

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121823\  
 Data File : BF136612.D  
 Acq On : 18 Dec 2023 13:53  
 Operator : CG\JU  
 Sample : PB157801BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157801BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023  
 Supervised By :mohammad ahmed 12/19/2023

Quant Time: Dec 18 14:49:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 15 00:33:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 138835   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 601855   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.827  | 164  | 312192   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.321 | 188  | 578458   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 293668   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.456 | 264  | 256770   | 20.000  | ng    | 0.02     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 1067787  | 113.583 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 1299006  | 110.751 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 786771   | 70.670  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.627 | 330  | 430954   | 111.955 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1623585  | 70.962  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.915 | 244  | 1806560  | 81.082  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 106502   | 28.642  | ng    | 96       |
| 3) Pyridine                   | 3.404  | 79   | 262800   | 29.185  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.363  | 42   | 147876   | 37.799  | ng    | 96       |
| 6) Aniline                    | 6.457  | 93   | 306194   | 25.831  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.581  | 128  | 426596   | 41.567  | ng    | 99       |
| 9) Benzaldehyde               | 6.345  | 77   | 117754   | 17.094  | ng    | 89       |
| 10) Phenol                    | 6.457  | 94   | 472042   | 37.821  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.534  | 93   | 382438   | 41.109  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.734  | 146  | 431196   | 37.360  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.810  | 146  | 442878   | 37.827  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 425385   | 38.637  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 331167   | 42.165  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069  | 45   | 439858   | 36.762  | ng    | 88       |
| 17) 2-Methylphenol            | 7.057  | 107  | 338064   | 40.773  | ng    | 93       |
| 18) Hexachloroethane          | 7.298  | 117  | 158414   | 38.754  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.210  | 70   | 269285   | 39.800  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 411259   | 39.961  | ng    | # 77     |
| 22) Acetophenone              | 7.204  | 105  | 573708   | 38.602  | ng    | 98       |
| 24) Nitrobenzene              | 7.375  | 77   | 401360   | 35.837  | ng    | 98       |
| 25) Isophorone                | 7.616  | 82   | 759686   | 37.981  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 229641   | 41.708  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.733  | 122  | 345216   | 50.849  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 476561   | 38.774  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.933  | 162  | 357305   | 39.872  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 393224   | 37.632  | ng    | 97       |
| 31) Naphthalene               | 8.092  | 128  | 1226775  | 36.962  | ng    | 99       |
| 32) Benzoic acid              | 7.886  | 122  | 258416   | 38.370  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 269738   | 22.796  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 227059   | 36.665  | ng    | 100      |
| 35) Caprolactam               | 8.533  | 113  | 112406m  | 40.732  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 373049   | 39.207  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 793668   | 37.588  | ng    | 92       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 747103   | 36.058  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 386982   | 39.843  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.933  | 237  | 325681   | 90.509  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 256671   | 40.585  | ng    | 99       |

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Instrument :  
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Manual Integrations  
 APPROVED

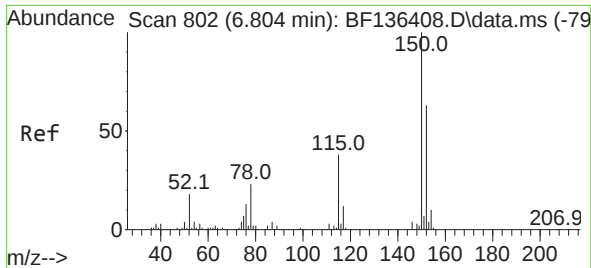
Reviewed By :Yogesh Patel 12/19/2023  
 Supervised By :mohammad ahmed 12/19/2023

Quant Time: Dec 18 14:49:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
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 QLast Update : Fri Dec 15 00:33:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 275438   | 39.022 | ng    | # 93     |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 1005807  | 37.863 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 776133   | 37.539 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 217199   | 39.168 | ng    | 96       |
| 49) Acenaphthylene            | 9.692  | 152  | 1156780  | 39.275 | ng    | 99       |
| 50) Dimethylphthalate         | 9.557  | 163  | 934751   | 40.669 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 204720   | 39.591 | ng    | 100      |
| 52) Acenaphthene              | 9.863  | 154  | 723198   | 38.318 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.792  | 138  | 170338   | 32.259 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 225009   | 86.065 | ng    | 93       |
| 55) Dibenzofuran              | 10.039 | 168  | 1048112  | 38.013 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.974  | 139  | 306481   | 77.425 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 10.027 | 165  | 262550   | 38.382 | ng    | 91       |
| 58) Fluorene                  | 10.380 | 166  | 852029   | 38.496 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 230459   | 40.761 | ng    | 99       |
| 60) Diethylphthalate          | 10.263 | 149  | 887019   | 39.246 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.374 | 204  | 421510   | 39.066 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 193864   | 36.975 | ng    | 97       |
| 63) Azobenzene                | 10.533 | 77   | 780881   | 37.958 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 154715   | 43.187 | ng    | 80       |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 757646   | 40.818 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 271347   | 40.346 | ng    | # 92     |
| 68) Hexachlorobenzene         | 10.927 | 284  | 306454   | 39.425 | ng    | 98       |
| 69) Atrazine                  | 11.027 | 200  | 211884   | 39.995 | ng    | 98       |
| 70) Pentachlorophenol         | 11.127 | 266  | 273907   | 62.436 | ng    | 98       |
| 71) Phenanthrene              | 11.351 | 178  | 1247970  | 39.251 | ng    | 99       |
| 72) Anthracene                | 11.398 | 178  | 1270290  | 39.667 | ng    | 99       |
| 73) Carbazole                 | 11.557 | 167  | 1078699  | 38.058 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 1414752  | 40.716 | ng    | 99       |
| 75) Fluoranthene              | 12.539 | 202  | 1244896  | 37.363 | ng    | 98       |
| 77) Benzidine                 | 12.663 | 184  | 73327    | 16.877 | ng    | 99       |
| 78) Pyrene                    | 12.768 | 202  | 1197571  | 41.639 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 466035   | 45.519 | ng    | 94       |
| 81) Benzo(a)anthracene        | 13.962 | 228  | 828855   | 40.519 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 246869   | 43.043 | ng    | 99       |
| 83) Chrysene                  | 14.004 | 228  | 797427   | 39.622 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 585895   | 46.680 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 887268   | 47.859 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.980 | 276  | 920038   | 51.576 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 791778   | 45.100 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 667073   | 40.319 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 656312   | 45.267 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 769144   | 52.631 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 765900   | 51.061 | ng    | 100      |

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





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.786 min Scan# 79  
Delta R.T. -0.001 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

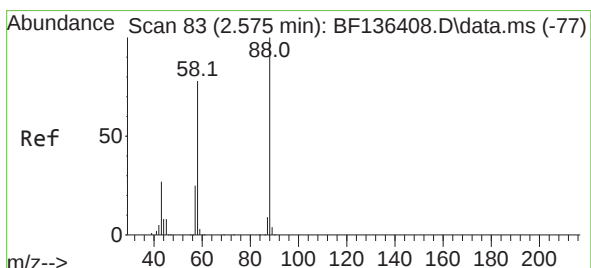
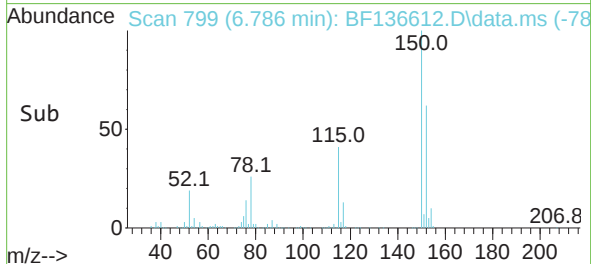
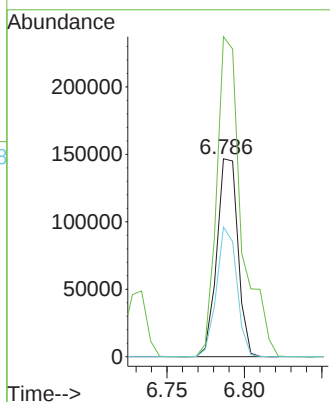
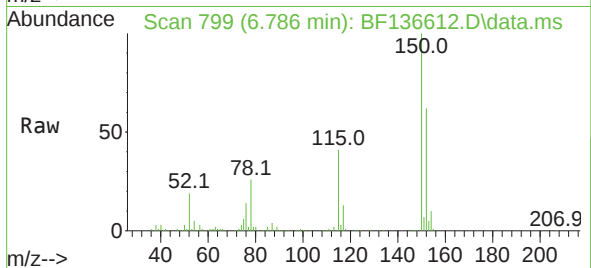
ClientSampleId :

PB157801BS

Tgt Ion:152 Resp: 13883  
Ion Ratio Lower Upper  
152 100  
150 161.7 126.4 189.6  
115 65.5 48.2 72.4

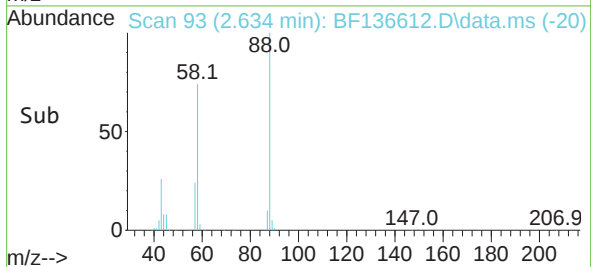
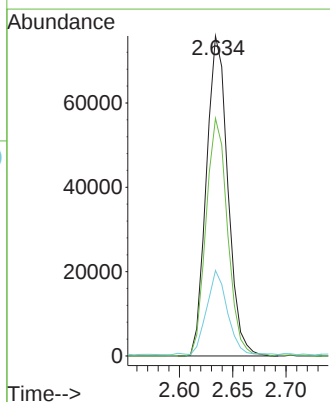
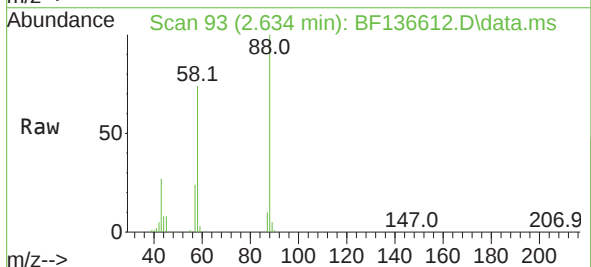
Manual Integrations  
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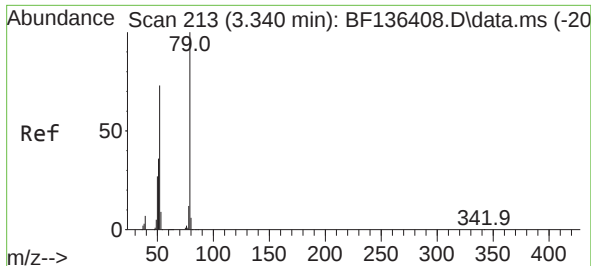
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#2  
1,4-Dioxane  
Concen: 28.642 ng  
RT: 2.634 min Scan# 93  
Delta R.T. 0.082 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion: 88 Resp: 106502  
Ion Ratio Lower Upper  
88 100  
58 74.4 62.2 93.2  
43 25.4 21.5 32.3





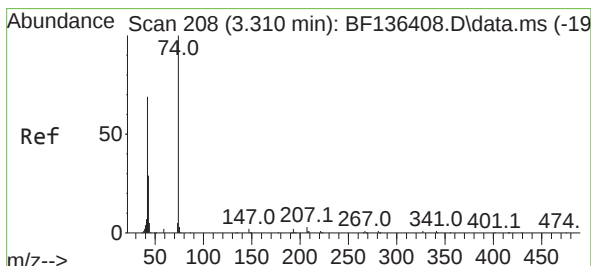
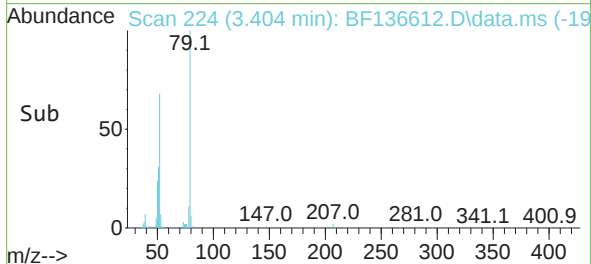
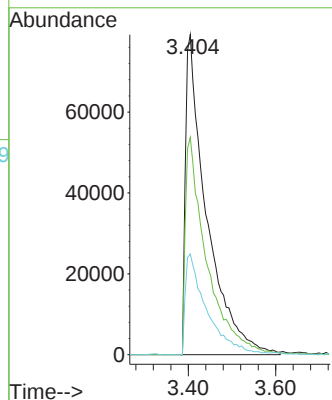
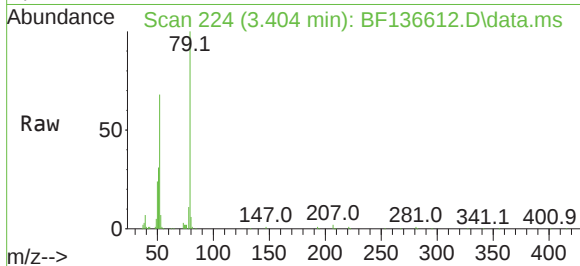
#3  
Pyridine  
Concen: 29.185 ng  
RT: 3.404 min Scan# 213  
Delta R.T. 0.094 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS

Tgt Ion: 79 Resp: 262800  
Ion Ratio Lower Upper  
79 100  
52 67.9 58.2 87.2  
51 31.5 29.1 43.7

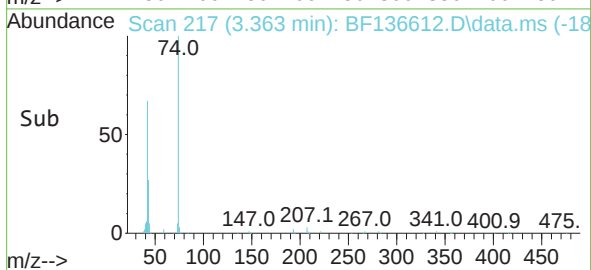
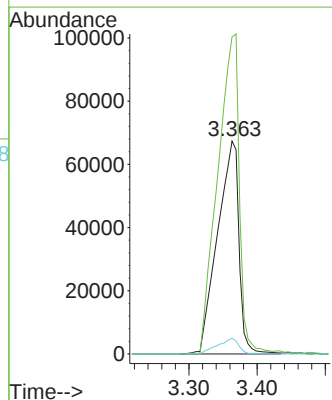
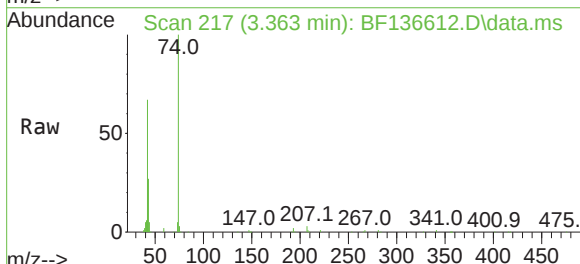
Manual Integrations  
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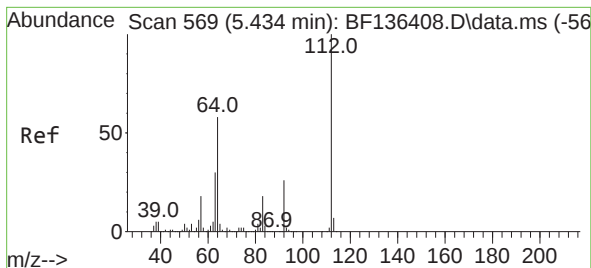
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#4  
n-Nitrosodimethylamine  
Concen: 37.799 ng  
RT: 3.363 min Scan# 217  
Delta R.T. 0.076 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

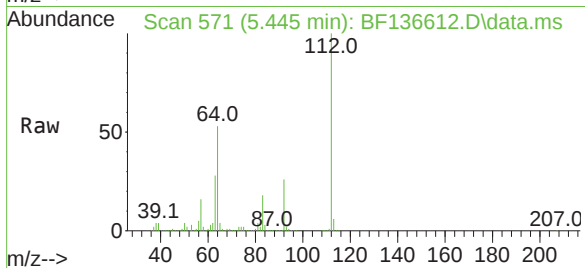
Tgt Ion: 42 Resp: 147876  
Ion Ratio Lower Upper  
42 100  
74 149.0 115.4 173.0  
44 7.4 6.2 9.2





#5  
2-Fluorophenol  
Concen: 113.583 ng  
RT: 5.445 min Scan# 51  
Delta R.T. 0.023 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

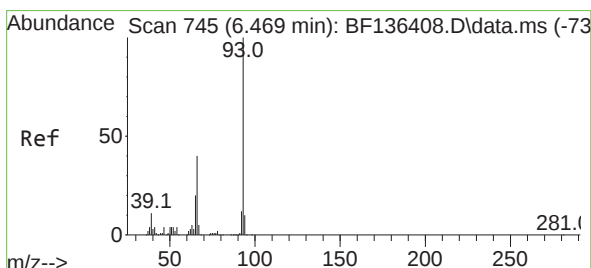
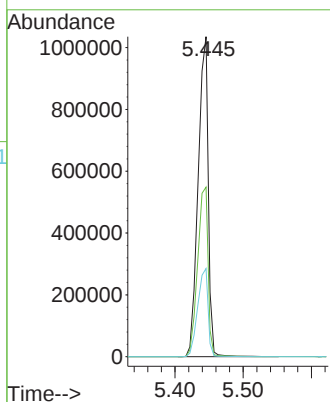
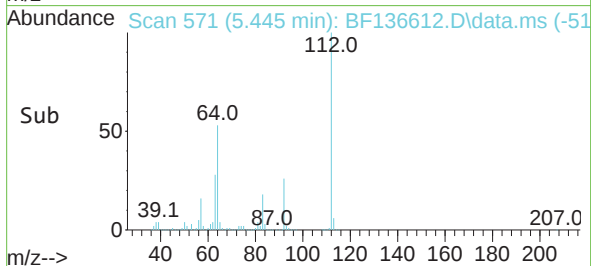
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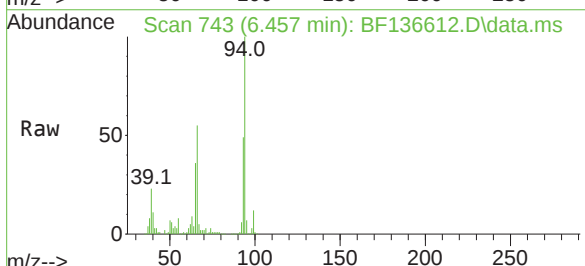
Tgt Ion:112 Resp: 106778  
Ion Ratio Lower Upper  
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63 27.5 23.9 35.9

Manual Integrations  
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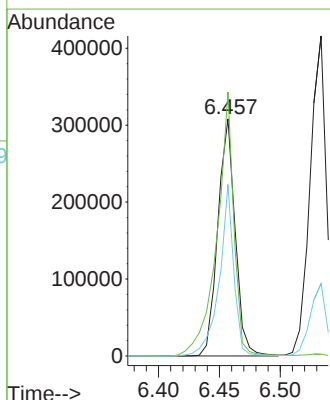
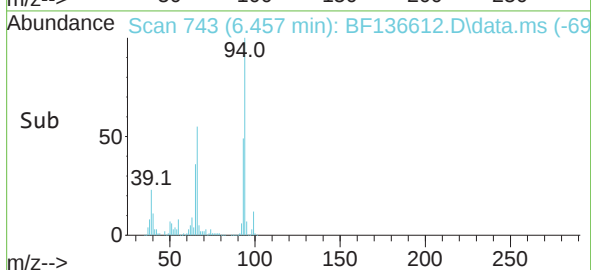
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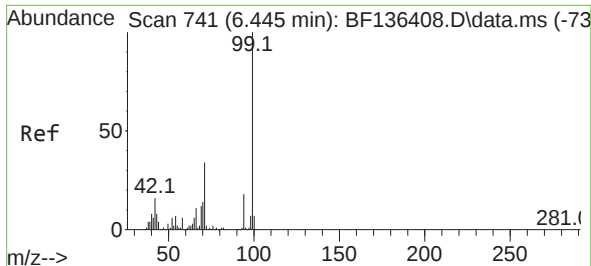


#6  
Aniline  
Concen: 25.831 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



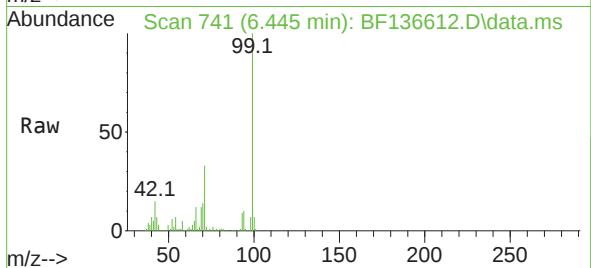
Tgt Ion: 93 Resp: 306194  
Ion Ratio Lower Upper  
93 100  
66 111.3 32.5 48.7#  
65 72.3 16.4 24.6#





#7  
Phenol-d6  
Concen: 110.751 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

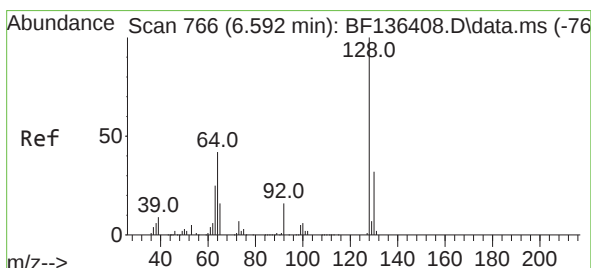
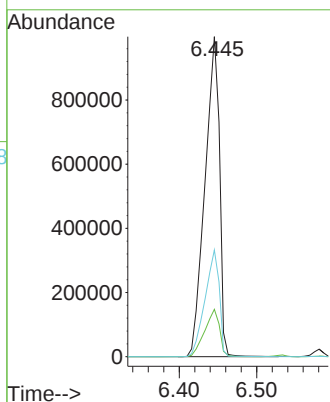
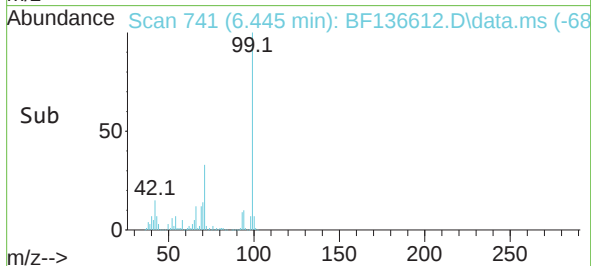
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



Tgt Ion: 99 Resp: 1299000  
Ion Ratio Lower Upper  
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71 33.3 27.0 40.4

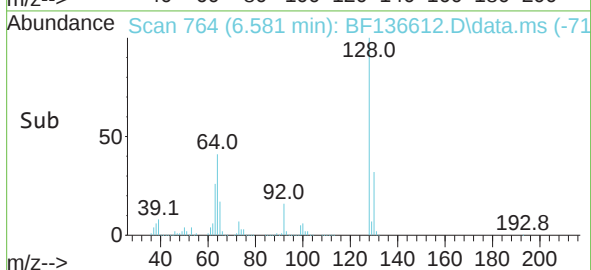
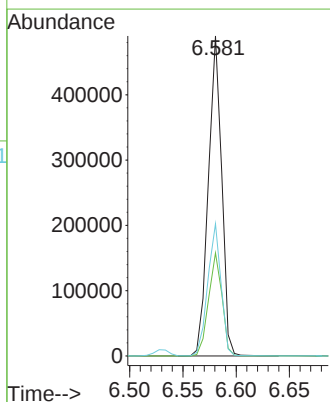
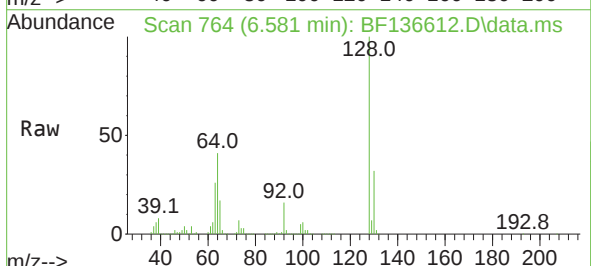
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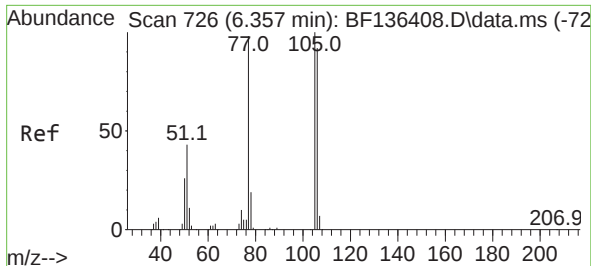
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Supervised By :mohammad ahmed 12/19/2023



#8  
2-Chlorophenol  
Concen: 41.567 ng  
RT: 6.581 min Scan# 764  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:128 Resp: 426596  
Ion Ratio Lower Upper  
128 100  
130 32.2 11.7 51.7  
64 41.3 22.5 62.5





#9

Benzaldehyde

Concen: 17.094 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.000 min BNA\_F

Lab File: BF136612.D

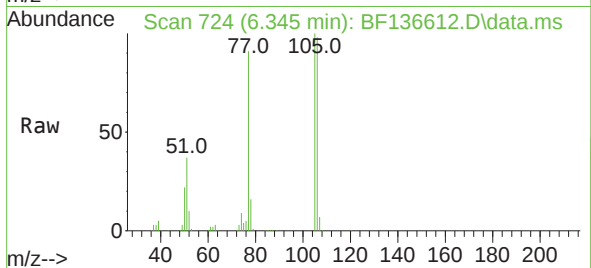
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



Tgt Ion: 77 Resp: 117754

Ion Ratio Lower Upper

77 100

105 110.3 82.5 122.5

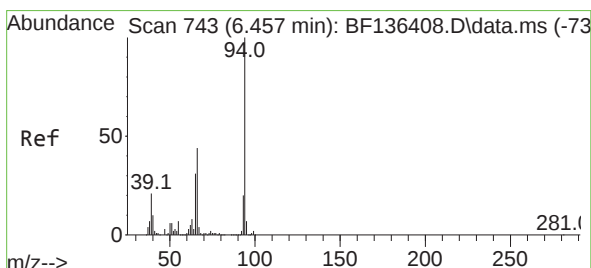
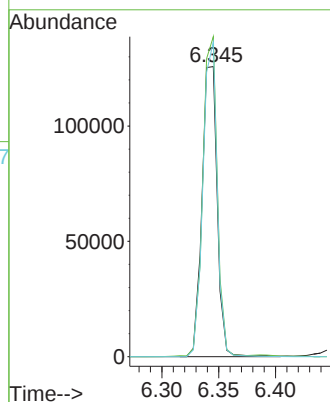
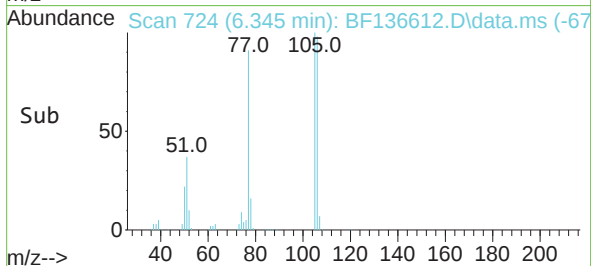
106 108.5 74.5 114.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#10

