

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
 Data File : BM005511.D
 Acq On : 19 May 2016 23:07
 Operator : UM/SJ
 Sample : H2890-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT3

Manual Integrations
 APPROVED

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Quant Time: May 20 01:42:54 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 01:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-7.84
18) Naphthalene-d8	0.00	136	0	0.00	ng/ul	-10.63
35) Acenaphthene-d10	14.46	164	334	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.30	188	696525	20.00	ng/ul	0.09
75) Chrysene-d12	21.50	240	927	20.00	ng/ul	0.12
83) Perylene-d12	23.78	264	3631	20.00	ng/ul	0.11
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	4082	0.00	ng/uL	0.00
5) Phenol-d5	6.99	99	131196	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	64776	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	96855	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	106656	0.00	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	47839	0.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	54559	0.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	114645	0.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	130149	0.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	400740	14595.14	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	499893	15421.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	91745	16285.79	ng/ul	0.00
57) Fluorene-d10	15.46	176	384392	15865.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	62841	17.12	ng/ul	0.00
70) Anthracene-d10	17.30	188	696525	21.74	ng/ul	0.00
76) Pyrene-d10	19.59	212	983865	26395.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1535162	9456.94	ng/ul	0.00
Target Compounds						
40) 1,1'-Biphenyl	13.30	154	2784	103.99	ng/ul#	90
44) Dimethylphthalate	13.92	163	136420	4873.14	ng/ul	100
47) Acenaphthylene	14.19	152	55913m	1665.35	ng/ul	
49) Acenaphthene	14.53	153	33209	1448.13	ng/ul	88
53) Dibenzofuran	14.86	168	28897	863.88	ng/ul	93
58) Fluorene	15.51	166	29087	1051.37	ng/ul	97
69) Phenanthrene	17.24	178	1164982m	29.40	ng/ul	
71) Anthracene	17.33	178	236161	6.03	ng/ul	98
72) Carbazole	17.60	167	219135	6.17	ng/ul	98
74) Fluoranthene	19.26	202	3136084	67.67	ng/ul	95
77) Pyrene	19.62	202	2608053	52510.03	ng/ul	95
80) Benzo(a)anthracene	21.36	228	2101542m	38585.92	ng/ul	
82) Chrysene	21.42	228	2264020	43945.94	ng/ul	97
85) Benzo(b)fluoranthene	22.98	252	3747738	18035.27	ng/ul	97
86) Benzo(k)fluoranthene	23.02	252	1133768m	5615.92	ng/ul	
88) Benzo(a)pyrene	23.57	252	2233484m	10817.62	ng/ul	
89) Indeno(1,2,3-cd)pyrene	25.97	276	1963470m	7221.31	ng/ul	
90) Dibenzo(a,h)anthracene	25.99	278	610389m	2702.57	ng/ul	
91) Benzo(g,h,i)perylene	26.69	276	1596631	6775.80	ng/ul#	94

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

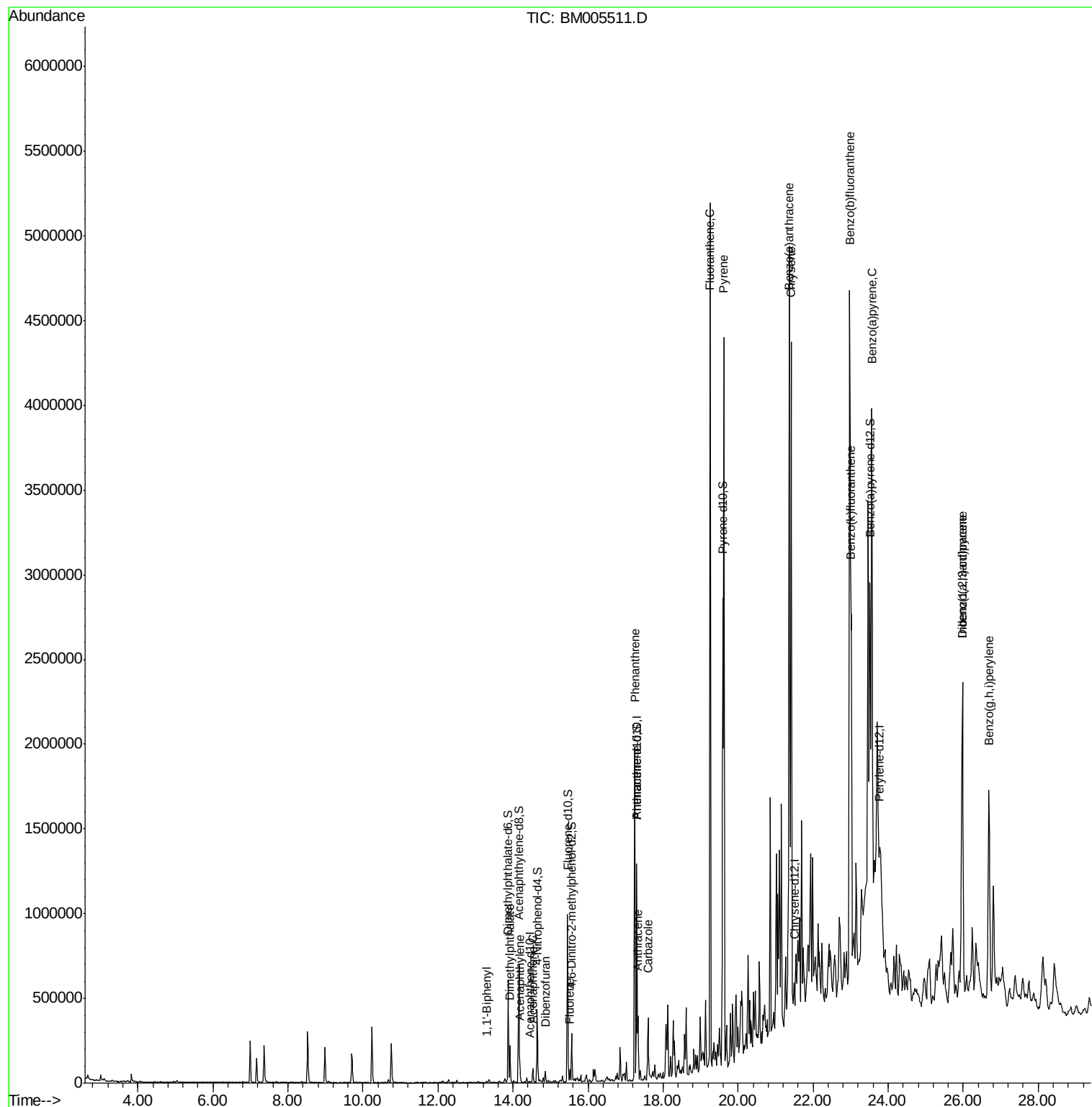
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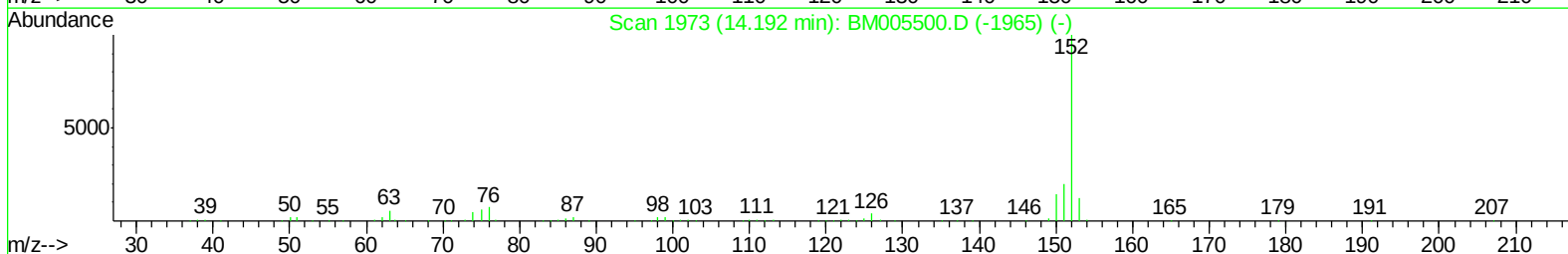
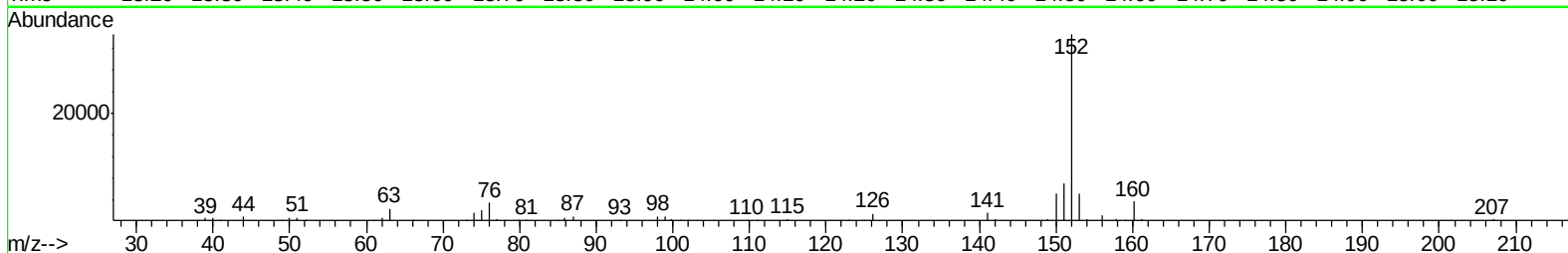
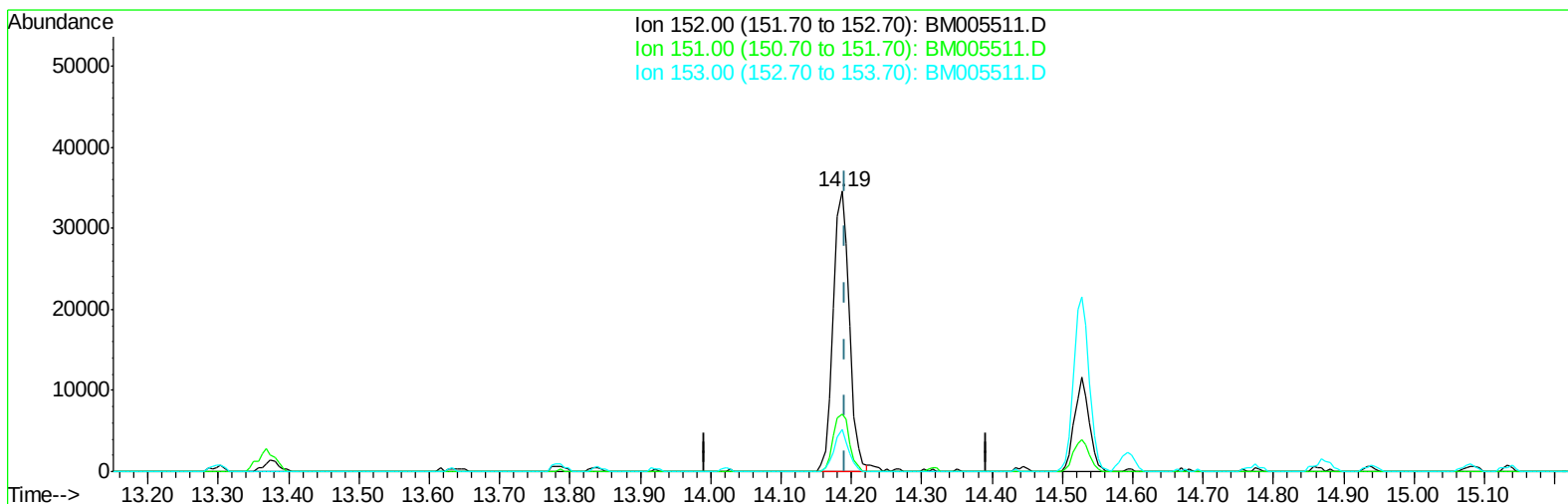
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(47) Acenaphthylene

