

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020223\  
 Data File : BF132310.D  
 Acq On : 03 Feb 2023 01:00  
 Operator : CG\JU  
 Sample : 01386-03MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JPP-9-013123MS

Quant Time: Feb 03 02:21:12 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 02 01:30:34 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/03/2023  
 Supervised By : Jagrut Upadhyay 02/03/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.066  | 152  | 176396   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.354  | 136  | 671460   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.119 | 164  | 310963   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.619 | 188  | 449471   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.289 | 240  | 257724   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.877 | 264  | 286822   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.696  | 112  | 988974   | 90.120 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.684  | 99   | 1208160  | 89.299 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.631  | 82   | 735965   | 60.993 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.913 | 330  | 274537   | 85.851 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.431  | 172  | 1322555  | 65.678 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.207 | 244  | 944308   | 70.877 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.072  | 88   | 220830   | 42.766 | ng    | 96       |
| 3) Pyridine                   | 3.807  | 79   | 544218   | 38.849 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.772  | 42   | 183256   | 40.883 | ng    | 98       |
| 6) Aniline                    | 6.725  | 93   | 354963m  | 19.334 | ng    |          |
| 8) 2-Chlorophenol             | 6.848  | 128  | 570573   | 50.200 | ng    | 96       |
| 9) Benzaldehyde               | 6.619  | 77   | 338731   | 48.013 | ng    | 98       |
| 10) Phenol                    | 6.696  | 94   | 632208   | 45.146 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.796  | 93   | 539128   | 46.780 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.007  | 146  | 608209   | 50.595 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.084  | 146  | 604816   | 50.404 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.237  | 146  | 583211   | 52.116 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.201  | 79   | 434207   | 43.984 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.337  | 45   | 532343   | 43.842 | ng    | 94       |
| 17) 2-Methylphenol            | 7.307  | 107  | 439064   | 44.131 | ng    | 99       |
| 18) Hexachloroethane          | 7.584  | 117  | 227921   | 50.632 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.472  | 70   | 311078   | 40.479 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.460  | 107  | 552730   | 43.527 | ng    | 94       |
| 22) Acetophenone              | 7.472  | 105  | 697016   | 44.141 | ng    | 99       |
| 24) Nitrobenzene              | 7.648  | 77   | 522837   | 42.413 | ng    | 97       |
| 25) Isophorone                | 7.884  | 82   | 1000088  | 43.668 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.966  | 139  | 301599   | 50.229 | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.995  | 122  | 495883   | 47.182 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 8.090  | 93   | 649618   | 46.158 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.207  | 162  | 444507   | 47.638 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.290  | 180  | 491591   | 49.198 | ng    | 98       |
| 31) Naphthalene               | 8.378  | 128  | 1532945  | 46.381 | ng    | 99       |
| 32) Benzoic acid              | 8.078  | 122  | 271332m  | 34.878 | ng    |          |
| 33) 4-Chloroaniline           | 8.413  | 127  | 139502   | 9.518  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.490  | 225  | 284213   | 50.596 | ng    | 99       |
| 35) Caprolactam               | 8.795  | 113  | 140356   | 44.122 | ng    | 89       |
| 36) 4-Chloro-3-methylphenol   | 8.895  | 107  | 455441   | 45.306 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 9.072  | 142  | 988880   | 44.171 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.172  | 142  | 909927   | 43.736 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.237  | 216  | 447796   | 51.172 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.219  | 237  | 342276   | 67.040 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.342  | 196  | 307938   | 49.228 | ng    | 99       |

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 Response via : Initial Calibration

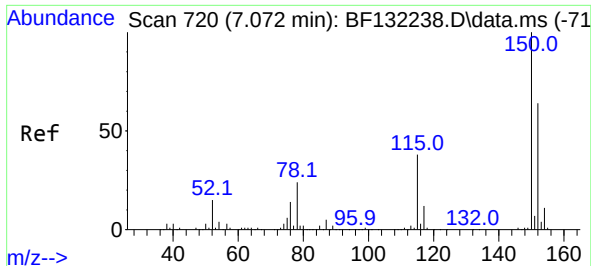
Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023  
 Supervised By : Jagrut Upadhyay 02/03/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.384  | 196  | 320229   | 44.477  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.537  | 154  | 1178484  | 49.158  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.560  | 162  | 898780   | 49.223  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.654  | 65   | 220678   | 40.637  | ng    | # 81     |
| 49) Acenaphthylene            | 9.984  | 152  | 1378520  | 46.258  | ng    | 100      |
| 50) Dimethylphthalate         | 9.831  | 163  | 1046817  | 48.125  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.895  | 165  | 231772   | 47.709  | ng    | # 87     |
| 52) Acenaphthene              | 10.154 | 154  | 887743   | 47.582  | ng    | 99       |
| 53) 3-Nitroaniline            | 10.066 | 138  | 136617   | 23.189  | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 10.166 | 184  | 89848    | 34.507  | ng    | # 76     |
| 55) Dibenzofuran              | 10.325 | 168  | 1205462  | 45.986  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.213 | 139  | 324498   | 73.196  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.301 | 165  | 282551   | 44.774  | ng    | 89       |
| 58) Fluorene                  | 10.672 | 166  | 901348   | 44.678  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.436 | 232  | 224146   | 42.704  | ng    | 98       |
| 60) Diethylphthalate          | 10.531 | 149  | 1015613  | 46.934  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.660 | 204  | 438914   | 45.843  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.684 | 138  | 166978   | 29.556  | ng    | 98       |
| 63) Azobenzene                | 10.819 | 77   | 911472   | 43.243  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.707 | 198  | 74592    | 29.240  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.778 | 169  | 772431   | 54.882  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.154 | 248  | 266755   | 57.958  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.225 | 284  | 272334   | 55.359  | ng    | # 90     |
| 69) Atrazine                  | 11.301 | 200  | 243382   | 60.119  | ng    | 98       |
| 70) Pentachlorophenol         | 11.413 | 266  | 251703   | 74.467  | ng    | 98       |
| 71) Phenanthrene              | 11.648 | 178  | 1849915  | 78.762  | ng    | 100      |
| 72) Anthracene                | 11.695 | 178  | 1349773  | 56.469  | ng    | 100      |
| 73) Carbazole                 | 11.848 | 167  | 963830   | 44.971  | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.166 | 149  | 1328493  | 52.431  | ng    | 100      |
| 75) Fluoranthene              | 12.848 | 202  | 2397068  | 100.010 | ng    | 97       |
| 77) Benzidine                 | 12.960 | 184  | 372991   | 41.396  | ng    | 98       |
| 78) Pyrene                    | 13.083 | 202  | 2675806  | 129.086 | ng    | 97       |
| 80) Butylbenzylphthalate      | 13.683 | 149  | 469271   | 51.240  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.277 | 228  | 1913494  | 106.154 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 14.230 | 252  | 204001   | 35.533  | ng    | 99       |
| 83) Chrysene                  | 14.313 | 228  | 1598077  | 94.680  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.242 | 149  | 673755   | 54.427  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.877 | 149  | 1201084  | 59.486  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.542 | 276  | 1538553  | 80.729  | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 15.407 | 252  | 2440799m | 133.877 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.436 | 252  | 1109578  | 63.759  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.818 | 252  | 1910932  | 112.558 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.554 | 278  | 814296   | 53.143  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 18.048 | 276  | 1348344  | 85.178  | ng    | 98       |

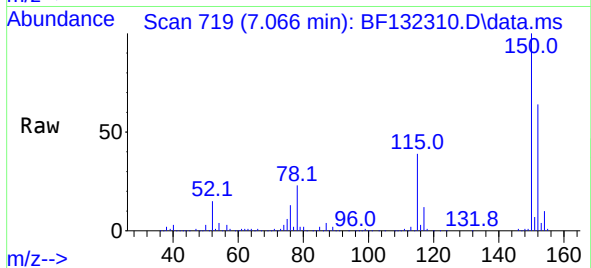
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.066 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

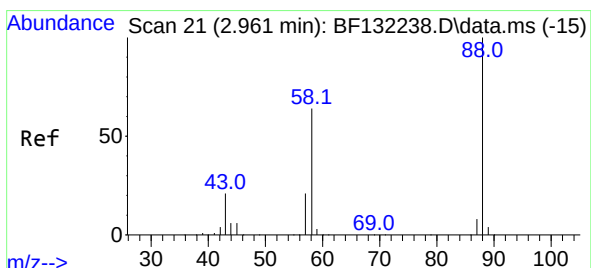
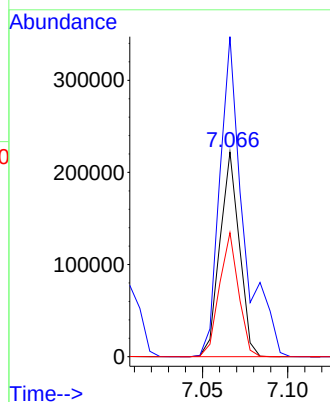
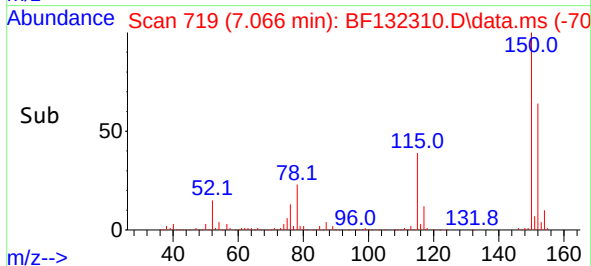
Instrument :  
BNA\_F  
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JPP-9-013123MS



Tgt Ion:152 Resp: 176390  
Ion Ratio Lower Upper  
152 100  
150 156.3 124.2 186.2  
115 60.6 47.3 70.9

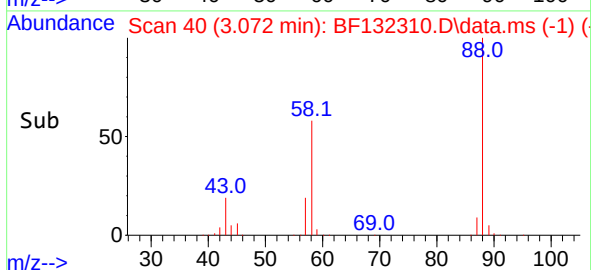
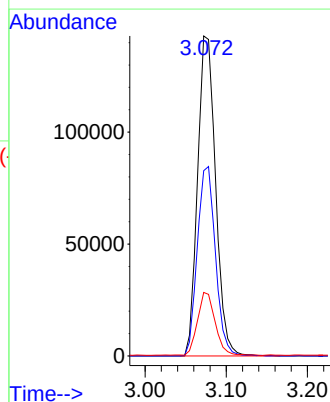
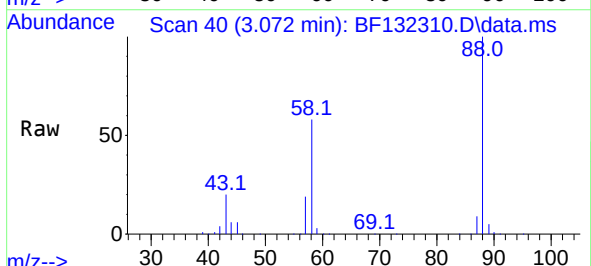
Manual Integrations  
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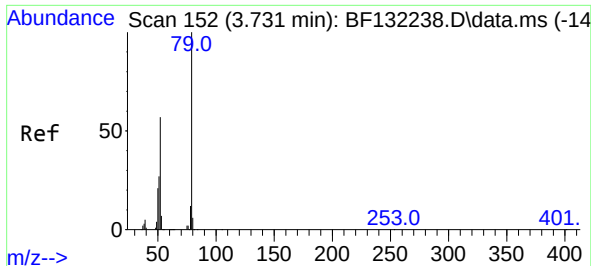
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Supervised By :Jagrut Upadhyay 02/03/2023



#2  
1,4-Dioxane  
Concen: 42.766 ng  
RT: 3.072 min Scan# 40  
Delta R.T. 0.112 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

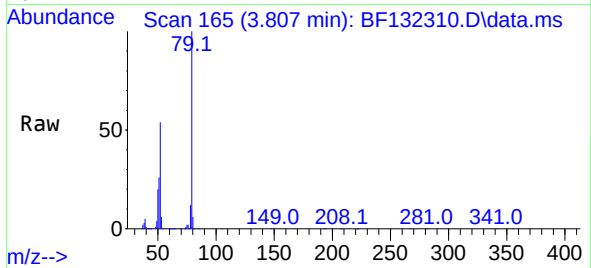
Tgt Ion: 88 Resp: 220830  
Ion Ratio Lower Upper  
88 100  
58 59.6 50.2 75.2  
43 19.5 16.9 25.3





#3  
Pyridine  
Concen: 38.849 ng  
RT: 3.807 min Scan# 10  
Delta R.T. 0.076 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

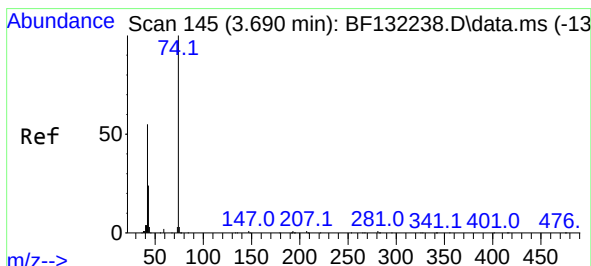
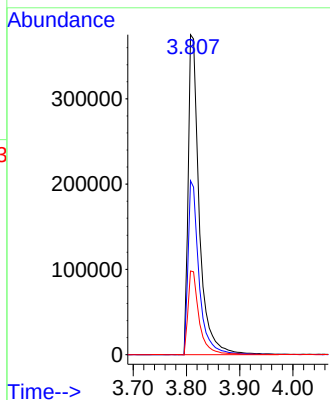
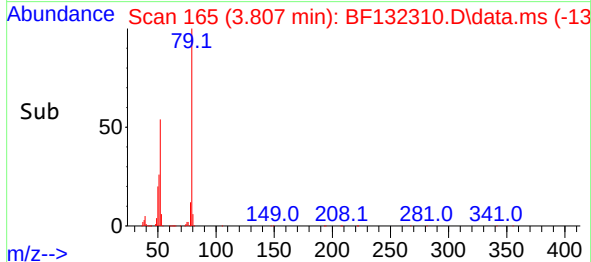
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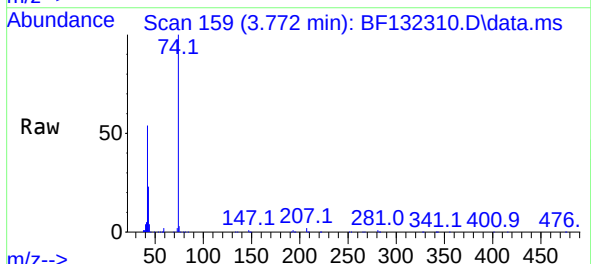
Tgt Ion: 79 Resp: 544218  
Ion Ratio Lower Upper  
79 100  
52 54.4 45.6 68.4  
51 26.2 21.5 32.3

Manual Integrations  
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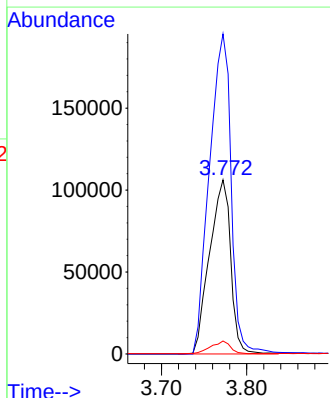
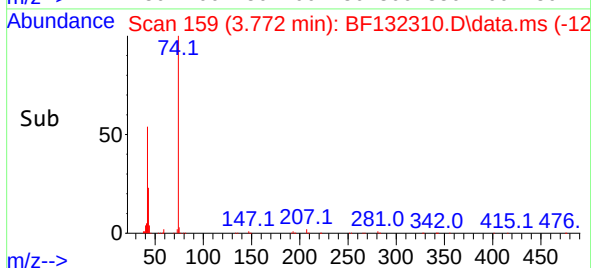
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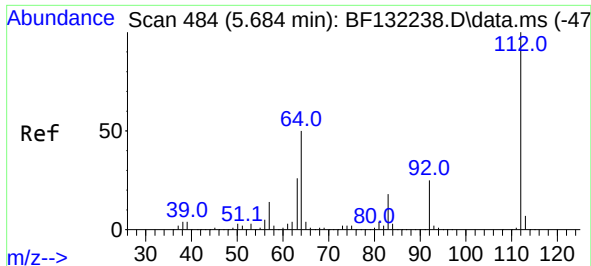


#4  
n-Nitrosodimethylamine  
Concen: 40.883 ng  
RT: 3.772 min Scan# 159  
Delta R.T. 0.082 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



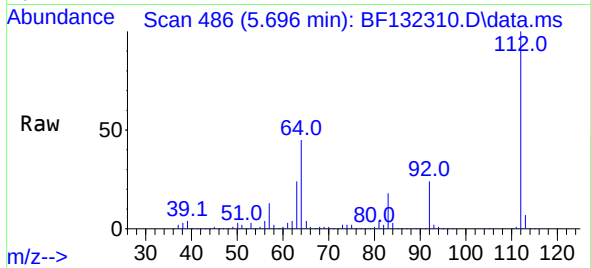
Tgt Ion: 42 Resp: 183256  
Ion Ratio Lower Upper  
42 100  
74 183.8 144.6 217.0  
44 7.5 5.1 7.7





#5  
2-Fluorophenol  
Concen: 90.120 ng  
RT: 5.696 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

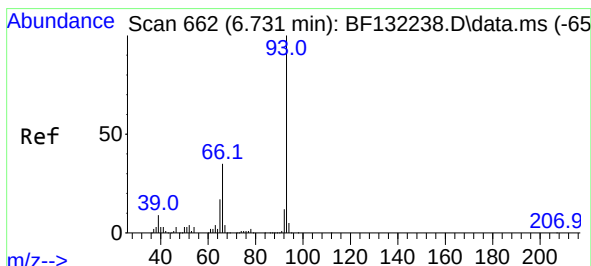
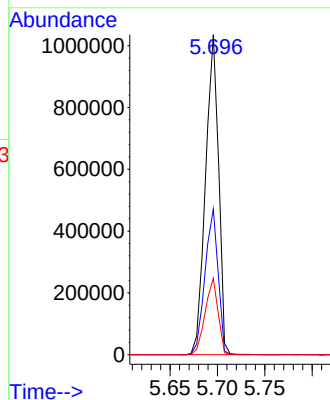
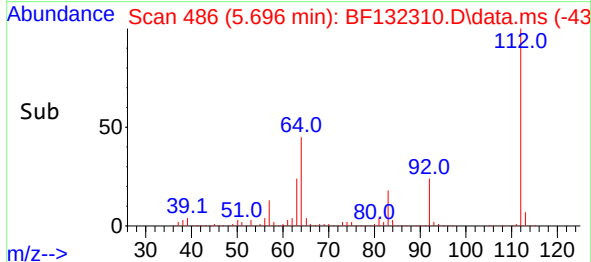
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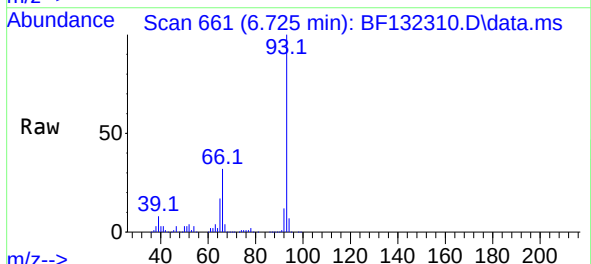
Tgt Ion:112 Resp: 988974  
Ion Ratio Lower Upper  
112 100  
64 45.5 40.0 60.0  
63 23.9 20.5 30.7

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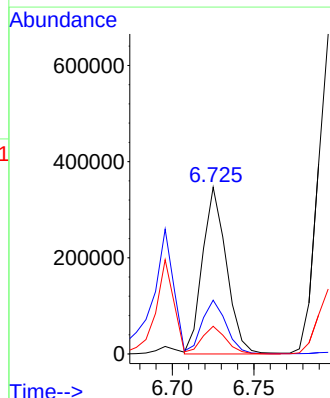
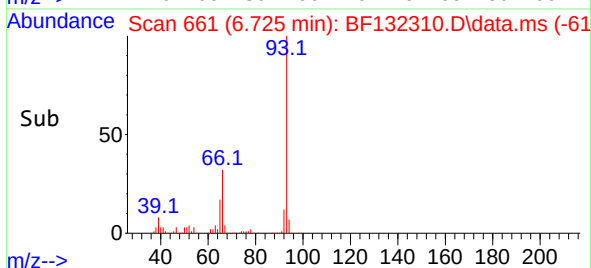
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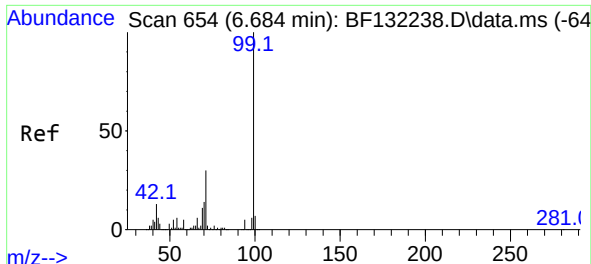


#6  
Aniline  
Concen: 19.334 ng m  
RT: 6.725 min Scan# 661  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



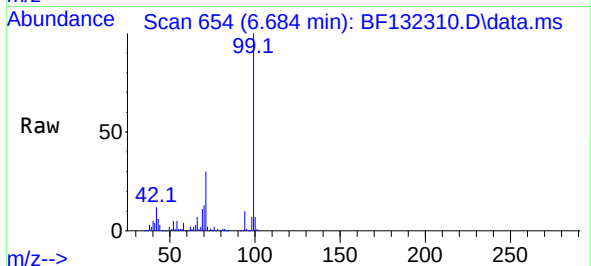
Tgt Ion: 93 Resp: 354963  
Ion Ratio Lower Upper  
93 100  
66 32.3 28.8 43.2  
65 16.6 14.2 21.4





#7  
Phenol-d6  
Concen: 89.299 ng  
RT: 6.684 min Scan# 610  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

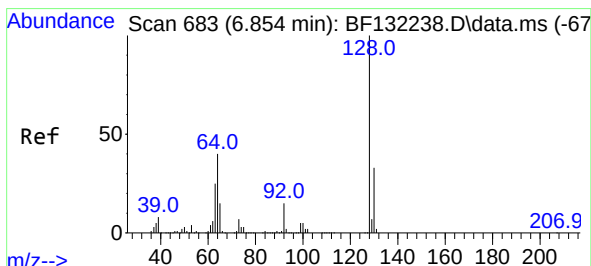
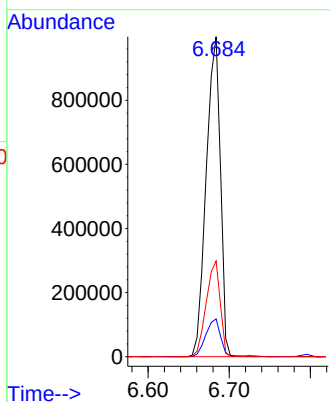
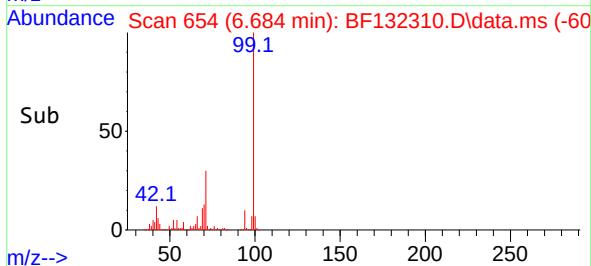
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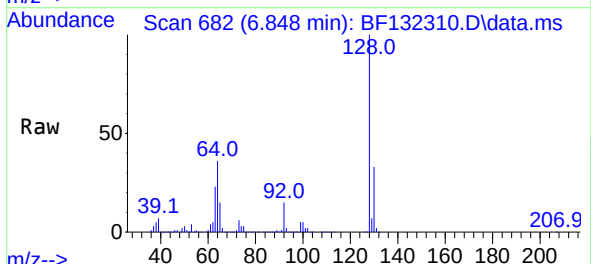
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Ion Ratio Lower Upper  
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42 11.8 10.1 15.1  
71 29.9 24.2 36.4

Manual Integrations  
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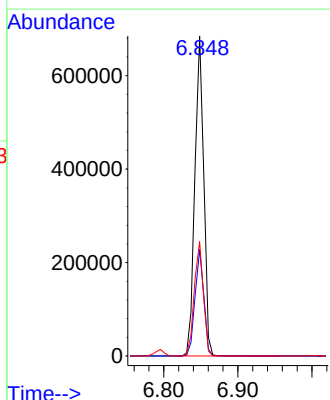
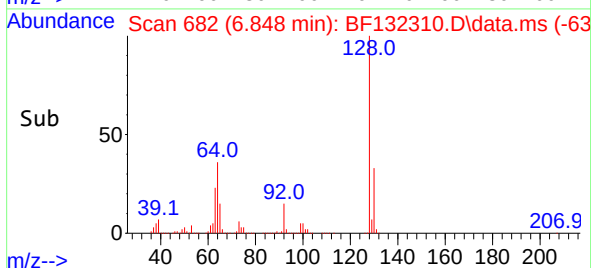
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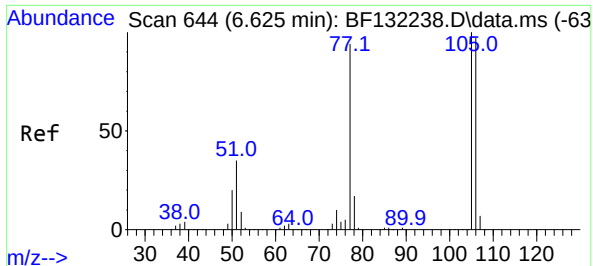


#8  
2-Chlorophenol  
Concen: 50.200 ng  
RT: 6.848 min Scan# 682  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:128 Resp: 570573  
Ion Ratio Lower Upper  
128 100  
130 33.2 13.3 53.3  
64 35.8 20.1 60.1





#9  
Benzaldehyde  
Concen: 48.013 ng  
RT: 6.619 min Scan# 644  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

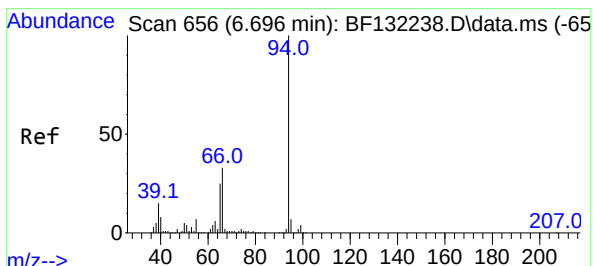
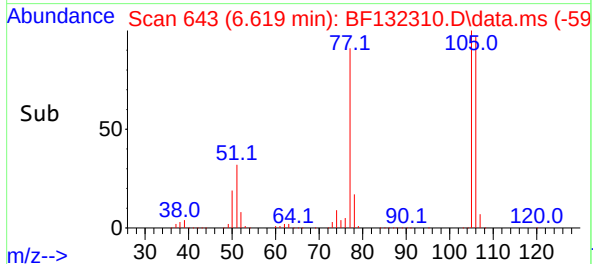
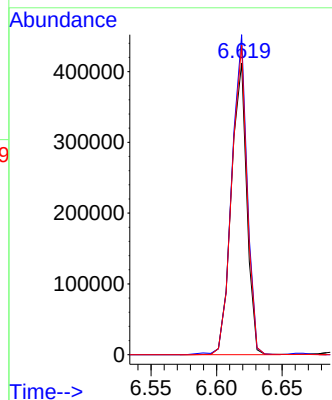
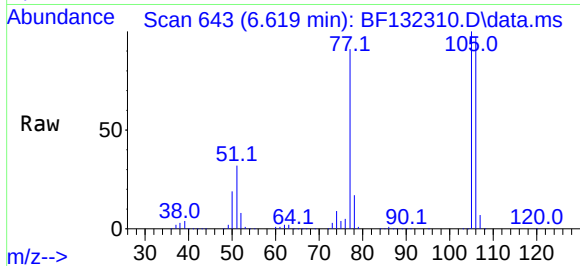
JPP-9-013123MS

