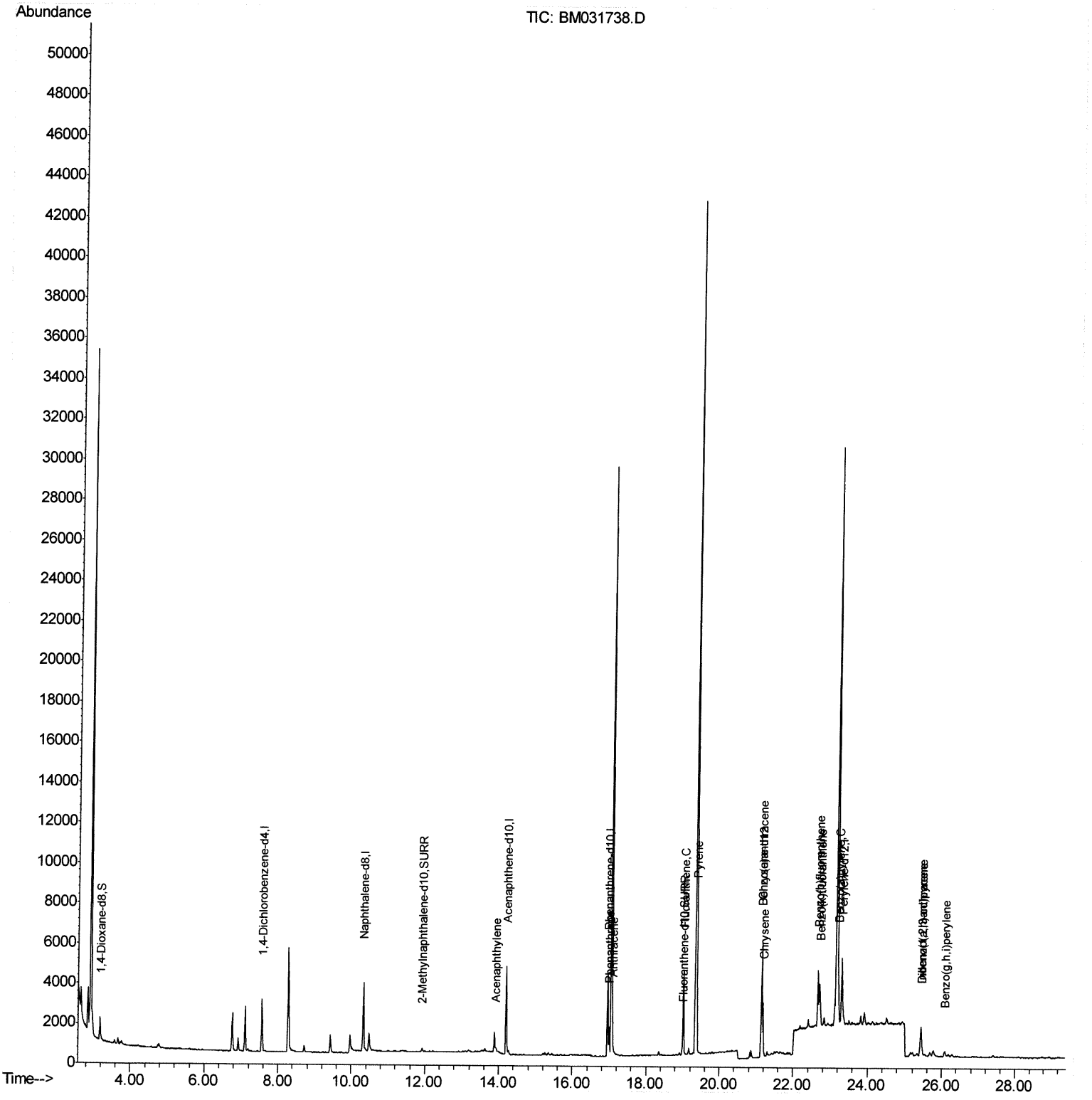
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031738.D
Acq On : 14 Aug 2021 06:11
Operator : CG/JU
Sample : M3220-01DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 06:52:46 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 : Sat Aug 14 05:28:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JCEN1DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:41:07 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031738.D
