Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013235.D
Acq On : 07 Dec 2017 06:28
Operator : SJ/JU
Sample : I6713-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 07 07:12:49 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE163

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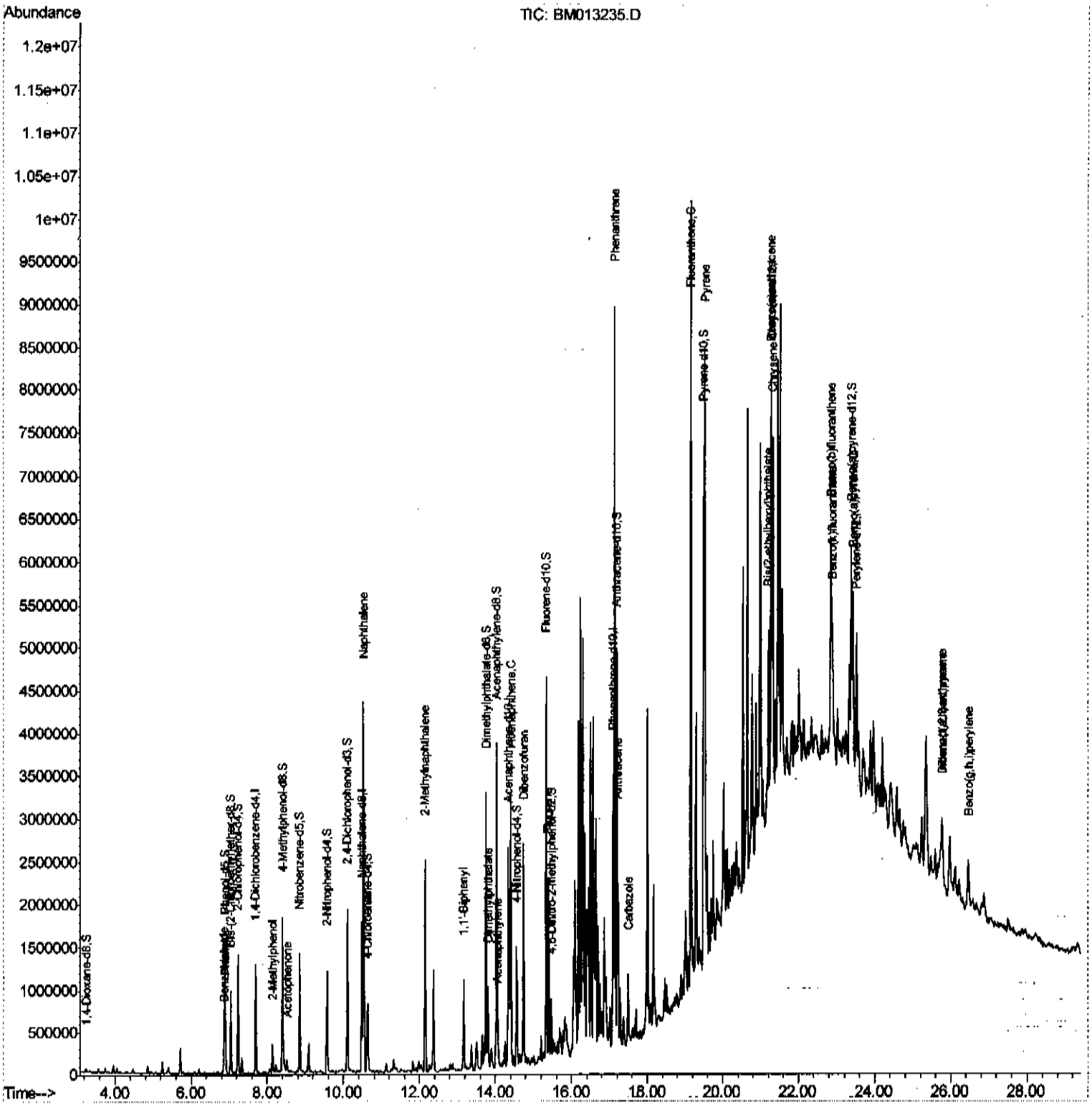