14.186min (-0.006) 1636.02ng/ul

response 54928

Ion	Exp%	Act%
152.00	100	100
151.00	20.00	20.55
153.00	12.90	15.00
0.00	0.00	0.00

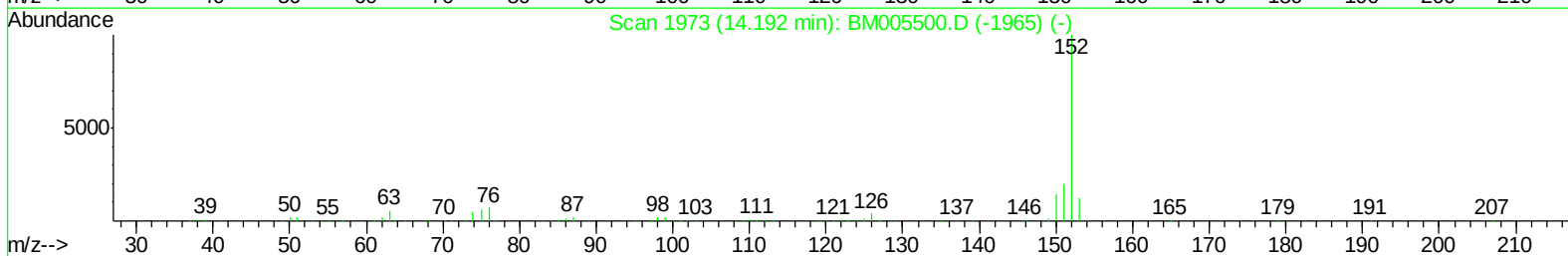
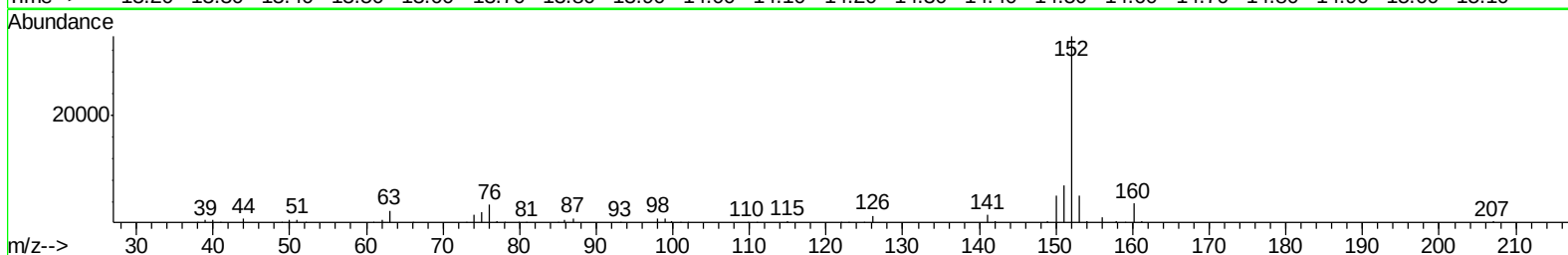
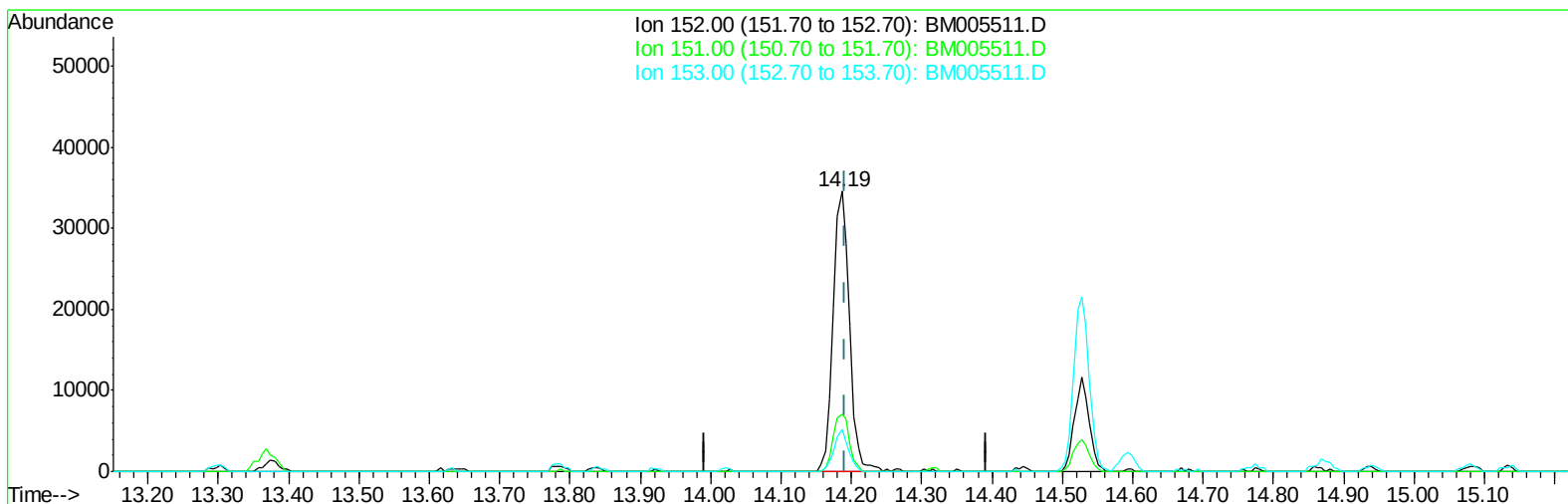
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(47) Acenaphthylene

14.186min (-0.006) 1665.35ng/ul m

response 55913

Ion	Exp%	Act%
152.00	100	100
151.00	20.00	20.55
153.00	12.90	15.00
0.00	0.00	0.00

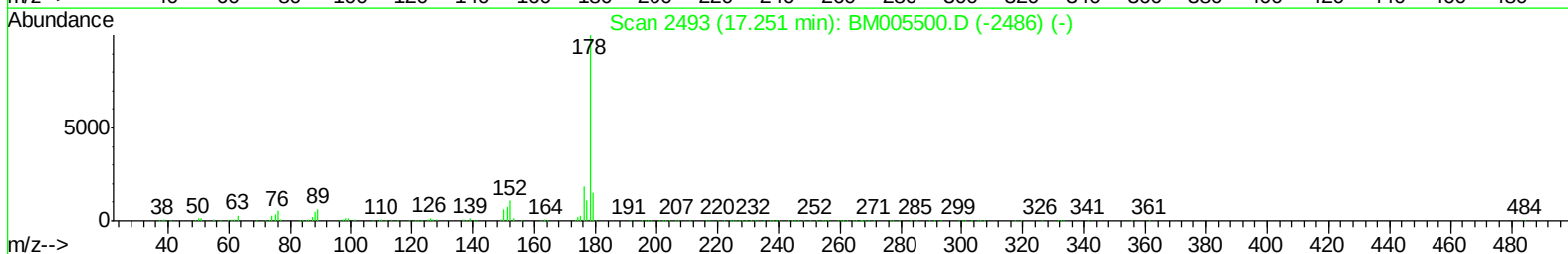
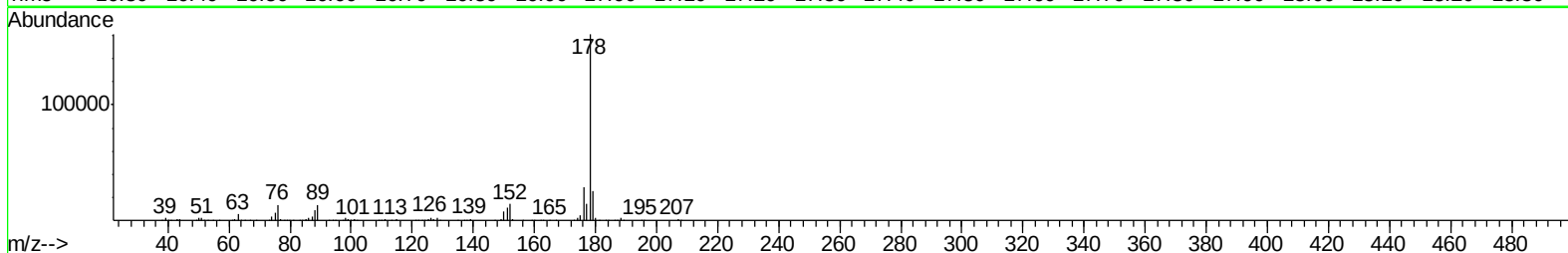
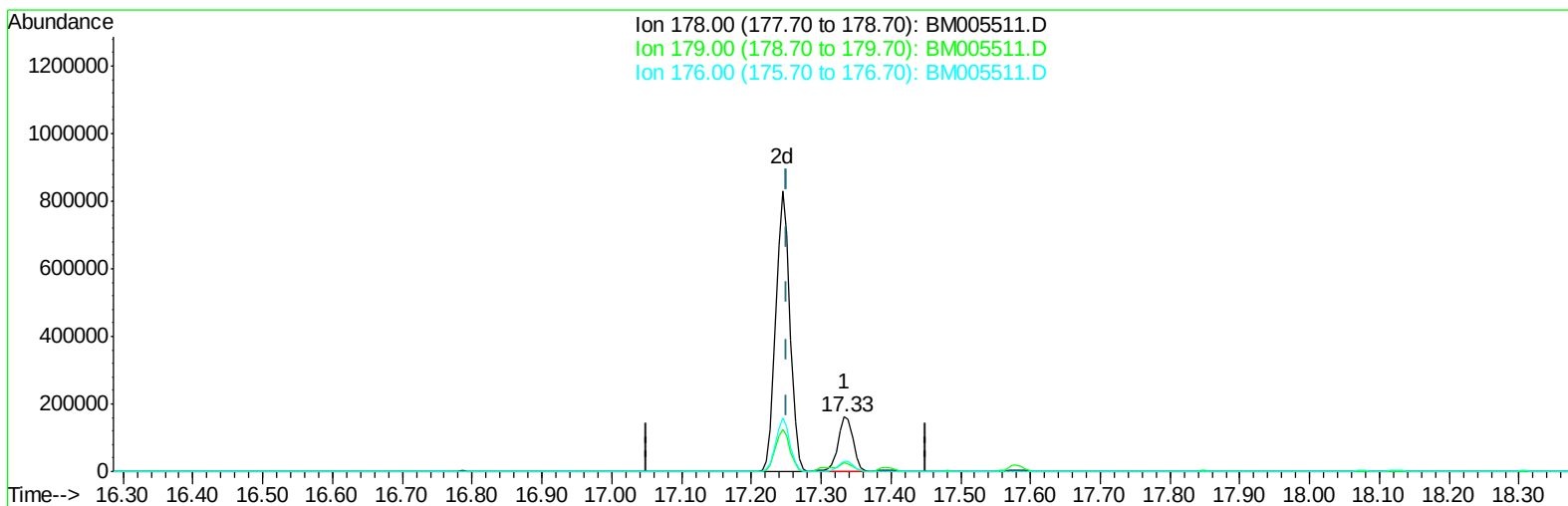
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(69) Phenanthrene

