

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004051.D
 Acq On : 15 Jan 2016 17:12
 Operator : SJ/UM
 Sample : H1100-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC991

Quant Time: Jan 16 00:38:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 00:22:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	37579	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	181519	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	105250	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	227418	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	191140	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	170696	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3011	3.58	ng/uL	0.00
5) Phenol-d5	6.85	99	73319	23.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	41786	23.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	61543	24.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	48010	18.99	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	31839	23.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	34859	23.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	60671	22.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	74496	21.19	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	201569	24.39	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	248909	24.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	26204	17.66	ng/ul	0.00
58) Fluorene-d10	15.32	176	176814	25.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	15795	12.32	ng/ul	0.00
71) Anthracene-d10	17.17	188	262264	24.93	ng/ul	0.00
79) Pyrene-d10	19.47	212	272511	27.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	216822	25.43	ng/ul	0.00

Target Compounds

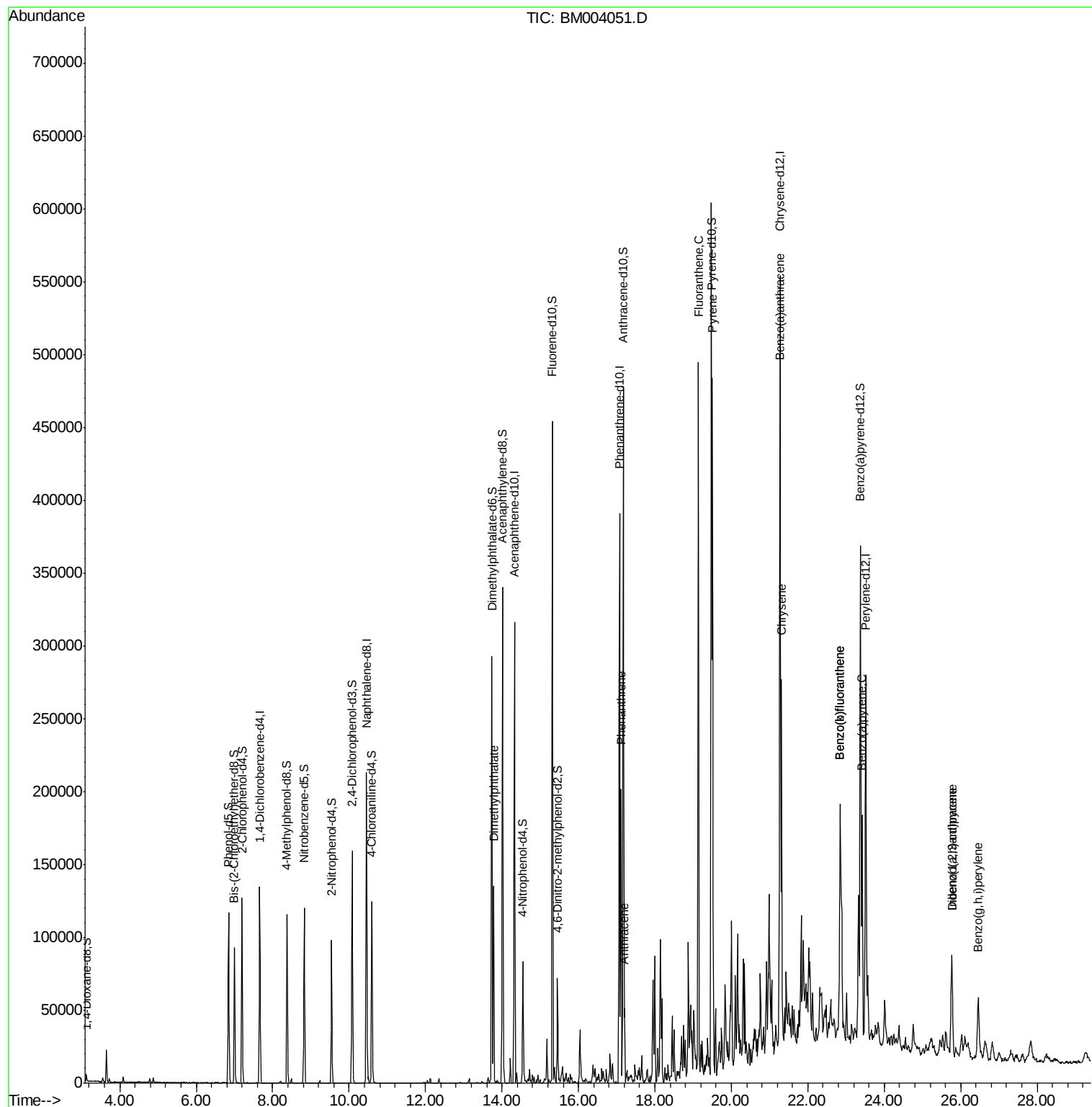
						Qvalue
45) Dimethylphthalate	13.78	163	89126	10.58	ng/ul	100
70) Phenanthrene	17.12	178	121570	9.51	ng/ul	99
72) Anthracene	17.20	178	32756	2.50	ng/ul	99
77) Fluoranthene	19.14	202	269938	20.31	ng/ul	98
80) Pyrene	19.50	202	288610	22.24	ng/ul	97
83) Benzo(a)anthracene	21.26	228	123728	10.87	ng/ul	98
85) Chrysene	21.32	228	133603	12.35	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	139998	13.49	ng/ul	98
89) Benzo(k)fluoranthene	22.84	252	34949	3.54	ng/ul#	98
91) Benzo(a)pyrene	23.42	252	101489	10.31	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.77	276	60654	5.57	ng/ul	95
93) Dibenzo(a,h)anthracene	25.77	278	19475	2.13	ng/ul#	86
94) Benzo(g,h,i)perylene	26.46	276	51889	5.68	ng/ul	98

