

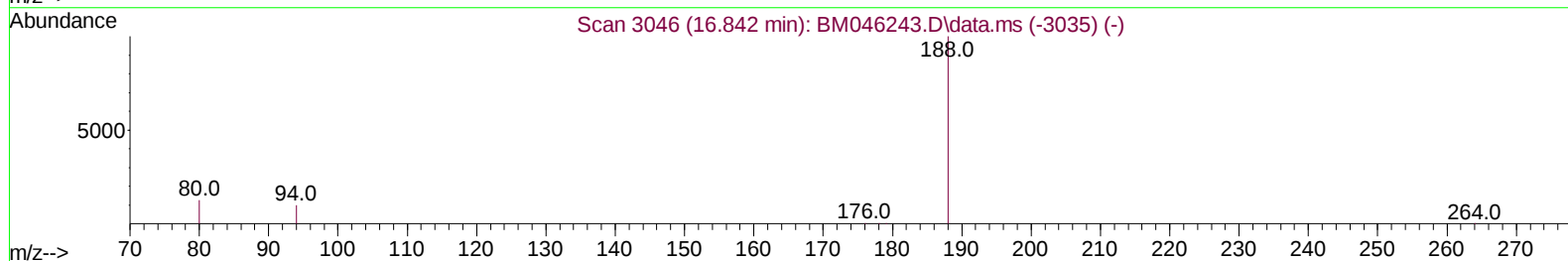
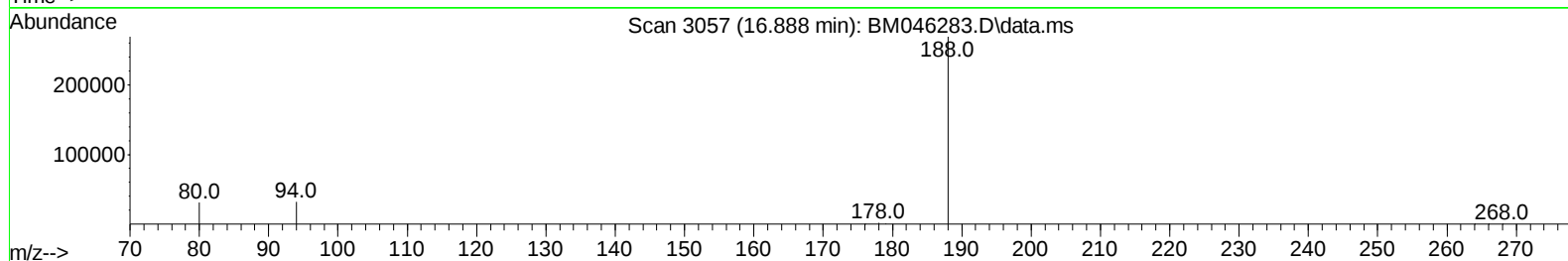
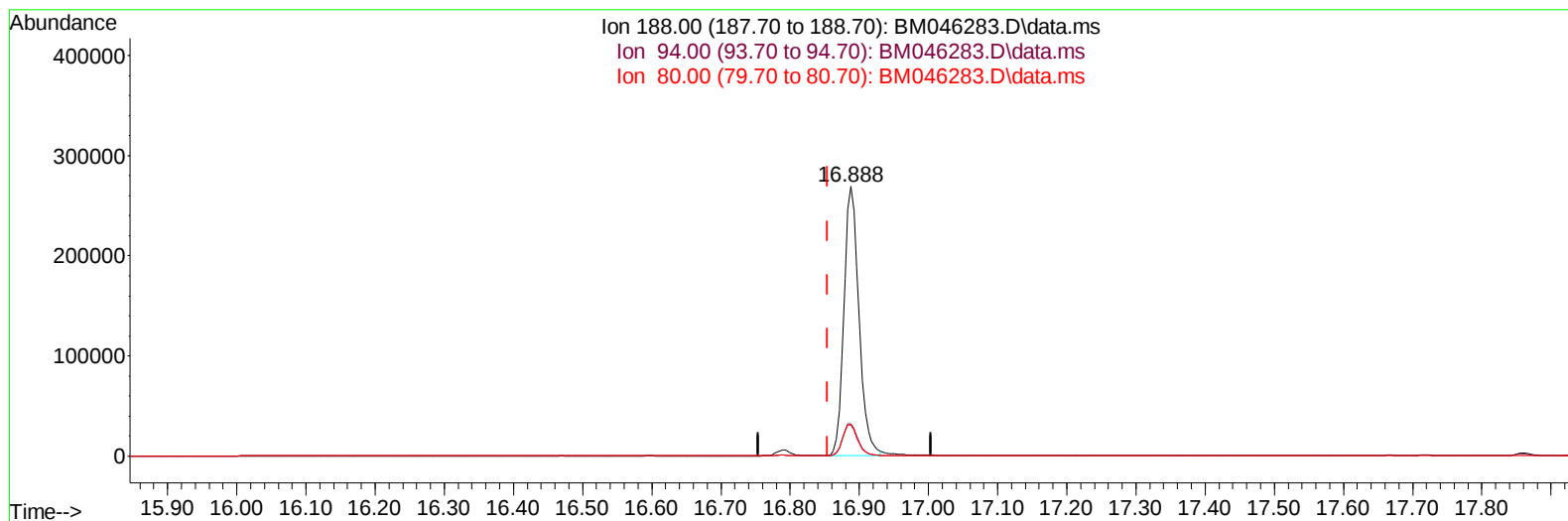
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C47

Manual IntegrationsAPPROVED

Quant Time: Jun 25 11:14:04 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 : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046283.D\data.ms

(13) Phenanthrene-d10 (I)

16.888min (+ 0.034) 0.40 ng/u1

response 405286

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.86
80.00	15.20	11.45#
0.00	0.00	0.00

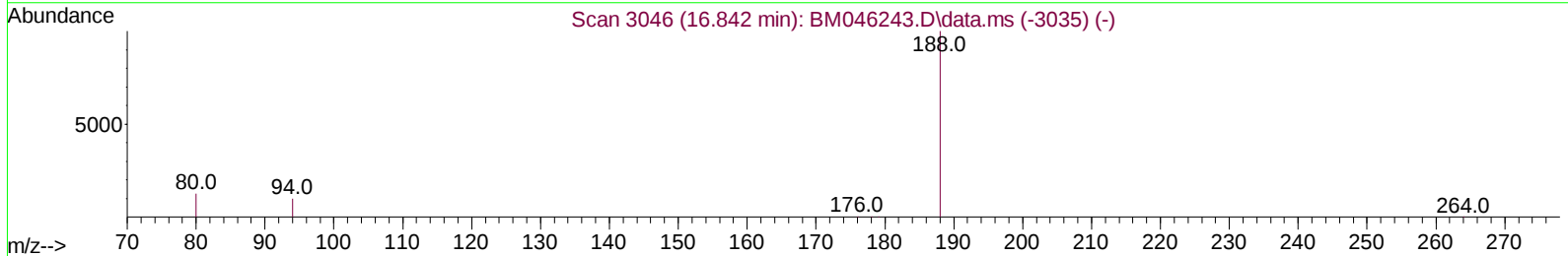
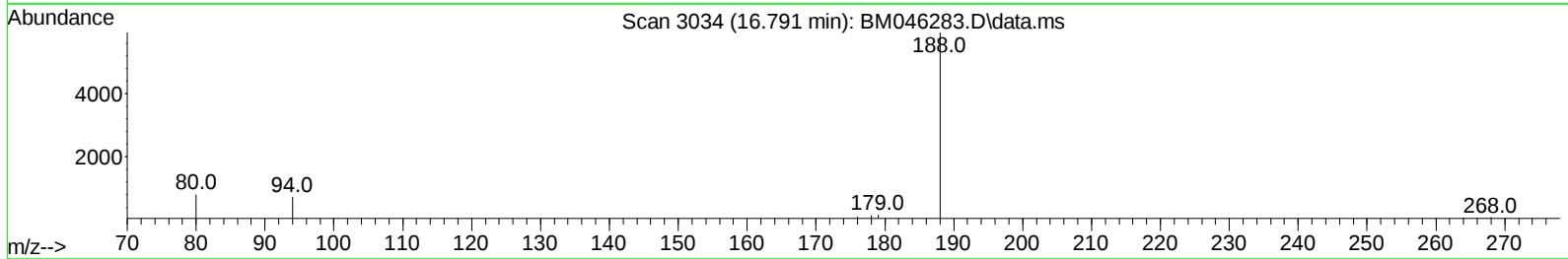
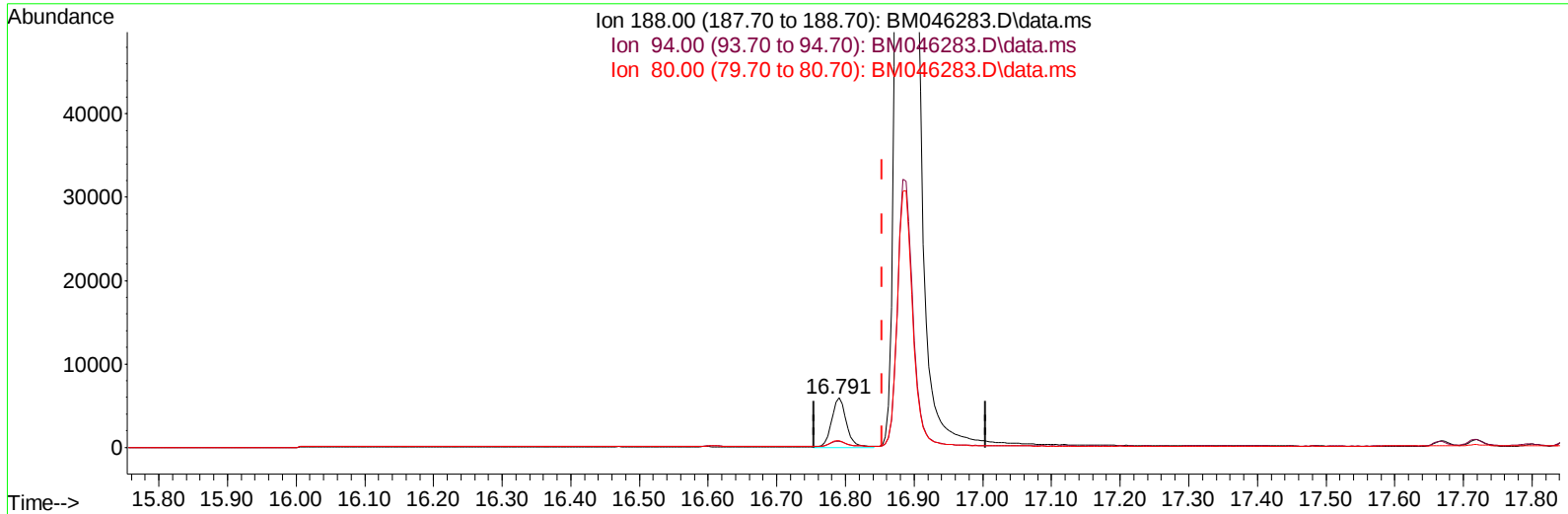
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
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TIC: BM046283.D\data.ms

