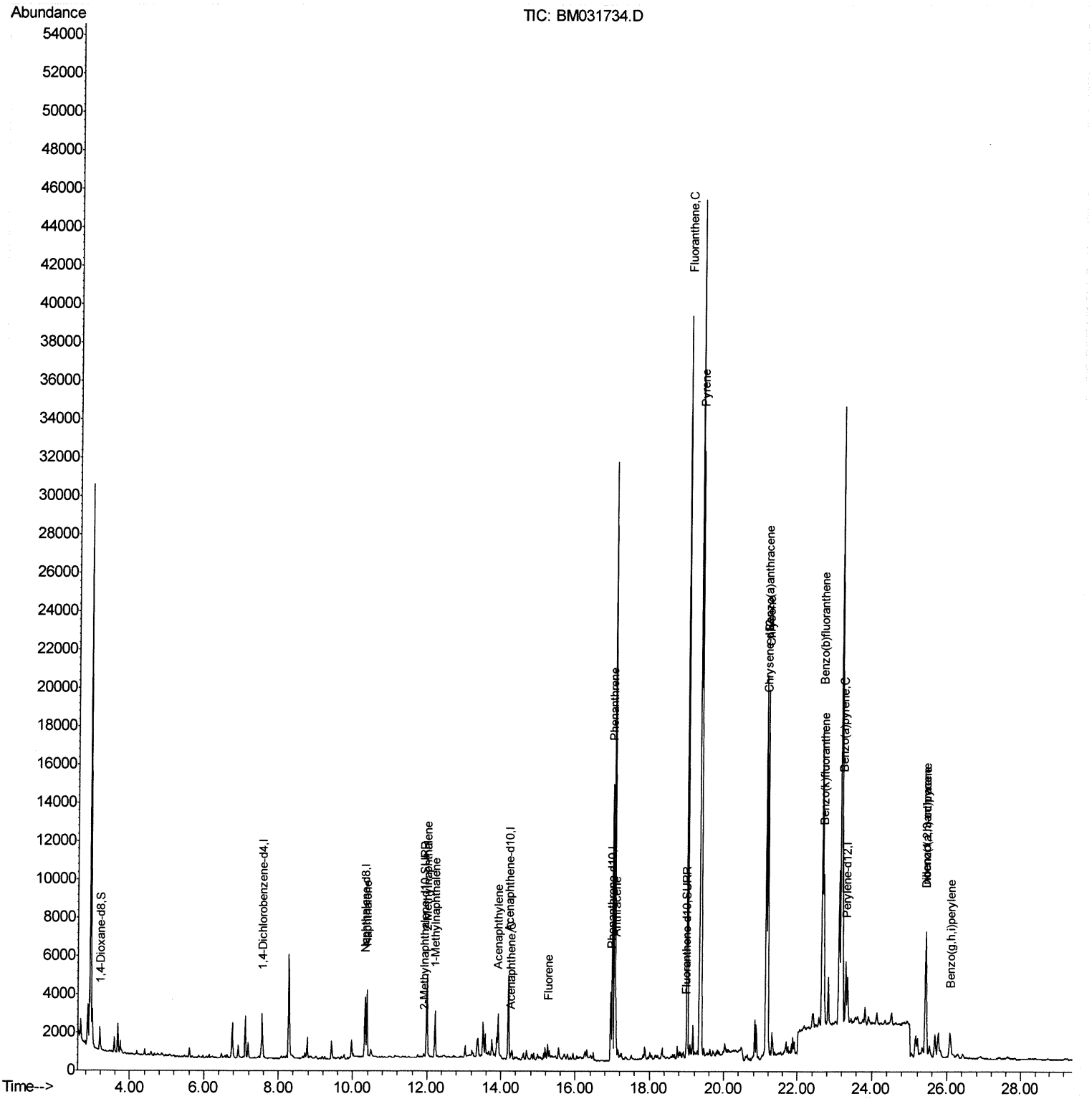
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 14 04:29:07 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 03:22:39 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM

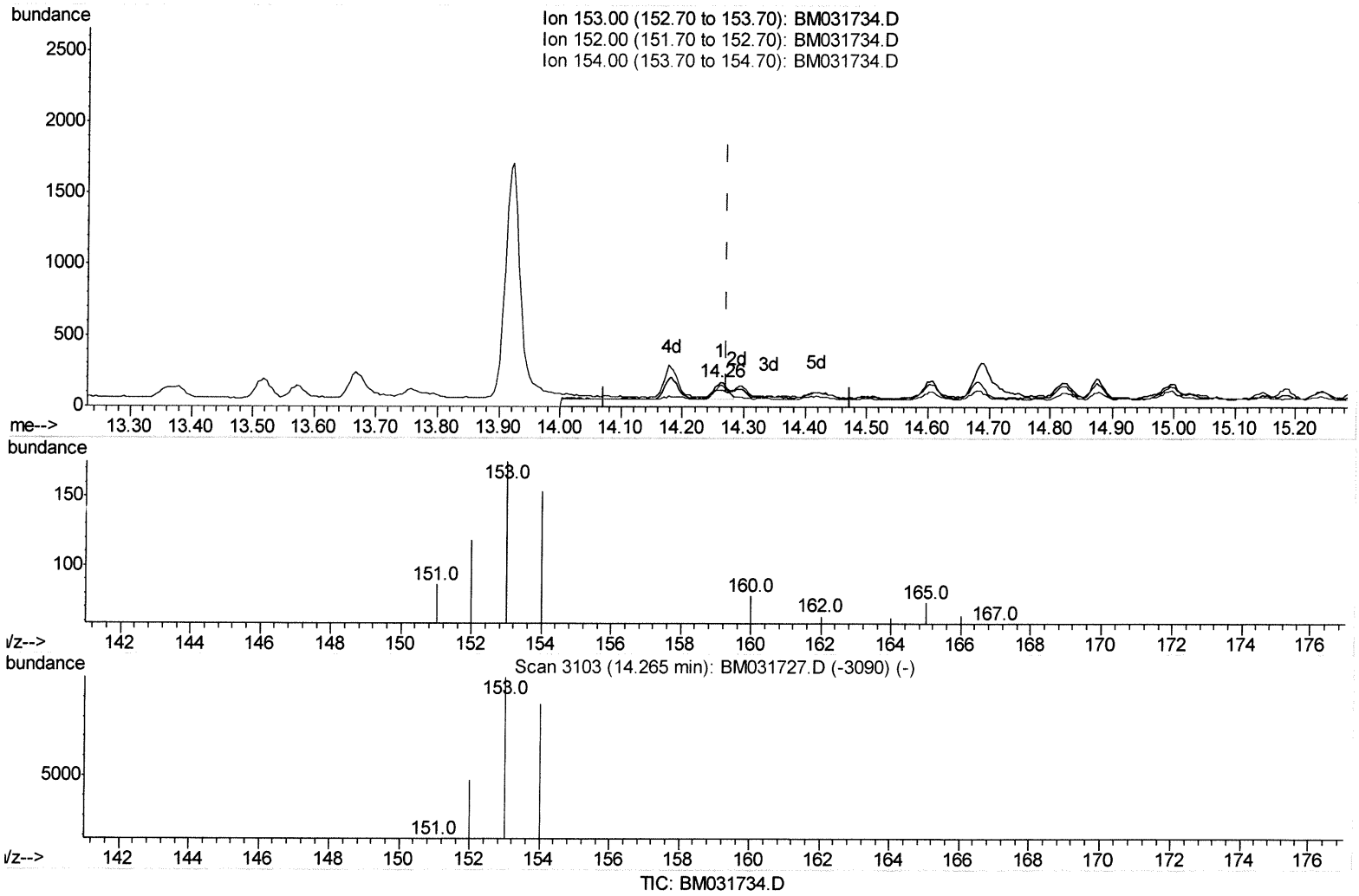


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 14 04:23:30 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 03:22:39 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM



