

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092415\
 Data File : BF081783.D
 Acq On : 25 Sep 2015 1:03
 Operator : UM/IZ
 Sample : G3748-08DL2 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP201-19-20DL2

Quant Time: Sep 25 06:07:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:04:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	207609	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	863630	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	400553	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	739244	20.00	ng	0.00
75) Chrysene-d12	14.12	240	596317	20.00	ng	0.00
86) Perylene-d12	15.58	264	490628	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	11845	0.97	ng	-0.01
7) Phenol-d6	6.55	99	15200	0.98	ng	-0.02
23) Nitrobenzene-d5	7.51	82	7145	0.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	1374	0.40	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	19296	0.79	ng	-0.01
78) Terphenyl-d14	13.05	244	18563	0.71	ng	-0.01

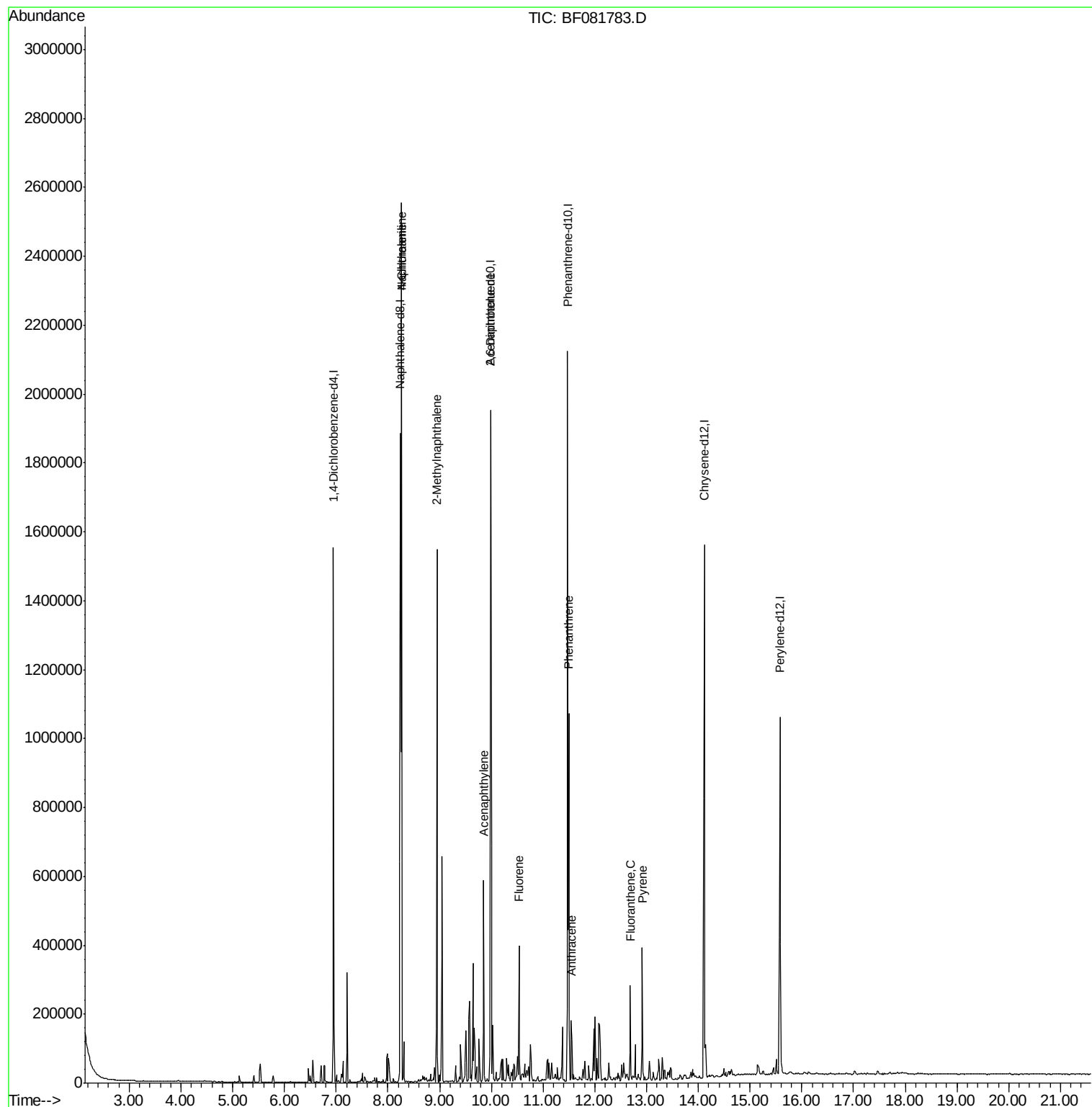
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.26	128	1144658	28.73	ng	97
33) 4-Chloroaniline	8.26	127	157779	9.02	ng	# 36
37) 2-Methylnaphthalene	8.95	142	364677	12.84	ng	# 90
48) Acenaphthylene	9.85	152	224310	5.26	ng	97
50) 2,6-Dinitrotoluene	9.99	165	57249	9.73	ng	# 39
57) Fluorene	10.54	166	126968	4.59	ng	91
70) Phenanthrene	11.50	178	367969	8.71	ng	96
71) Anthracene	11.54	178	98043	2.41	ng	99
74) Fluoranthene	12.69	202	108651	2.55	ng	88
77) Pyrene	12.91	202	155434	3.46	ng	97

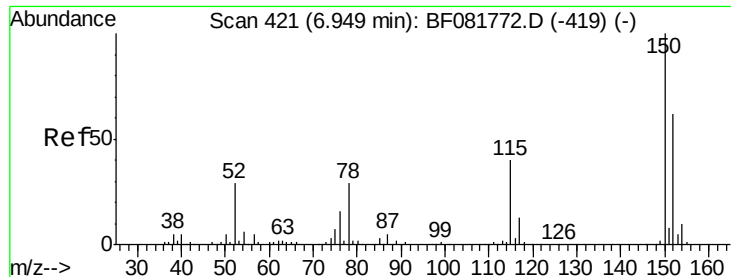
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

MGP201-19-20DL2

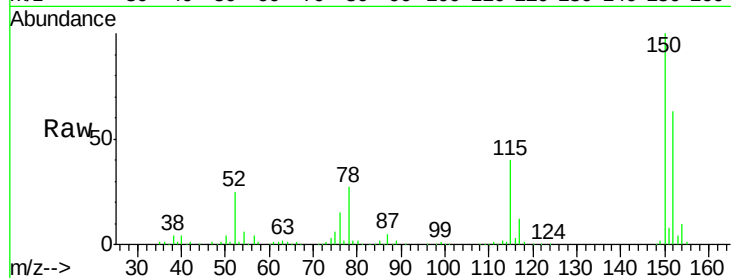
Tot Ion:152 Resp: 207609

Ion Ratio Lower Upper

152 100

150 158.8 124.7 187.1

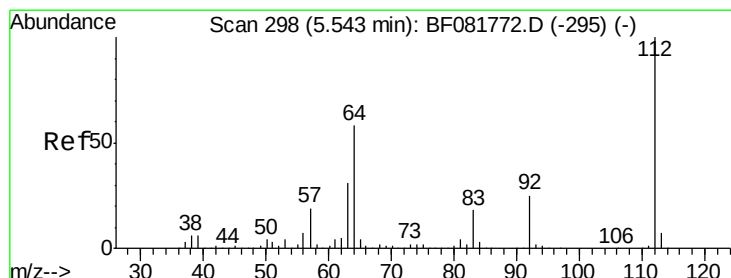
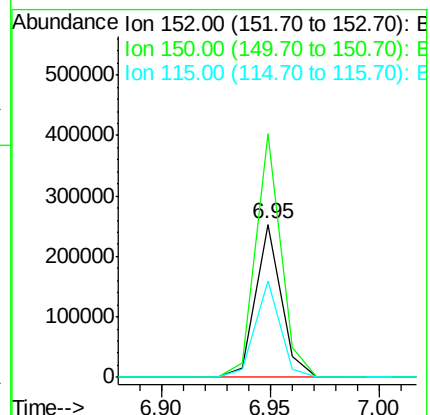
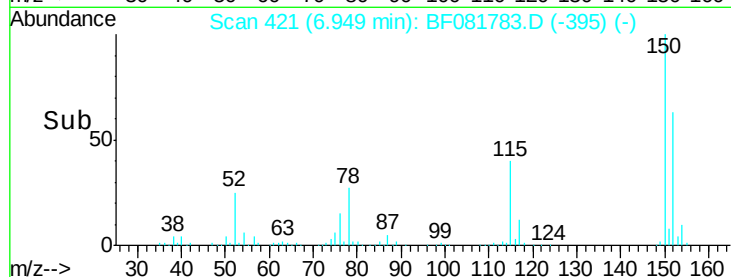
115 62.7 39.0 58.4#



