

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120621\  
 Data File : BG051394.D  
 Acq On : 7 Dec 2021 22:45  
 Operator : CG/JU  
 Sample : M4870-08  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGKP5

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2021  
 Supervised By :mohammad ahmed 12/15/2021

Quant Time: Dec 08 02:24:09 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 03 15:23:09 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.183  | 152  | 29224    | 20.000  | ng/ul  | -0.02    |
| 20) Naphthalene-d8            | 11.021 | 136  | 126332   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.823 | 164  | 84803    | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.572 | 188  | 181881   | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.873 | 240  | 155200   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.275 | 264  | 157605   | 20.000  | ng/ul  | 0.00     |
|                               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.524  | 96   | 4450     | 5.292   | ng/uL  | -0.02    |
| 4) Pyridine-d5                | 3.971  | 84   | 20334    | 8.240   | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.349  | 99   | 25473    | 8.819   | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.508  | 67   | 61122    | 33.695  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.719  | 132  | 57808    | 27.794  | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.906  | 113  | 46140    | 19.796  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.370  | 128  | 38801    | 36.384  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.093 | 143  | 40331    | 33.526  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.645 | 165  | 67835    | 33.235  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.162 | 131  | 67721    | 22.676  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.217 | 166  | 243053   | 37.249  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.523 | 160  | 316603   | 38.479  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.063 | 143  | 11258    | 10.659  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.816 | 176  | 223505   | 38.038  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.951 | 200  | 33467    | 29.819  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.672 | 188  | 344230   | 39.573  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.952 | 212  | 377543   | 40.204  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.046 | 264  | 343888   | 40.855  | ng/ul  | 0.00     |
|                               |        |      |          |         |        |          |
| Target Compounds              |        |      |          |         |        | Qvalue   |
| 8) Phenol                     | 7.384  | 94   | 605627   | 202.407 | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.636  | 108  | 84529    | 37.927  | ng/ul  | 99       |
| 16) Acetophenone              | 9.018  | 105  | 41274m   | 11.449  | ng/ul  |          |
| 18) 4-Methylphenol            | 8.971  | 108  | 110838   | 46.508  | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 10.181 | 107  | 113519m  | 44.560  | ng/ul  |          |
| 30) Naphthalene               | 11.092 | 128  | 3426714  | 498.505 | ng/ul# | 88       |
| 32) 4-Chloroaniline           | 11.186 | 127  | 277760   | 92.642  | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.696 | 142  | 3296244  | 704.989 | ng/ul  | 96       |
| 37) 1-Methylnaphthalene       | 12.901 | 142  | 1730432  | 359.733 | ng/ul# | 98       |
| 43) 1,1'-Biphenyl             | 13.659 | 154  | 716186   | 113.071 | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.264 | 163  | 7672     | 1.162   | ng/ul  | 97       |
| 52) Acenaphthene              | 14.887 | 153  | 321552   | 59.978  | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.222 | 168  | 492531   | 63.693  | ng/ul  | 98       |
| 59) Diethylphthalate          | 15.616 | 149  | 121200   | 17.482  | ng/ul  | 98       |
| 61) Fluorene                  | 15.868 | 166  | 175486   | 28.331  | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.068 | 169  | 93315    | 17.921  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.613 | 178  | 44523    | 4.434   | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.501 | 149  | 54368    | 4.816   | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.845 | 149  | 520508   | 110.970 | ng/ul  | 95       |
| -----                         |        |      |          |         |        |          |

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

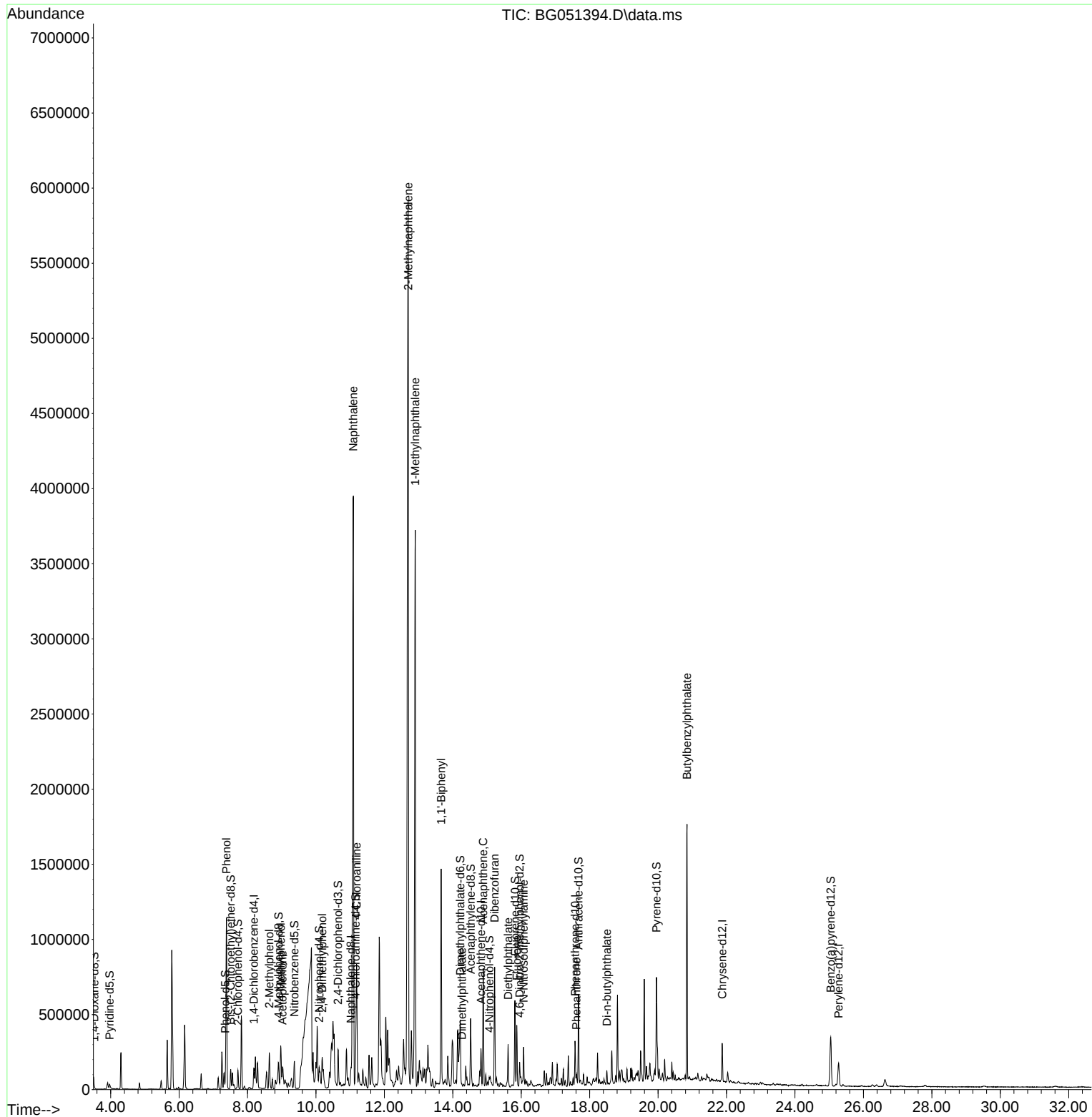
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120621\  
Data File : BG051394.D  
Acq On : 7 Dec 2021 22:45  
Operator : CG/JU  
Sample : M4870-08  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

