

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141958.D
 Acq On : 14 Mar 2025 11:39
 Operator : RC/JU
 Sample : PB167123BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167123BL

Quant Time: Mar 14 12:18:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

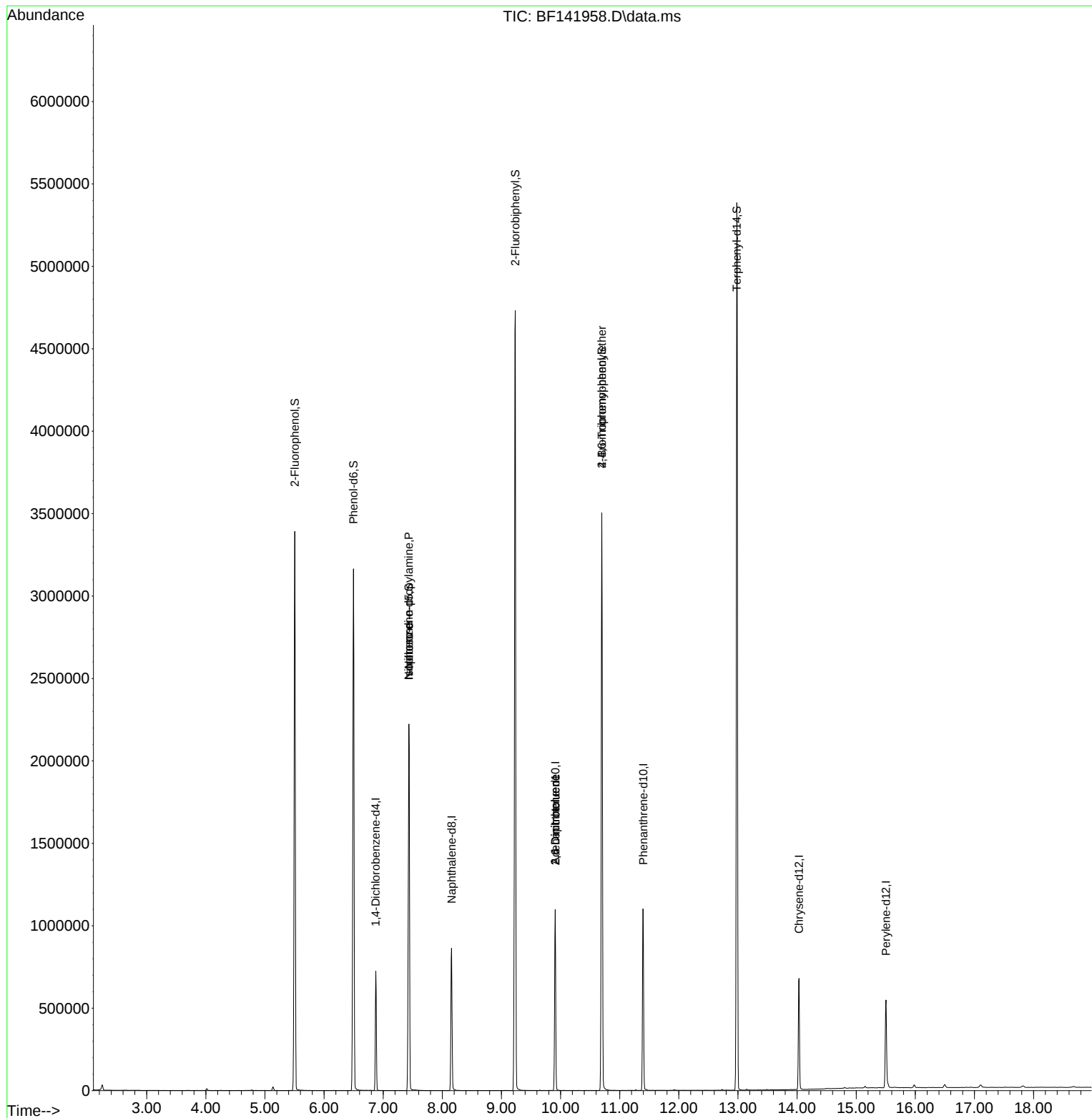
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149023	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	593343	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	338386	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	598649	20.000	ng	0.00
76) Chrysene-d12	14.033	240	348554	20.000	ng	0.00
86) Perylene-d12	15.504	264	326717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1375162	154.009	ng	0.01
7) Phenol-d6	6.498	99	1648990	145.046	ng	0.00
23) Nitrobenzene-d5	7.434	82	1102015	104.521	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	684546	159.461	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2277051	102.338	ng	0.00
79) Terphenyl-d14	12.980	244	2840101	120.468	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	152709	20.905	ng	# 78
25) Isophorone	7.434	82	1083825	58.154	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	43136	8.743	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	43136	6.694	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	43234	5.750	ng	# 1

