

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122723\  
 Data File : BF136783.D  
 Acq On : 28 Dec 2023 04:11  
 Operator : CG\JU  
 Sample : 05940-05MSD 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-04-122023MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Dec 28 04:33:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 58225    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 189768   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.816  | 164  | 83061    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 165089   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 143925   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.451 | 264  | 108781   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 60454    | 16.200 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 70930    | 14.669 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.339  | 82   | 42232    | 11.388 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 16385    | 16.750 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 80062    | 12.964 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 98734    | 9.587  | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.522  | 88   | 13568    | 8.726  | ng    | 92       |
| 3) Pyridine                   | 3.310  | 79   | 26573    | 7.005  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.240  | 42   | 15495    | 7.649  | ng    | 92       |
| 6) Aniline                    | 6.445  | 93   | 23517    | 4.864  | ng    | # 53     |
| 8) 2-Chlorophenol             | 6.575  | 128  | 31660    | 7.753  | ng    | 96       |
| 9) Benzaldehyde               | 6.339  | 77   | 8260     | 3.003  | ng    | 97       |
| 10) Phenol                    | 6.439  | 94   | 39520    | 7.656  | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 6.516  | 93   | 32110    | 8.180  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.722  | 146  | 35767    | 8.029  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.798  | 146  | 37291    | 8.192  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 34110    | 8.053  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.928  | 79   | 24444    | 7.493  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 50953    | 7.939  | ng    | 98       |
| 17) 2-Methylphenol            | 7.039  | 107  | 24829    | 7.339  | ng    | 99       |
| 18) Hexachloroethane          | 7.286  | 117  | 10904    | 6.596  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.186  | 70   | 21843    | 7.452  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 32288    | 7.639  | ng    | # 59     |
| 22) Acetophenone              | 7.186  | 105  | 45800    | 9.629  | ng    | # 89     |
| 24) Nitrobenzene              | 7.357  | 77   | 30868    | 8.309  | ng    | 99       |
| 25) Isophorone                | 7.598  | 82   | 56074    | 8.310  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.680  | 139  | 9613     | 5.408  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 22680    | 10.481 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.810  | 93   | 35833    | 8.736  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 20955    | 7.522  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 26462    | 8.525  | ng    | 95       |
| 31) Naphthalene               | 8.080  | 128  | 90185    | 8.651  | ng    | 100      |
| 32) Benzoic acid              | 7.816  | 122  | 12411m   | 5.928  | ng    |          |
| 33) 4-Chloroaniline           | 8.133  | 127  | 20877    | 5.424  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 16821    | 8.920  | ng    | 91       |
| 35) Caprolactam               | 8.475  | 113  | 6764     | 7.360  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.622  | 107  | 21623    | 6.895  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 54769    | 8.163  | ng    | 96       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 51519    | 7.827  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 24698    | 9.601  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 211      | 5.140  | ng    | 87       |
| 43) 2,4,6-Trichlorophenol     | 9.057  | 196  | 13989    | 8.480  | ng    | 96       |

12/28/2023  
 Supervised By :Sohil  
 Odhani

12/28/2023

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 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

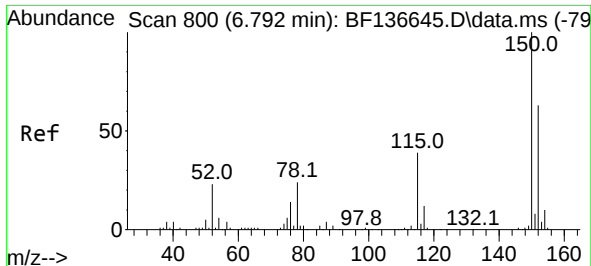
Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                              |
|-------------------------------|--------|------|----------|--------|-------|----------|------------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 15556    | 8.462  | ng    | 94       | 12/28/2023                   |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 67516    | 9.687  | ng    | 98       | Supervised By :Sohil Jodhani |
| 47) 2-Chloronaphthalene       | 9.263  | 162  | 46941    | 8.859  | ng    | 96       |                              |
| 48) 2-Nitroaniline            | 9.363  | 65   | 15627    | 9.418  | ng    | 95       |                              |
| 49) Acenaphthylene            | 9.674  | 152  | 84708    | 10.459 | ng    | 98       |                              |
| 50) Dimethylphthalate         | 9.533  | 163  | 54948    | 9.057  | ng    | 99       |                              |
| 51) 2,6-Dinitrotoluene        | 9.604  | 165  | 10238    | 7.435  | ng    | 98       | 12/28/2023                   |
| 52) Acenaphthene              | 9.851  | 154  | 48008    | 9.562  | ng    | 98       |                              |
| 53) 3-Nitroaniline            | 9.774  | 138  | 12186    | 8.355  | ng    | 86       |                              |
| 55) Dibenzofuran              | 10.022 | 168  | 74954    | 9.849  | ng    | 98       |                              |
| 56) 4-Nitrophenol             | 9.957  | 139  | 14327    | 14.551 | ng    | 95       |                              |
| 57) 2,4-Dinitrotoluene        | 10.010 | 165  | 12199    | 6.825  | ng    | #        | 97                           |
| 58) Fluorene                  | 10.369 | 166  | 69092    | 11.442 | ng    |          | 99                           |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232  | 12750    | 9.010  | ng    |          | 97                           |
| 60) Diethylphthalate          | 10.239 | 149  | 58071    | 9.225  | ng    |          | 98                           |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 26069    | 8.882  | ng    |          | 92                           |
| 62) 4-Nitroaniline            | 10.380 | 138  | 12550m   | 8.925  | ng    |          |                              |
| 63) Azobenzene                | 10.521 | 77   | 49456    | 8.412  | ng    |          | 94                           |
| 66) n-Nitrosodiphenylamine    | 10.480 | 169  | 48500    | 9.044  | ng    |          | 99                           |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248  | 15763    | 8.598  | ng    |          | 98                           |
| 68) Hexachlorobenzene         | 10.916 | 284  | 16092    | 7.876  | ng    |          | 94                           |
| 69) Atrazine                  | 11.010 | 200  | 15297    | 11.152 | ng    |          | 91                           |
| 70) Pentachlorophenol         | 11.121 | 266  | 13033    | 13.685 | ng    |          | 100                          |
| 71) Phenanthrene              | 11.333 | 178  | 191985   | 22.664 | ng    |          | 99                           |
| 72) Anthracene                | 11.386 | 178  | 112827   | 13.152 | ng    |          | 98                           |
| 73) Carbazole                 | 11.545 | 167  | 80851    | 9.996  | ng    |          | 100                          |
| 74) Di-n-butylphthalate       | 11.874 | 149  | 97241    | 9.853  | ng    |          | 99                           |
| 75) Fluoranthene              | 12.533 | 202  | 279590   | 30.857 | ng    |          | 99                           |
| 77) Benzidine                 | 12.657 | 184  | 36797    | 8.671  | ng    |          | 98                           |
| 78) Pyrene                    | 12.762 | 202  | 259340   | 18.356 | ng    |          | 99                           |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 44919    | 8.737  | ng    |          | 97                           |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 164064   | 16.416 | ng    |          | 98                           |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 27283    | 9.613  | ng    |          | 95                           |
| 83) Chrysene                  | 13.992 | 228  | 140067   | 14.332 | ng    |          | 98                           |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 68213    | 10.546 | ng    | #        | 93                           |
| 85) Di-n-octyl phthalate      | 14.562 | 149  | 113884   | 11.382 | ng    | #        | 98                           |
| 87) Indeno(1,2,3-cd)pyrene    | 16.950 | 276  | 77673    | 9.889  | ng    |          | 98                           |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 119382   | 16.431 | ng    |          | 99                           |
| 89) Benzo(k)fluoranthene      | 15.039 | 252  | 84904    | 12.367 | ng    |          | 98                           |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 88369    | 14.409 | ng    |          | 98                           |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 52296    | 8.116  | ng    |          | 96                           |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 62773    | 9.512  | ng    |          | 95                           |

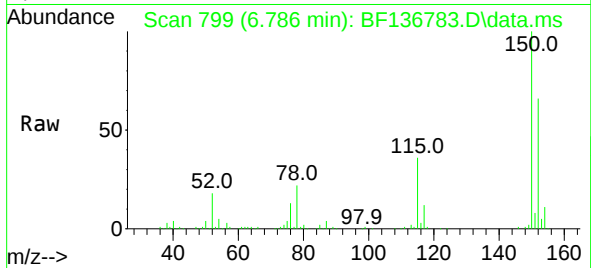
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.786 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

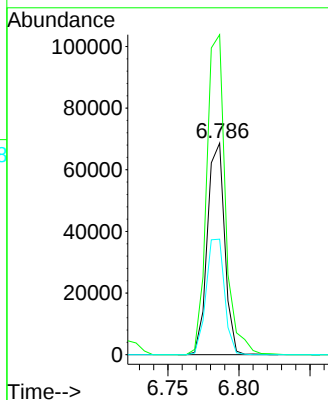
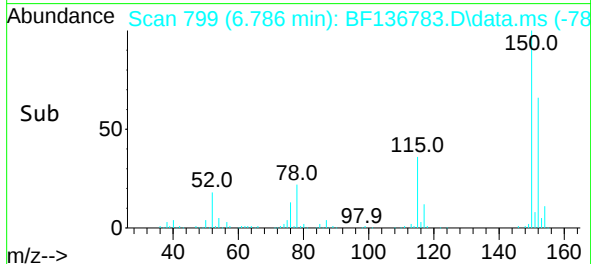
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion: 152 Resp: 58225  
Ion Ratio Lower Upper  
152 100  
150 151.3 127.0 190.6  
115 54.6 49.0 73.4

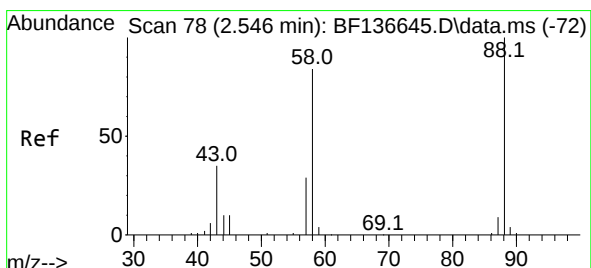
Manual Integrations  
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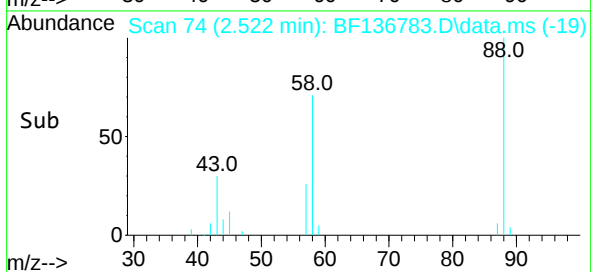
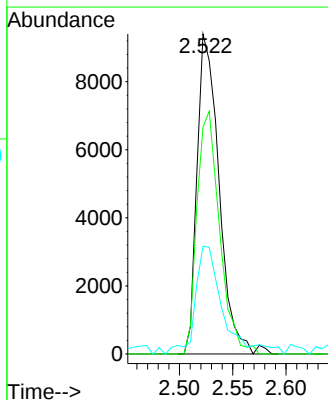
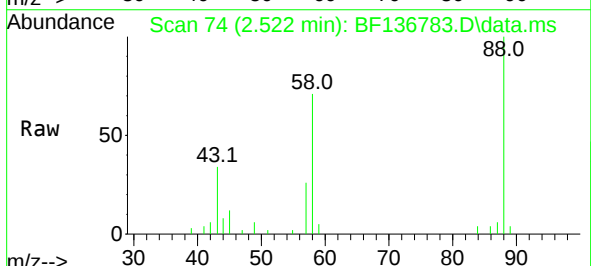
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Jodhani

12/28/2023



#2  
1,4-Dioxane  
Concen: 8.726 ng  
RT: 2.522 min Scan# 74  
Delta R.T. -0.024 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

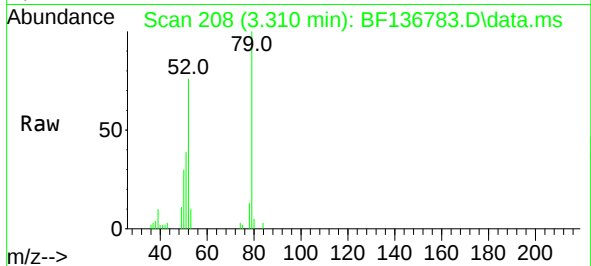
Tgt Ion: 88 Resp: 13568  
Ion Ratio Lower Upper  
88 100  
58 77.6 67.4 101.0  
43 39.4 27.7 41.5





#3  
Pyridine  
Concen: 7.005 ng  
RT: 3.310 min Scan# 207  
Delta R.T. 0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

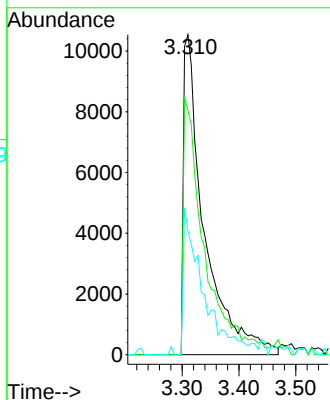
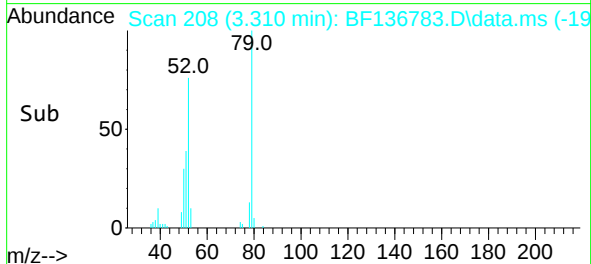
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion: 79 Resp: 2657  
Ion Ratio Lower Upper  
79 100  
52 76.4 67.7 101.5  
51 38.7 34.0 51.0

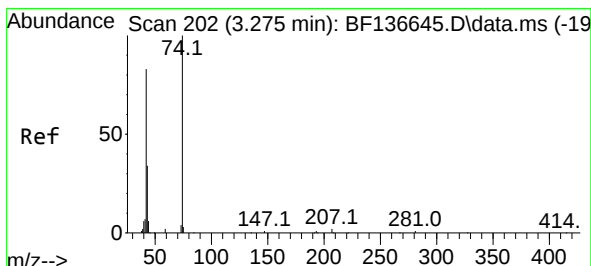
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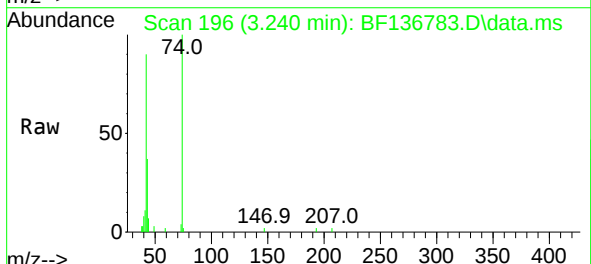


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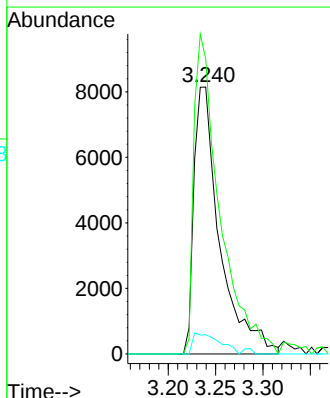
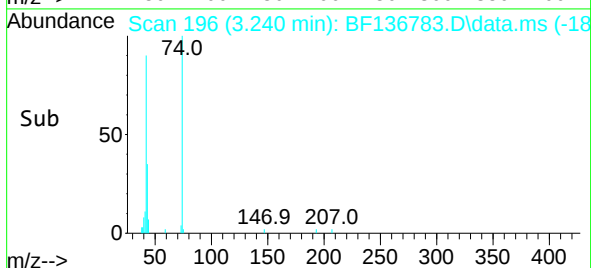
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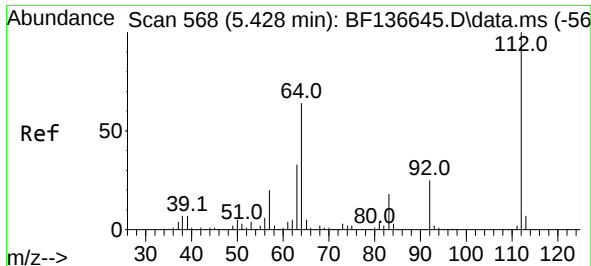


#4  
n-Nitrosodimethylamine  
Concen: 7.649 ng  
RT: 3.240 min Scan# 196  
Delta R.T. -0.035 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion: 42 Resp: 15495  
Ion Ratio Lower Upper  
42 100  
74 110.6 96.0 144.0  
44 7.2 5.4 8.2





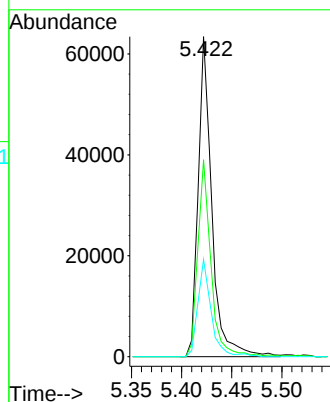
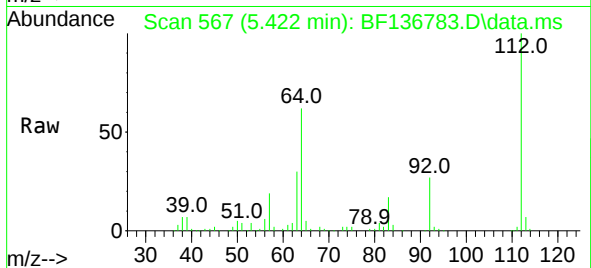
#5  
2-Fluorophenol  
Concen: 16.200 ng  
RT: 5.422 min Scan# 50  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:112 Resp: 60454  
Ion Ratio Lower Upper  
112 100  
64 61.6 51.1 76.7  
63 30.4 26.1 39.1

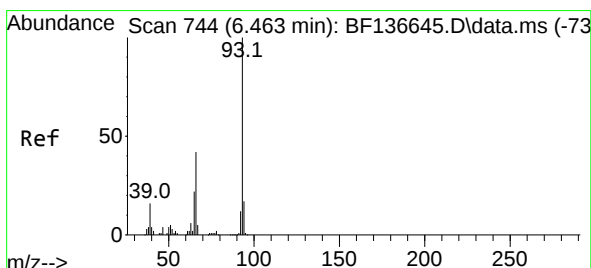
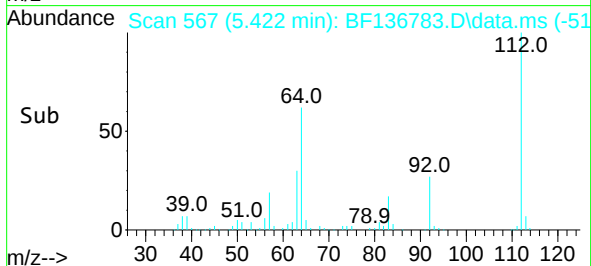
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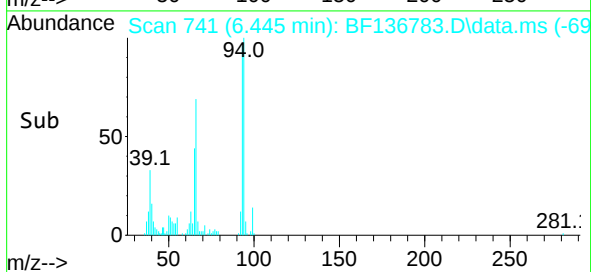
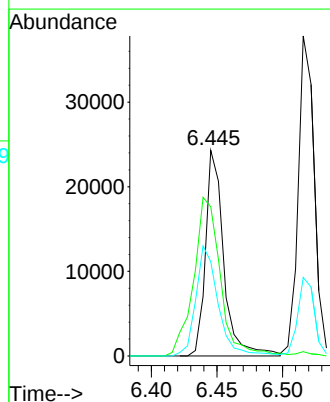
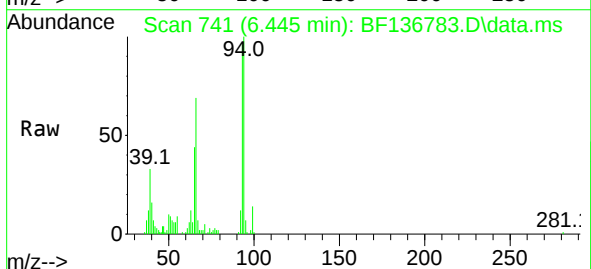
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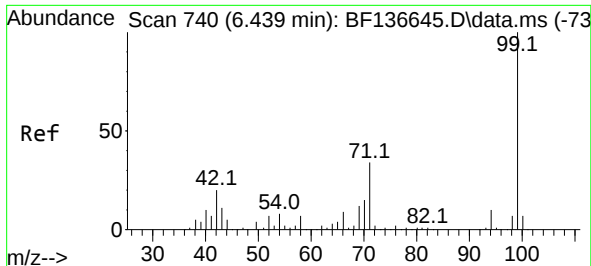
12/28/2023



#6  
Aniline  
Concen: 4.864 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.018 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

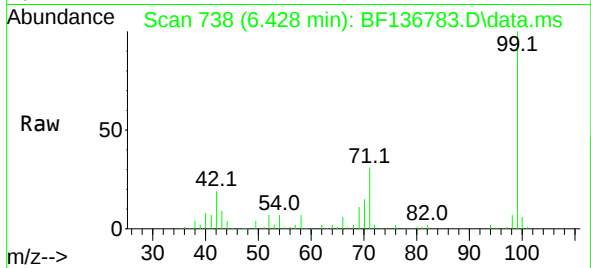
Tgt Ion: 93 Resp: 23517  
Ion Ratio Lower Upper  
93 100  
66 72.5 34.6 51.8#  
65 45.9 17.8 26.8#





#7  
Phenol-d6  
Concen: 14.669 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

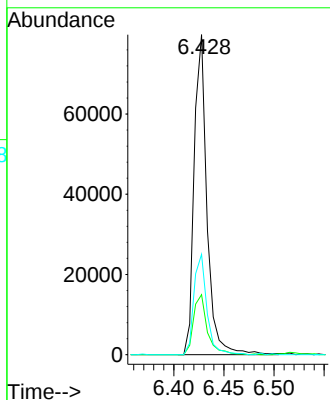
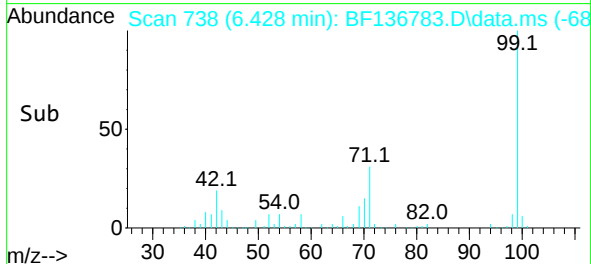
Instrument :  
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PL-04-122023MSD



Tgt Ion: 99 Resp: 70930  
Ion Ratio Lower Upper  
99 100  
42 18.7 16.1 24.1  
71 31.4 27.4 41.2

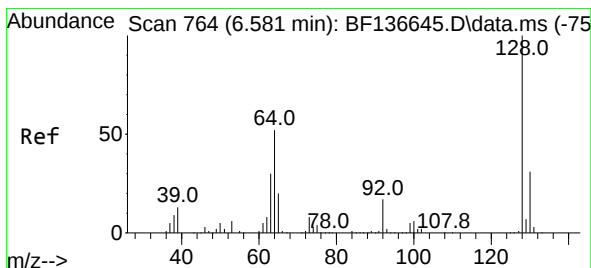
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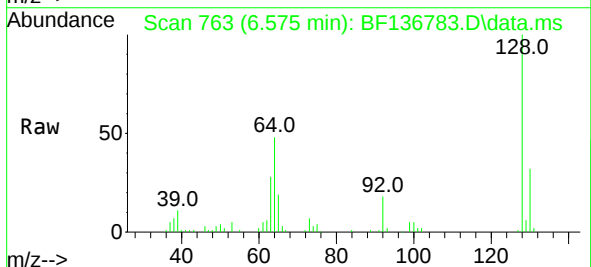


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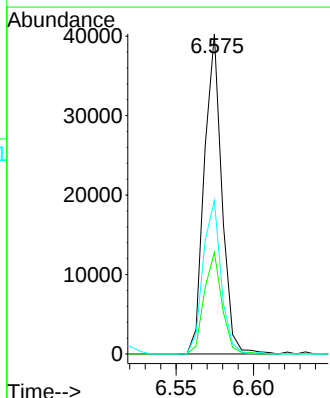
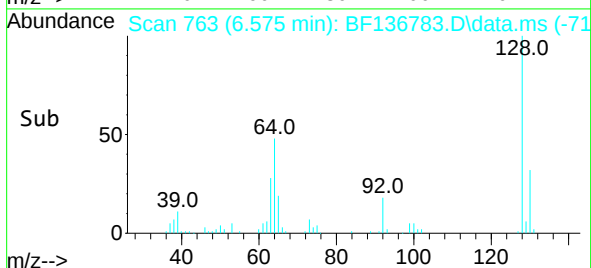
12/28/2023



#8  
2-Chlorophenol  
Concen: 7.753 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



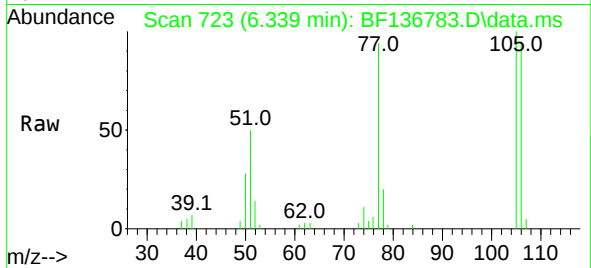
Tgt Ion:128 Resp: 31660  
Ion Ratio Lower Upper  
128 100  
130 31.8 11.3 51.3  
64 48.0 32.5 72.5





#9  
Benzaldehyde  
Concen: 3.003 ng  
RT: 6.339 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

