

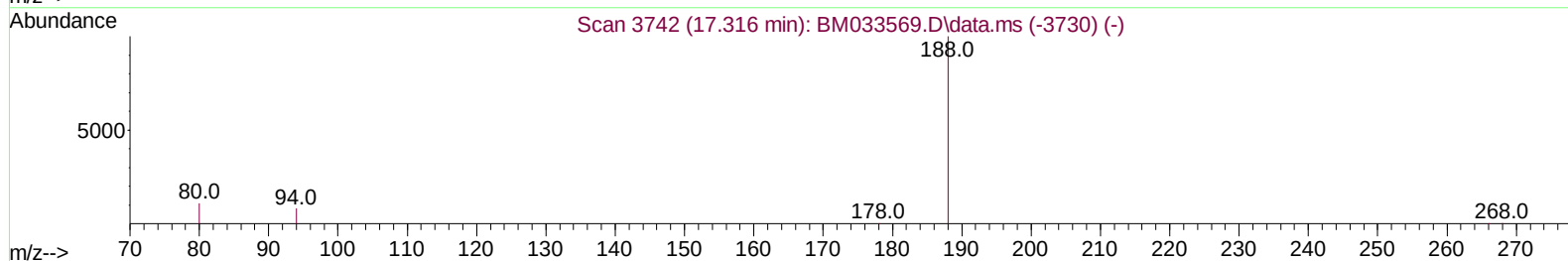
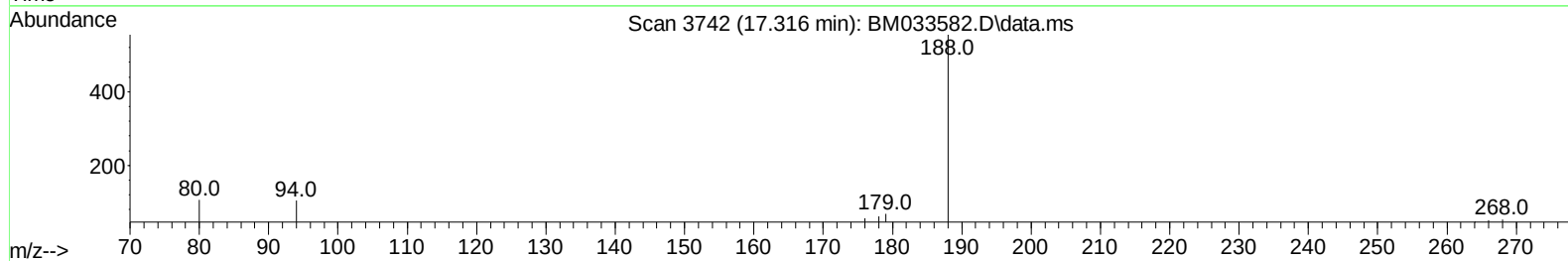
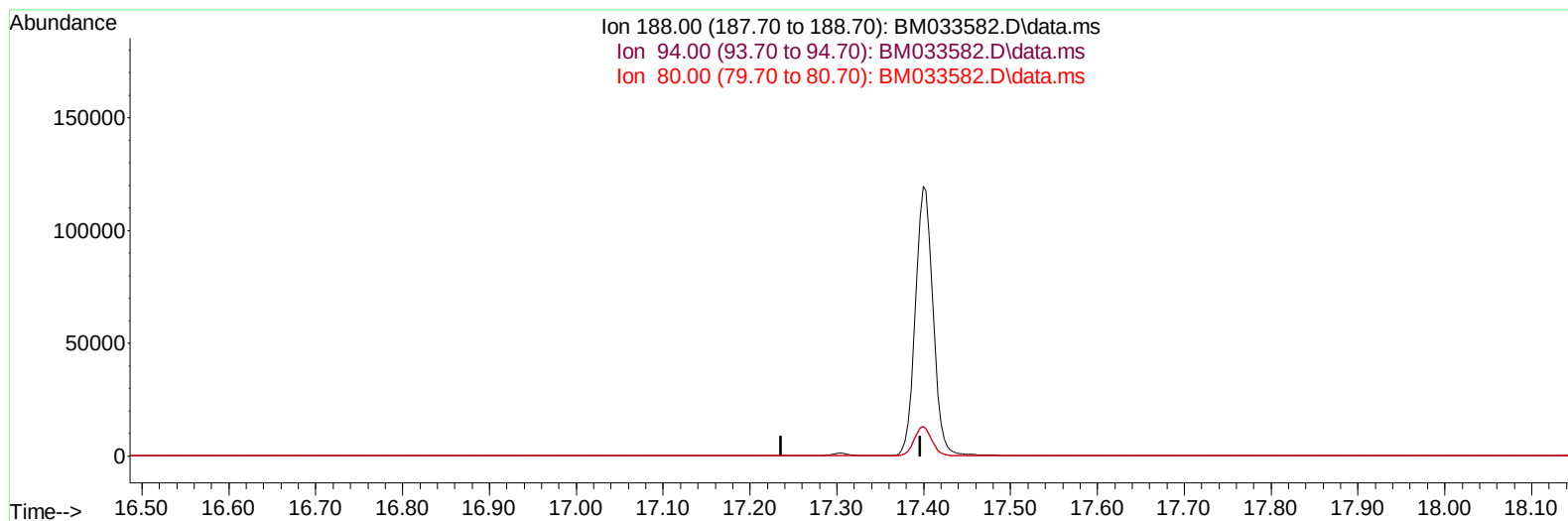
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

Quant Time: Dec 23 00:37:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 12:43:31 2021
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021



TIC: BM033582.D\data.ms

(13) Phenanthrene-d10 (I)

17.316min (-17.316) 0.00 ng/u1

response 0

Ion	Exp%	Act%
188.00	100.00	0.00
94.00	13.30	0.00#
80.00	15.50	0.00#
0.00	0.00	0.00

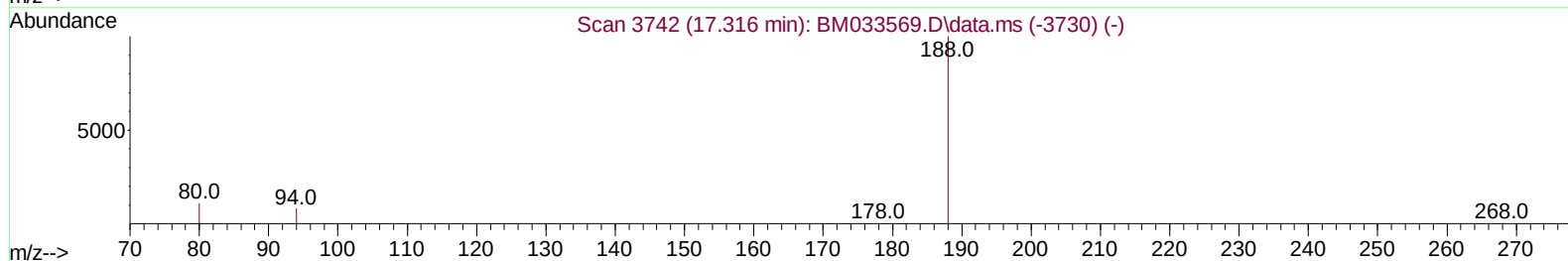
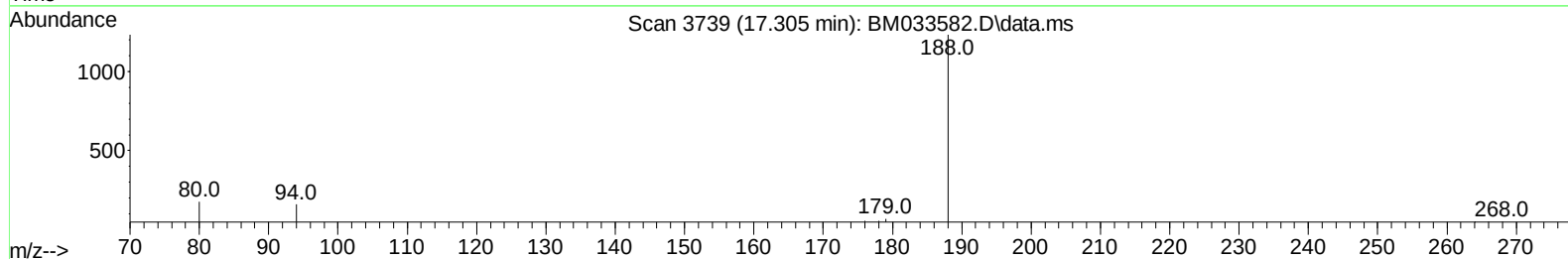
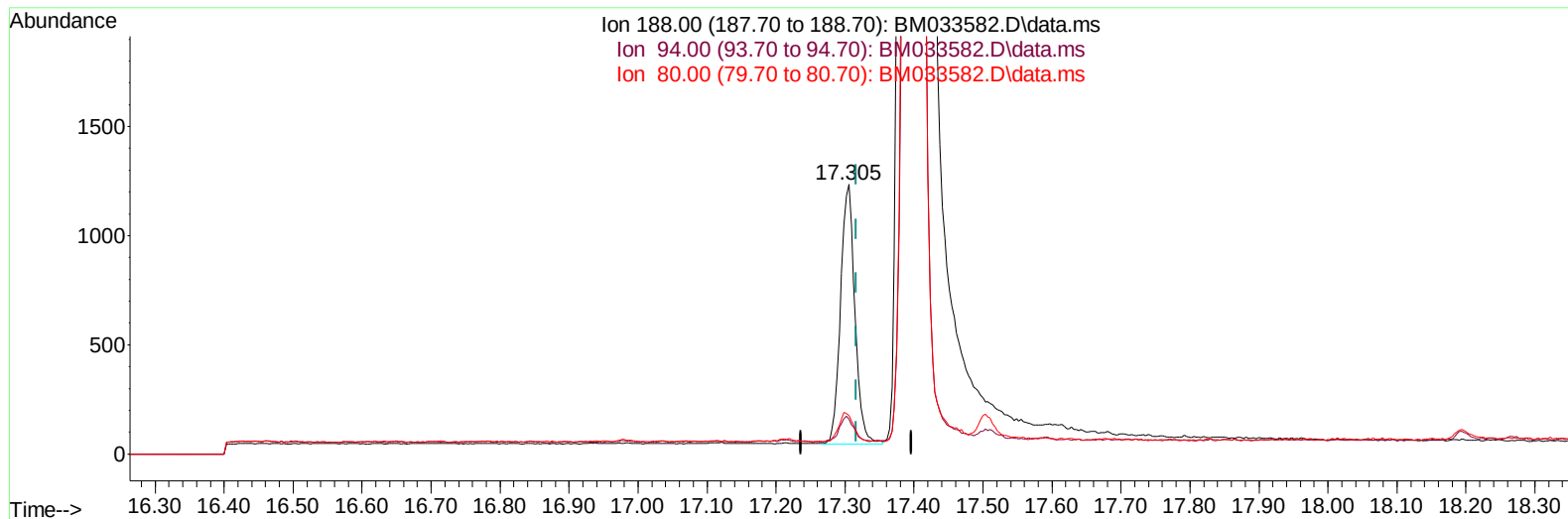
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
Data File : BM033582.D
Acq On : 22 Dec 2021 19:16
Operator : CG/JU
Sample : M5034-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00V0