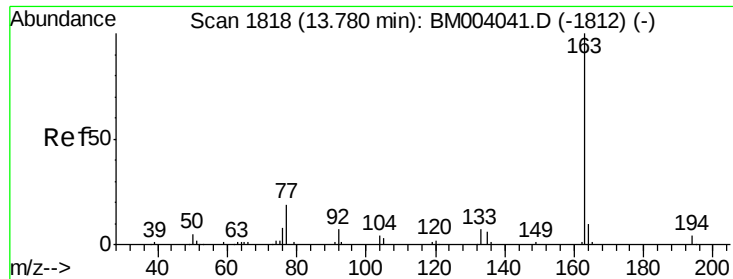
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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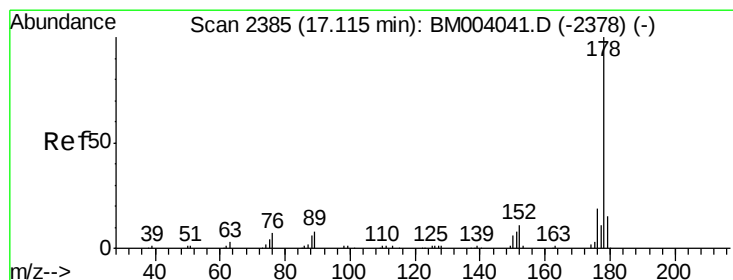
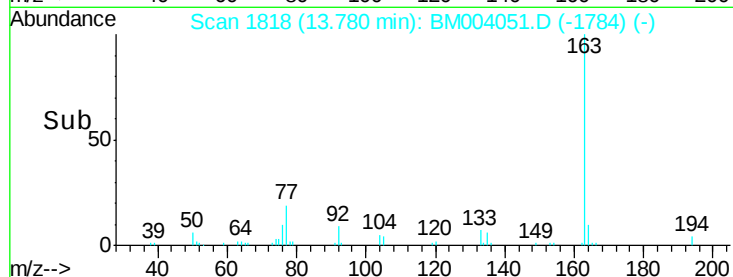
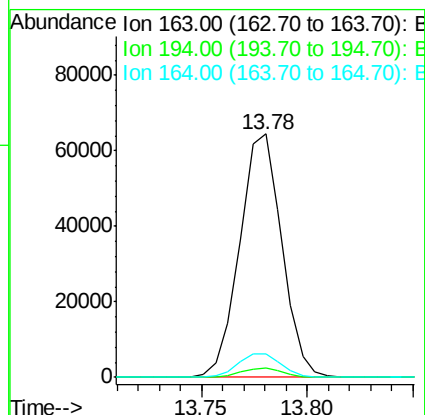
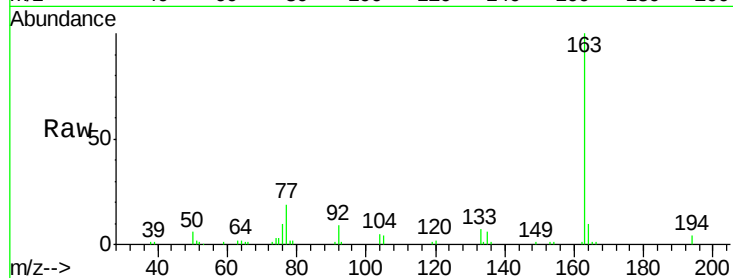




#45
Dimethylphthalate
Concen: 10.58 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM004051.D
Acq: 15 Jan 2016 17:12