Phenol

Concen: 37.821 ng

RT: 6.457 min Scan# 743

Delta R.T. 0.012 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

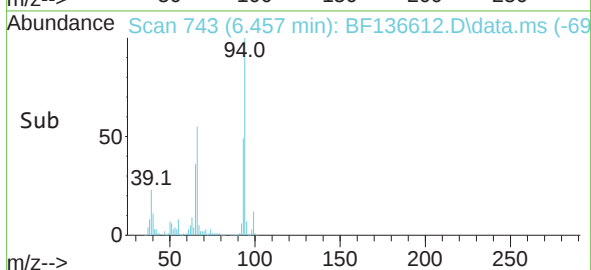
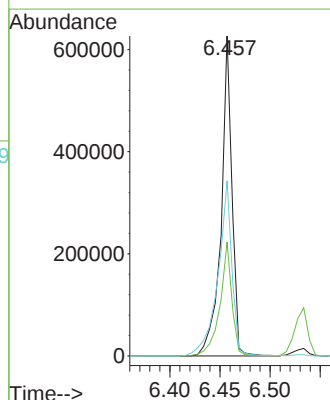
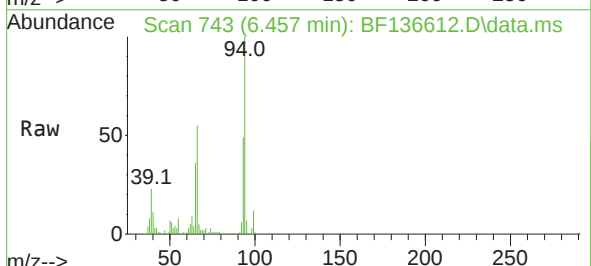
Tgt Ion: 94 Resp: 472042

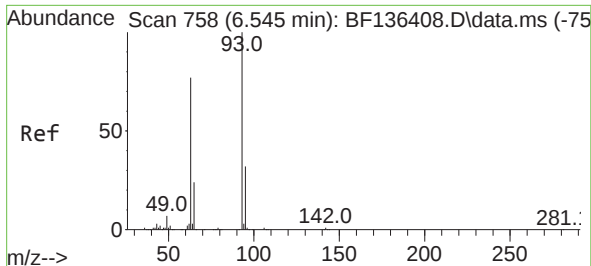
Ion Ratio Lower Upper

94 100

65 35.6 11.2 51.2

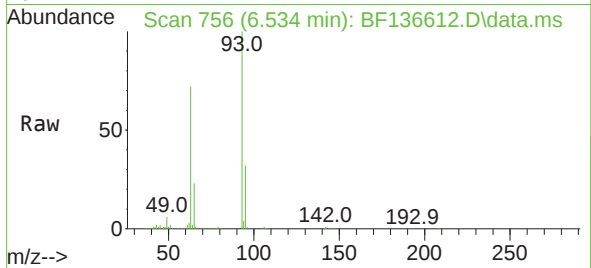
66 54.7 24.2 64.2





#11  
bis(2-Chloroethyl)ether  
Concen: 41.109 ng  
RT: 6.534 min Scan# 758  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

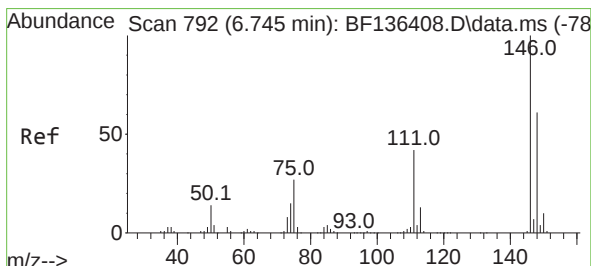
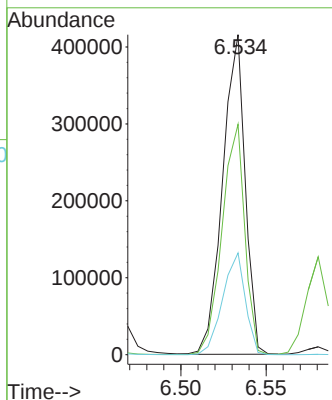
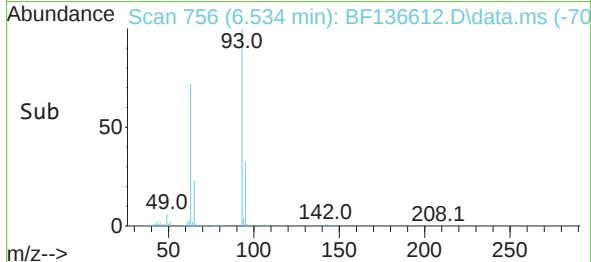
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



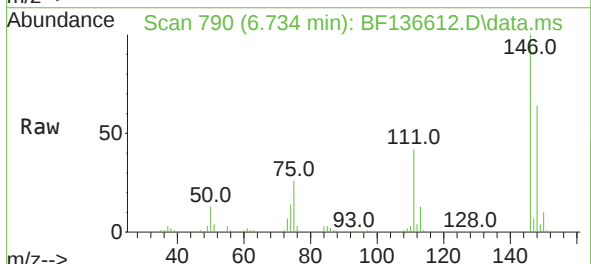
Tgt Ion: 93 Resp: 382438  
Ion Ratio Lower Upper  
93 100  
63 72.0 56.8 96.8  
95 31.8 11.8 51.8

Manual Integrations  
APPROVED

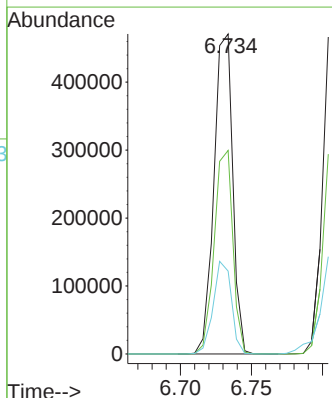
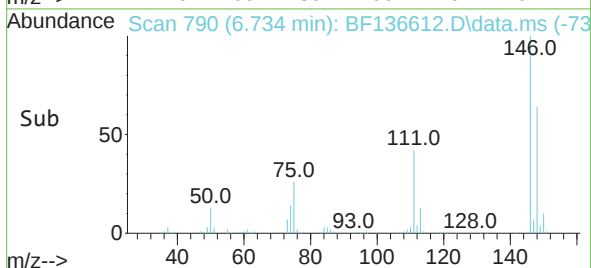
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

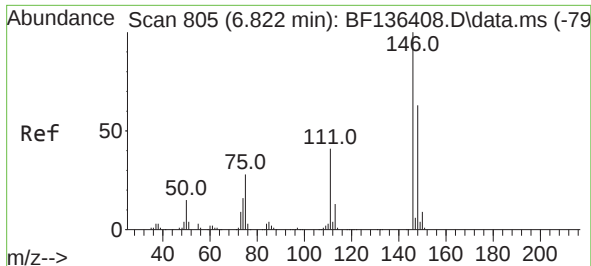


#12  
1,3-Dichlorobenzene  
Concen: 37.360 ng  
RT: 6.734 min Scan# 790  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:146 Resp: 431196  
Ion Ratio Lower Upper  
146 100  
148 63.6 49.0 73.6  
75 25.9 21.8 32.6





#13  
1,4-Dichlorobenzene  
Concen: 37.827 ng  
RT: 6.810 min Scan# 805  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

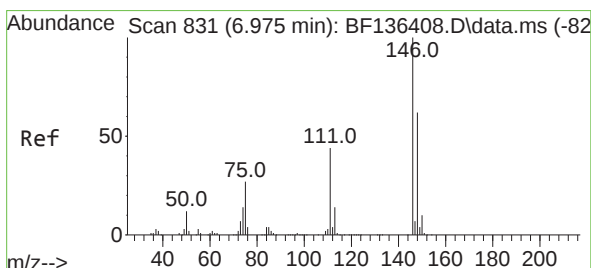
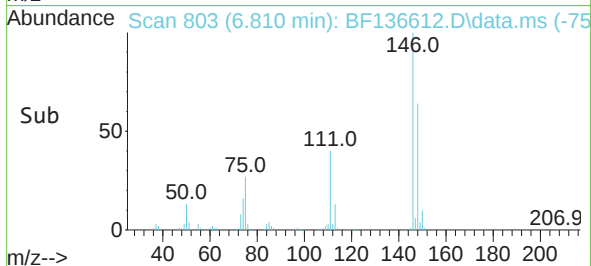
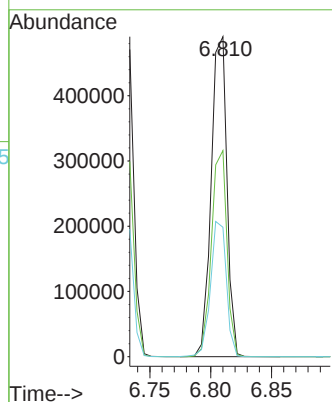
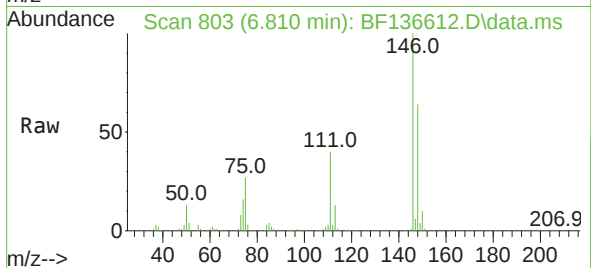
ClientSampleId :

PB157801BS

Tgt Ion:146 Resp: 442878  
Ion Ratio Lower Upper  
146 100  
148 64.4 50.3 75.5  
111 40.4 32.6 49.0

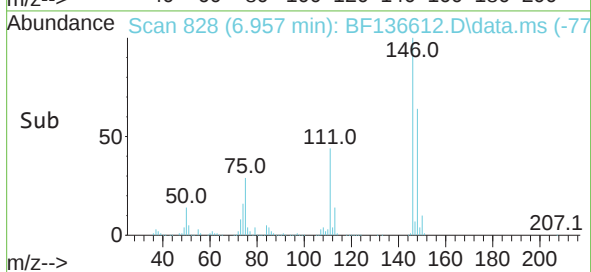
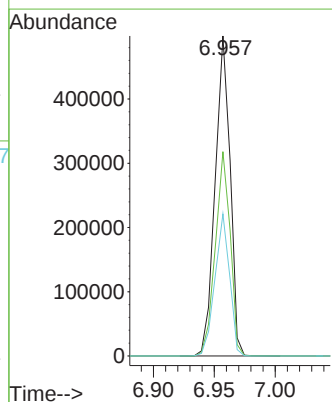
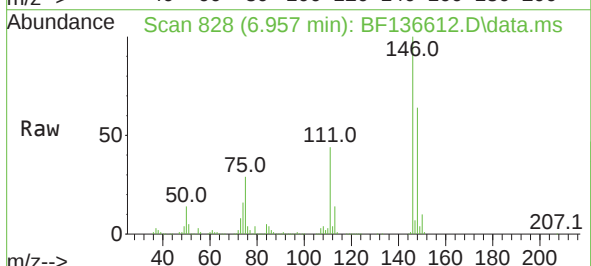
Manual Integrations  
APPROVED

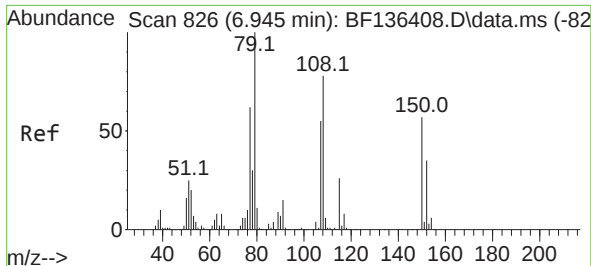
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#14  
1,2-Dichlorobenzene  
Concen: 38.637 ng  
RT: 6.957 min Scan# 828  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

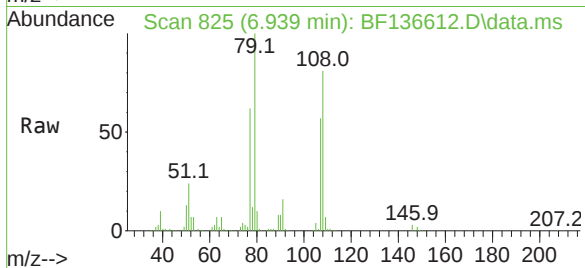
Tgt Ion:146 Resp: 425385  
Ion Ratio Lower Upper  
146 100  
148 63.9 49.8 74.6  
111 44.4 34.9 52.3





#15  
Benzyl Alcohol  
Concen: 42.165 ng  
RT: 6.939 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

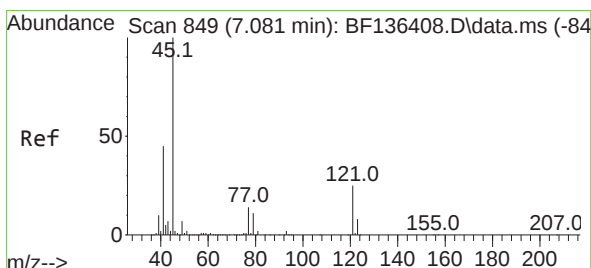
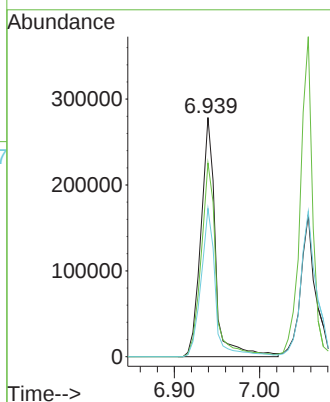
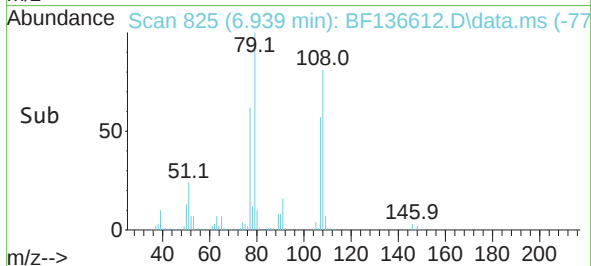
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



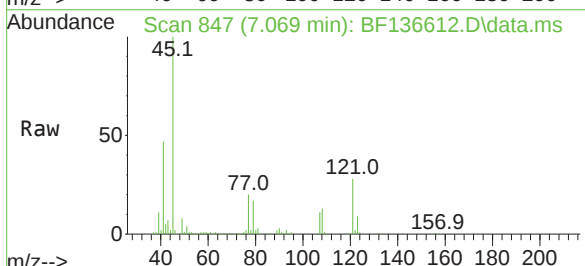
Tgt Ion: 79 Resp: 33116  
Ion Ratio Lower Upper  
79 100  
108 81.0 62.3 93.5  
77 62.0 49.8 74.8

Manual Integrations  
APPROVED

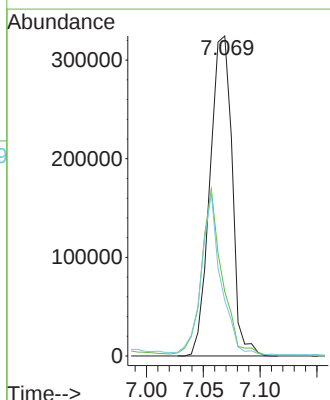
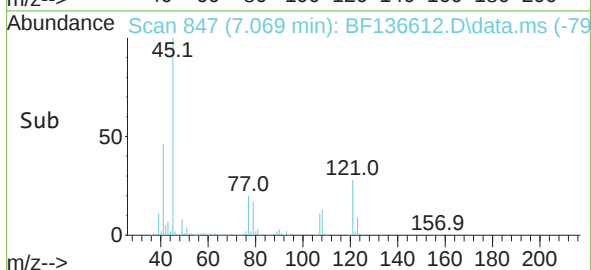
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

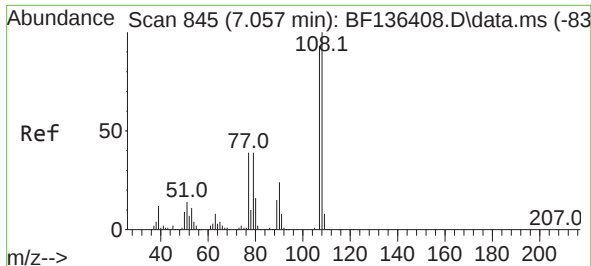


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.762 ng  
RT: 7.069 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



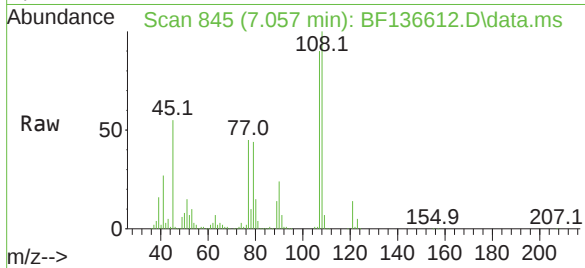
Tgt Ion: 45 Resp: 439858  
Ion Ratio Lower Upper  
45 100  
77 20.1 0.0 35.3  
79 17.3 0.0 32.5





#17  
2-Methylphenol  
Concen: 40.773 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

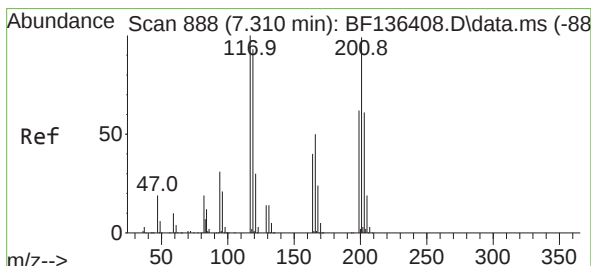
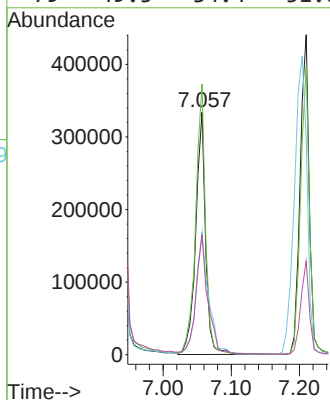
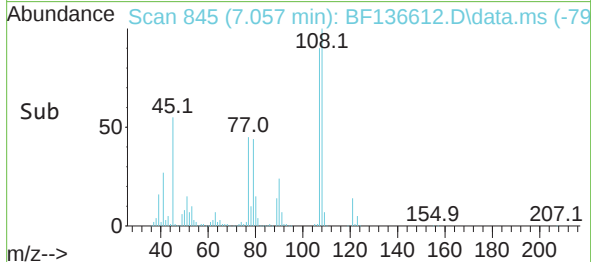
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 111.6 | 86.5  | 129.7 |
| 77      | 50.7  | 33.8  | 50.8  |
| 79      | 49.5  | 34.4  | 51.6  |

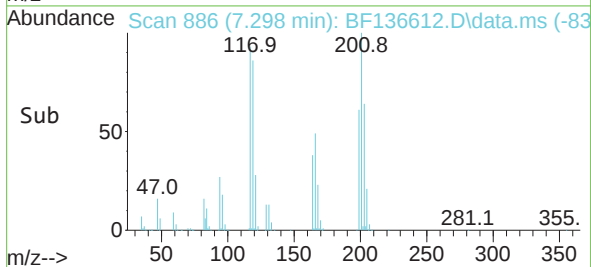
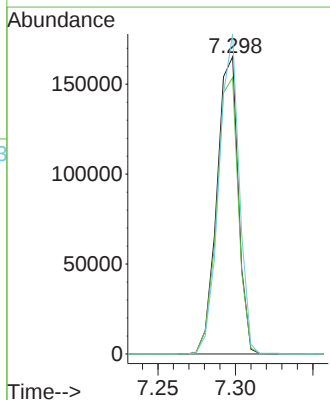
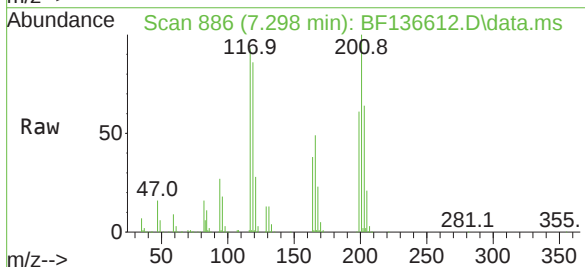
Manual Integrations  
APPROVED

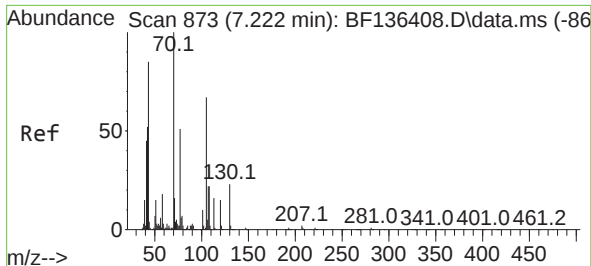
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#18  
Hexachloroethane  
Concen: 38.754 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

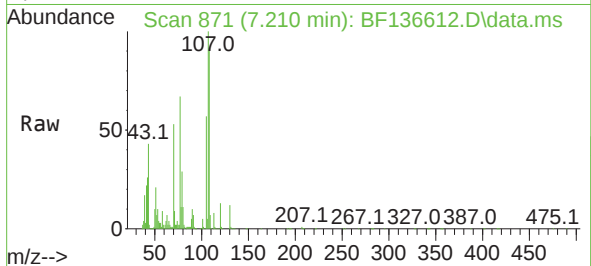
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.0  | 74.3  | 111.5 |
| 201     | 107.7 | 79.3  | 118.9 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 39.800 ng  
RT: 7.210 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

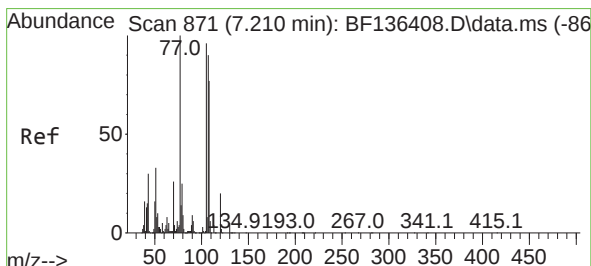
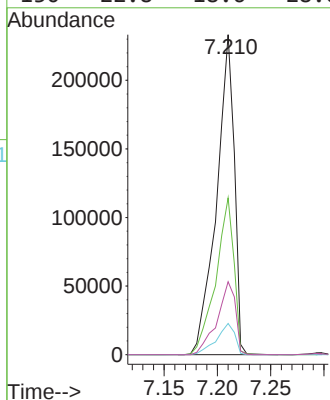
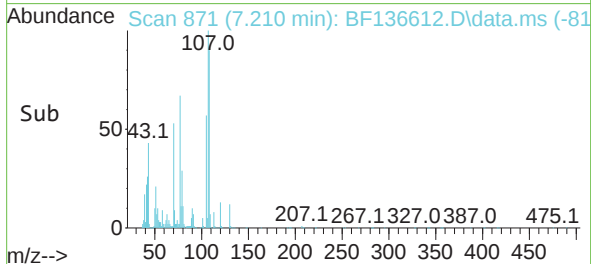
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



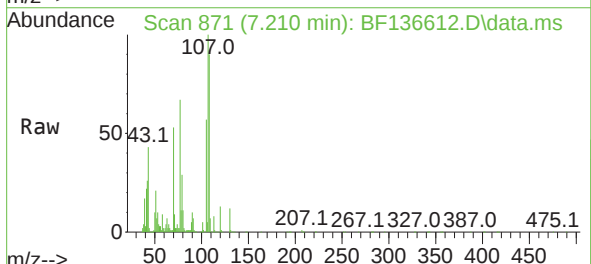
Tgt Ion: 70 Resp: 26928  
Ion Ratio Lower Upper  
70 100  
42 49.0 41.4 62.0  
101 9.7 8.2 12.4  
130 22.8 18.6 28.0

Manual Integrations  
APPROVED

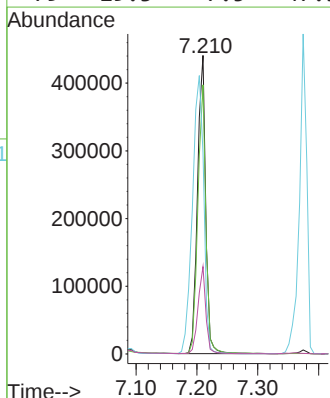
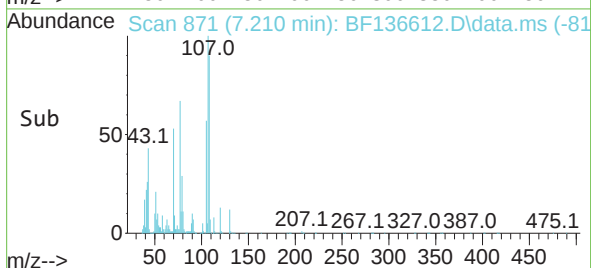
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

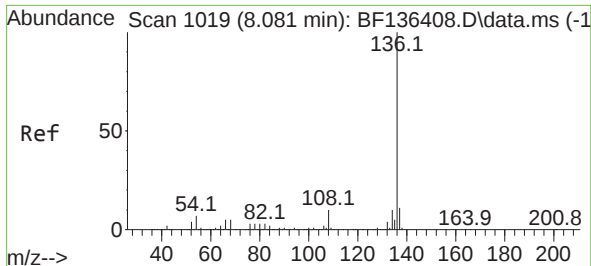


#20  
3+4-Methylphenols  
Concen: 39.961 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:107 Resp: 411259  
Ion Ratio Lower Upper  
107 100  
108 90.2 65.9 105.9  
77 67.4 91.7 131.7#  
79 29.3 7.5 47.5





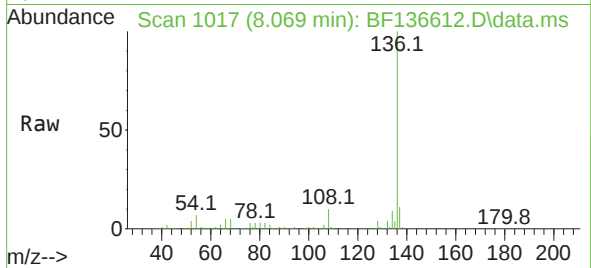
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

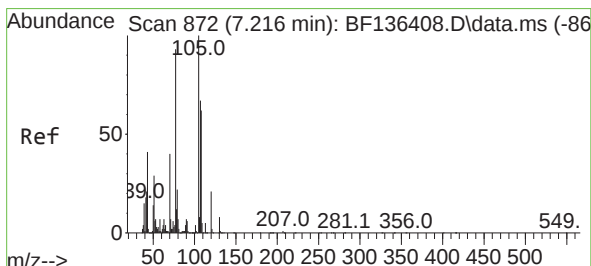
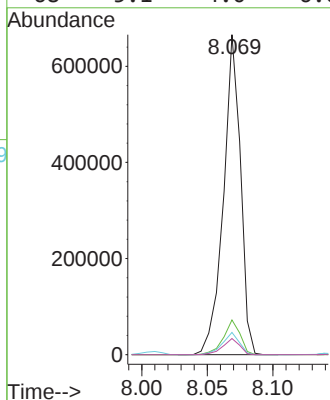
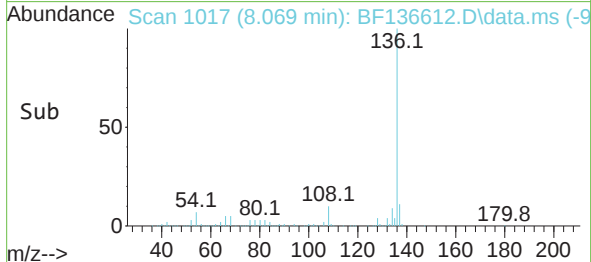