Manual IntegrationsAPPROVED

Quant Time: Dec 23 00:37:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 12:43:31 2021
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



TIC: BM033582.D\data.ms

(13) Phenanthrene-d10 (I)

17.305min (-0.011) 0.40 ng/ul m

response 1701

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.30	12.88
80.00	15.50	14.34
0.00	0.00	0.00

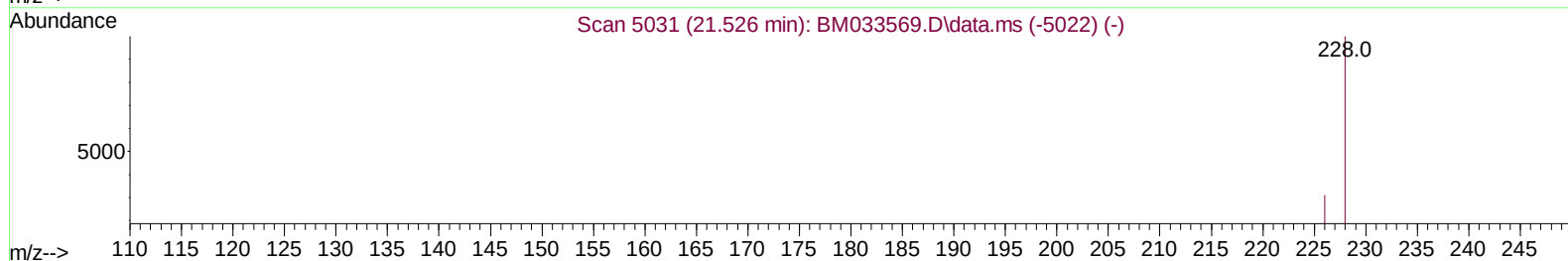
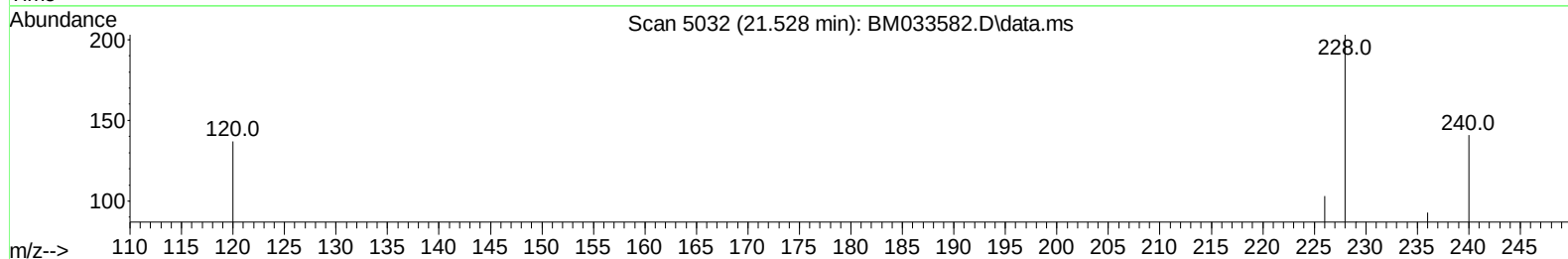
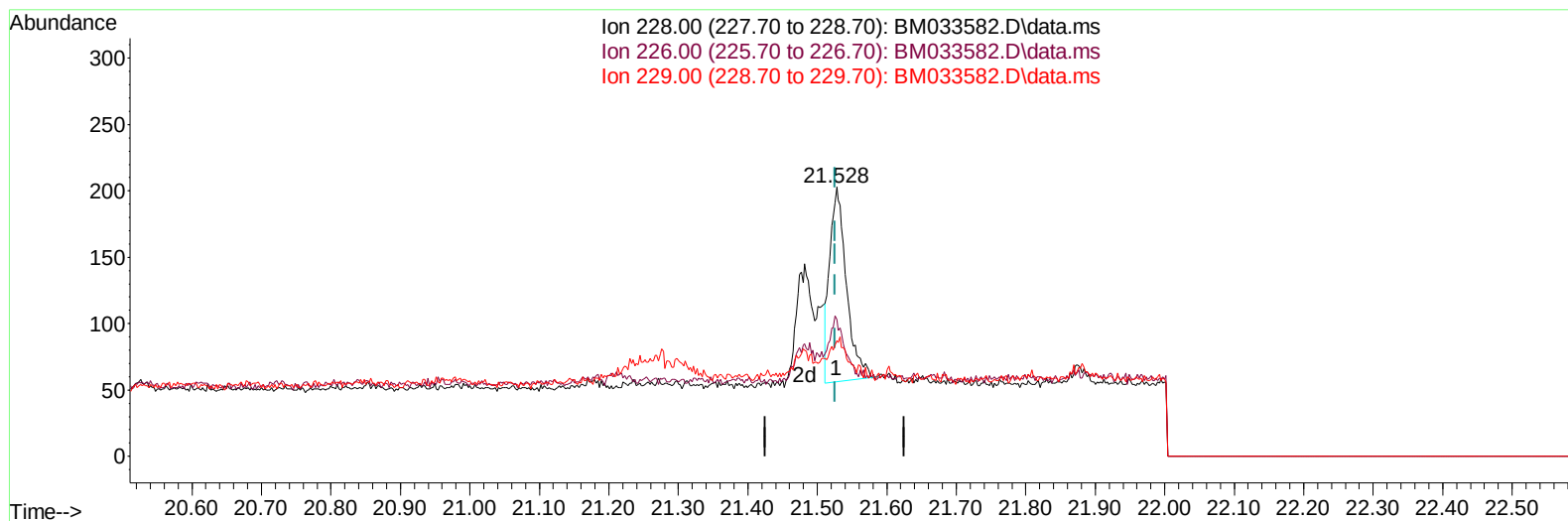
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

Quant Time: Dec 23 00:37:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
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TIC: BM033582.D\data.ms

(22) Chrysene

21.528min (+ 0.002) 0.04 ng/u1

response 246

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	32.30	50.74#
229.00	20.90	42.86#
0.00	0.00	0.00

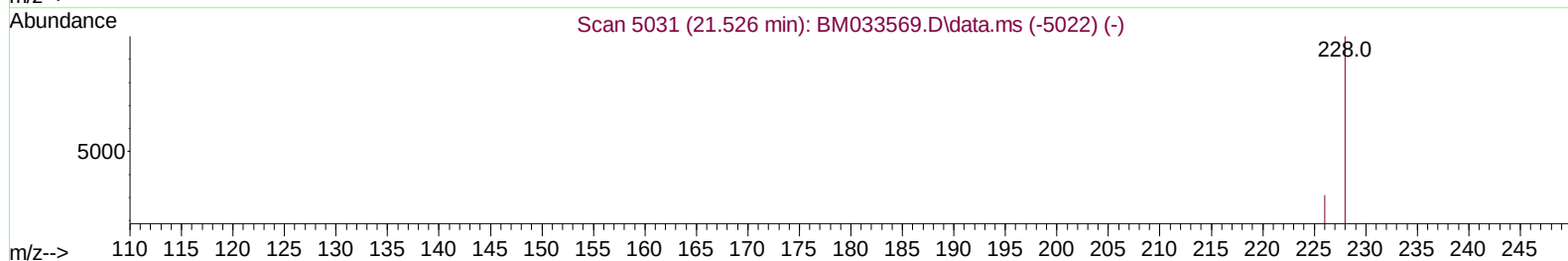
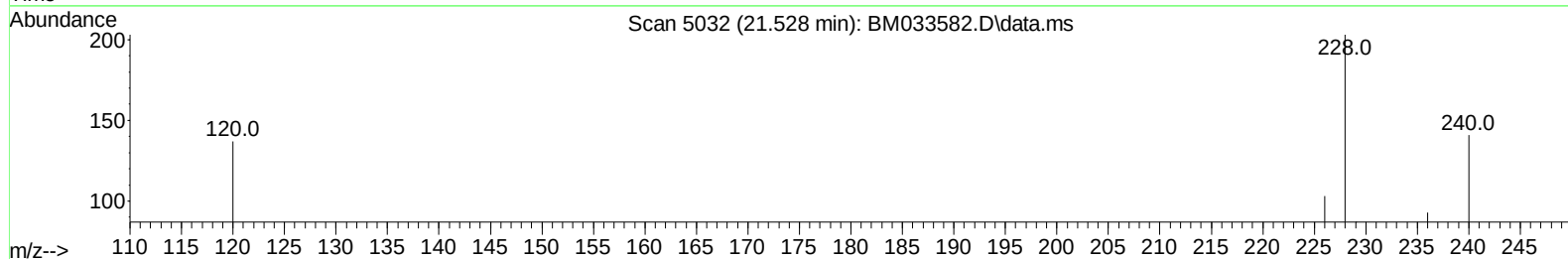
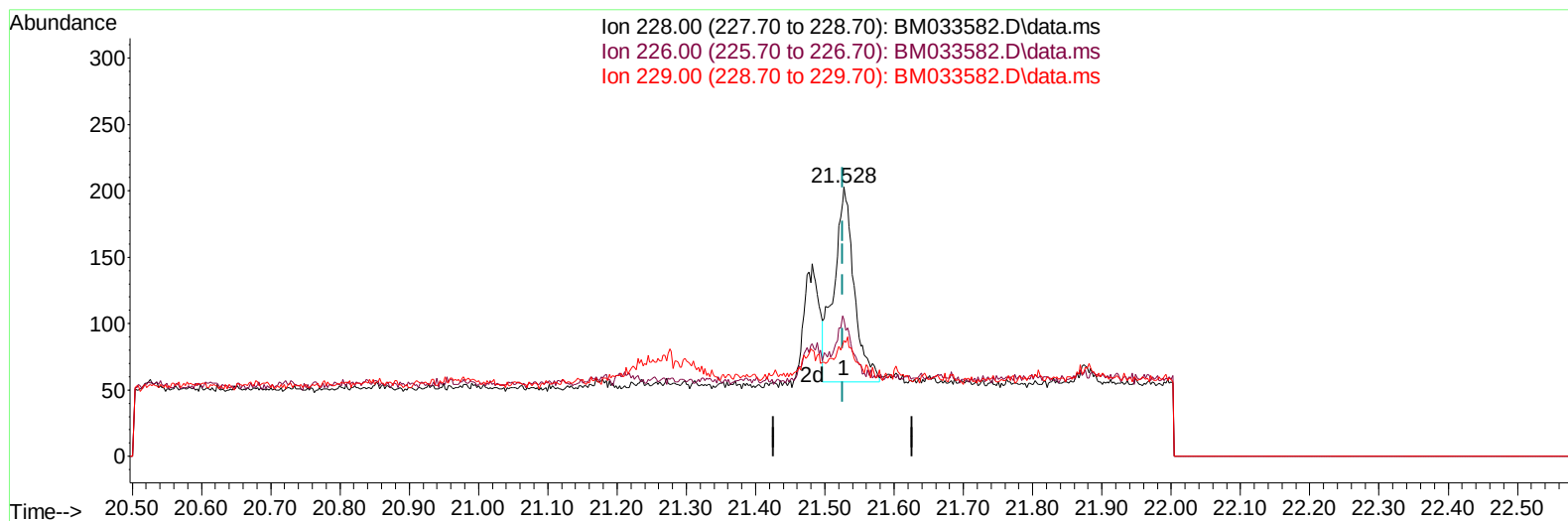
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

