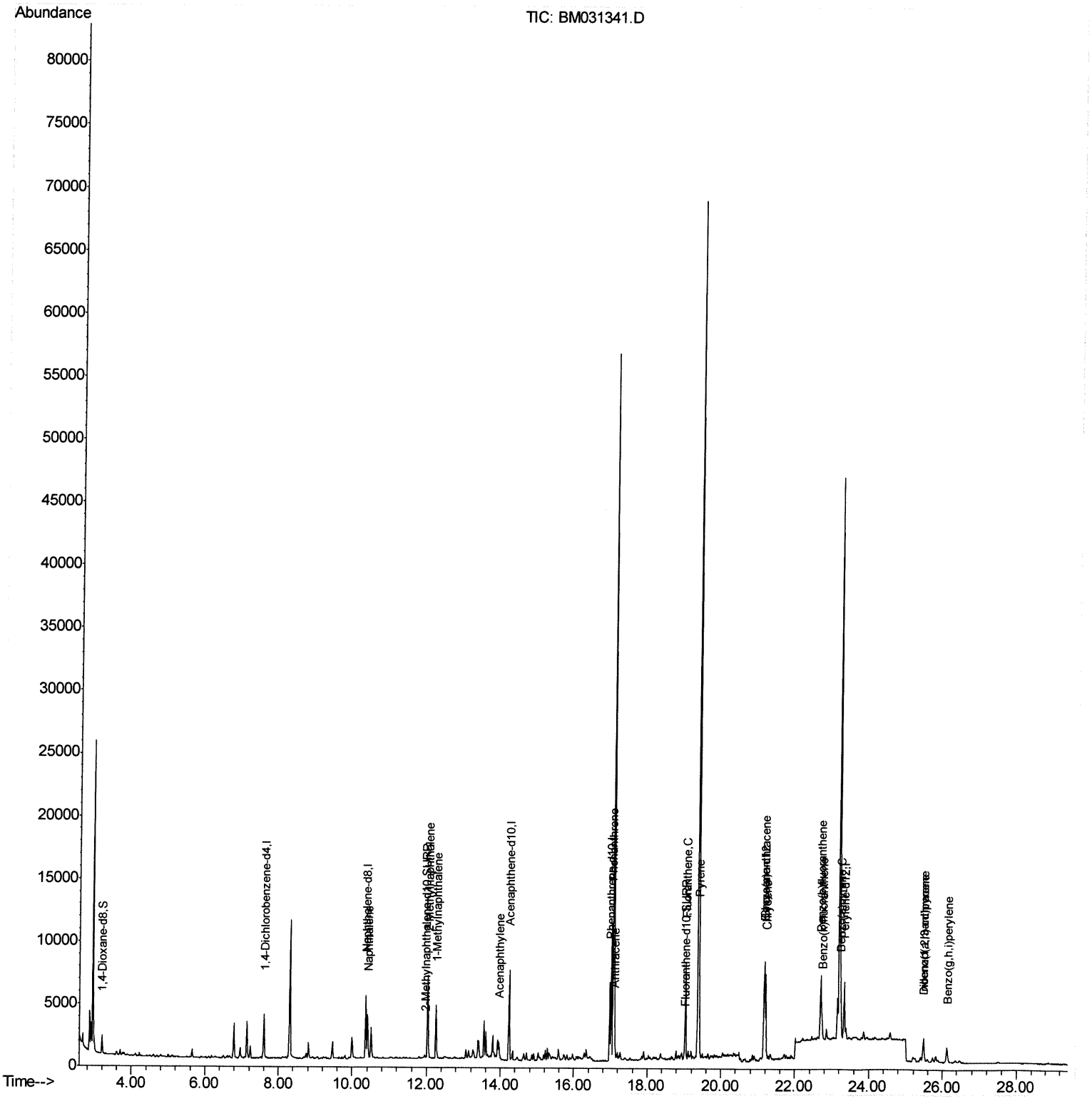
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031341.D
Acq On : 01 Aug 2021 09:30
Operator : CG/JU
Sample : M3091-11DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 02 07:27:55 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 :
C0049DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:48 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031341.D
