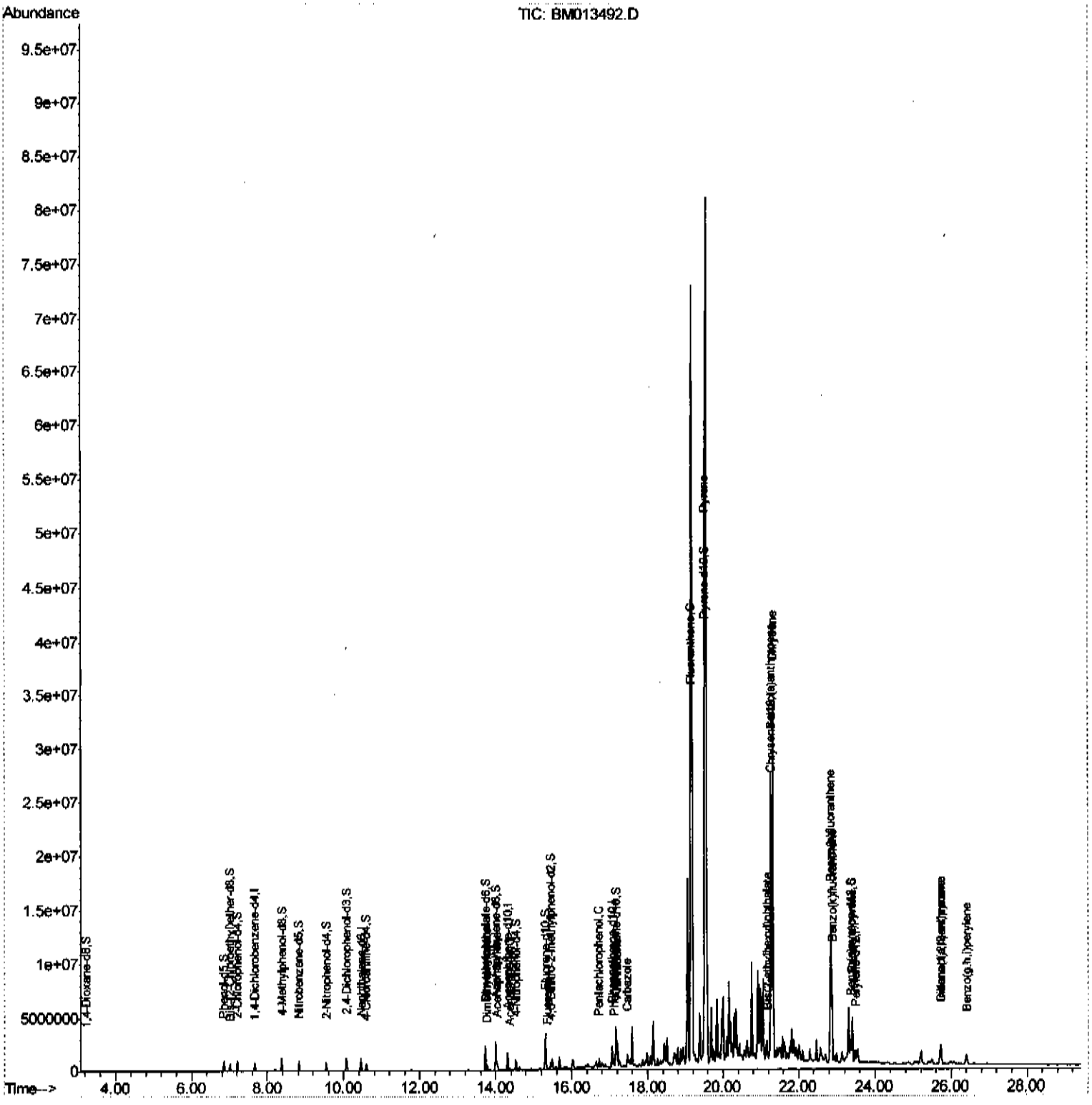
Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:45:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM

