

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082378.D
 Acq On : 20 Oct 2015 3:07
 Operator : UM/IZ
 Sample : G4040-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-05

Quant Time: Oct 20 03:39:07 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 03:15:01 2015
 Response via : Initial Calibration

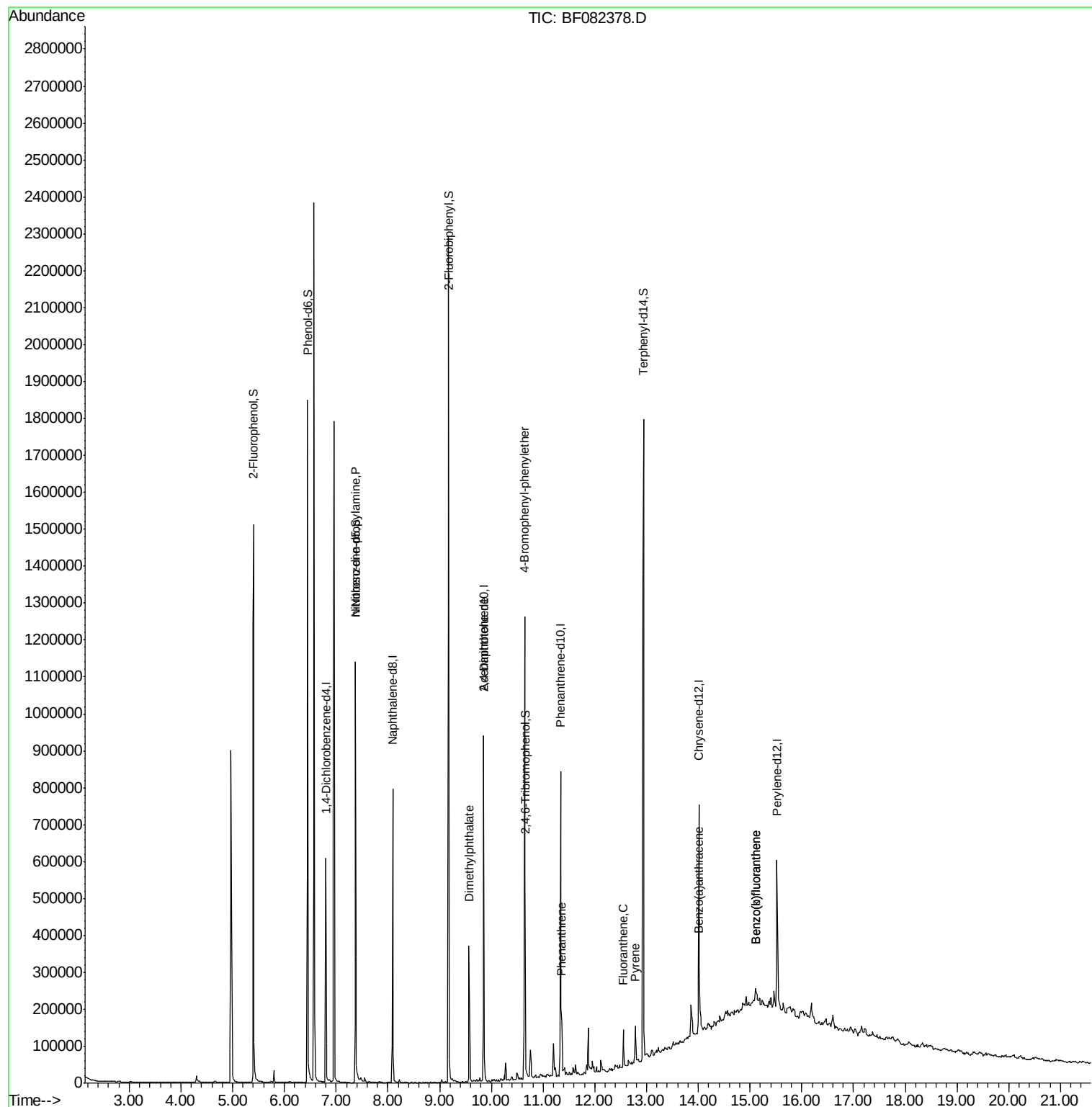
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	94170	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	358029	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	182475	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	322456	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	233103	20.00	ng	-0.01
86) Perylene-d12	15.52	264	212810	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	599006	128.38	ng	0.01
7) Phenol-d6	6.45	99	690944	113.79	ng	-0.01
23) Nitrobenzene-d5	7.37	82	430995	80.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	163542	95.57	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	924363	84.01	ng	0.00
78) Terphenyl-d14	12.94	244	764854	86.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	55682	13.06	ng	# 80
49) Dimethylphthalate	9.57	163	195343	15.20	ng	100
55) 4-Nitrophenol	10.06	139	438	Below Cal	#	11
56) 2,4-Dinitrotoluene	9.85	165	23481	6.93	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	11726	3.63	ng	# 1
70) Phenanthrene	11.36	178	51669	3.27	ng	99
74) Fluoranthene	12.55	202	53613	3.16	ng	96
77) Pyrene	12.78	202	62482	4.52	ng	97
80) Benzo(a)anthracene	14.00	228	26253	2.16	ng	97
87) Benzo(b)fluoranthene	15.11	252	35364	2.73	ng	# 83
88) Benzo(k)fluoranthene	15.11	252	35364	3.25	ng	# 82

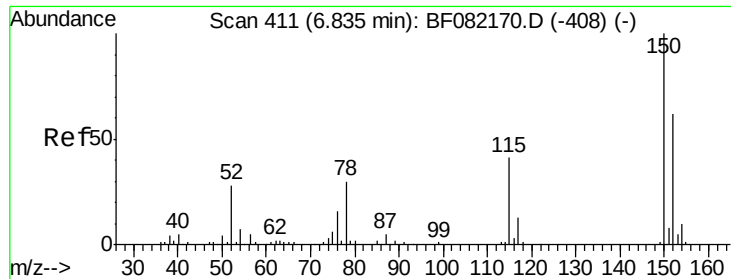
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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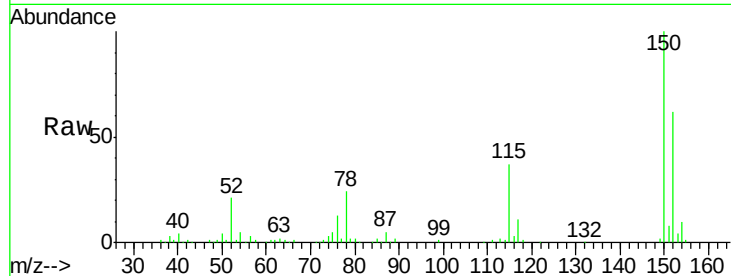


#1

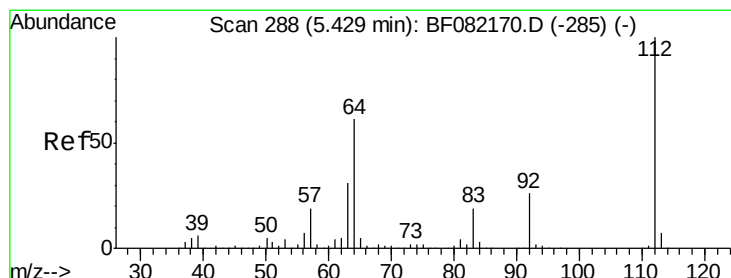
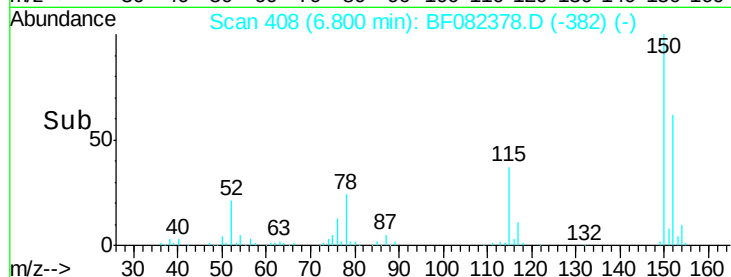
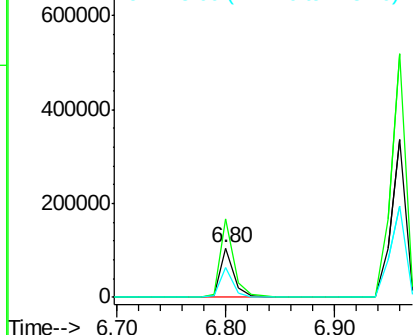
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-05