Tgt Ion:136 Resp: 60185  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 6.9 5.7 8.5  
68 5.1 4.0 6.0

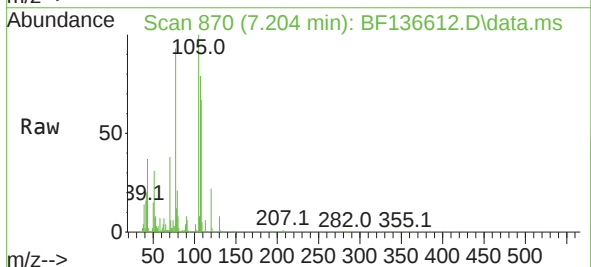
Manual Integrations

APPROVED

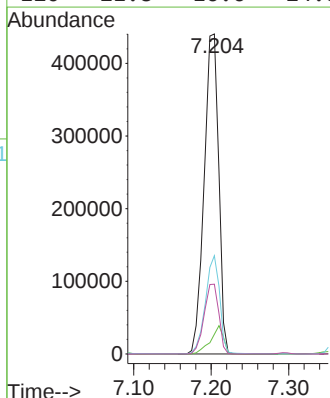
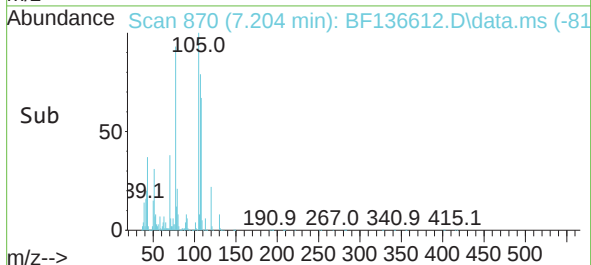
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

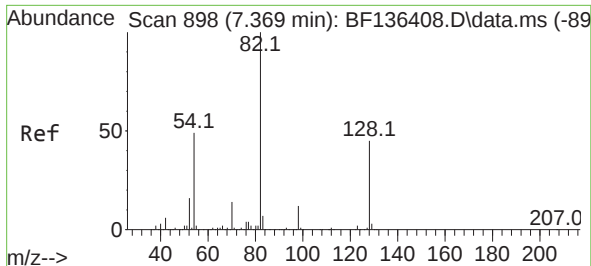


#22  
Acetophenone  
Concen: 38.602 ng  
RT: 7.204 min Scan# 870  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:105 Resp: 573708  
Ion Ratio Lower Upper  
105 100  
71 6.1 5.4 8.0  
51 30.7 23.4 35.2  
120 21.8 16.6 24.8





#23

Nitrobenzene-d5

Concen: 70.670 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.000 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

Tgt Ion: 82 Resp: 78677

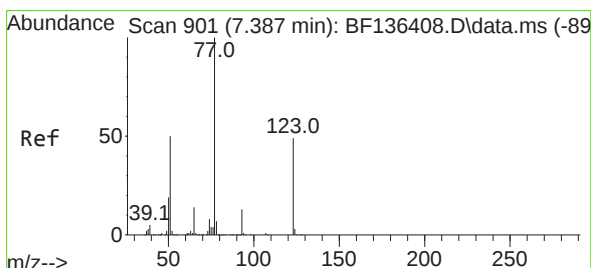
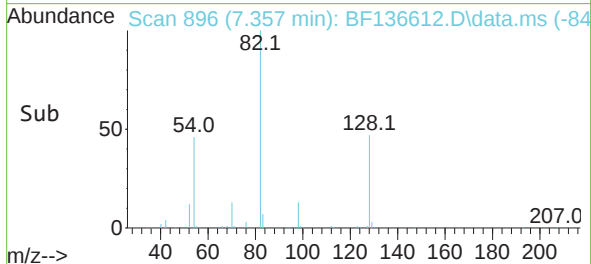
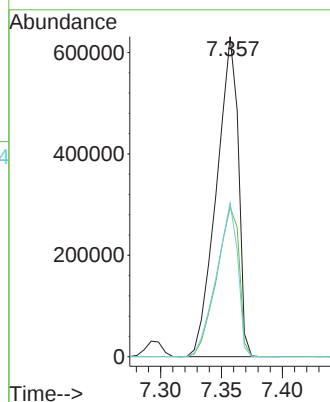
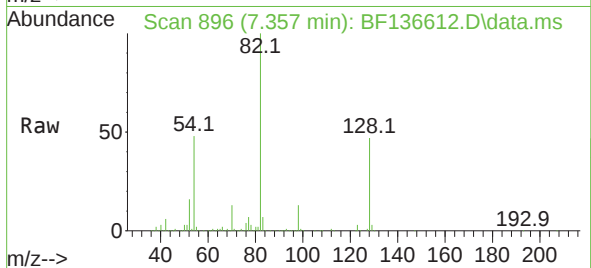
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.8  | 36.3  | 54.5  |
| 54  | 48.0  | 39.0  | 58.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#24

Nitrobenzene

Concen: 35.837 ng

RT: 7.375 min Scan# 899

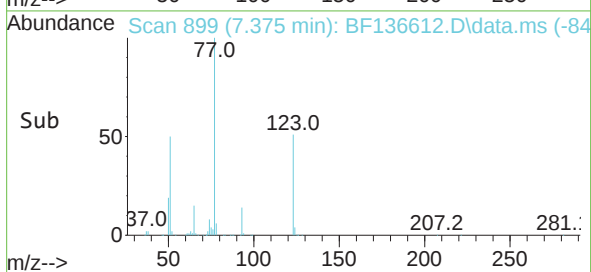
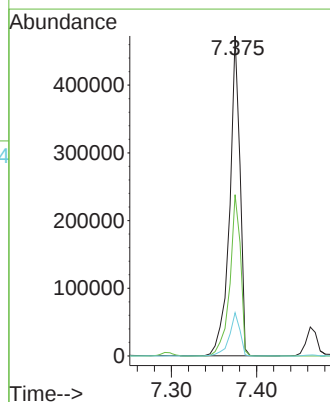
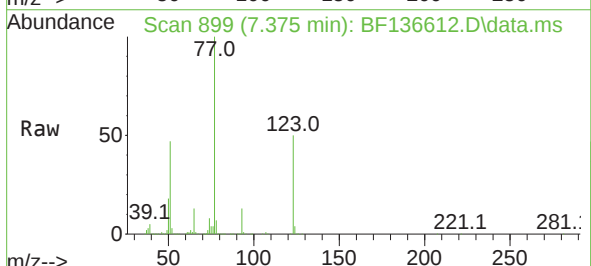
Delta R.T. -0.000 min

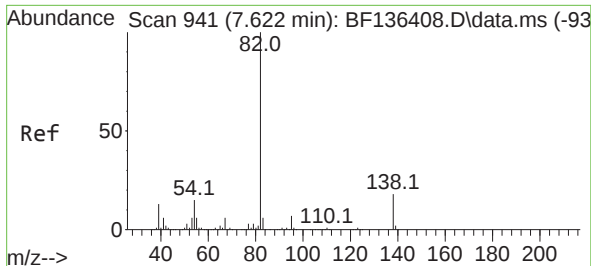
Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Tgt Ion: 77 Resp: 401360

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 50.4  | 39.0  | 58.6  |
| 65  | 13.5  | 11.3  | 16.9  |





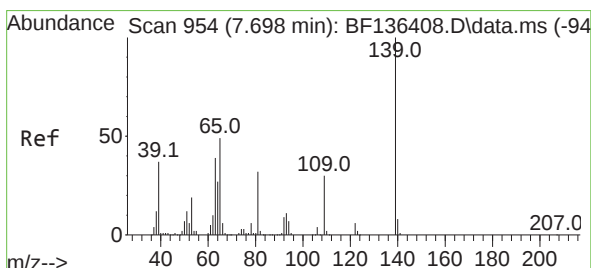
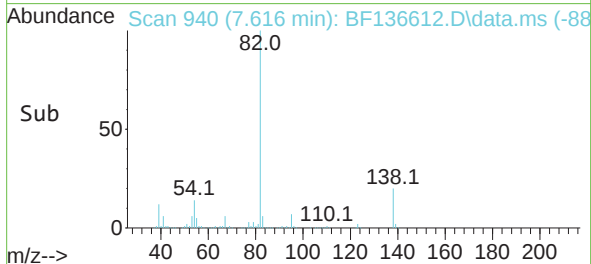
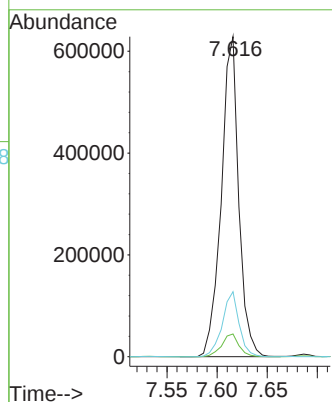
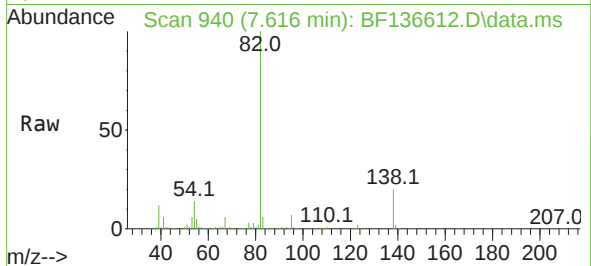
#25  
Isophorone  
Concen: 37.981 ng  
RT: 7.616 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS

Tgt Ion: 82 Resp: 759680  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.7 8.5  
138 20.3 14.5 21.7

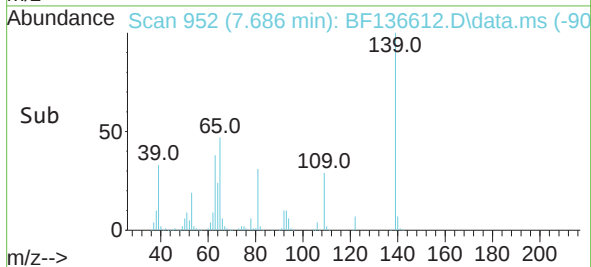
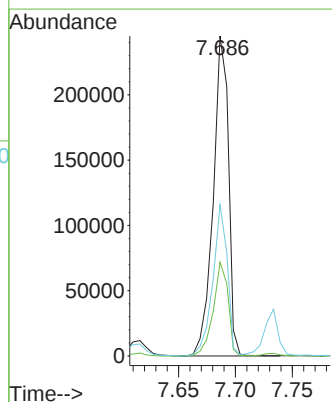
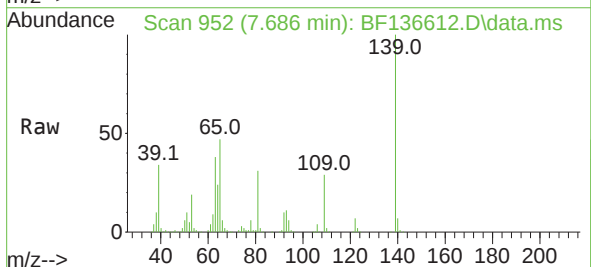
Manual Integrations  
APPROVED

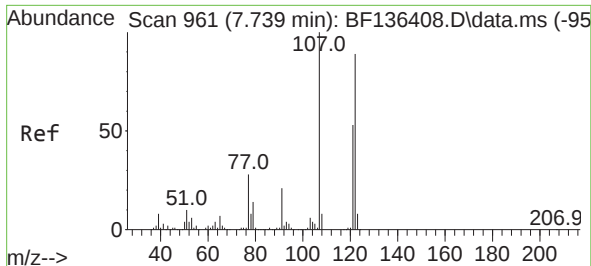
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#26  
2-Nitrophenol  
Concen: 41.708 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:139 Resp: 229641  
Ion Ratio Lower Upper  
139 100  
109 29.2 23.6 35.4  
65 47.3 39.4 59.2





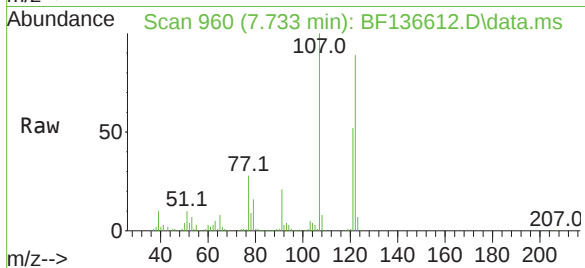
#27  
2,4-Dimethylphenol  
Concen: 50.849 ng  
RT: 7.733 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



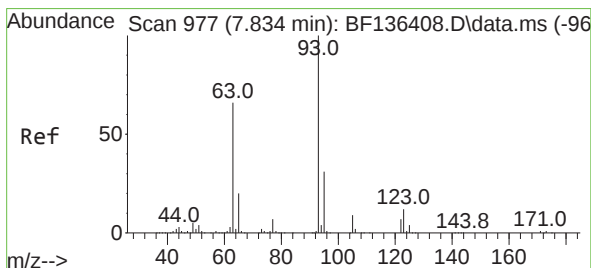
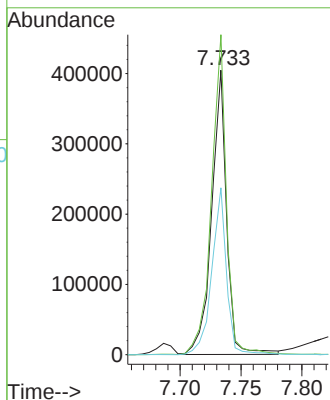
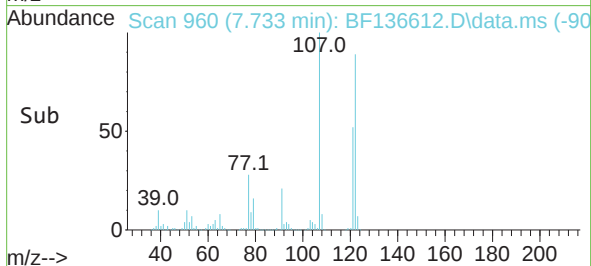
Tgt Ion:122 Resp: 345210  
Ion Ratio Lower Upper  
122 100  
107 112.5 89.3 133.9  
121 58.6 47.6 71.4

Manual Integrations

APPROVED

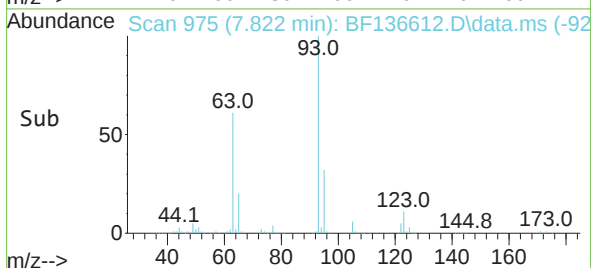
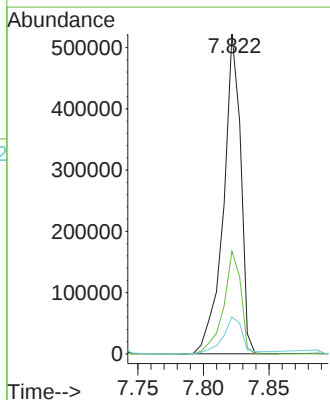
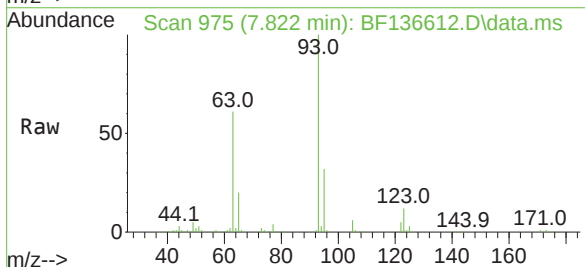
Reviewed By :Yogesh Patel 12/19/2023

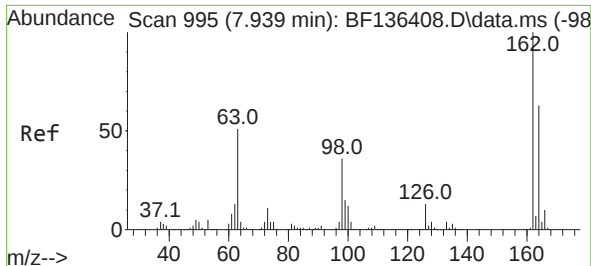
Supervised By :mohammad ahmed 12/19/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 38.774 ng  
RT: 7.822 min Scan# 975  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion: 93 Resp: 476561  
Ion Ratio Lower Upper  
93 100  
95 32.1 25.0 37.4  
123 11.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 39.872 ng

RT: 7.933 min Scan# 995

Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

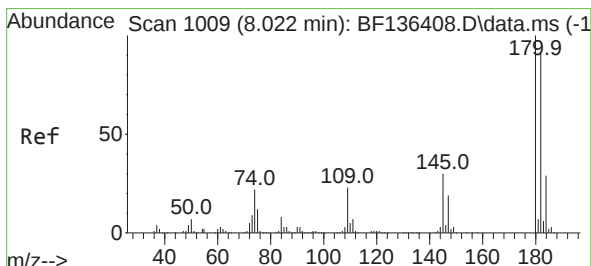
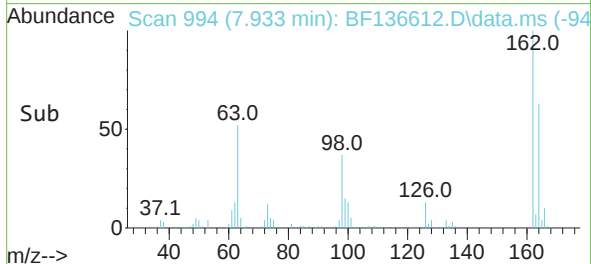
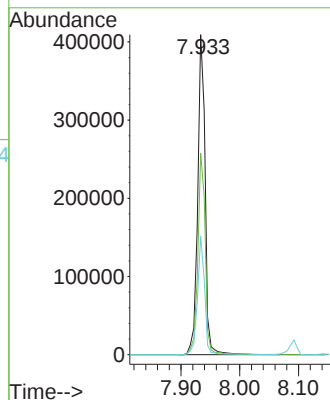
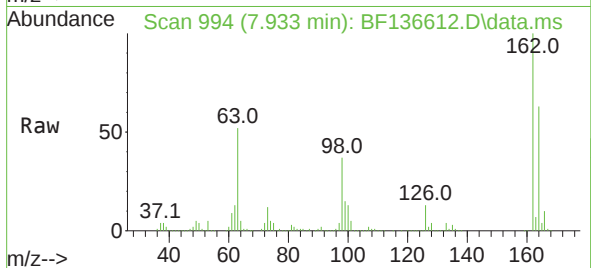
Tgt Ion:162 Resp: 357308  
 Ion Ratio Lower Upper  
 162 100  
 164 62.9 43.0 83.0  
 98 36.9 16.2 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#30

1,2,4-Trichlorobenzene

Concen: 37.632 ng

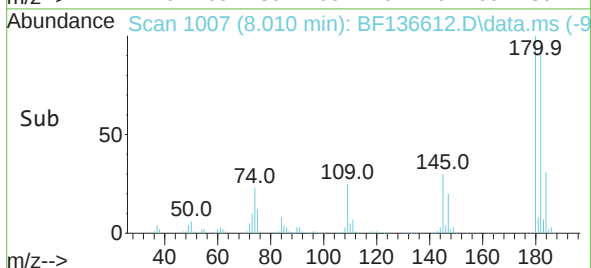
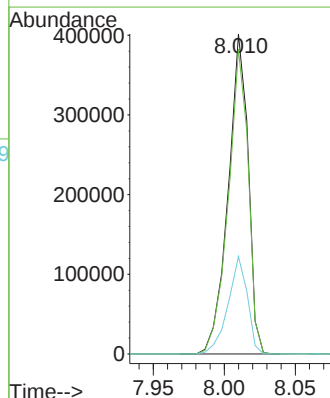
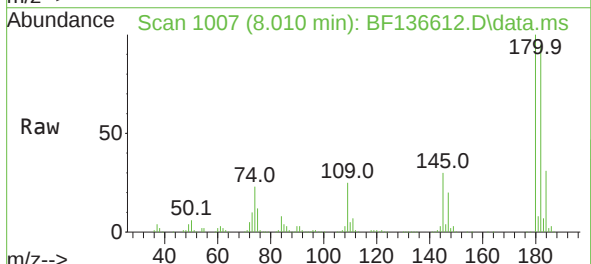
RT: 8.010 min Scan# 1007

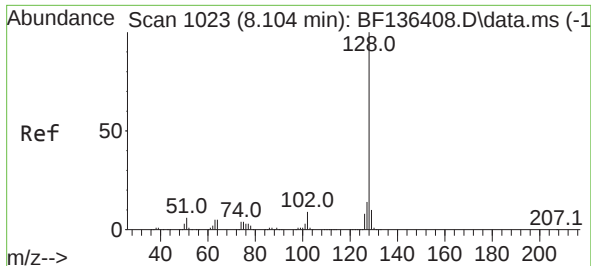
Delta R.T. -0.000 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Tgt Ion:180 Resp: 393224  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 73.1 109.7  
 145 30.4 23.8 35.8





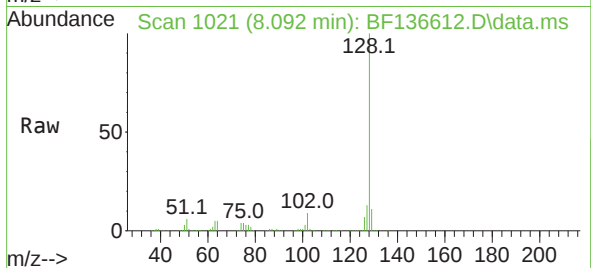
#31  
Naphthalene  
Concen: 36.962 ng  
RT: 8.092 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



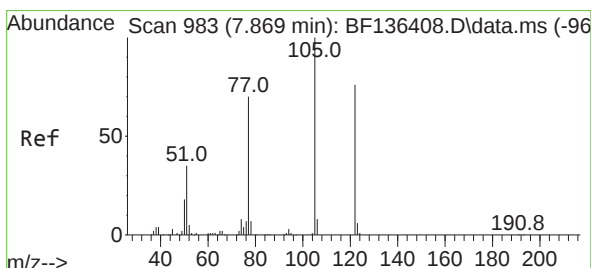
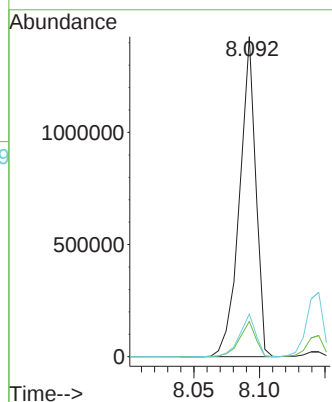
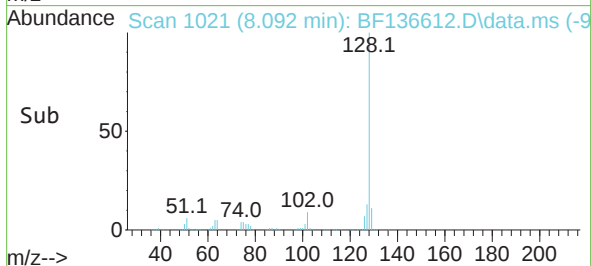
Tgt Ion:128 Resp: 122677  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.3 12.5  
127 13.4 11.1 16.7

Manual Integrations

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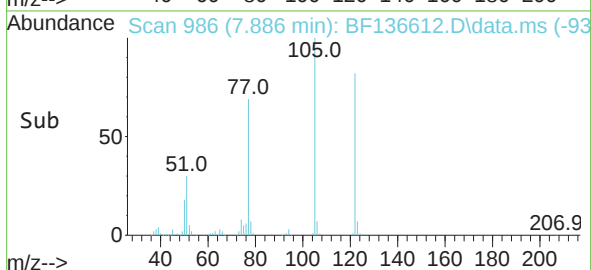
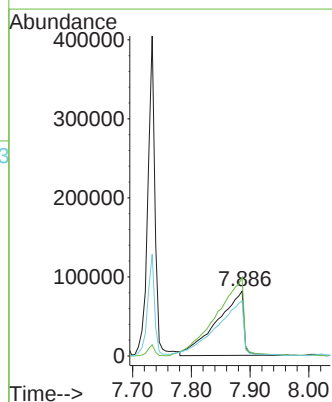
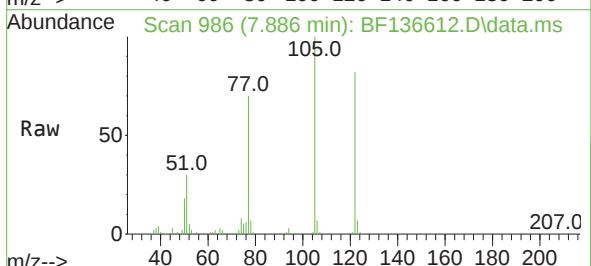
Reviewed By :Yogesh Patel 12/19/2023

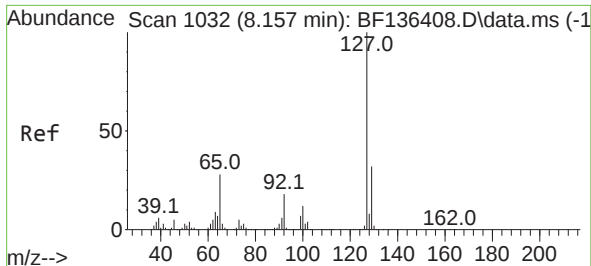
Supervised By :mohammad ahmed 12/19/2023



#32  
Benzoic acid  
Concen: 38.370 ng  
RT: 7.886 min Scan# 986  
Delta R.T. 0.029 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:122 Resp: 258416  
Ion Ratio Lower Upper  
122 100  
105 121.5 104.7 144.7  
77 85.0 68.5 108.5





#33  
4-Chloroaniline  
Concen: 22.796 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

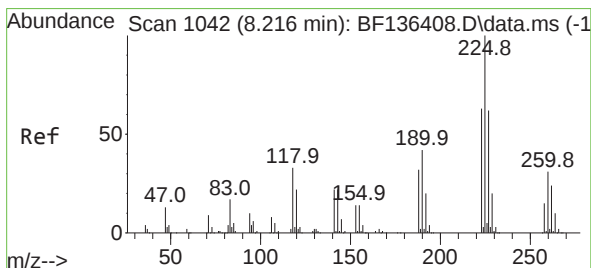
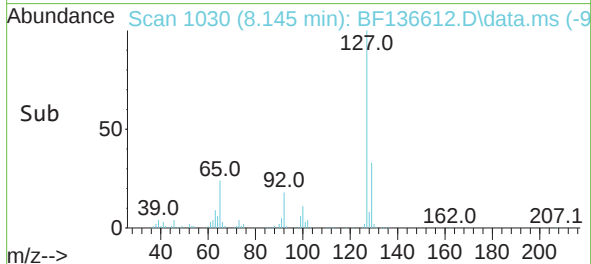
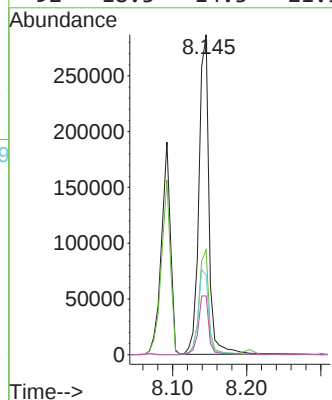
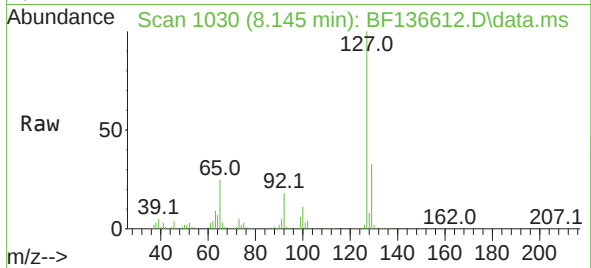
ClientSampleId :

