

Instrument :
BNA_M
ClientSampleId :
F9A79

Sohil
12/15/2017 6:49:12 PM

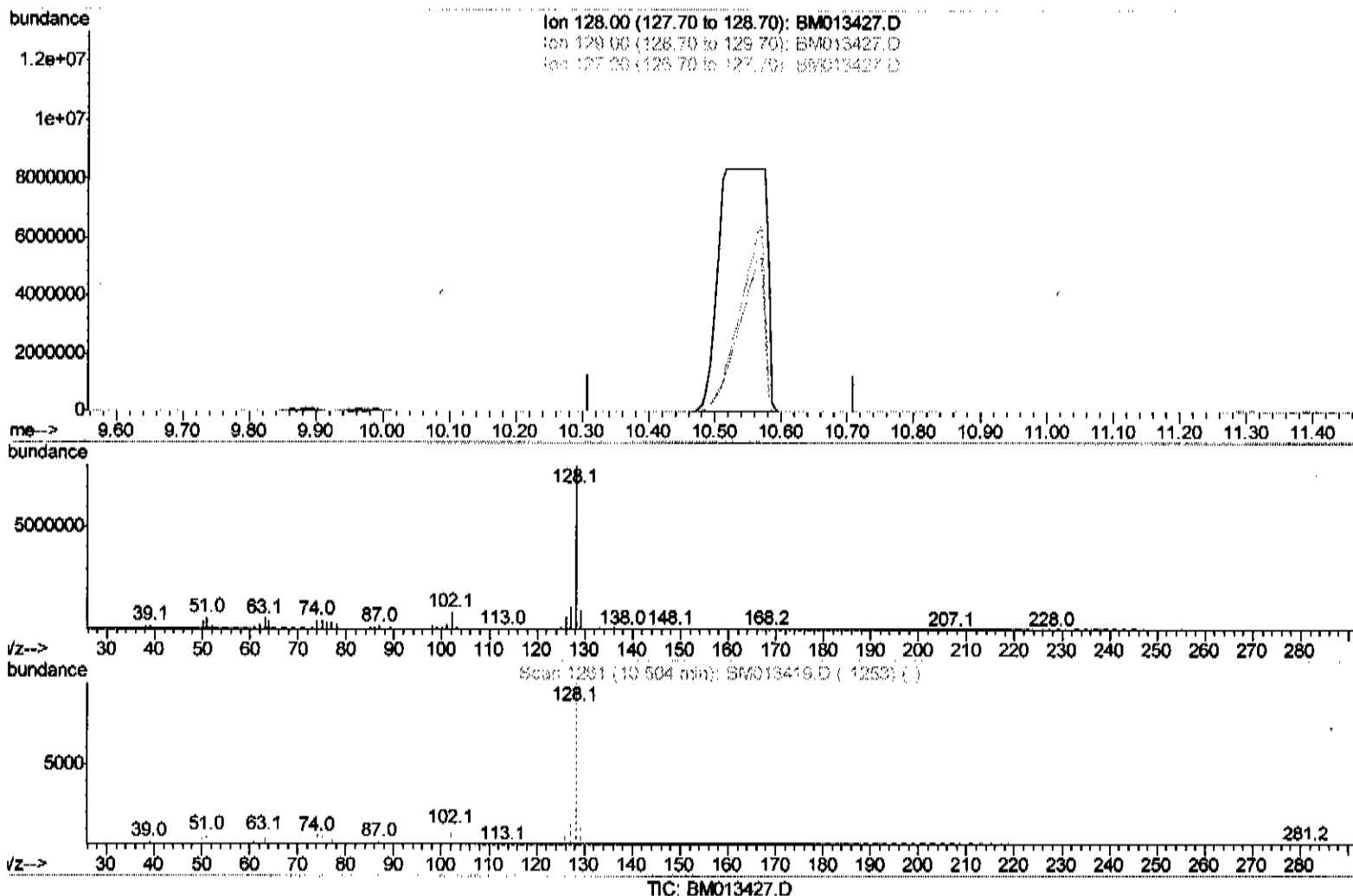
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013427.D
 Acq On : 15 Dec 2017 06:36
 Operator : SJ/JU
 Sample : I6778-14 30X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
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Manual Integrations
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Sohil
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Quant Time: Dec 15 10:02:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 OLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration



(28) Naphthalene

10.510min (-10.510) 0.00ng/ul

response 0

Ion	Exp%	Act%
128.00	100	0.00
129.00	11.00	0.00#
127.00	13.30	0.00#
0.00	0.00	0.00

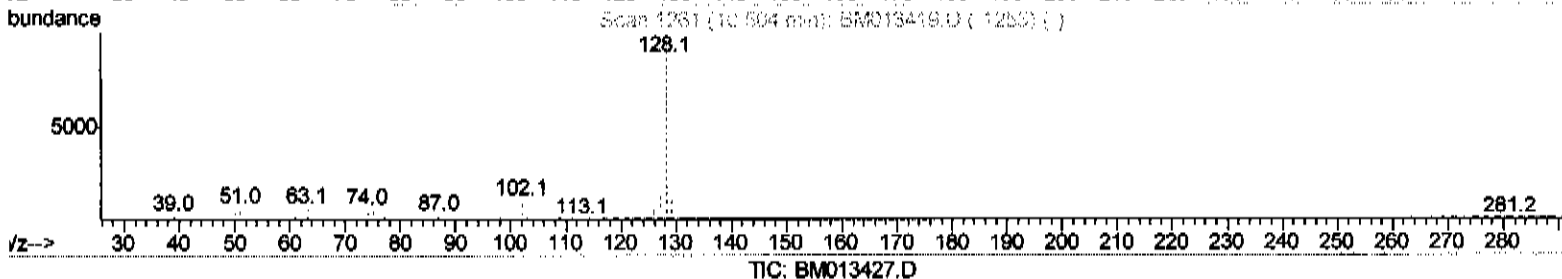
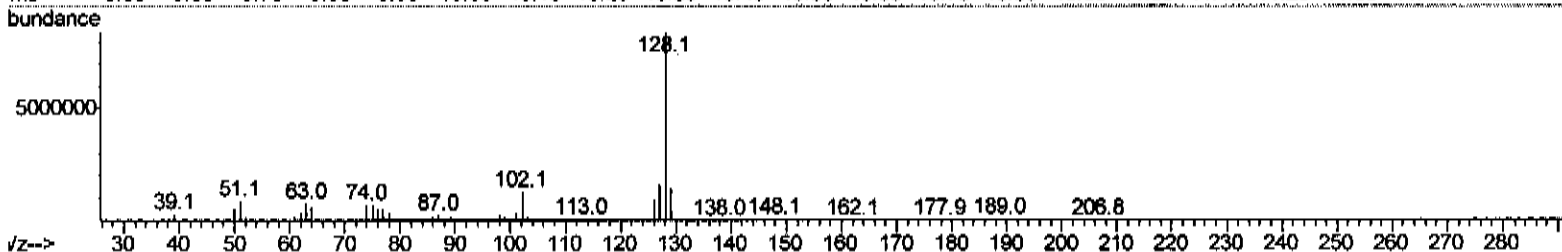
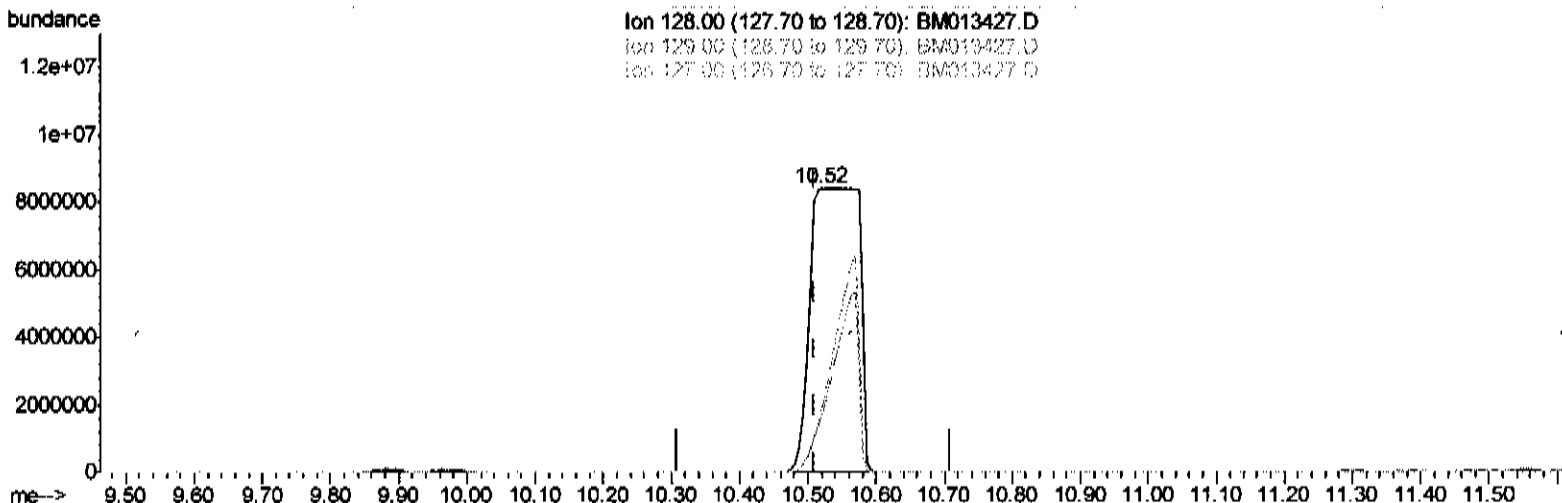
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(28) Naphthalene

10.516min (+0.006) 804.76ng/ul m

response 41141019

Ion	Exp%	Act%
128.00	100	100
129.00	11.00	16.22#
127.00	13.30	18.54#
0.00	0.00	0.00