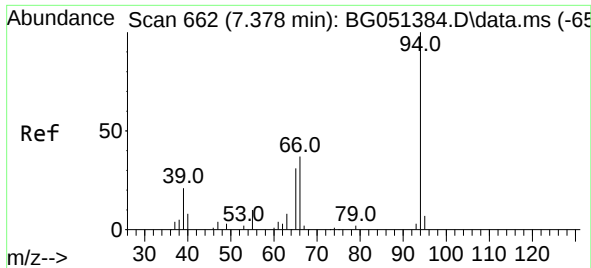
Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021

Quant Time: Dec 08 02:24:09 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 03 15:23:09 2021  
Response via : Initial Calibration





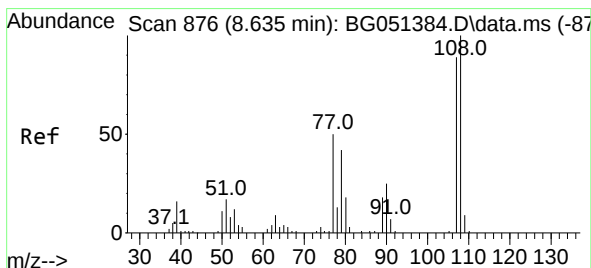
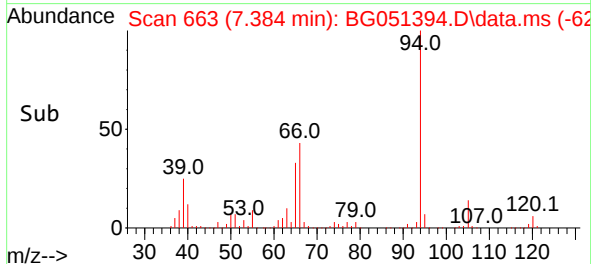
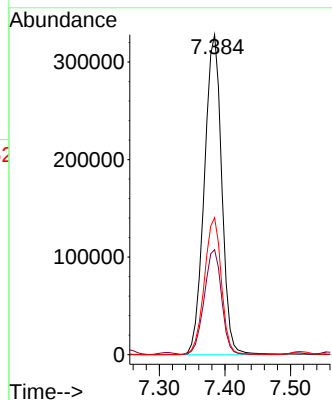
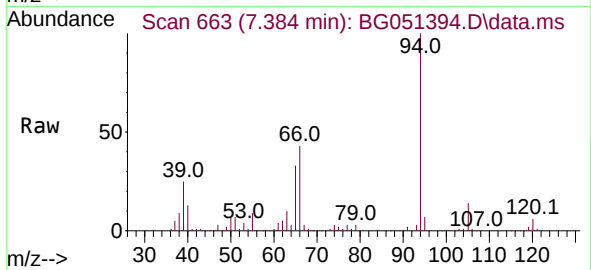
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Phenol  
Concen: 202.407 ng/ul  
RT: 7.384 min Scan# 60562  
Delta R.T. -0.002 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5

Tgt Ion: 94 Resp: 60562  
Ion Ratio Lower Upper  
94 100  
65 32.8 25.1 37.7  
66 42.8 31.6 47.4

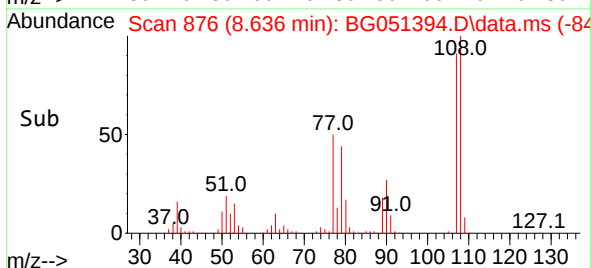
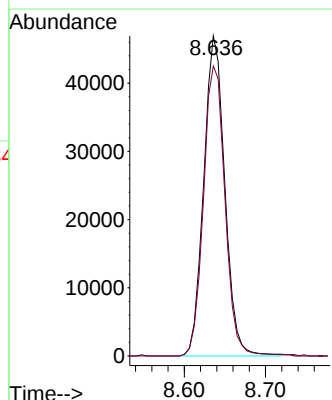
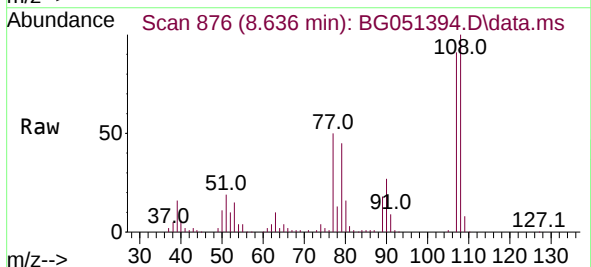
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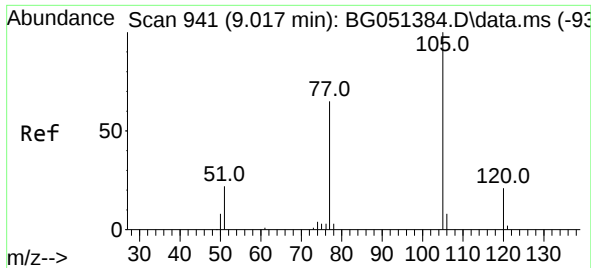
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021



#13  
2-Methylphenol  
Concen: 37.927 ng/ul  
RT: 8.636 min Scan# 876  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