17.333min (+0.082) 6.00ng/ul

response 237918

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.76
176.00	19.00	17.88
0.00	0.00	0.00

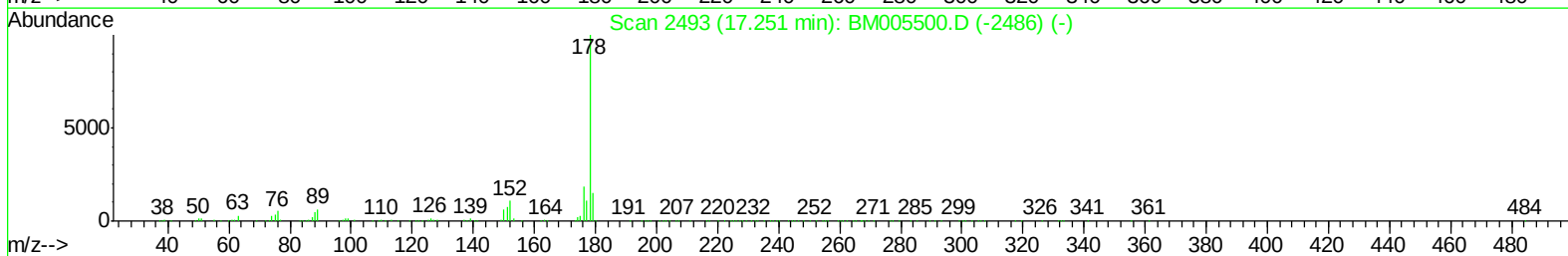
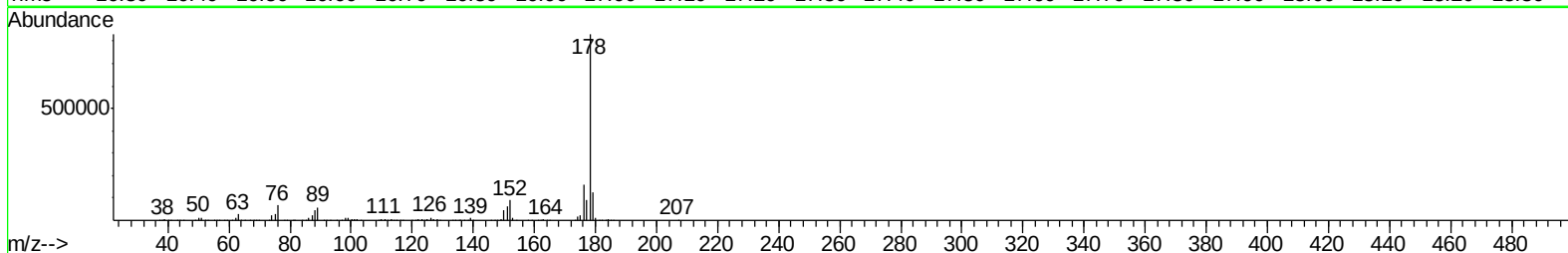
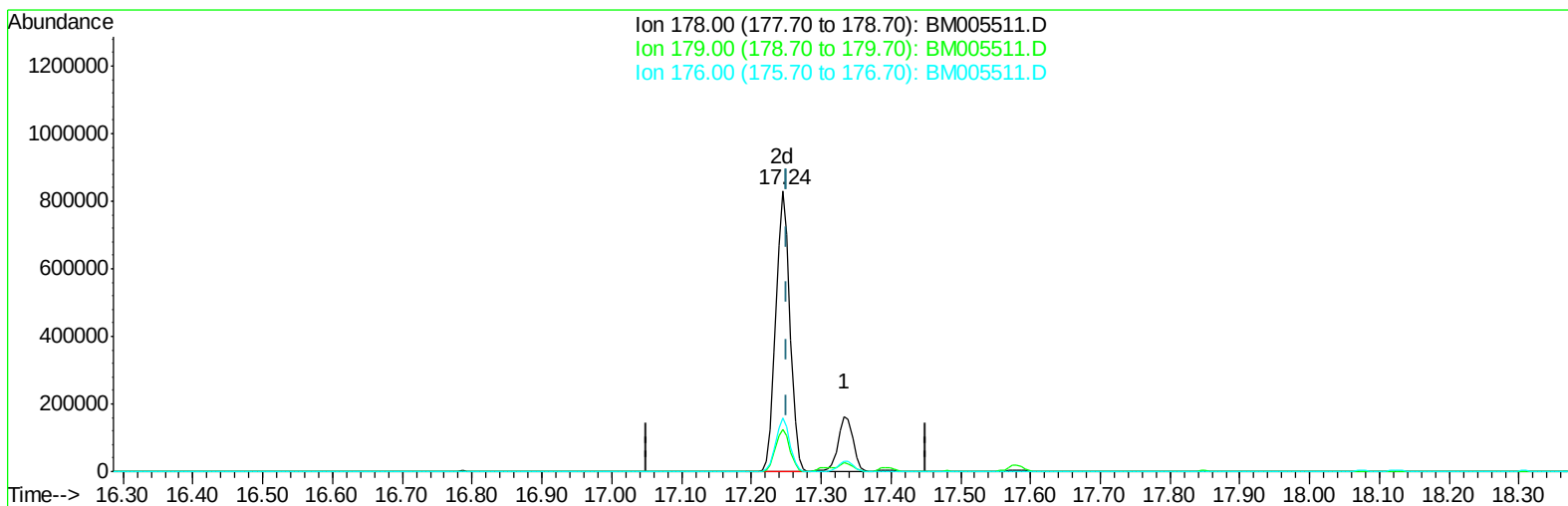
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(69) Phenanthrene

17.245min (-0.006) 29.40ng/ul m

response 1164982

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.15
176.00	19.00	19.06
0.00	0.00	0.00

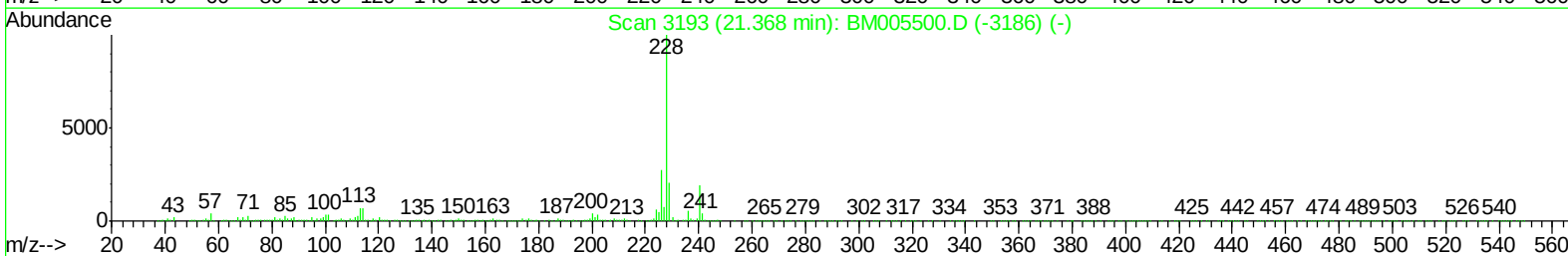
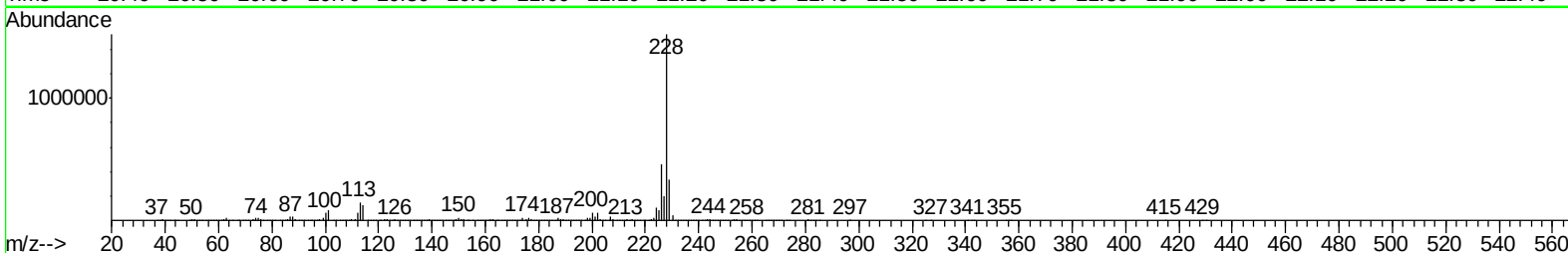
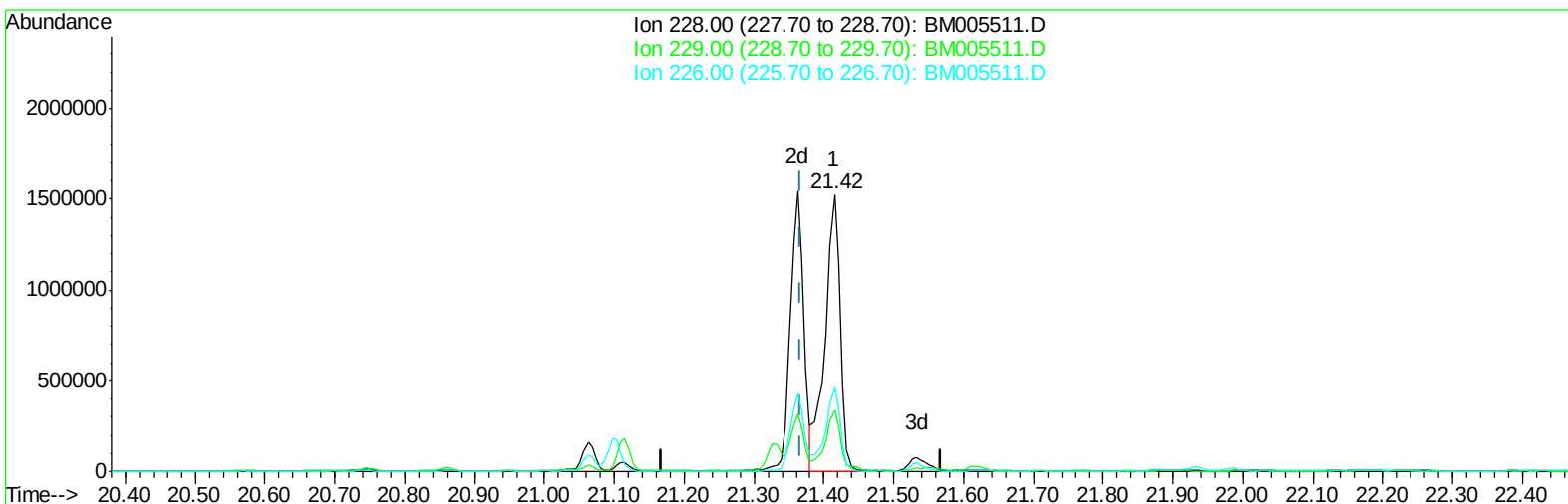
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(80) Benzo(a)anthracene