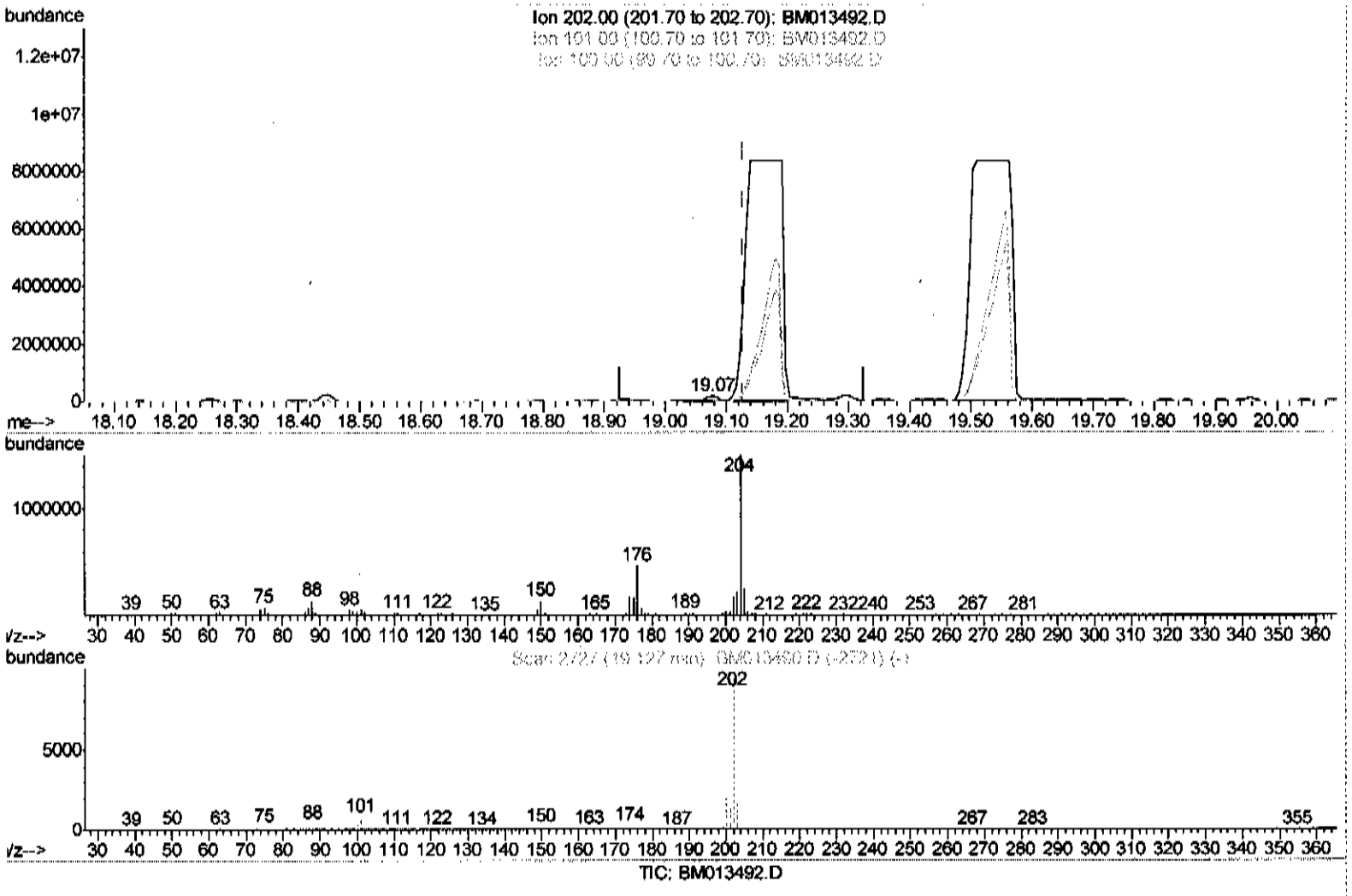


Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:32:43 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



TIC: BM013492.D

(74) Fluoranthene (C)