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

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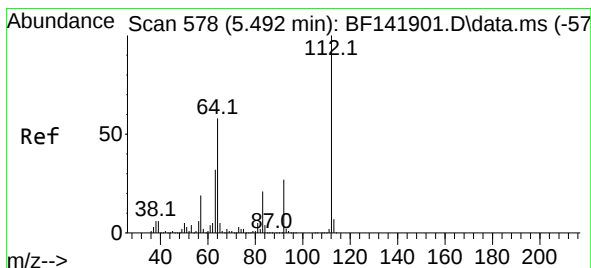
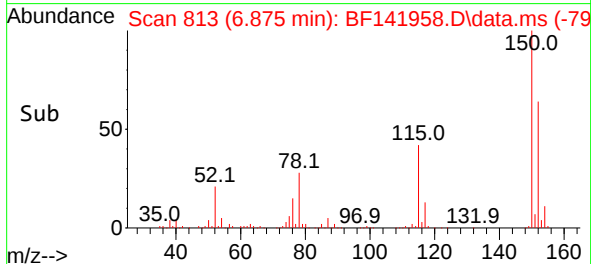
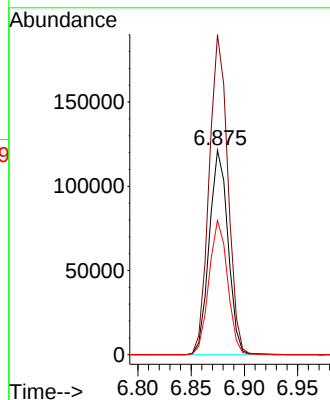
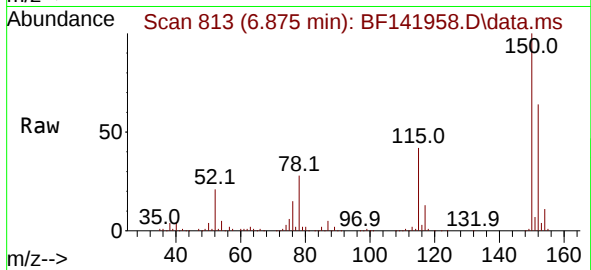




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF141958.D
 Acq: 14 Mar 2025 11:39

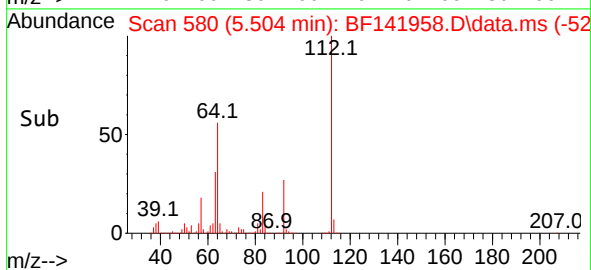
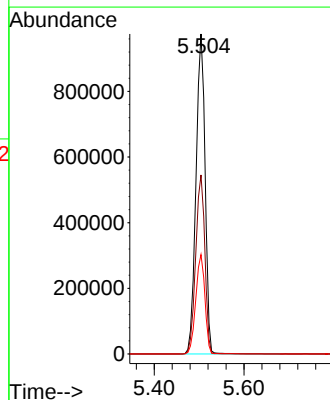
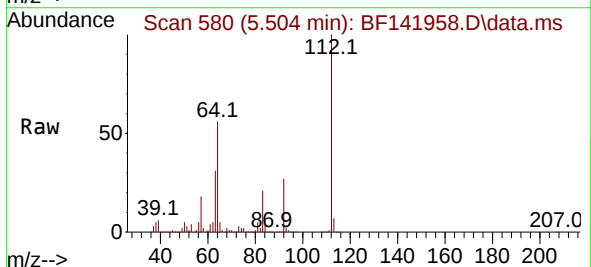
Instrument :
 BNA_F
 ClientSampleId :
 PB167123BL

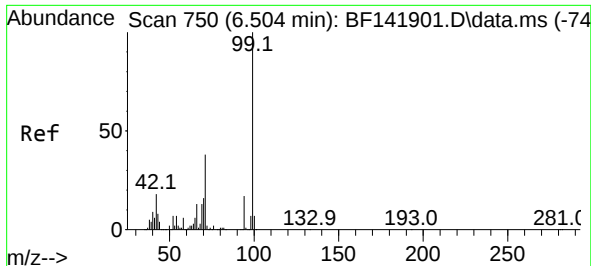
Tgt Ion:152 Resp: 149023
 Ion Ratio Lower Upper
 152 100
 150 156.4 127.4 191.2
 115 65.7 51.9 77.9



#5
 2-Fluorophenol
 Concen: 154.009 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.012 min
 Lab File: BF141958.D
 Acq: 14 Mar 2025 11:39

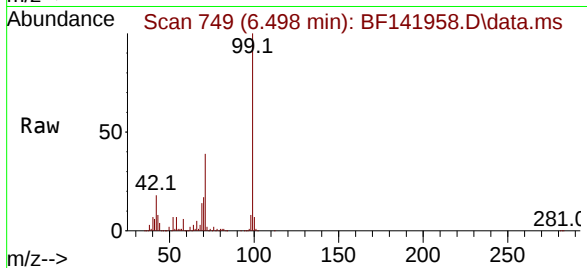
Tgt Ion:112 Resp: 1375162
 Ion Ratio Lower Upper
 112 100
 64 56.0 46.5 69.7
 63 31.1 25.4 38.2