PB157801BS

Tgt Ion:127 Resp: 269738  
Ion Ratio Lower Upper  
127 100  
129 32.8 25.4 38.2  
65 24.9 22.5 33.7  
92 18.3 14.3 21.5

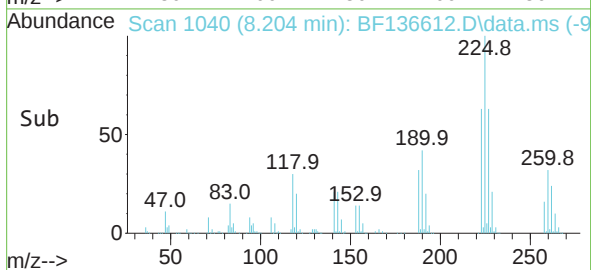
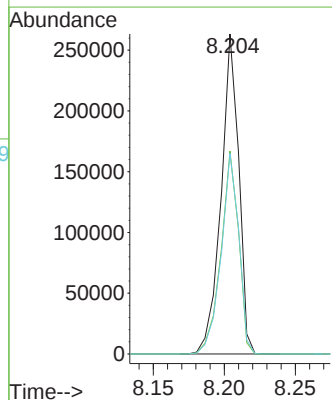
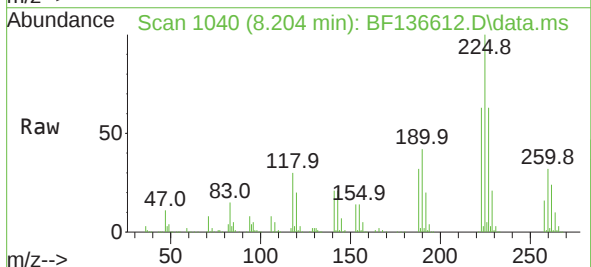
Manual Integrations  
APPROVED

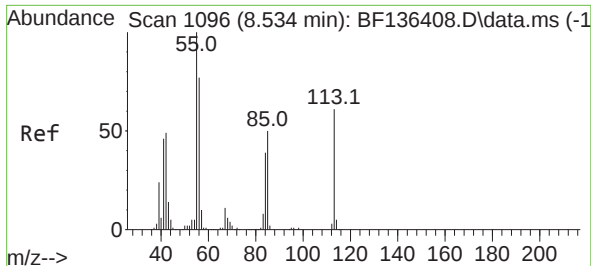
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#34  
Hexachlorobutadiene  
Concen: 36.665 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

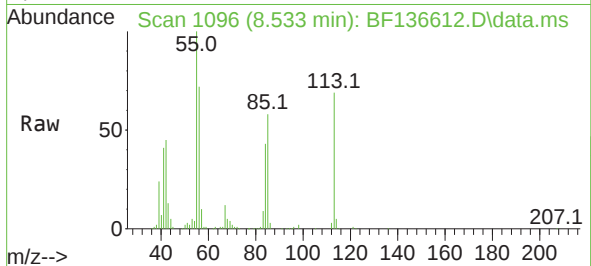
Tgt Ion:225 Resp: 227059  
Ion Ratio Lower Upper  
225 100  
223 63.4 50.8 76.2  
227 62.7 49.8 74.8





#35  
Caprolactam  
Concen: 40.732 ng m  
RT: 8.533 min Scan# 1096  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

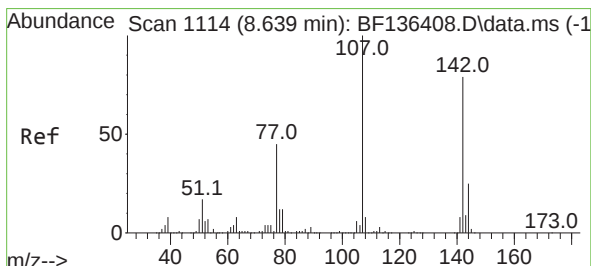
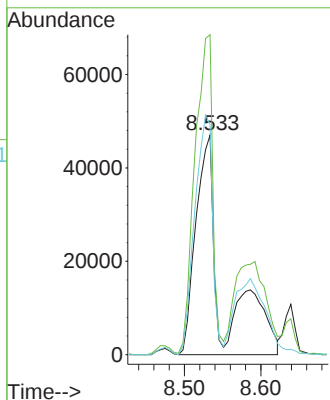
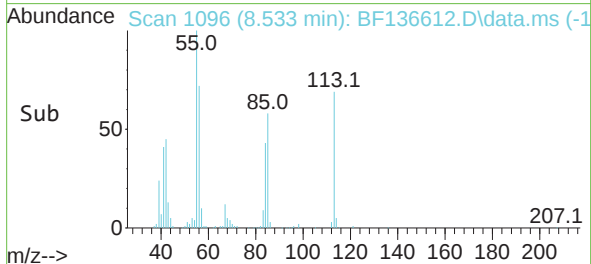
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



Tgt Ion:113 Resp: 112400  
Ion Ratio Lower Upper  
113 100  
55 145.8 143.7 183.7  
56 104.8 105.2 145.2

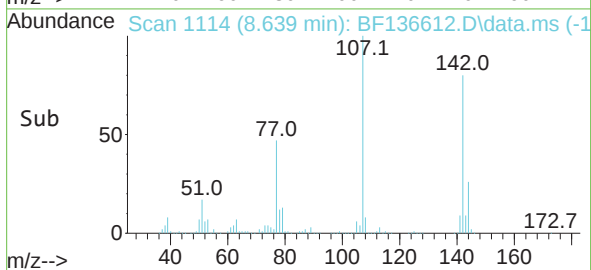
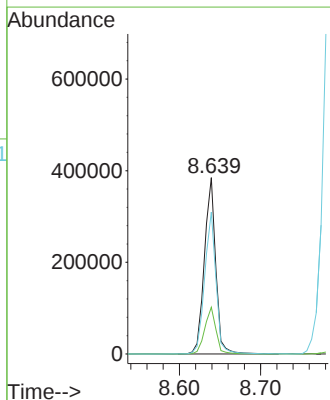
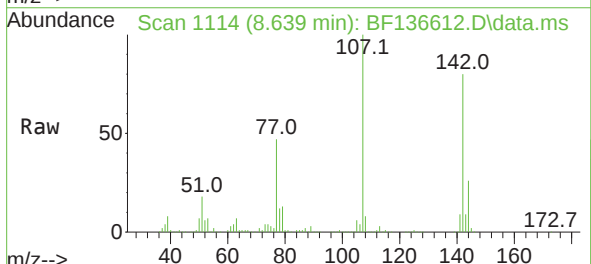
Manual Integrations  
APPROVED

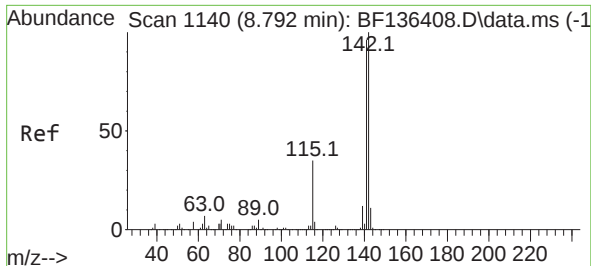
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#36  
4-Chloro-3-methylphenol  
Concen: 39.207 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:107 Resp: 373049  
Ion Ratio Lower Upper  
107 100  
144 26.5 20.1 30.1  
142 80.5 63.1 94.7





#37  
2-Methylnaphthalene  
Concen: 37.588 ng  
RT: 8.786 min Scan# 1139  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

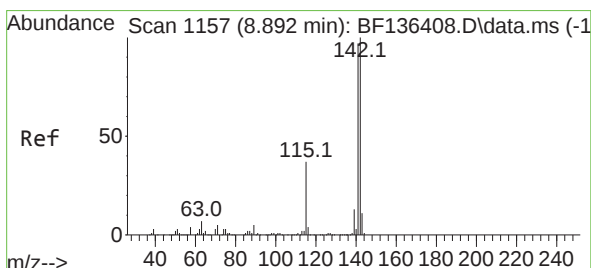
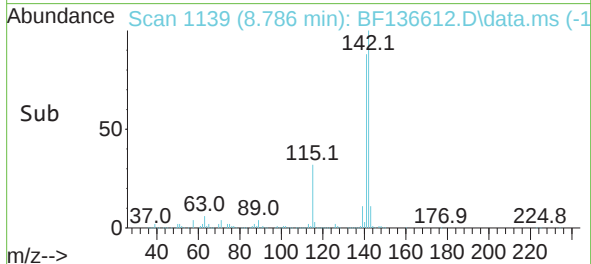
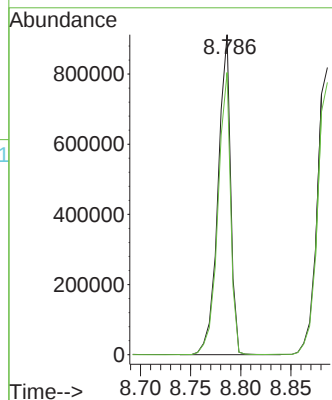
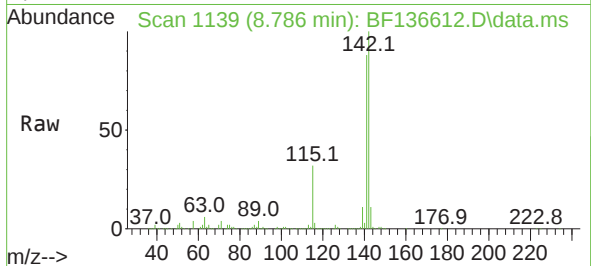
PB157801BS

Tgt Ion:142 Resp: 79366  
Ion Ratio Lower Upper  
142 100  
141 88.2 76.4 114.6

Manual Integrations

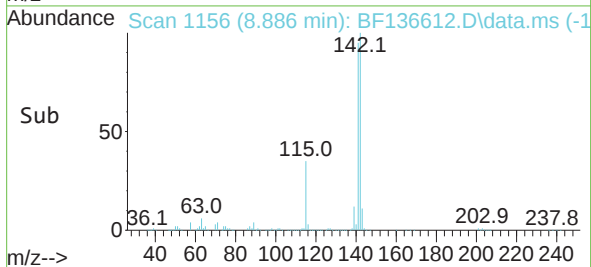
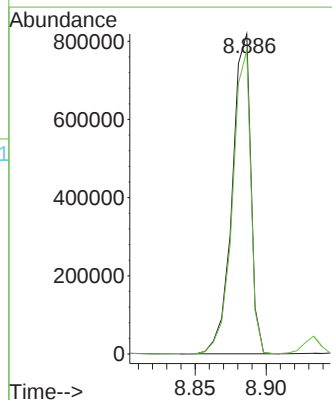
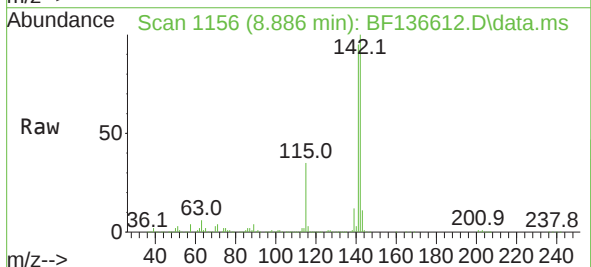
APPROVED

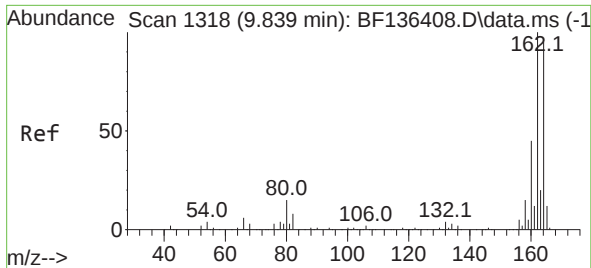
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#38  
1-Methylnaphthalene  
Concen: 36.058 ng  
RT: 8.886 min Scan# 1156  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:142 Resp: 747103  
Ion Ratio Lower Upper  
142 100  
141 94.8 77.7 116.5





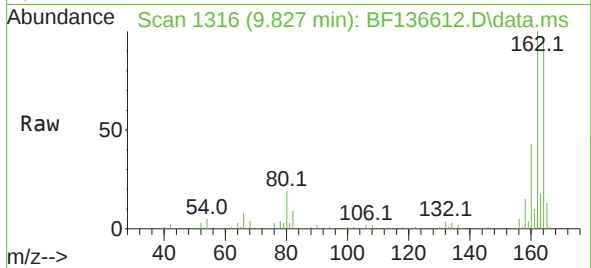
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



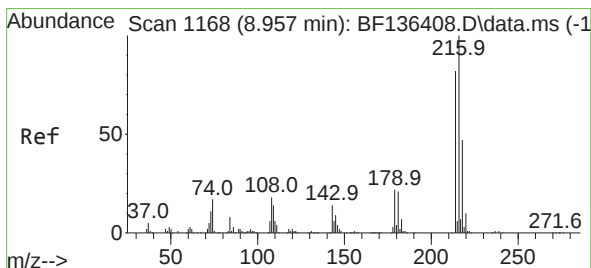
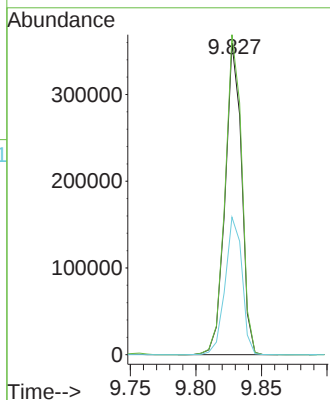
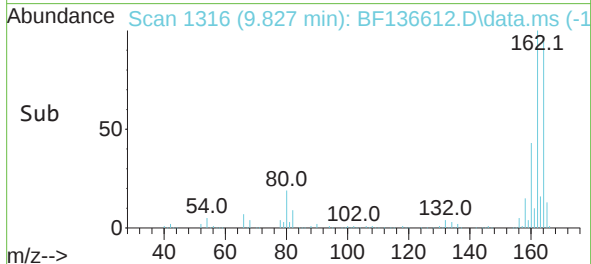
Tgt Ion:164 Resp: 312192  
Ion Ratio Lower Upper  
164 100  
162 102.7 84.4 126.6  
160 44.1 37.6 56.4

Manual Integrations

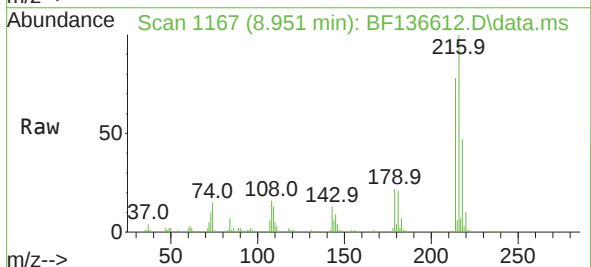
APPROVED

Reviewed By :Yogesh Patel 12/19/2023

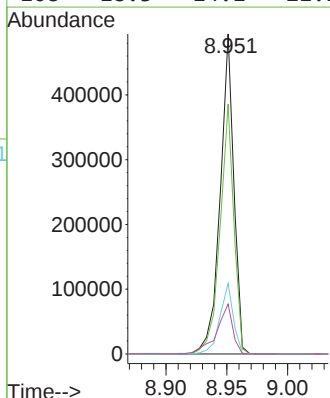
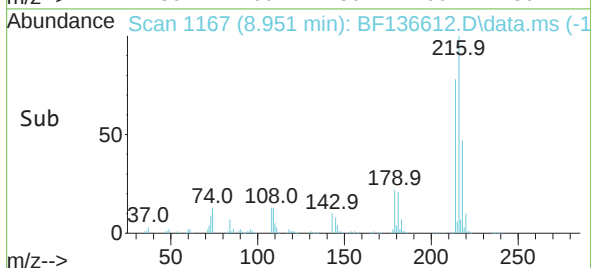
Supervised By :mohammad ahmed 12/19/2023

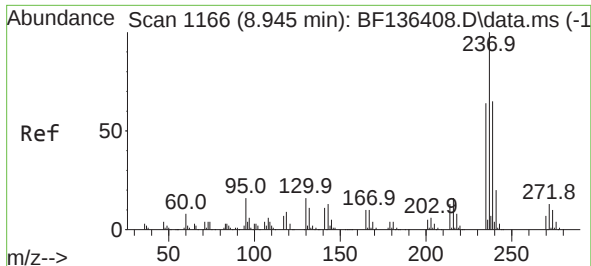


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.843 ng  
RT: 8.951 min Scan# 1167  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:216 Resp: 386982  
Ion Ratio Lower Upper  
216 100  
214 78.8 64.1 96.1  
179 21.7 17.0 25.6  
108 18.3 14.1 21.1





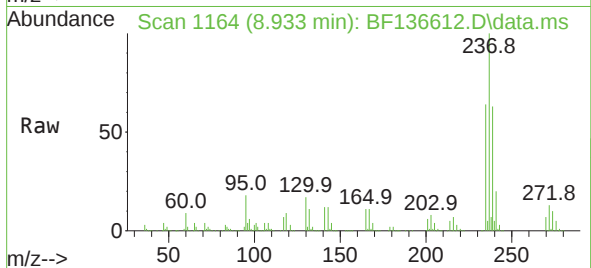
#41  
Hexachlorocyclopentadiene  
Concen: 90.509 ng  
RT: 8.933 min Scan# 1164  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

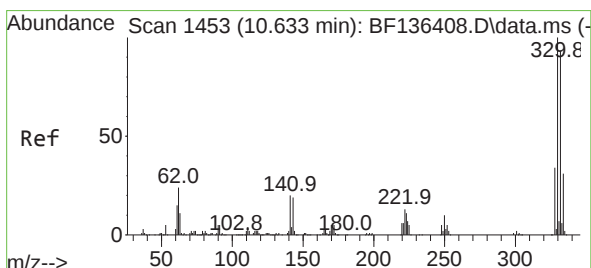
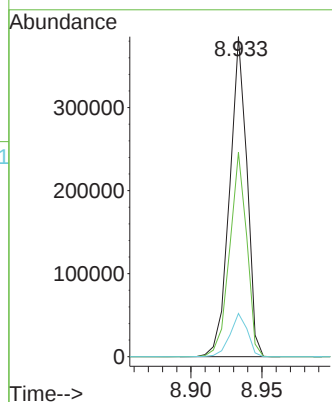
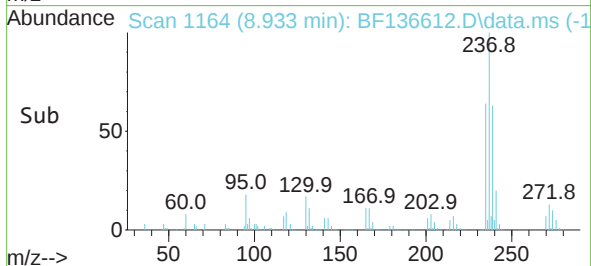


Tgt Ion:237 Resp: 32568  
Ion Ratio Lower Upper  
237 100  
235 63.8 44.1 84.1  
272 13.5 0.0 33.3

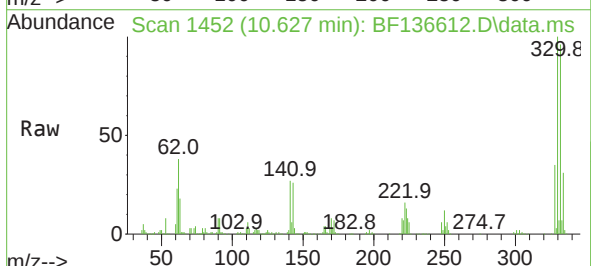
Manual Integrations

APPROVED

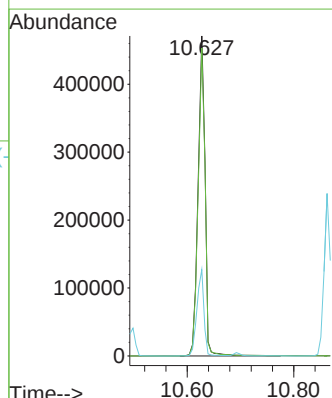
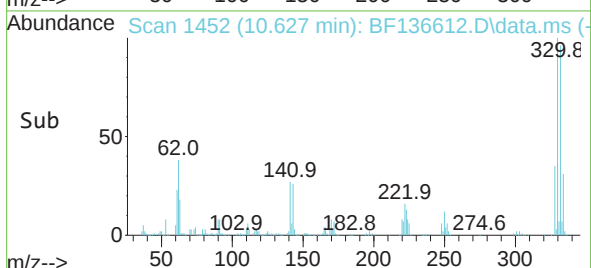
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

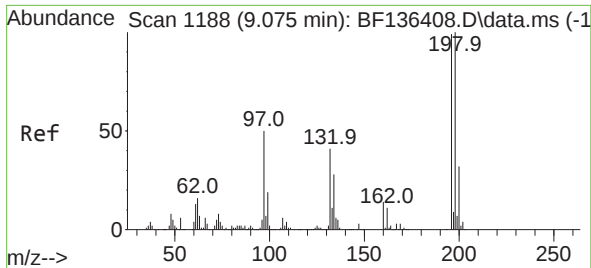


#42  
2,4,6-Tribromophenol  
Concen: 111.955 ng  
RT: 10.627 min Scan# 1452  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:330 Resp: 430954  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.4 114.6  
141 27.3 23.4 35.2





#43  
2,4,6-Trichlorophenol  
Concen: 40.585 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

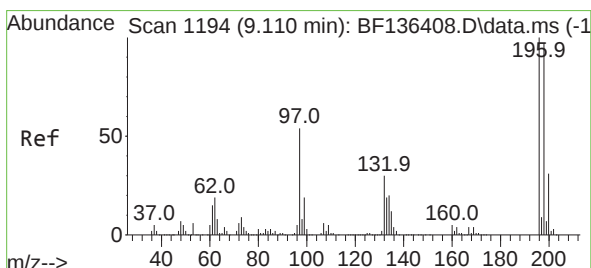
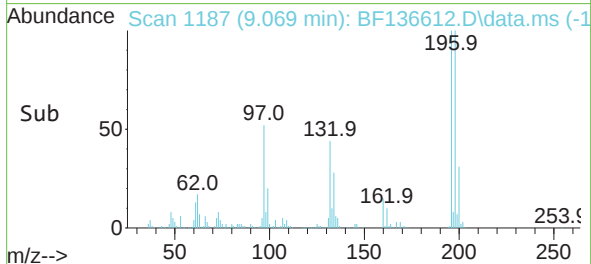
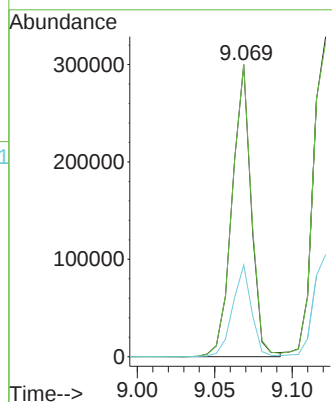
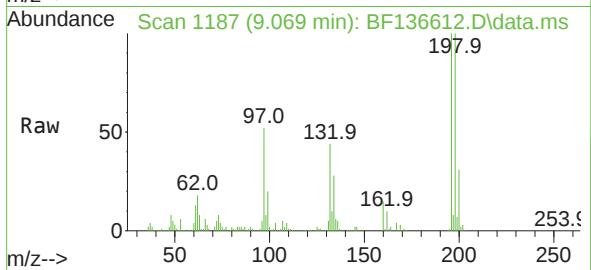
ClientSampleId :

PB157801BS

Tgt Ion:196 Resp: 25667  
Ion Ratio Lower Upper  
196 100  
198 100.2 80.4 120.6  
200 31.4 25.9 38.9

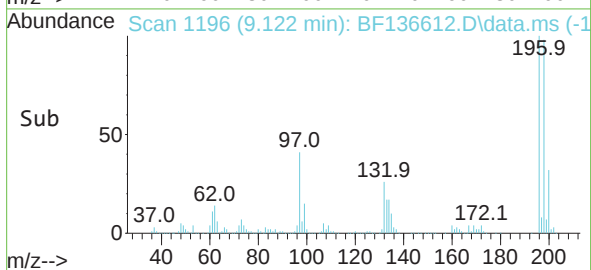
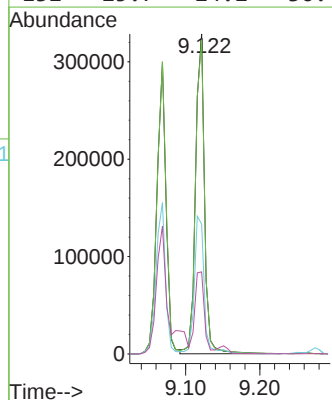
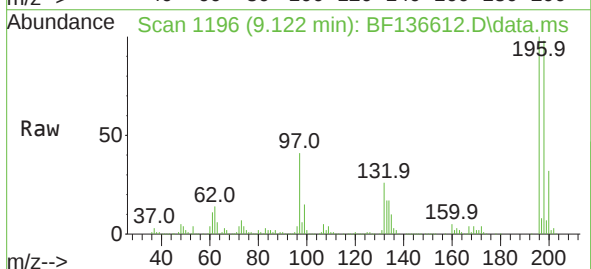
Manual Integrations  
APPROVED

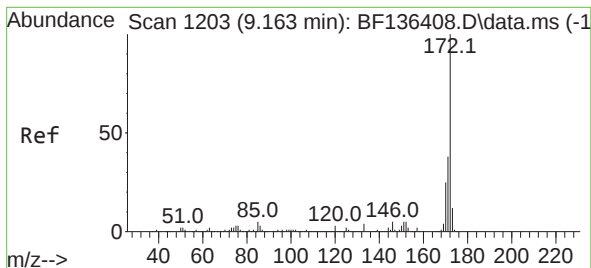
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#44  
2,4,5-Trichlorophenol  
Concen: 39.022 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.018 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:196 Resp: 275438  
Ion Ratio Lower Upper  
196 100  
198 98.2 78.1 117.1  
97 40.5 43.4 65.2#  
132 25.7 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 70.962 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