19.074min (-0.053) 2.41ng/ul

response 192498

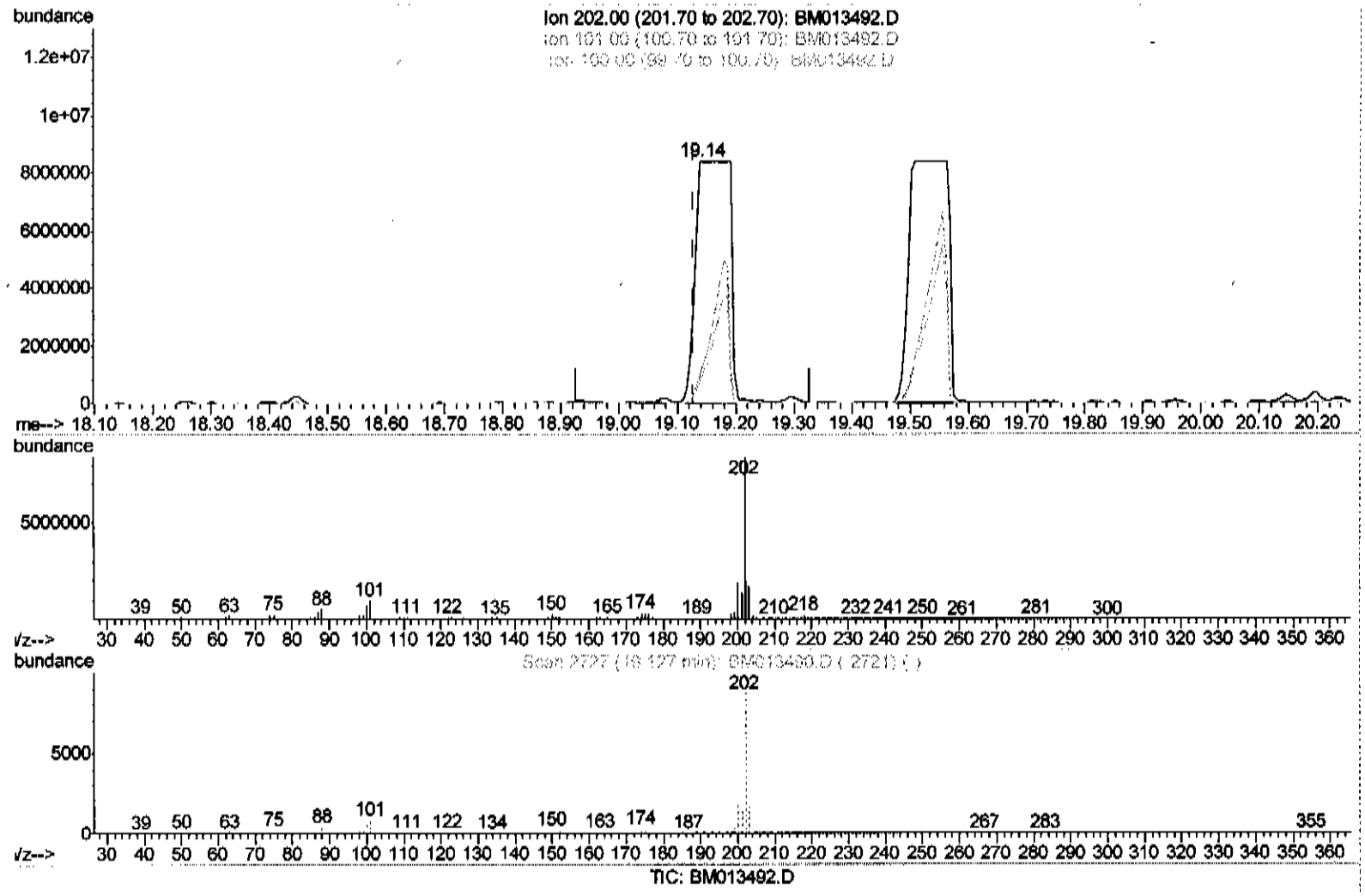
Ion	Exp%	Act%
202.00	100	100
101.00	5.80	30.35#
100.00	4.30	18.91#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:32:43 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



(74) Fluoranthene (C)

19.139min (+0.011) 428.50ng/ul m SJ 12/19/17

response 34201896

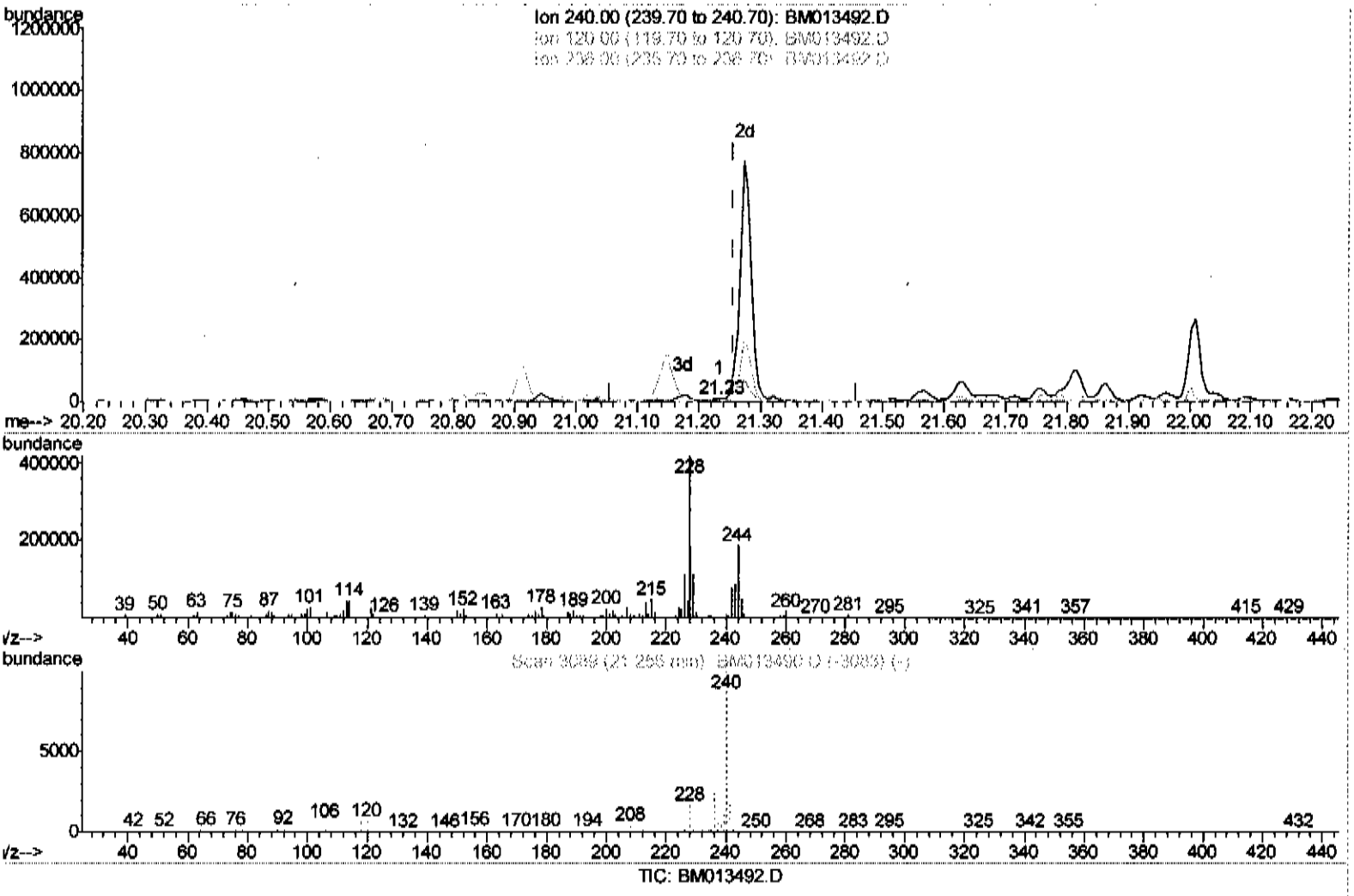
Ion	Exp%	Act%
202.00	100	100
101.00	5.80	10.98#
100.00	4.30	8.77#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:32:43 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



