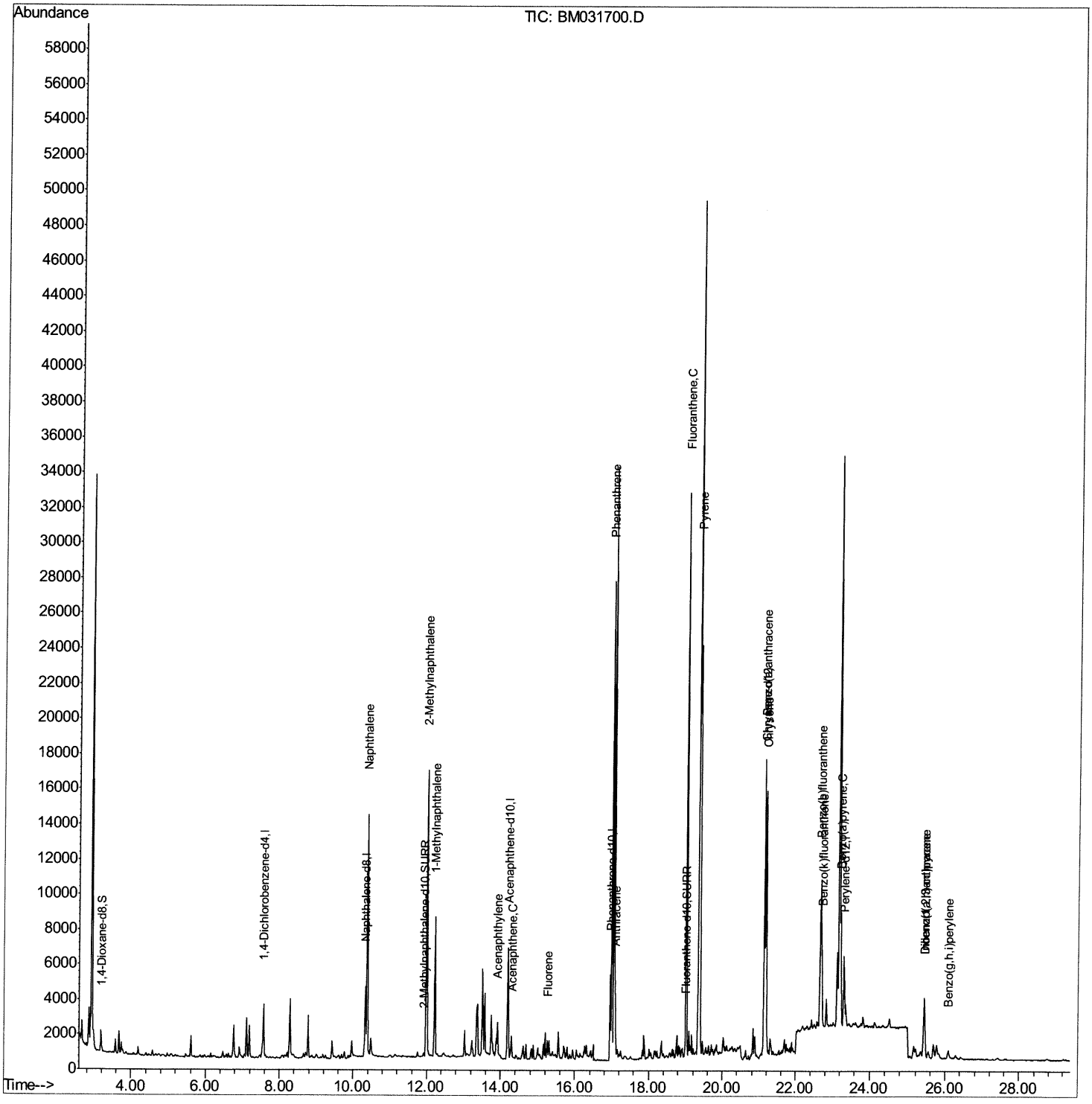
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 06:35:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00D5DL

Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 06:32:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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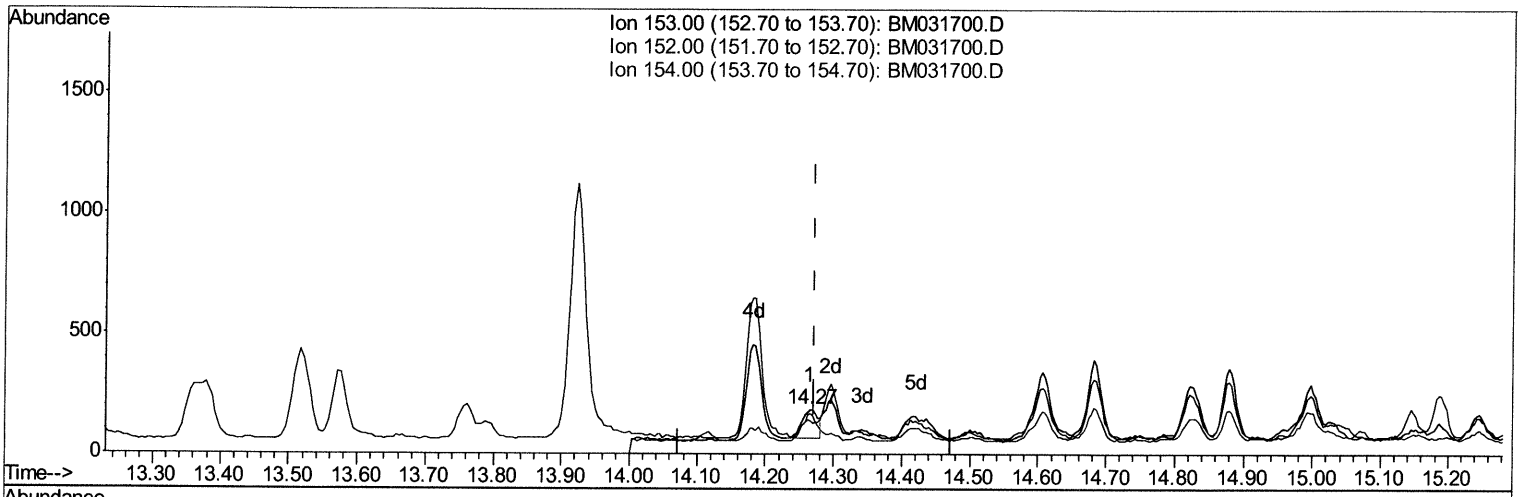
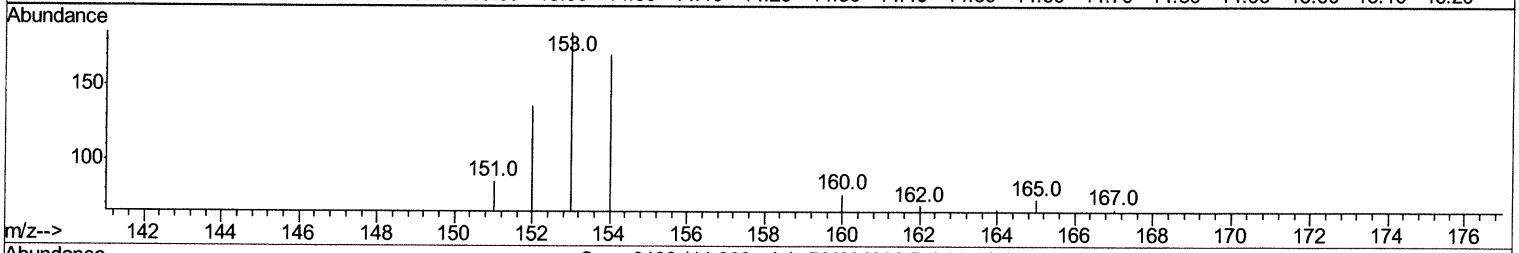
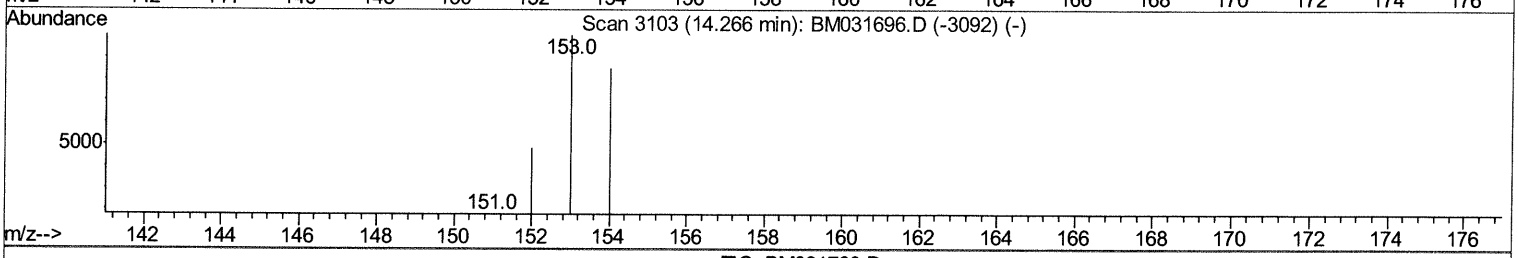
Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM







