Create new class and extend it from IntentService, override methods and constructor as usual

Then in manifest:

<service android:name=".BackgroundActivity" android:exported="false" /> - set new service

Then you can override onCreate, which happens before onHandleIntent

In this classes you run main code

If you want to handle event after terminating activity (you can simply close it or terminate by task manager), you have to override as well as here one method:

@Override   
public int onStartCommand(Intent intent, int flags, int startId) {  
 super.onStartCommand(intent, flags, startId);  
 return START\_STICKY;  
}

Then in blocks onCreate onHandleIntent create condition:

If(instance == null){

Run code after terminating

}else{

Run code after closing

}