Tgt Ion:108 Resp: 84529  
Ion Ratio Lower Upper  
108 100  
107 90.6 71.8 107.6





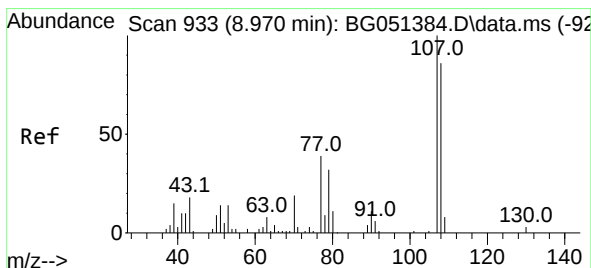
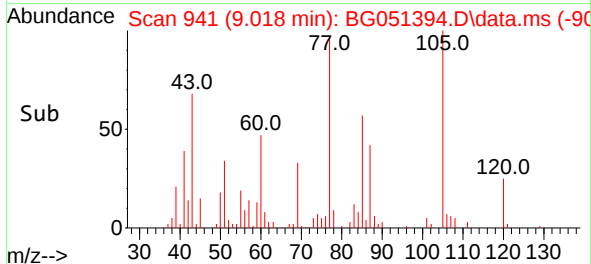
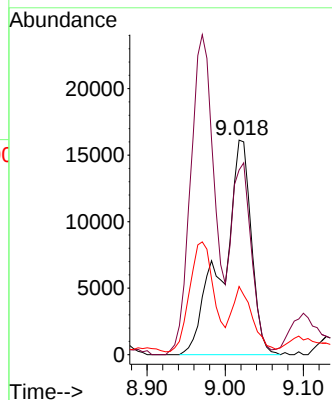
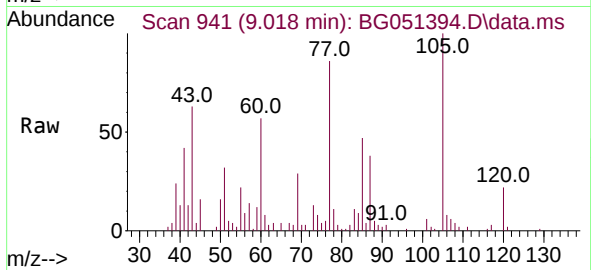
#16  
Acetophenone  
Concen: 11.449 ng/ul m  
RT: 9.018 min Scan# 941  
Delta R.T. -0.014 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5

Tgt Ion:105 Resp: 41274  
Ion Ratio Lower Upper  
105 100  
77 86.1 67.3 100.9  
51 31.8 24.0 36.0

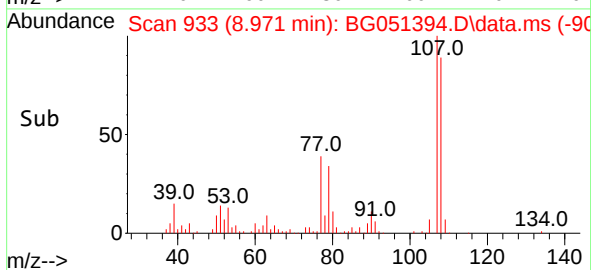
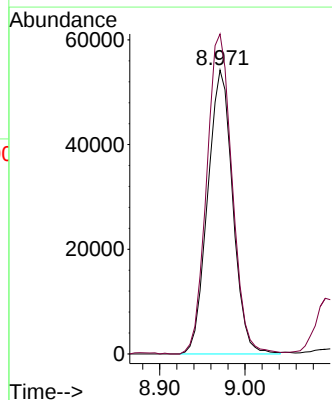
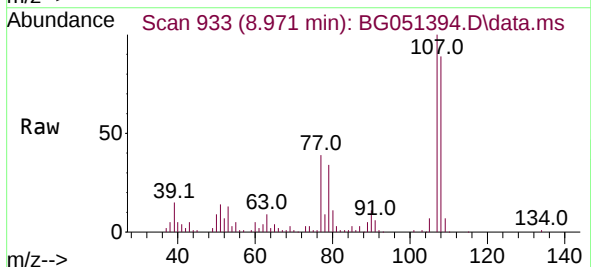
Manual Integrations  
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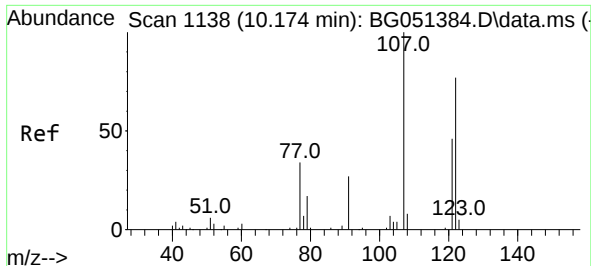
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021



#18  
4-Methylphenol  
Concen: 46.508 ng/ul  
RT: 8.971 min Scan# 933  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

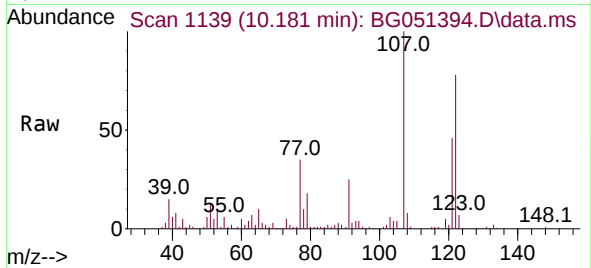
Tgt Ion:108 Resp: 110838  
Ion Ratio Lower Upper  
108 100  
107 112.7 95.0 142.4





#26  
2,4-Dimethylphenol  
Concen: 44.560 ng/ul m  
RT: 10.181 min Scan# 1138  
Delta R.T. -0.002 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

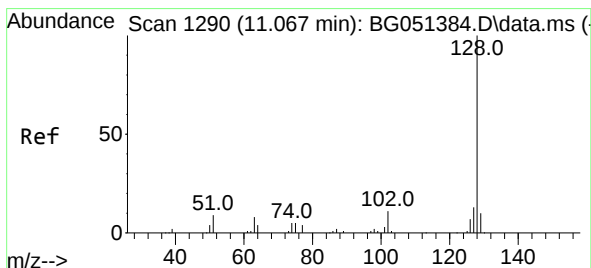
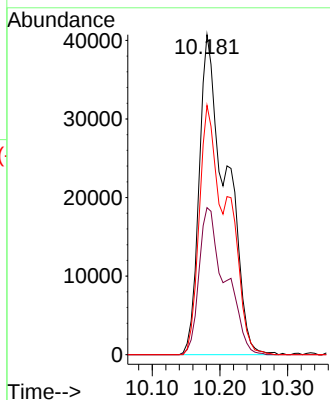
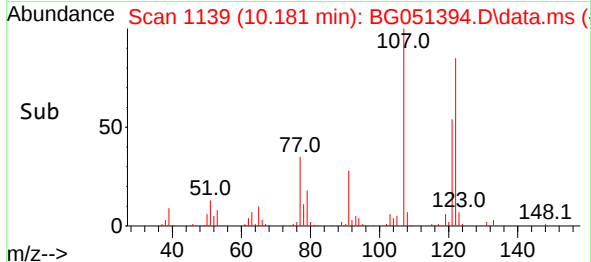
Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5