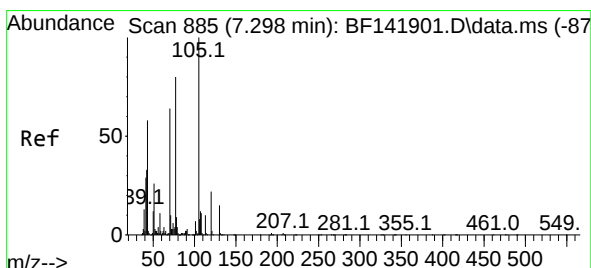
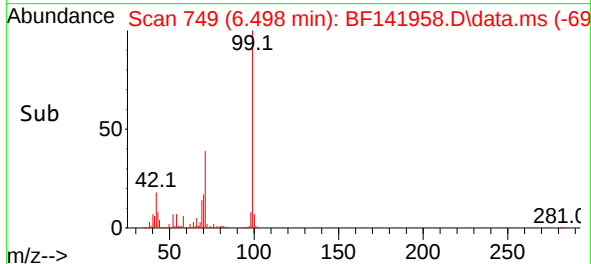
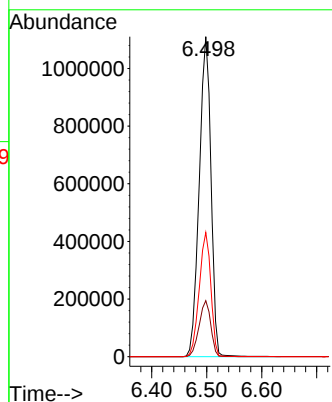
#7
Phenol-d6
Concen: 145.046 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

Instrument :
BNA_F
ClientSampleId :
PB167123BL



Tgt Ion: 99 Resp: 1648990

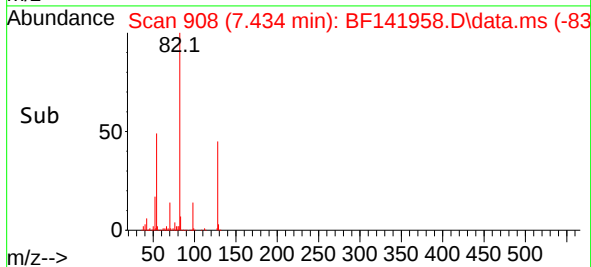
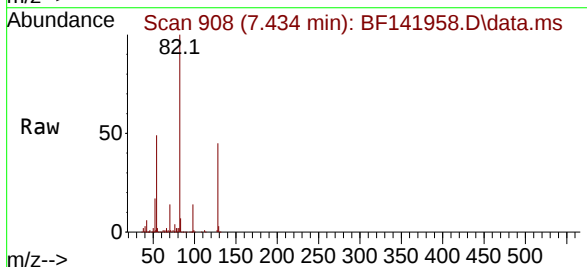
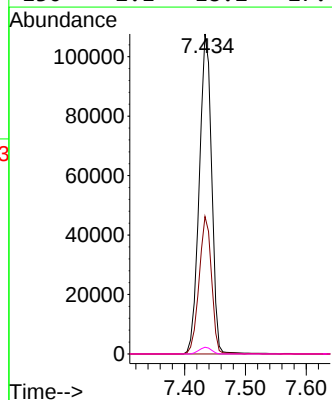
Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	38.8	30.8	46.2

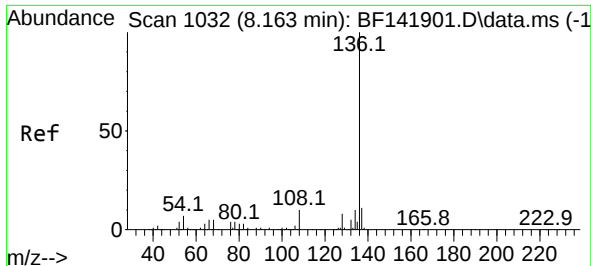


#19
n-Nitroso-di-n-propylamine
Concen: 20.905 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

Tgt Ion: 70 Resp: 152709

Ion	Ratio	Lower	Upper
70	100		
42	43.0	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#

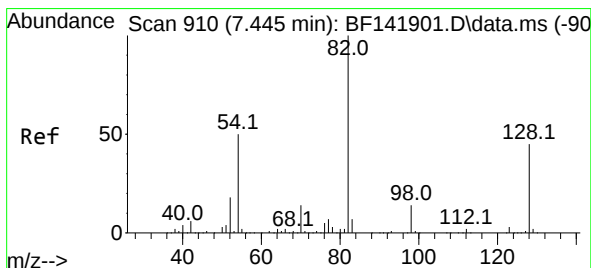
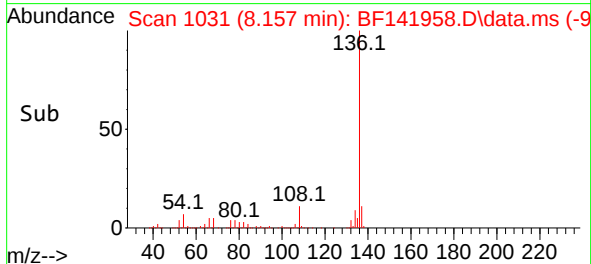
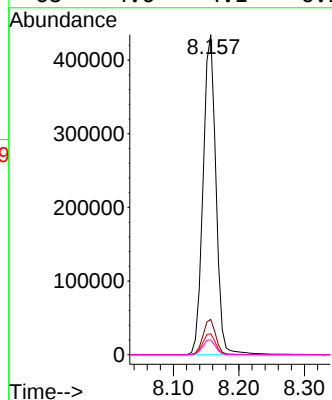
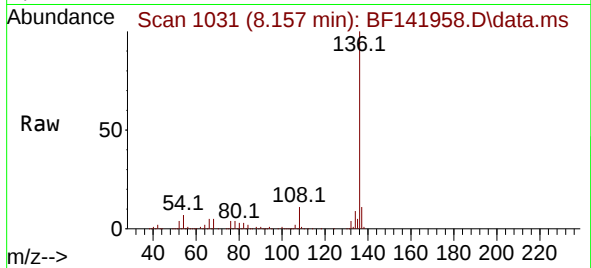




