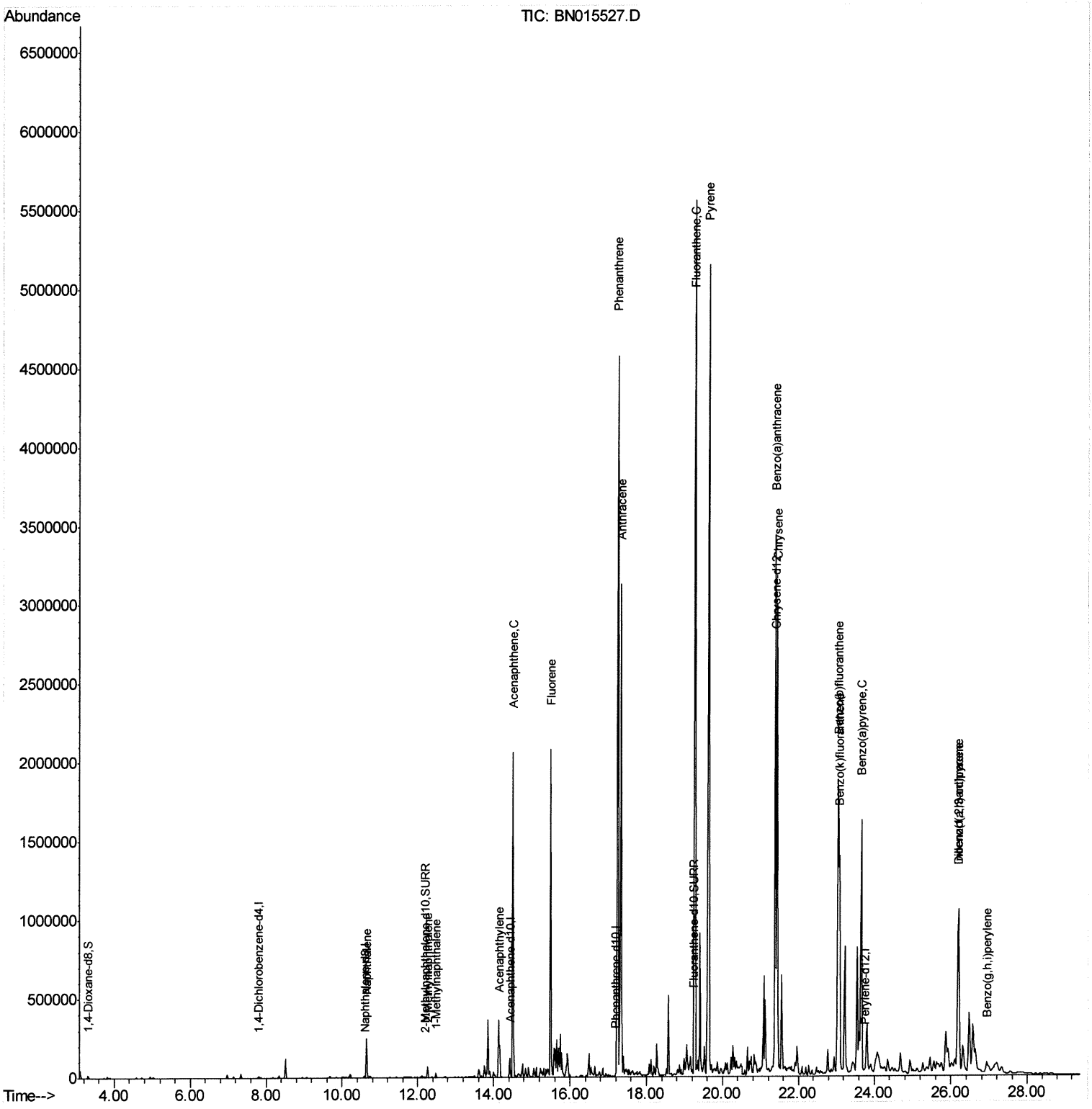
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 14:47:36 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 :
BGDX5