Dec 12/18/17

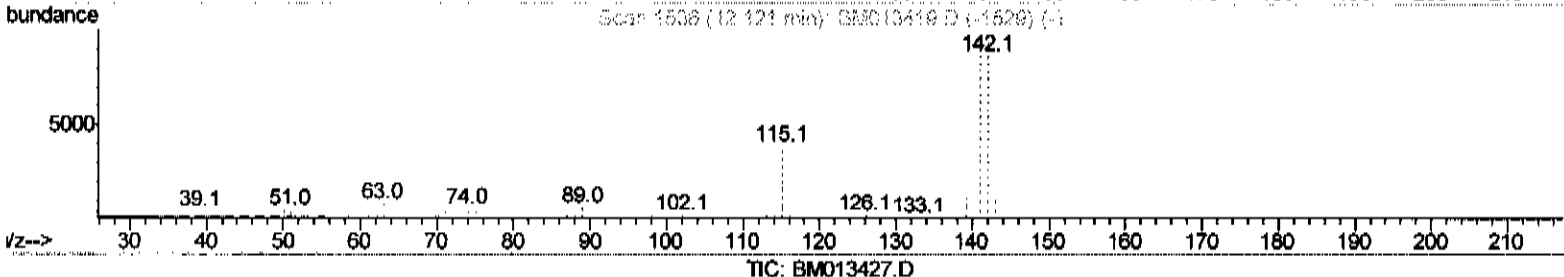
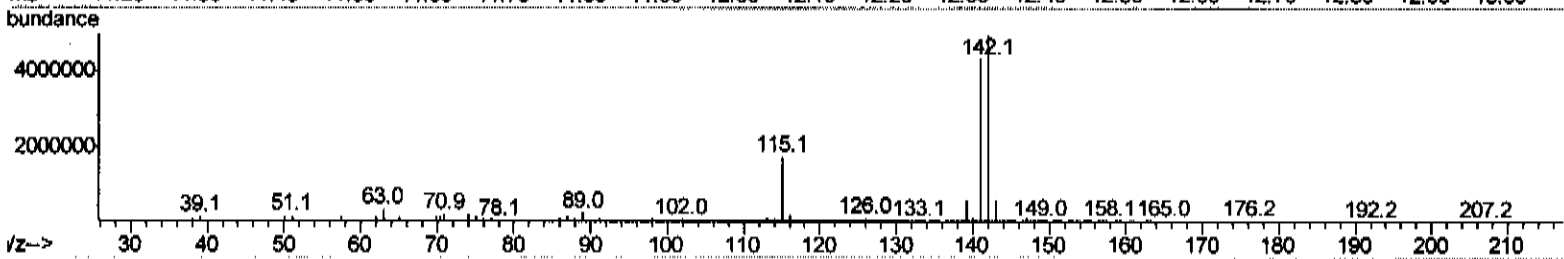
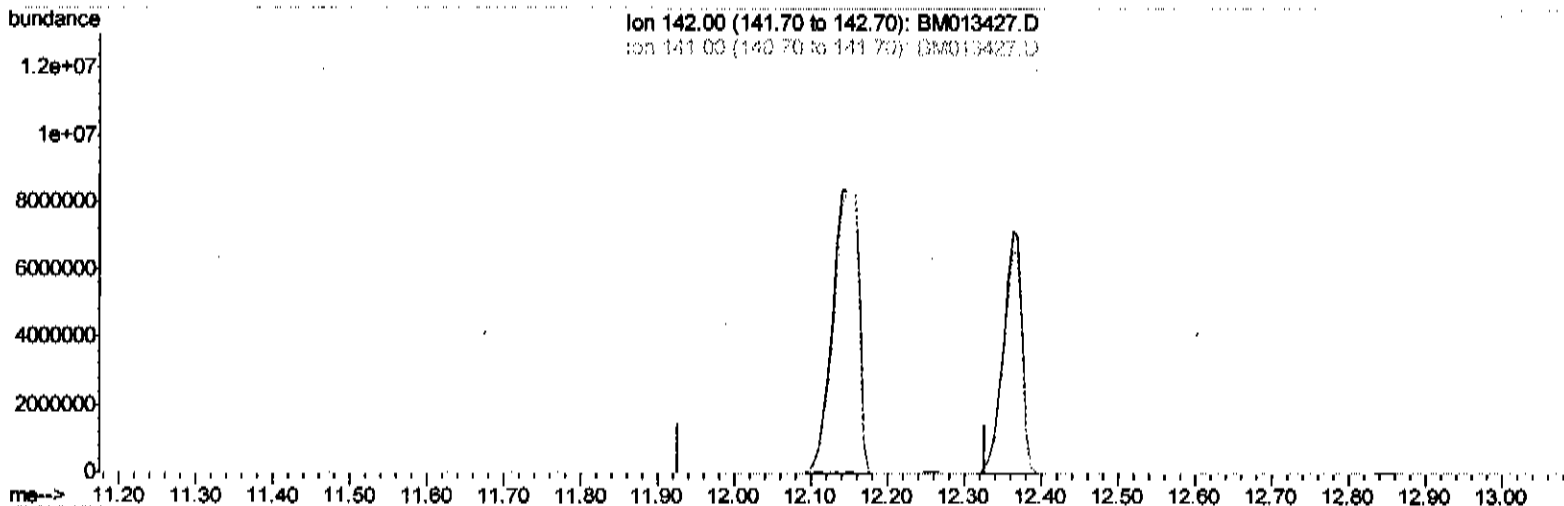
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(34) 2-Methylnaphthalene

12.128min (-12.128) 0.00ng/ul

response 0

Ion	Exp%	Act%
142.00	100	0.00
141.00	92.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

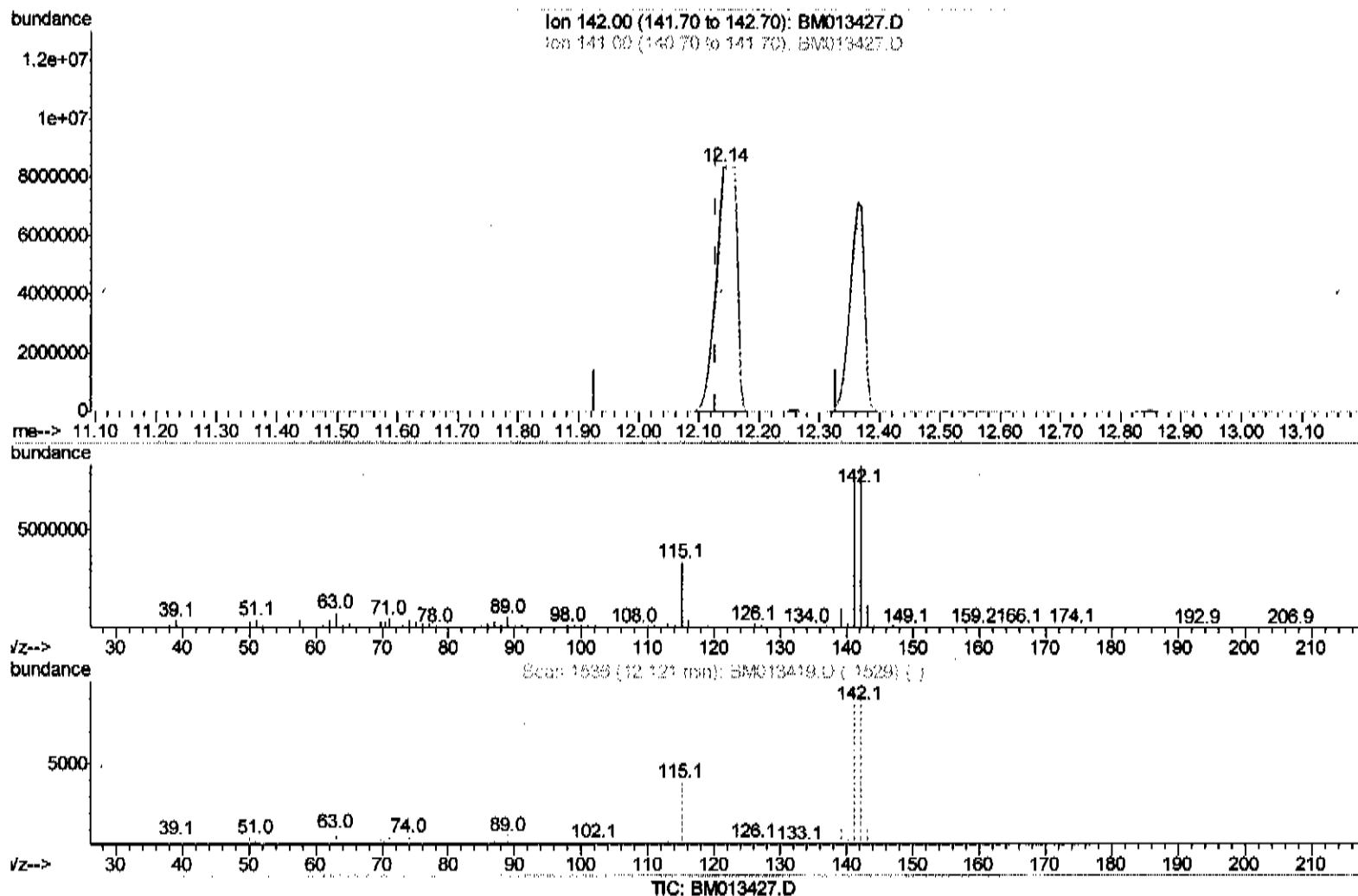
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(34) 2-Methylnaphthalene

12.139min (+0.012) 518.96ng/ul m

response 19943403

Ion	Exp%	Act%
142.00	100	100
141.00	92.60	94.21
0.00	0.00	0.00
0.00	0.00	0.00

SJ 12/18/17

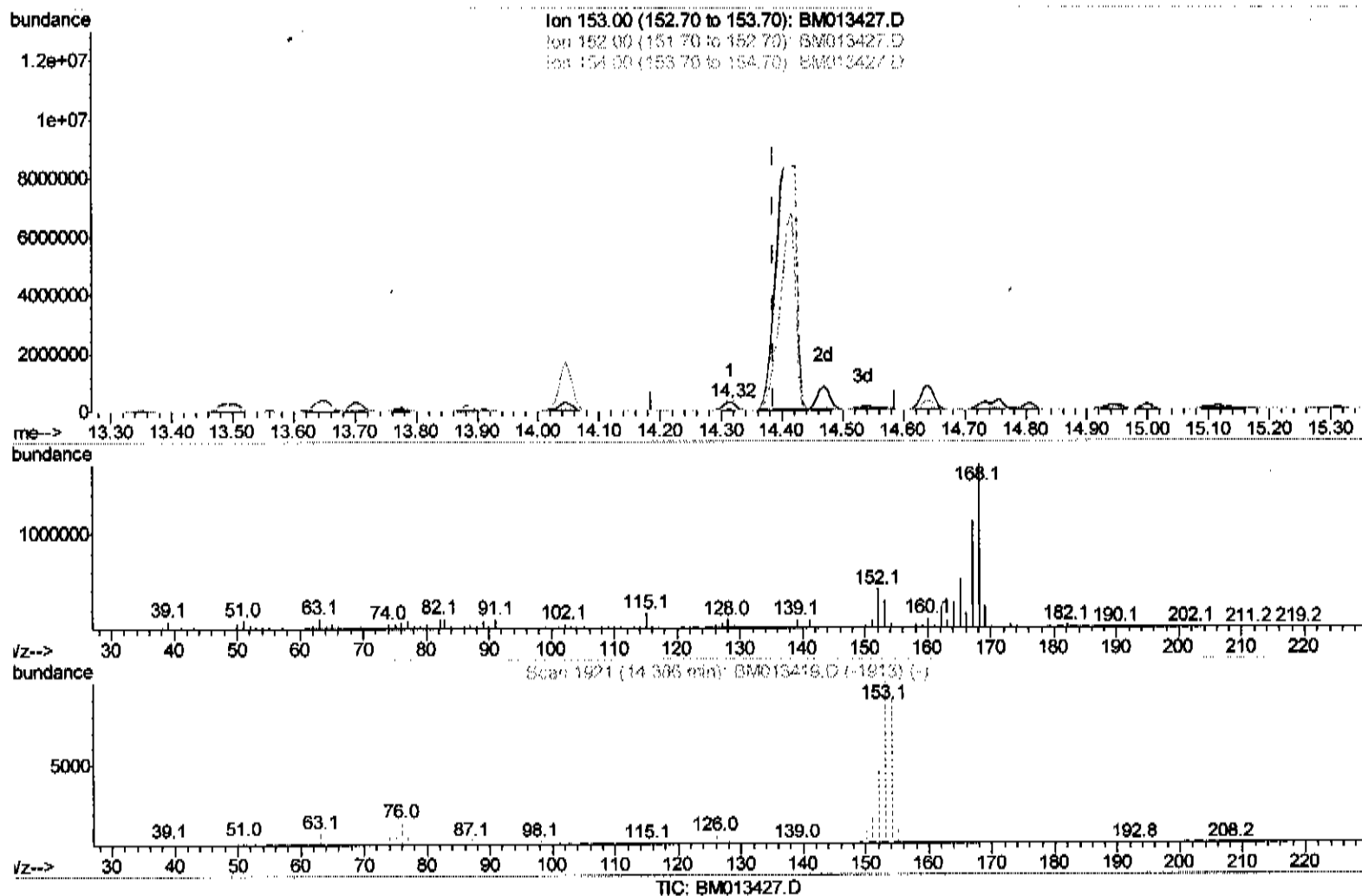
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(49) Acenaphthene (C)

14.316min (-0.071) 9.10ng/ul

response 392575

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	142.70#
154.00	88.00	12.08#
0.00	0.00	0.00

