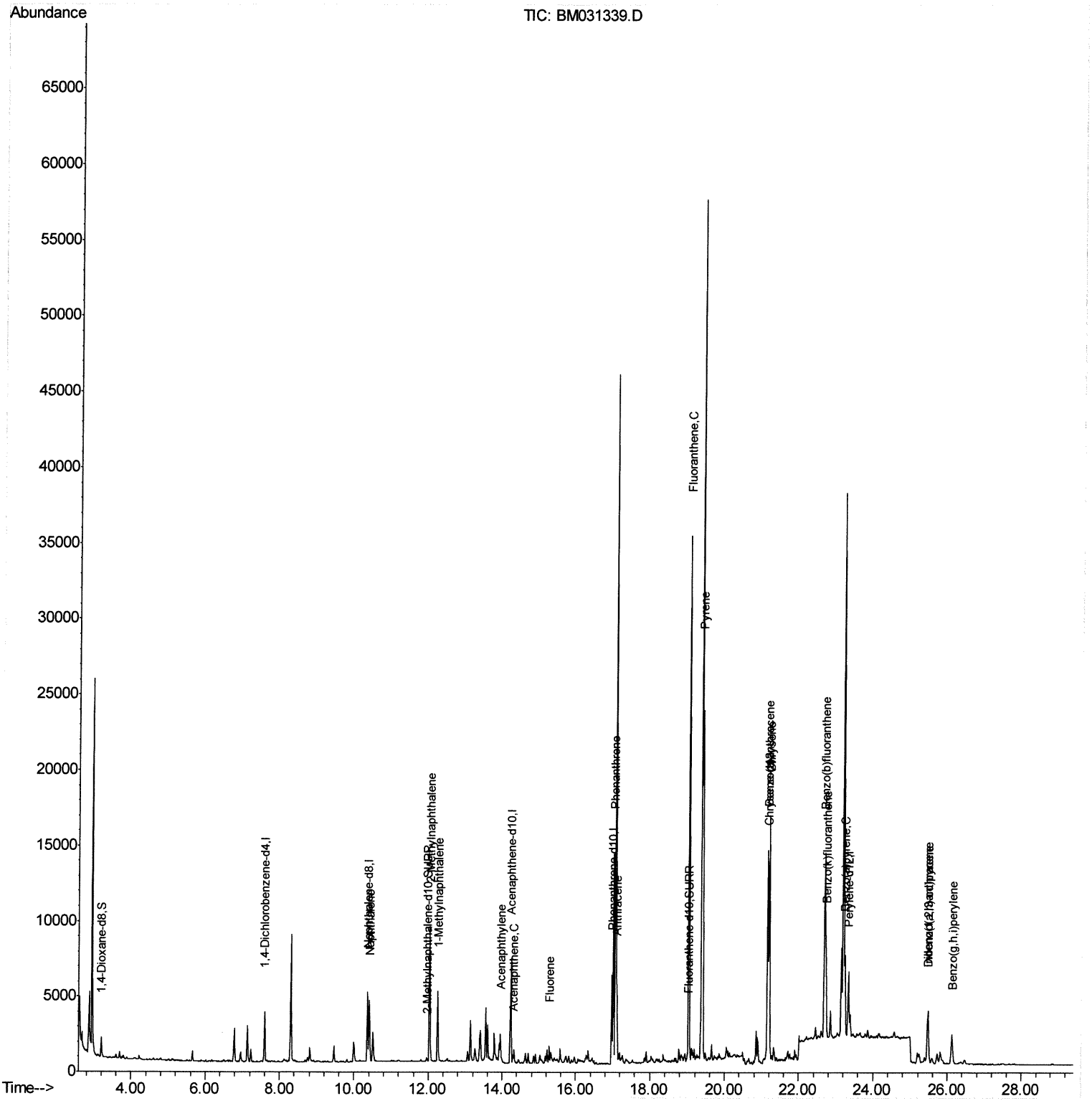
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 02 09:32:10 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 :
C0046DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:52 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 02 01:15:47 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 :
C0046DL