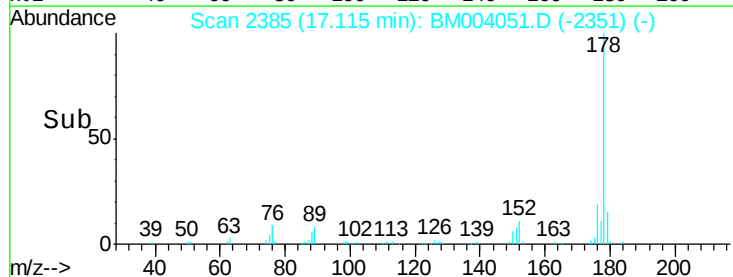
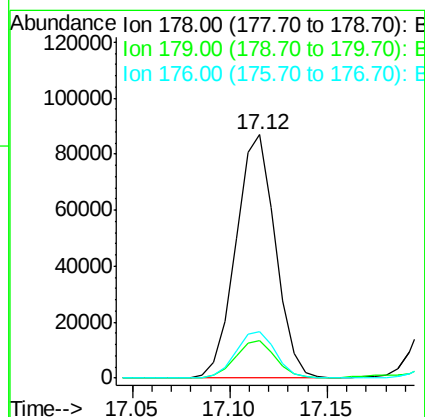
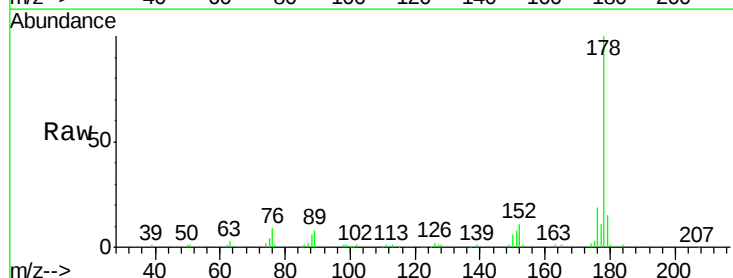
Instrument :
BNA_M
ClientSampleId :
BC991

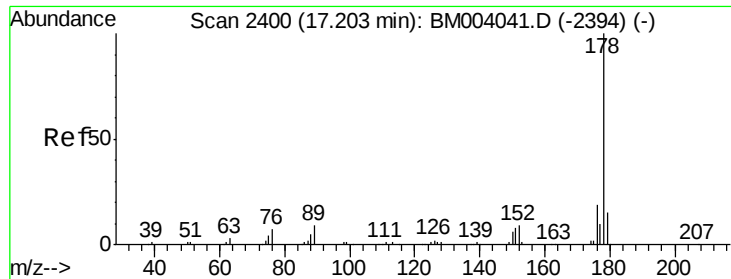
Tgt Ion:163 Resp: 89126
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.7 7.8 11.8



#70
Phenanthrene
Concen: 9.51 ng/ul
RT: 17.12 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BM004051.D
Acq: 15 Jan 2016 17:12

Tgt Ion:178 Resp: 121570
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.4
176 19.0 15.6 23.4





#72

Anthracene

Concen: 2.50 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

Instrument :

BNA_M

ClientSampled :

BC991

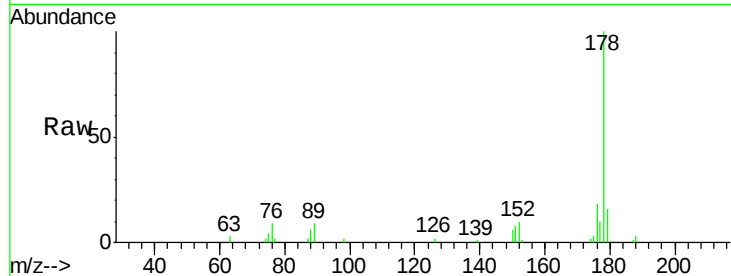
Tgt Ion:178 Resp: 32756

Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

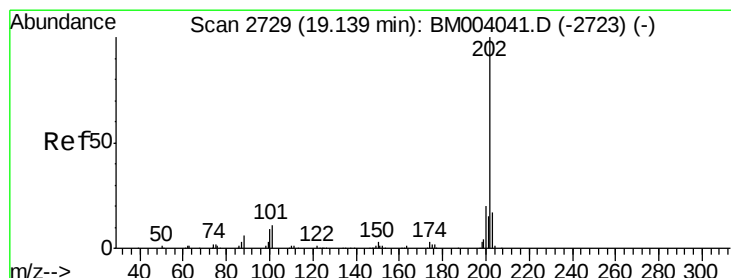
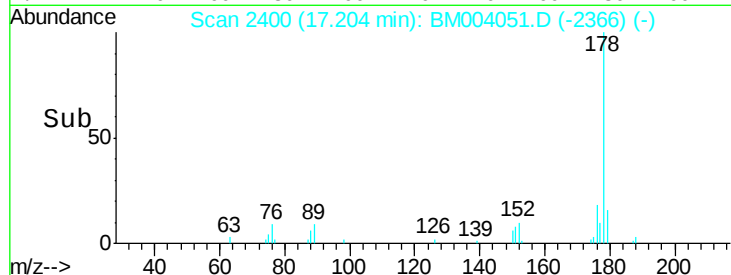
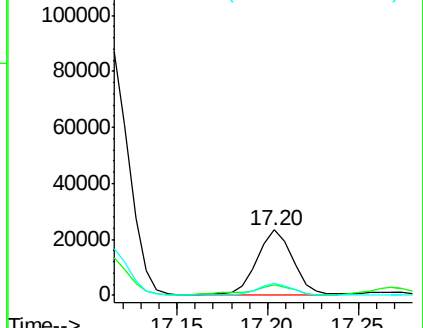
176 18.1 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 20.31 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