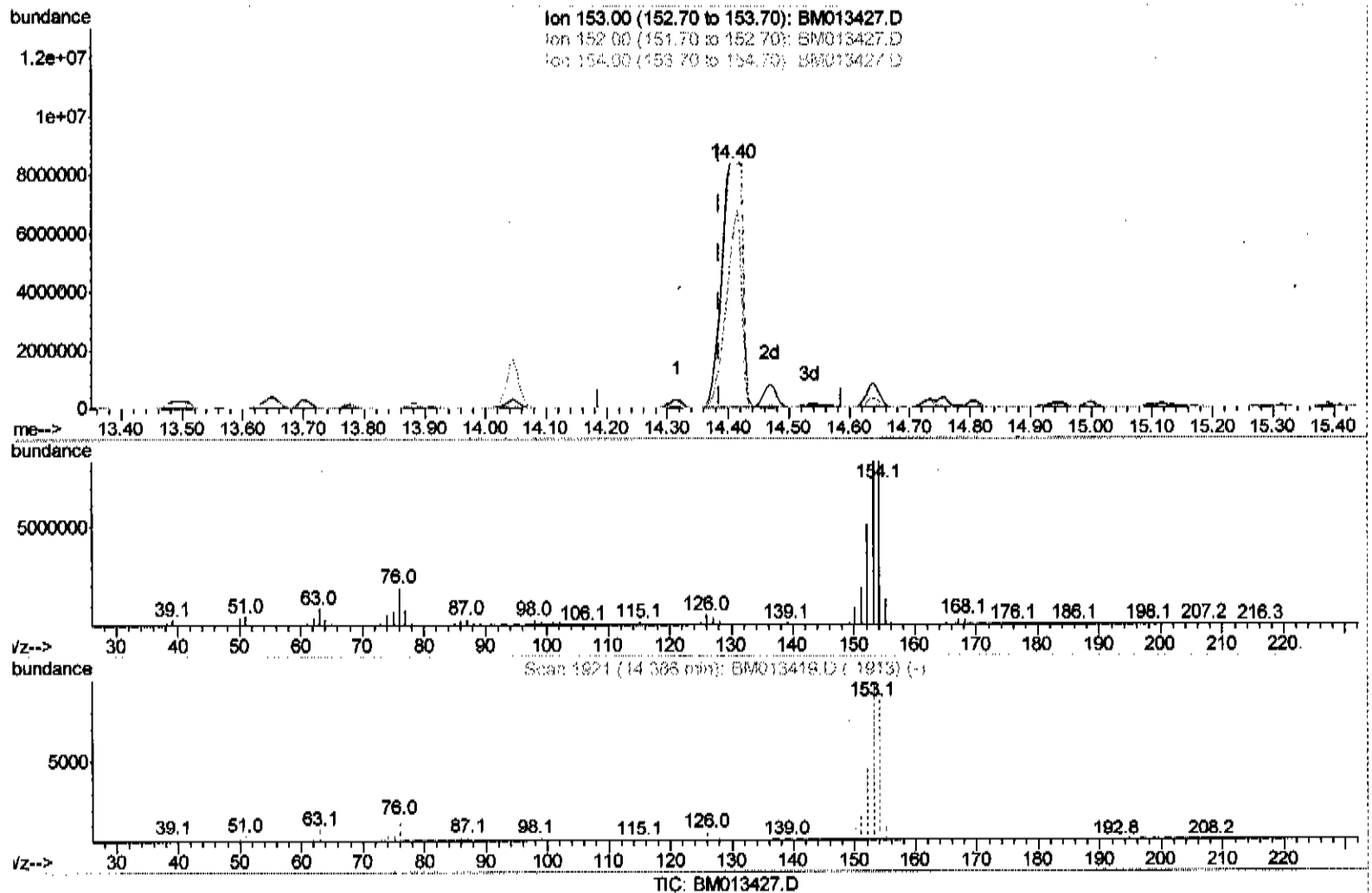
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(49) Acenaphthene (C)

14.404min (+0.018) 459.34ng/ul m

response 19822326

Ion	Exp%	Act%
153.00	100	100
152.00	47.00	60.05#
154.00	88.00	100.00
0.00	0.00	0.00

SJ 12/15/17

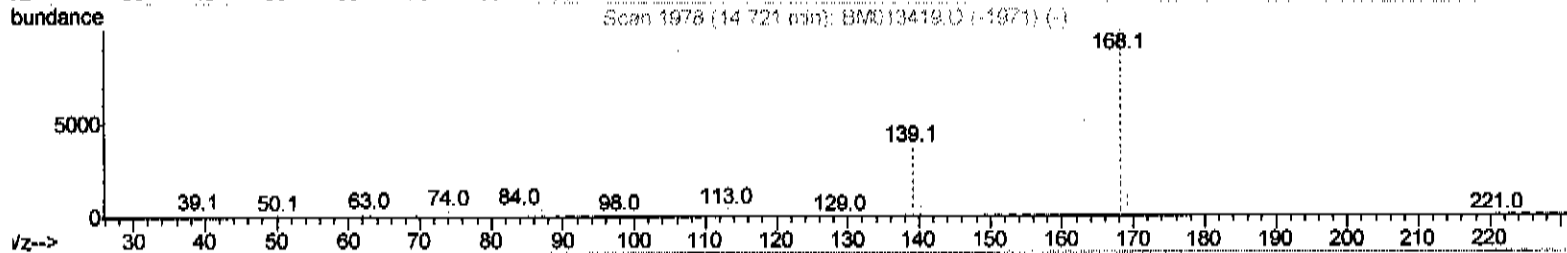
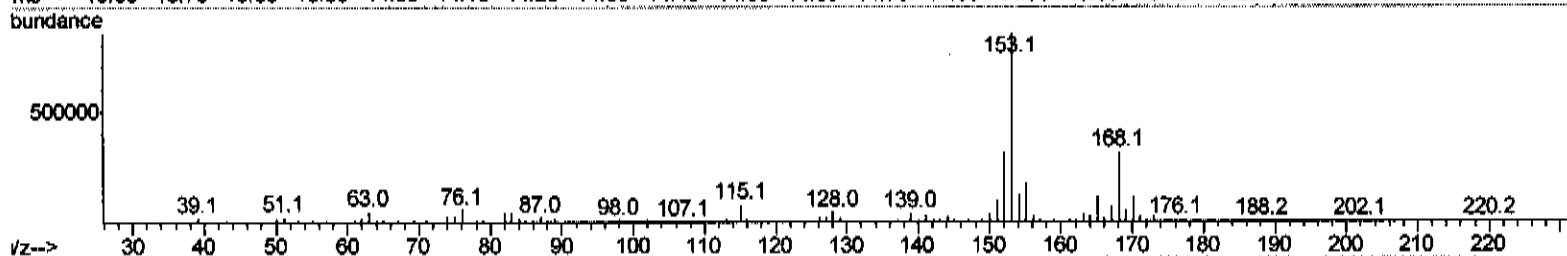
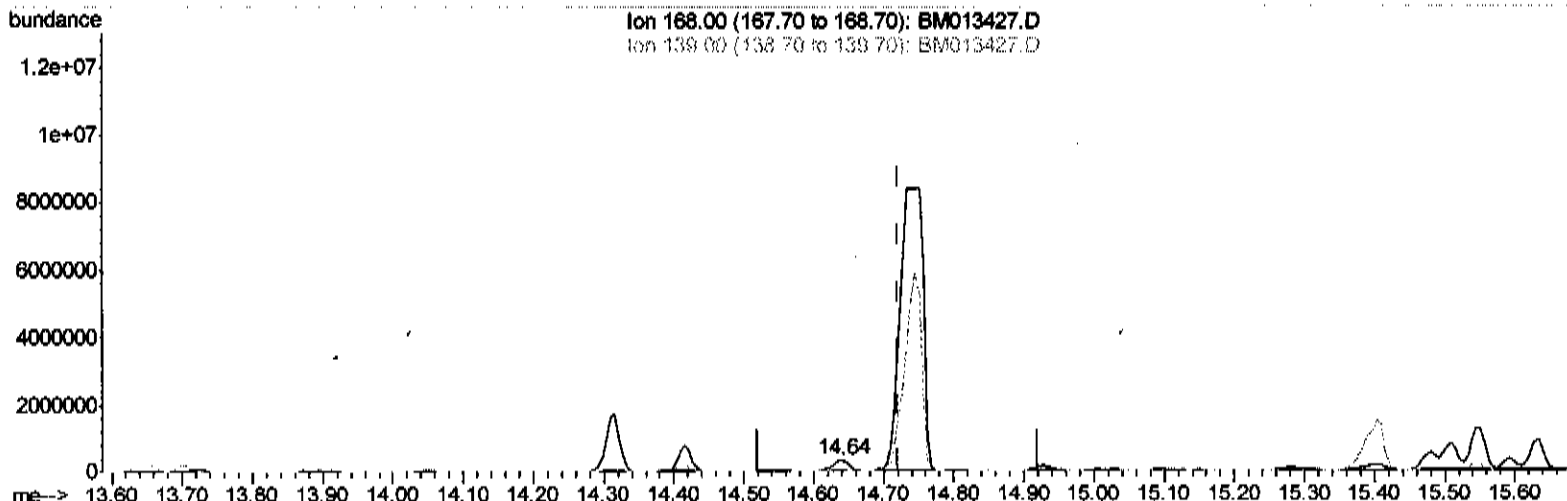
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TIC: BM013427.D

(53) Dibenzofuran

14.639min (-0.082) 7.49ng/ui

response 477061

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	11.78#
0.00	0.00	0.00
0.00	0.00	0.00

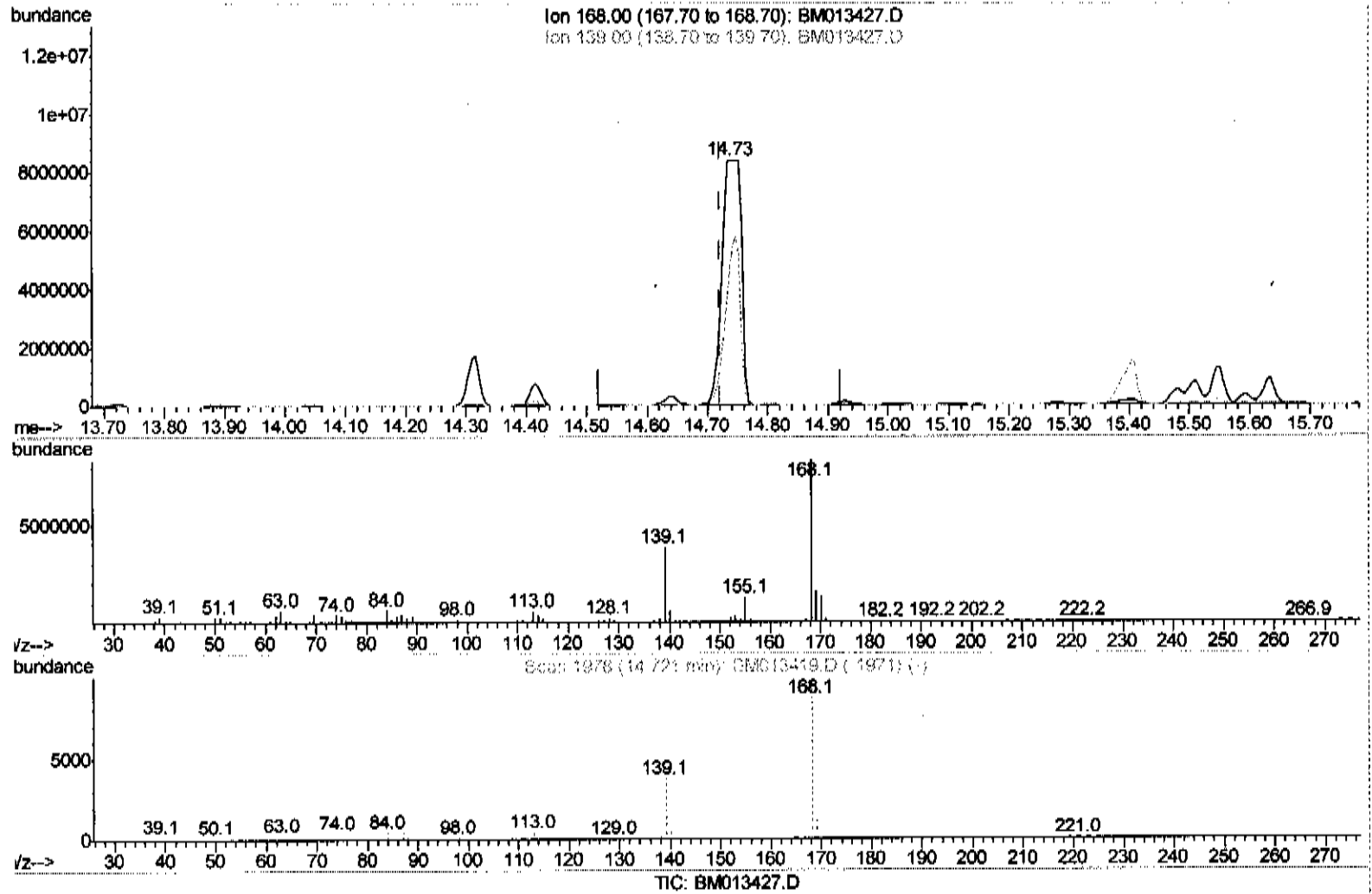
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
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(53) Dibenzofuran