21.415min (+0.047) 41569.14ng/ul

response 2264020

Ion	Exp%	Act%
228.00	100	100
229.00	19.40	22.16
226.00	27.30	30.24
0.00	0.00	0.00

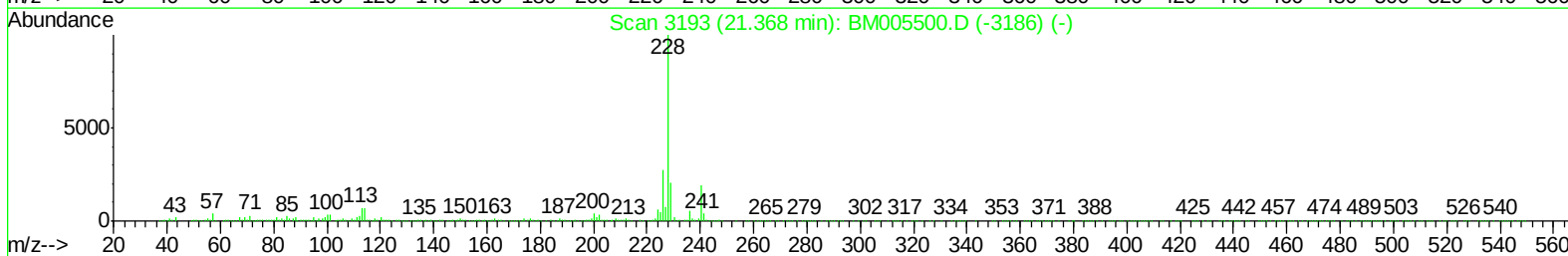
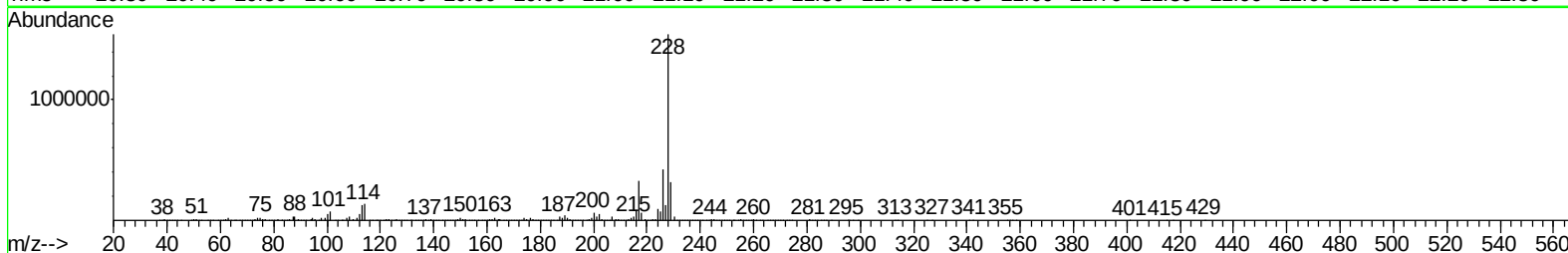
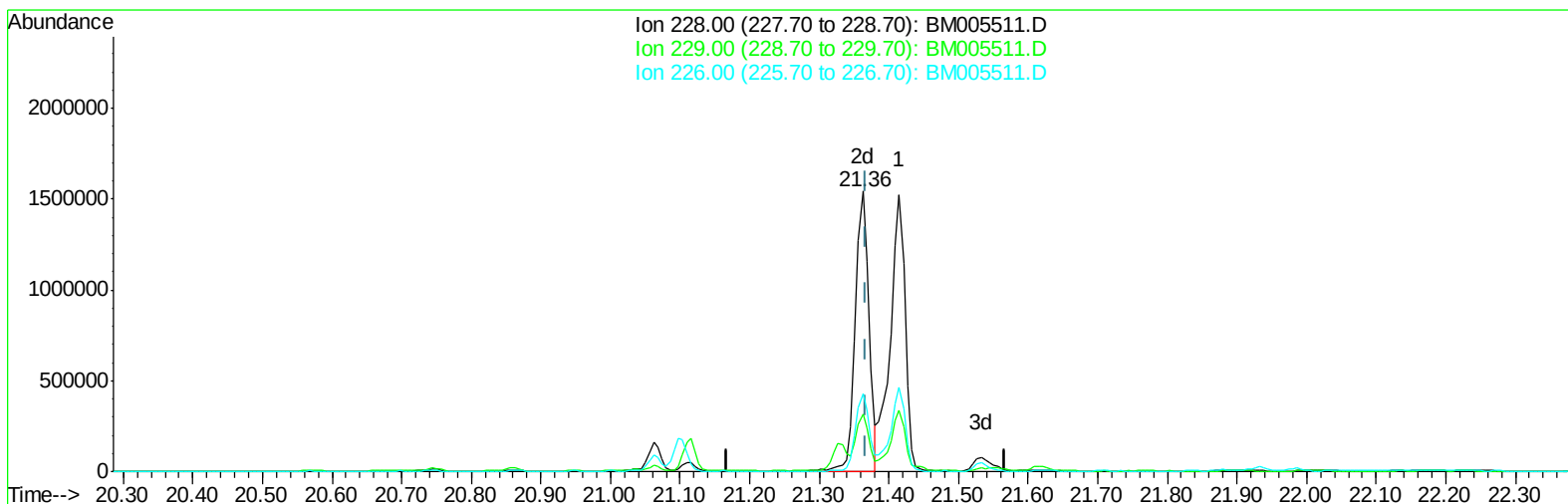
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(80) Benzo(a)anthracene

21.362min (-0.006) 38585.92ng/ul m

response 2101542

Ion	Exp%	Act%
228.00	100	100
229.00	19.40	20.59
226.00	27.30	27.70
0.00	0.00	0.00