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:40 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 14:44:44 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
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Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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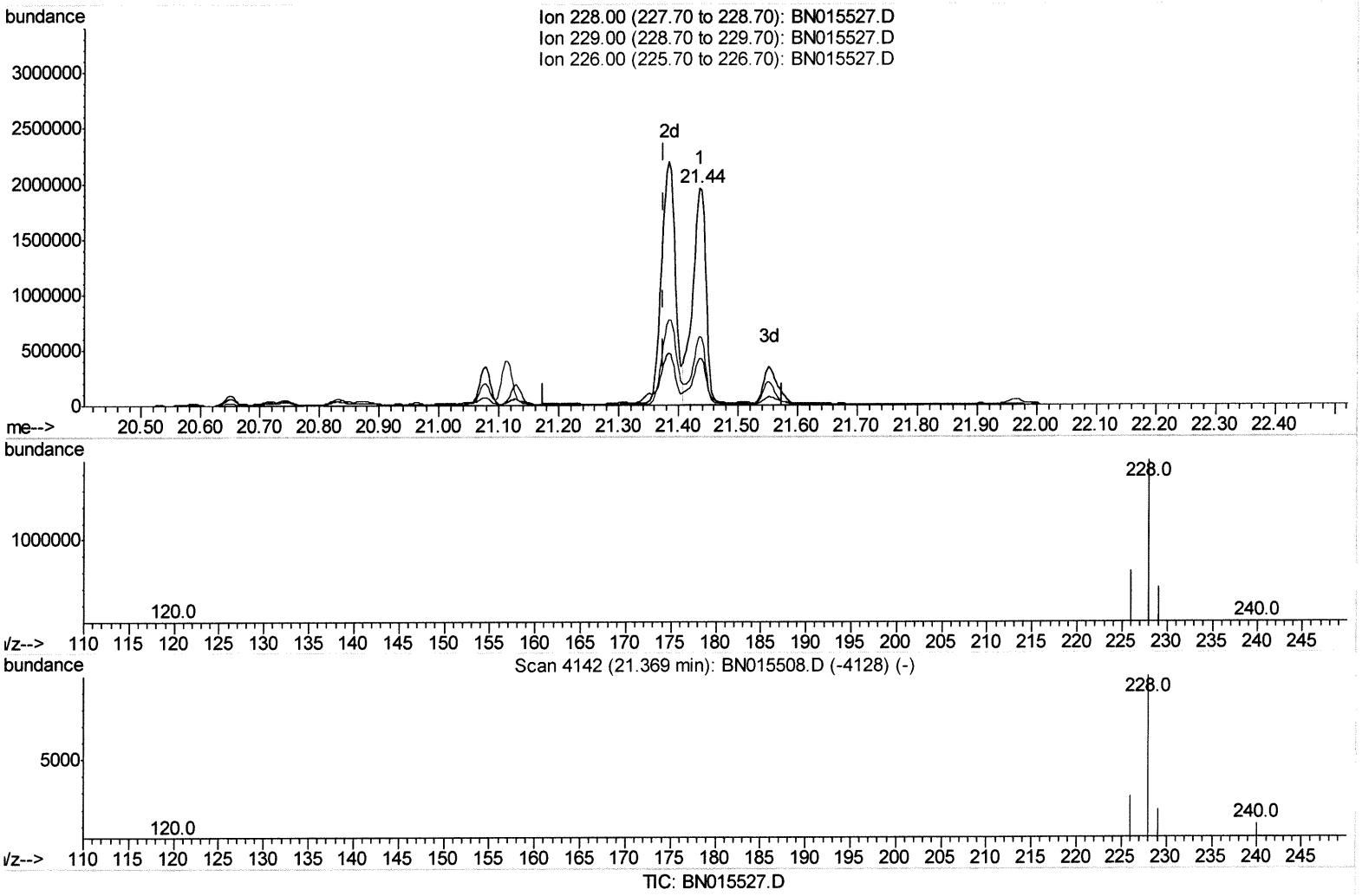

