

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051684.D  
 Acq On : 20 Dec 2021 16:47  
 Operator : CG/JU  
 Sample : M5171-10  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6

Manual Integrations  
 APPROVED

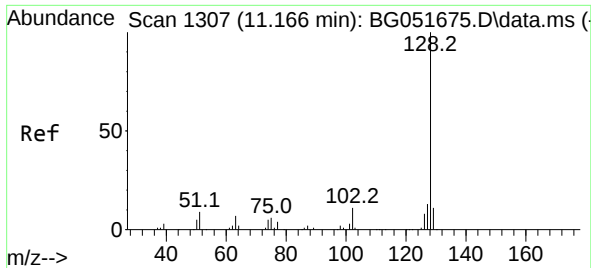
Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021

Quant Time: Dec 20 23:11:12 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.276  | 152  | 34264    | 20.000  | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 11.119 | 136  | 133621   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.914 | 164  | 93382    | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.657 | 188  | 186042   | 20.000  | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.981 | 240  | 174244   | 20.000  | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.482 | 264  | 189267   | 20.000  | ng/ul  | -0.01    |
|                               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.606  | 96   | 2367     | 2.869   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.029  | 84   | 24148    | 9.687   | ng/ul  | -0.02    |
| 7) Phenol-d5                  | 7.407  | 99   | 49646    | 16.228  | ng/ul  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.577  | 67   | 36316    | 19.968  | ng/ul  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.800  | 132  | 36447    | 17.129  | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.969  | 113  | 44276    | 18.723  | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 9.439  | 128  | 20983    | 21.419  | ng/ul  | -0.02    |
| 24) 2-Nitrophenol-d4          | 10.179 | 143  | 20342    | 18.995  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.726 | 165  | 39428    | 16.977  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.231 | 131  | 88587    | 28.972  | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 14.297 | 166  | 122024   | 16.326  | ng/ul  | -0.02    |
| 49) Acenaphthylene-d8         | 14.609 | 160  | 157437   | 16.960  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.073 | 143  | 17203    | 14.154  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.901 | 176  | 109255   | 16.315  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.001 | 200  | 9009     | 9.294   | ng/ul  | -0.01    |
| 73) Anthracene-d10            | 17.757 | 188  | 169032   | 19.046  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.031 | 212  | 183560   | 17.504  | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.235 | 264  | 175674   | 17.641  | ng/ul  | -0.02    |
|                               |        |      |          |         |        |          |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 11.184 | 128  | 3719884  | 516.731 | ng/ul# | 88       |
| 36) 2-Methylnaphthalene       | 12.770 | 142  | 2358441  | 459.216 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.981 | 142  | 1263499  | 236.939 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.745 | 154  | 340176   | 47.556  | ng/ul# | 95       |
| 52) Acenaphthene              | 14.979 | 153  | 192667   | 32.111  | ng/ul  | 95       |
| 56) Dibenzofuran              | 15.308 | 168  | 185535   | 20.997  | ng/ul  | 94       |
| 61) Fluorene                  | 15.954 | 166  | 73183    | 10.052  | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 16.159 | 169  | 29579    | 5.911   | ng/ul# | 49       |
| 72) Phenanthrene              | 17.698 | 178  | 162697   | 17.002  | ng/ul  | 97       |
| 74) Anthracene                | 17.792 | 178  | 18261m   | 1.889   | ng/ul  |          |
| 77) Carbazole                 | 18.051 | 167  | 16128    | 1.863   | ng/ul# | 75       |
| 78) Di-n-butylphthalate       | 18.603 | 149  | 14684    | 1.410   | ng/ul# | 84       |
| 80) Fluoranthene              | 19.702 | 202  | 27371    | 2.274   | ng/ul# | 93       |
| 82) Pyrene                    | 20.060 | 202  | 29606    | 2.485   | ng/ul# | 88       |
| 83) Butylbenzylphthalate      | 20.935 | 149  | 617093   | 154.467 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.875 | 149  | 5341965  | 954.614 | ng/ul# | 54       |
| 89) Di-n-octyl phthalate      | 23.156 | 149  | 257554m  | 25.265  | ng/ul  |          |
| -----                         |        |      |          |         |        |          |

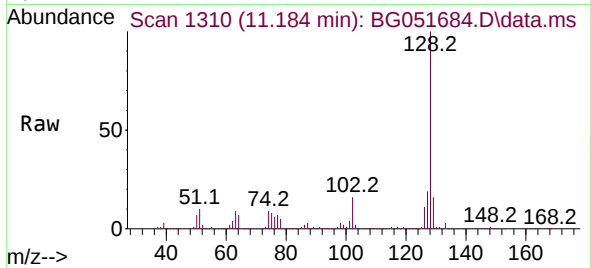
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#30  
Naphthalene  
Concen: 516.731 ng/ul  
RT: 11.184 min Scan# 11184  
Delta R.T. 0.007 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

