 to 179.70): BM046230.D\data.ms
 Ion 176.00 (175.70 to 176.70): BM046230.D\data.ms



TIC: BM046230.D\data.ms

(15) Phenanthrene

16.840min (-0.063) 1.10 ng/ul m

response 31130

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.52
176.00	21.40	19.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

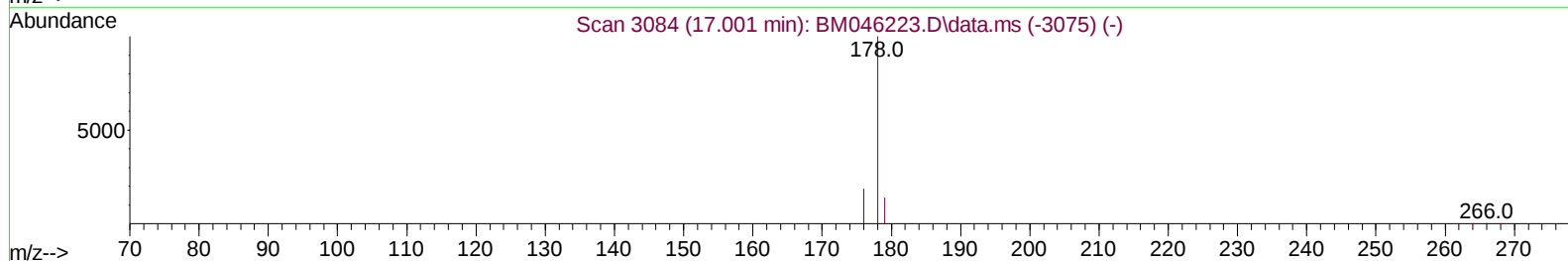
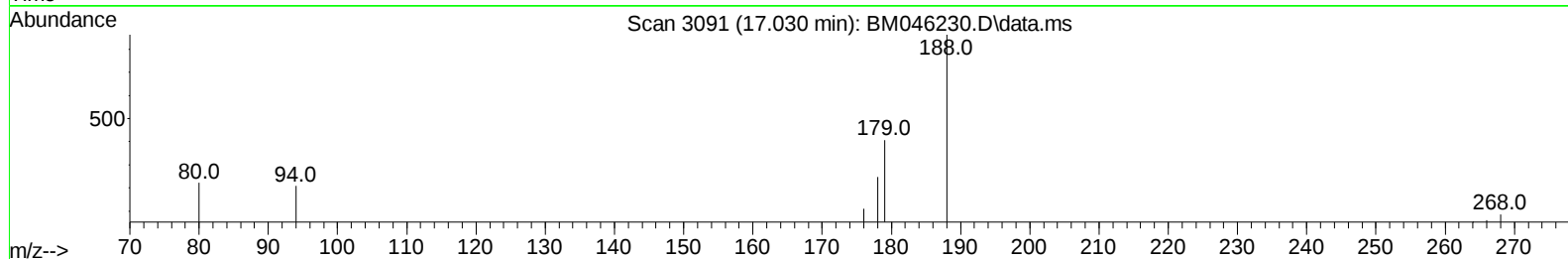
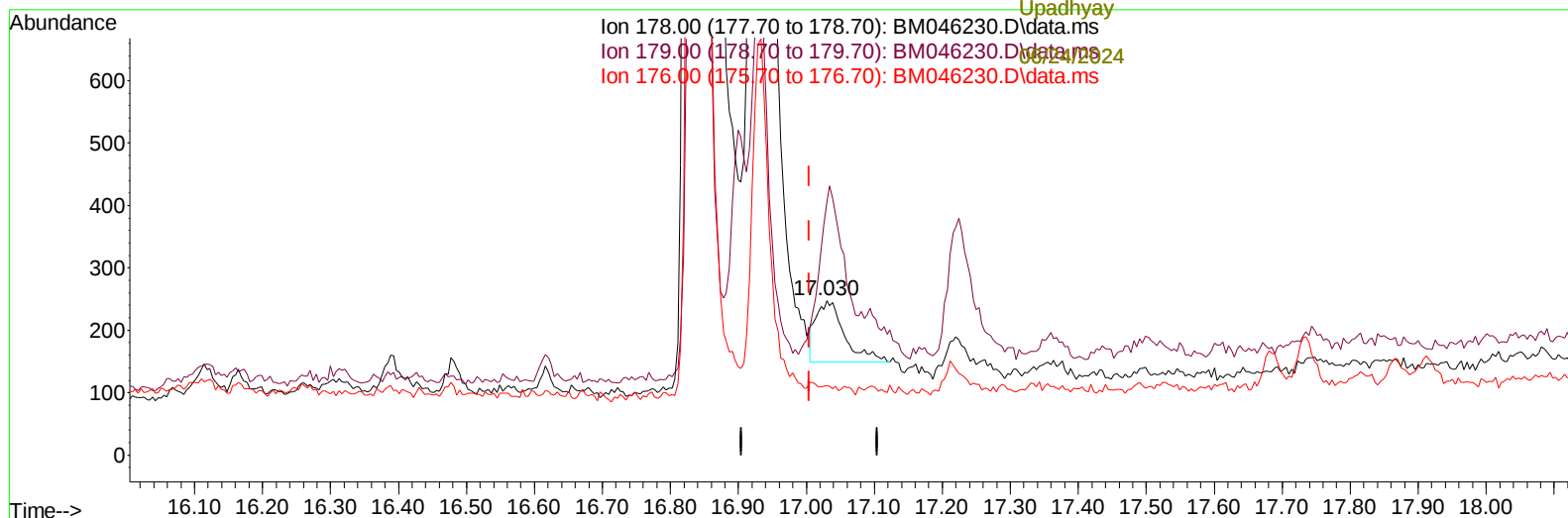
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

06/24/2024
Supervised By :Jagrut
Upadhyay



TIC: BM046230.D\data.ms

(16) Anthracene

17.030min (+ 0.025) 0.01 ng/u1

response 288

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	164.11#
176.00	21.20	44.76#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