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Acq On : 07 Dec 2017 06:28
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Quant Time: Dec 07 07:07:54 2017
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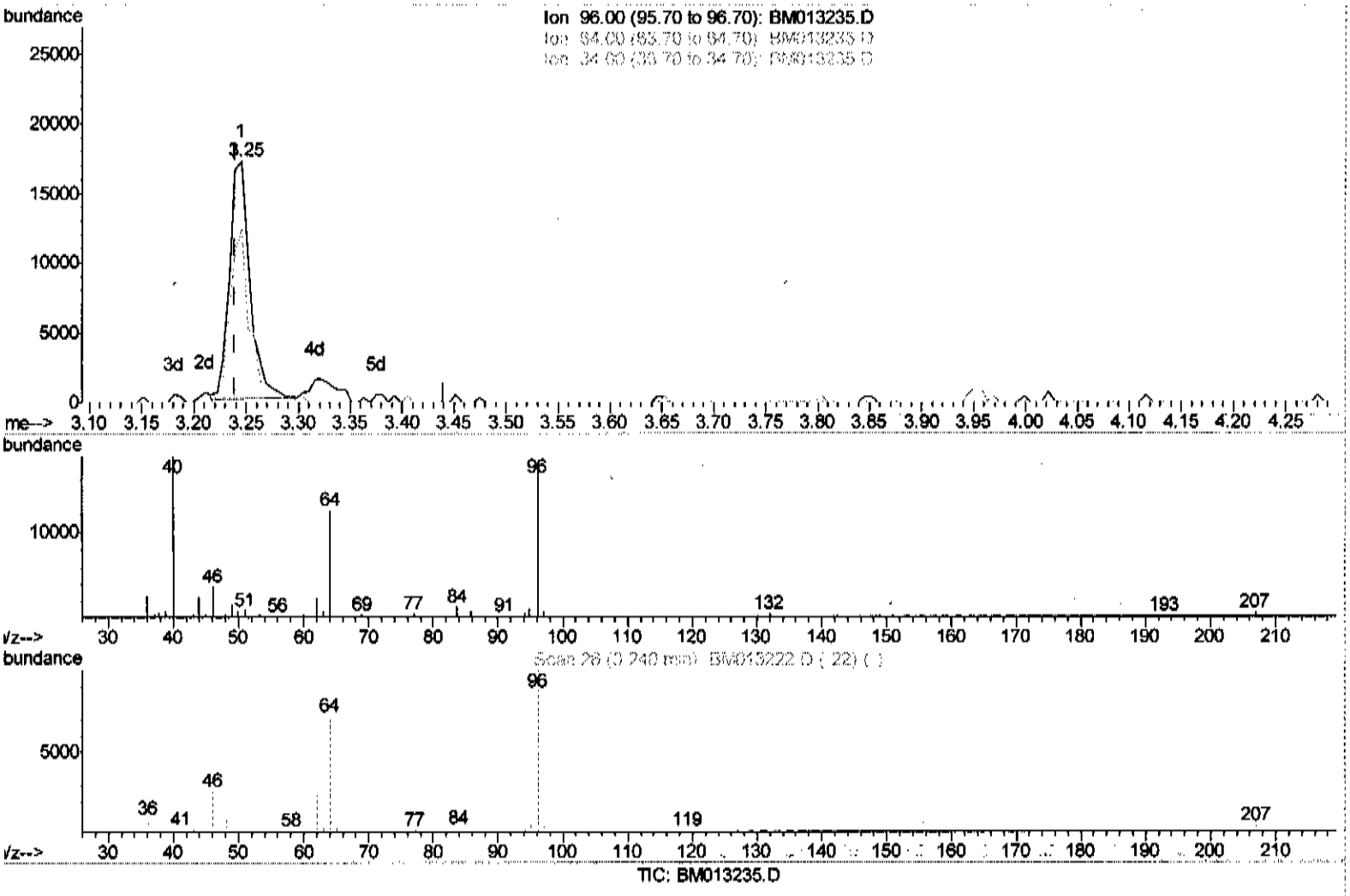