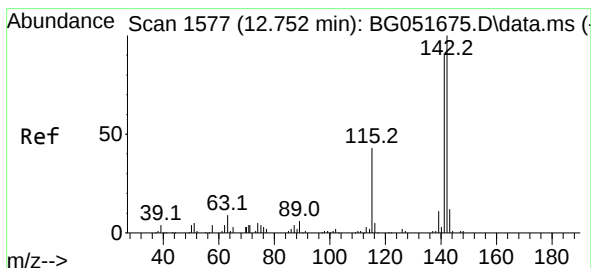
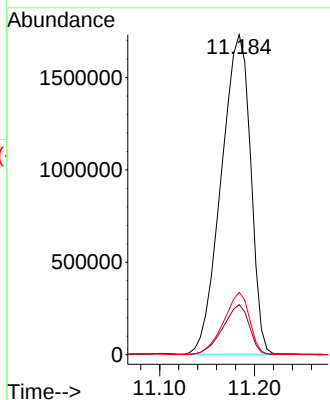
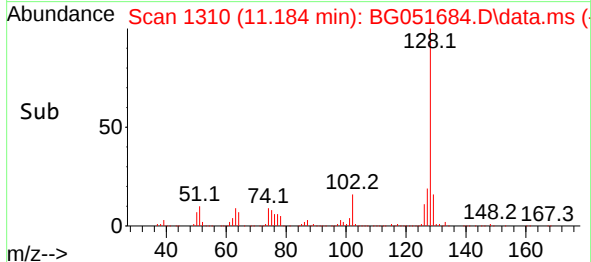
Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6



Tgt Ion:128 Resp: 3719884  
Ion Ratio Lower Upper  
128 100  
129 15.7 8.5 12.7  
127 19.4 11.8 17.6

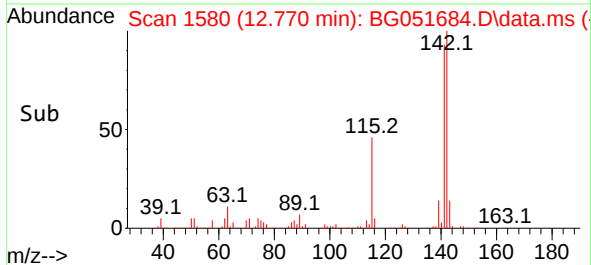
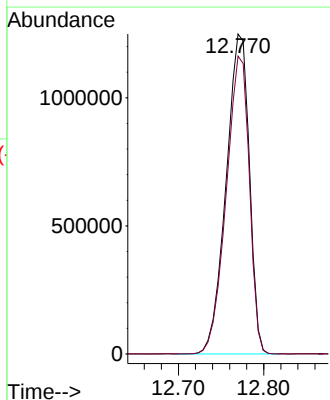
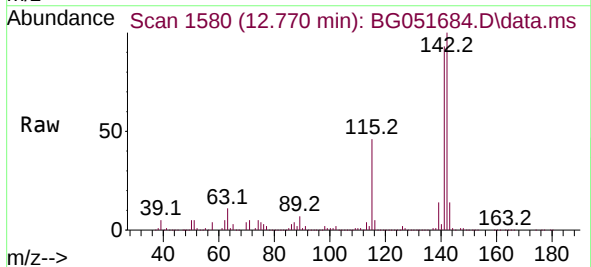
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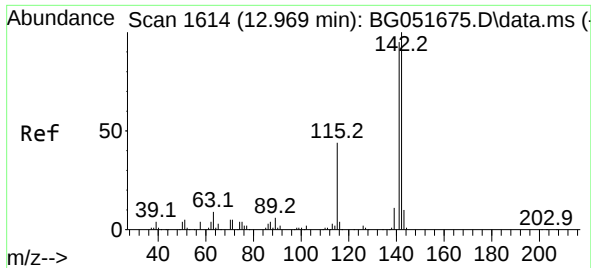
Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021



#36  
2-Methylnaphthalene  
Concen: 459.216 ng/ul  
RT: 12.770 min Scan# 1580  
Delta R.T. 0.001 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

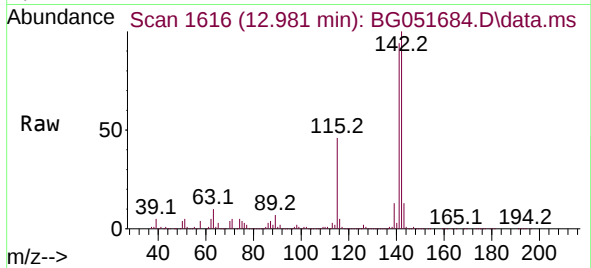
Tgt Ion:142 Resp: 2358441  
Ion Ratio Lower Upper  
142 100  
141 93.0 73.3 109.9





#37  
1-Methylnaphthalene  
Concen: 236.939 ng/ul  
RT: 12.981 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

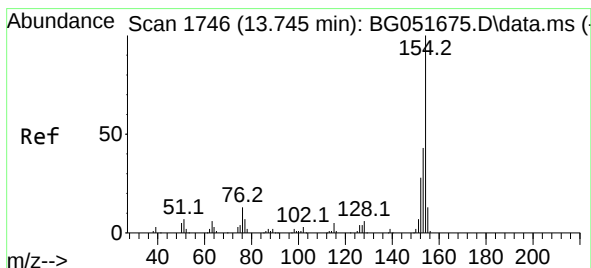
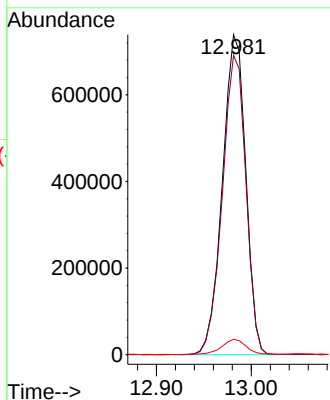
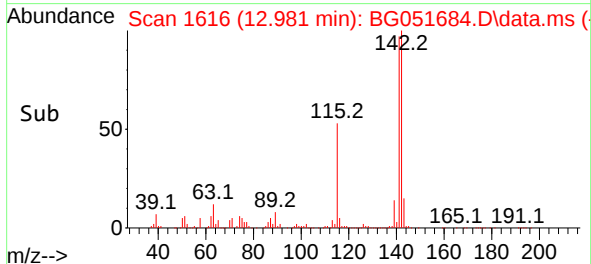
Instrument :  
BNA\_G  
ClientSampleId :  
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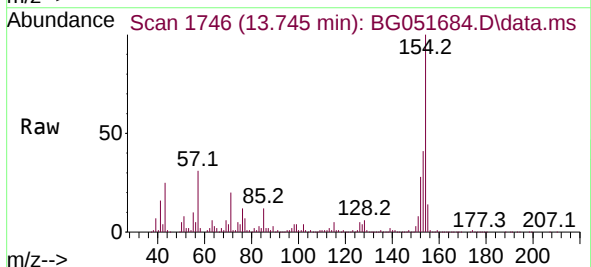
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Ion Ratio Lower Upper  
142 100  
141 93.6 77.8 116.8  
116 4.8 3.3 4.9