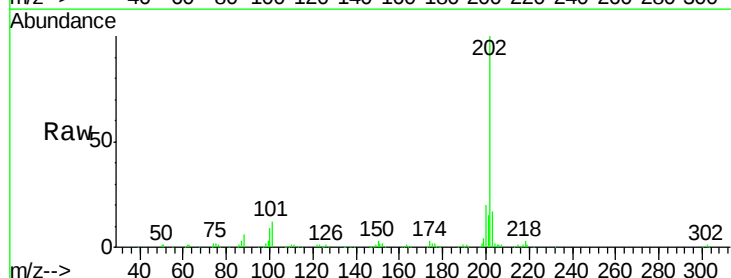
Tgt Ion:202 Resp: 269938

Ion Ratio Lower Upper

202 100

101 11.8 8.8 13.2

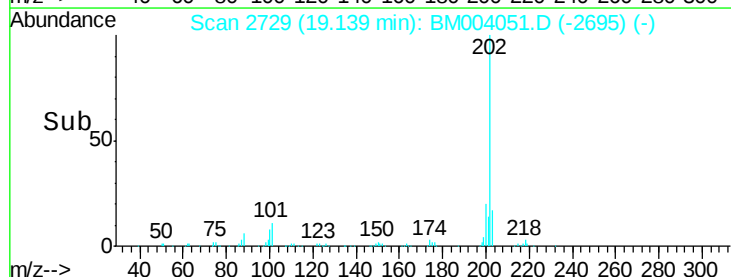
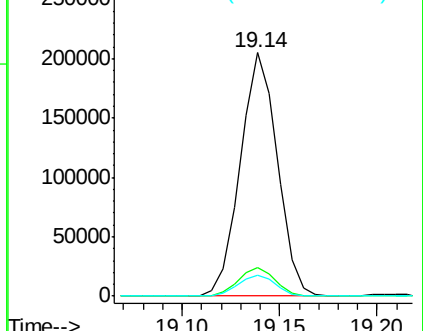
100 8.7 6.6 9.8

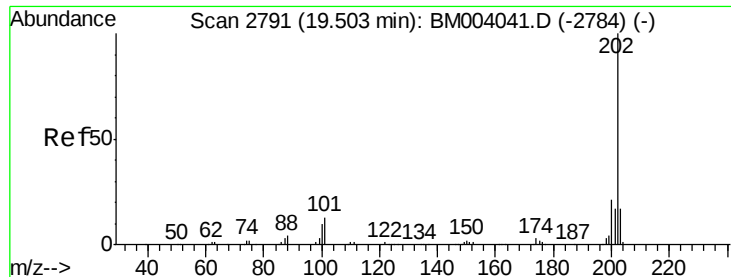


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

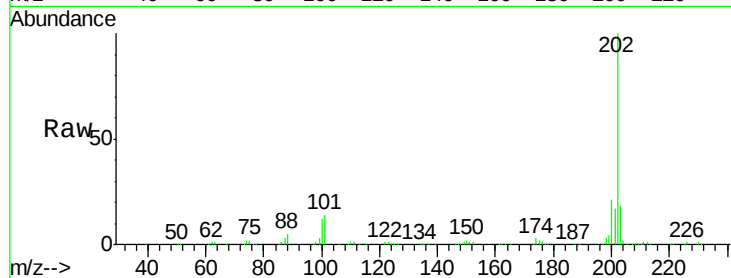




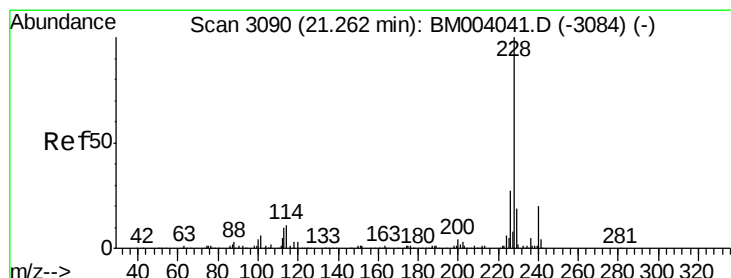
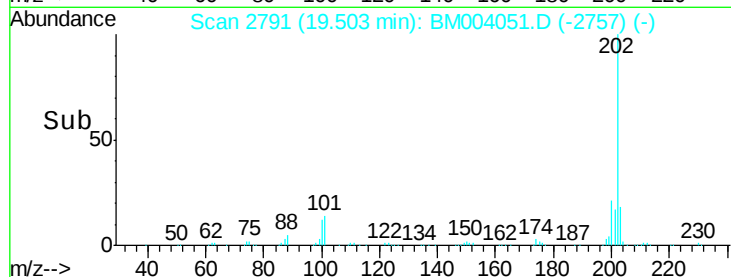
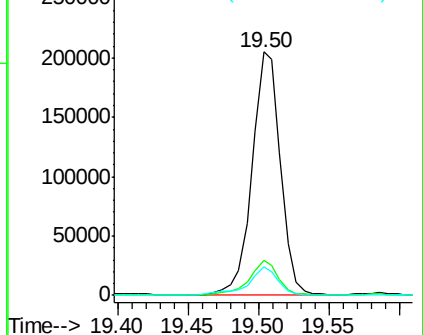
#80
 Pyrene
 Concen: 22.24 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004051.D
 Acq: 15 Jan 2016 17:12