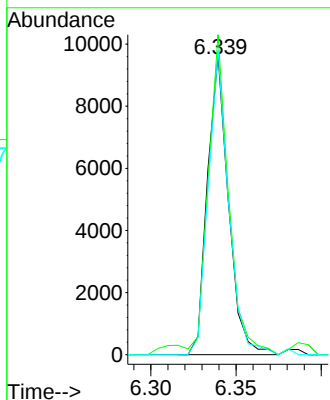
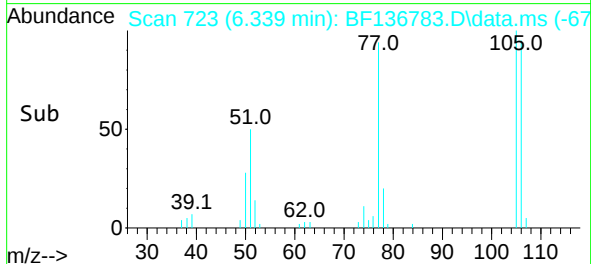
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion: 77 Resp: 8260  
Ion Ratio Lower Upper  
77 100  
105 106.8 84.8 124.8  
106 101.6 77.8 117.8

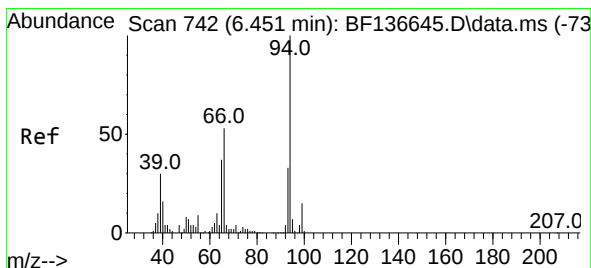
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

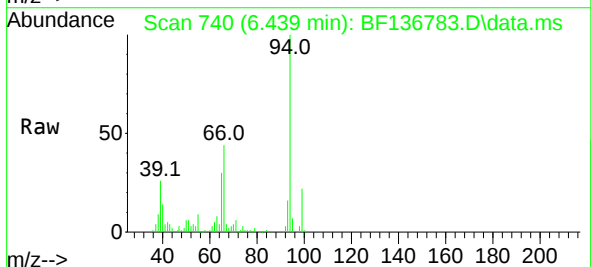


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Supervised By :Sohil  
Jodhani

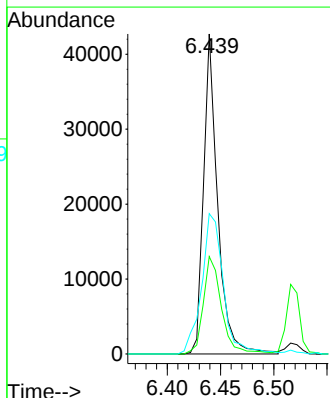
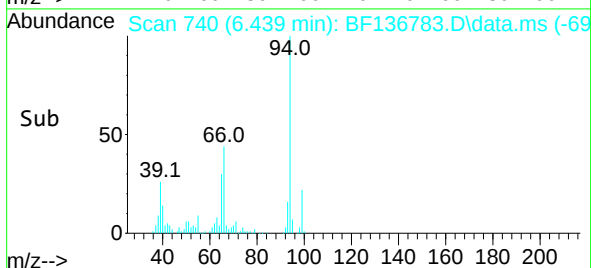
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#10  
Phenol  
Concen: 7.656 ng  
RT: 6.439 min Scan# 740  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



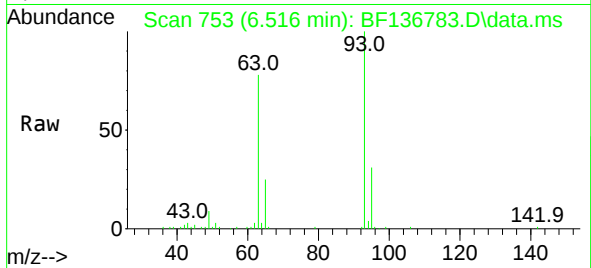
Tgt Ion: 94 Resp: 39520  
Ion Ratio Lower Upper  
94 100  
65 30.5 16.6 56.6  
66 43.9 32.6 72.6





#11  
bis(2-Chloroethyl)ether  
Concen: 8.180 ng  
RT: 6.516 min Scan# 756  
Delta R.T. -0.018 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

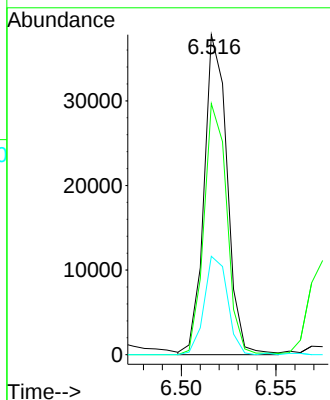
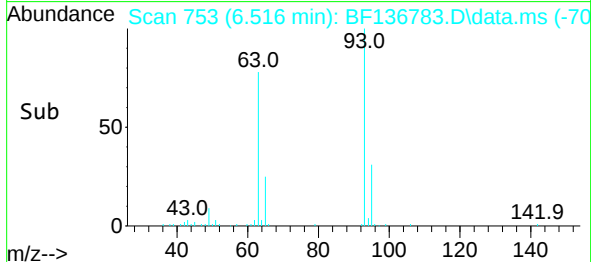
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion: 93 Resp: 32110  
Ion Ratio Lower Upper  
93 100  
63 78.5 61.2 101.2  
95 30.7 11.6 51.6

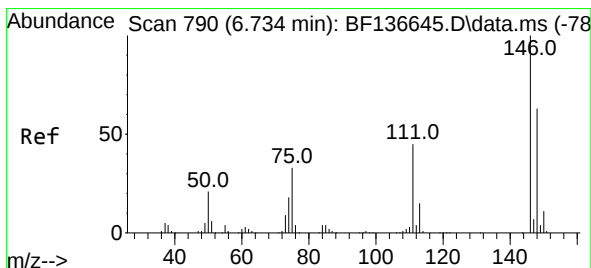
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

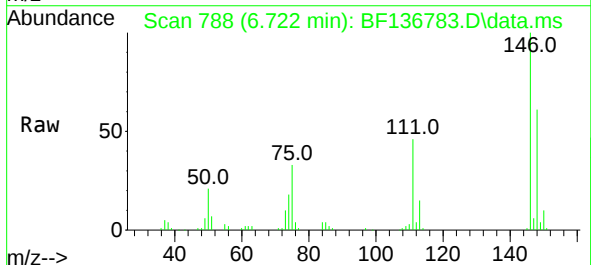


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Supervised By :Sohil  
Jodhani

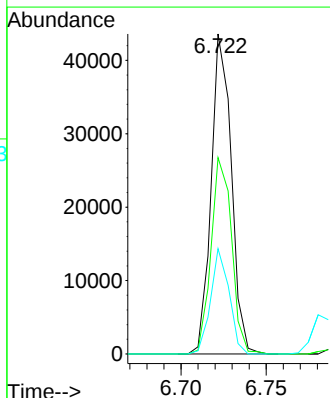
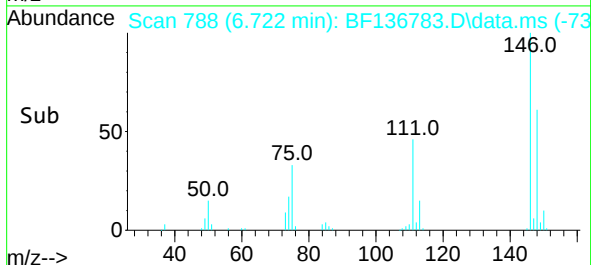
12/28/2023

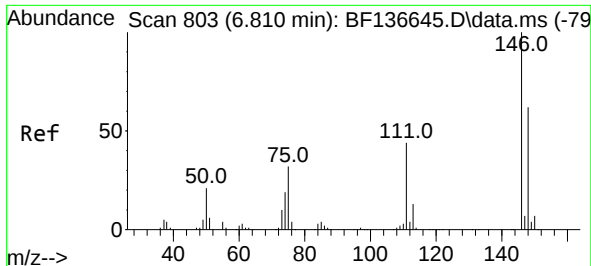


#12  
1,3-Dichlorobenzene  
Concen: 8.029 ng  
RT: 6.722 min Scan# 788  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion:146 Resp: 35767  
Ion Ratio Lower Upper  
146 100  
148 61.4 50.5 75.7  
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 8.192 ng

RT: 6.798 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

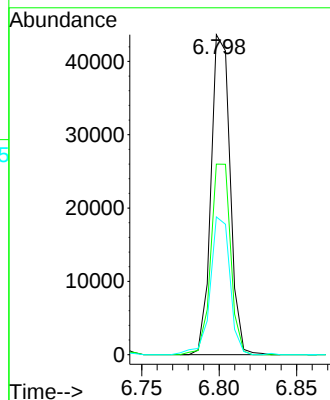
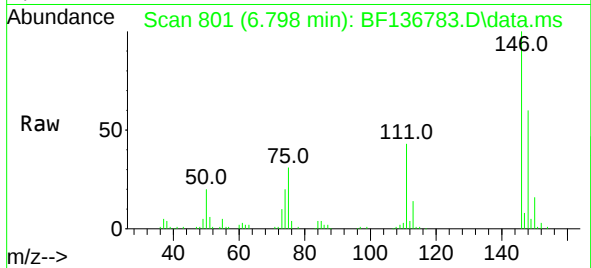
ClientSampleId :

PL-04-122023MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 3729      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 148         | 59.6  | 49.2 73.8 |
| 111         | 43.1  | 35.2 52.8 |

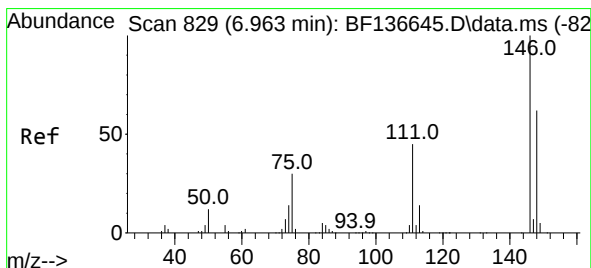
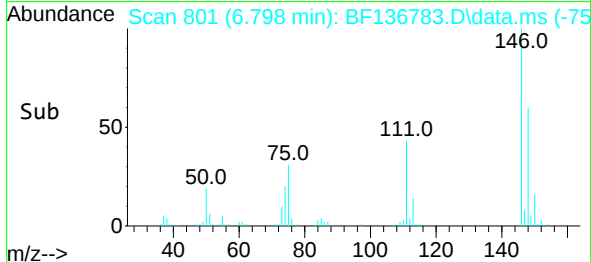
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



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Supervised By :Sohil  
Jodhani

12/28/2023



#14

1,2-Dichlorobenzene

Concen: 8.053 ng

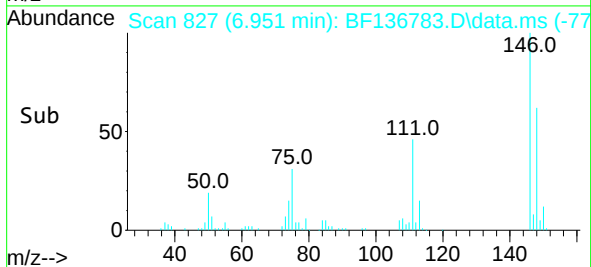
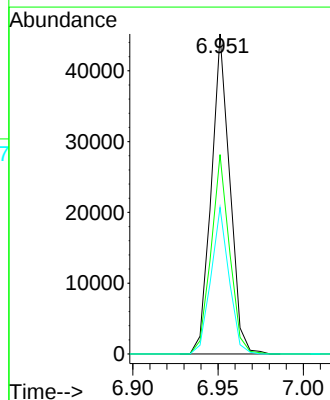
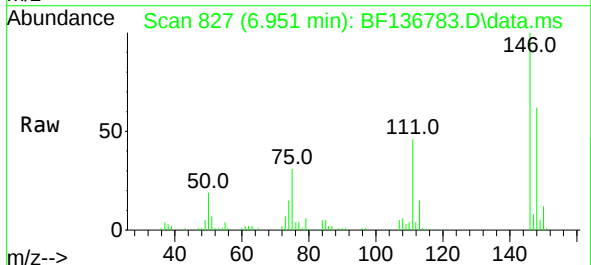
RT: 6.951 min Scan# 827

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

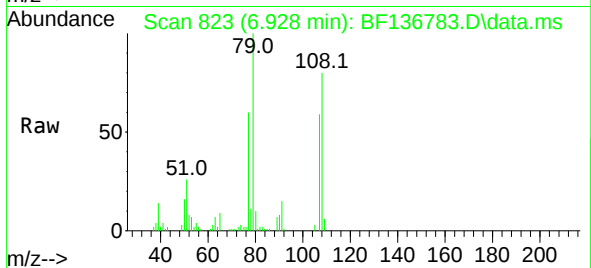
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 34110     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 148         | 62.3  | 49.6 74.4 |
| 111         | 45.8  | 36.2 54.2 |





#15  
Benzyl Alcohol  
Concen: 7.493 ng  
RT: 6.928 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

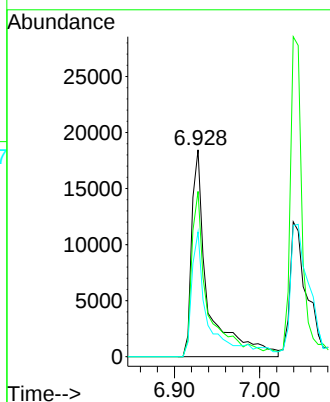
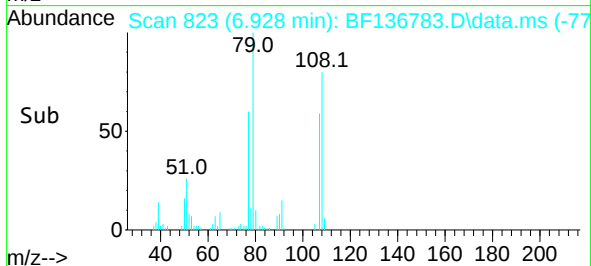
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion: 79 Resp: 2444  
Ion Ratio Lower Upper  
79 100  
108 79.9 61.0 91.6  
77 60.3 49.8 74.8

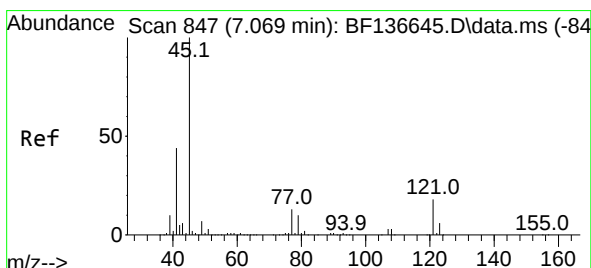
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



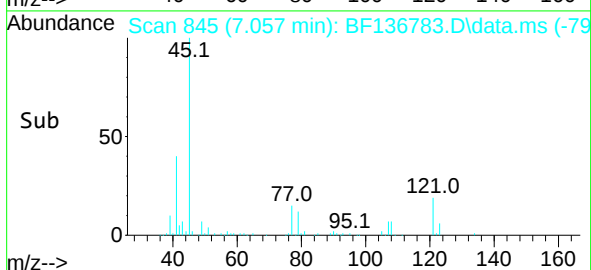
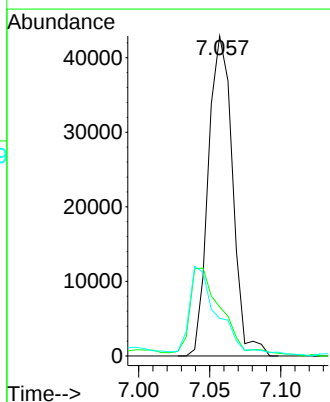
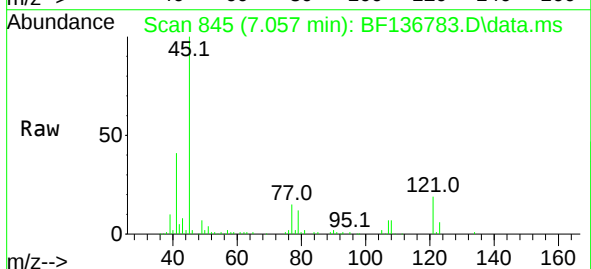
12/28/2023  
Supervised By :Sohil  
Jodhani

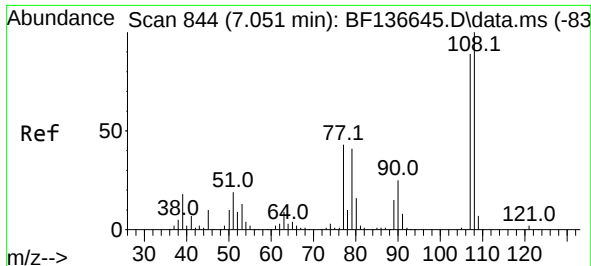
12/28/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 7.939 ng  
RT: 7.057 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

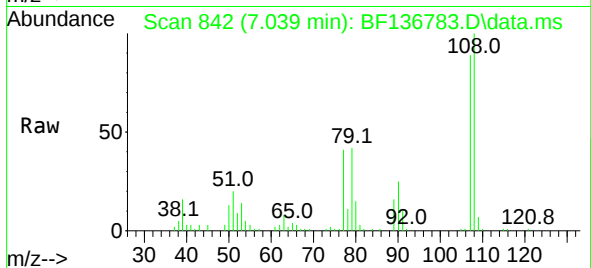
Tgt Ion: 45 Resp: 50953  
Ion Ratio Lower Upper  
45 100  
77 15.3 0.0 34.3  
79 11.7 0.0 31.4





#17  
2-Methylphenol  
Concen: 7.339 ng  
RT: 7.039 min Scan# 842  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

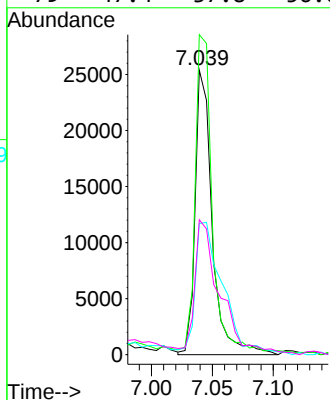
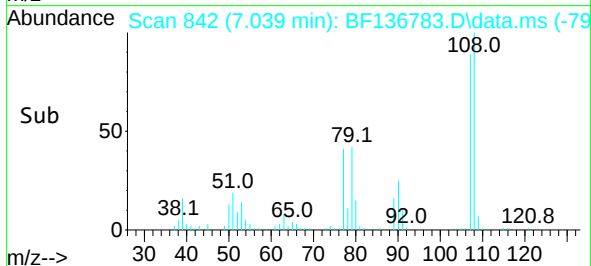
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:107 Resp: 24829  
Ion Ratio Lower Upper  
107 100  
108 112.5 90.3 135.5  
77 46.1 38.7 58.1  
79 47.4 37.8 56.6

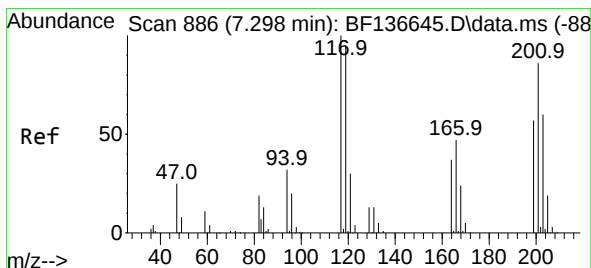
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



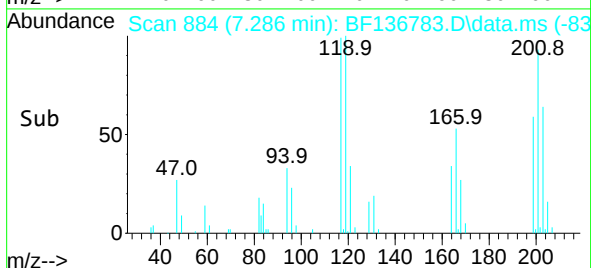
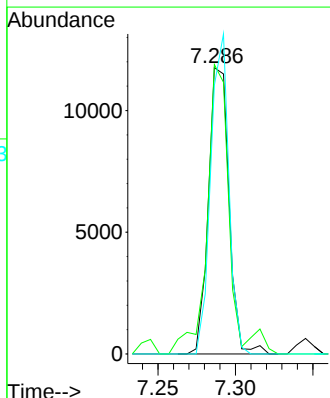
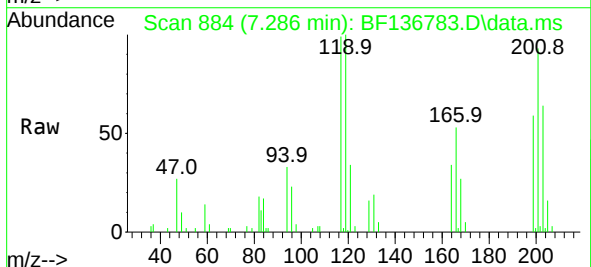
12/28/2023  
Supervised By :Sohil  
Jodhani

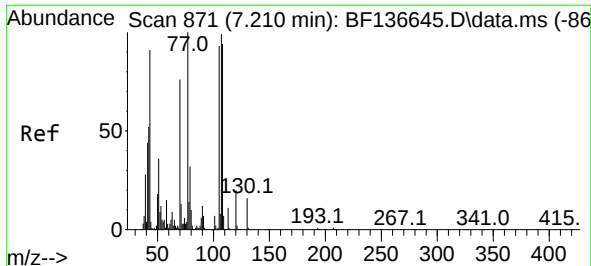
12/28/2023



#18  
Hexachloroethane  
Concen: 6.596 ng  
RT: 7.286 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

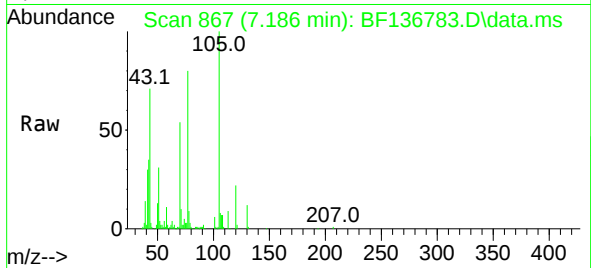
Tgt Ion:117 Resp: 10904  
Ion Ratio Lower Upper  
117 100  
119 101.1 75.8 113.6  
201 97.3 69.1 103.7





#19  
n-Nitroso-di-n-propylamine  
Concen: 7.452 ng  
RT: 7.186 min Scan# 867  
Delta R.T. -0.024 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

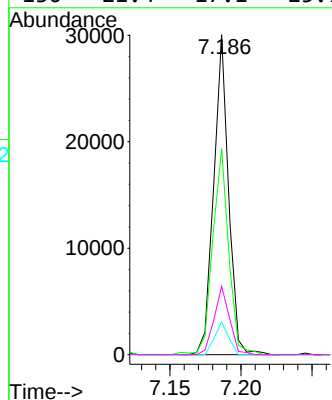
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion: 70 Resp: 2184  
Ion Ratio Lower Upper  
70 100  
42 64.3 54.2 81.4  
101 10.2 7.6 11.4  
130 21.4 17.1 25.7

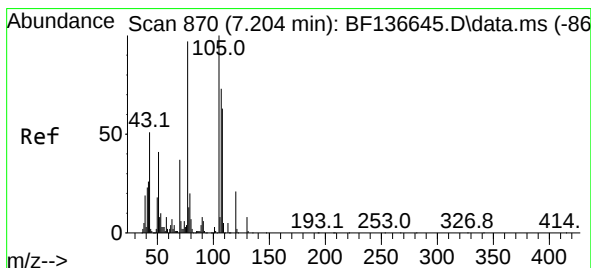
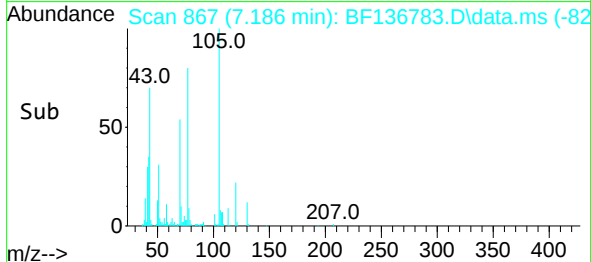
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



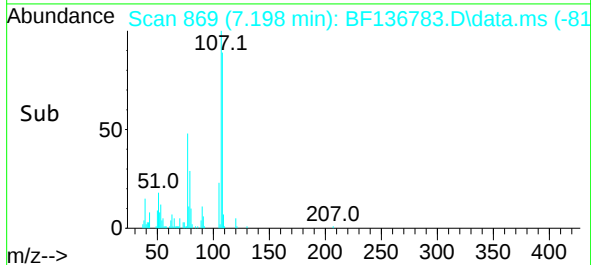
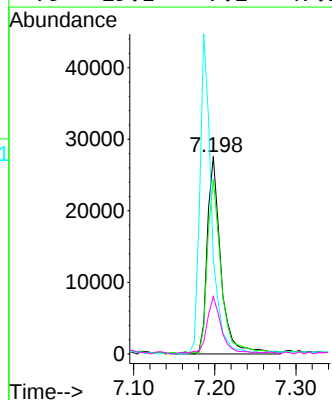
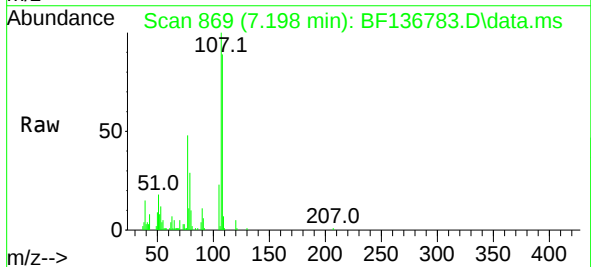
12/28/2023  
Supervised By :Sohil  
Jodhani

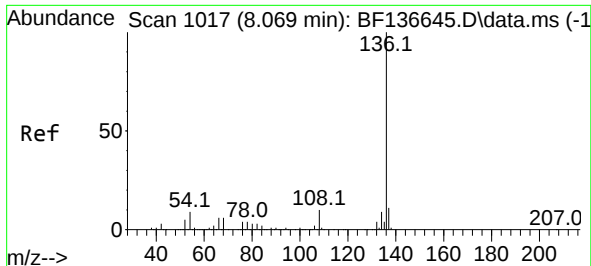
12/28/2023



#20  
3+4-Methylphenols  
Concen: 7.639 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