TIC: BM031700.D

(11) Acenaphthene (C)

14.265min (-0.007) 0.02ng/ul

response 198

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	73.12#
154.00	87.70	91.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 06:32:11 2021
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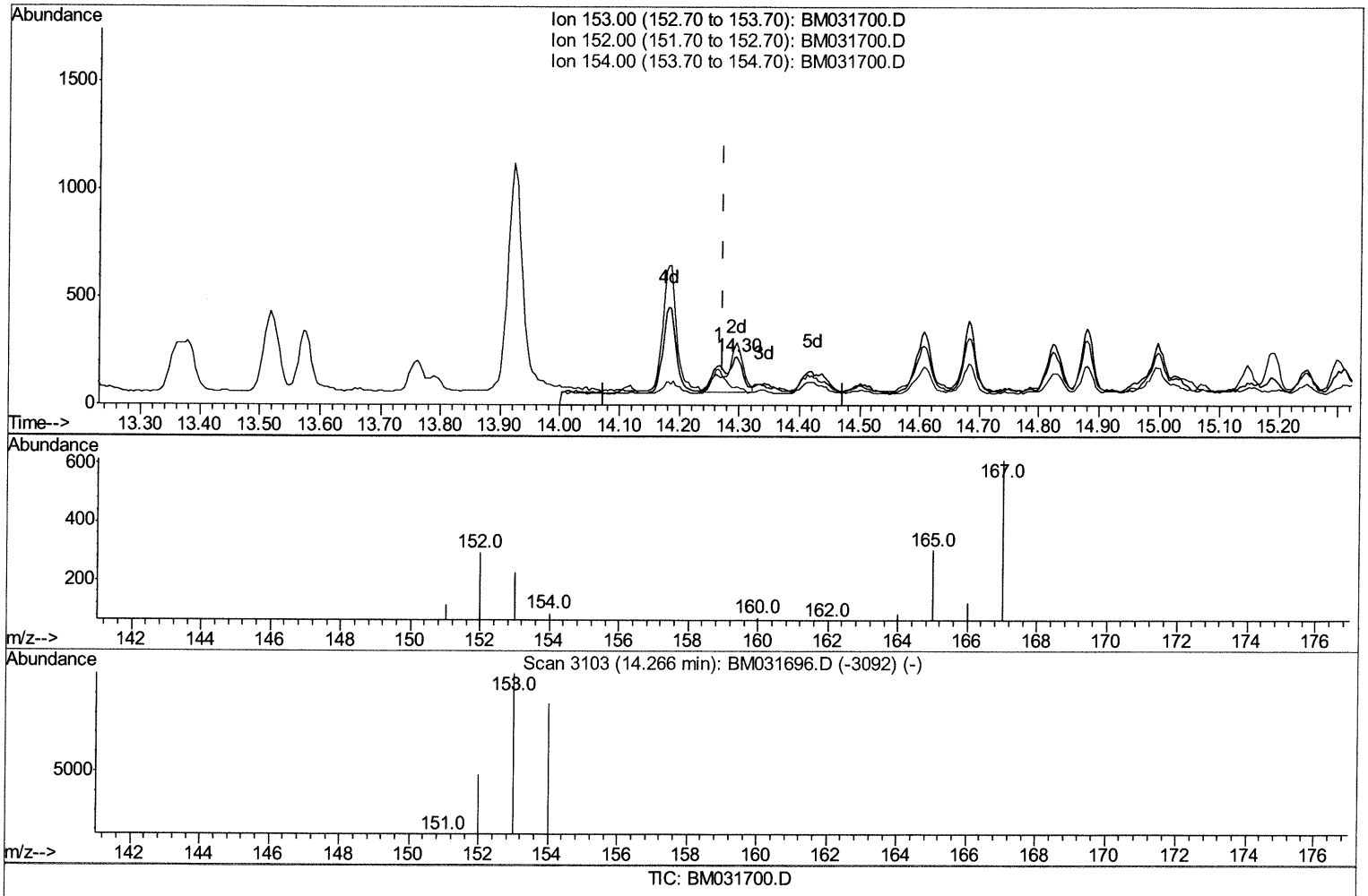
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00D5DL

Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM



TIC: BM031700.D

(11) Acenaphthene (C)

14.296min (+0.023) 0.04ng/ul m 08/16/21 JU

response 436

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	130.22#
154.00	87.70	39.11#
0.00	0.00	0.00

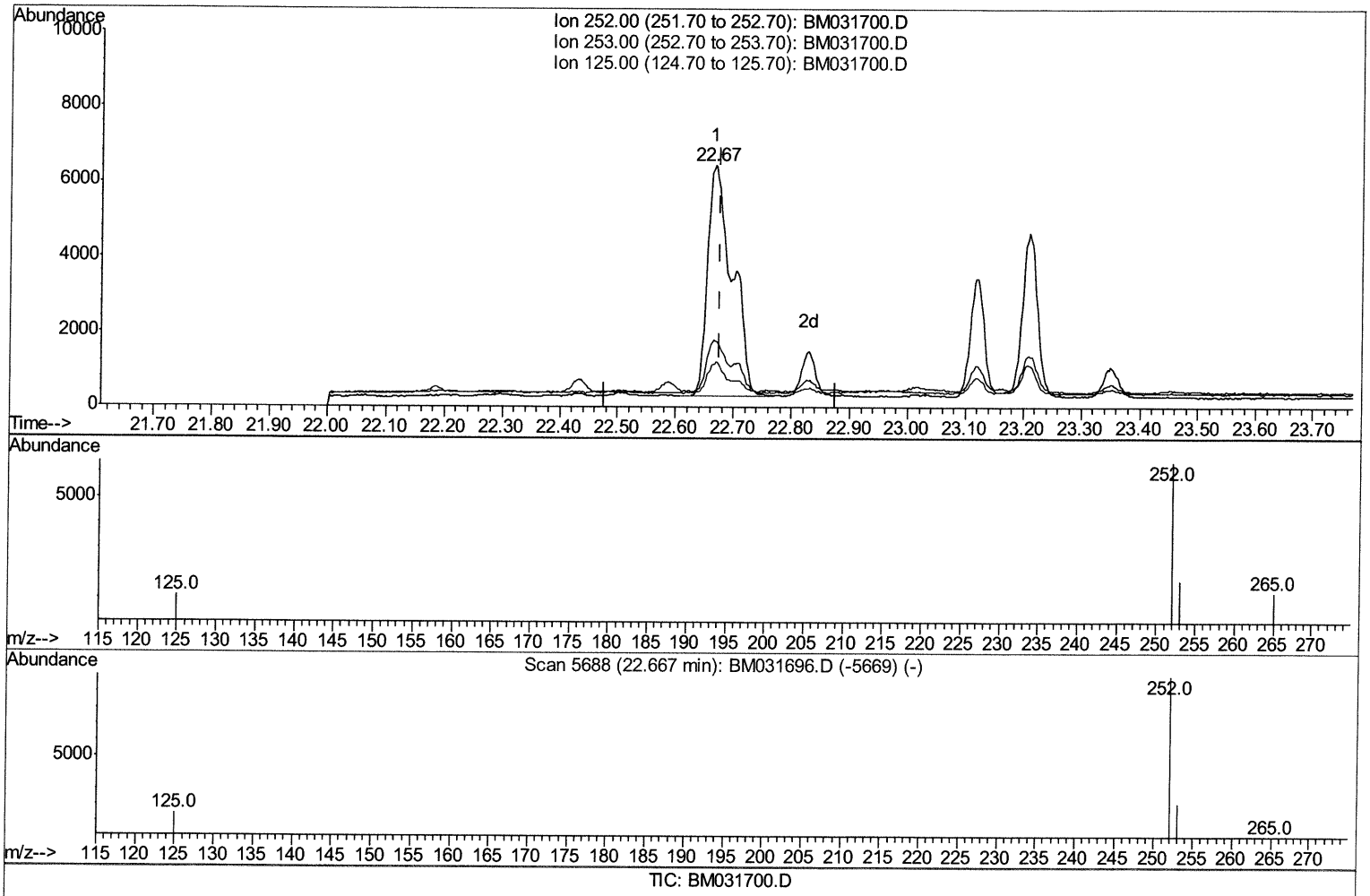
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 06:33:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00D5DL

Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM



TIC: BM031700.D

(24) Benzo(b)fluoranthene

22.667min (-0.009) 0.86ng/ul

response 18297

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	27.36
125.00	11.40	17.63
0.00	0.00	0.00

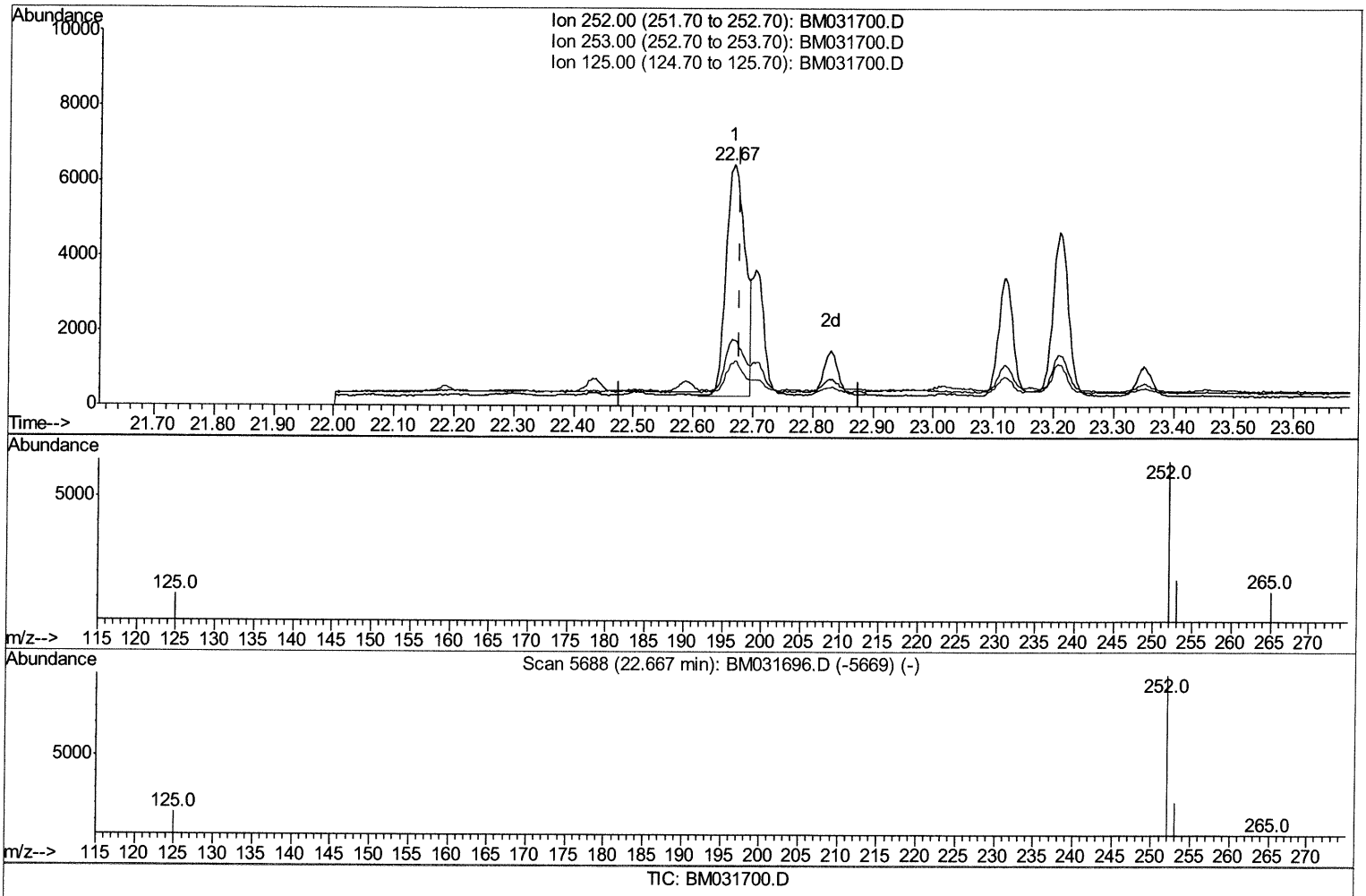
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 06:33:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00D5DL

Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM



TIC: BM031700.D

(24) Benzo(b)fluoranthene

22.667min (-0.009) 0.63ng/ul m 08/16/21 JU

response 13476

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	27.36
125.00	11.40	17.63
0.00	0.00	0.00

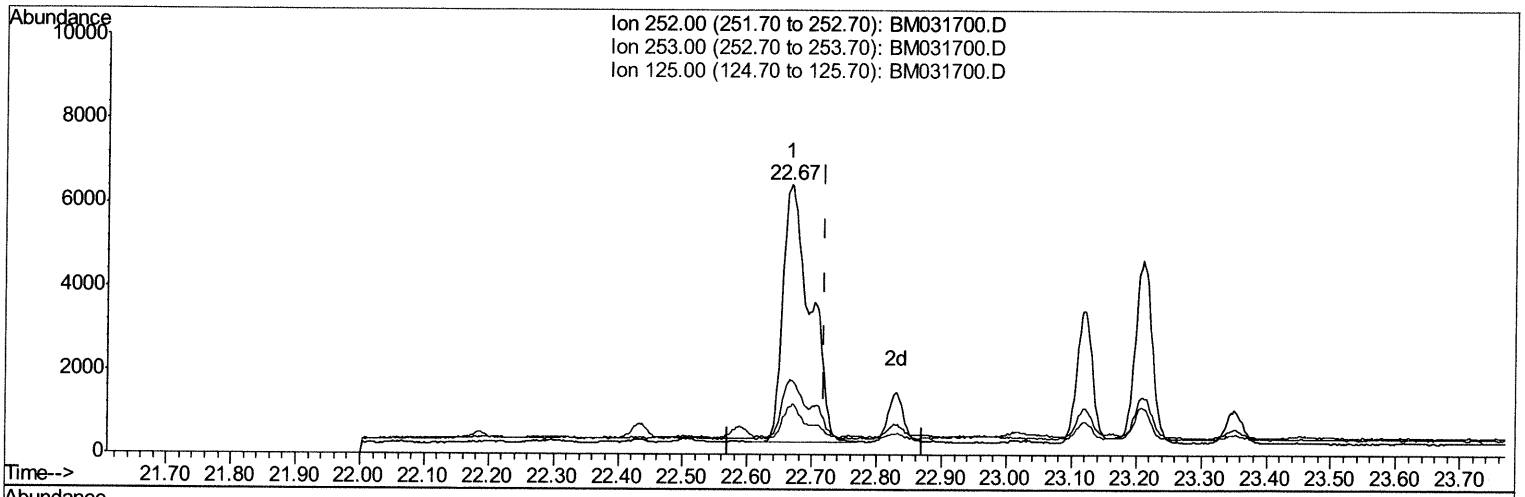
Quantitation Report (Qedit)

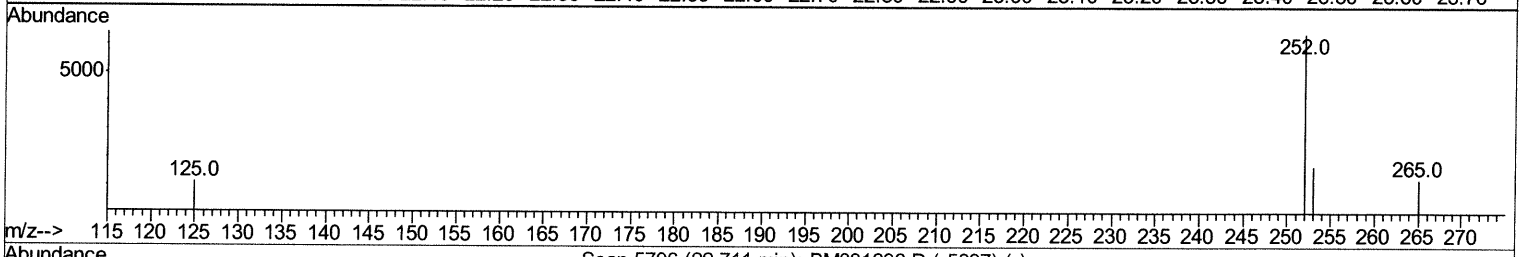
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