TIC: BN015527.D

(21) Benzo(a)anthracene

21.436min (+0.061) 80.04ng/ul

response 3056532

Ion	Exp%	Act%
228.00	100	100
229.00	19.80	21.54
226.00	27.30	31.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 14:44:44 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
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BNA_N
ClientSampleId :
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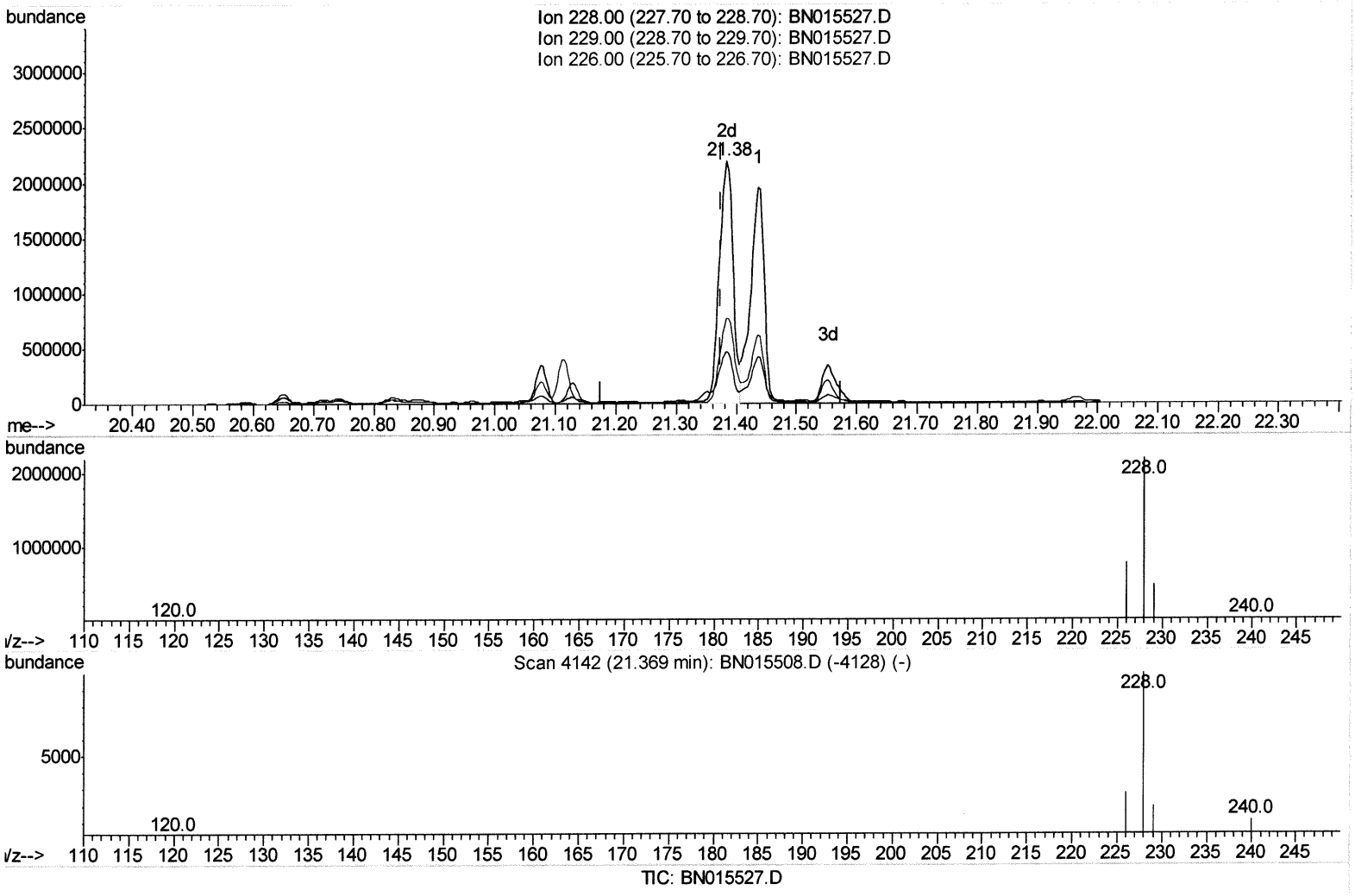
Manual Integrations APPROVED
mohammad
7/13/2021 4:39:40 PM