Quant Time: Dec 23 00:37:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
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 Supervised By :mohammad ahmed 12/29/2021



TIC: BM033582.D\data.ms

(22) Chrysene

21.528min (+ 0.002) 0.05 ng/ul m

response 300

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	32.30	50.74#
229.00	20.90	42.86#
0.00	0.00	0.00

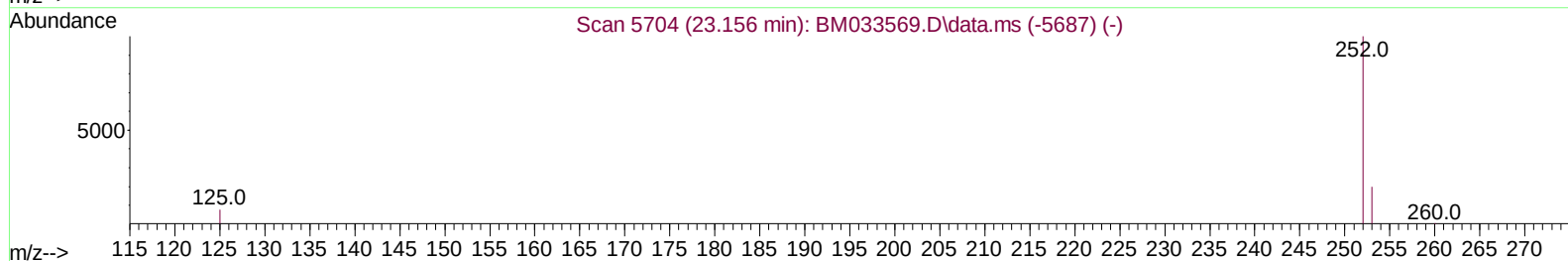
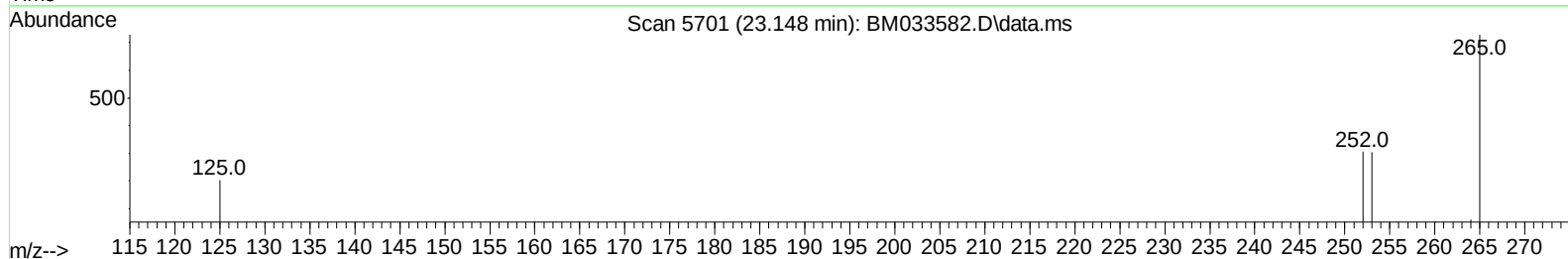
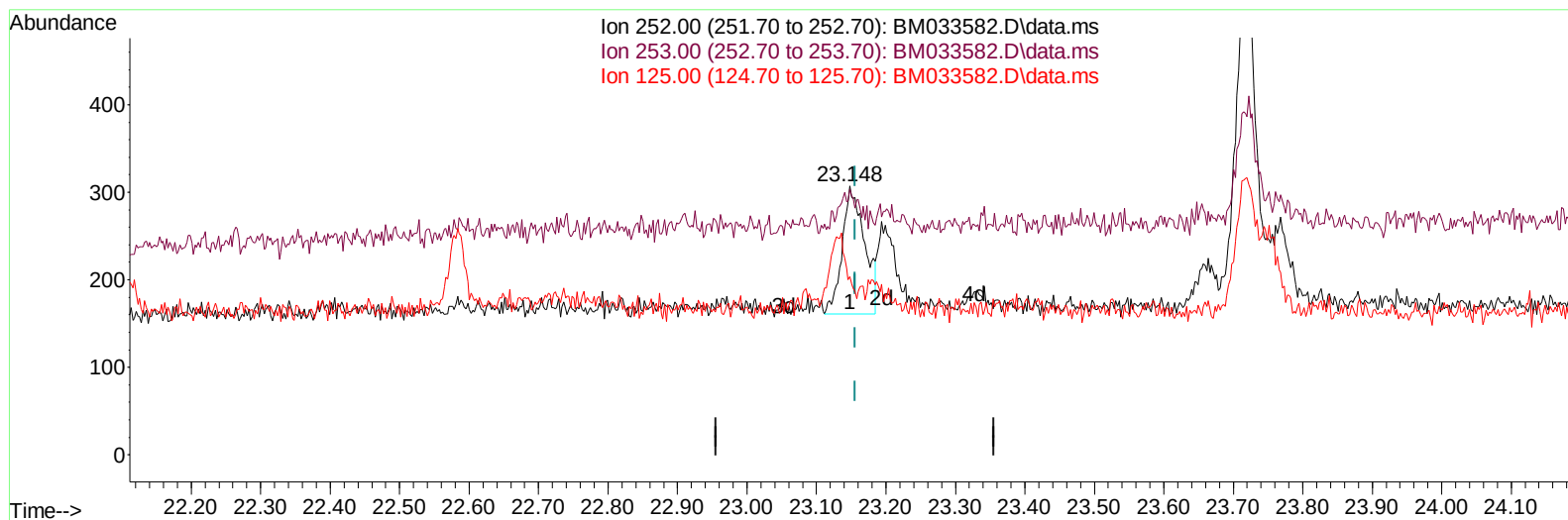
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 C00V0

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TIC: BM033582.D\data.ms

(24) Benzo(b)fluoranthene

23.148min (-0.008) 0.04 ng/u1

response 324

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.10	99.02#
125.00	14.40	66.45#
0.00	0.00	0.00

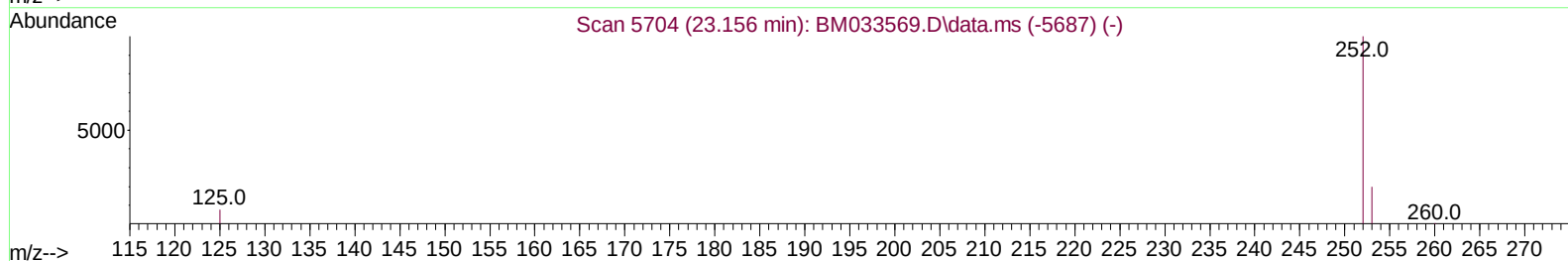
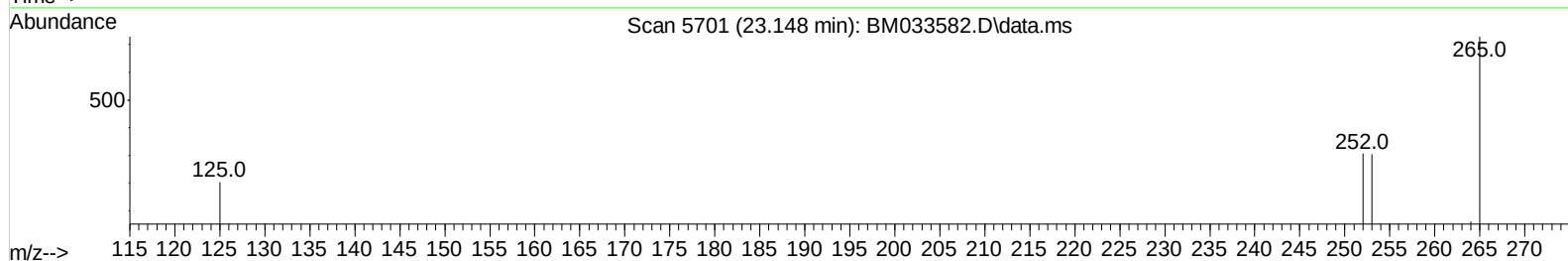
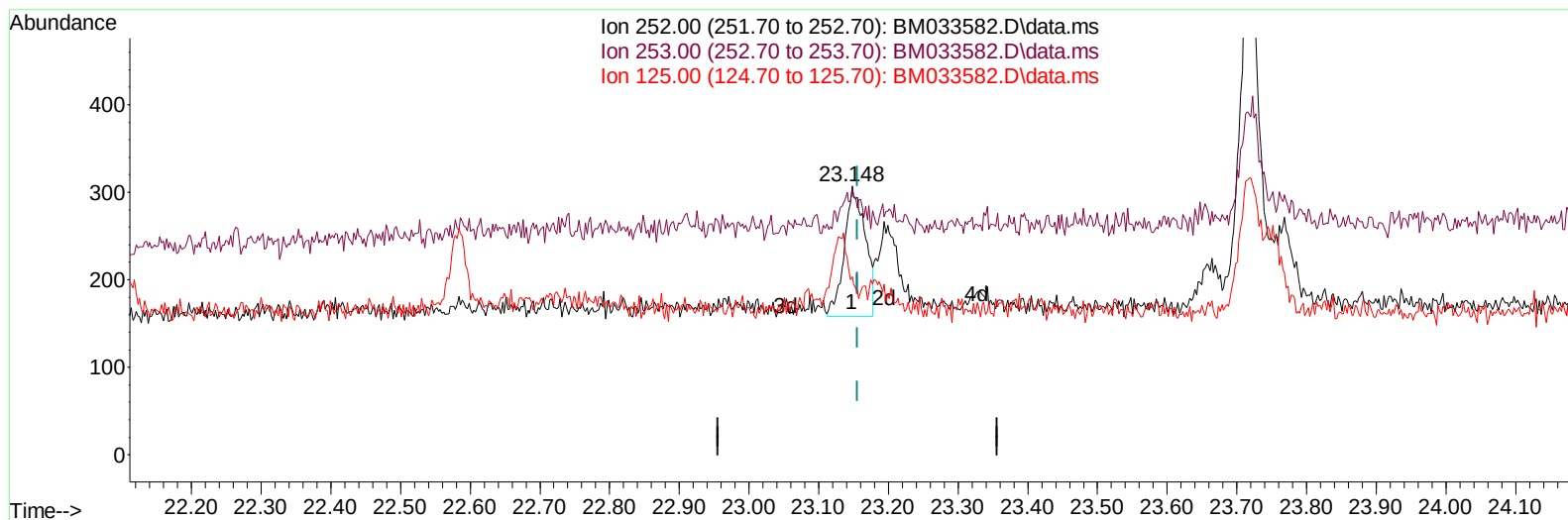
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021

