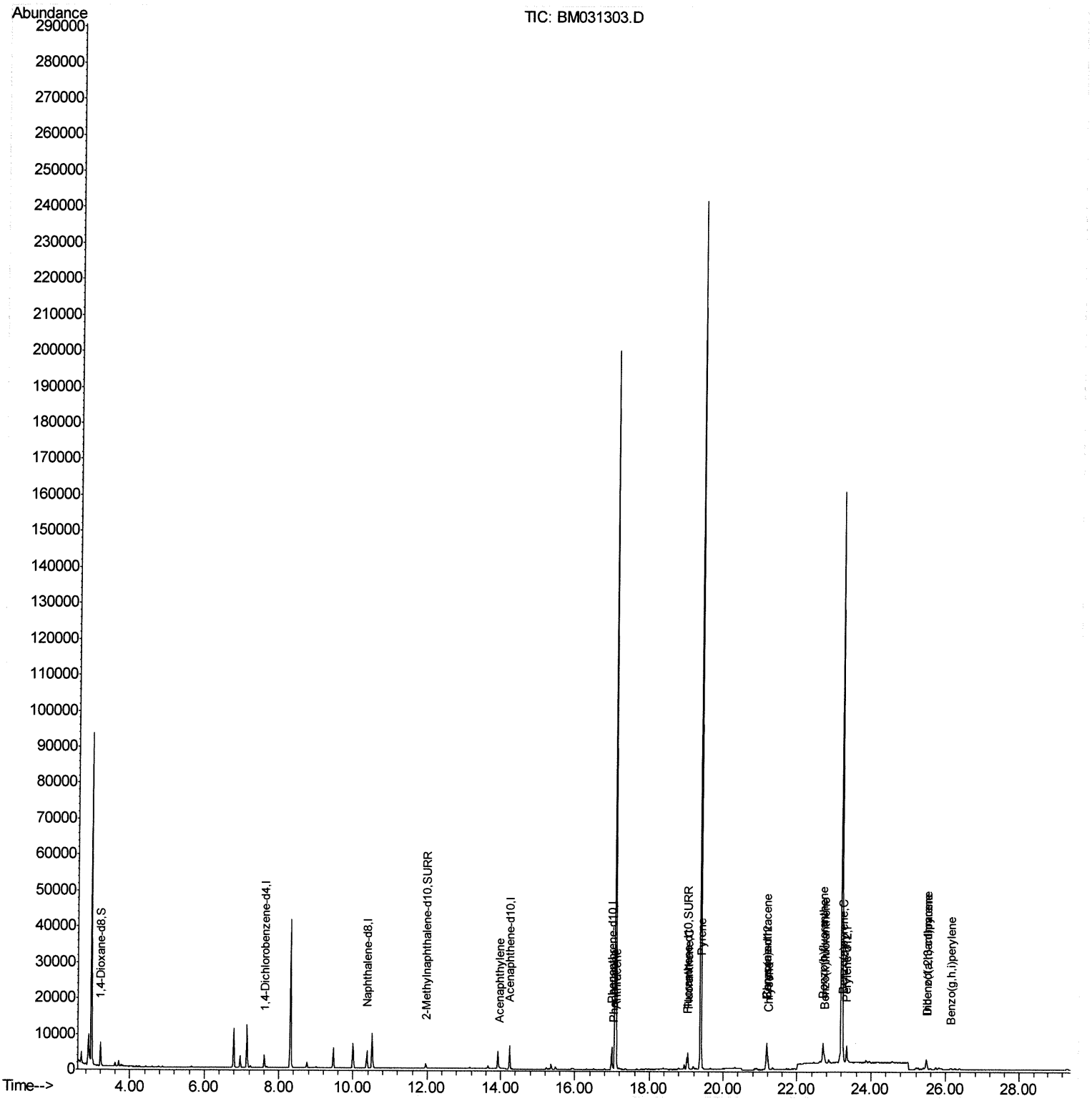
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Aug 02 01:30:12 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 :
BGD12

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:07 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Aug 02 01:06:48 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 :
BGD12