TIC: BN015527.D

(21) Benzo(a)anthracene

21.383min (+0.008) 93.68ng/ul m

response 3577355

JH 7/15/21

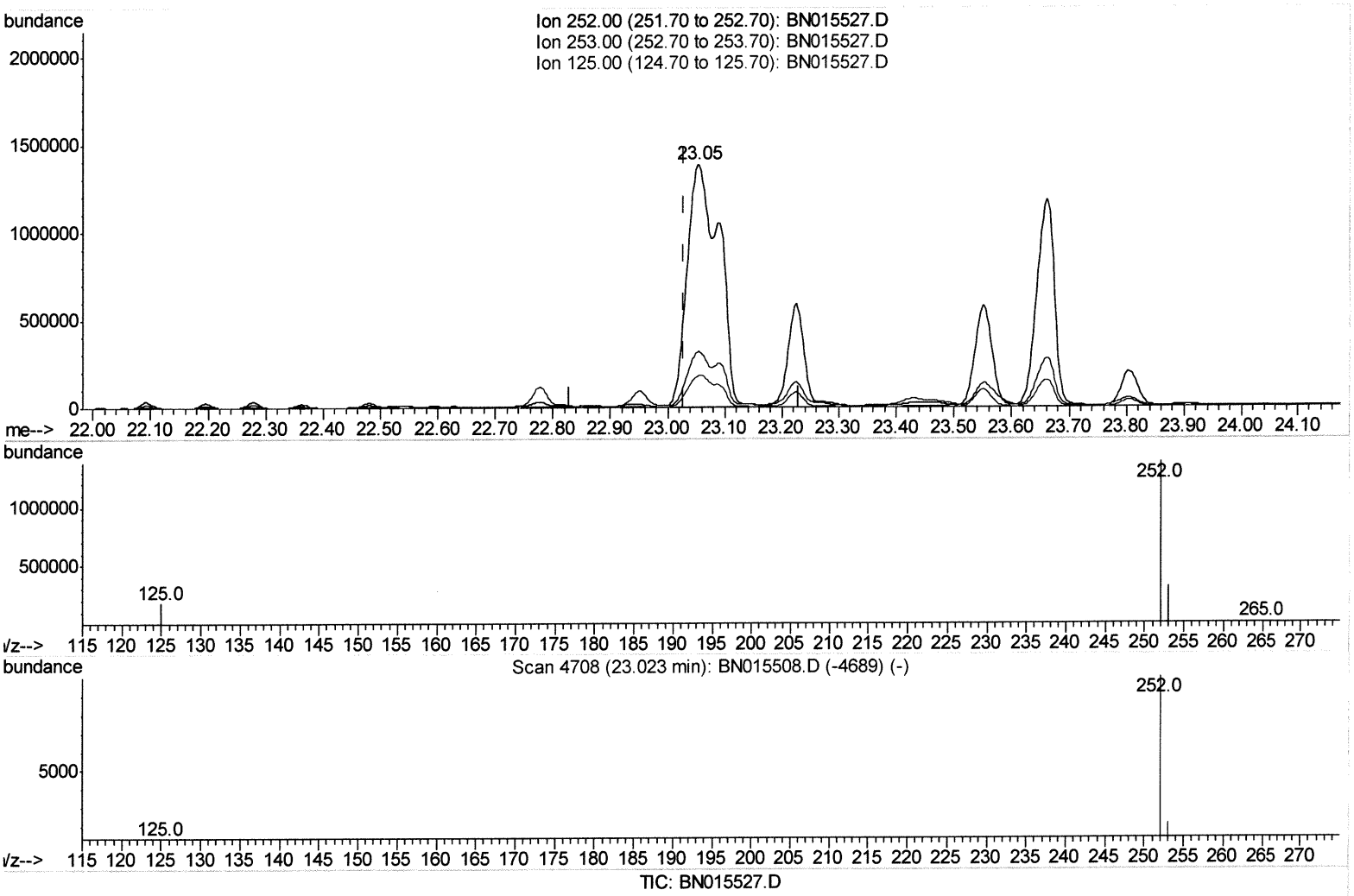
Ion	Exp%	Act%
228.00	100	100
229.00	19.80	21.47
226.00	27.30	34.91#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 14:44:44 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 :
BGDX5

