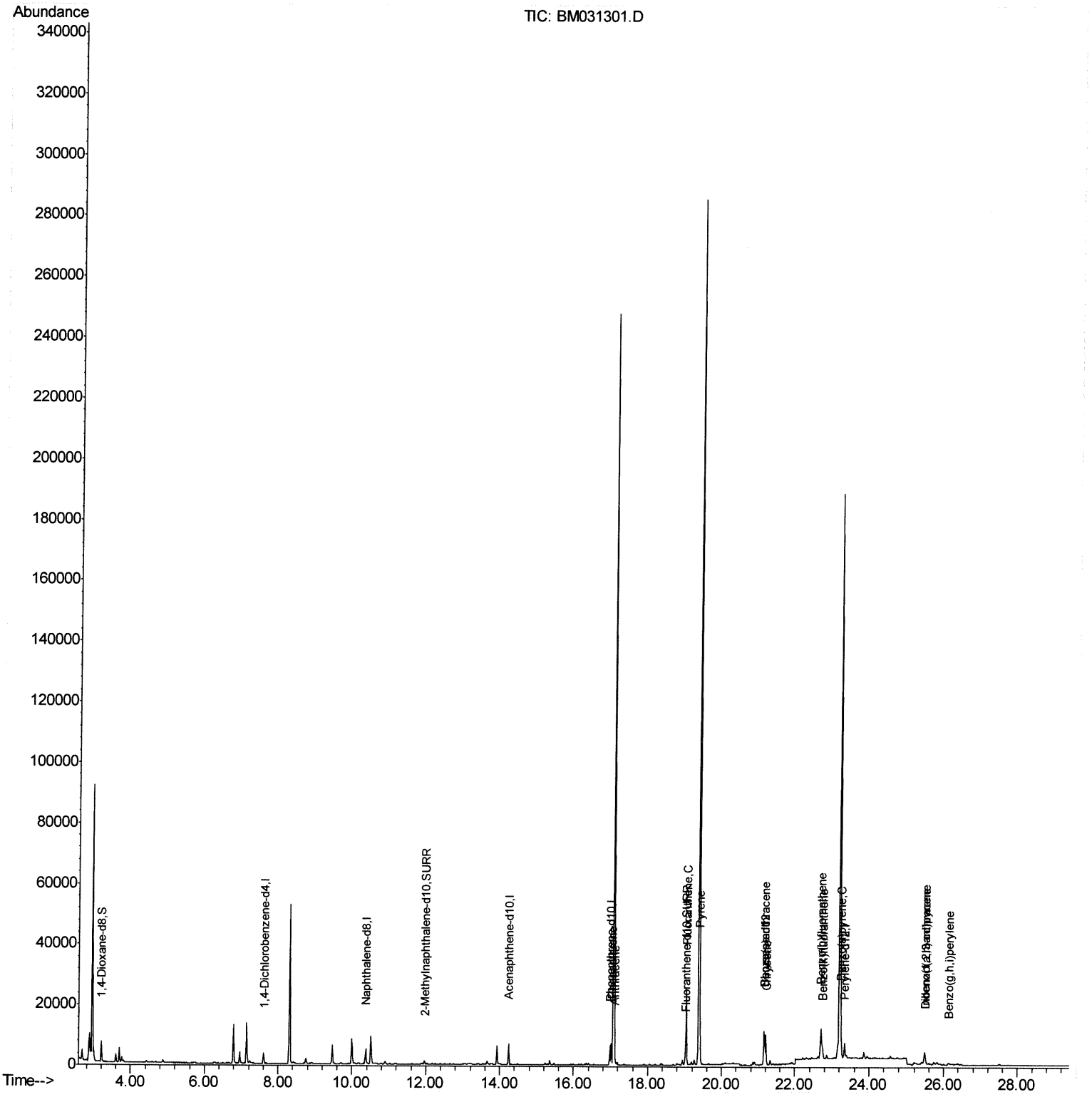
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031301.D
Acq On : 31 Jul 2021 07:45
Operator : CG/JU
Sample : M3106-11
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 02 01:22:38 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 Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD15