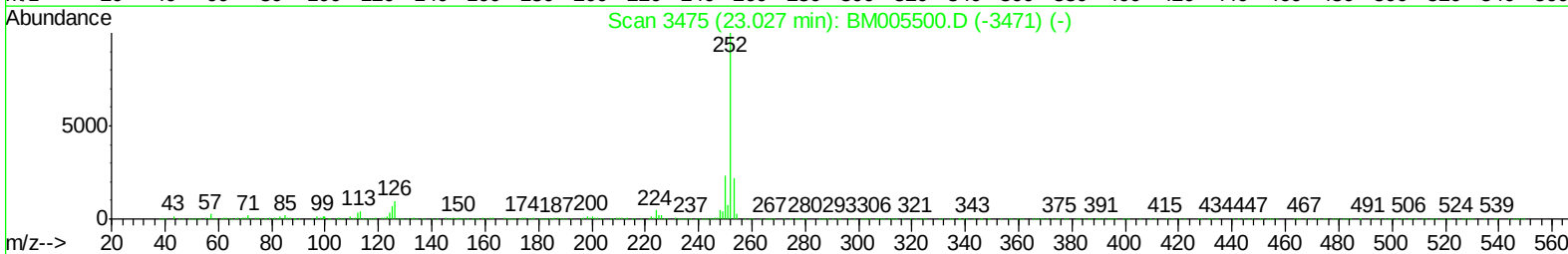
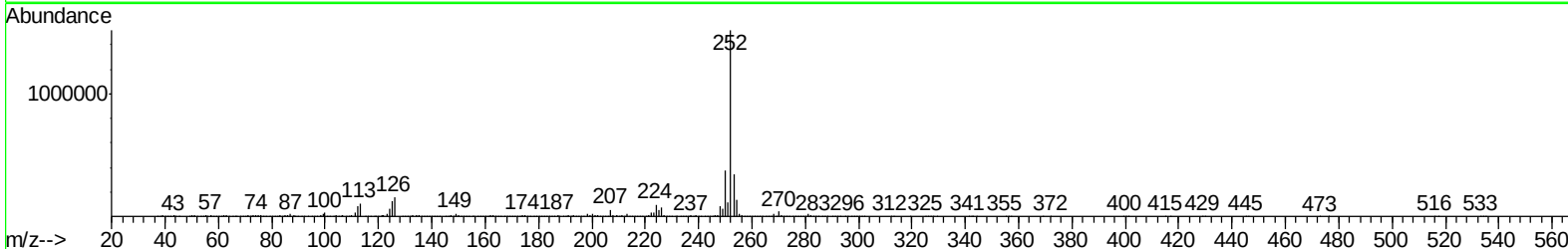
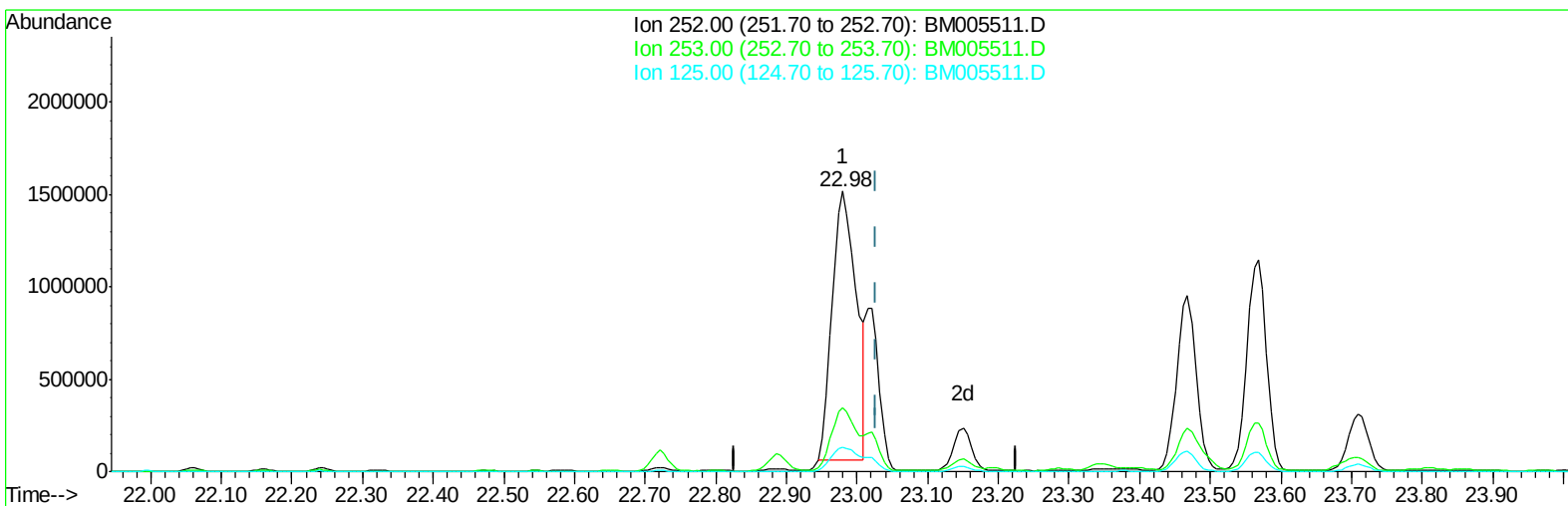
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(86) Benzo(k)fluoranthene

22.980min (-0.047) 17317.93ng/ul

response 3496222

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.95
125.00	10.00	8.59
0.00	0.00	0.00

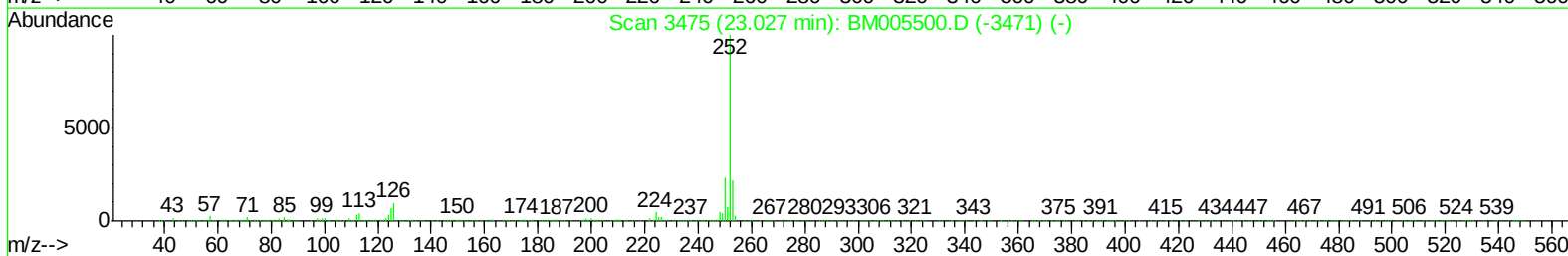
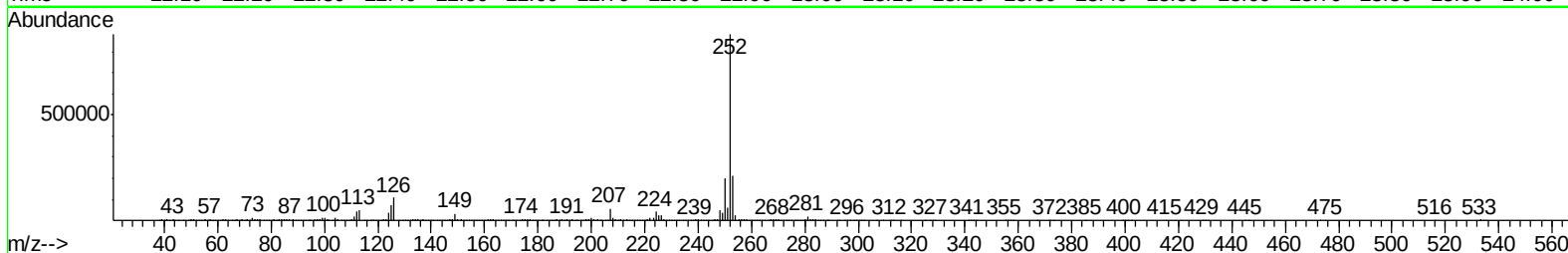
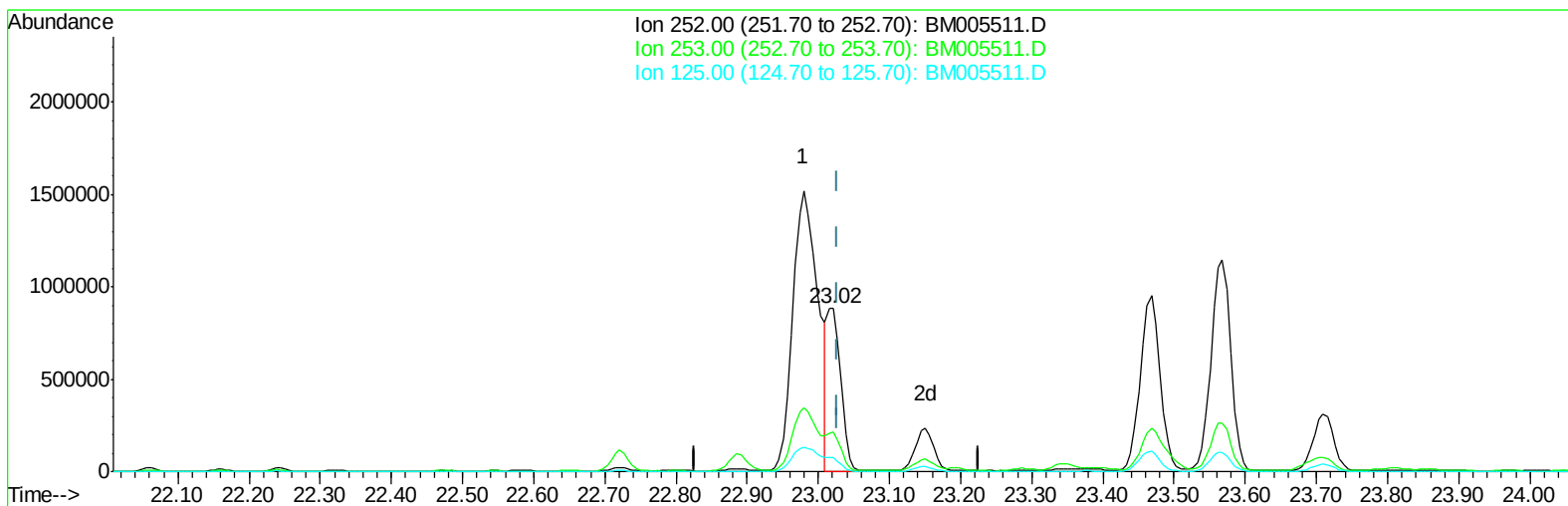
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(86) Benzo(k)fluoranthene

23.021min (-0.006) 5615.92ng/ul m

response 1133768

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.99
125.00	10.00	8.23
0.00	0.00	0.00