Acq On : 01 Aug 2021 09:30
Operator : CG/JU
Sample : M3091-11DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 02 07:25:28 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 :
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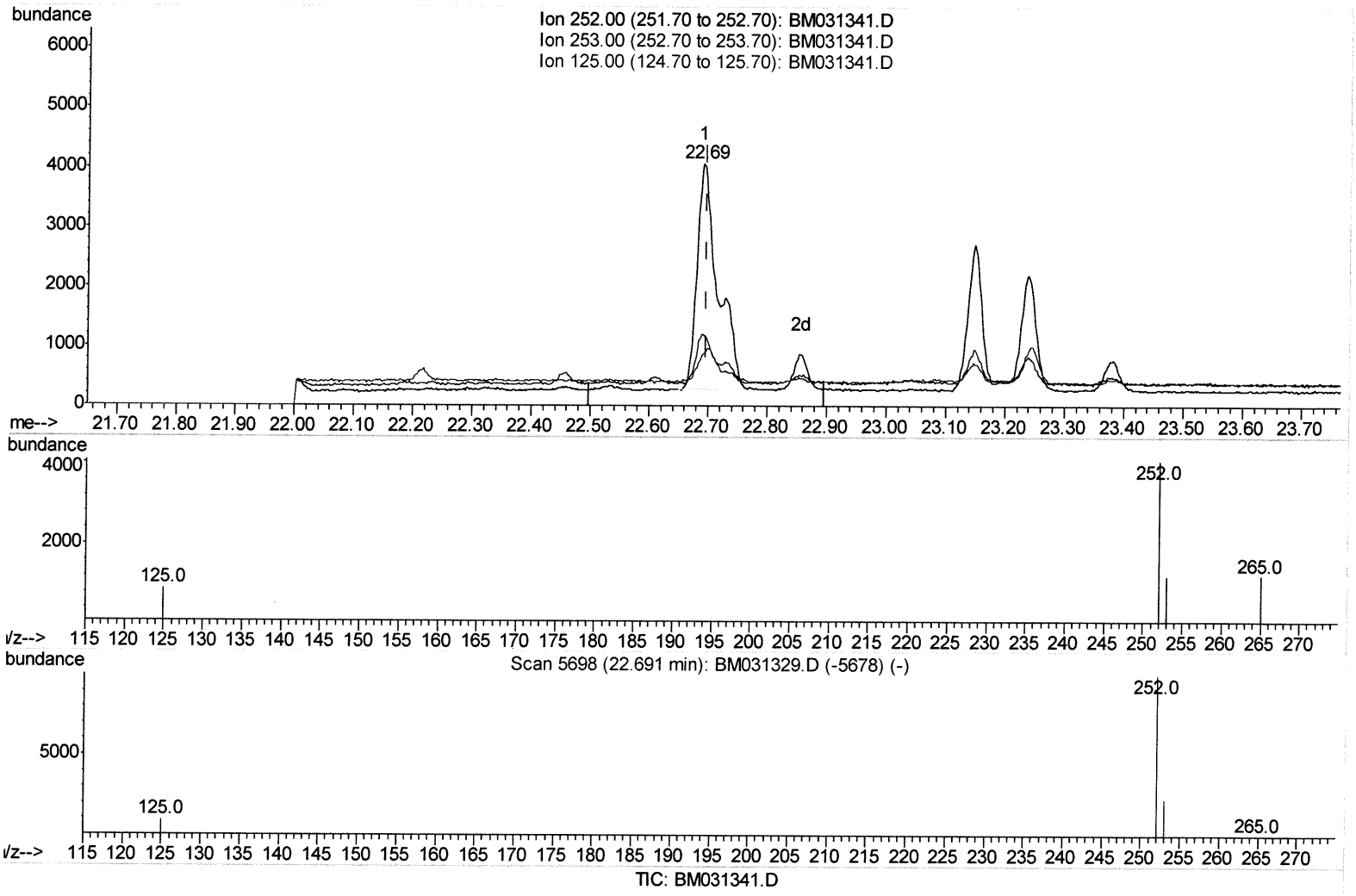
Manual Integrations APPROVED
mohammad
8/2/2021 3:43:48 PM