Tgt Ion: 77 Resp: 33873  
Ion Ratio Lower Upper  
77 100  
105 109.7 86.8 126.8  
106 106.0 83.8 123.8

Manual Integrations

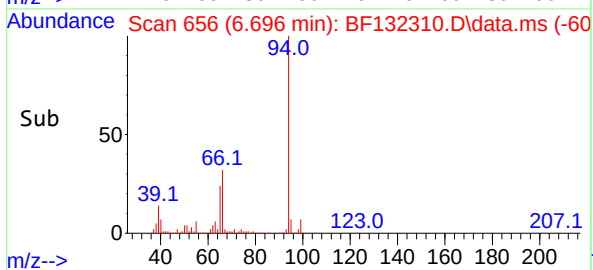
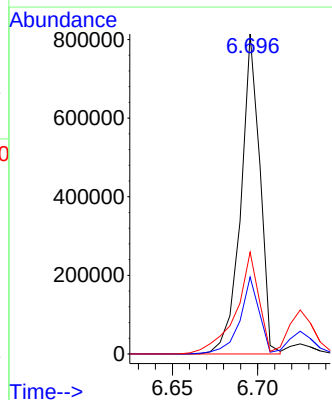
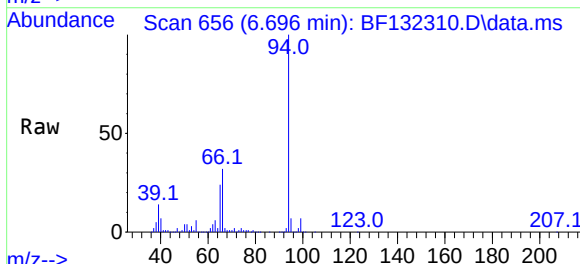
APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

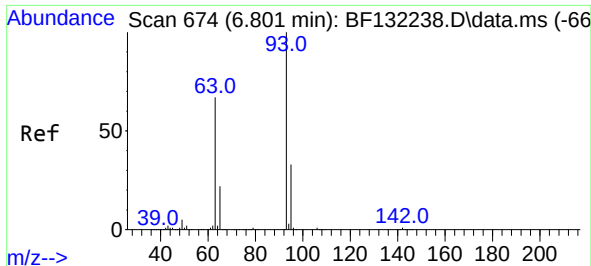


#10  
Phenol  
Concen: 45.146 ng  
RT: 6.696 min Scan# 656  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion: 94 Resp: 632208  
Ion Ratio Lower Upper  
94 100  
65 24.1 5.1 45.1  
66 31.9 13.0 53.0







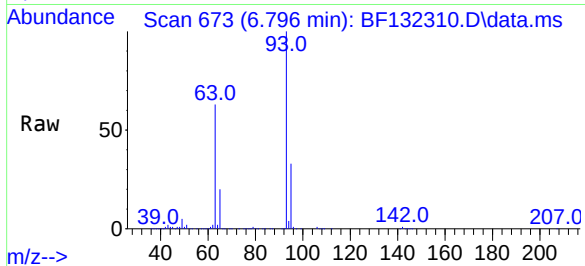
#11  
bis(2-Chloroethyl)ether  
Concen: 46.780 ng  
RT: 6.796 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

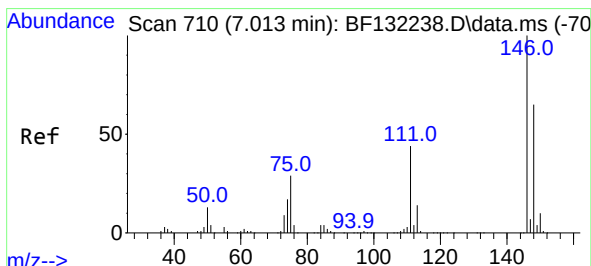
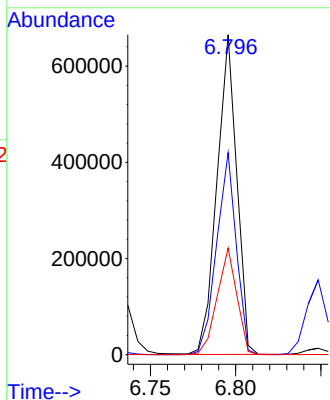
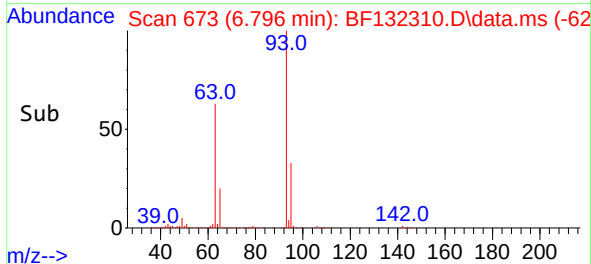


Tgt Ion: 93 Resp: 539128  
Ion Ratio Lower Upper  
93 100  
63 63.1 46.7 86.7  
95 33.4 13.4 53.4

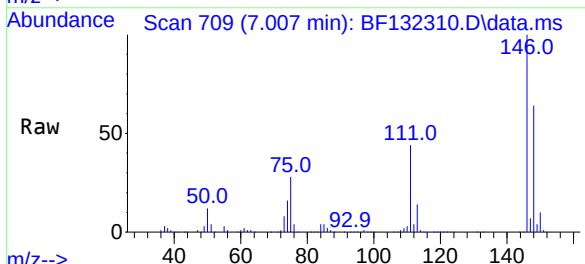
Manual Integrations

APPROVED

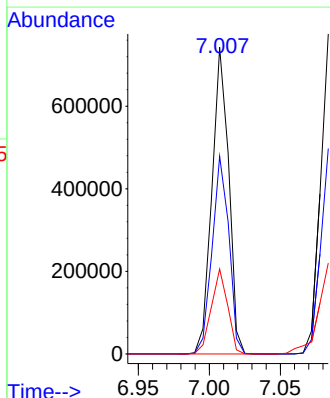
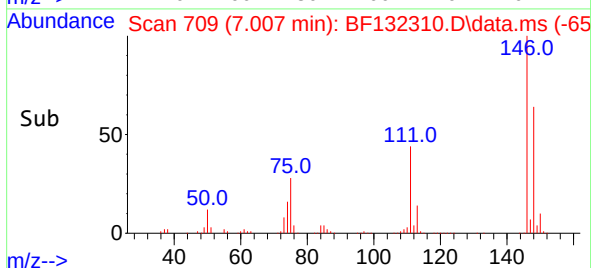
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

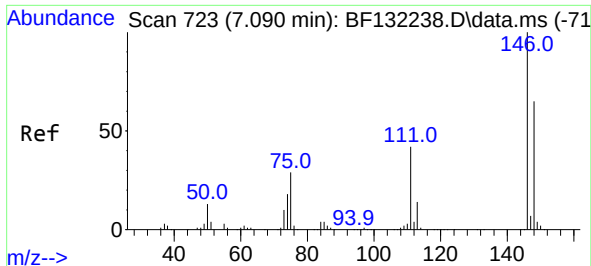


#12  
1,3-Dichlorobenzene  
Concen: 50.595 ng  
RT: 7.007 min Scan# 709  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:146 Resp: 608209  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.8 77.8  
75 27.7 23.5 35.3





#13

1,4-Dichlorobenzene

Concen: 50.404 ng

RT: 7.084 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF132310.D

Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

Tgt Ion:146 Resp: 604810

Ion Ratio Lower Upper

146 100

148 64.2 52.4 78.6

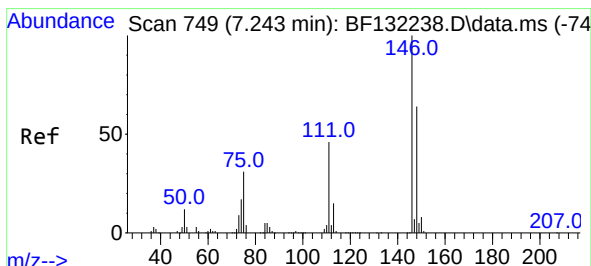
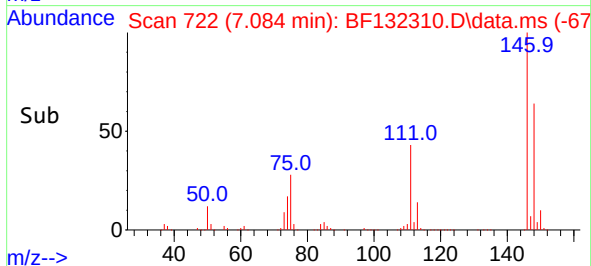
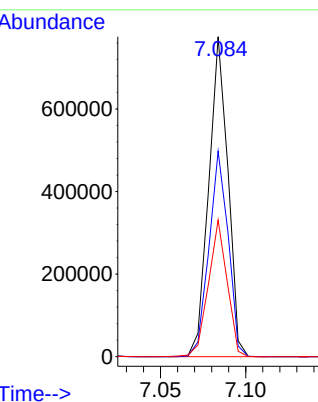
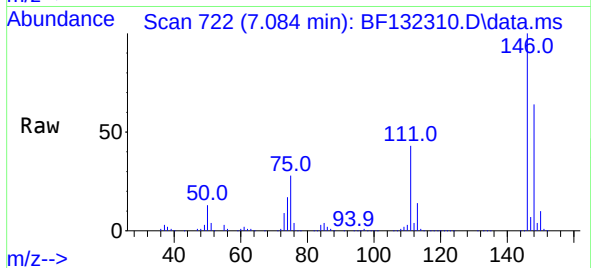
111 42.7 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#14

1,2-Dichlorobenzene

Concen: 52.116 ng

RT: 7.237 min Scan# 748

Delta R.T. -0.006 min

Lab File: BF132310.D

Acq: 03 Feb 2023 01:00

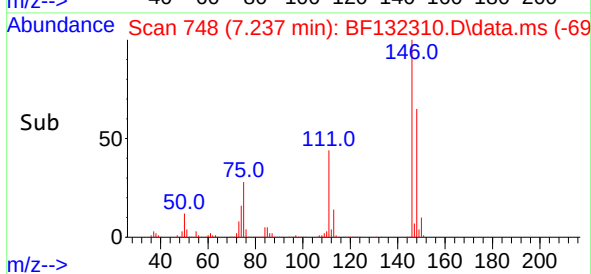
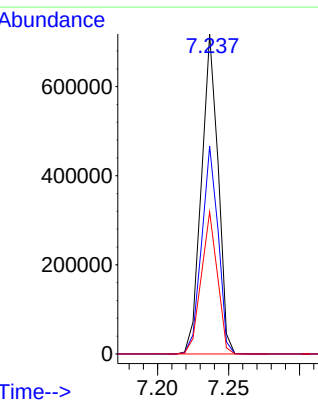
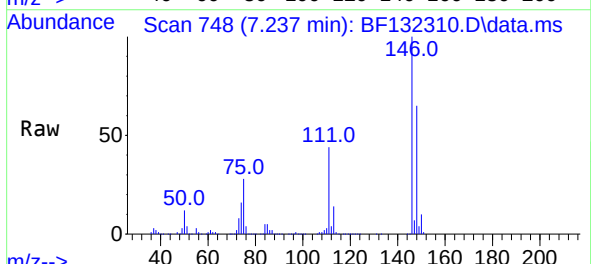
Tgt Ion:146 Resp: 583211

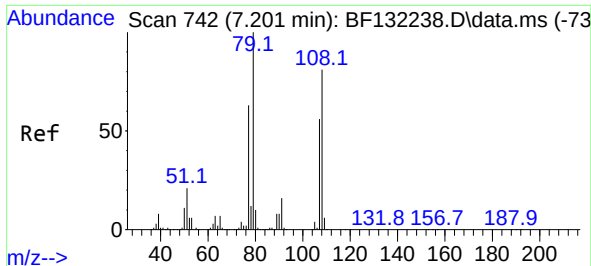
Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.0

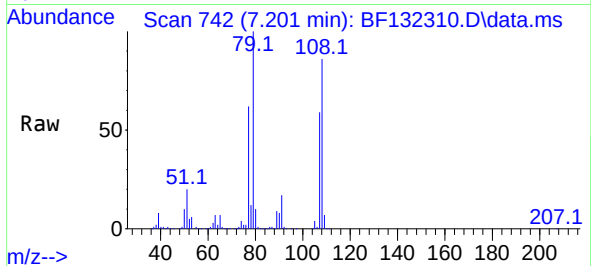
111 44.4 37.1 55.7





#15  
Benzyl Alcohol  
Concen: 43.984 ng  
RT: 7.201 min Scan# 742  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

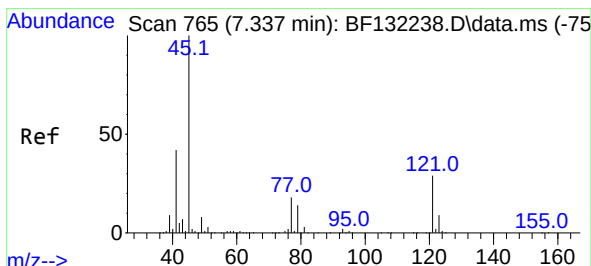
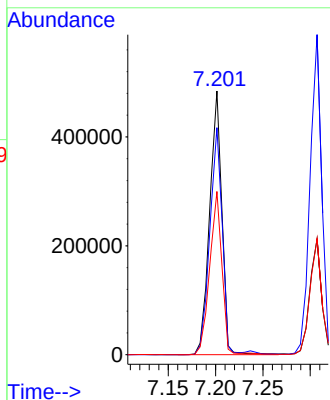
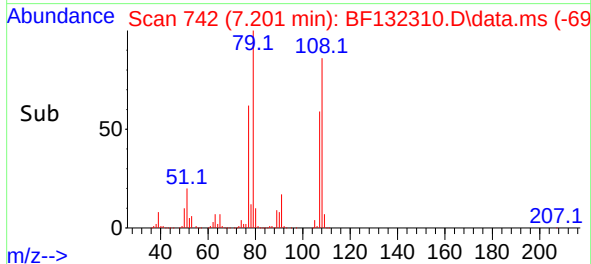
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



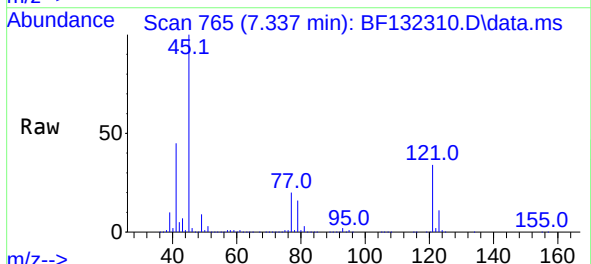
Tgt Ion: 79 Resp: 43420  
Ion Ratio Lower Upper  
79 100  
108 86.1 64.6 97.0  
77 61.9 50.1 75.1

Manual Integrations  
APPROVED

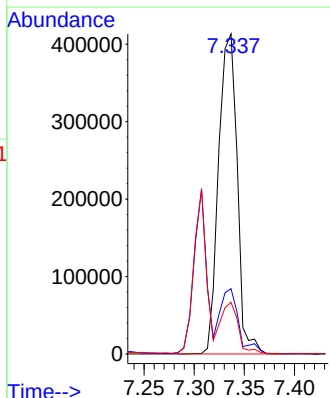
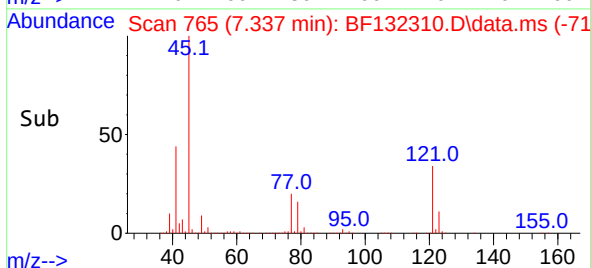
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

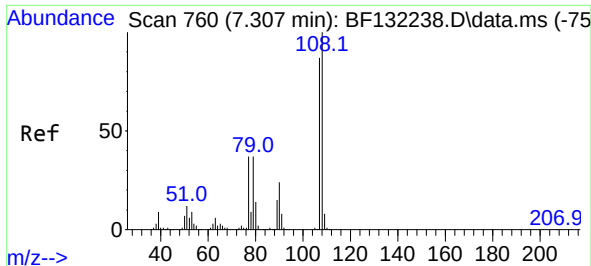


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.842 ng  
RT: 7.337 min Scan# 765  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion: 45 Resp: 532343  
Ion Ratio Lower Upper  
45 100  
77 20.4 0.0 38.0  
79 16.2 0.0 33.8





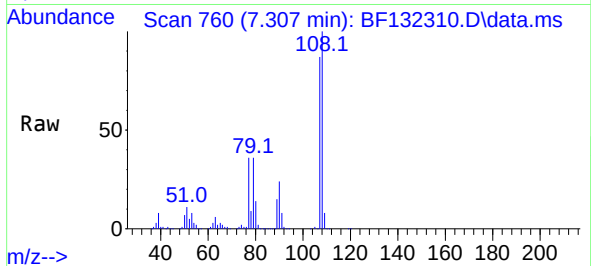
#17  
2-Methylphenol  
Concen: 44.131 ng  
RT: 7.307 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

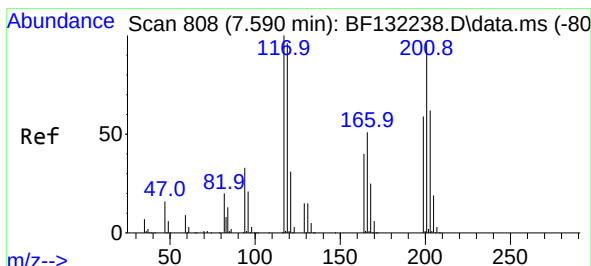
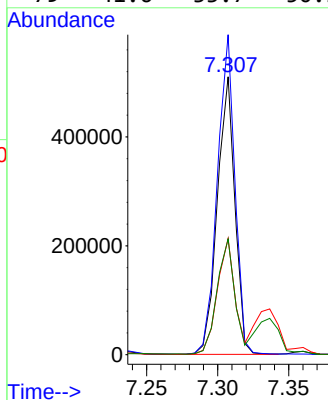
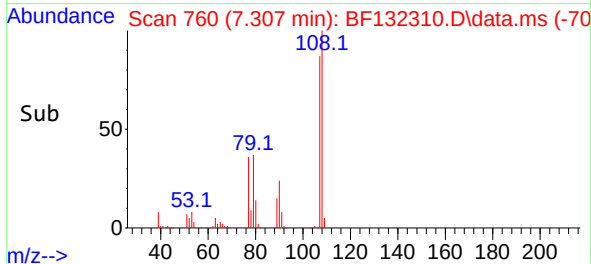


Tgt Ion:107 Resp: 439064  
Ion Ratio Lower Upper  
107 100  
108 115.1 91.8 137.6  
77 41.8 34.2 51.2  
79 41.6 33.7 50.5

Manual Integrations

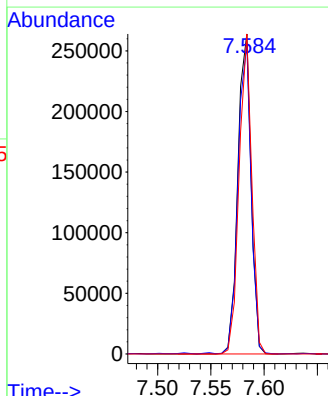
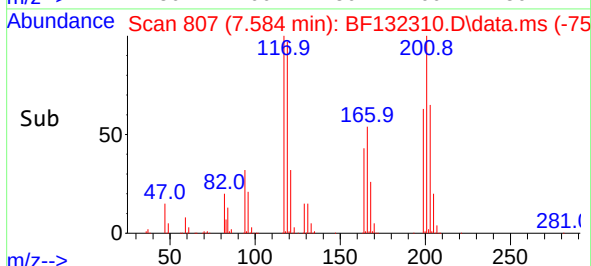
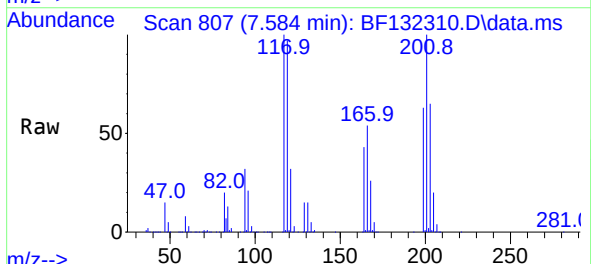
APPROVED

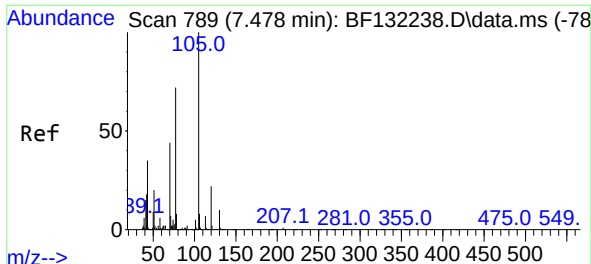
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#18  
Hexachloroethane  
Concen: 50.632 ng  
RT: 7.584 min Scan# 807  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:117 Resp: 227921  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.7 115.1  
201 100.0 76.6 114.8





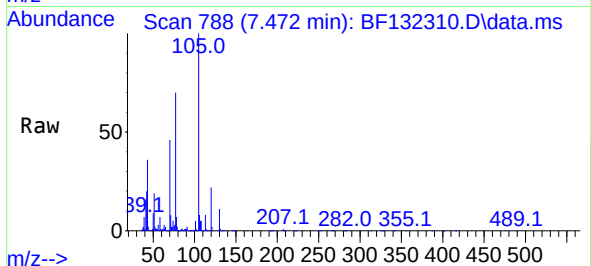
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.479 ng  
RT: 7.472 min Scan# 789  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

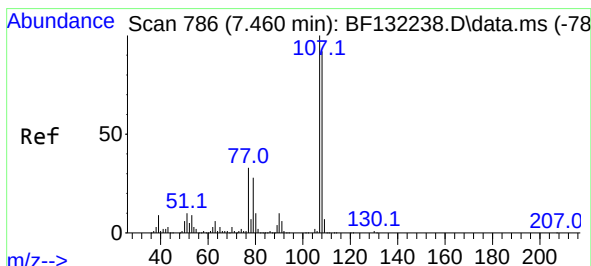
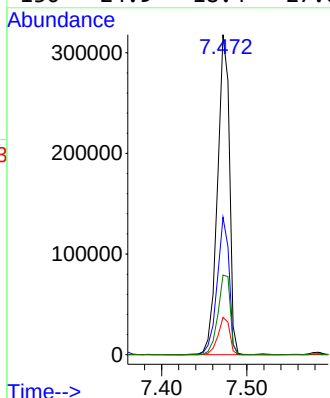
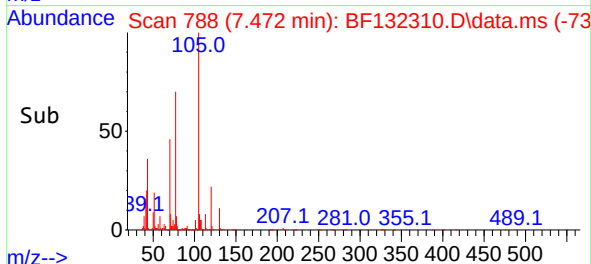


Tgt Ion: 70 Resp: 311078  
Ion Ratio Lower Upper  
70 100  
42 43.0 33.4 50.0  
101 11.7 8.2 12.4  
130 24.9 18.4 27.6

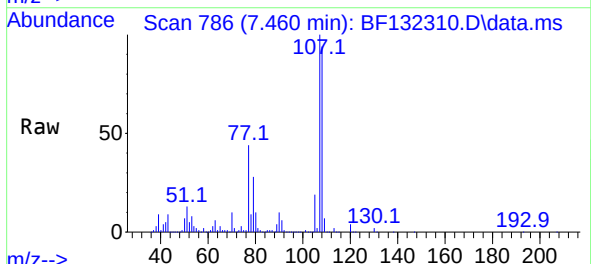
Manual Integrations

APPROVED

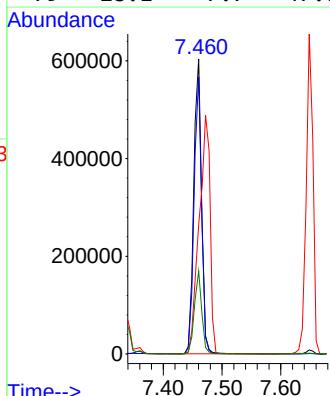
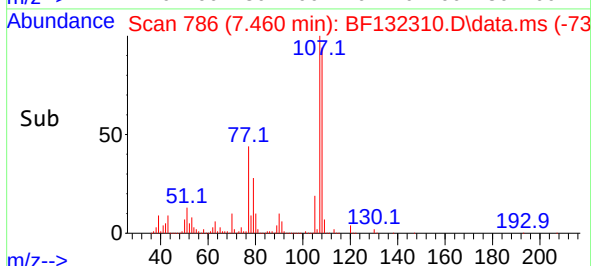
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

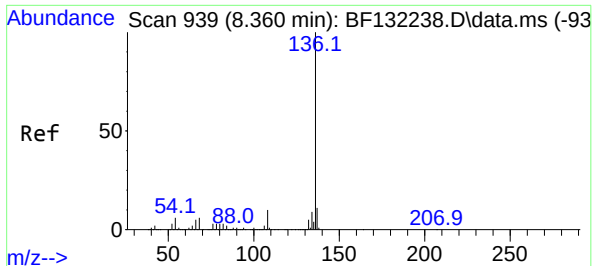


#20  
3+4-Methylphenols  
Concen: 43.527 ng  
RT: 7.460 min Scan# 786  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:107 Resp: 552730  
Ion Ratio Lower Upper  
107 100  
108 93.9 71.6 111.6  
77 43.9 13.4 53.4  
79 28.1 7.7 47.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.354 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