TIC: BM013235.D

(3) 1,4-Dioxane-d8 (S)

3.246min (+0.006) 3.40ng/uL

response 22901

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	71.50
34.00	0.00	0.00
0.00	0.00	0.00

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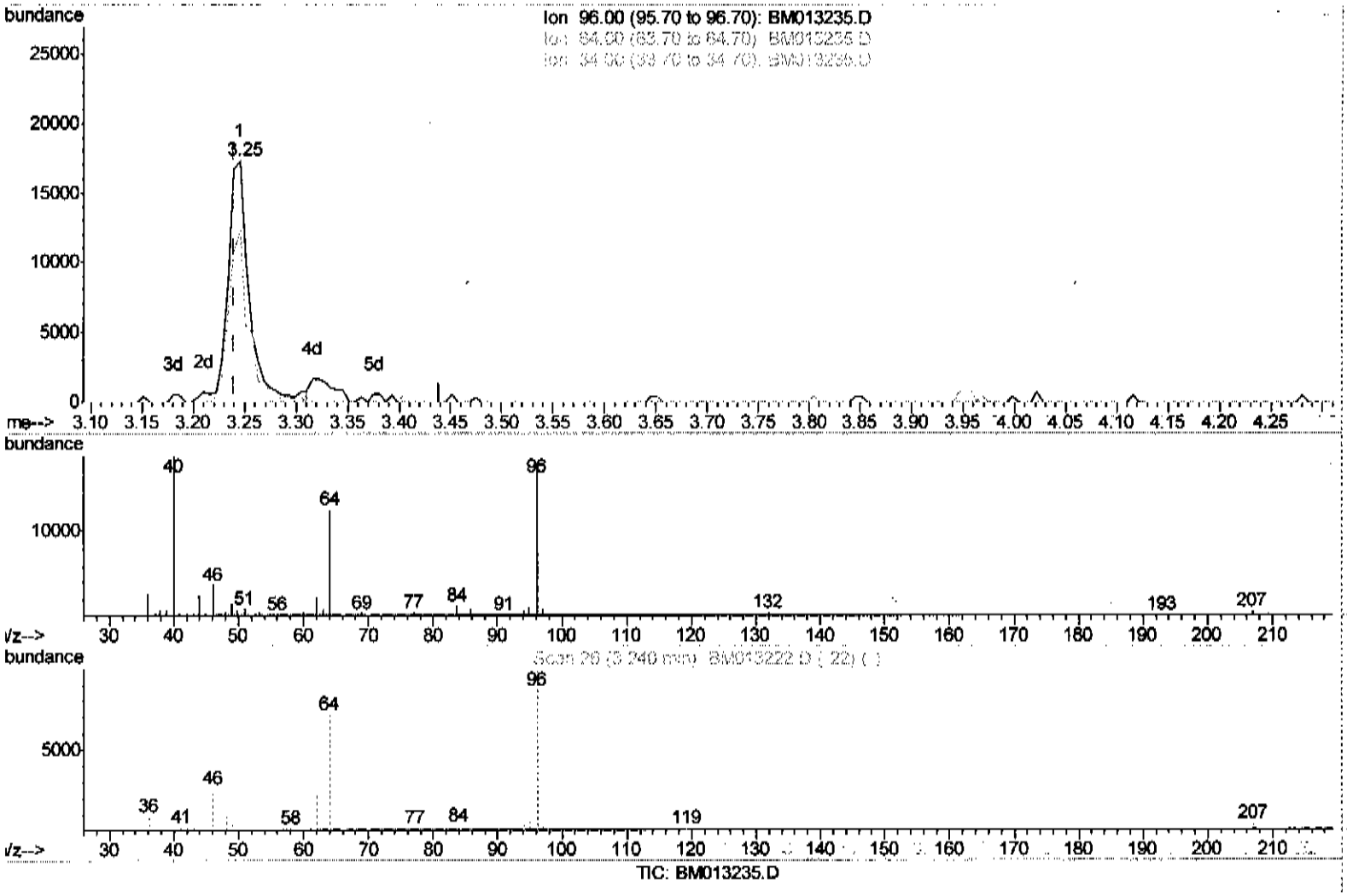