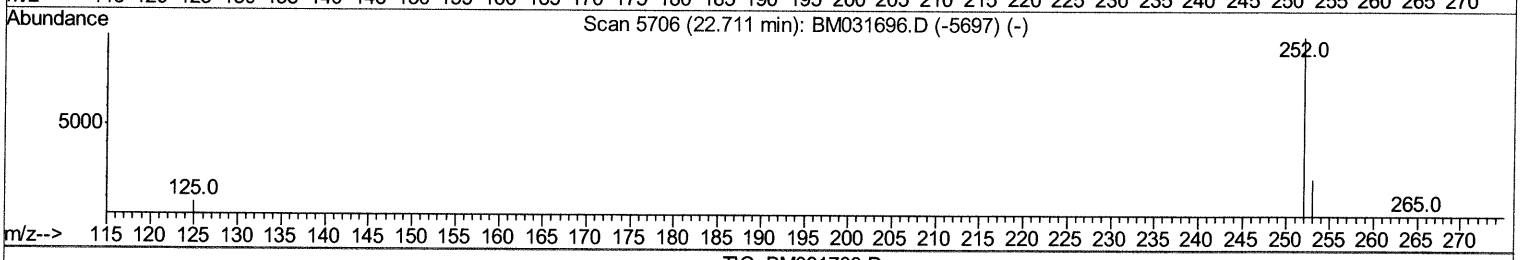
Quant Time: Aug 13 06:34:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00D5DL

Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM







TIC: BM031700.D

(25) Benzo(k)fluoranthene

22.667min (-0.053) 0.83ng/ul

response 18297

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.36
125.00	11.00	17.63#
0.00	0.00	0.00