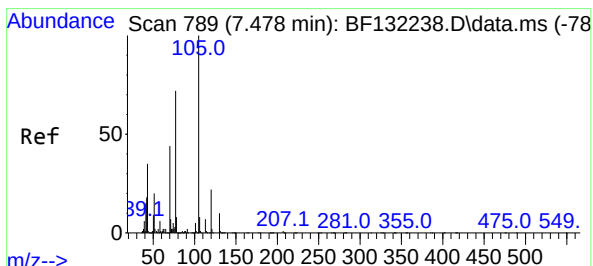
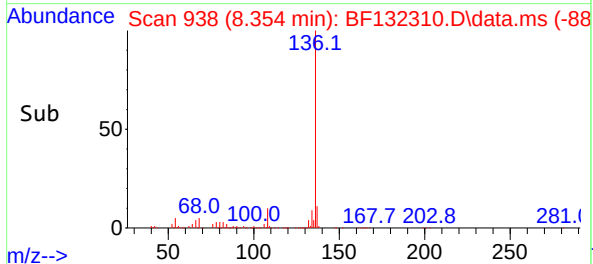
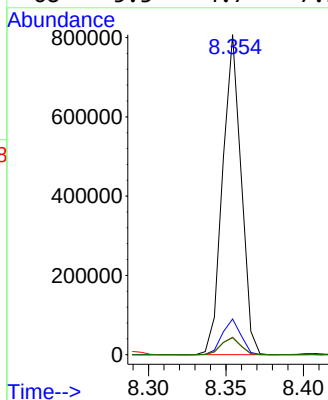
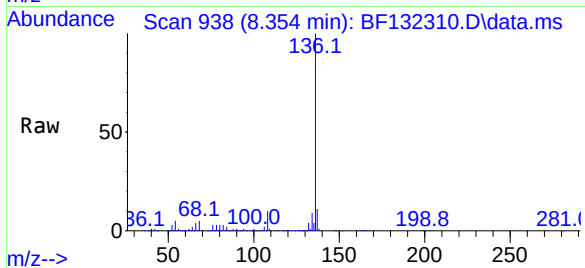
JPP-9-013123MS

Tgt Ion:136 Resp: 671460  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 5.5 4.9 7.3  
68 5.3 4.7 7.1

Manual Integrations

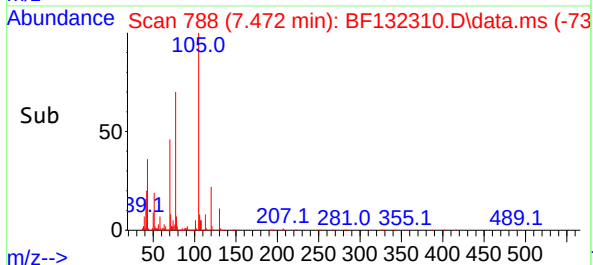
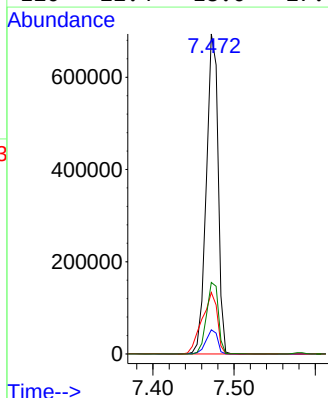
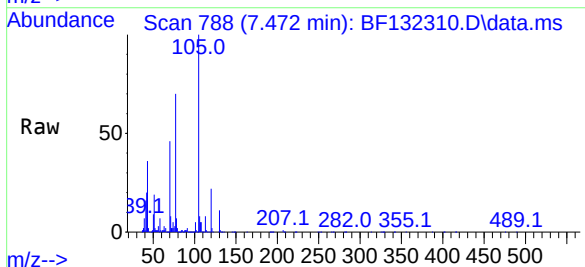
APPROVED

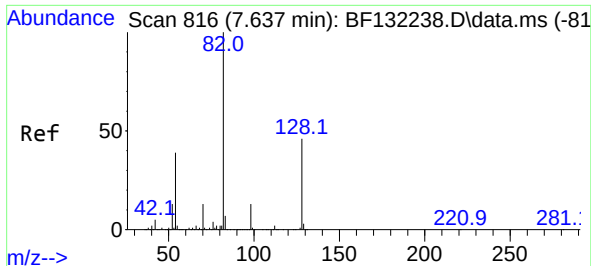
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#22  
Acetophenone  
Concen: 44.141 ng  
RT: 7.472 min Scan# 788  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

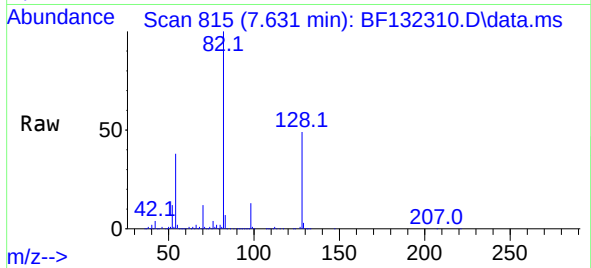
Tgt Ion:105 Resp: 697016  
Ion Ratio Lower Upper  
105 100  
71 7.5 5.8 8.6  
51 19.2 16.2 24.2  
120 22.4 18.0 27.0





#23  
Nitrobenzene-d5  
Concen: 60.993 ng  
RT: 7.631 min Scan# 815  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

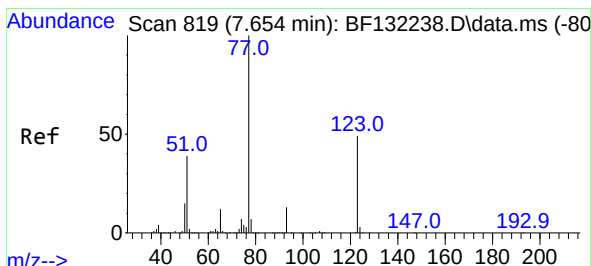
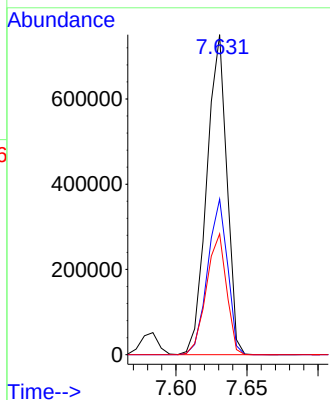
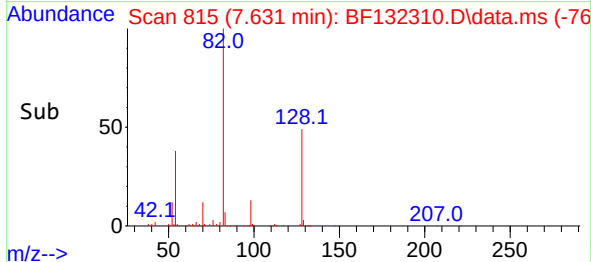
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



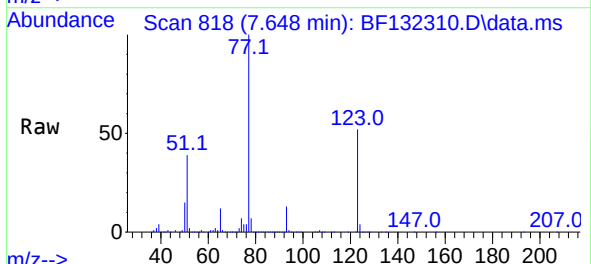
Tgt Ion: 82 Resp: 73596  
Ion Ratio Lower Upper  
82 100  
128 48.6 37.0 55.4  
54 37.7 31.5 47.3

Manual Integrations  
APPROVED

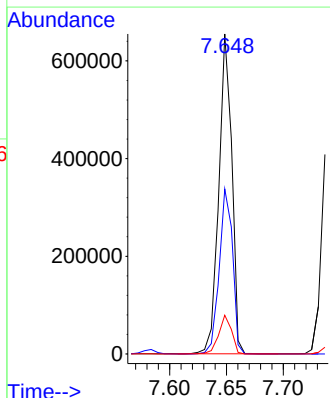
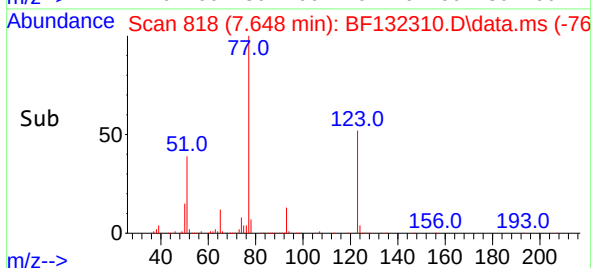
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

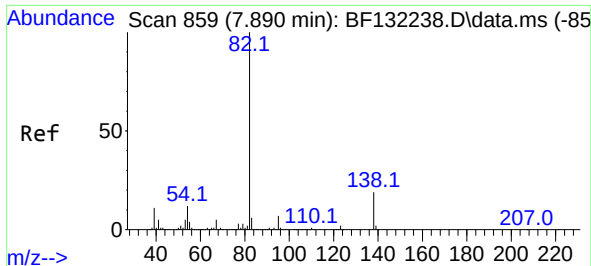


#24  
Nitrobenzene  
Concen: 42.413 ng  
RT: 7.648 min Scan# 818  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



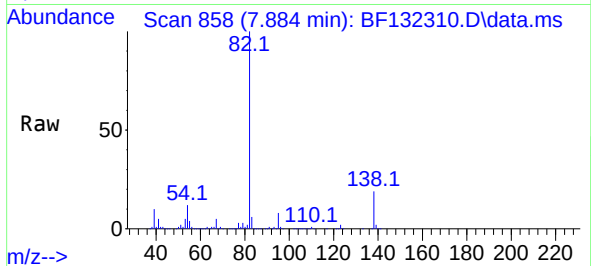
Tgt Ion: 77 Resp: 522837  
Ion Ratio Lower Upper  
77 100  
123 51.5 39.5 59.3  
65 12.1 9.8 14.8





#25  
Isophorone  
Concen: 43.668 ng  
RT: 7.884 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

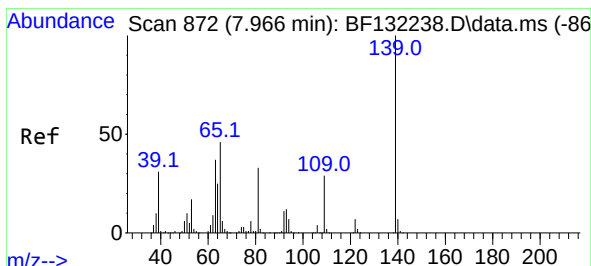
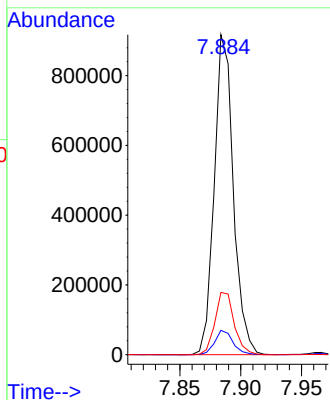
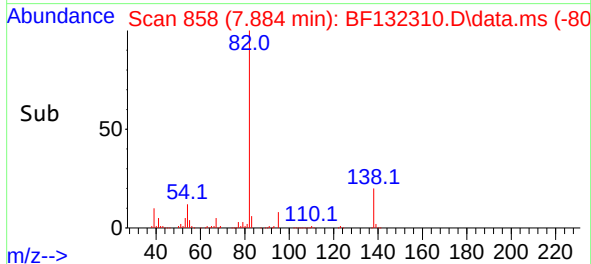
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



Tgt Ion: 82 Resp: 100008  
Ion Ratio Lower Upper  
82 100  
95 7.6 5.6 8.4  
138 19.5 15.0 22.6

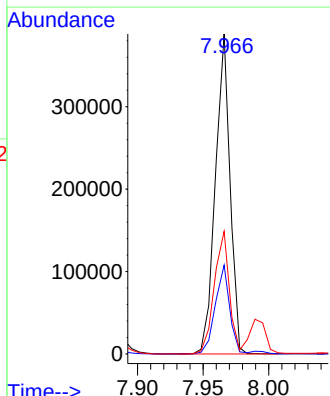
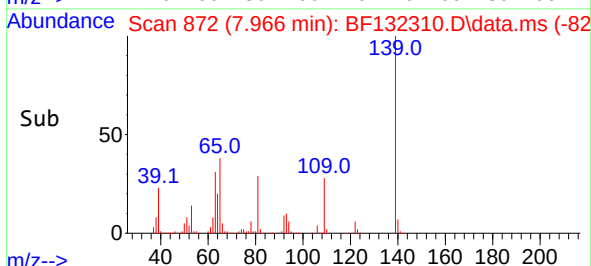
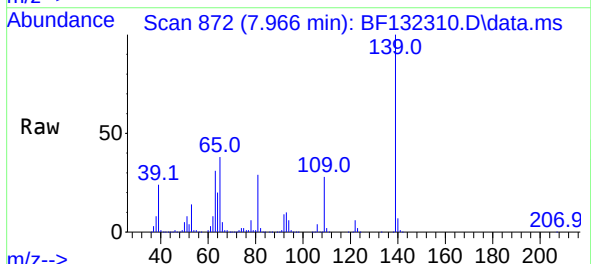
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

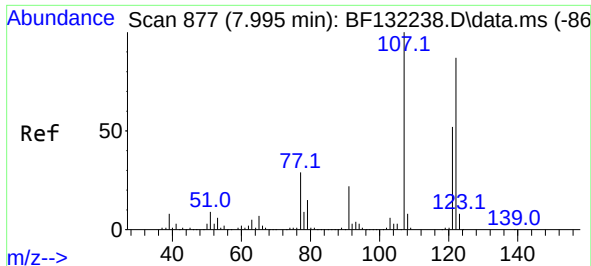


#26  
2-Nitrophenol  
Concen: 50.229 ng  
RT: 7.966 min Scan# 872  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:139 Resp: 301599  
Ion Ratio Lower Upper  
139 100  
109 27.7 23.0 34.6  
65 38.3 36.6 55.0







#27  
2,4-Dimethylphenol  
Concen: 47.182 ng  
RT: 7.995 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

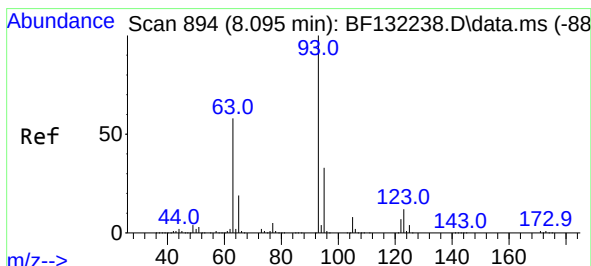
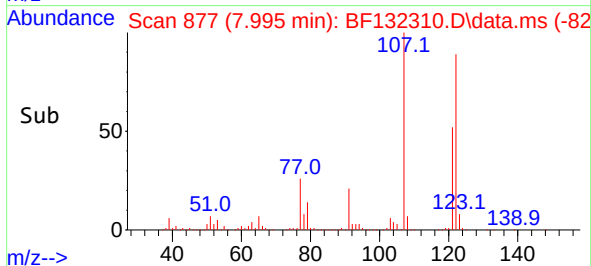
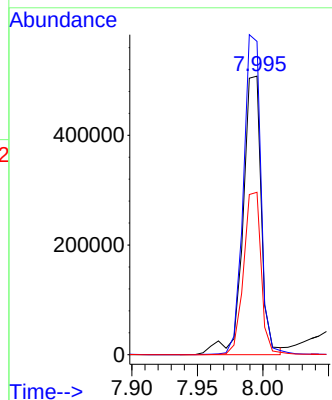
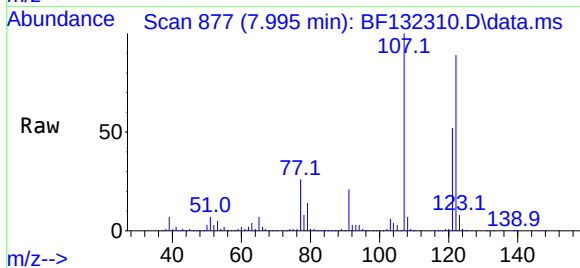
JPP-9-013123MS

Tgt Ion:122 Resp: 49588  
Ion Ratio Lower Upper  
122 100  
107 112.4 91.9 137.9  
121 58.3 47.8 71.8

Manual Integrations

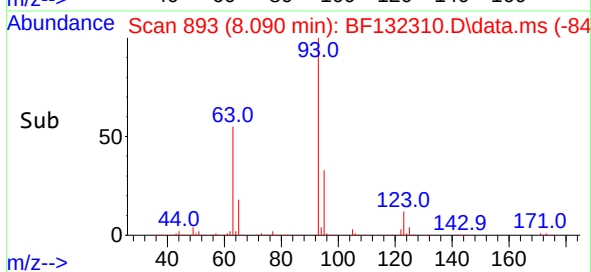
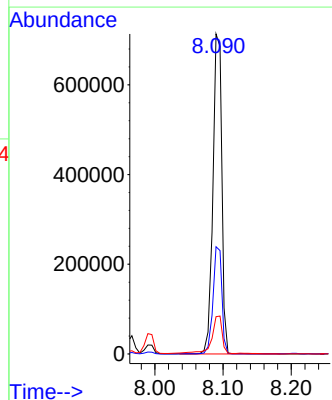
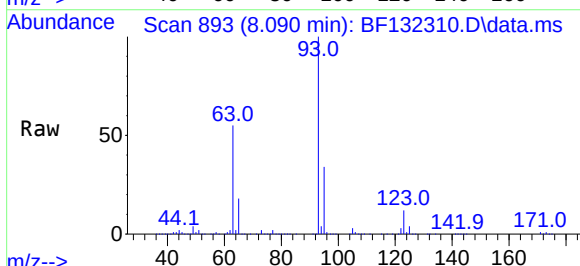
APPROVED

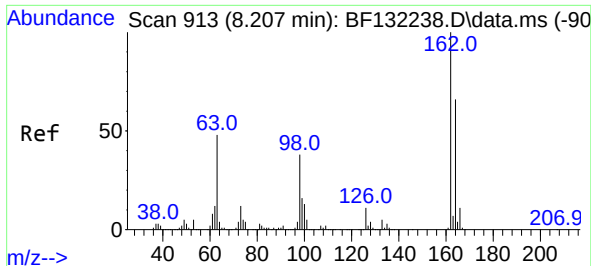
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.158 ng  
RT: 8.090 min Scan# 893  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion: 93 Resp: 649618  
Ion Ratio Lower Upper  
93 100  
95 33.5 26.6 40.0  
123 11.7 9.5 14.3





#29  
2,4-Dichlorophenol  
Concen: 47.638 ng  
RT: 8.207 min Scan# 913  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

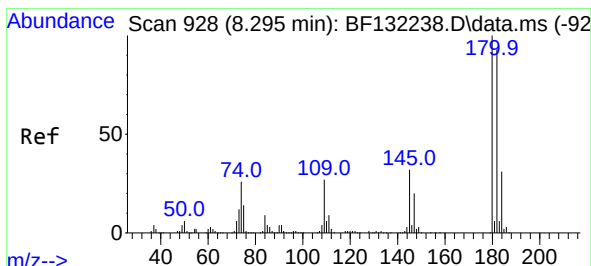
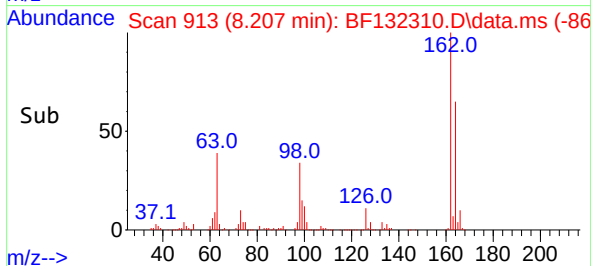
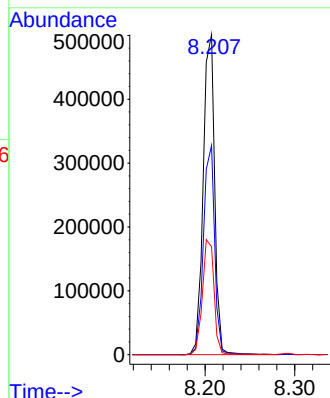
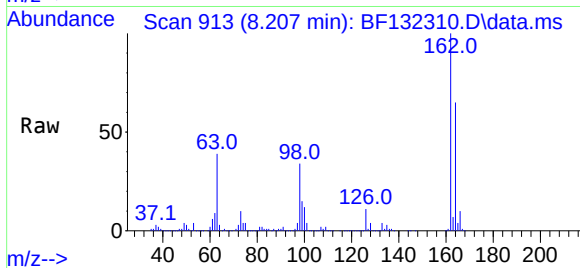
ClientSampleId :

JPP-9-013123MS

Tgt Ion:162 Resp: 444501  
Ion Ratio Lower Upper  
162 100  
164 65.4 46.4 86.4  
98 33.7 17.8 57.8

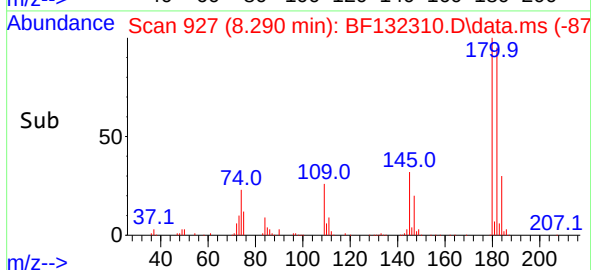
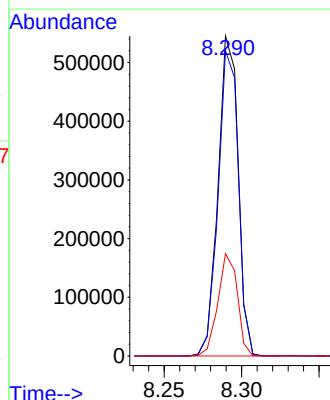
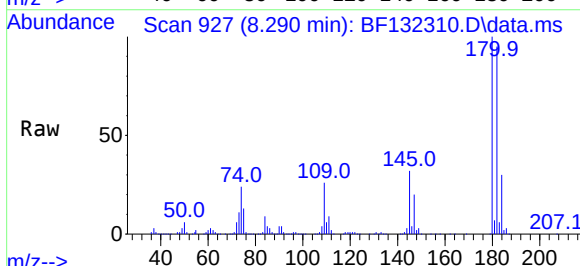
Manual Integrations  
APPROVED

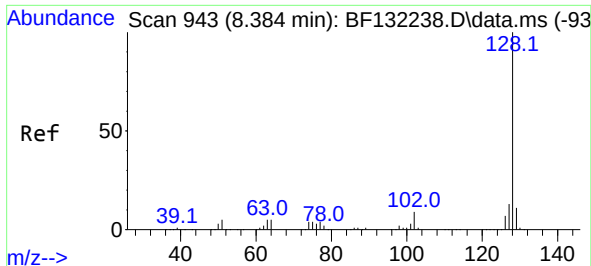
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 49.198 ng  
RT: 8.290 min Scan# 927  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

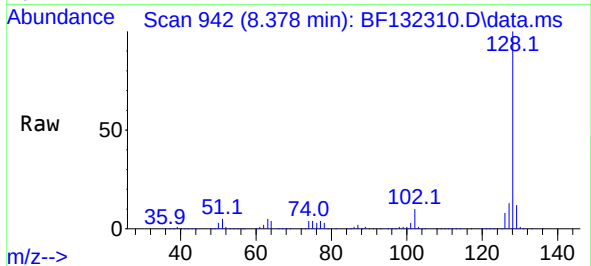
Tgt Ion:180 Resp: 491591  
Ion Ratio Lower Upper  
180 100  
182 95.3 74.6 112.0  
145 32.0 25.3 37.9





#31  
Naphthalene  
Concen: 46.381 ng  
RT: 8.378 min Scan# 943  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

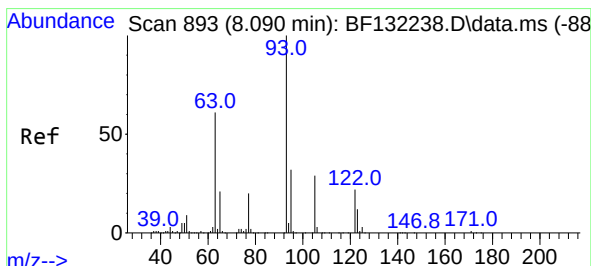
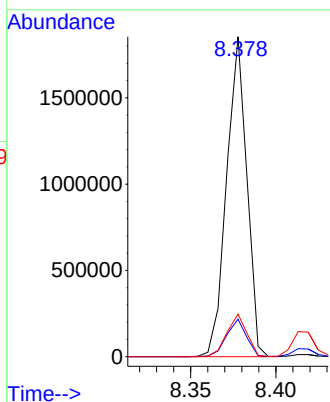
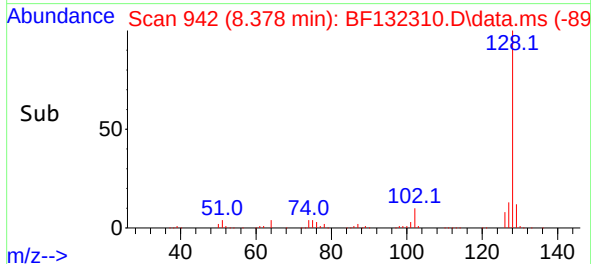
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



Tgt Ion:128 Resp: 1532945  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.0 13.4  
127 13.3 10.5 15.7

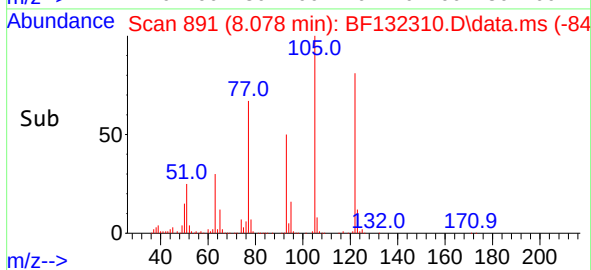
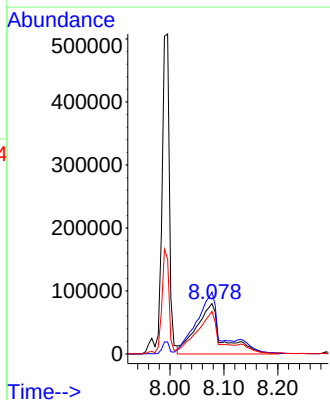
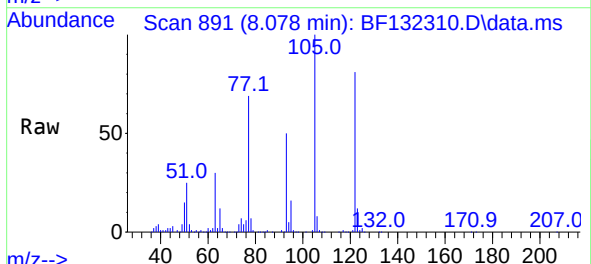
Manual Integrations  
APPROVED

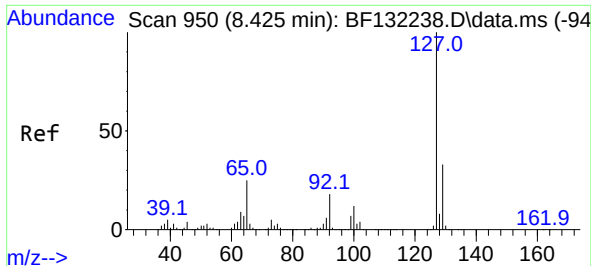
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#32  
Benzoic acid  
Concen: 34.878 ng m  
RT: 8.078 min Scan# 891  
Delta R.T. -0.012 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:122 Resp: 271332  
Ion Ratio Lower Upper  
122 100  
105 122.8 106.3 146.3  
77 84.4 70.6 110.6