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: 0.97 ng

RT: 5.53 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

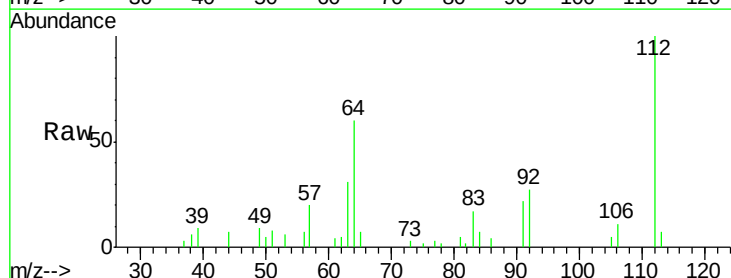
Tgt Ion:112 Resp: 11845

Ion Ratio Lower Upper

112 100

64 59.5 39.7 59.5

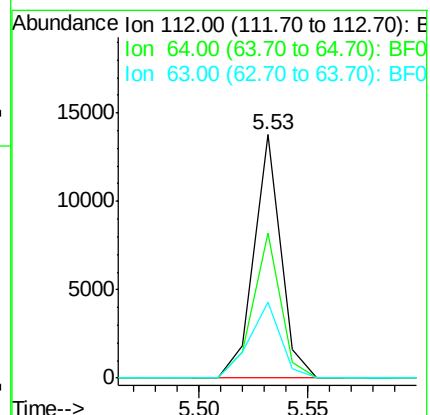
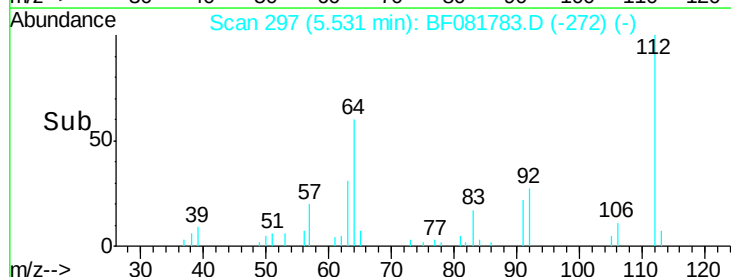
63 31.2 17.4 26.0#

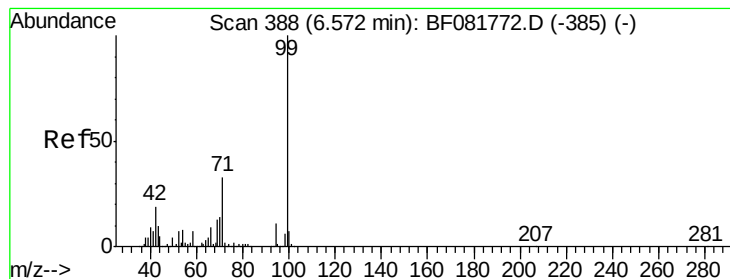


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.98 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

MGP201-19-20DL2

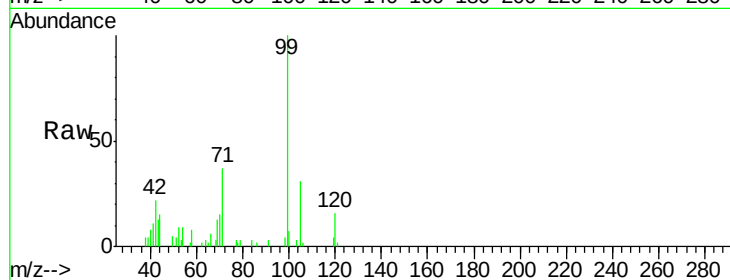
Tot Ion: 99 Resp: 15200

Ion Ratio Lower Upper

99 100

42 22.1 13.7 20.5#

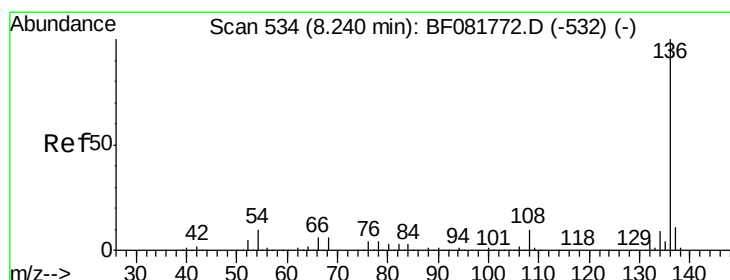
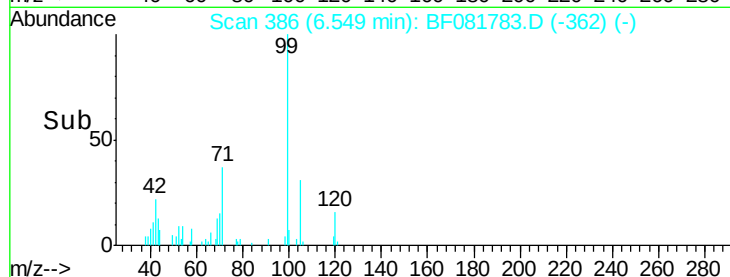
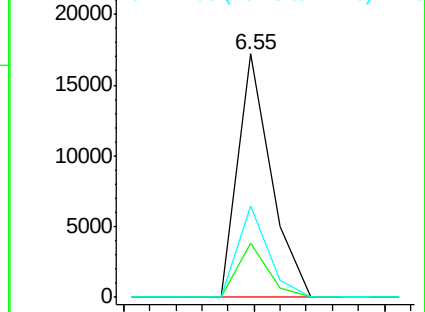
71 37.3 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

Tgt Ion: 136 Resp: 863630

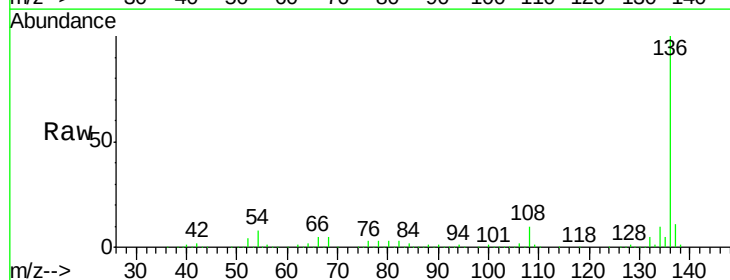
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.4 8.2 12.2

68 5.4 5.8 8.6#

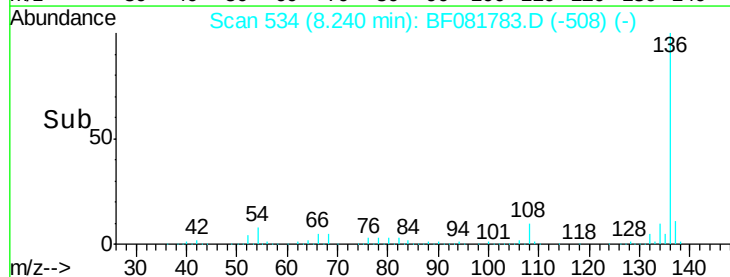
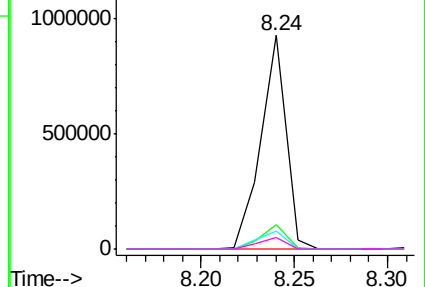