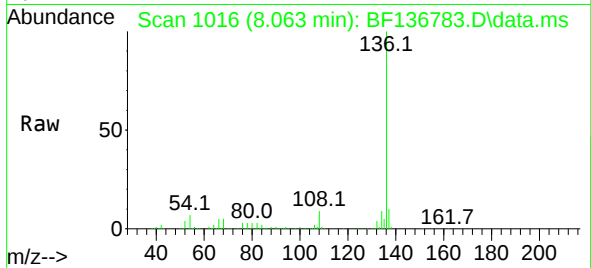
Tgt Ion:107 Resp: 32288  
Ion Ratio Lower Upper  
107 100  
108 88.5 66.0 106.0  
77 48.0 114.2 154.2#  
79 29.1 7.2 47.2





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

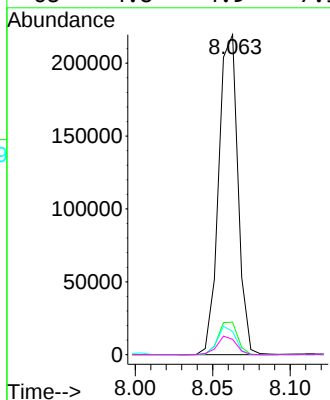
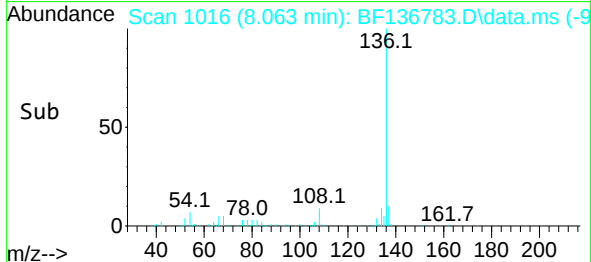
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:136 Resp: 189768  
Ion Ratio Lower Upper  
136 100  
137 10.2 9.0 13.4  
54 7.3 7.2 10.8  
68 4.8 4.9 7.3#

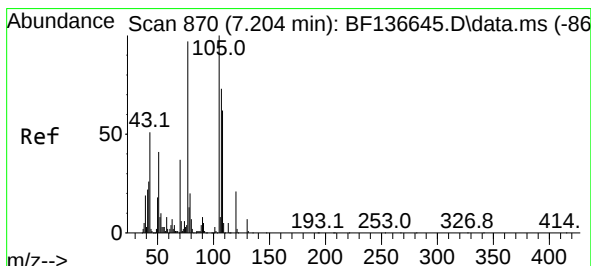
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



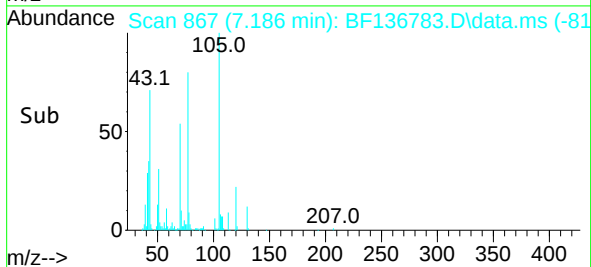
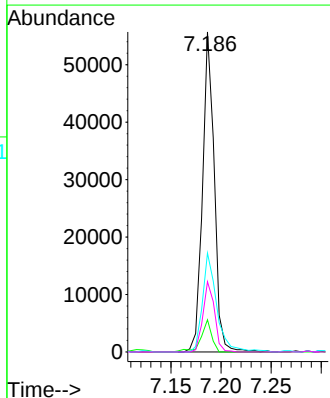
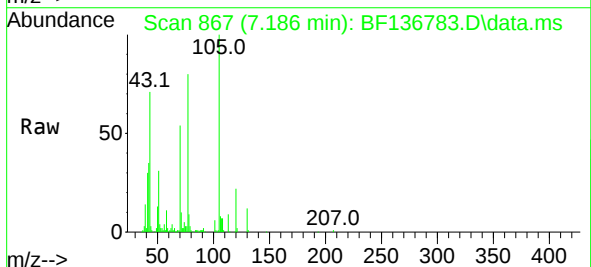
12/28/2023  
Supervised By :Sohil  
Jodhani

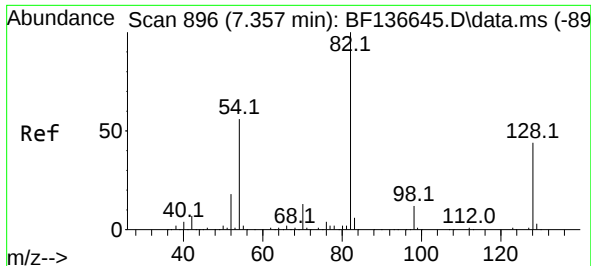
12/28/2023



#22  
Acetophenone  
Concen: 9.629 ng  
RT: 7.186 min Scan# 867  
Delta R.T. -0.018 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Tgt Ion:105 Resp: 45800  
Ion Ratio Lower Upper  
105 100  
71 10.0 4.8 7.2#  
51 30.9 32.8 49.2#  
120 22.0 17.0 25.6





#23

Nitrobenzene-d5

Concen: 11.388 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

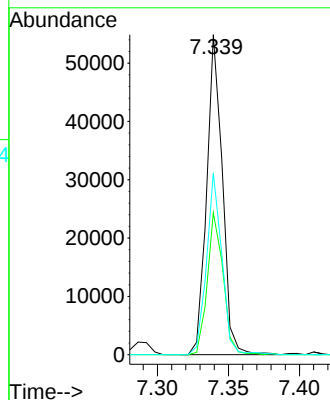
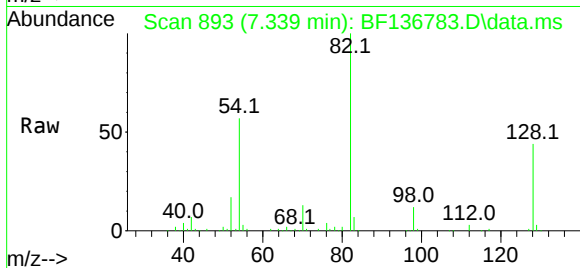
PL-04-122023MSD

Tgt Ion: 82 Resp: 4223

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.3  | 35.3  | 52.9  |
| 54  | 56.8  | 44.5  | 66.7  |

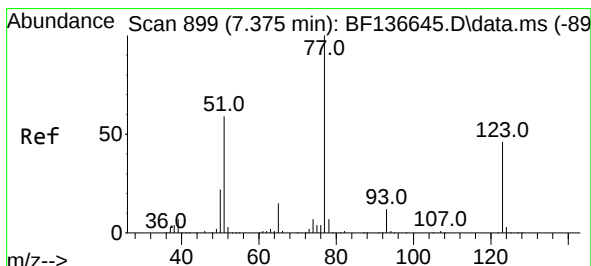
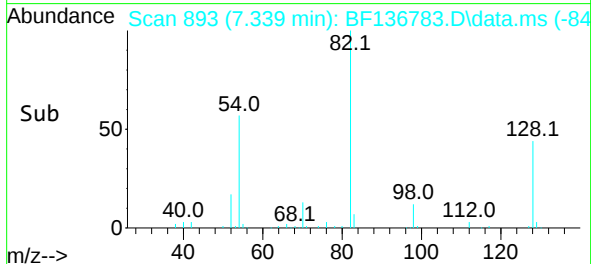
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



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Supervised By :Sohil  
Jodhani

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#24

Nitrobenzene

Concen: 8.309 ng

RT: 7.357 min Scan# 896

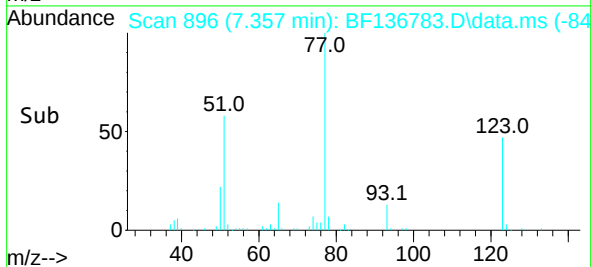
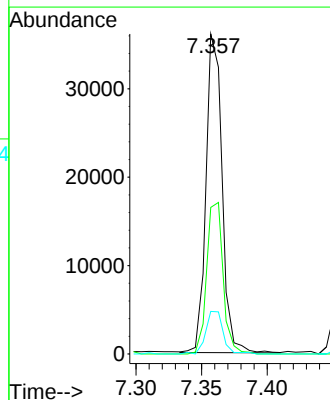
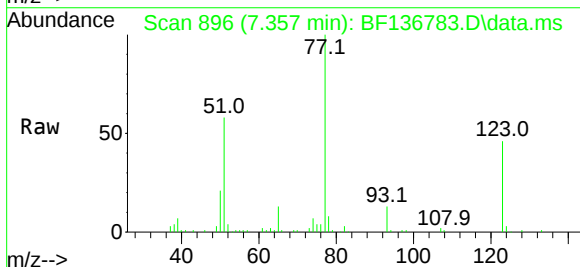
Delta R.T. -0.018 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Tgt Ion: 77 Resp: 30868

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 45.8  | 36.7  | 55.1  |
| 65  | 13.3  | 11.8  | 17.6  |





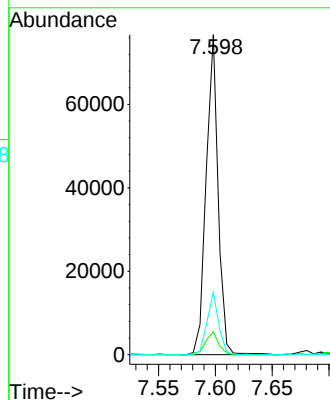
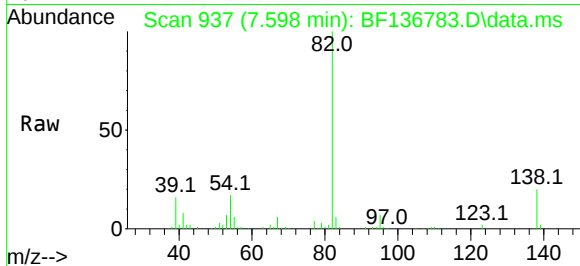
#25  
Isophorone  
Concen: 8.310 ng  
RT: 7.598 min Scan# 910  
Delta R.T. -0.018 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD

Tgt Ion: 82 Resp: 56074  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 19.6 14.5 21.7

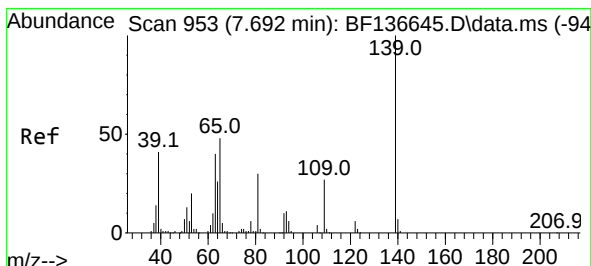
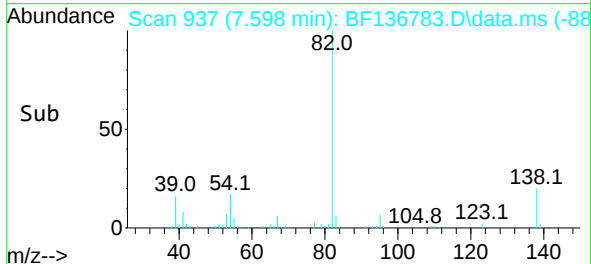
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



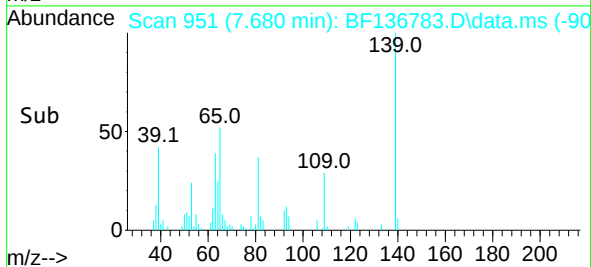
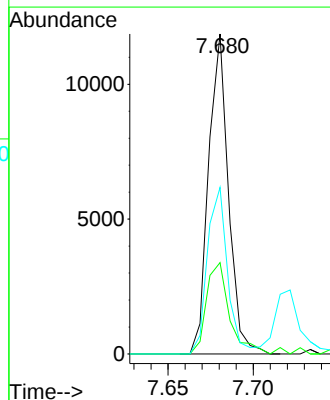
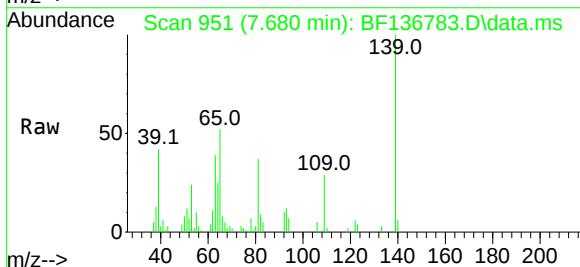
12/28/2023  
Supervised By :Sohil  
Jodhani

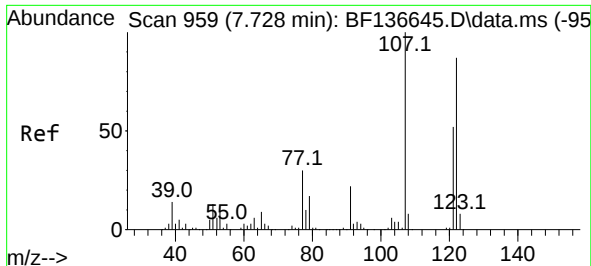
12/28/2023



#26  
2-Nitrophenol  
Concen: 5.408 ng  
RT: 7.680 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Tgt Ion:139 Resp: 9613  
Ion Ratio Lower Upper  
139 100  
109 28.6 21.9 32.9  
65 52.0 38.6 58.0





#27  
2,4-Dimethylphenol  
Concen: 10.481 ng  
RT: 7.722 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

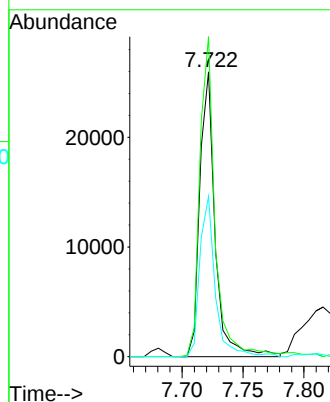
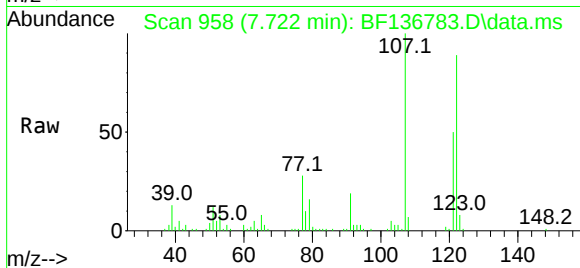
ClientSampleId :

PL-04-122023MSD

Tgt Ion:122 Resp: 22680  
Ion Ratio Lower Upper  
122 100  
107 112.4 92.0 138.0  
121 56.3 47.5 71.3

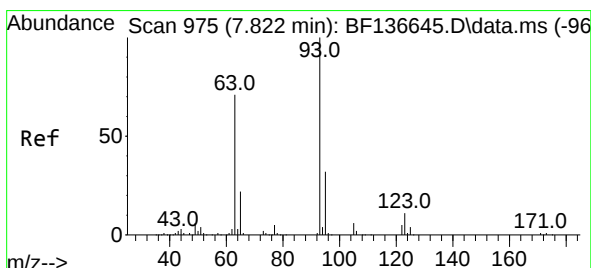
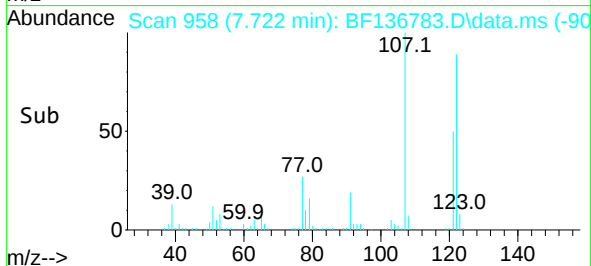
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



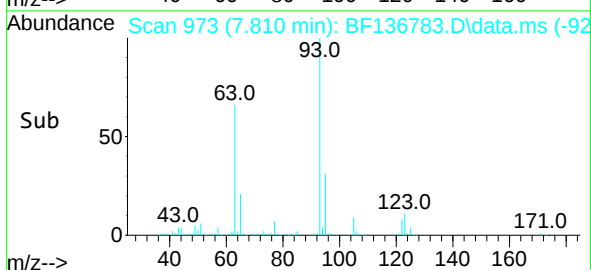
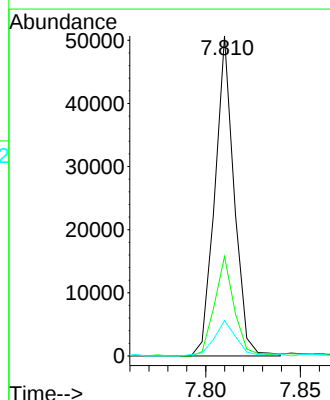
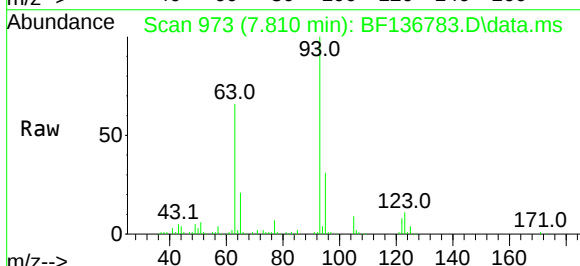
12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 8.736 ng  
RT: 7.810 min Scan# 973  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

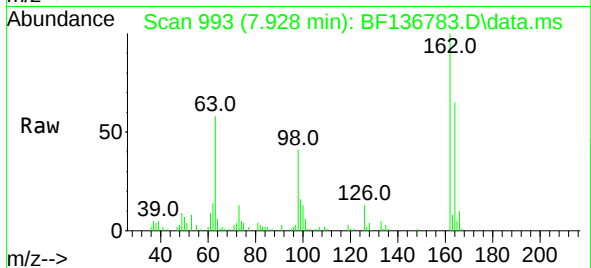
Tgt Ion: 93 Resp: 35833  
Ion Ratio Lower Upper  
93 100  
95 31.1 25.5 38.3  
123 11.1 9.2 13.8





#29  
2,4-Dichlorophenol  
Concen: 7.522 ng  
RT: 7.928 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

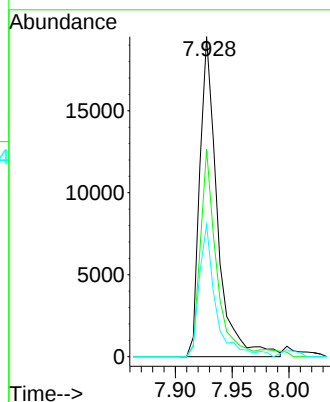
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:162 Resp: 2095  
Ion Ratio Lower Upper  
162 100  
164 64.8 41.7 81.7  
98 41.3 19.5 59.5

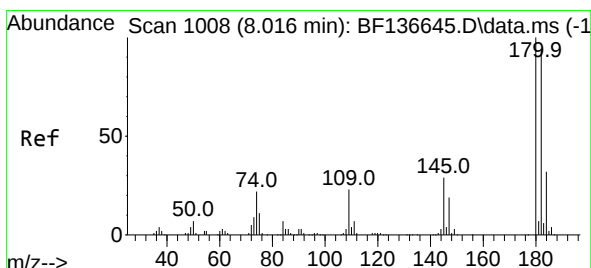
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



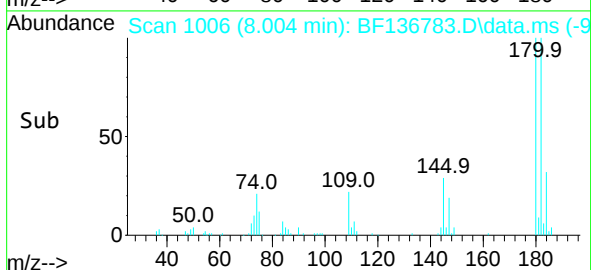
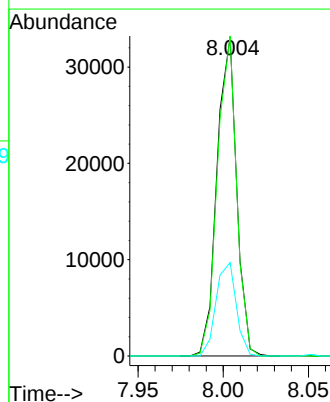
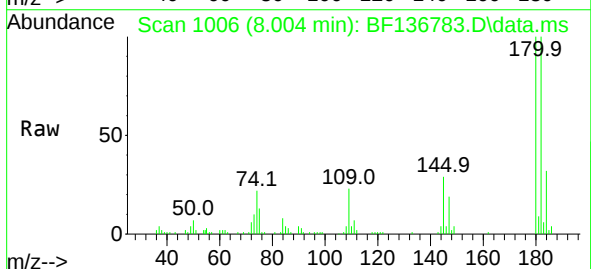
12/28/2023  
Supervised By :Sohil  
Jodhani

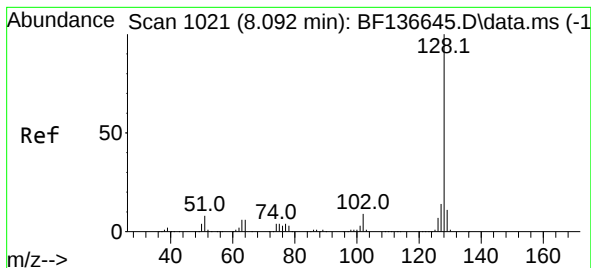
12/28/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 8.525 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Tgt Ion:180 Resp: 26462  
Ion Ratio Lower Upper  
180 100  
182 100.3 75.4 113.0  
145 29.3 23.1 34.7





#31

Naphthalene

Concen: 8.651 ng

RT: 8.080 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

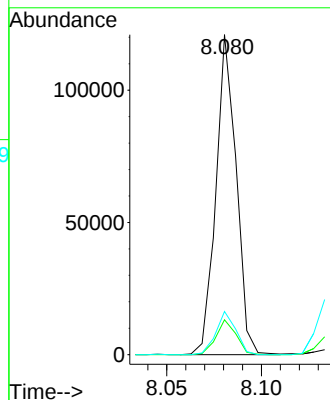
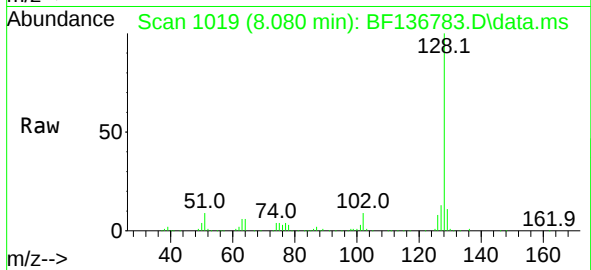
ClientSampleId :

PL-04-122023MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 9018      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 10.9  | 8.7 13.1  |
| 127         | 13.5  | 10.8 16.2 |

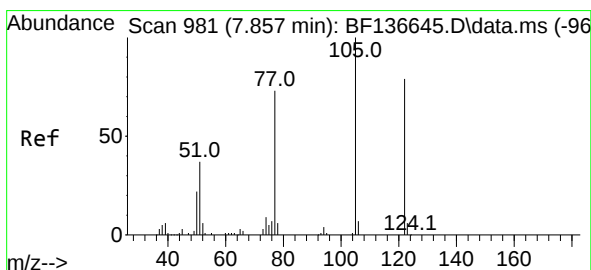
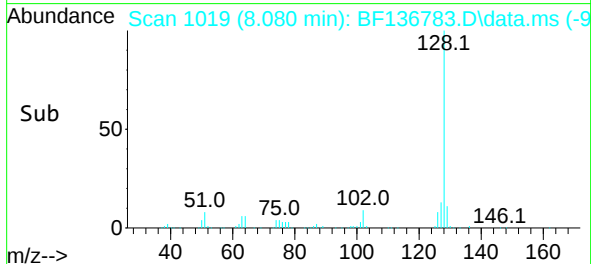
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



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Supervised By :Sohil  
Jodhani

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#32

Benzoic acid

Concen: 5.928 ng m

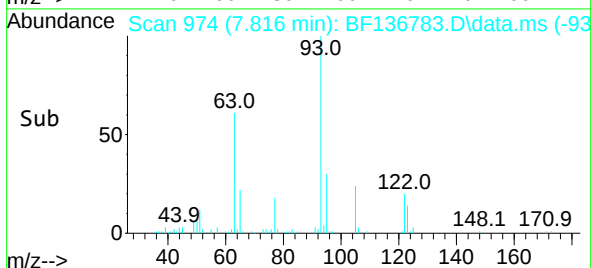
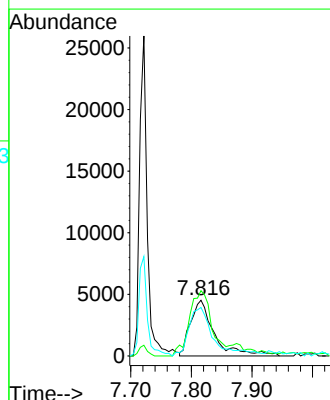
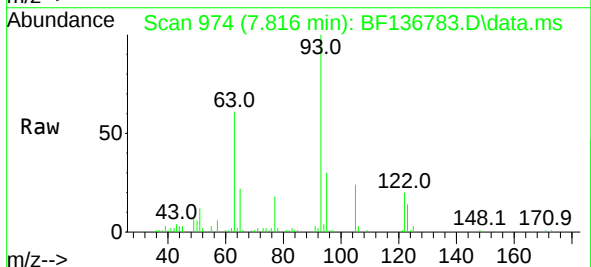
RT: 7.816 min Scan# 974

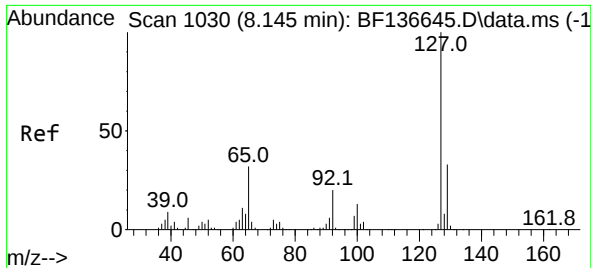
Delta R.T. -0.041 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:122 | Resp: | 12411       |
| Ion Ratio   | Lower | Upper       |
| 122         | 100   |             |
| 105         | 117.0 | 100.8 140.8 |
| 77          | 87.0  | 70.9 110.9  |





