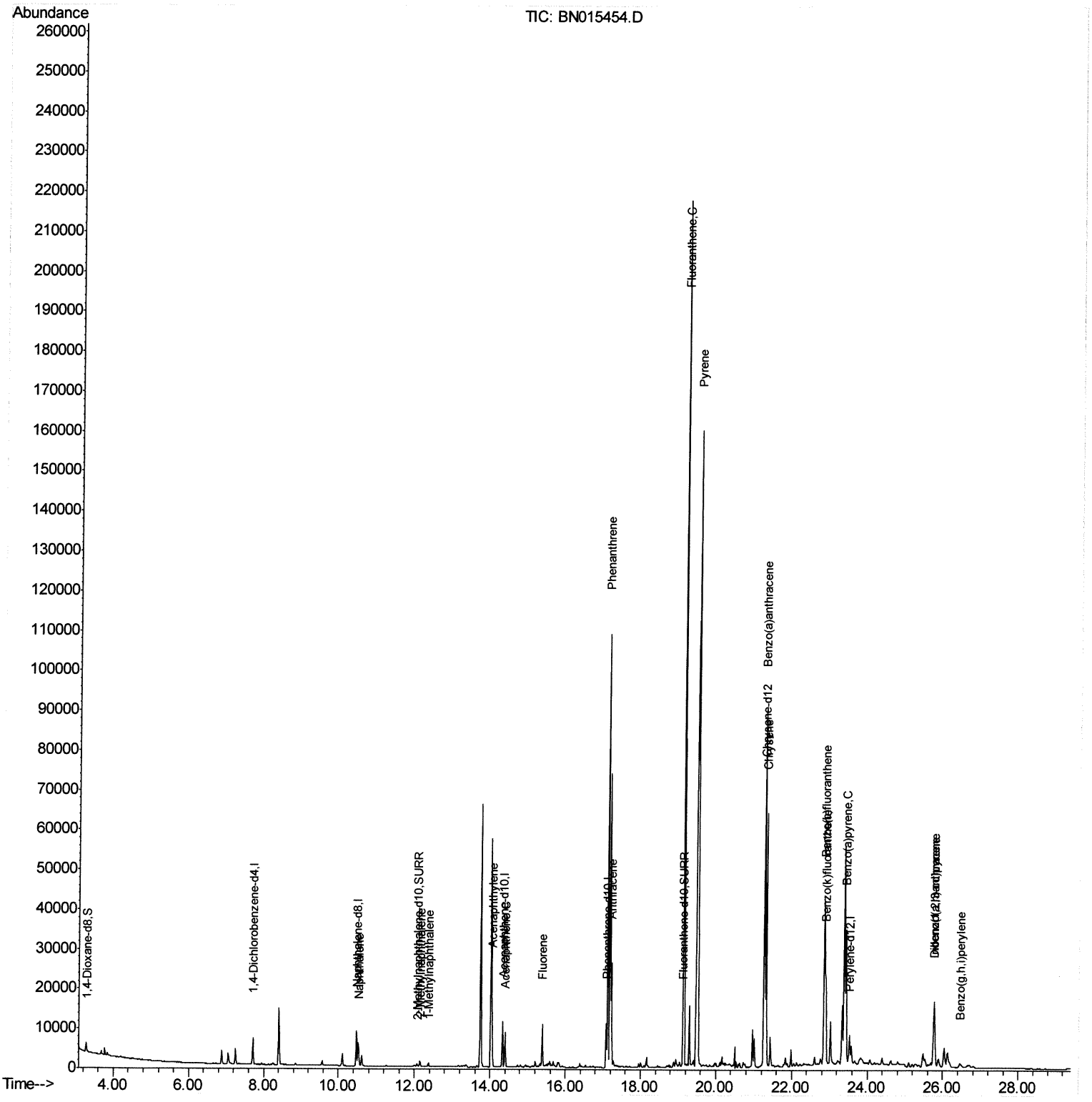
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 12 04:39:15 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM

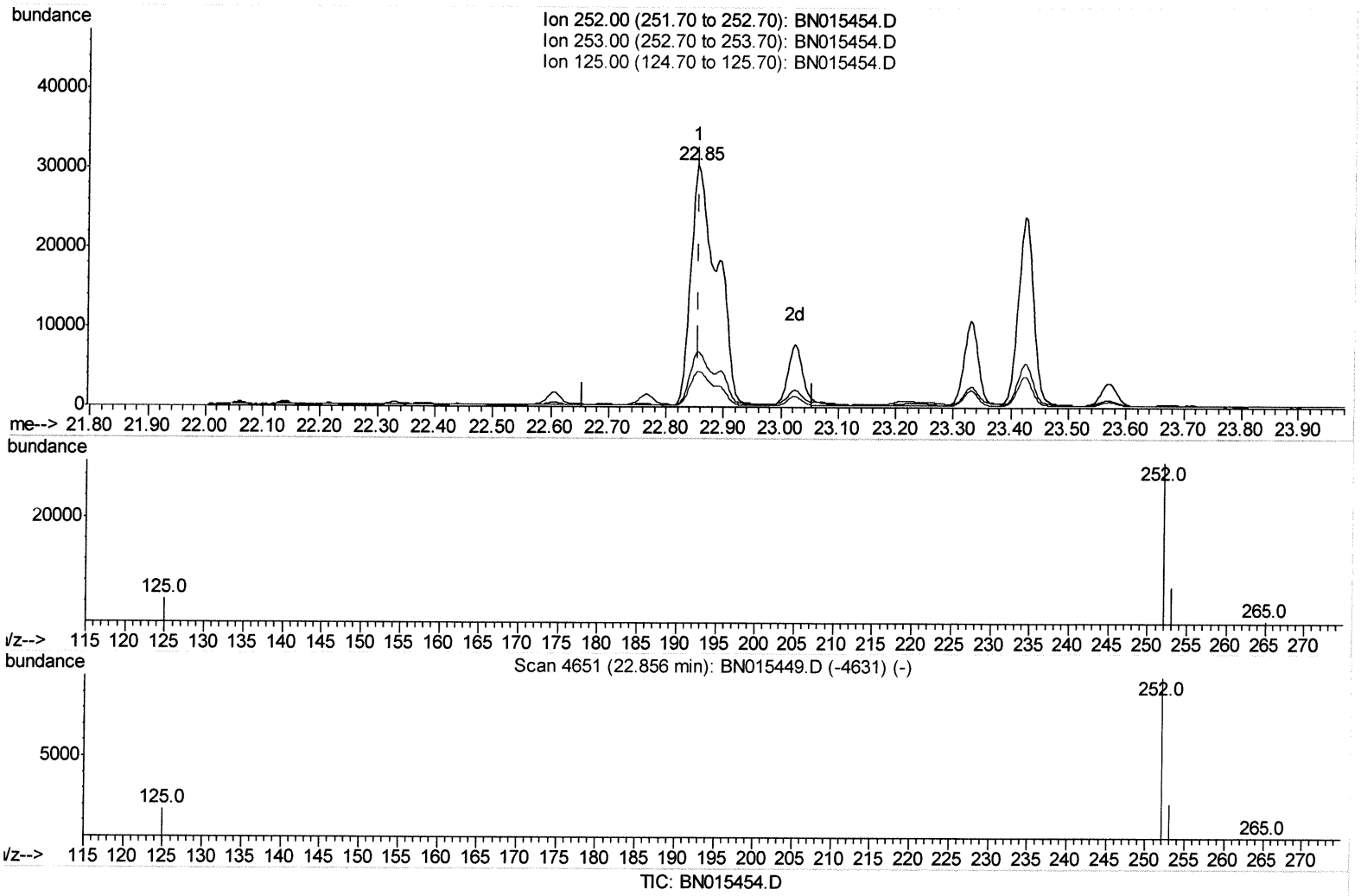


Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 00:28:04 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM



(24) Benzo(b)fluoranthene

22.854min (-0.002) 2.33ng/ul

response 95410

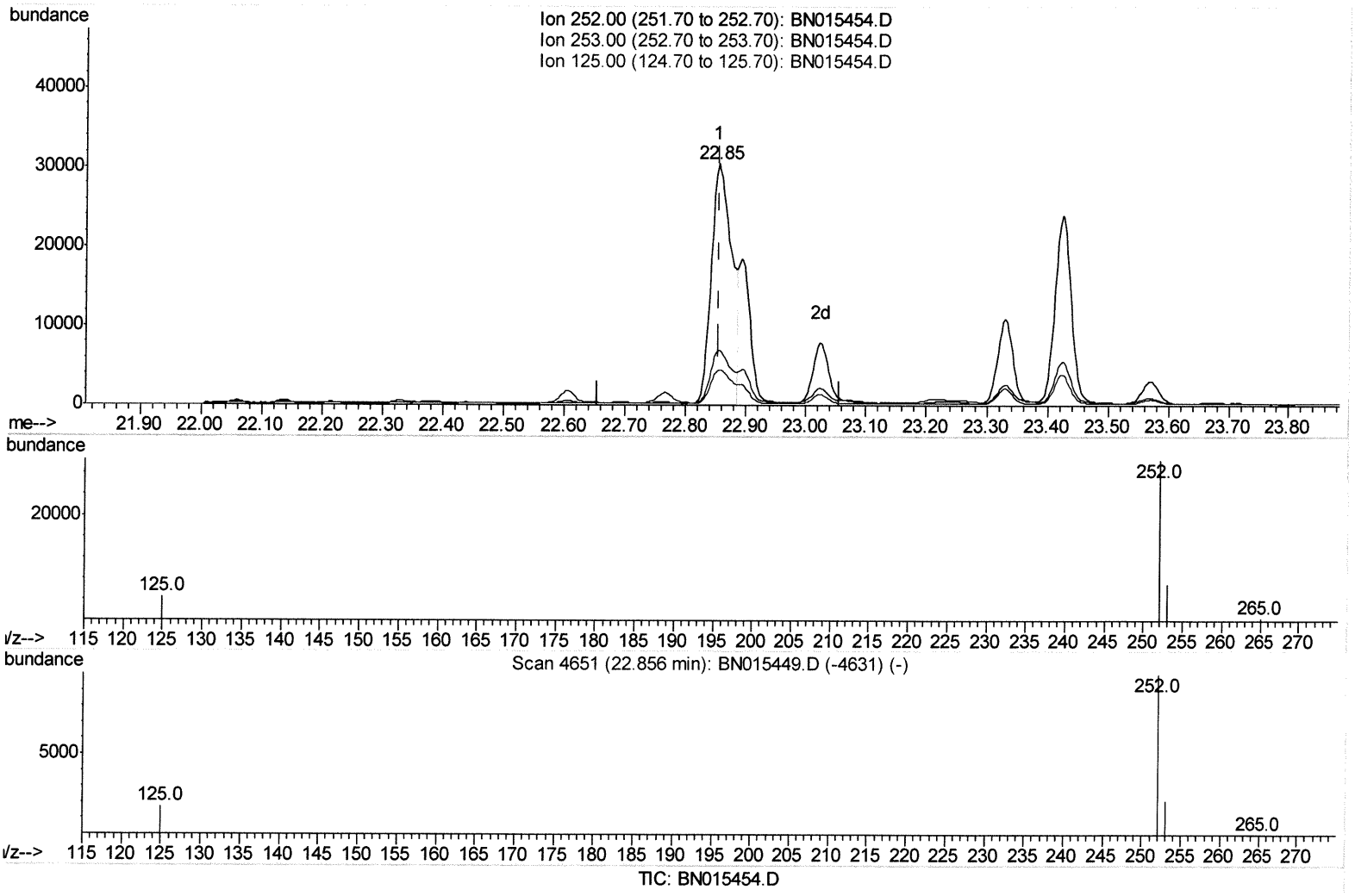
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.70
125.00	14.20	14.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 00:28:04 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM



TIC: BN015454.D

(24) Benzo(b)fluoranthene

22.854min (-0.002) 1.74ng/ul m

response 71262

JU 7/14/21

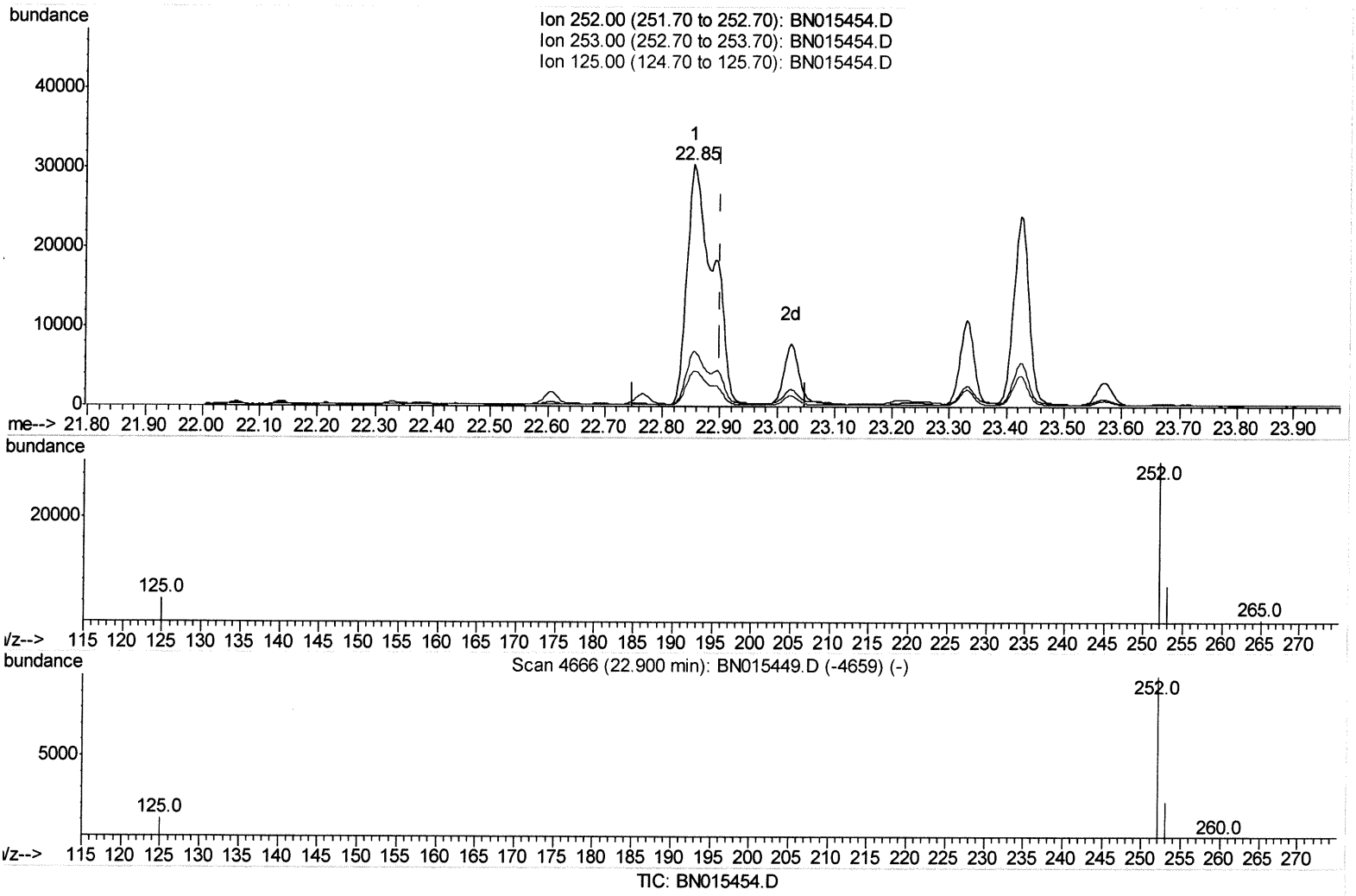
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.70
125.00	14.20	14.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 00:41:32 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM



(25) Benzo(k)fluoranthene

22.854min (-0.046) 2.07ng/ul

response 95410

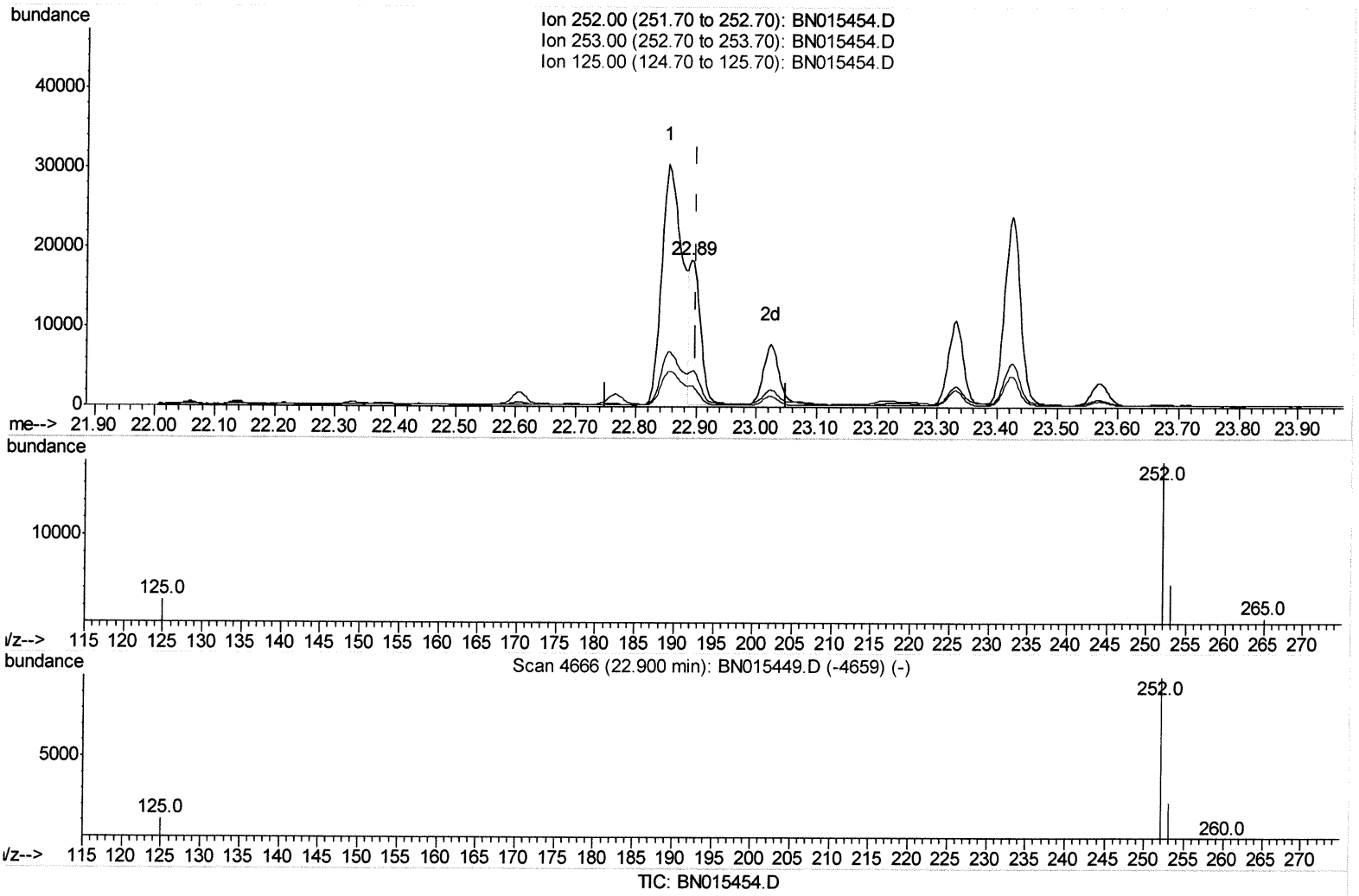
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.70
125.00	14.40	14.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 00:41:32 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM



(25) Benzo(k)fluoranthene

22.892min (-0.008) 0.51ng/ul m

response 23376

JG 7/14/21

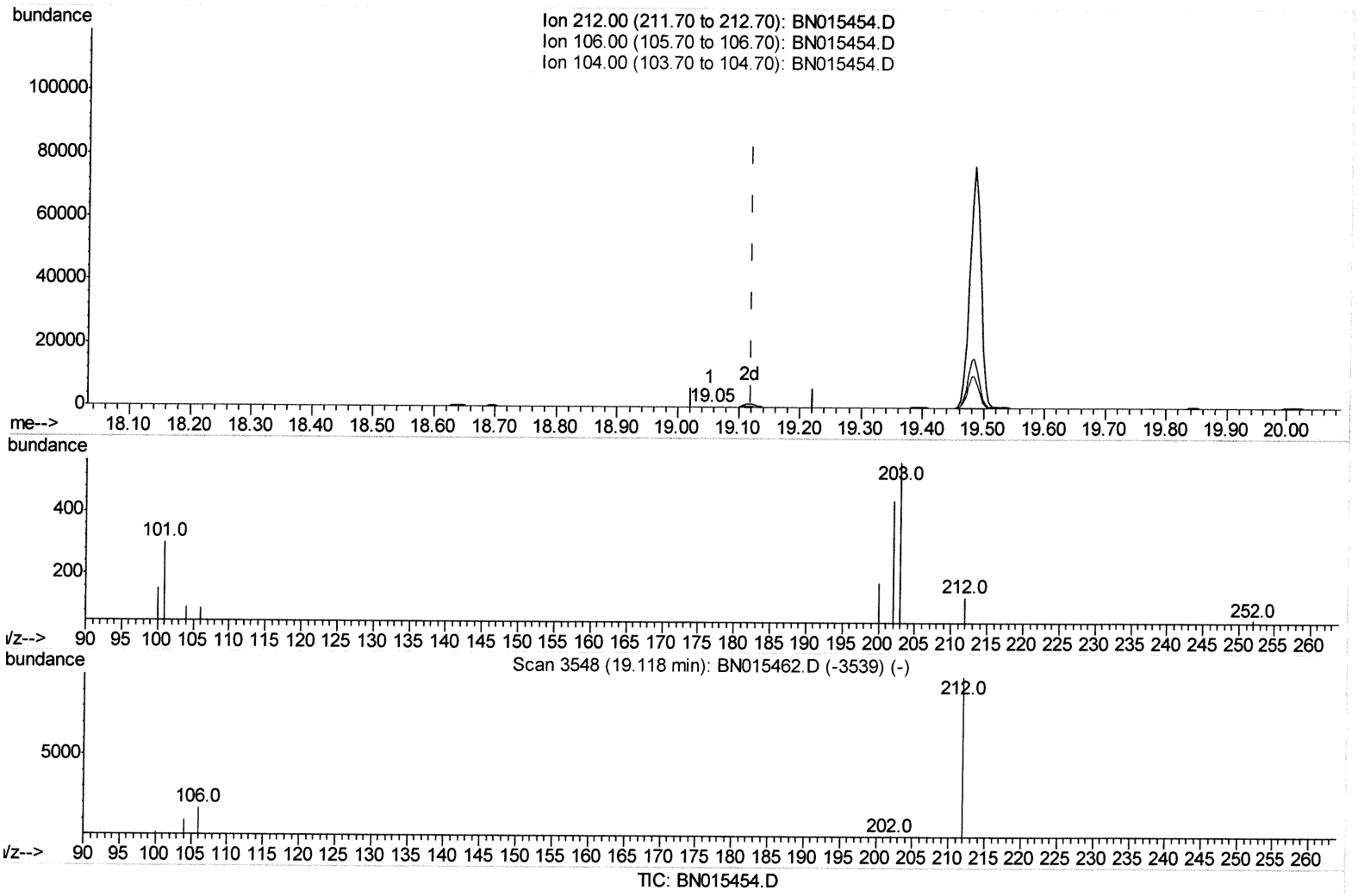
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	24.37
125.00	14.40	14.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 00:42:33 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM



(18) Fluoranthene-d10 (SURR)