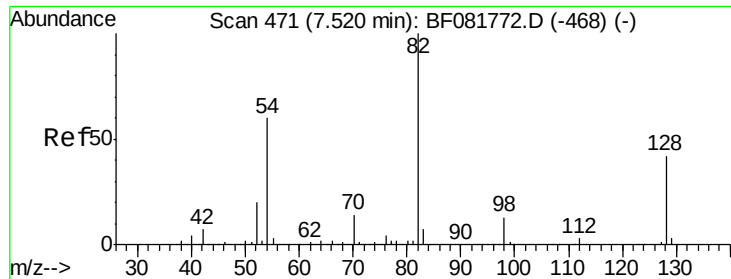
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

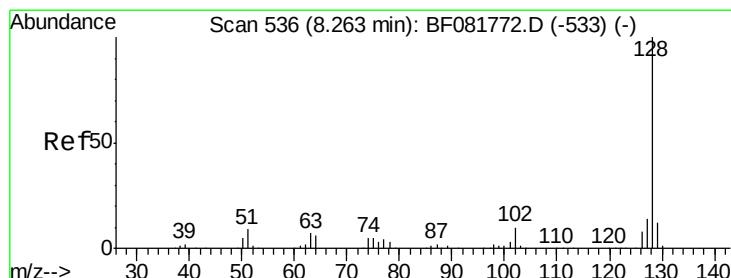
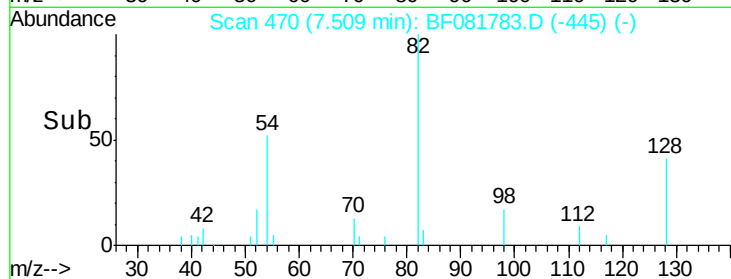
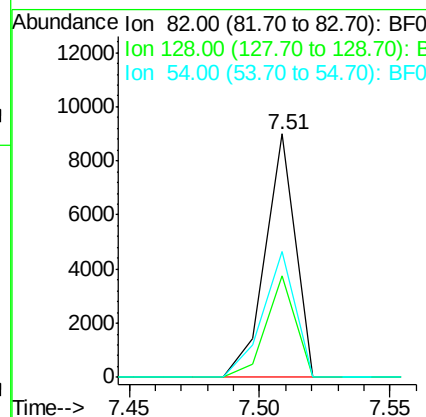
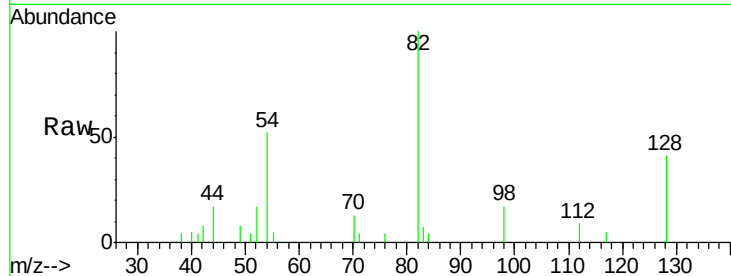




#23
 Nitrobenzene-d5
 Concen: 0.55 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081783.D
 Acq: 25 Sep 2015 1:03

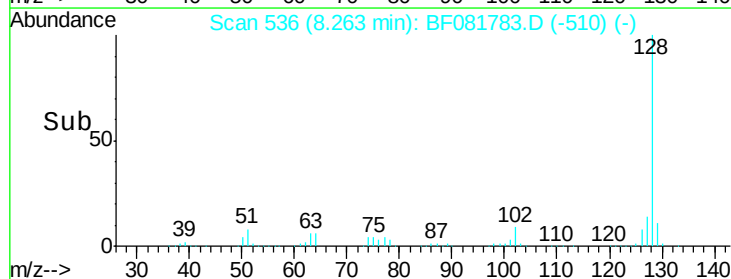
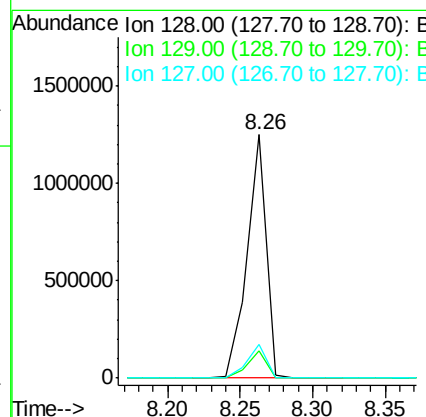
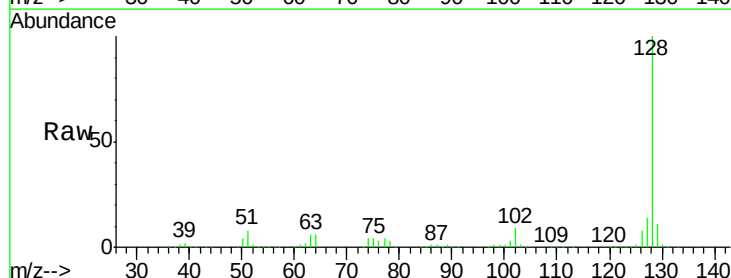
Instrument :
 BNA_F
 ClientSampleId :
 MGP201-19-20DL2

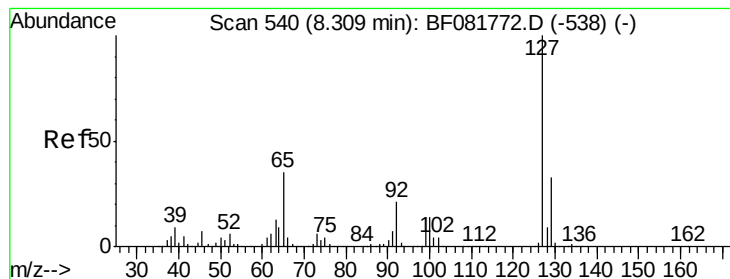
Tot Ion: 82 Resp: 7145
 Ion Ratio Lower Upper
 82 100
 128 41.5 51.0 76.6#
 54 51.8 47.5 71.3



#31
 Naphthalene
 Concen: 28.73 ng
 RT: 8.26 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: BF081783.D
 Acq: 25 Sep 2015 1:03

Tgt Ion: 128 Resp: 1144658
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.4 12.6
 127 14.0 9.9 14.9