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

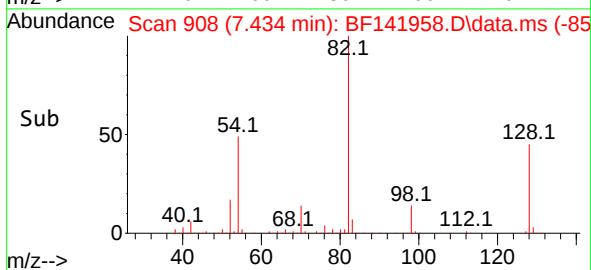
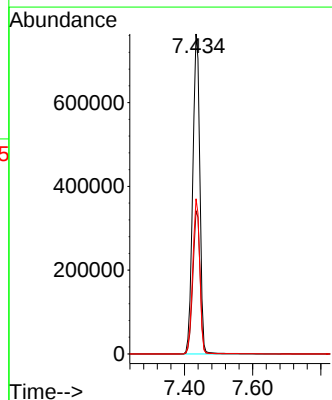
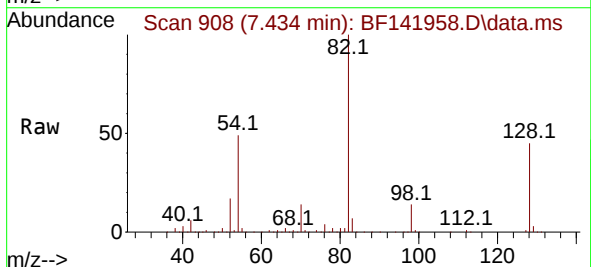
Instrument :
BNA_F
ClientSampleId :
PB167123BL

Tgt Ion:	136	Resp:	593343
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 104.521 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

Tgt Ion:	82	Resp:	1102015
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.0	54.0
54	48.5	39.6	59.4

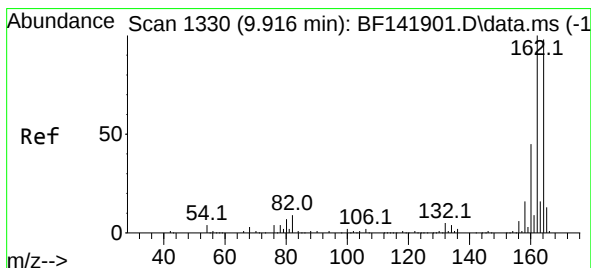
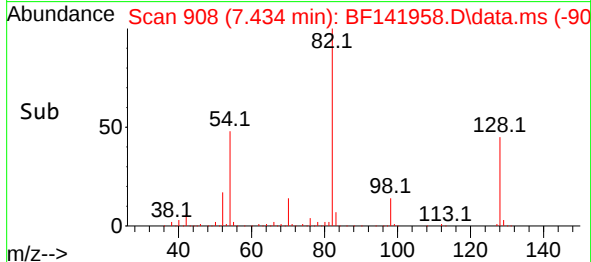
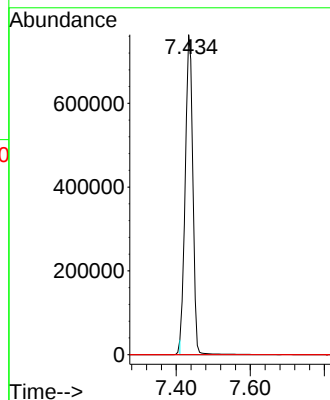
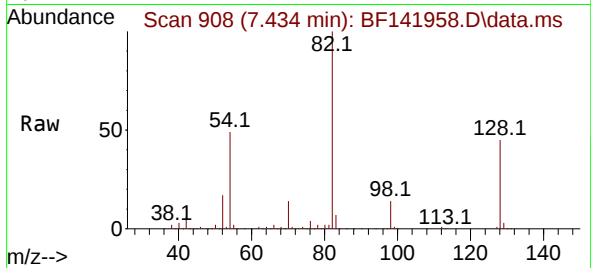




#25
Isophorone
Concen: 58.154 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