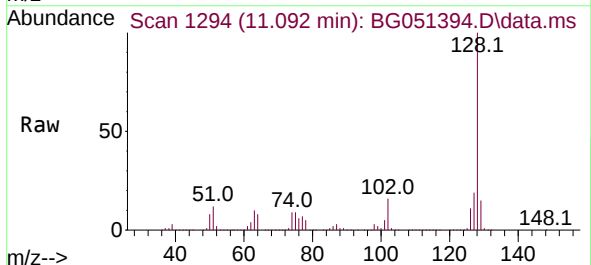
Tgt Ion:107 Resp: 113519  
Ion Ratio Lower Upper  
107 100  
121 46.0 39.3 58.9  
122 77.9 63.7 95.5

Manual Integrations  
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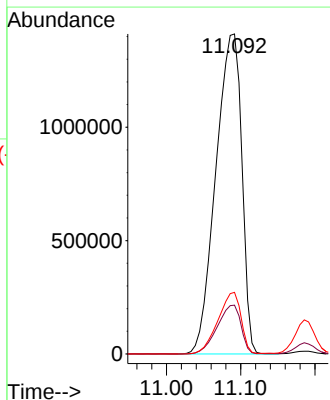
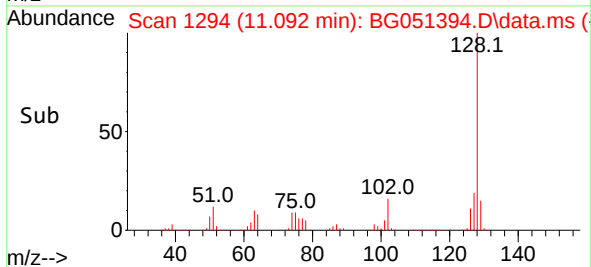
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021

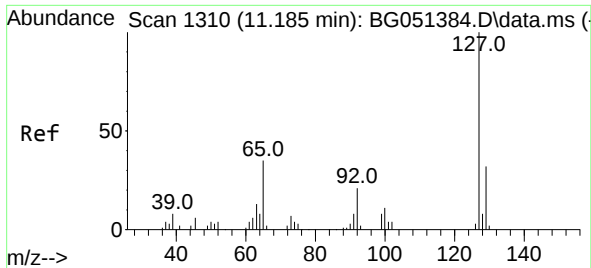


#30  
Naphthalene  
Concen: 498.505 ng/ul  
RT: 11.092 min Scan# 1294  
Delta R.T. 0.016 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45



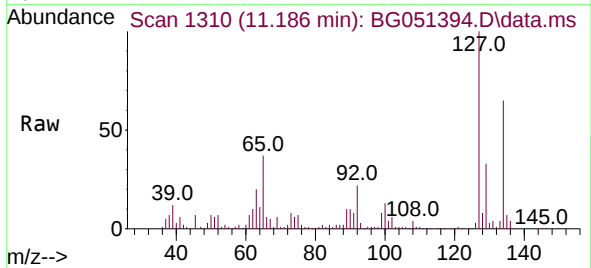
Tgt Ion:128 Resp: 3426714  
Ion Ratio Lower Upper  
128 100  
129 15.2 8.5 12.7#  
127 19.2 11.8 17.6#





#32  
4-Chloroaniline  
Concen: 92.642 ng/ul  
RT: 11.186 min Scan# 111  
Delta R.T. -0.002 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

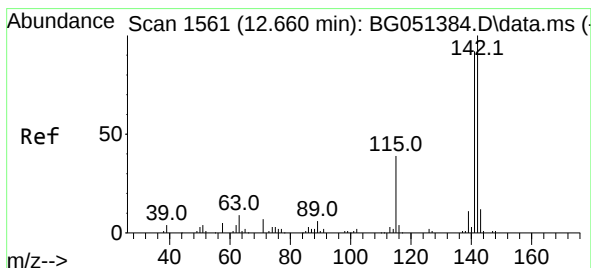
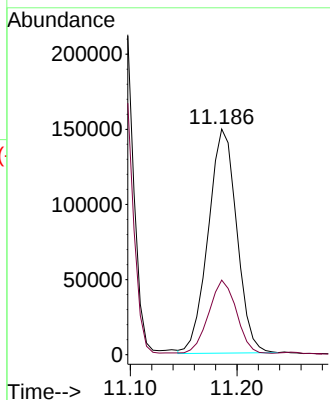
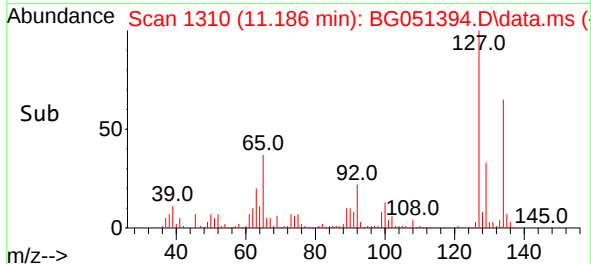
Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5



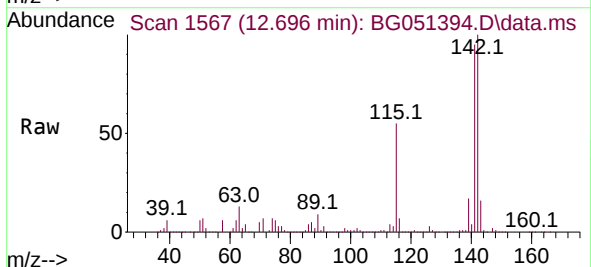
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Ion Ratio Lower Upper  
127 100  
129 33.0 26.2 39.2

Manual Integrations  
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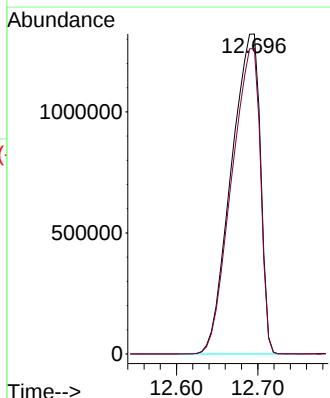
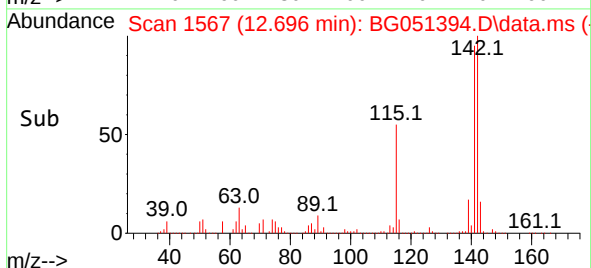
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021