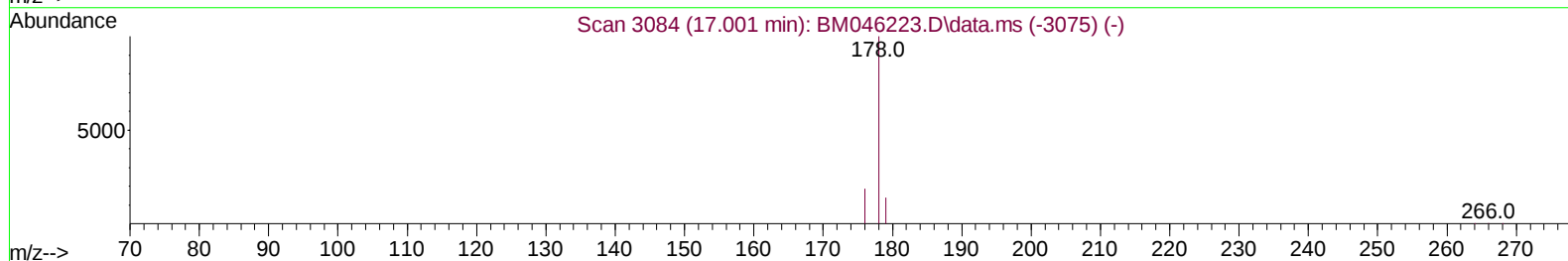
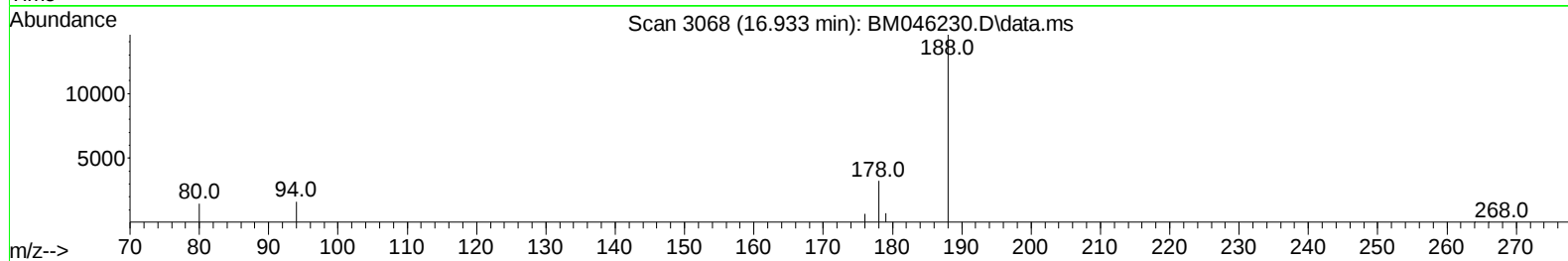
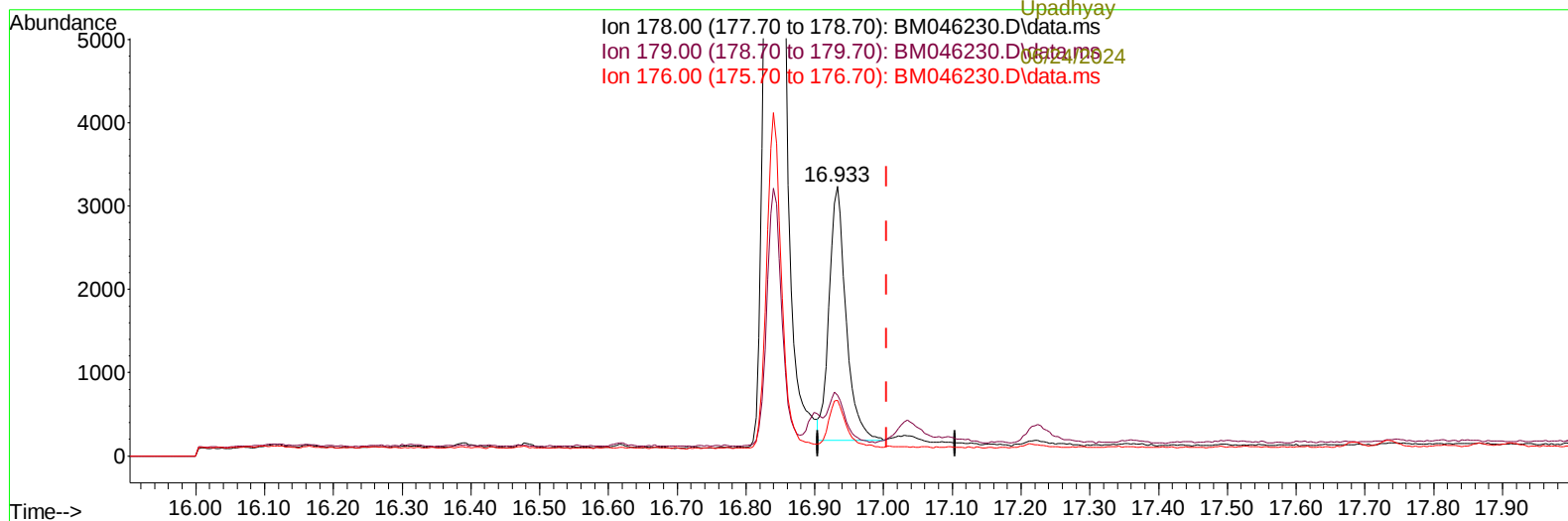
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

06/24/2024
Supervised By :Jagrut
Upadhyay



TIC: BM046230.D\data.ms

(16) Anthracene

16.933min (-0.072) 0.25 ng/ul m

response 5211

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	22.67#
176.00	21.20	20.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

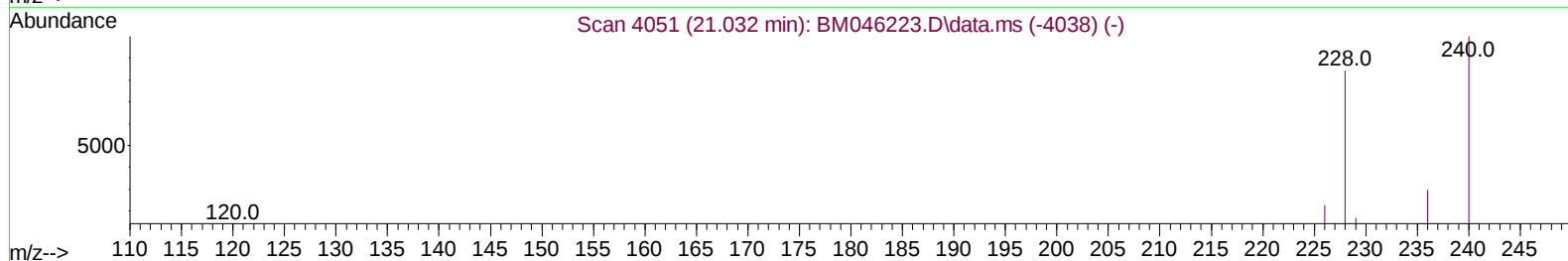
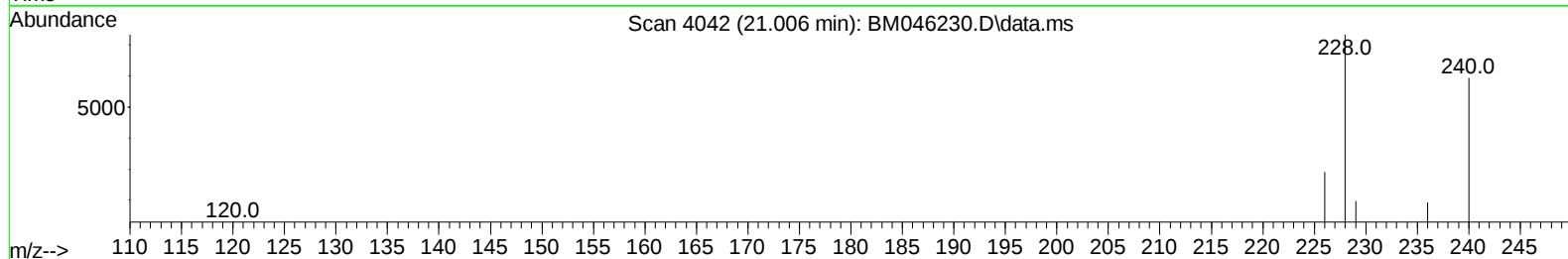
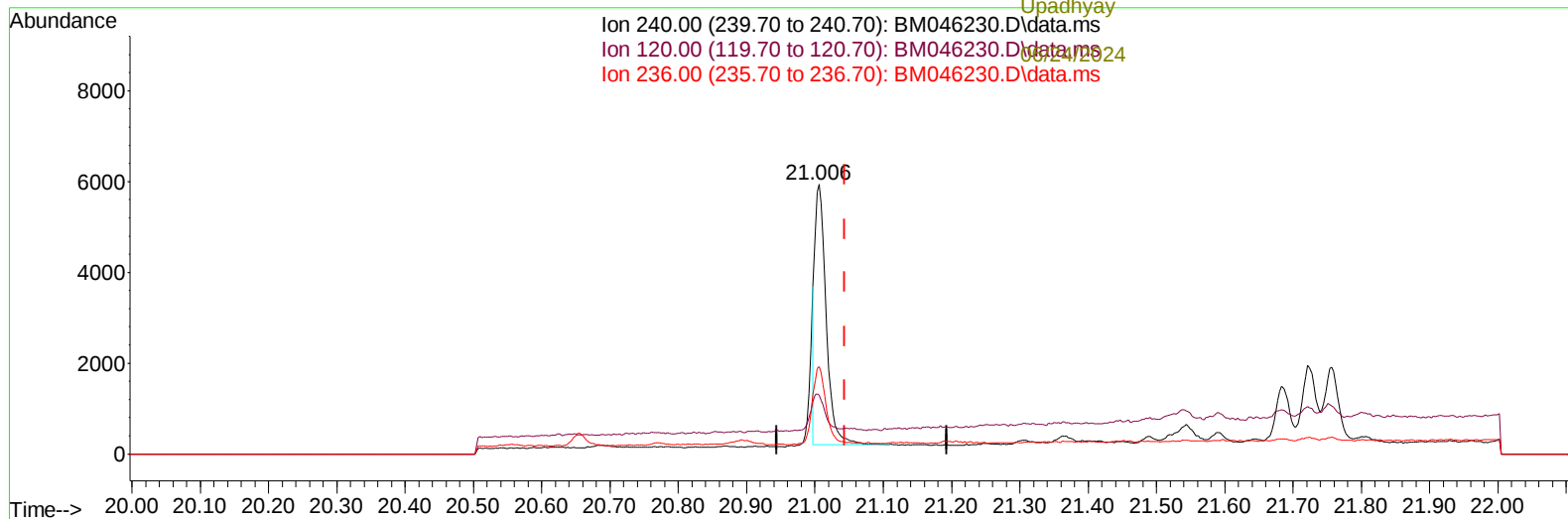
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