Manual Integrations  
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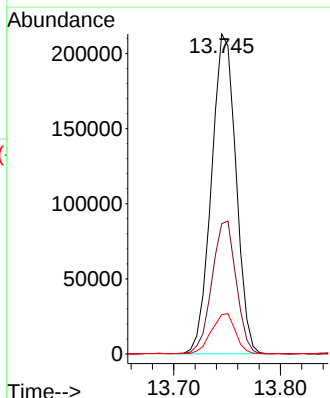
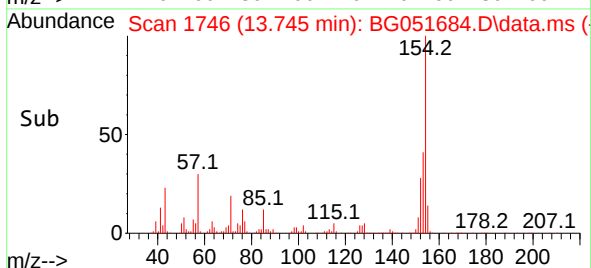
Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021

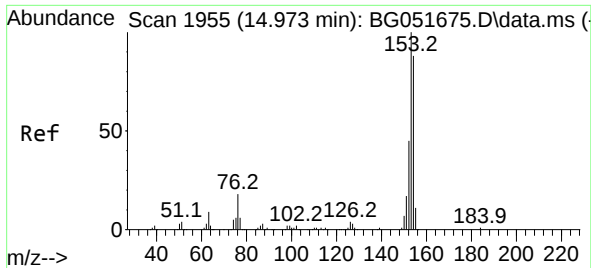


#43  
1,1'-Biphenyl  
Concen: 47.556 ng/ul  
RT: 13.745 min Scan# 1746  
Delta R.T. -0.011 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47



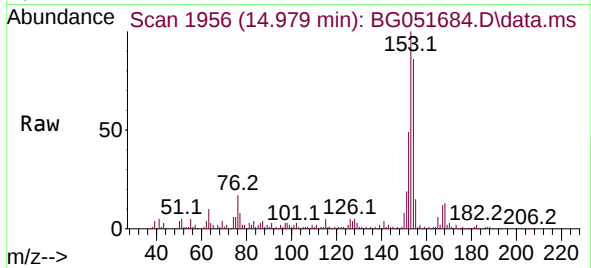
Tgt Ion:154 Resp: 340176  
Ion Ratio Lower Upper  
154 100  
153 40.7 34.5 51.7  
76 12.3 13.1 19.7#





#52  
Acenaphthene  
Concen: 32.111 ng/ul  
RT: 14.979 min Scan# 1955  
Delta R.T. -0.005 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

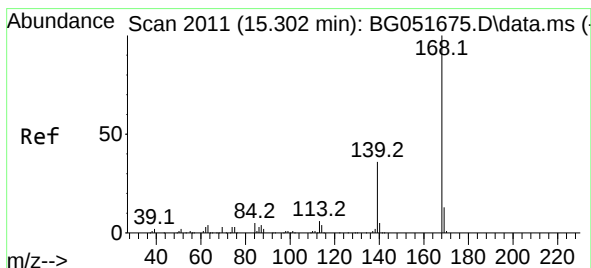
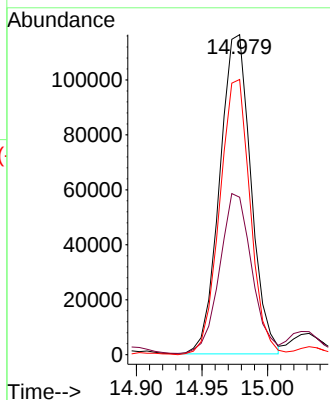
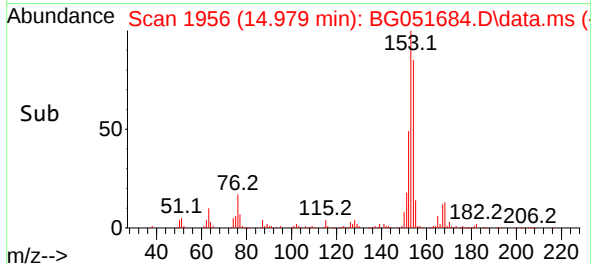
Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6



Tgt Ion:153 Resp: 19266  
Ion Ratio Lower Upper  
153 100  
152 49.2 36.5 54.7  
154 86.0 65.8 98.6