Manual Integrations APPROVED
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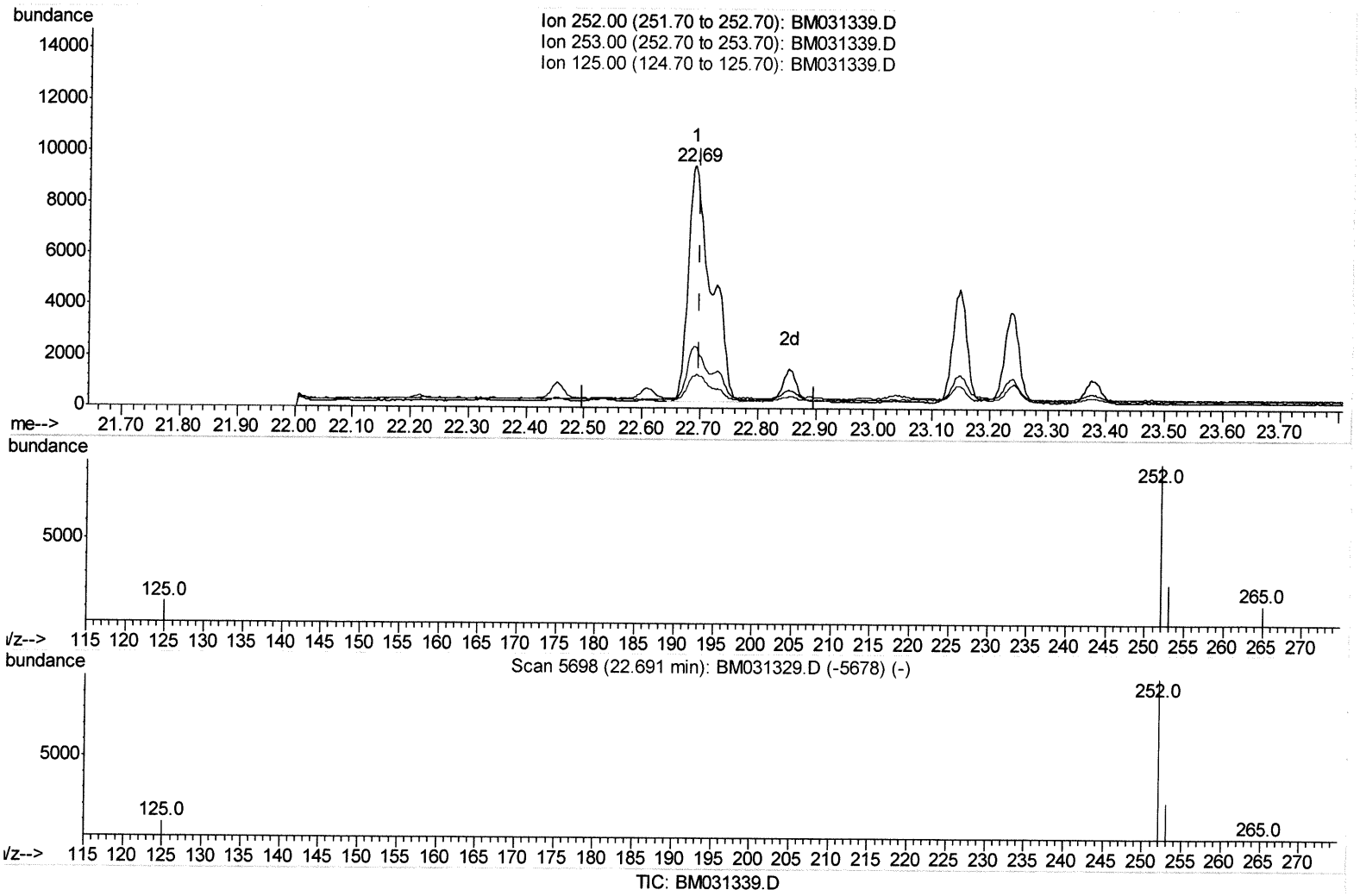