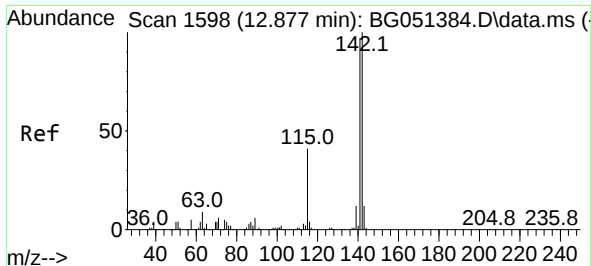


#36  
2-Methylnaphthalene  
Concen: 704.989 ng/ul  
RT: 12.696 min Scan# 1567  
Delta R.T. 0.027 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45



Tgt Ion:142 Resp: 3296244  
Ion Ratio Lower Upper  
142 100  
141 95.5 73.3 109.9





#37

1-Methylnaphthalene

Concen: 359.733 ng/ul

RT: 12.901 min Scan# 1

Delta R.T. 0.016 min

Lab File: BG051394.D

Acq: 7 Dec 2021 22:45

Instrument :

BNA\_G

ClientSampleId :

BGKP5

Tgt Ion:142 Resp: 173043

Ion Ratio Lower Upper

142 100

141 95.7 77.8 116.8

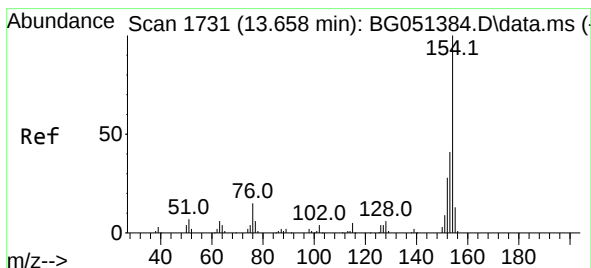
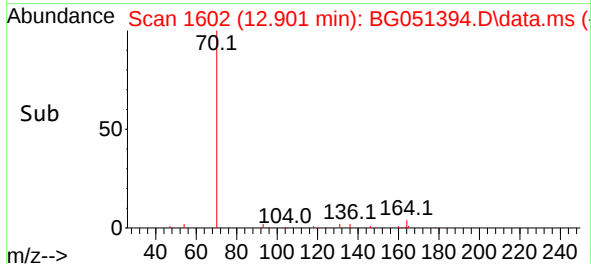
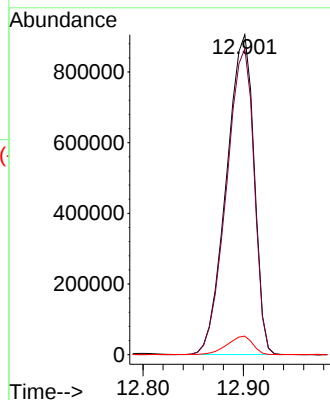
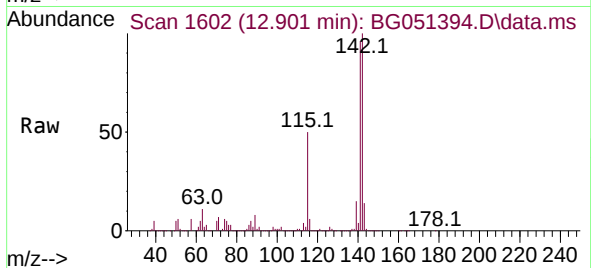
116 5.8 3.3 4.9

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 113.071 ng/ul

RT: 13.659 min Scan# 1731

Delta R.T. -0.008 min

Lab File: BG051394.D

Acq: 7 Dec 2021 22:45

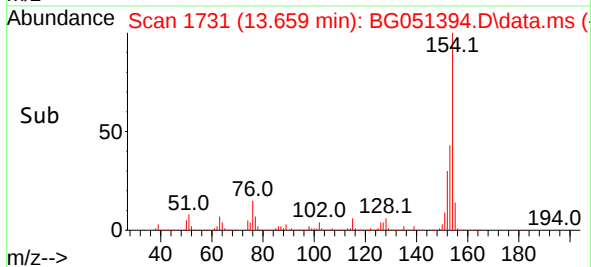
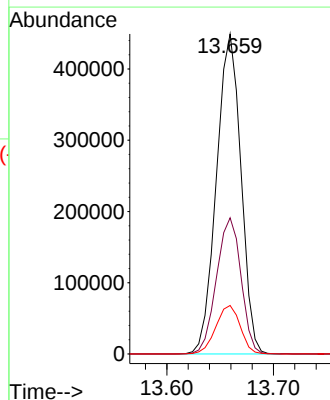
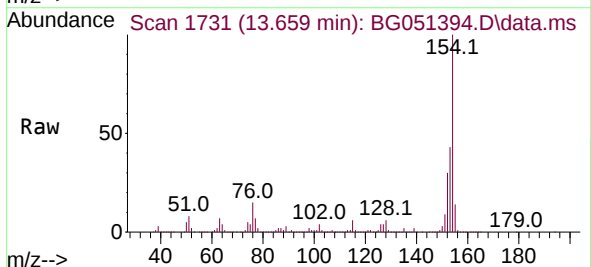
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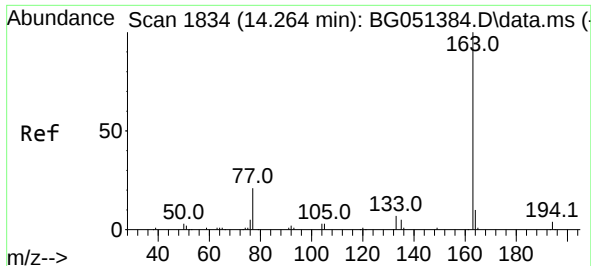
Ion Ratio Lower Upper

154 100

153 42.5 34.5 51.7

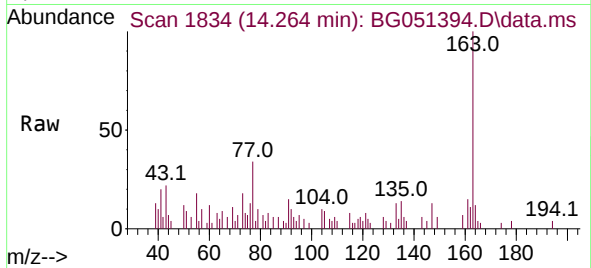
76 15.2 13.1 19.7





#47  
Dimethylphthalate  
Concen: 1.162 ng/ul  
RT: 14.264 min Scan# 1834  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