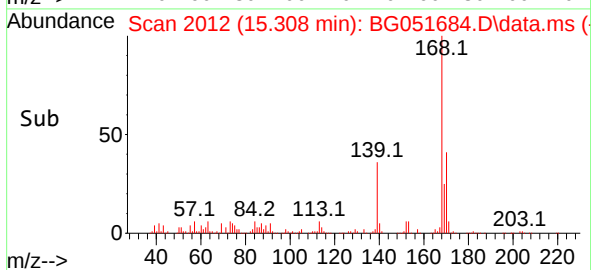
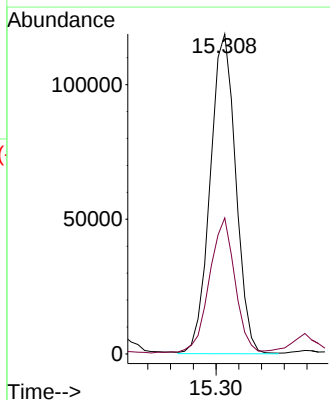
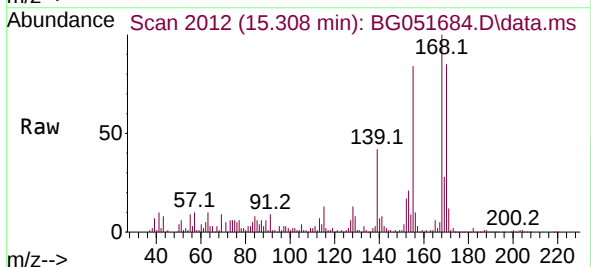
Manual Integrations  
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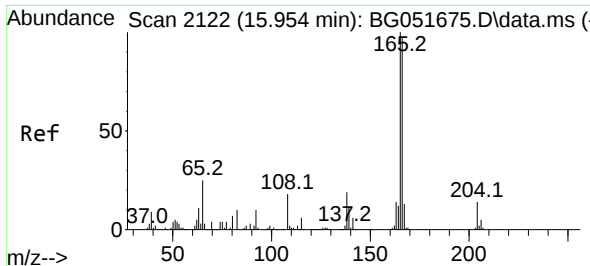
Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021



#56  
Dibenzofuran  
Concen: 20.997 ng/ul  
RT: 15.308 min Scan# 2012  
Delta R.T. -0.011 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

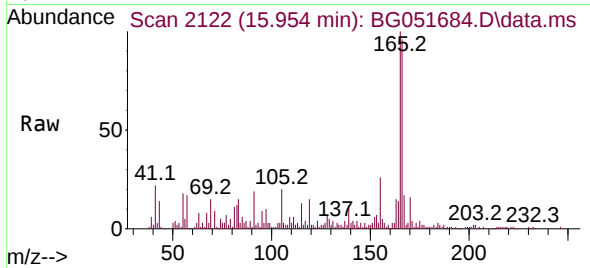
Tgt Ion:168 Resp: 185535  
Ion Ratio Lower Upper  
168 100  
139 42.5 31.2 46.8





#61  
Fluorene  
Concen: 10.052 ng/ul  
RT: 15.954 min Scan# 2122  
Delta R.T. -0.011 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

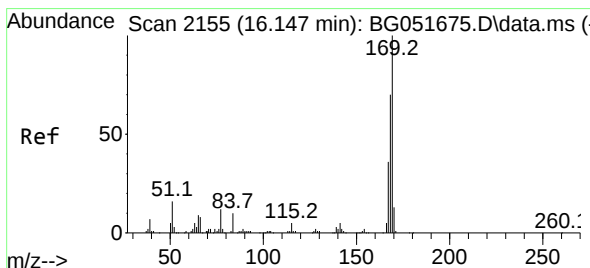
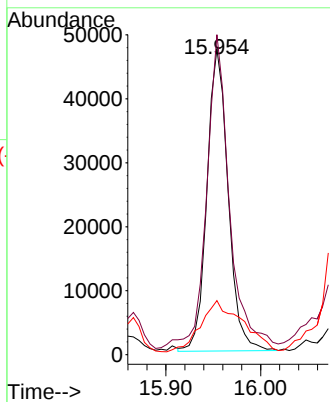
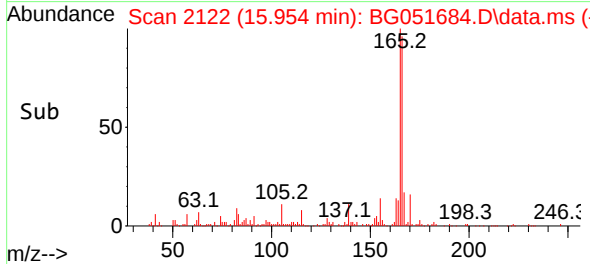
Instrument :  
BNA\_G  
ClientSampleId :  
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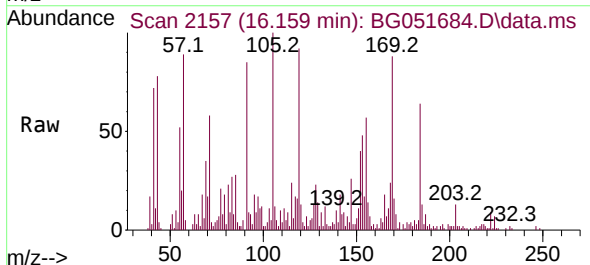
Tgt Ion:166 Resp: 7318  
Ion Ratio Lower Upper  
166 100  
165 104.7 81.0 121.6  
167 17.7 11.0 16.4