Tot Ion:152 Resp: 94170
Ion Ratio Lower Upper
152 100
150 160.1 129.0 193.4
115 59.6 52.1 78.1



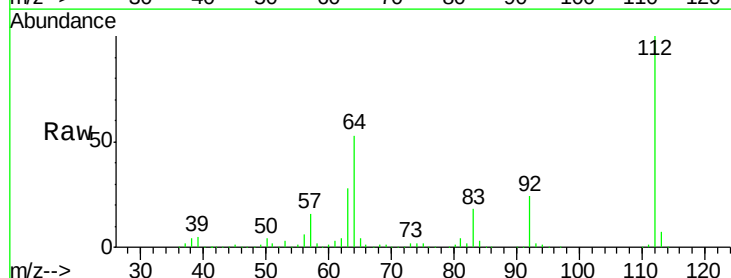
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



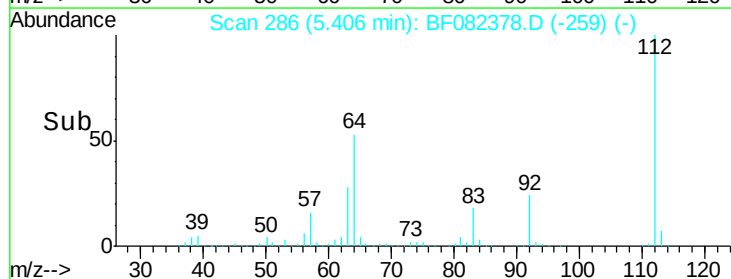
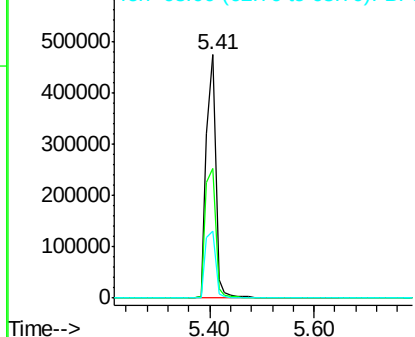
#5

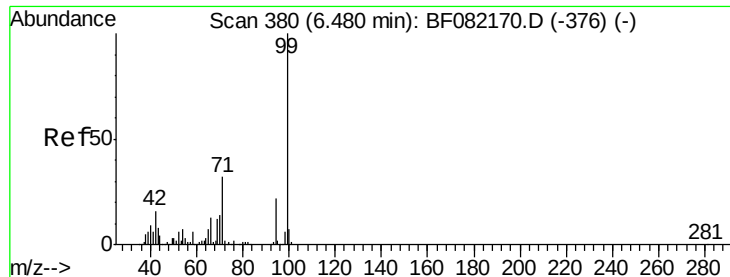
2-Fluorophenol
Concen: 128.38 ng
RT: 5.41 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

Tgt Ion:112 Resp: 599006
Ion Ratio Lower Upper
112 100
64 53.0 48.6 73.0
63 27.7 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.79 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF082378.D

Acq: 20 Oct 2015 3:07

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05

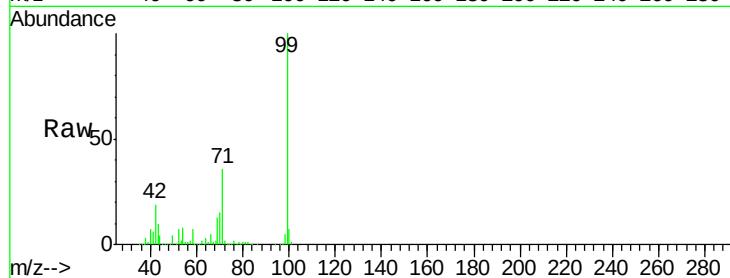
Tot Ion: 99 Resp: 690944

Ion Ratio Lower Upper

99 100

42 18.6 13.2 19.8

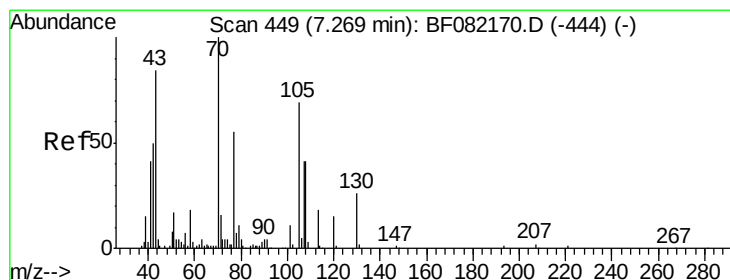
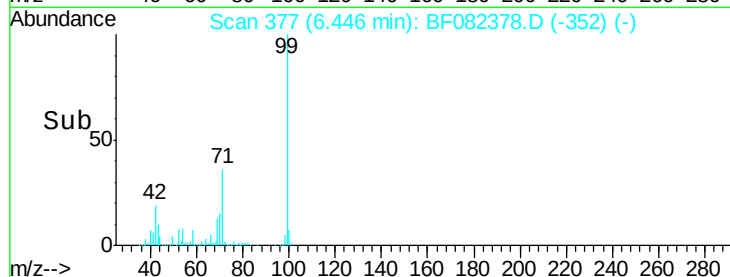
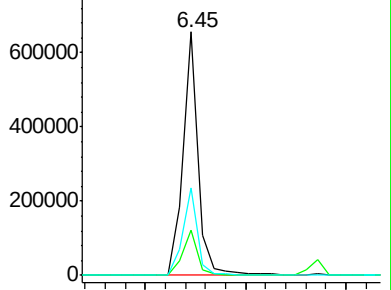
71 35.8 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.06 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.14 min

Lab File: BF082378.D

Acq: 20 Oct 2015 3:07

Tgt Ion: 70 Resp: 55682

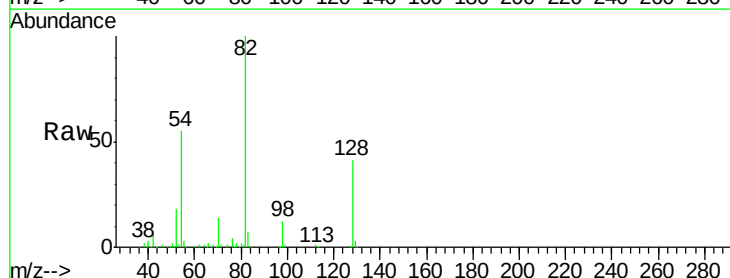
Ion Ratio Lower Upper

70 100

42 46.5 39.8 59.8

101 0.0 8.6 13.0#

130 1.7 20.5 30.7#

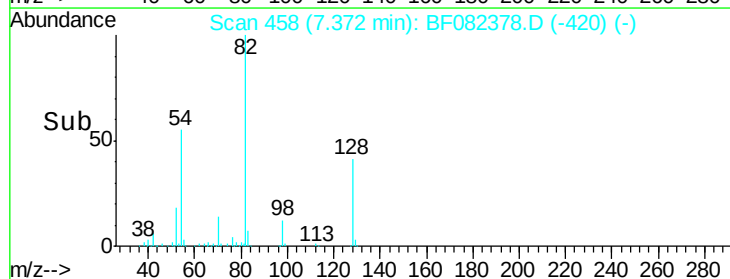
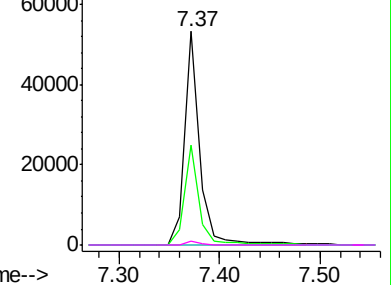