TIC: BM013235.D

(3) 1,4-Dioxane-d8 (S)

3.246min (+0.006) 3.77ng/uL m SJ 12/07/17

response 25372

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	64.54
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013235.D
Acq On : 07 Dec 2017 06:28
Operator : SJ/JU
Sample : I6713-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 07 07:08:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
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Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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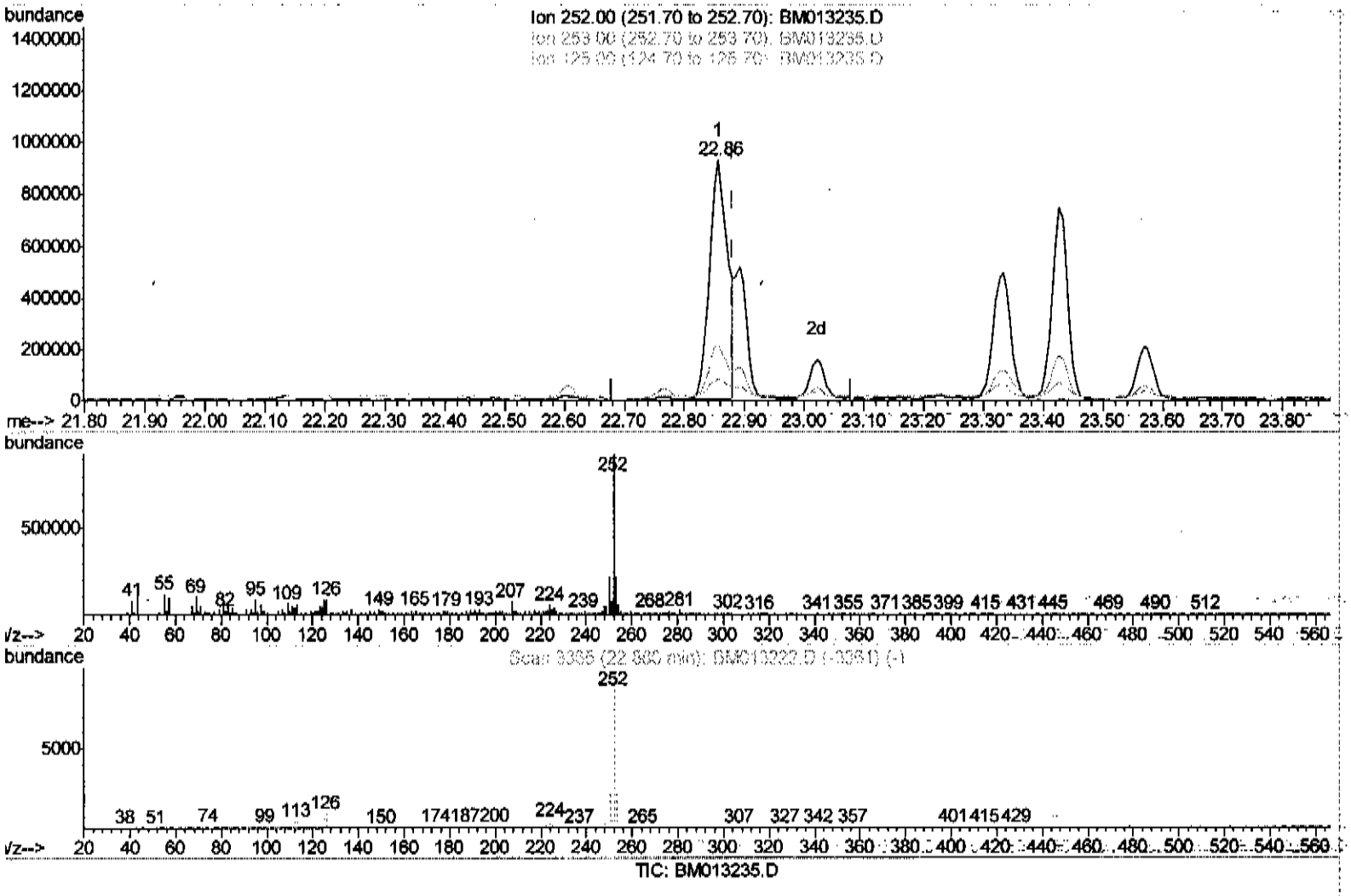