TIC: BM031339.D

(24) Benzo(b)fluoranthene

22.691min (-0.007) 1.12ng/ul

response 25946

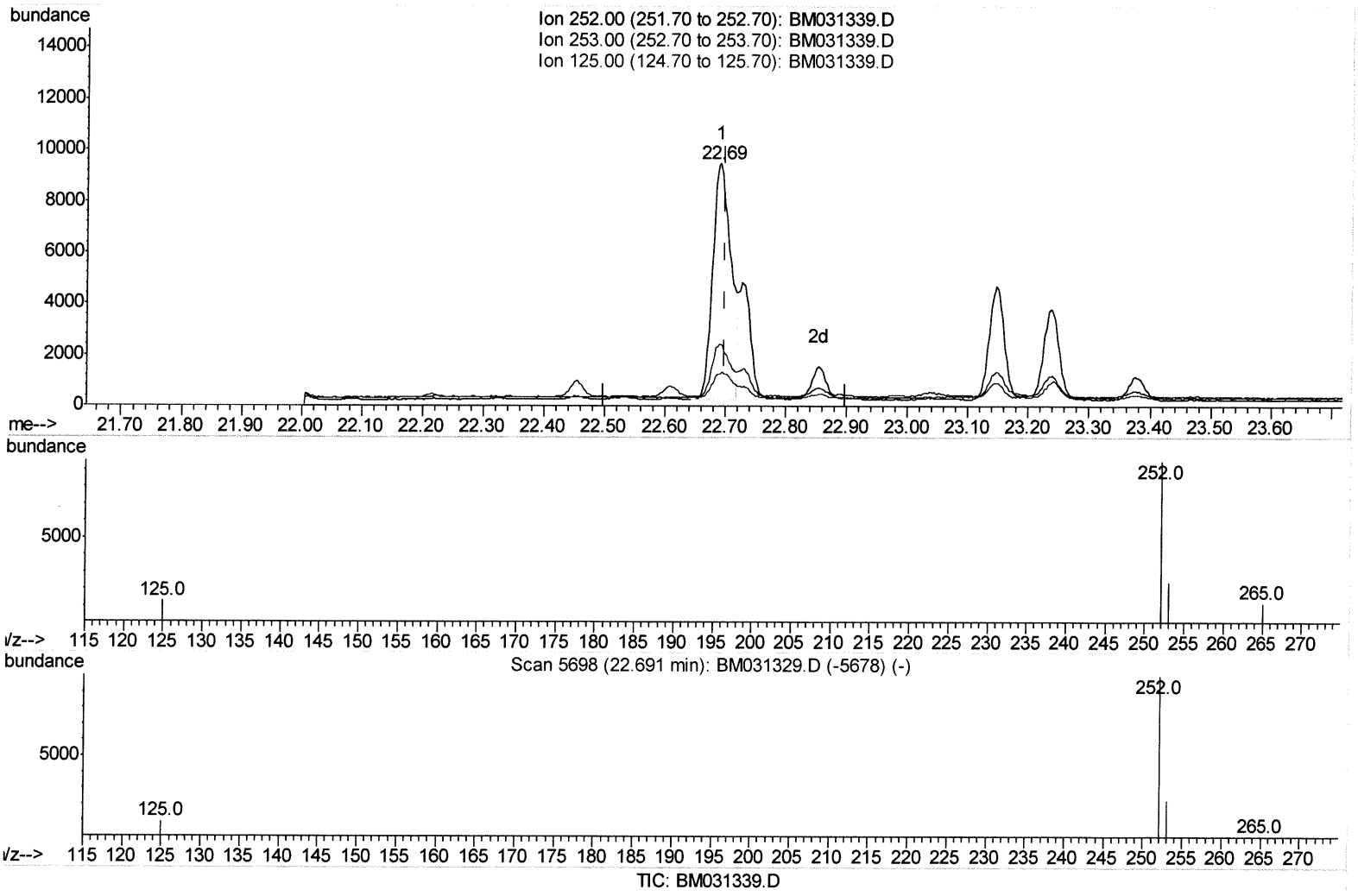
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	25.51
125.00	11.40	13.39
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 02 01:15:47 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 :
C0046DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:52 PM