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:40 PM



TIC: BN015527.D

(24) Benzo(b)fluoranthene

23.052min (+0.023) 63.91ng/ul

response 5328223

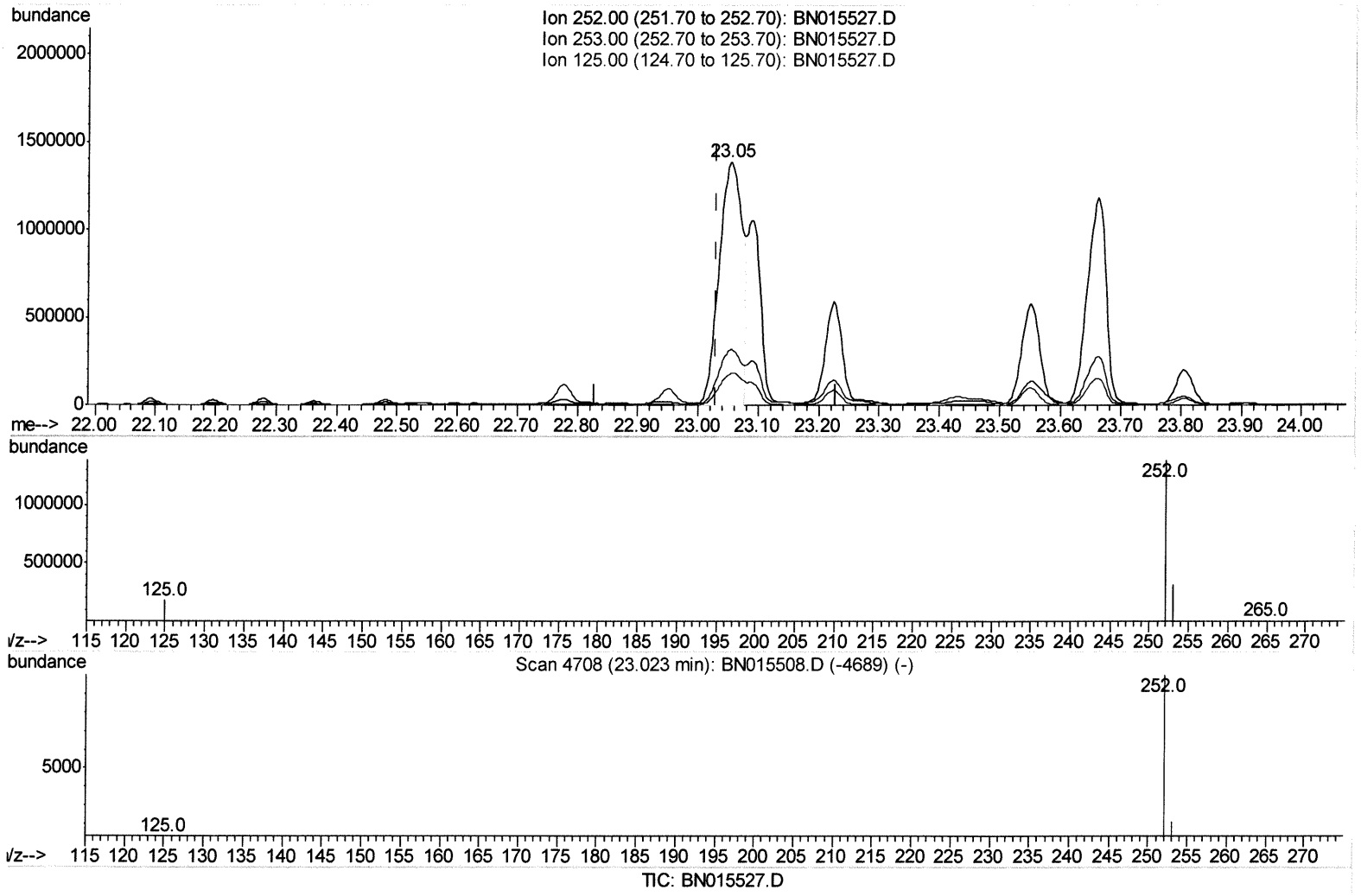
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.81
125.00	14.20	12.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 14:44:44 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 :
BGDX5