TIC: BM013235.D

(86) Benzo(k)fluoranthene

22.856min (-0.024) 25.60ng/ul

response 1958011

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.21
125.00	4.30	8.93#
0.00	0.00	0.00

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Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 07 07:08:56 2017
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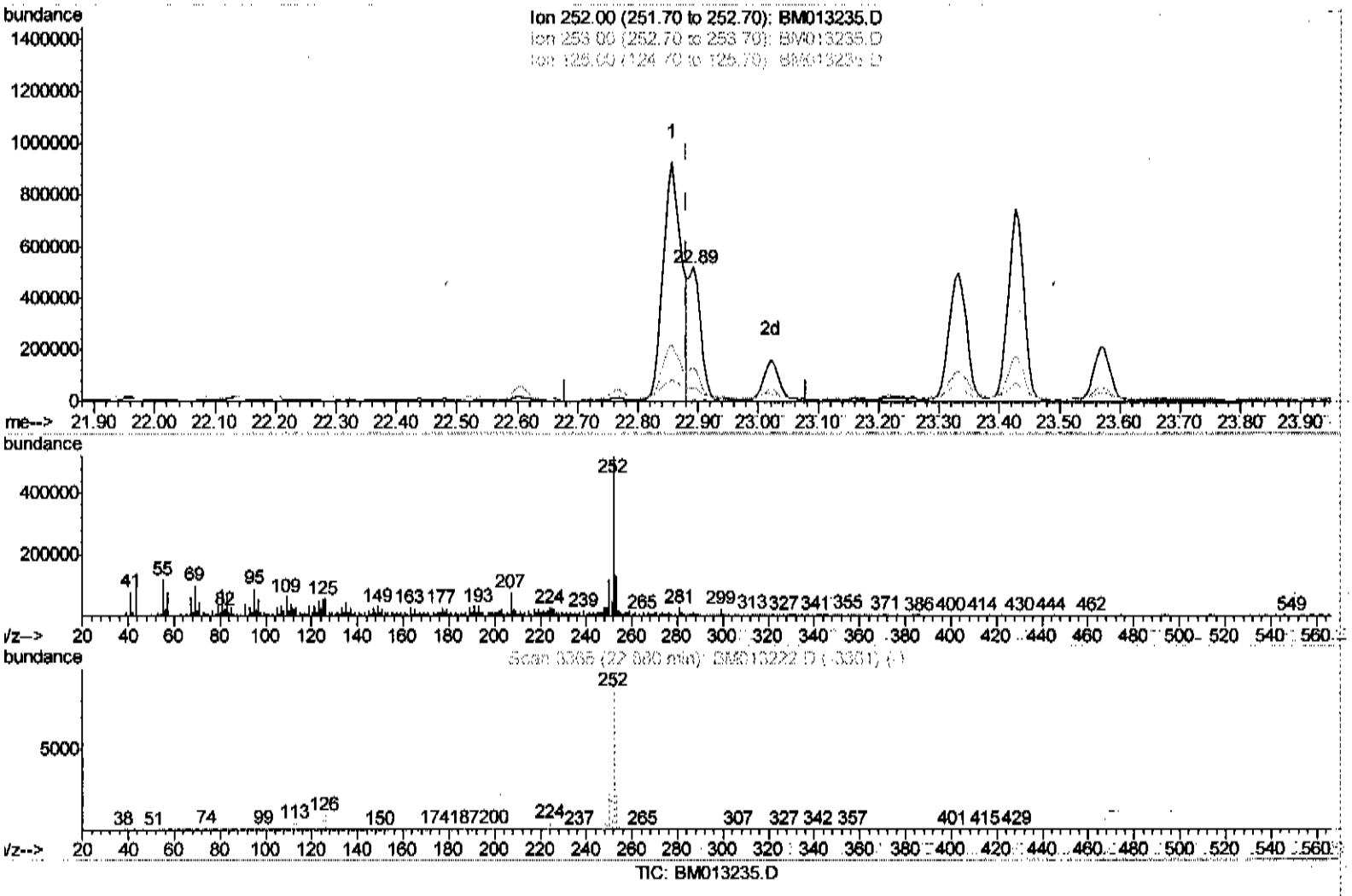