Acq On : 14 Aug 2021 06:11
Operator : CG/JU
Sample : M3220-01DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 06:49:22 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 : Sat Aug 14 05:28:36 2021
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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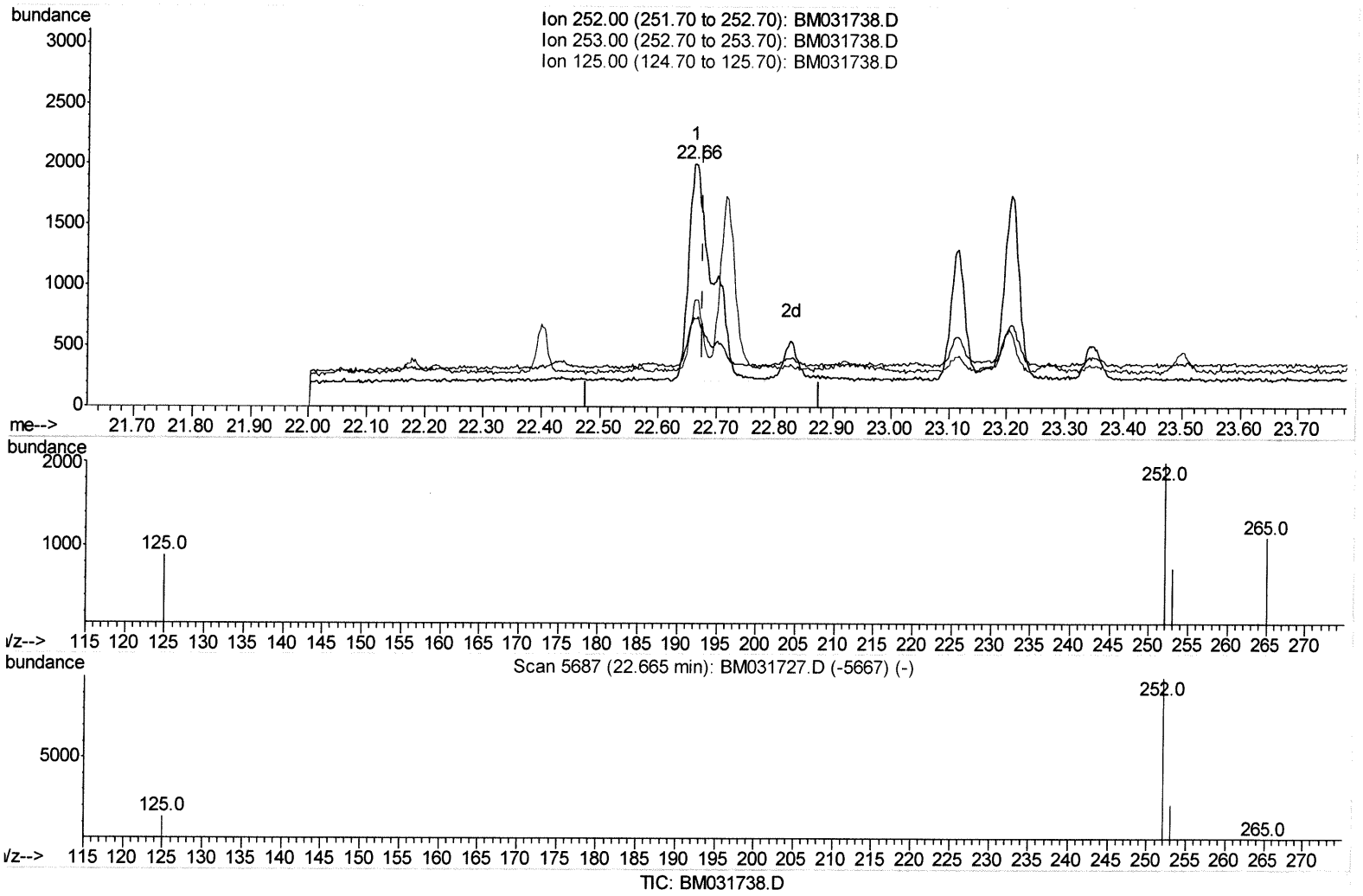
Manual Integrations APPROVED
mohammad
8/16/2021 8:41:07 AM