#33

4-Chloroaniline

Concen: 9.02 ng

RT: 8.26 min Scan# 536

Delta R.T. -0.05 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

MGP201-19-20DL2

Tot Ion:127 Resp: 157779

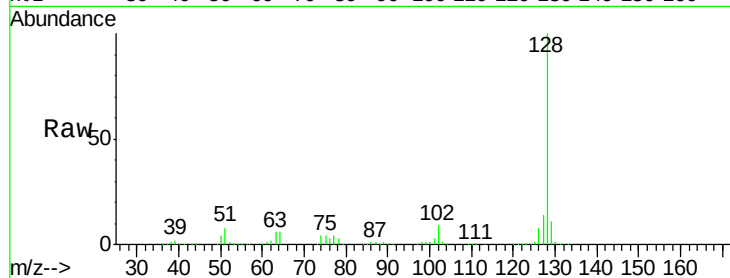
Ion Ratio Lower Upper

127 100

129 82.0 25.8 38.6#

65 0.0 17.9 26.9#

92 0.0 10.5 15.7#

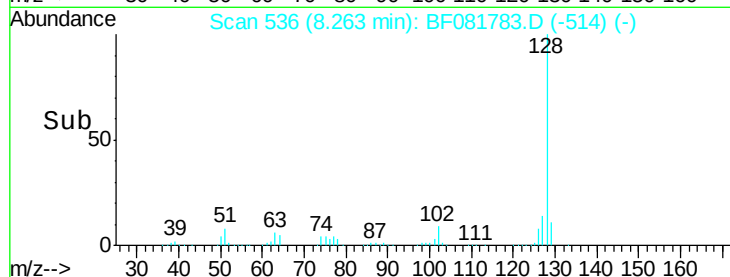


Abundance Ion 127.00 (126.70 to 127.70): E

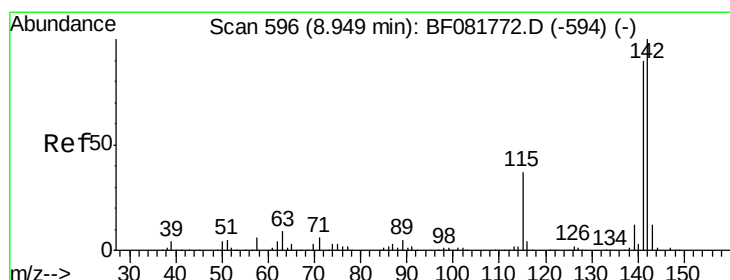
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



Time-->



#37

2-Methylnaphthalene

Concen: 12.84 ng

RT: 8.95 min Scan# 596

Delta R.T. -0.00 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

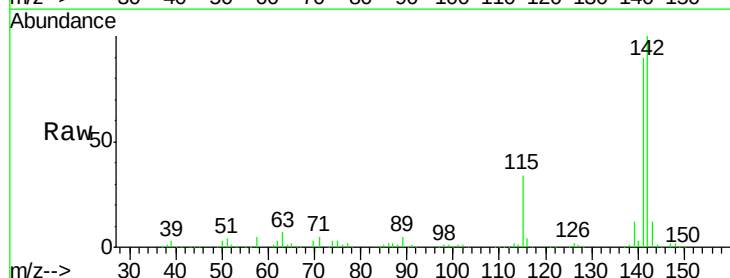
Tgt Ion:142 Resp: 364677

Ion Ratio Lower Upper

142 100

141 90.2 67.5 101.3

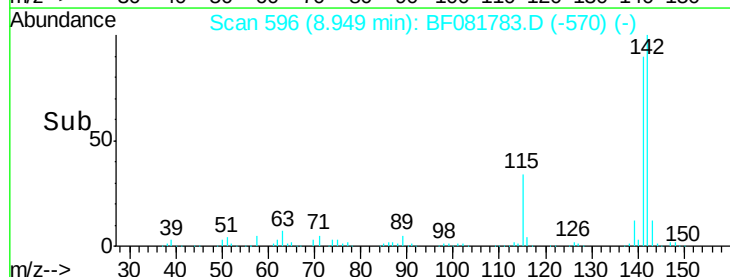
115 33.9 18.2 27.2#



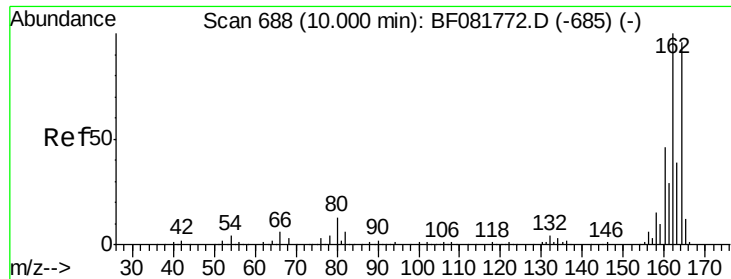
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



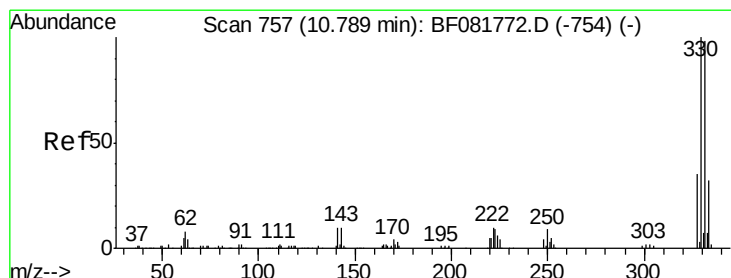
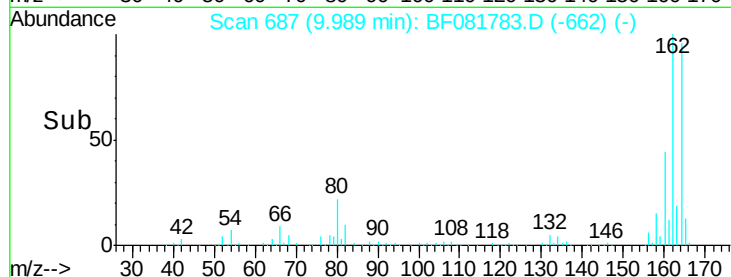
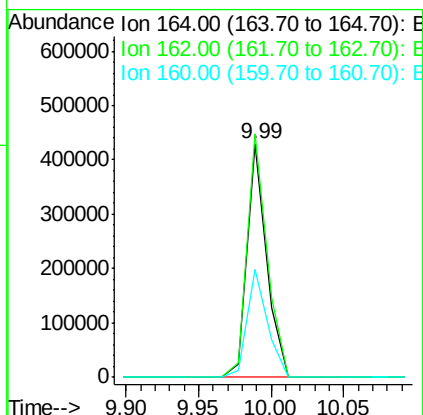
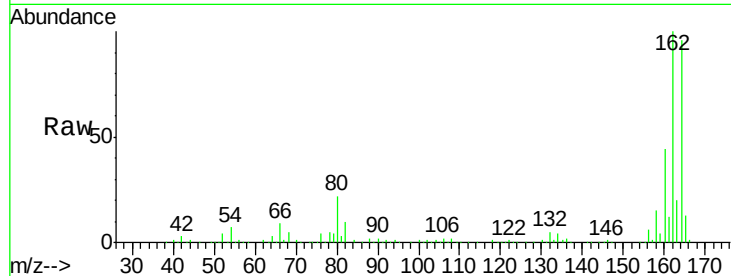
Time-->



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF081783.D
Acq: 25 Sep 2015 1:03

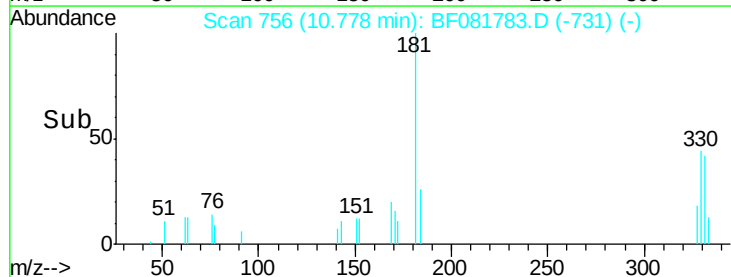
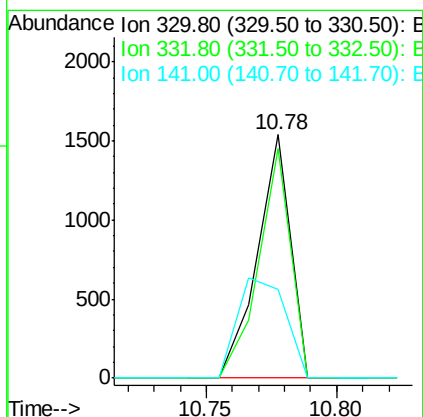
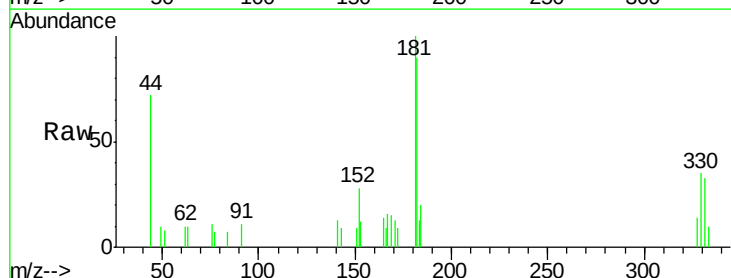
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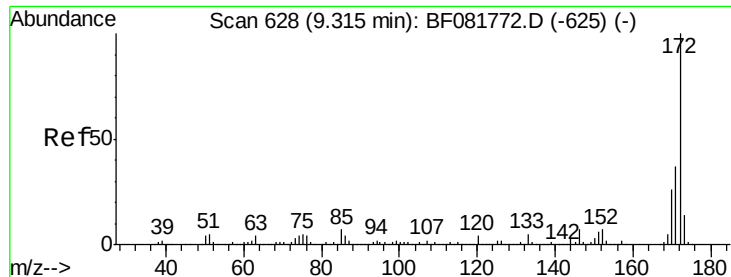
Tot Ion:164 Resp: 400553
Ion Ratio Lower Upper
164 100
162 104.3 75.2 112.8
160 46.1 31.5 47.3