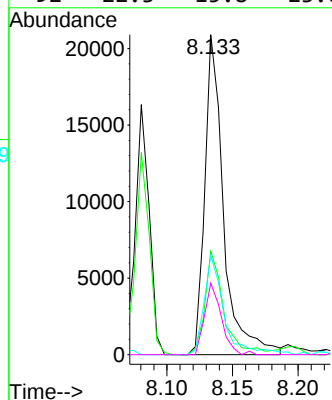
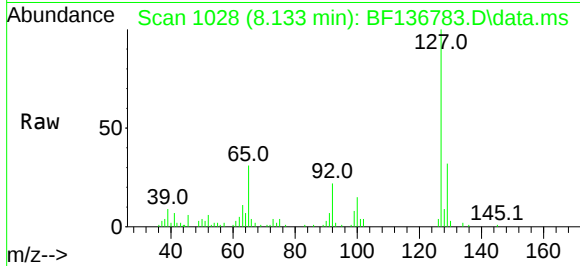
#33  
4-Chloroaniline  
Concen: 5.424 ng  
RT: 8.133 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.3  | 26.3  | 39.5  |
| 65      | 31.0  | 25.8  | 38.8  |
| 92      | 22.3  | 15.8  | 23.6  |

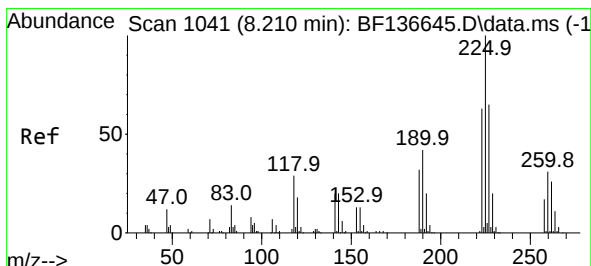
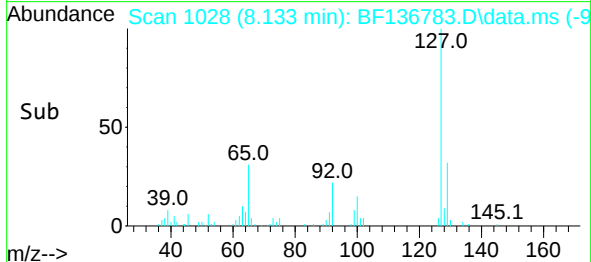
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



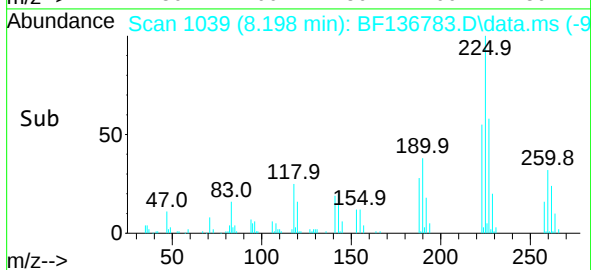
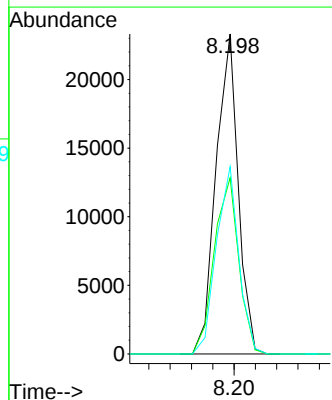
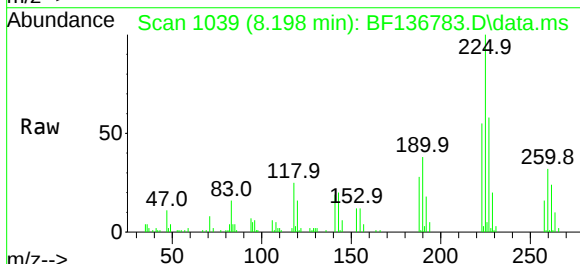
12/28/2023  
Supervised By :Sohil  
Jodhani

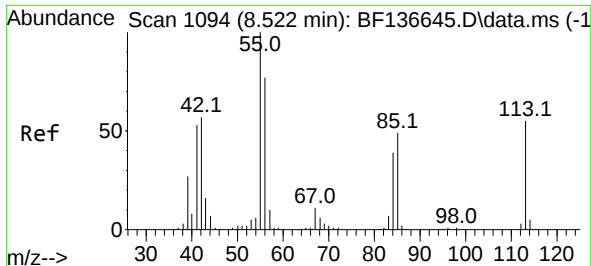
12/28/2023



#34  
Hexachlorobutadiene  
Concen: 8.920 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

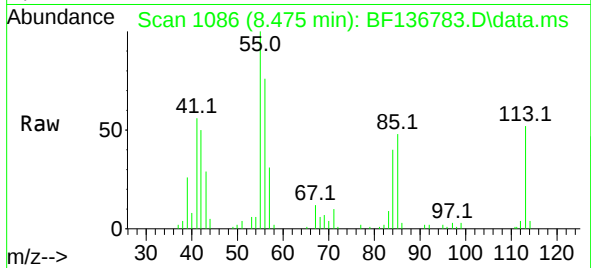
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 55.1  | 50.6  | 76.0  |
| 227     | 58.5  | 51.9  | 77.9  |





#35  
Caprolactam  
Concen: 7.360 ng  
RT: 8.475 min Scan# 1094  
Delta R.T. -0.047 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

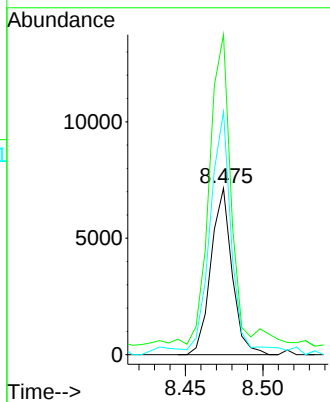
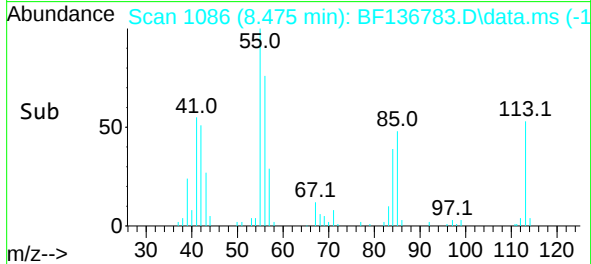
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:113 Resp: 6764  
Ion Ratio Lower Upper  
113 100  
55 192.3 163.1 203.1  
56 146.0 121.7 161.7

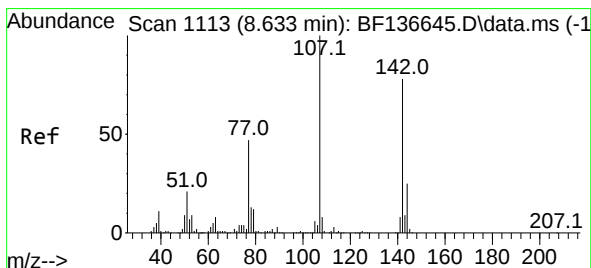
Manual Integrations  
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Reviewed By :Yogesh  
Patel

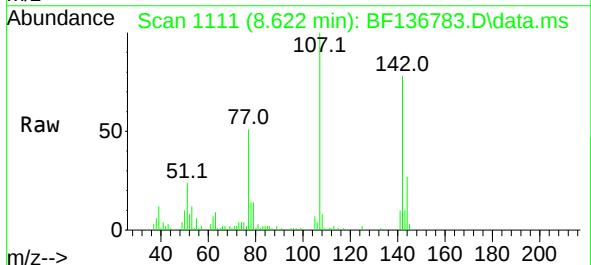


12/28/2023  
Supervised By :Sohil  
Jodhani

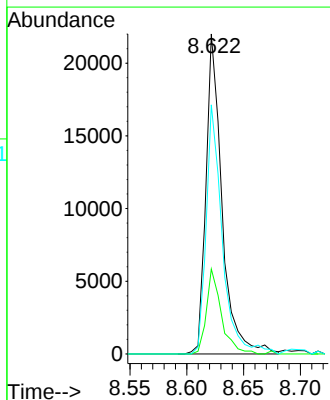
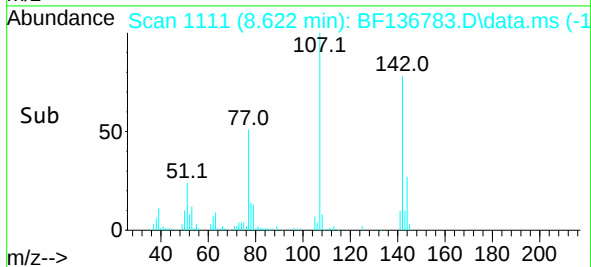
12/28/2023

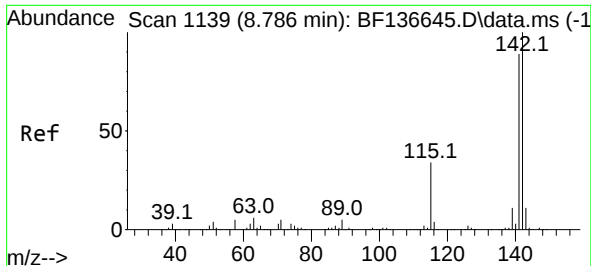


#36  
4-Chloro-3-methylphenol  
Concen: 6.895 ng  
RT: 8.622 min Scan# 1111  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion:107 Resp: 21623  
Ion Ratio Lower Upper  
107 100  
144 26.6 20.2 30.2  
142 77.9 62.3 93.5





#37

2-Methylnaphthalene

Concen: 8.163 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MSD

Tgt Ion:142 Resp: 54769

Ion Ratio Lower Upper

142 100

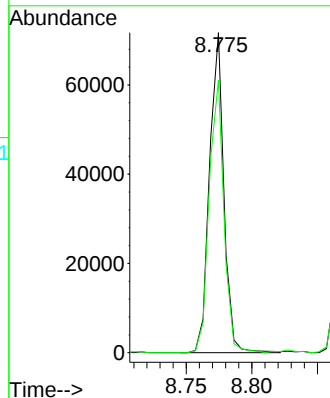
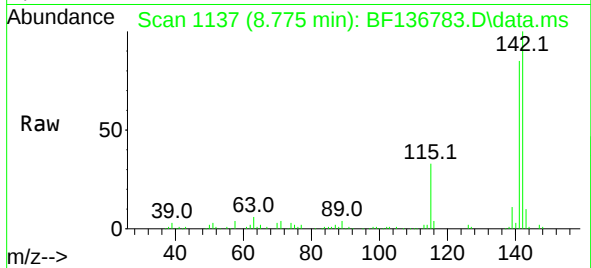
141 85.2 71.1 106.7

Manual Integrations

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Reviewed By :Yogesh

Patel

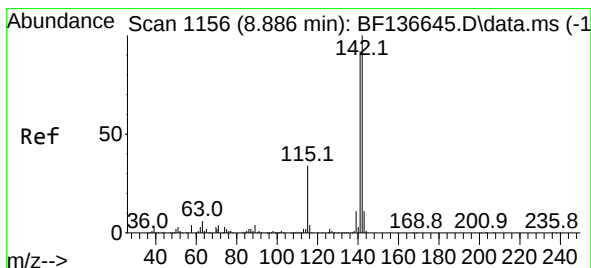
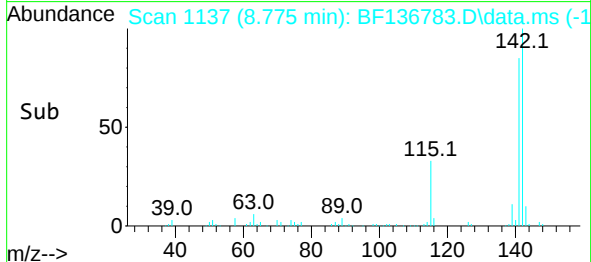


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Jodhani

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#38

1-Methylnaphthalene

Concen: 7.827 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF136783.D

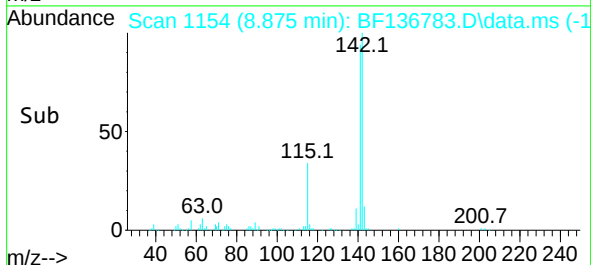
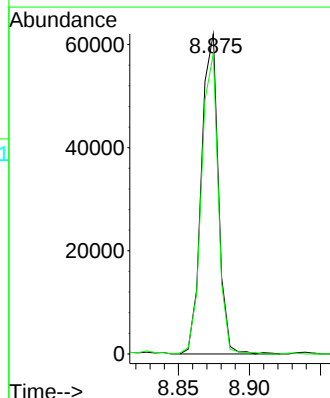
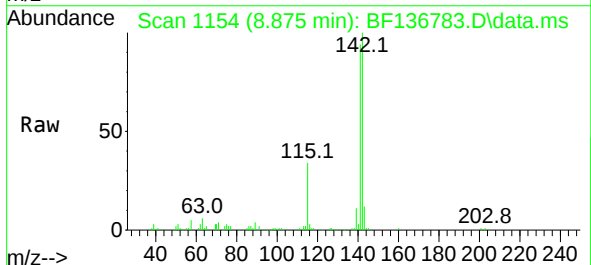
Acq: 28 Dec 2023 04:11

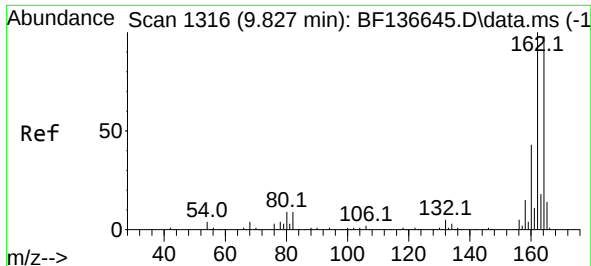
Tgt Ion:142 Resp: 51519

Ion Ratio Lower Upper

142 100

141 93.8 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136783.D

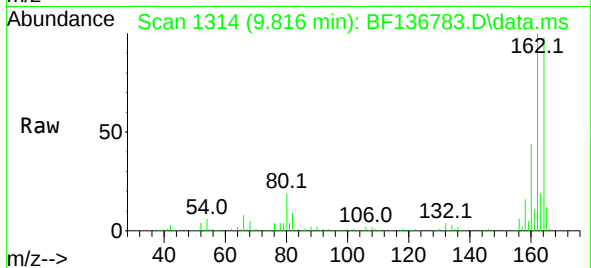
Acq: 28 Dec 2023 04:11

Instrument :

BNF

ClientSampleId :

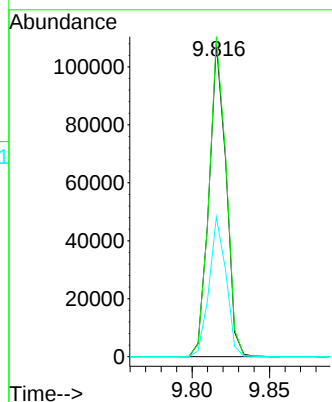
PL-04-122023MSD



|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 8306       |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 102.1 | 81.6 122.4 |
| 160         | 44.6  | 34.9 52.3  |

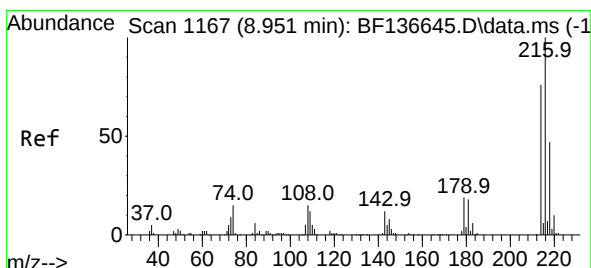
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



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Supervised By :Sohil  
Jodhani

12/28/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.601 ng

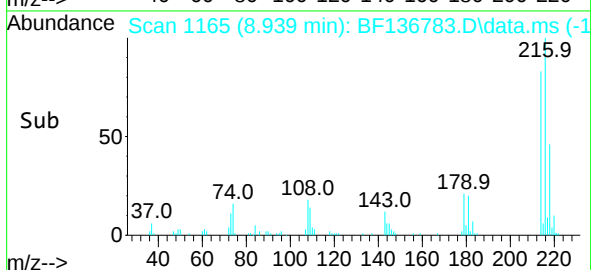
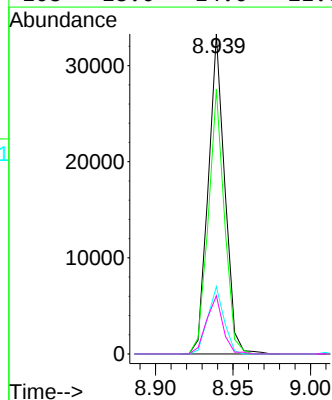
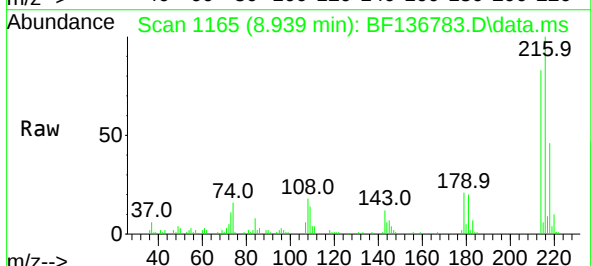
RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

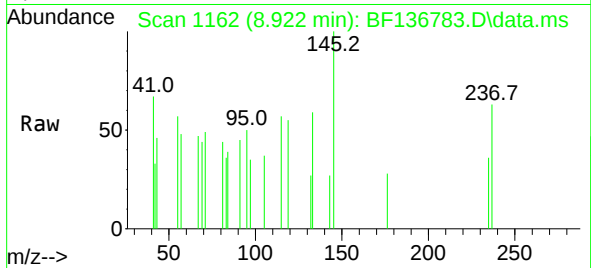
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 24698     |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 80.4  | 62.3 93.5 |
| 179         | 20.5  | 16.4 24.6 |
| 108         | 18.0  | 14.0 21.0 |





#41  
Hexachlorocyclopentadiene  
Concen: 5.140 ng  
RT: 8.922 min Scan# 1164  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

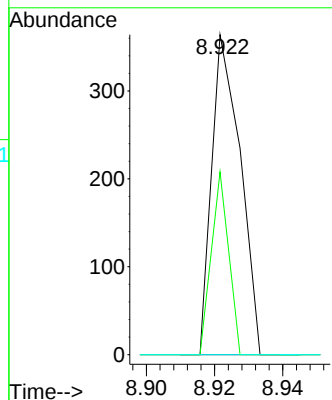
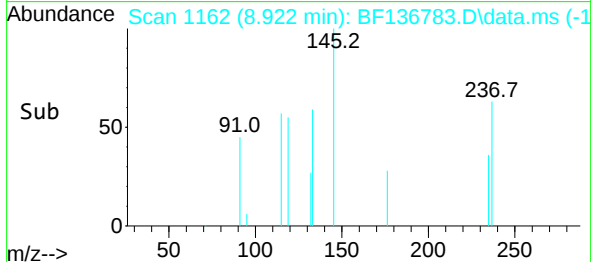
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion: 237 Resp: 211  
Ion Ratio Lower Upper  
237 100  
235 57.1 43.2 83.2  
272 0.0 0.0 34.2

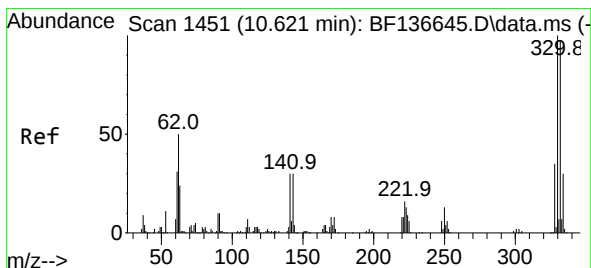
Manual Integrations  
APPROVED

Reviewed By : Yogesh  
Patel

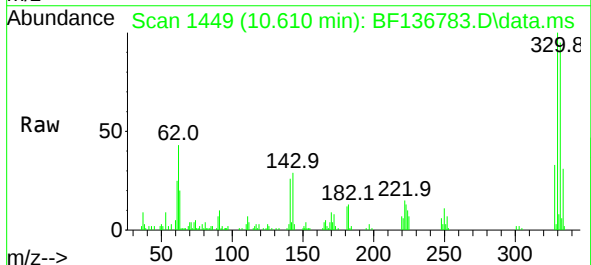


12/28/2023  
Supervised By : Sohil  
Jodhani

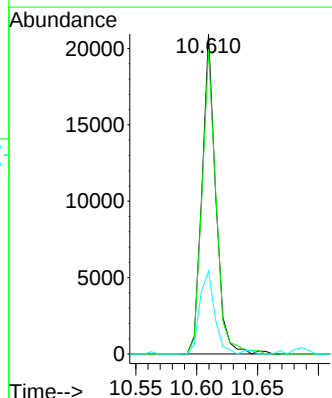
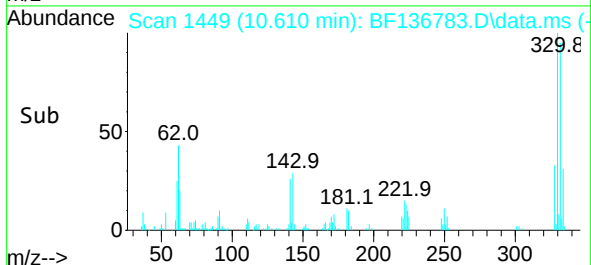
12/28/2023



#42  
2,4,6-Tribromophenol  
Concen: 16.750 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



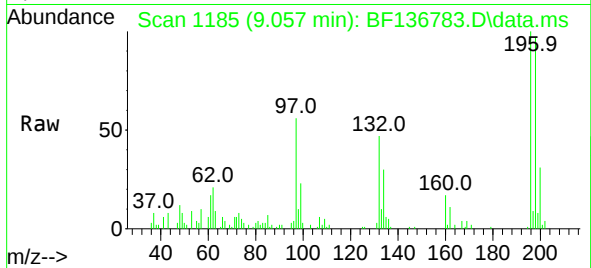
Tgt Ion: 330 Resp: 16385  
Ion Ratio Lower Upper  
330 100  
332 97.5 77.4 116.0  
141 28.2 23.4 35.2





#43  
2,4,6-Trichlorophenol  
Concen: 8.480 ng  
RT: 9.057 min Scan# 1185  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

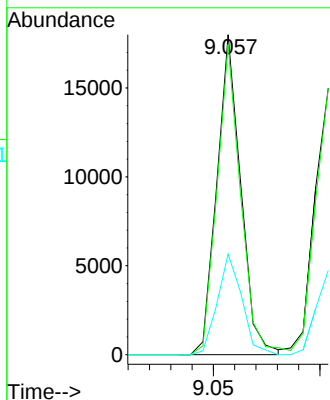
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:196 Resp: 13989  
Ion Ratio Lower Upper  
196 100  
198 96.9 75.1 112.7  
200 31.5 22.5 33.7

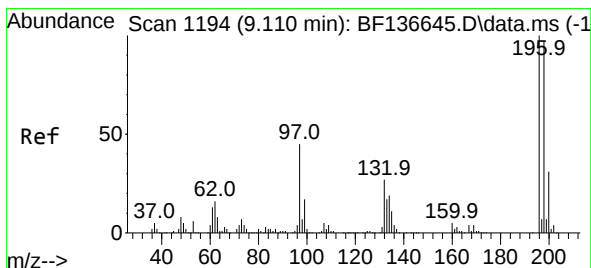
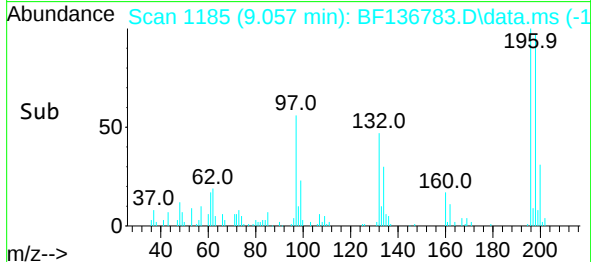
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



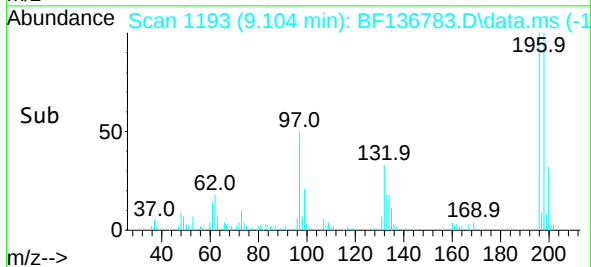
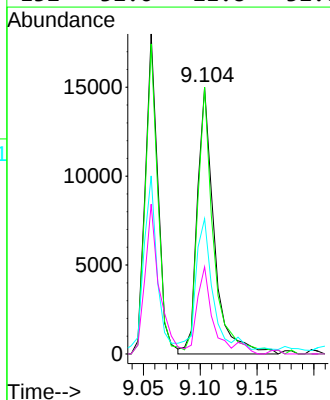
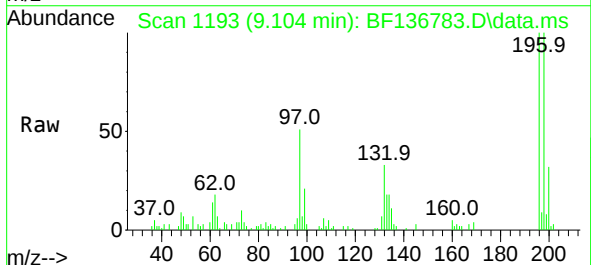
12/28/2023  
Supervised By :Sohil  
Jodhani

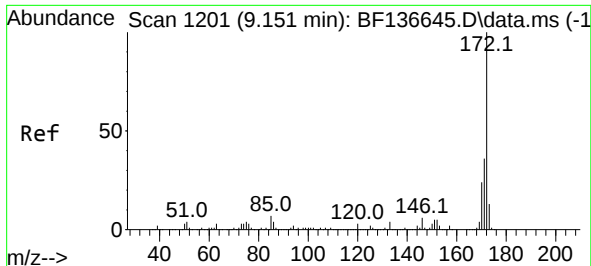
12/28/2023



#44  
2,4,5-Trichlorophenol  
Concen: 8.462 ng  
RT: 9.104 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Tgt Ion:196 Resp: 15556  
Ion Ratio Lower Upper  
196 100  
198 100.0 77.0 115.6  
97 50.7 36.1 54.1  
132 32.6 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 12.964 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136783.D