(13) Phenanthrene-d10 (I)

16.791min (-0.063) 0.40 ng/u1 m

response 8897

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.30
80.00	15.20	13.78
0.00	0.00	0.00

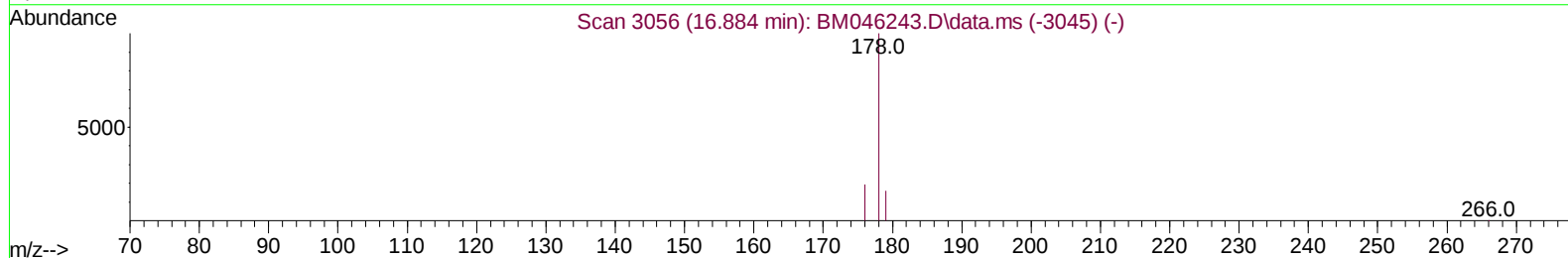
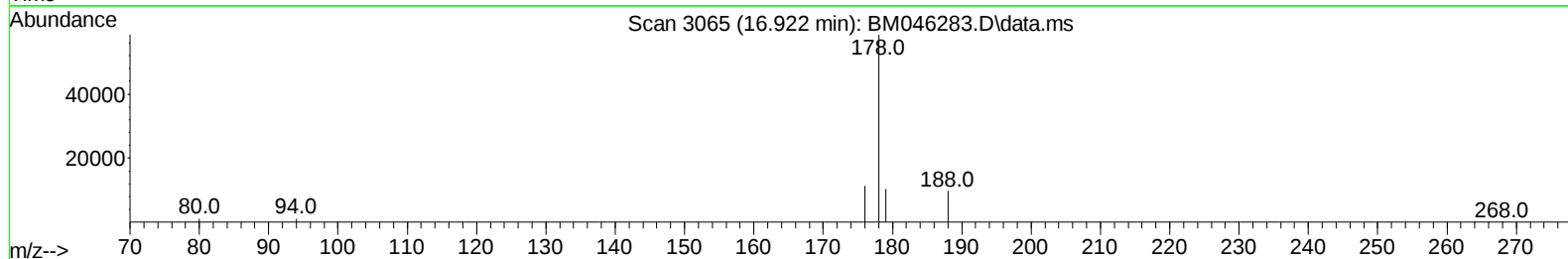
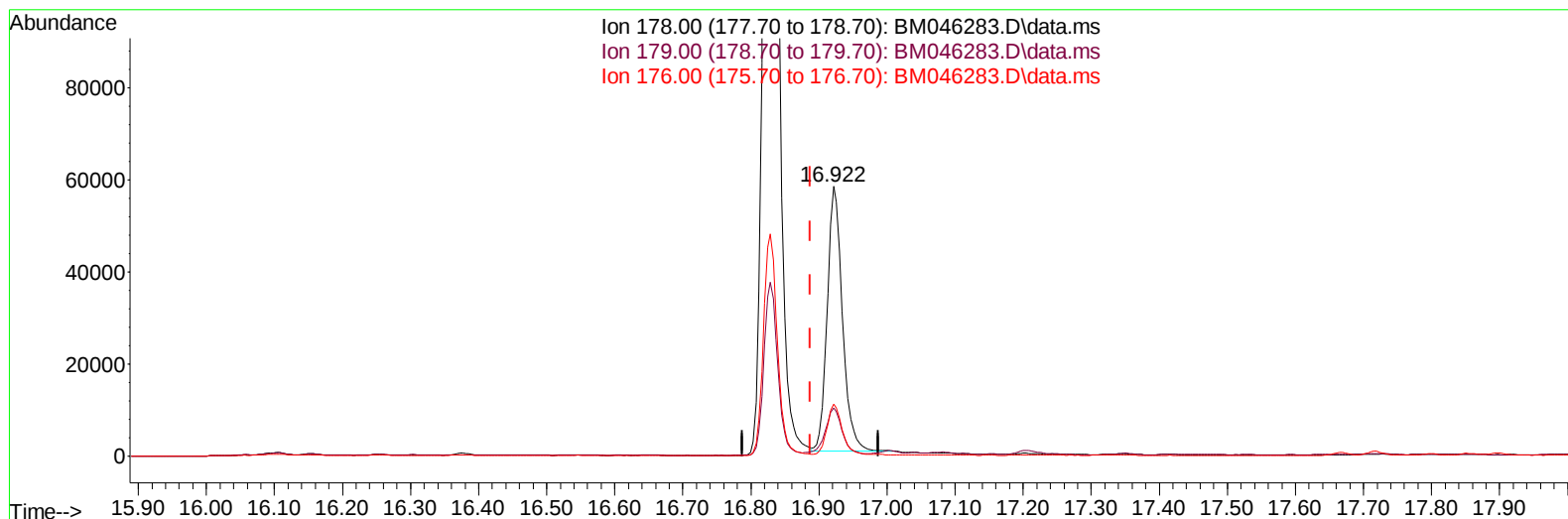
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
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Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM046283.D\data.ms

(15) Phenanthrene

16.922min (+ 0.034) 3.56 ng/u1

response 89112

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	17.73
176.00	21.40	19.25
0.00	0.00	0.00