(75) Chrysene-d12 (I)

21.233min (-0.024) 20.00ng/ul

response 12489

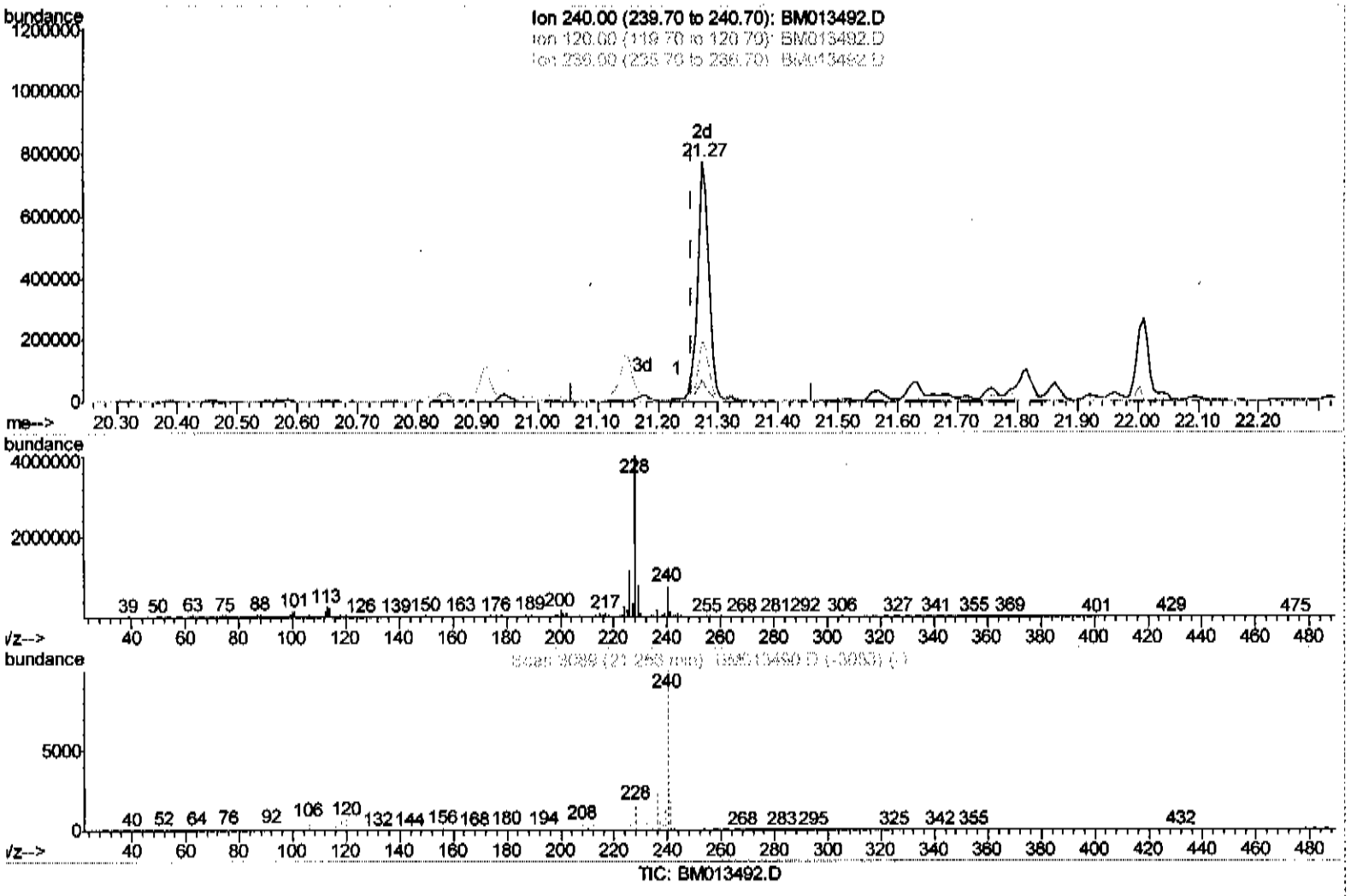
Ion	Exp%	Act%
240.00	100	100
120.00	4.60	19.26#
236.00	24.80	38.05#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:32:43 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