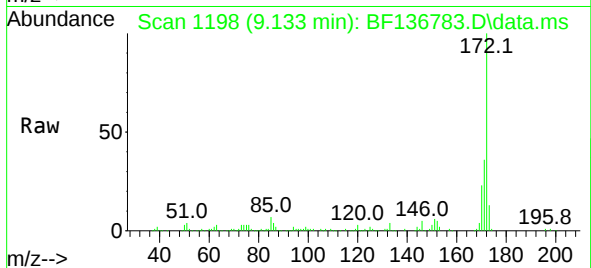
Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

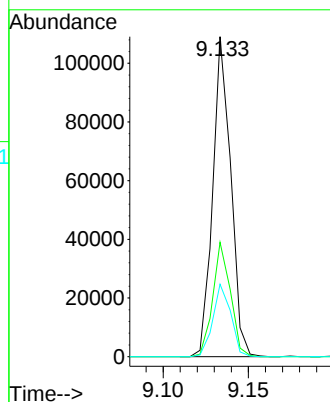
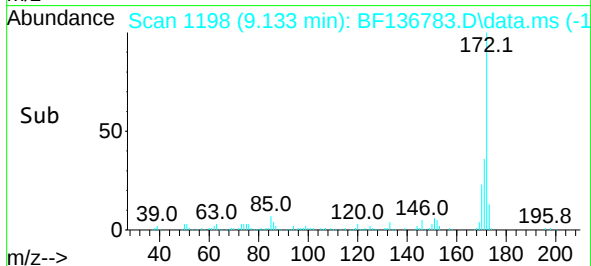
PL-04-122023MSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.0  | 43.6  |
| 170     | 22.7  | 19.0  | 28.4  |

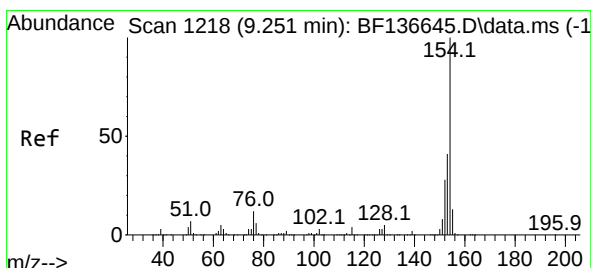
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#46

1,1'-Biphenyl

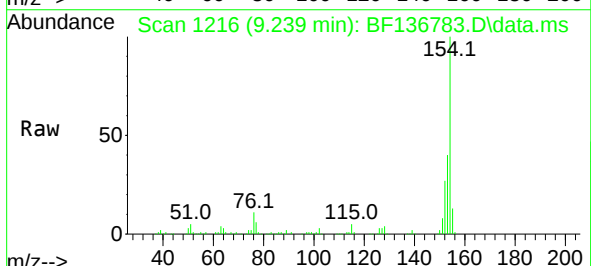
Concen: 9.687 ng

RT: 9.239 min Scan# 1216

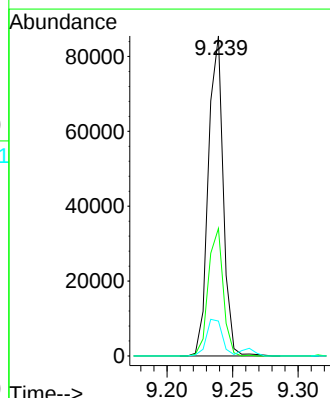
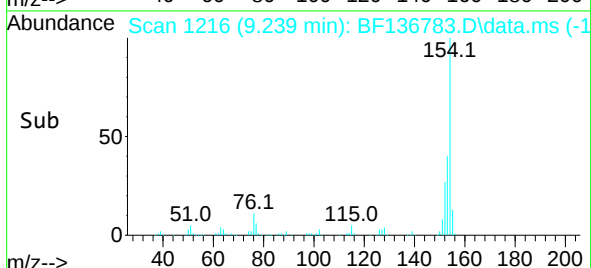
Delta R.T. -0.012 min

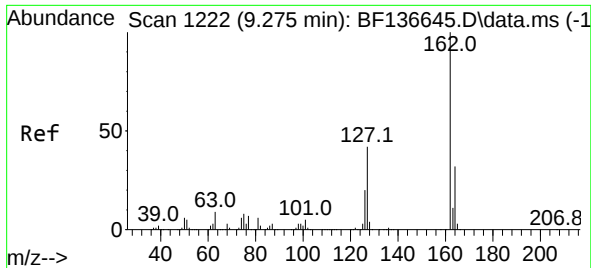
Lab File: BF136783.D

Acq: 28 Dec 2023 04:11



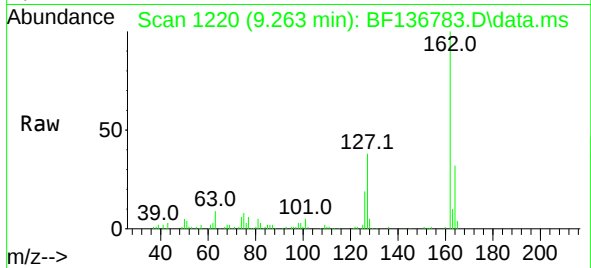
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.8  | 21.1  | 61.1  |
| 76      | 10.9  | 0.0   | 31.7  |





#47  
2-Chloronaphthalene  
Concen: 8.859 ng  
RT: 9.263 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

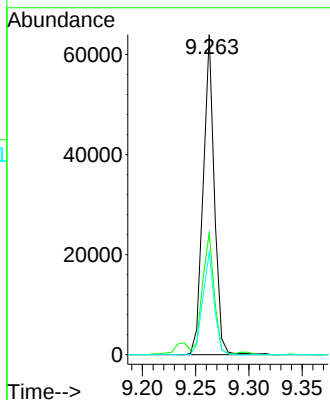
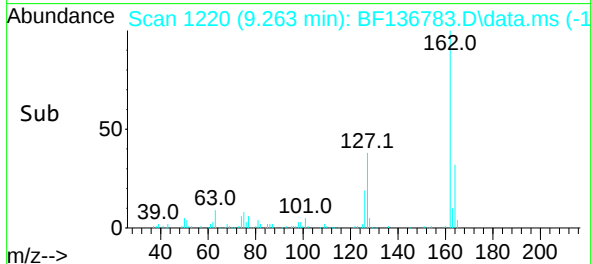
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:162 Resp: 4694  
Ion Ratio Lower Upper  
162 100  
127 38.0 33.6 50.4  
164 32.0 25.7 38.5

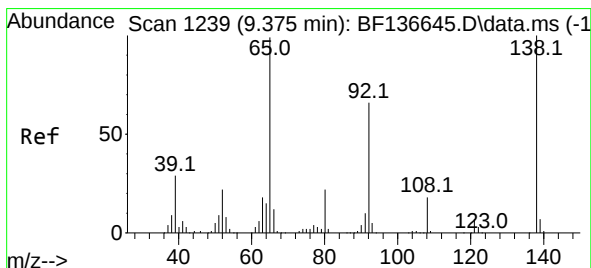
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

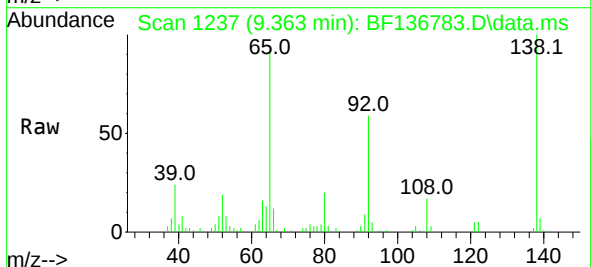


12/28/2023  
Supervised By :Sohil  
Jodhani

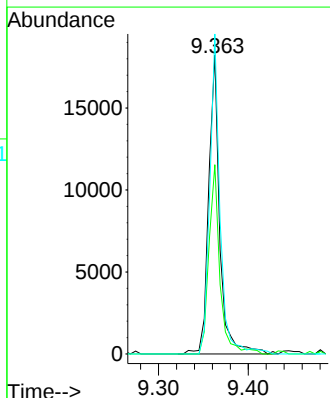
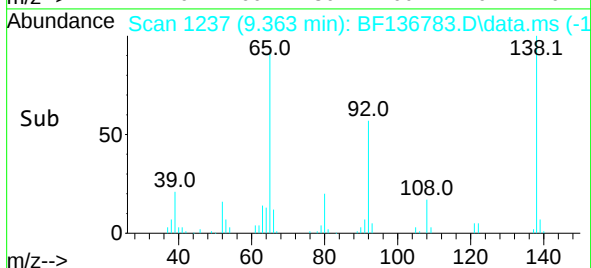
12/28/2023

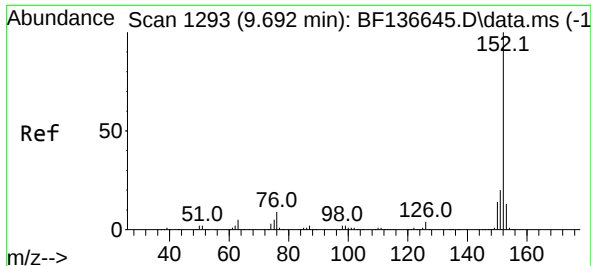


#48  
2-Nitroaniline  
Concen: 9.418 ng  
RT: 9.363 min Scan# 1237  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion: 65 Resp: 15627  
Ion Ratio Lower Upper  
65 100  
92 63.3 53.2 79.8  
138 107.0 81.1 121.7





#49

Acenaphthylene

Concen: 10.459 ng

RT: 9.674 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136783.D

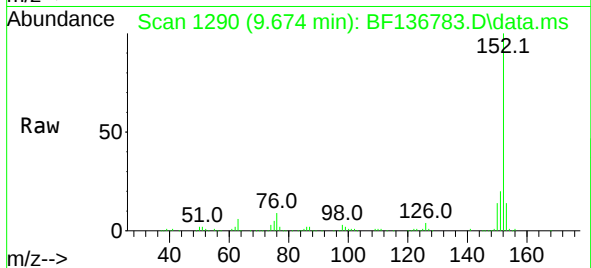
Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

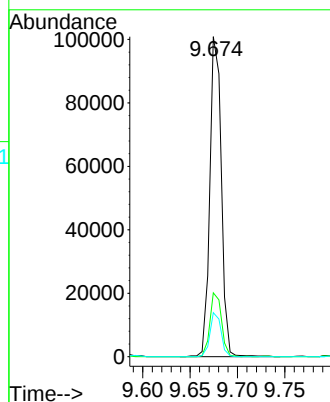
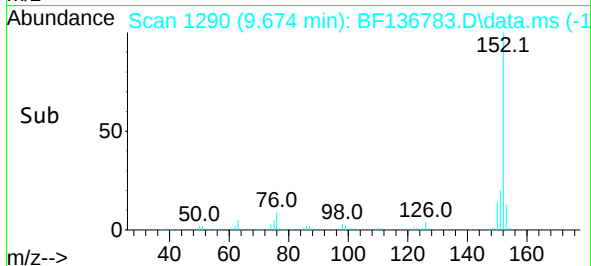
PL-04-122023MSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 84708 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.9  | 16.2  | 24.4  |
| 153       | 13.8  | 10.2  | 15.2  |

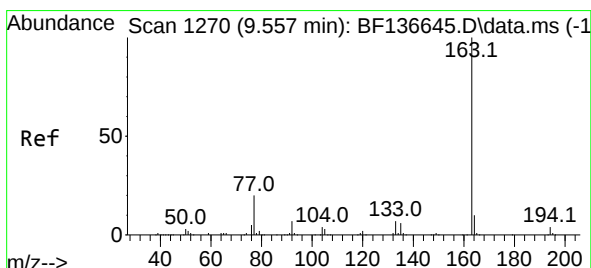
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#50

Dimethylphthalate

Concen: 9.057 ng

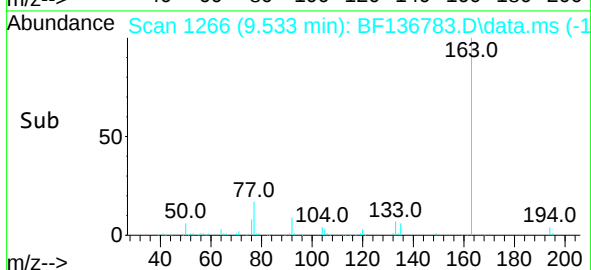
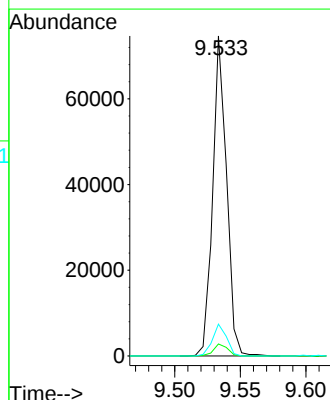
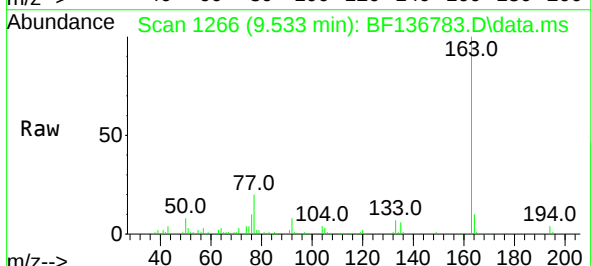
RT: 9.533 min Scan# 1266

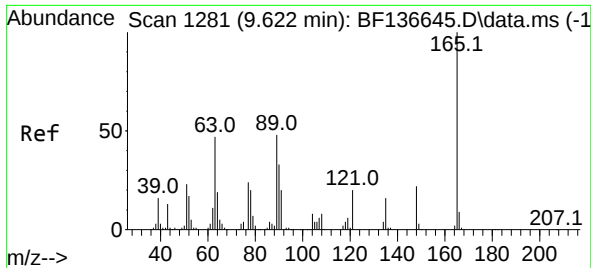
Delta R.T. -0.024 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 54948 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 3.8   | 3.3   | 4.9   |
| 164       | 10.0  | 7.8   | 11.6  |





#51

2,6-Dinitrotoluene

Concen: 7.435 ng

RT: 9.604 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

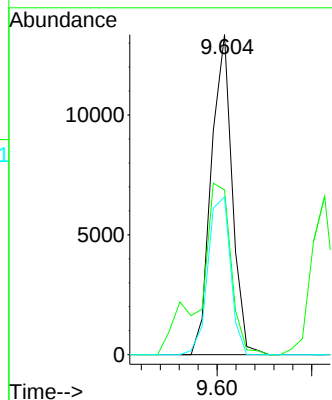
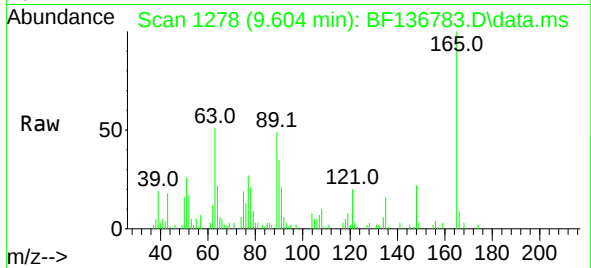
ClientSampleId :

PL-04-122023MSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:165 | Resp: | 10238     |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 51.5  | 39.8 59.6 |
| 89          | 49.3  | 38.8 58.2 |

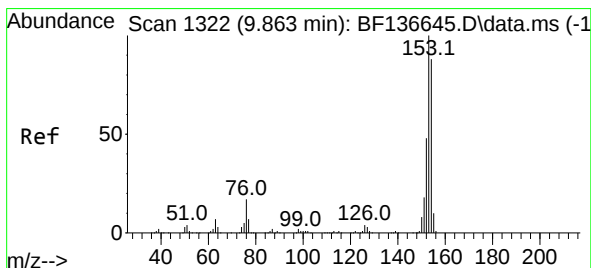
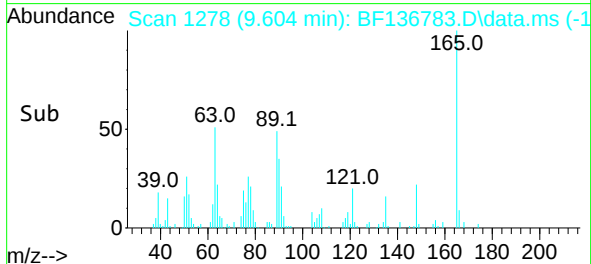
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#52

Acenaphthene

Concen: 9.562 ng

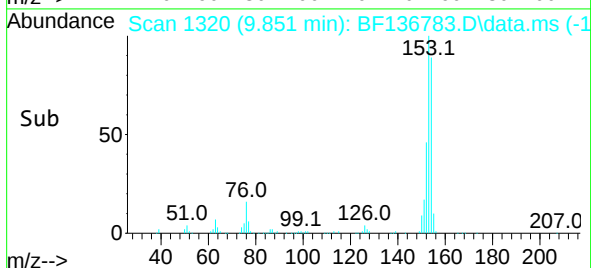
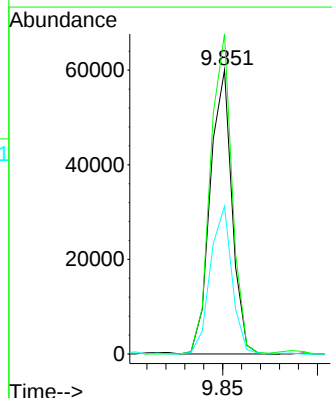
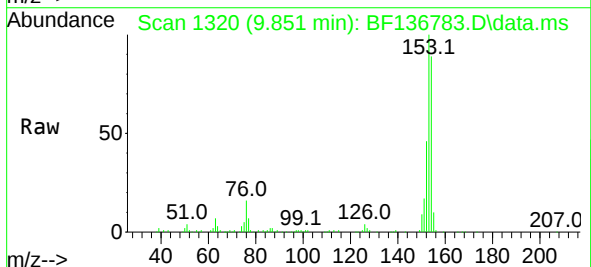
RT: 9.851 min Scan# 1320

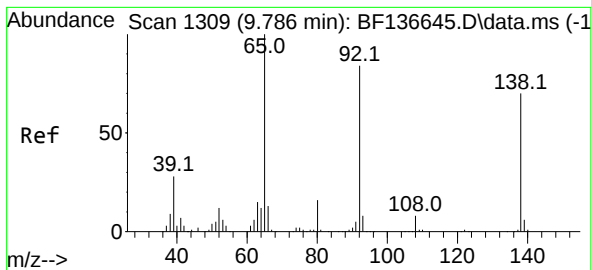
Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

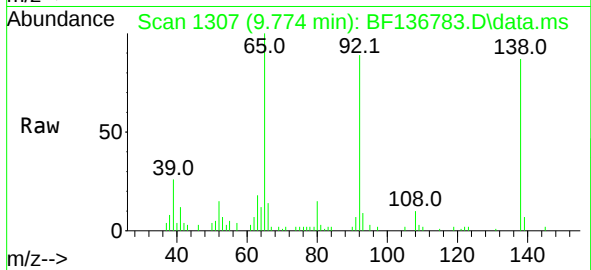
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 48008      |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 112.7 | 90.7 136.1 |
| 152         | 52.0  | 43.7 65.5  |





#53  
3-Nitroaniline  
Concen: 8.355 ng  
RT: 9.774 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

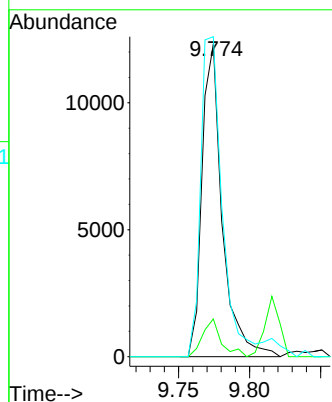
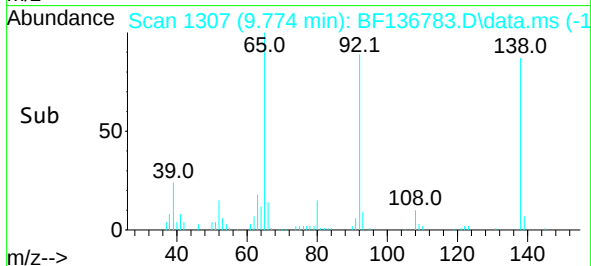
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:138 Resp: 12180  
Ion Ratio Lower Upper  
138 100  
108 12.1 8.6 12.8  
92 102.5 95.2 142.8

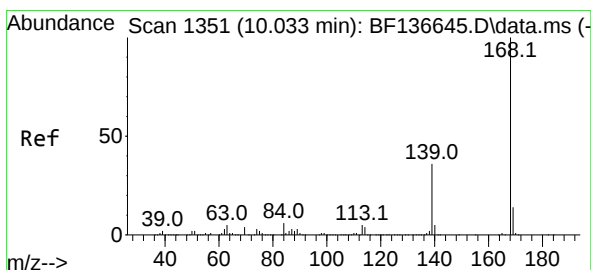
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



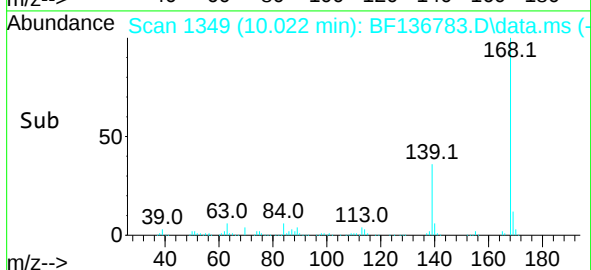
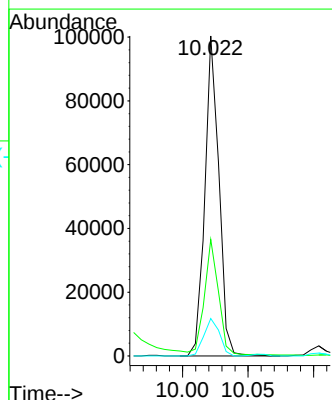
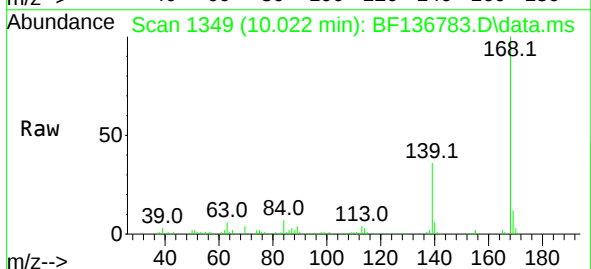
12/28/2023  
Supervised By :Sohil  
Jodhani

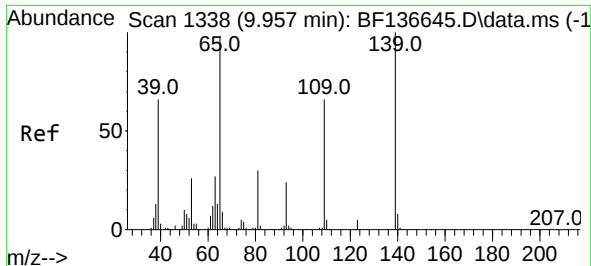
12/28/2023



#55  
Dibenzofuran  
Concen: 9.849 ng  
RT: 10.022 min Scan# 1349  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Tgt Ion:168 Resp: 74954  
Ion Ratio Lower Upper  
168 100  
139 36.4 29.3 43.9  
169 11.7 11.0 16.4





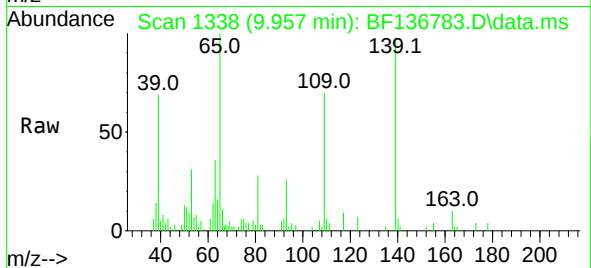
#56  
4-Nitrophenol  
Concen: 14.551 ng  
RT: 9.957 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

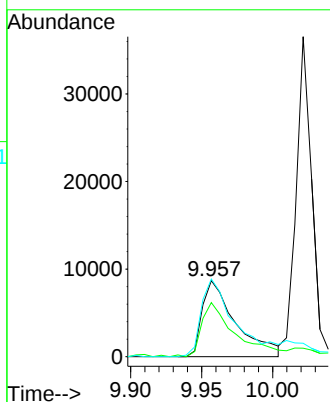
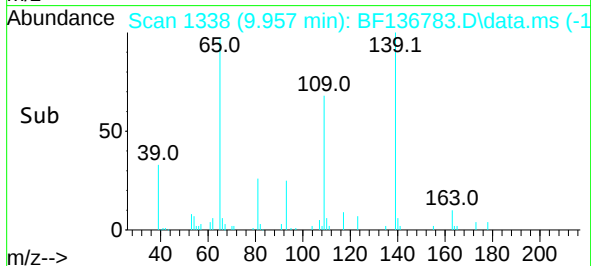
PL-04-122023MSD



Tgt Ion:139 Resp: 1432  
Ion Ratio Lower Upper  
139 100  
109 71.1 45.8 85.8  
65 102.0 77.8 117.8

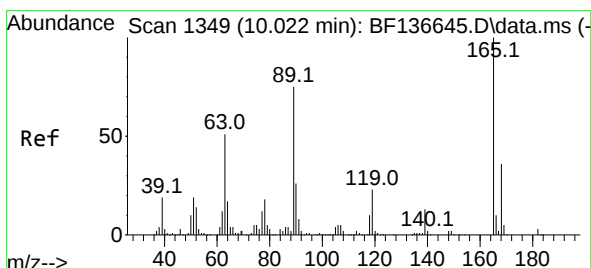
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