Instrument :
 BNA_M
 ClientSampled :
 BC991

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	10.2	15.2
100	11.5	8.5	12.7

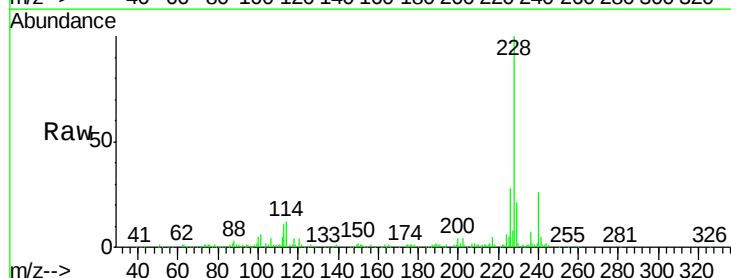


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

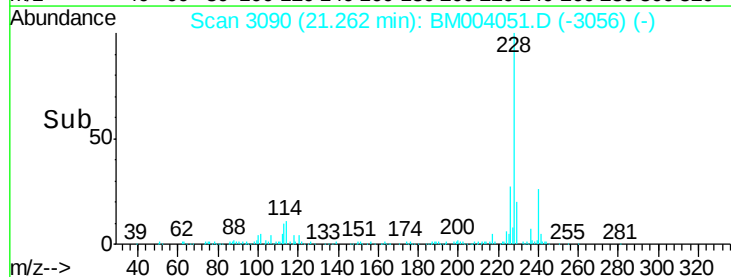
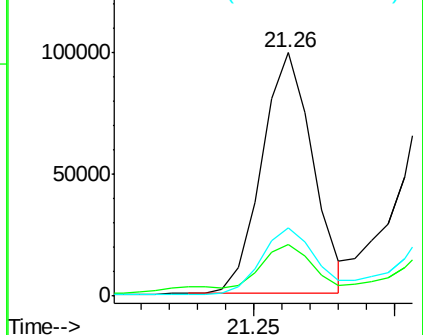


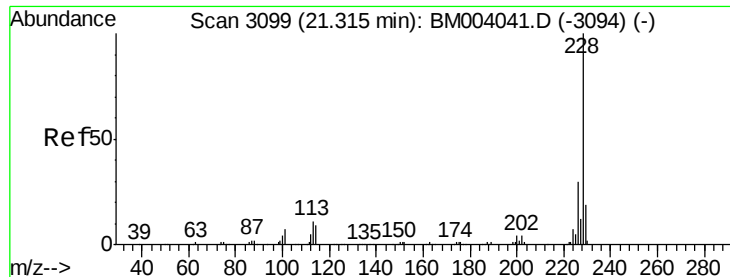
#83
 Benzo(a)anthracene
 Concen: 10.87 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.00 min
 Lab File: BM004051.D
 Acq: 15 Jan 2016 17:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.7	23.5
226	27.9	21.8	32.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 12.35 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

Instrument :

BNA_M

ClientSampleId :

BC991

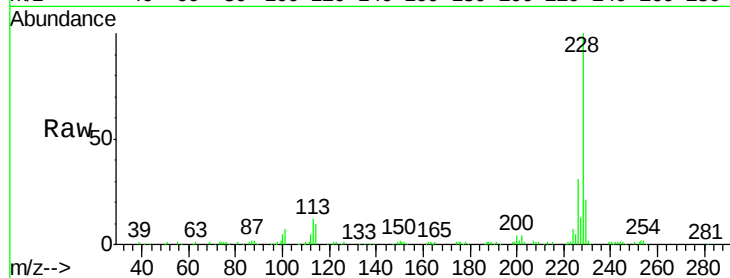
Tgt Ion:228 Resp: 133603

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

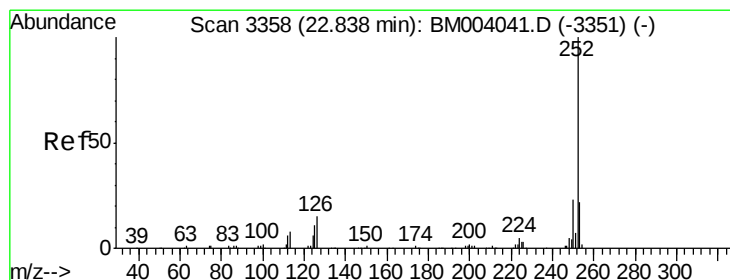
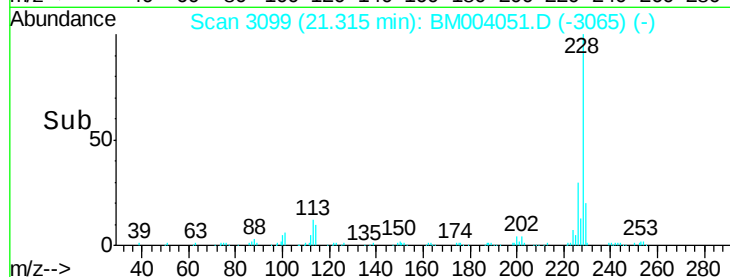
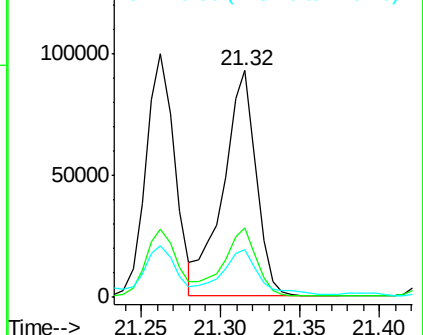
229 21.2 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 13.49 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