Quant Time: Dec 23 00:37:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 12:43:31 2021
 Response via : Initial Calibration



TIC: BM033582.D\data.ms

(24) Benzo(b)fluoranthene

23.148min (-0.008) 0.04 ng/ul m

response 309

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.10	99.02#
125.00	14.40	66.45#
0.00	0.00	0.00

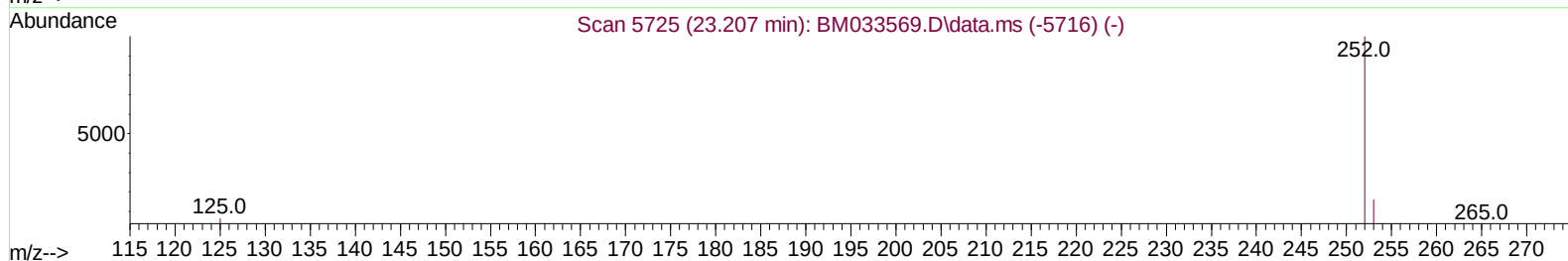
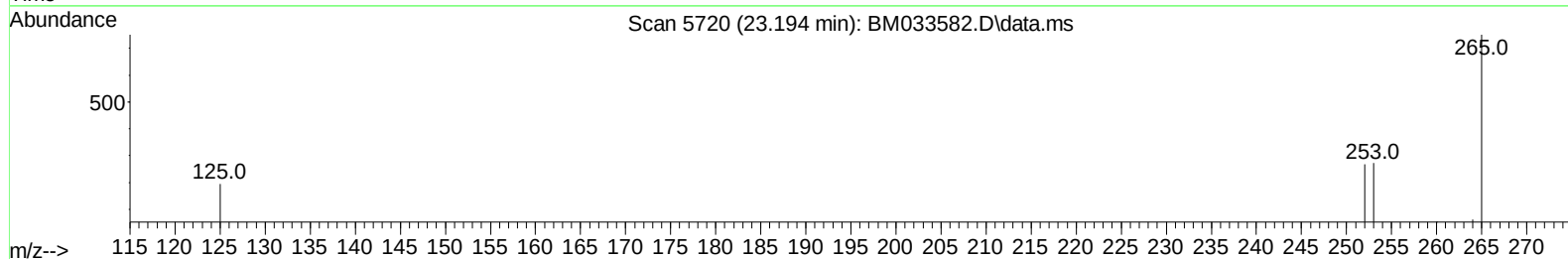
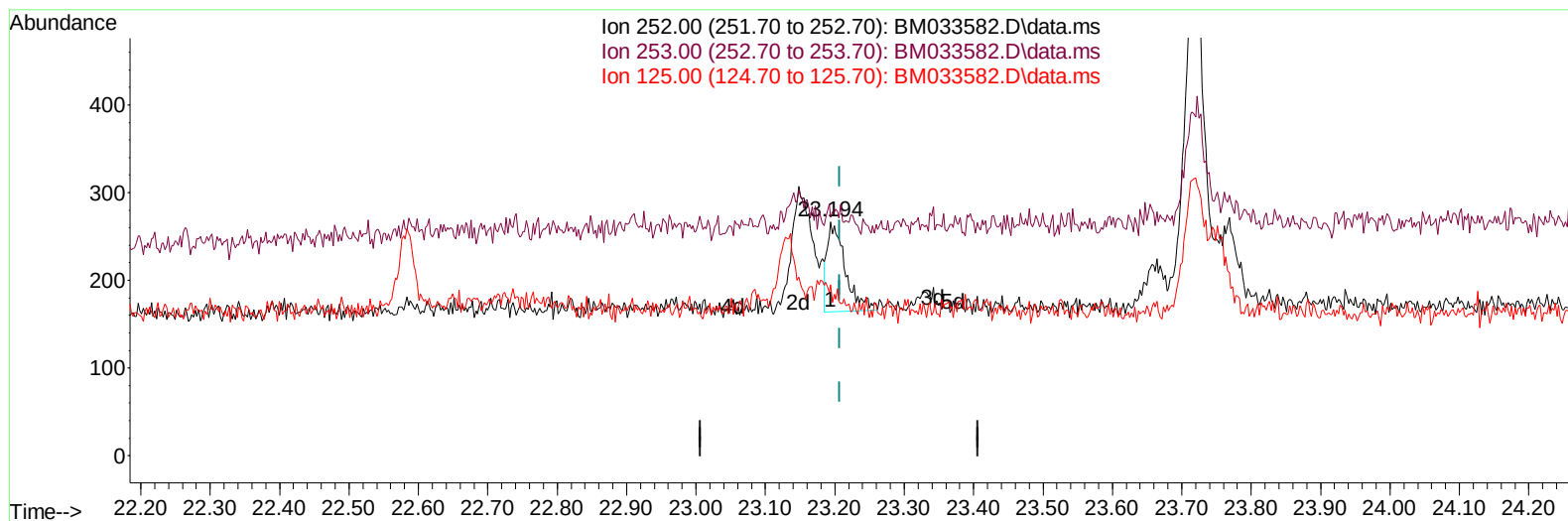
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

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Quant Time: Dec 23 00:37:34 2021
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 Response via : Initial Calibration



TIC: BM033582.D\data.ms

(25) Benzo(k)fluoranthene

23.194min (-0.013) 0.02 ng/u1

response 186

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.50	101.87#
125.00	15.00	73.03#
0.00	0.00	0.00

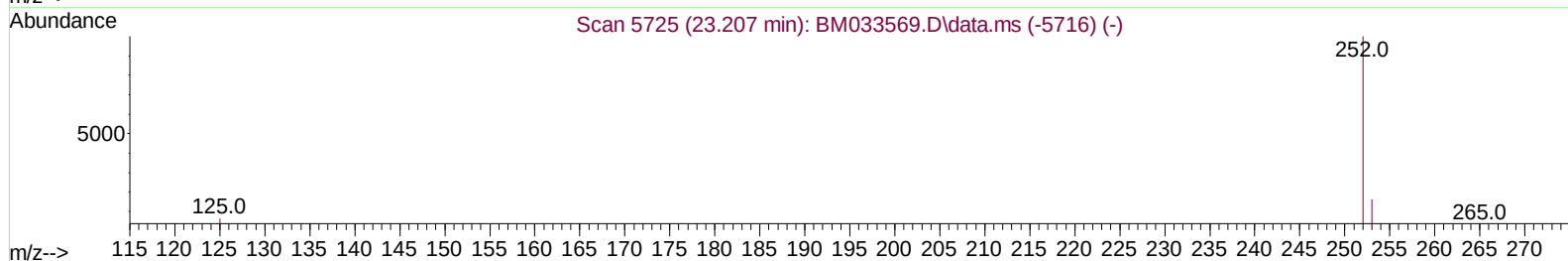
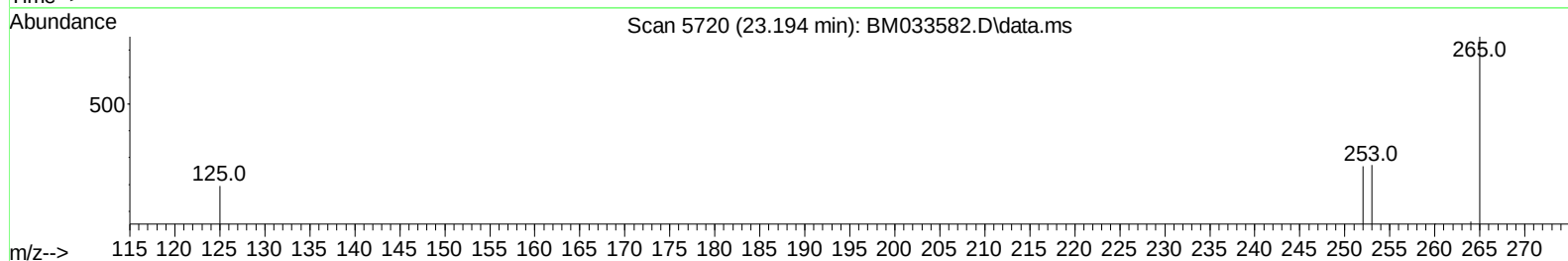
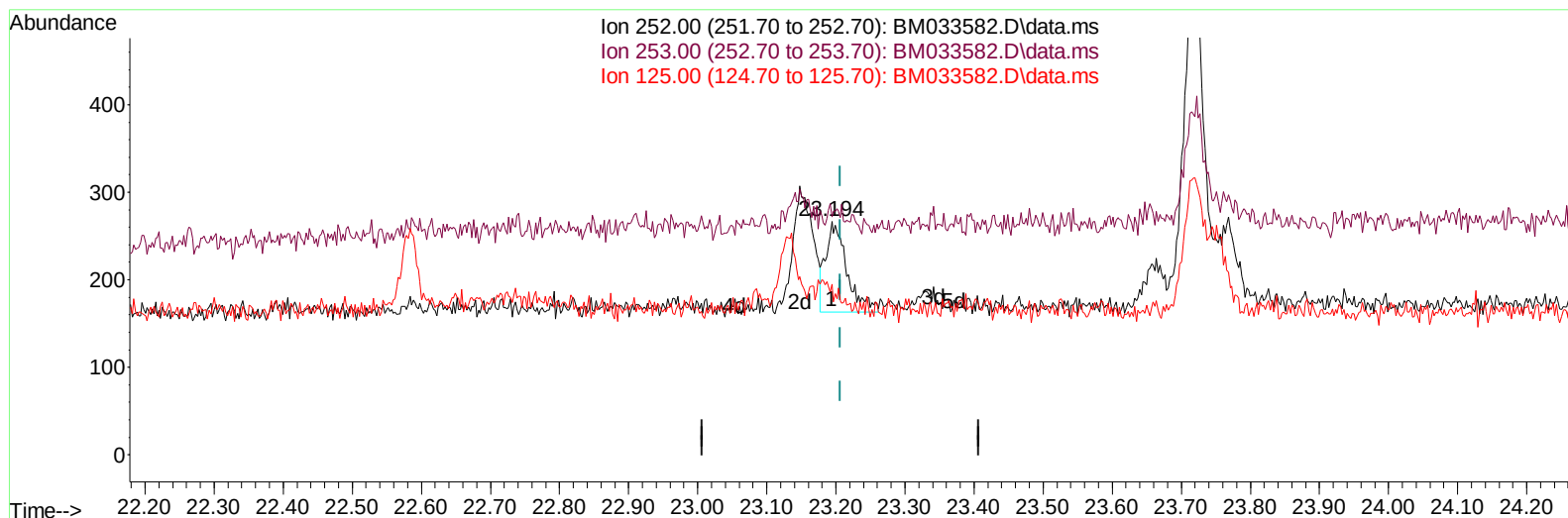
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