14.733min (+0.012) 297.46ng/ul m

response 18950530

Ion	Exp%	Act%
168.00	100	100
139.00	38.50	45.50
0.00	0.00	0.00
0.00	0.00	0.00

Ju 12/18/17

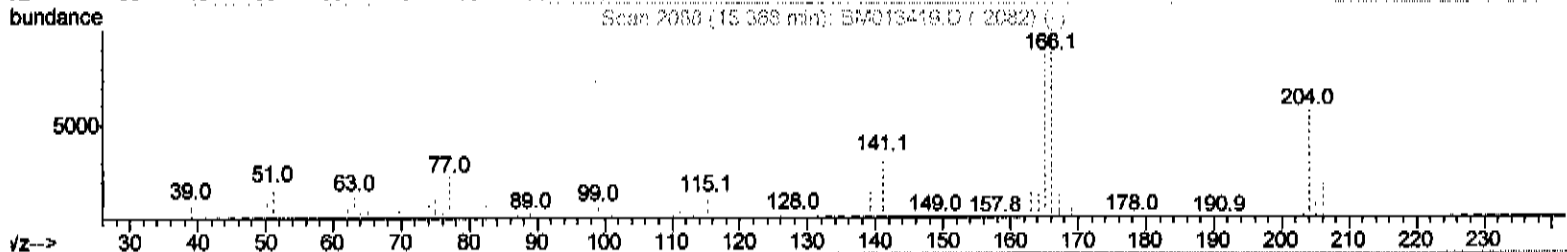
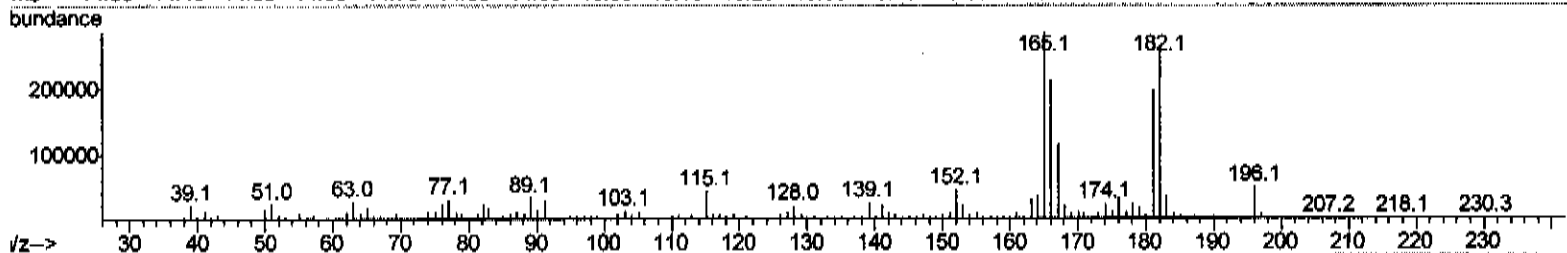
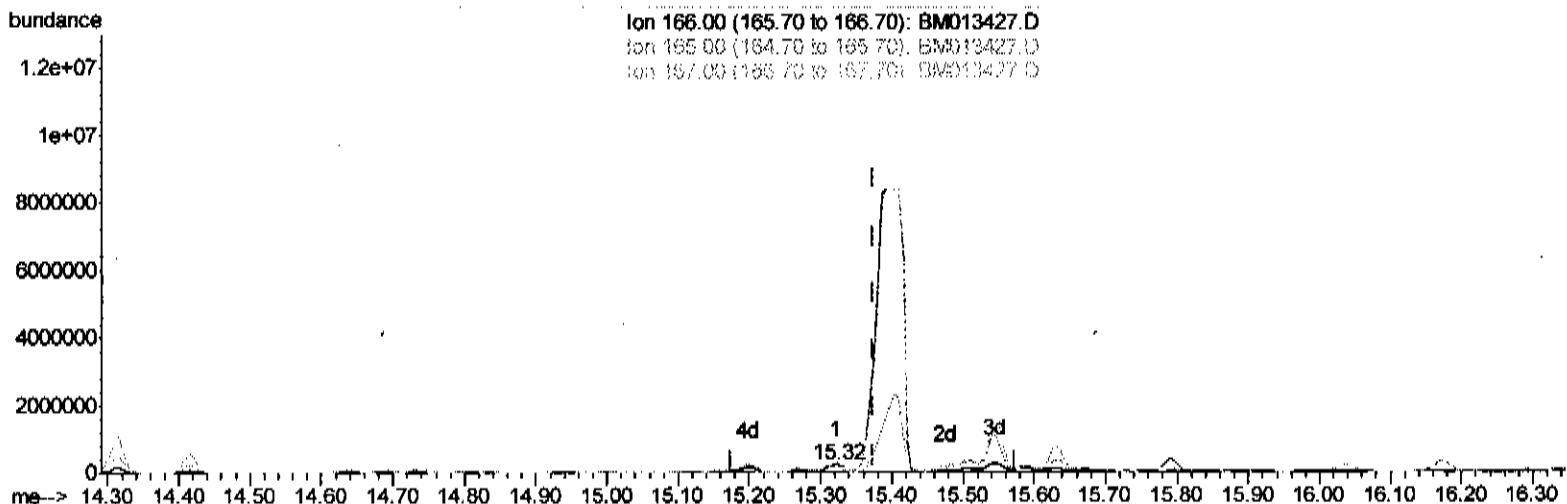
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(58) Fluorene

15.322min (-0.053) 6.39ng/ul

response 336603

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	135.53#
167.00	13.30	54.29#
0.00	0.00	0.00

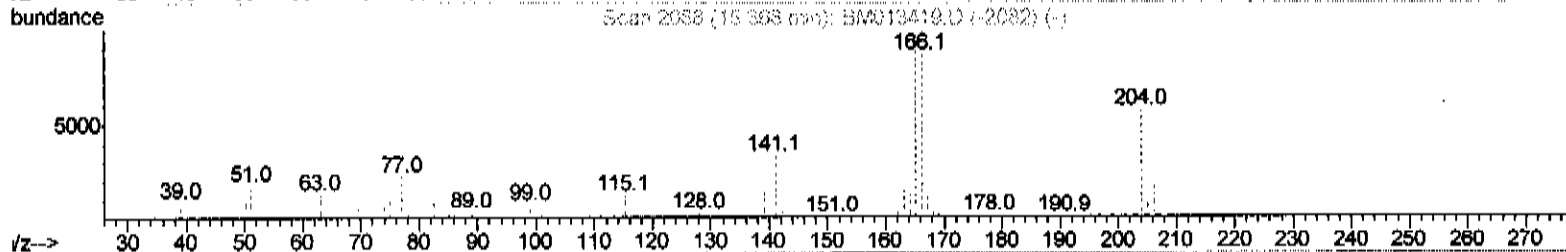
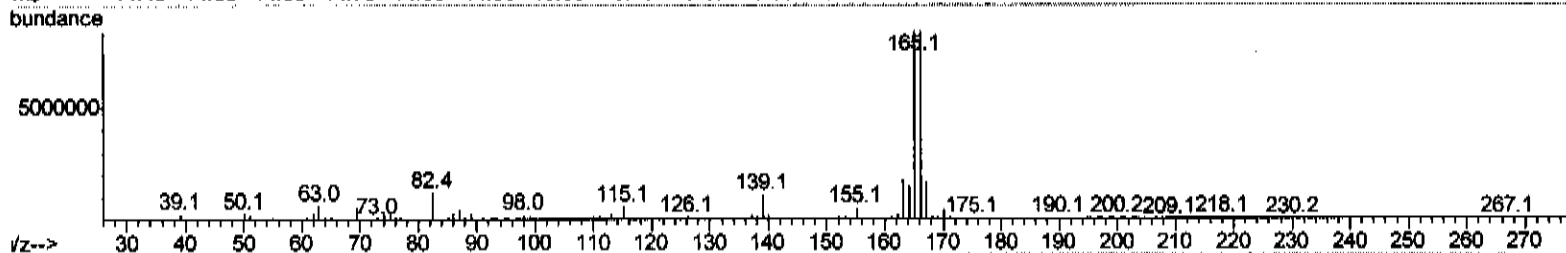
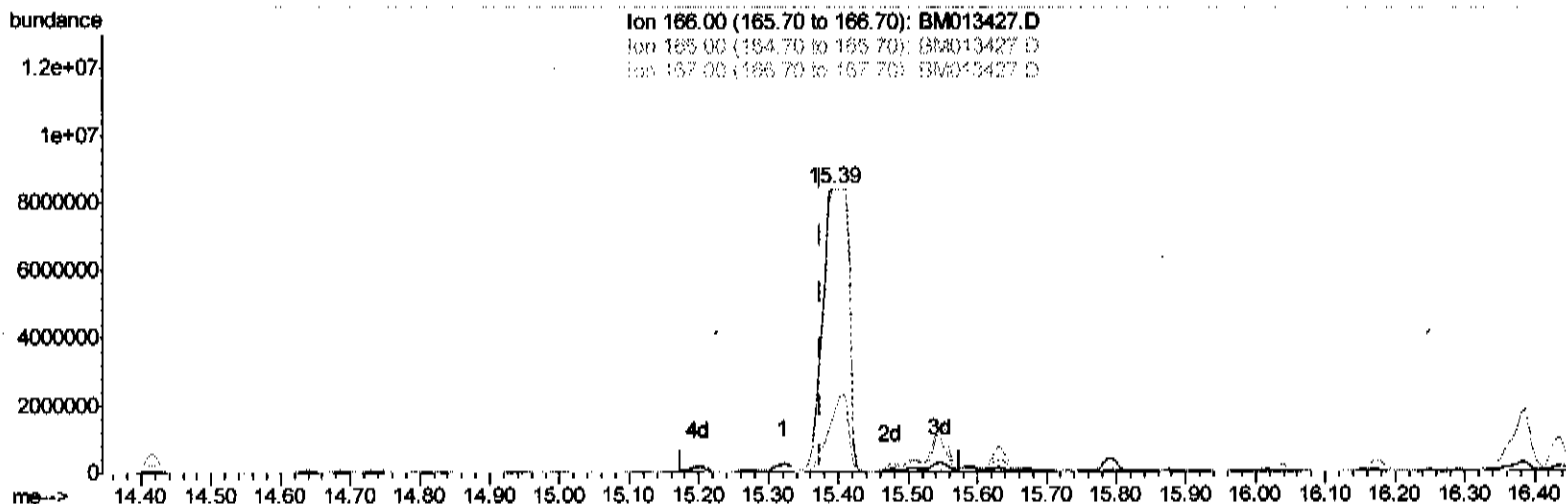
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TIC: BM013427.D

