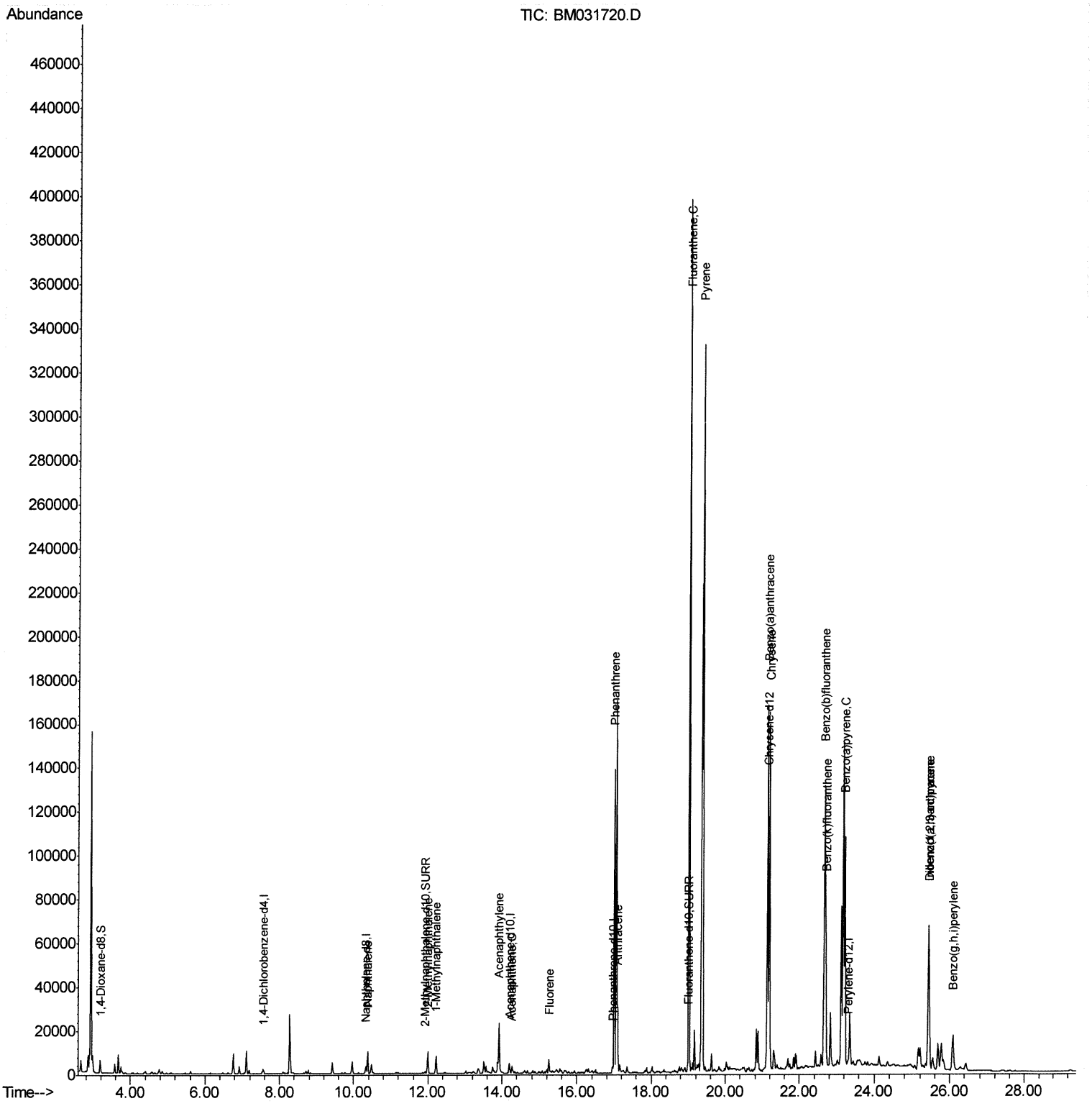
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:59:21 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM