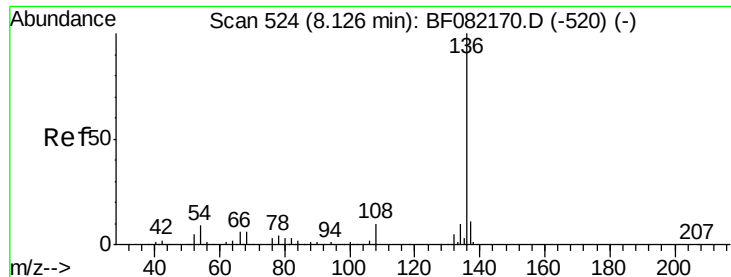
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

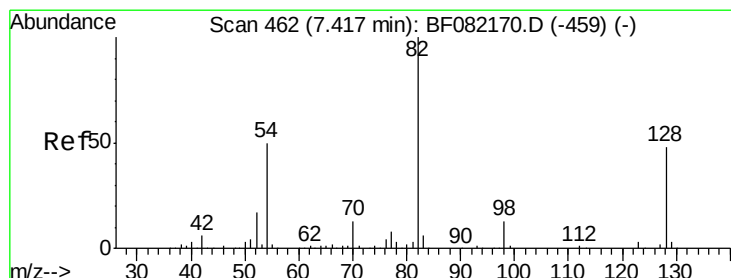
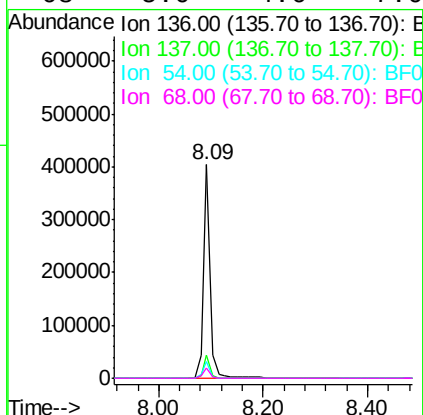
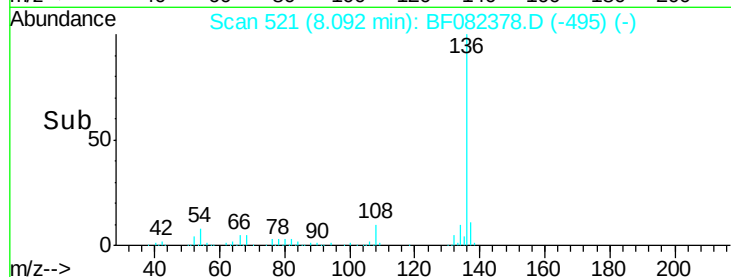
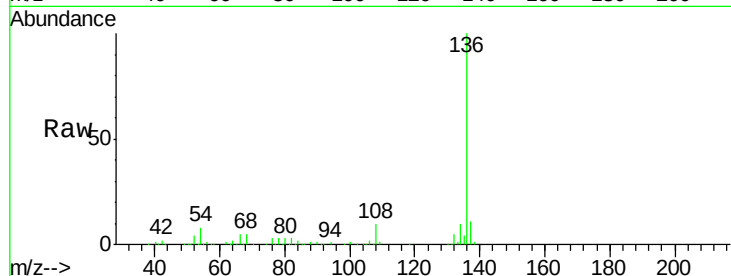




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. 0.00 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

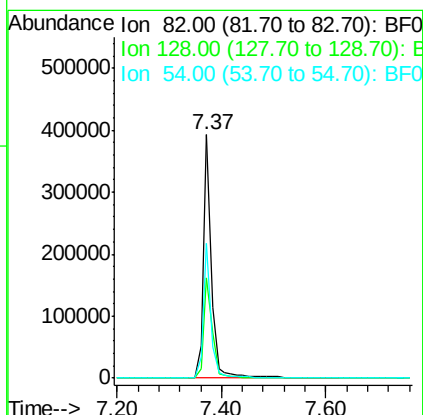
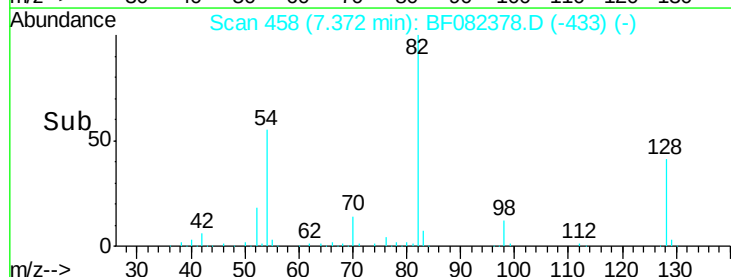
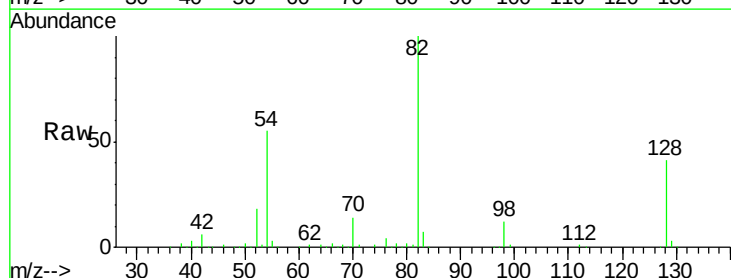
Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-05

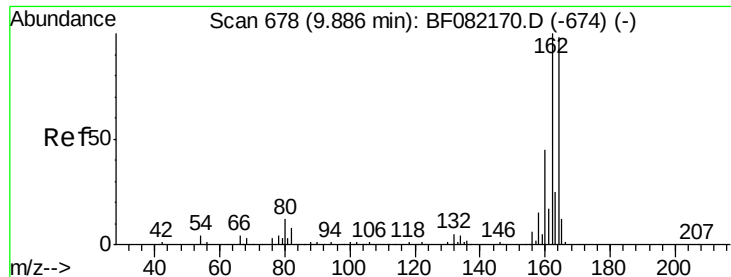
Tot Ion:136	Resp:	358029
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.6
54	7.9	7.5 11.3
68	5.0	4.6 7.0



#23
Nitrobenzene-d5
Concen: 80.84 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

Tgt Ion: 82	Resp:	430995
Ion Ratio	Lower	Upper
82	100	
128	41.4	38.7 58.1
54	55.2	40.1 60.1

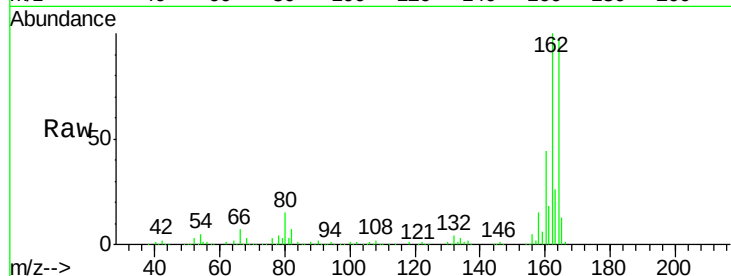




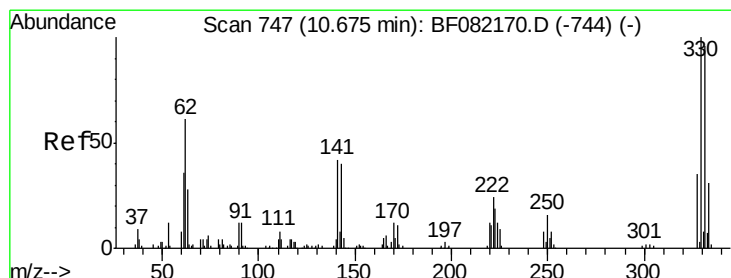
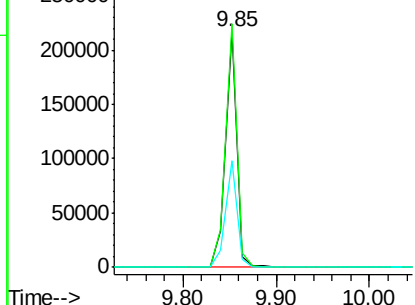
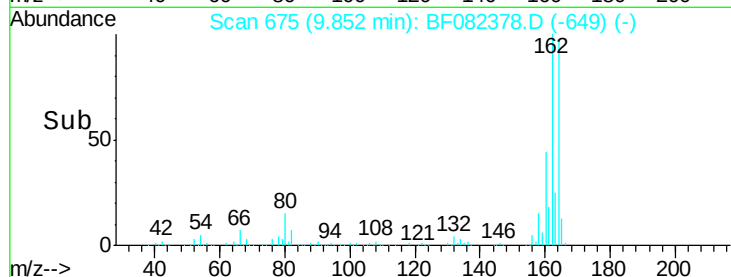
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-05