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:27 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031301.D
Acq On : 31 Jul 2021 07:45
Operator : CG/JU
Sample : M3106-11
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 02 01:20:34 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 Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD15

Manual Integrations APPROVED
mohammad
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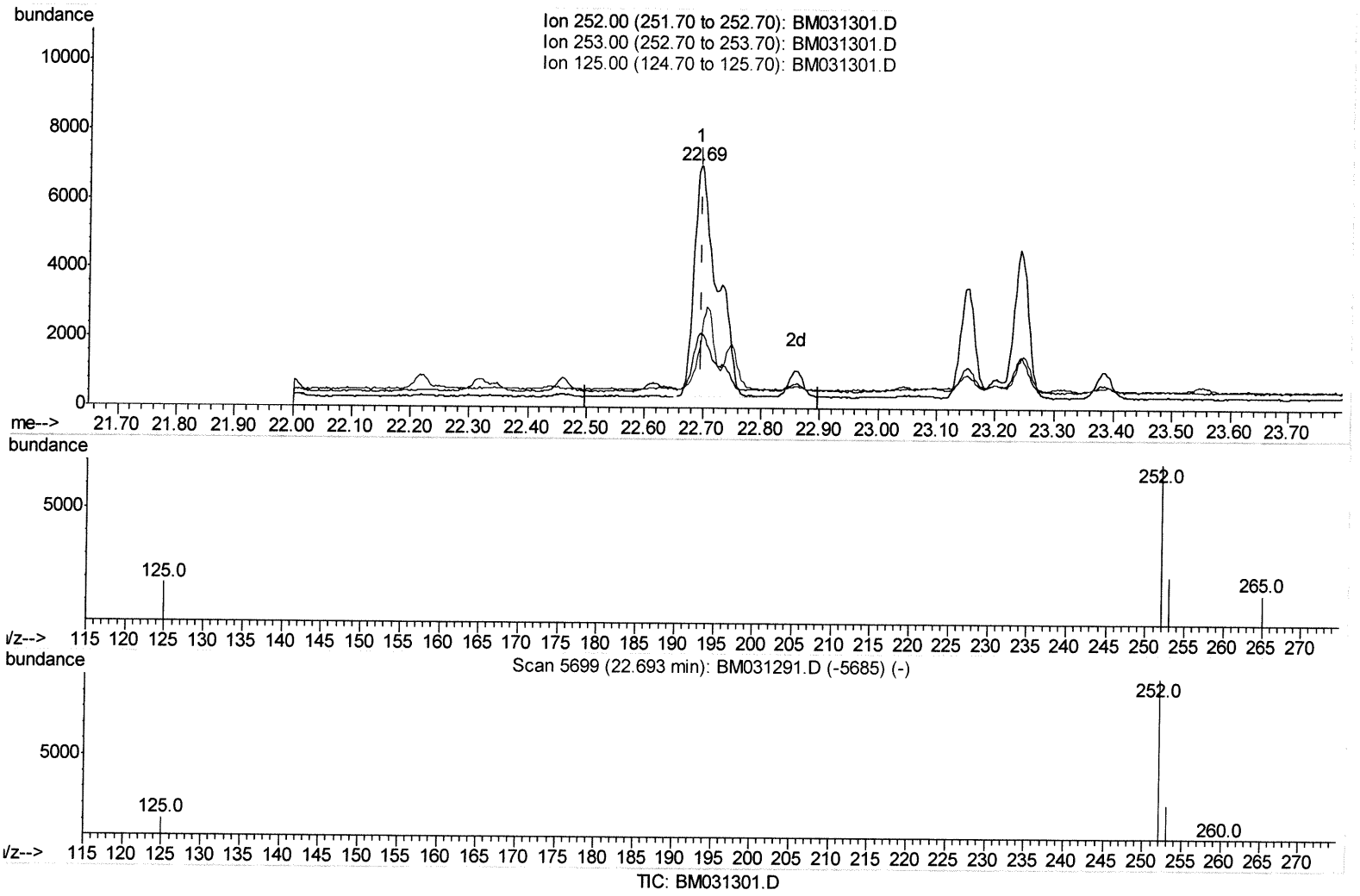