#41
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 10.78 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF081783.D
Acq: 25 Sep 2015 1:03

Tgt Ion:330 Resp: 1374
Ion Ratio Lower Upper
330 100
332 90.6 76.6 114.8
141 59.8 29.7 44.5#

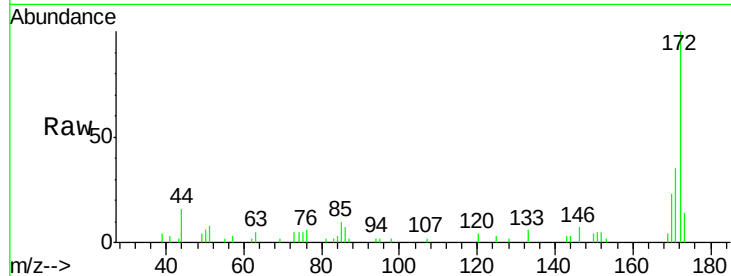




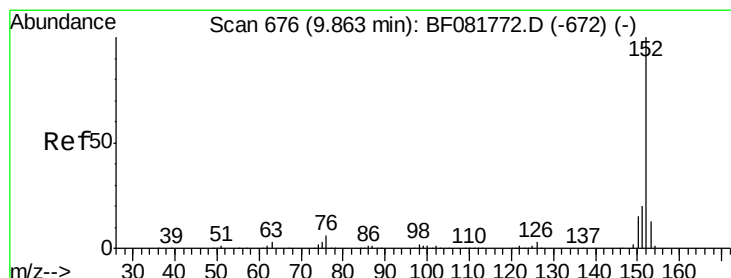
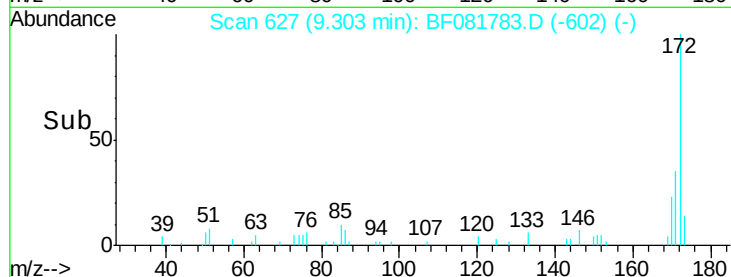
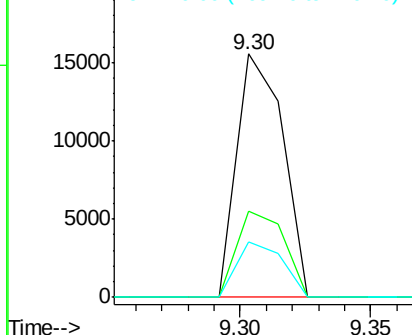
#44
2-Fluorobiphenyl
Concen: 0.79 ng
RT: 9.30 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF081783.D
Acq: 25 Sep 2015 1:03

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	26.1	39.1
170	23.0	17.4	26.2

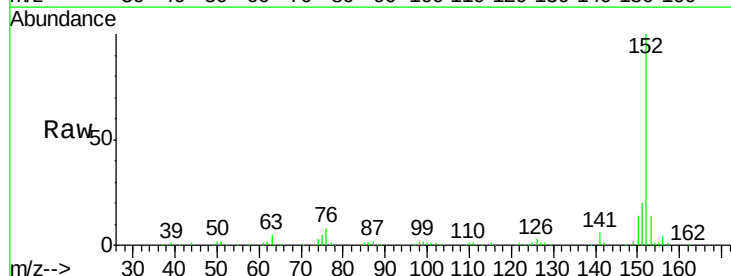


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

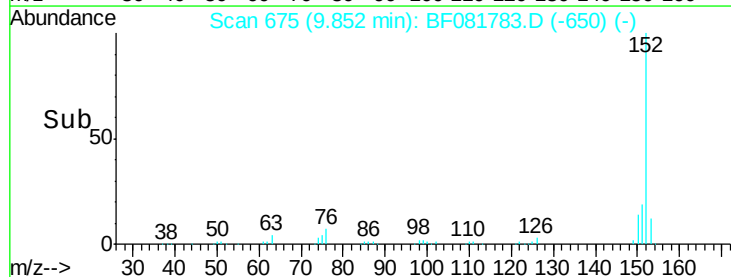
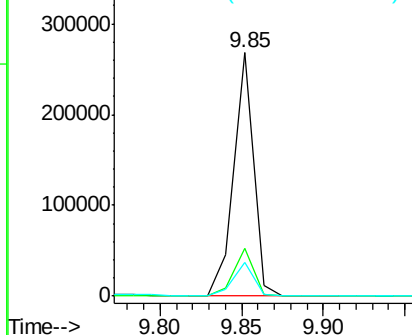


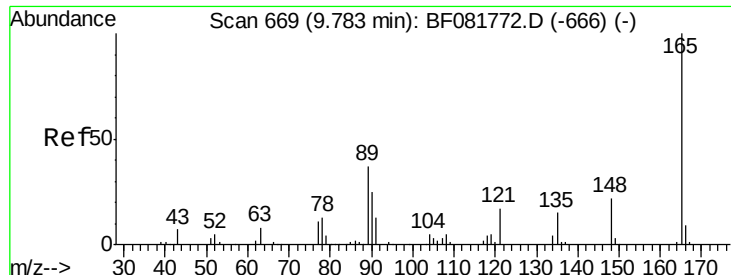
#48
Acenaphthylene
Concen: 5.26 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF081783.D
Acq: 25 Sep 2015 1:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	14.6	22.0
153	13.7	10.3	15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