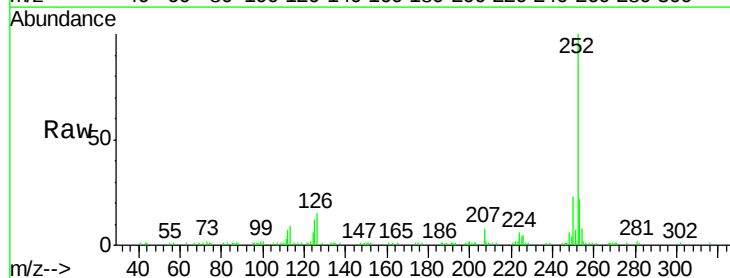
Tgt Ion:252 Resp: 139998

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

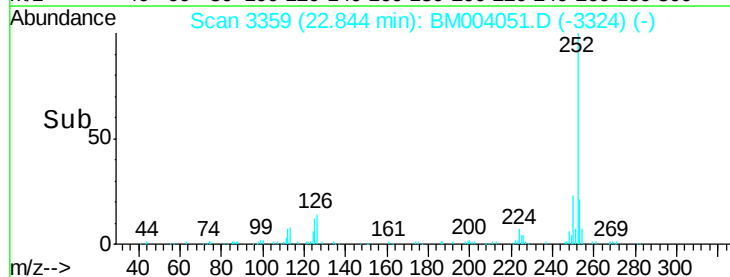
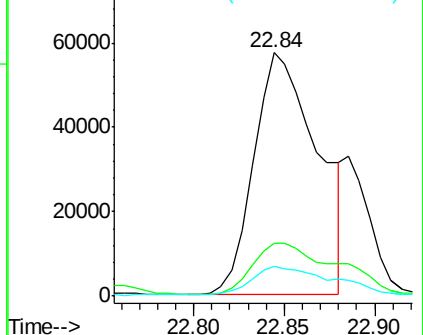
125 12.3 8.5 12.7

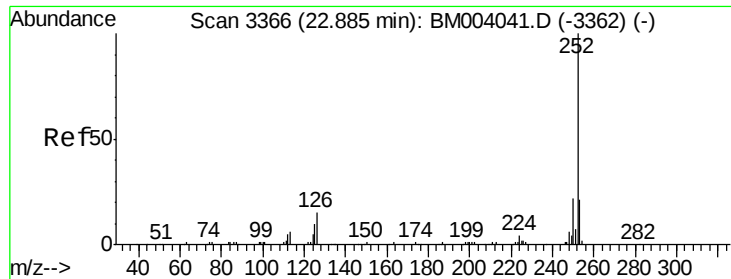


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.54 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

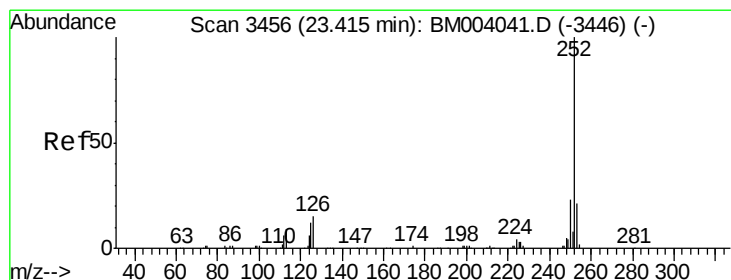
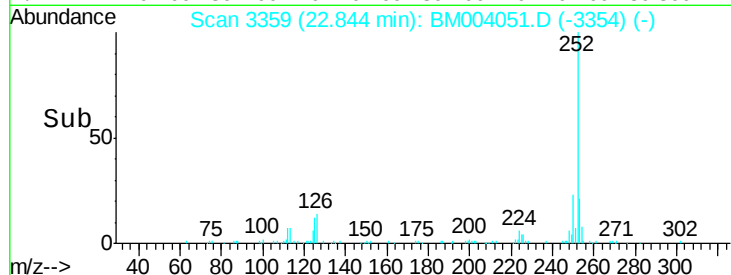
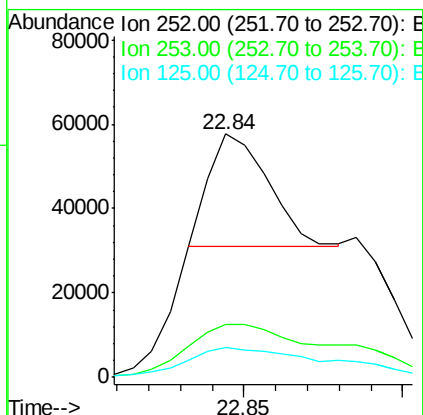
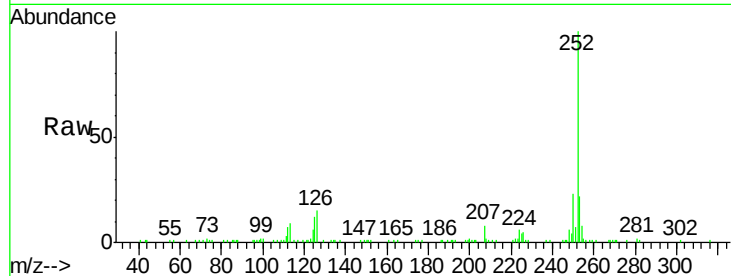
Instrument :