TIC: BM031301.D

(24) Benzo(b)fluoranthene

22.694min (-0.004) 0.66ng/ul

response 18602

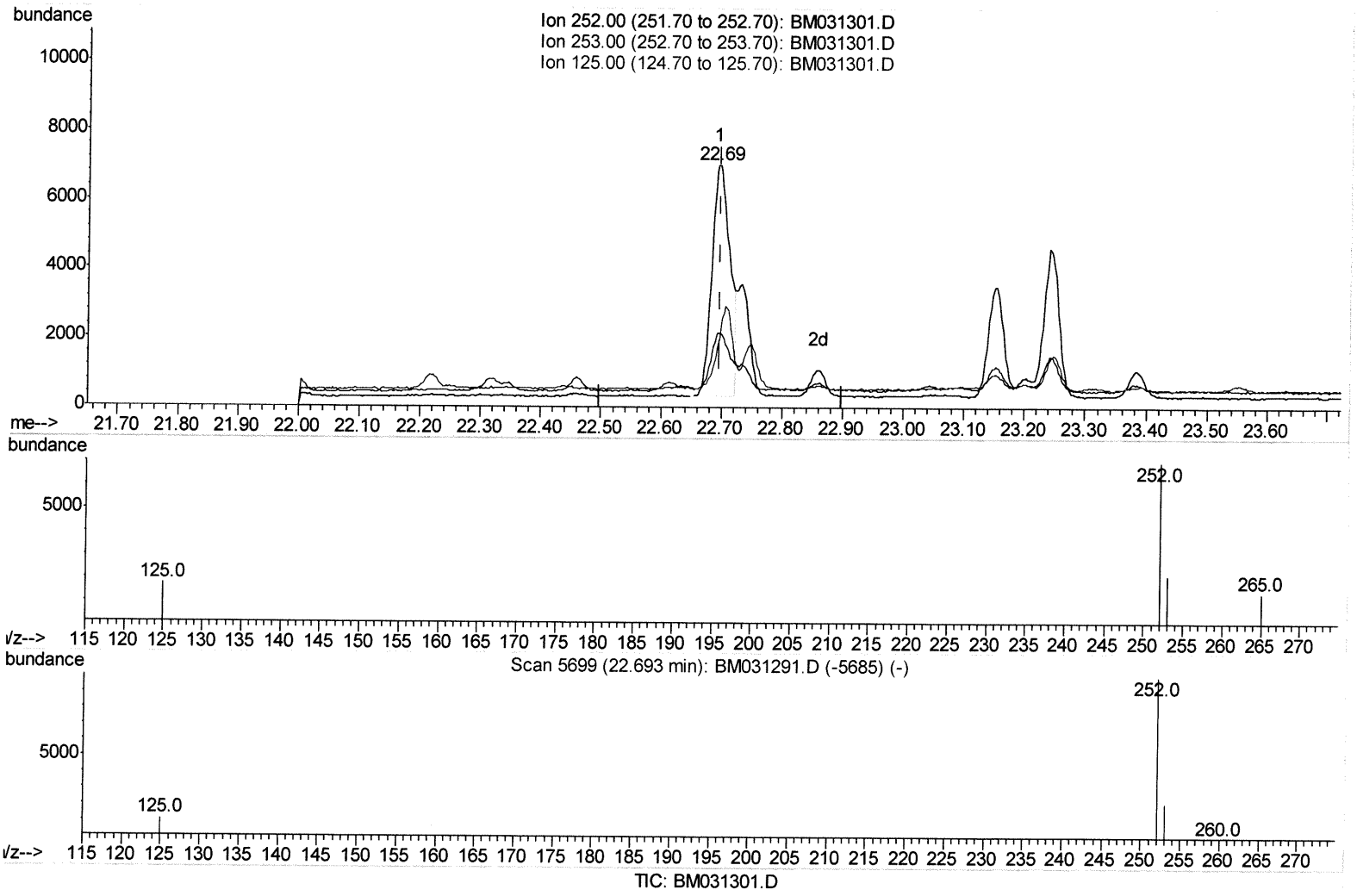
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	30.97
125.00	11.40	25.16#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031301.D
Acq On : 31 Jul 2021 07:45
Operator : CG/JU
Sample : M3106-11
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 02 01:20:34 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 Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD15