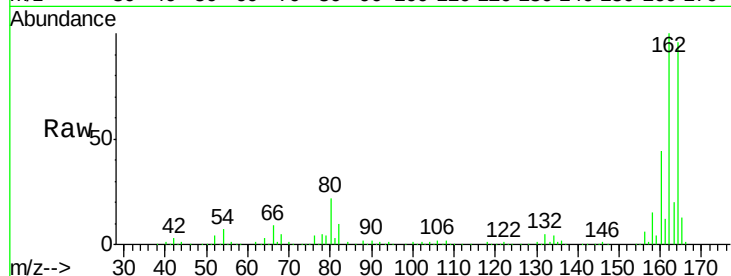




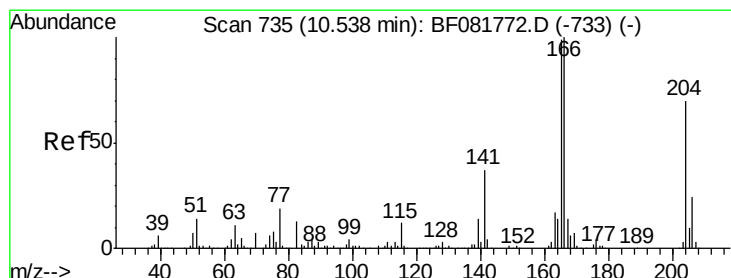
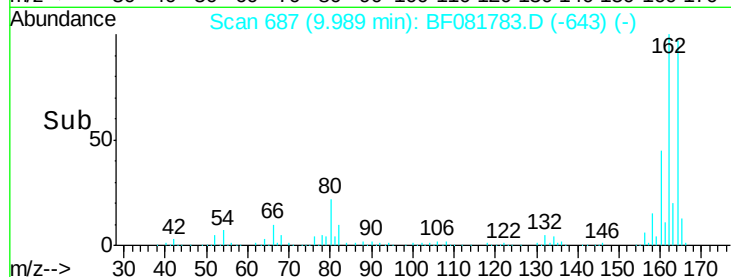
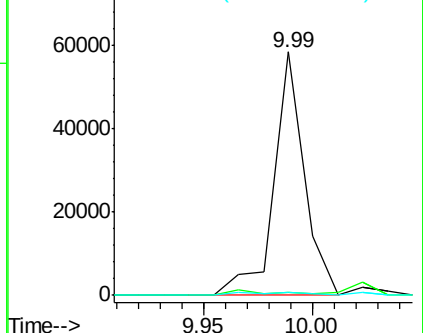
#50
2,6-Dinitrotoluene
Concen: 9.73 ng
RT: 9.99 min Scan# 687
Delta R.T. 0.21 min
Lab File: BF081783.D
Acq: 25 Sep 2015 1:03

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL2

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.3	48.5#
89	1.4	28.6	43.0#

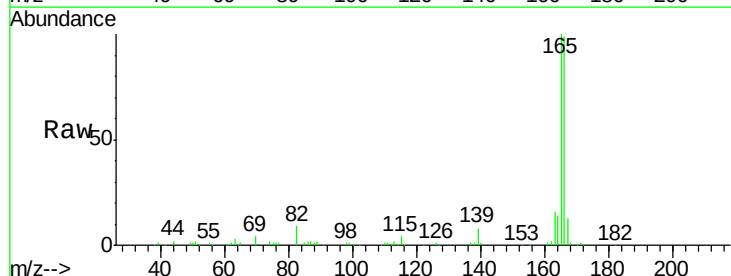


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

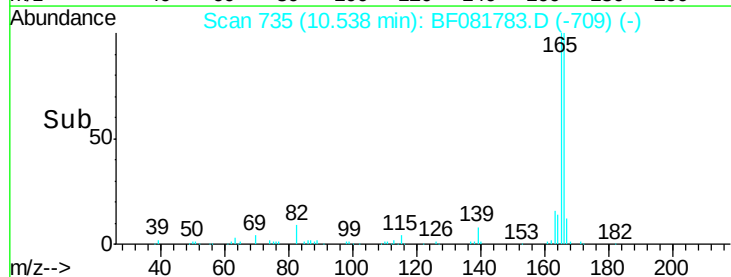
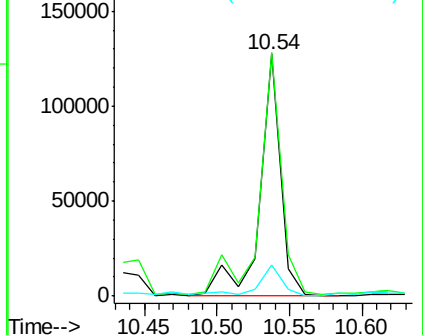


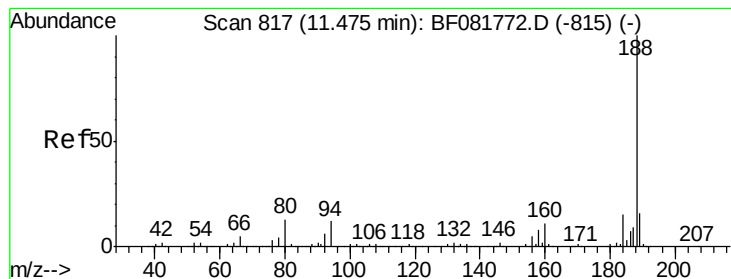
#57
Fluorene
Concen: 4.59 ng
RT: 10.54 min Scan# 735
Delta R.T. -0.00 min
Lab File: BF081783.D
Acq: 25 Sep 2015 1:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.7	72.6	109.0
167	13.0	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

MGP201-19-20DL2

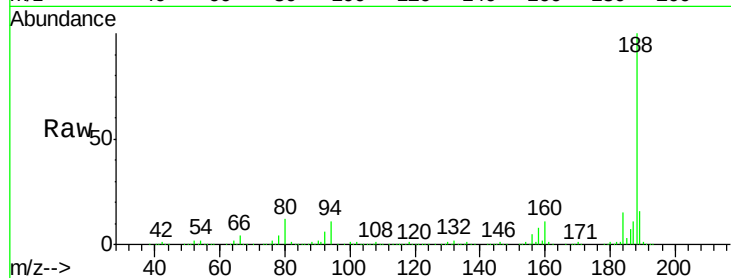
Tot Ion:188 Resp: 739244

Ion Ratio Lower Upper

188 100

94 10.6 11.1 16.7#

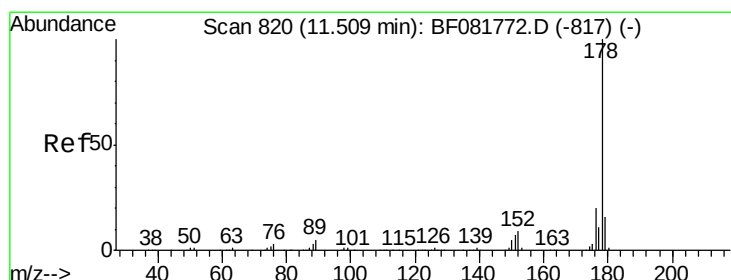
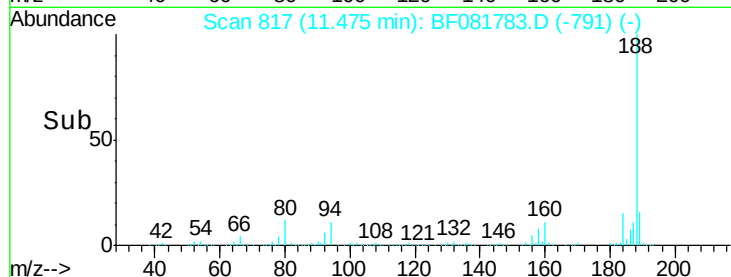
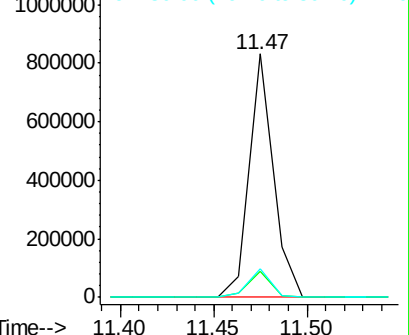
80 11.6 11.0 16.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 8.71 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

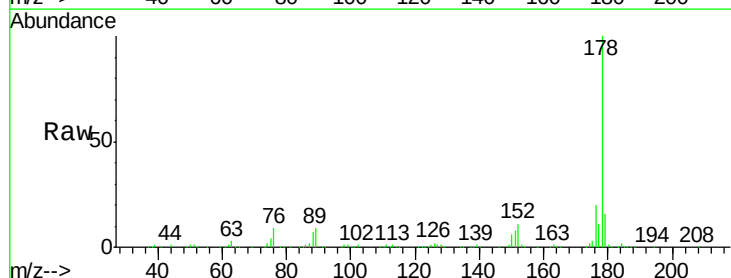
Tgt Ion:178 Resp: 367969

Ion Ratio Lower Upper

178 100

176 19.9 13.8 20.8

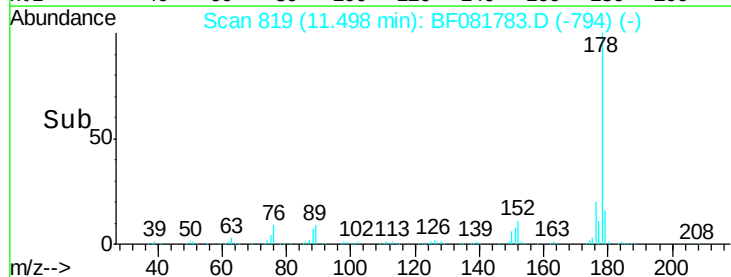
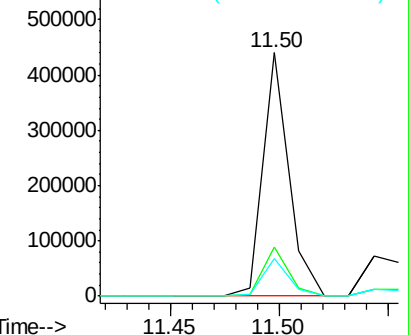
179 15.6 12.2 18.2