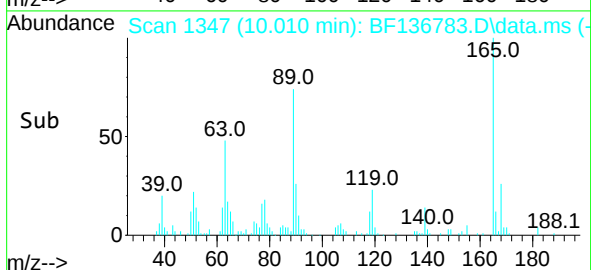
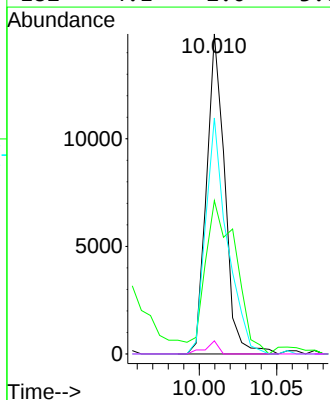
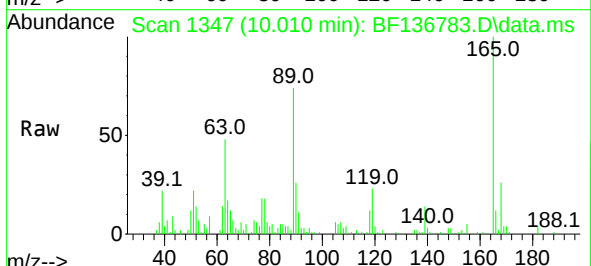
12/28/2023  
Supervised By :Sohil  
Jodhani

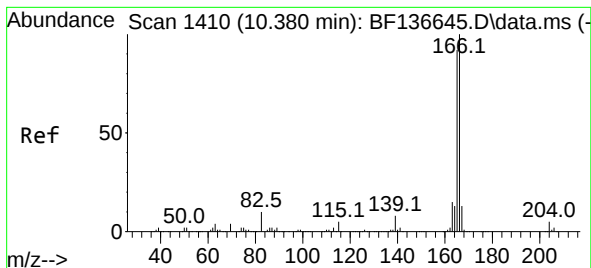
12/28/2023



#57  
2,4-Dinitrotoluene  
Concen: 6.825 ng  
RT: 10.010 min Scan# 1347  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

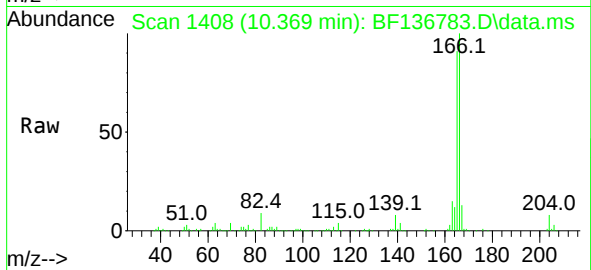
Tgt Ion:165 Resp: 12199  
Ion Ratio Lower Upper  
165 100  
63 47.9 41.0 61.6  
89 73.8 59.9 89.9  
182 4.1 2.0 3.0#





#58  
Fluorene  
Concen: 11.442 ng  
RT: 10.369 min Scan# 1410  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

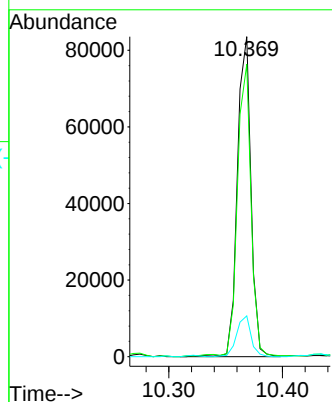
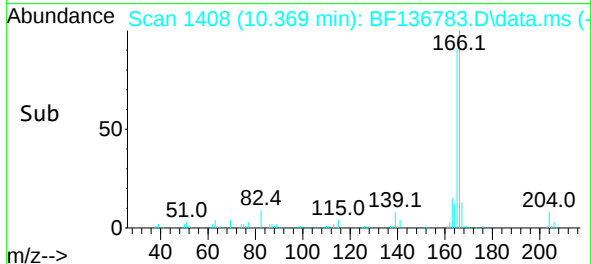
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:166 Resp: 69092  
Ion Ratio Lower Upper  
166 100  
165 91.4 73.7 110.5  
167 12.8 10.4 15.6

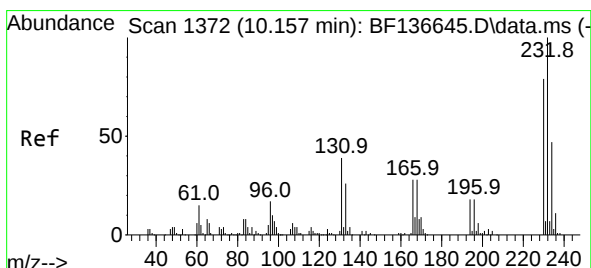
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

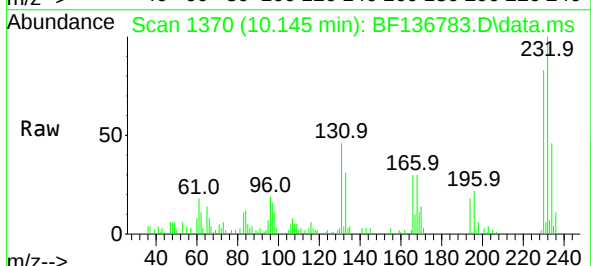


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Supervised By :Sohil  
Jodhani

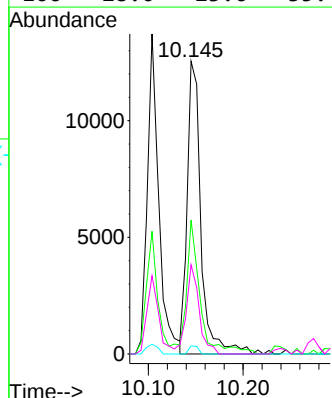
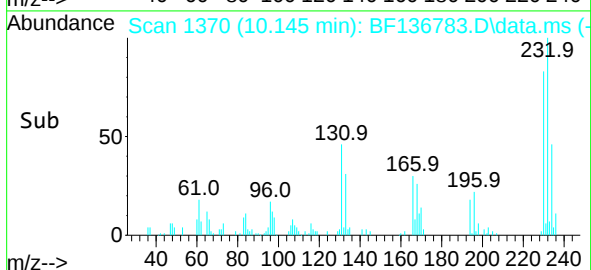
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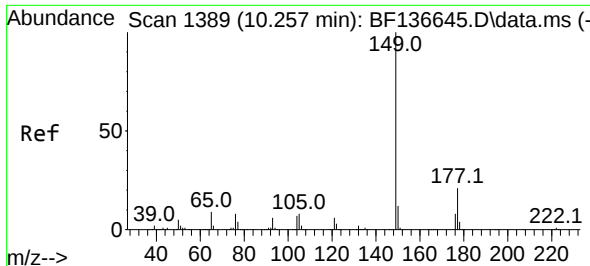


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 9.010 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion:232 Resp: 12750  
Ion Ratio Lower Upper  
232 100  
131 45.7 35.1 52.7  
130 1.8 1.6 2.4  
166 28.0 23.6 35.4





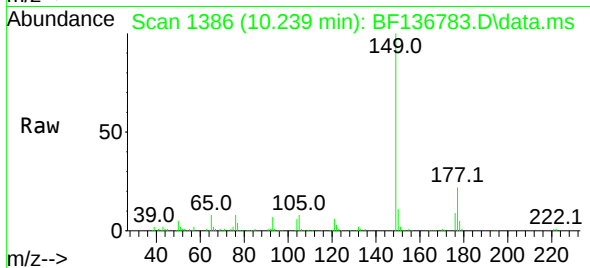
#60  
Diethylphthalate  
Concen: 9.225 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

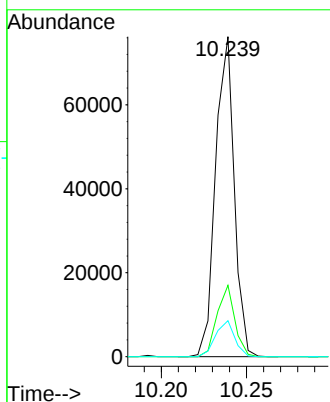
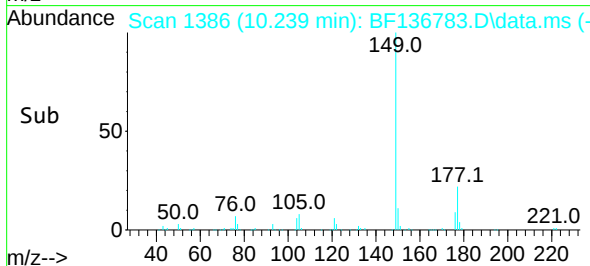
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Tgt Ion:149 Resp: 5807  
Ion Ratio Lower Upper  
149 100  
177 22.3 16.9 25.3  
150 11.2 9.3 13.9

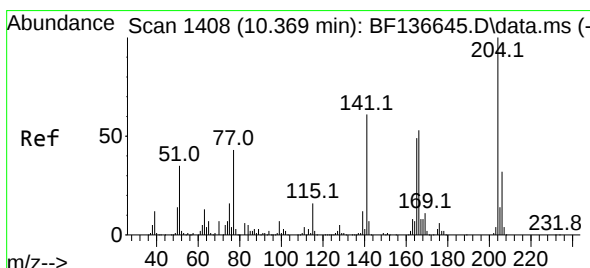
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

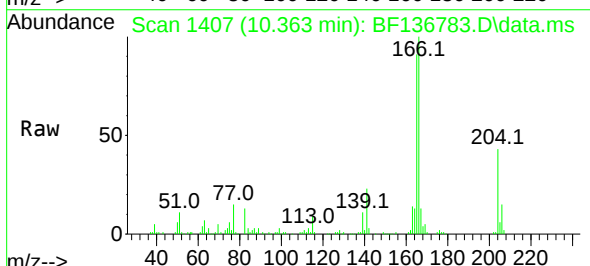


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Supervised By :Sohil  
Jodhani

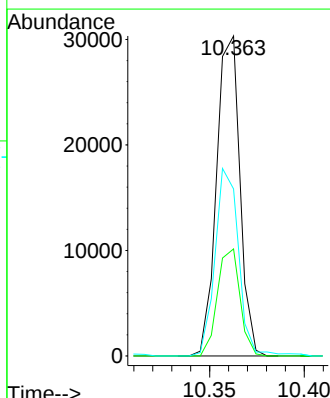
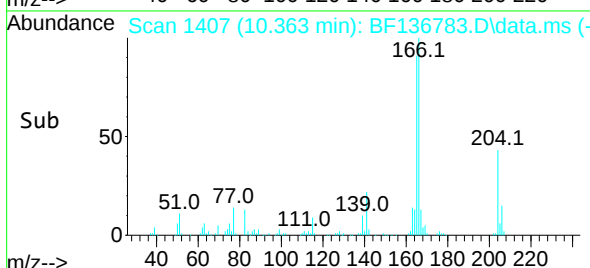
12/28/2023

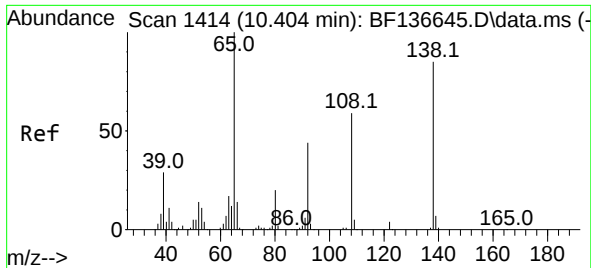


#61  
4-Chlorophenyl-phenylether  
Concen: 8.882 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



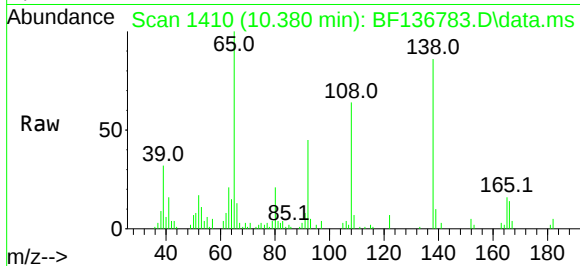
Tgt Ion:204 Resp: 26069  
Ion Ratio Lower Upper  
204 100  
206 33.4 25.6 38.4  
141 52.2 48.4 72.6





#62  
4-Nitroaniline  
Concen: 8.925 ng m  
RT: 10.380 min Scan# 1410  
Delta R.T. -0.024 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

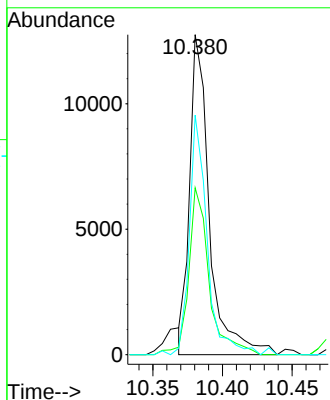
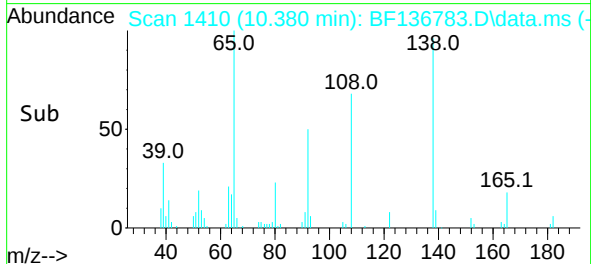
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:138 Resp: 12550  
Ion Ratio Lower Upper  
138 100  
92 52.2 32.1 72.1  
108 74.8 50.1 90.1

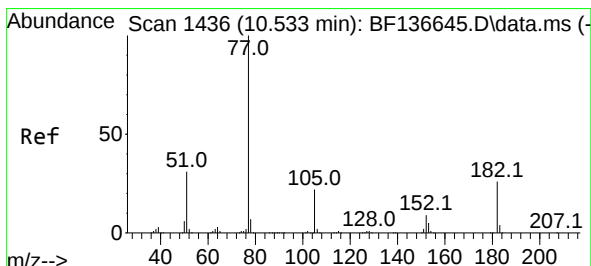
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

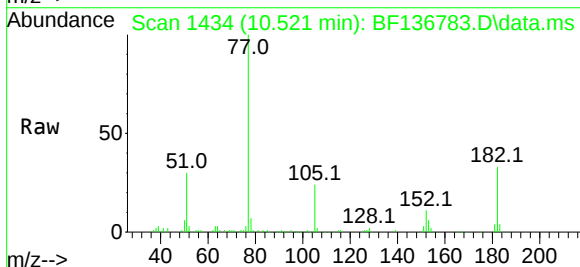


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Supervised By :Sohil  
Jodhani

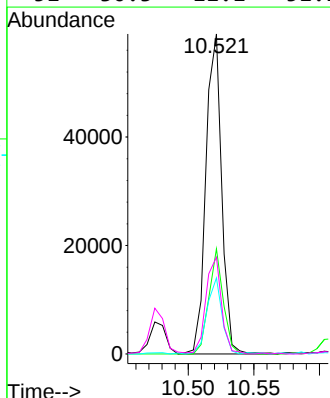
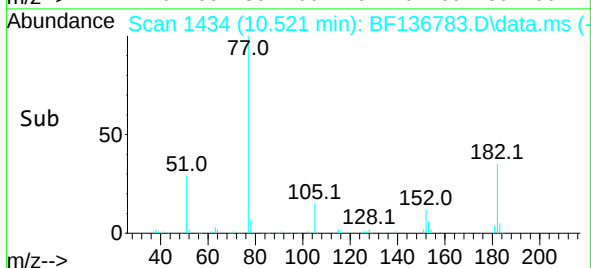
12/28/2023

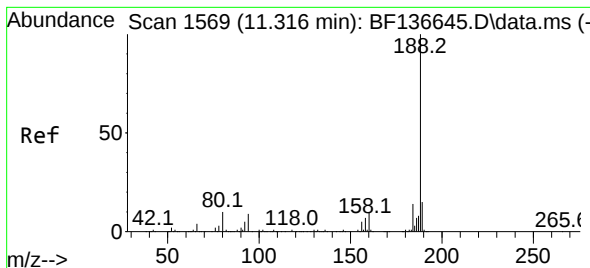


#63  
Azobenzene  
Concen: 8.412 ng  
RT: 10.521 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



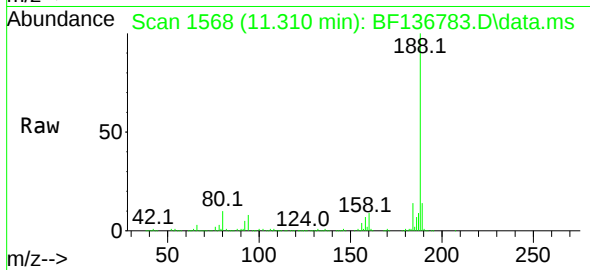
Tgt Ion: 77 Resp: 49456  
Ion Ratio Lower Upper  
77 100  
182 32.9 6.0 46.0  
105 23.8 2.3 42.3  
51 30.3 11.1 51.1





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

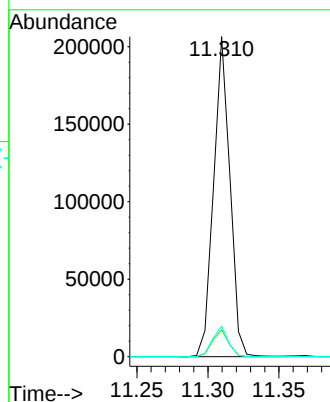
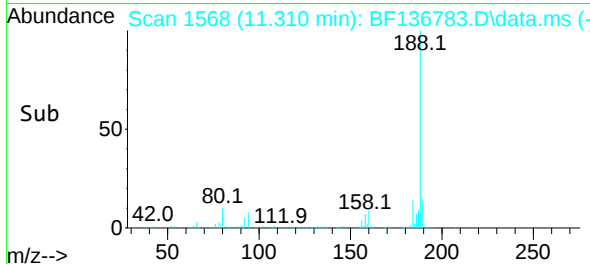
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:188 Resp: 165089  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.5 11.3  
80 9.6 8.1 12.1

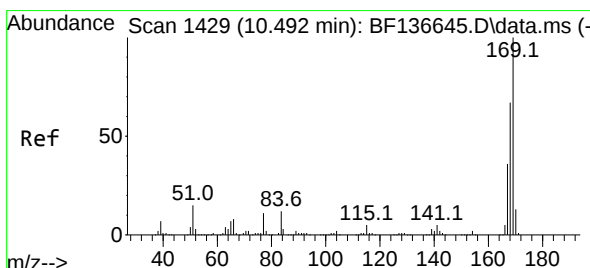
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



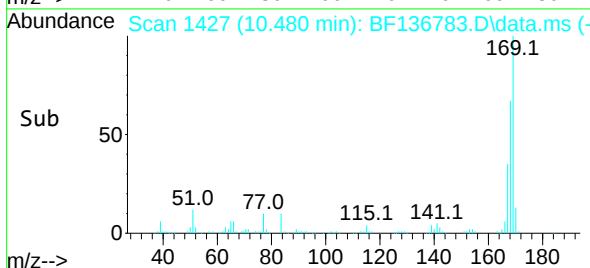
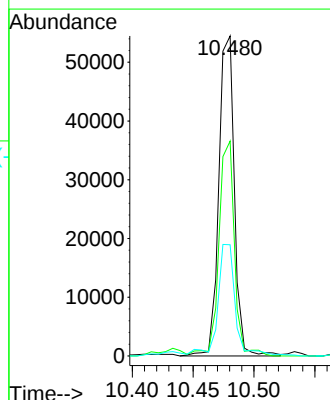
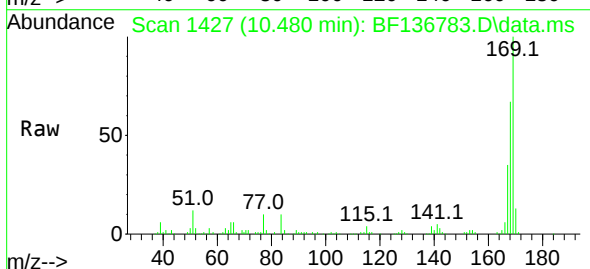
12/28/2023  
Supervised By :Sohil  
Jodhani

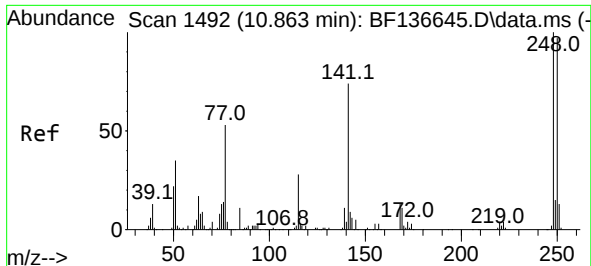
12/28/2023



#66  
n-Nitrosodiphenylamine  
Concen: 9.044 ng  
RT: 10.480 min Scan# 1427  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

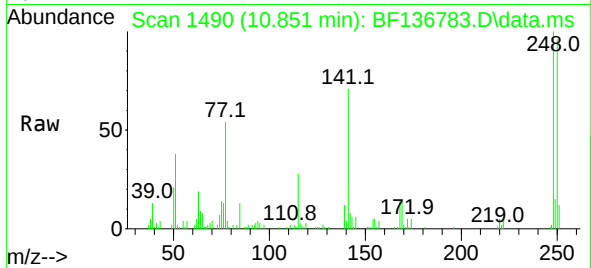
Tgt Ion:169 Resp: 48500  
Ion Ratio Lower Upper  
169 100  
168 67.2 53.8 80.6  
167 34.7 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 8.598 ng  
RT: 10.851 min Scan# 1490  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

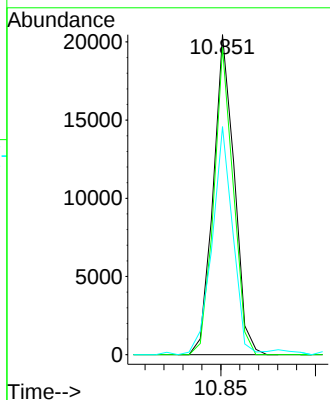
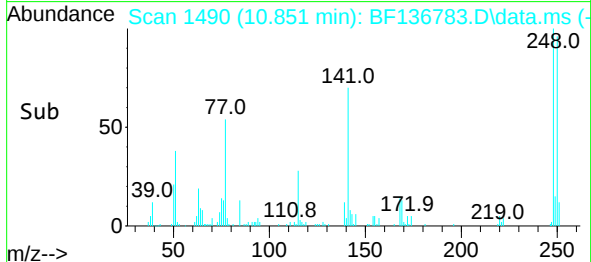
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:248 Resp: 1576  
Ion Ratio Lower Upper  
248 100  
250 96.0 77.8 116.6  
141 71.2 59.2 88.8

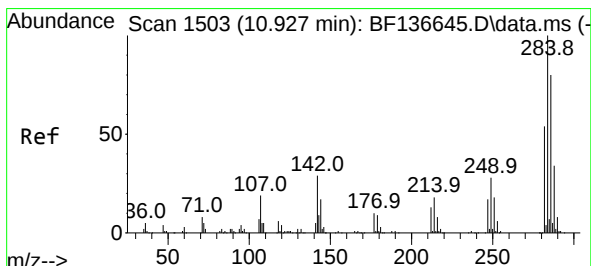
Manual Integrations  
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Reviewed By :Yogesh  
Patel

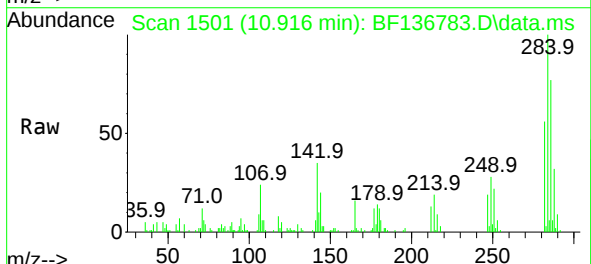


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Supervised By :Sohil  
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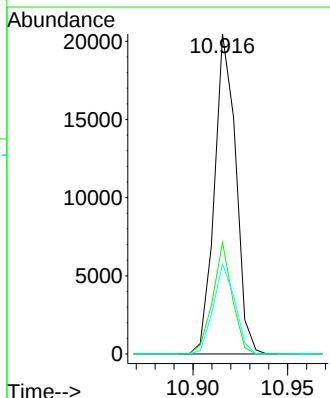
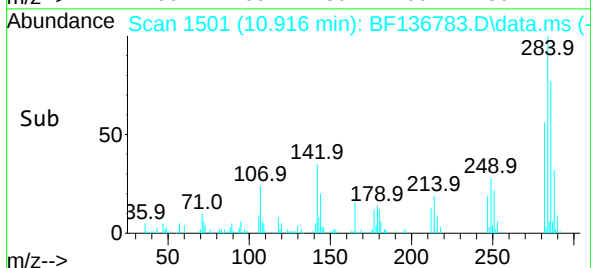
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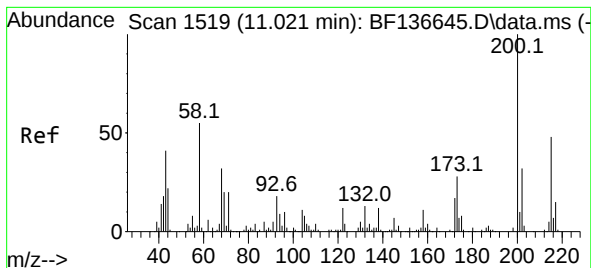


#68  
Hexachlorobenzene  
Concen: 7.876 ng  
RT: 10.916 min Scan# 1501  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion:284 Resp: 16092  
Ion Ratio Lower Upper  
284 100  
142 34.8 23.4 35.0  
249 28.2 22.3 33.5





#69

Atrazine

Concen: 11.152 ng

RT: 11.010 min Scan# 1517

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

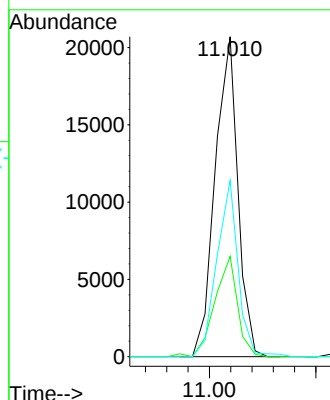
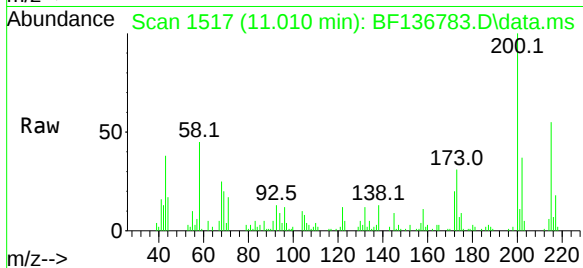
ClientSampleId :

PL-04-122023MSD

Tgt Ion:200 Resp: 15297  
 Ion Ratio Lower Upper  
 200 100  
 173 31.3 7.6 47.6  
 215 55.1 28.3 68.3