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:40 PM



(24) Benzo(b)fluoranthene

23.052min (+0.023) 43.08ng/ul m

response 3591070

7/15/21

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.81
125.00	14.20	12.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 14:44:44 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
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BNA_N
ClientSampleId :
BGDX5

Manual Integrations APPROVED
mohammad
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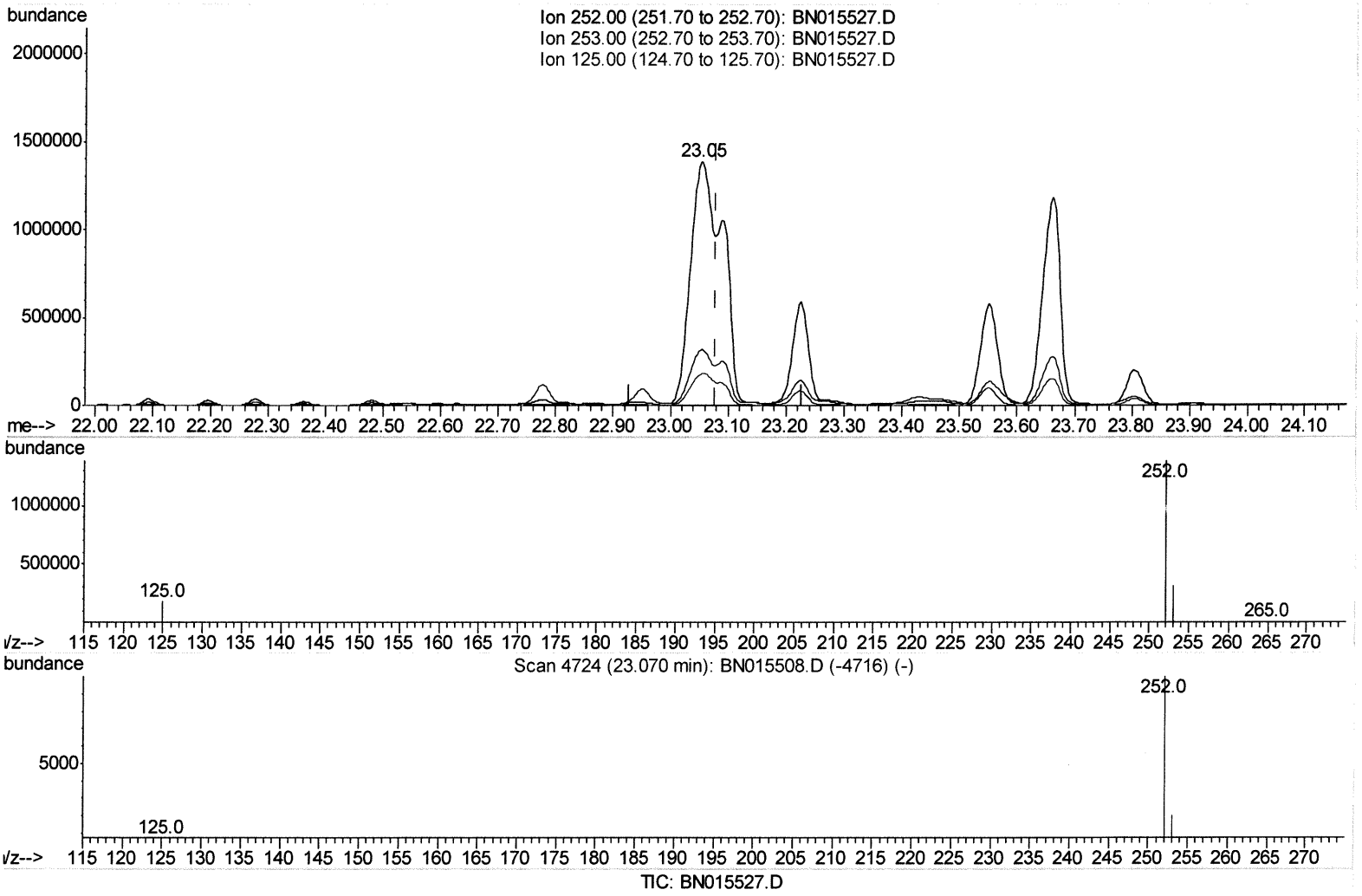