(75) Chrysene-d12 (I)

21.274min (+0.017) 20.00ng/ul m SJ 12/19/17

response 1021851

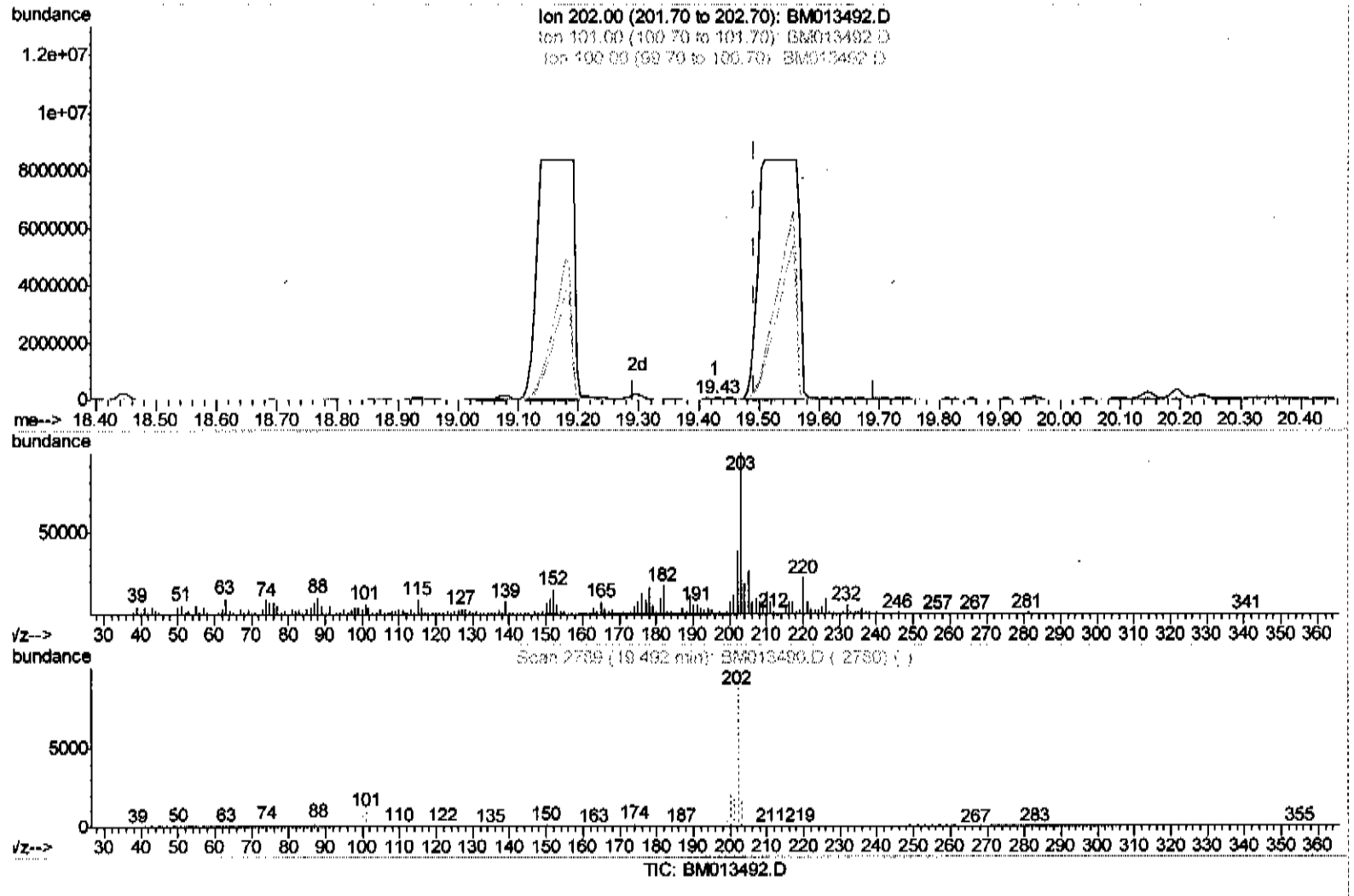
Ion	Exp%	Act%
240.00	100	100
120.00	4.60	9.00#
236.00	24.80	24.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:43:27 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