TIC: BM031734.D

(11) Acenaphthene (C)

14.262min (-0.011) 0.02ng/ul

response 190

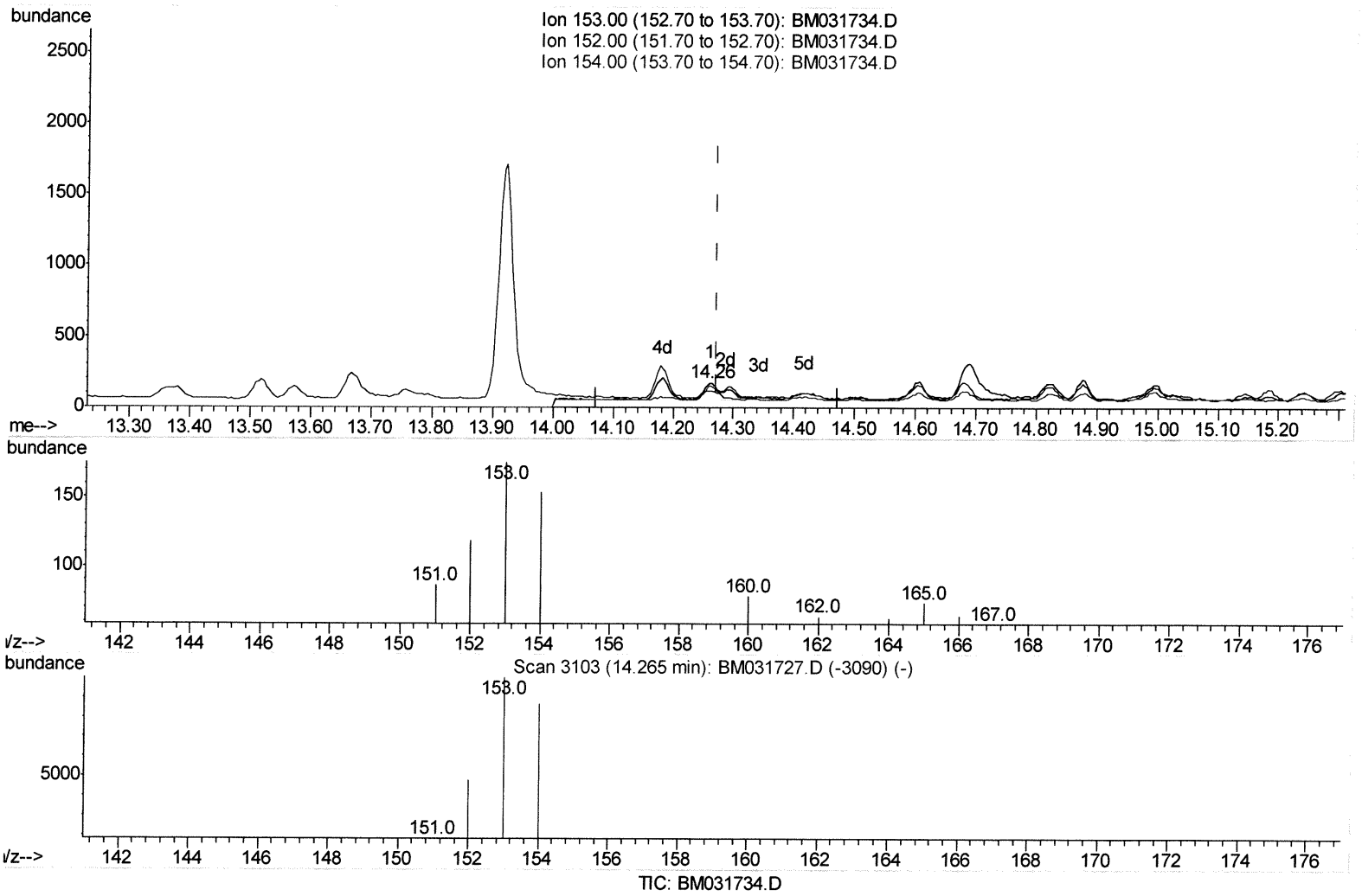
Ion	Exp%	Act%
153.00	100	100
152.00	50.90	67.43#
154.00	87.70	87.43
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 14 04:23:30 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 03:22:39 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM



TIC: BM031734.D

(11) Acenaphthene (C)

14.262min (-0.011) 0.03ng/ul m

JE 8/16/21

response 277

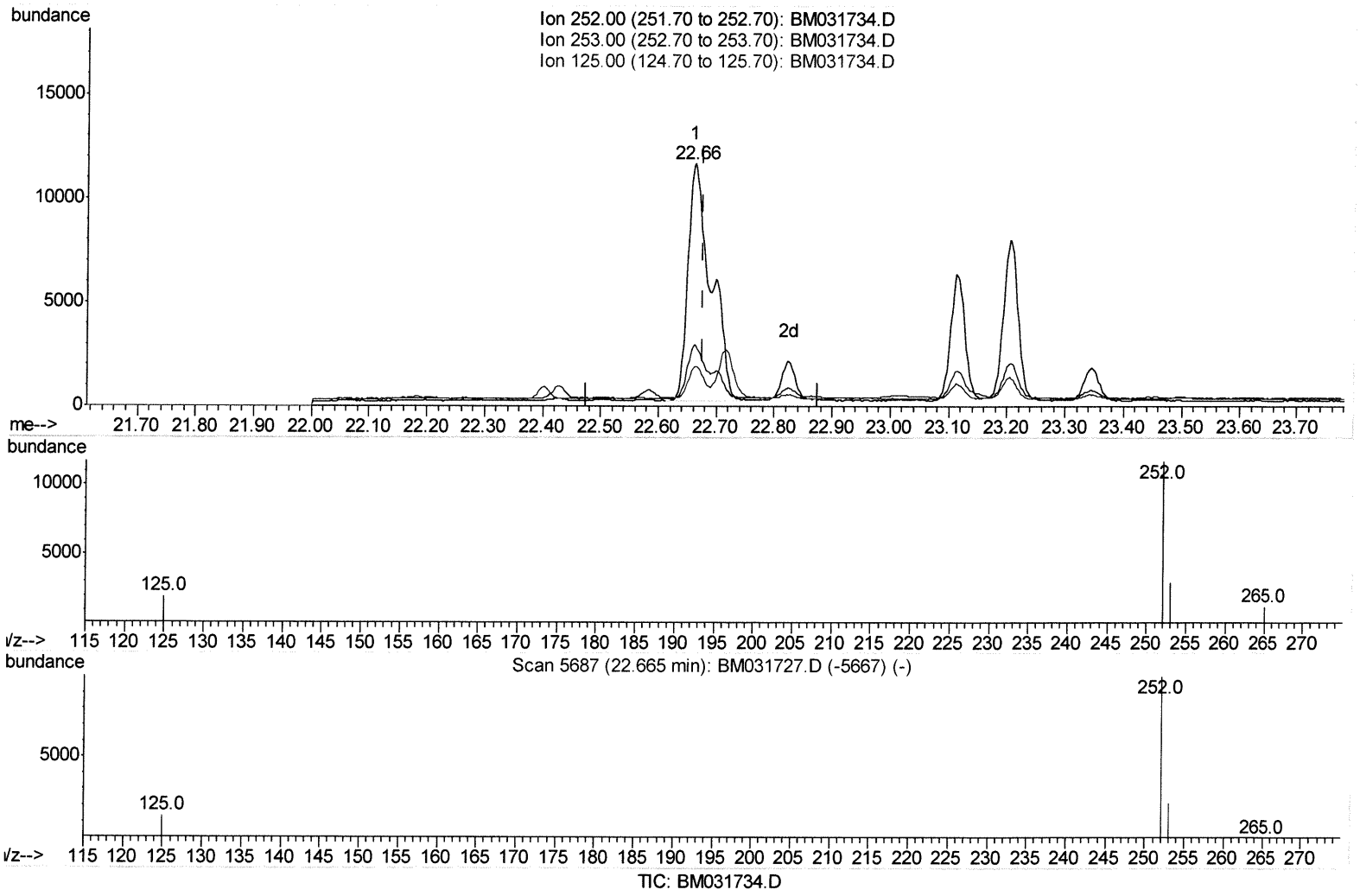
Ion	Exp%	Act%
153.00	100	100
152.00	50.90	67.43#
154.00	87.70	87.43
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 14 04:26:20 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 : Sat Aug 14 03:22:39 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM



(24) Benzo(b)fluoranthene

22.662min (-0.014) 1.81ng/ul

response 31509

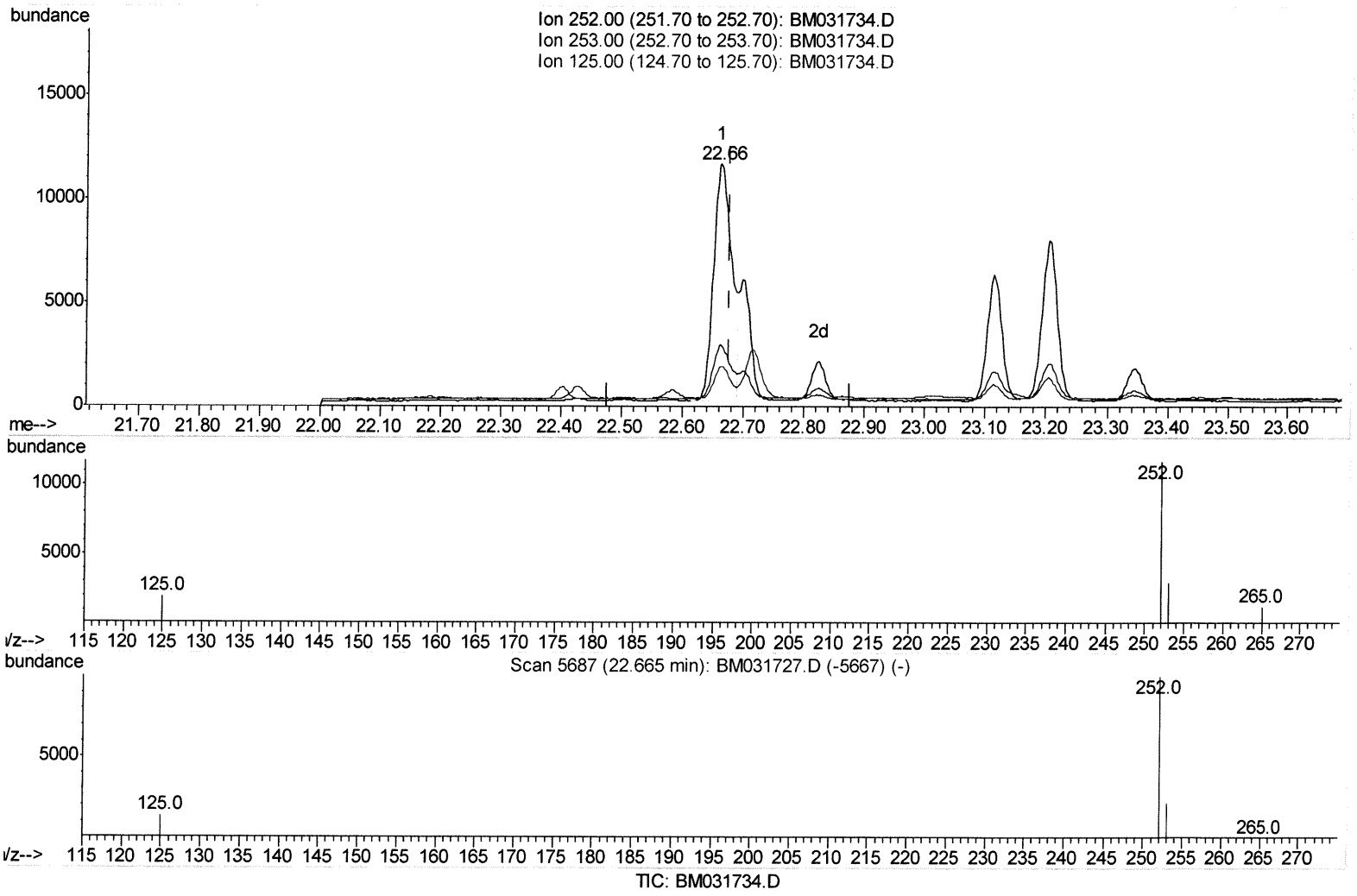
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	25.26
125.00	11.40	16.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 14 04:26:20 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 : Sat Aug 14 03:22:39 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM



