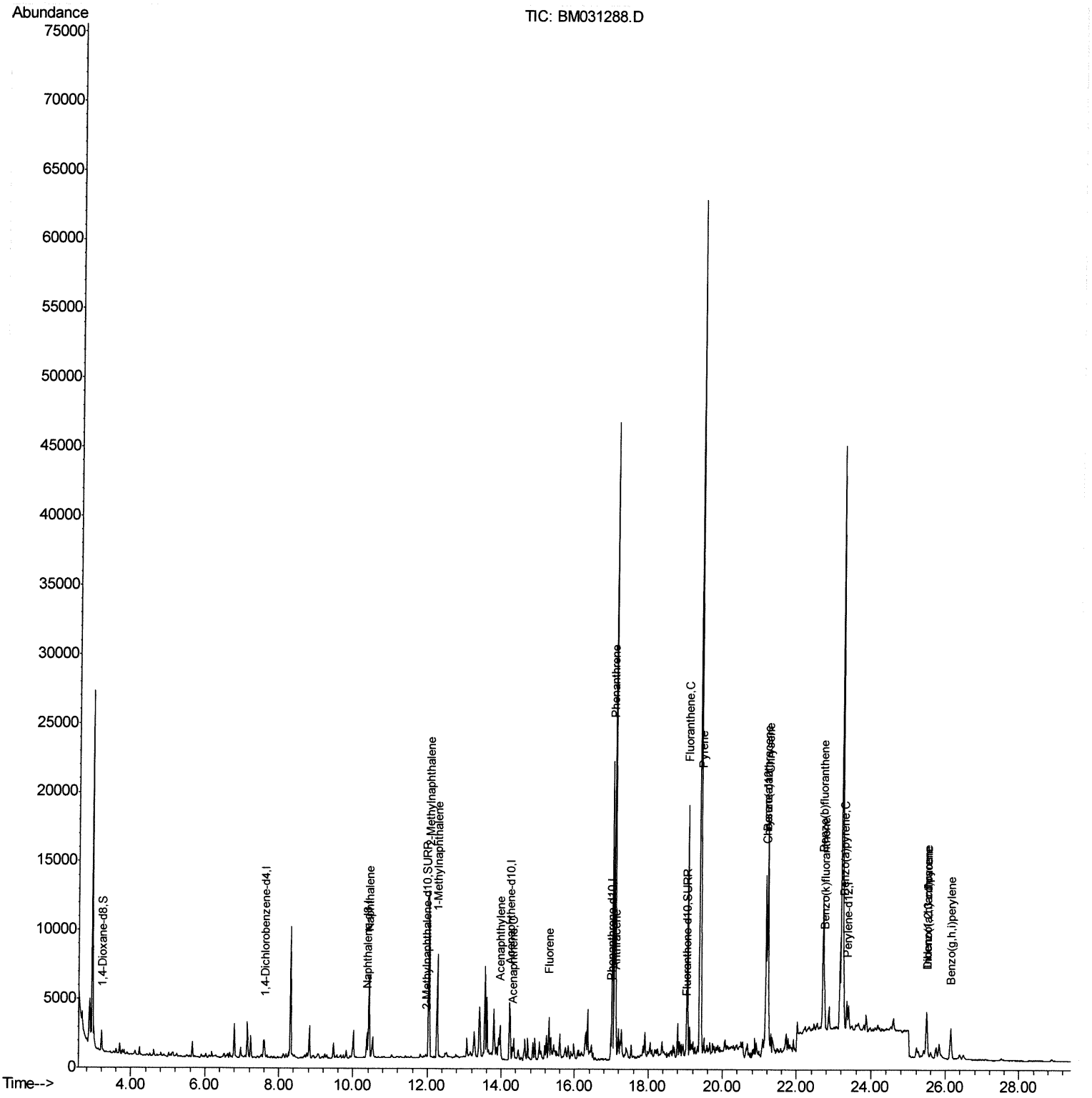
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Aug 02 07:47:28 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 :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM

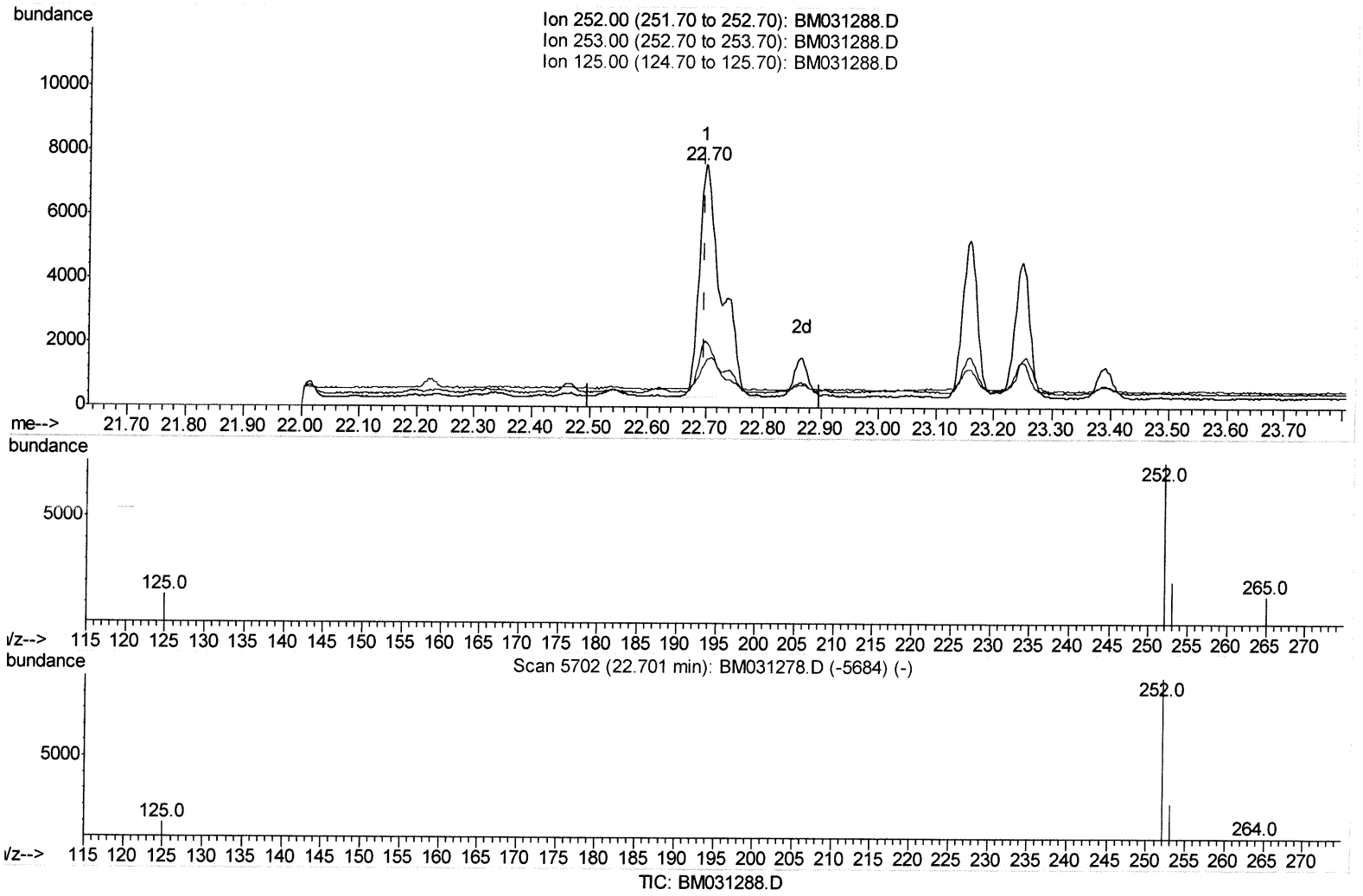


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jul 31 00:02:29 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 :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM



TIC: BM031288.D

(24) Benzo(b)fluoranthene

22.699min (+0.000) 1.80ng/ul

response 19317

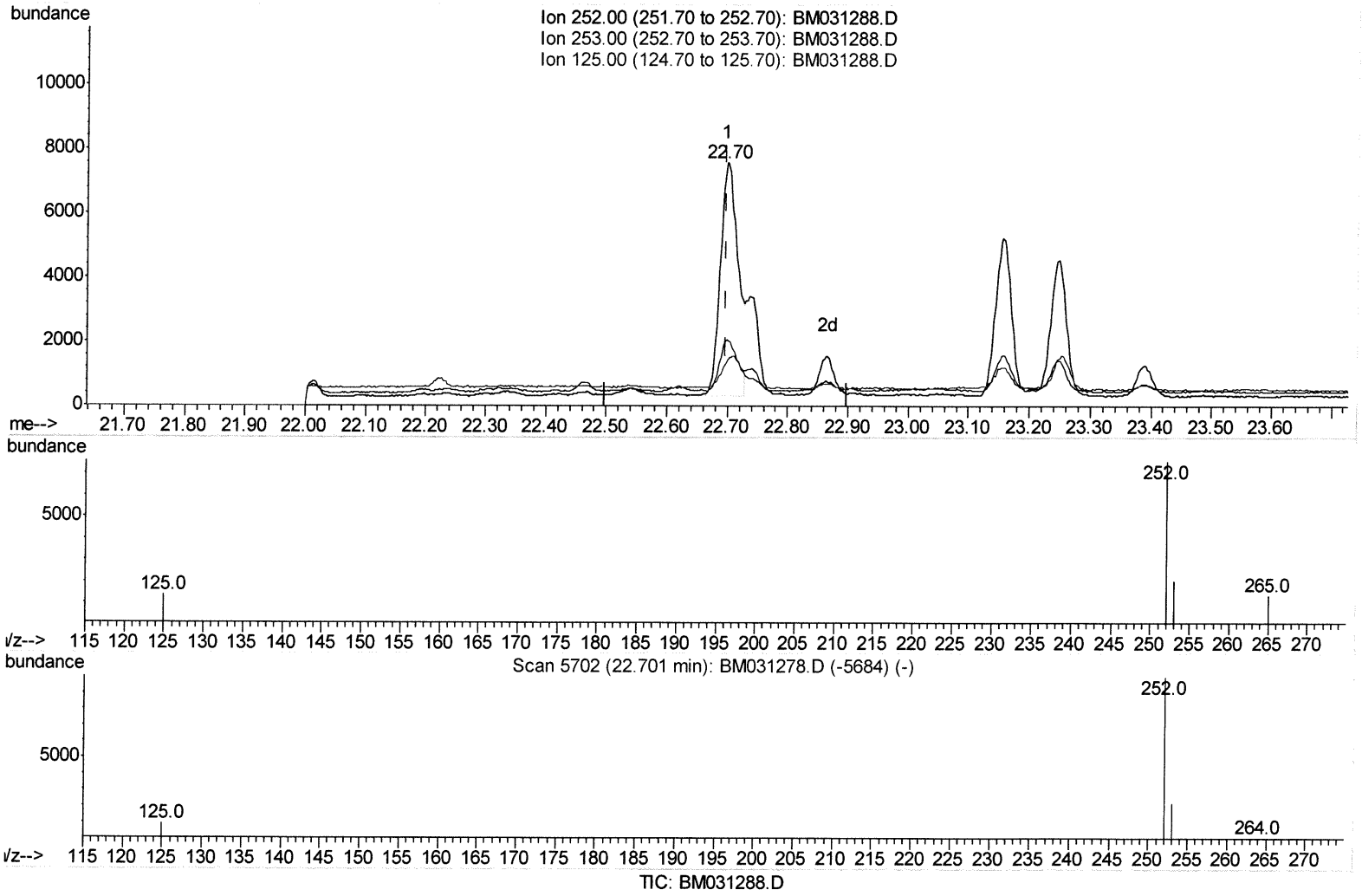
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	27.18
125.00	11.40	18.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jul 31 00:02:29 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 :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM



TIC: BM031288.D

(24) Benzo(b)fluoranthene

22.699min (+0.000) 1.37ng/ul m

response 14737

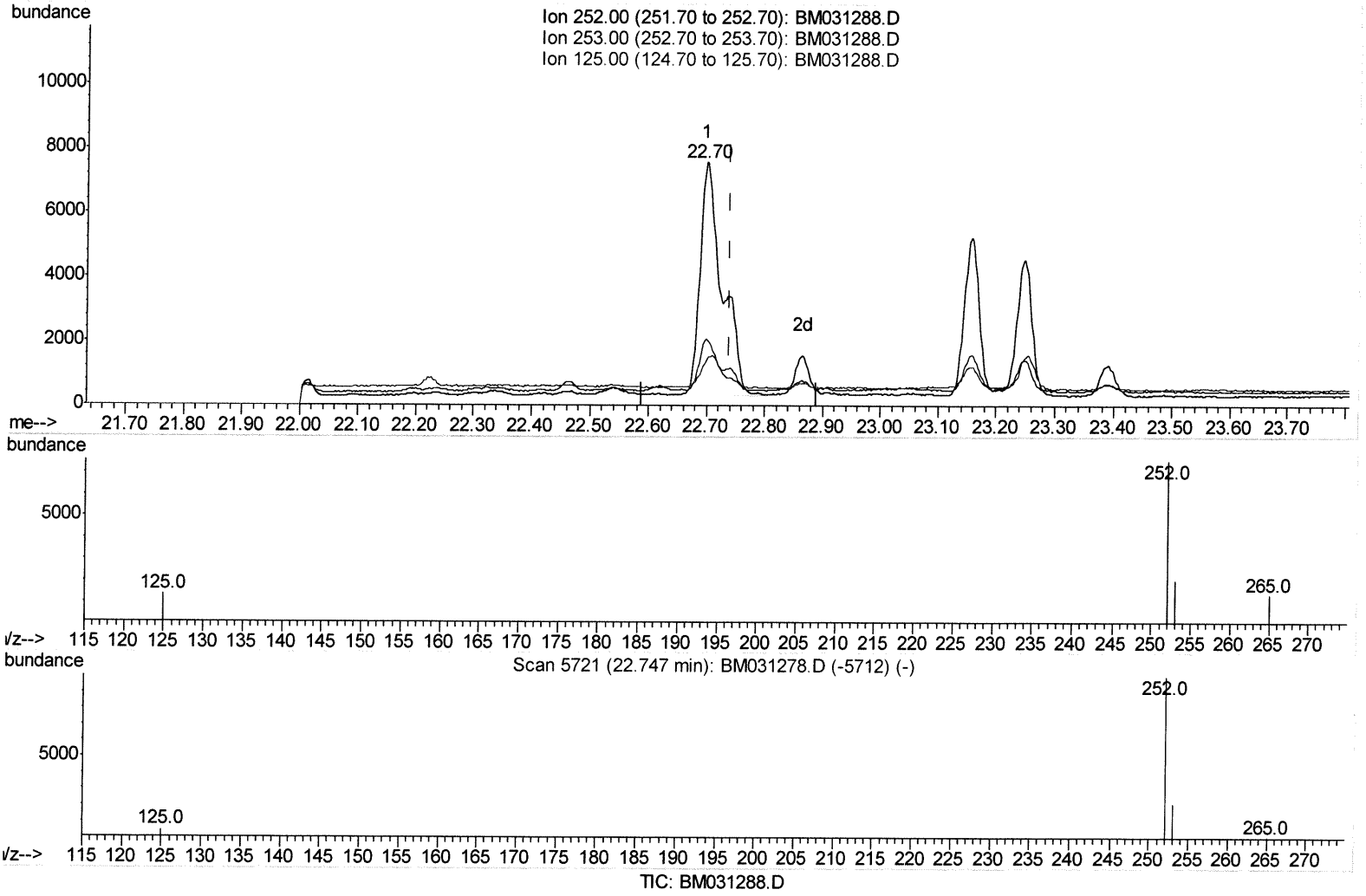
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	27.18
125.00	11.40	18.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jul 31 00:03:59 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 :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM



TIC: BM031288.D

(25) Benzo(k)fluoranthene

22.699min (-0.041) 1.74ng/ul

response 19317

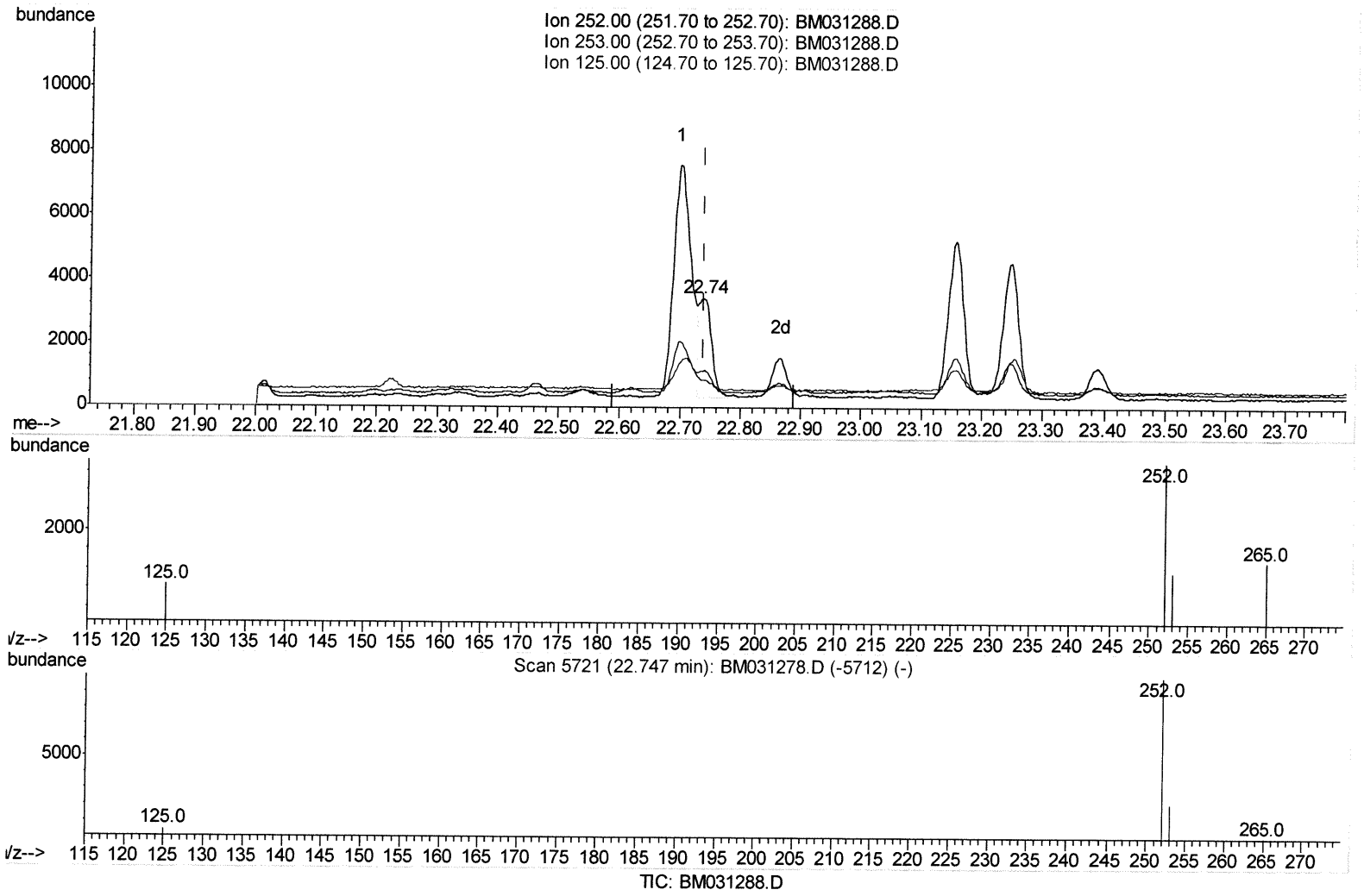
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.18
125.00	11.00	18.15#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jul 31 00:03:59 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 :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM



TIC: BM031288.D

(25) Benzo(k)fluoranthene

22.737min (-0.002) 0.42ng/ul m 7/31/21

response 4625

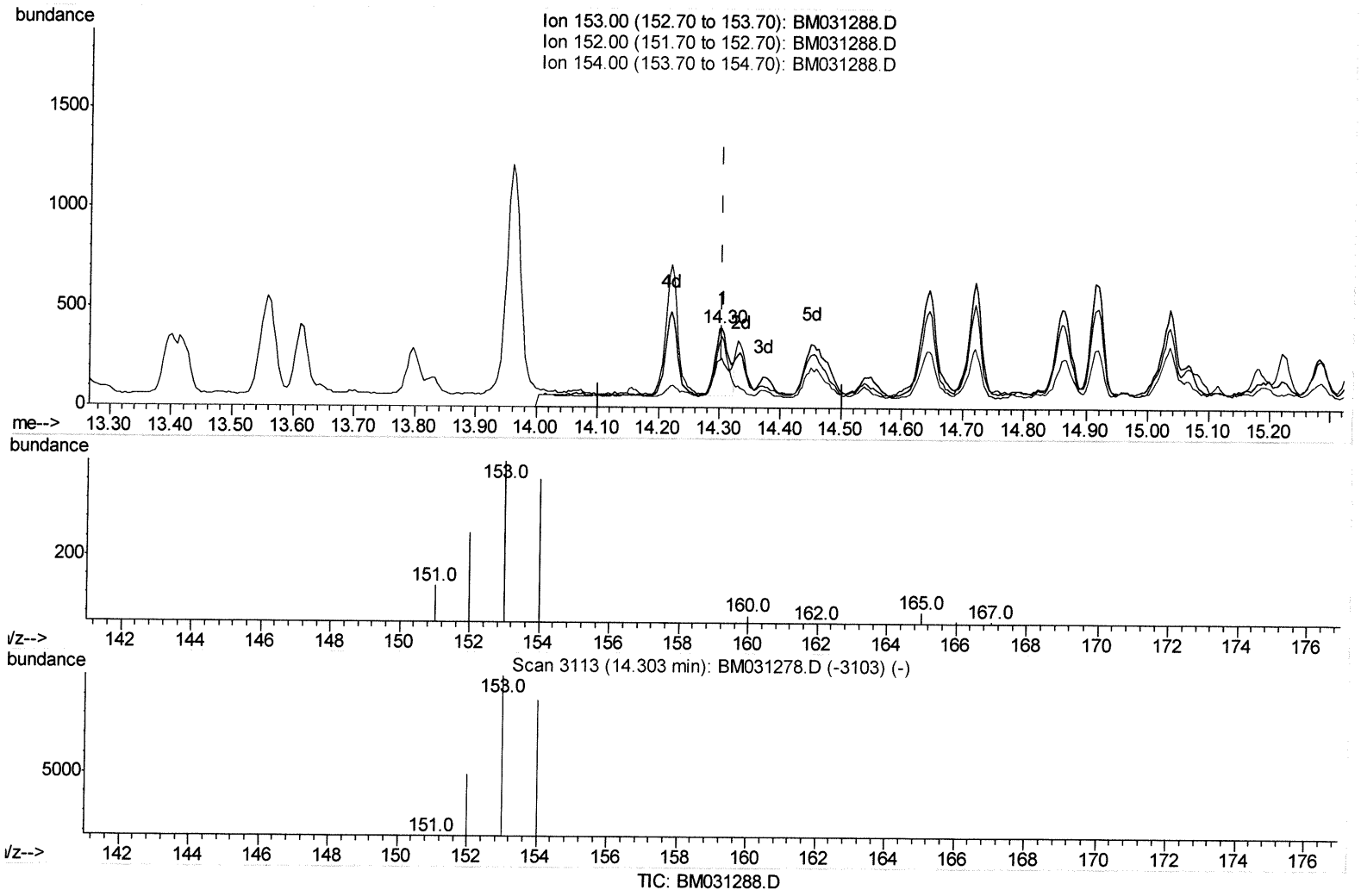
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	33.64#
125.00	11.00	25.46#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jul 31 00:04:51 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 :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM



(11) Acenaphthene (C)

14.303min (+0.000) 0.10ng/ul

response 542

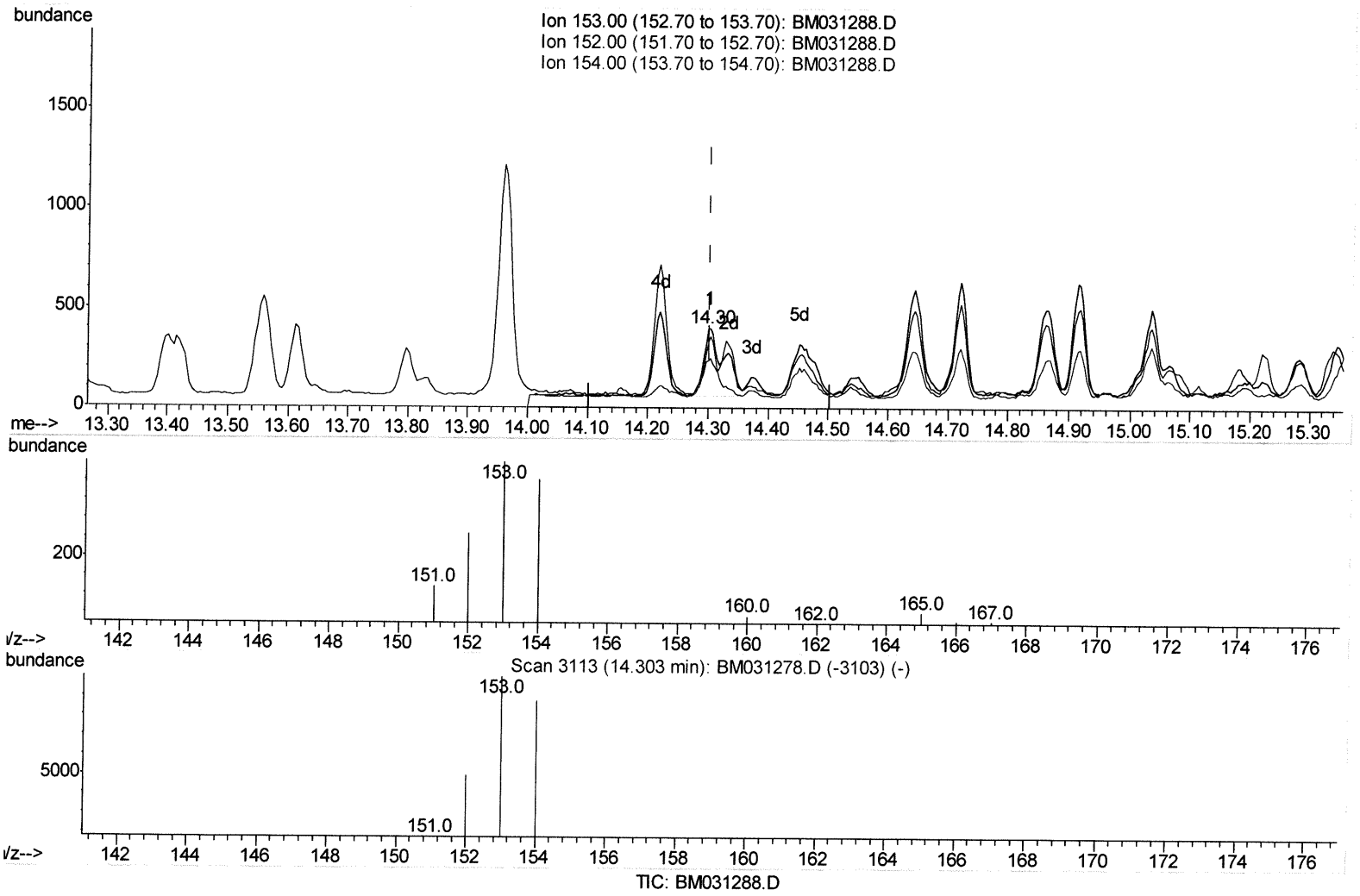
Ion	Exp%	Act%
153.00	100	100
152.00	50.90	61.90#
154.00	87.70	90.48
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jul 31 00:04:51 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 :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM



(11) Acenaphthene (C)

14.303min (+0.000) 0.15ng/ul m

response 816

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	61.90#
154.00	87.70	90.48
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031288.D
Acq On : 30 Jul 2021 23:12
Operator : CG/JU
Sample : M3084-07DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0025DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:40:31 PM

Quant Time: Aug 02 07:47:28 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	574	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	2244	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.24	164	1556	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.99	188	2952	0.40	ng/ul	0.00
17) Chrysene-d12	21.18	240	2465	0.40	ng/ul	0.00
23) Perylene-d12	23.34	264	2382	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	999	1.57	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.97	152	318	0.08	ng/ul	0.00
18) Fluoranthene-d10	19.02	212	713	0.09	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.42	128	8159	1.221	ng/ul	99
7) 2-Methylnaphthalene	12.04	142	8628	1.889	ng/ul	99
8) 1-Methylnaphthalene	12.26	142	4977	1.103	ng/ul	99
10) Acenaphthylene	13.96	152	1860	0.281	ng/ul	92
11) Acenaphthene	14.30	153	816m	0.146	ng/ul	
12) Fluorene	15.29	166	1493	0.233	ng/ul#	83
15) Phenanthrene	17.03	178	22367	2.386	ng/ul	98
16) Anthracene	17.12	178	2790	0.318	ng/ul#	93
19) Fluoranthene	19.05	202	15924	1.513	ng/ul#	95
20) Pyrene	19.41	202	15270	1.430	ng/ul	95
21) Benzo(a)anthracene	21.16	228	10077	1.012	ng/ul#	87
22) Chrysene	21.21	228	18355	1.782	ng/ul#	95
24) Benzo(b)fluoranthene	22.70	252	14737m	1.373	ng/ul	
25) Benzo(k)fluoranthene	22.74	252	4625m	0.417	ng/ul	
26) Benzo(a)pyrene	23.25	252	7737	0.823	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.48	276	4926	0.405	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.50	278	1837	0.188	ng/ul#	41
29) Benzo(g,h,i)perylene	26.14	276	4440	0.428	ng/ul#	89

JU 8/3/21

JU 8/3/21

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