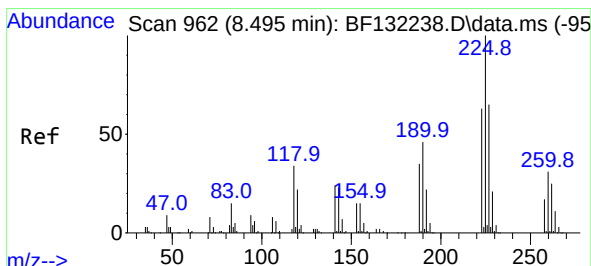
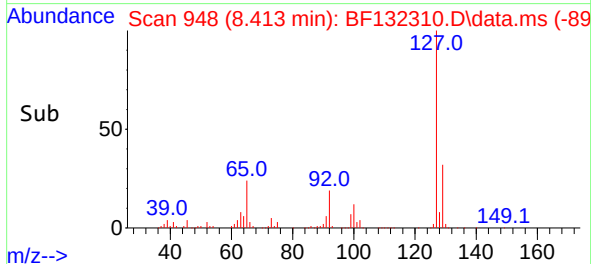
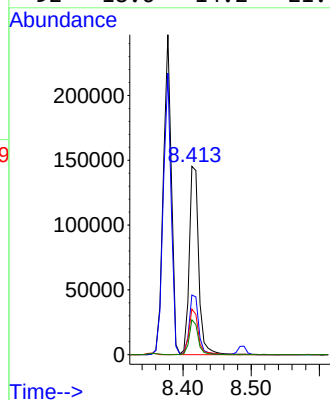
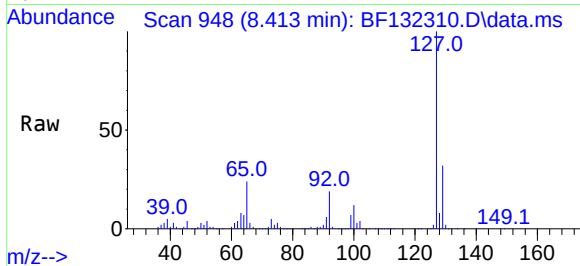
#33  
4-Chloroaniline  
Concen: 9.518 ng  
RT: 8.413 min Scan# 94  
Delta R.T. -0.012 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS

Tgt Ion:127 Resp: 13950  
Ion Ratio Lower Upper  
127 100  
129 31.7 26.6 39.8  
65 24.2 20.2 30.2  
92 18.6 14.2 21.4

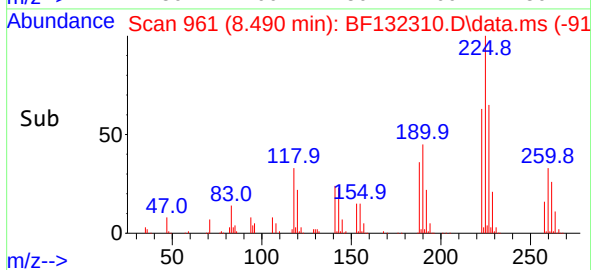
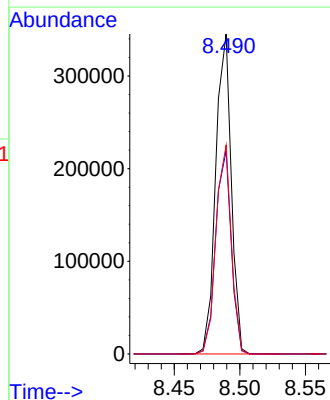
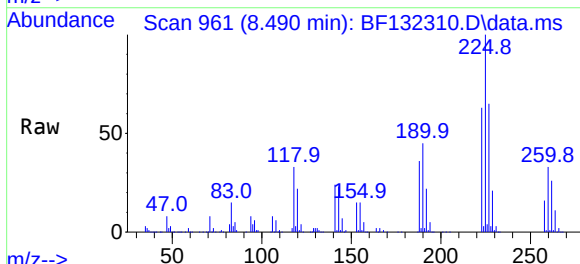
Manual Integrations  
APPROVED

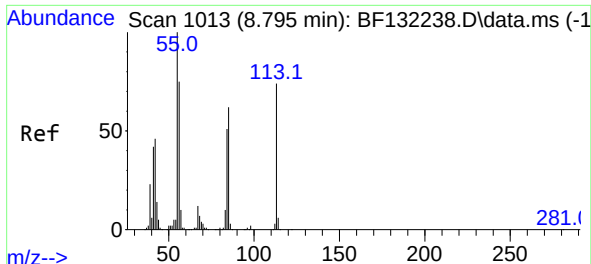
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#34  
Hexachlorobutadiene  
Concen: 50.596 ng  
RT: 8.490 min Scan# 961  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

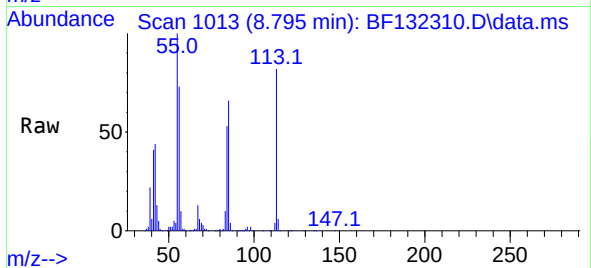
Tgt Ion:225 Resp: 284213  
Ion Ratio Lower Upper  
225 100  
223 63.5 50.6 75.8  
227 65.3 51.7 77.5





#35  
Caprolactam  
Concen: 44.122 ng  
RT: 8.795 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

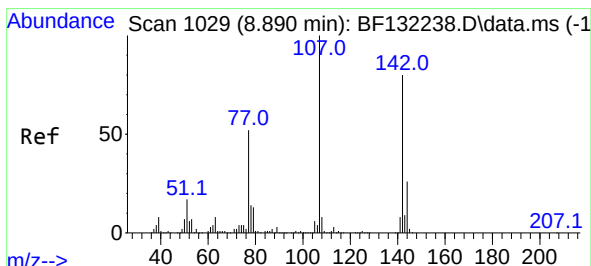
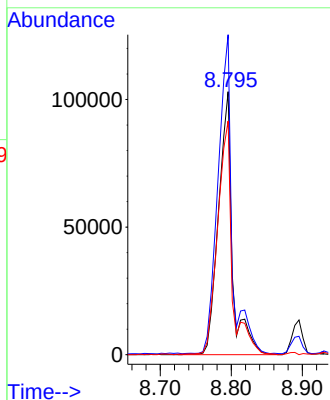
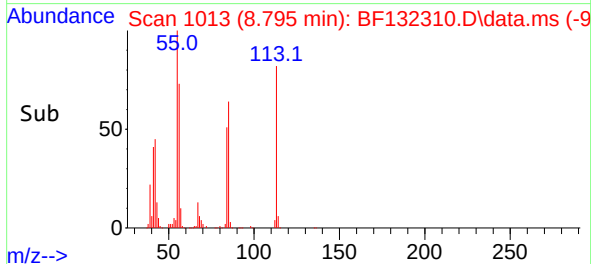
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BNA\_F  
ClientSampleId :  
JPP-9-013123MS



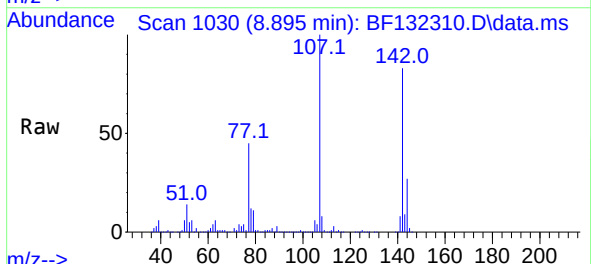
Tgt Ion:113 Resp: 140350  
Ion Ratio Lower Upper  
113 100  
55 121.6 114.7 154.7  
56 88.8 81.1 121.1

Manual Integrations  
APPROVED

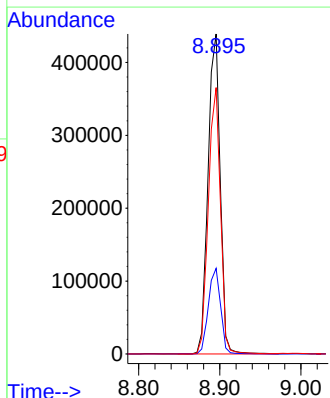
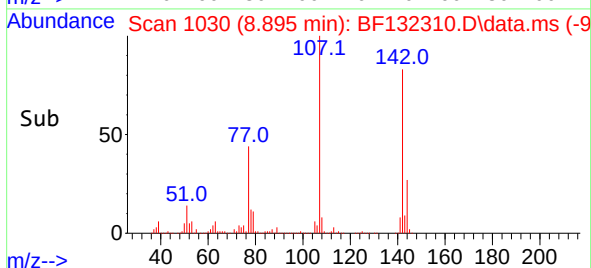
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

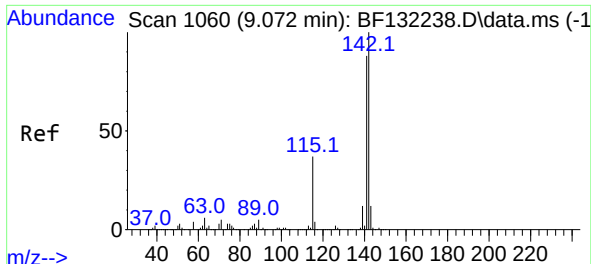


#36  
4-Chloro-3-methylphenol  
Concen: 45.306 ng  
RT: 8.895 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:107 Resp: 455441  
Ion Ratio Lower Upper  
107 100  
144 26.7 20.5 30.7  
142 83.3 63.6 95.4





#37  
2-Methylnaphthalene  
Concen: 44.171 ng  
RT: 9.072 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

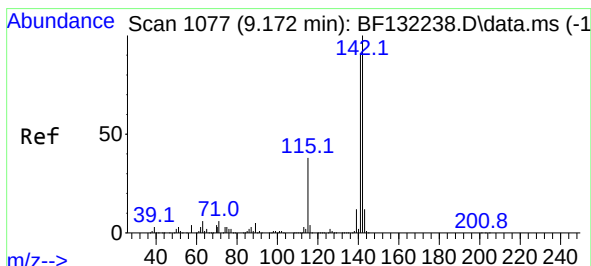
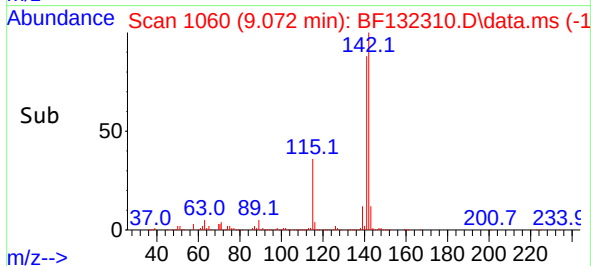
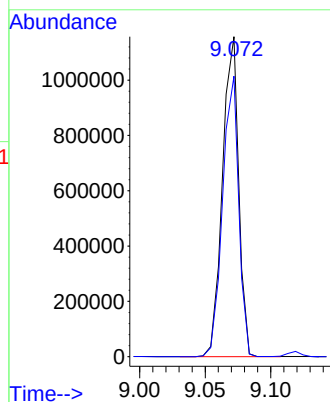
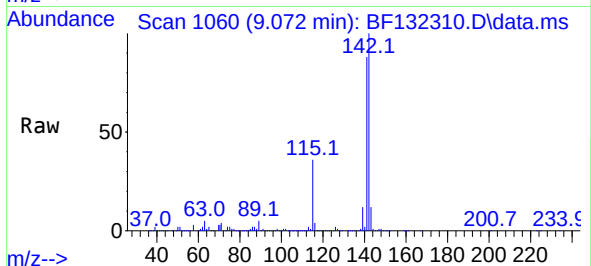
JPP-9-013123MS

Tgt Ion:142 Resp: 988880  
Ion Ratio Lower Upper  
142 100  
141 87.7 70.1 105.1

Manual Integrations

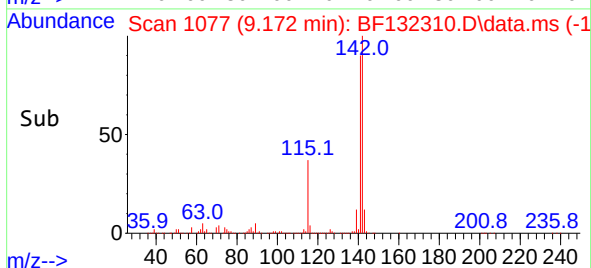
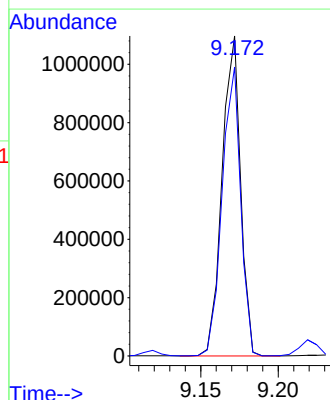
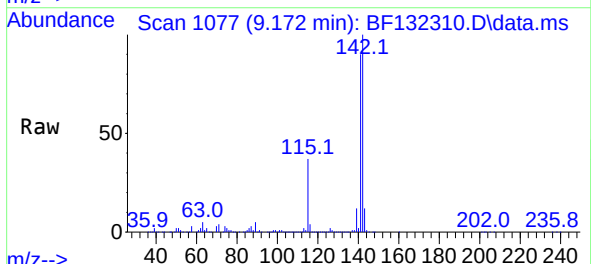
APPROVED

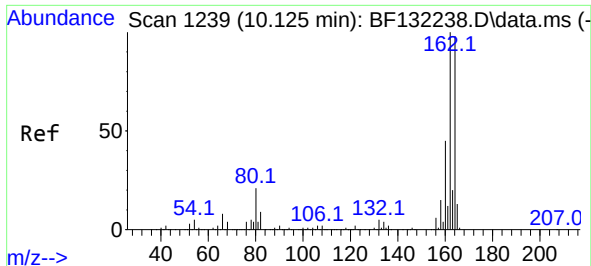
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#38  
1-Methylnaphthalene  
Concen: 43.736 ng  
RT: 9.172 min Scan# 1077  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

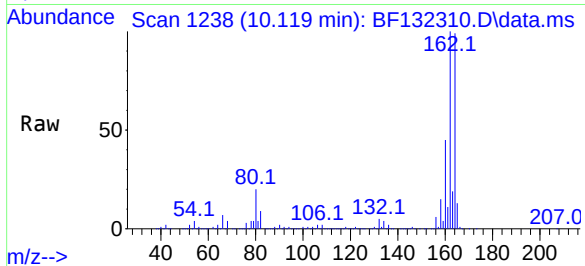
Tgt Ion:142 Resp: 909927  
Ion Ratio Lower Upper  
142 100  
141 90.3 72.6 108.8





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.119 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

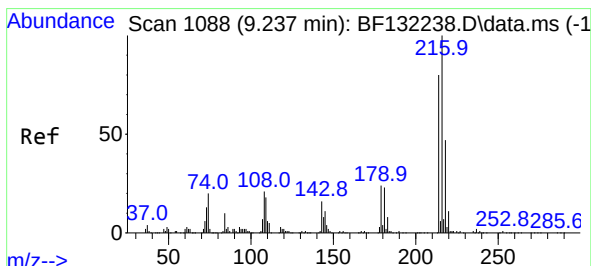
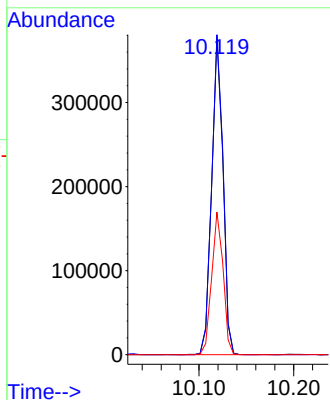
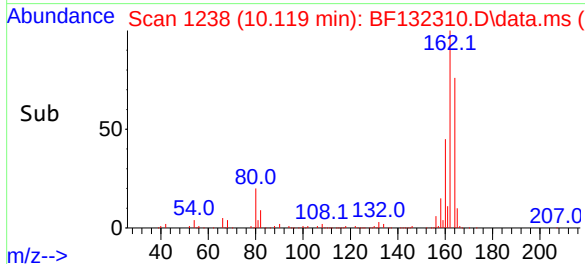
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



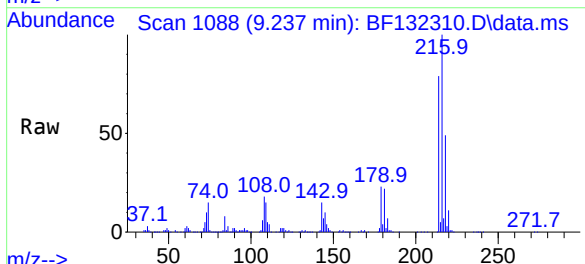
Tgt Ion:164 Resp: 31096  
Ion Ratio Lower Upper  
164 100  
162 101.0 82.0 123.0  
160 45.0 37.1 55.7

Manual Integrations  
APPROVED

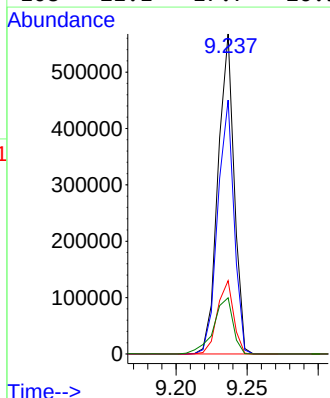
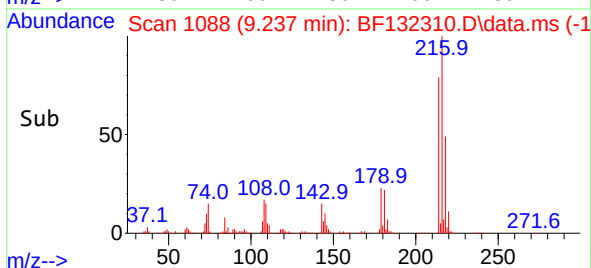
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

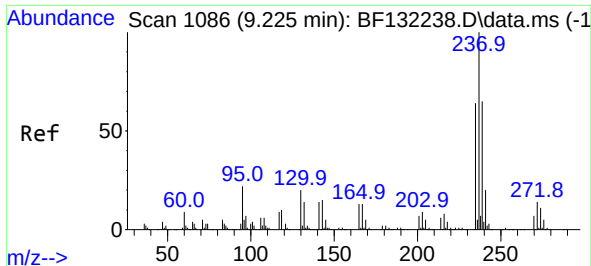


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 51.172 ng  
RT: 9.237 min Scan# 1088  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:216 Resp: 447796  
Ion Ratio Lower Upper  
216 100  
214 79.7 63.6 95.4  
179 22.9 18.3 27.5  
108 21.1 17.7 26.5





#41  
Hexachlorocyclopentadiene  
Concen: 67.040 ng  
RT: 9.219 min Scan# 1085  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

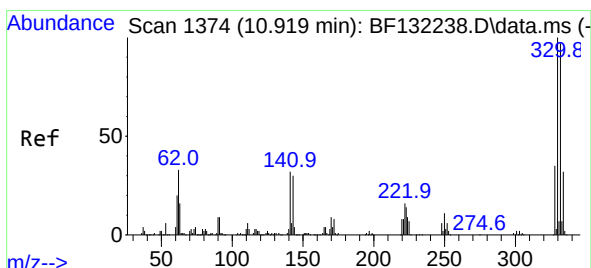
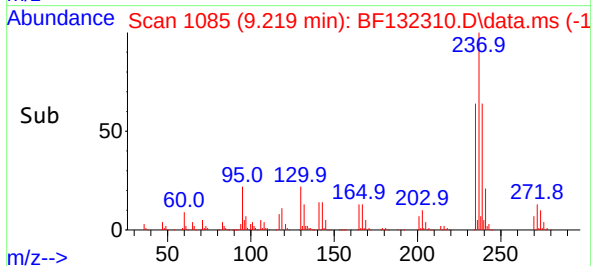
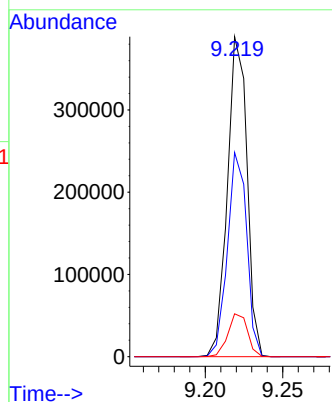
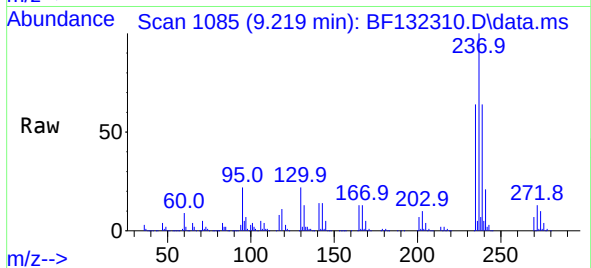
JPP-9-013123MS

Tgt Ion:237 Resp: 342270  
Ion Ratio Lower Upper  
237 100  
235 63.8 43.5 83.5  
272 13.4 0.0 33.6

Manual Integrations

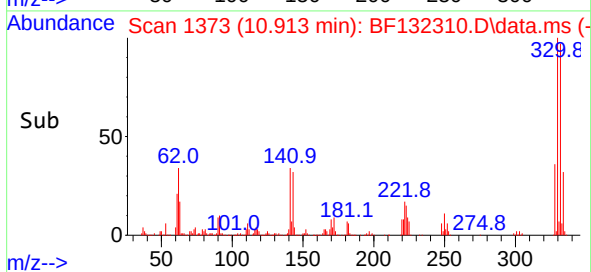
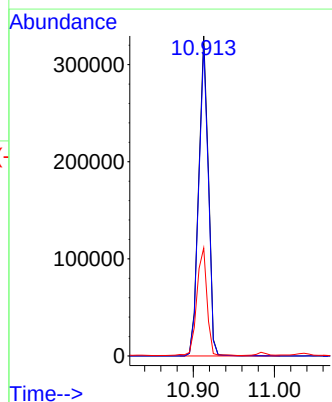
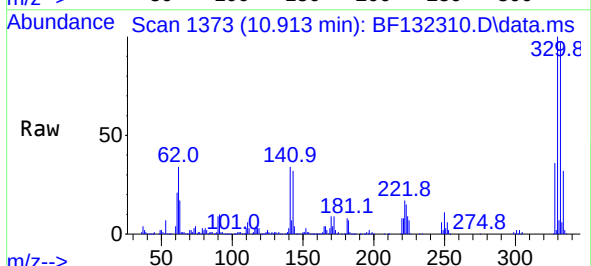
APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

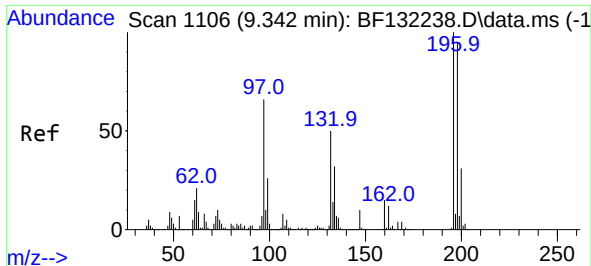


#42  
2,4,6-Tribromophenol  
Concen: 85.851 ng  
RT: 10.913 min Scan# 1373  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:330 Resp: 274537  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.9 116.9  
141 35.4 31.0 46.4

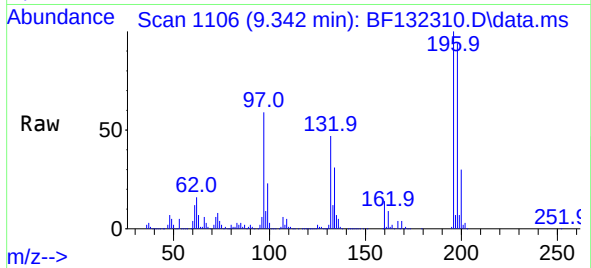






#43  
2,4,6-Trichlorophenol  
Concen: 49.228 ng  
RT: 9.342 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

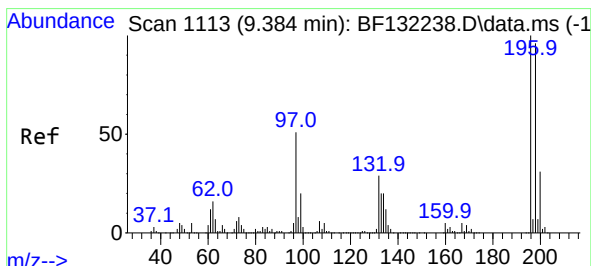
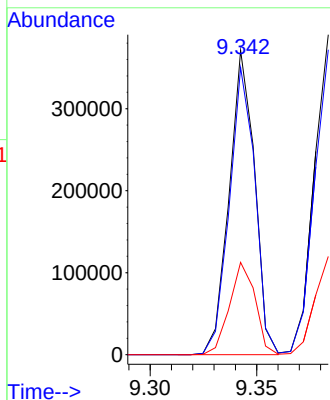
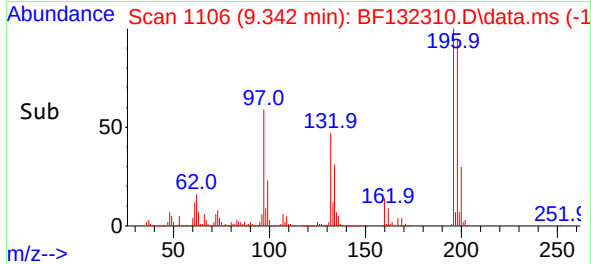
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



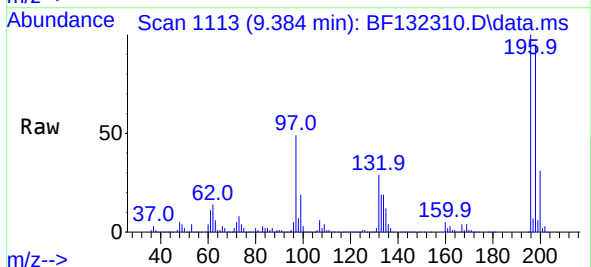
Tgt Ion:196 Resp: 307938  
Ion Ratio Lower Upper  
196 100  
198 94.4 75.9 113.9  
200 30.4 24.7 37.1

Manual Integrations  
APPROVED

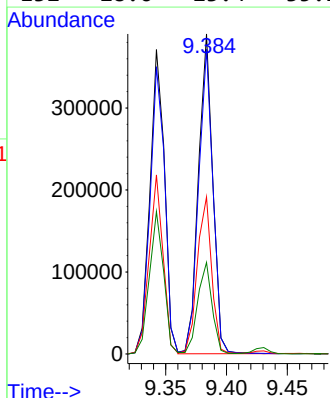
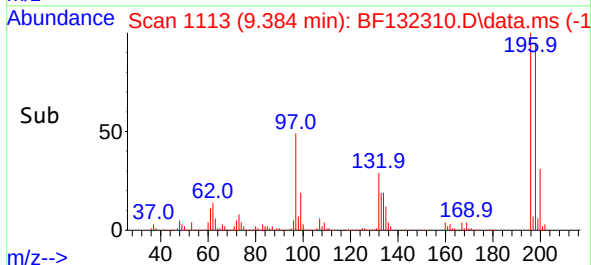
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

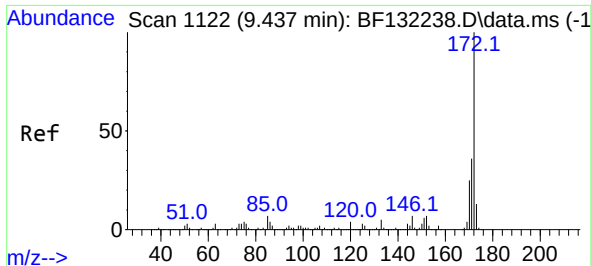


#44  
2,4,5-Trichlorophenol  
Concen: 44.477 ng  
RT: 9.384 min Scan# 1113  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:196 Resp: 320229  
Ion Ratio Lower Upper  
196 100  
198 95.3 77.0 115.4  
97 49.1 41.2 61.8  
132 28.6 23.4 35.2