(77) Pyrene

19.427min (-0.065) 1.32ng/ul

response 82253

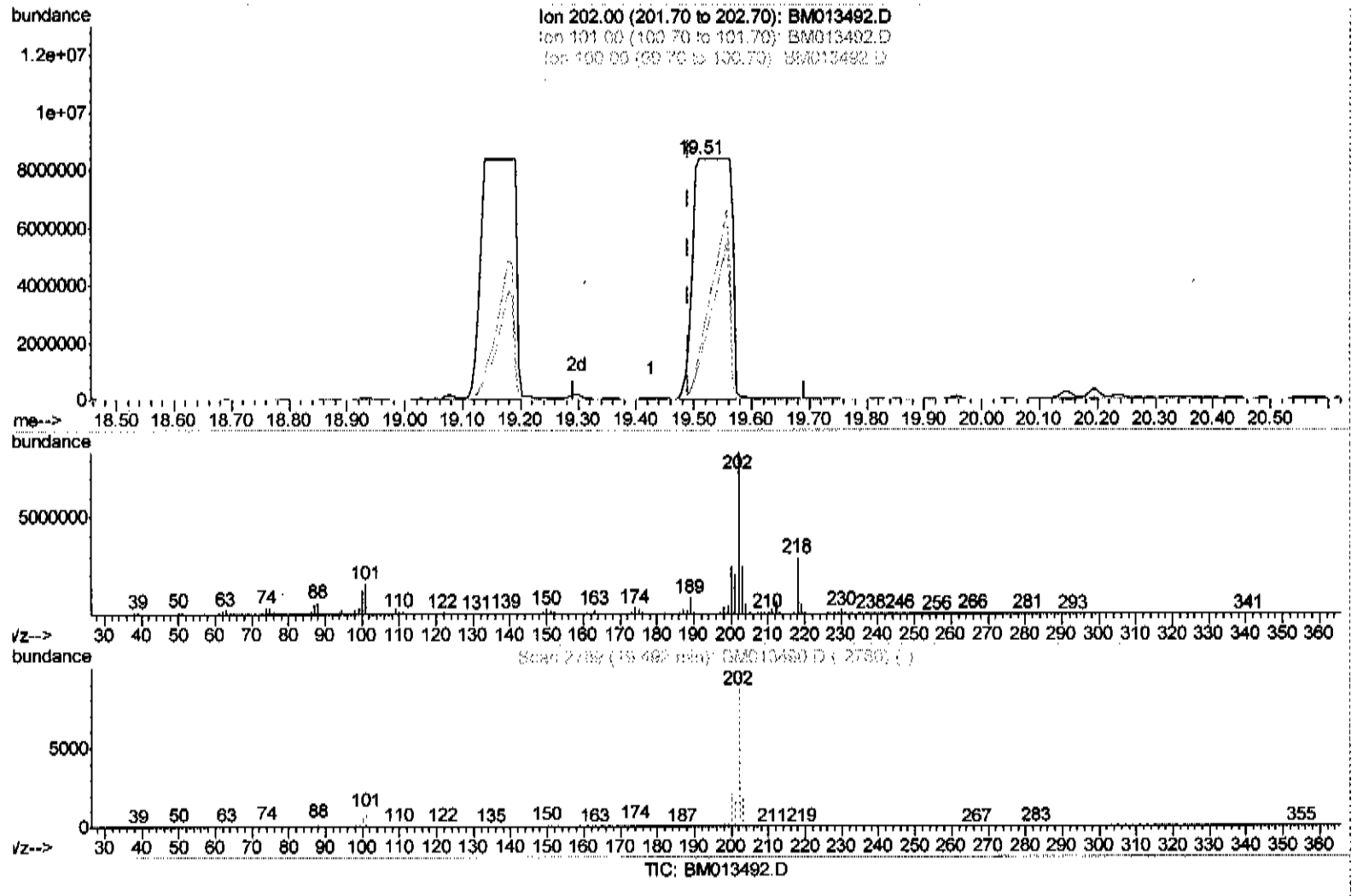
Ion	Exp%	Act%
202.00	100	100
101.00	6.40	28.16#
100.00	6.10	7.11
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:43:27 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