(58) Fluorene

15.392min (+0.018) 409.55ng/ul m

response 21584679

Ion	Exp%	Act%
166.00	100	100
165.00	97.40	100.00
167.00	13.30	19.89#
0.00	0.00	0.00

Jul 2/18/17

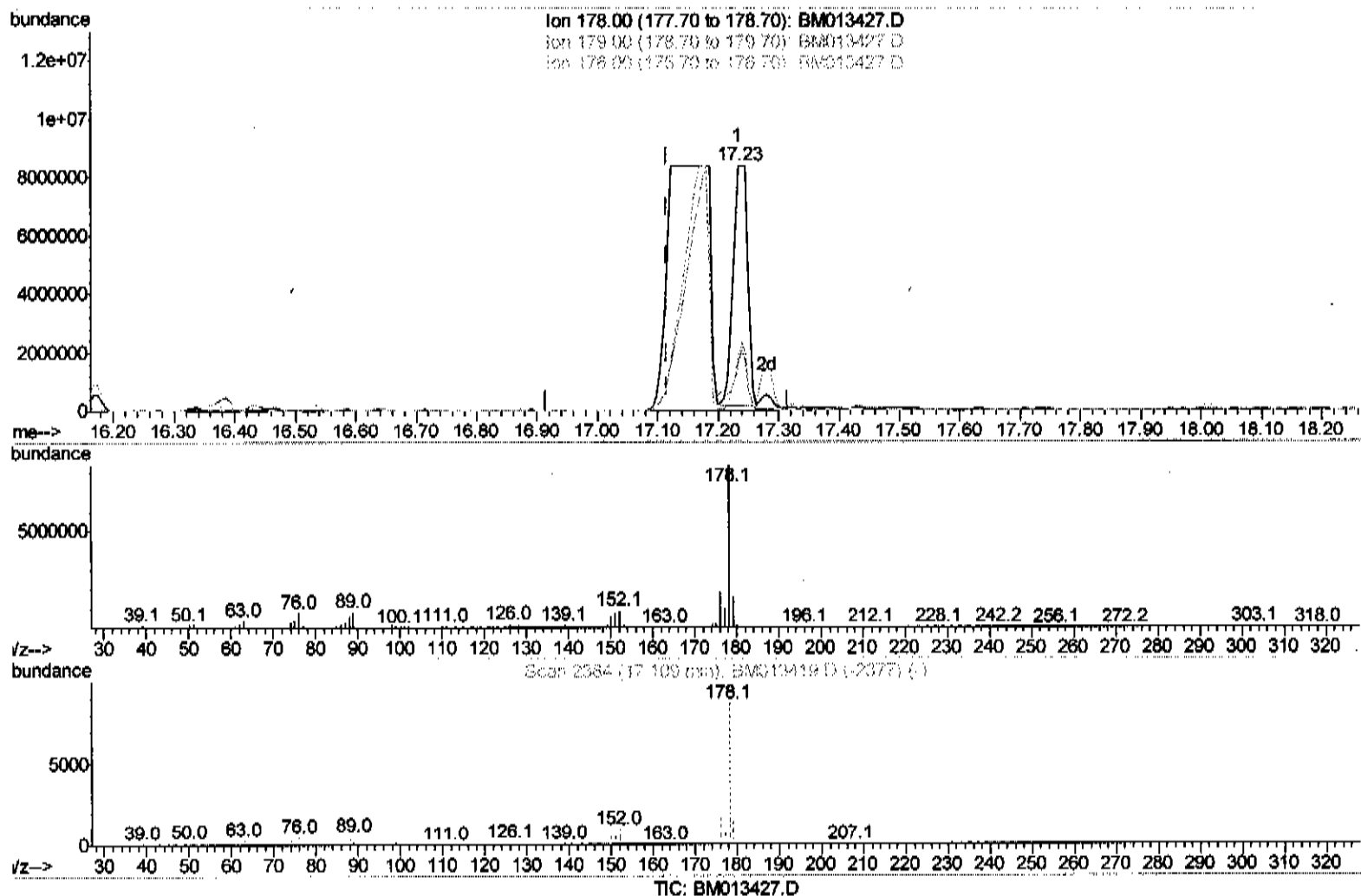
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(69) Phenanthrene

17.233min (+0.118) 194.79ng/ul

response 13799864

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	19.54#
176.00	18.60	21.75
0.00	0.00	0.00

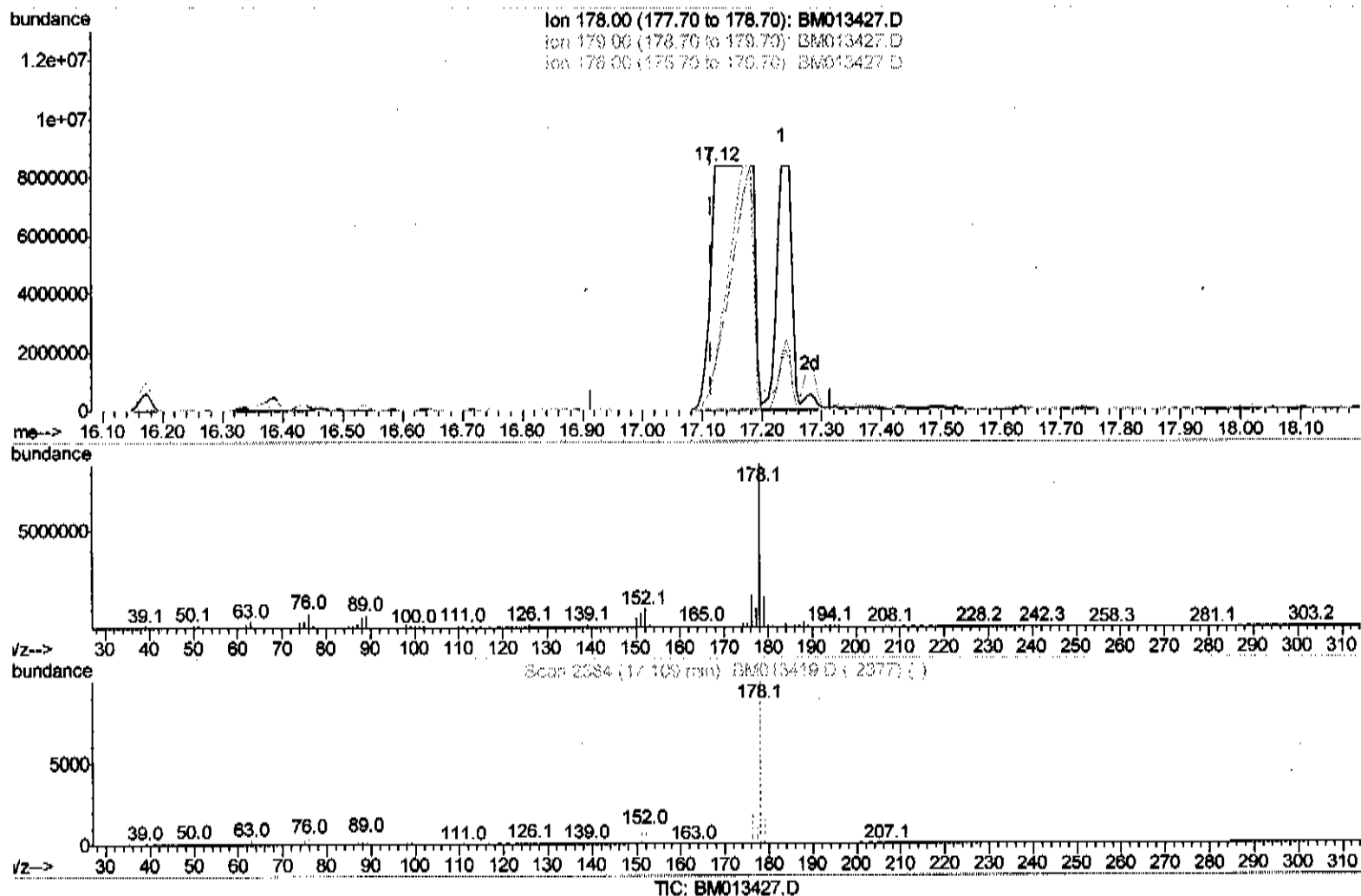
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(69) Phenanthrene

17.121min (+0.006) 564.64ng/ul m

response 40002667

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	18.68
176.00	18.60	20.17
0.00	0.00	0.00

ju 12/18/17

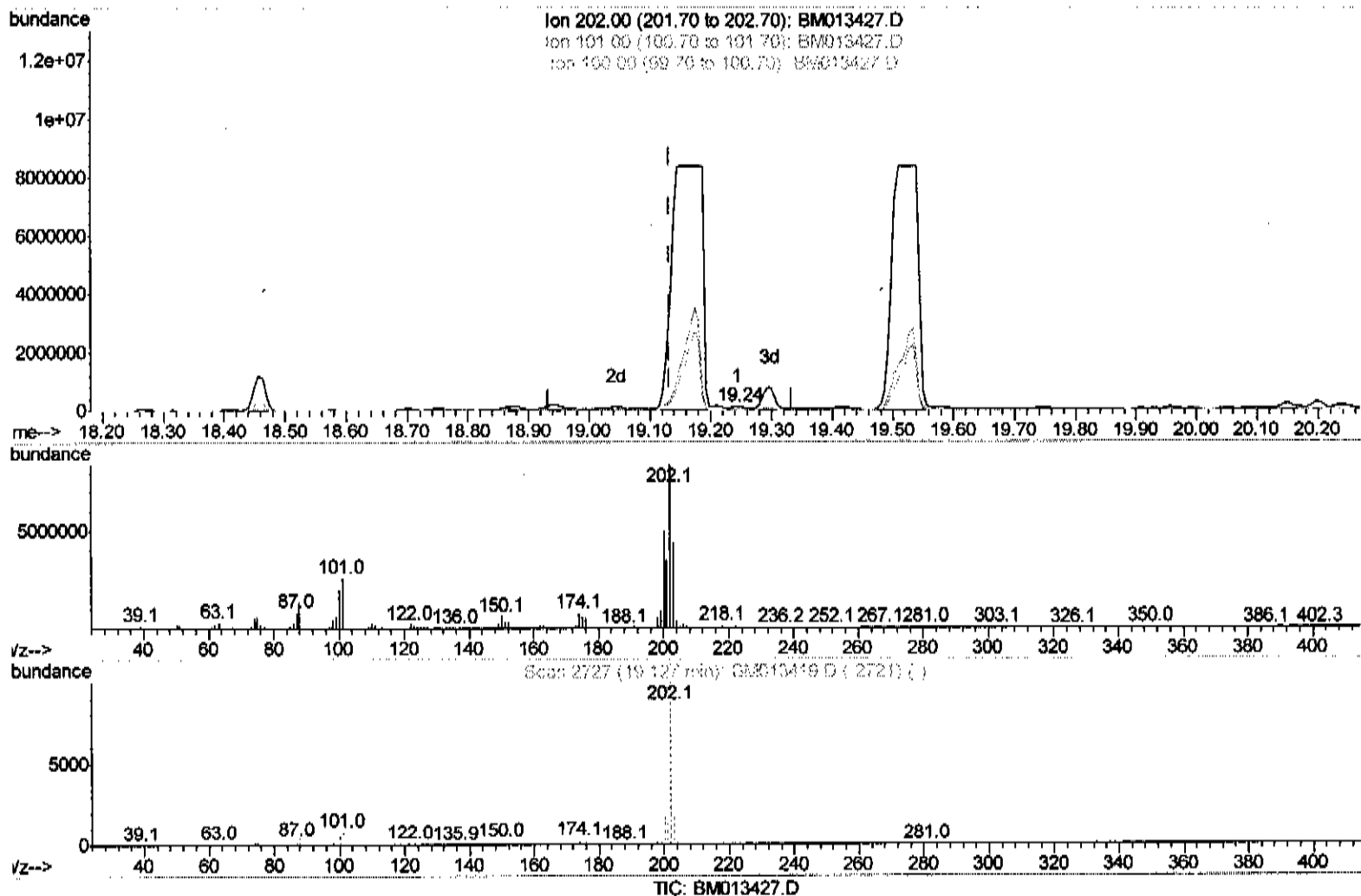
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(74) Fluoranthene (C)