Tgt Ion:172 Resp: 162358

Ion Ratio Lower Upper

172 100

171 36.9 30.5 45.7

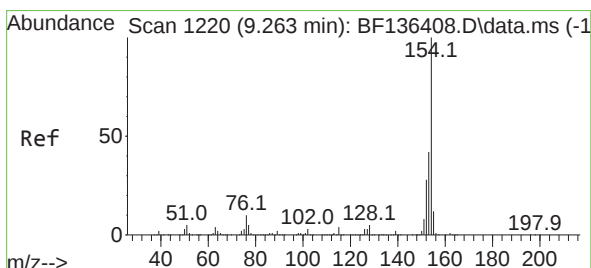
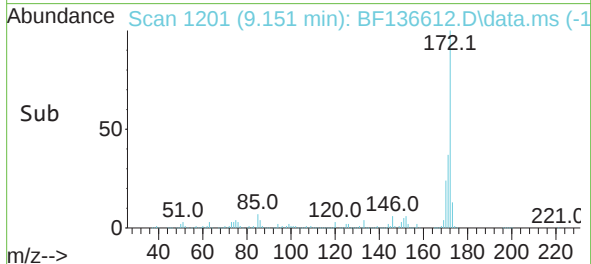
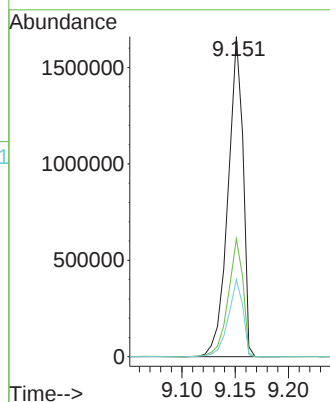
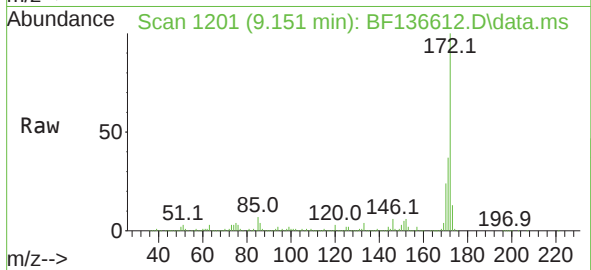
170 24.1 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#46

1,1'-Biphenyl

Concen: 37.863 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

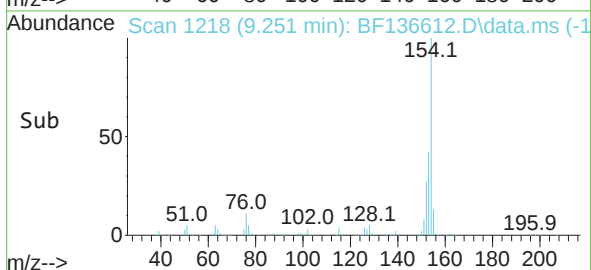
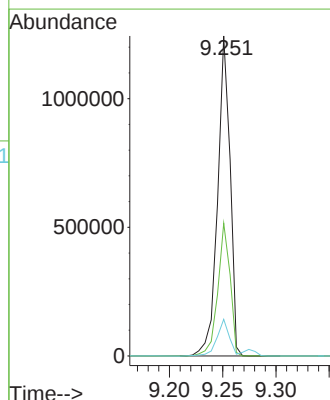
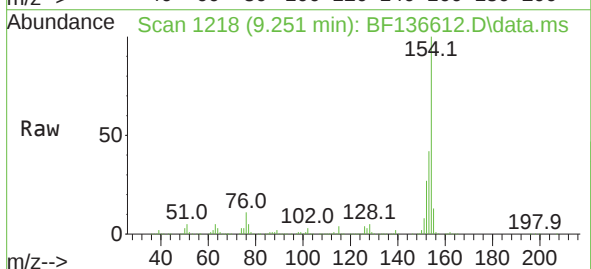
Tgt Ion:154 Resp: 1005807

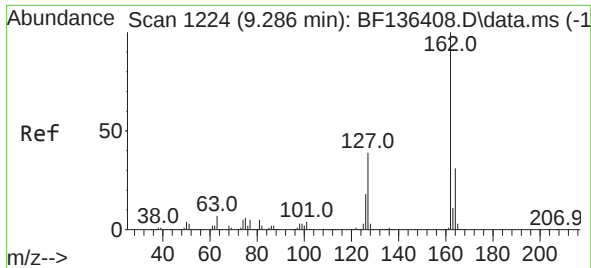
Ion Ratio Lower Upper

154 100

153 41.5 22.5 62.5

76 11.5 0.0 29.9





#47  
2-Chloronaphthalene  
Concen: 37.539 ng  
RT: 9.275 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

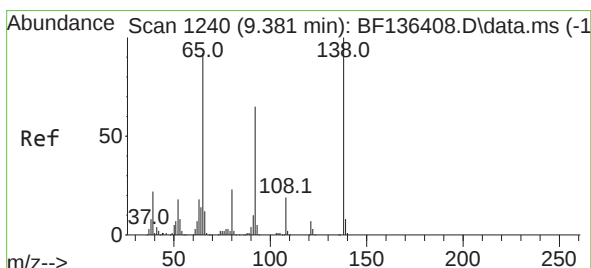
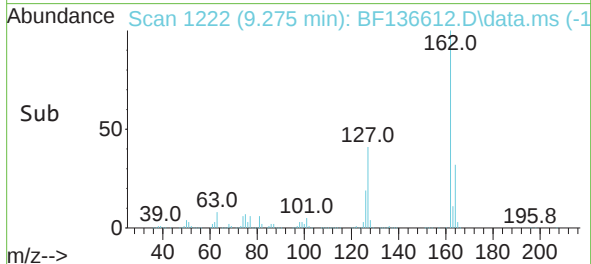
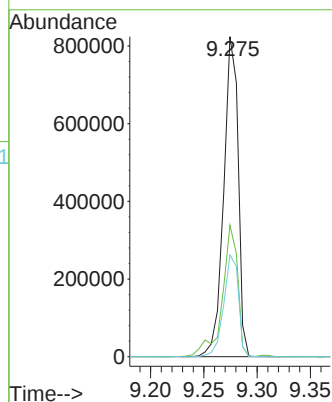
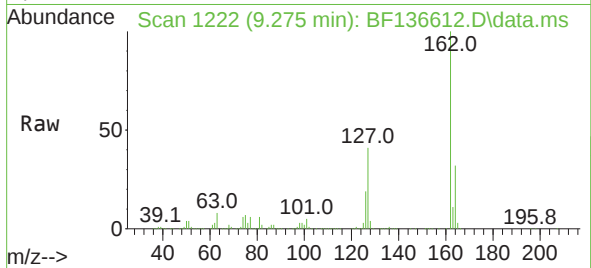
ClientSampleId :

PB157801BS

Tgt Ion:162 Resp: 77613  
Ion Ratio Lower Upper  
162 100  
127 41.1 31.1 46.7  
164 31.7 24.6 37.0

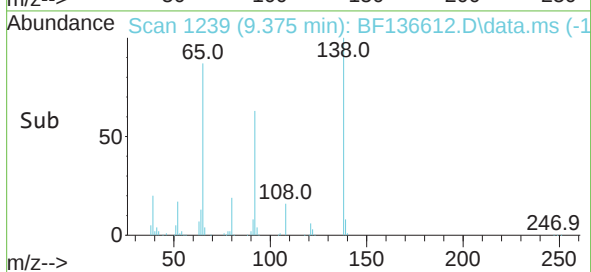
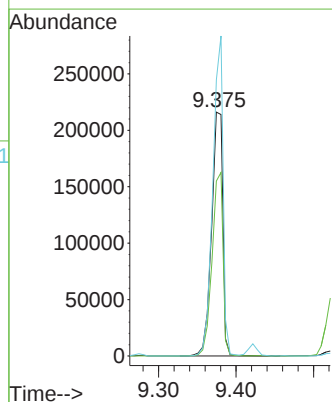
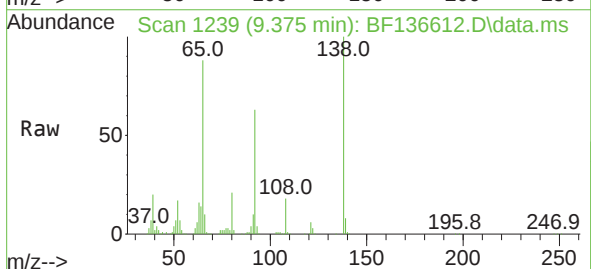
Manual Integrations  
APPROVED

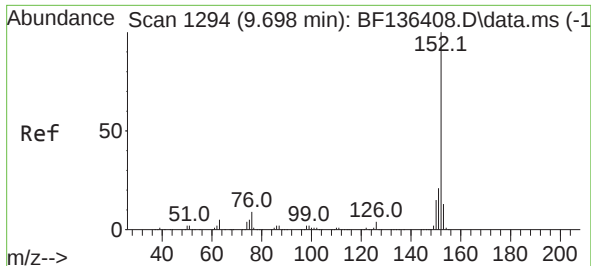
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#48  
2-Nitroaniline  
Concen: 39.168 ng  
RT: 9.375 min Scan# 1239  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion: 65 Resp: 217199  
Ion Ratio Lower Upper  
65 100  
92 71.7 56.1 84.1  
138 113.1 86.7 130.1





#49

Acenaphthylene

Concen: 39.275 ng

RT: 9.692 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

Tgt Ion:152 Resp: 1156780

Ion Ratio Lower Upper

152 100

151 20.9 17.2 25.8

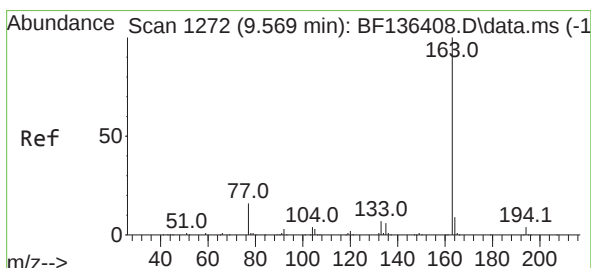
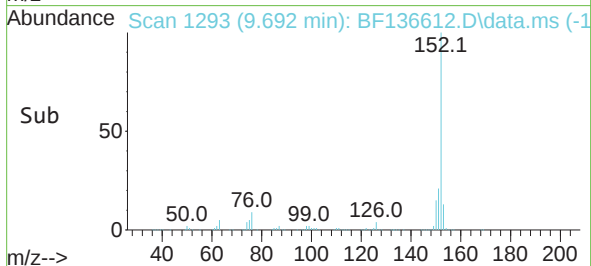
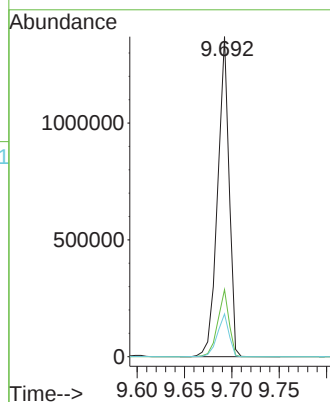
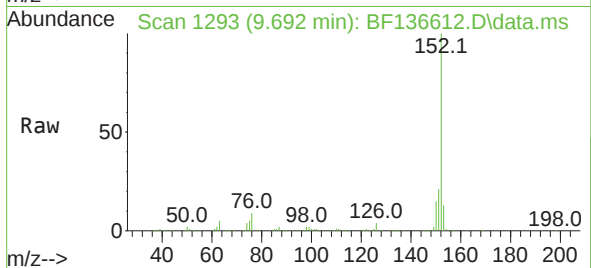
153 13.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#50

Dimethylphthalate

Concen: 40.669 ng

RT: 9.557 min Scan# 1270

Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

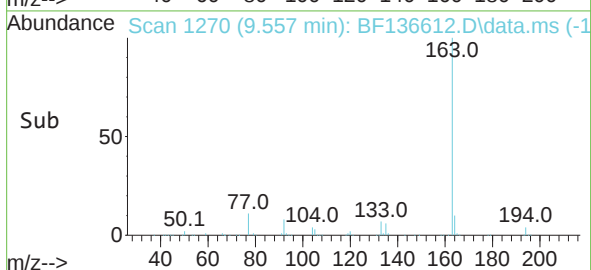
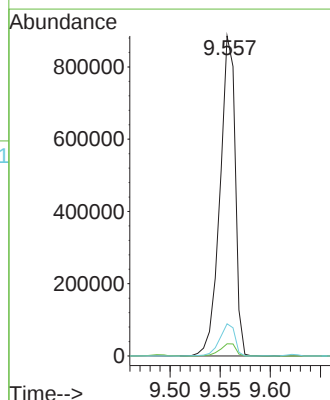
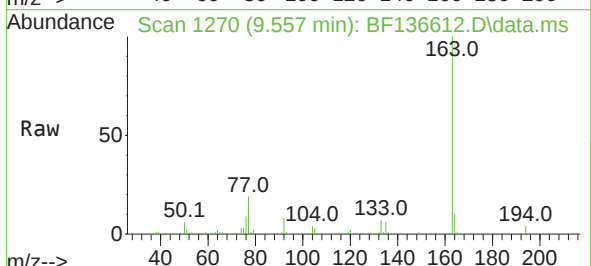
Tgt Ion:163 Resp: 934751

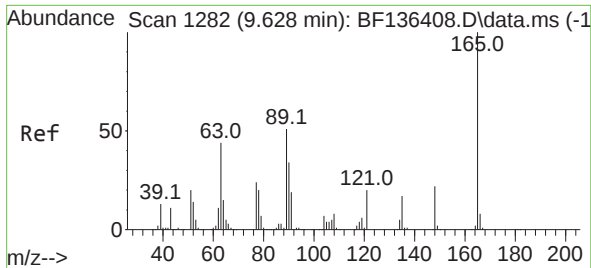
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.1 7.4 11.2





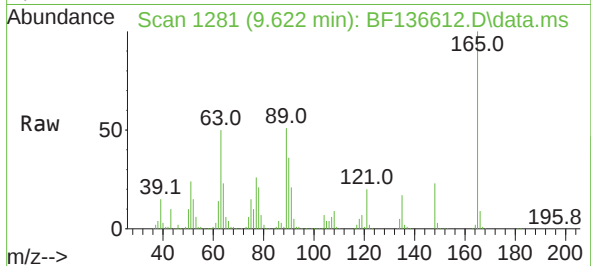
#51  
2,6-Dinitrotoluene  
Concen: 39.591 ng  
RT: 9.622 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



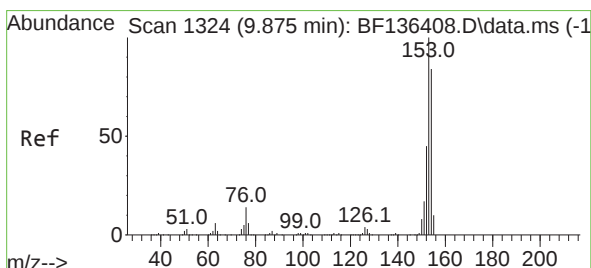
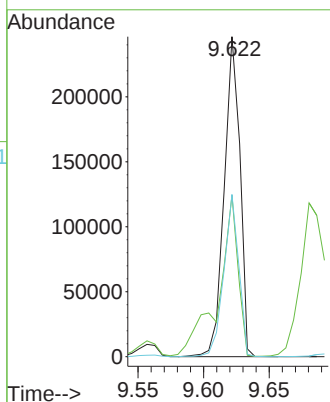
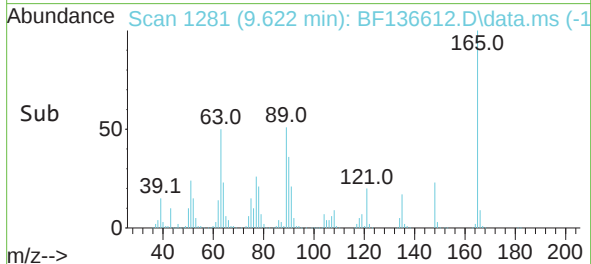
Tgt Ion:165 Resp: 204720  
Ion Ratio Lower Upper  
165 100  
63 50.4 40.4 60.6  
89 50.7 40.6 60.8

Manual Integrations

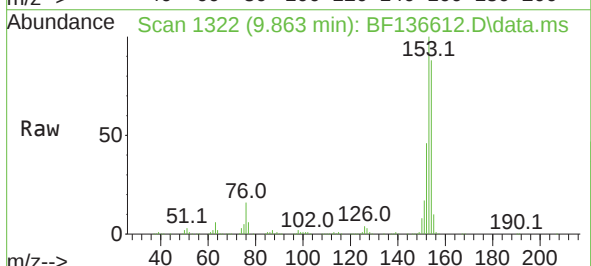
APPROVED

Reviewed By :Yogesh Patel 12/19/2023

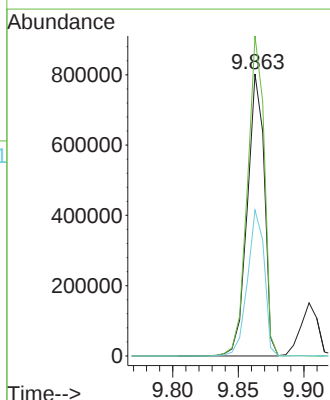
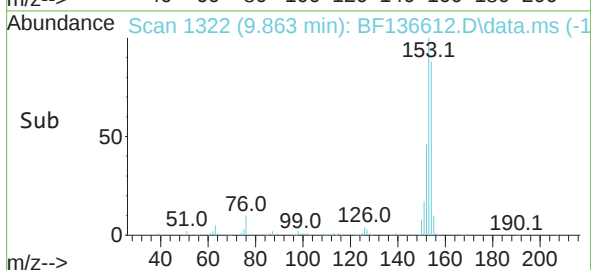
Supervised By :mohammad ahmed 12/19/2023

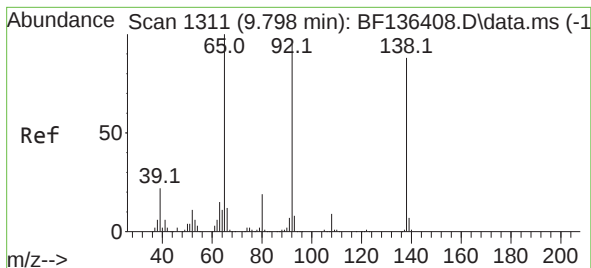


#52  
Acenaphthene  
Concen: 38.318 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:154 Resp: 723198  
Ion Ratio Lower Upper  
154 100  
153 113.5 95.3 142.9  
152 51.8 43.2 64.8





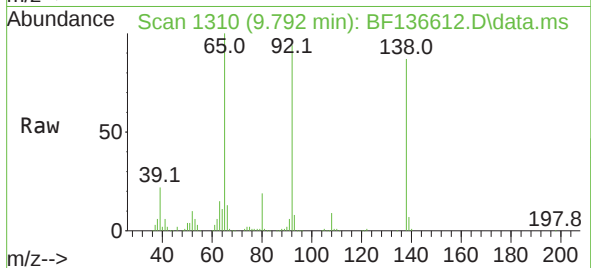
#53  
3-Nitroaniline  
Concen: 32.259 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

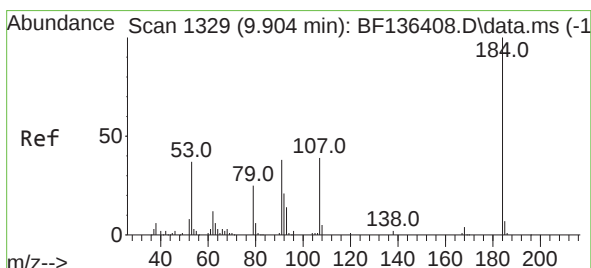
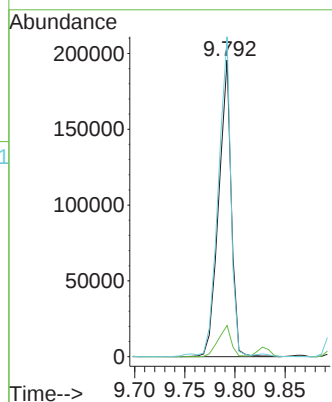
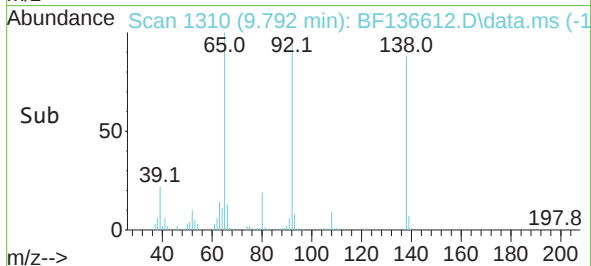


Tgt Ion:138 Resp: 170338  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.5 12.7  
92 107.8 86.1 129.1

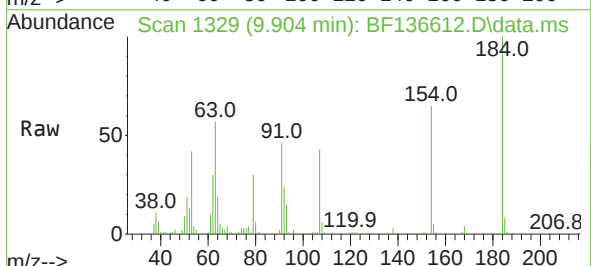
Manual Integrations

APPROVED

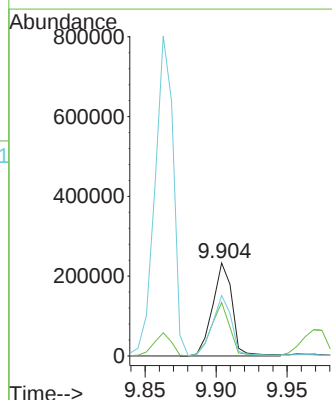
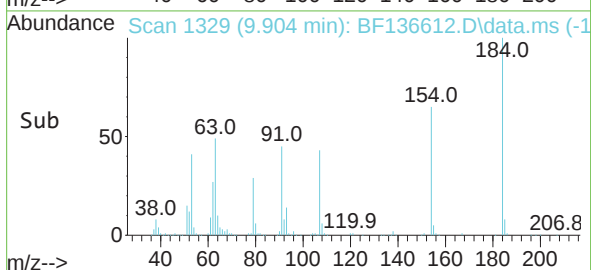
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

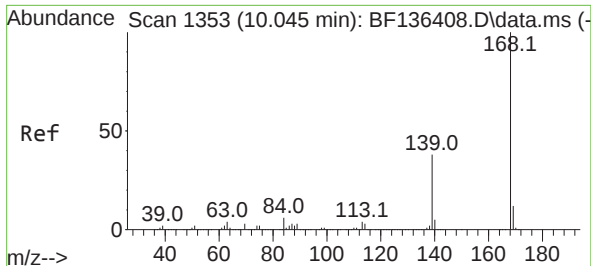


#54  
2,4-Dinitrophenol  
Concen: 86.065 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:184 Resp: 225009  
Ion Ratio Lower Upper  
184 100  
63 57.5 39.1 58.7  
154 64.8 49.9 74.9





#55  
Dibenzenofuran  
Concen: 38.013 ng  
RT: 10.039 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

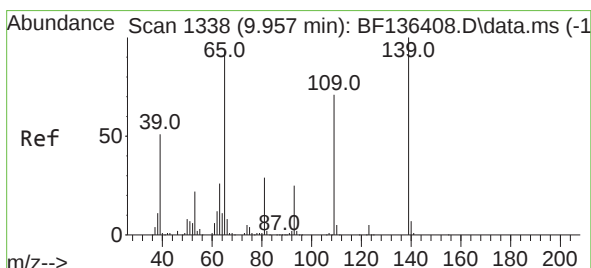
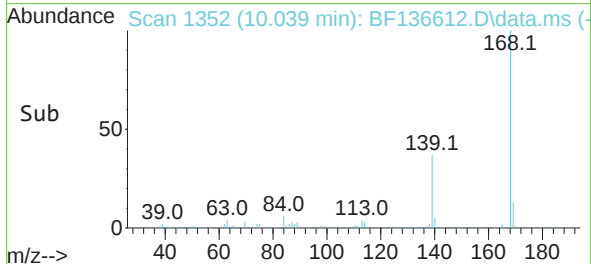
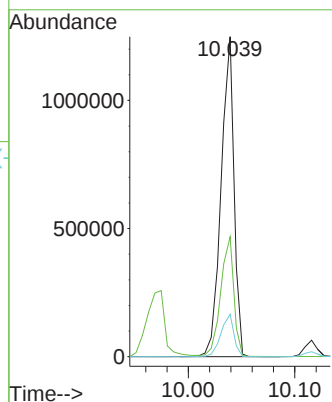
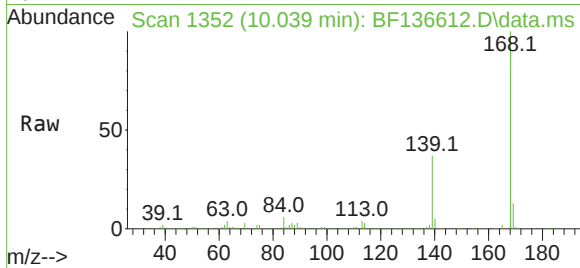
PB157801BS

Tgt Ion:168 Resp: 104811  
Ion Ratio Lower Upper  
168 100  
139 37.5 30.4 45.6  
169 13.2 9.9 14.9

Manual Integrations

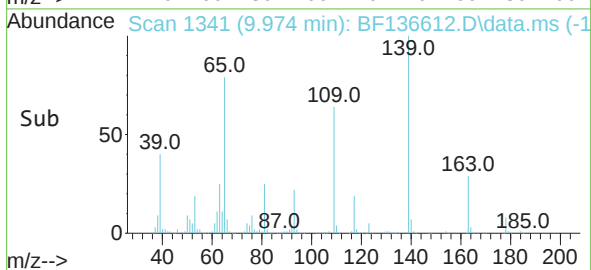
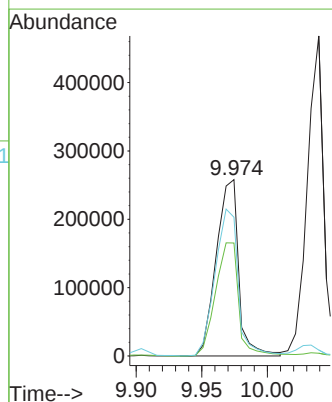
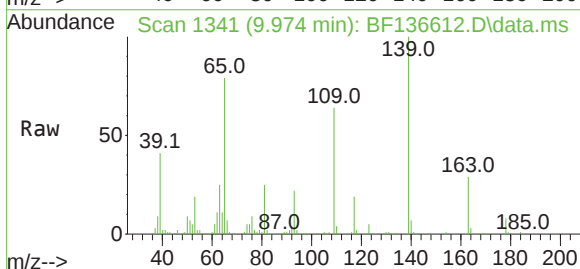
APPROVED

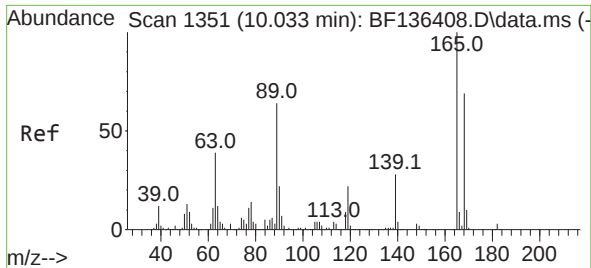
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#56  
4-Nitrophenol  
Concen: 77.425 ng  
RT: 9.974 min Scan# 1341  
Delta R.T. 0.023 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:139 Resp: 306481  
Ion Ratio Lower Upper  
139 100  
109 64.1 50.6 90.6  
65 78.6 73.1 113.1





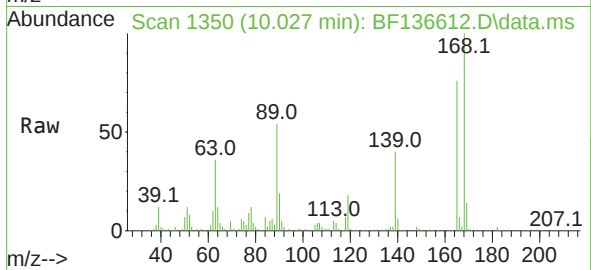
#57  
2,4-Dinitrotoluene  
Concen: 38.382 ng  
RT: 10.027 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