TIC: BM031738.D

(24) Benzo(b)fluoranthene

22.662min (-0.014) 0.27ng/ul

response 5151

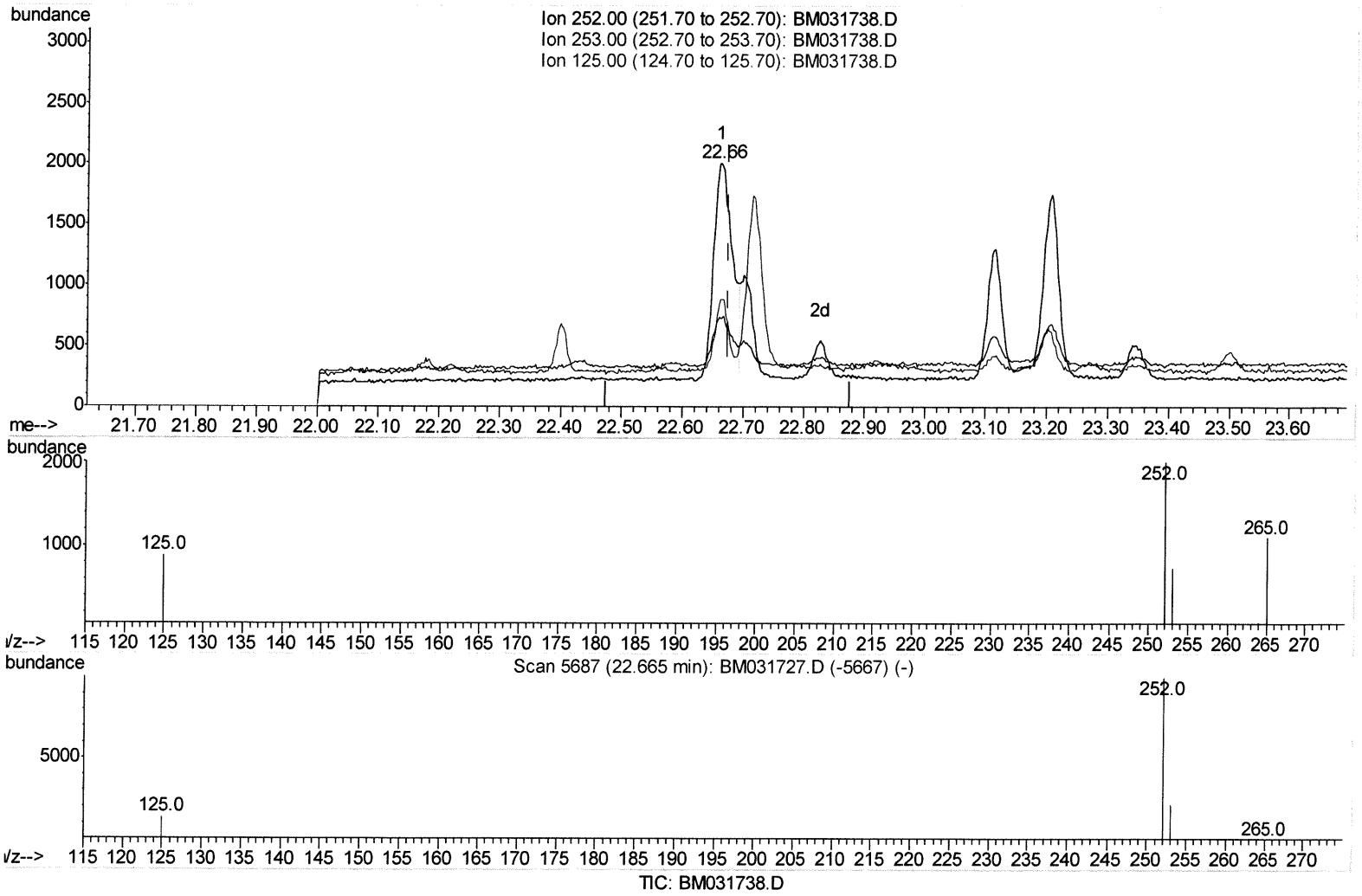
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	36.33
125.00	11.40	44.01#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031738.D
Acq On : 14 Aug 2021 06:11
Operator : CG/JU
Sample : M3220-01DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 06:49:22 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 : Sat Aug 14 05:28:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JCEN1DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:41:07 AM