TIC: BM031341.D

(24) Benzo(b)fluoranthene

22.691min (-0.007) 0.39ng/ul

response 9461

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	29.44
125.00	11.40	21.59
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
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Misc :
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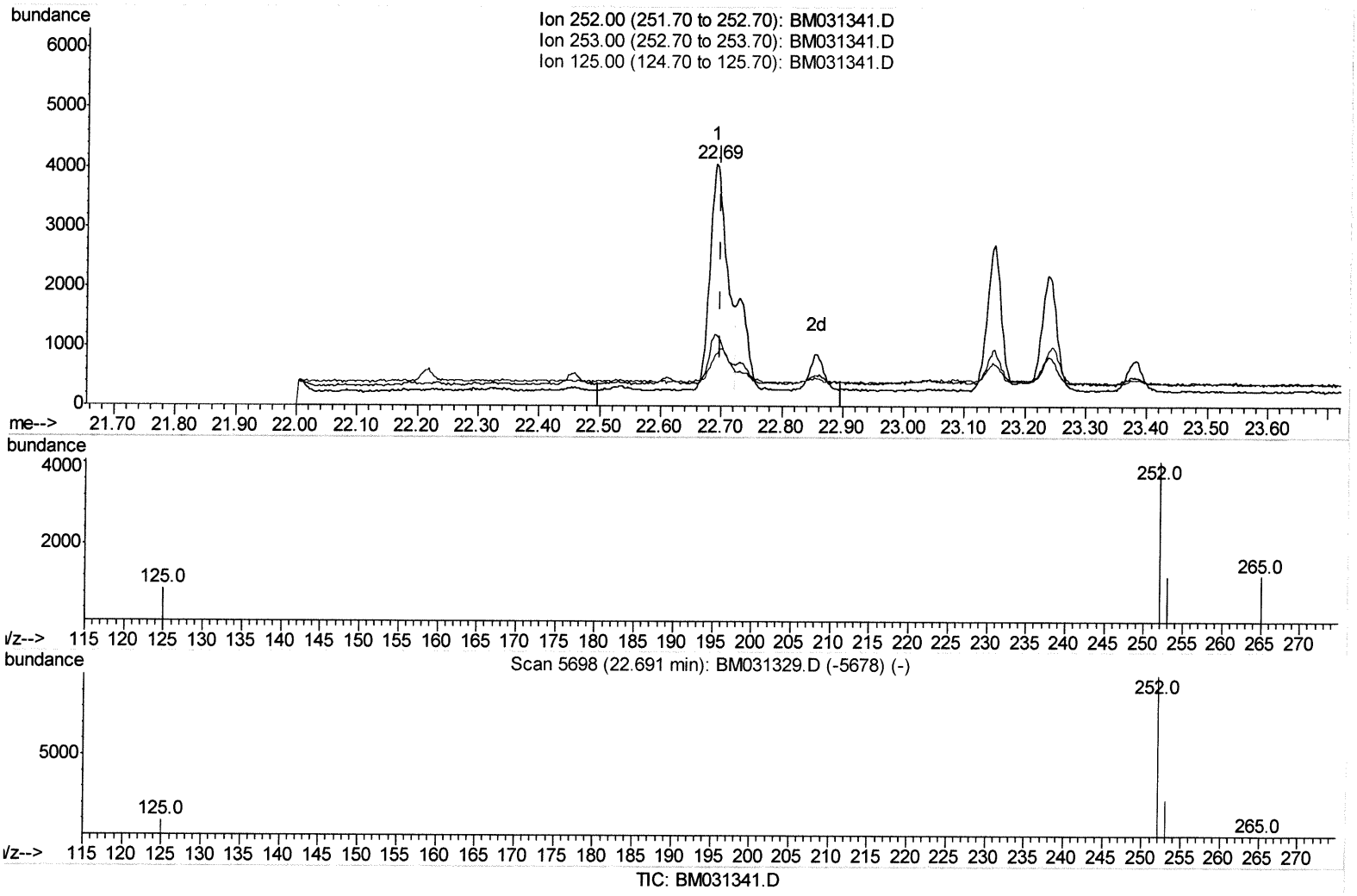
Manual Integrations APPROVED
mohammad
8/2/2021 3:43:48 PM