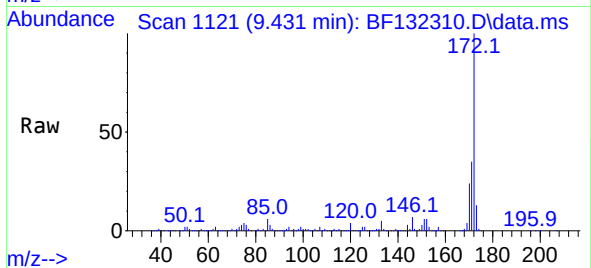
#45  
2-Fluorobiphenyl  
Concen: 65.678 ng  
RT: 9.431 min Scan# 1122  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

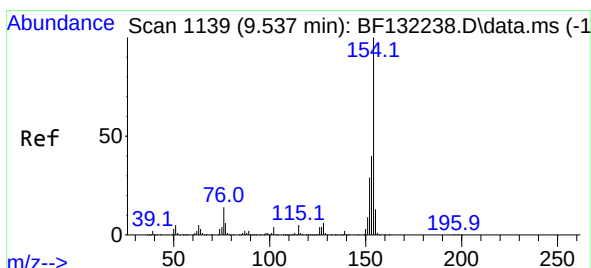
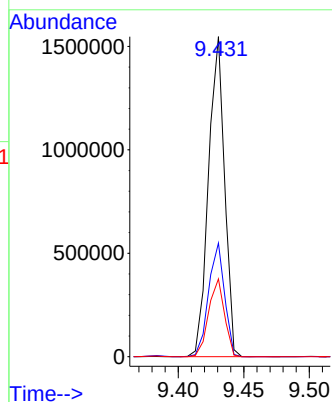
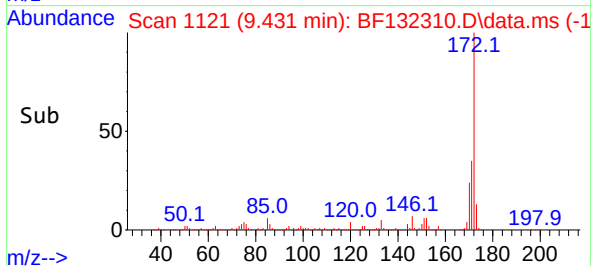


Tgt Ion:172 Resp: 132255  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.6 43.0  
170 24.3 19.7 29.5

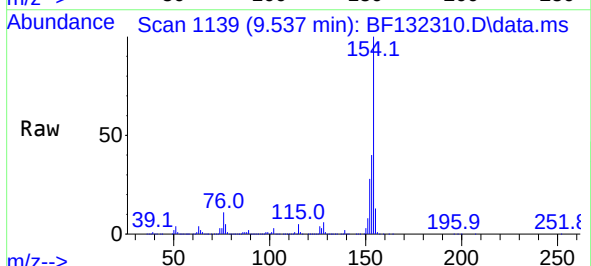
Manual Integrations

APPROVED

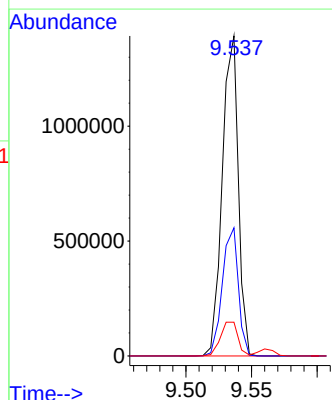
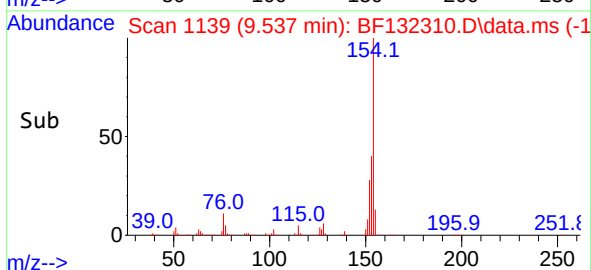
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

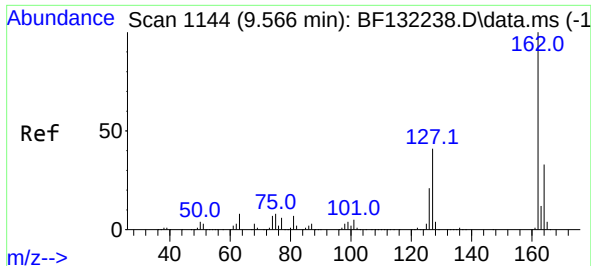


#46  
1,1'-Biphenyl  
Concen: 49.158 ng  
RT: 9.537 min Scan# 1139  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:154 Resp: 1178484  
Ion Ratio Lower Upper  
154 100  
153 40.1 19.9 59.9  
76 10.5 0.0 34.0





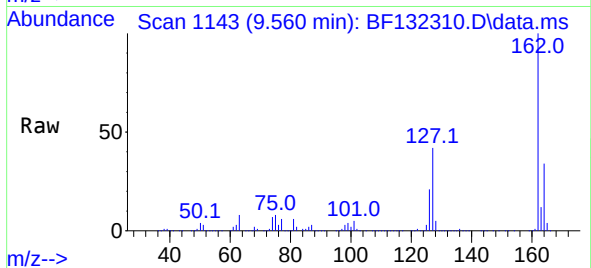
#47  
2-Chloronaphthalene  
Concen: 49.223 ng  
RT: 9.560 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

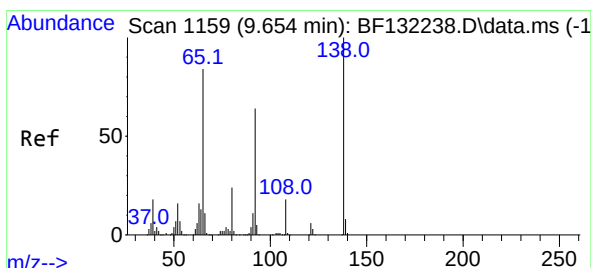
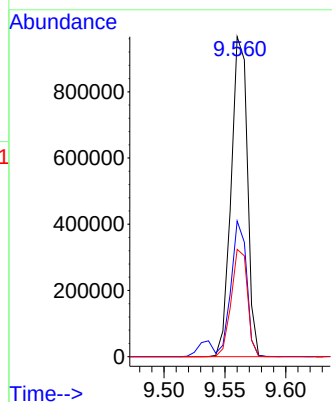
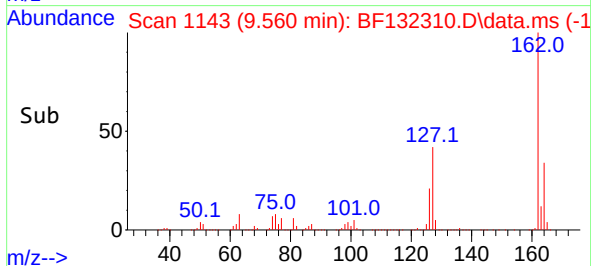


Tgt Ion:162 Resp: 898780  
Ion Ratio Lower Upper  
162 100  
127 42.4 33.3 49.9  
164 33.5 26.8 40.2

Manual Integrations

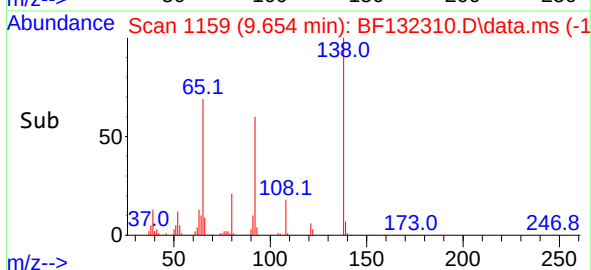
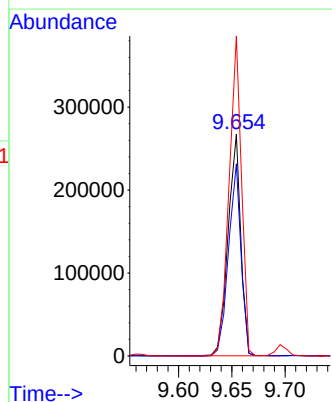
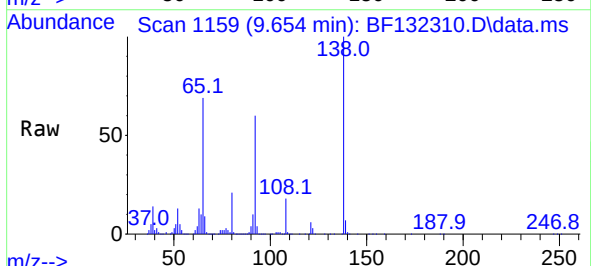
APPROVED

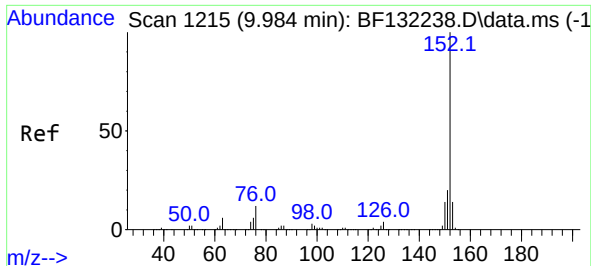
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#48  
2-Nitroaniline  
Concen: 40.637 ng  
RT: 9.654 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion: 65 Resp: 220678  
Ion Ratio Lower Upper  
65 100  
92 86.7 61.0 91.4  
138 144.3 95.0 142.4#





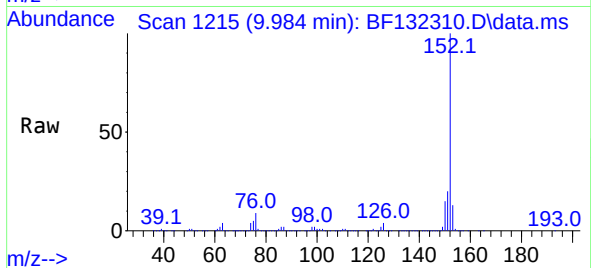
#49  
Acenaphthylene  
Concen: 46.258 ng  
RT: 9.984 min Scan# 1189  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

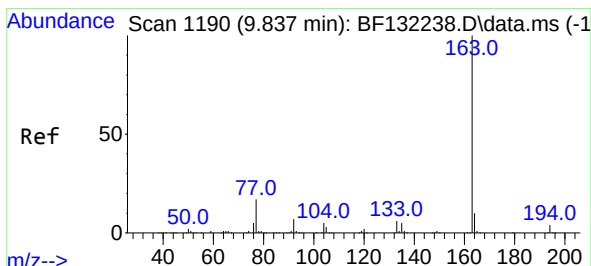
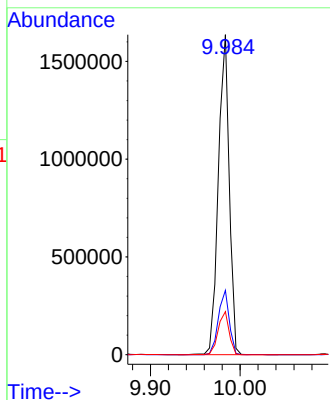
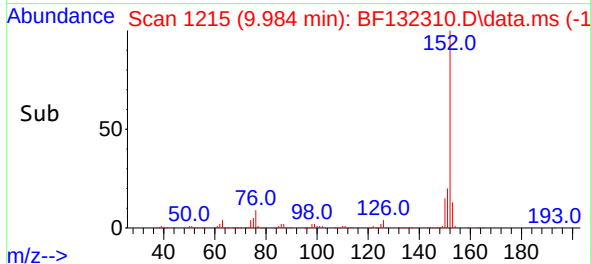


Tgt Ion:152 Resp: 1378520  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 13.5 10.9 16.3

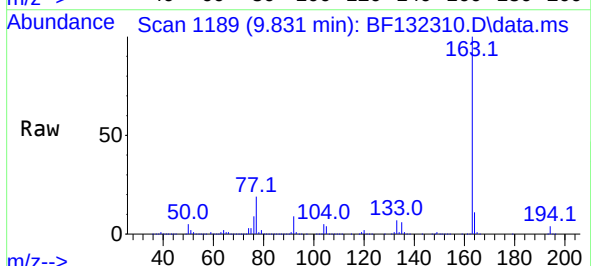
Manual Integrations

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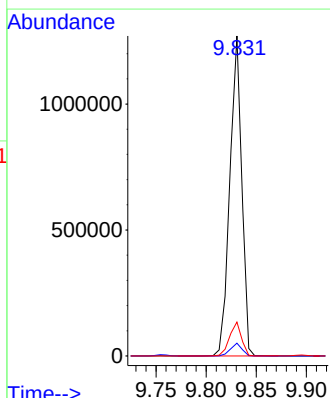
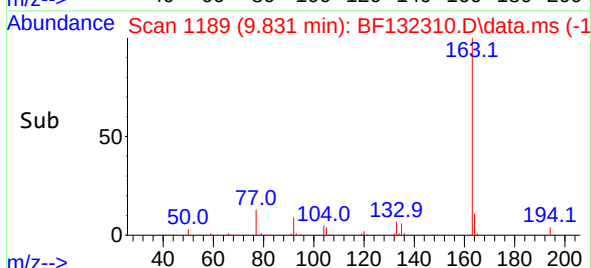
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

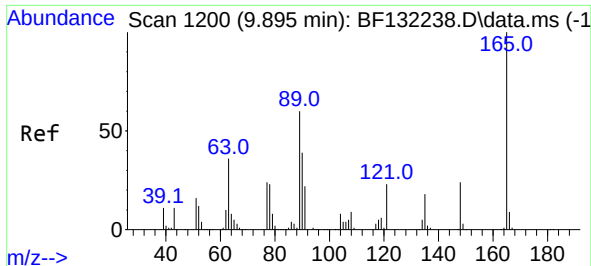


#50  
Dimethylphthalate  
Concen: 48.125 ng  
RT: 9.831 min Scan# 1189  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:163 Resp: 1046817  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.0 4.4  
164 10.6 7.9 11.9





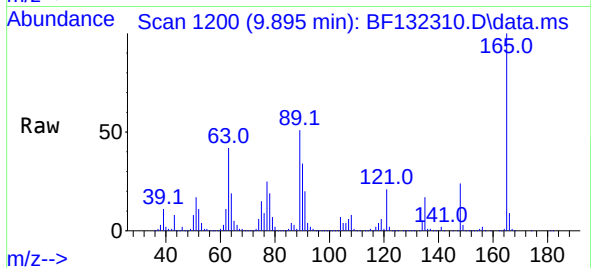
#51  
2,6-Dinitrotoluene  
Concen: 47.709 ng  
RT: 9.895 min Scan# 1200  
Delta R.T. 0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

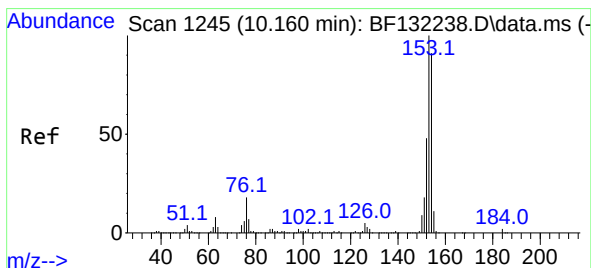
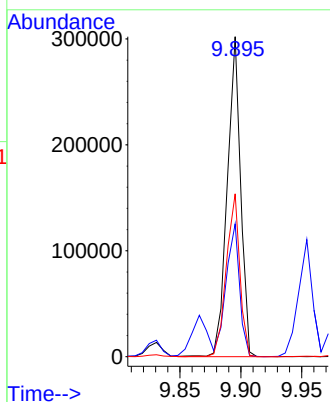
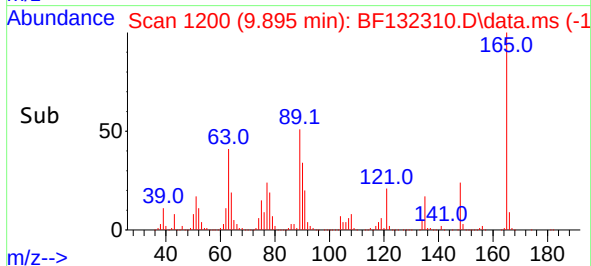


Tgt Ion:165 Resp: 231772  
Ion Ratio Lower Upper  
165 100  
63 41.5 41.5 62.3  
89 50.9 48.1 72.1

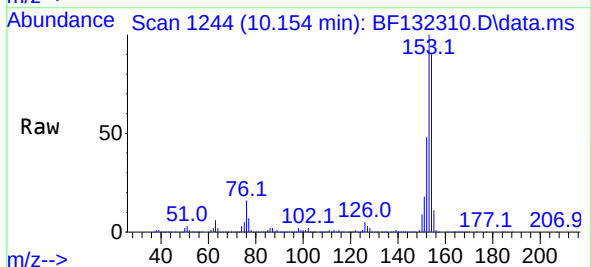
Manual Integrations

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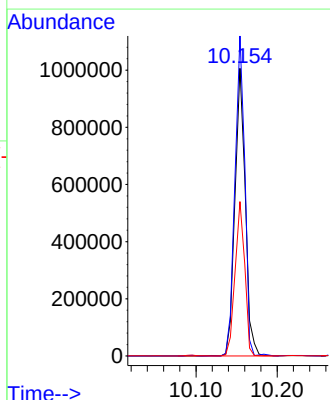
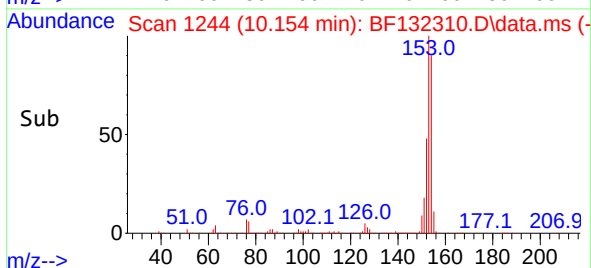
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

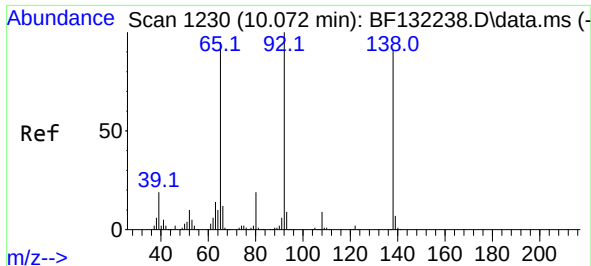


#52  
Acenaphthene  
Concen: 47.582 ng  
RT: 10.154 min Scan# 1244  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:154 Resp: 887743  
Ion Ratio Lower Upper  
154 100  
153 111.2 88.3 132.5  
152 53.7 42.7 64.1





#53  
3-Nitroaniline  
Concen: 23.189 ng  
RT: 10.066 min Scan# 1229  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

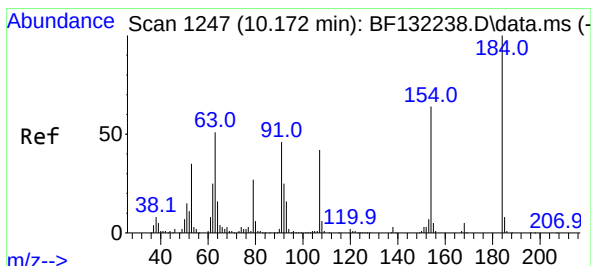
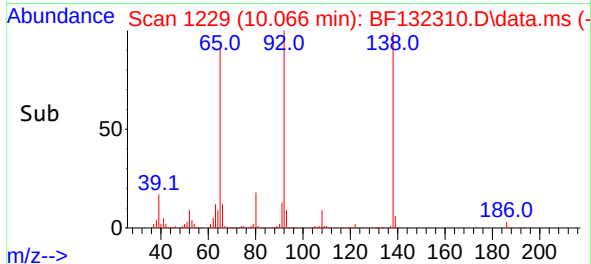
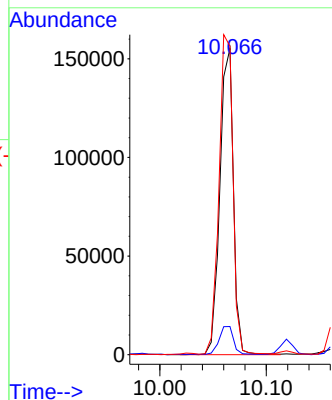
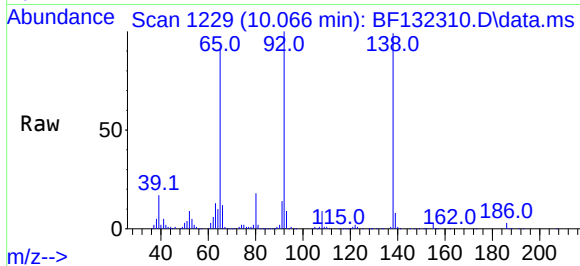
JPP-9-013123MS

Tgt Ion:138 Resp: 13661  
Ion Ratio Lower Upper  
138 100  
108 9.2 7.6 11.4  
92 100.7 88.3 132.5

Manual Integrations

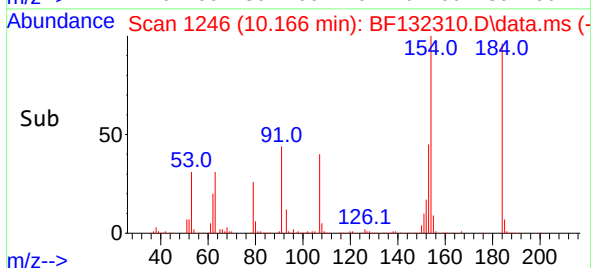
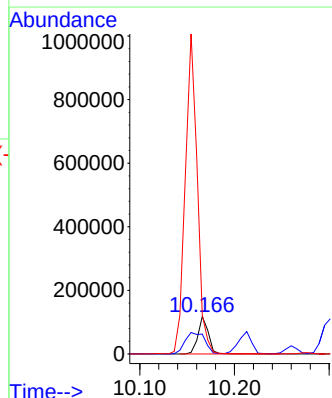
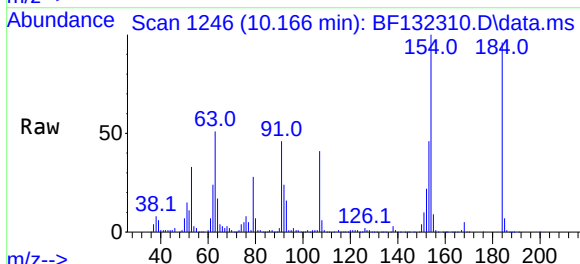
APPROVED

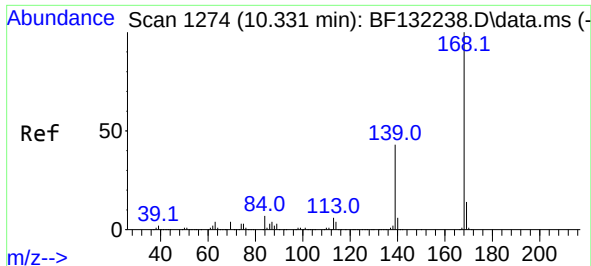
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#54  
2,4-Dinitrophenol  
Concen: 34.507 ng  
RT: 10.166 min Scan# 1246  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

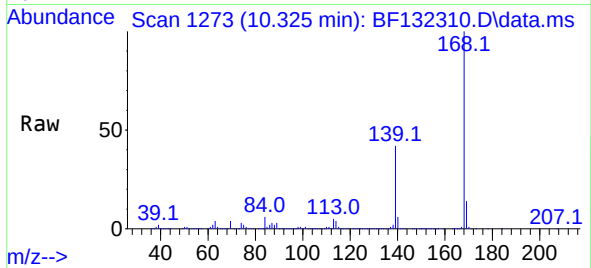
Tgt Ion:184 Resp: 89848  
Ion Ratio Lower Upper  
184 100  
63 53.1 41.6 62.4  
154 104.6 57.0 85.6#





#55  
Dibenzenofuran  
Concen: 45.986 ng  
RT: 10.325 min Scan# 1273  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

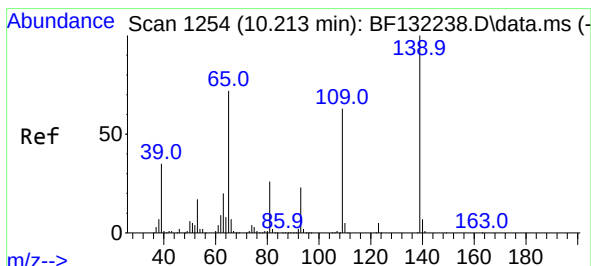
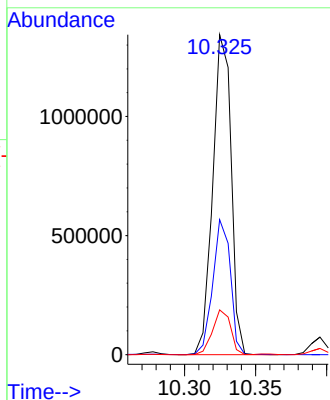
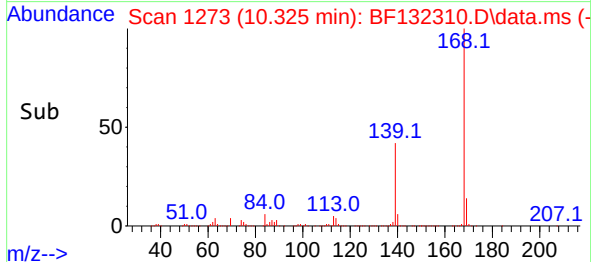
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



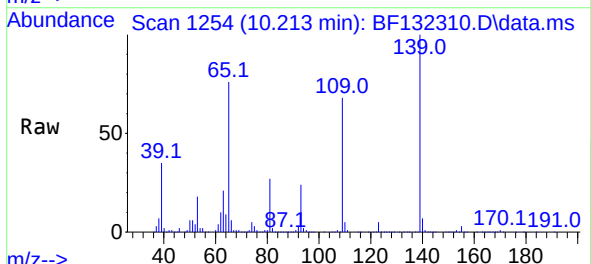
Tgt Ion:168 Resp: 1205462  
Ion Ratio Lower Upper  
168 100  
139 42.2 34.2 51.4  
169 14.0 11.2 16.8

Manual Integrations  
APPROVED

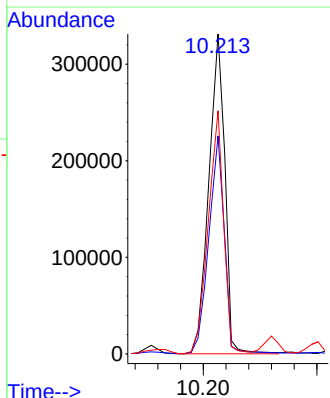
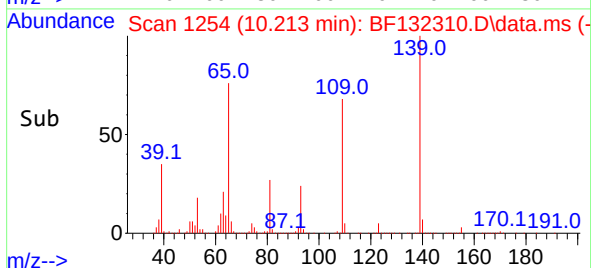
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