Manual Integrations APPROVED
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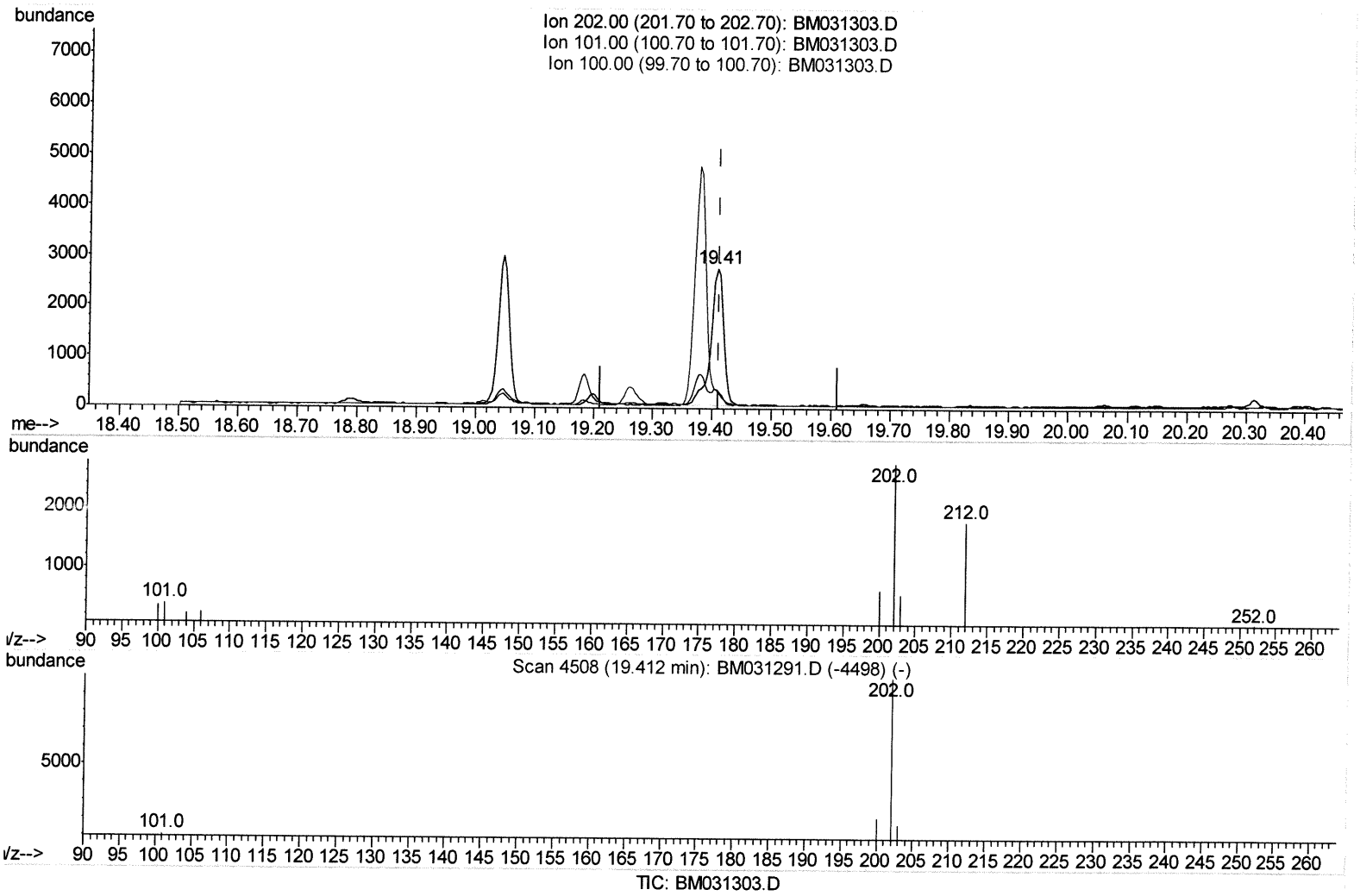

TIC: BM031303.D

(20) Pyrene

19.409min (-0.003) 0.16ng/ul

response 3934

Ion	Exp%	Act%
202.00	100	100
101.00	9.70	13.66#
100.00	8.30	12.47#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Aug 02 01:06:48 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 :
BGD12