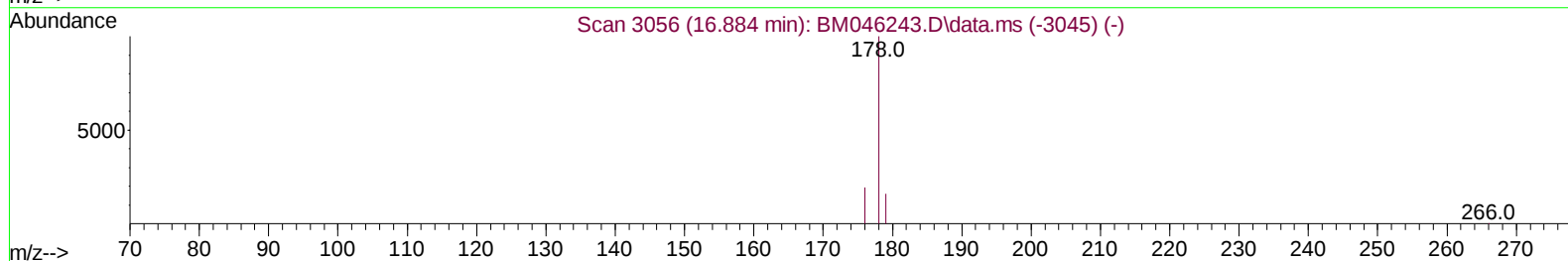
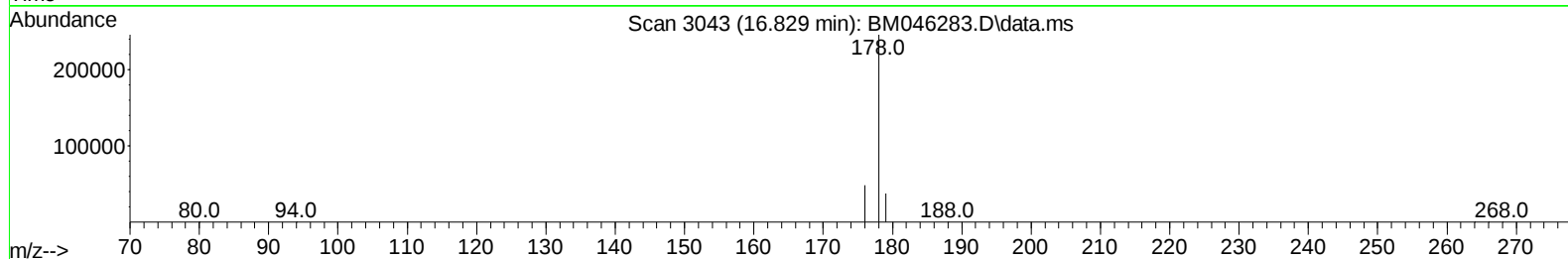
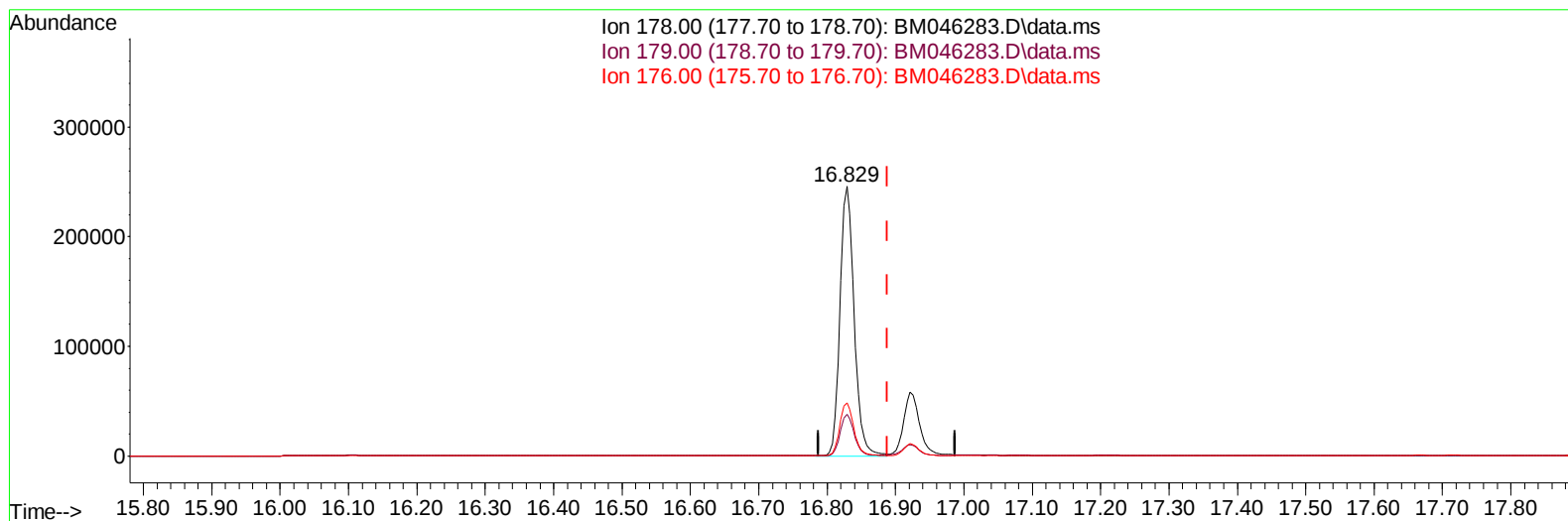
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C47

Manual IntegrationsAPPROVED

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TIC: BM046283.D\data.ms

(15) Phenanthrene

16.829min (-0.059) 14.06 ng/ul m

response 351340

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.39
176.00	21.40	19.62
0.00	0.00	0.00

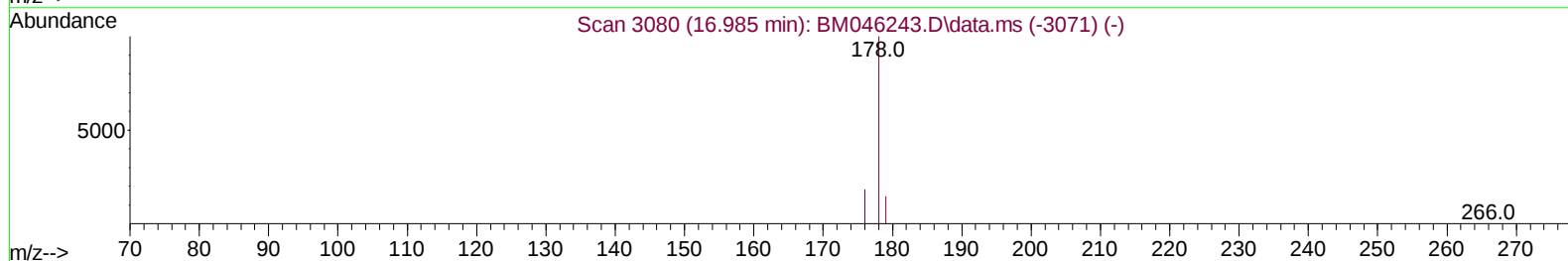
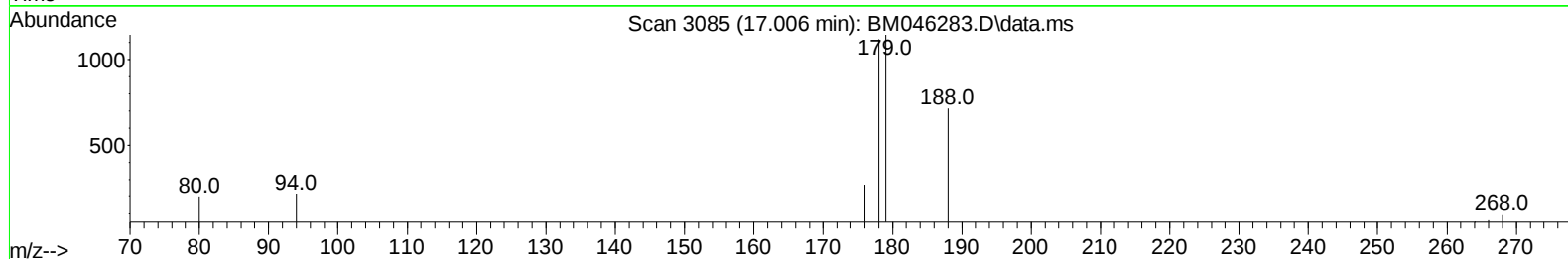
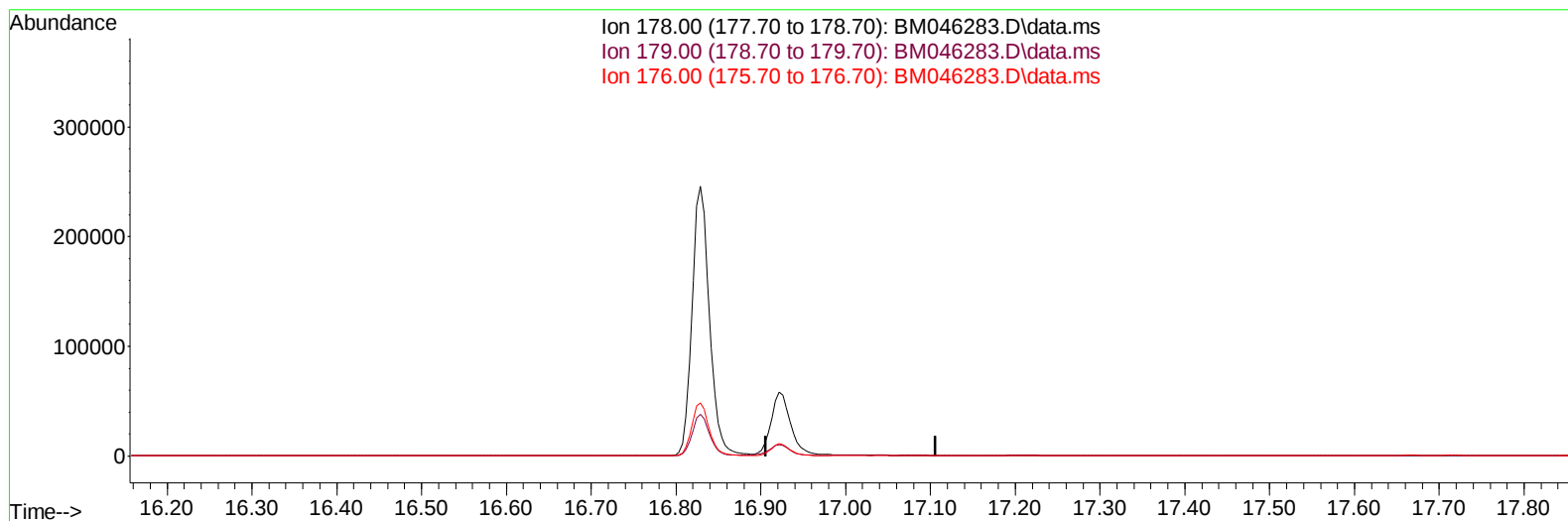
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C47