(24) Benzo(b)fluoranthene

22.691min (-0.007) 0.30ng/ul m

response 7399

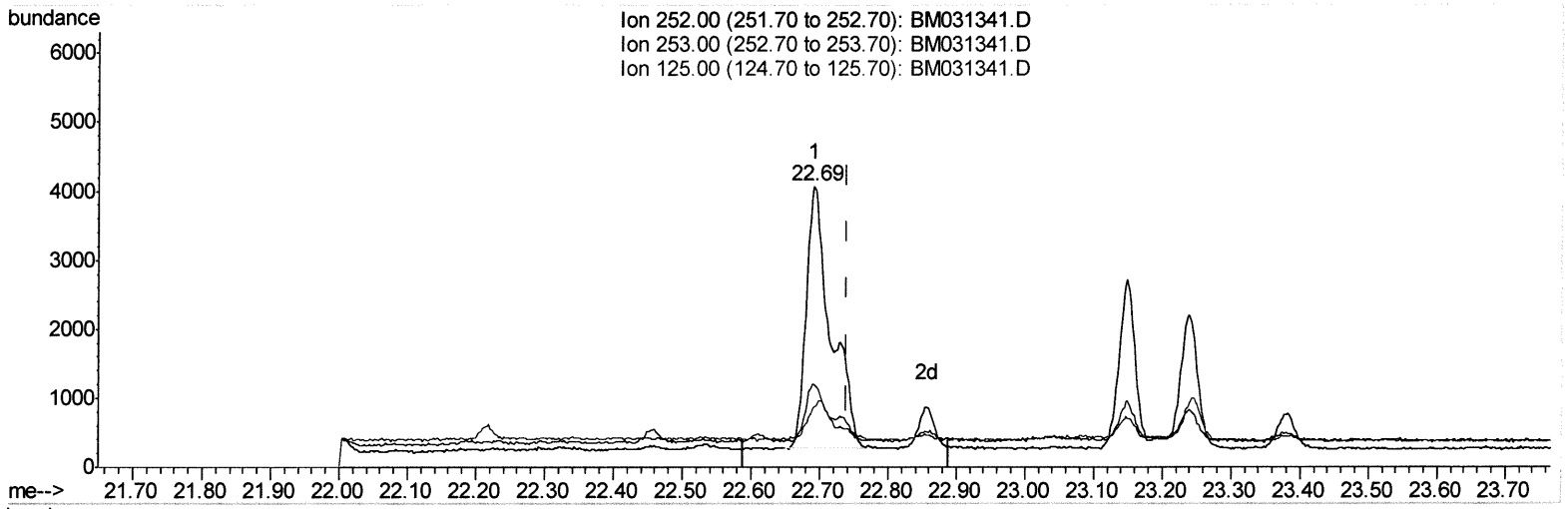
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	29.44
125.00	11.40	21.59
0.00	0.00	0.00

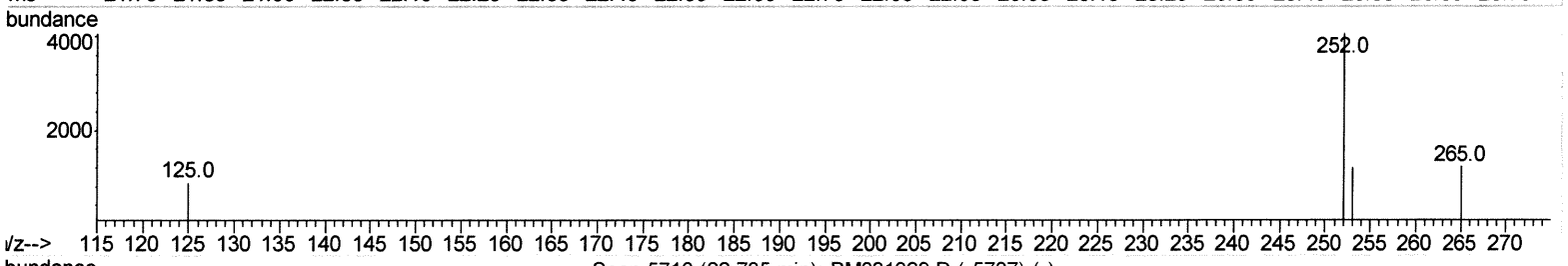
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031341.D
Acq On : 01 Aug 2021 09:30
Operator : CG/JU
Sample : M3091-11DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