19.245min (+0.112) 1.13ng/ul

response 98210

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	23.26#
100.00	4.30	8.05#
0.00	0.00	0.00

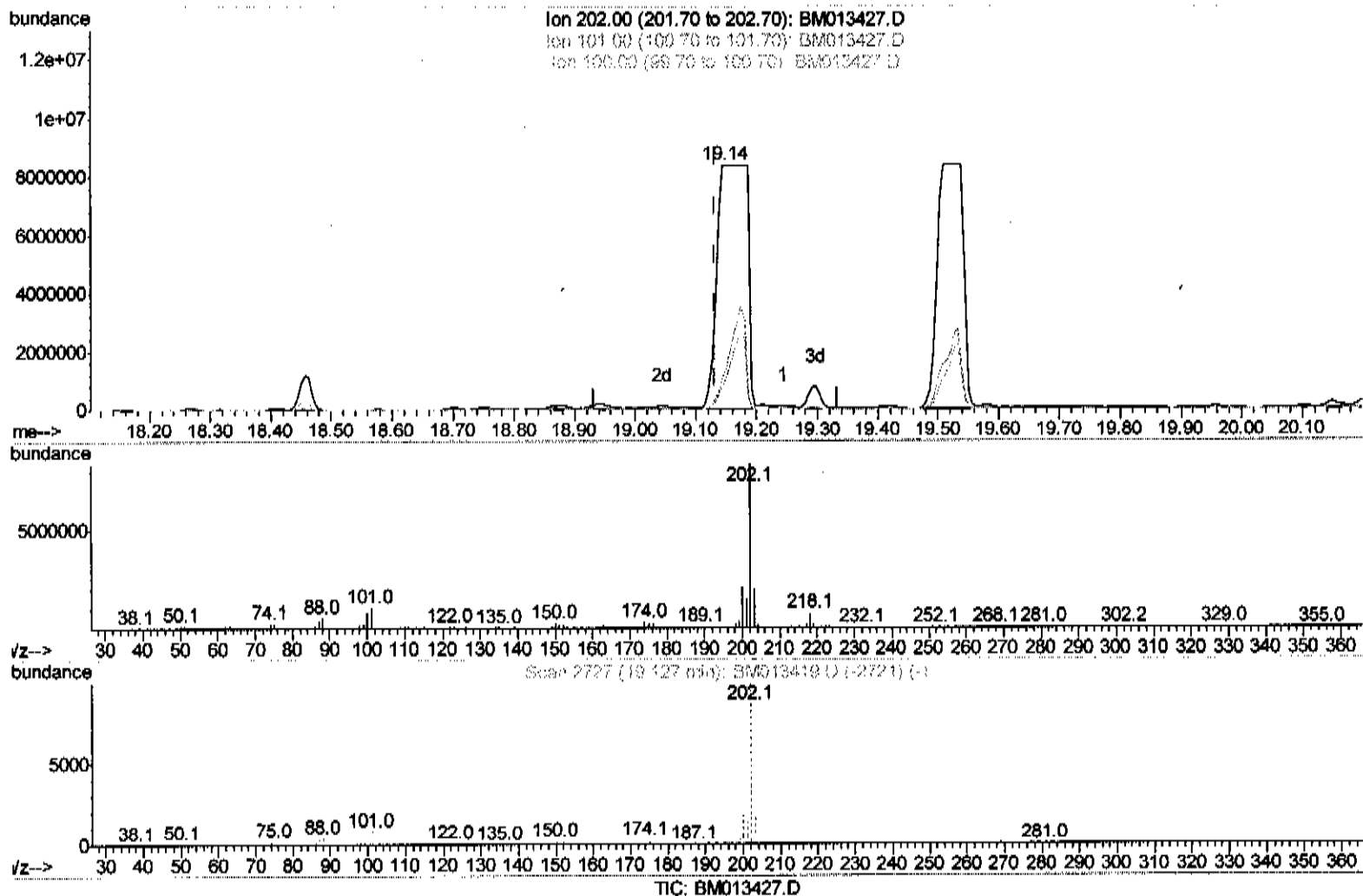
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(74) Fluoranthene (C)

19.145min (+0.012) 329.66ng/ul m

response 28621447

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	12.53#
100.00	4.30	9.64#
0.00	0.00	0.00

SJ 12/15/17

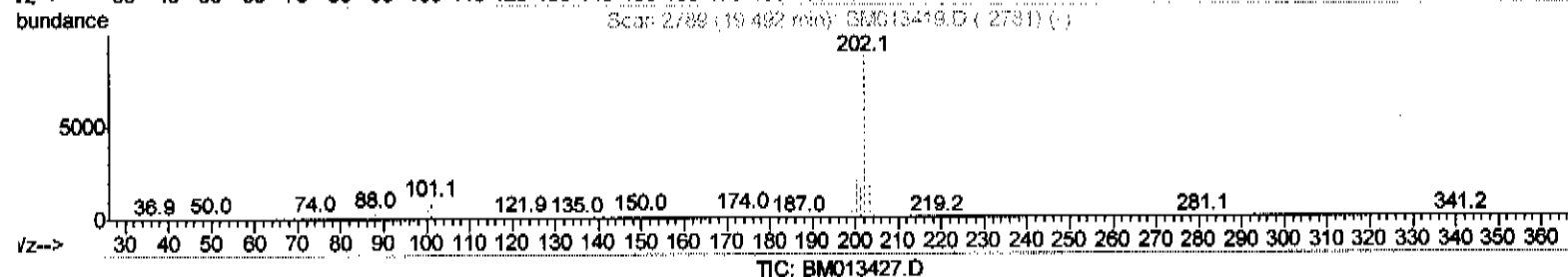
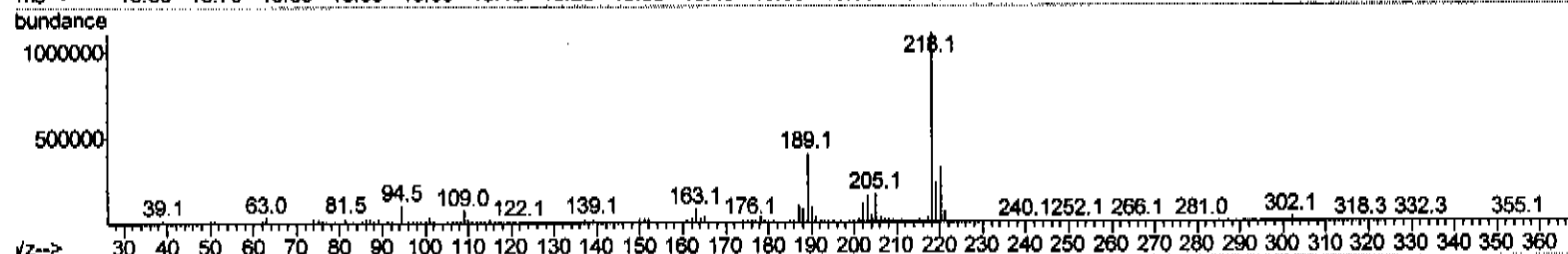
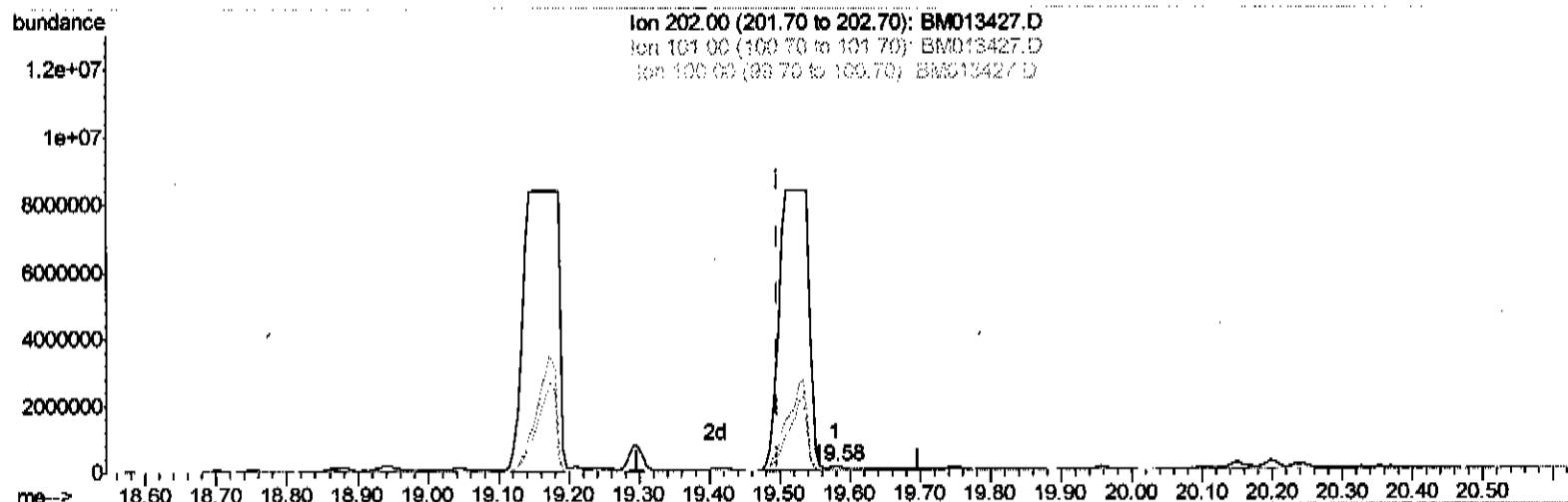
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(77) Pyrene

19.580min (+0.082) 1.93ng/ul

response 138215

Ion	Exp%	Act%
202.00	100	100
101.00	6.40	32.35#
100.00	6.10	10.62#
0.00	0.00	0.00