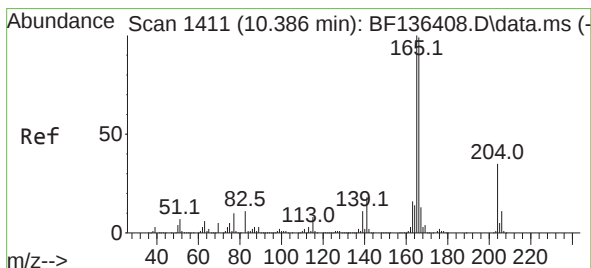
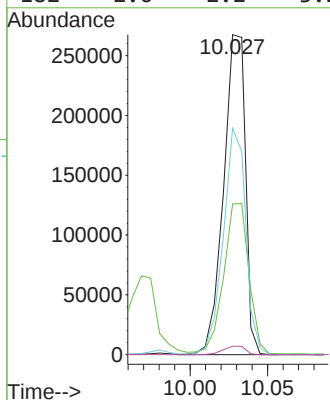
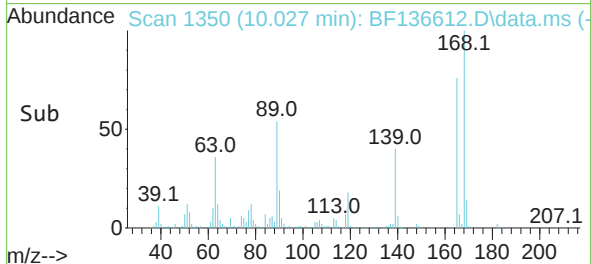


Tgt Ion:165 Resp: 262550  
Ion Ratio Lower Upper  
165 100  
63 47.1 31.4 47.2  
89 70.8 51.7 77.5  
182 2.6 2.2 3.2

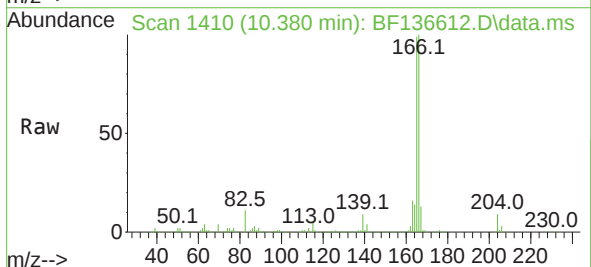
Manual Integrations

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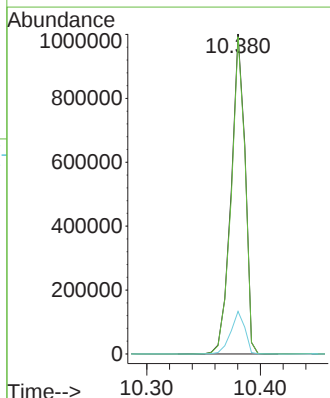
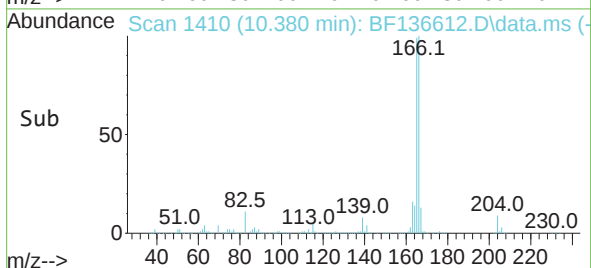
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

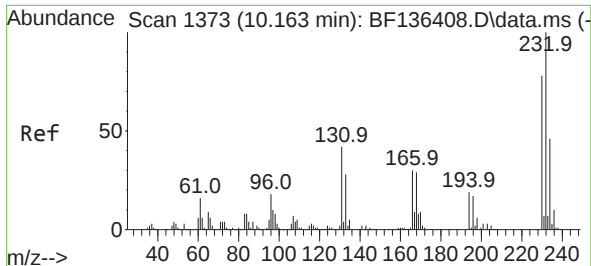


#58  
Fluorene  
Concen: 38.496 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



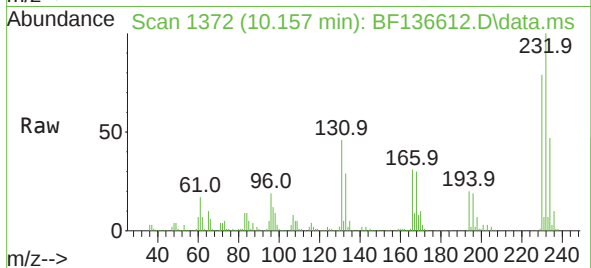
Tgt Ion:166 Resp: 852029  
Ion Ratio Lower Upper  
166 100  
165 99.1 80.5 120.7  
167 13.3 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.761 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

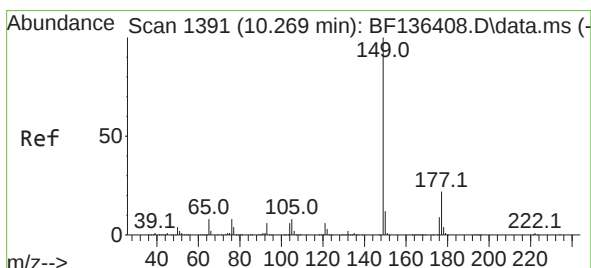
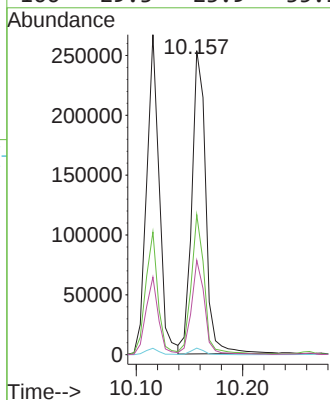
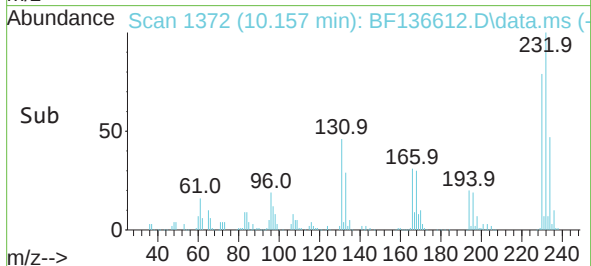
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



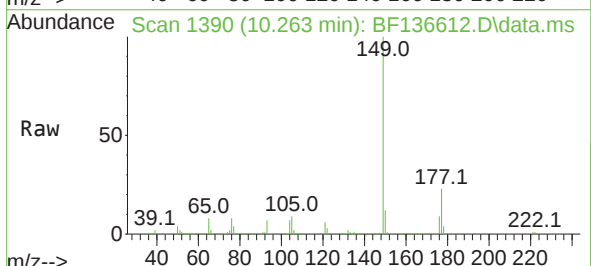
Tgt Ion:232 Resp: 230458  
Ion Ratio Lower Upper  
232 100  
131 43.1 34.3 51.5  
130 2.0 1.6 2.4  
166 29.3 23.9 35.9

Manual Integrations  
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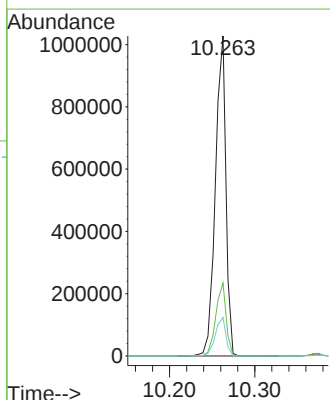
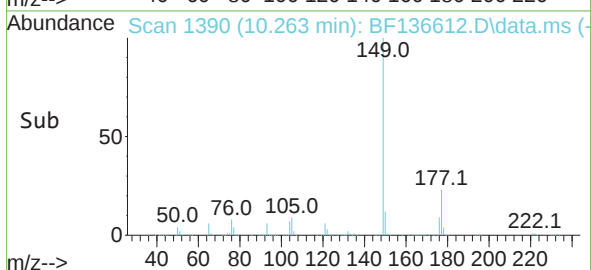
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

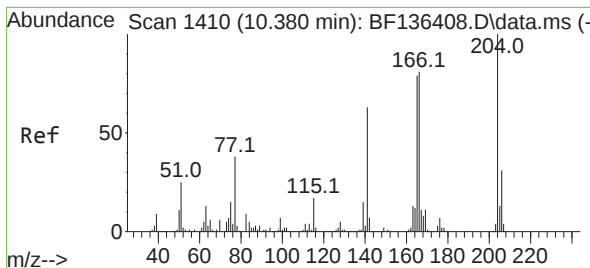


#60  
Diethylphthalate  
Concen: 39.246 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



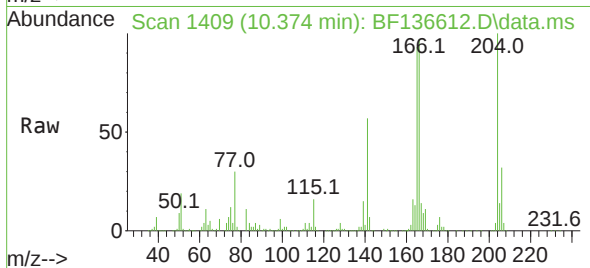
Tgt Ion:149 Resp: 887019  
Ion Ratio Lower Upper  
149 100  
177 22.8 17.8 26.8  
150 12.1 9.4 14.0





#61  
4-Chlorophenyl-phenylether  
Concen: 39.066 ng  
RT: 10.374 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

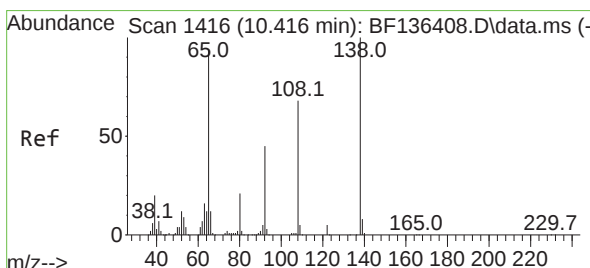
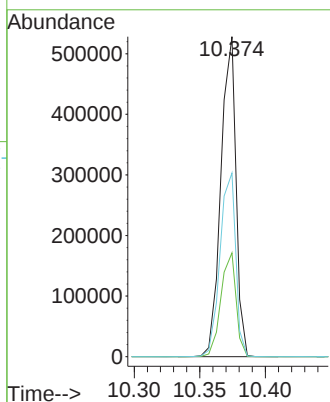
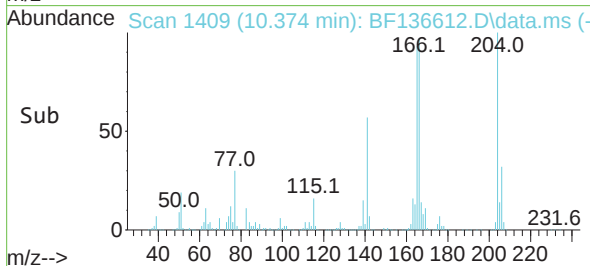
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



Tgt Ion:204 Resp: 421510  
Ion Ratio Lower Upper  
204 100  
206 32.5 24.6 36.8  
141 57.4 50.3 75.5

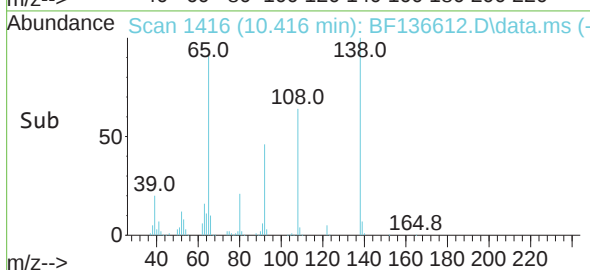
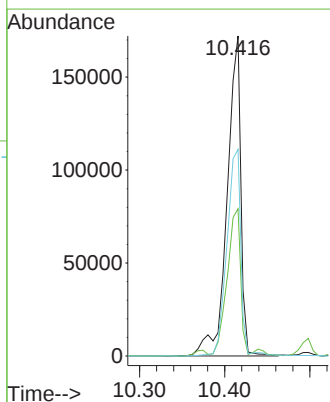
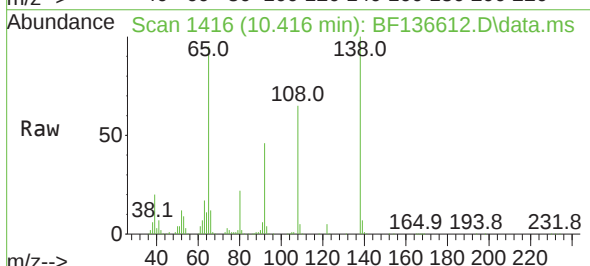
Manual Integrations  
APPROVED

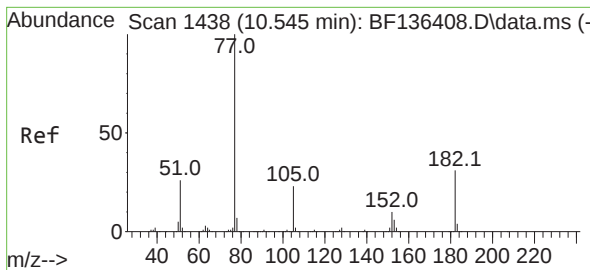
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#62  
4-Nitroaniline  
Concen: 36.975 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

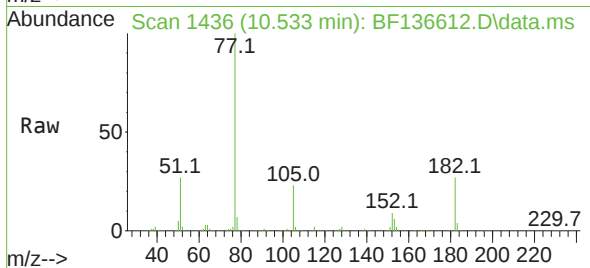
Tgt Ion:138 Resp: 193864  
Ion Ratio Lower Upper  
138 100  
92 46.0 25.0 65.0  
108 64.5 47.9 87.9





#63  
Azobenzene  
Concen: 37.958 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

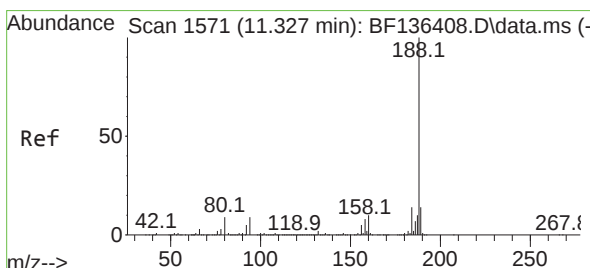
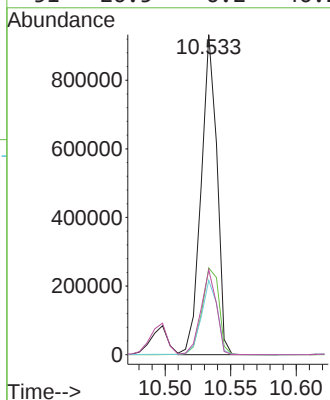
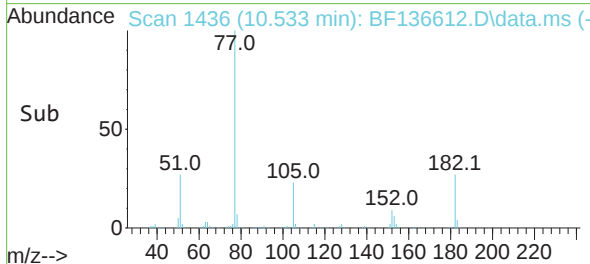
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



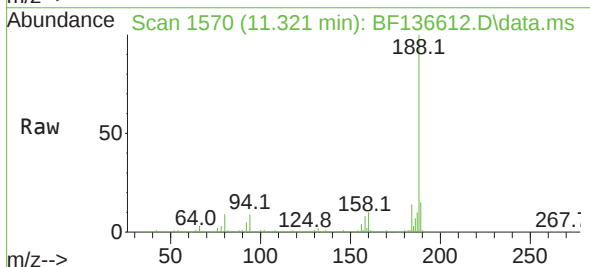
Tgt Ion: 77 Resp: 78088  
Ion Ratio Lower Upper  
77 100  
182 27.1 10.8 50.8  
105 23.2 2.6 42.6  
51 26.5 6.2 46.2

Manual Integrations  
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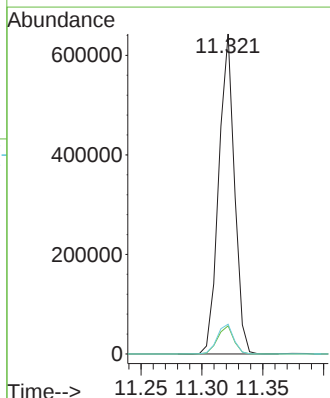
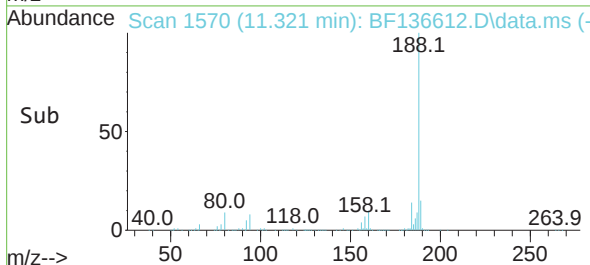
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

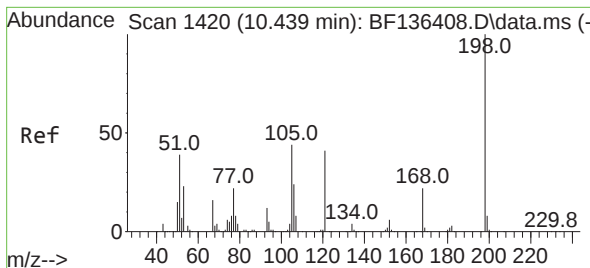


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.321 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:188 Resp: 578458  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.2 10.8  
80 9.3 7.2 10.8





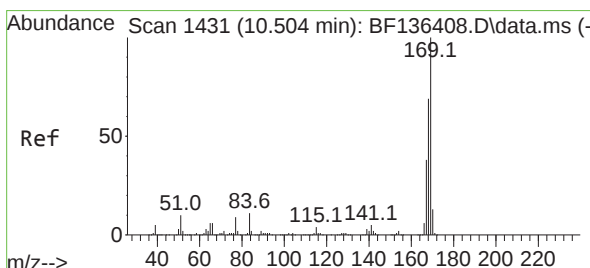
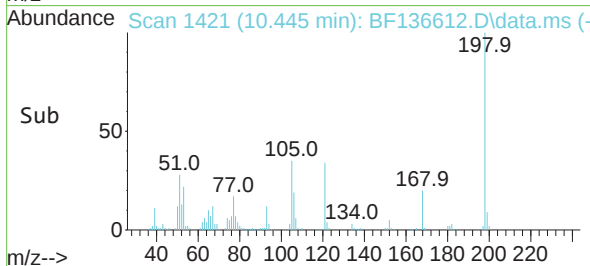
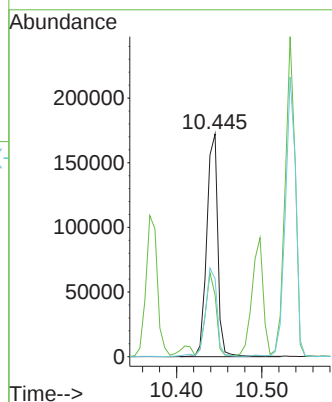
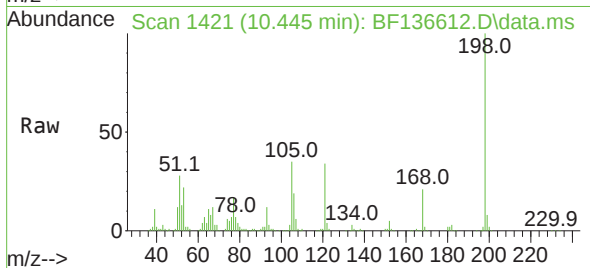
#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.187 ng  
RT: 10.445 min Scan# 1420  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS

Tgt Ion:198 Resp: 154715  
Ion Ratio Lower Upper  
198 100  
51 27.7 24.1 64.1  
105 35.1 24.8 64.8

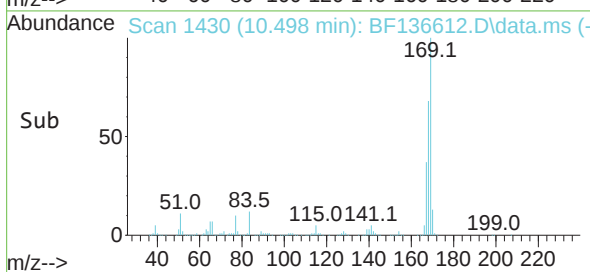
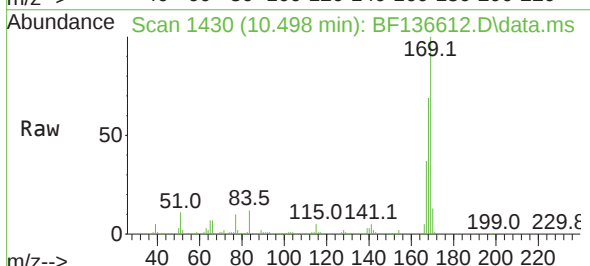
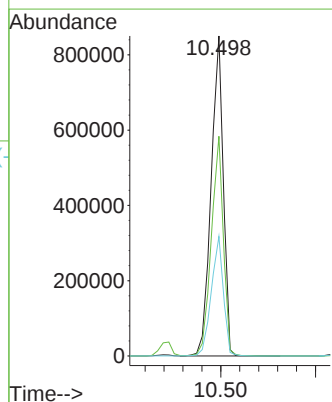
Manual Integrations  
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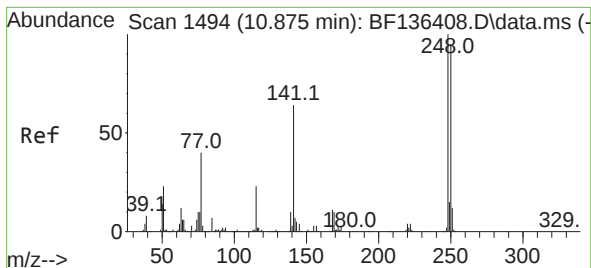
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#66  
n-Nitrosodiphenylamine  
Concen: 40.818 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:169 Resp: 757646  
Ion Ratio Lower Upper  
169 100  
168 68.6 55.3 82.9  
167 37.4 30.1 45.1





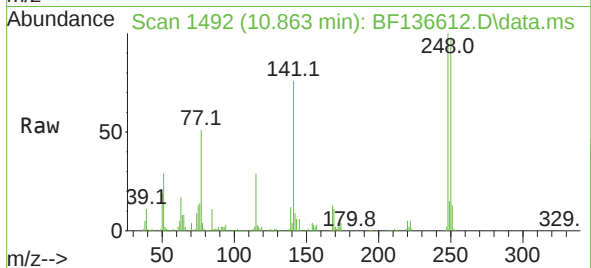
#67  
4-Bromophenyl-phenylether  
Concen: 40.346 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. -0.000 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



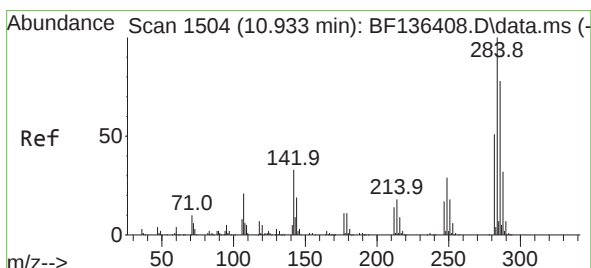
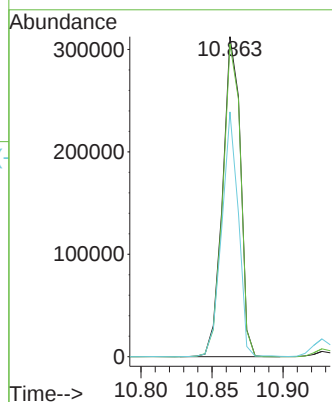
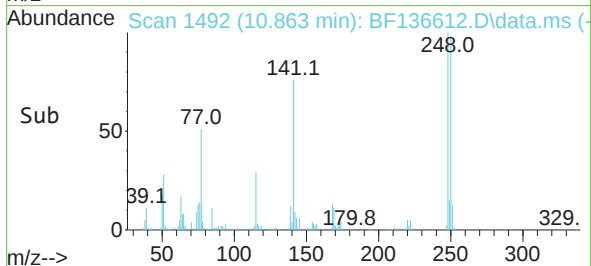
Tgt Ion:248 Resp: 271347  
Ion Ratio Lower Upper  
248 100  
250 97.8 76.2 114.2  
141 76.5 51.0 76.4

Manual Integrations

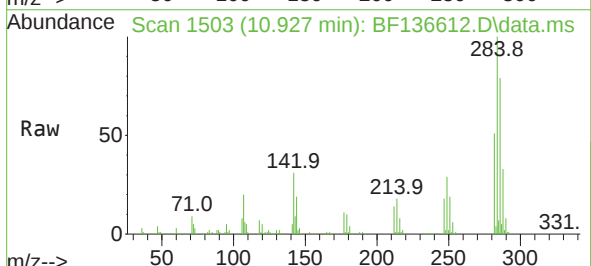
APPROVED

Reviewed By :Yogesh Patel 12/19/2023

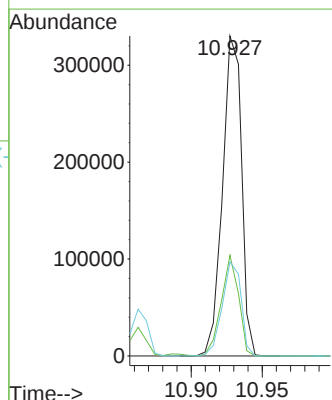
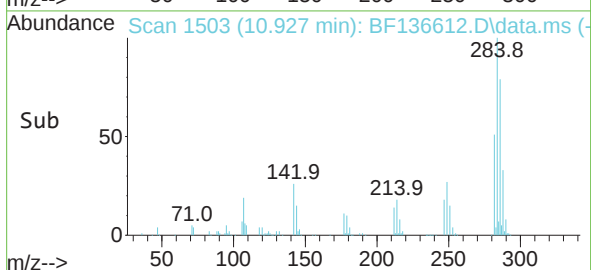
Supervised By :mohammad ahmed 12/19/2023

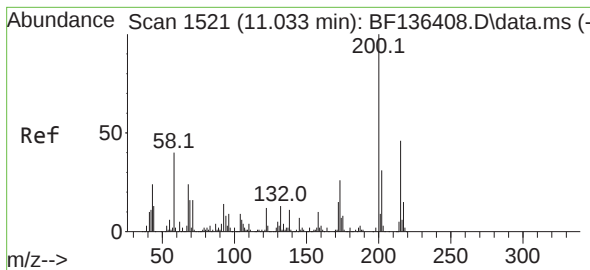


#68  
Hexachlorobenzene  
Concen: 39.425 ng  
RT: 10.927 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