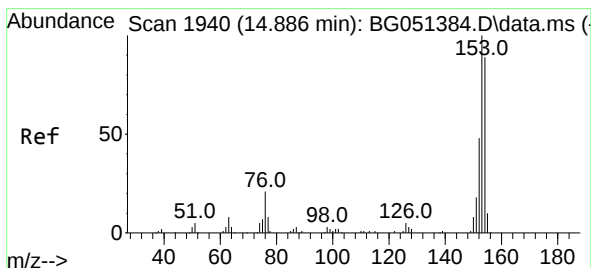
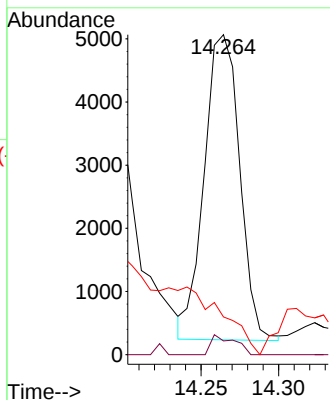
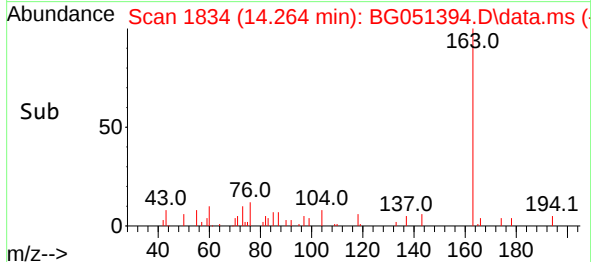
Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5



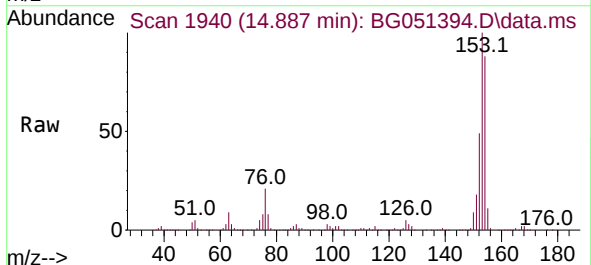
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Ion Ratio Lower Upper  
163 100  
194 4.3 3.0 4.4  
164 11.8 8.2 12.4

Manual Integrations  
APPROVED

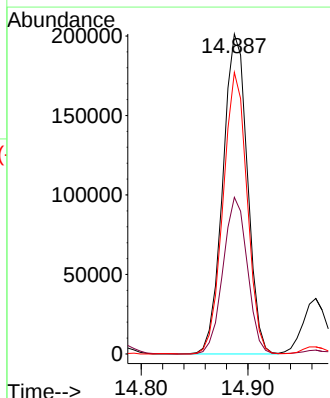
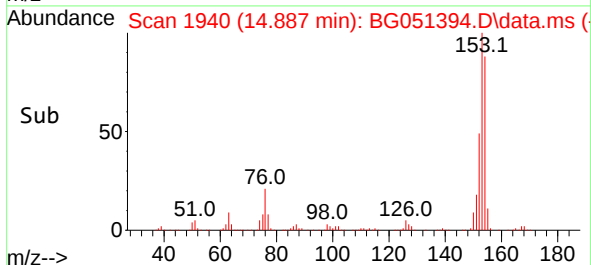
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021

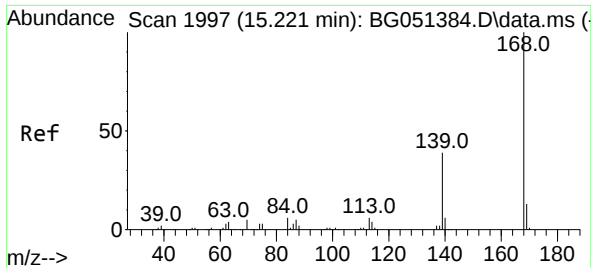


#52  
Acenaphthene  
Concen: 59.978 ng/ul  
RT: 14.887 min Scan# 1940  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45



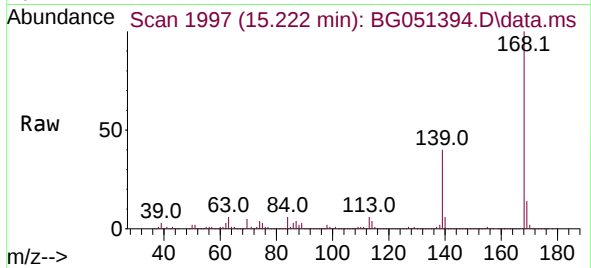
Tgt Ion:153 Resp: 321552  
Ion Ratio Lower Upper  
153 100  
152 49.0 36.5 54.7  
154 88.0 65.8 98.6





#56  
Dibenzenofuran  
Concen: 63.693 ng/ul  
RT: 15.222 min Scan# 1997  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

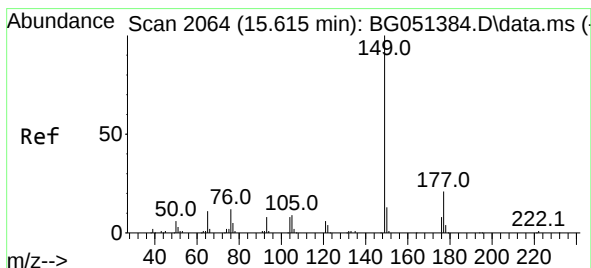
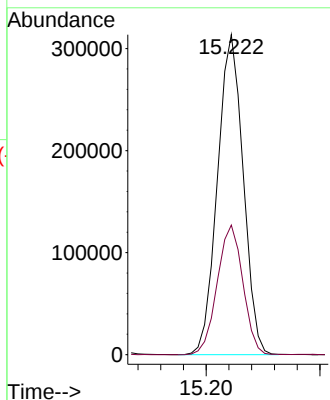
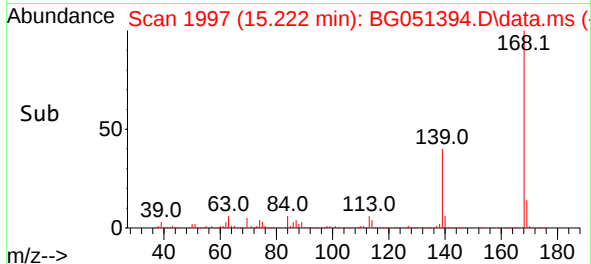
Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5