TIC: BM031339.D

(24) Benzo(b)fluoranthene

22.691min (-0.007) 0.84ng/ul m JU 8/3/21

response 19334

Ion	Exp%	Act%
252.00	100	100
253.00	26.50	25.51
125.00	11.40	13.39
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 02 04:47:53 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 :
C0046DL

Manual Integrations APPROVED
mohammad
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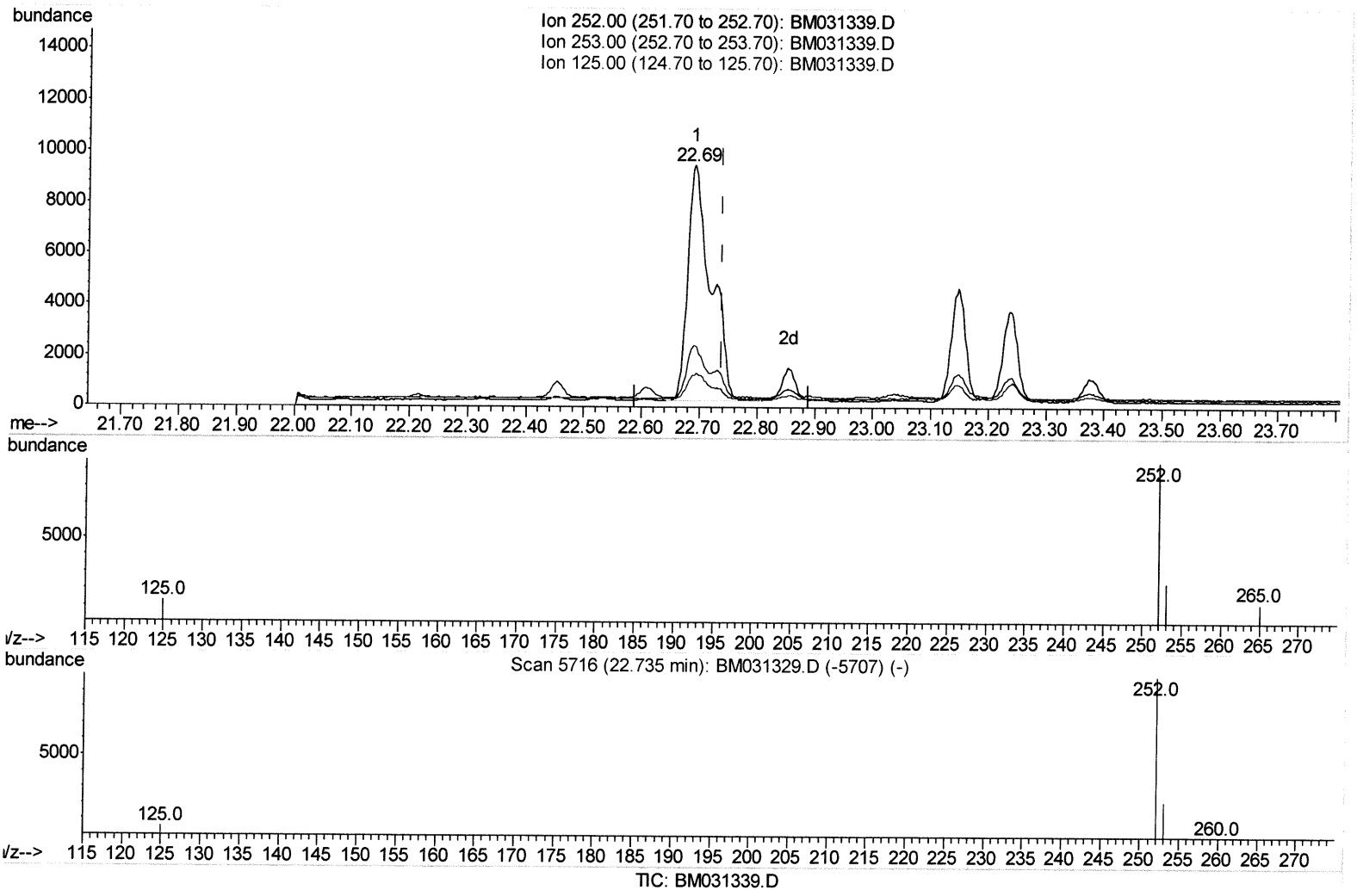