TIC: BN015527.D

(25) Benzo(k)fluoranthene

23.052min (-0.027) 56.63ng/ul

response 5328223

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.81
125.00	14.40	12.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 13 14:44:44 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
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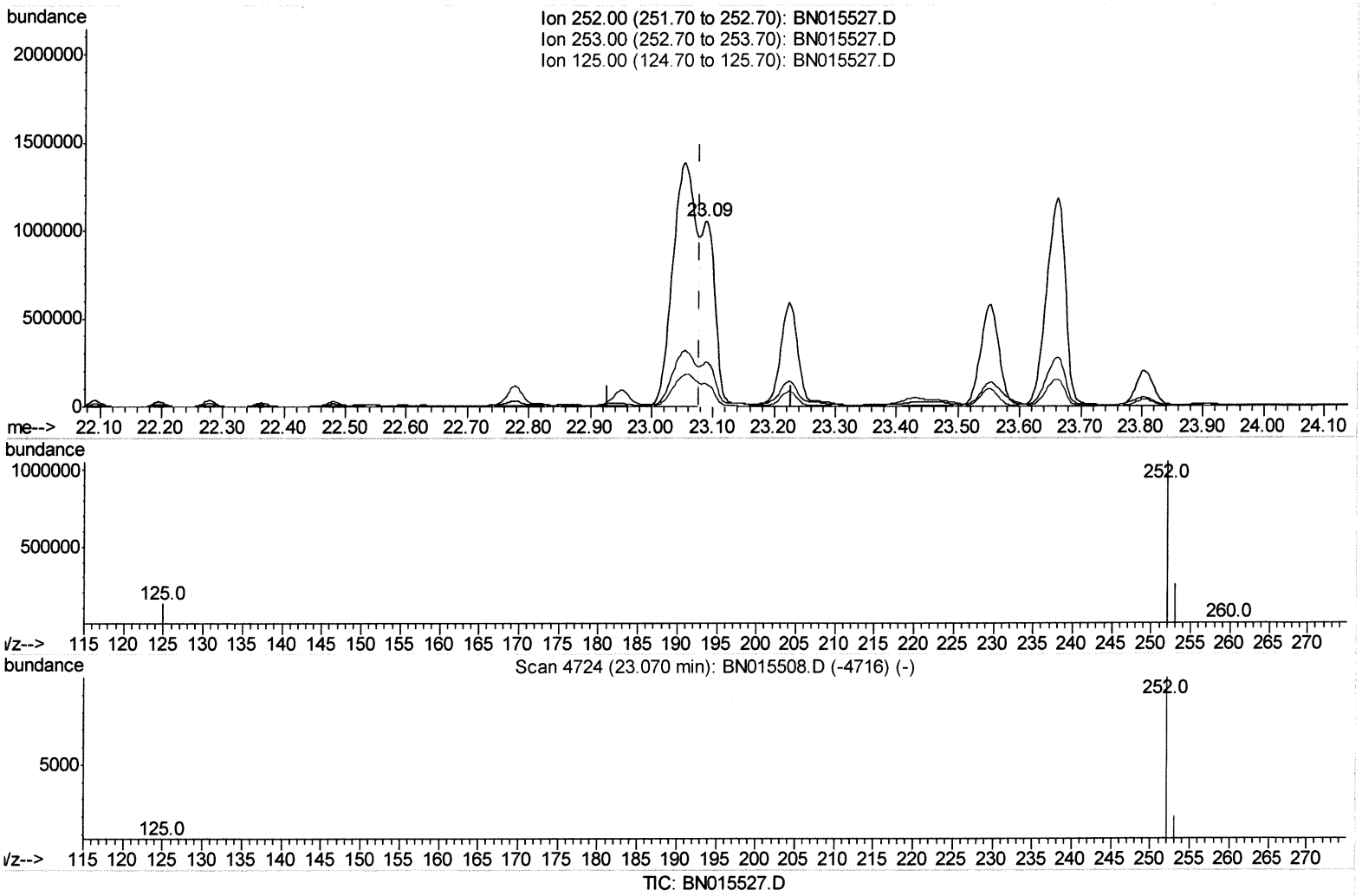
Instrument :
BNA_N
ClientSampleId :
BGDX5