Manual IntegrationsAPPROVED

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TIC: BM046283.D\data.ms

(16) Anthracene

17.006min (-17.006) 0.00 ng/u1

response 0

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

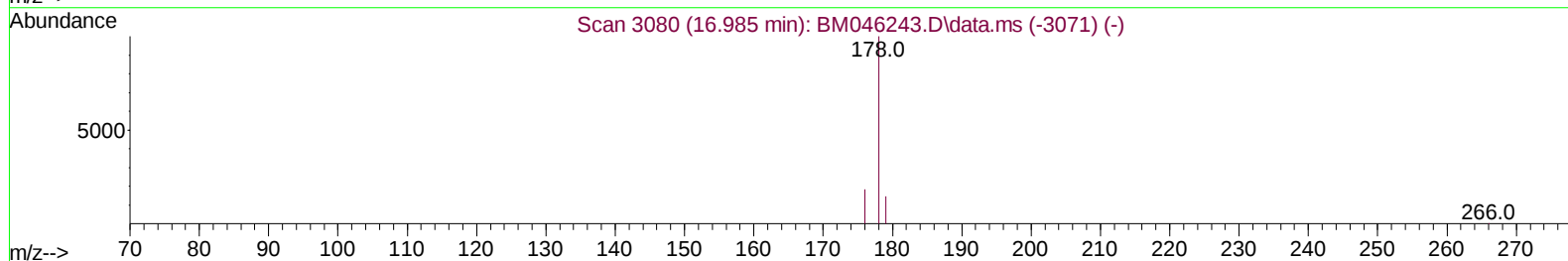
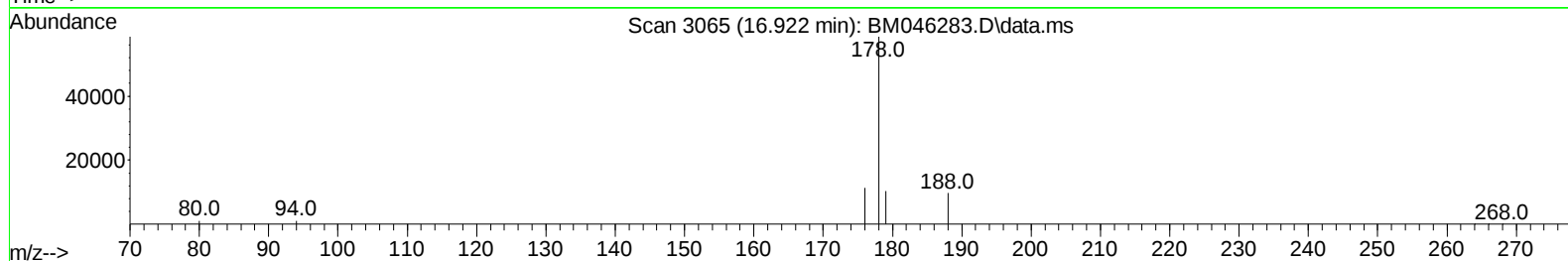
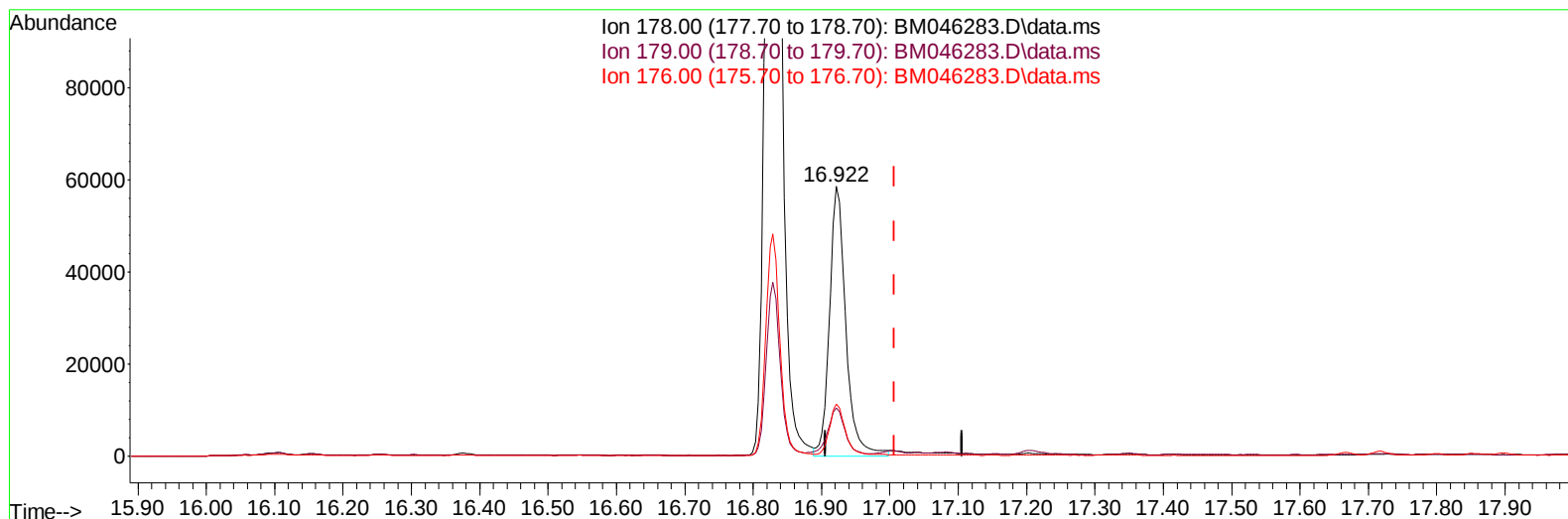
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C47

Manual IntegrationsAPPROVED

Quant Time: Jun 25 11:14:04 2024
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TIC: BM046283.D\data.ms

(16) Anthracene

16.922min (-0.085) 5.18 ng/u1 m

response 96473

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	17.73
176.00	21.20	19.25
0.00	0.00	0.00