TIC: BM031339.D

(25) Benzo(k)fluoranthene

22.691min (-0.048) 1.09ng/ul

response 25946

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	25.51
125.00	11.00	13.39#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 02 04:47:53 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 :
C0046DL

Manual Integrations APPROVED
mohammad
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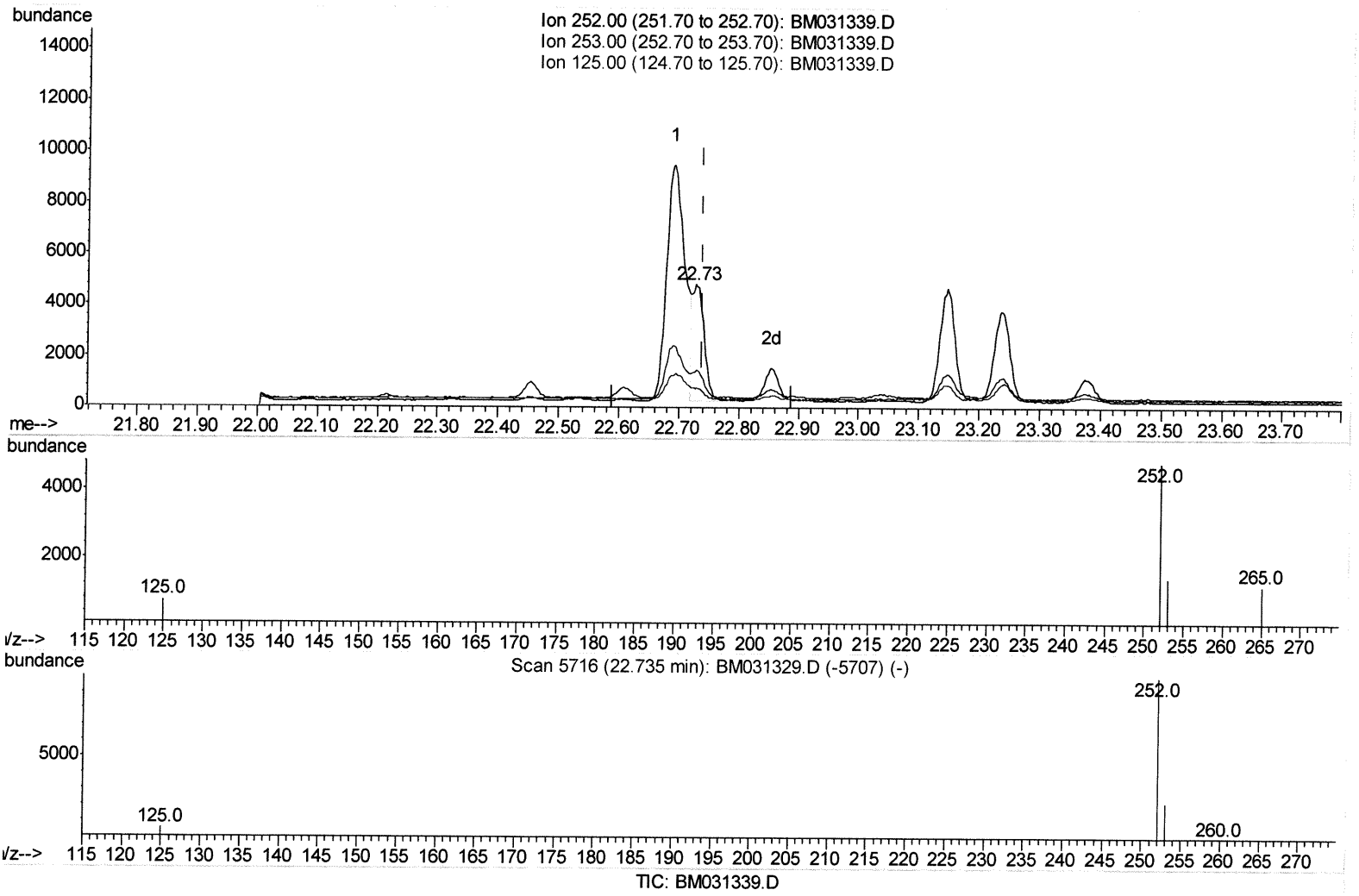


