

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122723\  
 Data File : BF136752.D  
 Acq On : 27 Dec 2023 11:45  
 Operator : CG\JU  
 Sample : PB157937BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157937BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023  
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 12:12:38 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  | 92748    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 370045   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 171632   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 295500   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 172808   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 157848   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.439  | 112  | 705513   | 118.687 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.439  | 99   | 835107   | 108.422 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 533739   | 73.807  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 208827   | 103.311 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 955182   | 74.852  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 841616   | 68.060  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 73665    | 29.743  | ng    | 99       |
| 3) Pyridine                   | 3.398  | 79   | 174525   | 28.881  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.363  | 42   | 128198   | 39.726  | ng    | 97       |
| 6) Aniline                    | 6.451  | 93   | 181330   | 23.547  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.575  | 128  | 273044   | 41.974  | ng    | 98       |
| 9) Benzaldehyde               | 6.339  | 77   | 60825    | 13.883  | ng    | 98       |
| 10) Phenol                    | 6.451  | 94   | 312895   | 38.054  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.528  | 93   | 255294   | 40.827  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 271347   | 38.238  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 279949   | 38.609  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 265441   | 39.342  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 218172   | 41.986  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 404570   | 39.574  | ng    | 92       |
| 17) 2-Methylphenol            | 7.051  | 107  | 207240   | 38.456  | ng    | 96       |
| 18) Hexachloroethane          | 7.292  | 117  | 102195   | 38.809  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 181436   | 38.859  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 248575   | 36.922  | ng    | # 74     |
| 22) Acetophenone              | 7.198  | 105  | 372507   | 40.162  | ng    | 95       |
| 24) Nitrobenzene              | 7.369  | 77   | 276744   | 38.203  | ng    | 99       |
| 25) Isophorone                | 7.610  | 82   | 492209   | 37.406  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 140679   | 40.590  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 204462   | 48.456  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 302769   | 37.854  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 203024   | 37.374  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 233285   | 38.543  | ng    | 98       |
| 31) Naphthalene               | 8.086  | 128  | 776183   | 38.181  | ng    | 100      |
| 32) Benzoic acid              | 7.875  | 122  | 145736   | 35.696  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 163797   | 21.822  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 136928   | 37.236  | ng    | 99       |
| 35) Caprolactam               | 8.516  | 113  | 63557m   | 35.466  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.633  | 107  | 216720   | 35.438  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.780  | 142  | 474034   | 36.232  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 448819   | 34.966  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.945  | 216  | 223842   | 42.112  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.928  | 237  | 150220   | 88.108  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 140647   | 41.259  | ng    | 99       |

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Manual Integrations  
 APPROVED