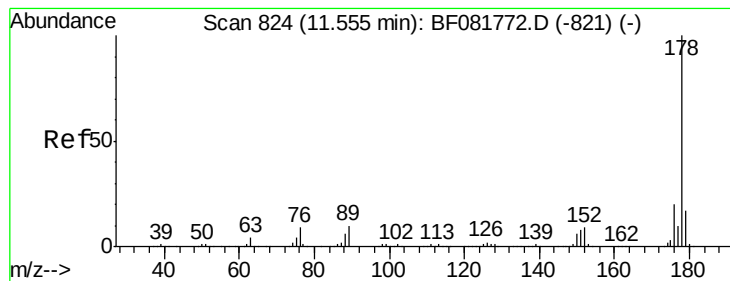


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.41 ng

RT: 11.54 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

MGP201-19-20DL2

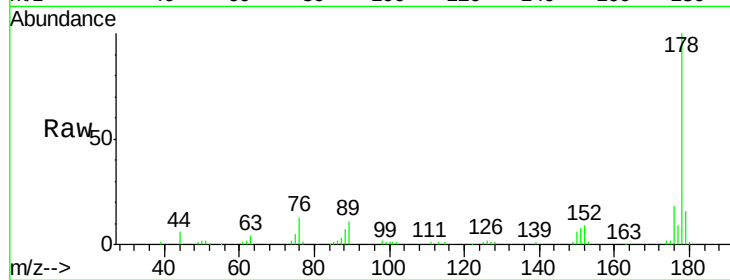
Tot Ion:178 Resp: 98043

Ion Ratio Lower Upper

178 100

176 17.9 14.1 21.1

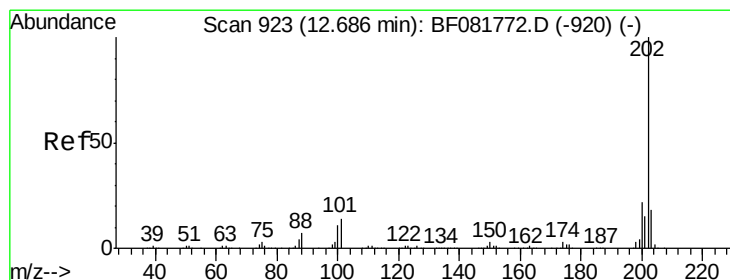
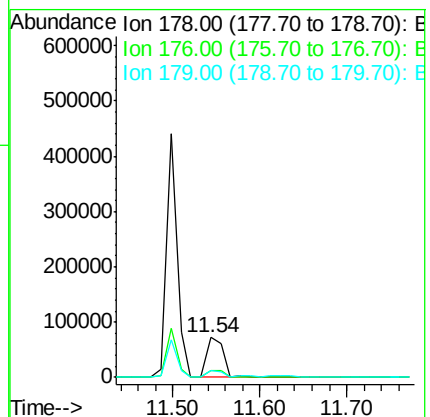
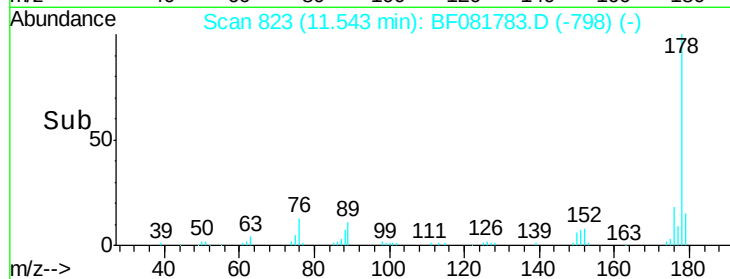
179 16.0 12.2 18.2



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: 2.55 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

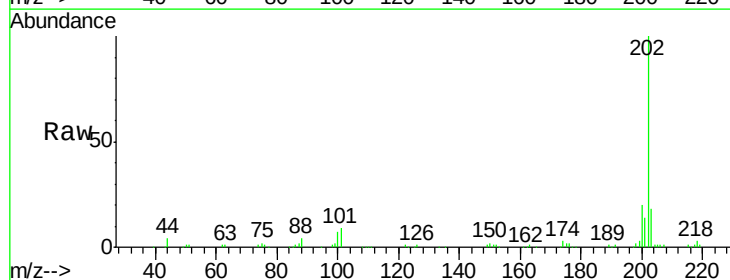
Tgt Ion:202 Resp: 108651

Ion Ratio Lower Upper

202 100

101 8.8 0.0 38.3

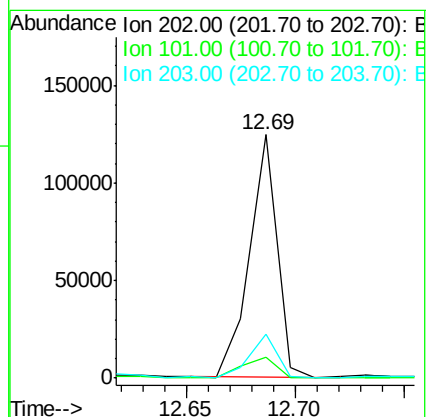
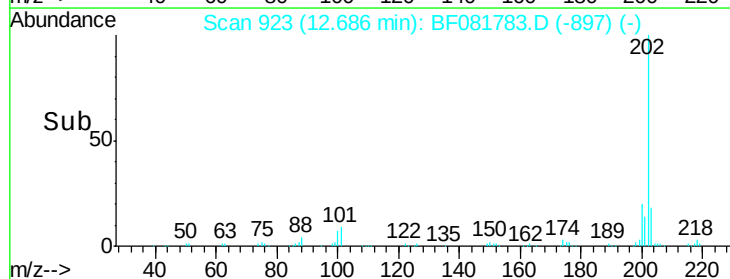
203 18.1 0.0 37.3