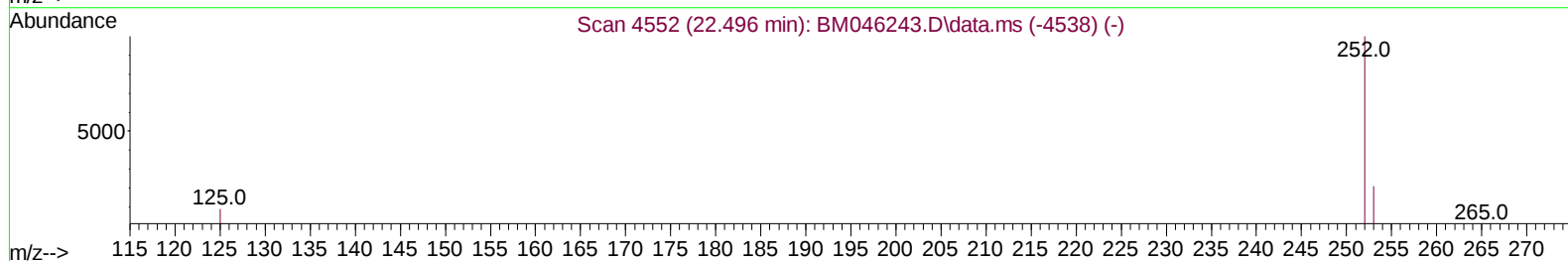
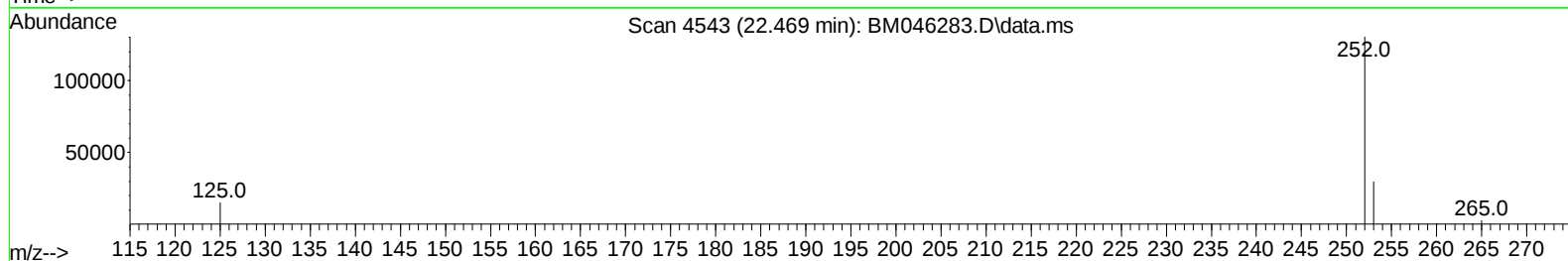
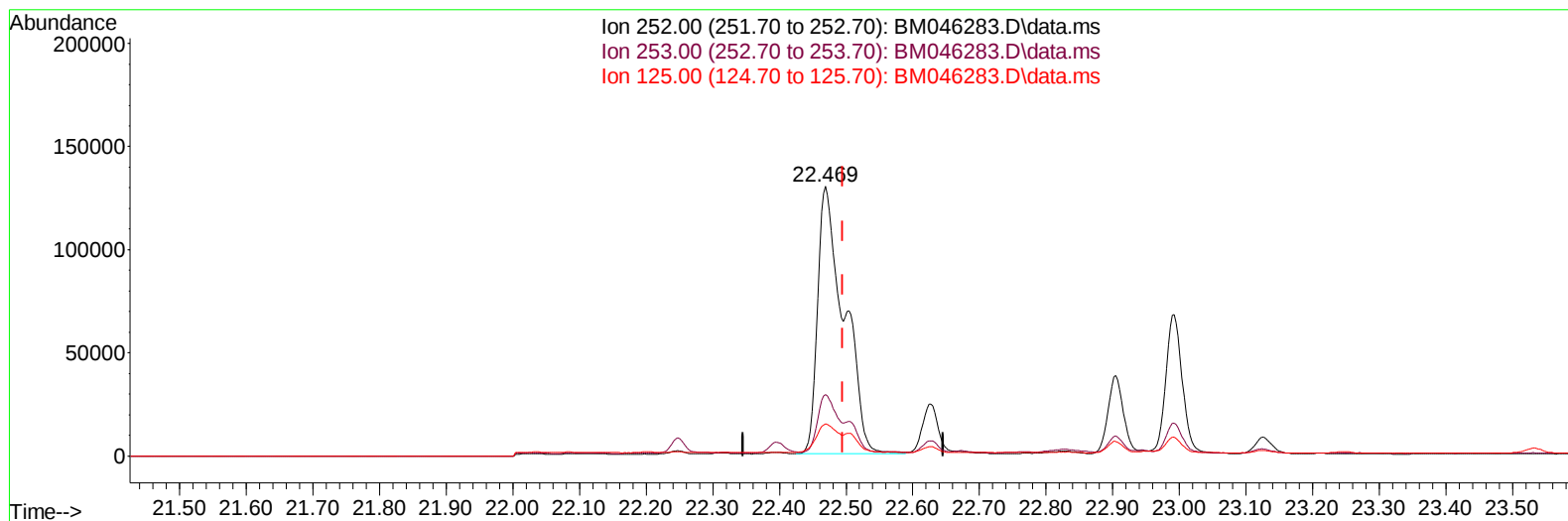
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C47

Manual IntegrationsAPPROVED

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TIC: BM046283.D\data.ms

(24) Benzo(b)fluoranthene

22.469min (-0.026) 13.83 ng/u1

response 358159

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.71
125.00	20.10	11.82
0.00	0.00	0.00

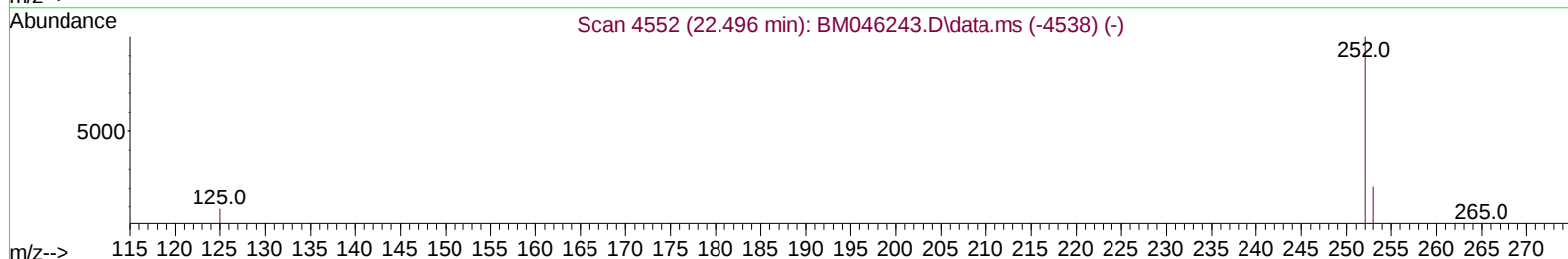
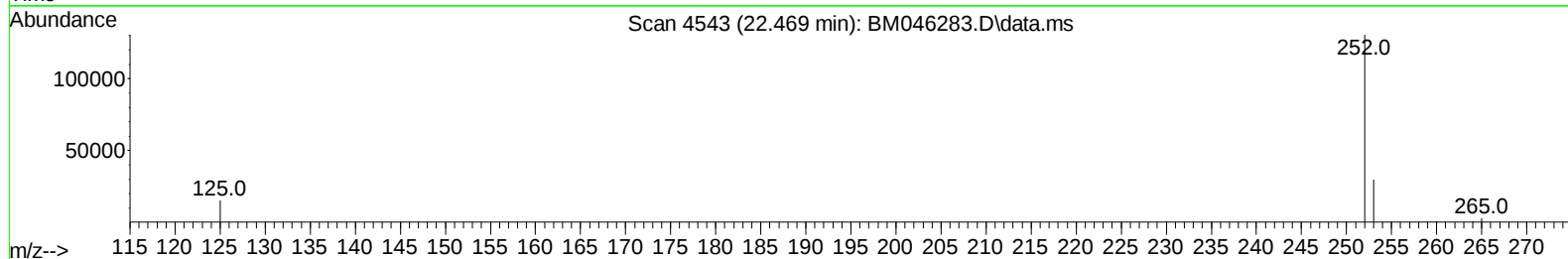
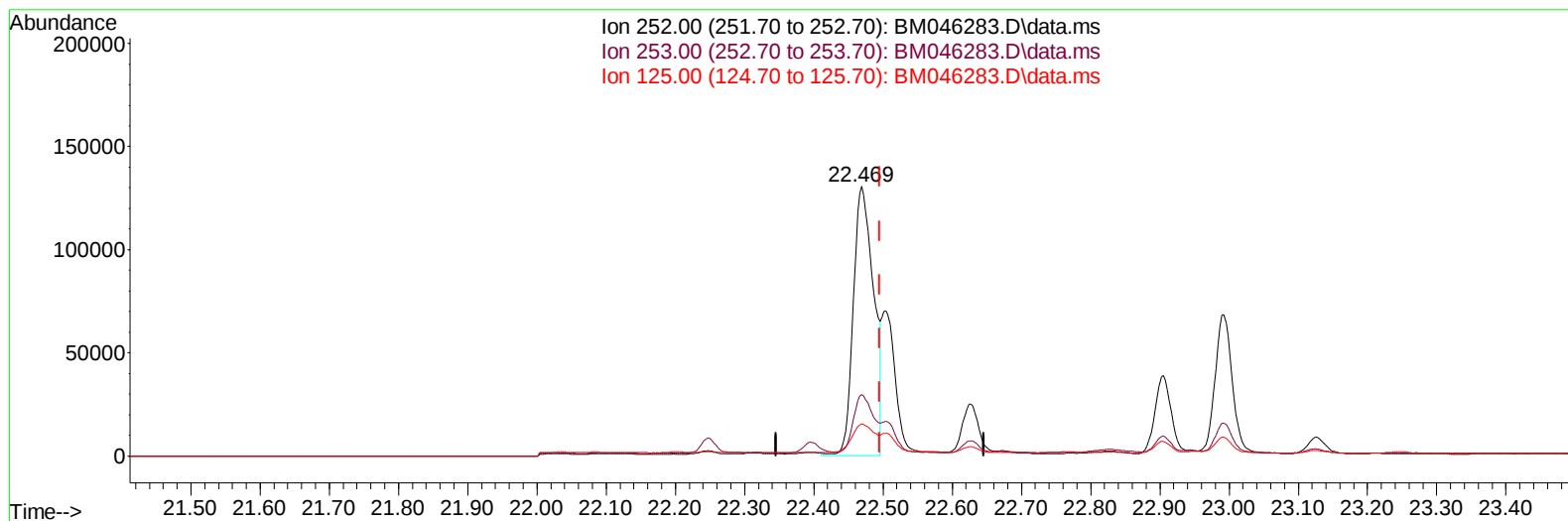
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046283.D
 Acq On : 25 Jun 2024 09:52
 Operator : MA/JU
 Sample : P2844-22
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C47

