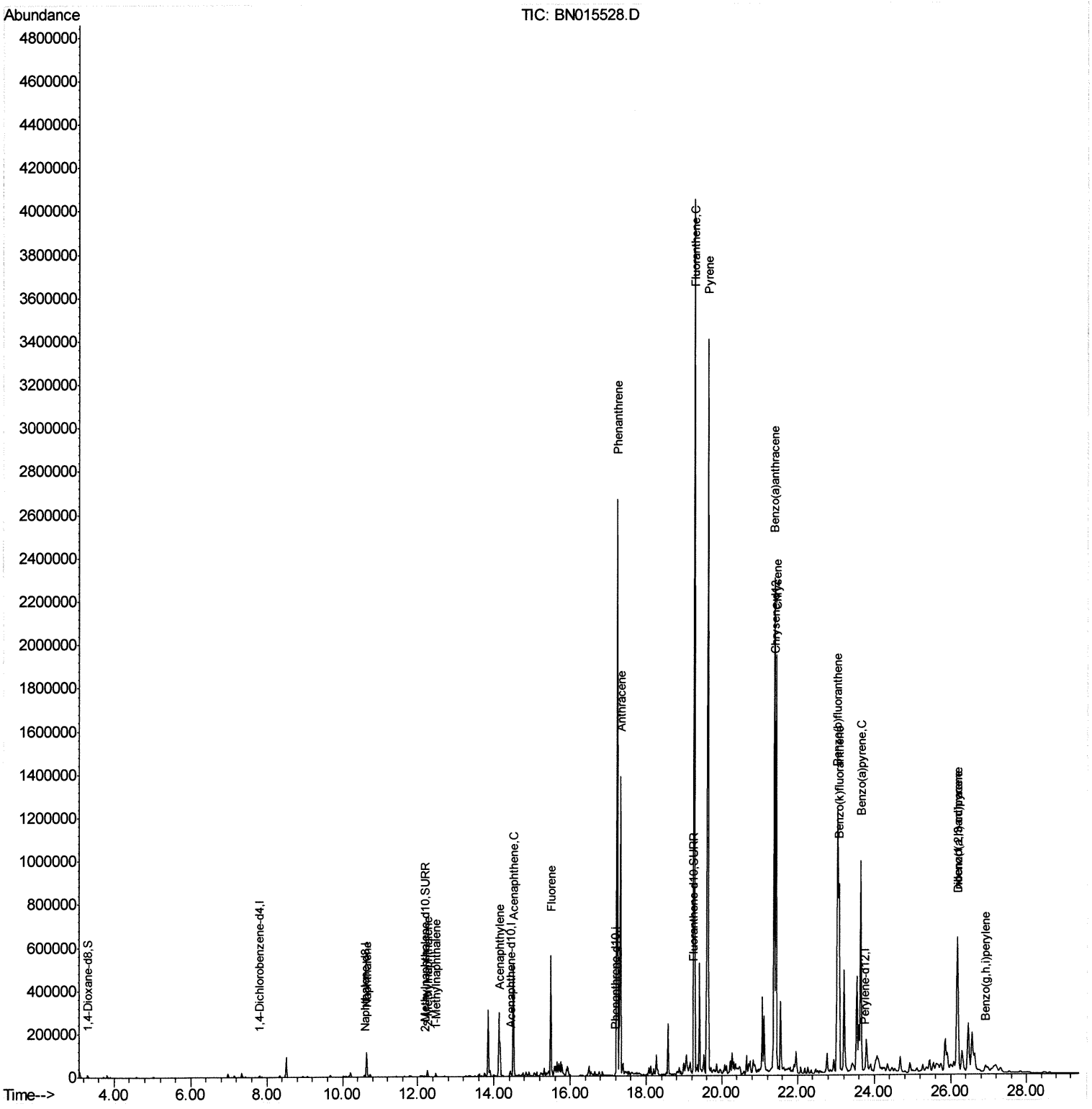
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 15:22:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM

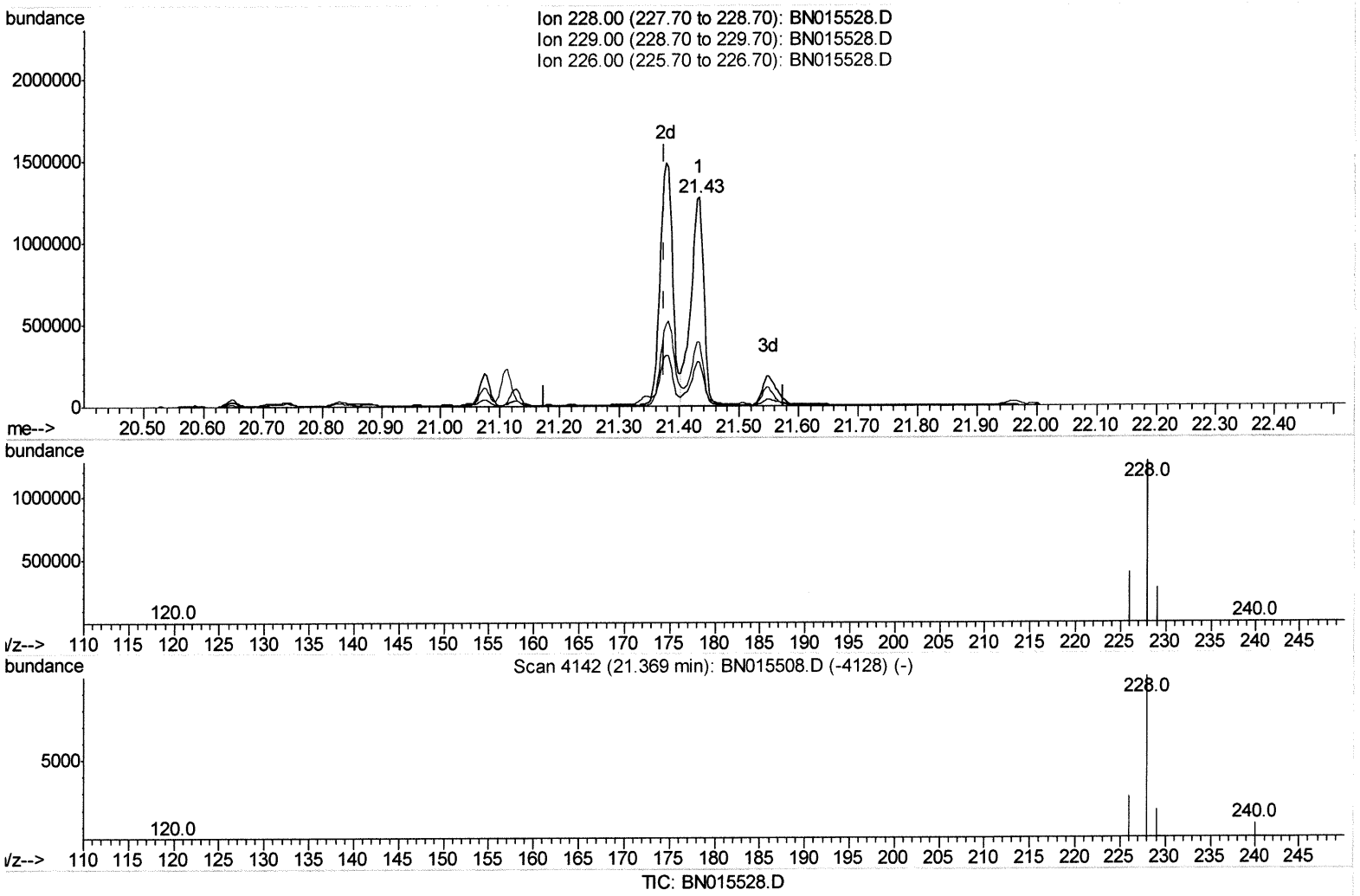


Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 15:20:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM



TIC: BN015528.D

(21) Benzo(a)anthracene

21.433min (+0.058) 64.08ng/ul

response 1917844

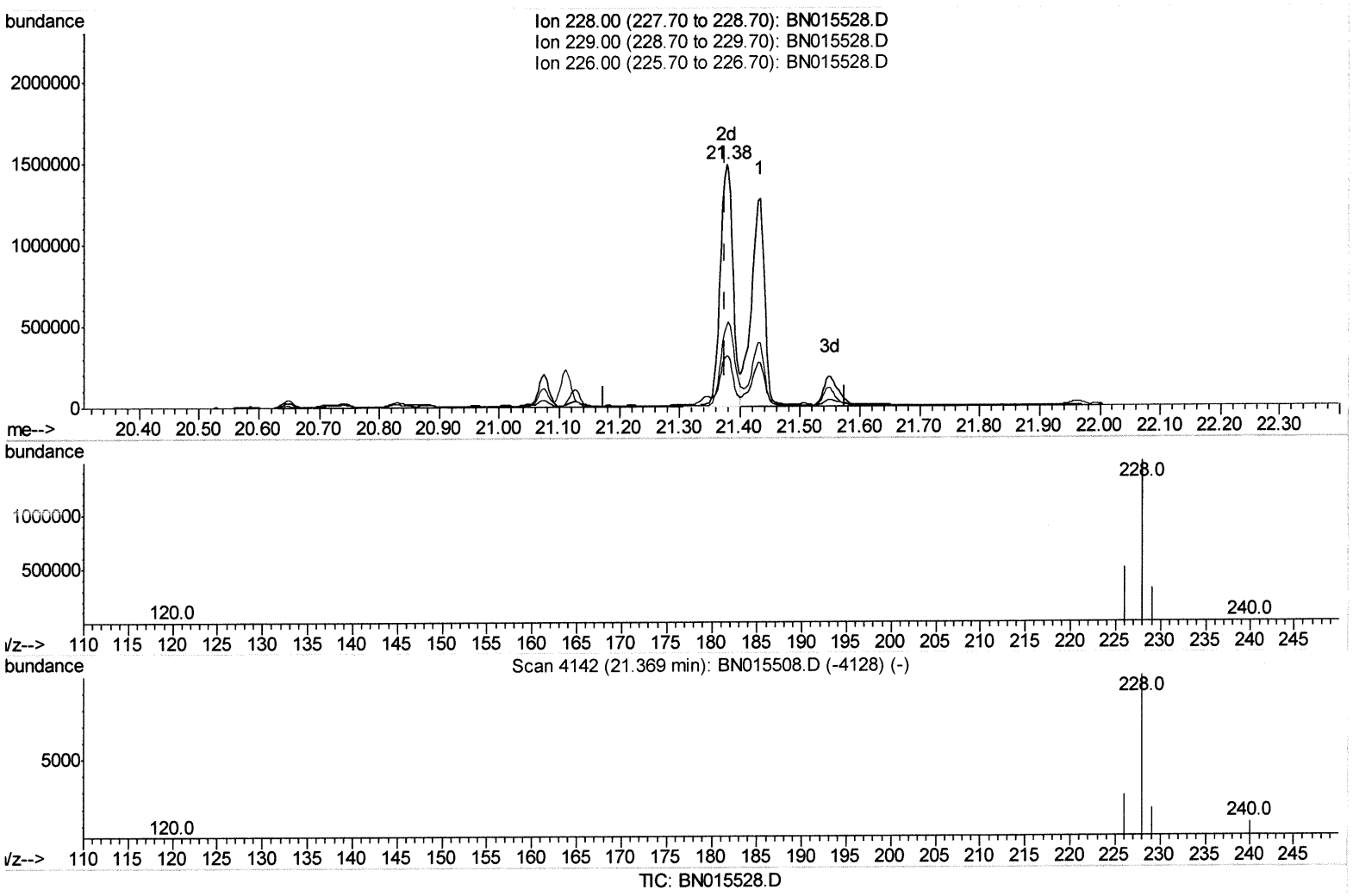
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	21.19
226.00	27.30	30.98
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 15:20:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM