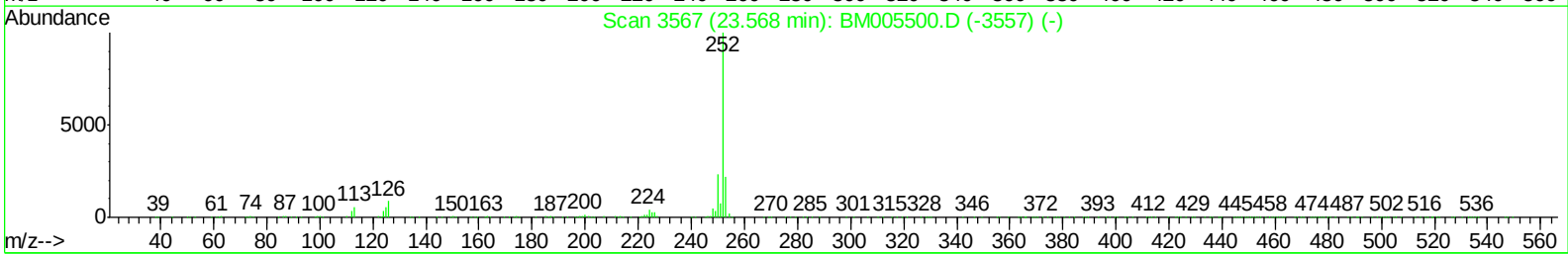
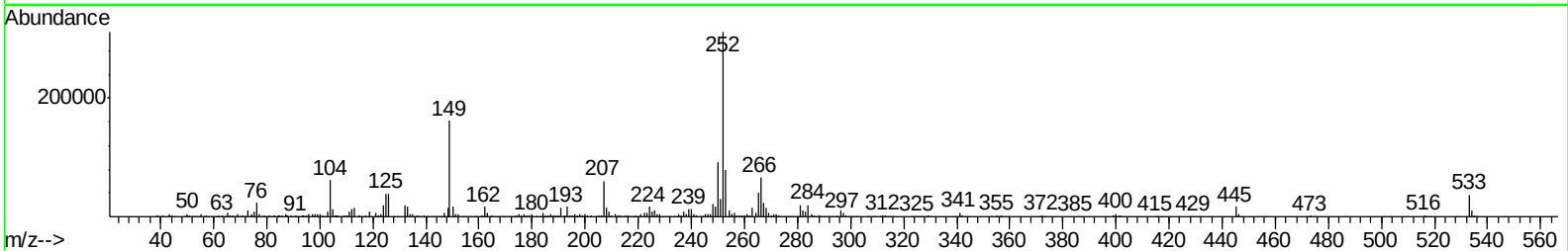
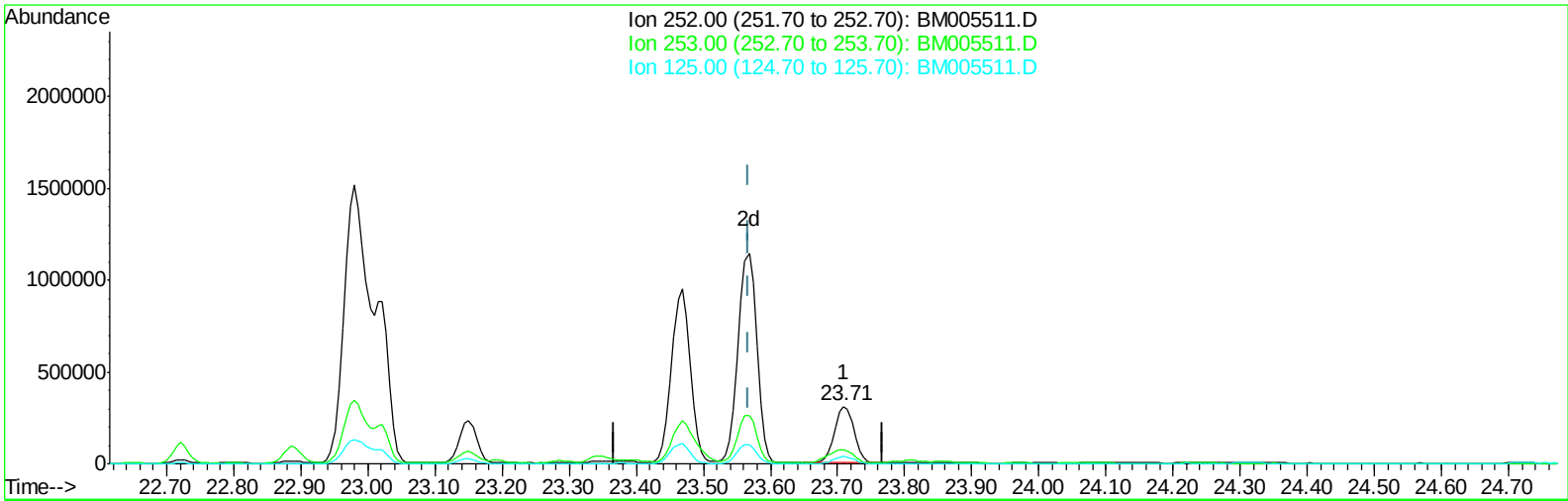
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(88) Benzo(a)pyrene (C)

23.709min (+0.141) 2985.69ng/ul

response 616447

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	25.55
125.00	10.90	12.76
0.00	0.00	0.00

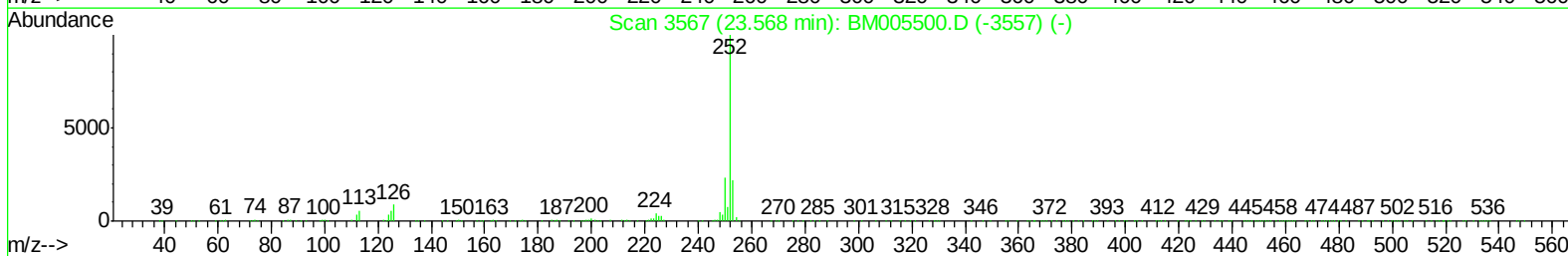
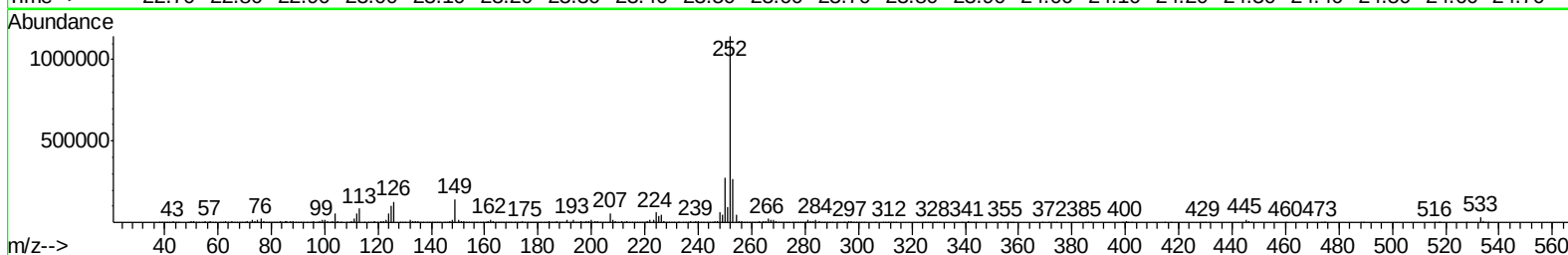
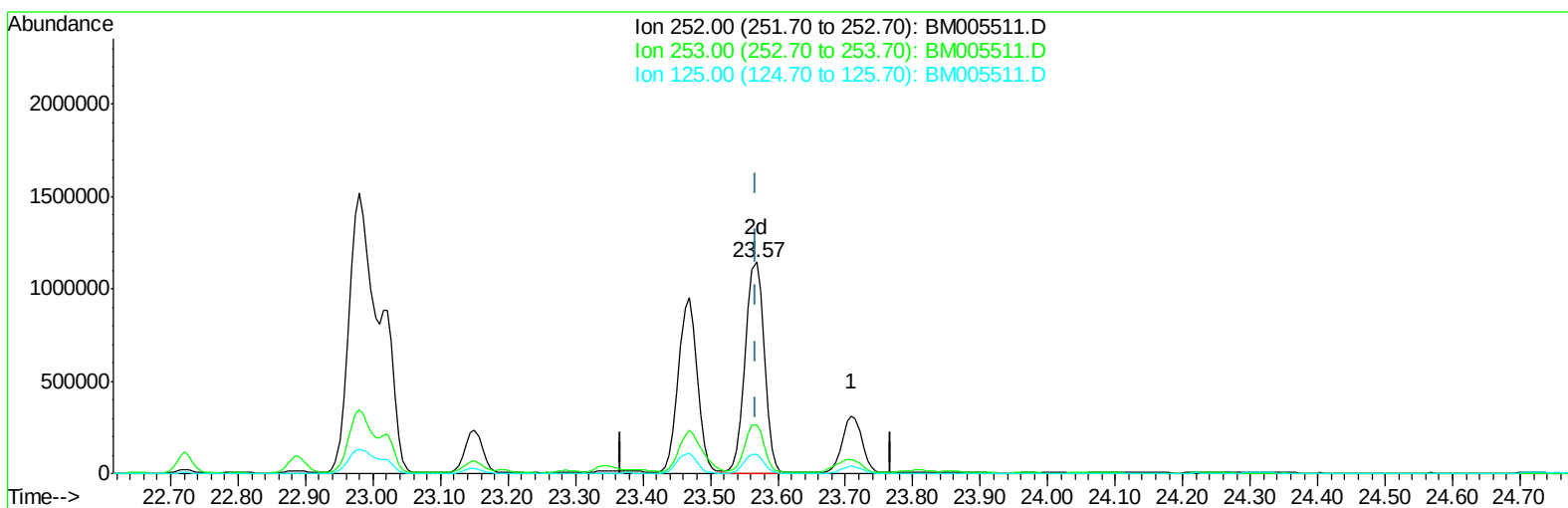
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(88) Benzo(a)pyrene (C)

23.568min (0.000) 10817.62ng/ul m

response 2233484

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	23.15
125.00	10.90	9.18
0.00	0.00	0.00