Manual Integrations APPROVED
mohammad
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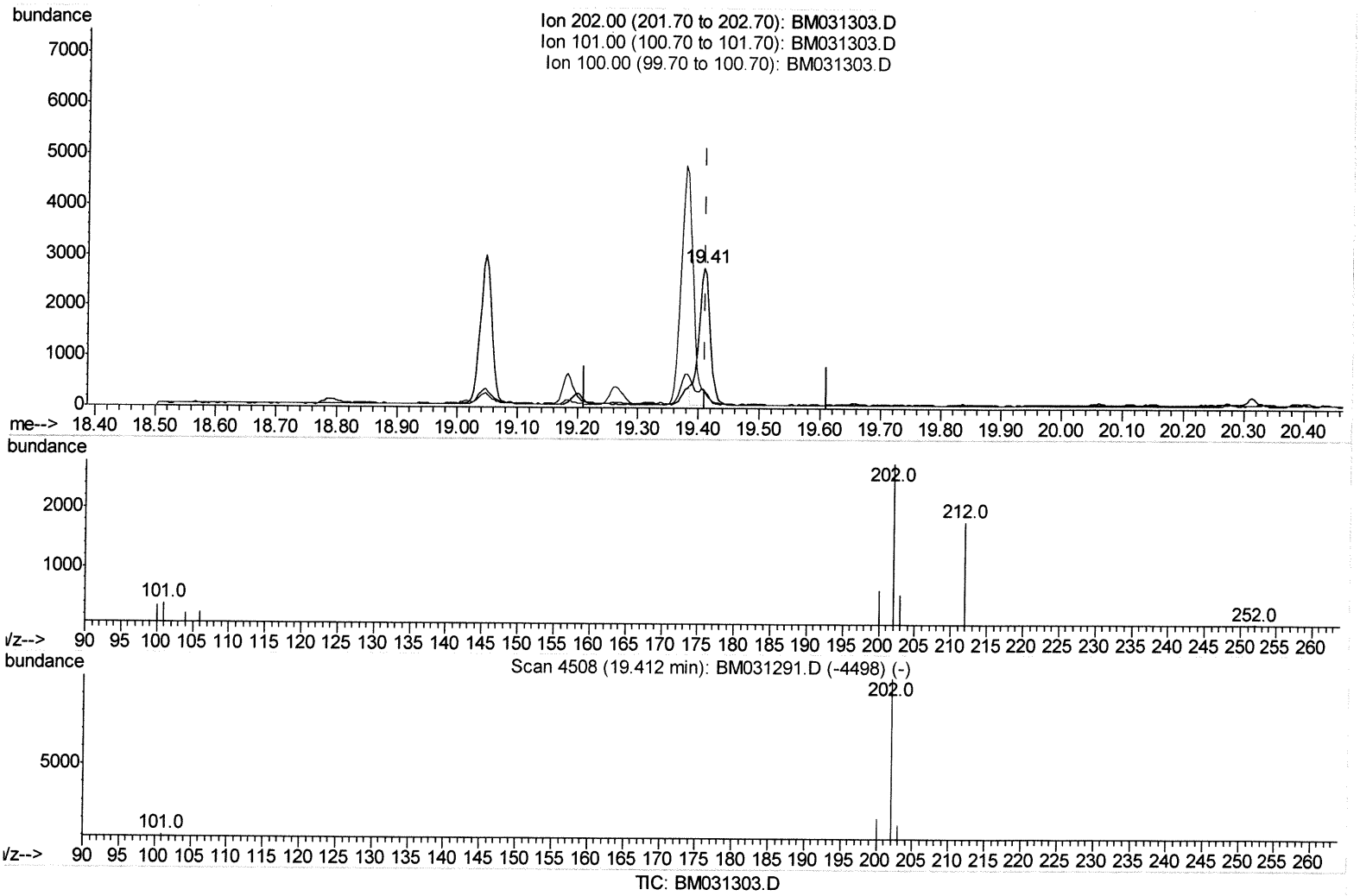

(20) Pyrene

19.409min (-0.003) 0.15ng/ul m

response 3639

JU 8/3/21

Ion	Exp%	Act%
202.00	100	100
101.00	9.70	13.66#
100.00	8.30	12.47#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Aug 02 01:28:45 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 :
BGD12