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:40 PM



TIC: BN015527.D

(25) Benzo(k)fluoranthene

23.090min (+0.011) 18.81ng/ul m

7/16/21

response 1769993

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	23.86
125.00	14.40	12.10
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071221\
Data File : BN015527.D
Acq On : 13 Jul 2021 14:14
Operator : CG/JU
Sample : M2869-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BGDX5

Manual Integrations APPROVED
mohammad
7/13/2021 4:39:40 PM

Quant Time: Jul 13 14:47:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	3646	0.40	ng/ul	0.00
4) Naphthalene-d8	10.59	136	12809	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.44	164	10617	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.20	188	13985	0.40	ng/ul	0.00
17) Chrysene-d12	21.40	240	10309	0.40	ng/ul	0.01
23) Perylene-d12	23.75	264	17845	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	11102	2.70	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.19	152	4693	0.23	ng/ul	0.00
18) Fluoranthene-d10	19.23	212	11165	0.33	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.64	128	328300	8.034	ng/ul	99
7) 2-Methylnaphthalene	12.26	142	46540	1.741	ng/ul	99
8) 1-Methylnaphthalene	12.48	142	18137	0.701	ng/ul	99
10) Acenaphthylene	14.16	152	284705	5.187	ng/ul	98
11) Acenaphthene	14.51	153	1251431	29.750	ng/ul	98
12) Fluorene	15.50	166	1376148	29.607	ng/ul	100
15) Phenanthrene	17.25	178	6719908	132.392	ng/ul	98
16) Anthracene	17.33	178	3589190	80.203	ng/ul	100
19) Fluoranthene	19.28	202	6359632	133.503	ng/ul	99
20) Pyrene	19.63	202	5435724	113.774	ng/ul	100
21) Benzo(a)anthracene	21.38	228	3577355m	93.677	ng/ul	97
22) Chrysene	21.44	228	3031027	66.300	ng/ul	97
24) Benzo(b)fluoranthene	23.05	252	3591070m	43.076	ng/ul	96
25) Benzo(k)fluoranthene	23.09	252	1769993m	18.811	ng/ul	96
26) Benzo(a)pyrene	23.66	252	2536105	36.220	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	26.20	276	1728396	20.438	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.20	278	517070	7.798	ng/ul	96
29) Benzo(g,h,i)perylene	26.93	276	162434	2.073	ng/ul	95

JU 7/15/21

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