(24) Benzo(b)fluoranthene

22.662min (-0.014) 0.21ng/ul m

response 3931

JC 8/16/21

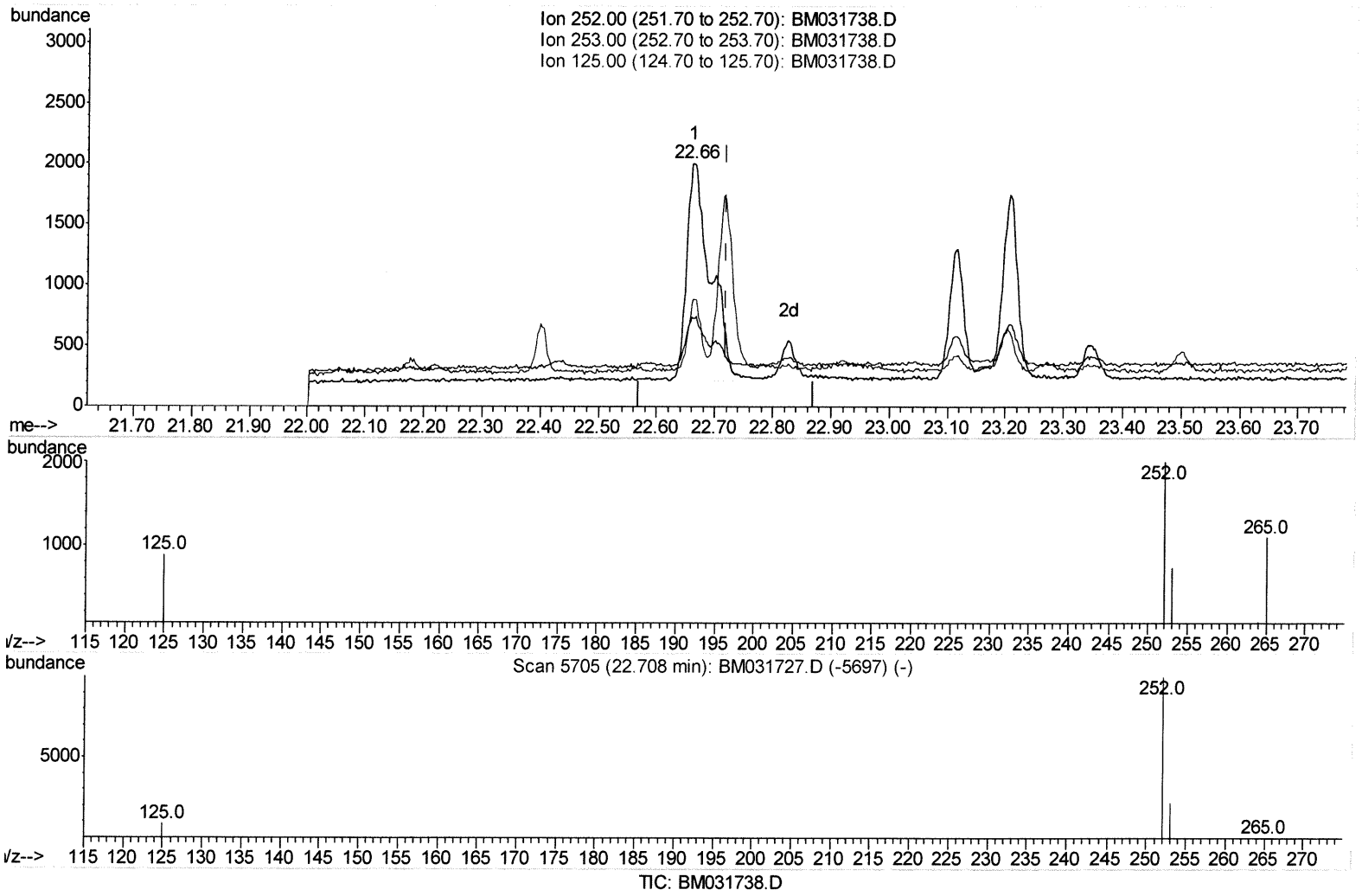
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	36.33
125.00	11.40	44.01#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031738.D
Acq On : 14 Aug 2021 06:11
Operator : CG/JU
Sample : M3220-01DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 06:51:19 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 : Sat Aug 14 05:28:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JCEN1DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:41:07 AM