06/24/2024
Supervised By :Jagrut
Upadhyay



TIC: BM046230.D\data.ms

(17) Chrysene-d12

21.006min (-0.038) 0.40 ng/u1

response 6619

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.75
236.00	33.60	32.55
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B93

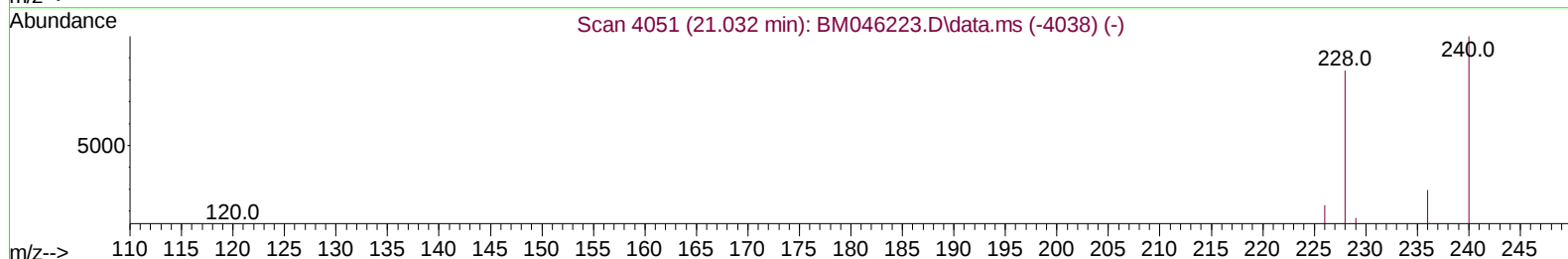
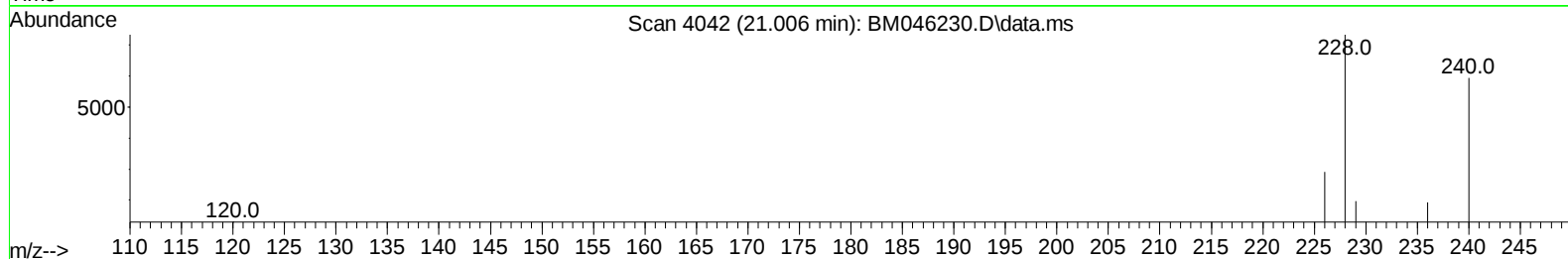
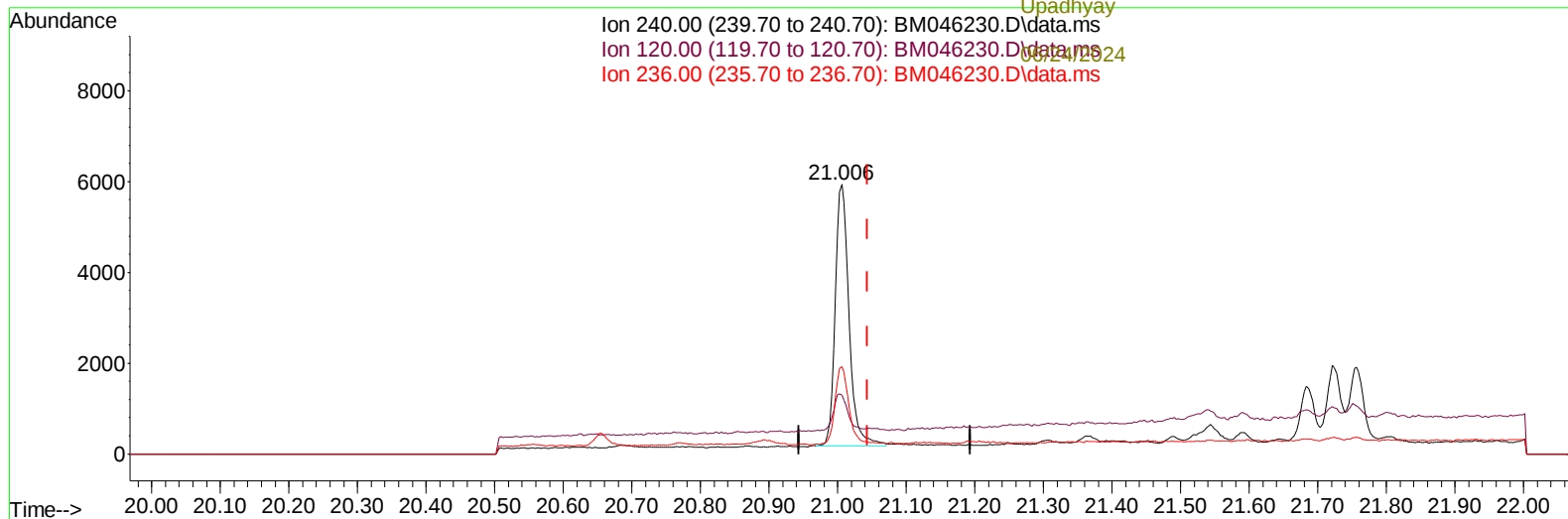
Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