Manual IntegrationsAPPROVED

Quant Time: Jun 25 11:14:04 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046283.D\data.ms

(24) Benzo(b)fluoranthene

22.469min (-0.026) 10.27 ng/ul m

response 265995

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.71
125.00	20.10	11.82
0.00	0.00	0.00

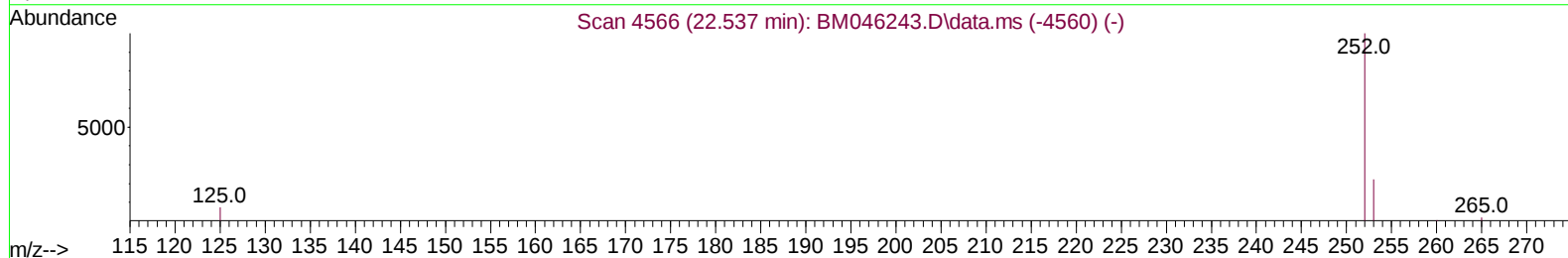
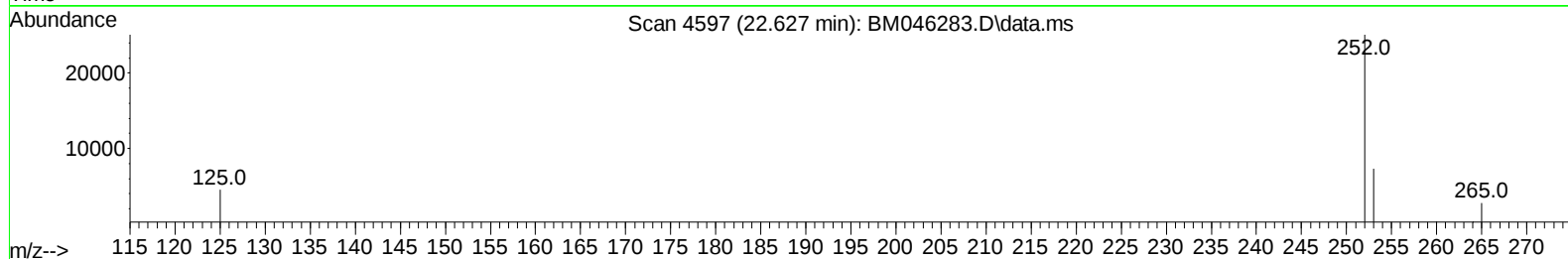
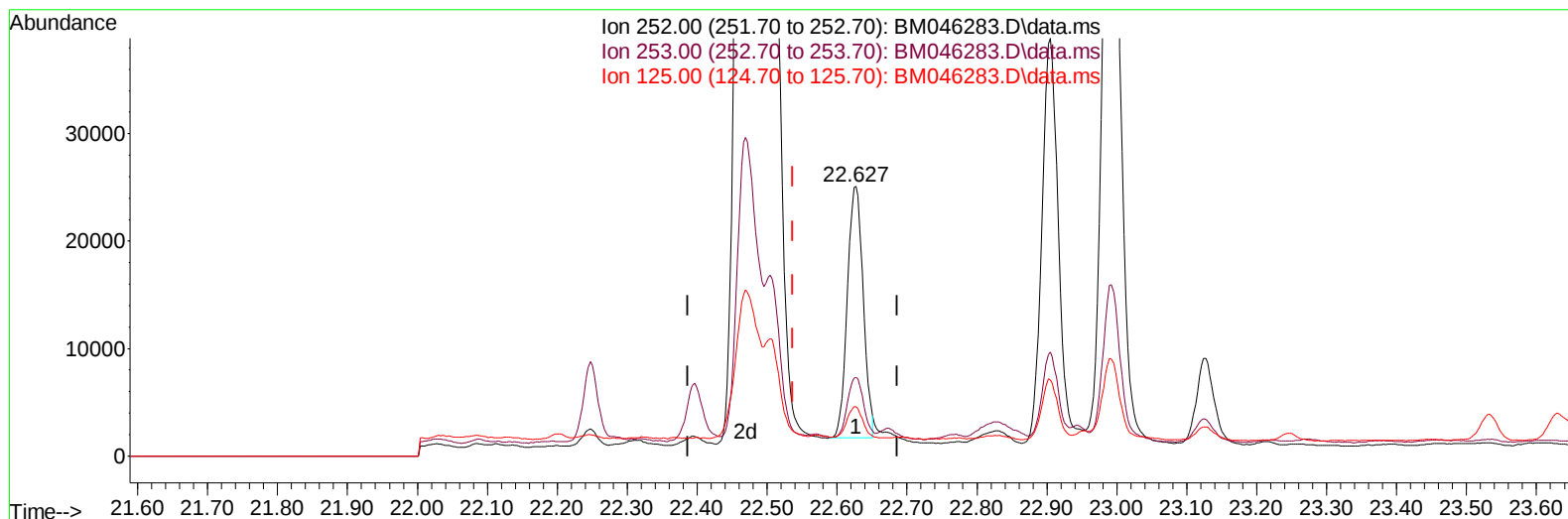
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046283.D
 Acq On : 25 Jun 2024 09:52
 Operator : MA/JU
 Sample : P2844-22
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C47

Manual IntegrationsAPPROVED

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TIC: BM046283.D\data.ms

(25) Benzo(k)fluoranthene

22.627min (+ 0.090) 1.20 ng/u1

response 37039

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	29.17
125.00	20.80	18.24
0.00	0.00	0.00