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:27 PM



TIC: BM031301.D

(24) Benzo(b)fluoranthene

22.694min (-0.004) 0.50ng/ul m

response 13970

JG 8/3/21

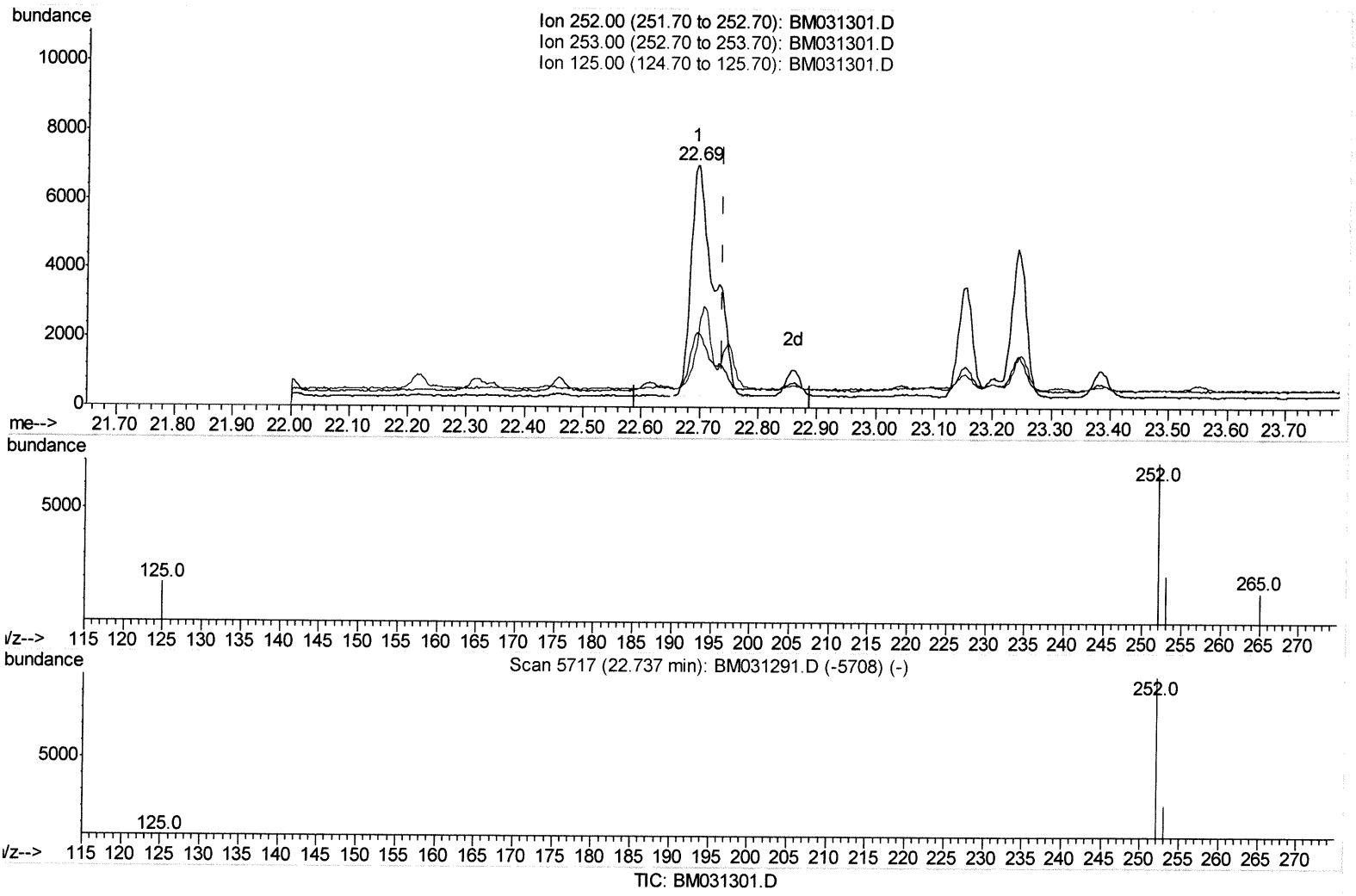
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	30.97
125.00	11.40	25.16#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031301.D
Acq On : 31 Jul 2021 07:45
Operator : CG/JU
Sample : M3106-11
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 02 01:21:32 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 Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD15