06/24/2024
Supervised By :Jagrut
Upadhyay

Ion 240.00 (239.70 to 240.70): BM046230.D\data.ms
Ion 120.00 (119.70 to 120.70): BM046230.D\data.ms
Ion 236.00 (235.70 to 236.70): BM046230.D\data.ms



TIC: BM046230.D\data.ms

(17) Chrysene-d12

21.006min (-0.038) 0.40 ng/ul m

response 8059

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	21.75
236.00	33.60	32.55
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

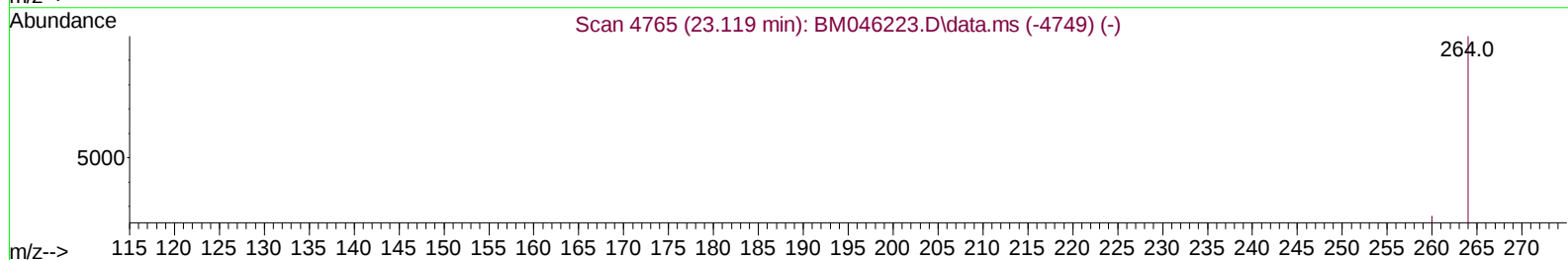
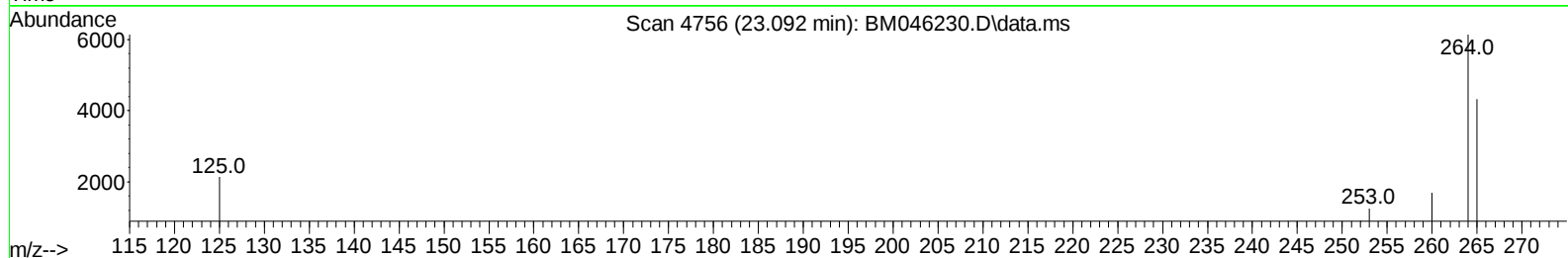
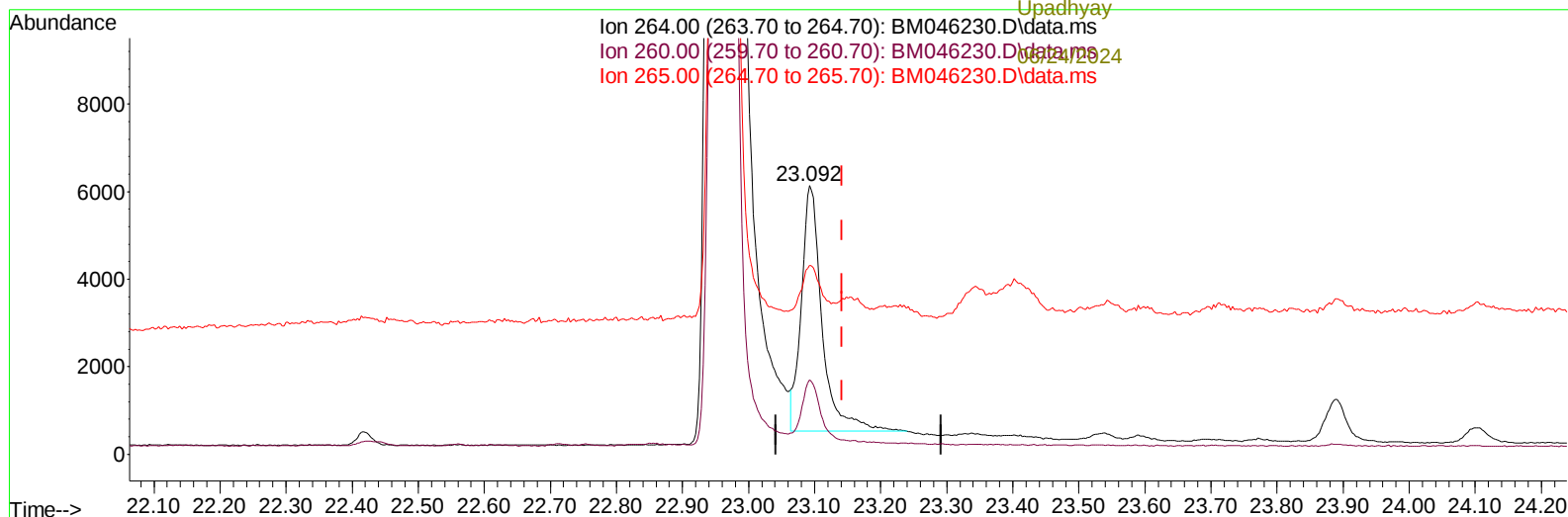
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

06/24/2024
Supervised By :Jagrut
Upadhyay



TIC: BM046230.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.050) 0.40 ng/u1

response 12359

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.70
265.00	110.60	70.43#
0.00	0.00	0.00