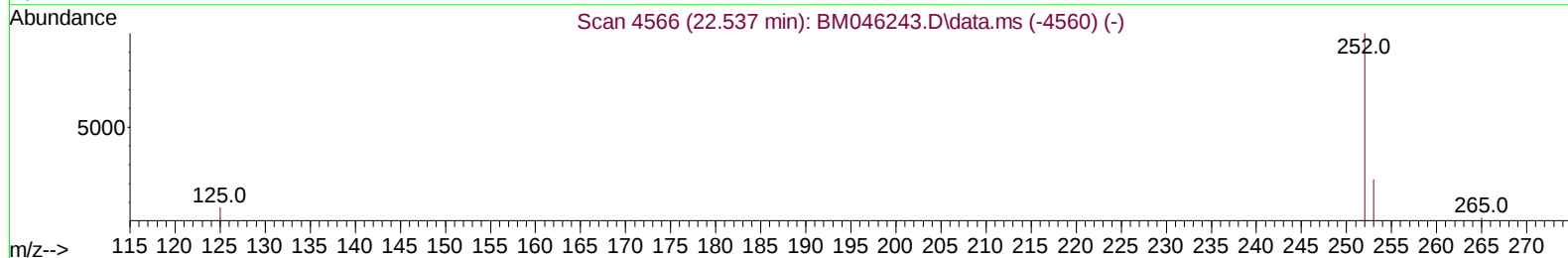
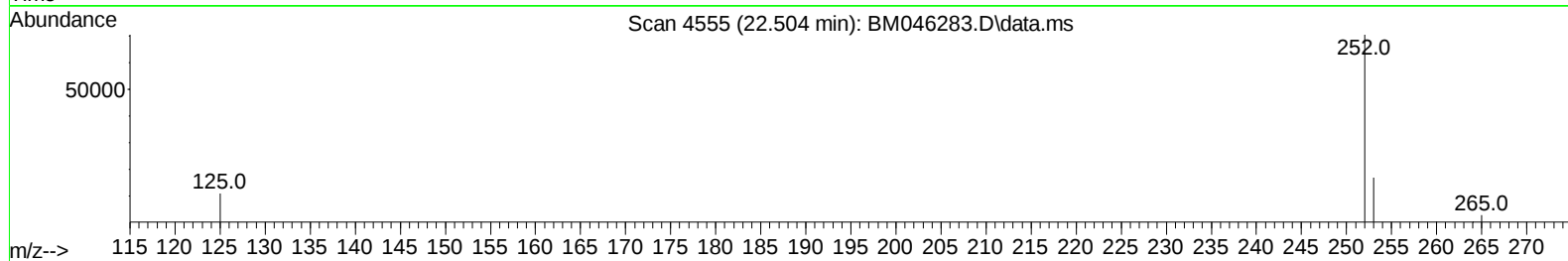
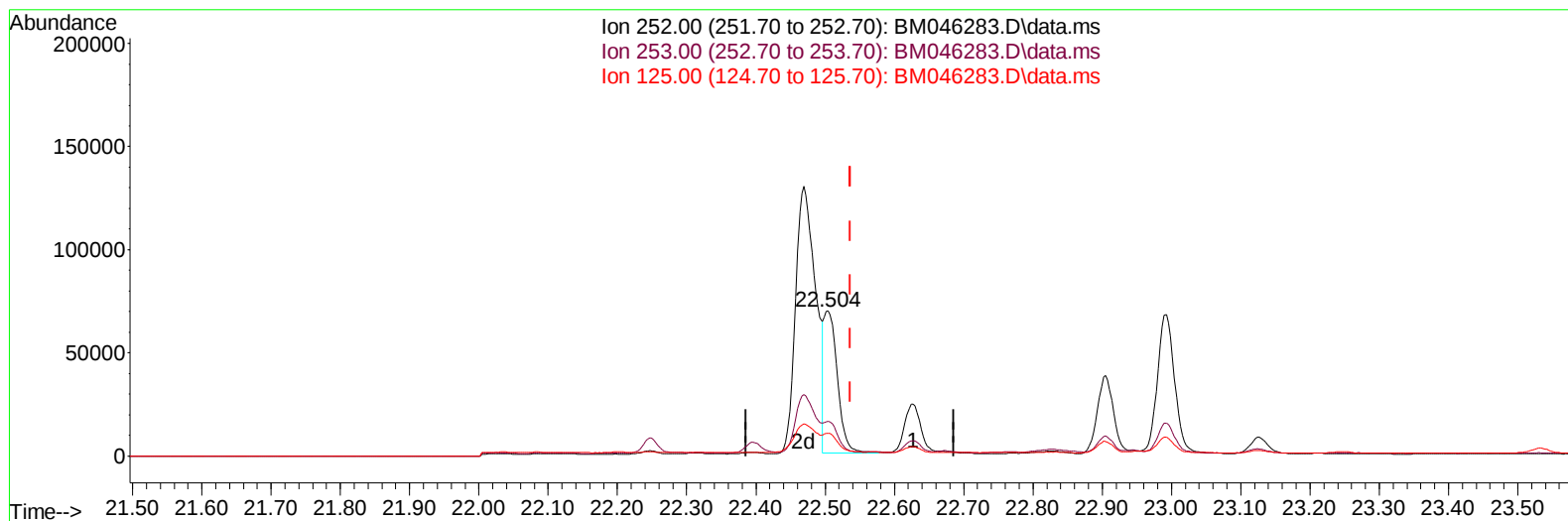
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
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Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM046283.D\data.ms

(25) Benzo(k)fluoranthene

22.504min (-0.032) 3.07 ng/u1 m

response 94579

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.92#
125.00	20.80	15.54#
0.00	0.00	0.00

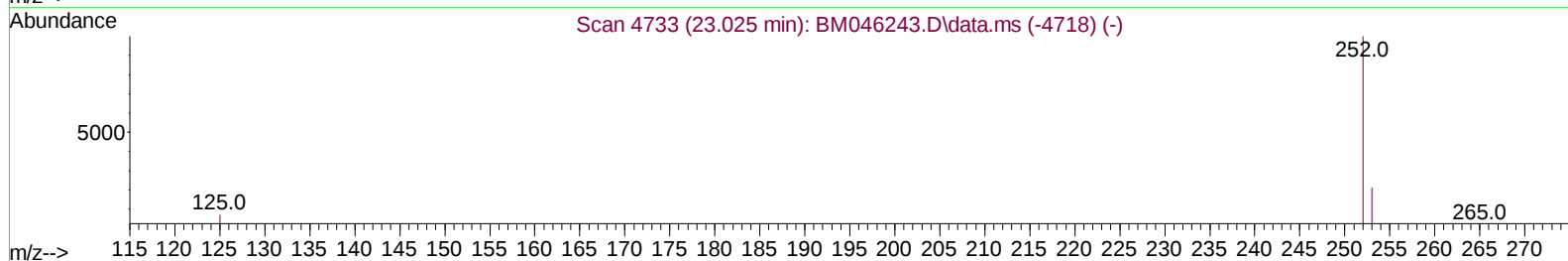
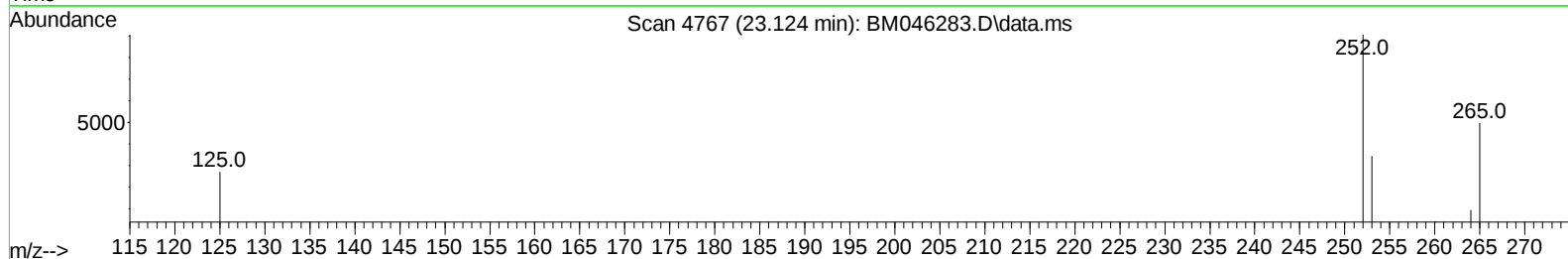
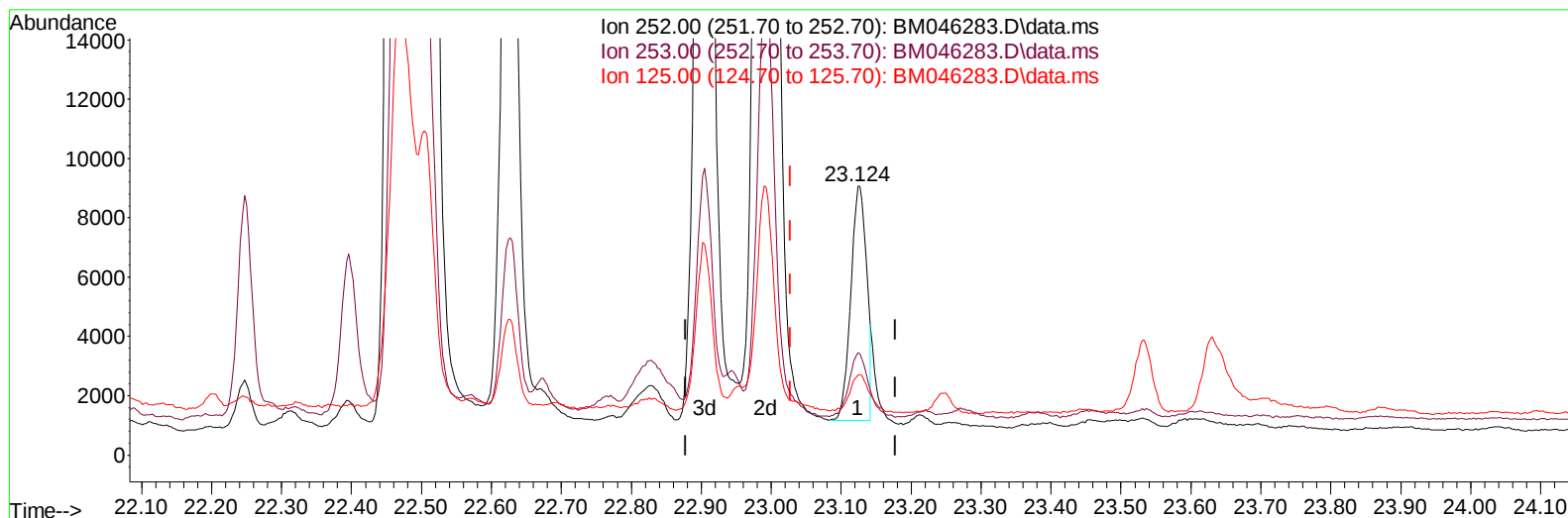
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TIC: BM046283.D\data.ms