(25) Benzo(k)fluoranthene

22.662min (-0.058) 0.27ng/ul

response 5151

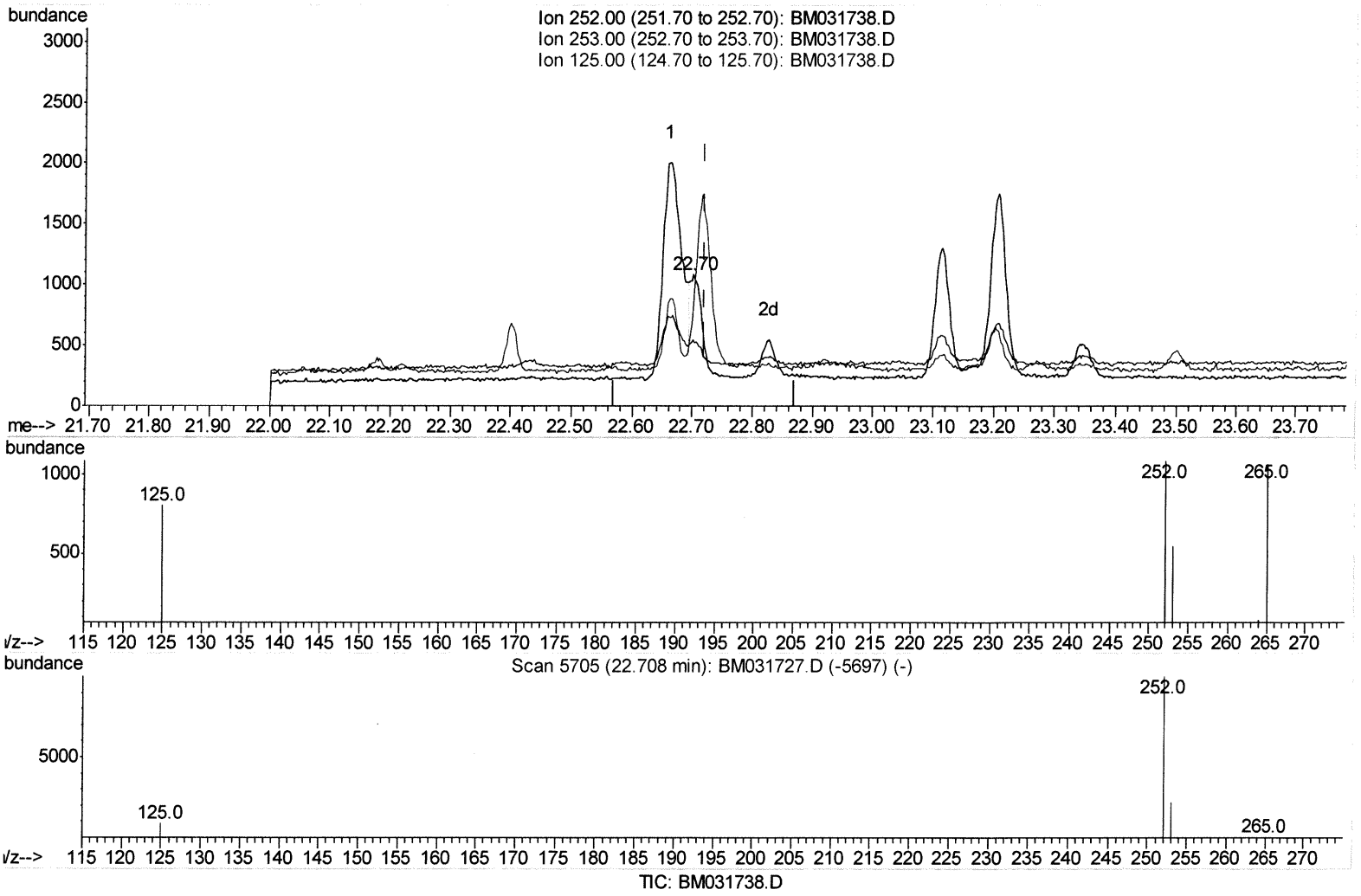
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	36.33#
125.00	11.00	44.01#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031738.D
Acq On : 14 Aug 2021 06:11
Operator : CG/JU
Sample : M3220-01DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 14 06:51:19 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 : Sat Aug 14 05:28:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JCEN1DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:41:07 AM