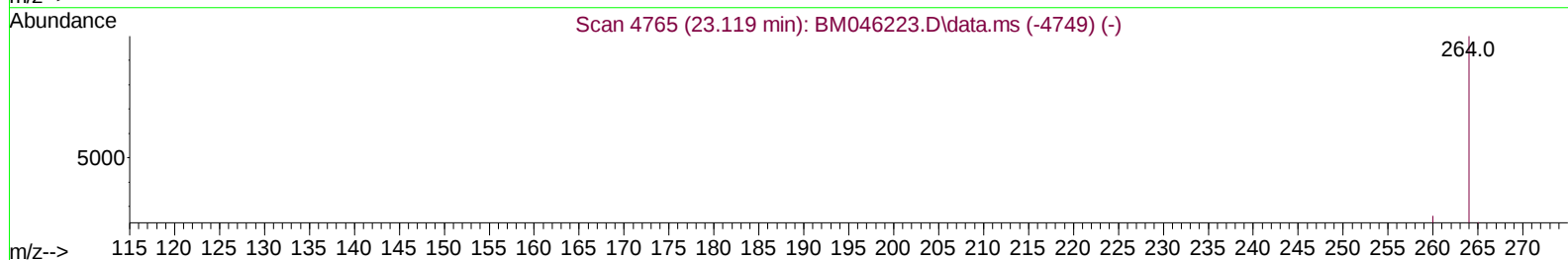
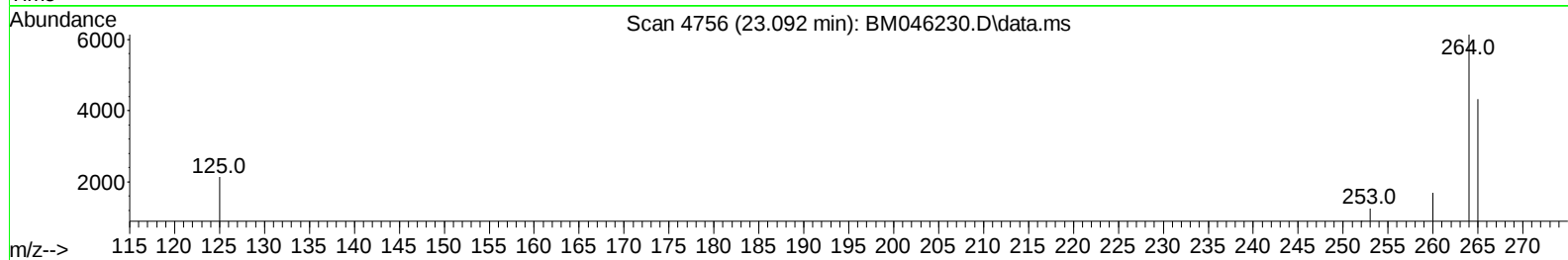
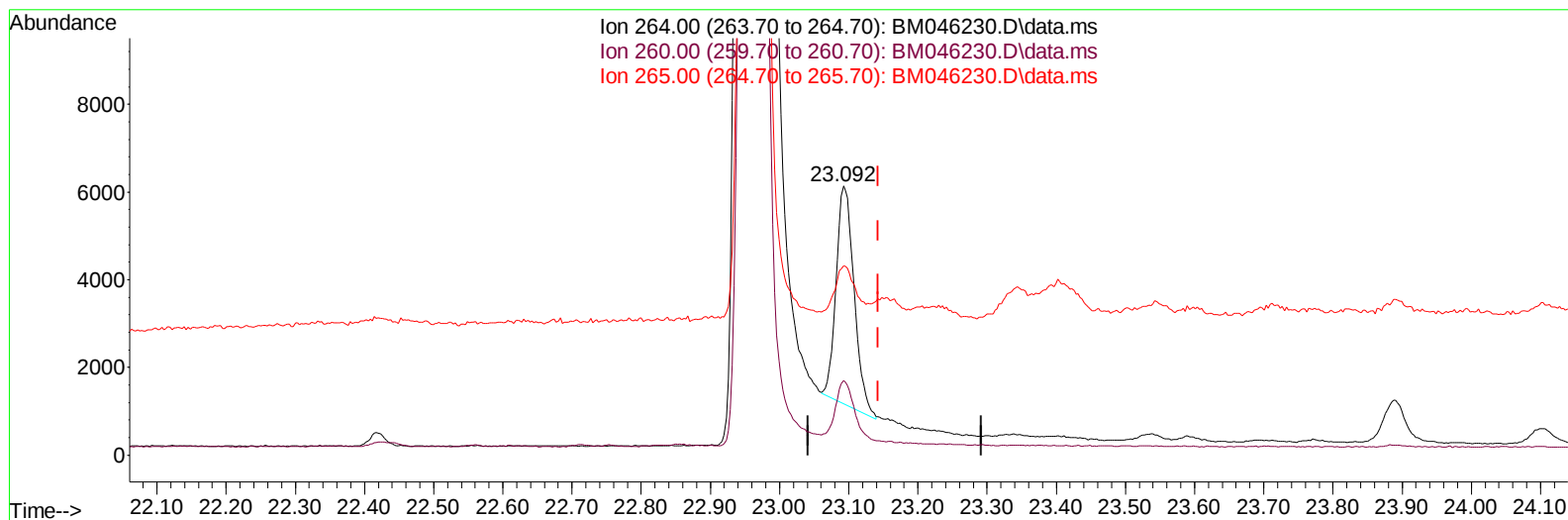
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024



TIC: BM046230.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.050) 0.40 ng/ul m

response 8930

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	27.70
265.00	110.60	70.43#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

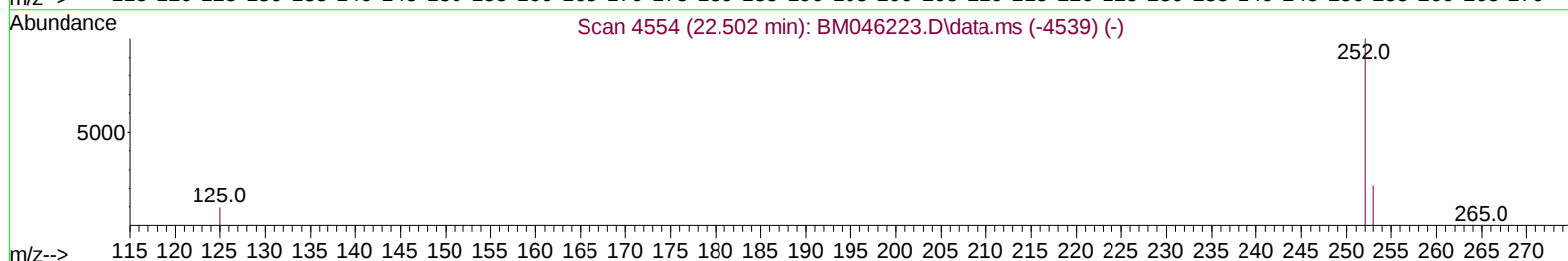
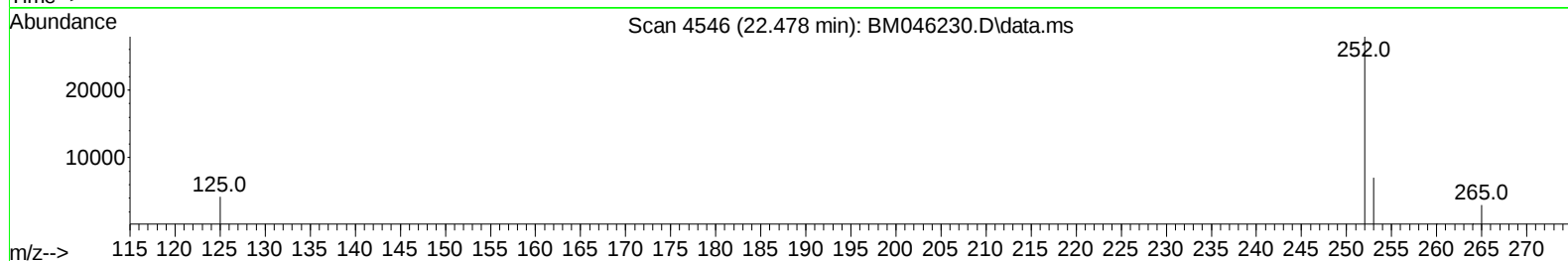
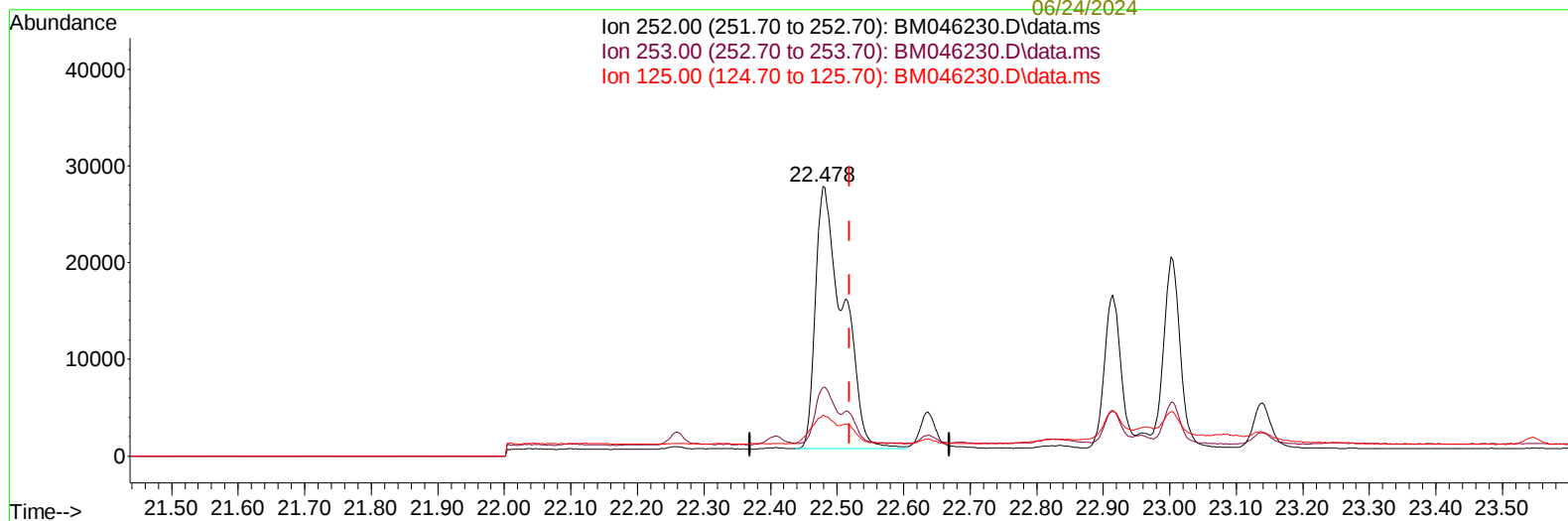
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Supervised By :Jagrut
Upadhyay
06/24/2024