(26) Benzo(a)pyrene (C)

23.124min (+ 0.096) 0.52 ng/u1

response 12431

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	38.12
125.00	26.50	29.94
0.00	0.00	0.00

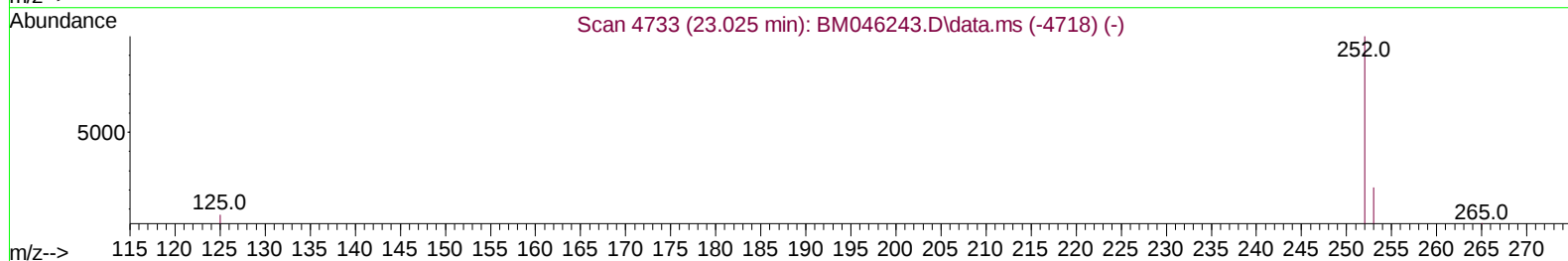
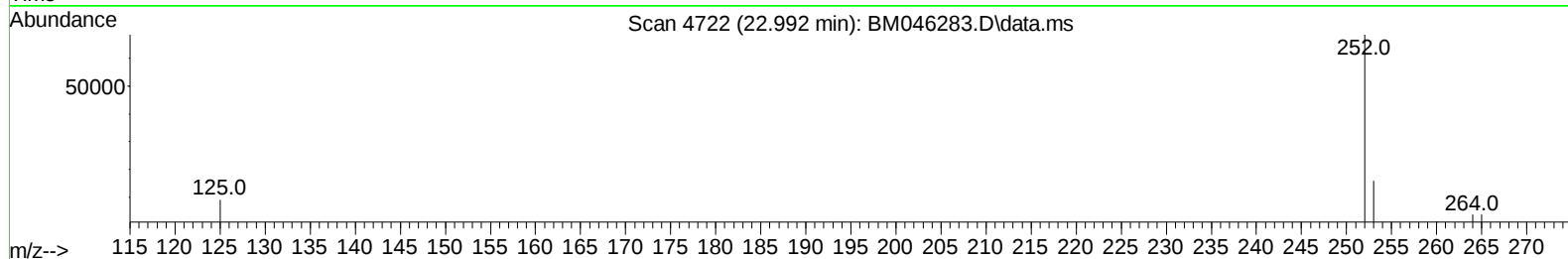
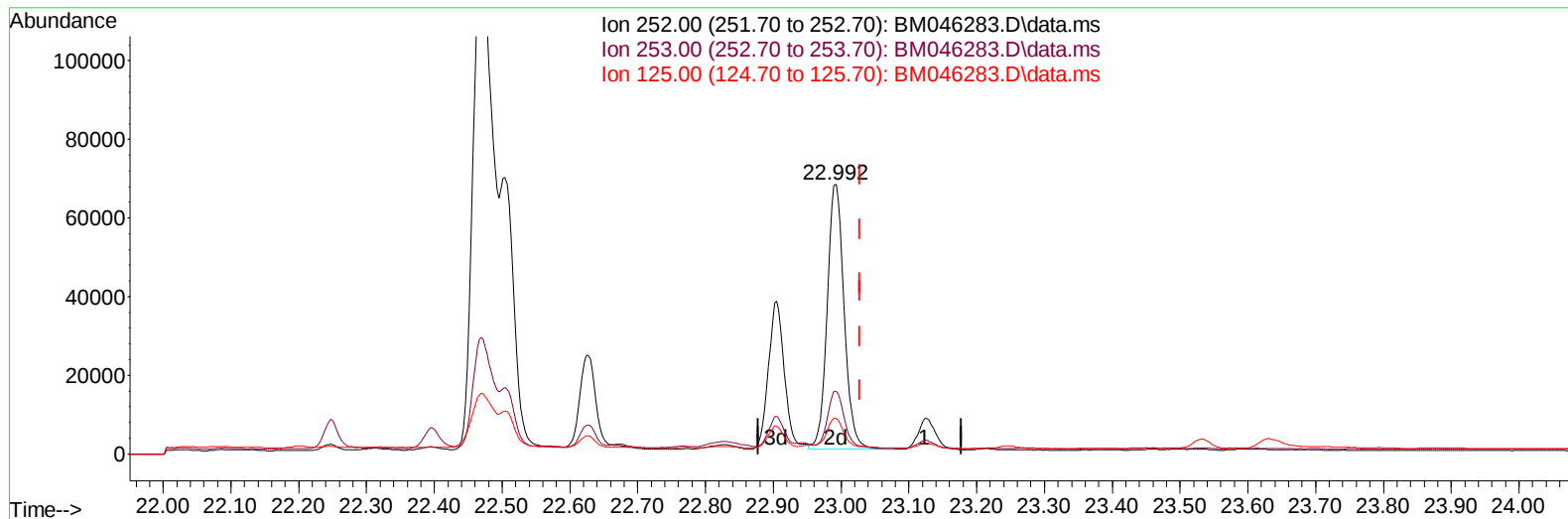
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Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM046283.D\data.ms

(26) Benzo(a)pyrene (C)

22.992min (-0.035) 4.88 ng/u1 m

response 117127

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	23.27#
125.00	26.50	13.17#
0.00	0.00	0.00

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 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
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 A4C47

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.396	152	2418	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.166	136	7343	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.044	164	3981	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.791	188	8897m	0.400	ng/ul	-0.06
17) Chrysene-d12	20.994	240	5967	0.400	ng/ul	-0.03
23) Perylene-d12	23.086	264	7190	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.021	96	9817	2.959	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.756	152	2535	0.257	ng/ul	-0.12
18) Fluoranthene-d10	18.825	212	5400	0.302	ng/ul	-0.05
Target Compounds						
						Qvalue
5) Naphthalene	10.210	128	10722	0.524	ng/ul	95
7) 2-Methylnaphthalene	11.827	142	5067	0.440	ng/ul	98
8) 1-Methylnaphthalene	12.053	142	4679	0.370	ng/ul	99
10) Acenaphthylene	13.762	152	17129	0.907	ng/ul	99
11) Acenaphthene	14.109	153	14250	1.045	ng/ul	97
12) Fluorene	15.099	166	19349	1.323	ng/ul	99
15) Phenanthrene	16.829	178	351340m	14.056	ng/ul	
16) Anthracene	16.922	178	96473m	5.182	ng/ul	
19) Fluoranthene	18.853	202	484624	18.758	ng/ul	97
20) Pyrene	19.220	202	356939	12.775	ng/ul#	94
21) Benzo(a)anthracene	20.976	228	206344	8.953	ng/ul	99
22) Chrysene	21.029	228	200990	6.833	ng/ul	99
24) Benzo(b)fluoranthene	22.469	252	265995m	10.268	ng/ul	
25) Benzo(k)fluoranthene	22.504	252	94579m	3.071	ng/ul	
26) Benzo(a)pyrene	22.992	252	117127m	4.880	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.115	276	114700	2.920	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.121	278	32622	1.115	ng/ul	93
29) Benzo(g,h,i)perylene	25.742	276	16486	0.489	ng/ul	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046283.D
Acq On : 25 Jun 2024 09:52
Operator : MA/JU
Sample : P2844-22
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C47

Manual IntegrationsAPPROVED

Quant Time: Jun 25 11:14:04 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 : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