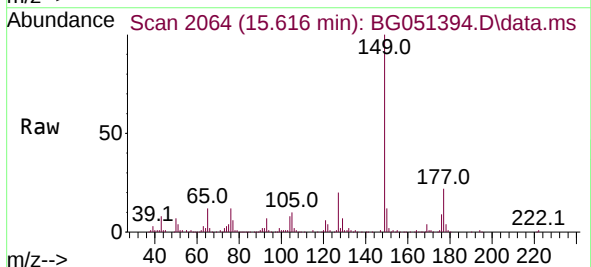
Tgt Ion:168 Resp: 49253  
Ion Ratio Lower Upper  
168 100  
139 40.5 31.2 46.8

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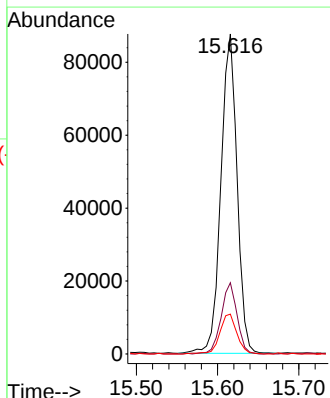
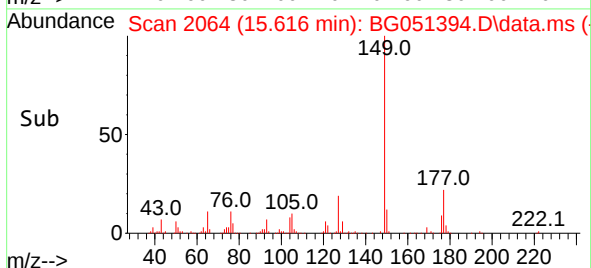
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021

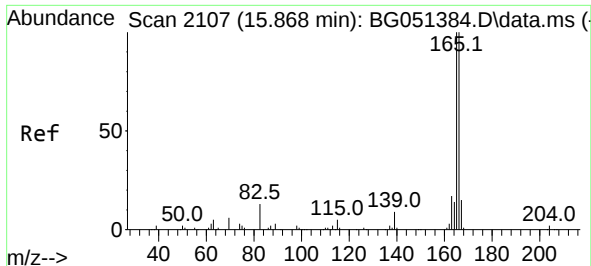


#59  
Diethylphthalate  
Concen: 17.482 ng/ul  
RT: 15.616 min Scan# 2064  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45



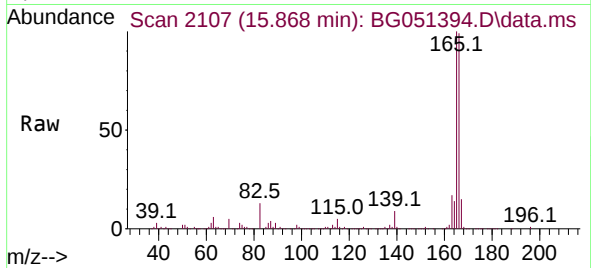
Tgt Ion:149 Resp: 121200  
Ion Ratio Lower Upper  
149 100  
177 22.2 16.8 25.2  
150 12.4 10.1 15.1





#61  
Fluorene  
Concen: 28.331 ng/ul  
RT: 15.868 min Scan# 2107  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

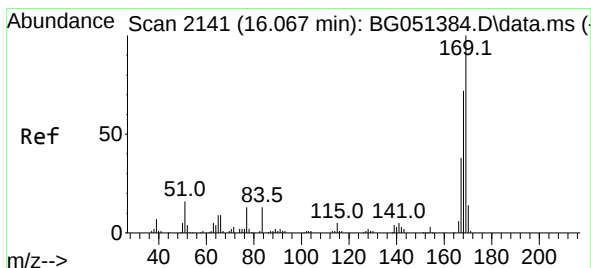
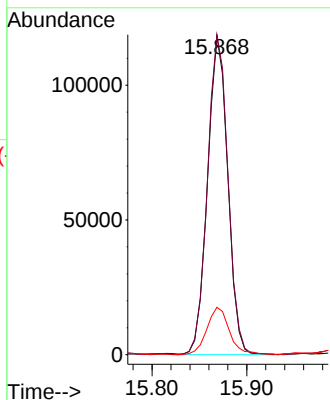
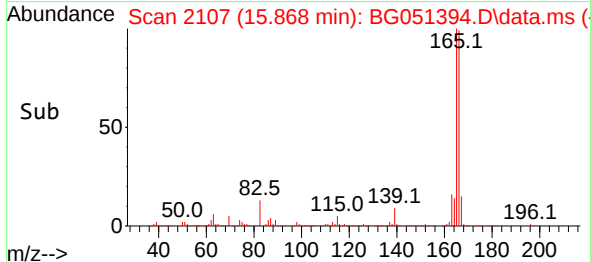
Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5



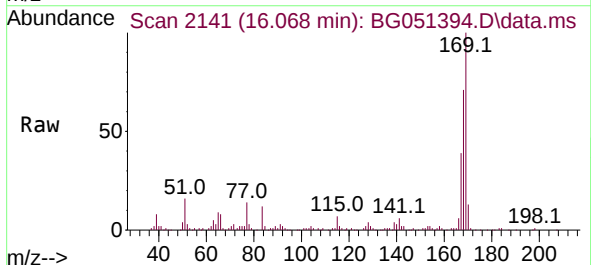
Tgt Ion:166 Resp: 175480  
Ion Ratio Lower Upper  
166 100  
165 100.5 81.0 121.6  
167 14.9 11.0 16.4

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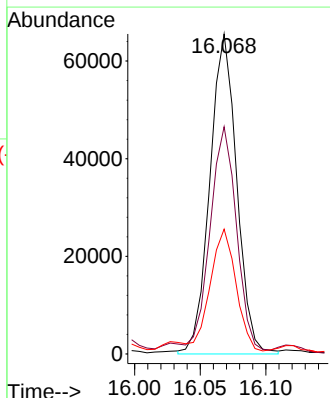
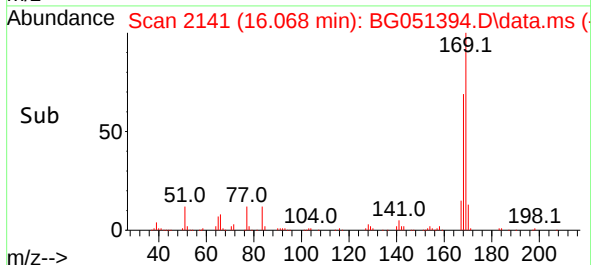
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021

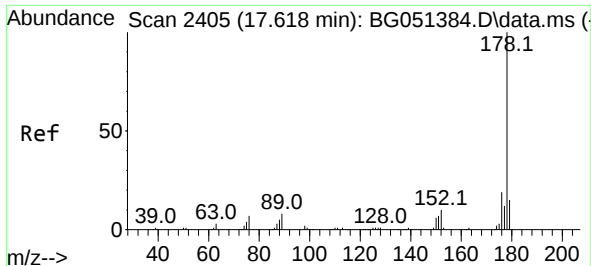


#67  
N-Nitrosodiphenylamine  
Concen: 17.921 ng/ul  
RT: 16.068 min Scan# 2141  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45