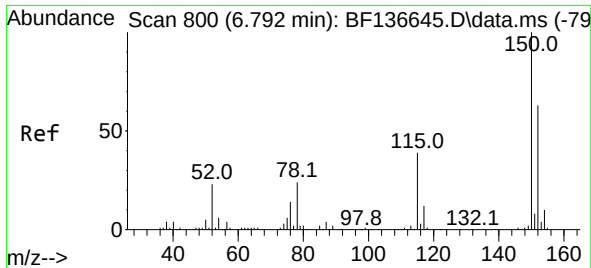
Reviewed By :Yogesh Patel 12/28/2023  
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 12:12:38 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) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 148943   | 39.209 | ng    | # 95     |
| 46) 1,1'-Biphenyl             | 9.245  | 154  | 579064   | 40.206 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 438709   | 40.068 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.369  | 65   | 133710   | 38.998 | ng    | 98       |
| 49) Acenaphthylene            | 9.686  | 152  | 686721   | 41.034 | ng    | 100      |
| 50) Dimethylphthalate         | 9.551  | 163  | 479259   | 38.229 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 106017   | 37.262 | ng    | 96       |
| 52) Acenaphthene              | 9.857  | 154  | 400958   | 38.650 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 88819    | 29.470 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 103372   | 66.230 | ng    | 90       |
| 55) Dibenzofuran              | 10.027 | 168  | 603500   | 38.377 | ng    | 100      |
| 56) 4-Nitrophenol             | 9.963  | 139  | 136409   | 67.046 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 132249   | 35.805 | ng    | 97       |
| 58) Fluorene                  | 10.374 | 166  | 464838   | 37.254 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 117104   | 40.047 | ng    | 98       |
| 60) Diethylphthalate          | 10.251 | 149  | 473767   | 36.423 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 220485   | 36.354 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.404 | 138  | 90951m   | 31.303 | ng    |          |
| 63) Azobenzene                | 10.527 | 77   | 438761   | 36.115 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 68738    | 40.589 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 405882   | 42.283 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 136548   | 41.608 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 150105   | 41.044 | ng    | 98       |
| 69) Atrazine                  | 11.022 | 200  | 96262    | 39.208 | ng    | 97       |
| 70) Pentachlorophenol         | 11.121 | 266  | 114116   | 66.943 | ng    | 94       |
| 71) Phenanthrene              | 11.339 | 178  | 624432   | 41.183 | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 624378   | 40.662 | ng    | 99       |
| 73) Carbazole                 | 11.551 | 167  | 559630   | 38.656 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 684092   | 38.724 | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 618321   | 38.125 | ng    | 98       |
| 77) Benzidine                 | 12.657 | 184  | 37395    | 7.339  | ng    | 98       |
| 78) Pyrene                    | 12.763 | 202  | 620743   | 36.592 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 247283   | 40.061 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 481365   | 40.115 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 152212   | 44.666 | ng    | 98       |
| 83) Chrysene                  | 13.998 | 228  | 467063   | 39.803 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 337938   | 43.513 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 14.562 | 149  | 573547   | 47.742 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.956 | 276  | 558376   | 48.994 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 463718   | 43.984 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 453443   | 45.517 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 410304   | 46.105 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.980 | 278  | 476331   | 50.945 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 474075   | 49.505 | ng    | 98       |

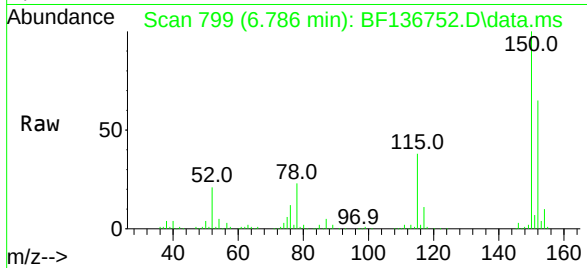
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.786 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

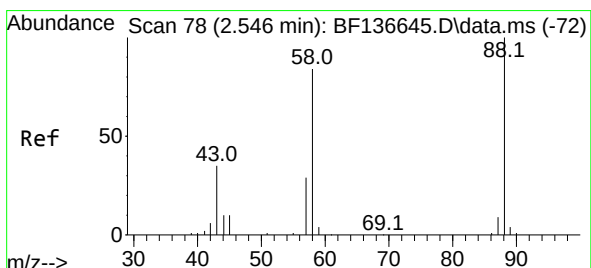
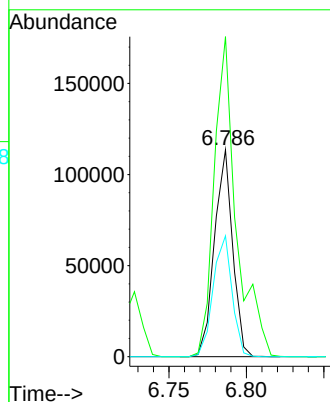
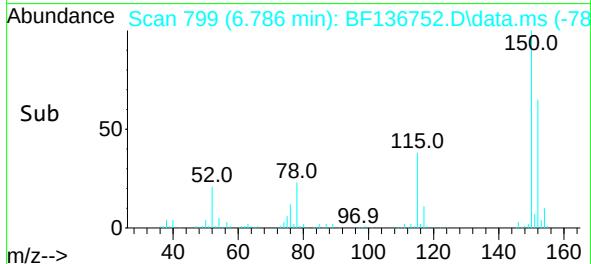
Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS



Tgt Ion:152 Resp: 92748  
Ion Ratio Lower Upper  
152 100  
150 154.7 127.0 190.6  
115 58.4 49.0 73.4