Manual Integrations APPROVED
mohammad
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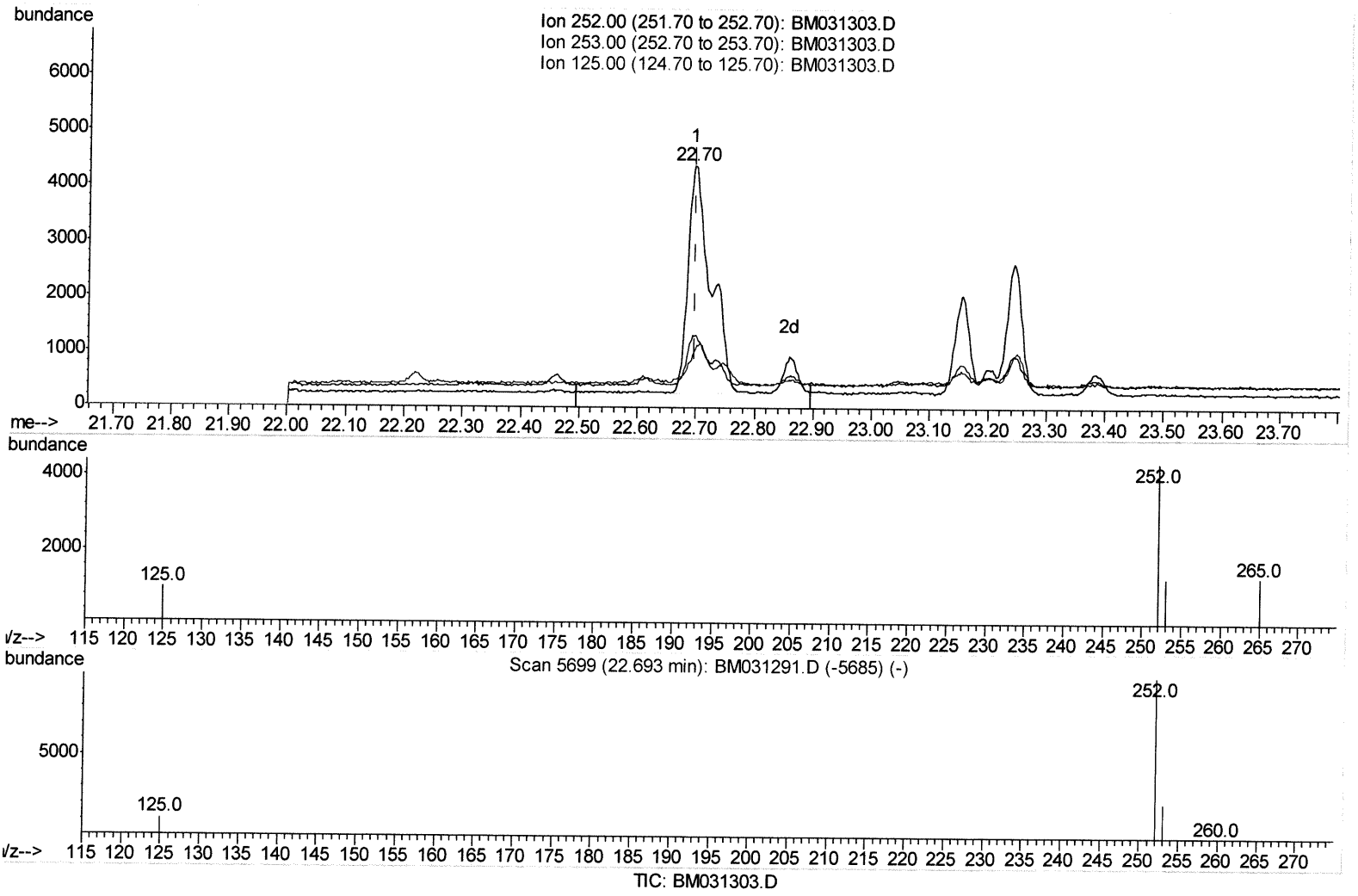


TIC: BM031303.D

(24) Benzo(b)fluoranthene

22.696min (-0.002) 0.43ng/ul

response 11248

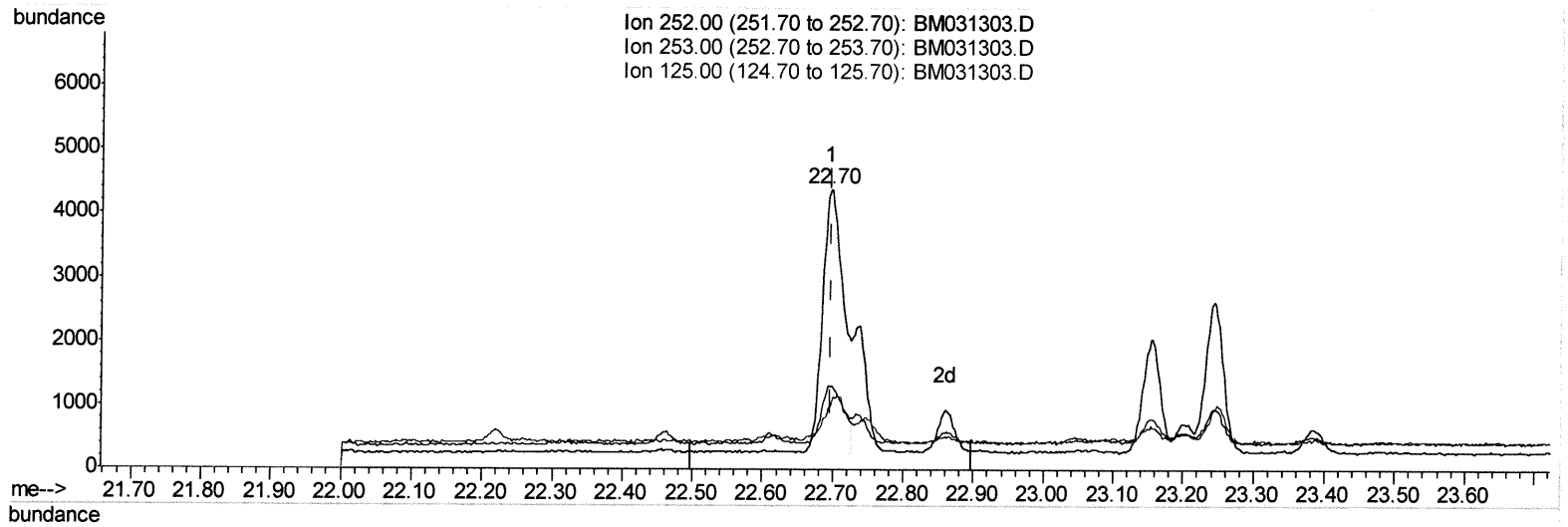
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	29.73
125.00	11.40	22.62
0.00	0.00	0.00