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Tgt Ion:	252	Resp:	34949
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.3	25.9
125	12.3	8.2	12.2#



#91

Benzo(a)pyrene

Concen: 10.31 ng/ul

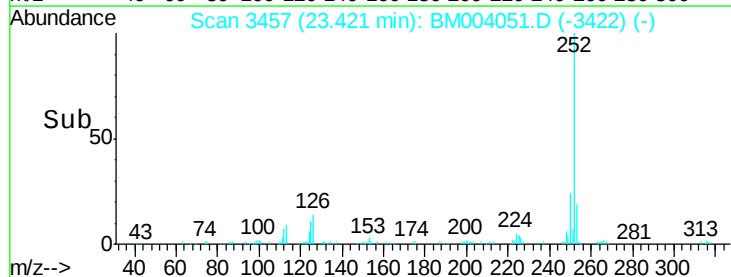
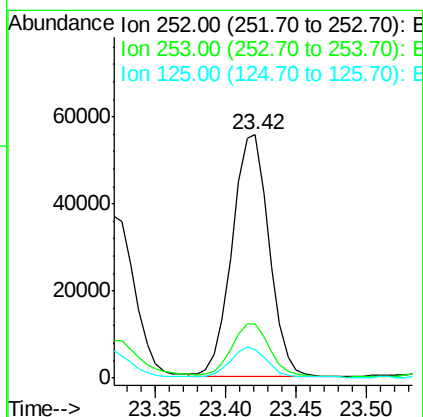
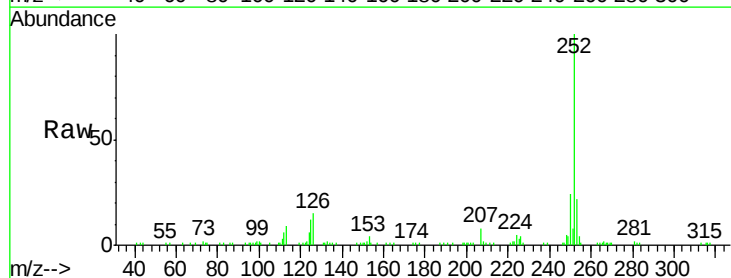
RT: 23.42 min Scan# 3457

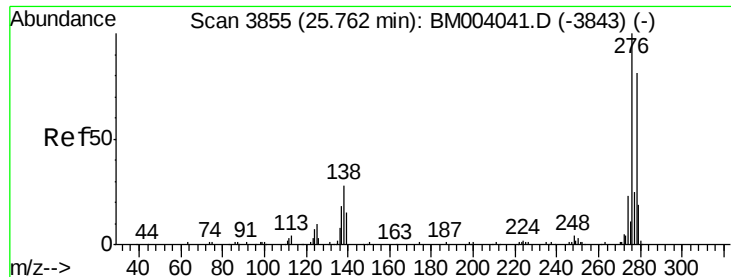
Delta R.T. 0.01 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

Tgt Ion:	252	Resp:	101489
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.2	25.8
125	11.8	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.57 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.01 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

Instrument :

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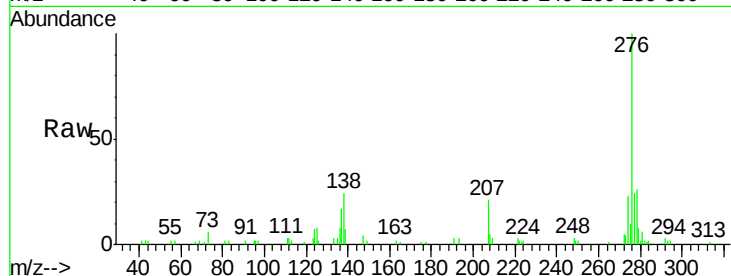
Tgt Ion:276 Resp: 60654