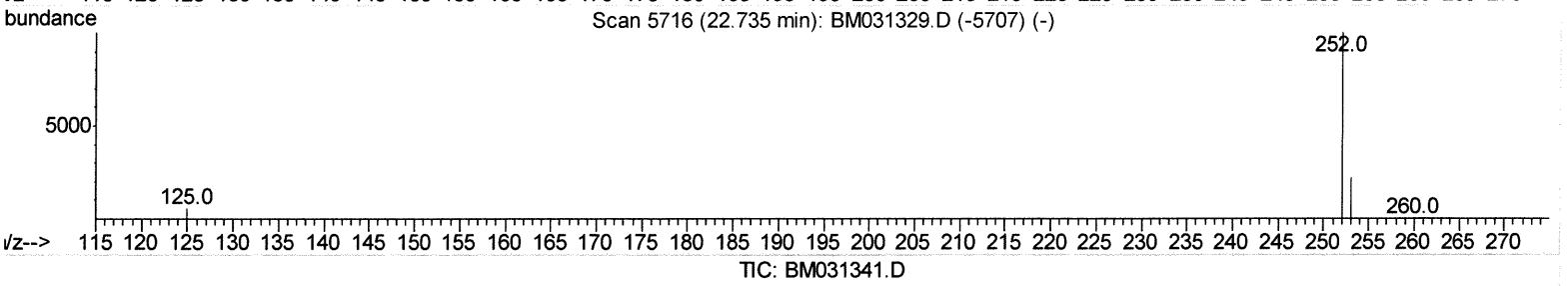
Quant Time: Aug 02 07:27:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0049DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:48 PM







TIC: BM031341.D

(25) Benzo(k)fluoranthene

22.691min (-0.048) 0.37ng/ul

response 9461

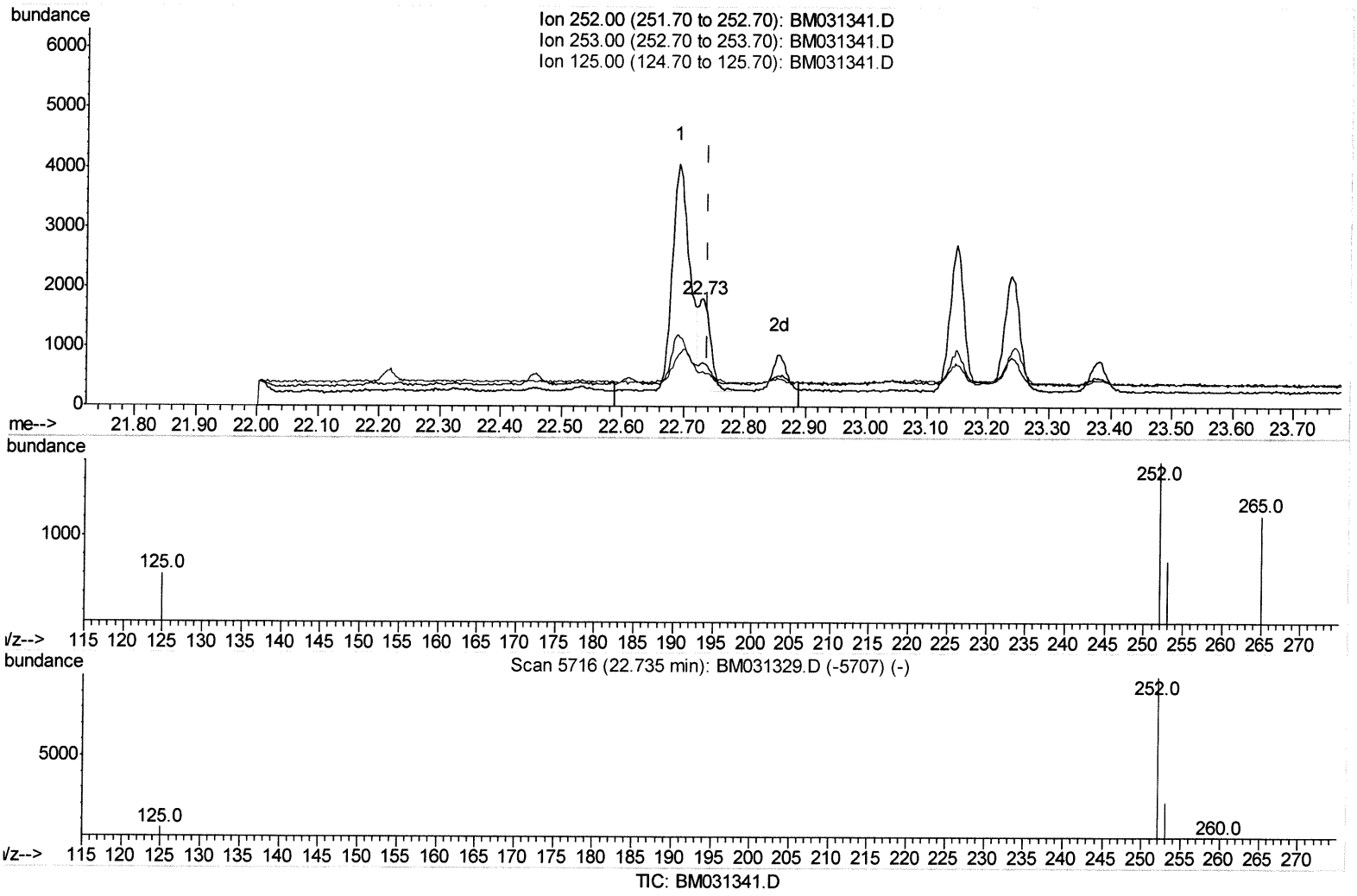
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	29.44
125.00	11.00	21.59#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031341.D
Acq On : 01 Aug 2021 09:30
Operator : CG/JU
Sample : M3091-11DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Aug 02 07:27:12 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 :
C0049DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:48 PM