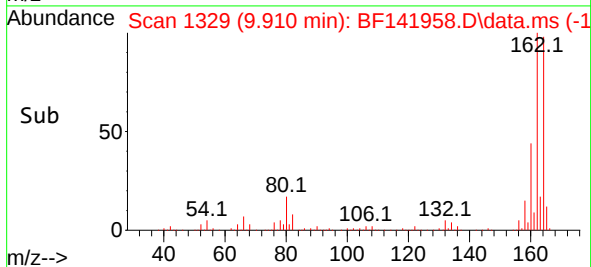
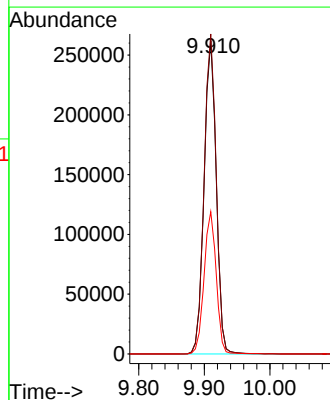
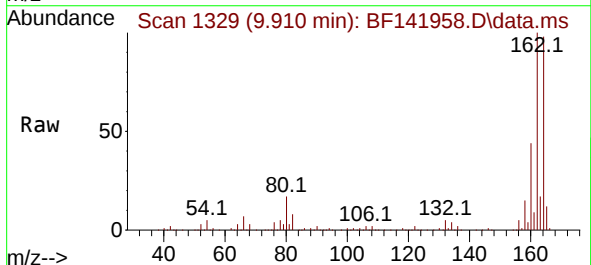
Instrument :
BNA_F
ClientSampleId :
PB167123BL

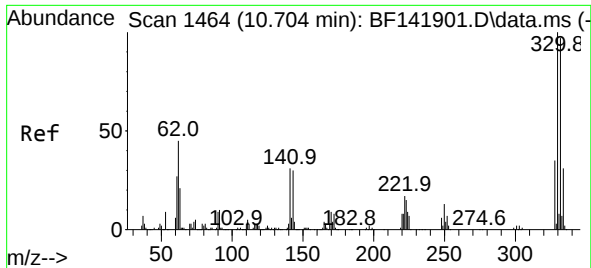
Tgt Ion: 82 Resp: 1083825
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

Tgt Ion:164 Resp: 338386
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.6
160 45.4 36.7 55.1

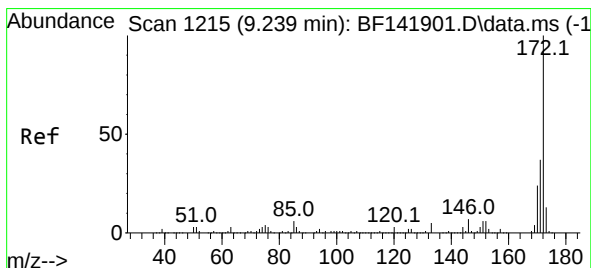
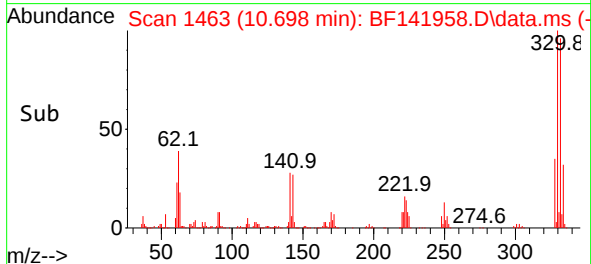
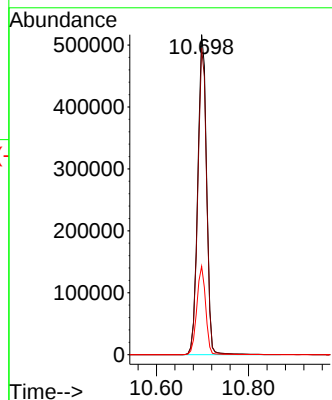
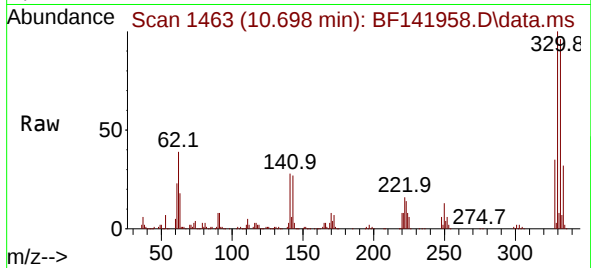




#42
2,4,6-Tribromophenol
Concen: 159.461 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