Ion Ratio Lower Upper

276 100

138 23.7 22.3 33.5

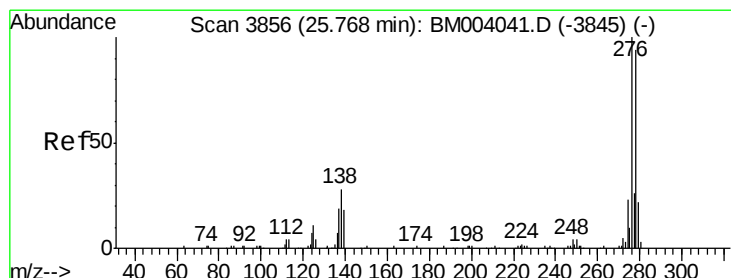
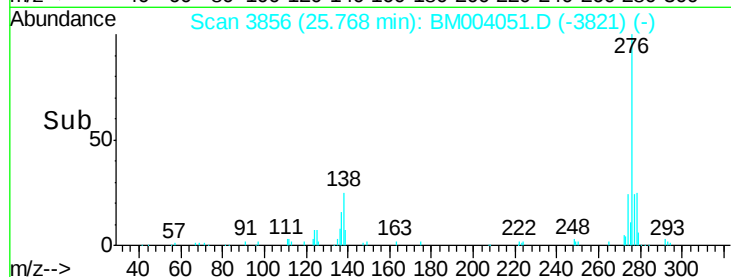
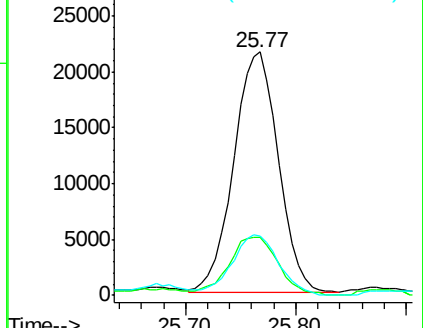
277 24.3 20.2 30.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 2.13 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM004051.D

Acq: 15 Jan 2016 17:12

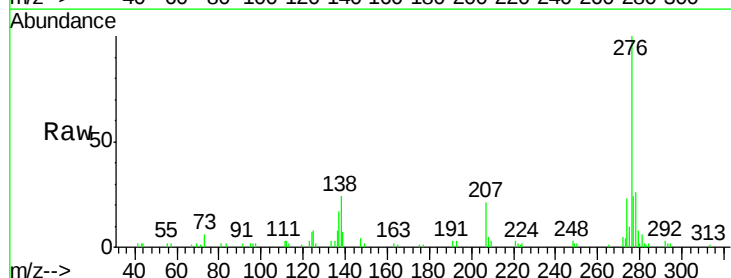
Tgt Ion:278 Resp: 19475

Ion Ratio Lower Upper

278 100

139 26.1 13.9 20.9#

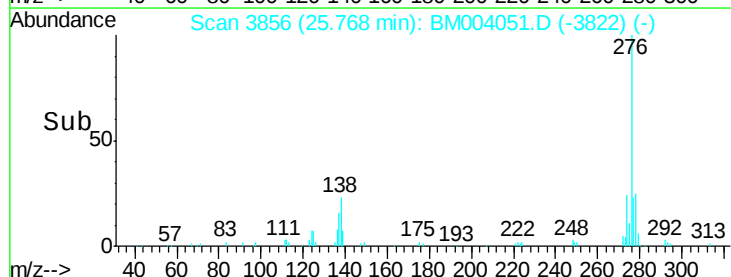
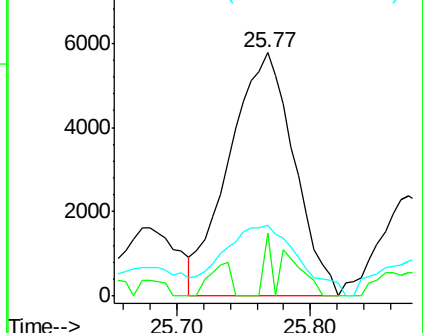
279 28.8 19.0 28.4#

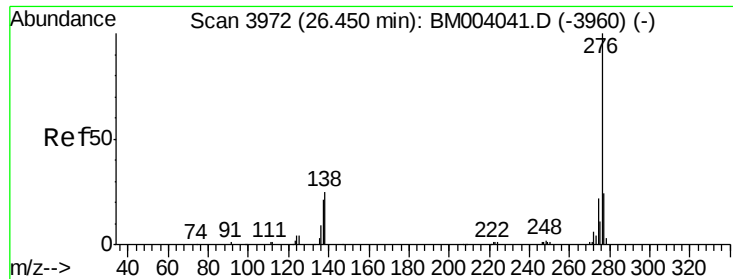


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 5.68 ng/ul

RT: 26.46 min Scan# 3973

Delta R.T. 0.01 min

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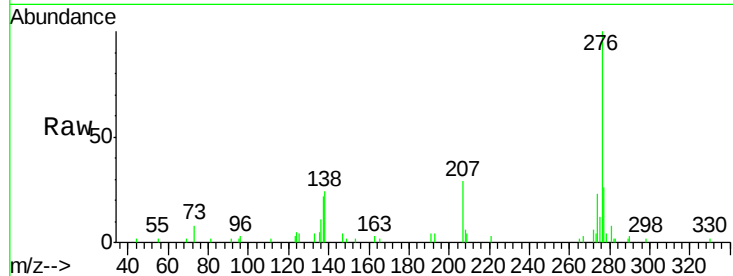
Tgt Ion:276 Resp: 51889

Ion Ratio Lower Upper

276 100

138 24.2 18.9 28.3

277 25.6 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