(77) Pyrene

19.509min (+0.017) 608.44ng/ul m SJ 12/19/17

response 37772251

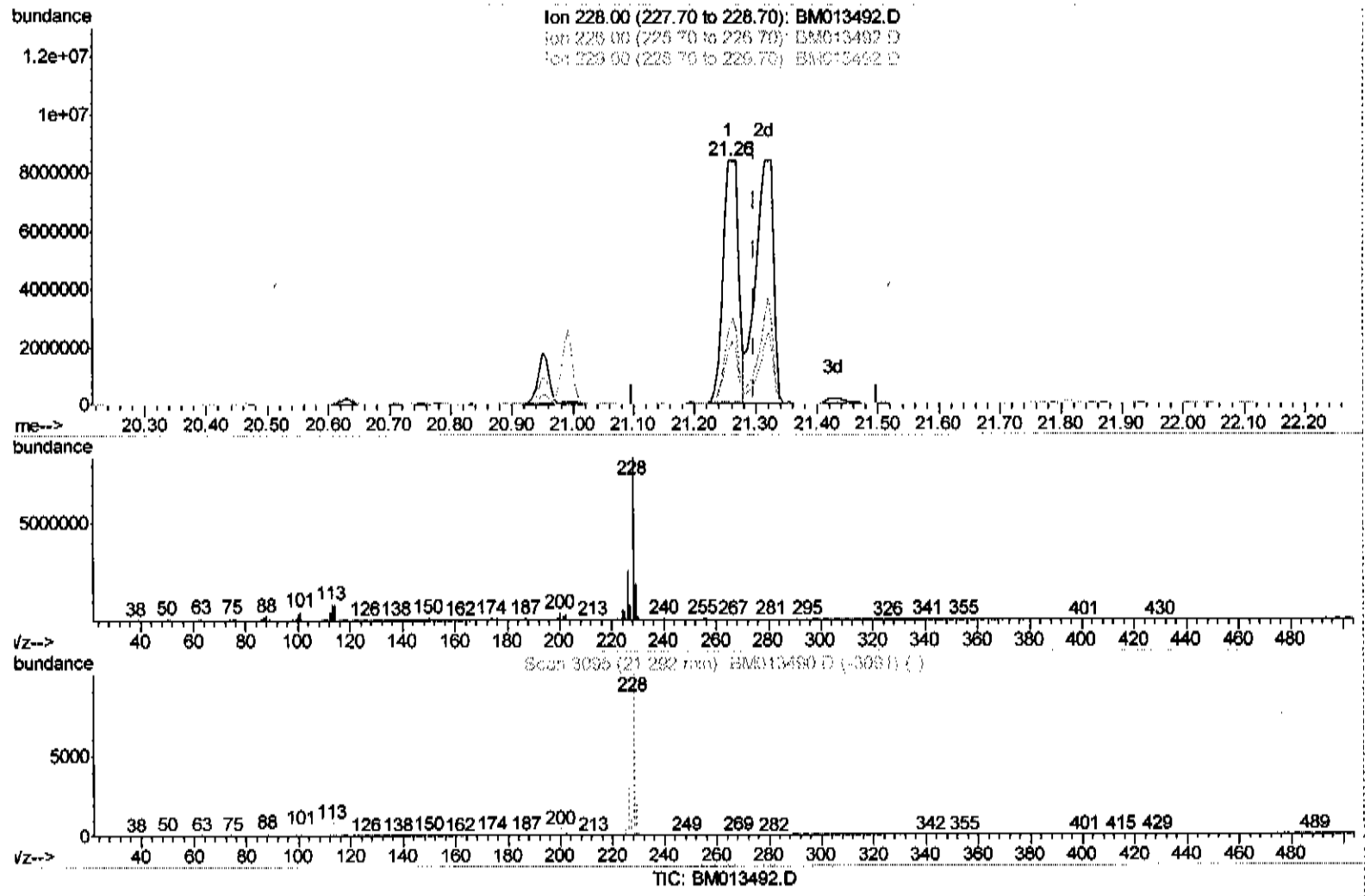
Ion	Exp%	Act%
202.00	100	100
101.00	6.40	18.69#
100.00	6.10	14.98#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:43:27 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