TIC: BM046230.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.041) 2.42 ng/u1

response 77835

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.43
125.00	20.10	15.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

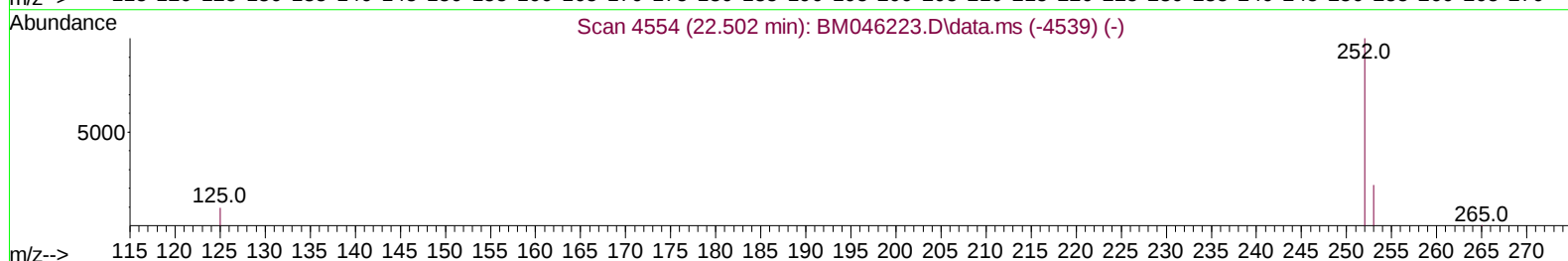
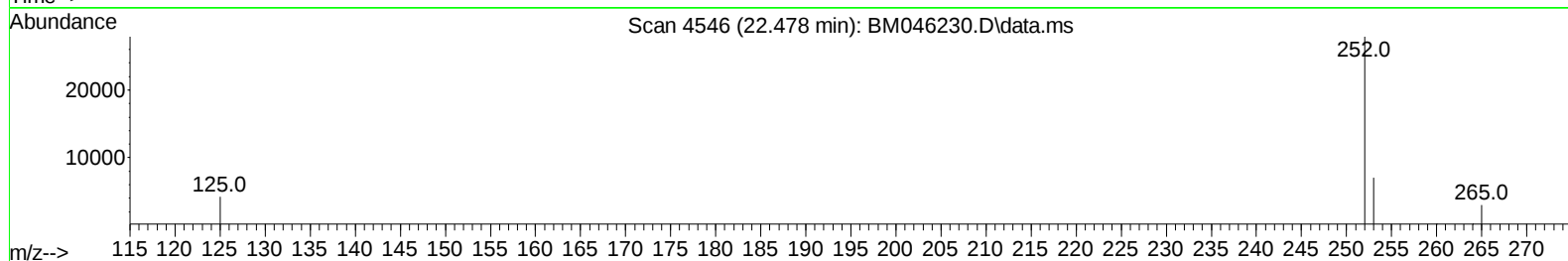
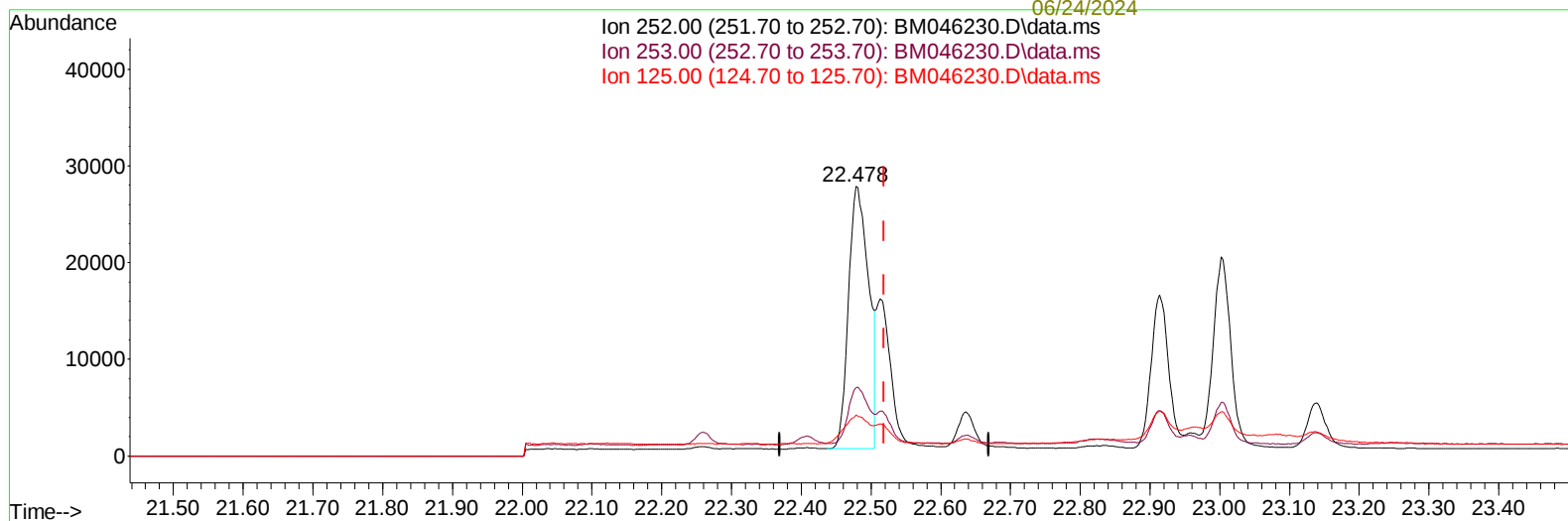
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Supervised By :Jagrut
Upadhyay
06/24/2024