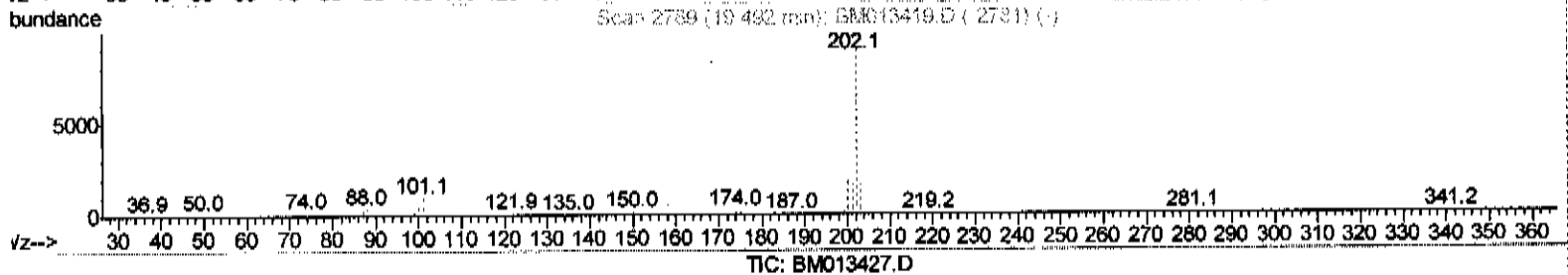
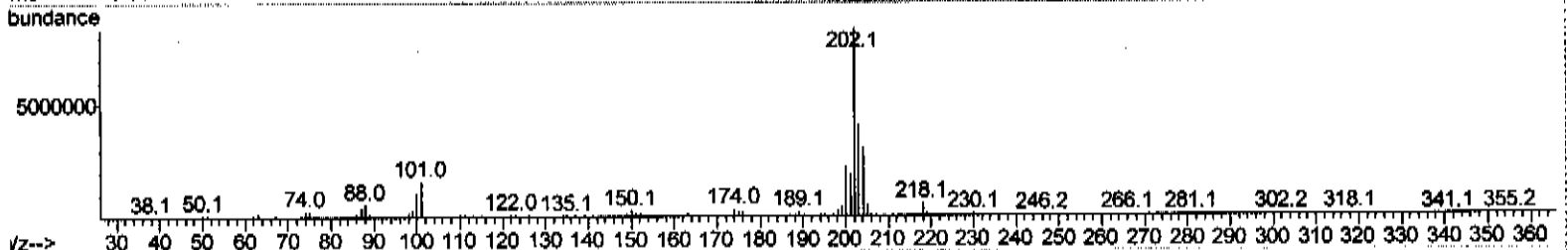
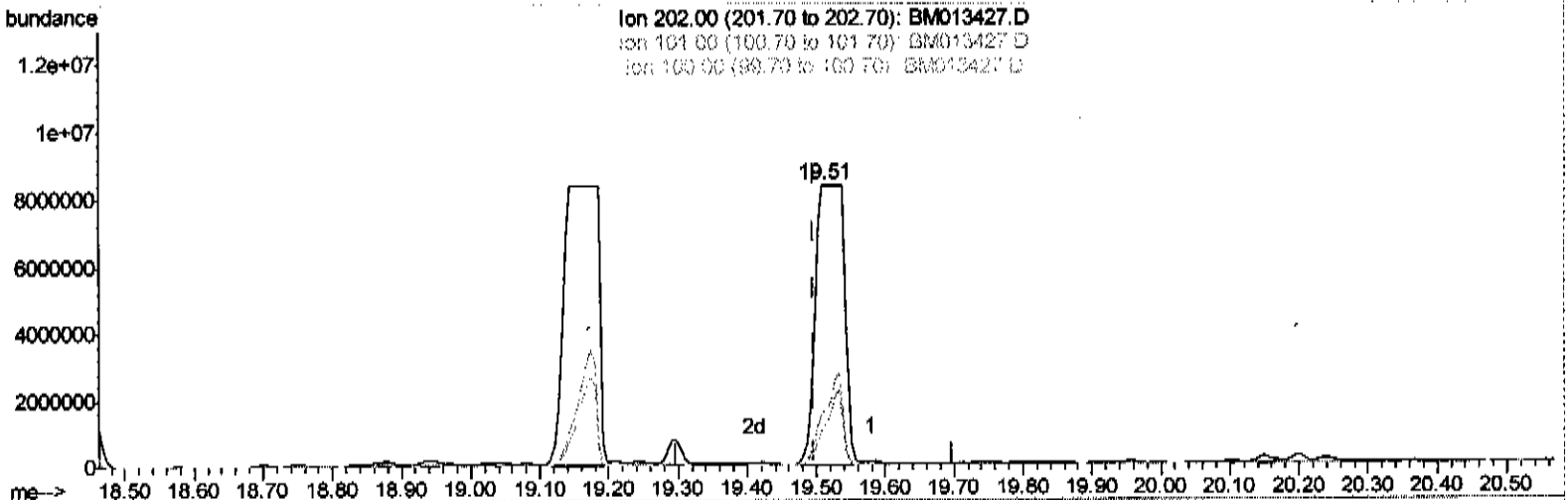
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(77) Pyrene

19.509min (+0.012) 342.18ng/ul m

response 24531305

Ion	Exp%	Act%
202.00	100	100
101.00	6.40	18.66#
100.00	6.10	12.60#
0.00	0.00	0.00

34 12/18/17

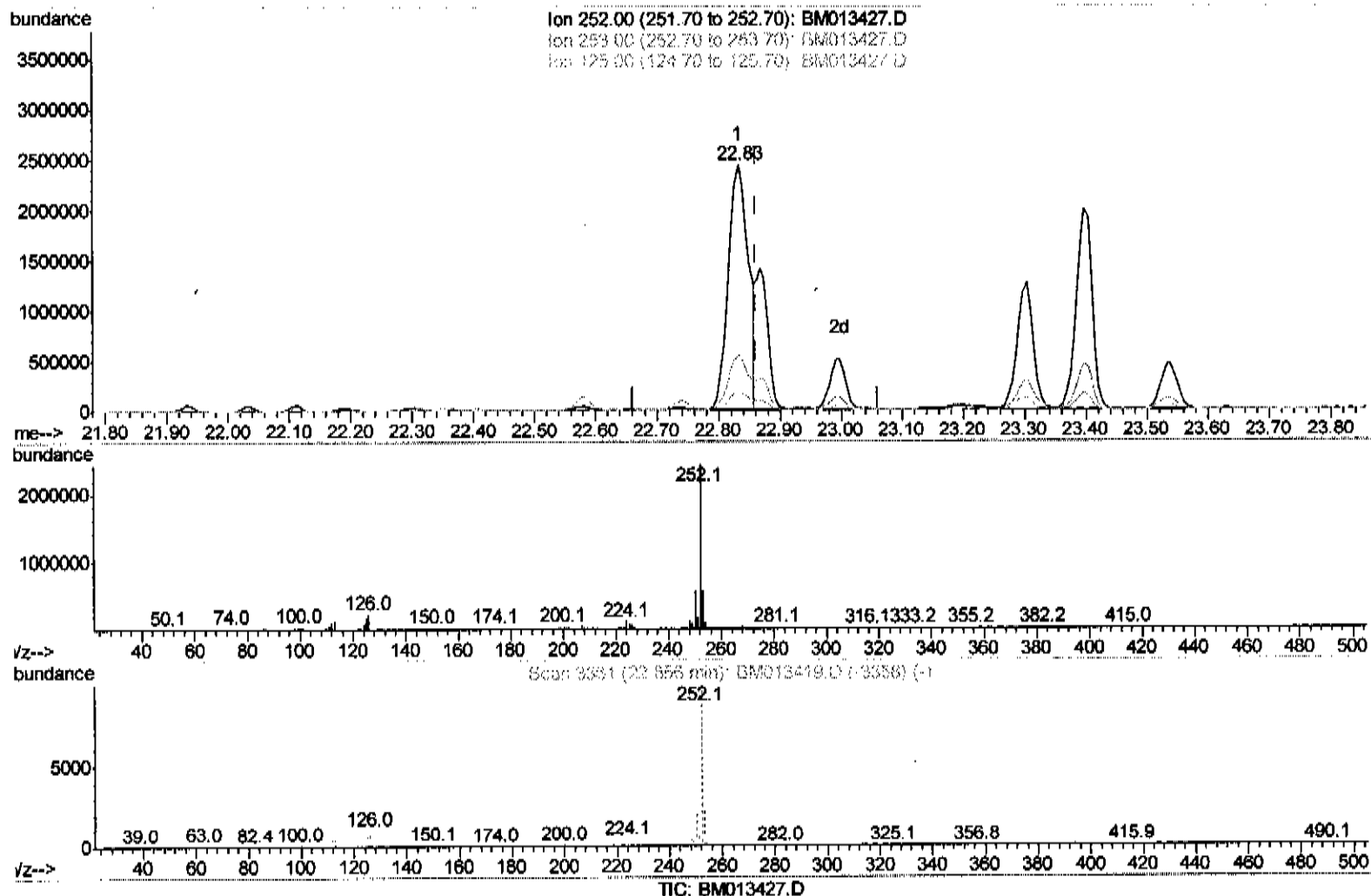
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(86) Benzo(k)fluoranthene

22.833min (-0.029) 93.77ng/ul

response 5495704

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.72
125.00	4.30	7.45#
0.00	0.00	0.00

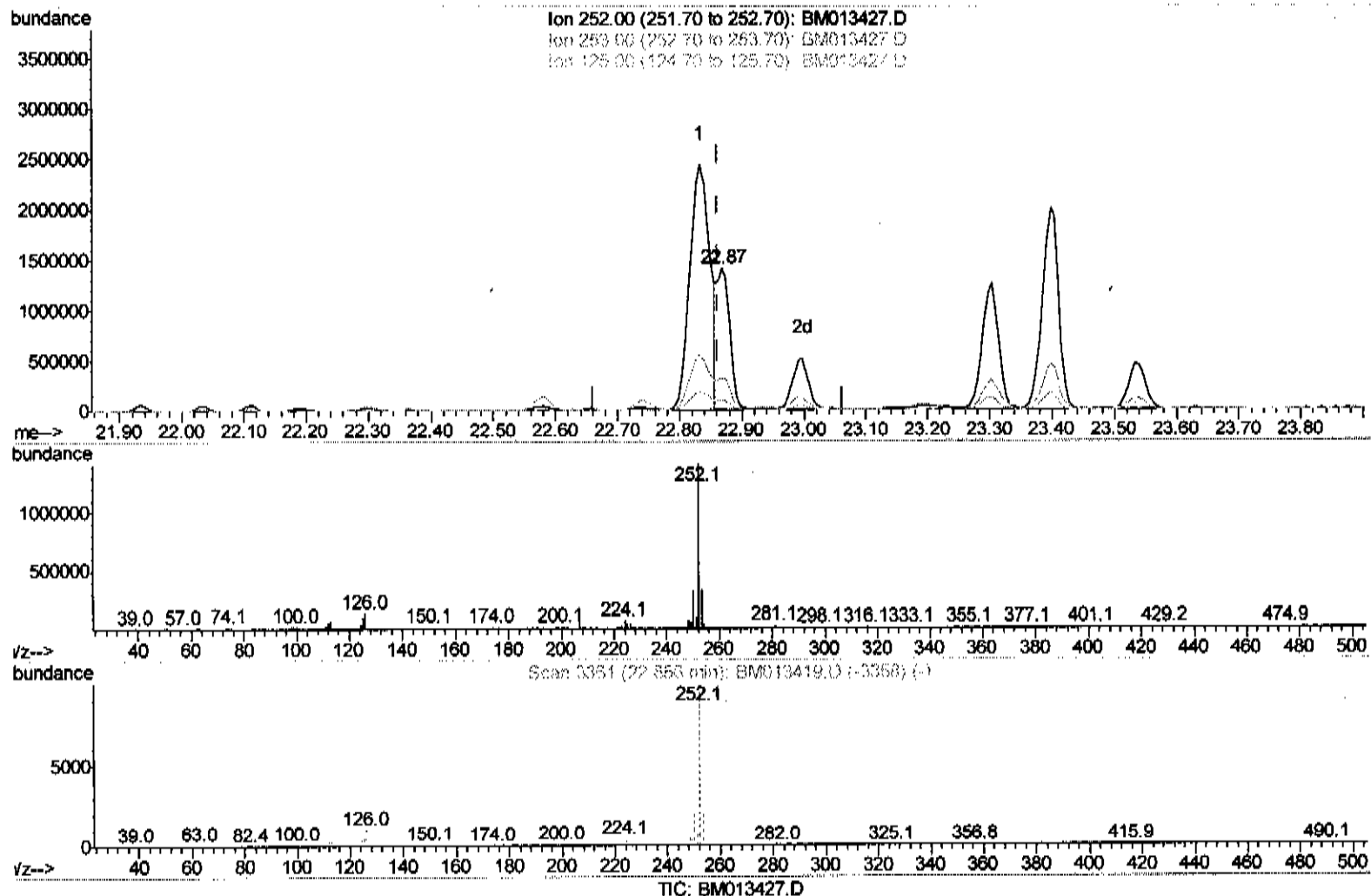
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013427.D
 Acq On : 15 Dec 2017 06:36
 Operator : SJ/JU
 Sample : I6778-14 30X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:12 PM

Quant Time: Dec 15 10:02:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.868min (+0.006) 32.66ng/ul m

response 1914169

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.14
125.00	4.30	7.15#
0.00	0.00	0.00