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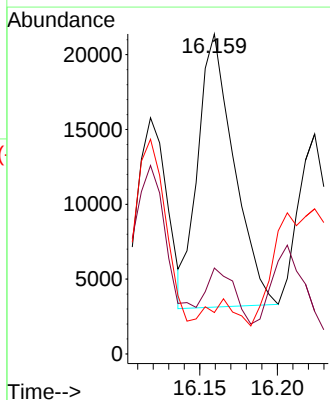
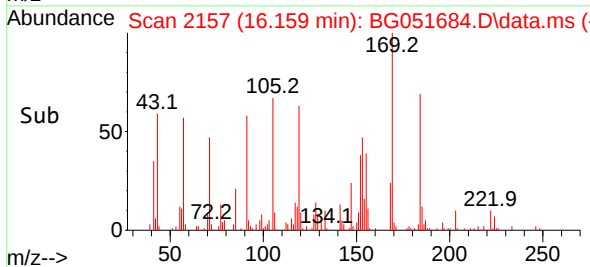
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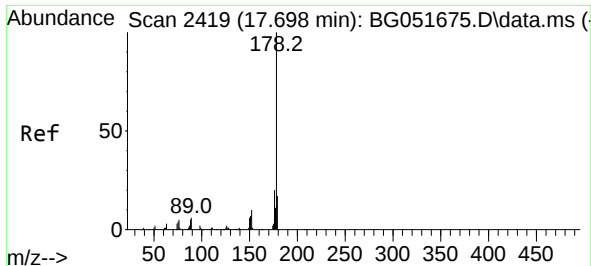


#67  
N-Nitrosodiphenylamine  
Concen: 5.911 ng/ul  
RT: 16.159 min Scan# 2157  
Delta R.T. 0.001 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47



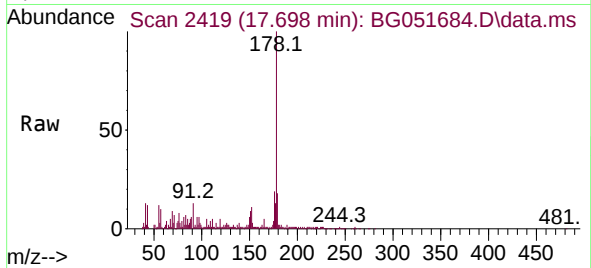
Tgt Ion:169 Resp: 29579  
Ion Ratio Lower Upper  
169 100  
168 26.9 58.5 87.7#  
167 13.0 31.3 46.9#





#72  
Phenanthrene  
Concen: 17.002 ng/ul  
RT: 17.698 min Scan# 2419  
Delta R.T. -0.011 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

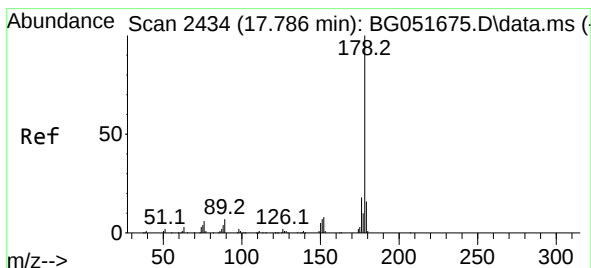
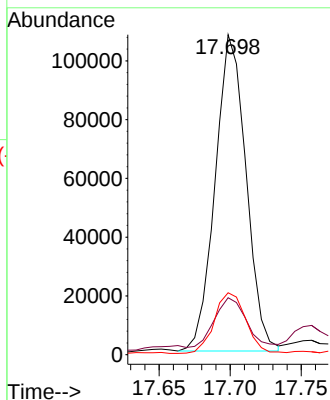
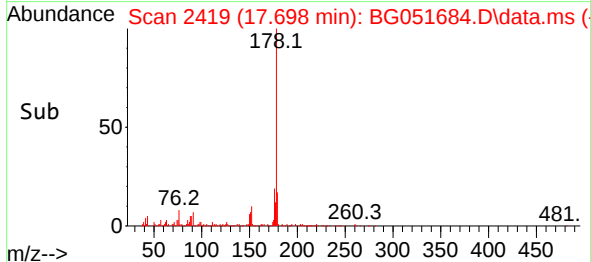
Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6



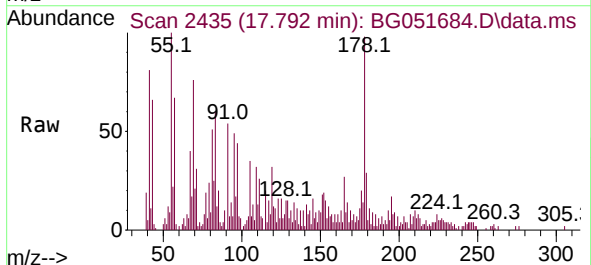
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176 19.4 15.5 23.3

Manual Integrations  
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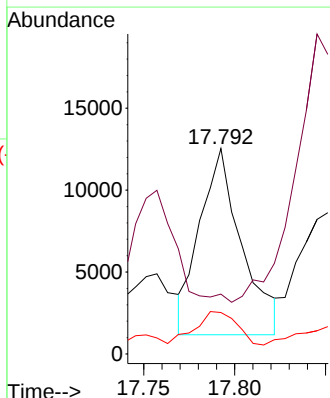
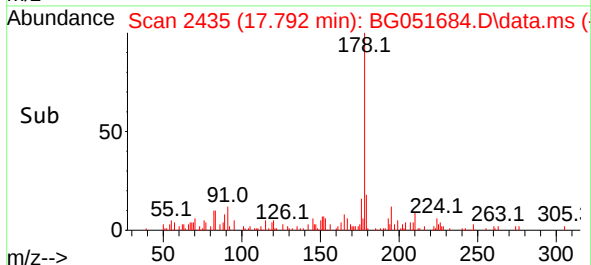
Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021