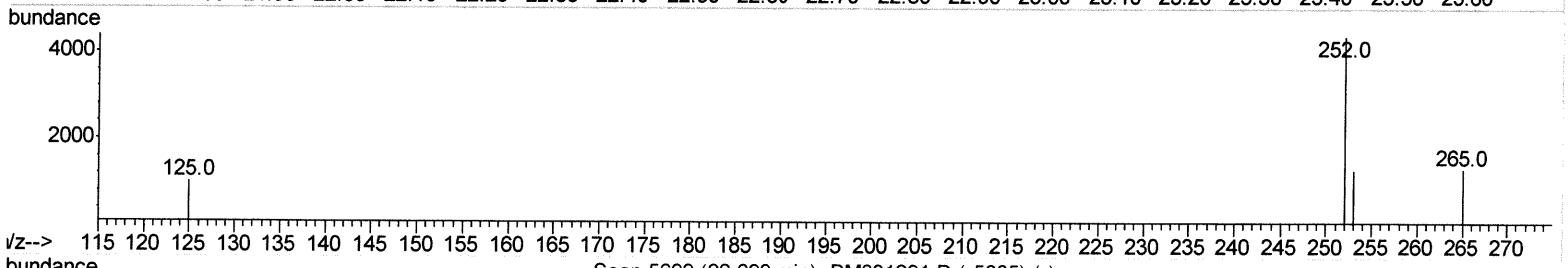
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

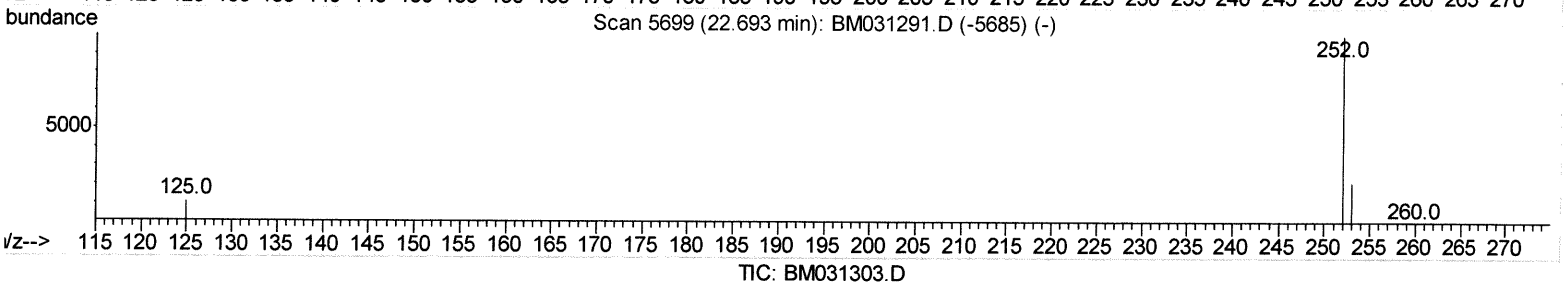
Quant Time: Aug 02 01:28:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD12