(86) Benzo(k)fluoranthene

22.891min (+0.012) 9.48ng/ul m SJ 12/07/17

response 724923

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	25.29
125.00	4.30	10.86#
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	333726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	1452234	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	831861	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.10	188	1785439	20.00	ng/ul	0.01
75) Chrysene-d12	21.29	240	1377758	20.00	ng/ul	0.01
83) Perylene-d12	23.53	264	1205806	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	25372m	3.77	ng/uL	0.00
5) Phenol-d5	6.88	99	722607	25.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	402322	24.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	584247	25.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	614207	24.90	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	309289	26.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	340474	27.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	667404	26.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	447156	19.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	2021817	27.31	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	2610935	28.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	319455	24.84	ng/ul	0.00
57) Fluorene-d10	15.34	176	1737569	27.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	154677	13.77	ng/ul	0.00
70) Anthracene-d10	17.19	188	2566936	28.71	ng/ul	0.00
76) Pyrene-d10	19.49	212	2461202	35.86	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.39	264	1737506	28.29	ng/ul	0.02
Target Compounds						Qvalue
4) Benzaldehyde	6.86	77	22514	1.576	ng/ul#	82
6) Phenol	6.90	94	231756	8.119	ng/ul#	84
11) 2-Methylphenol	8.15	108	102329	4.635	ng/ul	84
14) Acetophenone	8.52	105	63907	1.704	ng/ul#	83
28) Naphthalene	10.53	128	3276545	43.853	ng/ul	100
34) 2-Methylnaphthalene	12.15	142	1171271	20.854	ng/ul	95
40) 1,1'-Biphenyl	13.17	154	460525	6.550	ng/ul	99
44) Dimethylphthalate	13.80	163	533399	7.534	ng/ul	99
47) Acenaphthylene	14.06	152	136175	1.611	ng/ul#	95
49) Acenaphthene	14.41	153	1254945	21.792	ng/ul	97
53) Dibenzofuran	14.74	168	1545974	18.185	ng/ul	99
58) Fluorene	15.40	166	940309	13.370	ng/ul	95
69) Phenanthrene	17.14	178	4900195	48.309	ng/ul	99
71) Anthracene	17.23	178	1378857	13.299	ng/ul	99
72) Carbazole	17.50	167	462163	5.182	ng/ul	100
74) Fluoranthene	19.16	202	5233397	42.101	ng/ul#	93
77) Pyrene	19.52	202	4309981	51.492	ng/ul#	93
80) Benzo(a)anthracene	21.27	228	1927904	22.055	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.20	149	699812	14.196	ng/ul	97
82) Chrysene	21.32	228	1711904	21.109	ng/ul	96
85) Benzo(b)fluoranthene	22.86	252	1958011	24.088	ng/ul#	96
86) Benzo(k)fluoranthene	22.89	252	724923m	9.477	ng/ul	—
88) Benzo(a)pyrene	23.43	252	1345206	18.423	ng/ul#	96

SJ 12/07/17

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.77	276	803373	11.089 ng/ul#	96
90) Dibenzo(a,h)anthracene	25.77	278	219047	3.551 ng/ul#	78
91) Benzo(g,h,i)perylene	26.47	276	698772	12.227 ng/ul#	92

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