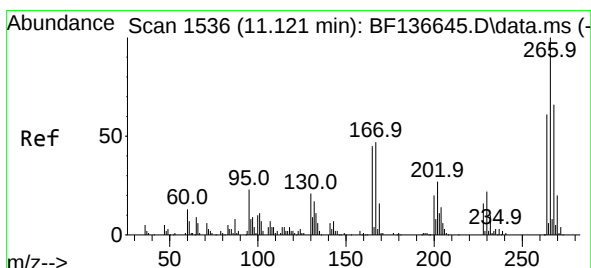
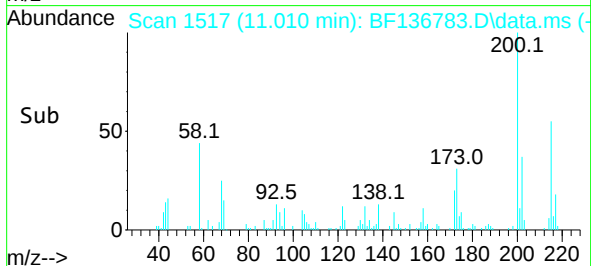
Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel



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 Supervised By :Sohil  
 Jodhani

12/28/2023



#70

Pentachlorophenol

Concen: 13.685 ng

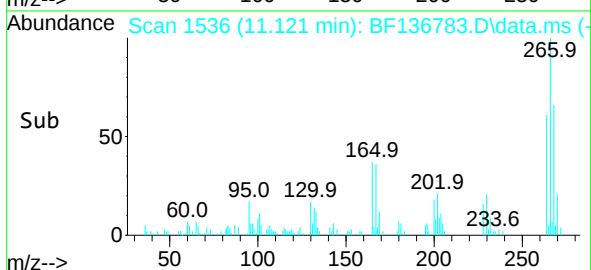
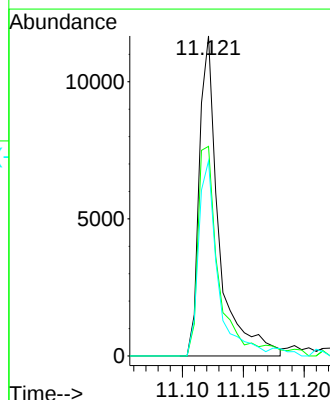
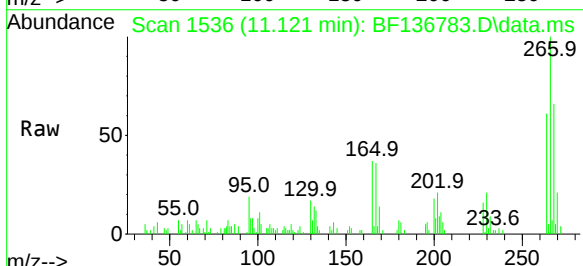
RT: 11.121 min Scan# 1536

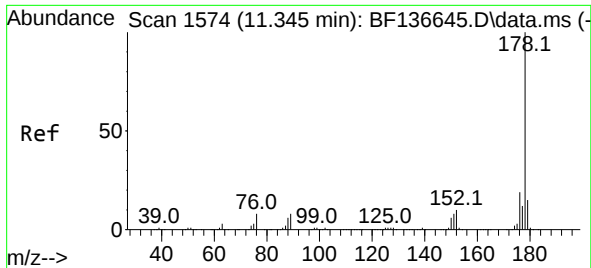
Delta R.T. -0.000 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

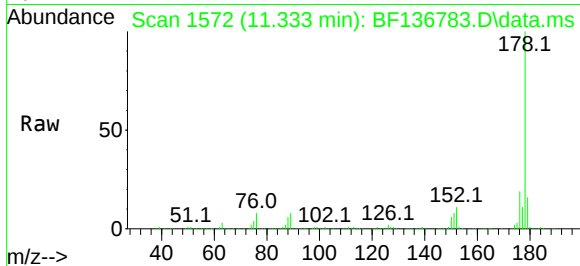
Tgt Ion:266 Resp: 13033  
 Ion Ratio Lower Upper  
 266 100  
 268 65.5 52.6 78.8  
 264 61.0 49.0 73.4





#71  
Phenanthrene  
Concen: 22.664 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

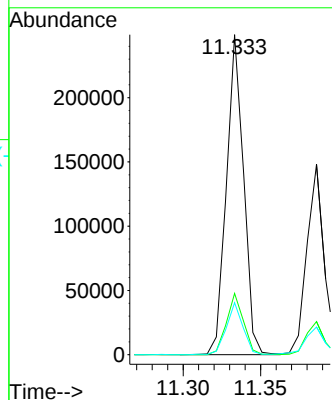
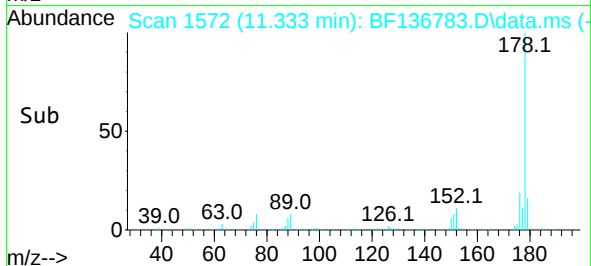
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:178 Resp: 191985  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.3 22.9  
179 16.2 11.9 17.9

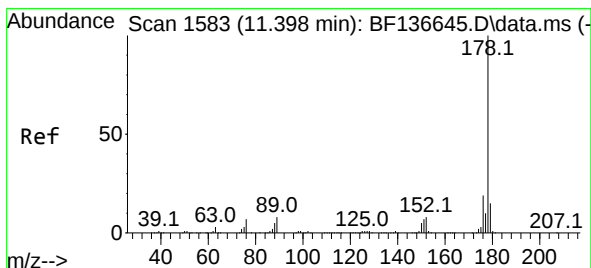
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

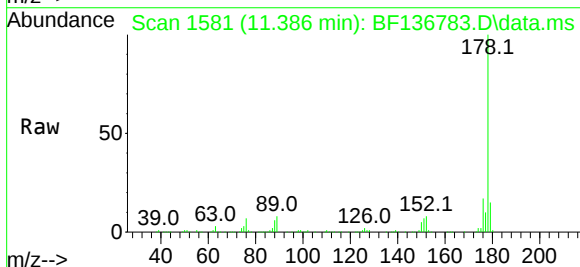


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Supervised By :Sohil  
Jodhani

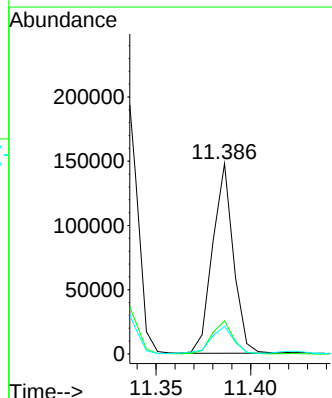
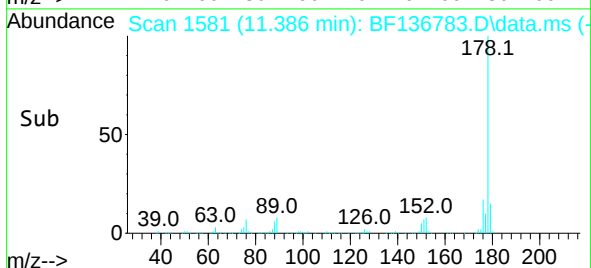
12/28/2023

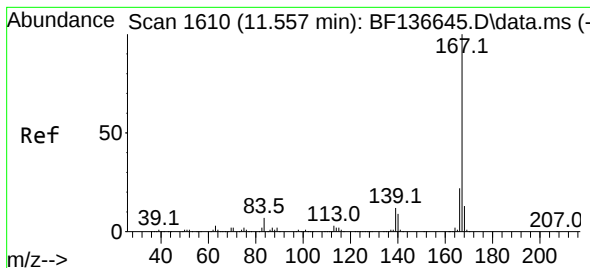


#72  
Anthracene  
Concen: 13.152 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.012 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion:178 Resp: 112827  
Ion Ratio Lower Upper  
178 100  
176 17.4 14.9 22.3  
179 14.5 11.8 17.6





#73

Carbazole

Concen: 9.996 ng

RT: 11.545 min Scan# 1608

Delta R.T. -0.012 min

Lab File: BF136783.D

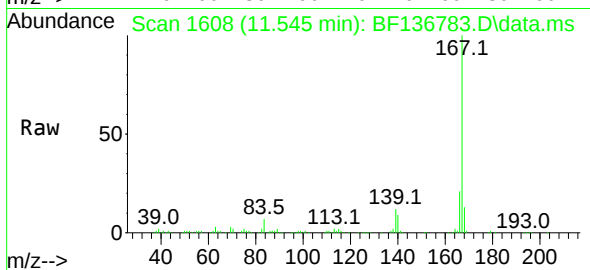
Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MSD



Tgt Ion:167 Resp: 8085

Ion Ratio Lower Upper

167 100

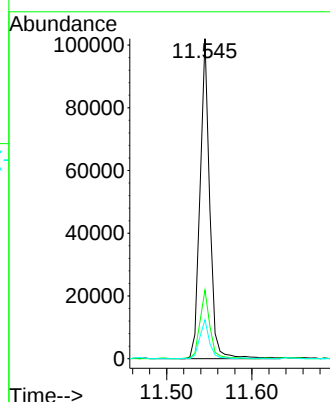
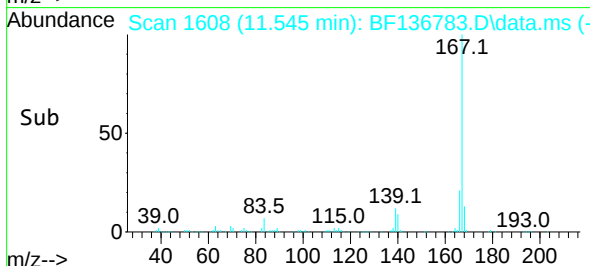
166 21.4 17.3 25.9

139 12.2 9.8 14.6

Manual Integrations

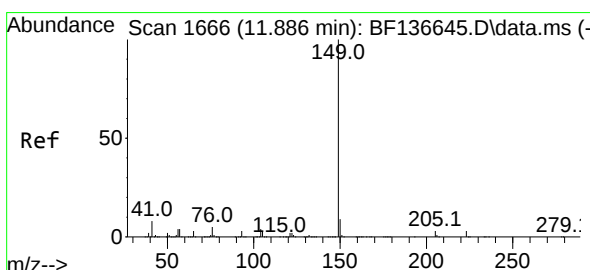
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#74

Di-n-butylphthalate

Concen: 9.853 ng

RT: 11.874 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

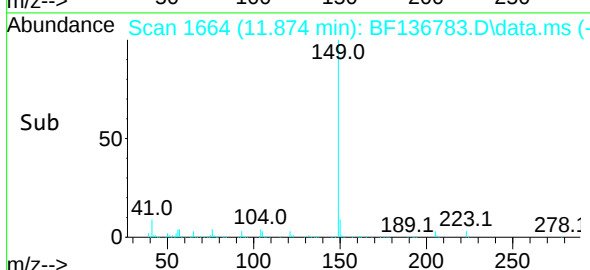
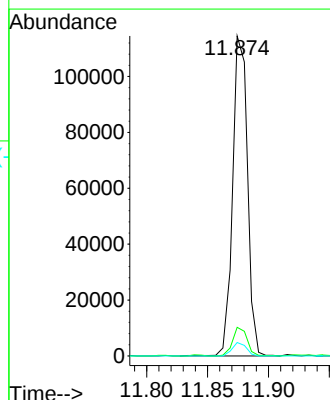
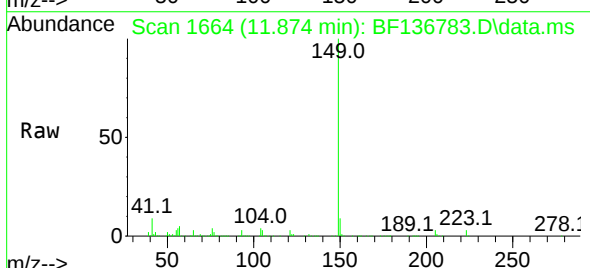
Tgt Ion:149 Resp: 97241

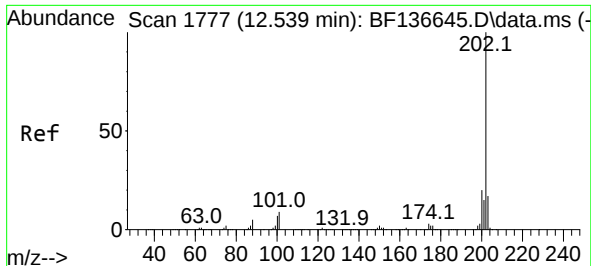
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

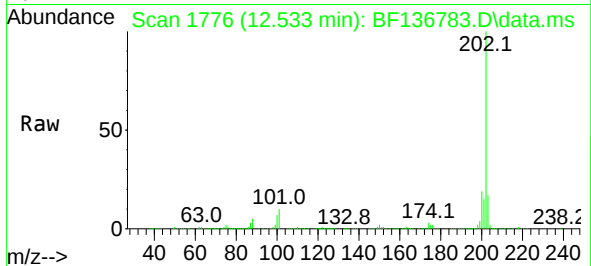
104 4.2 3.6 5.4





#75  
Fluoranthene  
Concen: 30.857 ng  
RT: 12.533 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

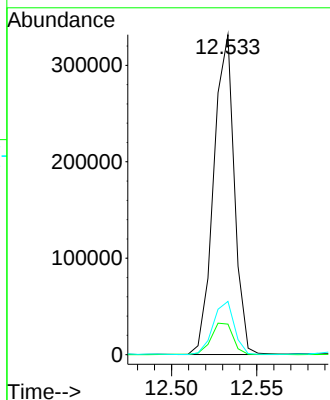
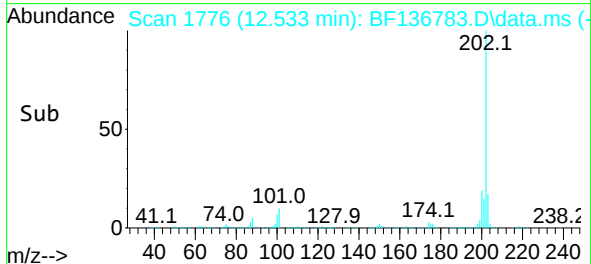
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:202 Resp: 279590  
Ion Ratio Lower Upper  
202 100  
101 9.6 0.0 29.3  
203 16.6 0.0 37.1

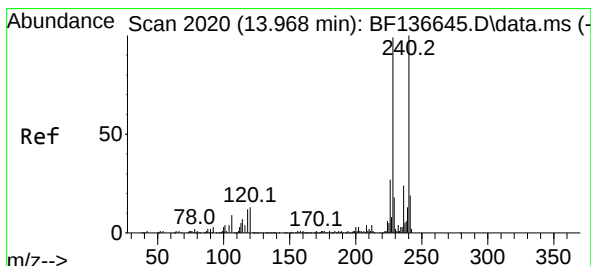
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



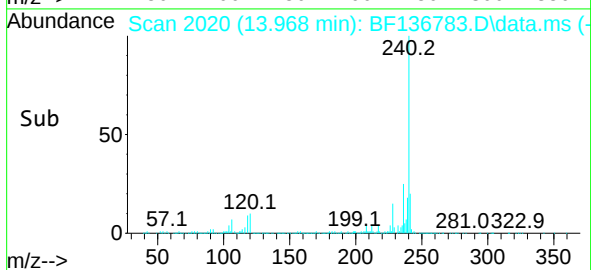
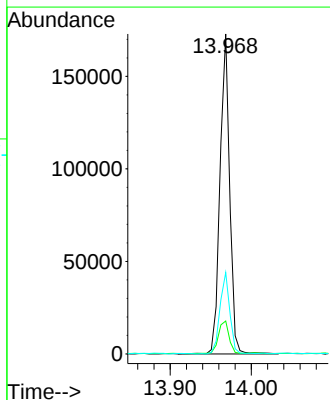
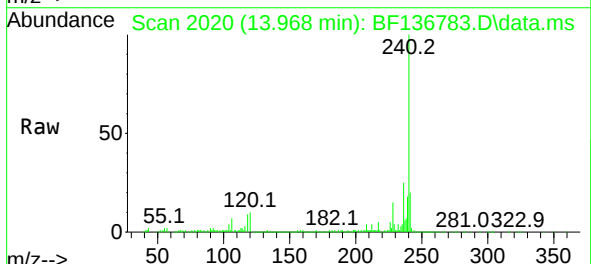
12/28/2023  
Supervised By :Sohil  
Jodhani

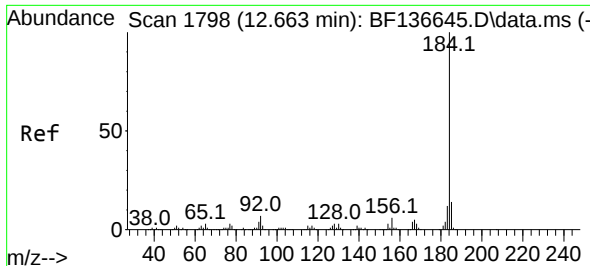
12/28/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.000 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

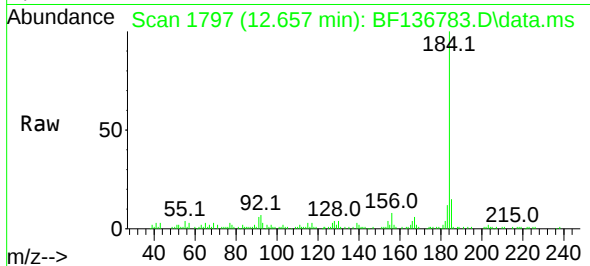
Tgt Ion:240 Resp: 143925  
Ion Ratio Lower Upper  
240 100  
120 10.3 10.3 15.5#  
236 25.5 19.4 29.2





#77  
Benzidine  
Concen: 8.671 ng  
RT: 12.657 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

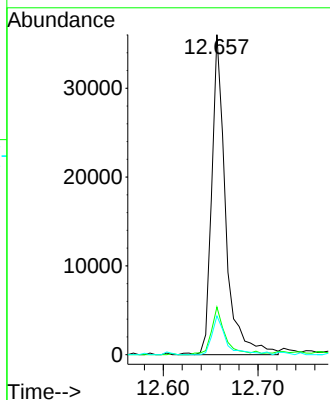
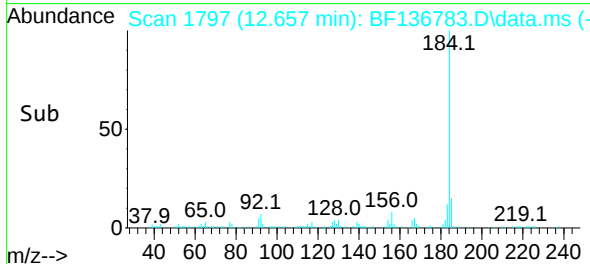
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:184 Resp: 3679  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.2 16.8  
183 12.1 9.3 13.9

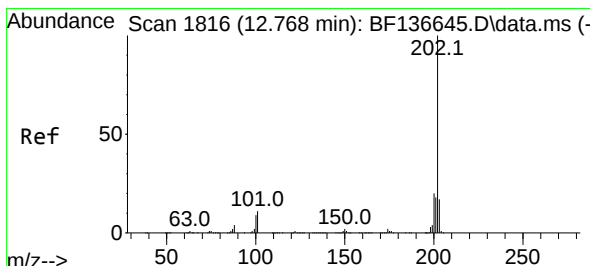
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

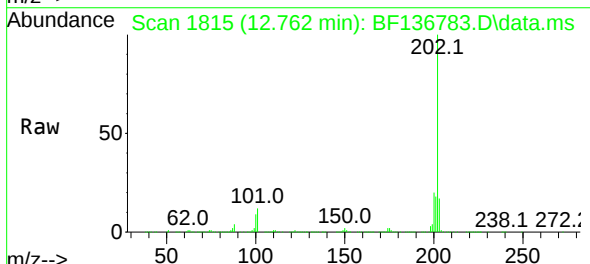


12/28/2023  
Supervised By :Sohil  
Jodhani

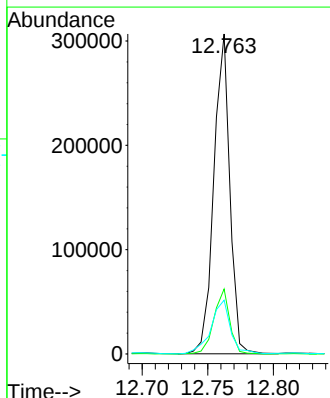
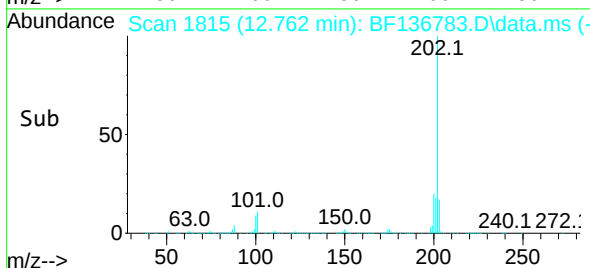
12/28/2023

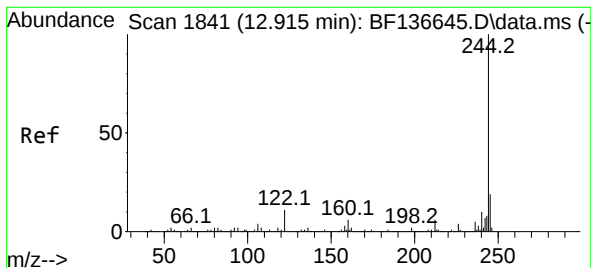


#78  
Pyrene  
Concen: 18.356 ng  
RT: 12.762 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11



Tgt Ion:202 Resp: 259340  
Ion Ratio Lower Upper  
202 100  
200 20.3 15.9 23.9  
203 16.8 13.8 20.6





#79

Terphenyl-d14

Concen: 9.587 ng

RT: 12.904 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

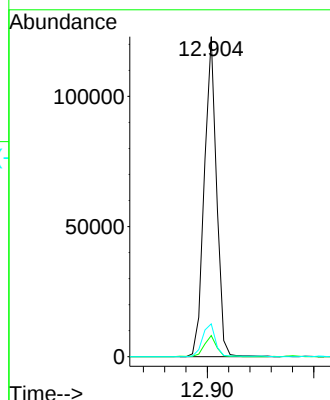
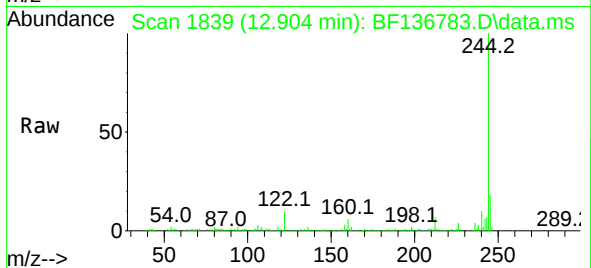
PL-04-122023MSD

Tgt Ion:244 Resp: 98734

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.6   | 5.0   | 7.4   |
| 122 | 10.2  | 9.0   | 13.4  |

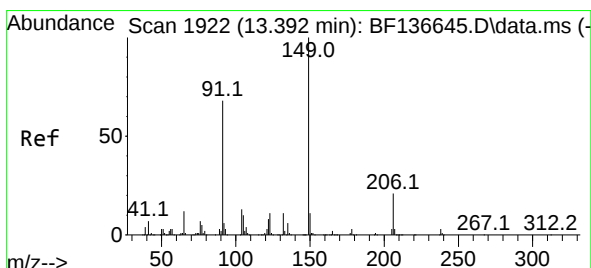
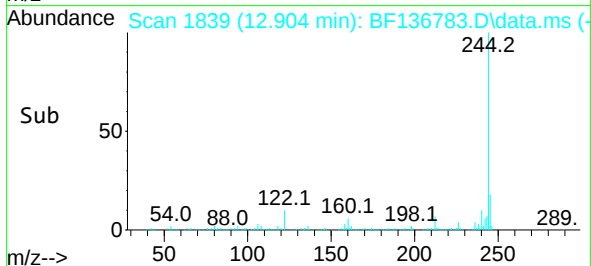
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#80

Butylbenzylphthalate

Concen: 8.737 ng

RT: 13.386 min Scan# 1921

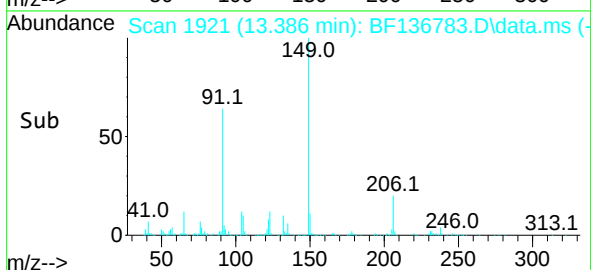
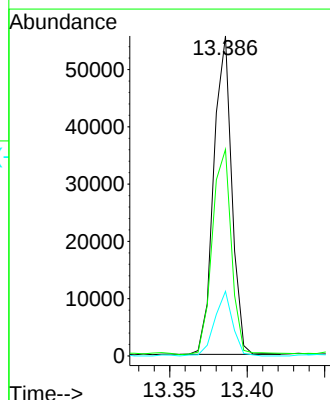
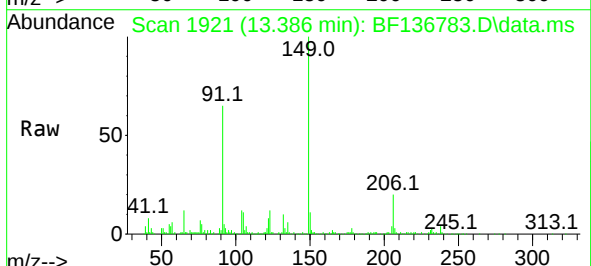
Delta R.T. -0.006 min

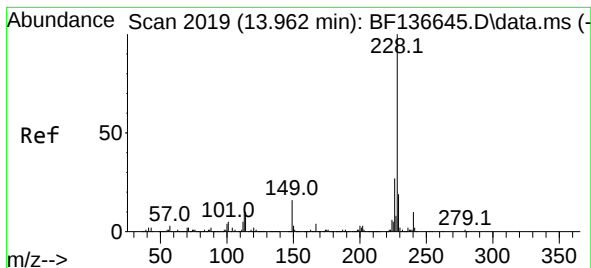
Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Tgt Ion:149 Resp: 44919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 64.6  | 54.1  | 81.1  |
| 206 | 20.2  | 17.1  | 25.7  |