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:07 PM







TIC: BM031303.D

(24) Benzo(b)fluoranthene

22.696min (-0.002) 0.33ng/ul m JU 8/2/21

response 8539

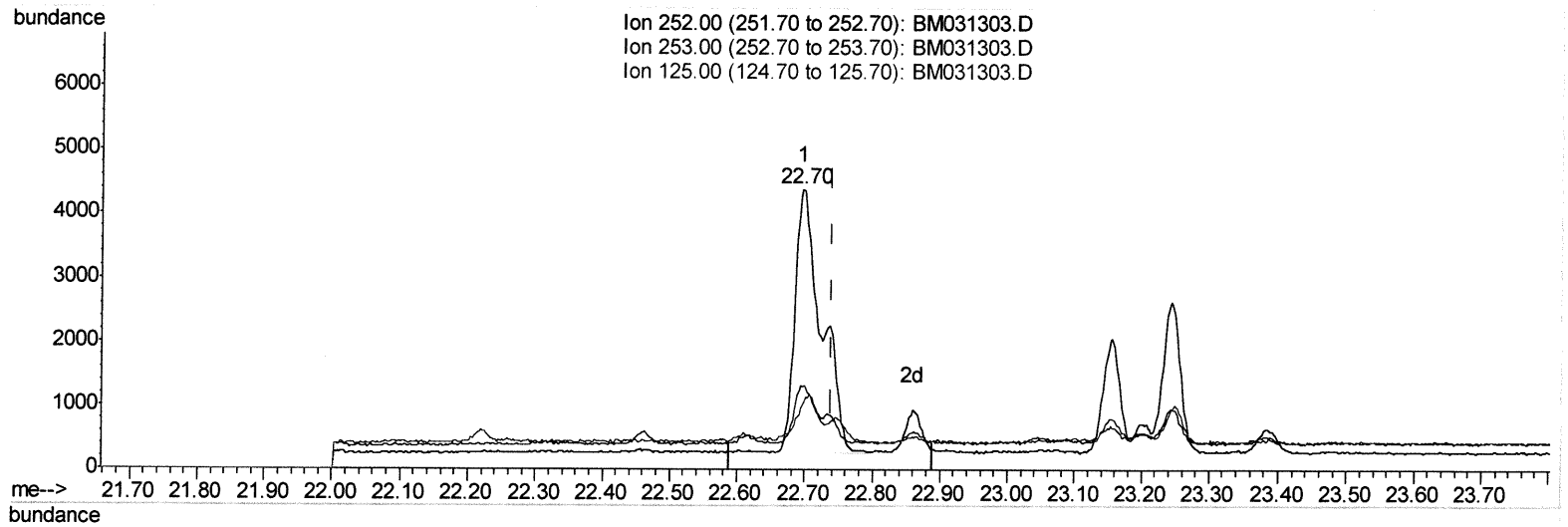
Ion	Exp%	Act%
252.00	100	100
253.00	26.50	29.73
125.00	11.40	22.62
0.00	0.00	0.00

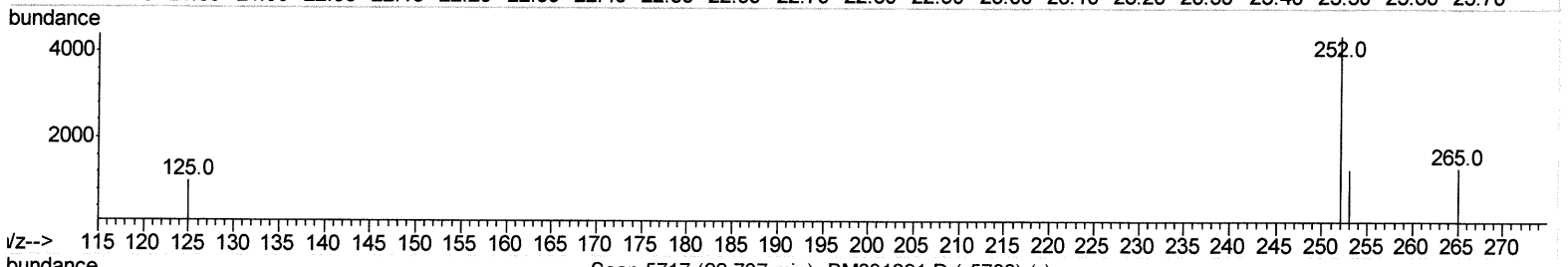
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