Quant Time: Dec 23 00:37:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 12:43:31 2021
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021



TIC: BM033582.D\data.ms

(25) Benzo(k)fluoranthene

23.194min (-0.013) 0.03 ng/ul m

response 221

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.50	101.87#
125.00	15.00	73.03#
0.00	0.00	0.00

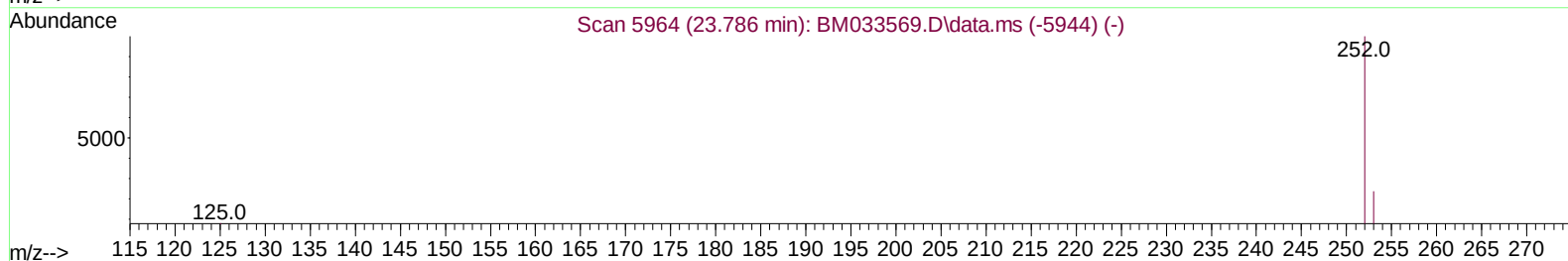
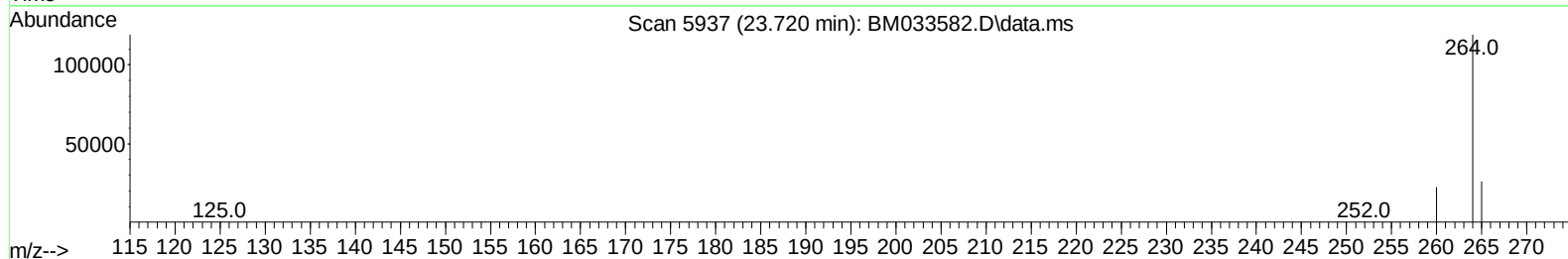
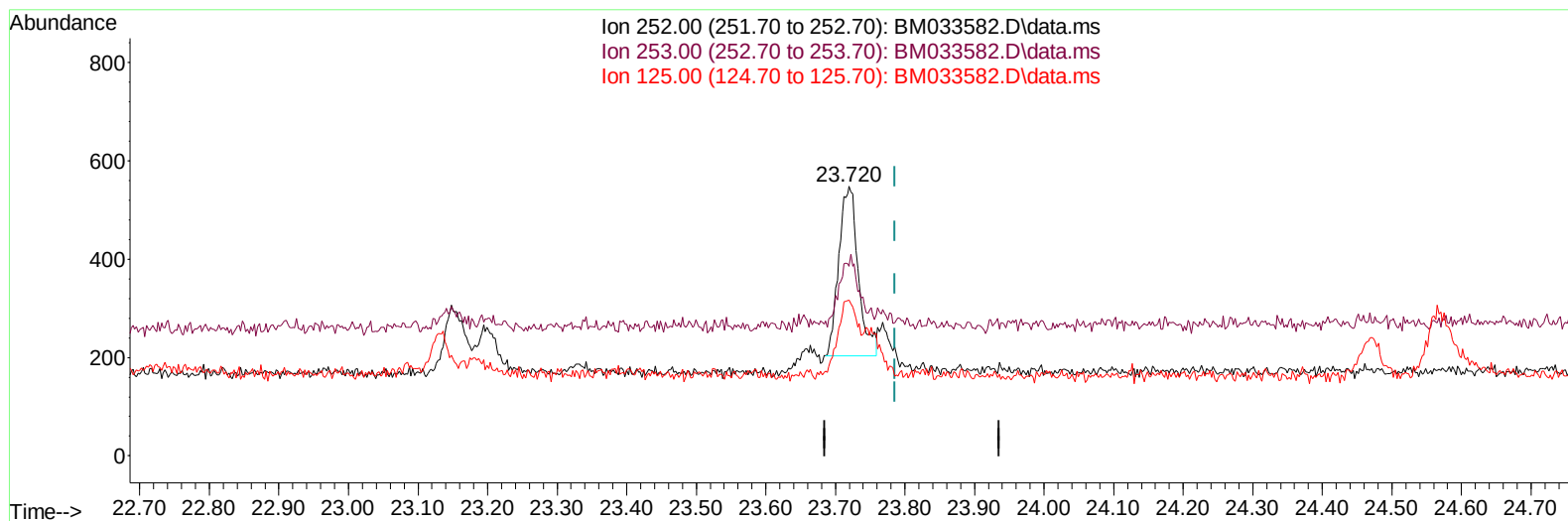
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
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TIC: BM033582.D\data.ms

(26) Benzo(a)pyrene (C)

23.720min (-0.066) 0.10 ng/u1

response 666

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.00	70.44#
125.00	18.10	57.85#
0.00	0.00	0.00

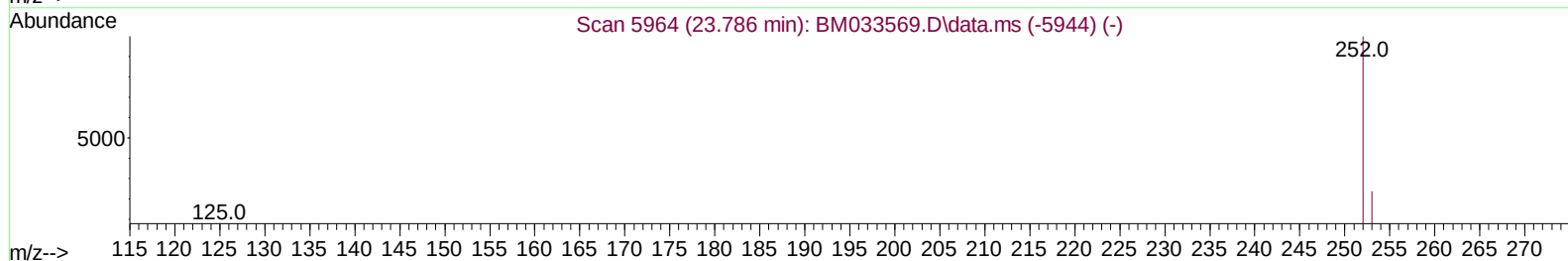
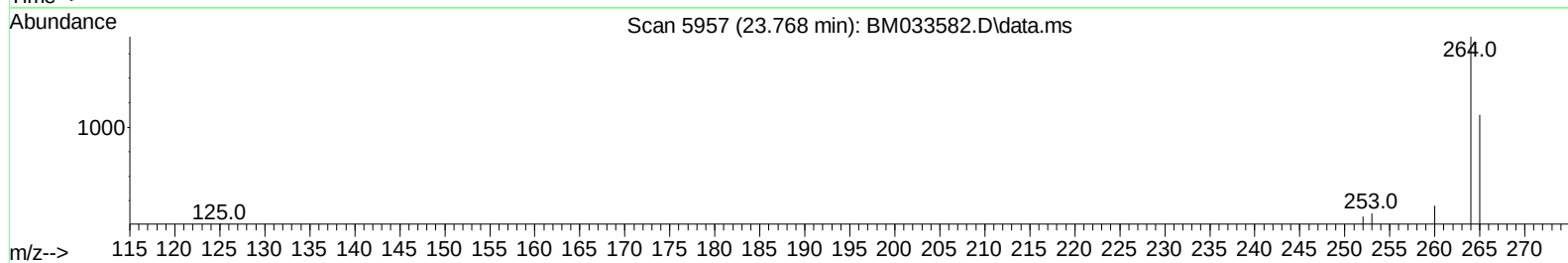
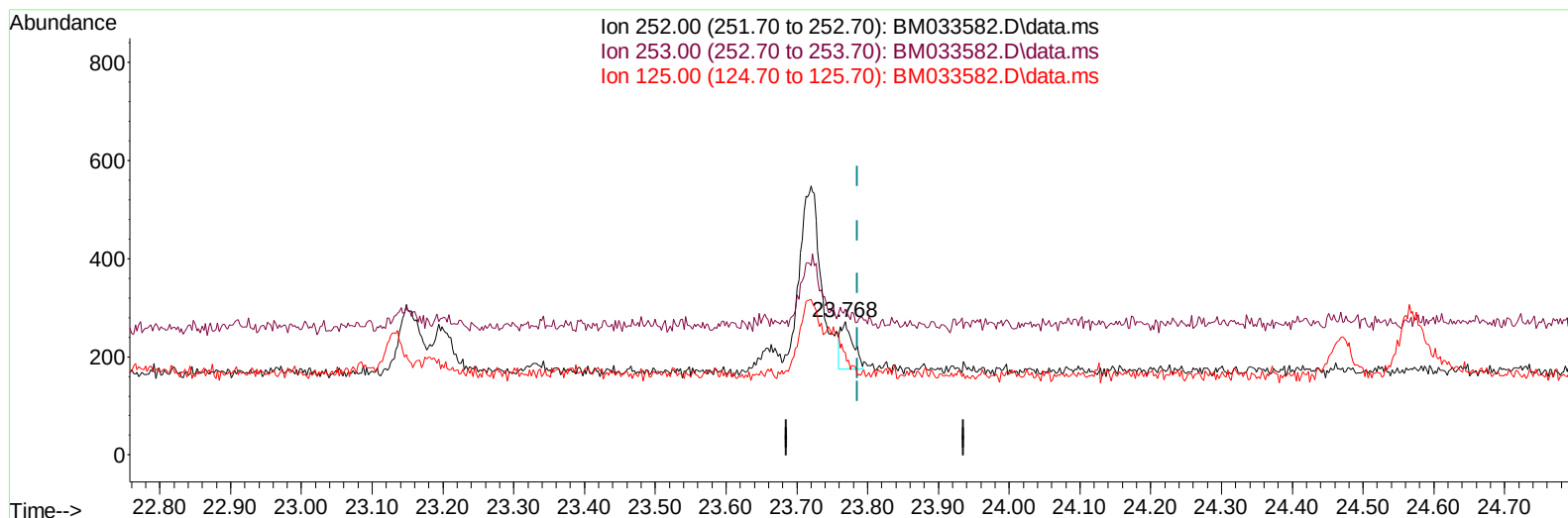
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
Data File : BM033582.D
Acq On : 22 Dec 2021 19:16
Operator : CG/JU
Sample : M5034-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00V0