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	45.1	36.4	54.6

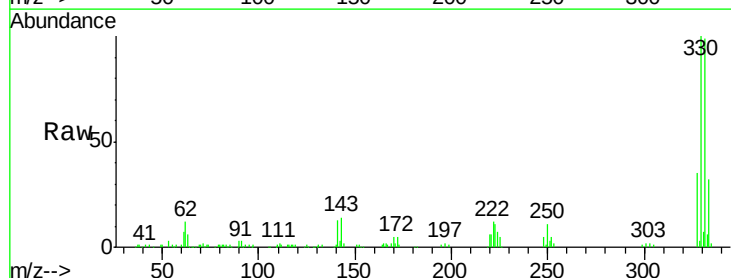


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

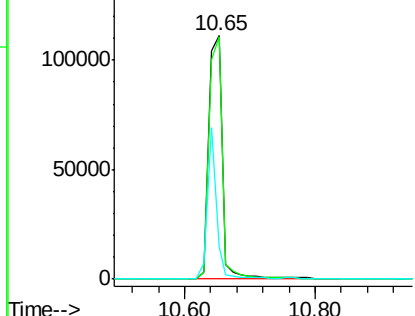
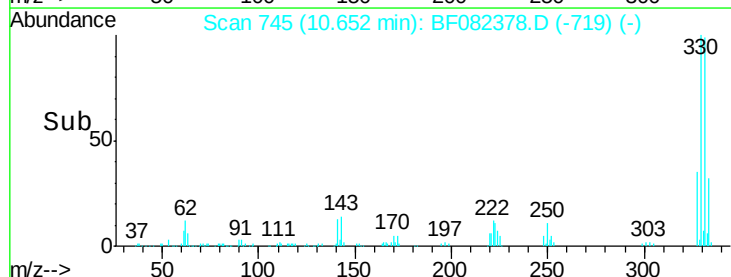


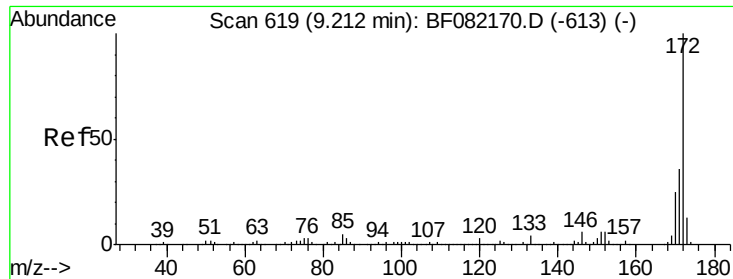
#41
 2,4,6-Tribromophenol
 Concen: 95.57 ng
 RT: 10.65 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.1	115.7
141	41.2	29.8	44.8



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

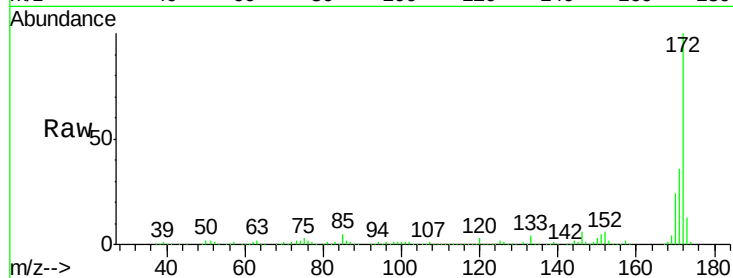




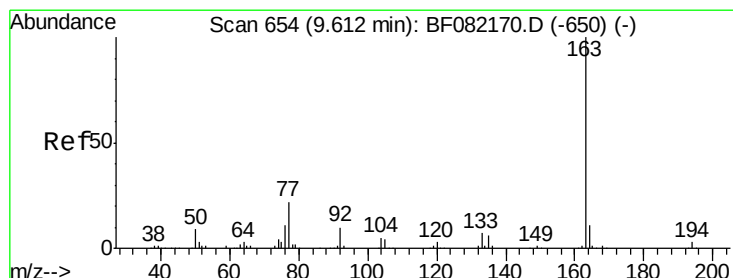
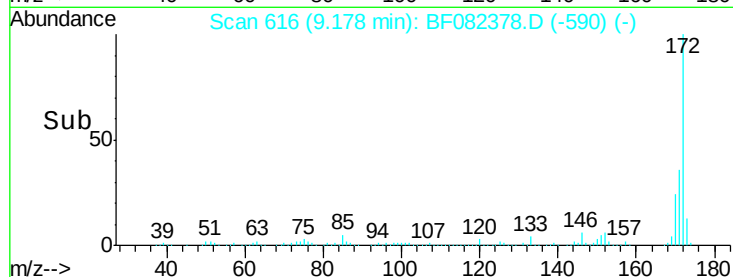
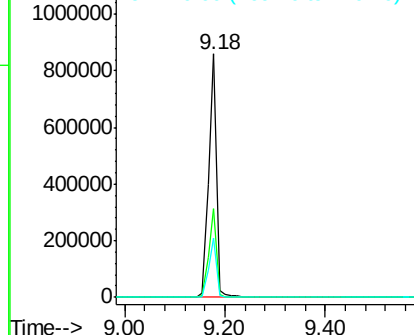
#44
2-Fluorobiphenyl
Concen: 84.01 ng
RT: 9.18 min Scan# 616
Delta R.T. 0.00 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

Instrument :
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ClientSampleId :
IM-MLA-2.5-05

Tot Ion:172 Resp: 924363
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 24.5 19.7 29.5

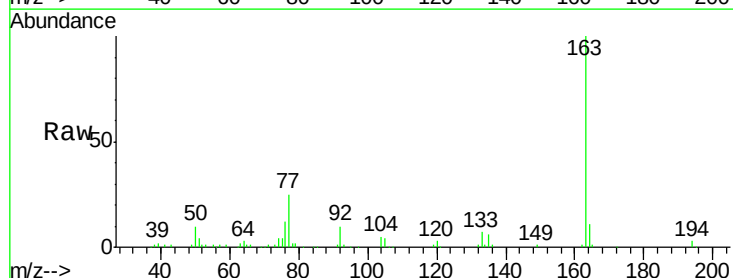


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

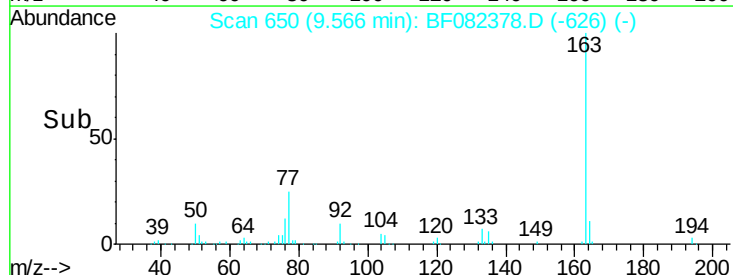
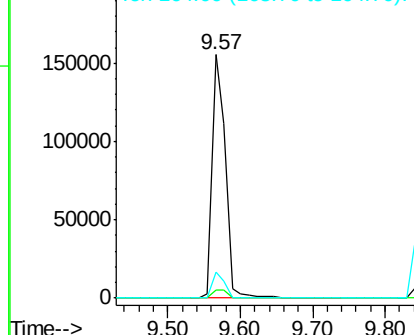