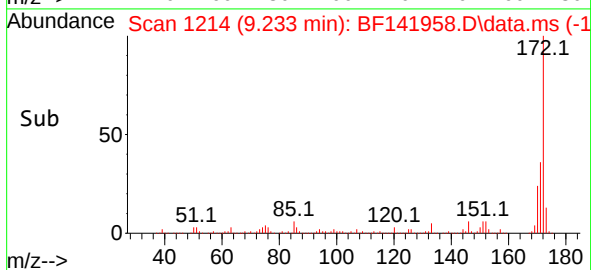
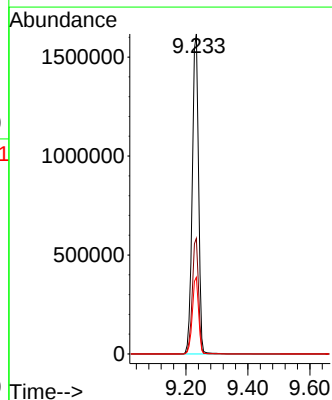
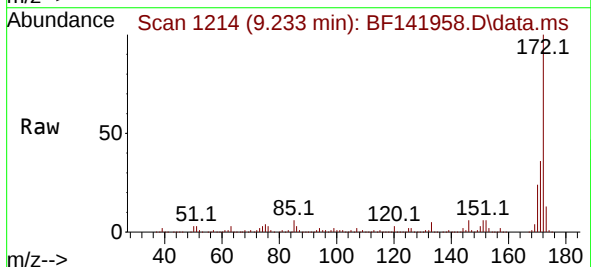
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ClientSampleId :
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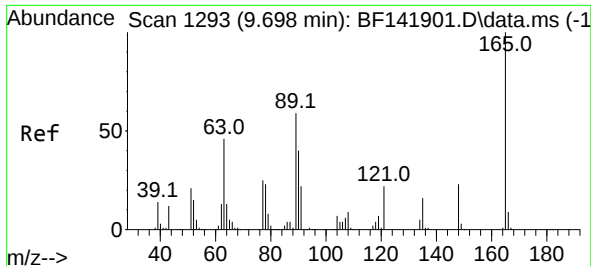
Tgt Ion:330 Resp: 684546
Ion Ratio Lower Upper
330 100
332 95.9 77.6 116.4
141 27.8 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 102.338 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

Tgt Ion:172 Resp: 2277051
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 24.0 19.4 29.0

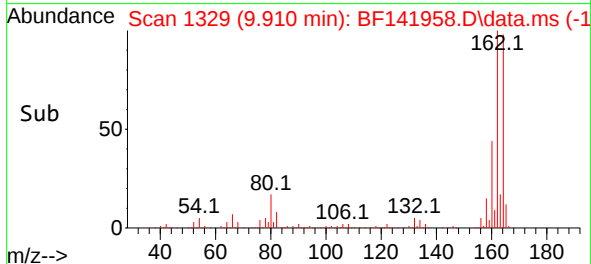
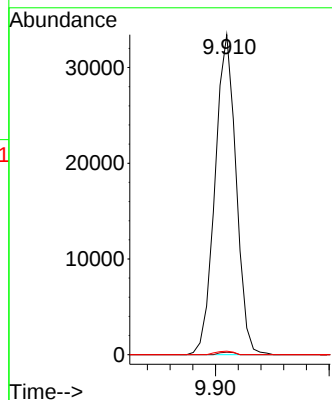
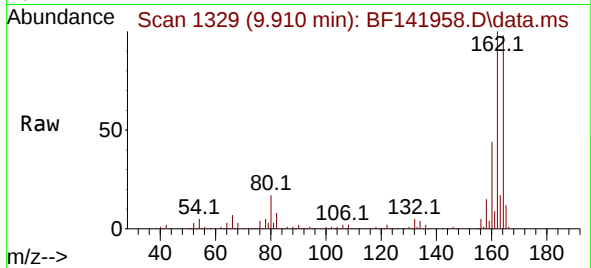




#51
2,6-Dinitrotoluene
Concen: 8.743 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

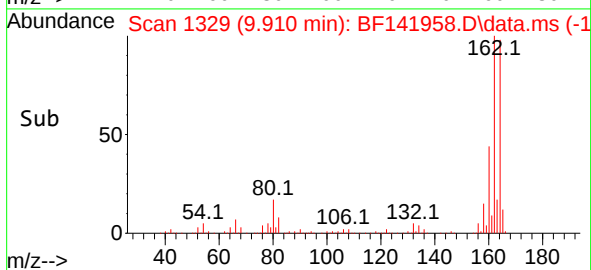
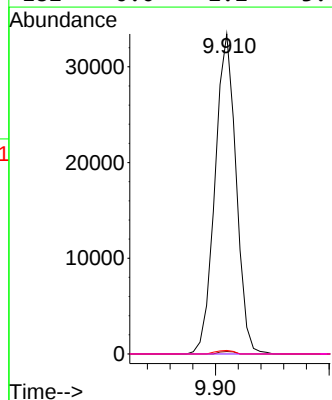
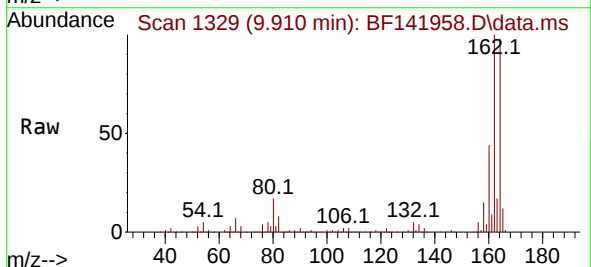
Instrument :
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ClientSampleId :
PB167123BL