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:27 PM



TIC: BM031301.D

(25) Benzo(k)fluoranthene

22.694min (-0.046) 0.64ng/ul

response 18602

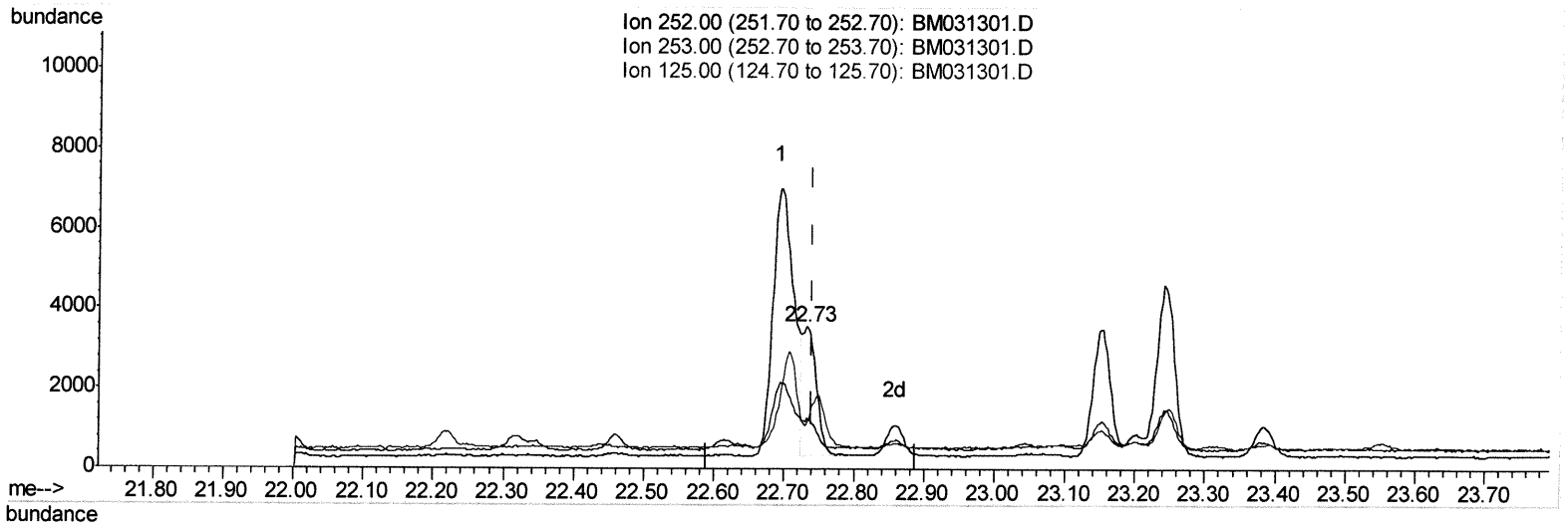
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	30.97
125.00	11.00	25.16#
0.00	0.00	0.00

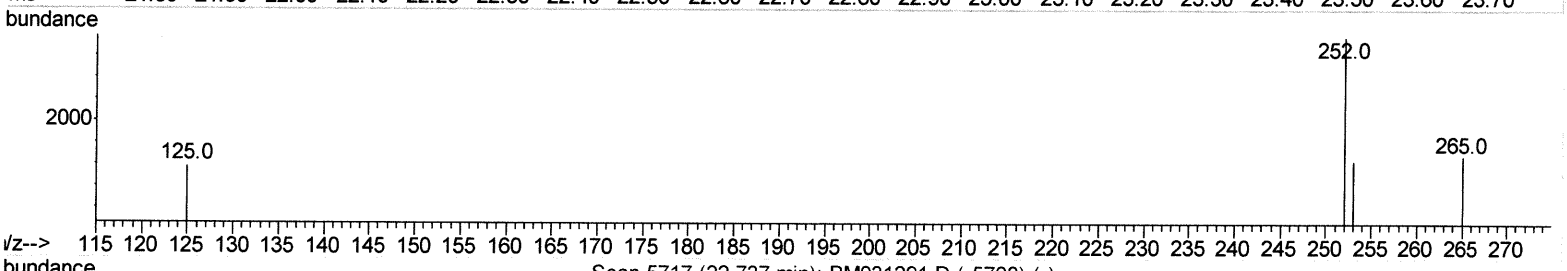
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031301.D
Acq On : 31 Jul 2021 07:45
Operator : CG/JU
Sample : M3106-11
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Aug 02 01:21:32 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 Jul 30 14:16:52 2021
Response via : Initial Calibration