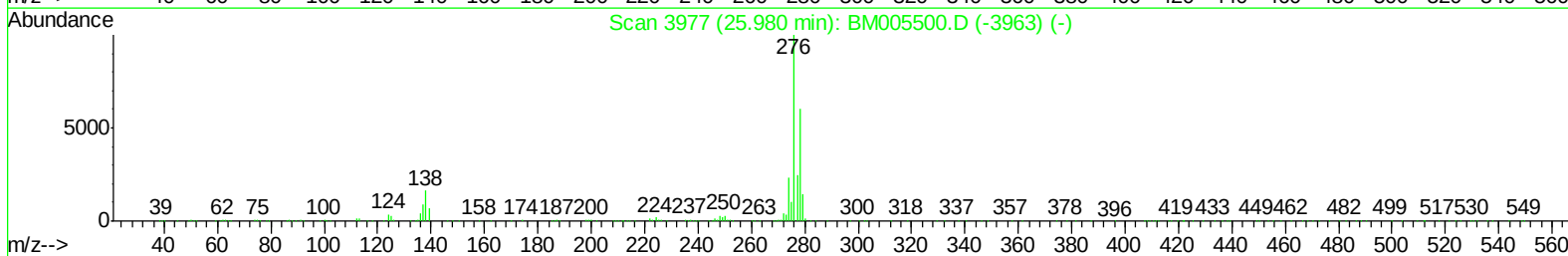
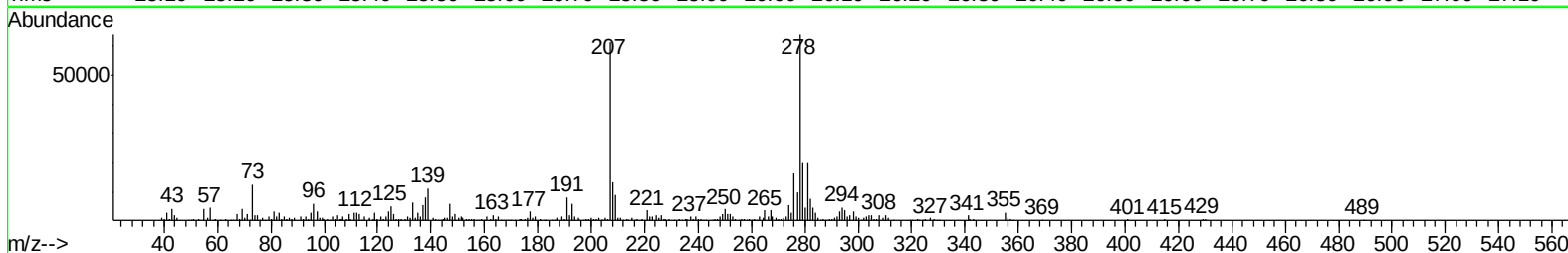
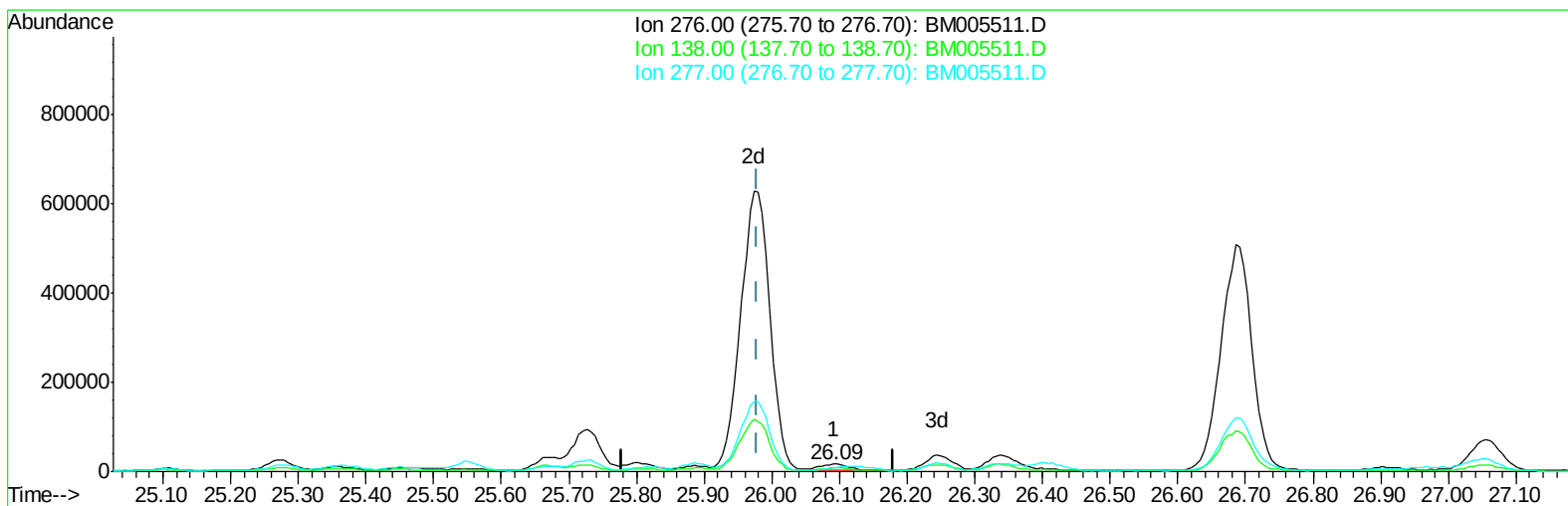
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(89) Indeno(1,2,3-cd)pyrene

26.091min (+0.112) 172.13ng/ul

response 46802

Ion	Exp%	Act%
276.00	100	100
138.00	26.30	50.43#
277.00	24.90	60.82#
0.00	0.00	0.00

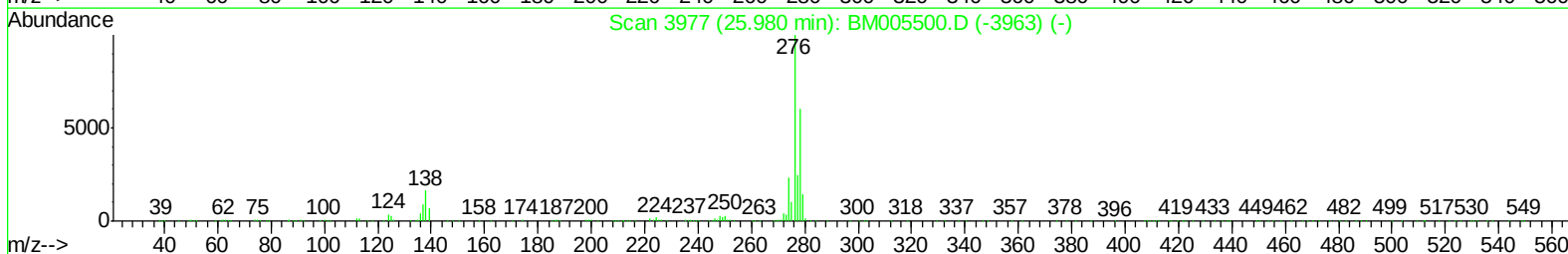
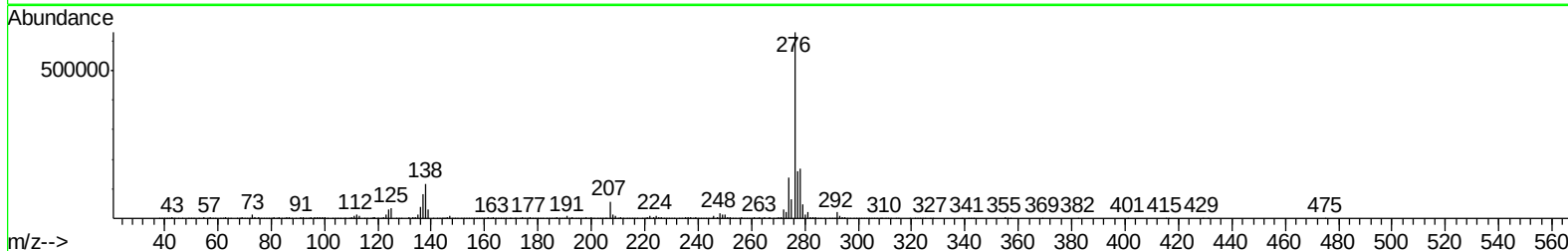
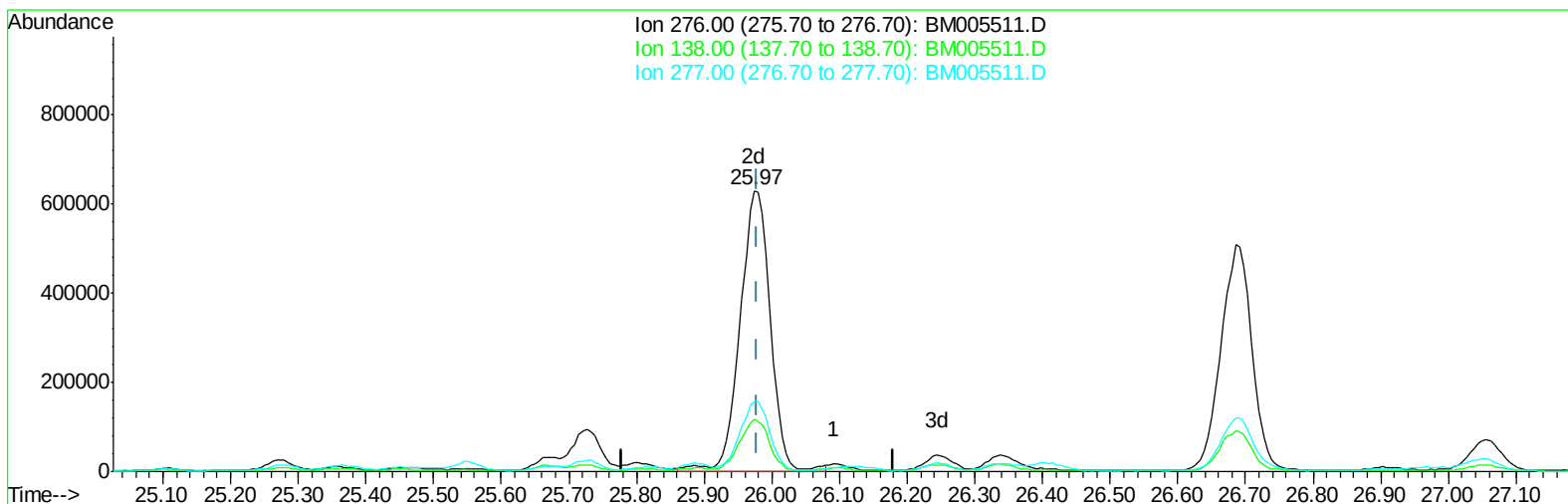
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
Data File : BM005511.D
Acq On : 19 May 2016 23:07
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9WT3

Manual Integrations
APPROVED

sohil
5/20/2016 7:18:14 PM

Quant Time: May 20 01:40:59 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 01:00:58 2016
Response via : Initial Calibration



TIC: BM005511.D

(89) Indeno(1,2,3-cd)pyrene

25.974min (-0.006) 7221.31ng/ul m

response 1963470

Ion	Exp%	Act%
276.00	100	100
138.00	26.30	18.70#
277.00	24.90	25.06
0.00	0.00	0.00