TIC: BM046230.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.041) 1.70 ng/u1 m

response 54571

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	25.43
125.00	20.10	15.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

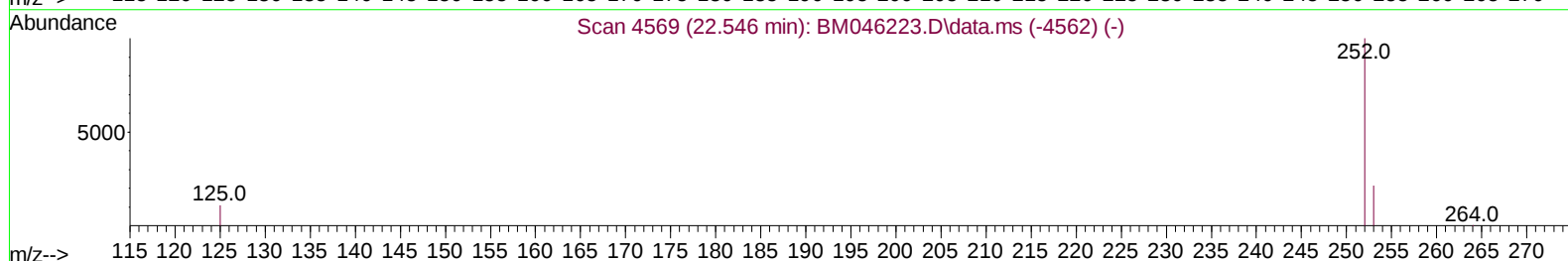
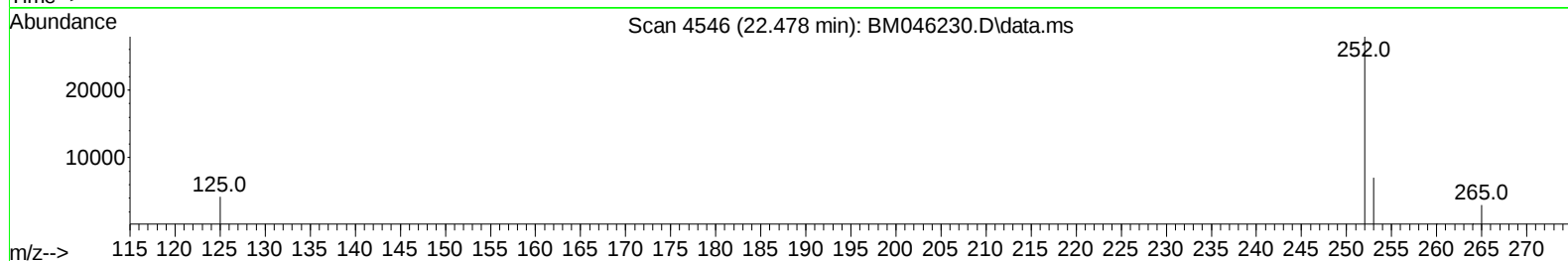
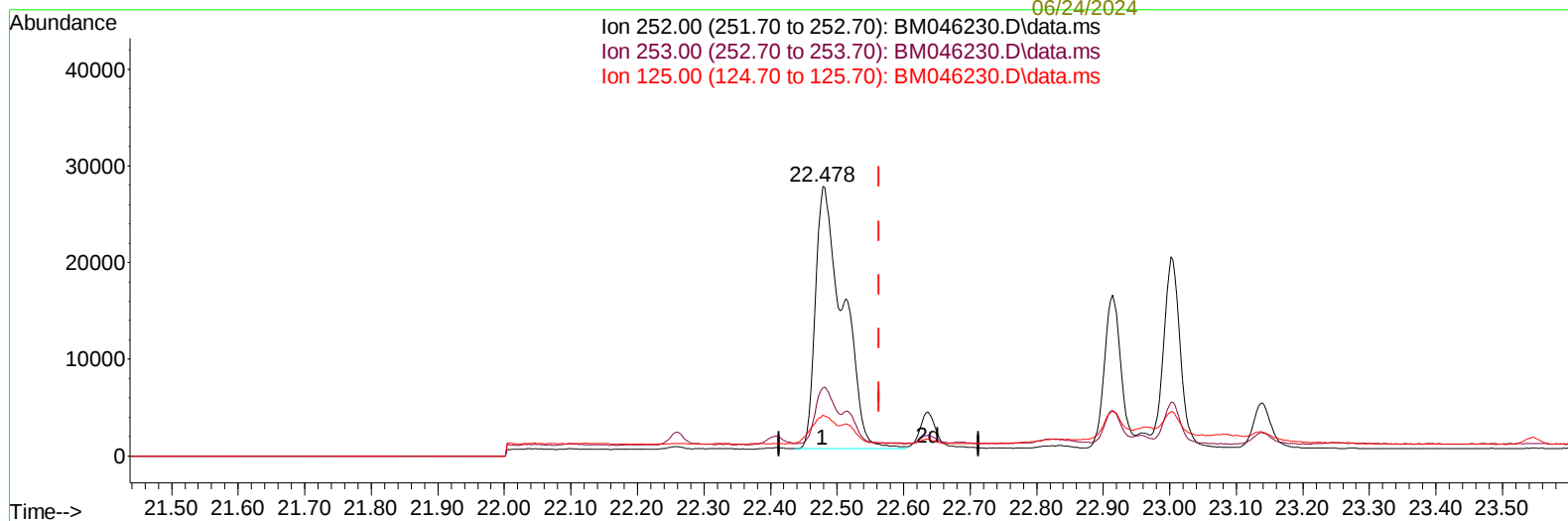
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Supervised By :Jagrut
Upadhyay
06/24/2024



TIC: BM046230.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.085) 2.03 ng/u1

response 77835

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	25.43#
125.00	20.80	15.22#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