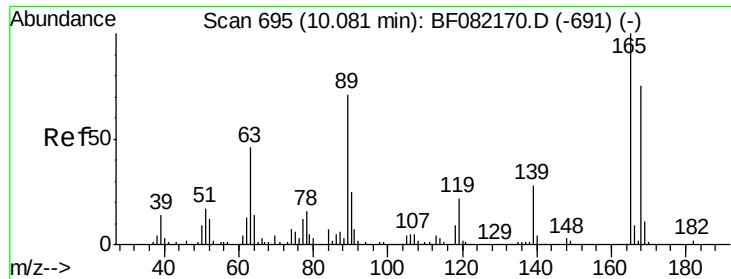
#49
Dimethylphthalate
Concen: 15.20 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

Tgt Ion:163 Resp: 195343
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.6 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

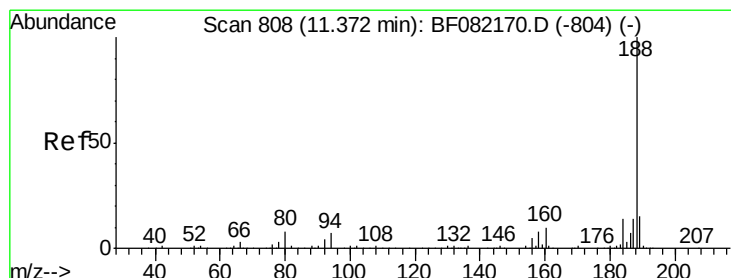
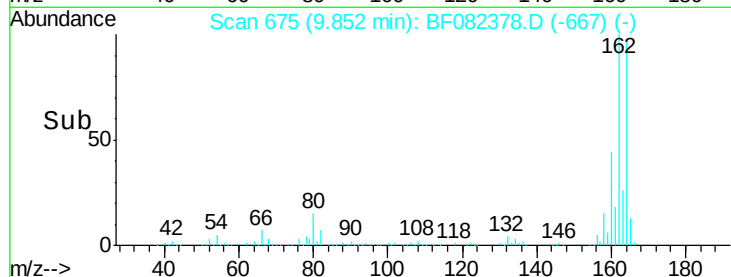
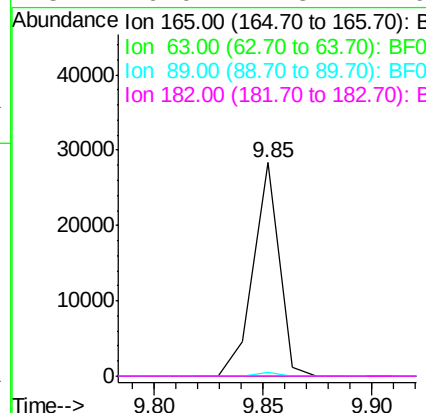
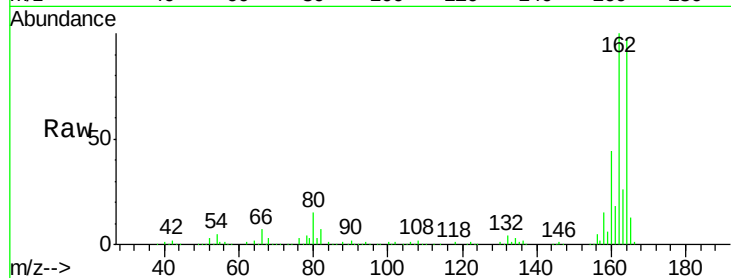




#56
 2,4-Dinitrotoluene
 Concen: 6.93 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

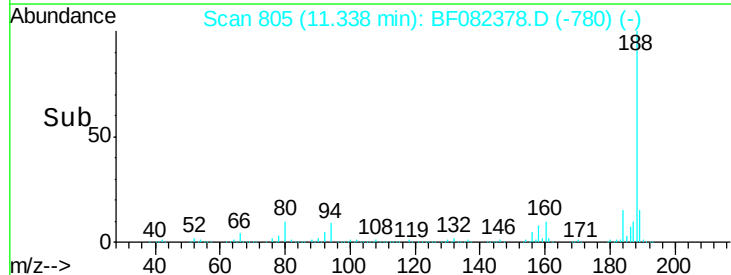
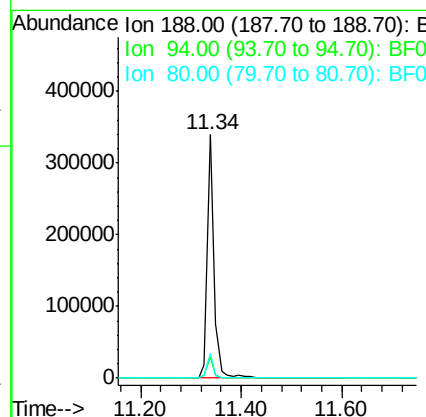
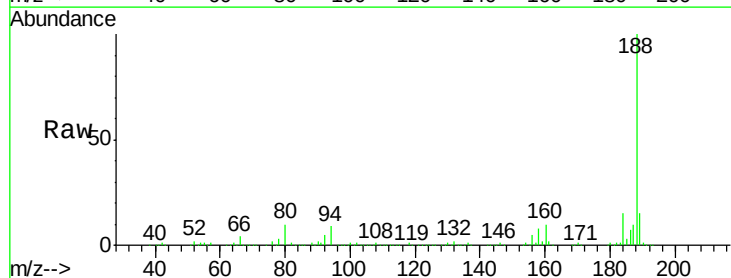
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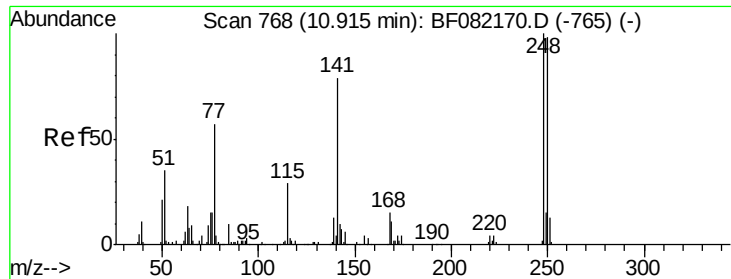
Tot Ion:165	Resp: 23481
Ion Ratio	Lower Upper
165 100	
63 0.0	38.6 58.0#
89 1.5	57.0 85.6#
182 0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

Tgt Ion	Ion:188	Resp:	322456
	Ratio	Lower	Upper
188	100		
94	8.8	5.8	8.6#
80	10.2	6.4	9.6#