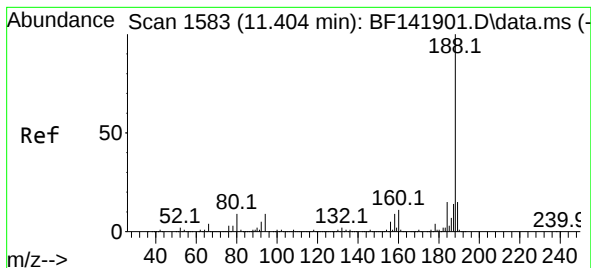
Tgt Ion:165 Resp: 43136
Ion Ratio Lower Upper
165 100
63 0.8 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.694 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141958.D
Acq: 14 Mar 2025 11:39

Tgt Ion:165 Resp: 43136
Ion Ratio Lower Upper
165 100
63 0.8 35.4 53.2#
89 1.1 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141958.D

Acq: 14 Mar 2025 11:39

Instrument :

BNA_F

ClientSampleId :

PB167123BL

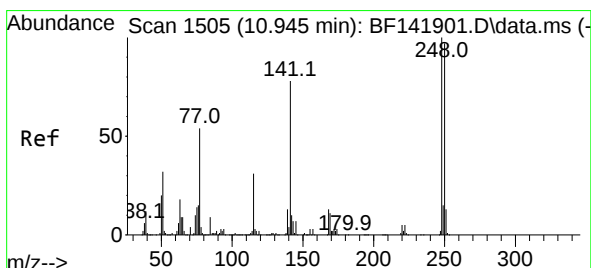
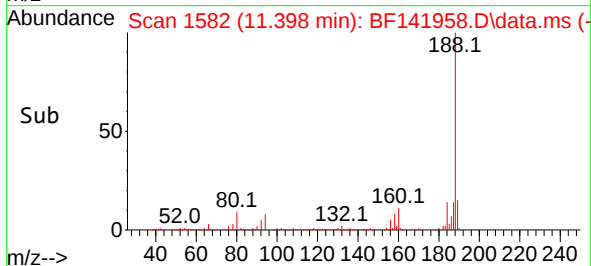
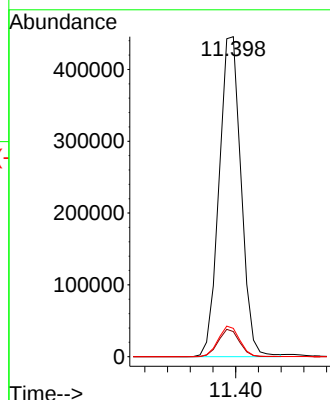
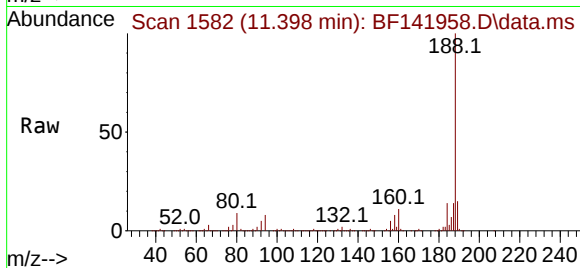
Tgt Ion:188 Resp: 598649

Ion Ratio Lower Upper

188 100

94 7.9 6.8 10.2

80 8.9 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.750 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF141958.D

Acq: 14 Mar 2025 11:39

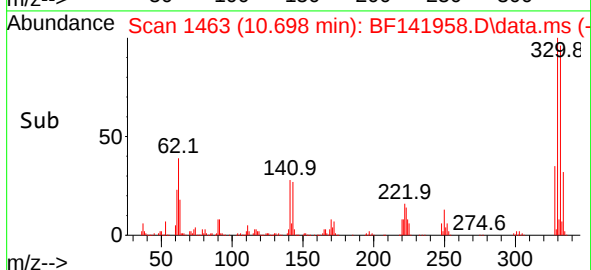
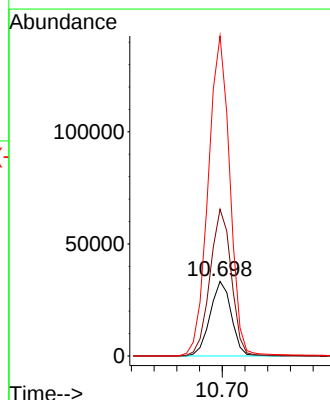
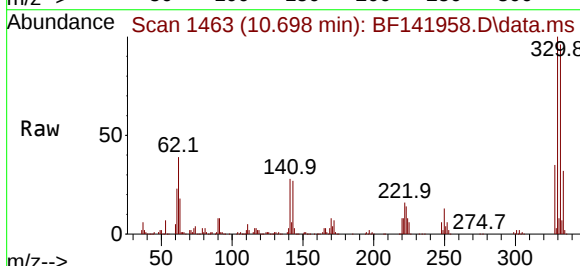
Tgt Ion:248 Resp: 43234

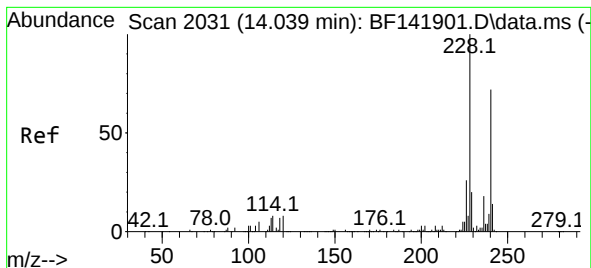
Ion Ratio Lower Upper

248 100

250 196.7 77.8 116.8#

141 428.8 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141958.D

Acq: 14 Mar 2025 11:39

Instrument :