(82) Chrysene

21.256min (-0.041) 248.36ng/ul

response 14938543

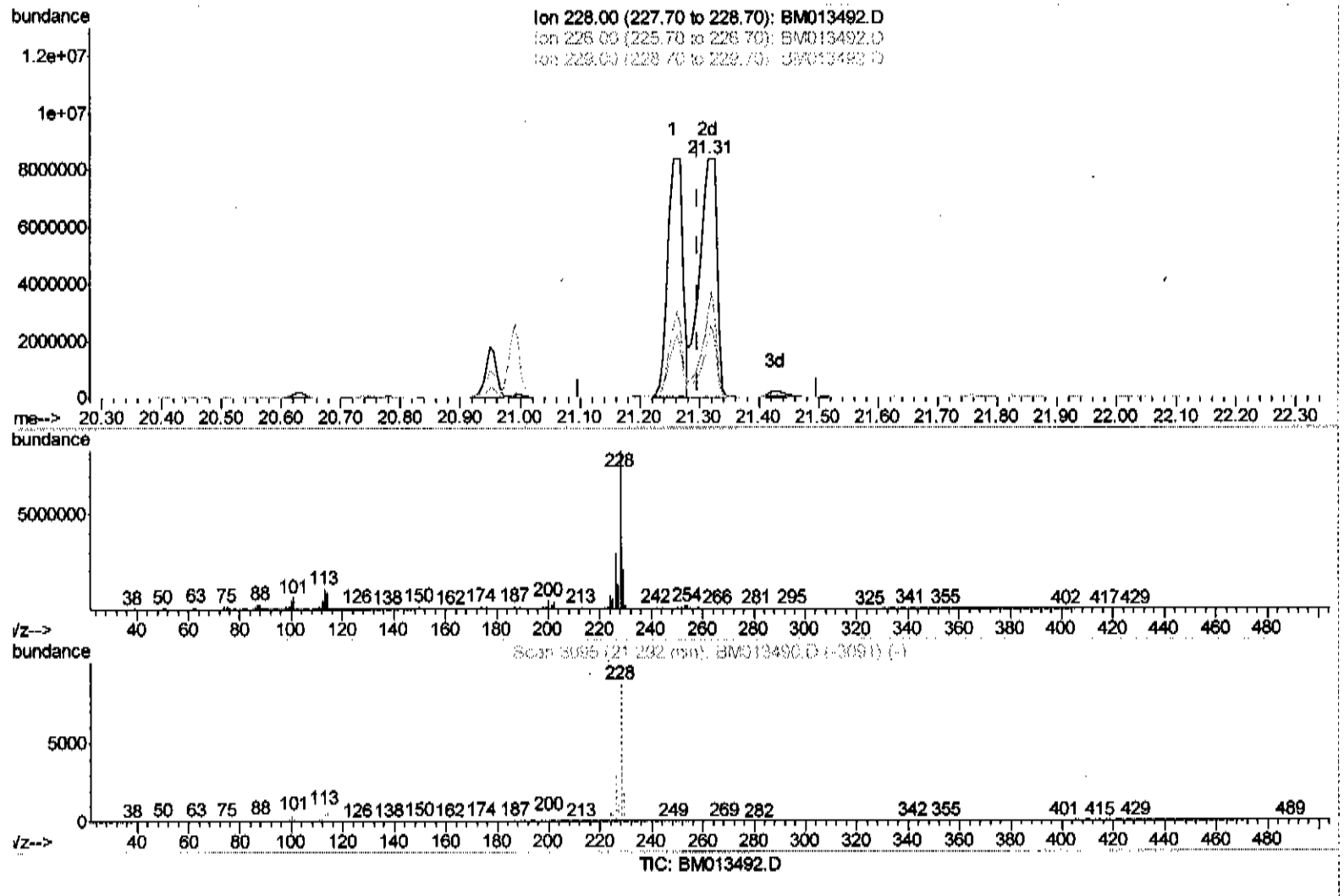
Ion	Exp%	Act%
228.00	100	100
226.00	29.30	29.84
229.00	19.40	22.13
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:43:27 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM



(82) Chrysene

21.315min (+0.017) 282.27ng/ul m SJ 12/19/17

response 16978367

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	35.81#
229.00	19.40	24.98#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 16:45:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : F9A56ME

Manual Integrations APPROVED
Sohil
12/19/2017 4:56:12 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	186557	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	821096	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	485180	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	1146464	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1021851m	20.00	ng/ul	0.02
83) Perylene-d12	23.49	264	831636	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	18144	4.82	ng/uL	0.00
5) Phenol-d5	6.85	99	456221	28.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	270528	29.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	372445	29.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	405676	29.42	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	199136	30.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	219894	31.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	430013	29.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	355388	26.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1433929	33.21	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	1809415	33.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	207648	27.68	ng/ul	0.00
57) Fluorene-d10	15.32	176	1271772	34.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	138484	19.20	ng/ul	0.00
70) Anthracene-d10	17.16	188	2057607	35.84	ng/ul	0.00
76) Pyrene-d10	19.50	212	2251504	44.23	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.35	264	1484697	35.05	ng/ul	0.01
Target Compounds						Qvalue
44) Dimethylphthalate	13.78	163	212223	5.139	ng/ul	98
47) Acenaphthylene	14.04	152	656137	13.308	ng/ul	99
49) Acenaphthene	14.38	153	34619	1.031	ng/ul	94
58) Fluorene	15.37	166	48380	1.179	ng/ul	92
68) Pentachlorophenol	16.72	266	88960	10.349	ng/ul	97
69) Phenanthrene	17.11	178	454835	6.983	ng/ul	99
71) Anthracene	17.20	178	1465164	22.007	ng/ul	99
72) Carbazole	17.47	167	71363	1.246	ng/ul#	64
74) Fluoranthene	19.14	202	34201896m	428.496	ng/ul	
77) Pyrene	19.51	202	37772251m	608.442	ng/ul	
80) Benzo(a)anthracene	21.26	228	14938543	230.412	ng/ul	94
81) Bis(2-ethylhexyl)phthalate	21.18	149	51680	1.414	ng/ul	96
82) Chrysene	21.31	228	16978367m	282.269	ng/ul	
85) Benzo(b)fluoranthene	22.84	252	11612195	207.132	ng/ul#	97
86) Benzo(k)fluoranthene	22.87	252	3029544	57.424	ng/ul#	98
88) Benzo(a)pyrene	23.40	252	3037145	60.308	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.72	276	1763854	35.299	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.72	278	504776	11.864	ng/ul#	91
91) Benzo(g,h,i)perylene	26.40	276	1125003	28.543	ng/ul#	96

SJ 12/19/17

SJ 12/19/17

SJ 12/19/17

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