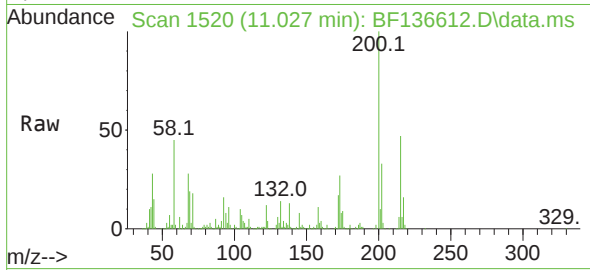
Tgt Ion:284 Resp: 306454  
Ion Ratio Lower Upper  
284 100  
142 31.4 26.5 39.7  
249 29.4 23.4 35.0





#69  
 Atrazine  
 Concen: 39.995 ng  
 RT: 11.027 min Scan# 11027  
 Delta R.T. 0.006 min  
 Lab File: BF136612.D  
 Acq: 18 Dec 2023 13:53

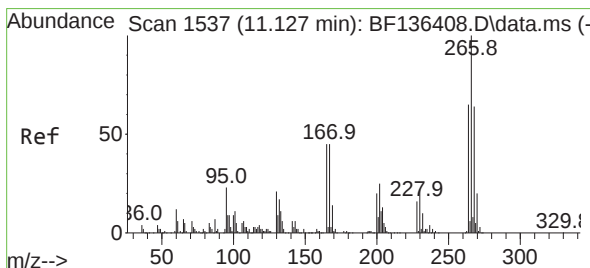
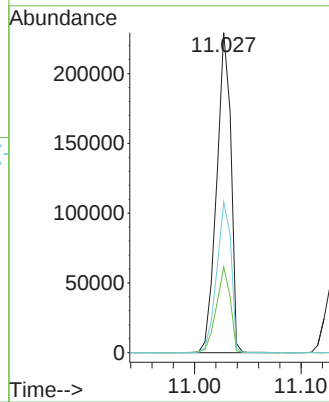
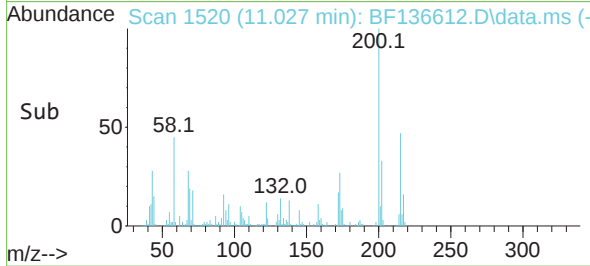
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157801BS



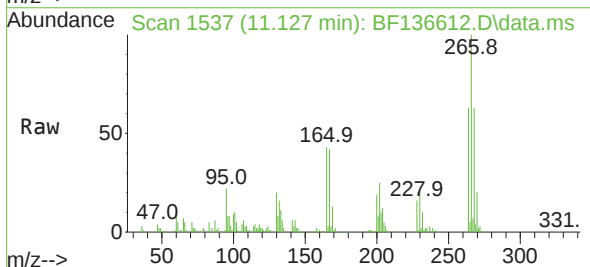
Tgt Ion:200 Resp: 211884  
 Ion Ratio Lower Upper  
 200 100  
 173 26.8 6.0 46.0  
 215 47.1 25.5 65.5

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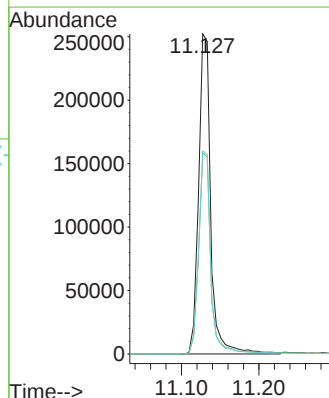
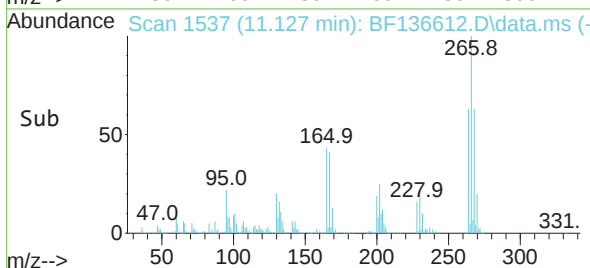
Reviewed By :Yogesh Patel 12/19/2023  
 Supervised By :mohammad ahmed 12/19/2023

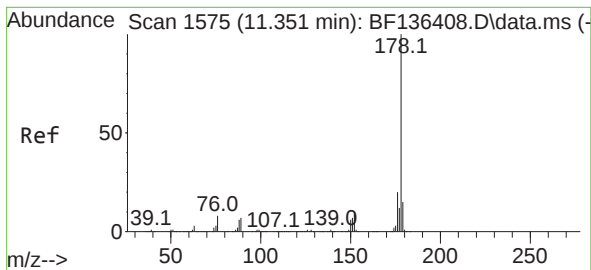


#70  
 Pentachlorophenol  
 Concen: 62.436 ng  
 RT: 11.127 min Scan# 1537  
 Delta R.T. 0.006 min  
 Lab File: BF136612.D  
 Acq: 18 Dec 2023 13:53



Tgt Ion:266 Resp: 273907  
 Ion Ratio Lower Upper  
 266 100  
 268 62.8 51.0 76.6  
 264 63.4 52.2 78.4





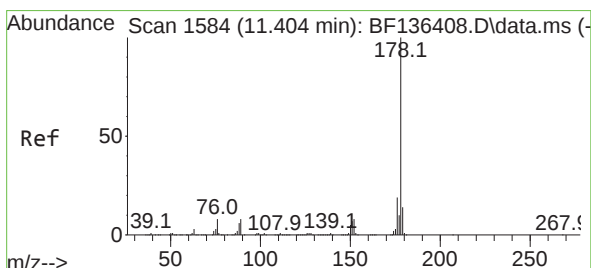
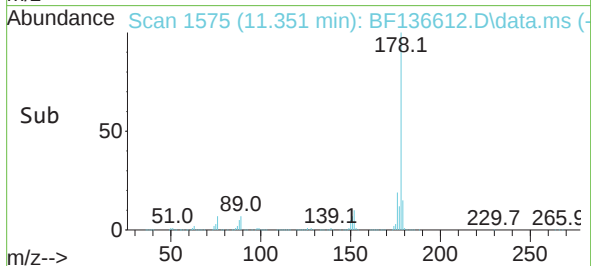
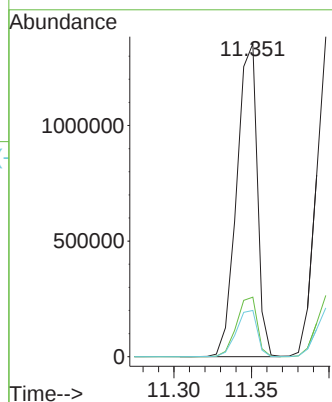
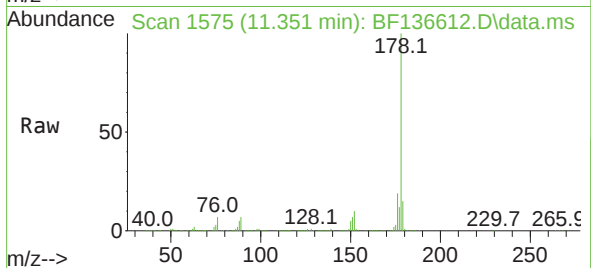
#71  
Phenanthrene  
Concen: 39.251 ng  
RT: 11.351 min Scan# 1575  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS

Tgt Ion:178 Resp: 1247970  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.9 23.9  
179 14.8 11.8 17.6

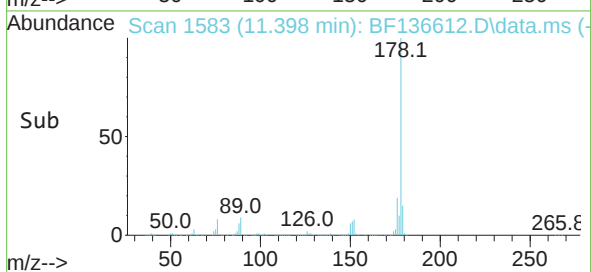
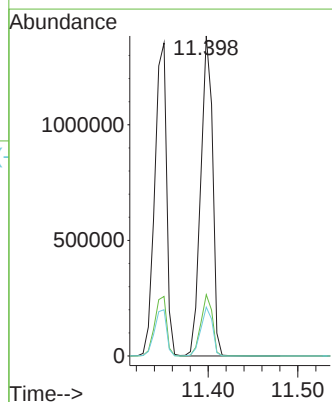
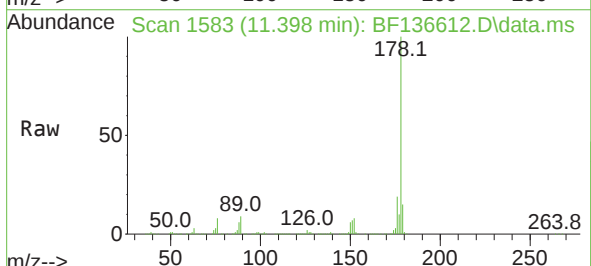
Manual Integrations  
APPROVED

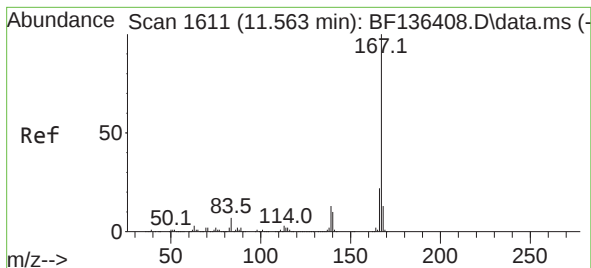
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#72  
Anthracene  
Concen: 39.667 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

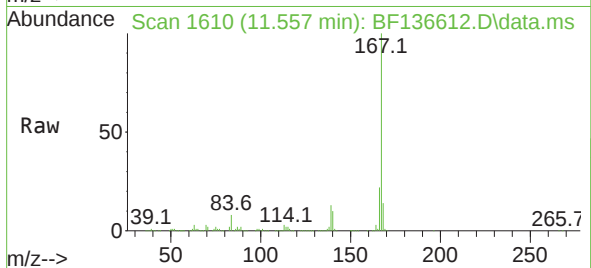
Tgt Ion:178 Resp: 1270290  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.3 22.9  
179 15.2 11.4 17.0





#73  
 Carbazole  
 Concen: 38.058 ng  
 RT: 11.557 min Scan# 1610  
 Delta R.T. 0.006 min  
 Lab File: BF136612.D  
 Acq: 18 Dec 2023 13:53

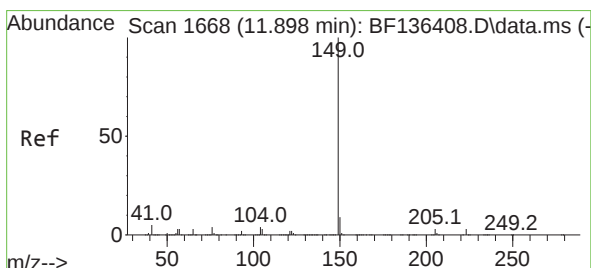
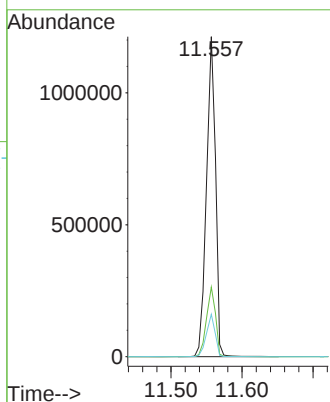
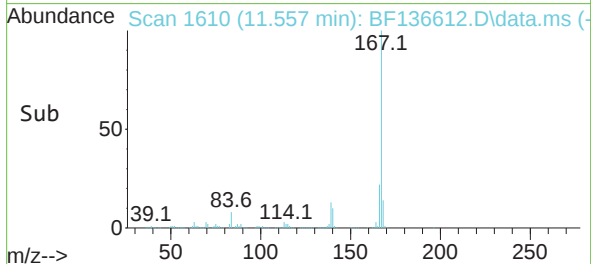
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157801BS



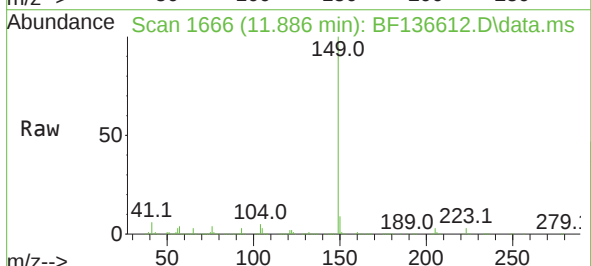
Tgt Ion:167 Resp: 1078699  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 18.0 27.0  
 139 13.3 10.2 15.4

Manual Integrations  
 APPROVED

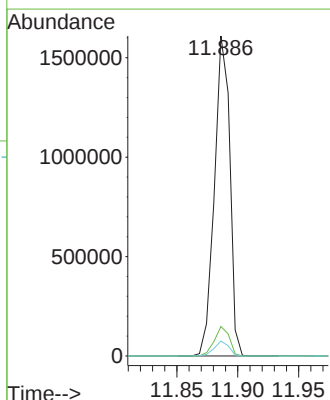
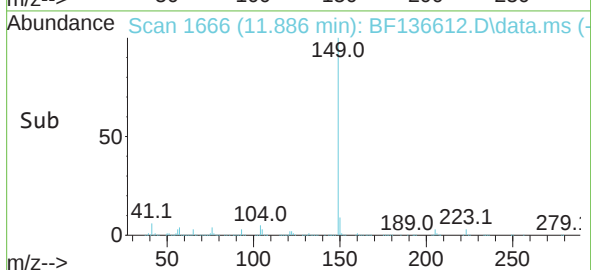
Reviewed By :Yogesh Patel 12/19/2023  
 Supervised By :mohammad ahmed 12/19/2023

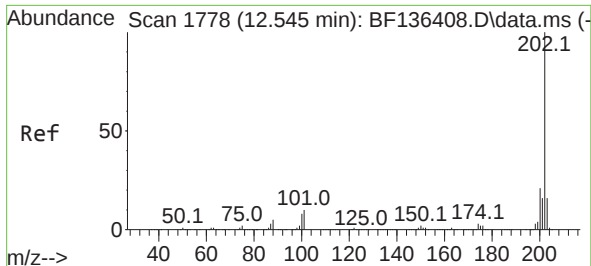


#74  
 Di-n-butylphthalate  
 Concen: 40.716 ng  
 RT: 11.886 min Scan# 1666  
 Delta R.T. -0.000 min  
 Lab File: BF136612.D  
 Acq: 18 Dec 2023 13:53



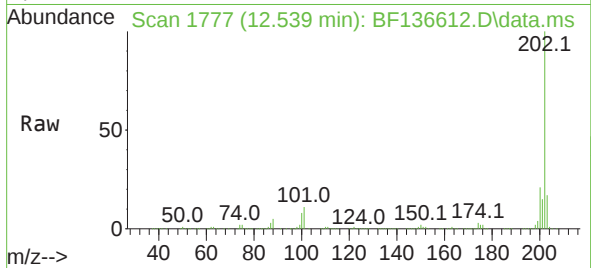
Tgt Ion:149 Resp: 1414752  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 6.9 10.3  
 104 4.7 3.5 5.3





#75  
Fluoranthene  
Concen: 37.363 ng  
RT: 12.539 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

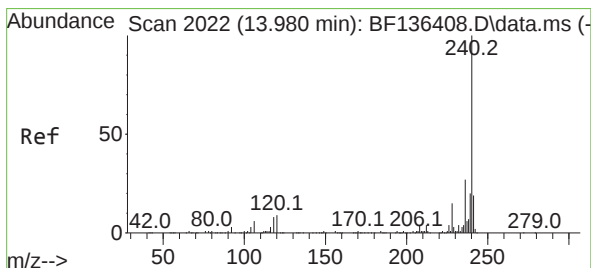
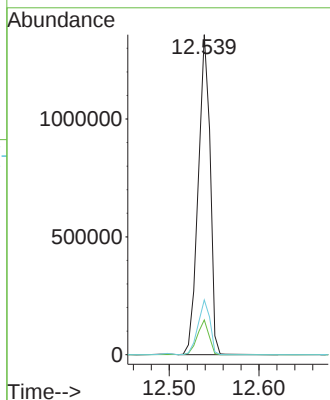
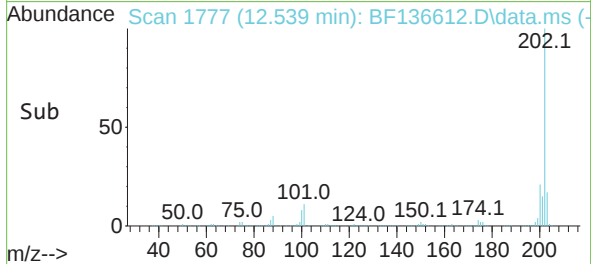
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



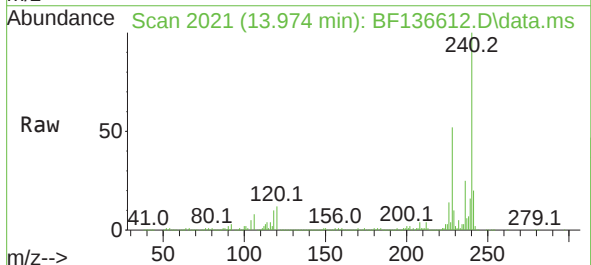
Tgt Ion:202 Resp: 1244890  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 29.9  
203 17.1 0.0 36.3

Manual Integrations  
APPROVED

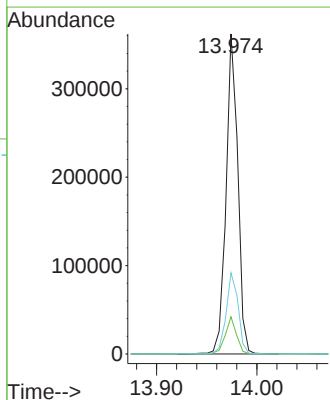
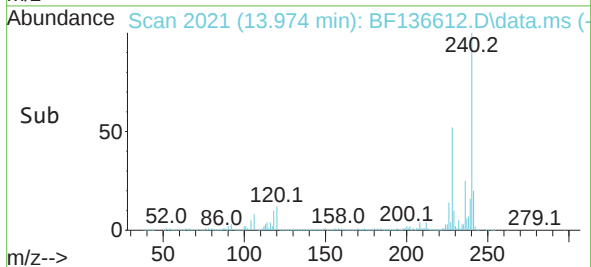
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023

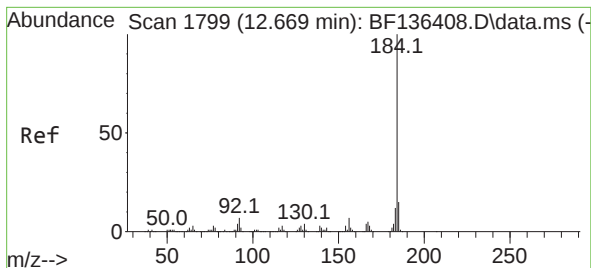


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:240 Resp: 293668  
Ion Ratio Lower Upper  
240 100  
120 11.6 7.3 10.9#  
236 25.4 21.3 31.9





#77

Benzidine

Concen: 16.877 ng

RT: 12.663 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS

Tgt Ion:184 Resp: 7332

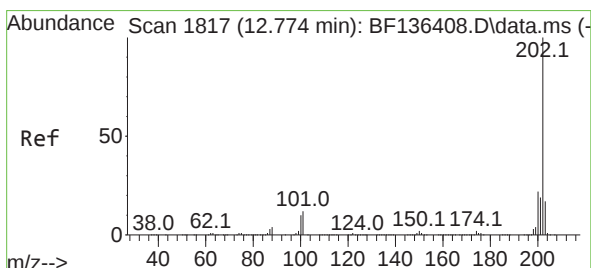
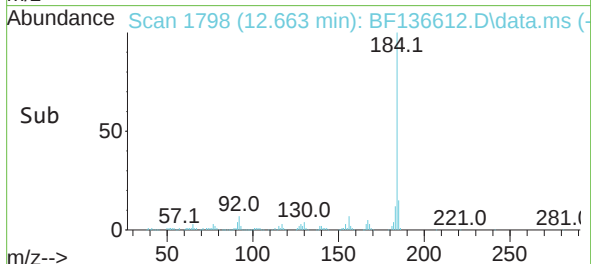
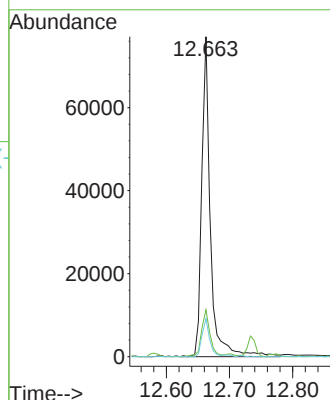
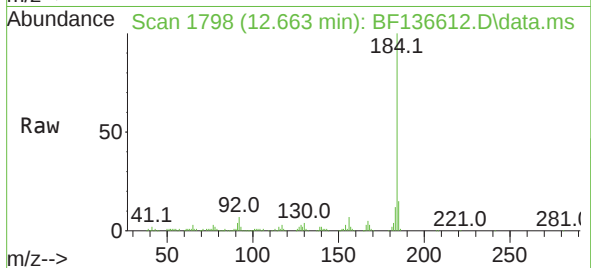
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.7  | 12.0  | 18.0  |
| 183 | 11.9  | 9.4   | 14.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#78

Pyrene

Concen: 41.639 ng

RT: 12.768 min Scan# 1816

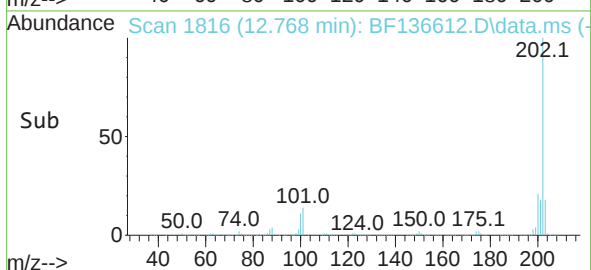
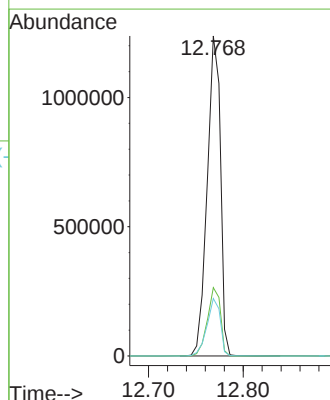
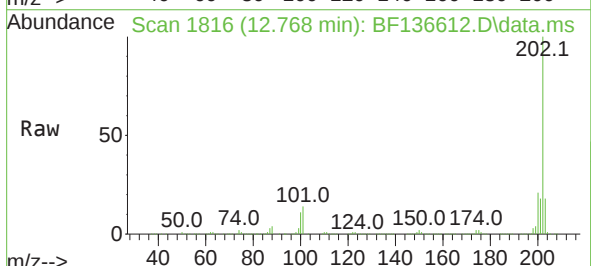
Delta R.T. 0.006 min

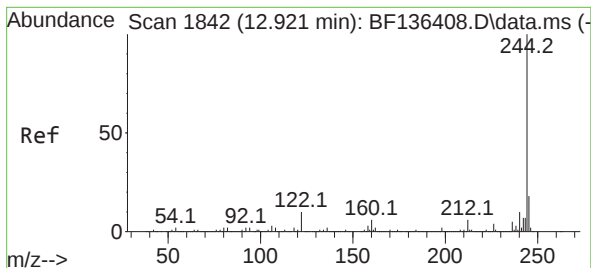
Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

Tgt Ion:202 Resp: 1197571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.4  | 18.0  | 27.0  |
| 203 | 18.0  | 13.5  | 20.3  |





#79

Terphenyl-d14

Concen: 81.082 ng

RT: 12.915 min Scan# 1842

Delta R.T. 0.006 min

Lab File: BF136612.D

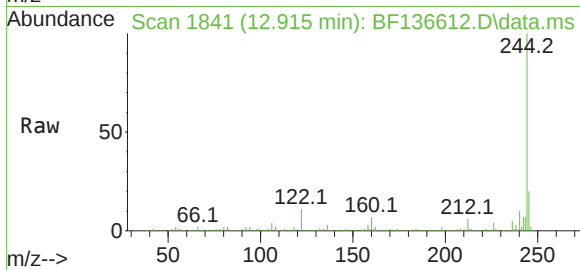
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



Tgt Ion:244 Resp: 180656

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

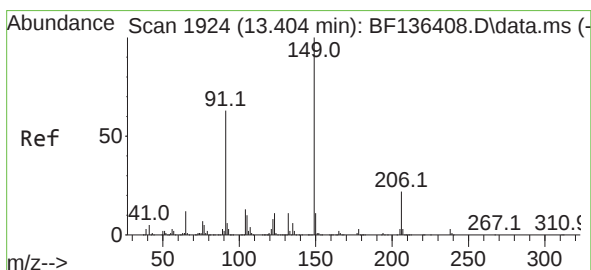
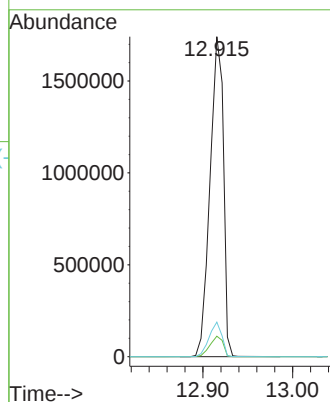
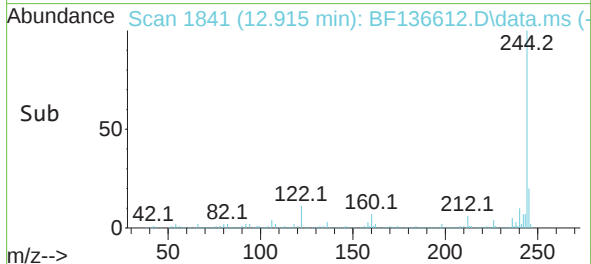
122 10.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#80

Butylbenzylphthalate

Concen: 45.519 ng

RT: 13.392 min Scan# 1922

Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

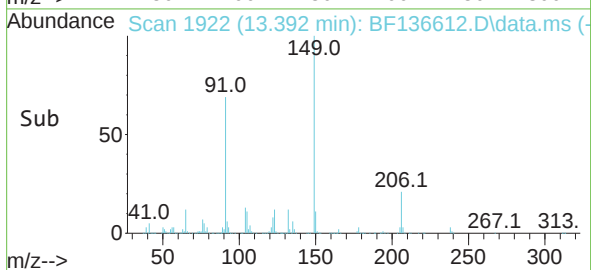
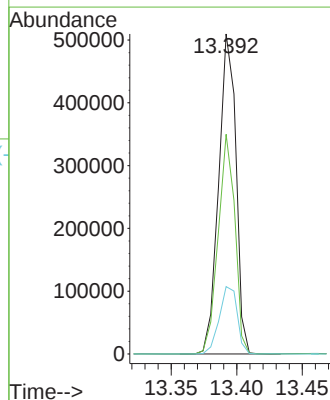
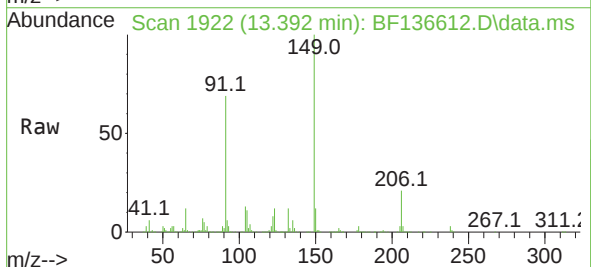
Tgt Ion:149 Resp: 466035