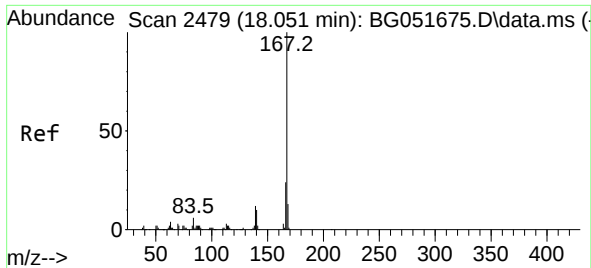


#74  
Anthracene  
Concen: 1.889 ng/ul m  
RT: 17.792 min Scan# 2435  
Delta R.T. -0.005 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47



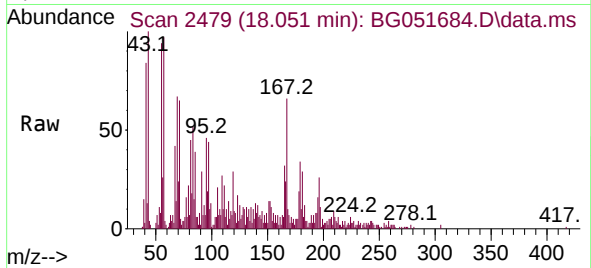
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Ion Ratio Lower Upper  
178 100  
179 29.1 13.0 19.6#  
176 20.2 15.6 23.4





#77  
 Carbazole  
 Concen: 1.863 ng/ul  
 RT: 18.051 min Scan# 2479  
 Delta R.T. -0.011 min  
 Lab File: BG051684.D  
 Acq: 20 Dec 2021 16:47

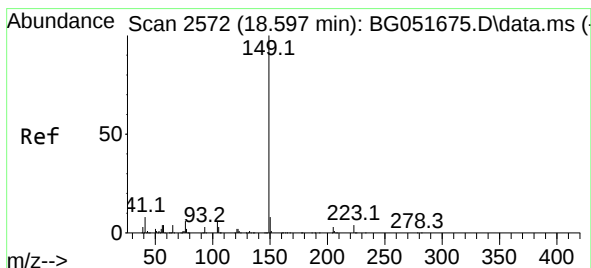
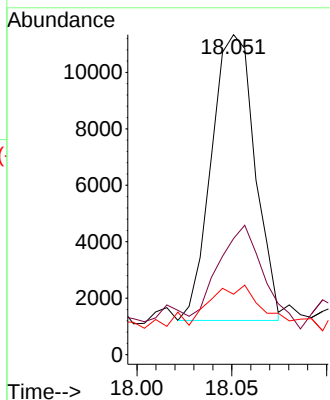
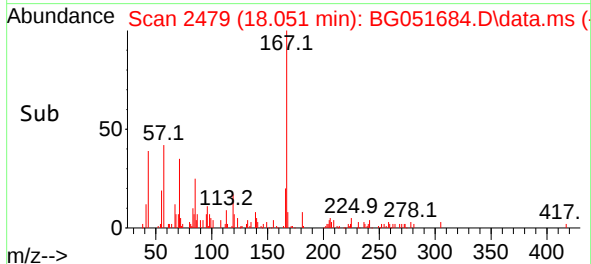
Instrument :  
 BNA\_G  
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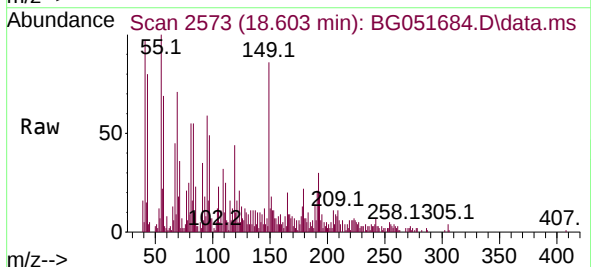
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Manual Integrations  
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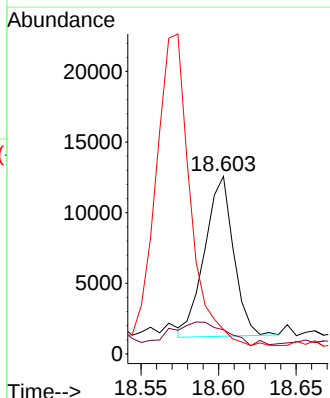
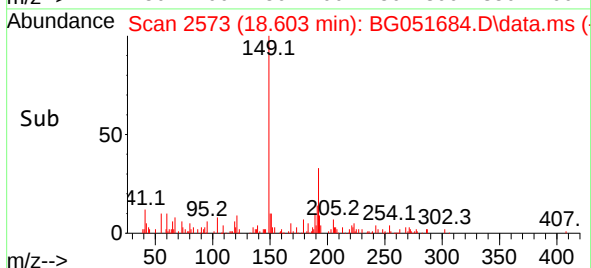
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 Supervised By :mohammad ahmed 12/28/2021