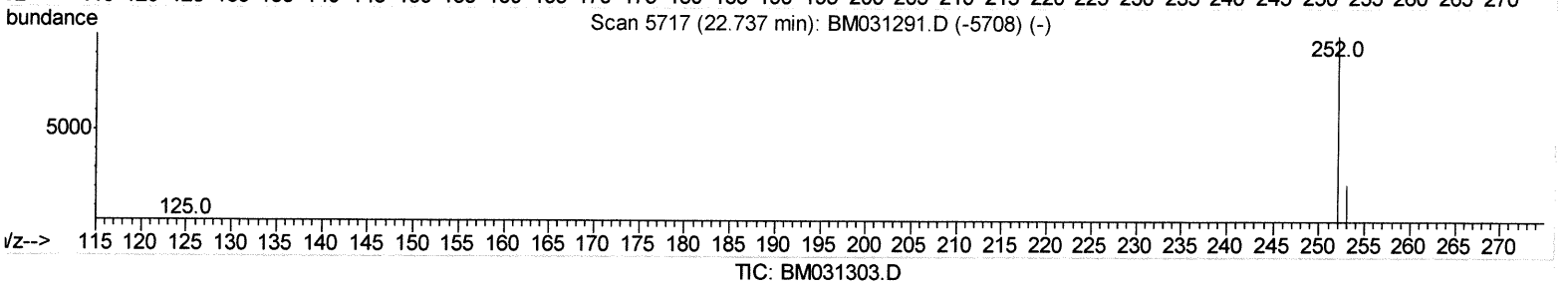
Quant Time: Aug 02 01:29:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD12

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:07 PM







TIC: BM031303.D

(25) Benzo(k)fluoranthene

22.696min (-0.043) 0.41ng/ul

response 11248

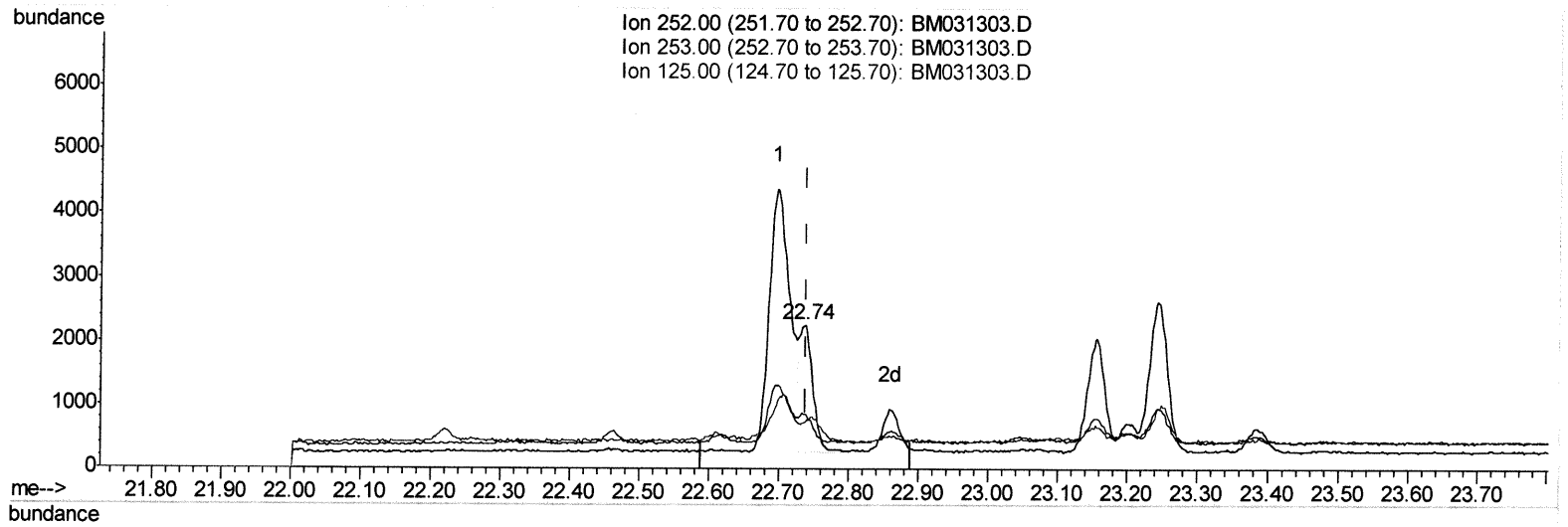
Ion	Exp%	Act%
252.00	100	100
253.00	26.60	29.73
125.00	11.00	22.62#
0.00	0.00	0.00