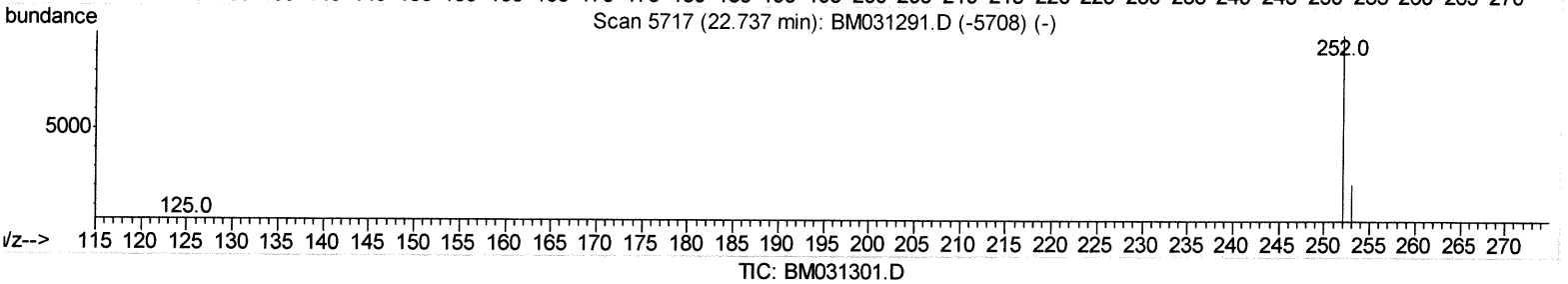
Instrument :
BNA_M
ClientSampleId :
BGD15

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:27 PM





Scan 5717 (22.737 min): BM031291.D (-5708) (-)



TIC: BM031301.D

(25) Benzo(k)fluoranthene

22.733min (-0.007) 0.16ng/ul m JU 8/3/21

response 4668

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	36.08#
125.00	11.00	32.62#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031301.D
Acq On : 31 Jul 2021 07:45
Operator : CG/JU
Sample : M3106-11
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGD15

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:27 PM

Quant Time: Aug 02 01:22:38 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 Jul 30 14:16:52 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1748	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	6481	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.24	164	3830	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.99	188	7632	0.40	ng/ul	0.00
17) Chrysene-d12	21.17	240	6097	0.40	ng/ul	0.00
23) Perylene-d12	23.34	264	6235	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	4244	2.19	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.96	152	1587	0.15	ng/ul	0.00
18) Fluoranthene-d10	19.02	212	3336	0.16	ng/ul	0.00
Target Compounds						Qvalue
15) Phenanthrene	17.03	178	7335	0.303	ng/ul	99
16) Anthracene	17.12	178	1181	0.052	ng/ul#	87
19) Fluoranthene	19.05	202	21434	0.823	ng/ul	97
20) Pyrene	19.41	202	16877	0.639	ng/ul	96
21) Benzo(a)anthracene	21.16	228	8150	0.331	ng/ul	95
22) Chrysene	21.21	228	10164	0.399	ng/ul	97
24) Benzo(b)fluoranthene	22.69	252	13970m	0.497	ng/ul	
25) Benzo(k)fluoranthene	22.73	252	4668m	0.161	ng/ul	
26) Benzo(a)pyrene	23.24	252	7491	0.304	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.48	276	6321	0.199	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.49	278	1657	0.065	ng/ul#	42
29) Benzo(g,h,i)perylene	26.13	276	1242	0.046	ng/ul#	47

JU 8/3/21

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