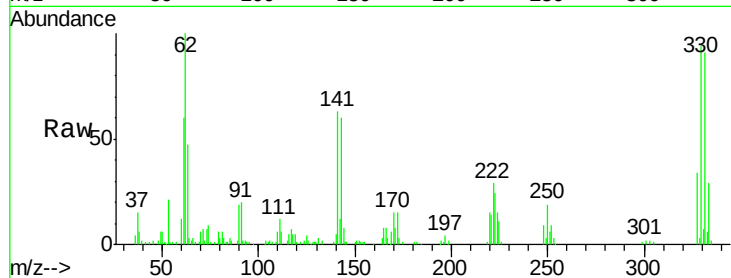




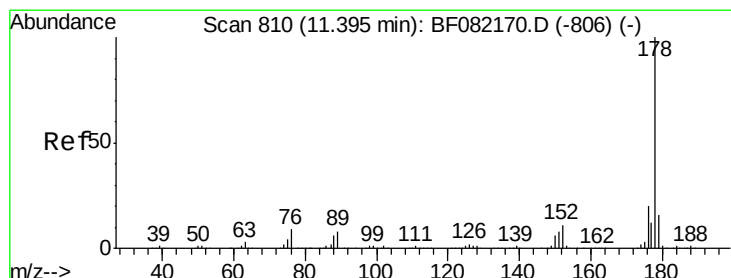
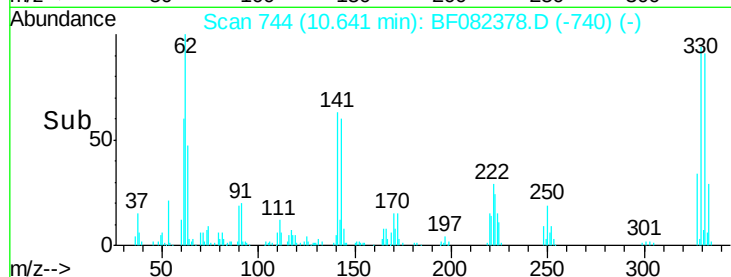
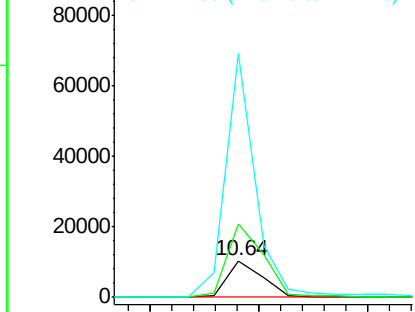
#66
 4-Bromophenyl-phenylether
 Concen: 3.63 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.25 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-05

Tot Ion:248 Resp: 11726
 Ion Ratio Lower Upper
 248 100
 250 202.3 78.6 117.8#
 141 667.7 63.3 94.9#

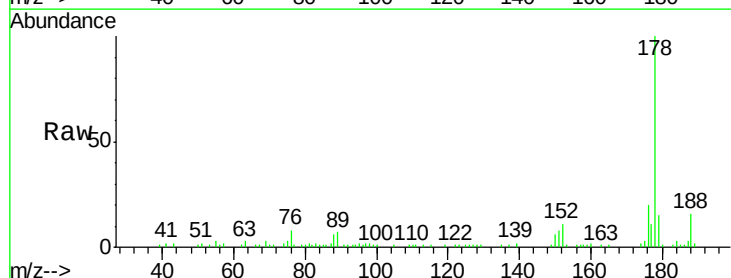


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

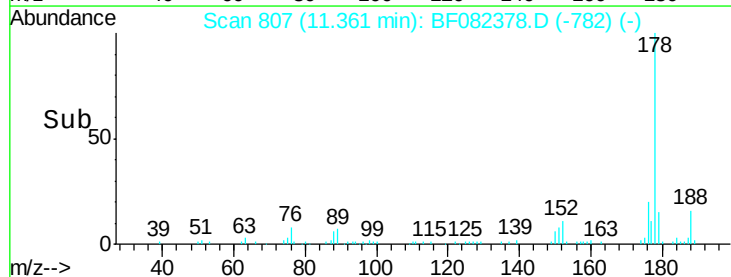
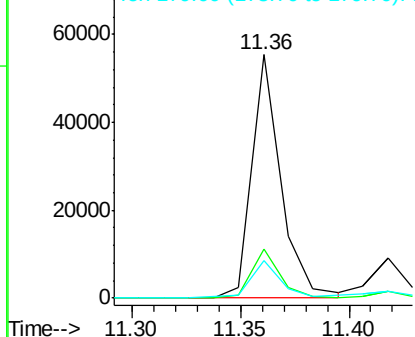


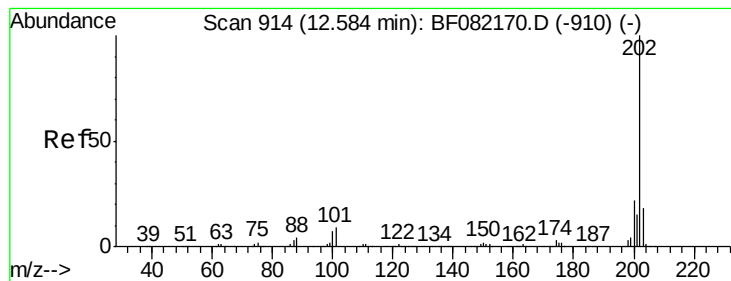
#70
 Phenanthrene
 Concen: 3.27 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

Tgt Ion:178 Resp: 51669
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.0 24.0
 179 15.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

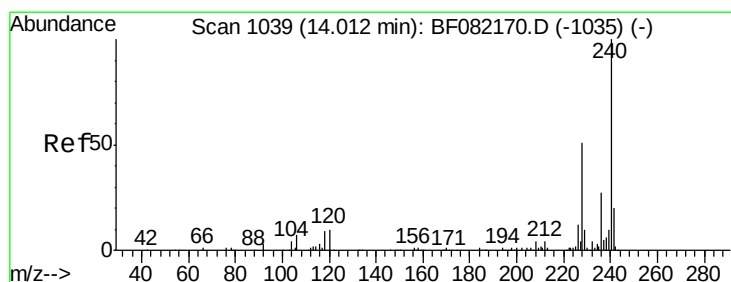
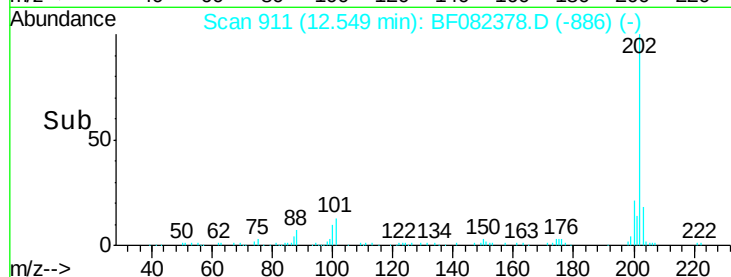
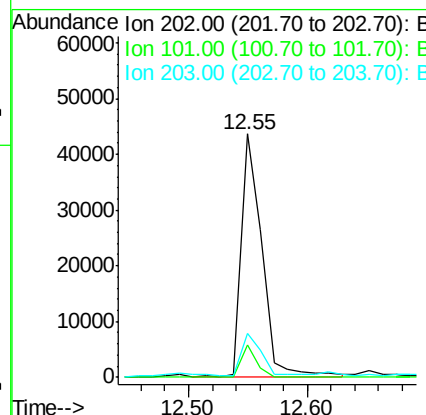
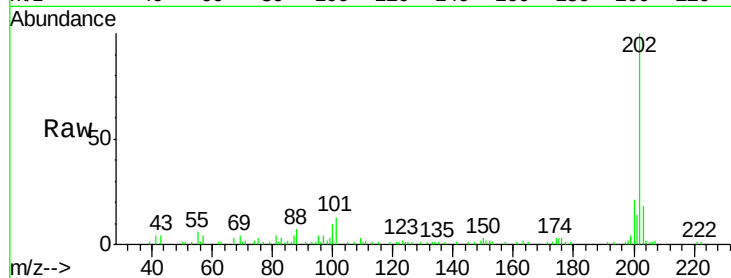




#74
 Fluoranthene
 Concen: 3.16 ng
 RT: 12.55 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