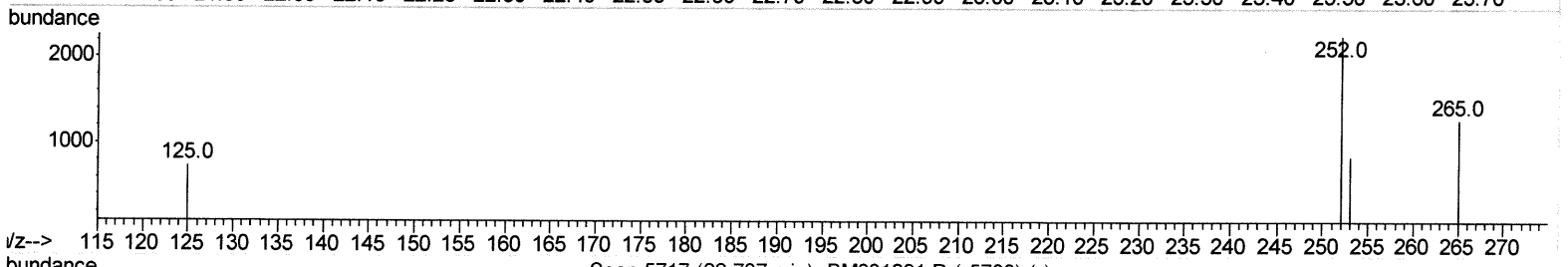
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

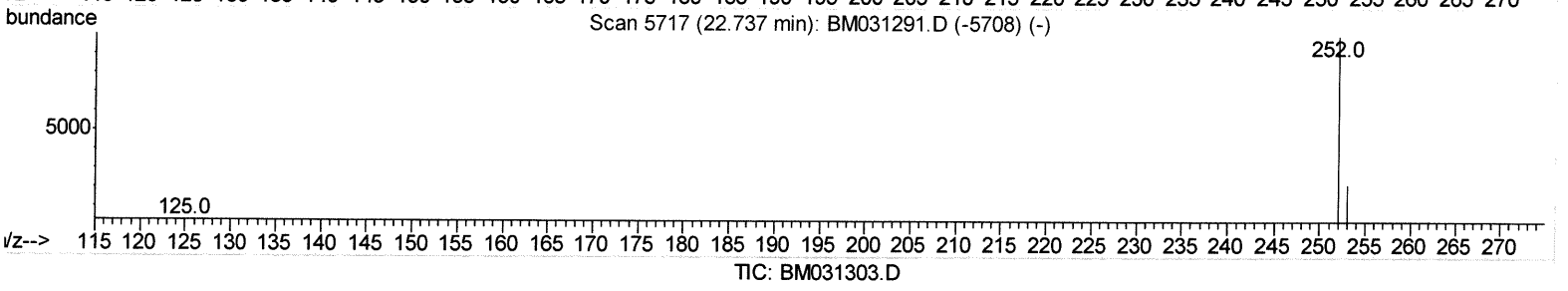
Quant Time: Aug 02 01:29:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGD12

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:07 PM







TIC: BM031303.D

(25) Benzo(k)fluoranthene

22.738min (-0.002) 0.10ng/ul m JE 8/31/21

response 2815

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	37.78#
125.00	11.00	32.42#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031303.D
Acq On : 31 Jul 2021 08:58
Operator : CG/JU
Sample : M3106-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGD12

Manual Integrations APPROVED
mohammad
8/2/2021 3:41:07 PM

Quant Time: Aug 02 01:30:12 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	1705	0.40	ng/ul	0.00
4) Naphthalene-d8	10.37	136	6283	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.24	164	3665	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.99	188	7134	0.40	ng/ul	0.00
17) Chrysene-d12	21.18	240	5747	0.40	ng/ul	0.00
23) Perylene-d12	23.34	264	5828	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	4184	2.21	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.97	152	1738	0.16	ng/ul	0.00
18) Fluoranthene-d10	19.02	212	3600	0.19	ng/ul	0.00
Target Compounds						Qvalue
10) Acenaphthylene	13.96	152	637	0.041	ng/ul#	81
15) Phenanthrene	17.03	178	965	0.043	ng/ul#	89
16) Anthracene	17.12	178	620	0.029	ng/ul#	75
19) Fluoranthene	19.05	202	3963	0.161	ng/ul#	91
20) Pyrene	19.41	202	3639m	0.146	ng/ul	JU 8/3/21
21) Benzo(a)anthracene	21.16	228	3420	0.147	ng/ul#	91
22) Chrysene	21.21	228	4090	0.170	ng/ul	95
24) Benzo(b)fluoranthene	22.70	252	8539m	0.325	ng/ul	JU 8/3/21
25) Benzo(k)fluoranthene	22.74	252	2815m	0.104	ng/ul	
26) Benzo(a)pyrene	23.24	252	4241	0.184	ng/ul#	72
27) Indeno(1,2,3-cd)pyrene	25.48	276	4383	0.147	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.49	278	1154	0.048	ng/ul#	30
29) Benzo(g,h,i)perylene	26.14	276	568	0.022	ng/ul#	32

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