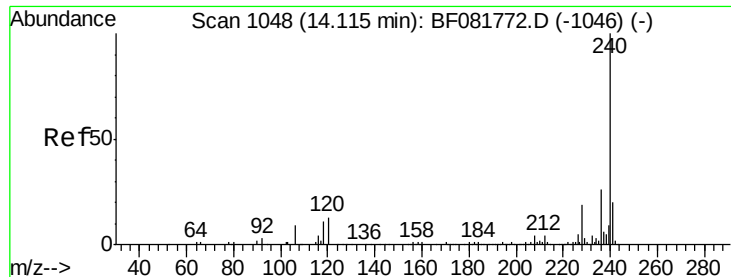


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

MGP201-19-20DL2

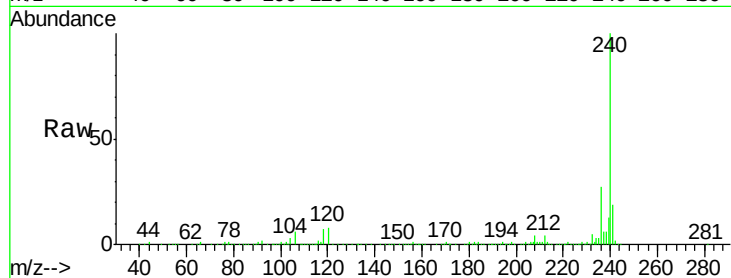
Tot Ion:240 Resp: 596317

Ion Ratio Lower Upper

240 100

120 8.2 16.2 24.2#

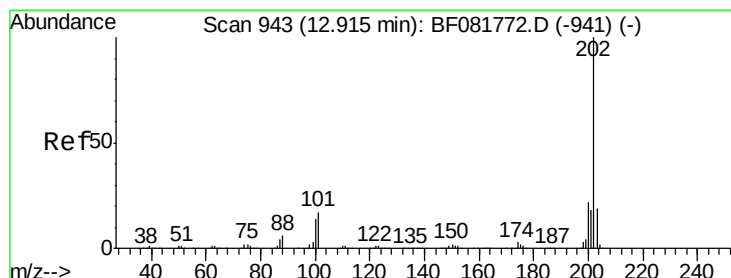
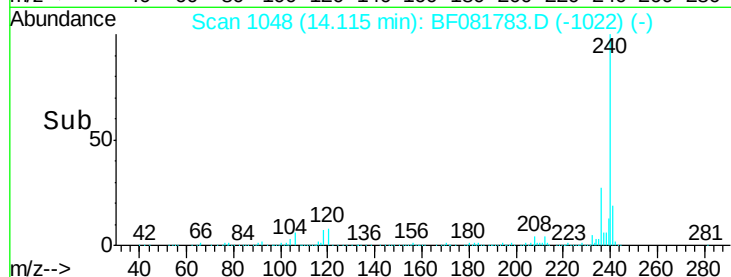
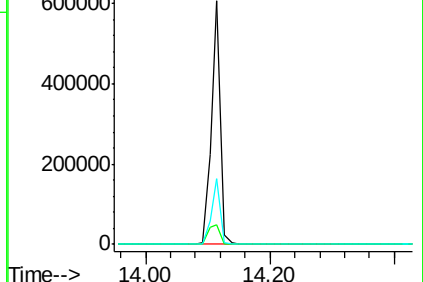
236 27.0 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.46 ng

RT: 12.91 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF081783.D

Acq: 25 Sep 2015 1:03

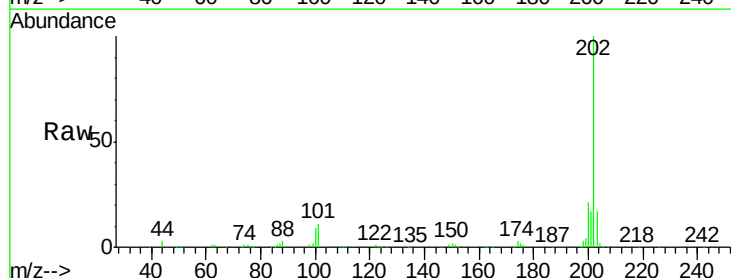
Tgt Ion:202 Resp: 155434

Ion Ratio Lower Upper

202 100

200 20.9 15.0 22.4

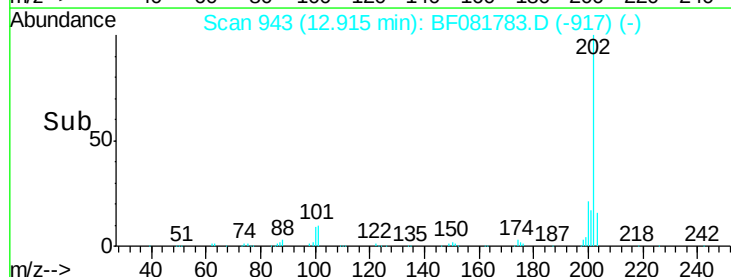
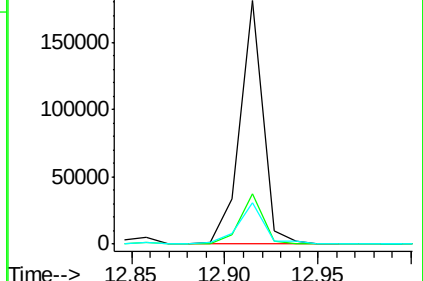
203 17.0 14.1 21.1

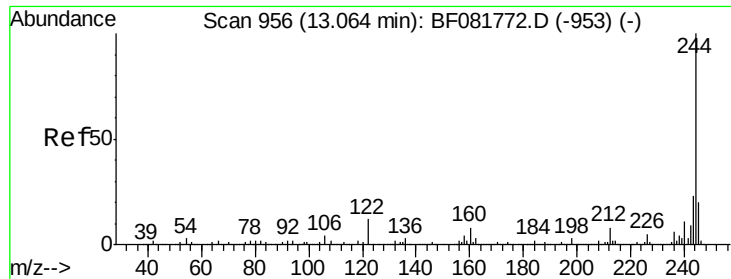


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

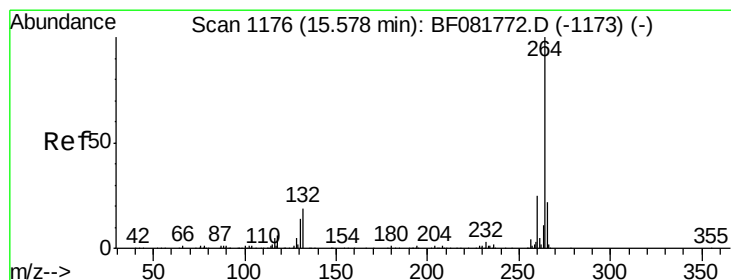
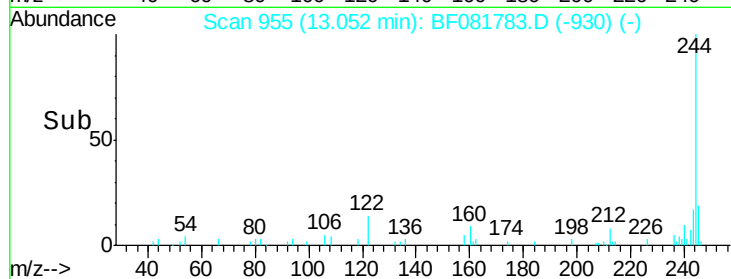
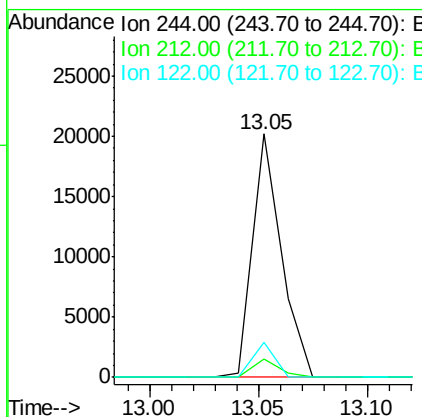
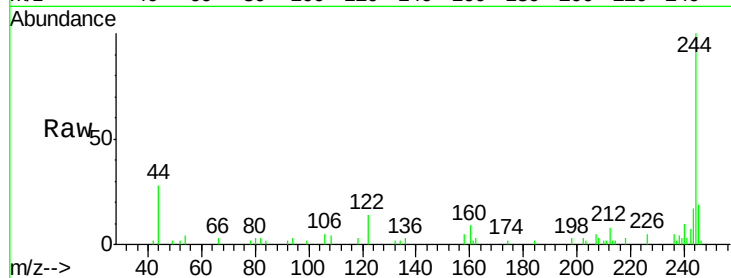




#78
 Terphenyl-d14
 Concen: 0.71 ng
 RT: 13.05 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF081783.D
 Acq: 25 Sep 2015 1:03

Instrument :
 BNA_F
 ClientSampleId :
 MGP201-19-20DL2

Tot Ion:244 Resp: 18563
 Ion Ratio Lower Upper
 244 100
 212 7.7 4.3 6.5#
 122 14.3 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF081783.D
 Acq: 25 Sep 2015 1:03

Tgt Ion:264 Resp: 490628
 Ion Ratio Lower Upper
 264 100
 260 24.4 16.7 25.1
 265 21.7 17.2 25.8