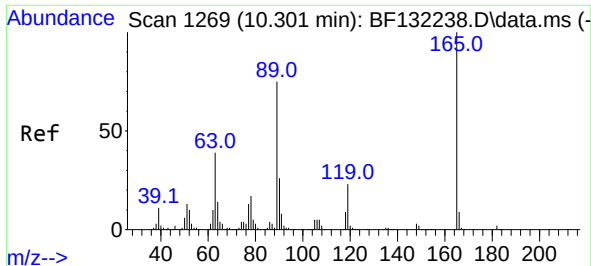


#56  
4-Nitrophenol  
Concen: 73.196 ng  
RT: 10.213 min Scan# 1254  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:139 Resp: 324498  
Ion Ratio Lower Upper  
139 100  
109 68.2 43.3 83.3  
65 76.0 52.3 92.3





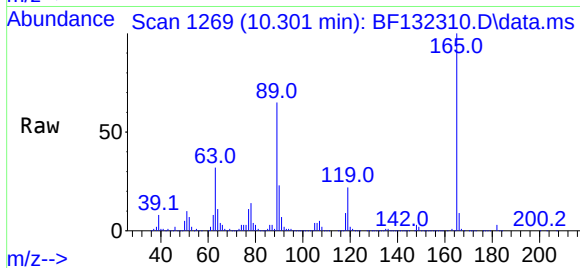
#57  
2,4-Dinitrotoluene  
Concen: 44.774 ng  
RT: 10.301 min Scan# 1269  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

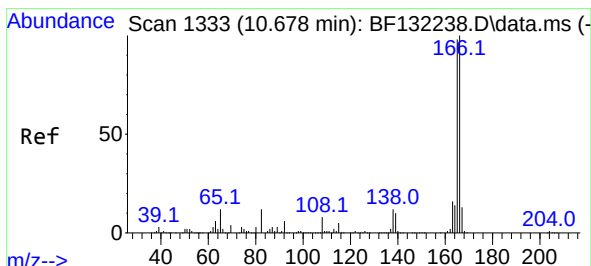
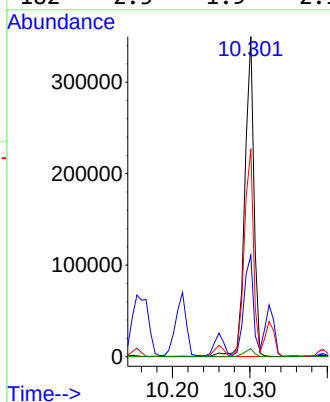
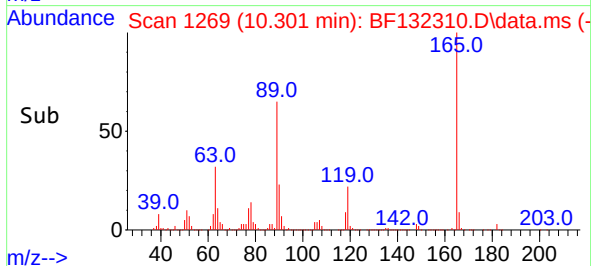


Tgt Ion:165 Resp: 28255  
Ion Ratio Lower Upper  
165 100  
63 31.7 30.9 46.3  
89 65.0 60.1 90.1  
182 2.5 1.9 2.9

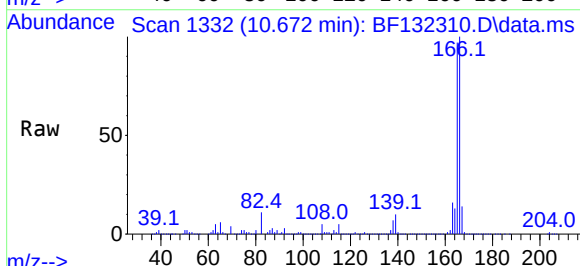
Manual Integrations

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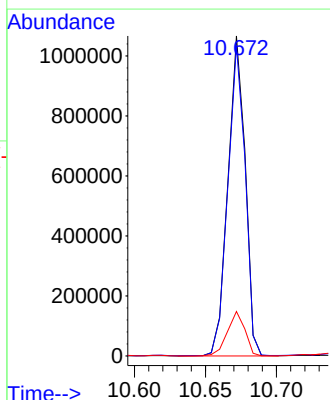
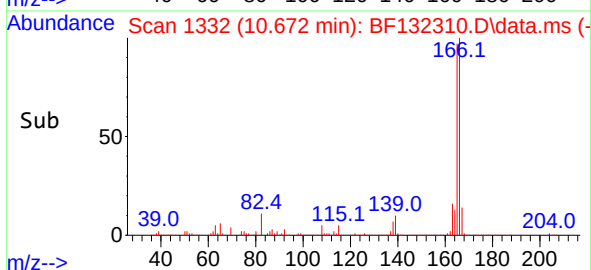
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



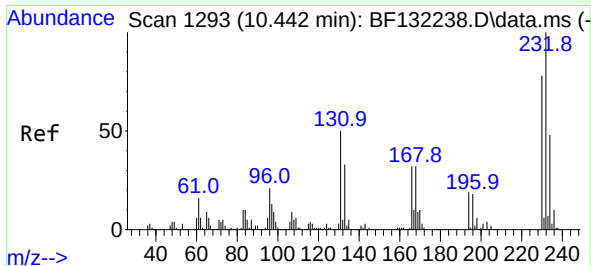
#58  
Fluorene  
Concen: 44.678 ng  
RT: 10.672 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:166 Resp: 901348  
Ion Ratio Lower Upper  
166 100  
165 97.0 78.0 117.0  
167 13.9 10.8 16.2

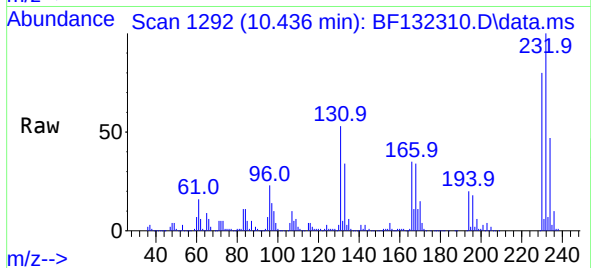






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.704 ng  
RT: 10.436 min Scan# 1308  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

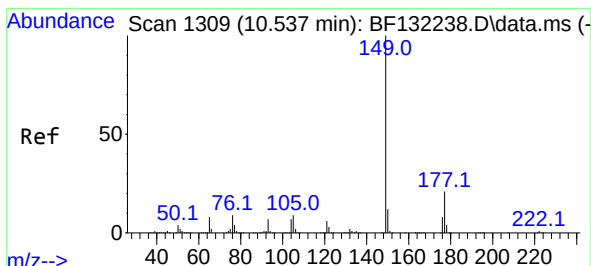
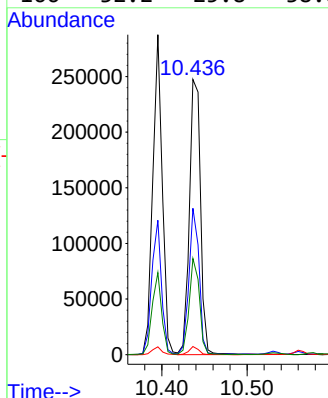
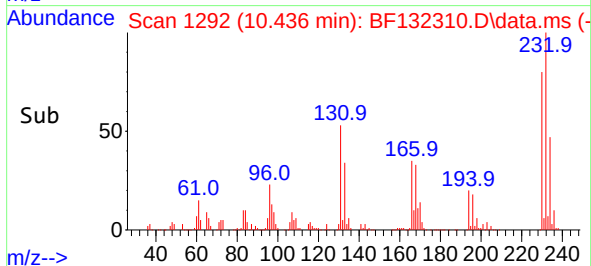
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



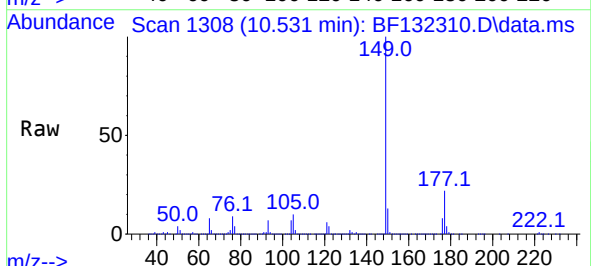
Tgt Ion:232 Resp: 224140  
Ion Ratio Lower Upper  
232 100  
131 48.3 40.6 61.0  
130 2.7 1.9 2.9  
166 32.2 25.8 38.8

Manual Integrations  
APPROVED

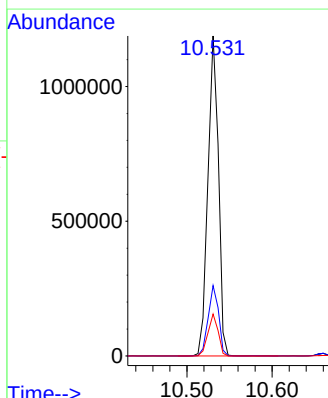
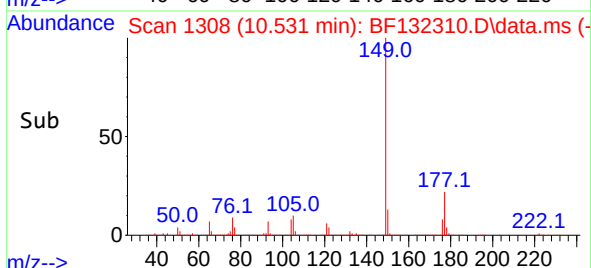
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

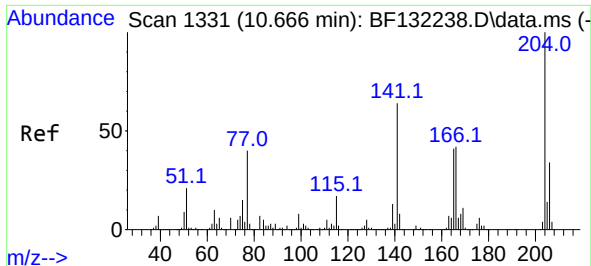


#60  
Diethylphthalate  
Concen: 46.934 ng  
RT: 10.531 min Scan# 1308  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:149 Resp: 1015613  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.1 25.7  
150 13.1 9.9 14.9





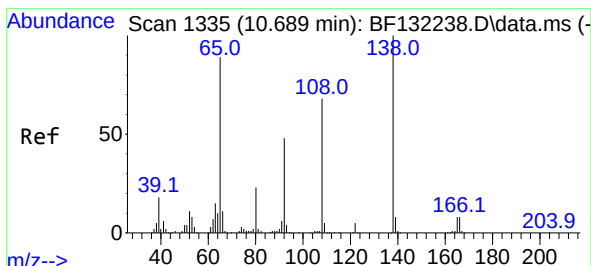
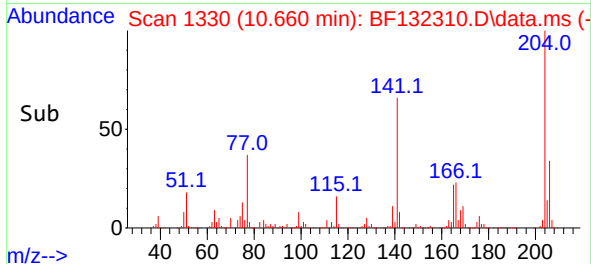
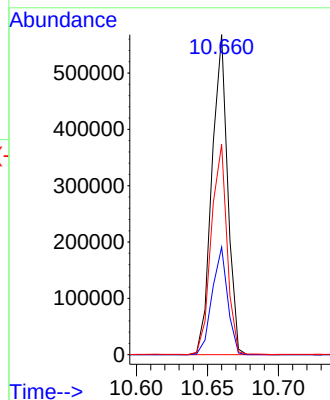
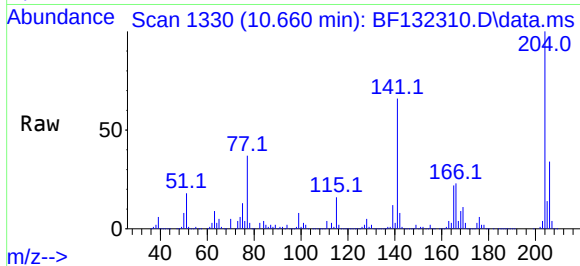
#61  
4-Chlorophenyl-phenylether  
Concen: 45.843 ng  
RT: 10.660 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS

Tgt Ion:204 Resp: 438914  
Ion Ratio Lower Upper  
204 100  
206 33.6 26.8 40.2  
141 65.7 51.4 77.0

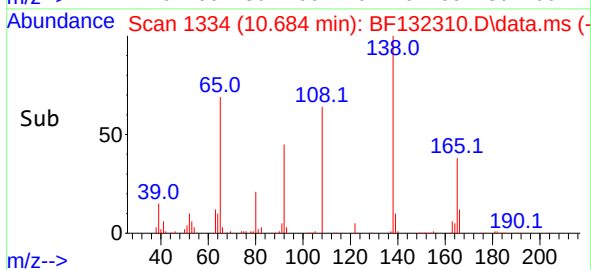
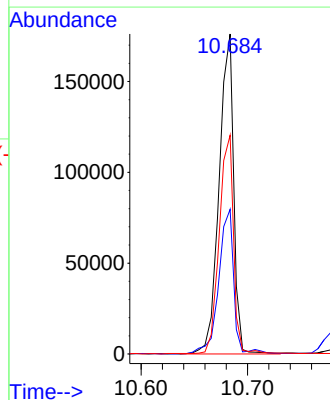
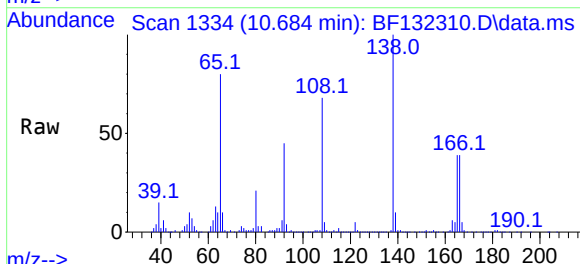
Manual Integrations  
APPROVED

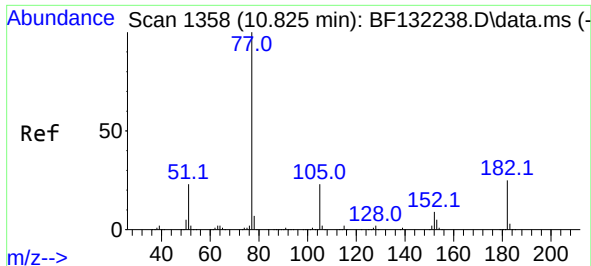
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#62  
4-Nitroaniline  
Concen: 29.556 ng  
RT: 10.684 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:138 Resp: 166978  
Ion Ratio Lower Upper  
138 100  
92 45.2 27.7 67.7  
108 68.4 48.5 88.5





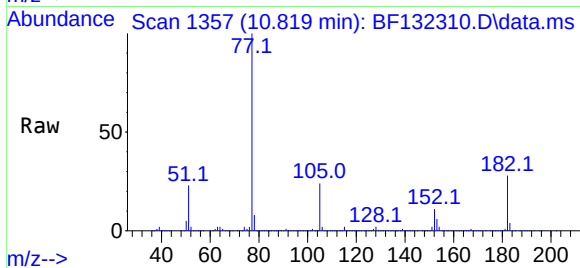
#63  
Azobenzene  
Concen: 43.243 ng  
RT: 10.819 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

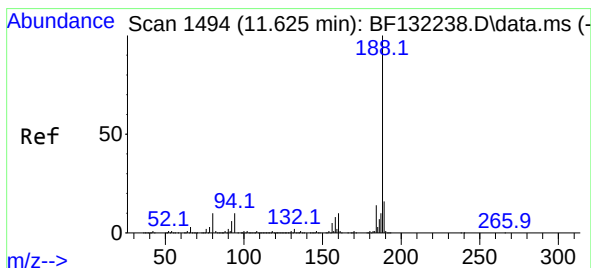
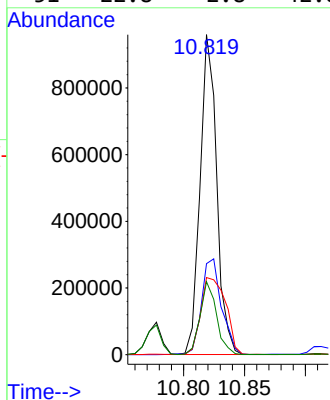
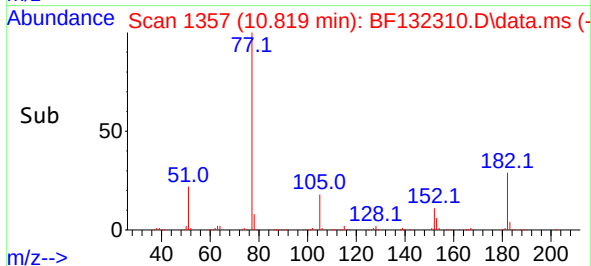


Tgt Ion: 77 Resp: 911472  
Ion Ratio Lower Upper  
77 100  
182 28.5 4.5 44.5  
105 24.1 2.7 42.7  
51 22.8 2.8 42.8

Manual Integrations

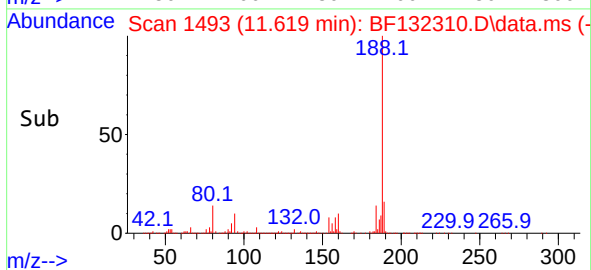
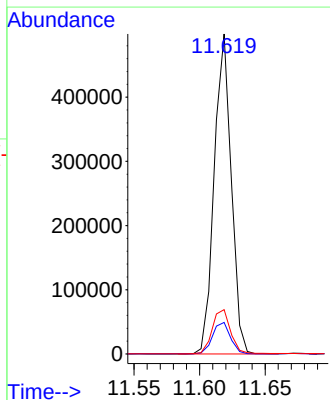
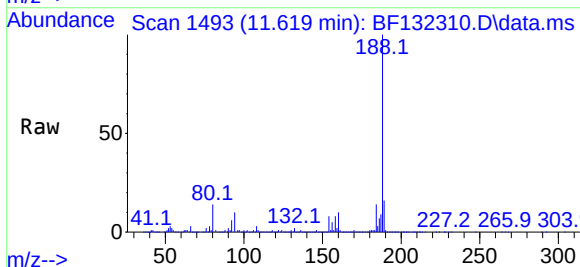
APPROVED

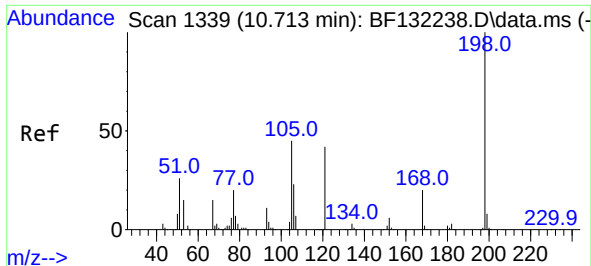
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.619 min Scan# 1493  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:188 Resp: 449471  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.2 12.2  
80 13.8 8.3 12.5





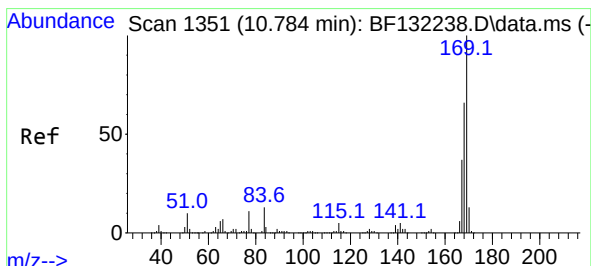
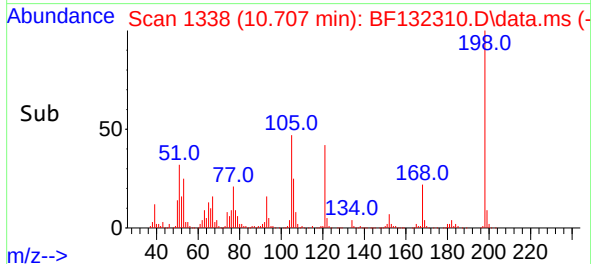
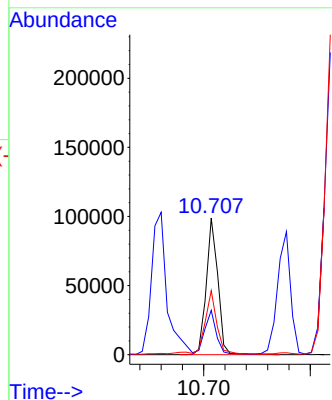
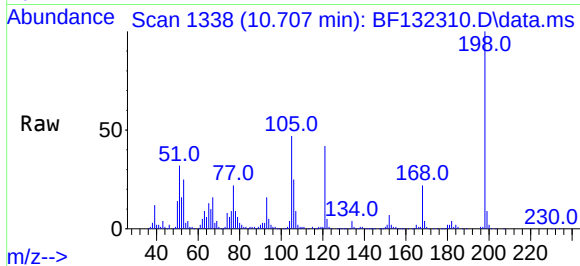
#65  
4,6-Dinitro-2-methylphenol  
Concen: 29.240 ng  
RT: 10.707 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS

Tgt Ion:198 Resp: 74592  
Ion Ratio Lower Upper  
198 100  
51 32.5 13.1 53.1  
105 46.8 26.0 66.0

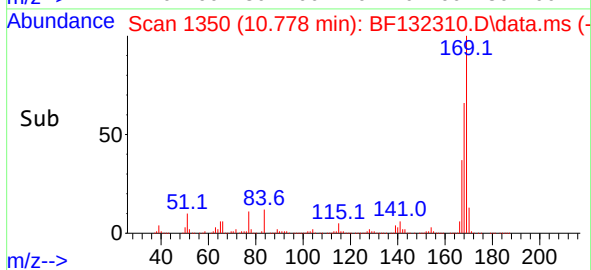
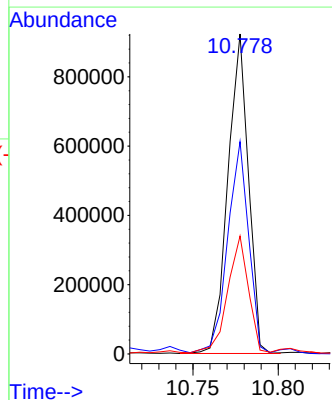
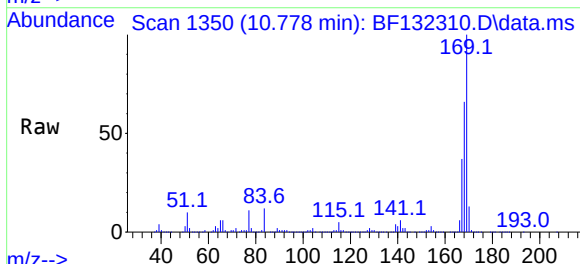
Manual Integrations  
APPROVED

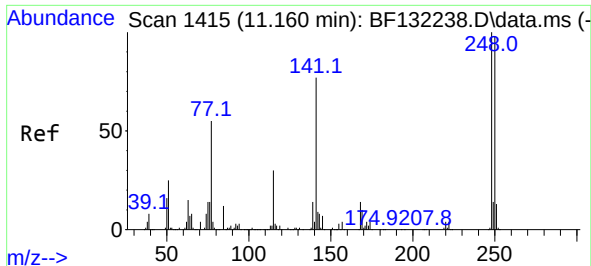
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#66  
n-Nitrosodiphenylamine  
Concen: 54.882 ng  
RT: 10.778 min Scan# 1350  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:169 Resp: 772431  
Ion Ratio Lower Upper  
169 100  
168 66.3 52.6 79.0  
167 36.8 29.5 44.3





#67  
4-Bromophenyl-phenylether  
Concen: 57.958 ng  
RT: 11.154 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

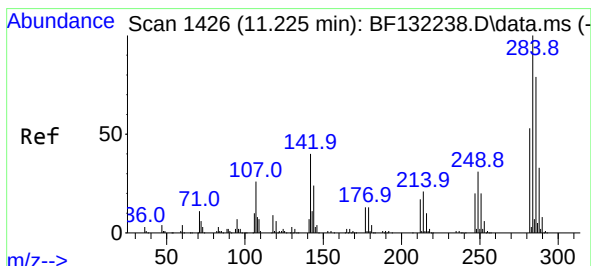
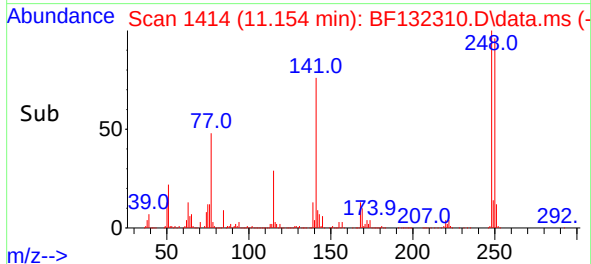
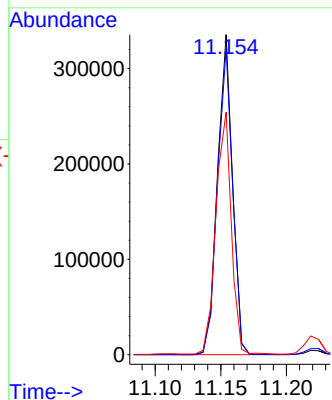
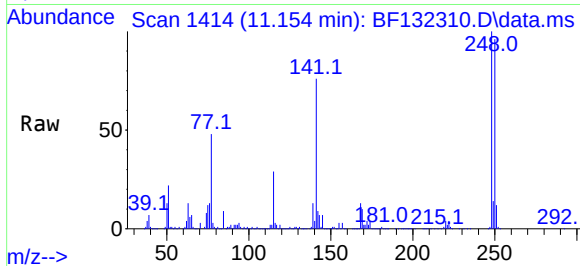
JPP-9-013123MS

Tgt Ion:248 Resp: 26675  
Ion Ratio Lower Upper  
248 100  
250 95.7 78.6 117.8  
141 75.8 61.6 92.4

Manual Integrations

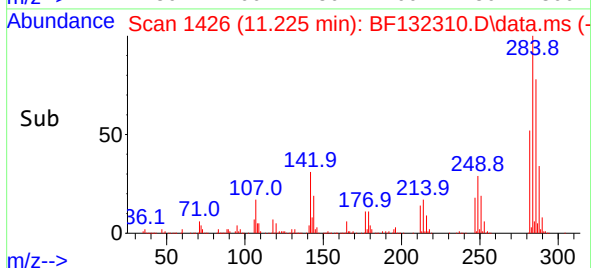
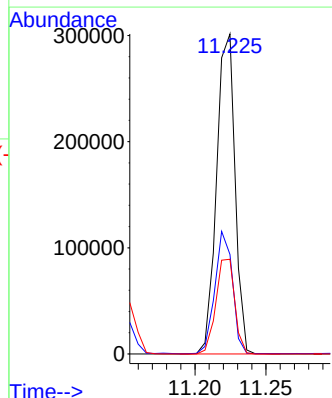
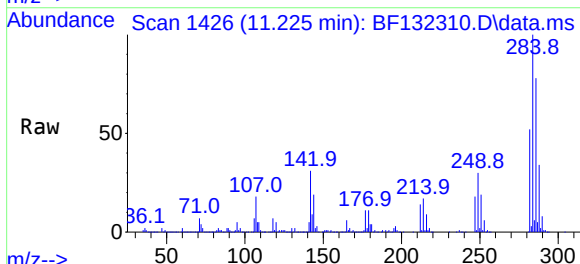
APPROVED