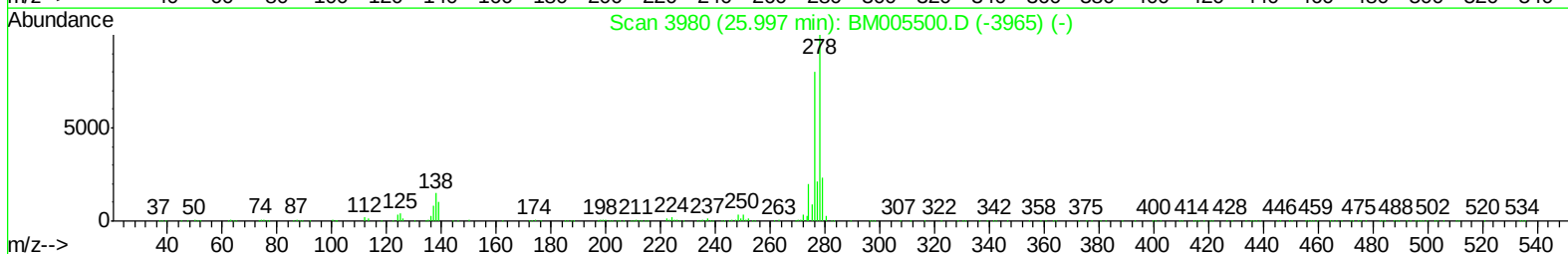
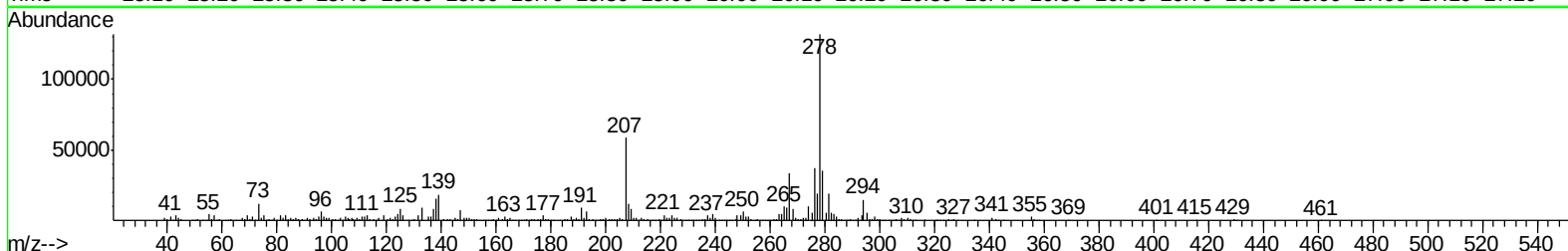
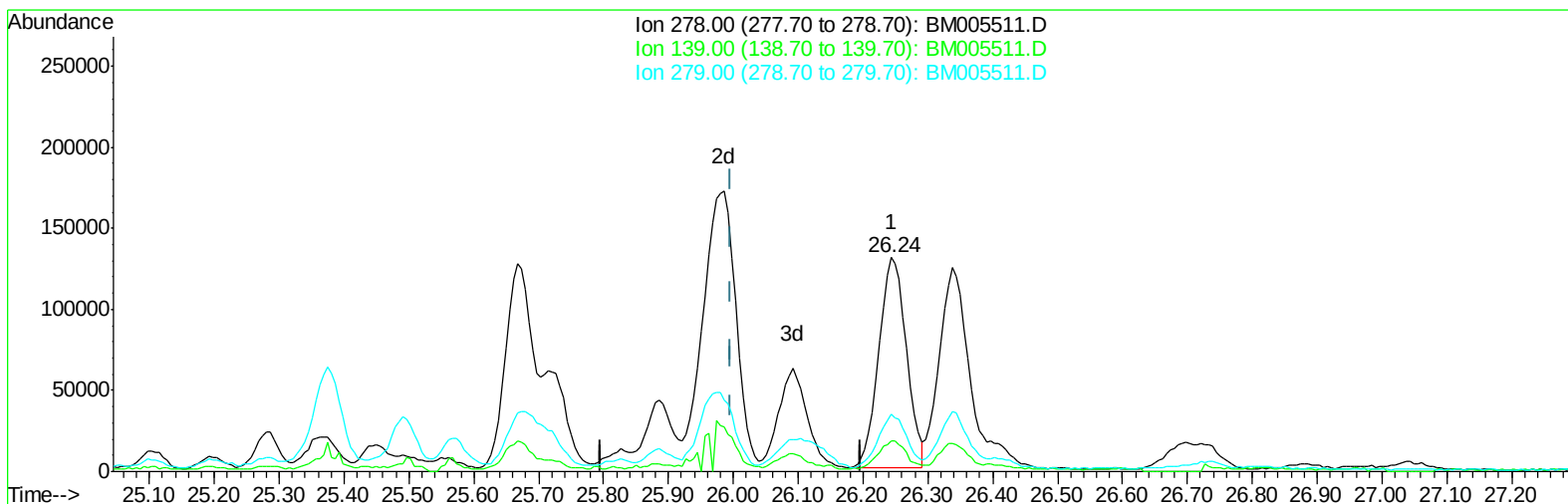
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
Data File : BM005511.D
Acq On : 19 May 2016 23:07
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9WT3

Manual Integrations
APPROVED

sohil
5/20/2016 7:18:14 PM

Quant Time: May 20 01:40:59 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 01:00:58 2016
Response via : Initial Calibration



TIC: BM005511.D

(90) Dibenzo(a,h)anthracene

26.244min (+0.247) 1695.70ng/ul

response 382982

Ion	Exp%	Act%
278.00	100	100
139.00	17.20	14.21
279.00	23.60	26.75
0.00	0.00	0.00

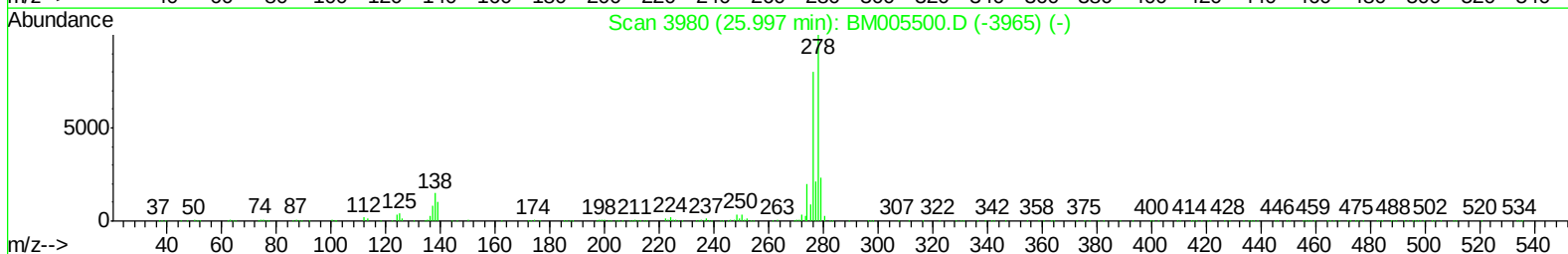
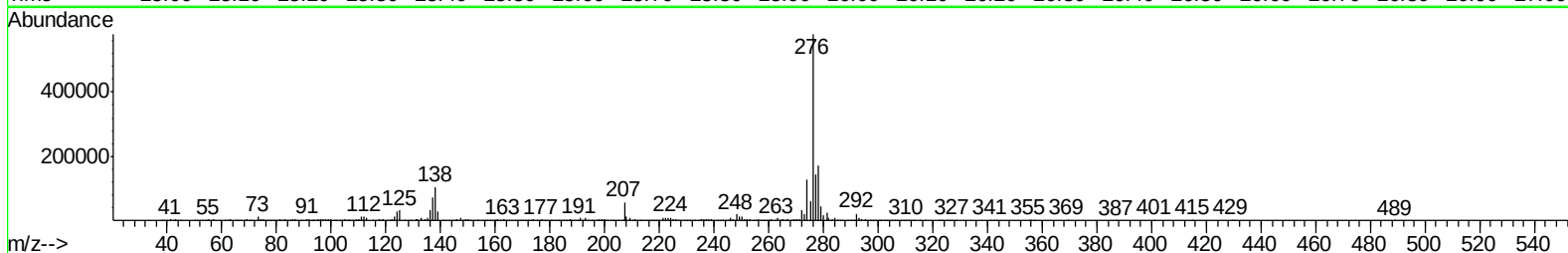
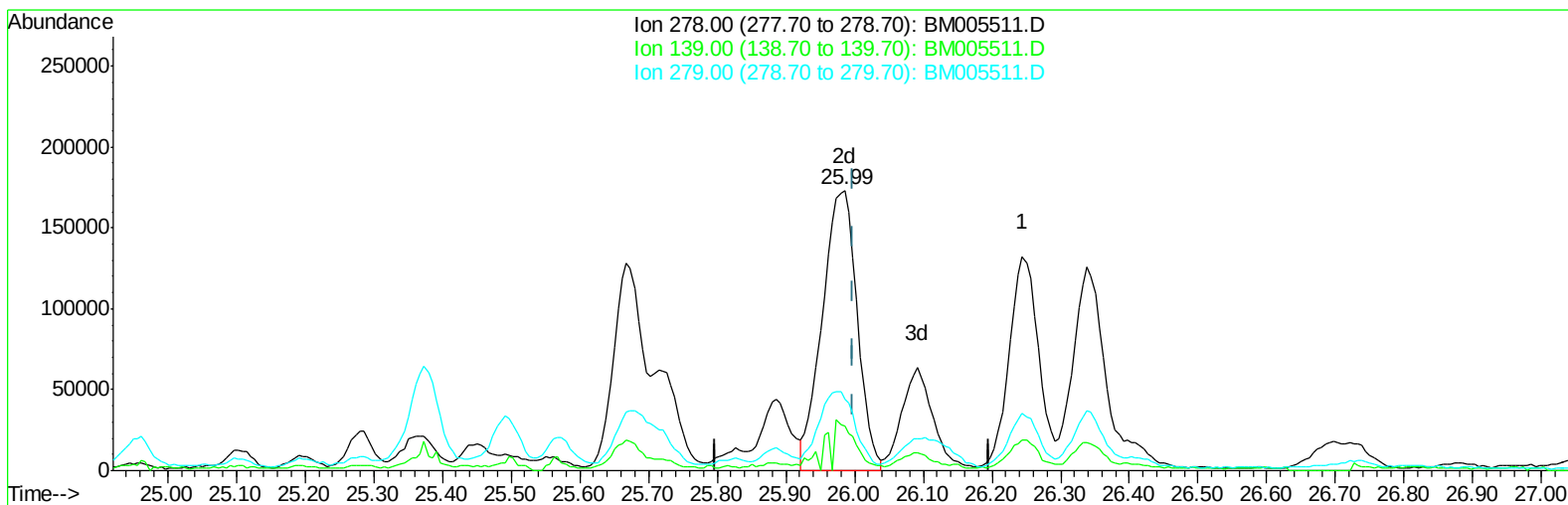
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
Data File : BM005511.D
Acq On : 19 May 2016 23:07
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9WT3

Manual Integrations
APPROVED

sohil
5/20/2016 7:18:14 PM

Quant Time: May 20 01:40:59 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 01:00:58 2016
Response via : Initial Calibration



TIC: BM005511.D

(90) Dibenzo(a,h)anthracene

25.985min (-0.012) 2702.57ng/ul m

response 610389

Ion	Exp%	Act%
278.00	100	100
139.00	17.20	15.89
279.00	23.60	25.65
0.00	0.00	0.00