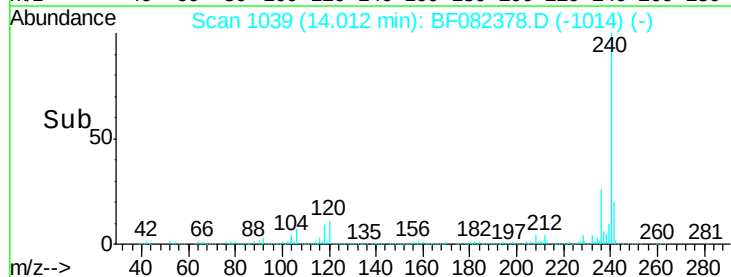
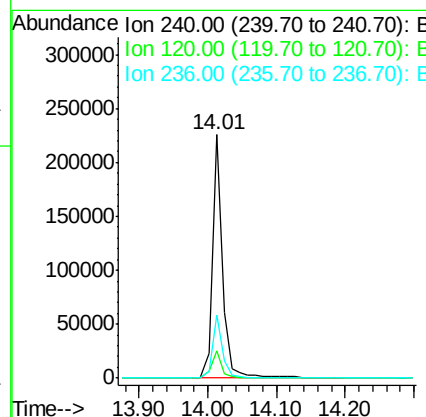
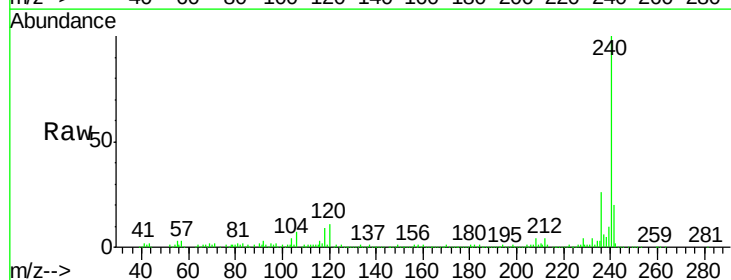
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-05

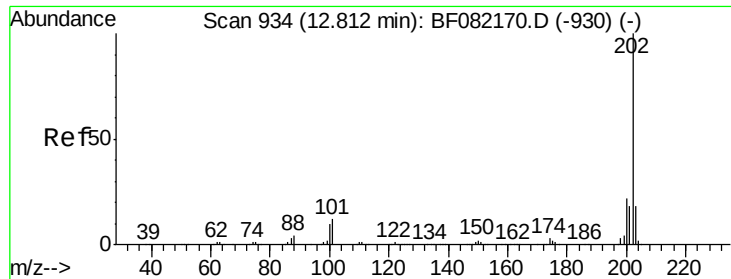
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	29.3
203	18.1	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF082378.D
 Acq: 20 Oct 2015 3:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.1	12.1
236	25.8	21.3	31.9





#77

Pvrene

Concen: 4.52 ng

RT: 12.78 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF082378.D

Acq: 20 Oct 2015 3:07

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05

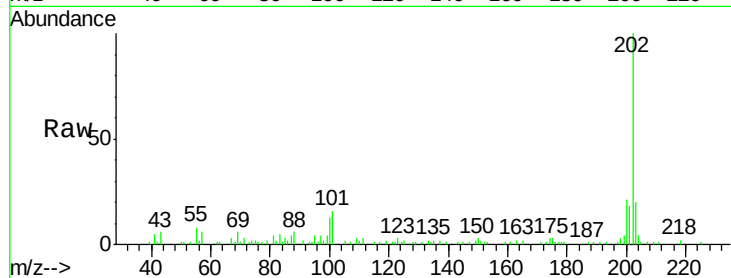
Tot Ion:202 Resp: 62482

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

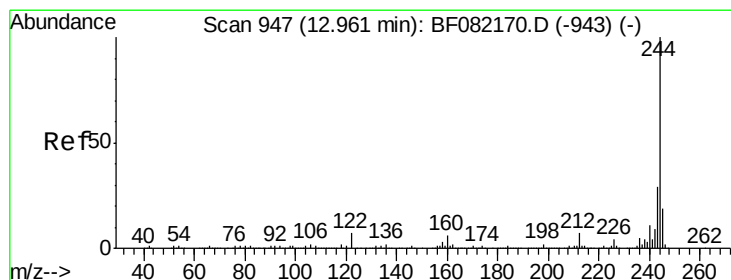
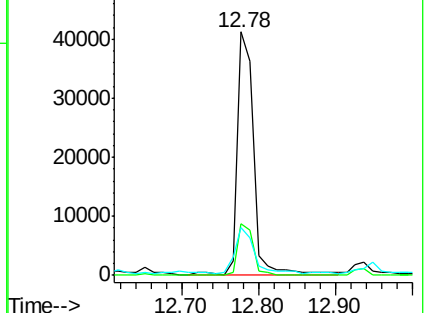
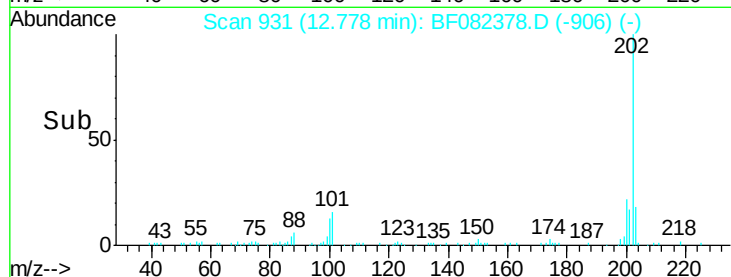
203 19.8 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.95 ng

RT: 12.94 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF082378.D

Acq: 20 Oct 2015 3:07

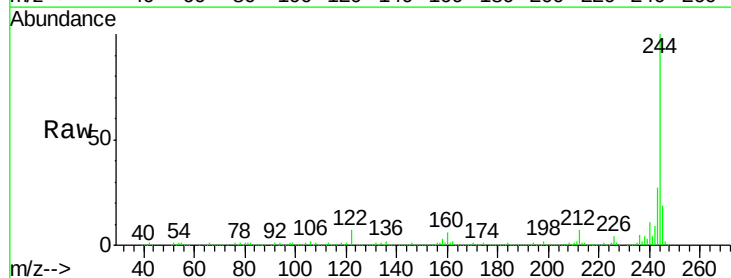
Tgt Ion:244 Resp: 764854

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

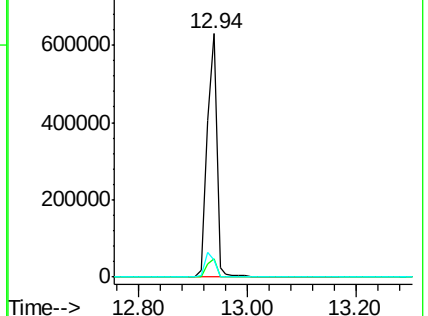
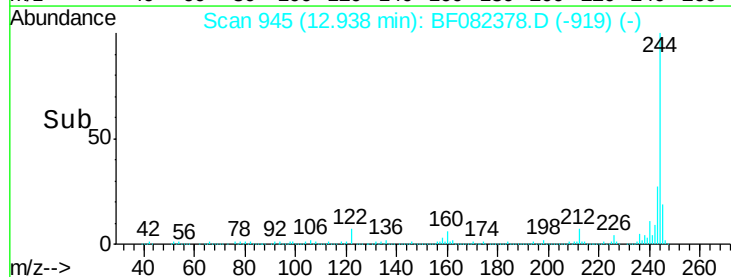
122 7.1 5.9 8.9

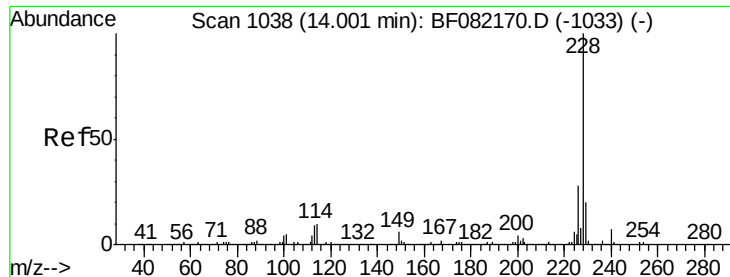


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.16 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082378.D