(25) Benzo(k)fluoranthene

22.728min (-0.012) 0.28ng/ul m JC 8/3/21

response 6632

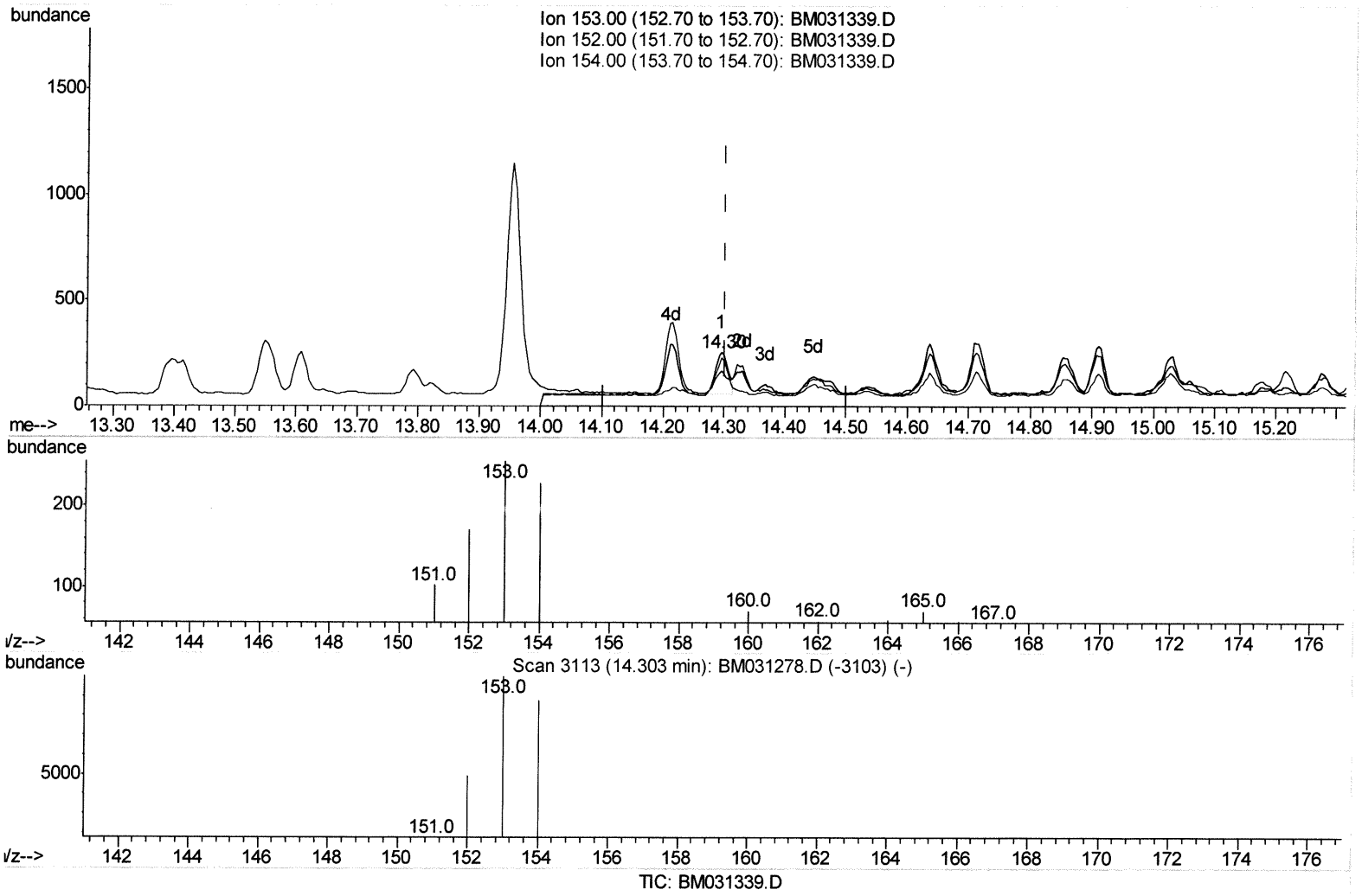
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	29.27
125.00	11.00	15.31#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 02 04:48:40 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 :
C0046DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:52 PM