TIC: BM031341.D

(25) Benzo(k)fluoranthene

22.730min (-0.009) 0.09ng/ul m JU 8/3/21

response 2191

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	41.02#
125.00	11.00	32.71#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031341.D
Acq On : 01 Aug 2021 09:30
Operator : CG/JU
Sample : M3091-11DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0049DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:48 PM

Quant Time: Aug 02 07:27:55 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	7.60	152	1678	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	6448	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.23	164	3837	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.98	188	7355	0.40	ng/ul	0.00
17) Chrysene-d12	21.17	240	5569	0.40	ng/ul	0.00
23) Perylene-d12	23.34	264	5422	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	987	0.53	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.96	152	379	0.03	ng/ul	0.00
18) Fluoranthene-d10	19.01	212	823	0.04	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.41	128	4605	0.240	ng/ul	100
7) 2-Methylnaphthalene	12.03	142	4719	0.360	ng/ul	99
8) 1-Methylnaphthalene	12.25	142	2915	0.225	ng/ul	99
10) Acenaphthylene	13.95	152	951	0.058	ng/ul#	87
15) Phenanthrene	17.02	178	10891	0.466	ng/ul	99
16) Anthracene	17.11	178	1148	0.053	ng/ul#	85
19) Fluoranthene	19.04	202	6936	0.292	ng/ul#	94
20) Pyrene	19.40	202	6615	0.274	ng/ul#	93
21) Benzo(a)anthracene	21.16	228	4016	0.179	ng/ul#	88
22) Chrysene	21.21	228	7390	0.318	ng/ul#	96
24) Benzo(b)fluoranthene	22.69	252	7399m	0.303	ng/ul	
25) Benzo(k)fluoranthene	22.73	252	2191m	0.087	ng/ul	
26) Benzo(a)pyrene	23.24	252	3430	0.160	ng/ul#	66
27) Indeno(1,2,3-cd)pyrene	25.48	276	2656	0.096	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.48	278	876	0.039	ng/ul#	24
29) Benzo(g,h,i)perylene	26.13	276	2424	0.103	ng/ul#	84

JU 8/3/21

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