Manual IntegrationsAPPROVED

Quant Time: Dec 23 00:37:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 12:43:31 2021
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/23/2021
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TIC: BM033582.D\data.ms

(26) Benzo(a)pyrene (C)

23.768min (-0.017) 0.02 ng/ul m

response 118

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.00	109.19#
125.00	18.10	76.84#
0.00	0.00	0.00

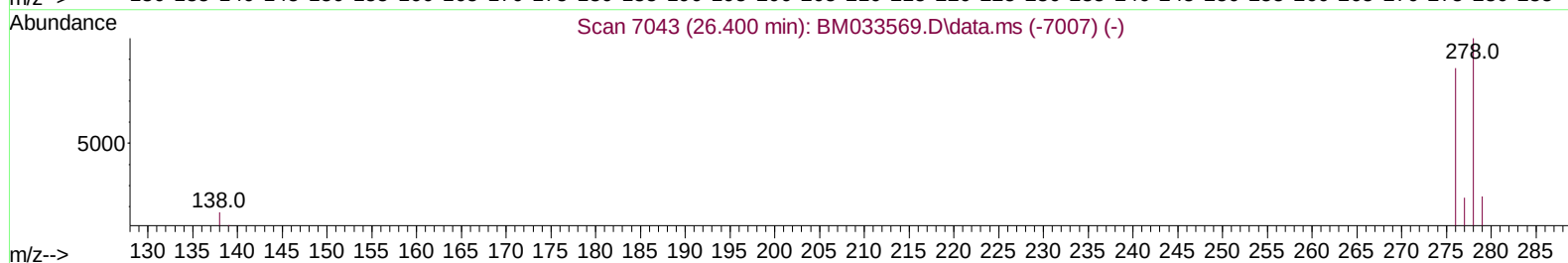
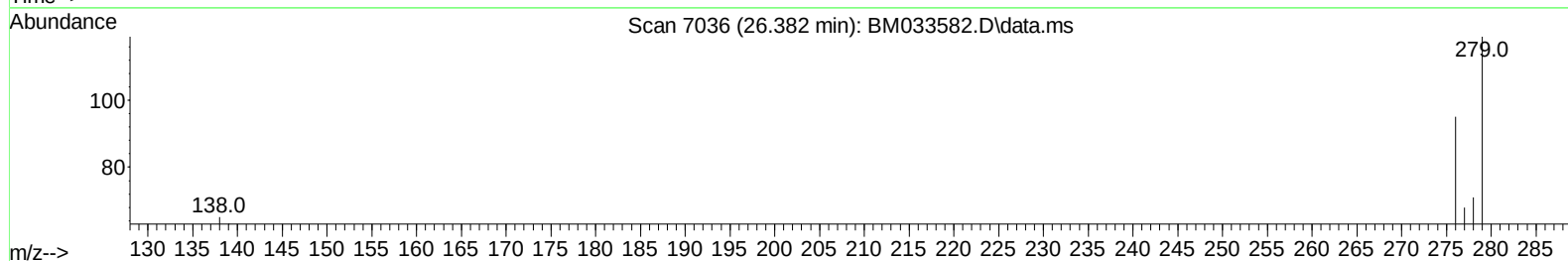
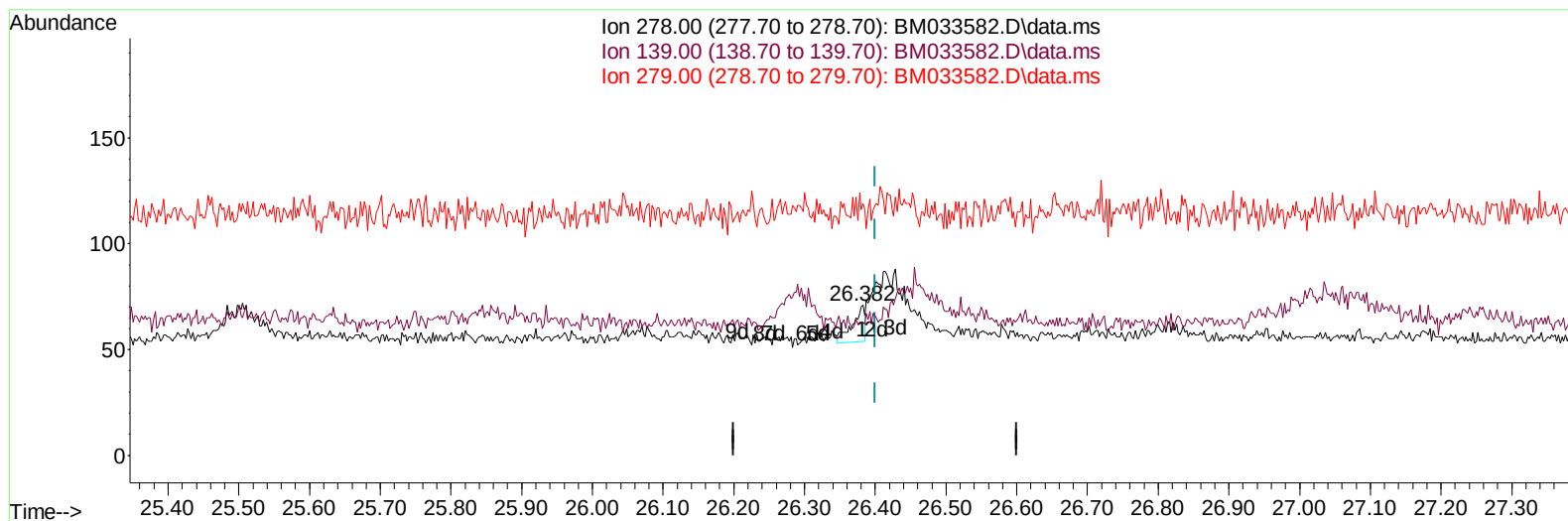
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

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TIC: BM033582.D\data.ms

(28) Dibenzo(a,h)anthracene

26.382min (-0.017) 0.00 ng/u1

response 20

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.50	88.73#
279.00	35.70	167.61#
0.00	0.00	0.00