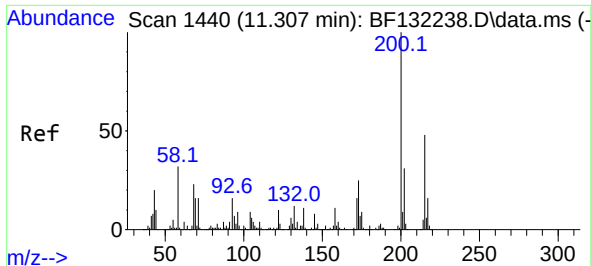
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#68  
Hexachlorobenzene  
Concen: 55.359 ng  
RT: 11.225 min Scan# 1426  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

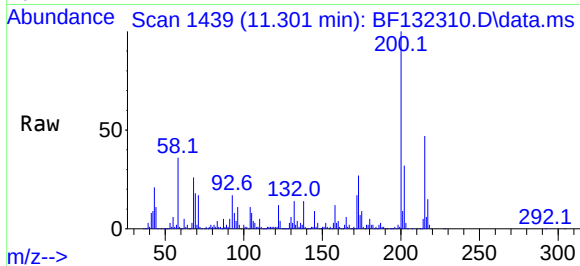
Tgt Ion:284 Resp: 272334  
Ion Ratio Lower Upper  
284 100  
142 31.1 32.2 48.4#  
249 29.6 25.0 37.6





#69  
Atrazine  
Concen: 60.119 ng  
RT: 11.301 min Scan# 1439  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

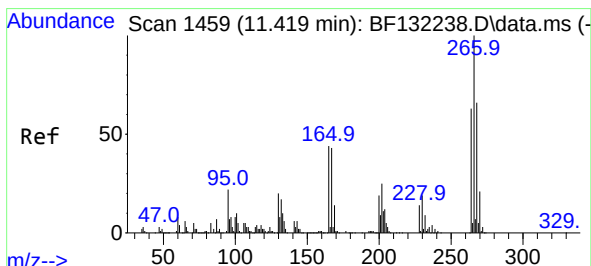
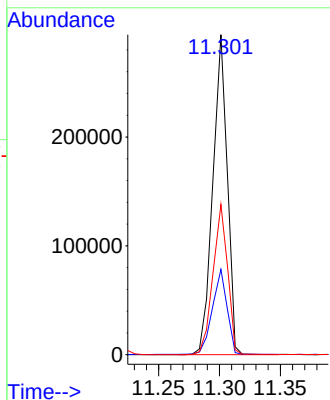
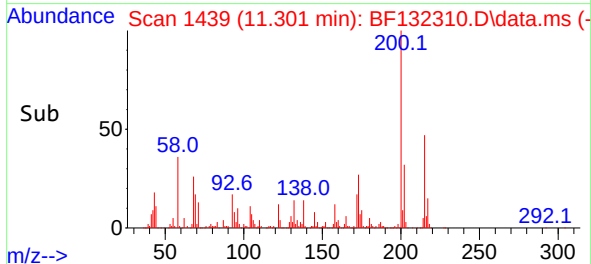
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



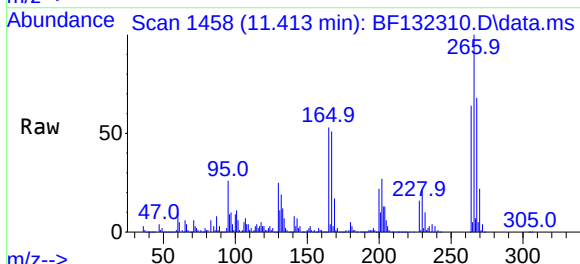
Tgt Ion:200 Resp: 24338  
Ion Ratio Lower Upper  
200 100  
173 26.7 5.1 45.1  
215 47.0 27.6 67.6

Manual Integrations  
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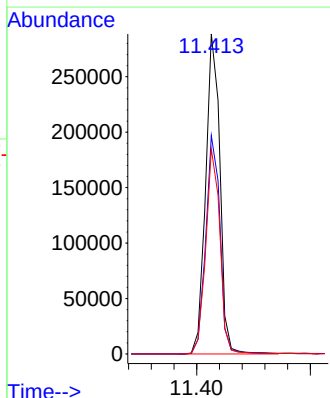
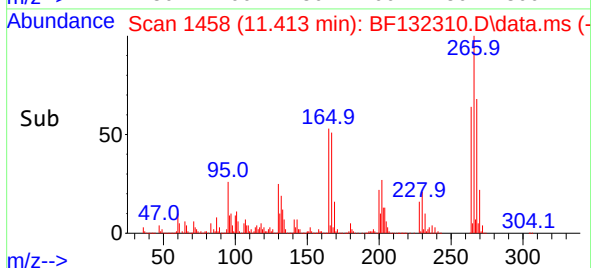
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023

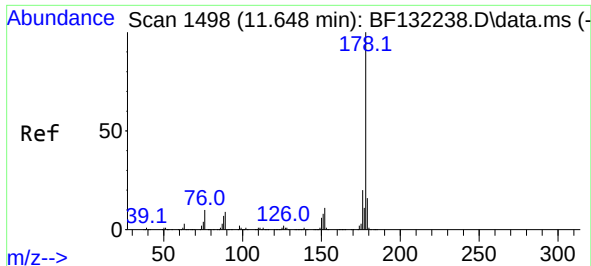


#70  
Pentachlorophenol  
Concen: 74.467 ng  
RT: 11.413 min Scan# 1458  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00



Tgt Ion:266 Resp: 251703  
Ion Ratio Lower Upper  
266 100  
268 68.3 53.0 79.4  
264 64.0 50.5 75.7





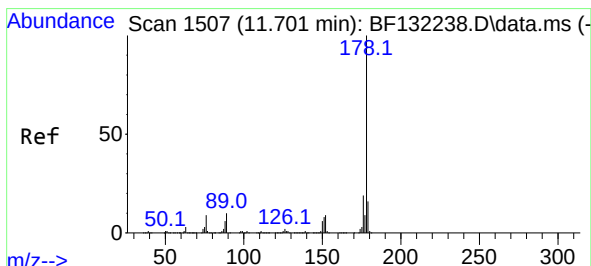
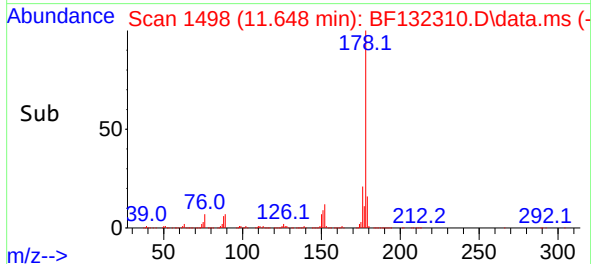
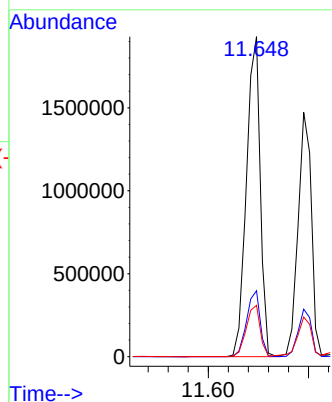
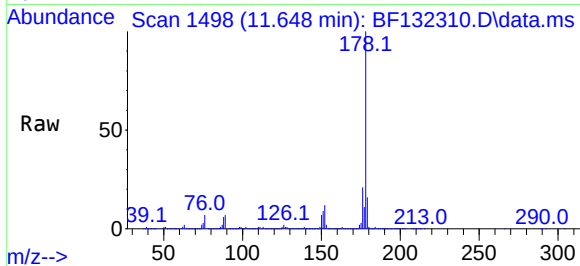
#71  
Phenanthrene  
Concen: 78.762 ng  
RT: 11.648 min Scan# 1498  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS

Tgt Ion:178 Resp: 1849915  
Ion Ratio Lower Upper  
178 100  
176 20.6 16.2 24.4  
179 16.1 12.8 19.2

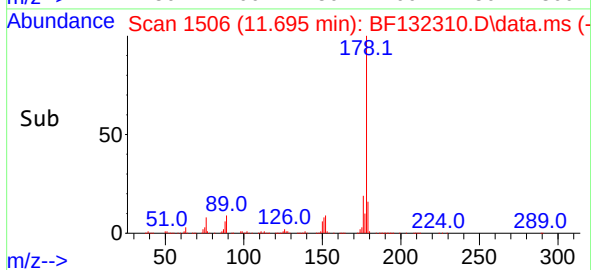
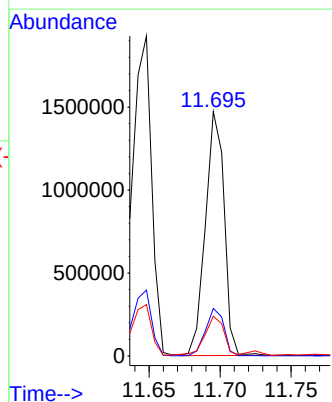
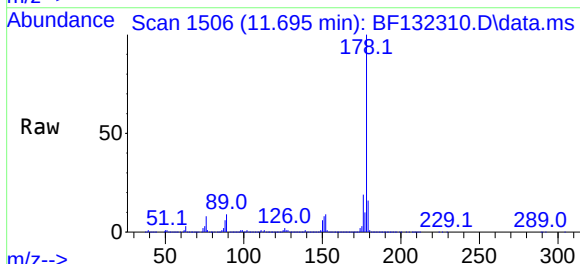
Manual Integrations  
APPROVED

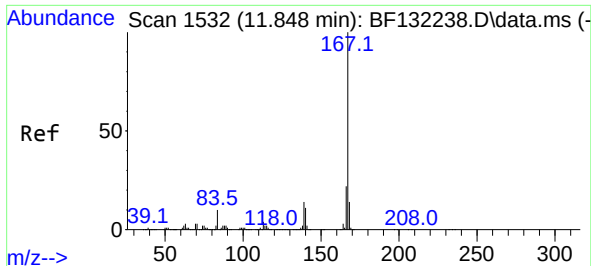
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#72  
Anthracene  
Concen: 56.469 ng  
RT: 11.695 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:178 Resp: 1349773  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.2  
179 16.2 12.8 19.2





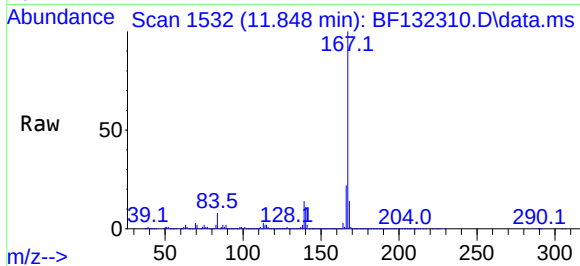
#73  
 Carbazole  
 Concen: 44.971 ng  
 RT: 11.848 min Scan# 1532  
 Delta R.T. -0.000 min  
 Lab File: BF132310.D  
 Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

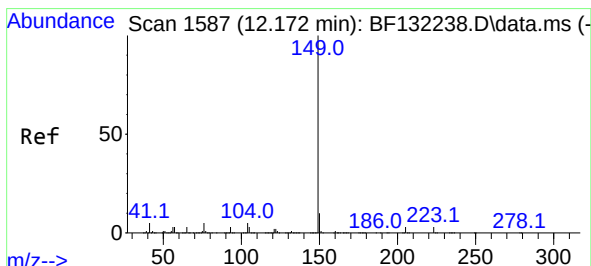
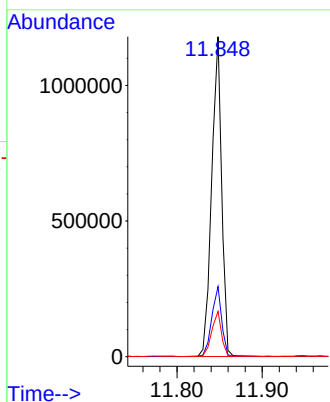
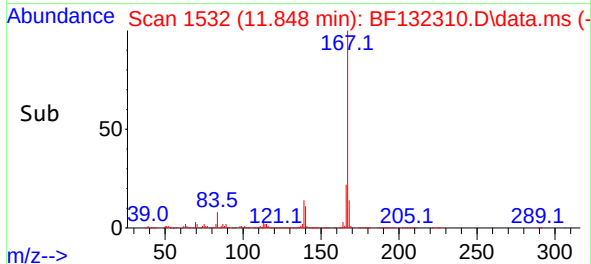


Tgt Ion:167 Resp: 963830  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.4 26.0  
 139 14.2 11.4 17.2

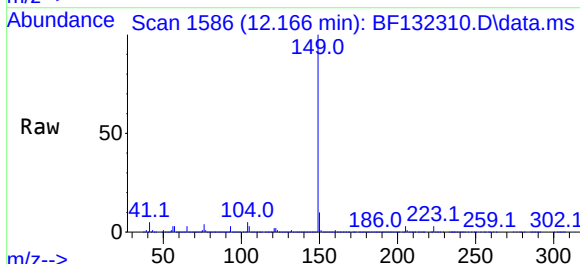
Manual Integrations

APPROVED

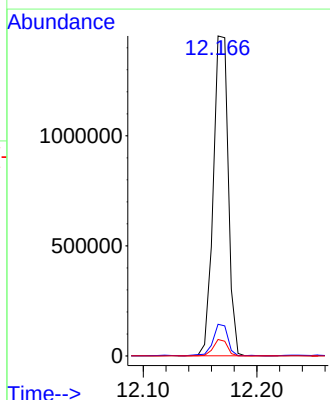
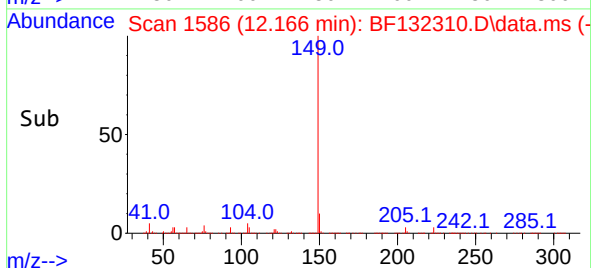
Reviewed By :Christian Giraldo 02/03/2023  
 Supervised By :Jagrut Upadhyay 02/03/2023



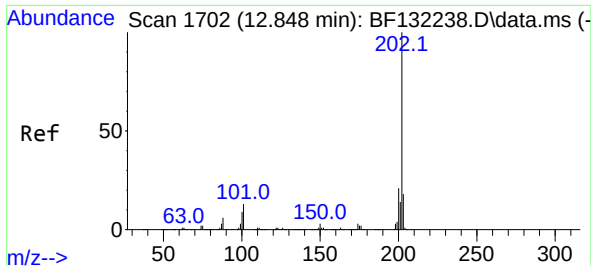
#74  
 Di-n-butylphthalate  
 Concen: 52.431 ng  
 RT: 12.166 min Scan# 1586  
 Delta R.T. -0.006 min  
 Lab File: BF132310.D  
 Acq: 03 Feb 2023 01:00



Tgt Ion:149 Resp: 1328493  
 Ion Ratio Lower Upper  
 149 100  
 150 9.9 7.8 11.8  
 104 5.2 4.3 6.5

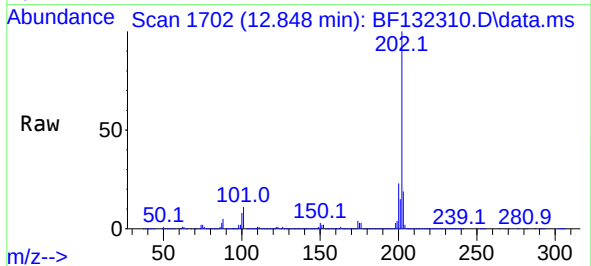






#75  
Fluoranthene  
Concen: 100.010 ng  
RT: 12.848 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

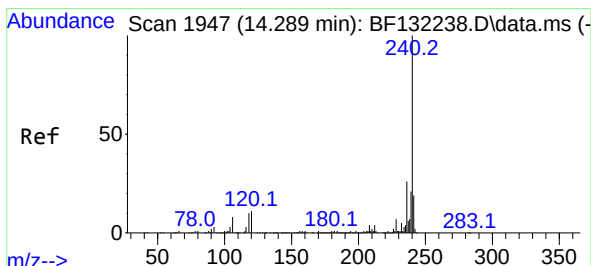
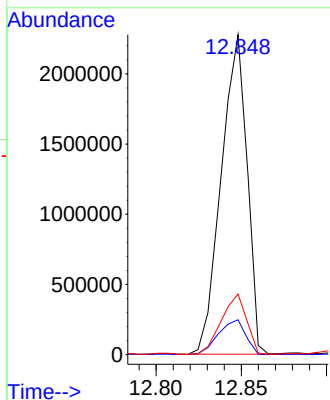
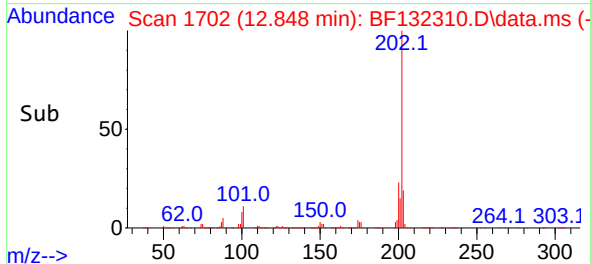
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



Tgt Ion:202 Resp: 239706  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 32.7  
203 18.9 0.0 37.9

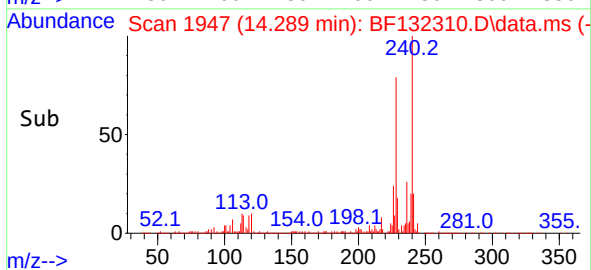
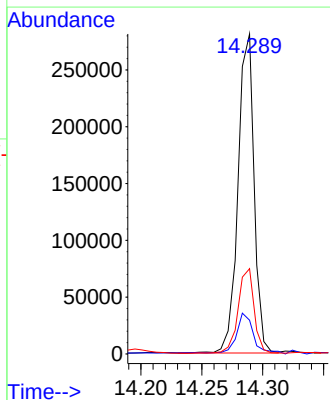
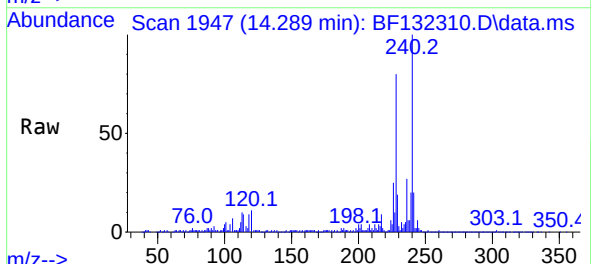
Manual Integrations  
APPROVED

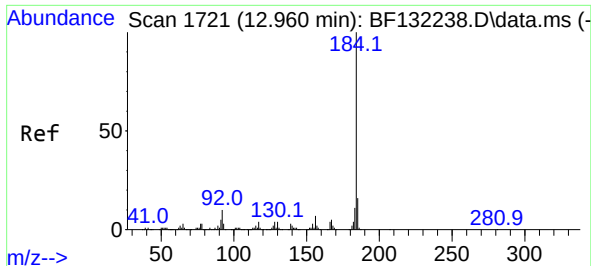
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.289 min Scan# 1947  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

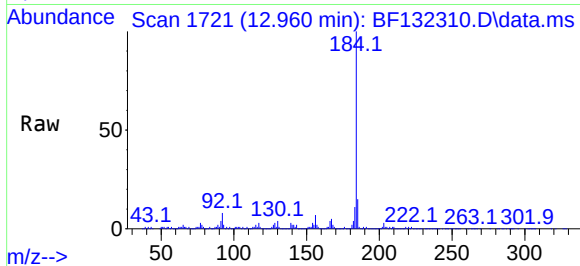
Tgt Ion:240 Resp: 257724  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.8 13.2  
236 26.6 21.0 31.6





#77  
Benzidine  
Concen: 41.396 ng  
RT: 12.960 min Scan# 1721  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

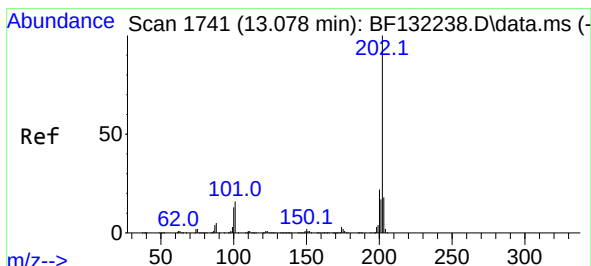
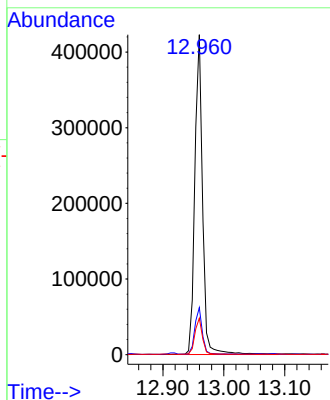
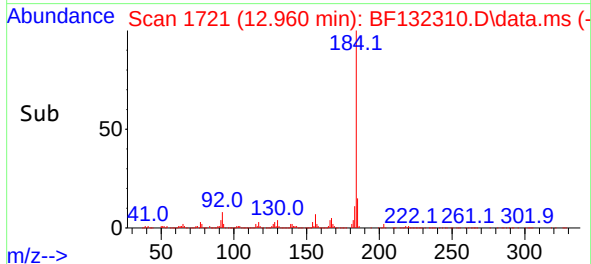
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



Tgt Ion:184 Resp: 372991  
Ion Ratio Lower Upper  
184 100  
185 14.7 12.6 18.8  
183 11.4 8.9 13.3

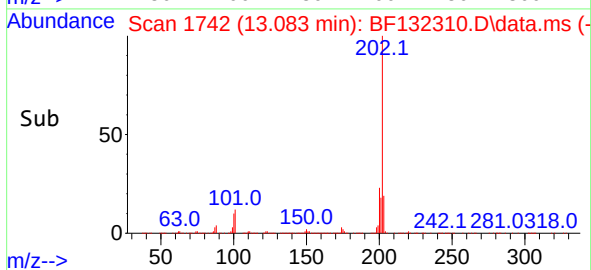
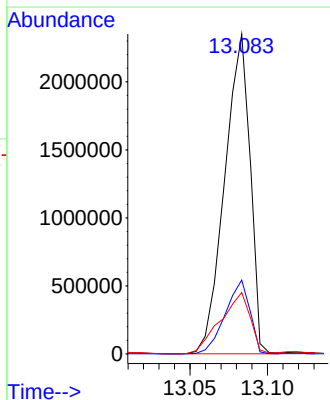
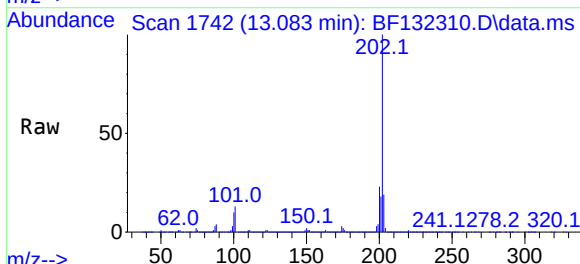
Manual Integrations  
APPROVED

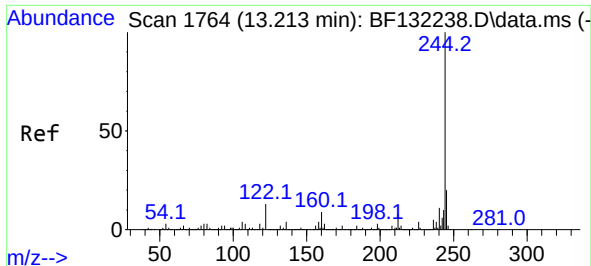
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#78  
Pyrene  
Concen: 129.086 ng  
RT: 13.083 min Scan# 1742  
Delta R.T. 0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:202 Resp: 2675806  
Ion Ratio Lower Upper  
202 100  
200 23.1 17.3 25.9  
203 19.2 14.4 21.6





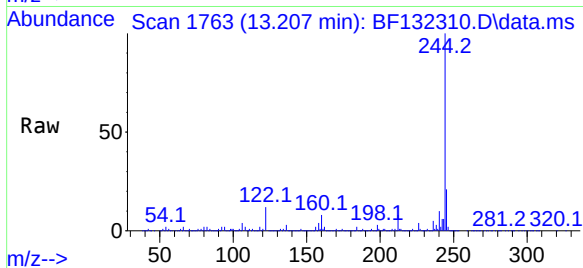
#79  
Terphenyl-d14  
Concen: 70.877 ng  
RT: 13.207 min Scan# 1763  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

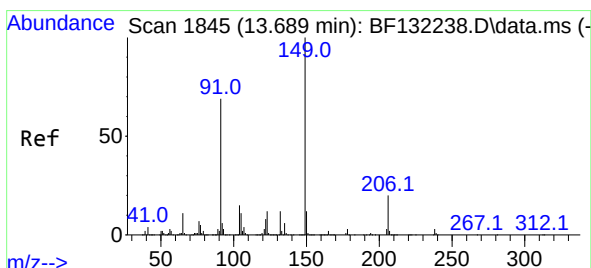
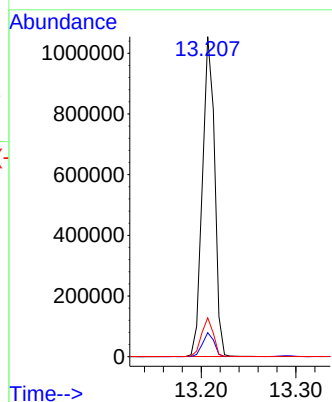
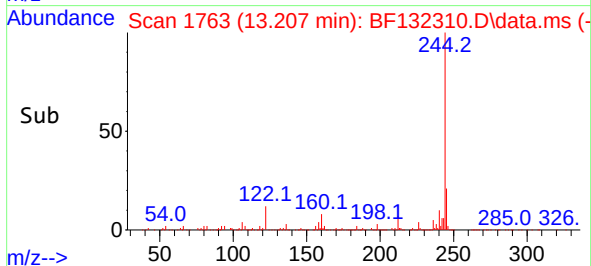


Tgt Ion:244 Resp: 944308  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.4 9.6  
122 12.1 10.5 15.7

Manual Integrations

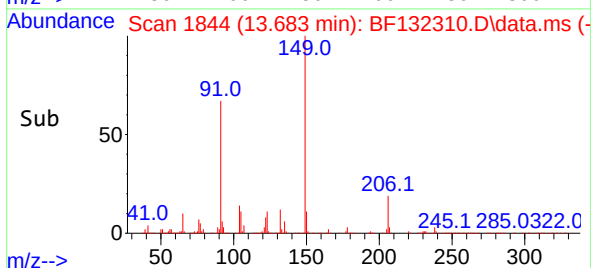
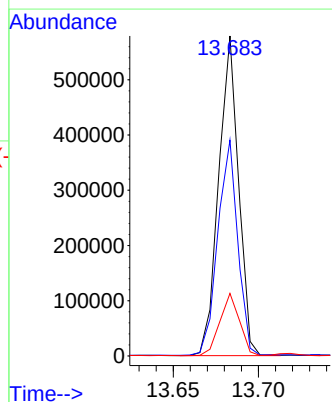
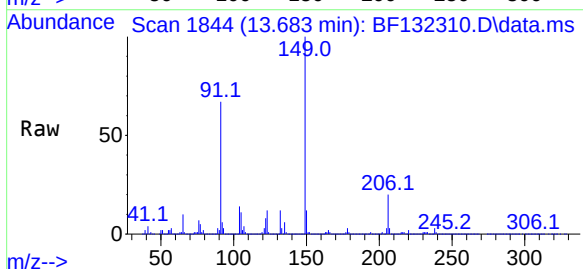
APPROVED