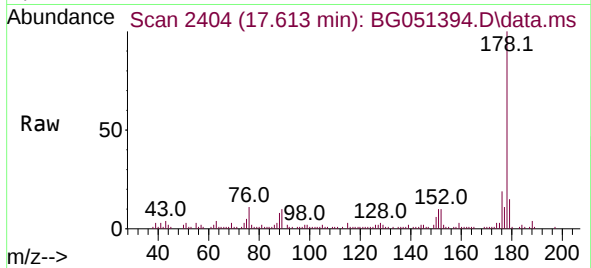
Tgt Ion:169 Resp: 93315  
Ion Ratio Lower Upper  
169 100  
168 71.0 58.5 87.7  
167 39.0 31.3 46.9





#72  
Phenanthrene  
Concen: 4.434 ng/ul  
RT: 17.613 min Scan# 2404  
Delta R.T. -0.008 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45

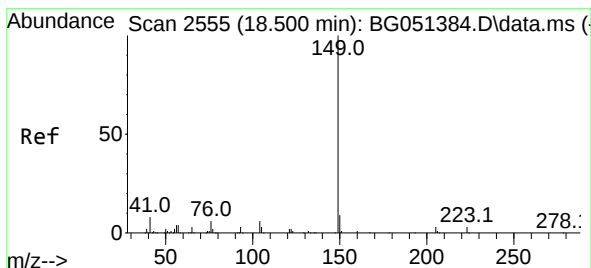
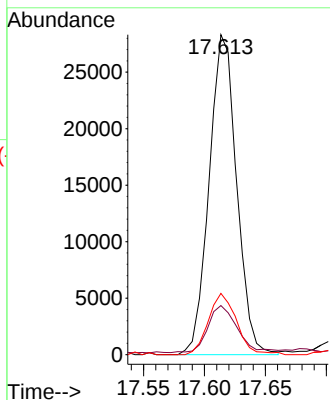
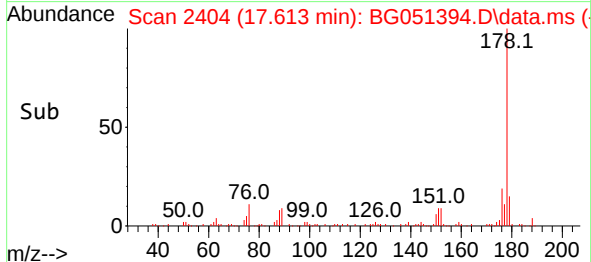
Instrument :  
BNA\_G  
ClientSampleId :  
BGKP5



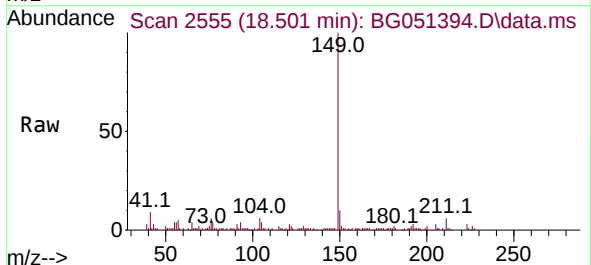
Tgt Ion:178 Resp: 4452  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.3 18.5  
176 19.2 15.5 23.3

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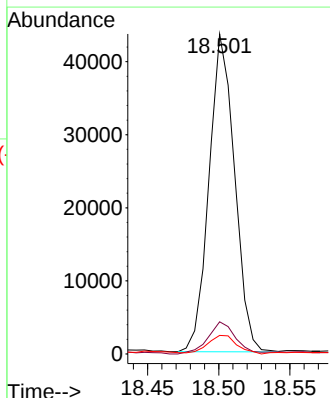
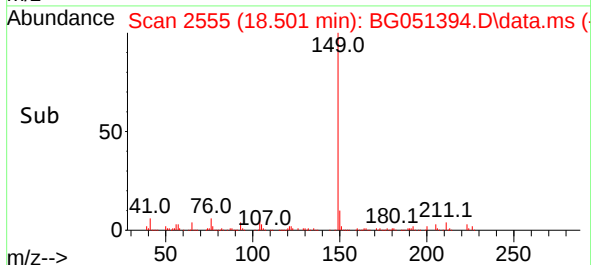
Reviewed By :Jagrut Upadhyay 12/08/2021  
Supervised By :mohammad ahmed 12/15/2021

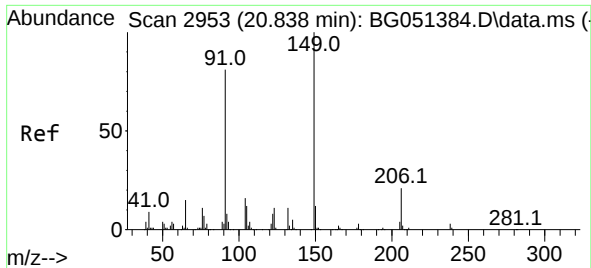


#78  
Di-n-butylphthalate  
Concen: 4.816 ng/ul  
RT: 18.501 min Scan# 2555  
Delta R.T. -0.014 min  
Lab File: BG051394.D  
Acq: 7 Dec 2021 22:45



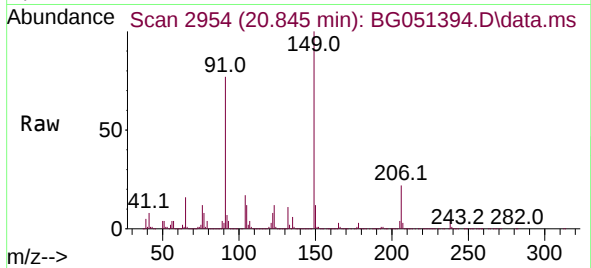
Tgt Ion:149 Resp: 54368  
Ion Ratio Lower Upper  
149 100  
150 10.1 7.5 11.3  
104 5.8 5.0 7.6





#83  
 Butylbenzylphthalate  
 Concen: 110.970 ng/ul  
 RT: 20.845 min Scan# 2954  
 Delta R.T. -0.002 min  
 Lab File: BG051394.D  
 Acq: 7 Dec 2021 22:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGKP5



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 520508 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 76.7  | 65.2  | 97.8   |
| 206       | 22.4  | 16.2  | 24.2   |

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Reviewed By :Jagrut Upadhyay 12/08/2021  
 Supervised By :mohammad ahmed 12/15/2021