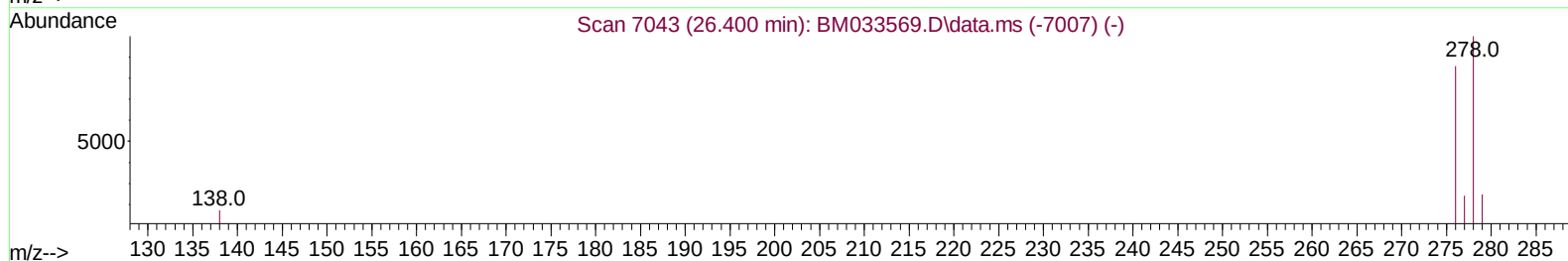
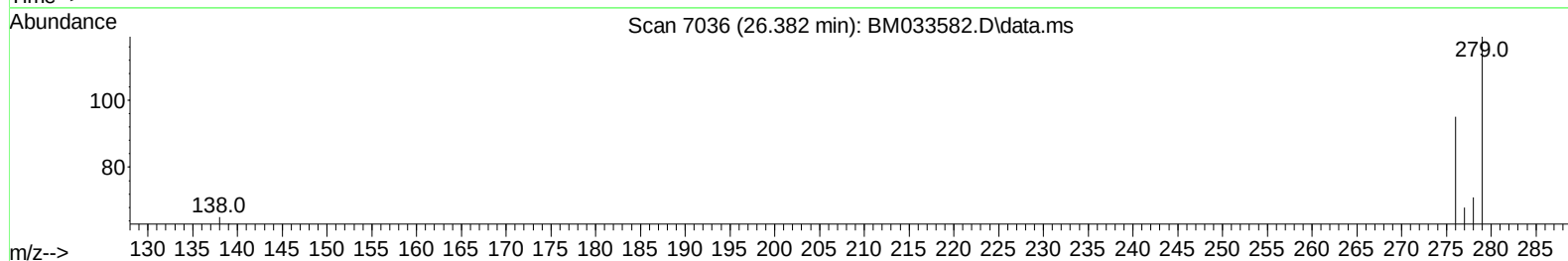
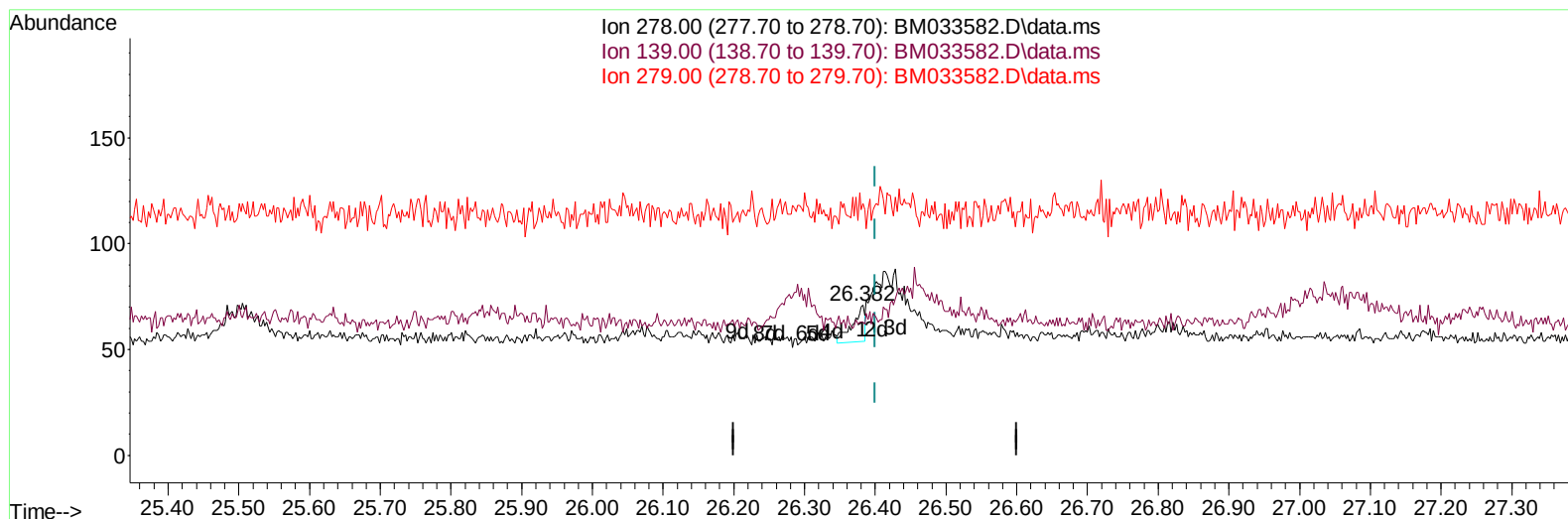
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

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TIC: BM033582.D\data.ms

(28) Dibenzo(a,h)anthracene

26.382min (-0.017) 0.00 ng/u1

response 20

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.50	88.73#
279.00	35.70	167.61#
0.00	0.00	0.00

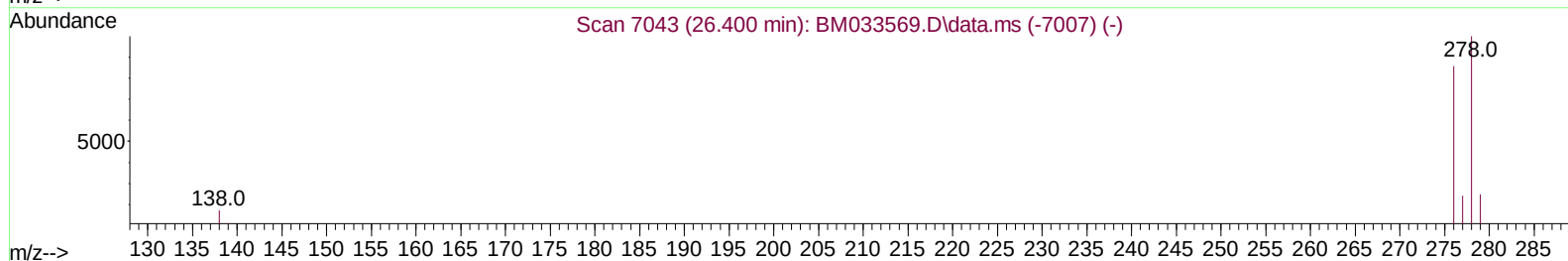
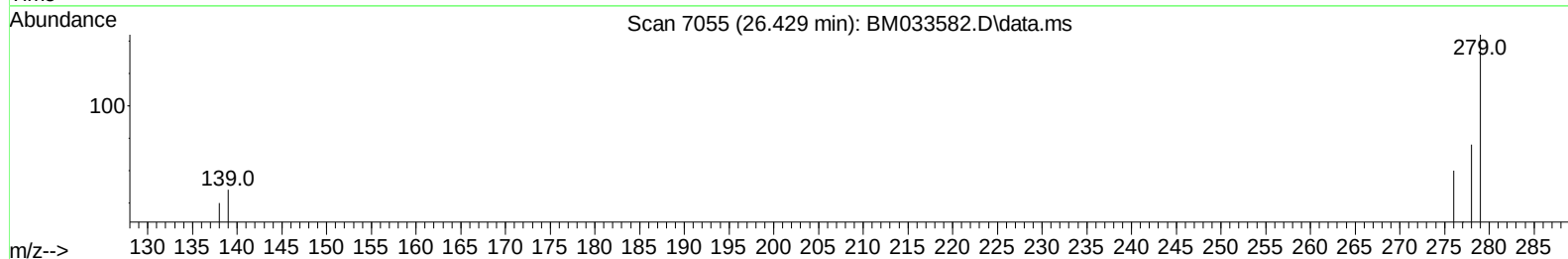
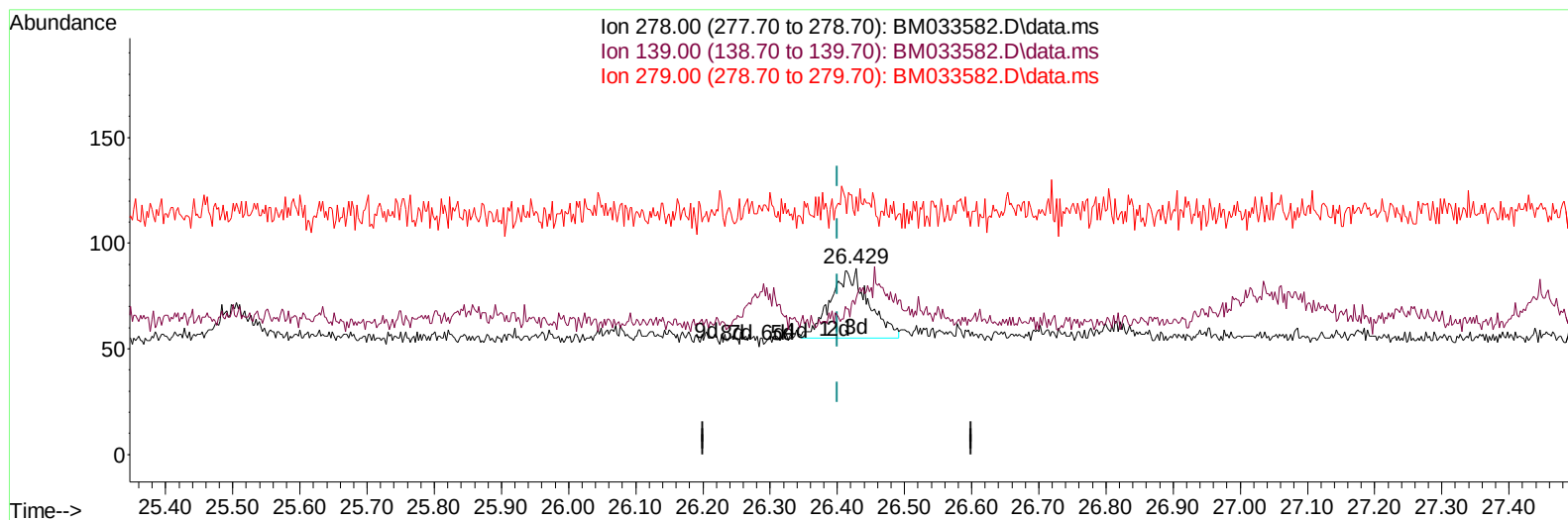
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
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 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/29/2021



TIC: BM033582.D\data.ms

(28) Dibenzo(a,h)anthracene

26.429min (+ 0.029) 0.02 ng/ul m

response 129

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	22.50	84.09#
279.00	35.70	138.64#
0.00	0.00	0.00