TIC: BM031339.D

(11) Acenaphthene (C)

14.296min (-0.007) 0.02ng/ul

response 293

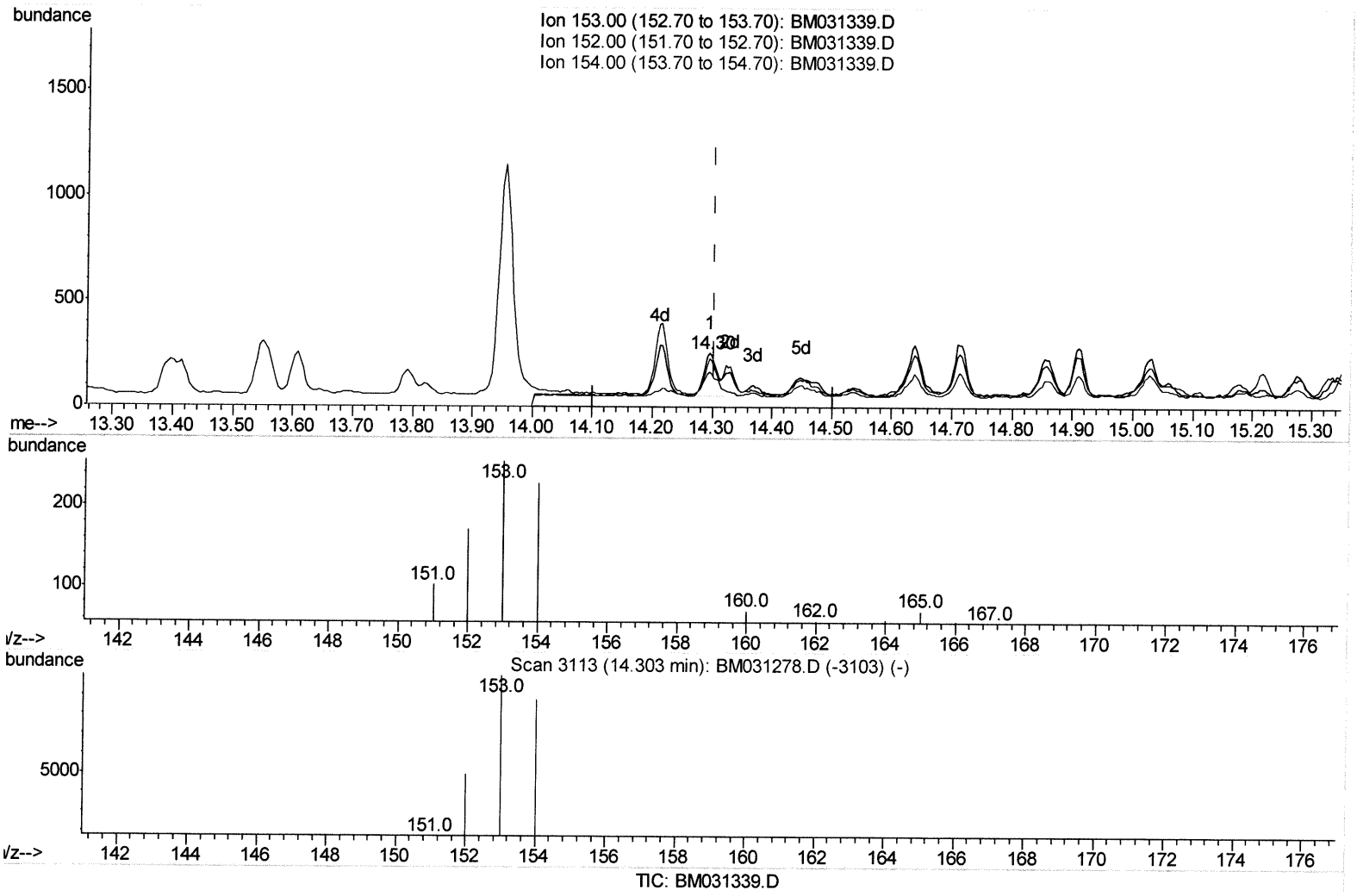
Ion	Exp%	Act%
153.00	100	100
152.00	50.90	66.67#
154.00	87.70	89.41
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Aug 02 04:48:40 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 :
C0046DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:52 PM