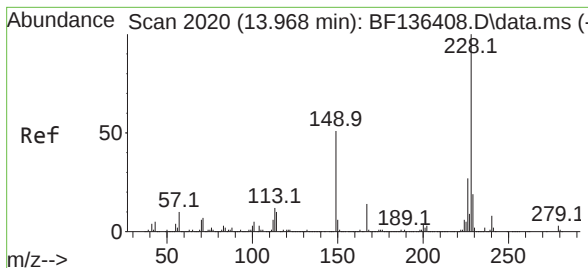
Ion Ratio Lower Upper

149 100

91 68.7 50.5 75.7

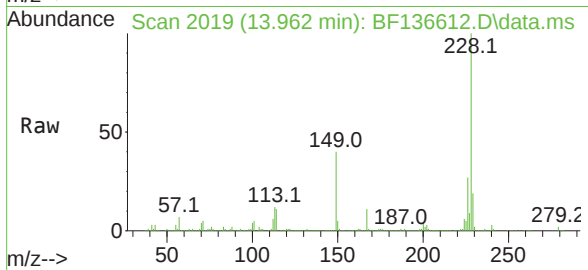
206 21.1 17.4 26.2





#81  
Benzo(a)anthracene  
Concen: 40.519 ng  
RT: 13.962 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

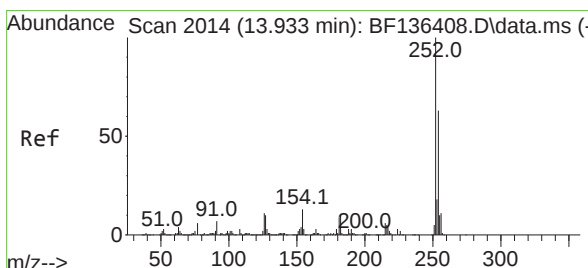
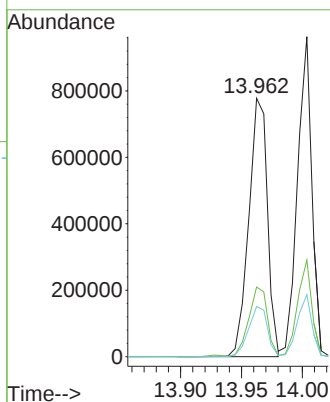
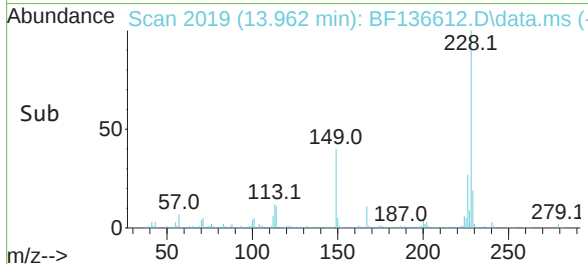
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



Tgt Ion:228 Resp: 82885  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.8 32.8  
229 19.4 15.0 22.4

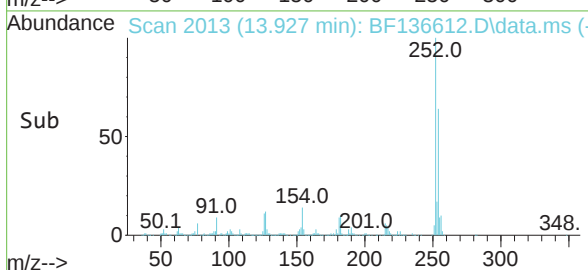
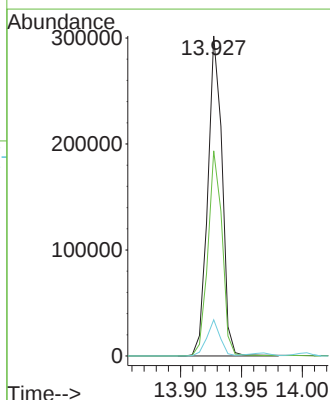
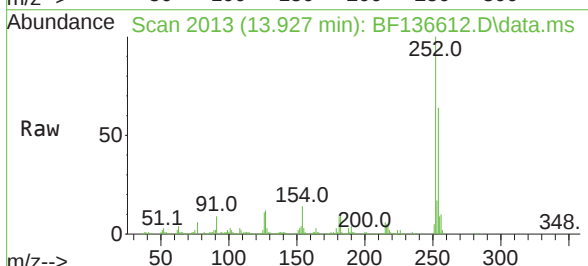
Manual Integrations  
APPROVED

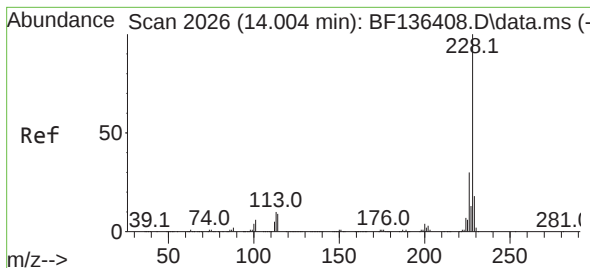
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 43.043 ng  
RT: 13.927 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:252 Resp: 246869  
Ion Ratio Lower Upper  
252 100  
254 64.1 50.8 76.2  
126 11.3 8.6 12.8





#83

Chrysene

Concen: 39.622 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.012 min

Lab File: BF136612.D

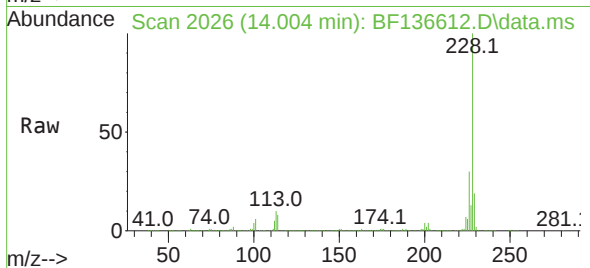
Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

PB157801BS



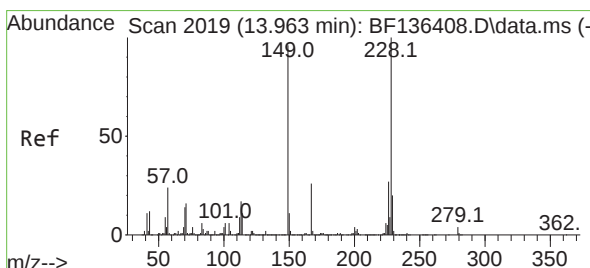
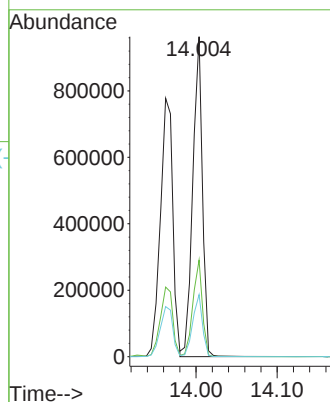
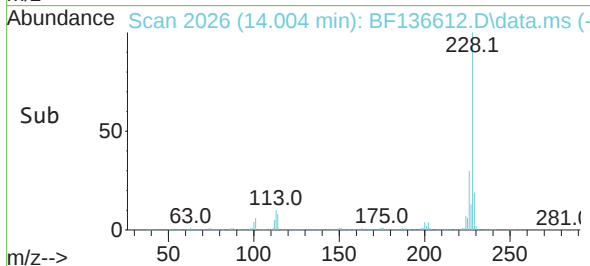
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 79742 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.2  | 23.8  | 35.6  |
| 229       | 19.4  | 14.8  | 22.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.680 ng

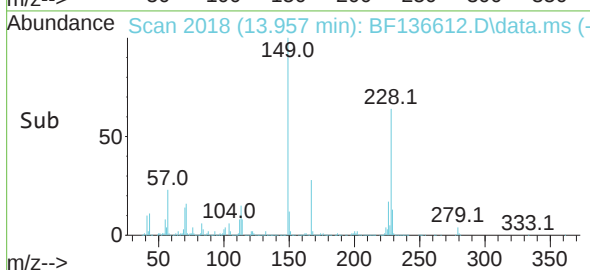
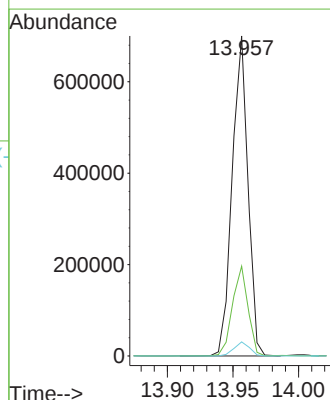
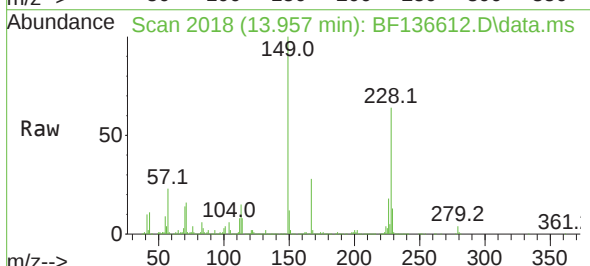
RT: 13.957 min Scan# 2018

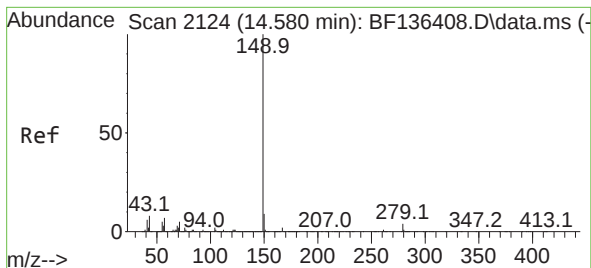
Delta R.T. 0.006 min

Lab File: BF136612.D

Acq: 18 Dec 2023 13:53

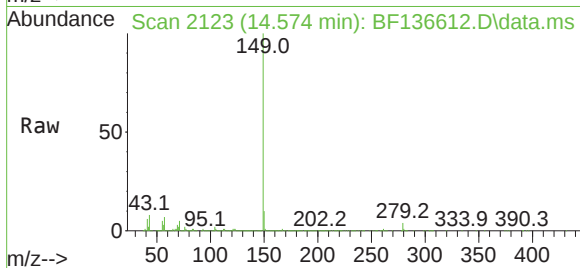
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 585895 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 28.1  | 21.2  | 31.8   |
| 279       | 4.4   | 3.1   | 4.7    |





#85  
Di-n-octyl phthalate  
Concen: 47.859 ng  
RT: 14.574 min Scan# 2124  
Delta R.T. 0.006 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

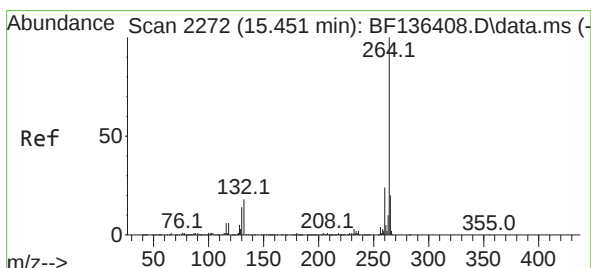
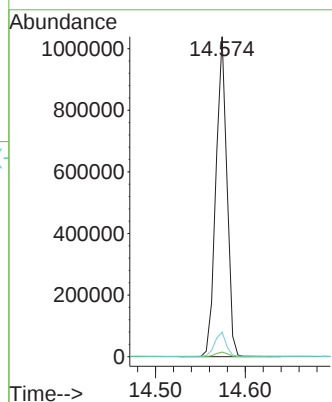
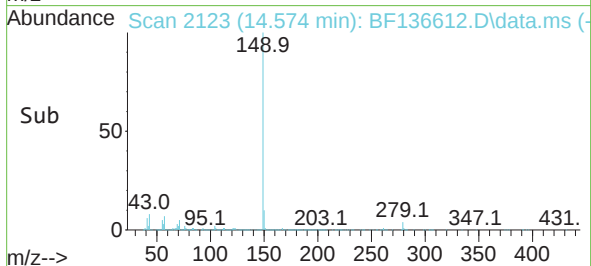
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



Tgt Ion:149 Resp: 887268  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.6 6.8 10.2

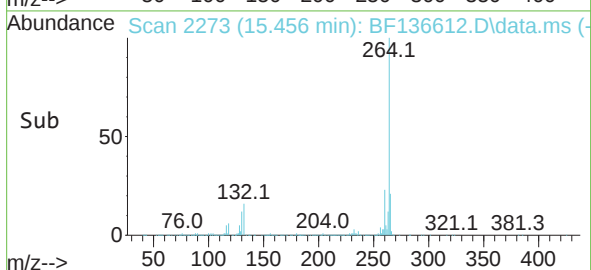
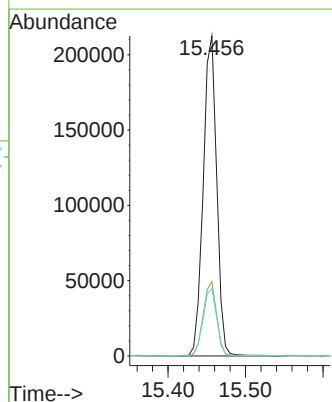
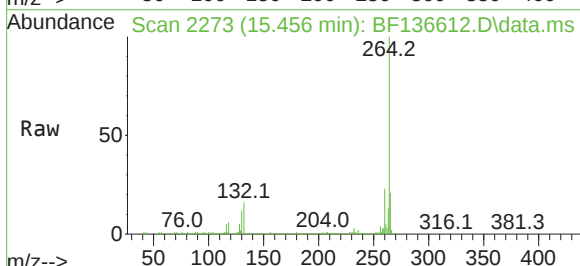
Manual Integrations  
APPROVED

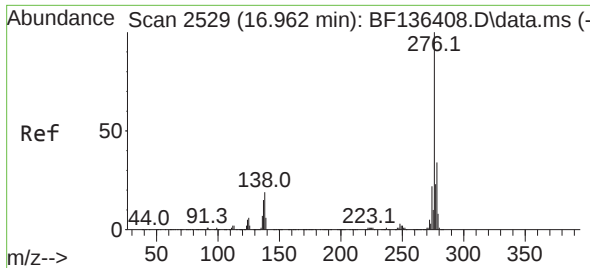
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.456 min Scan# 2273  
Delta R.T. 0.018 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

Tgt Ion:264 Resp: 256770  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.2 28.8  
265 21.1 15.9 23.9





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 51.576 ng  
 RT: 16.980 min Scan# 2198  
 Delta R.T. 0.035 min  
 Lab File: BF136612.D  
 Acq: 18 Dec 2023 13:53

Instrument :

BNA\_F

ClientSampleId :

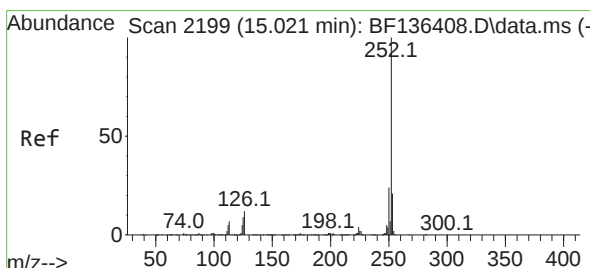
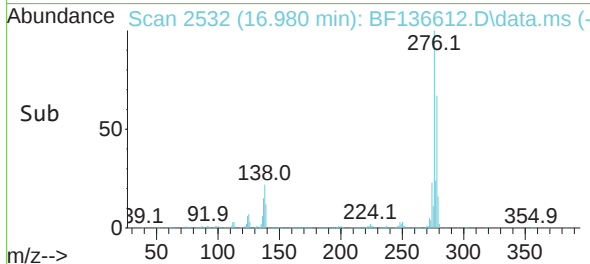
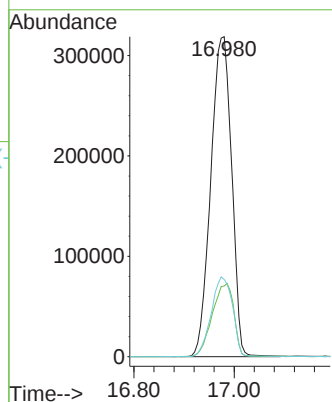
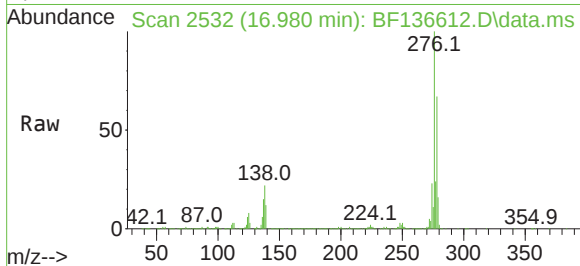
PB157801BS

Tgt Ion:276 Resp: 920038  
 Ion Ratio Lower Upper  
 276 100  
 138 23.7 19.0 28.4  
 277 25.5 20.0 30.0

Manual Integrations

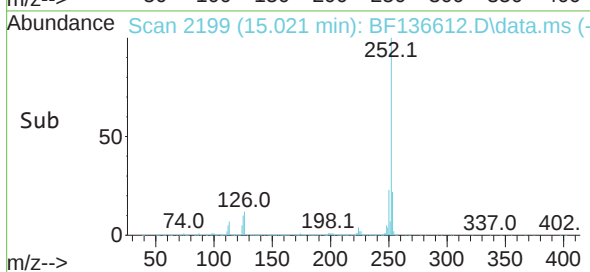
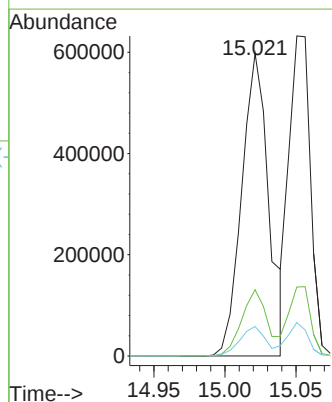
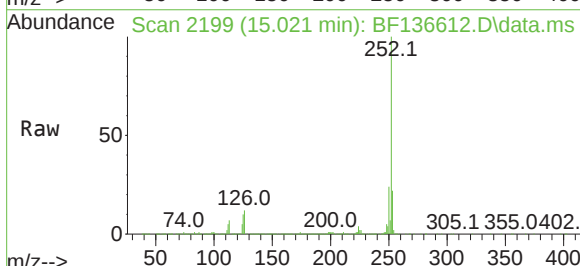
APPROVED

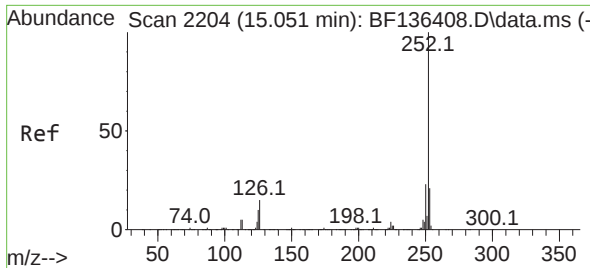
Reviewed By :Yogesh Patel 12/19/2023  
 Supervised By :mohammad ahmed 12/19/2023



#88  
 Benzo(b)fluoranthene  
 Concen: 45.100 ng  
 RT: 15.021 min Scan# 2199  
 Delta R.T. 0.012 min  
 Lab File: BF136612.D  
 Acq: 18 Dec 2023 13:53

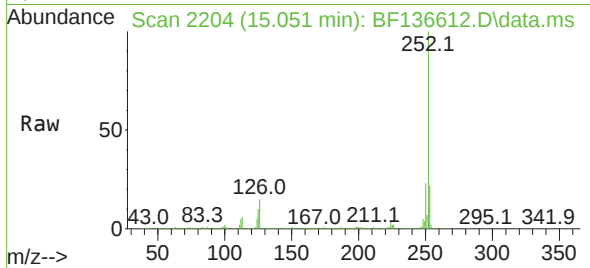
Tgt Ion:252 Resp: 791778  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 16.9 25.3  
 125 9.7 7.4 11.2





#89  
Benzo(k)fluoranthene  
Concen: 40.319 ng  
RT: 15.051 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

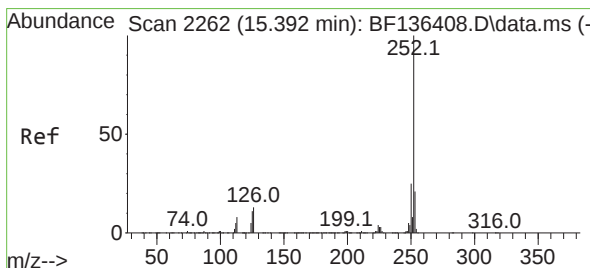
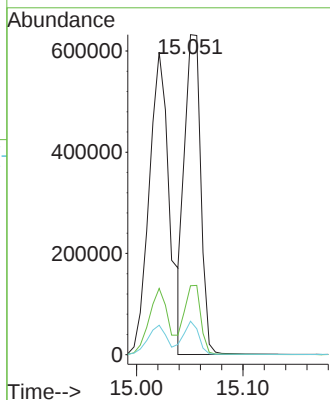
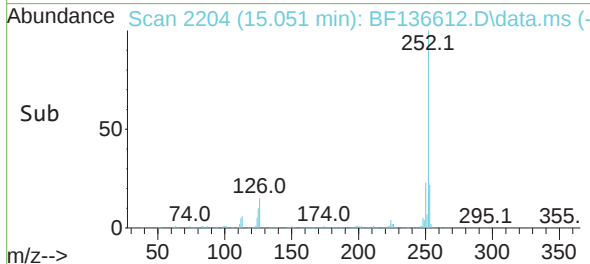
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



Tgt Ion:252 Resp: 66707  
Ion Ratio Lower Upper  
252 100  
253 21.6 16.9 25.3  
125 10.4 7.5 11.3

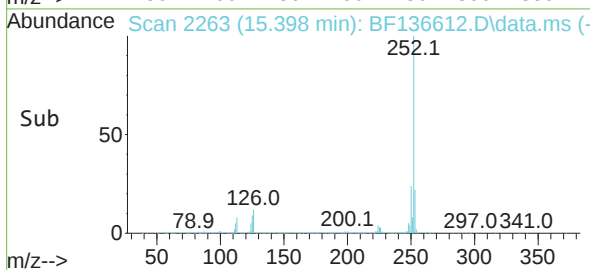
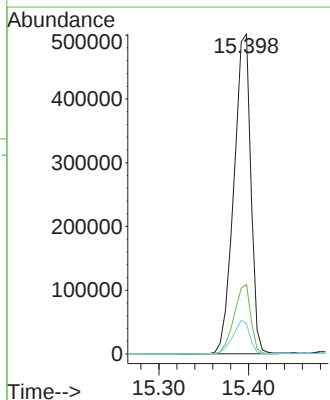
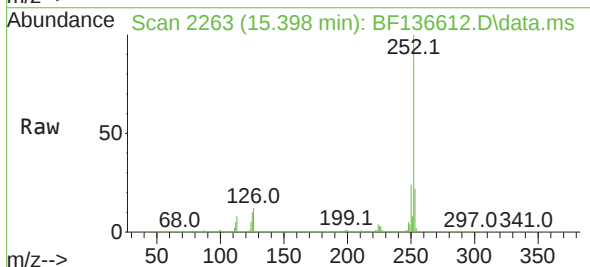
Manual Integrations  
APPROVED

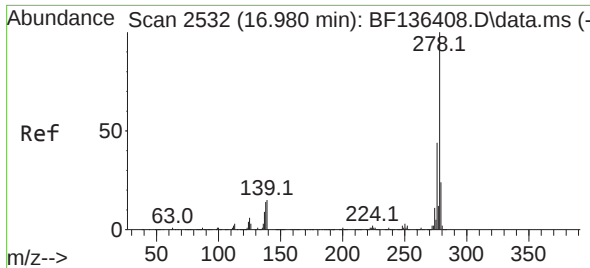
Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#90  
Benzo(a)pyrene  
Concen: 45.267 ng  
RT: 15.398 min Scan# 2263  
Delta R.T. 0.018 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

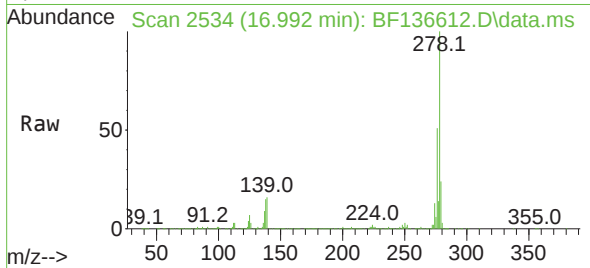
Tgt Ion:252 Resp: 656312  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.0 25.4  
125 9.5 8.6 13.0





#91  
Dibenzo(a,h)anthracene  
Concen: 52.631 ng  
RT: 16.992 min Scan# 2534  
Delta R.T. 0.029 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53

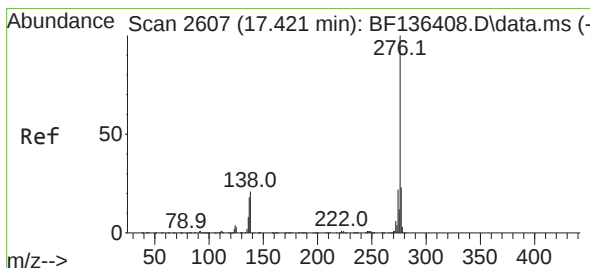
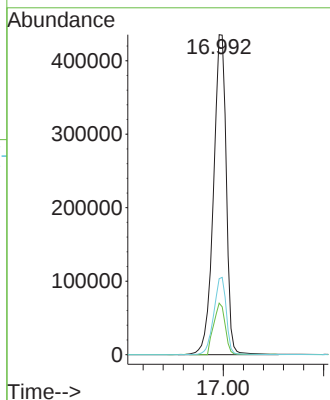
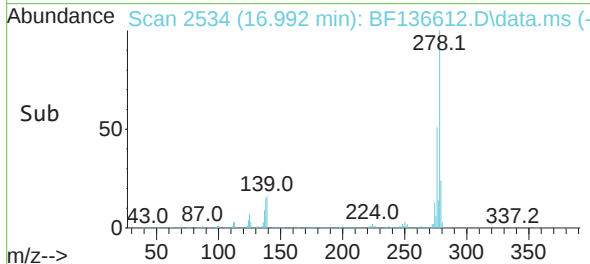
Instrument :  
BNA\_F  
ClientSampleId :  
PB157801BS



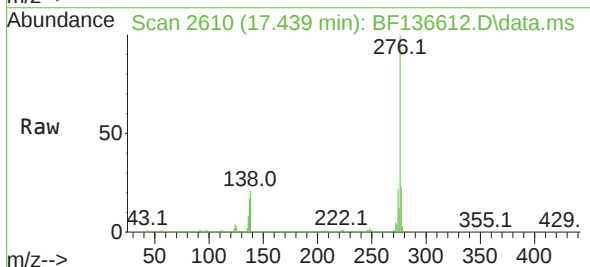
Tgt Ion:278 Resp: 76914  
Ion Ratio Lower Upper  
278 100  
139 16.1 12.2 18.4  
279 23.7 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/19/2023  
Supervised By :mohammad ahmed 12/19/2023



#92  
Benzo(g,h,i)perylene  
Concen: 51.061 ng  
RT: 17.439 min Scan# 2610  
Delta R.T. 0.035 min  
Lab File: BF136612.D  
Acq: 18 Dec 2023 13:53



Tgt Ion:276 Resp: 765900  
Ion Ratio Lower Upper  
276 100  
277 23.2 18.7 28.1  
138 21.0 16.6 25.0