(25) Benzo(k)fluoranthene

22.701min (-0.019) 0.06ng/ul m

JU 8/16/21

response 1189

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	50.18#
125.00	11.00	74.12#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031738.D
Acq On : 14 Aug 2021 06:11
Operator : CG/JU
Sample : M3220-01DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JCEN1DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:41:07 AM

Quant Time: Aug 14 06:52:46 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1314	0.40	ng/ul	-0.01
4) Naphthalene-d8	10.32	136	4773	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	2575	0.40	ng/ul	-0.01
13) Phenanthrene-d10	16.95	188	4948	0.40	ng/ul	-0.01
17) Chrysene-d12	21.15	240	4050	0.40	ng/ul	-0.01
23) Perylene-d12	23.30	264	4175	0.40	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	836	0.57	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	293	0.04	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	516	0.04	ng/ul	-0.01
Target Compounds						Qvalue
10) Acenaphthylene	13.92	152	357	0.033	ng/ul#	60
15) Phenanthrene	16.99	178	1513	0.096	ng/ul#	93
16) Anthracene	17.09	178	361	0.025	ng/ul#	69
19) Fluoranthene	19.02	202	3798	0.220	ng/ul#	93
20) Pyrene	19.38	202	4763	0.272	ng/ul	96
21) Benzo(a)anthracene	21.13	228	1907	0.117	ng/ul#	81
22) Chrysene	21.18	228	2669	0.158	ng/ul	95
24) Benzo(b)fluoranthene	22.66	252	3931m	0.209	ng/ul	
25) Benzo(k)fluoranthene	22.70	252	1189m	0.061	ng/ul	
26) Benzo(a)pyrene	23.21	252	2731	0.166	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	25.43	276	2497	0.117	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.44	278	501	0.029	ng/ul#	1
29) Benzo(g,h,i)perylene	26.08	276	516	0.028	ng/ul#	47

JU 8/16/21

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