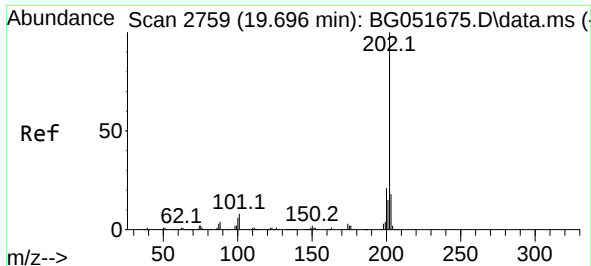


#78  
 Di-n-butylphthalate  
 Concen: 1.410 ng/ul  
 RT: 18.603 min Scan# 2573  
 Delta R.T. -0.011 min  
 Lab File: BG051684.D  
 Acq: 20 Dec 2021 16:47



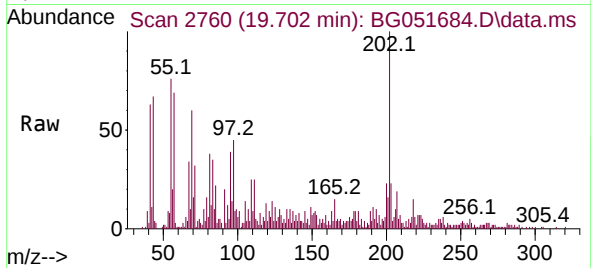
Tgt Ion:149 Resp: 14684  
 Ion Ratio Lower Upper  
 149 100  
 150 13.6 7.5 11.3#  
 104 13.8 5.0 7.6#





#80  
Fluoranthene  
Concen: 2.274 ng/ul  
RT: 19.702 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

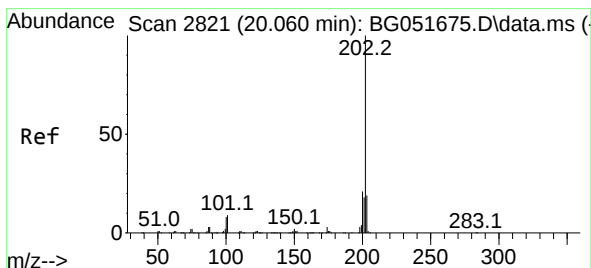
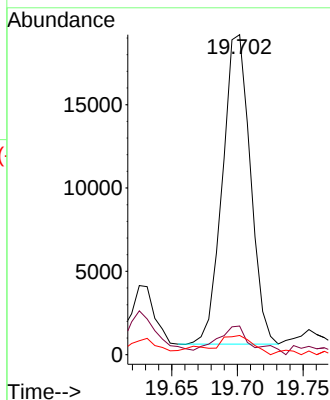
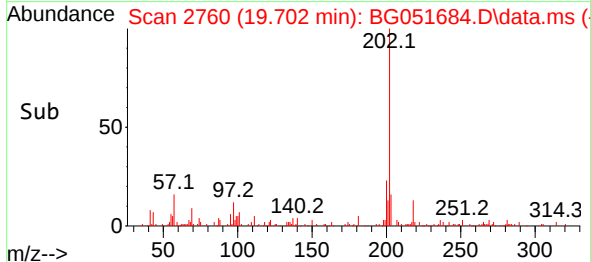
Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6



Tgt Ion:202 Resp: 2737  
Ion Ratio Lower Upper  
202 100  
101 9.0 9.3 13.9#  
100 6.0 7.0 10.6#

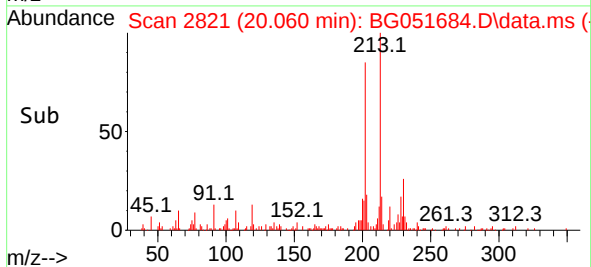
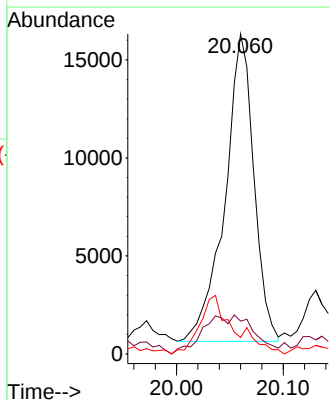
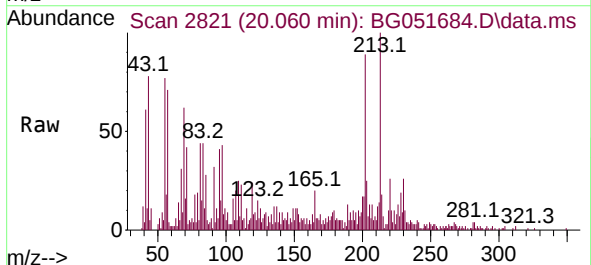
Manual Integrations  
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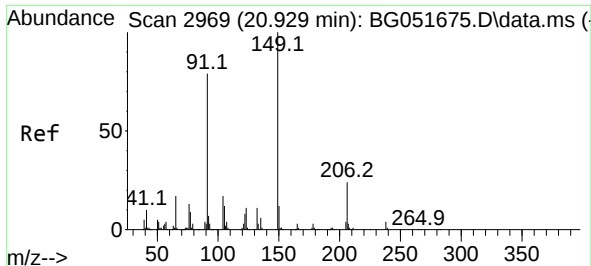
Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021



#82  
Pyrene  
Concen: 2.485 ng/ul  
RT: 20.060 min Scan# 2821  
Delta R.T. -0.005 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

Tgt Ion:202 Resp: 29606  
Ion Ratio Lower Upper  
202 100  
101 10.2 10.7 16.1#  
100 5.2 9.0 13.6#