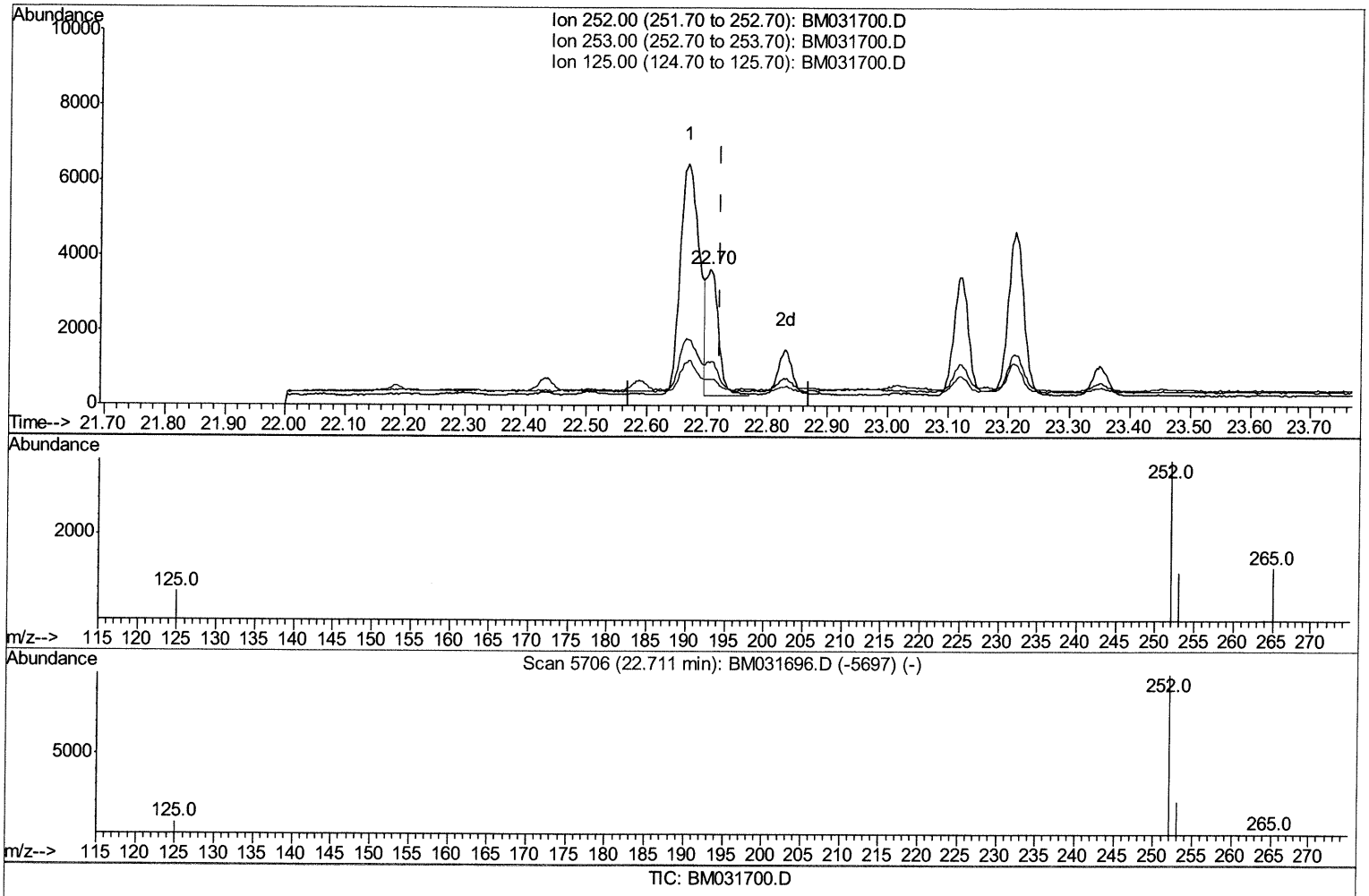
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 13 06:34:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00D5DL

Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM



(25) Benzo(k)fluoranthene

22.703min (-0.017) 0.22ng/ul m 08/16/2130

response 4937

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	31.45
125.00	11.00	19.44#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031700.D
Acq On : 13 Aug 2021 05:54
Operator : CG/JU
Sample : M3182-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C00D5DL

Manual Integrations APPROVED
mohammad
8/13/2021 5:15:06 PM

Quant Time: Aug 13 06:35:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 05:12:04 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1513	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	5509	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	3130	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	5820	0.40	ng/ul	-0.01
17) Chrysene-d12	21.15	240	4909	0.40	ng/ul	0.00
23) Perylene-d12	23.30	264	4741	0.40	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	844	0.50	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.92	152	332	0.04	ng/ul	-0.01
18) Fluoranthene-d10	18.99	212	711	0.04	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	10.38	128	19090	1.163	ng/ul	97
7) 2-Methylnaphthalene	12.00	142	12071	1.077	ng/ul	100
8) 1-Methylnaphthalene	12.22	142	5358	0.484	ng/ul	99
10) Acenaphthylene	13.92	152	1787	0.134	ng/ul	92
11) Acenaphthene	14.30	153	436m >	0.039	ng/ul >	08/16/21 JU
12) Fluorene	15.26	166	492	0.038	ng/ul#	77
15) Phenanthrene	17.00	178	28905	1.564	ng/ul	98
16) Anthracene	17.09	178	3330	0.192	ng/ul	96
19) Fluoranthene	19.02	202	27603	1.317	ng/ul	97
20) Pyrene	19.38	202	23314	1.097	ng/ul	97
21) Benzo(a)anthracene	21.13	228	12942	0.653	ng/ul	94
22) Chrysene	21.19	228	15622	0.762	ng/ul	97
24) Benzo(b)fluoranthene	22.67	252	13476m >	0.631	ng/ul >	08/16/21 JU
25) Benzo(k)fluoranthene	22.70	252	4937m >	0.224	ng/ul	
26) Benzo(a)pyrene	23.21	252	7962	0.426	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.44	276	5154	0.213	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.44	278	1568	0.080	ng/ul#	52
29) Benzo(g,h,i)perylene	26.09	276	857	0.042	ng/ul#	58

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