#81

Benzo(a)anthracene

Concen: 16.416 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MSD

Tgt Ion:228 Resp: 164064

Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.0

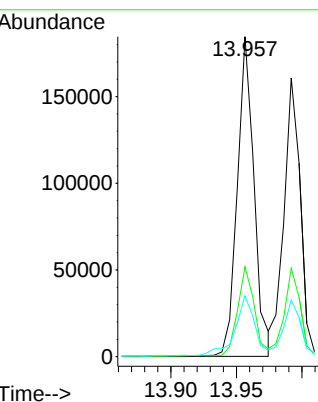
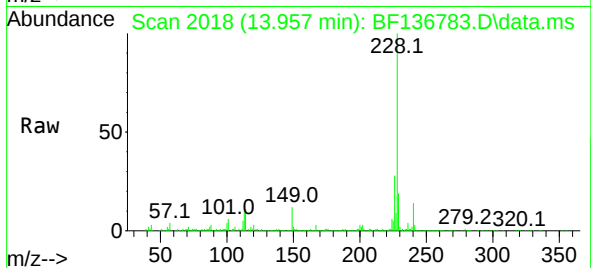
229 19.0 14.9 22.3

Manual Integrations

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Reviewed By :Yogesh

Patel

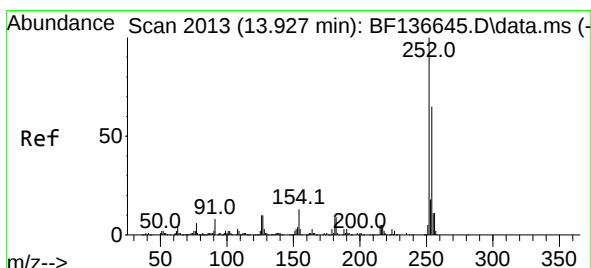
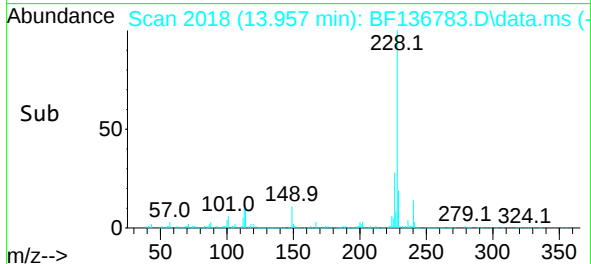


12/28/2023

Supervised By :Sohil

Jodhani

12/28/2023



#82

3,3'-Dichlorobenzidine

Concen: 9.613 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

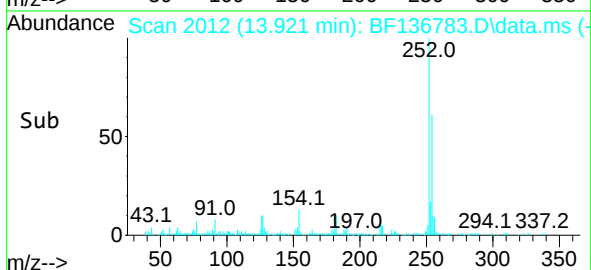
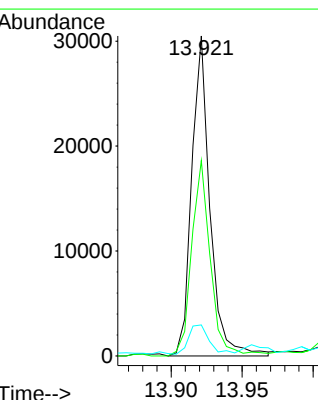
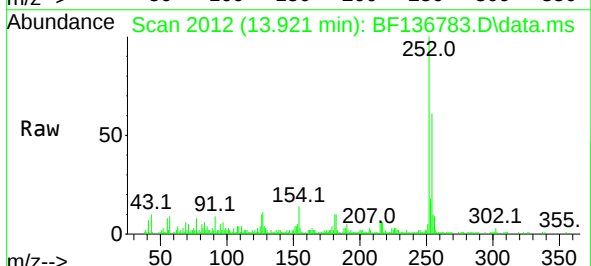
Tgt Ion:252 Resp: 27283

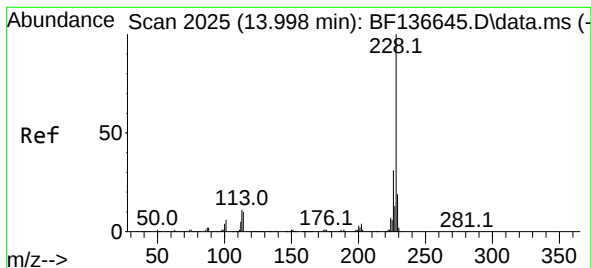
Ion Ratio Lower Upper

252 100

254 61.0 52.2 78.4

126 9.7 8.0 12.0





#83

Chrysene

Concen: 14.332 ng

RT: 13.992 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

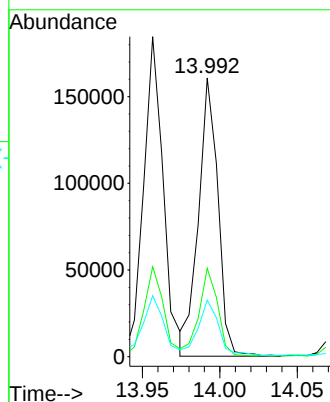
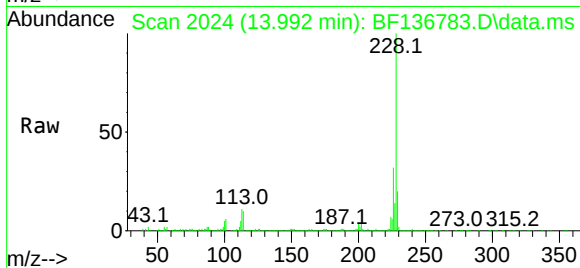
PL-04-122023MSD

Tgt Ion:228 Resp: 14006

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.8  | 24.7  | 37.1  |
| 229 | 20.3  | 15.4  | 23.0  |

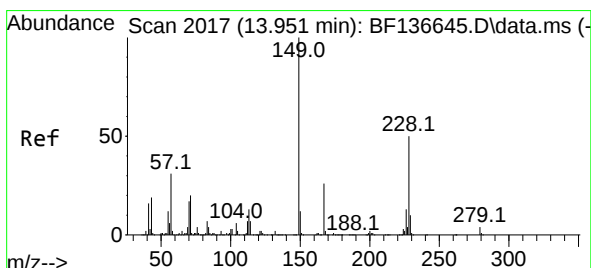
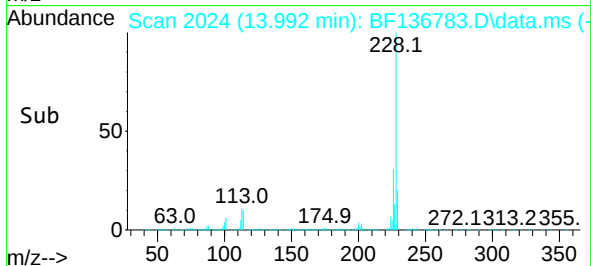
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.546 ng

RT: 13.951 min Scan# 2017

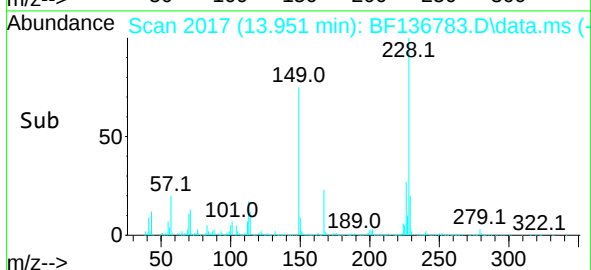
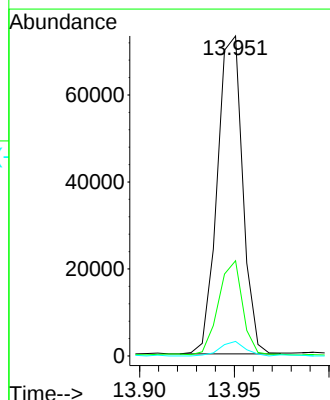
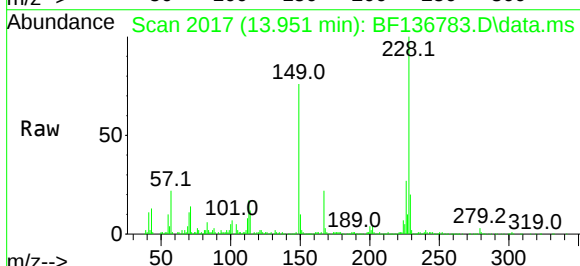
Delta R.T. -0.000 min

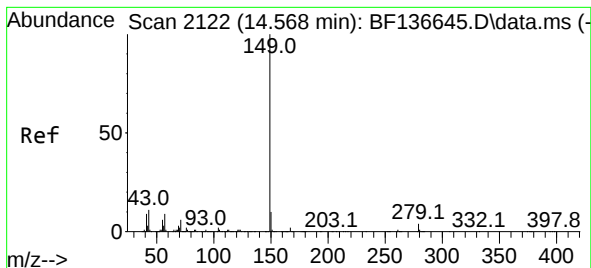
Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Tgt Ion:149 Resp: 68213

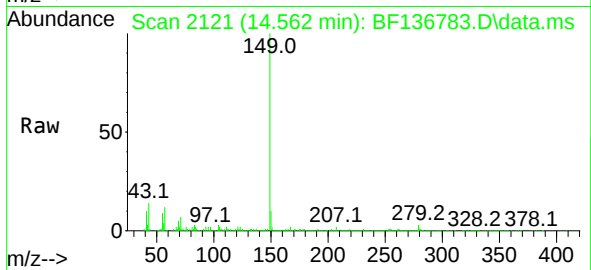
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.8  | 20.9  | 31.3  |
| 279 | 4.5   | 2.9   | 4.3#  |





#85  
Di-n-octyl phthalate  
Concen: 11.382 ng  
RT: 14.562 min Scan# 2122  
Delta R.T. -0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

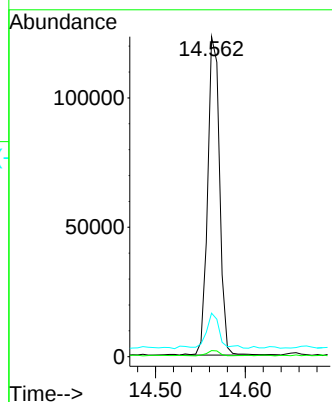
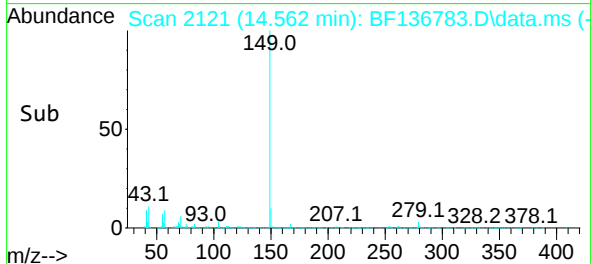
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MSD



Tgt Ion:149 Resp: 113884  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.2 1.8  
43 11.7 8.9 13.3

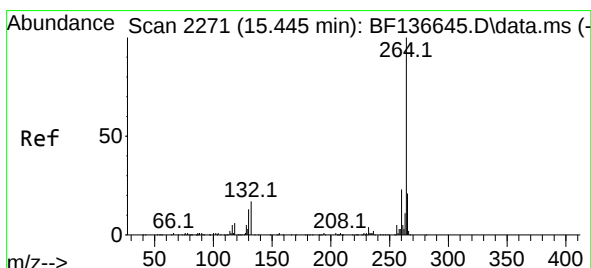
Manual Integrations  
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Reviewed By :Yogesh  
Patel



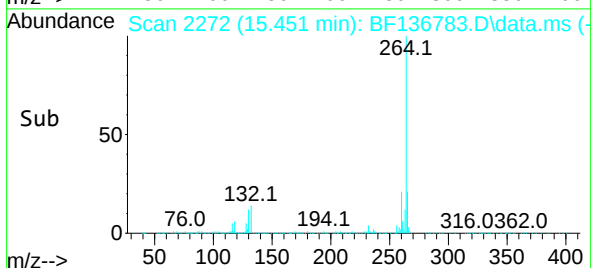
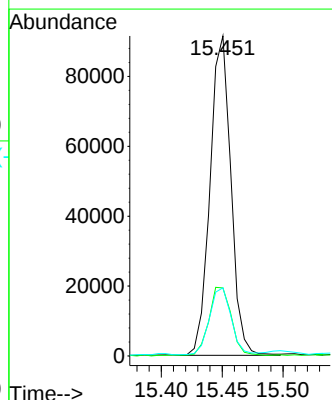
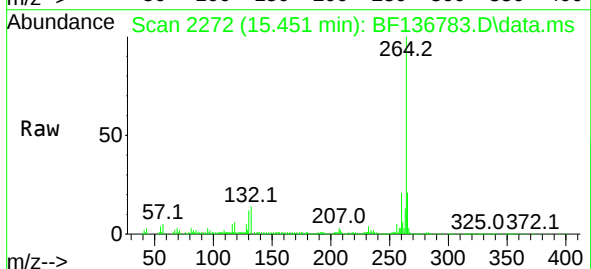
12/28/2023  
Supervised By :Sohil  
Jodhani

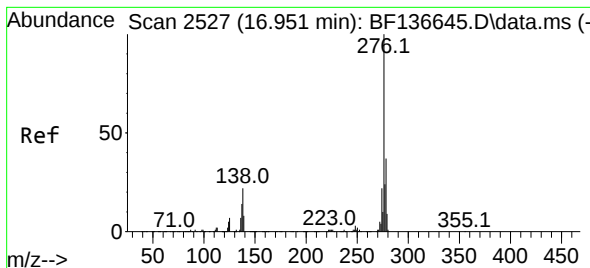
12/28/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.451 min Scan# 2272  
Delta R.T. 0.006 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Tgt Ion:264 Resp: 108781  
Ion Ratio Lower Upper  
264 100  
260 21.3 18.3 27.5  
265 21.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.889 ng

RT: 16.950 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

ClientSampleId :

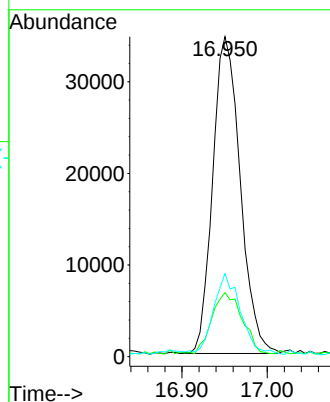
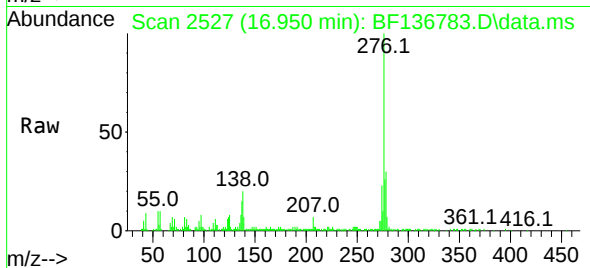
PL-04-122023MSD

Tgt Ion:276 Resp: 7767

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 21.2  | 18.7  | 28.1  |
| 277 | 24.9  | 20.2  | 30.2  |

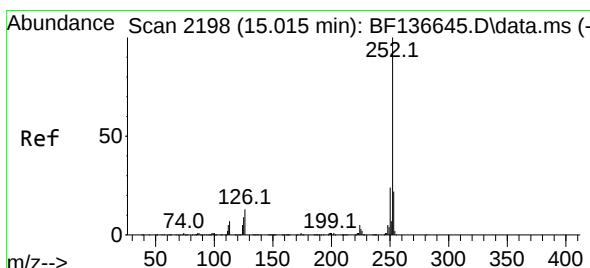
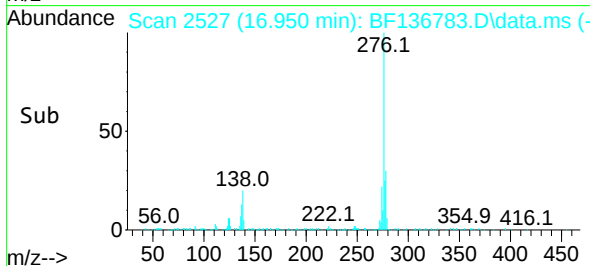
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#88

Benzo(b)fluoranthene

Concen: 16.431 ng

RT: 15.015 min Scan# 2198

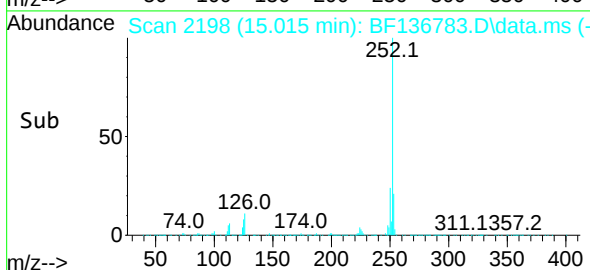
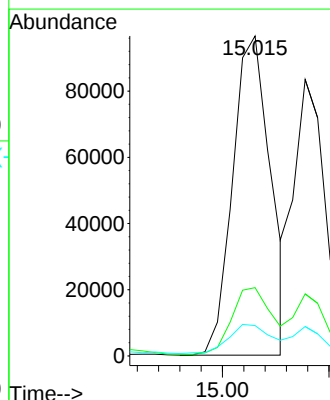
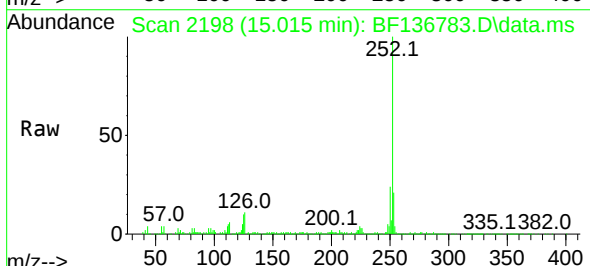
Delta R.T. -0.000 min

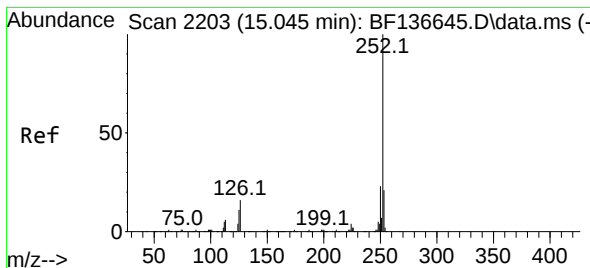
Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Tgt Ion:252 Resp: 119382

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.3  | 17.4  | 26.0  |
| 125 | 9.5   | 7.4   | 11.2  |





#89

Benzo(k)fluoranthene

Concen: 12.367 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

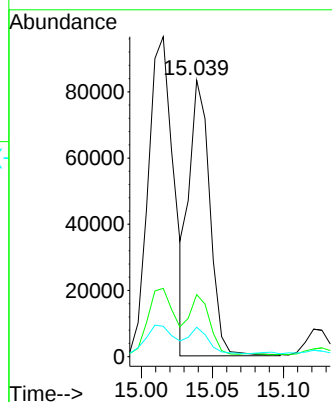
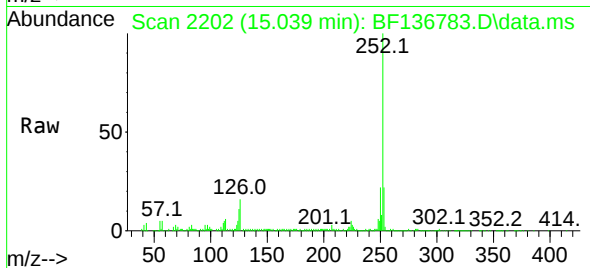
ClientSampleId :

PL-04-122023MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 84904 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.4  | 17.0  | 25.6  |
| 125       | 10.6  | 8.2   | 12.4  |

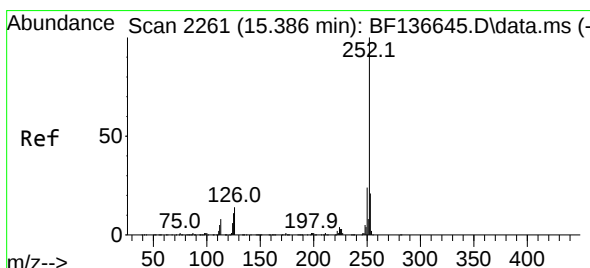
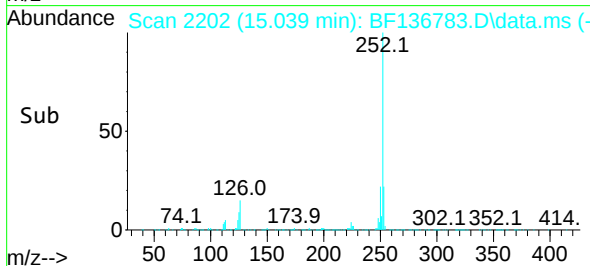
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#90

Benzo(a)pyrene

Concen: 14.409 ng

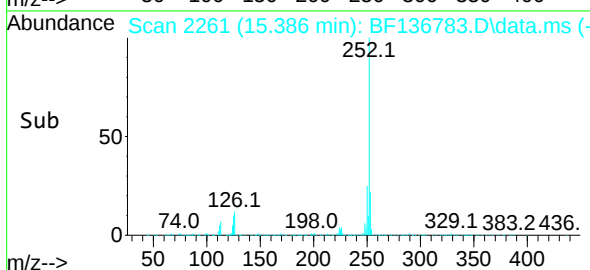
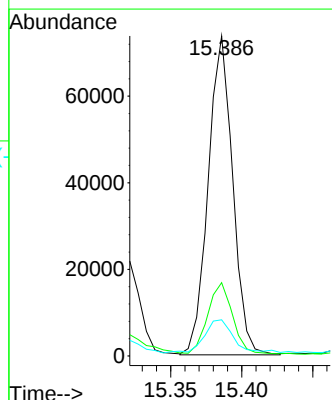
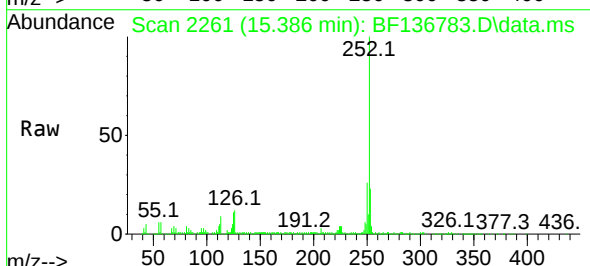
RT: 15.386 min Scan# 2261

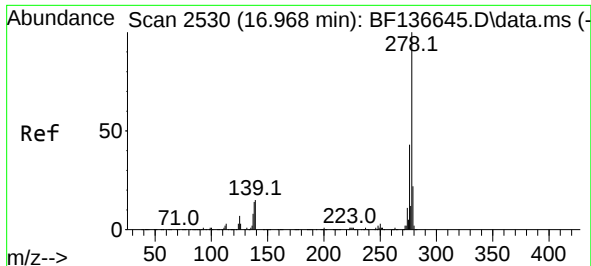
Delta R.T. -0.000 min

Lab File: BF136783.D

Acq: 28 Dec 2023 04:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 88369 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.9  | 17.0  | 25.6  |
| 125       | 11.3  | 8.8   | 13.2  |





#91  
Dibenzo(a,h)anthracene  
Concen: 8.116 ng  
RT: 16.968 min Scan# 2530  
Delta R.T. -0.000 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Instrument :

BNA\_F

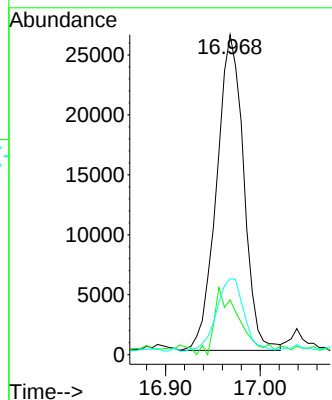
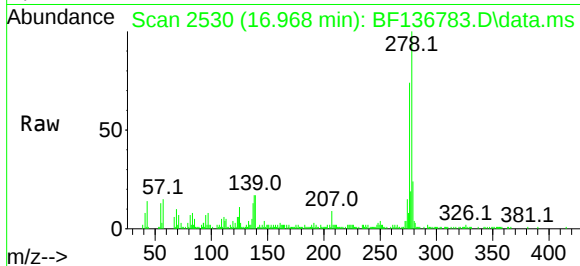
ClientSampleId :

PL-04-122023MSD

Tgt Ion:278 Resp: 52290  
Ion Ratio Lower Upper  
278 100  
139 17.1 12.2 18.4  
279 23.7 17.8 26.6

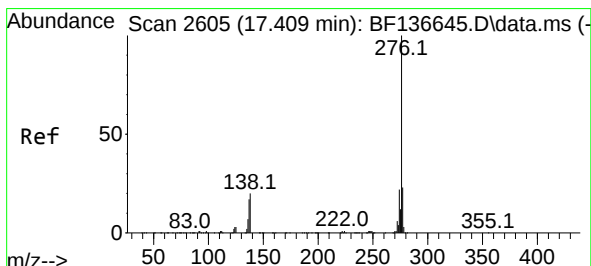
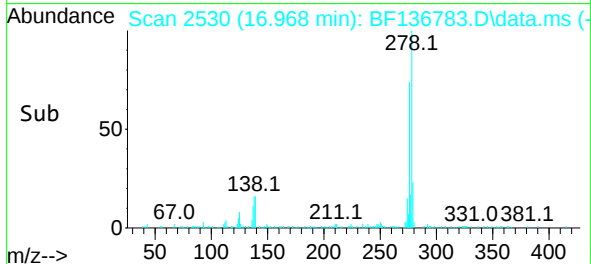
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel



12/28/2023  
Supervised By :Sohil  
Jodhani

12/28/2023



#92  
Benzo(g,h,i)perylene  
Concen: 9.512 ng  
RT: 17.409 min Scan# 2605  
Delta R.T. -0.000 min  
Lab File: BF136783.D  
Acq: 28 Dec 2023 04:11

Tgt Ion:276 Resp: 62773  
Ion Ratio Lower Upper  
276 100  
277 27.1 18.3 27.5  
138 20.1 15.6 23.4