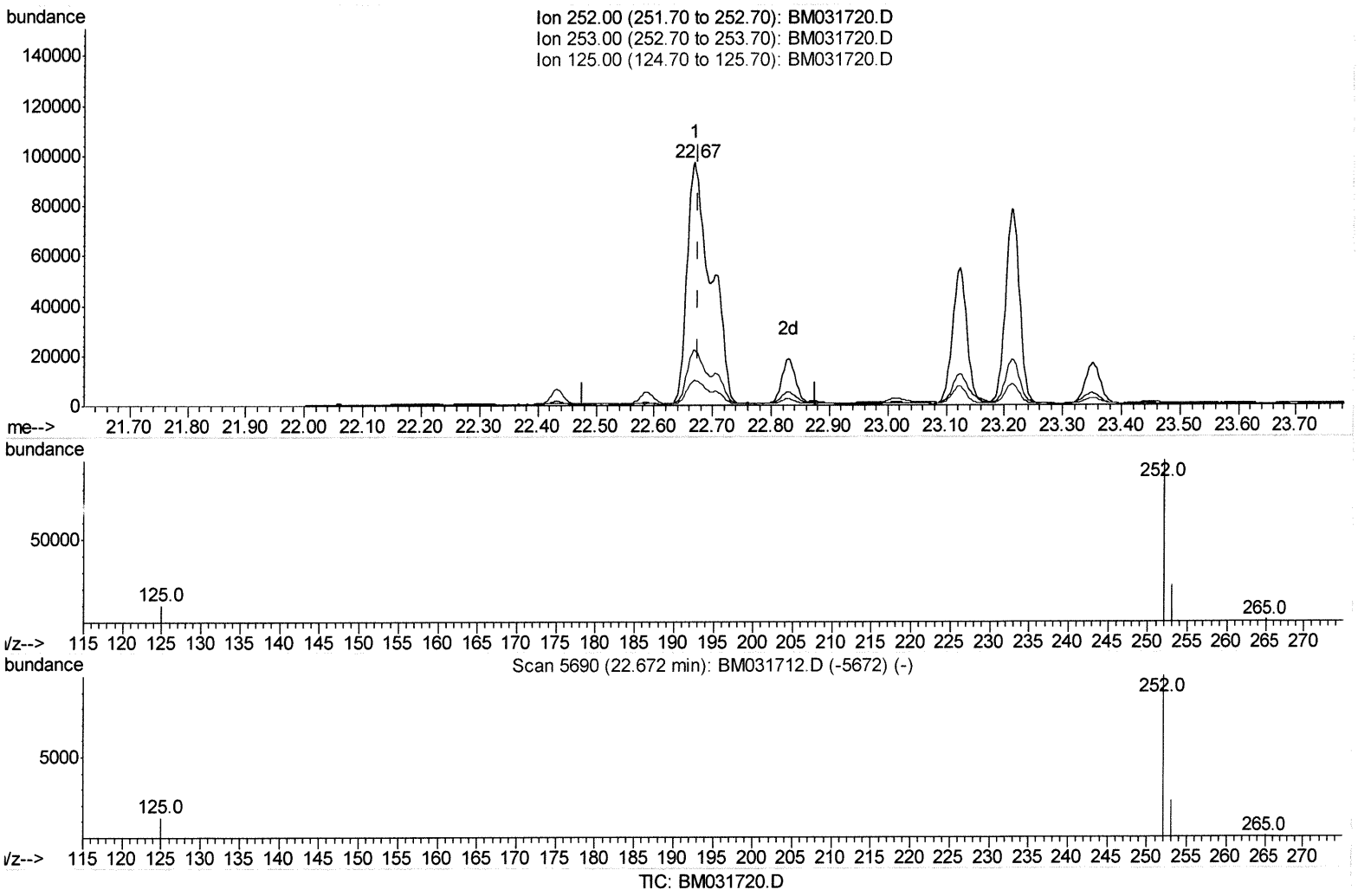


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:48:31 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM



(24) Benzo(b)fluoranthene

22.670min (-0.007) 15.73ng/ul

response 273819

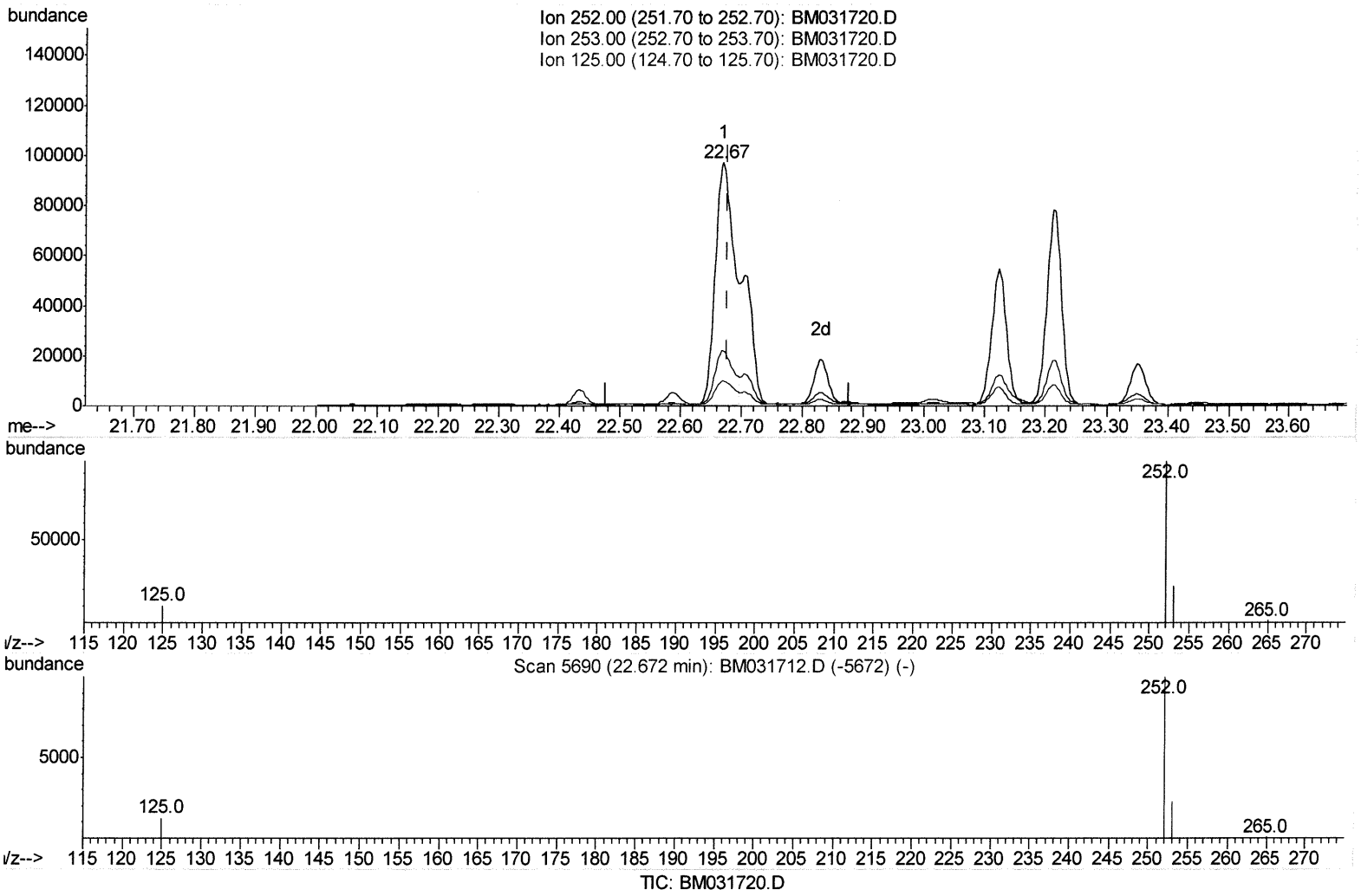
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	22.92
125.00	11.40	10.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:48:31 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM



TIC: BM031720.D

(24) Benzo(b)fluoranthene

22.670min (-0.007) 11.68ng/ul m

response 203272

JE 8/16/21

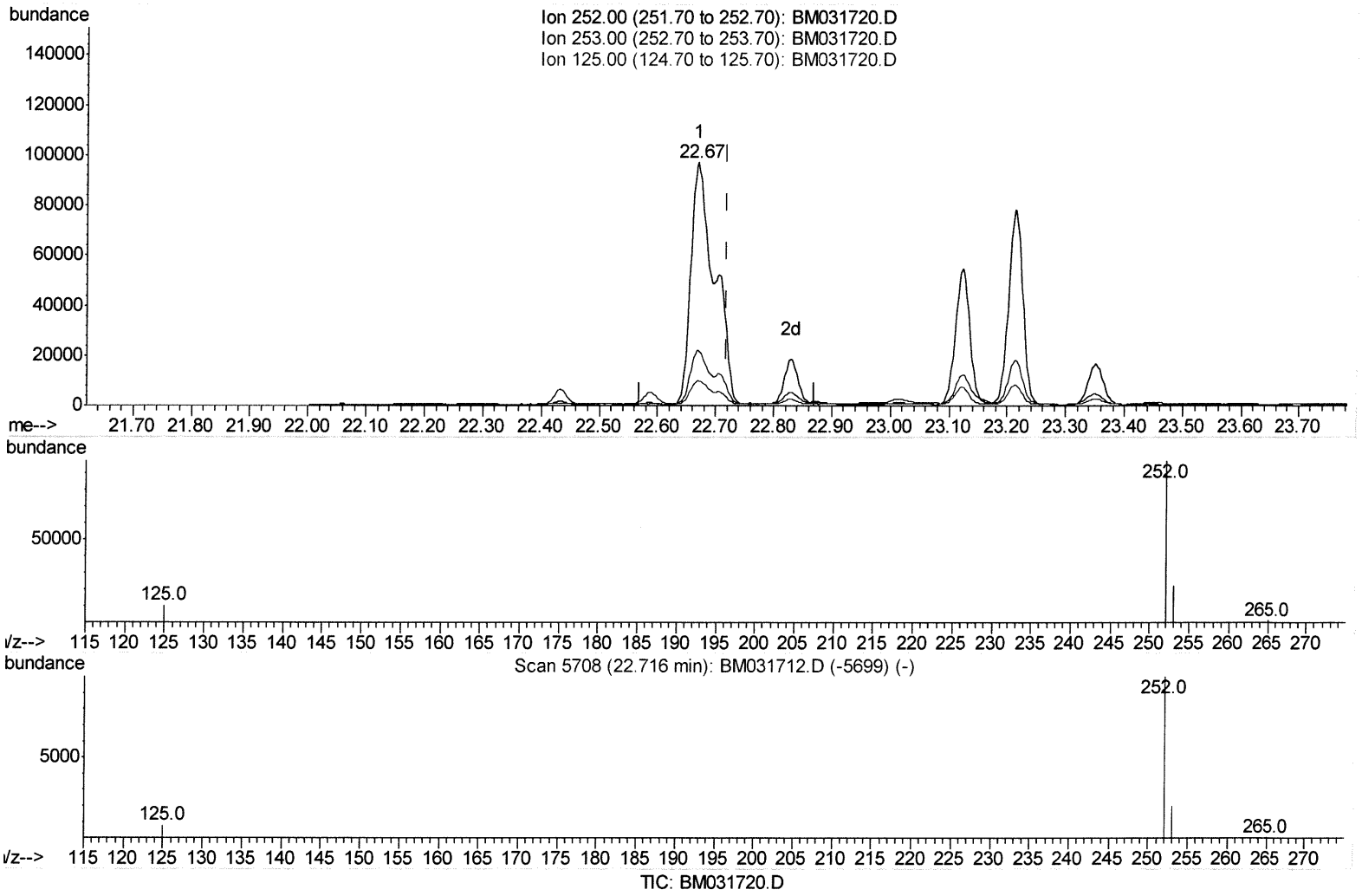
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	22.92
125.00	11.40	10.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:57:21 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM



(25) Benzo(k)fluoranthene

22.670min (-0.051) 15.23ng/ul

response 273819

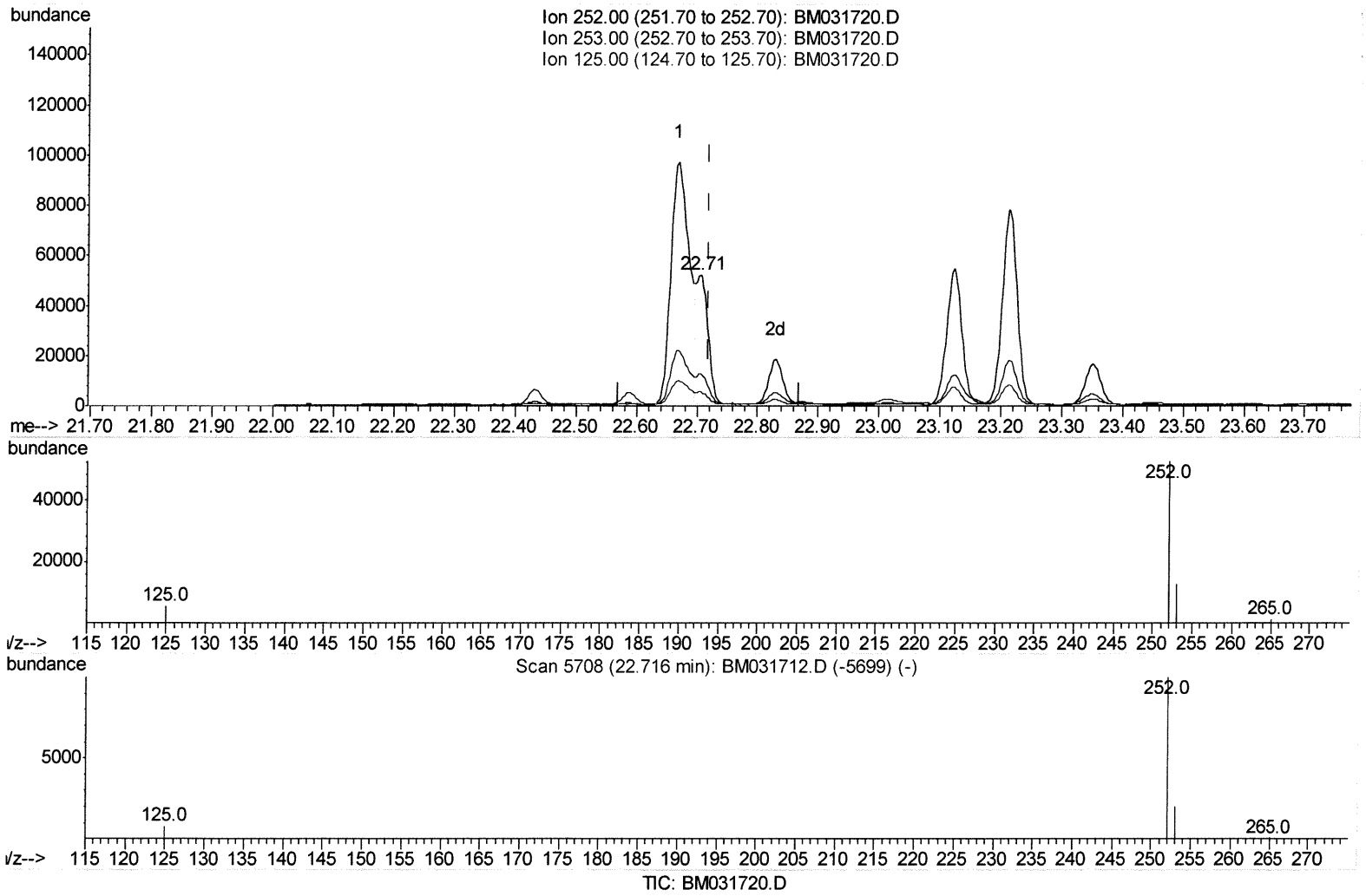
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	22.92
125.00	11.00	10.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:57:21 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM



(25) Benzo(k)fluoranthene

22.706min (-0.014) 3.90ng/ul m

response 70174

JP 8/16/21

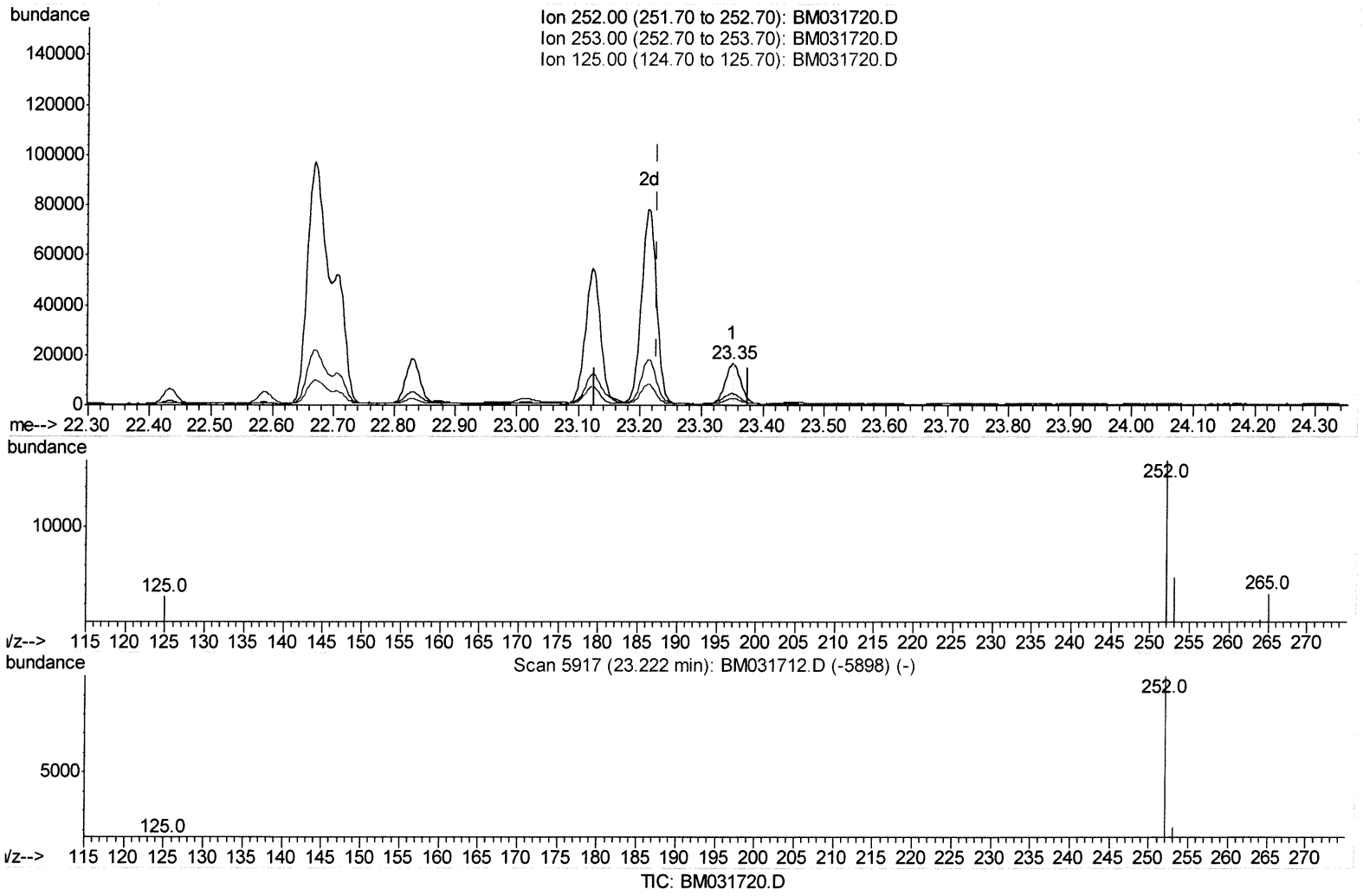
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.21
125.00	11.00	10.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:58:21 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM



(26) Benzo(a)pyrene (C)

23.350min (+0.124) 1.12ng/ul

response 17099

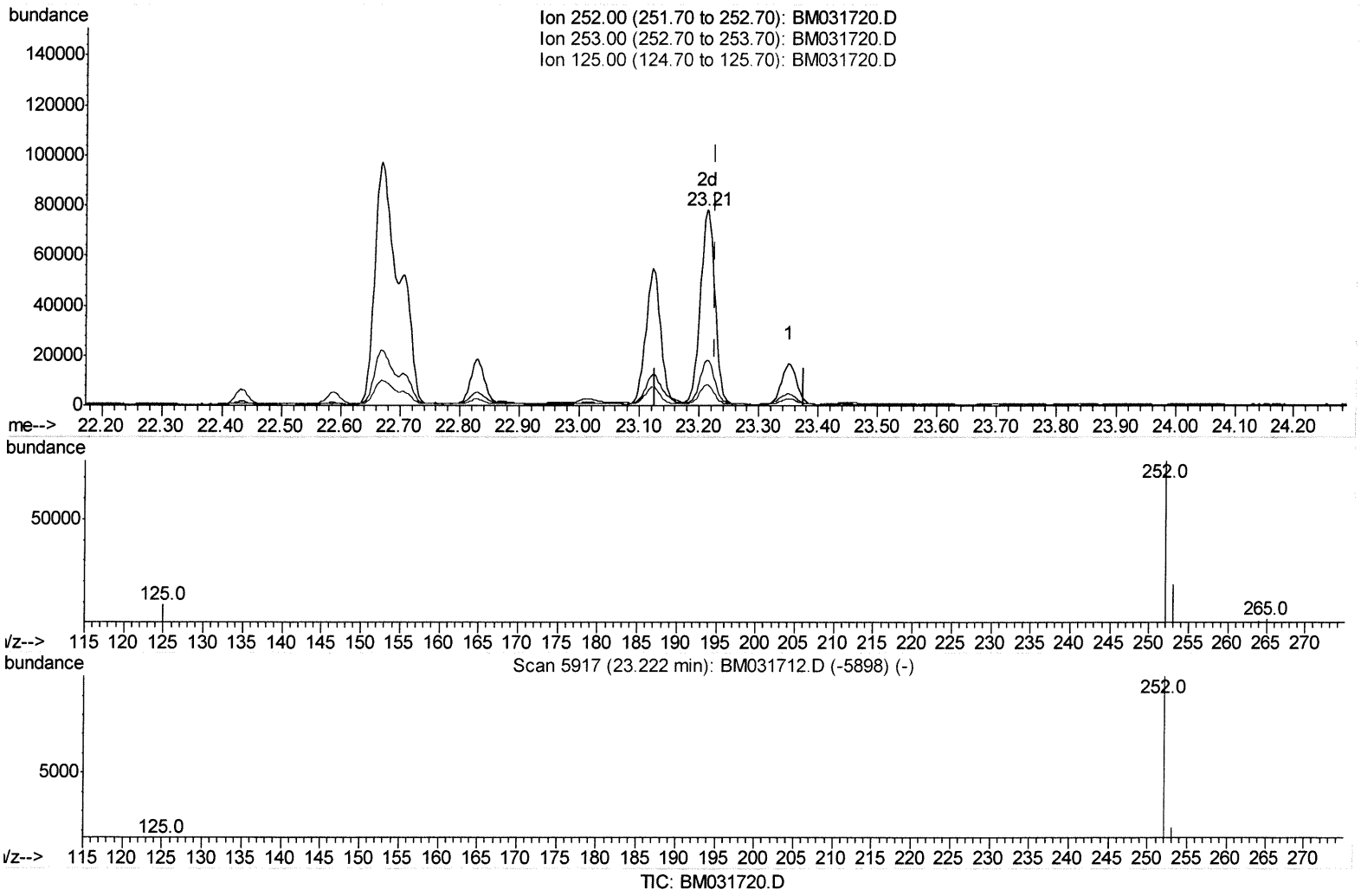
Ion	Exp%	Act%
252.00	100	100
253.00	28.00	28.00
125.00	16.20	16.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:58:21 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM



(26) Benzo(a)pyrene (C)

23.212min (-0.014) 8.65ng/ul m

response 131887

JY 8/16/21

Ion	Exp%	Act%
252.00	100	100
253.00	28.00	23.39
125.00	16.20	11.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031720.D
Acq On : 13 Aug 2021 18:21
Operator : CG/JU
Sample : M3208-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 00:59:21 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 : Thu Aug 12 17:28:09 2021
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : C00E4

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:12 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1095	0.40	ng/ul	0.00
4) Naphthalene-d8	10.32	136	4071	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	2449	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	4483	0.40	ng/ul	-0.01
17) Chrysene-d12	21.15	240	3904	0.40	ng/ul	0.00
23) Perylene-d12	23.31	264	3863	0.40	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	3735	3.07	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.92	152	1260	0.18	ng/ul	-0.01
18) Fluoranthene-d10	18.99	212	2497	0.19	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	10.37	128	13433	1.108	ng/ul	98
7) 2-Methylnaphthalene	12.00	142	7199	0.869	ng/ul	100
8) 1-Methylnaphthalene	12.22	142	5393	0.659	ng/ul	99
10) Acenaphthylene	13.92	152	30160	2.891	ng/ul	98
11) Acenaphthene	14.27	153	2227	0.254	ng/ul	96
12) Fluorene	15.25	166	4020	0.398	ng/ul#	93
15) Phenanthrene	17.00	178	144977	10.184	ng/ul	97
16) Anthracene	17.09	178	29037	2.179	ng/ul	98
19) Fluoranthene	19.02	202	339696	20.377	ng/ul	97
20) Pyrene	19.38	202	282588	16.713	ng/ul	97
21) Benzo(a)anthracene	21.13	228	139306	8.837	ng/ul	95
22) Chrysene	21.19	228	150399	9.221	ng/ul	97
24) Benzo(b)fluoranthene	22.67	252	203272m	11.679	ng/ul	
25) Benzo(k)fluoranthene	22.71	252	70174m	3.902	ng/ul	
26) Benzo(a)pyrene	23.21	252	131887m	8.653	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.44	276	97090	4.927	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.44	278	23920	1.506	ng/ul	94
29) Benzo(g,h,i)perylene	26.09	276	32407	1.928	ng/ul	97

JU 8/16/21

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