SJ 12/18/17

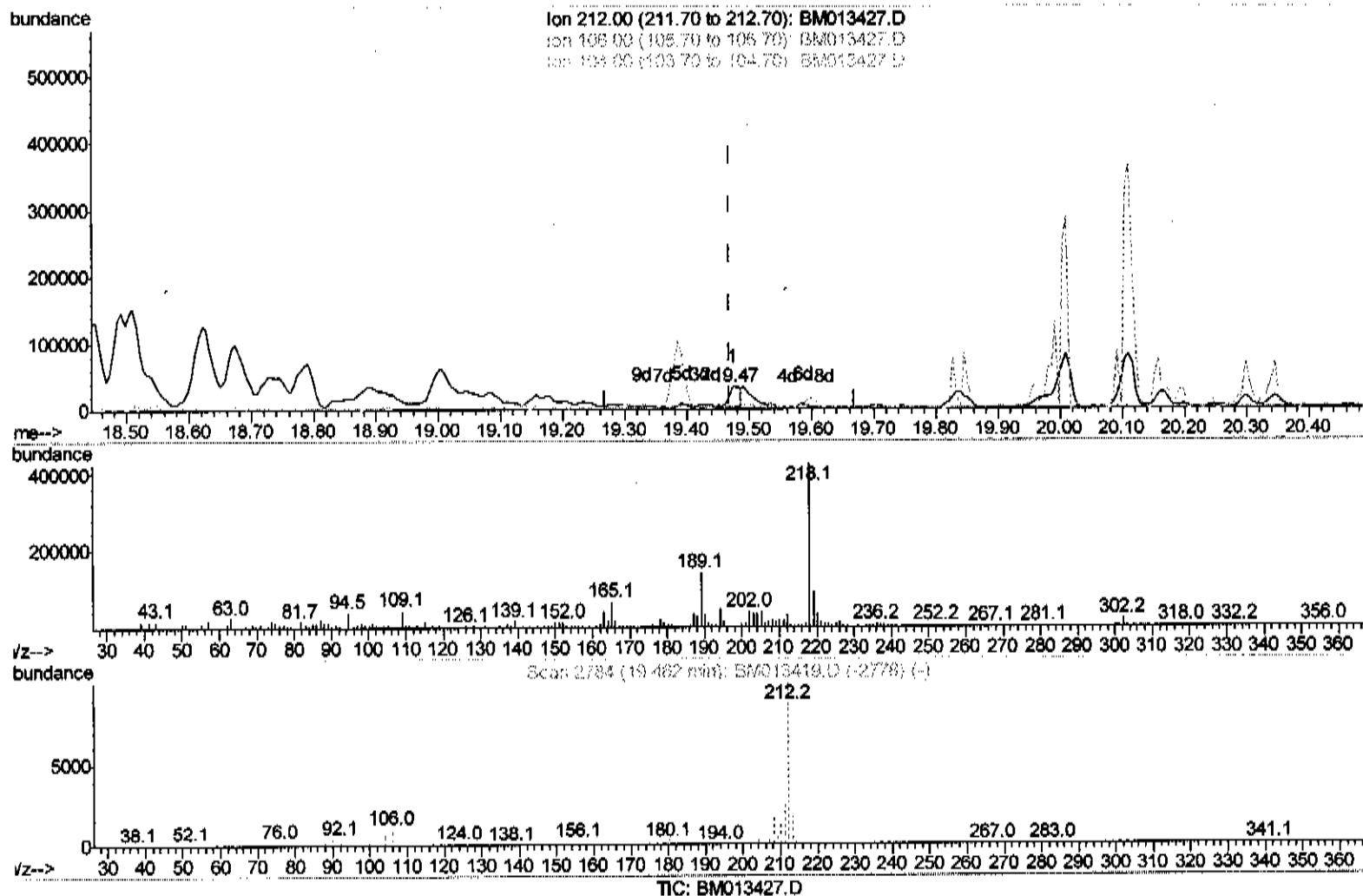
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013427.D
 Acq On : 15 Dec 2017 06:36
 Operator : SJ/JU
 Sample : I6778-14 30X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F9A79

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:12 PM

Quant Time: Dec 15 10:28:34 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration



(76) Pyrene-d10 (S)

19.474min (+0.006) 0.68ng/ul

response 39750

Ion	Exp%	Act%
212.00	100	100
106.00	7.60	12.08#
104.00	5.10	16.83#
0.00	0.00	0.00

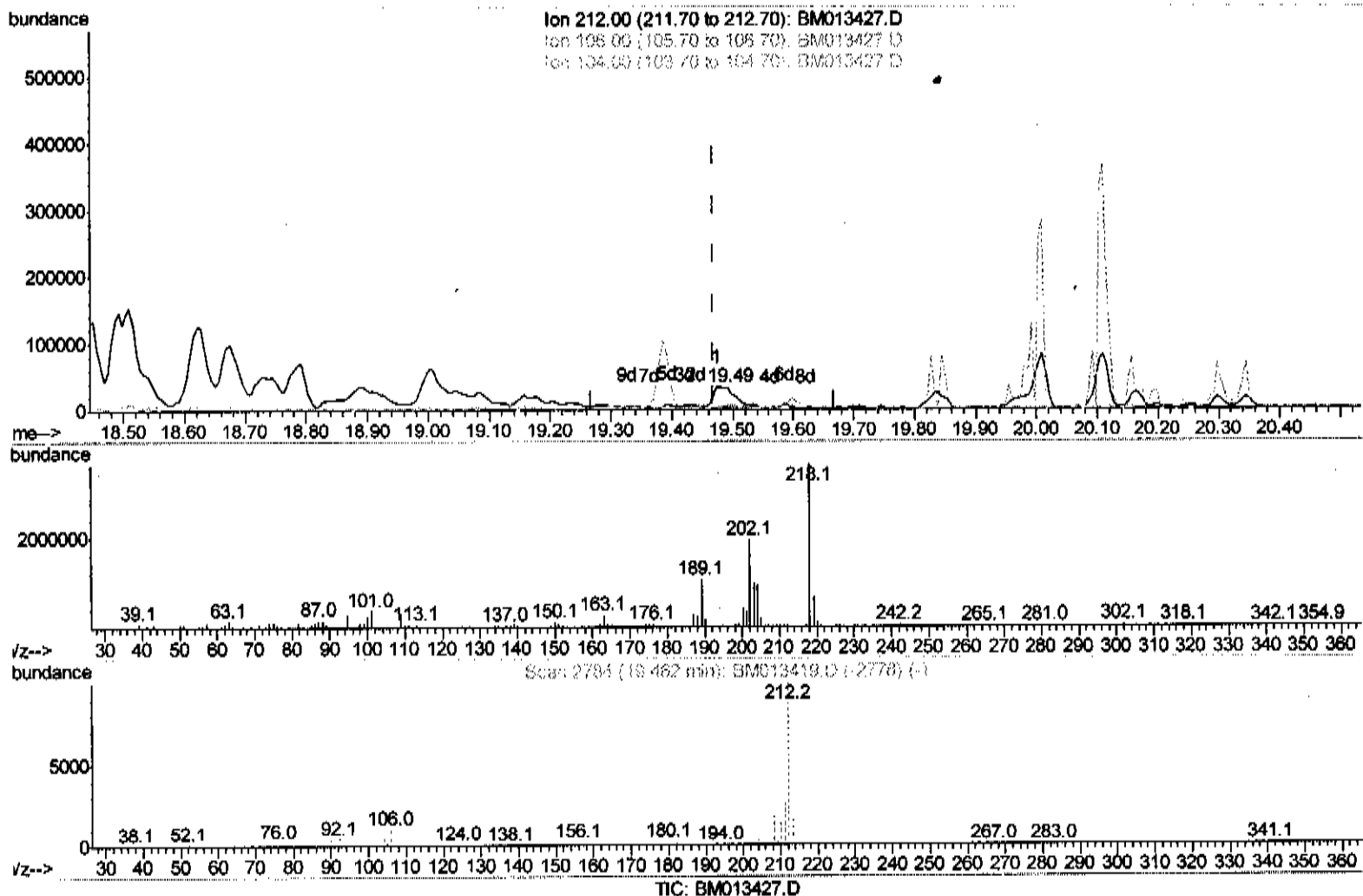
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013427.D
 Acq On : 15 Dec 2017 06:36
 Operator : SJ/JU
 Sample : I6778-14 30X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:12 PM

Quant Time: Dec 15 10:28:34 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration



(76) Pyrene-d10 (S)

19.492min (+0.024) 1.23ng/ul m *ju 12/18/17*

response 72122

Ion	Exp%	Act%
212.00	100	100
106.00	7.60	13.22#
104.00	5.10	21.11#
0.00	0.00	0.00

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013427.D
Acq On : 15 Dec 2017 06:36
Operator : SJ/JU
Sample : I6778-14 30X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A79

Manual Integrations
APPROVED
Sohil
12/15/2017 6:49:12 PM

Quant Time: Dec 15 11:03:25 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
OLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	230786	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	993646	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.32	164	623372	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1247029	20.00	ng/ul	0.01
75) Chrysene-d12	21.27	240	1180064	20.00	ng/ul	0.01
83) Perylene-d12	23.49	264	923896	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.22	96	199	0.04	ng/uL	0.00
5) Phenol-d5	6.86	99	13384	0.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	10938	0.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	13977	0.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	14220	0.83	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	16446	2.09	ng/ul	0.01
22) 2-Nitrophenol-d4	9.55	143	7230	0.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	13774	0.79	ng/ul	0.01
29) 4-Chloroaniline-d4	10.61	131	34888	2.18	ng/ul	0.01
43) Dimethylphthalate-d6	13.74	166	64308	1.16	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	53583	0.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	9356	0.97	ng/ul	0.00
57) Fluorene-d10	15.33	176	60507	1.27	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.46	200	344	0.04	ng/ul	0.01
70) Anthracene-d10	17.20	188	61105	0.98	ng/ul	0.04
76) Pyrene-d10	19.49	212	72122m	1.23	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.35	264	48227	1.02	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Ovalue
28) Naphthalene	10.52	128	41141019m	804.762	ng/ul		
34) 2-Methylnaphthalene	12.14	142	19943403m	518.959	ng/ul		
40) 1,1'-Biphenyl	13.16	154	6264010	118.898	ng/ul	99	
47) Acenaphthylene	14.05	152	2510055	39.623	ng/ul	94	
49) Acenaphthene	14.40	153	19822326m	459.340	ng/ul		
53) Dibenzofuran	14.73	168	18950530m	297.464	ng/ul		
58) Fluorene	15.39	166	21584679m	409.555	ng/ul		
68) Pentachlorophenol	16.76	266	36913	3.948	ng/ul	95	
69) Phenanthrene	17.12	178	40002667m	564.642	ng/ul		
71) Anthracene	17.23	178	13794629	190.490	ng/ul	90	
72) Carbazole	17.49	167	7469841	119.924	ng/ul	99	
74) Fluoranthene	19.14	202	28621447m	329.664	ng/ul		
77) Pyrene	19.51	202	24531305m	342.175	ng/ul		
80) Benzo(a)anthracene	21.26	228	10651154	142.258	ng/ul	96	
82) Chrysene	21.32	228	8288444	119.323	ng/ul	97	
85) Benzo(b)fluoranthene	22.83	252	5495704	88.240	ng/ul	98	
86) Benzo(k)fluoranthene	22.87	252	1914169m	32.659	ng/ul		
88) Benzo(a)pyrene	23.40	252	3616706	64.645	ng/ul	98	
89) Indeno(1,2,3-cd)pyrene	25.72	276	1554554	28.004	ng/ul	97	
90) Dibenzo(a,h)anthracene	25.72	278	443197	9.376	ng/ul	87	
91) Benzo(a,h,i)perylene	26.40	276	1284983	29.346	ng/ul	95	

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Manual Integrations
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12/15/2017 6:49:12 PM

Quant Time: Dec 15 11:03:25 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration

Internal Standards	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

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