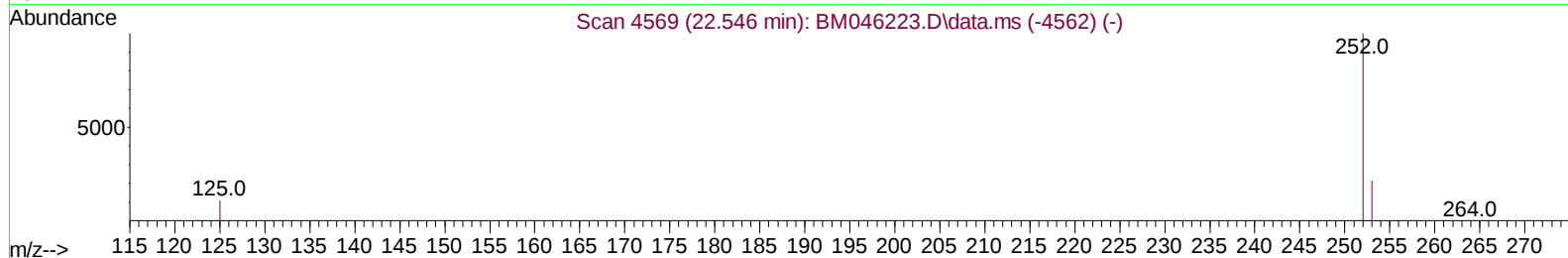
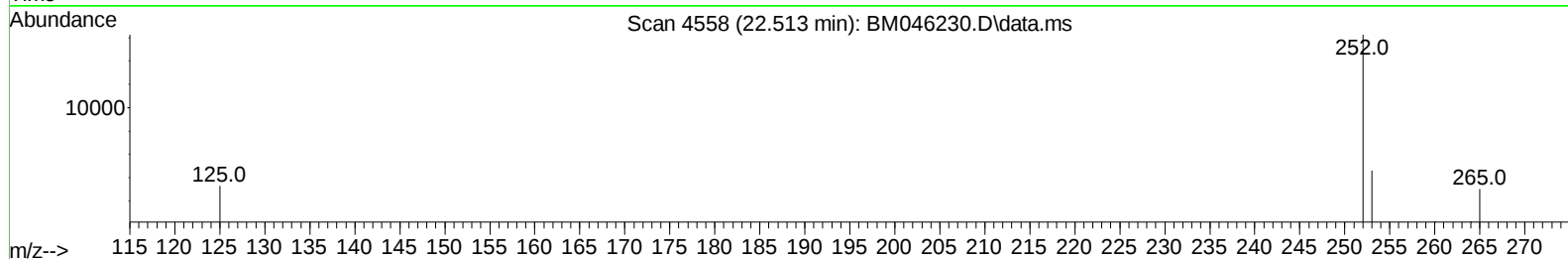
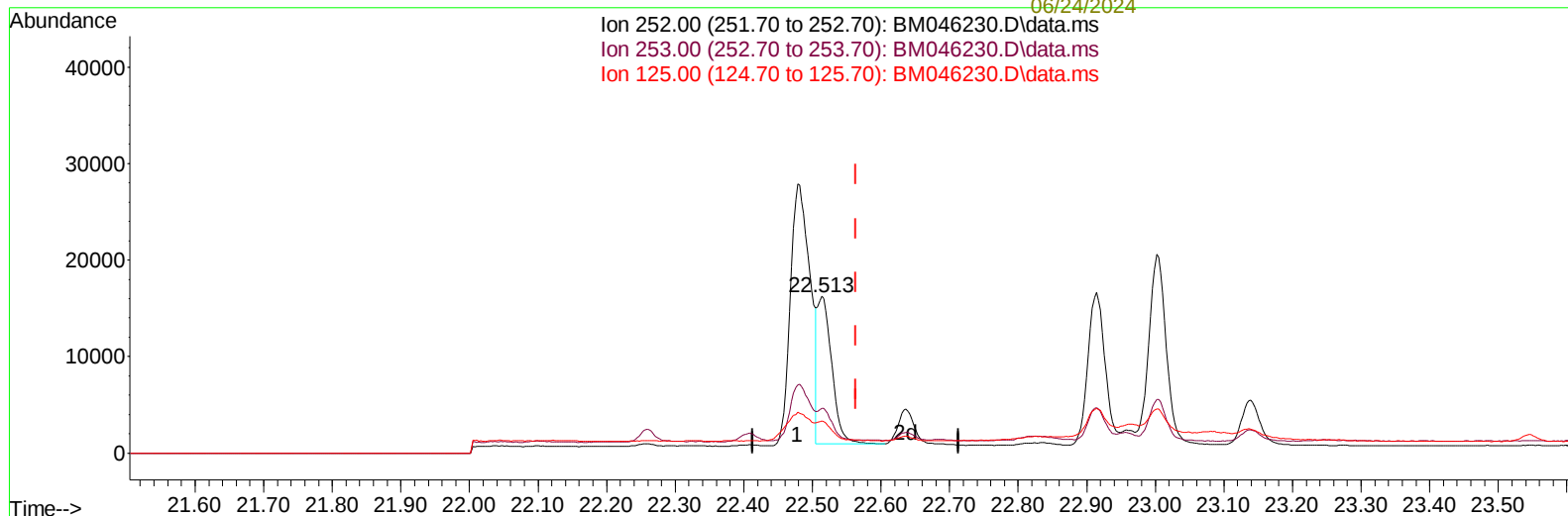
Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Supervised By :Jagrut
Upadhyay
06/24/2024



TIC: BM046230.D\data.ms

(25) Benzo(k)fluoranthene

22.513min (-0.050) 0.58 ng/u1 m

response 22214

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	28.47
125.00	20.80	20.30
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046230.D
 Acq On : 23 Jun 2024 12:00
 Operator : MA/JU
 Sample : P2776-05
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4B93

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :Jagrut Upadhyay 06/24/2024

Supervised By :Jagrut
 Upadhyay
 06/24/2024

Quant Time: Jun 24 02:30:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 02:25:34 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.404	152		2780	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.171	136		8689	0.400	ng/ul	#-0.08
9) Acenaphthene-d10	14.057	164		4765	0.400	ng/ul	-0.06
13) Phenanthrene-d10	16.802	188		10083m	0.400	ng/ul	-0.06
17) Chrysene-d12	21.006	240		8059m	0.400	ng/ul	-0.04
23) Perylene-d12	23.092	264		8930m	0.400	ng/ul	-0.05
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.021	96		12392	3.249	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.799	152		2793	0.239	ng/ul	-0.07
18) Fluoranthene-d10	18.833	212		5969	0.247	ng/ul	-0.05
Target Compounds							
							Qvalue
5) Naphthalene	10.220	128		767	0.032	ng/ul#	67
10) Acenaphthylene	13.770	152		1929	0.085	ng/ul#	87
11) Acenaphthene	14.117	153		1009	0.062	ng/ul	94
12) Fluorene	15.111	166		1384	0.079	ng/ul#	97
15) Phenanthrene	16.840	178		31130m	1.099	ng/ul	
16) Anthracene	16.933	178		5211m	0.247	ng/ul	
19) Fluoranthene	18.866	202		92153	2.641	ng/ul	96
20) Pyrene	19.228	202		72698	1.926	ng/ul	96
21) Benzo(a)anthracene	20.988	228		37297	1.198	ng/ul	99
22) Chrysene	21.041	228		37088	0.934	ng/ul	99
24) Benzo(b)fluoranthene	22.478	252		54571m	1.696	ng/ul	
25) Benzo(k)fluoranthene	22.513	252		22214m	0.581	ng/ul	
26) Benzo(a)pyrene	23.002	252		34811	1.168	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.139	276		29356	0.602	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.142	278		6394	0.176	ng/ul#	80
29) Benzo(g,h,i)perylene	25.762	276		29277	0.700	ng/ul	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
Data File : BM046230.D
Acq On : 23 Jun 2024 12:00
Operator : MA/JU
Sample : P2776-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4B93

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/24/2024
Supervised By :Jagrut Upadhyay 06/24/2024

Supervised By :Jagrut
Upadhyay
06/24/2024

Quant Time: Jun 24 02:30:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 02:25:34 2024
Response via : Initial Calibration