(24) Benzo(b)fluoranthene

22.662min (-0.014) 1.34ng/ul m

response 23363

8/16/21

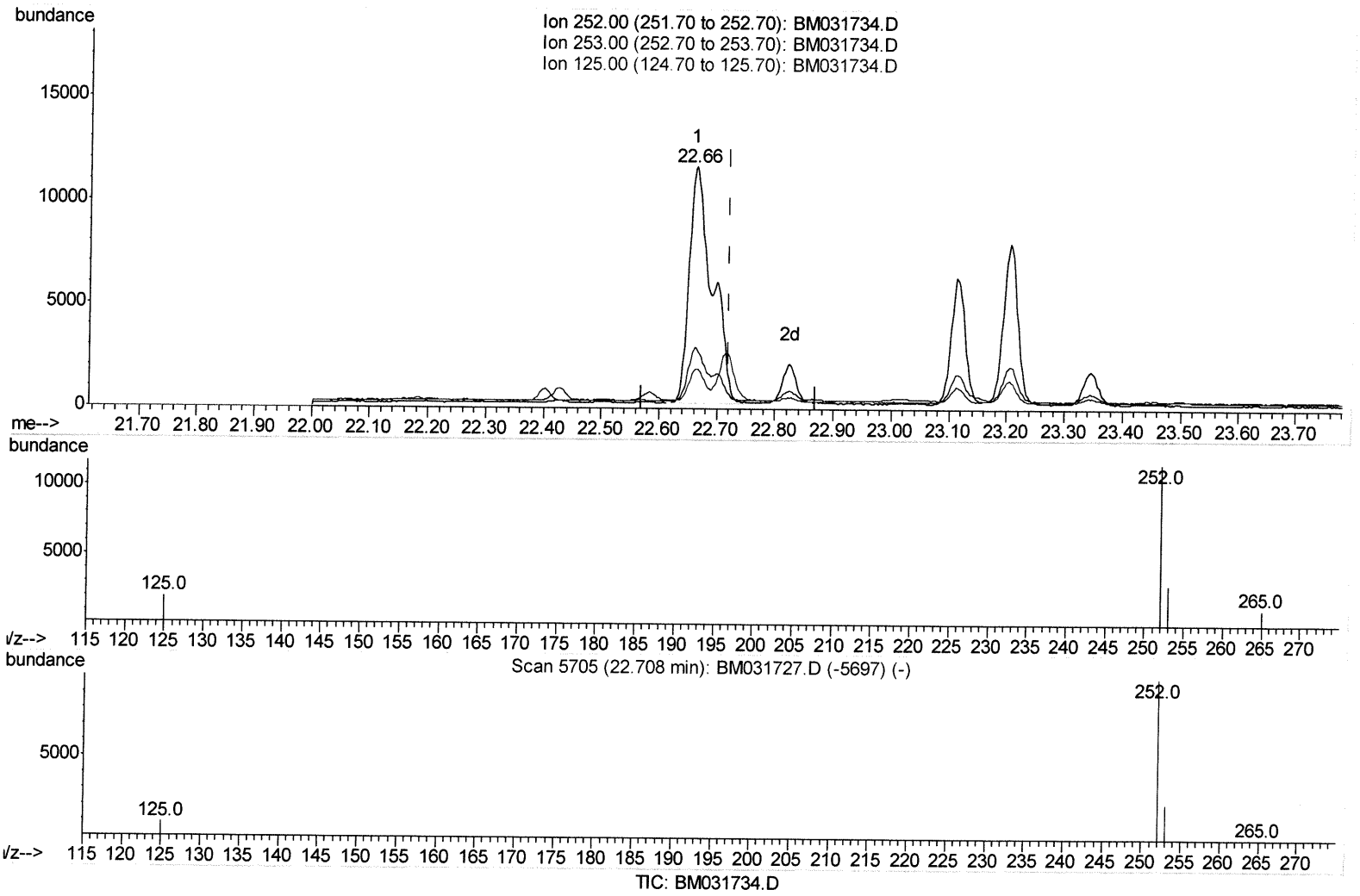
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	25.26
125.00	11.40	16.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 14 04:28:08 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 03:22:39 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM



TIC: BM031734.D

(25) Benzo(k)fluoranthene

22.662min (-0.058) 1.75ng/ul

response 31509

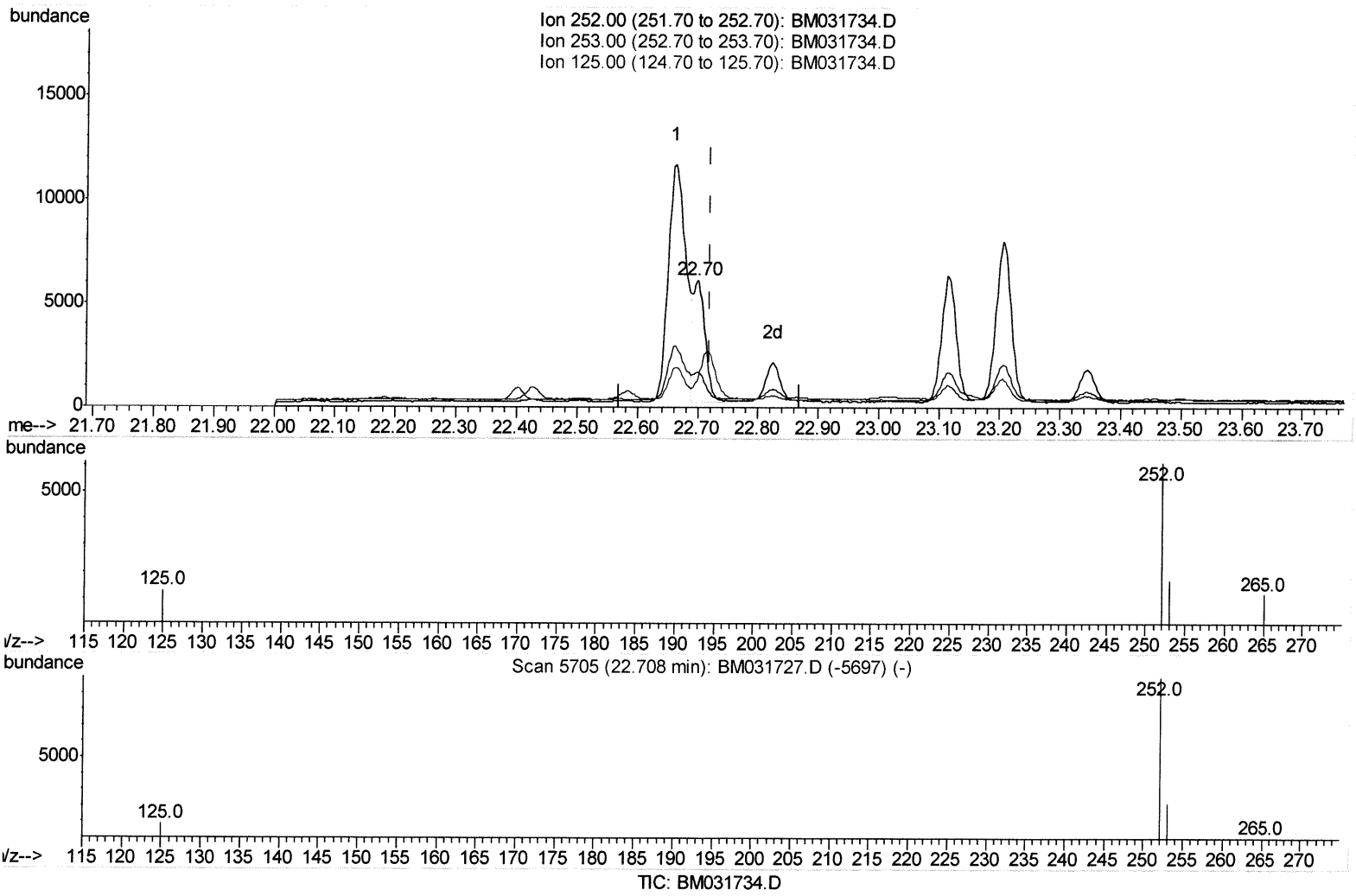
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	25.26
125.00	11.00	16.44#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 14 04:28:08 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 03:22:39 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM



(25) Benzo(k)fluoranthene

22.699min (-0.021) 0.45ng/ul m

response 8168

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.94
125.00	11.00	21.03#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\
Data File : BM031734.D
Acq On : 14 Aug 2021 03:43
Operator : CG/JU
Sample : M3208-09DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00E9DL

Manual Integrations APPROVED
mohammad
8/16/2021 8:40:55 AM

Quant Time: Aug 14 04:29:07 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 03:22:39 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1163	0.40	ng/ul	0.00
4) Naphthalene-d8	10.32	136	4211	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	2308	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	4437	0.40	ng/ul	-0.01
17) Chrysene-d12	21.15	240	3896	0.40	ng/ul	-0.01
23) Perylene-d12	23.30	264	3872	0.40	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	837	0.65	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.92	152	282	0.04	ng/ul	-0.02
18) Fluoranthene-d10	18.98	212	540	0.04	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	10.37	128	4785	0.381	ng/ul	98
7) 2-Methylnaphthalene	12.00	142	3298	0.385	ng/ul	100
8) 1-Methylnaphthalene	12.22	142	1671	0.197	ng/ul	100
10) Acenaphthylene	13.92	152	2814	0.286	ng/ul	98
11) Acenaphthene	14.26	153	277m	0.033	ng/ul	98
12) Fluorene	15.25	166	465	0.049	ng/ul#	84
15) Phenanthrene	16.99	178	14826	1.052	ng/ul	98
16) Anthracene	17.08	178	3524	0.267	ng/ul	97
19) Fluoranthene	19.02	202	33665	2.024	ng/ul	99
20) Pyrene	19.38	202	26722	1.584	ng/ul	98
21) Benzo(a)anthracene	21.13	228	16152	1.027	ng/ul	96
22) Chrysene	21.18	228	18896	1.161	ng/ul	97
24) Benzo(b)fluoranthene	22.66	252	23363m	1.339	ng/ul	
25) Benzo(k)fluoranthene	22.70	252	8168m	0.453	ng/ul	
26) Benzo(a)pyrene	23.21	252	13643	0.893	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.43	276	10131	0.513	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.43	278	2773	0.174	ng/ul#	73
29) Benzo(g,h,i)perylene	26.08	276	2905	0.172	ng/ul#	83

JU 8/16/21

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