BNA_F

ClientSampleId :

PB167123BL

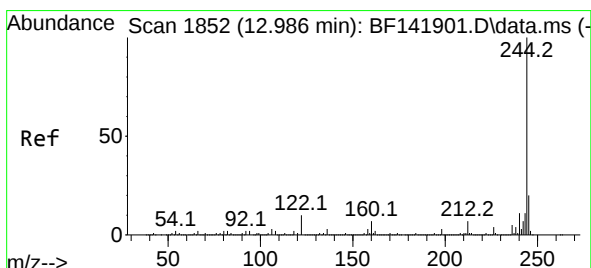
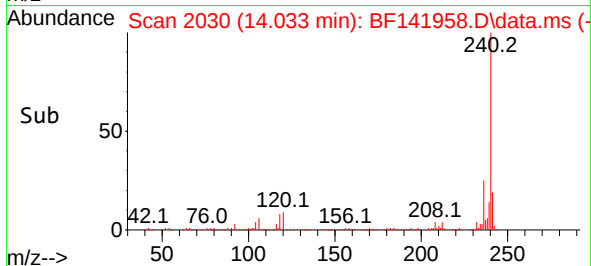
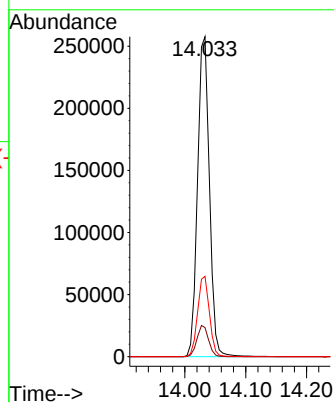
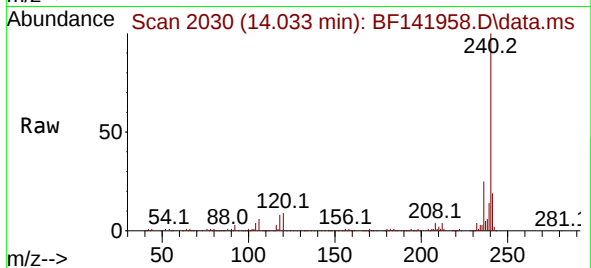
Tgt Ion:240 Resp: 348554

Ion Ratio Lower Upper

240 100

120 9.1 8.4 12.6

236 25.1 20.5 30.7



#79

Terphenyl-d14

Concen: 120.468 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141958.D

Acq: 14 Mar 2025 11:39

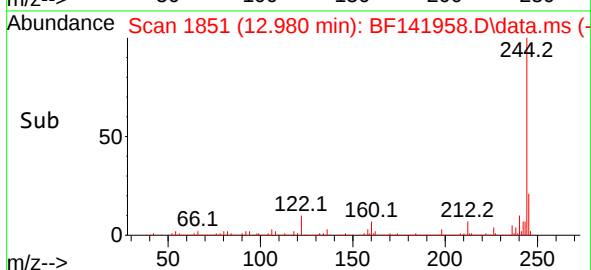
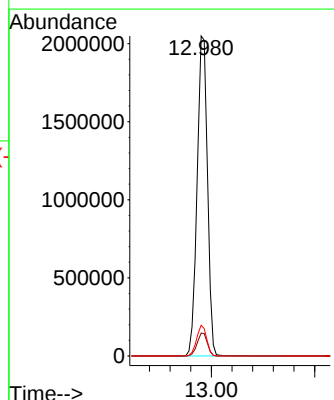
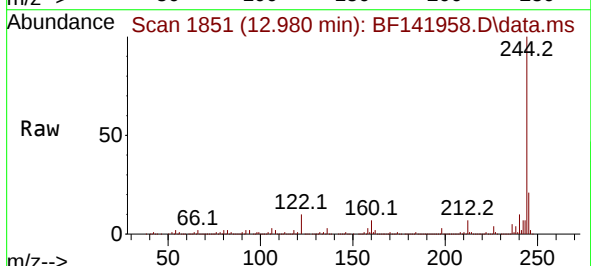
Tgt Ion:244 Resp: 2840101

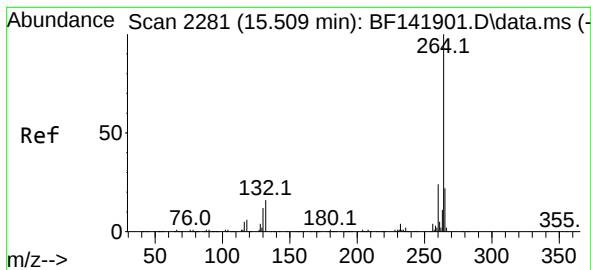
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.6 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141958.D
 Acq: 14 Mar 2025 11:39

Instrument :
 BNA_F
 ClientSampleId :
 PB167123BL

Tgt Ion:264 Resp: 326717
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.5 17.5 26.3