(11) Acenaphthene (C)

14.296min (-0.007) 0.03ng/ul m

JU 8/3/21

response 445

Ion	Exp%	Act%
153.00	100	100
152.00	50.90	66.67#
154.00	87.70	89.41
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031339.D
Acq On : 01 Aug 2021 08:17
Operator : CG/JU
Sample : M3091-08DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0046DL

Manual Integrations APPROVED
mohammad
8/2/2021 3:42:52 PM

Quant Time: Aug 02 09:32:10 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	1613	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	6116	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.24	164	3677	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.98	188	6994	0.40	ng/ul	0.00
17) Chrysene-d12	21.17	240	5384	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	5121	0.40	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	842	0.47	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.96	152	324	0.03	ng/ul	0.00
18) Fluoranthene-d10	19.01	212	628	0.03	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.41	128	5498	0.302	ng/ul	98
7) 2-Methylnaphthalene	12.03	142	6249	0.502	ng/ul	100
8) 1-Methylnaphthalene	12.25	142	3146	0.256	ng/ul	99
10) Acenaphthylene	13.95	152	1785	0.114	ng/ul	94
11) Acenaphthene	14.30	153	445m	0.034	ng/ul	98
12) Fluorene	15.29	166	511	0.034	ng/ul#	81
15) Phenanthrene	17.02	178	14555	0.655	ng/ul	98
16) Anthracene	17.11	178	5286	0.254	ng/ul	99
19) Fluoranthene	19.04	202	30160	1.312	ng/ul	97
20) Pyrene	19.41	202	21841	0.937	ng/ul	97
21) Benzo(a)anthracene	21.15	228	10726	0.493	ng/ul	95
22) Chrysene	21.21	228	16640	0.740	ng/ul	97
24) Benzo(b)fluoranthene	22.69	252	19334m	0.838	ng/ul	98
25) Benzo(k)fluoranthene	22.73	252	6632m	0.278	ng/ul	98
26) Benzo(a)pyrene	23.24	252	6381	0.316	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.47	276	5308	0.203	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.48	278	1620	0.077	ng/ul#	60
29) Benzo(g,h,i)perylene	26.12	276	4021	0.180	ng/ul#	90

JU 8/3/21

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