Acq: 20 Oct 2015 3:07

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05

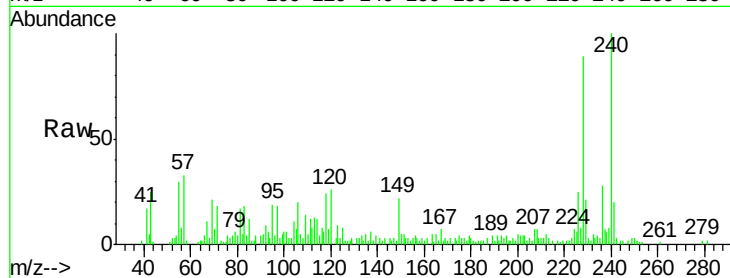
Tot Ion:228 Resp: 26253

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

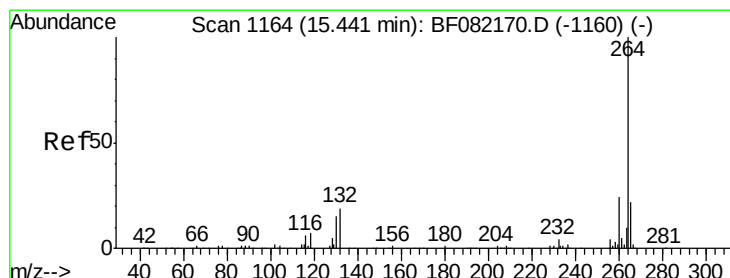
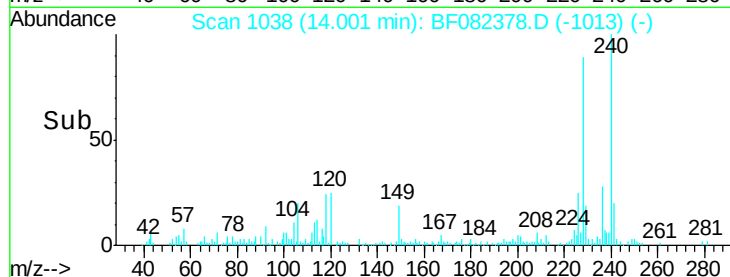
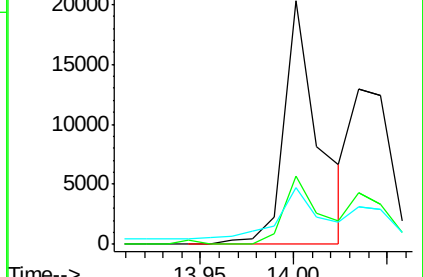
229 23.2 16.2 24.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BF082378.D

Acq: 20 Oct 2015 3:07

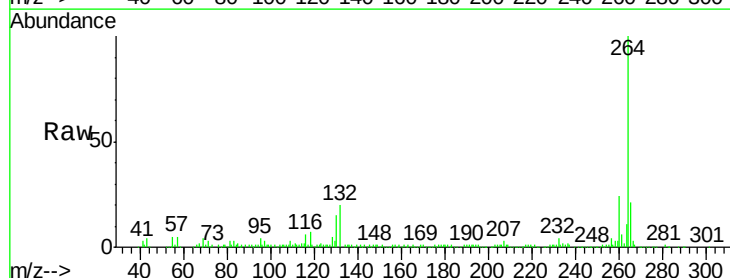
Tgt Ion:264 Resp: 212810

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

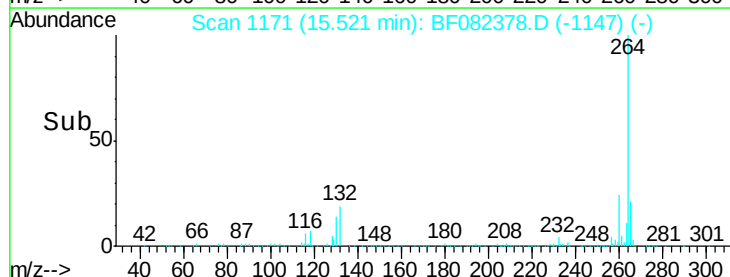
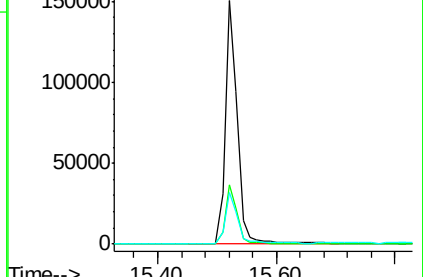
265 21.4 17.3 25.9

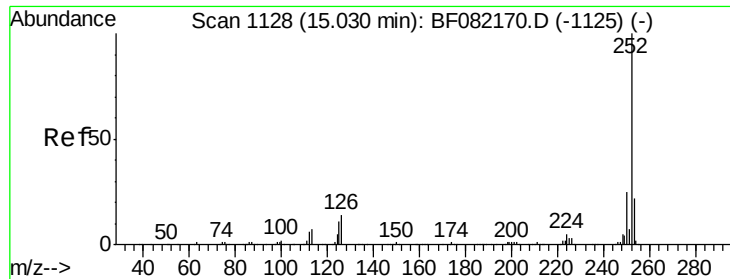


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

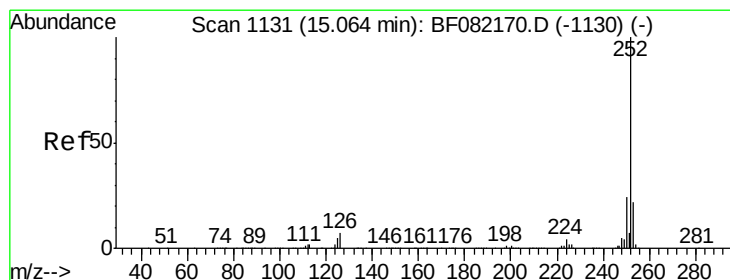
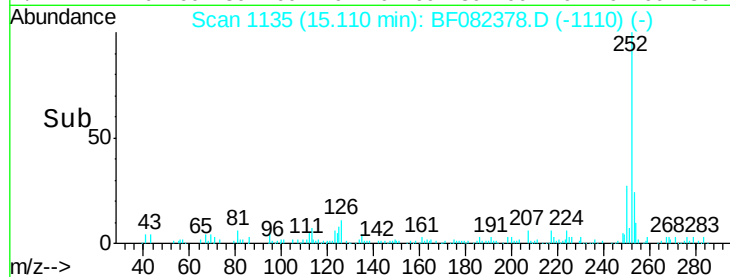
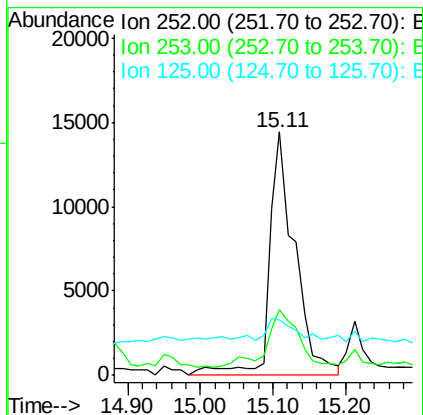
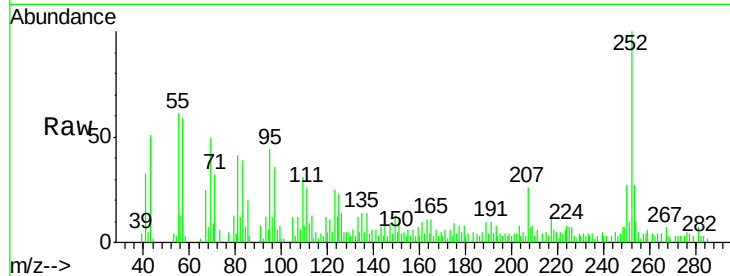




#87
Benzo(b)fluoranthene
Concen: 2.73 ng
RT: 15.11 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-05

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.0	27.0
125	22.8	8.6	12.8#



#88
Benzo(k)fluoranthene
Concen: 3.25 ng
RT: 15.11 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF082378.D
Acq: 20 Oct 2015 3:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.8	26.6#
125	22.8	6.7	10.1#