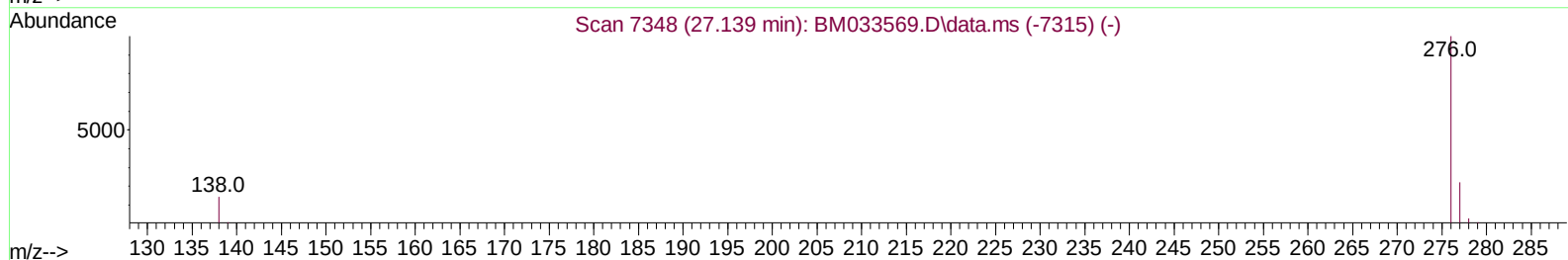
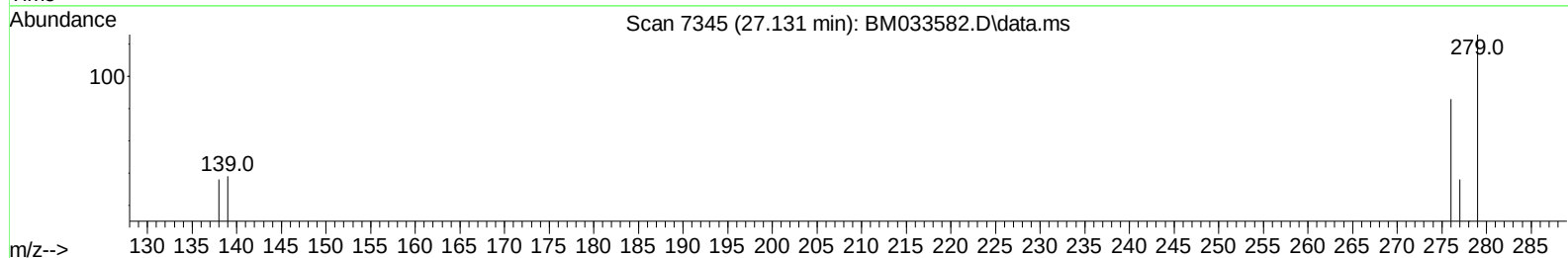
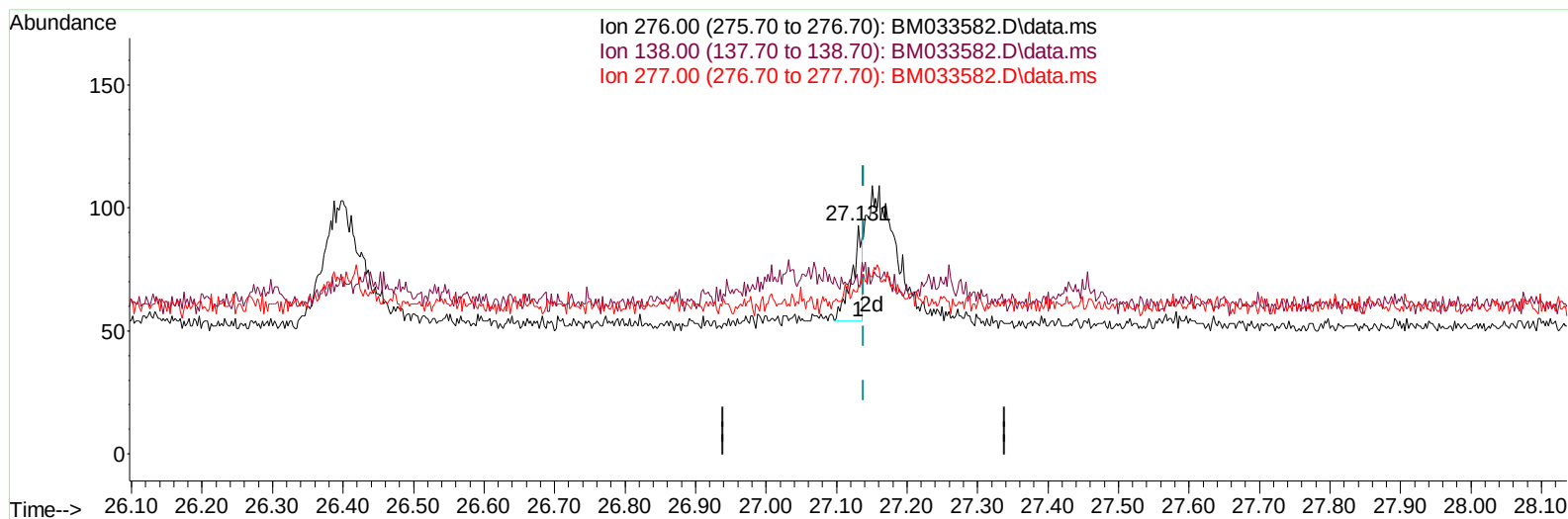
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021

Quant Time: Dec 23 00:37:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 12:43:31 2021
 Response via : Initial Calibration



TIC: BM033582.D\data.ms

(29) Benzo(g,h,i)perylene

27.131min (-0.008) 0.00 ng/u1

response 38

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.70	73.12#
277.00	28.20	73.12#
0.00	0.00	0.00

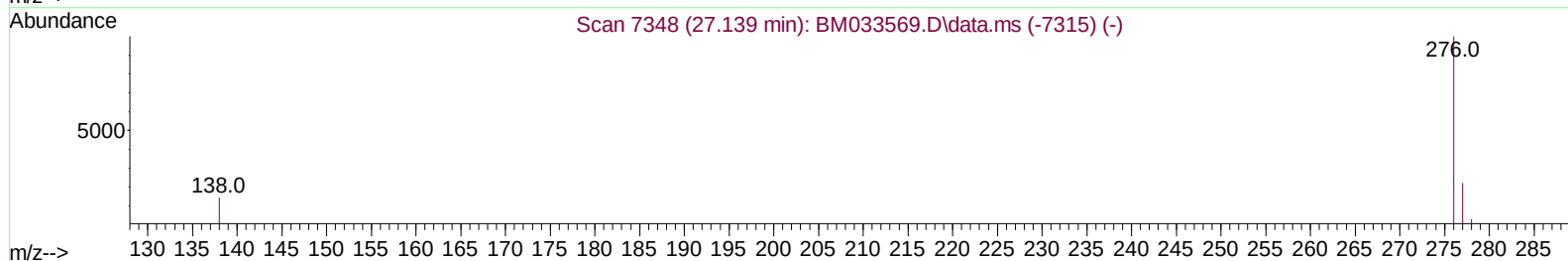
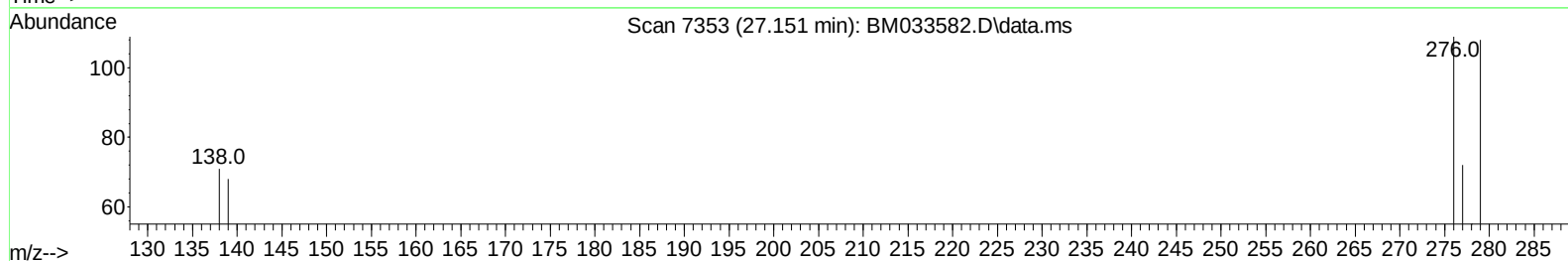
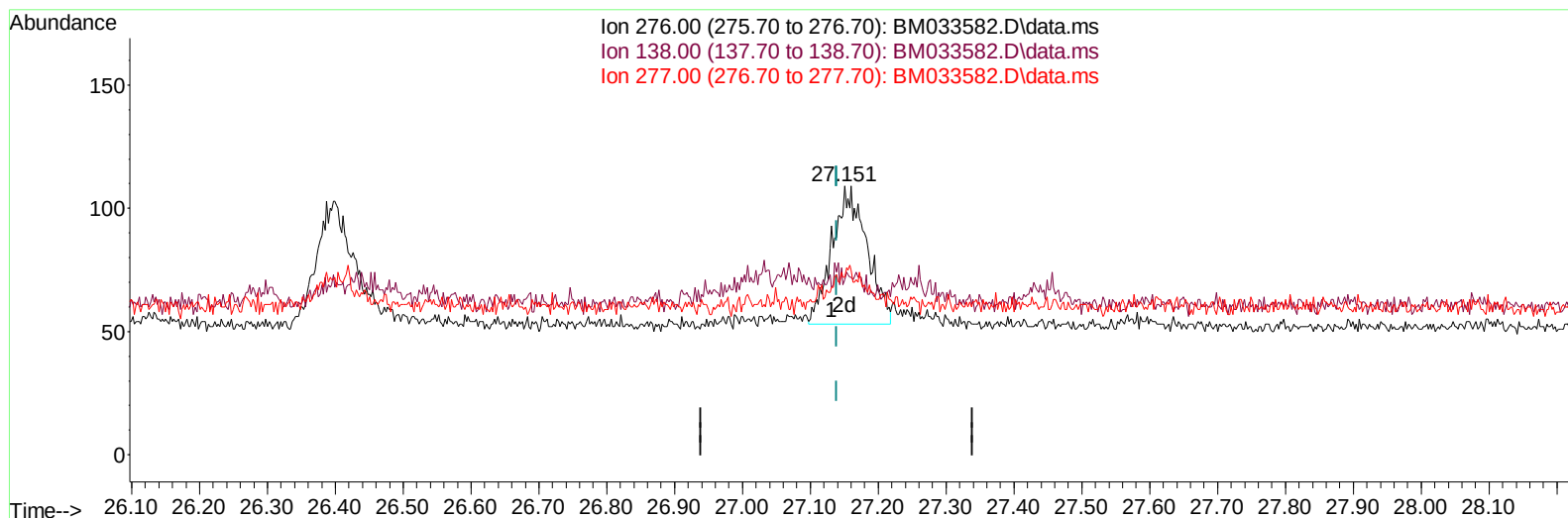
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

Quant Time: Dec 23 00:37:34 2021
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Reviewed By :Jagrut Upadhyay 12/23/2021
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TIC: BM033582.D\data.ms

(29) Benzo(g,h,i)perylene

27.151min (+ 0.012) 0.02 ng/ul m

response 198

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.70	65.14#
277.00	28.20	66.06#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033582.D
 Acq On : 22 Dec 2021 19:16
 Operator : CG/JU
 Sample : M5034-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00V0

Manual IntegrationsAPPROVED

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.918	152		455	0.400	ng/ul	0.00
4) Naphthalene-d8	10.720	136		1198	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.557	164		764	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.305	188		1701m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.491	240		2106	0.400	ng/ul	# 0.00
23) Perylene-d12	23.880	264		2306	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.330	96		2893	7.448	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.321	152		699	0.436	ng/ul	0.00
18) Fluoranthene-d10	19.330	212		2182	0.448	ng/ul	0.00
Target Compounds							Qvalue
5) Naphthalene	10.765	128		158	0.040	ng/ul#	35
7) 2-Methylnaphthalene	12.393	142		54	0.020	ng/ul	97
15) Phenanthrene	17.344	178		563	0.102	ng/ul#	79
19) Fluoranthene	19.360	202		469	0.073	ng/ul#	56
20) Pyrene	19.723	202		353	0.052	ng/ul#	35
21) Benzo(a)anthracene	21.482	228		151	0.026	ng/ul#	38
22) Chrysene	21.528	228		300m	0.046	ng/ul	
24) Benzo(b)fluoranthene	23.148	252		309m	0.042	ng/ul	
25) Benzo(k)fluoranthene	23.194	252		221m	0.029	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.387	276		203	0.022	ng/ul#	80
29) Benzo(g,h,i)perylene	27.151	276		198m	0.024	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
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Manual IntegrationsAPPROVED

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