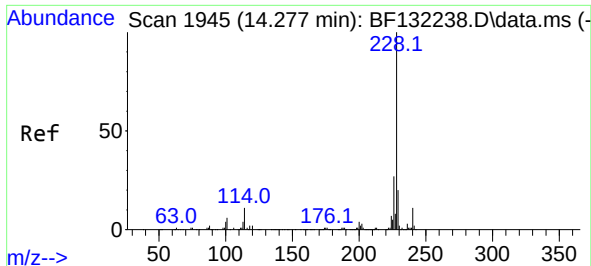
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#80  
Butylbenzylphthalate  
Concen: 51.240 ng  
RT: 13.683 min Scan# 1844  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:149 Resp: 469271  
Ion Ratio Lower Upper  
149 100  
91 67.4 55.0 82.6  
206 19.5 15.9 23.9





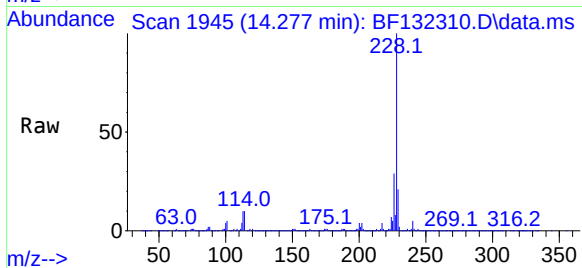
#81  
Benzo(a)anthracene  
Concen: 106.154 ng  
RT: 14.277 min Scan# 1945  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

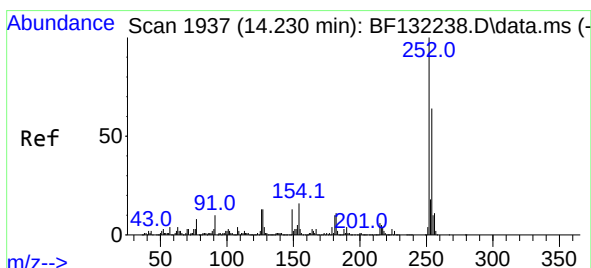
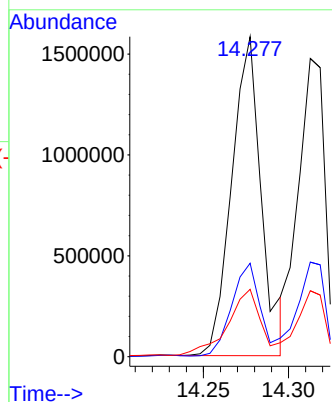
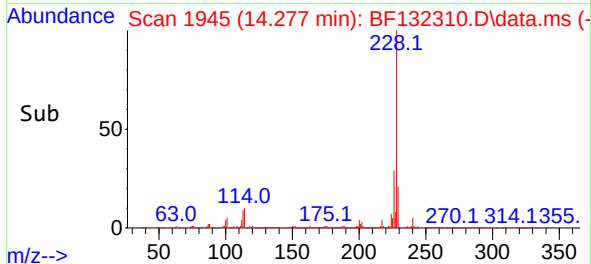


Tgt Ion:228 Resp: 1913494  
Ion Ratio Lower Upper  
228 100  
226 29.2 22.0 33.0  
229 21.1 15.8 23.6

Manual Integrations

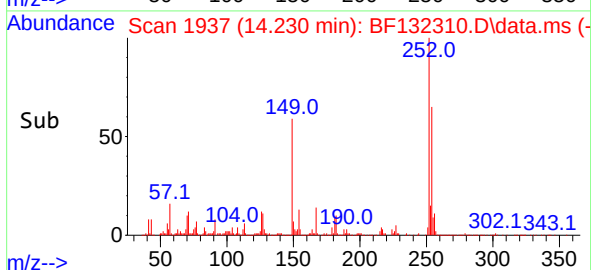
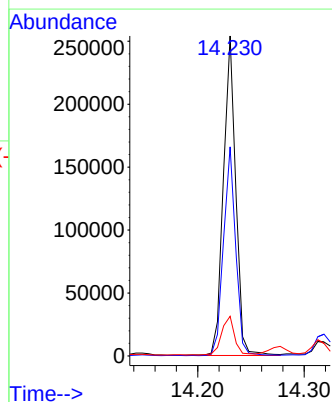
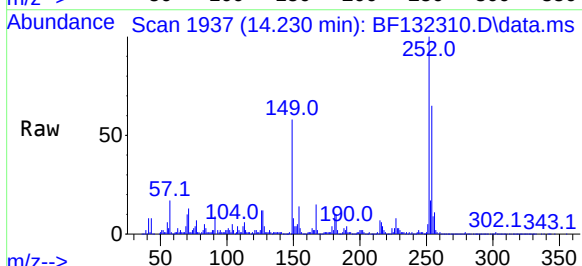
APPROVED

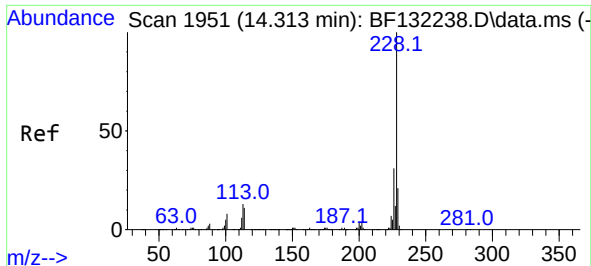
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 35.533 ng  
RT: 14.230 min Scan# 1937  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

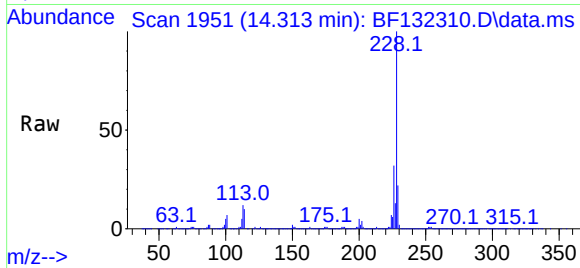
Tgt Ion:252 Resp: 204001  
Ion Ratio Lower Upper  
252 100  
254 65.4 51.6 77.4  
126 12.4 10.5 15.7





#83  
Chrysene  
Concen: 94.680 ng  
RT: 14.313 min Scan# 1951  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

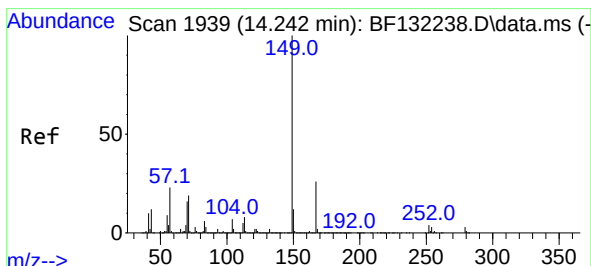
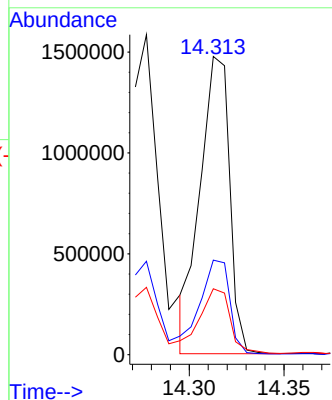
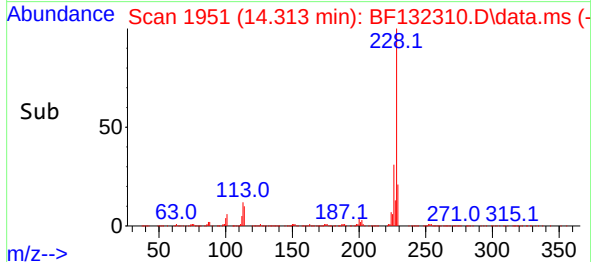
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



Tgt Ion:228 Resp: 159807  
Ion Ratio Lower Upper  
228 100  
226 31.7 24.9 37.3  
229 22.1 16.4 24.6

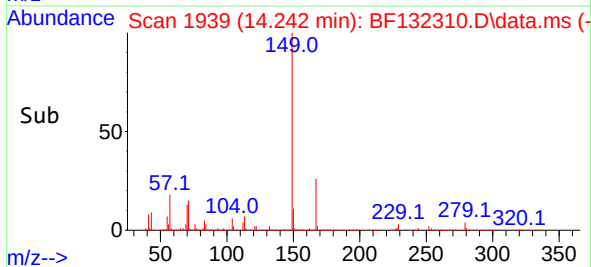
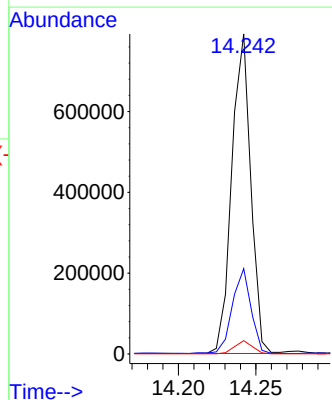
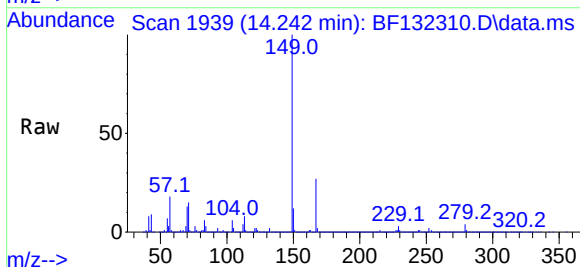
Manual Integrations  
APPROVED

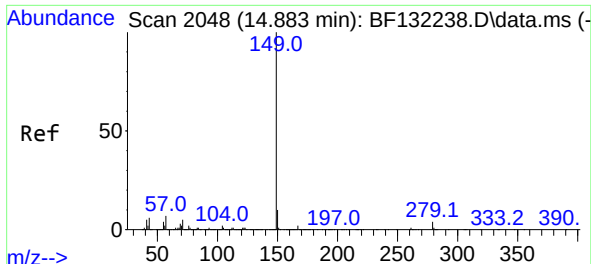
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 54.427 ng  
RT: 14.242 min Scan# 1939  
Delta R.T. -0.000 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

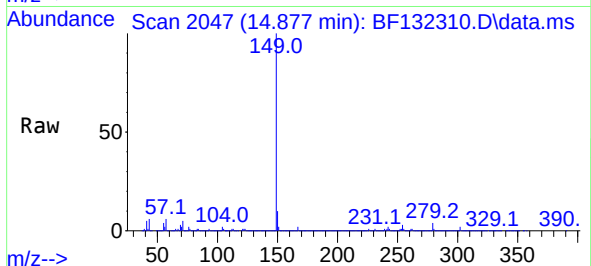
Tgt Ion:149 Resp: 673755  
Ion Ratio Lower Upper  
149 100  
167 26.6 20.7 31.1  
279 4.2 2.7 4.1#





#85  
Di-n-octyl phthalate  
Concen: 59.486 ng  
RT: 14.877 min Scan# 2048  
Delta R.T. -0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

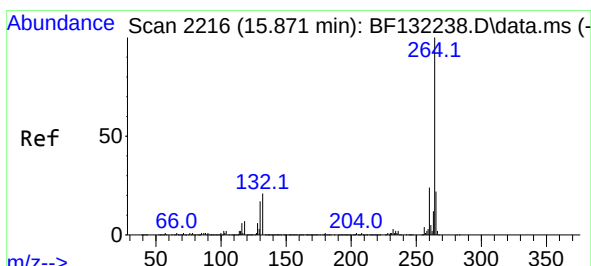
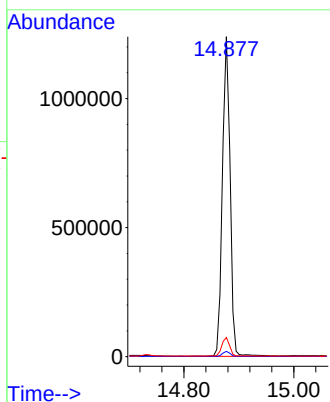
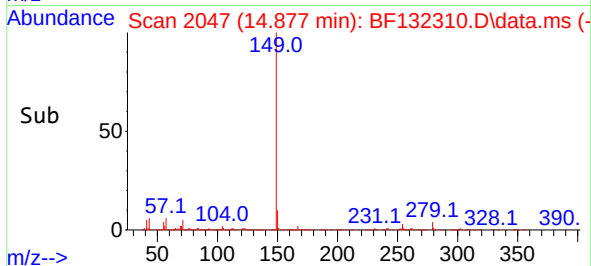
Instrument :  
BNA\_F  
ClientSampleId :  
JPP-9-013123MS



Tgt Ion:149 Resp: 1201084  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 6.0 5.9 8.9

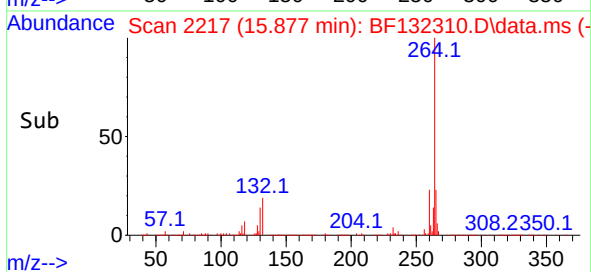
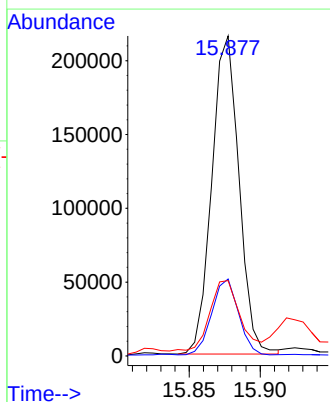
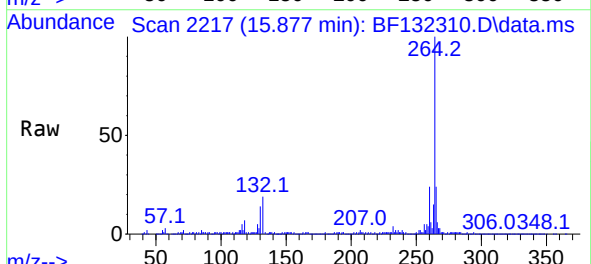
Manual Integrations  
APPROVED

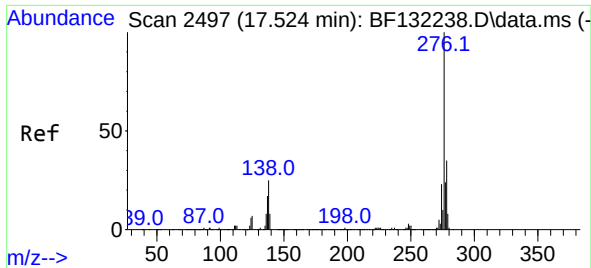
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.877 min Scan# 2217  
Delta R.T. 0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:264 Resp: 286822  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.0 28.4  
265 23.5 17.4 26.2





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 80.729 ng  
RT: 17.542 min Scan# 2137  
Delta R.T. 0.018 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

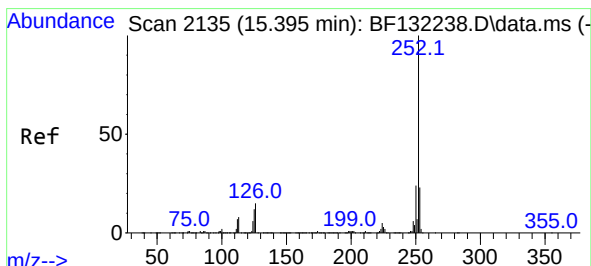
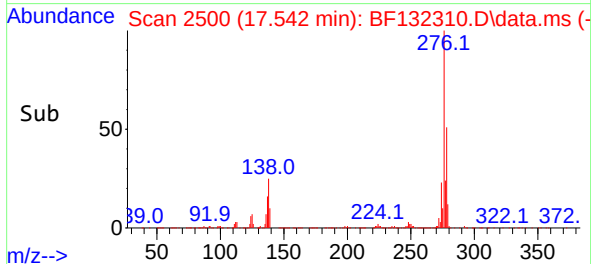
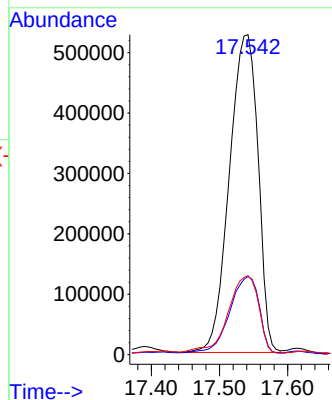
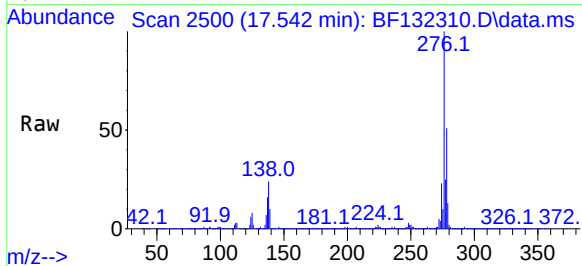
JPP-9-013123MS

Tgt Ion:276 Resp: 153855  
Ion Ratio Lower Upper  
276 100  
138 24.3 23.3 34.9  
277 25.9 20.0 30.0

Manual Integrations

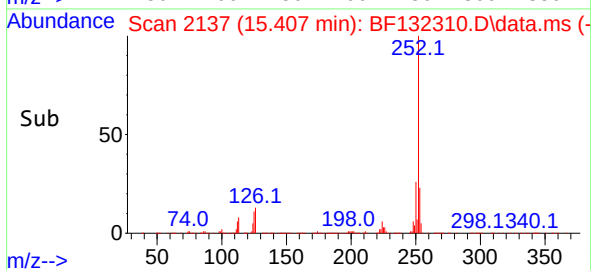
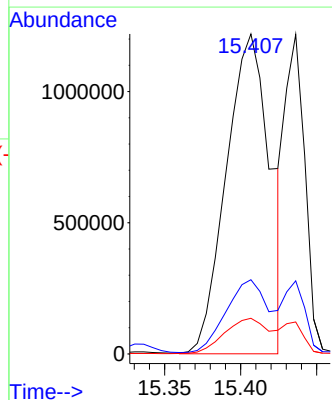
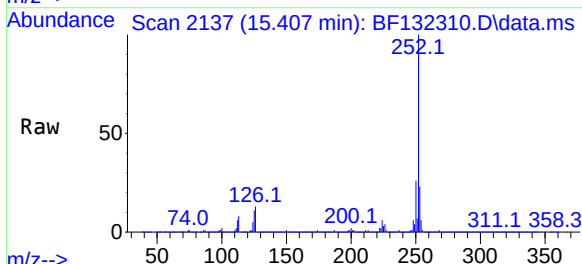
APPROVED

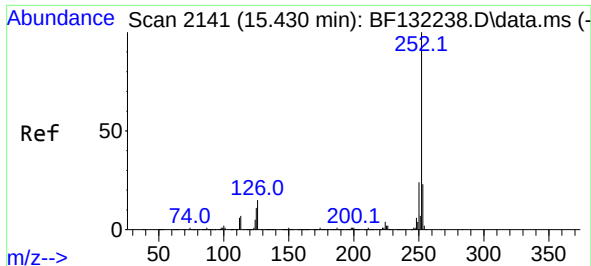
Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#88  
Benzo(b)fluoranthene  
Concen: 133.877 ng m  
RT: 15.407 min Scan# 2137  
Delta R.T. 0.012 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:252 Resp: 2440799  
Ion Ratio Lower Upper  
252 100  
253 23.2 18.1 27.1  
125 11.1 9.6 14.4





#89

Benzo(k)fluoranthene

Concen: 63.759 ng

RT: 15.436 min Scan# 2141

Delta R.T. 0.006 min

Lab File: BF132310.D

Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

JPP-9-013123MS

Tgt Ion:252 Resp: 1109578

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

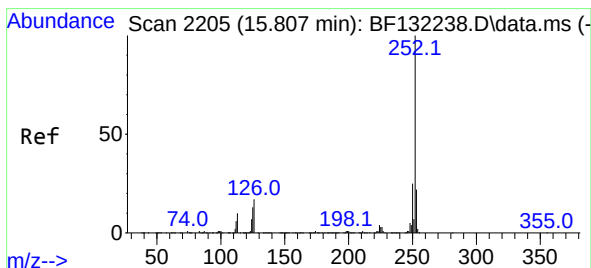
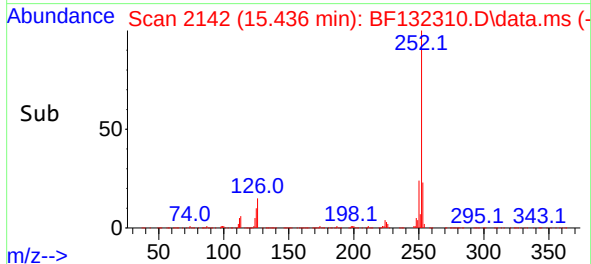
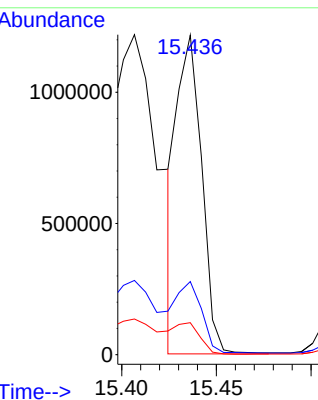
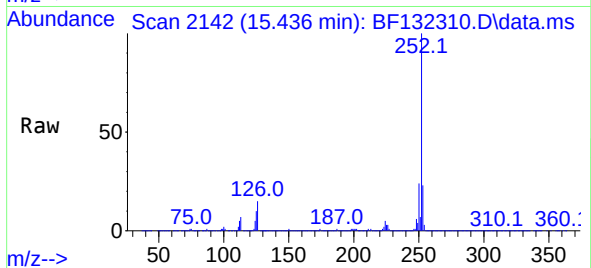
125 10.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#90

Benzo(a)pyrene

Concen: 112.558 ng

RT: 15.818 min Scan# 2207

Delta R.T. 0.012 min

Lab File: BF132310.D

Acq: 03 Feb 2023 01:00

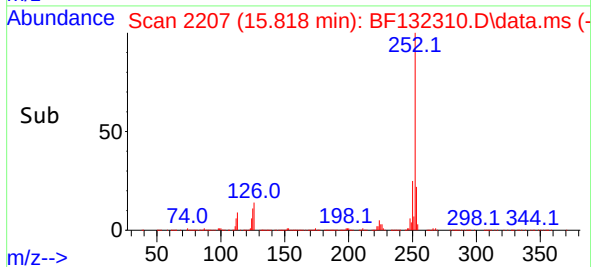
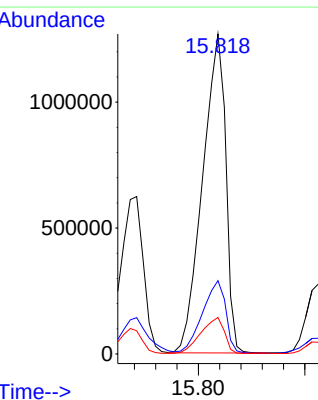
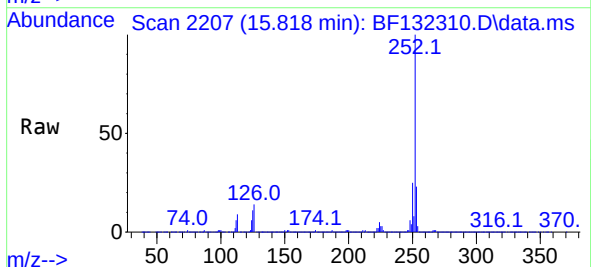
Tgt Ion:252 Resp: 1910932

Ion Ratio Lower Upper

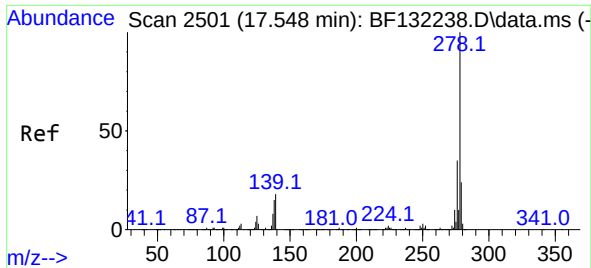
252 100

253 22.9 17.8 26.8

125 11.4 10.2 15.4







#91  
Dibenzo(a,h)anthracene  
Concen: 53.143 ng  
RT: 17.554 min Scan# 2501  
Delta R.T. 0.006 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Instrument :

BNA\_F

ClientSampleId :

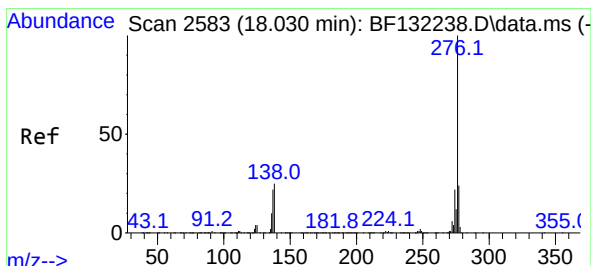
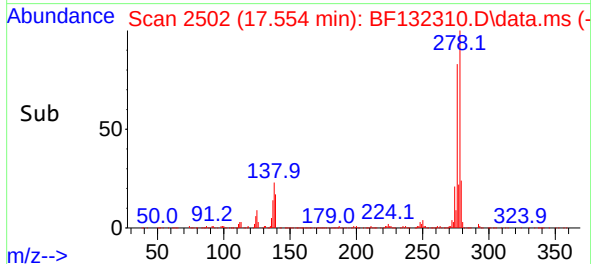
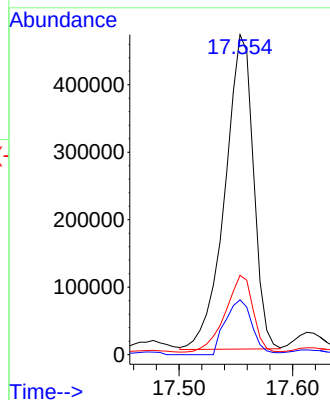
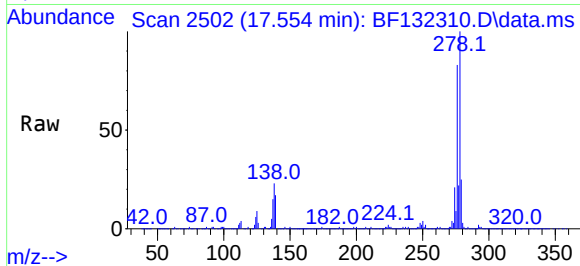
JPP-9-013123MS

Tgt Ion:278 Resp: 814290  
Ion Ratio Lower Upper  
278 100  
139 17.1 14.2 21.2  
279 24.8 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023  
Supervised By :Jagrut Upadhyay 02/03/2023



#92  
Benzo(g,h,i)perylene  
Concen: 85.178 ng  
RT: 18.048 min Scan# 2586  
Delta R.T. 0.018 min  
Lab File: BF132310.D  
Acq: 03 Feb 2023 01:00

Tgt Ion:276 Resp: 1348344  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.4 29.2  
138 23.8 20.3 30.5