#83

Butylbenzylphthalate

Concen: 154.467 ng/ul

RT: 20.935 min Scan# 2969

Delta R.T. -0.011 min

Lab File: BG051684.D

Acq: 20 Dec 2021 16:47

Instrument :

BNA\_G

ClientSampleId :

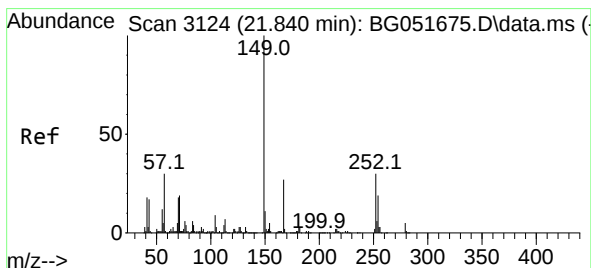
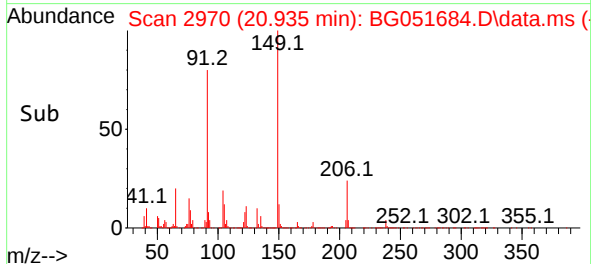
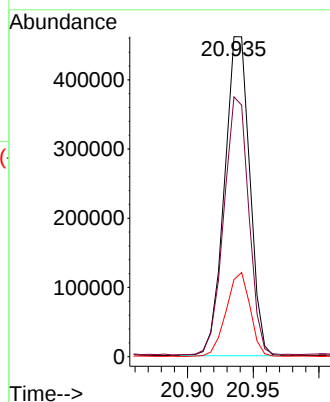
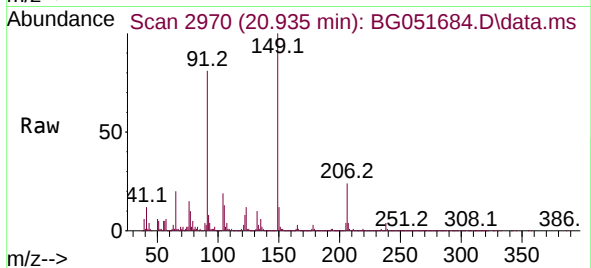
BGLA6

Tgt Ion:149 Resp: 617093  
 Ion Ratio Lower Upper  
 149 100  
 91 81.2 65.2 97.8  
 206 24.1 16.2 24.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



#86

Bis(2-ethylhexyl)phthalate

Concen: 954.614 ng/ul

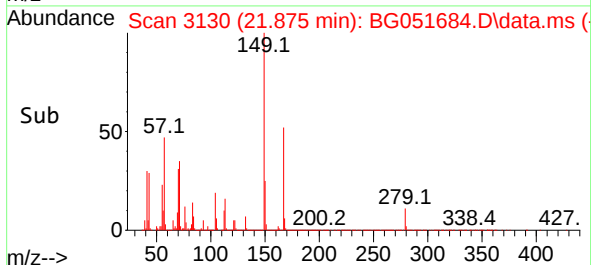
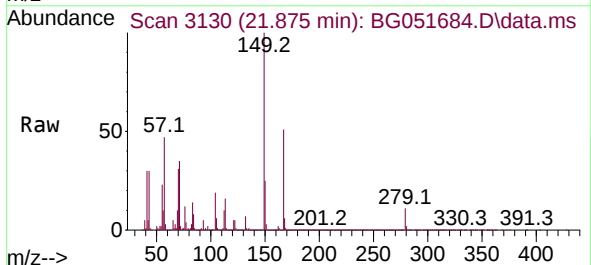
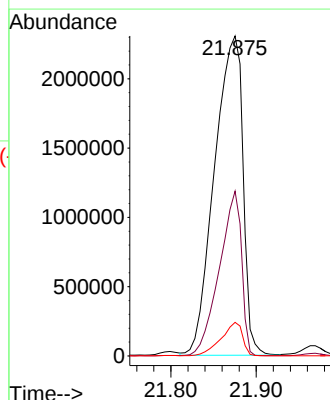
RT: 21.875 min Scan# 3130

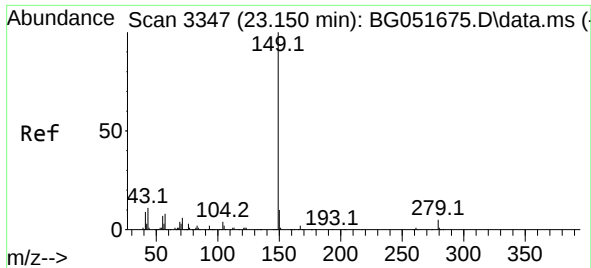
Delta R.T. 0.007 min

Lab File: BG051684.D

Acq: 20 Dec 2021 16:47

Tgt Ion:149 Resp: 5341965  
 Ion Ratio Lower Upper  
 149 100  
 167 51.5 21.1 31.7#  
 279 10.5 2.7 4.1#





#89  
Di-n-octyl phthalate  
Concen: 25.265 ng/ul m  
RT: 23.156 min Scan# 31  
Delta R.T. -0.028 min  
Lab File: BG051684.D  
Acq: 20 Dec 2021 16:47

Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6

Tgt Ion:149 Resp: 257554

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021