19.053min (-0.069) 0.00ng/ul

response 101

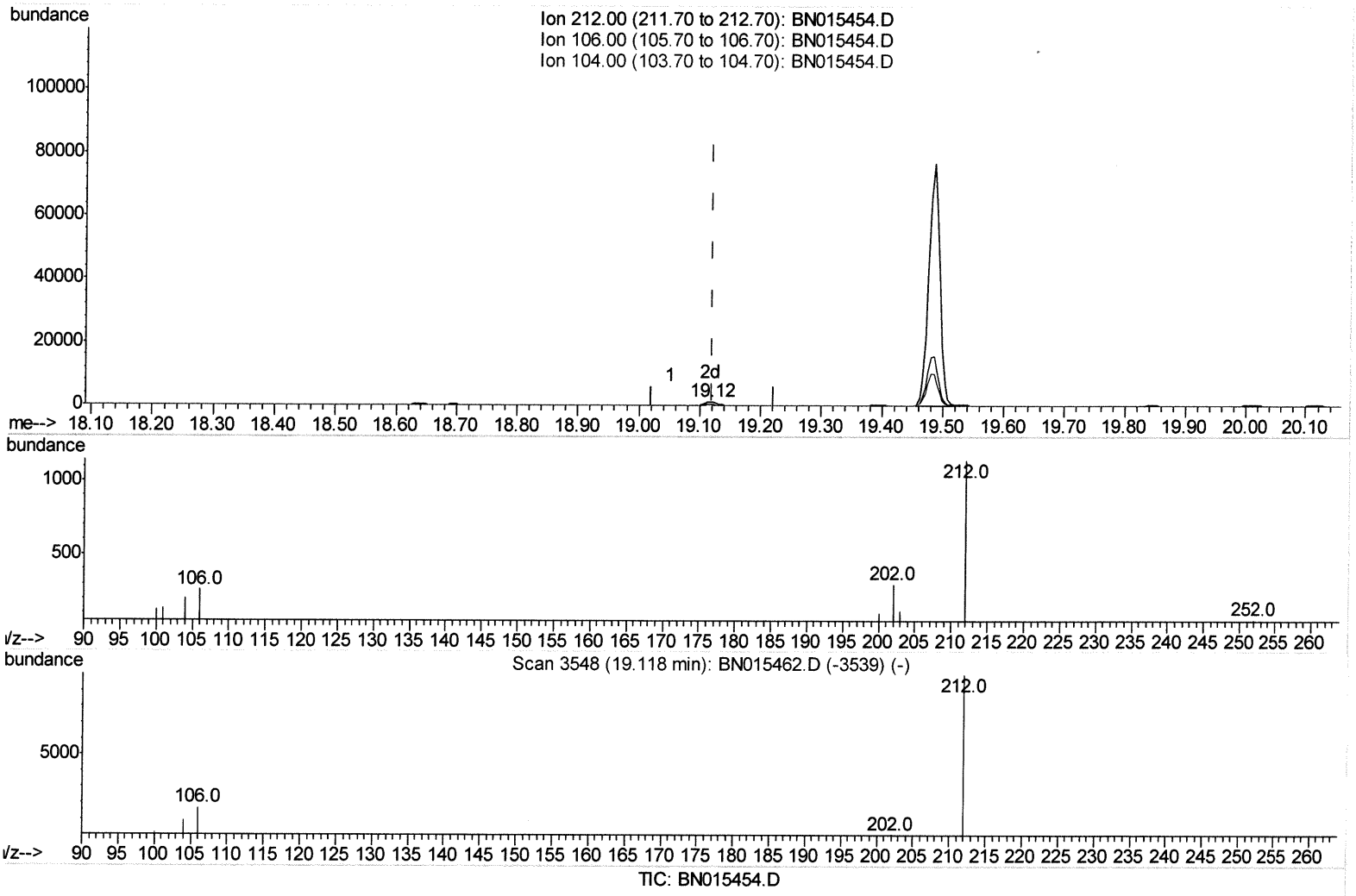
Ion	Exp%	Act%
212.00	100	100
106.00	17.40	20.79
104.00	9.90	9.90
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 00:42:33 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM



(18) Fluoranthene-d10 (SURR)

19.118min (-0.004) 0.04ng/ul m

response 1456

Ion	Exp%	Act%
212.00	100	100
106.00	17.40	1.44#
104.00	9.90	0.69#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015454.D
Acq On : 09 Jul 2021 20:02
Operator : CG/JU
Sample : M2854-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BGDS3DL

Manual Integrations APPROVED
mohammad
7/12/2021 9:33:08 AM

Quant Time: Jul 12 04:39:15 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 : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3294	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	11554	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.34	164	6171	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.09	188	12271	0.40	ng/ul	0.00
17) Chrysene-d12	21.28	240	10139	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	8758	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	1714	0.46	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.07	152	675	0.04	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	1456m	0.04	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.53	128	7750	0.210	ng/ul	99
7) 2-Methylnaphthalene	12.15	142	958	0.040	ng/ul	98
8) 1-Methylnaphthalene	12.37	142	544	0.023	ng/ul	98
10) Acenaphthylene	14.05	152	12262	0.384	ng/ul	100
11) Acenaphthene	14.40	153	4932	0.202	ng/ul	98
12) Fluorene	15.39	166	6916	0.256	ng/ul	98
15) Phenanthrene	17.12	178	111679	2.508	ng/ul	100
16) Anthracene	17.22	178	26771	0.682	ng/ul	100
19) Fluoranthene	19.15	202	180411	3.851	ng/ul	100
20) Pyrene	19.51	202	131616	2.801	ng/ul	100
21) Benzo(a)anthracene	21.27	228	74842	1.993	ng/ul	97
22) Chrysene	21.32	228	57306	1.275	ng/ul	98
24) Benzo(b)fluoranthene	22.85	252	71262m	1.742	ng/ul	
25) Benzo(k)fluoranthene	22.89	252	23376m	0.506	ng/ul	
26) Benzo(a)pyrene	23.42	252	44238	1.287	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.77	276	24975	0.602	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.77	278	7544	0.232	ng/ul	92
29) Benzo(g,h,i)perylene	26.45	276	2304	0.060	ng/ul#	81

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