TIC: BN015528.D

(21) Benzo(a)anthracene

21.377min (+0.002) 74.27ng/ul m

response 2222856

7/13/21

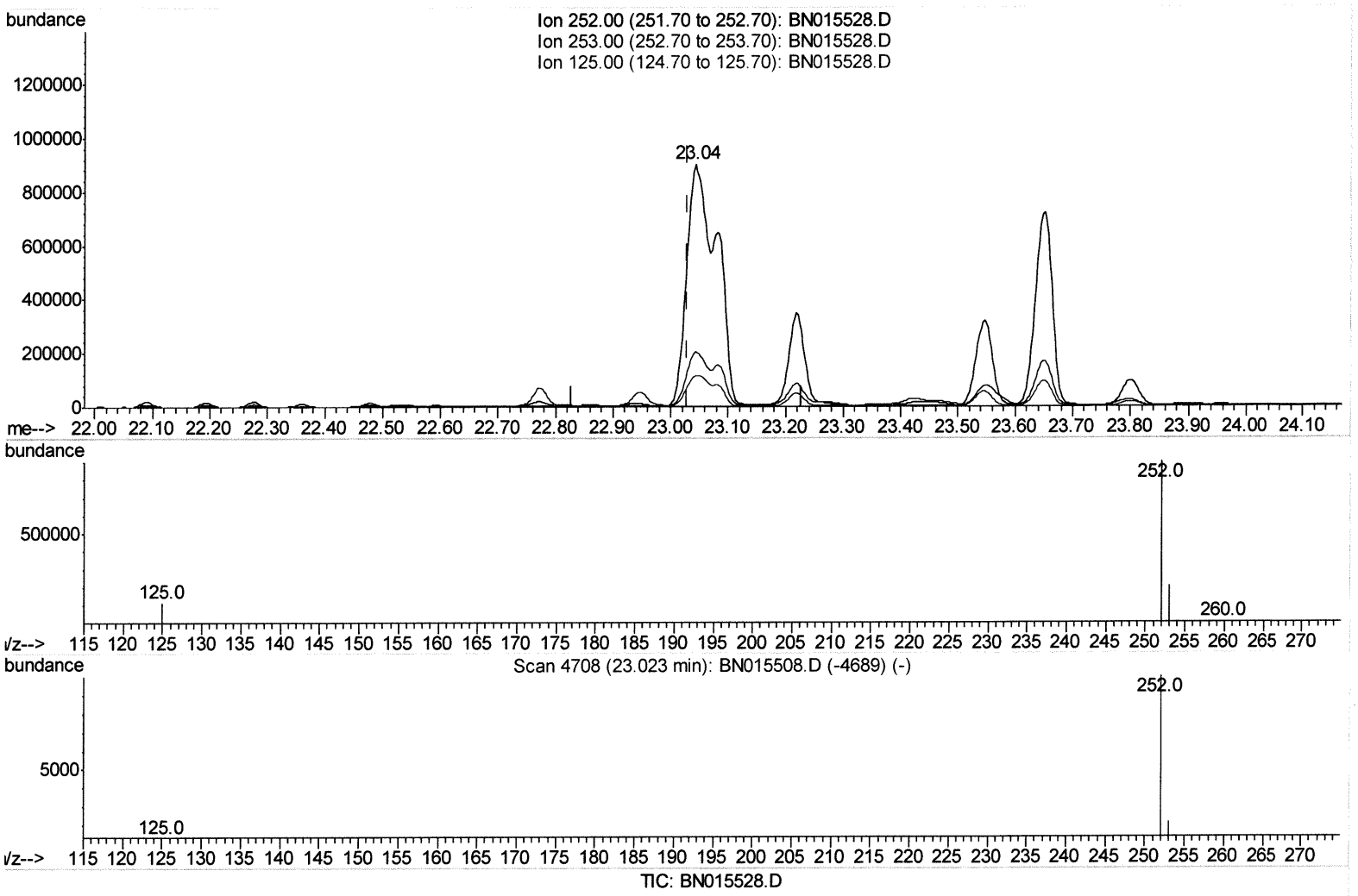
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	20.86
226.00	27.30	33.62#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 15:20:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM



TIC: BN015528.D

(24) Benzo(b)fluoranthene

23.043min (+0.014) 52.45ng/ul

response 3244355

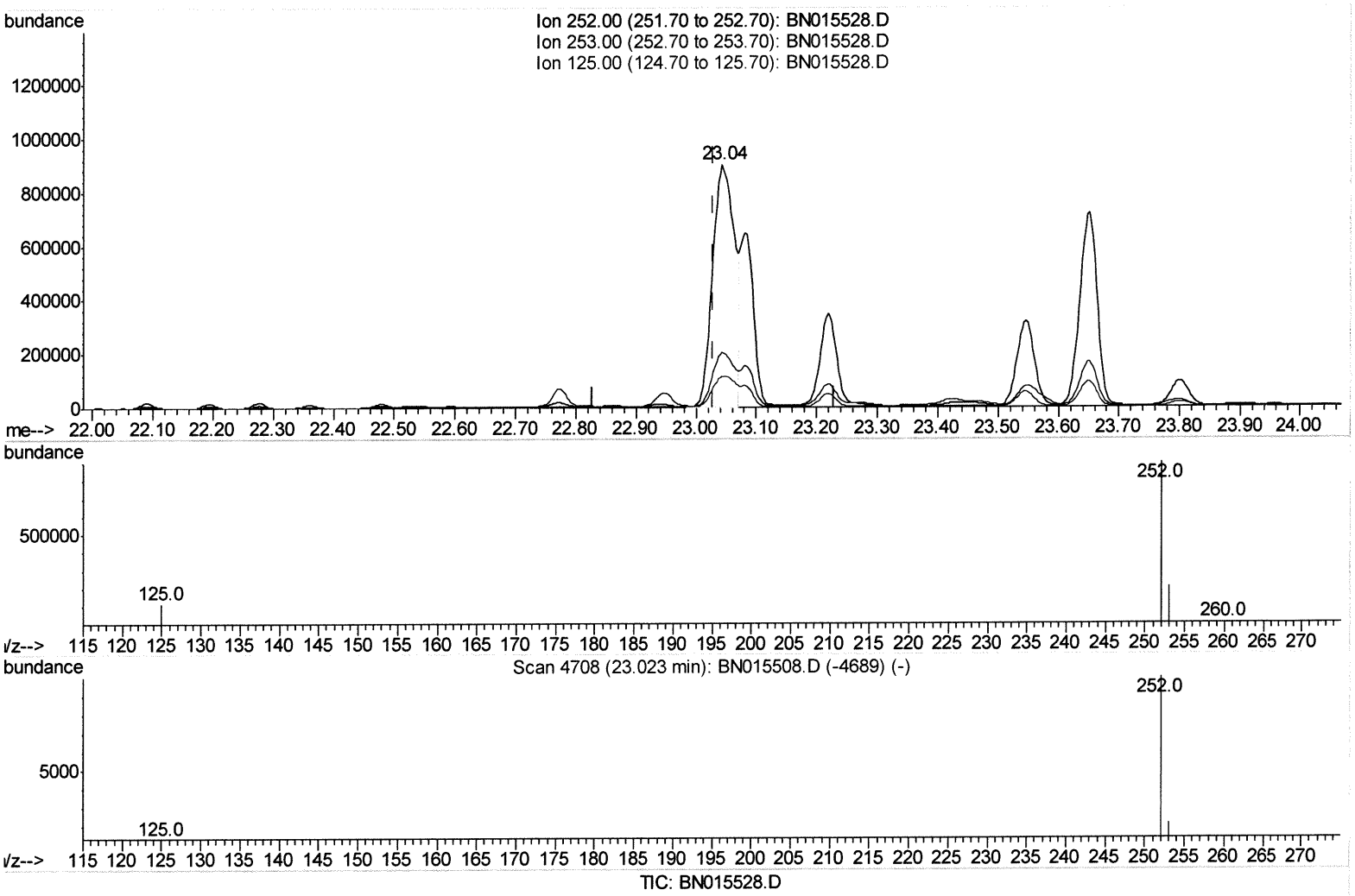
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.60
125.00	14.20	12.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 15:20:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM



(24) Benzo(b)fluoranthene

23.043min (+0.014) 36.23ng/ul m JG 7/15/21

response 2241393

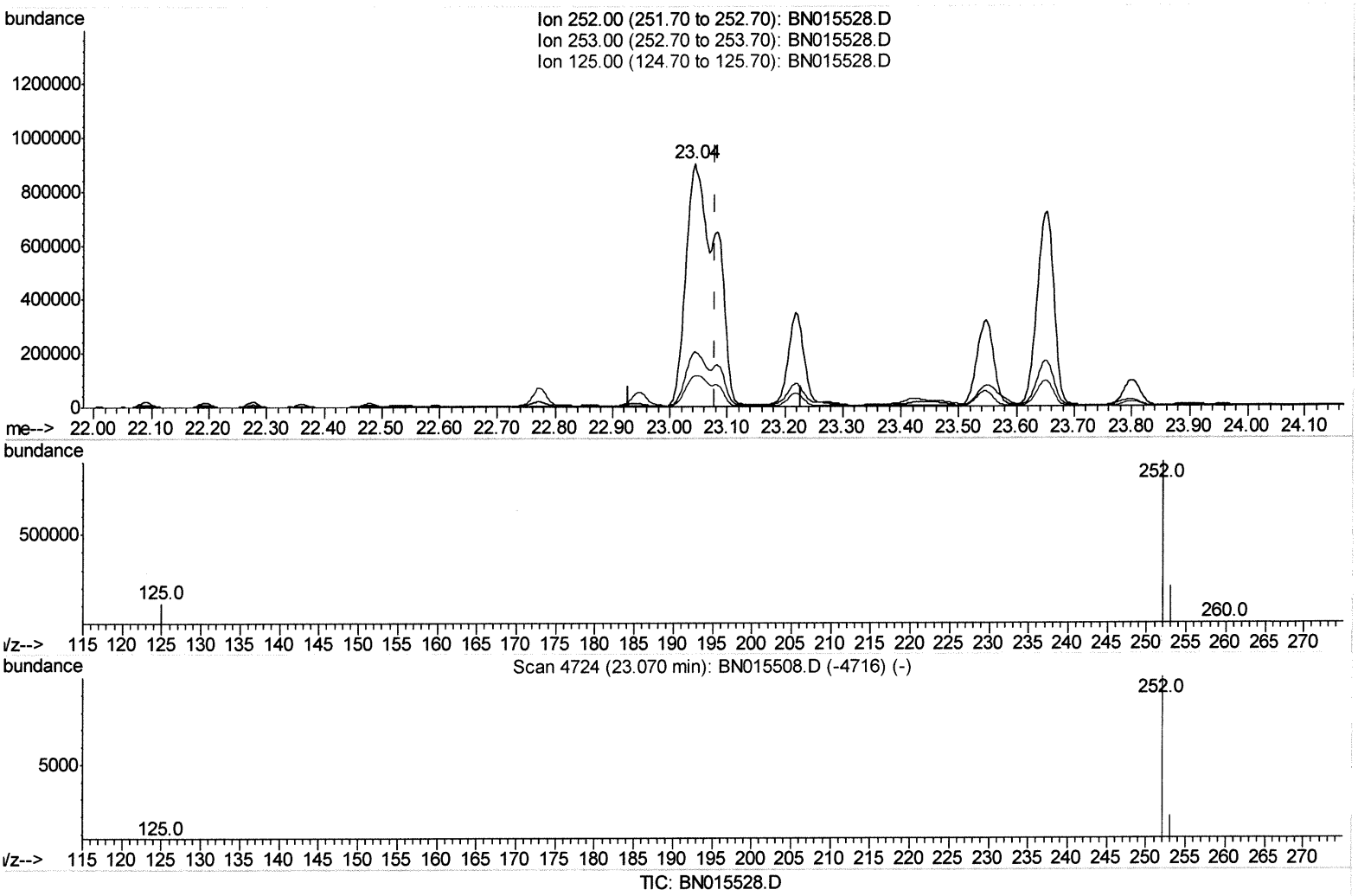
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.60
125.00	14.20	12.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 15:20:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM



TIC: BN015528.D

(25) Benzo(k)fluoranthene

23.043min (-0.036) 46.47ng/ul

response 3244355

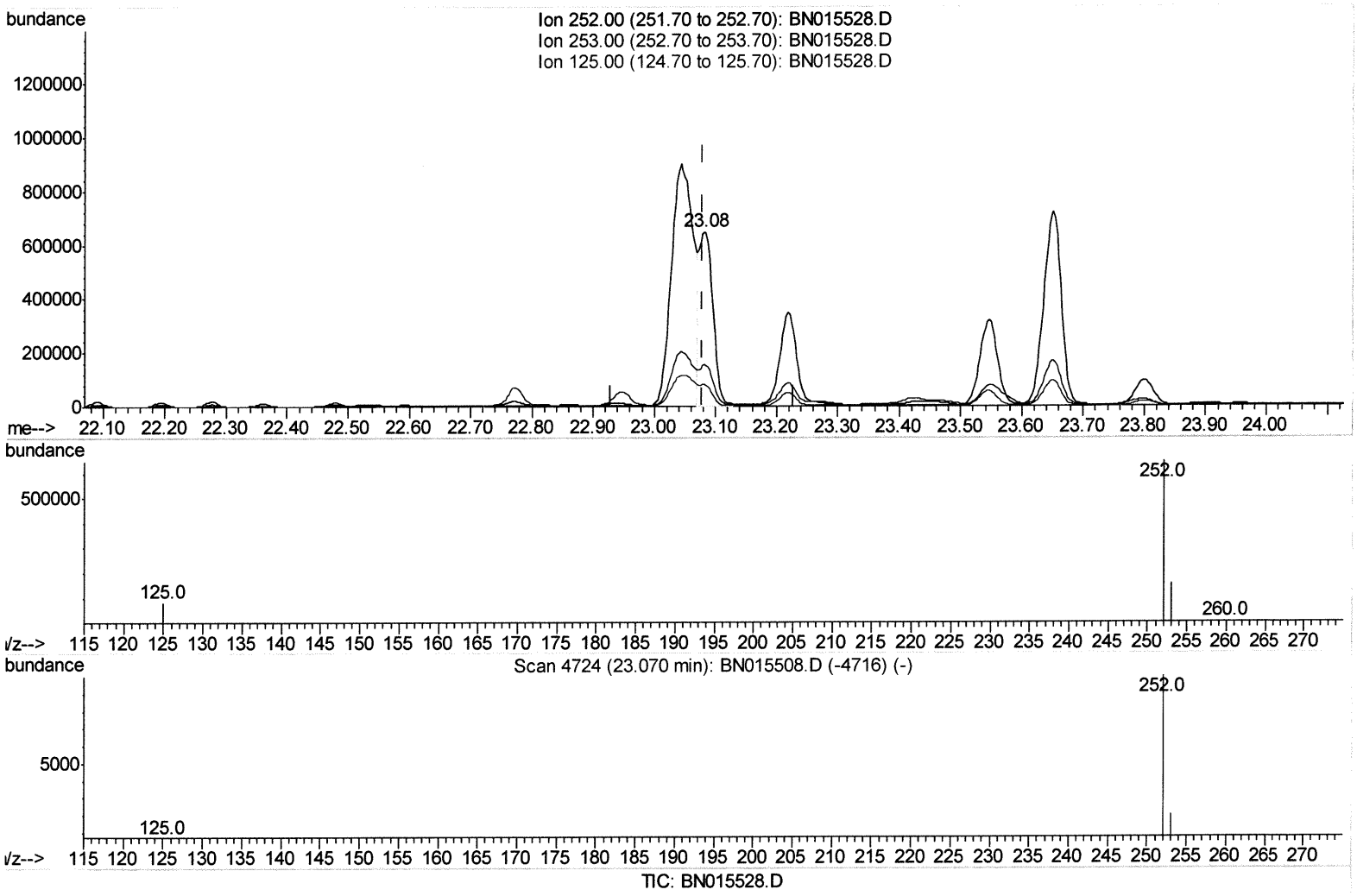
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.60
125.00	14.40	12.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 15:20:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM



TIC: BN015528.D

(25) Benzo(k)fluoranthene

23.081min (+0.002) 14.64ng/ul m

JG 7/15/21

response 1022003

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	23.88
125.00	14.40	12.47
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015528.D
Acq On : 13 Jul 2021 14:51
Operator : CG/JU
Sample : M2869-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BGDX4

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:43 PM

Quant Time: Jul 13 15:22:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 11:02:52 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	3058	0.40	ng/ul	0.00
4) Naphthalene-d8	10.59	136	10779	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.44	164	6694	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.19	188	11651	0.40	ng/ul	0.00
17) Chrysene-d12	21.39	240	8080	0.40	ng/ul	0.00
23) Perylene-d12	23.75	264	13241	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	8298	2.41	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.19	152	3548	0.21	ng/ul	0.00
18) Fluoranthene-d10	19.23	212	7529	0.28	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.64	128	152462	4.434	ng/ul	98
7) 2-Methylnaphthalene	12.26	142	19135	0.850	ng/ul	99
8) 1-Methylnaphthalene	12.48	142	9574	0.440	ng/ul	100
10) Acenaphthylene	14.16	152	222343	6.425	ng/ul	100
11) Acenaphthene	14.51	153	299724	11.301	ng/ul	98
12) Fluorene	15.50	166	355539	12.132	ng/ul	100
15) Phenanthrene	17.24	178	3138811	74.227	ng/ul	99
16) Anthracene	17.33	178	1474612	39.552	ng/ul	99
19) Fluoranthene	19.27	202	4006963	107.320	ng/ul	100
20) Pyrene	19.62	202	3218530	85.951	ng/ul	99
21) Benzo(a)anthracene	21.38	228	2222856m	74.266	ng/ul	98
22) Chrysene	21.43	228	1906431	53.205	ng/ul	98
24) Benzo(b)fluoranthene	23.04	252	2241393m	36.234	ng/ul	96
25) Benzo(k)fluoranthene	23.08	252	1022003m	14.638	ng/ul	96
26) Benzo(a)pyrene	23.65	252	1452753	27.962	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	26.18	276	994779	15.853	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.19	278	308175	6.264	ng/ul	96
29) Benzo(g,h,i)perylene	26.92	276	76290	1.312	ng/ul#	91

JU 7/15/21

JU 7/15/21

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