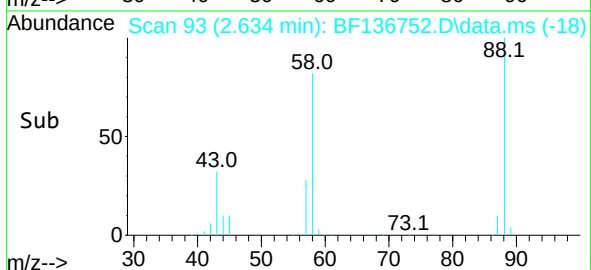
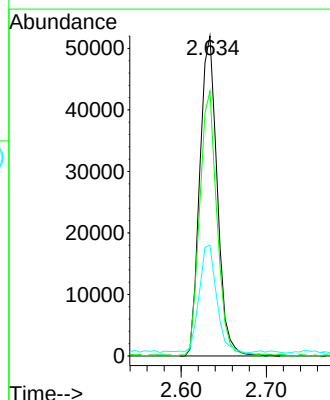
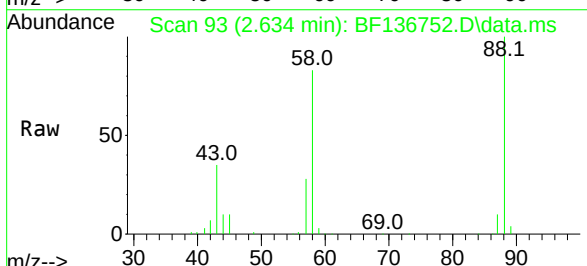
Manual Integrations  
APPROVED

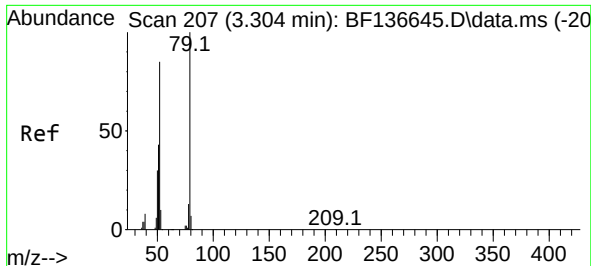
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#2  
1,4-Dioxane  
Concen: 29.743 ng  
RT: 2.634 min Scan# 93  
Delta R.T. 0.088 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

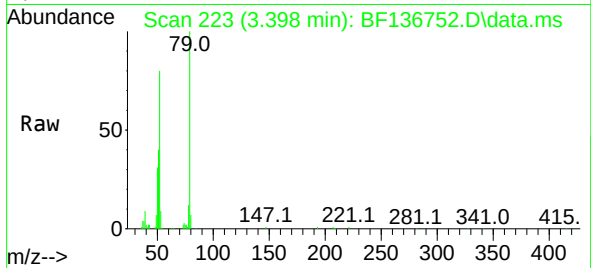
Tgt Ion: 88 Resp: 73665  
Ion Ratio Lower Upper  
88 100  
58 83.2 67.4 101.0  
43 34.2 27.7 41.5





#3  
Pyridine  
Concen: 28.881 ng  
RT: 3.398 min Scan# 217  
Delta R.T. 0.094 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

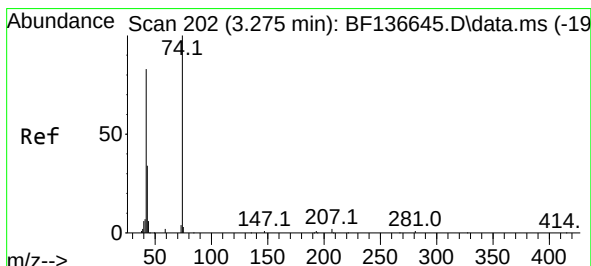
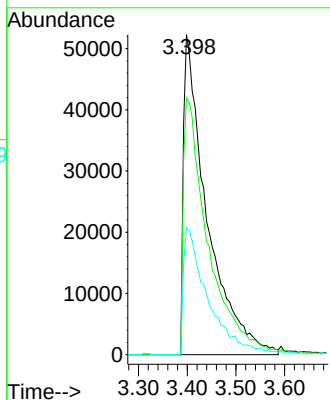
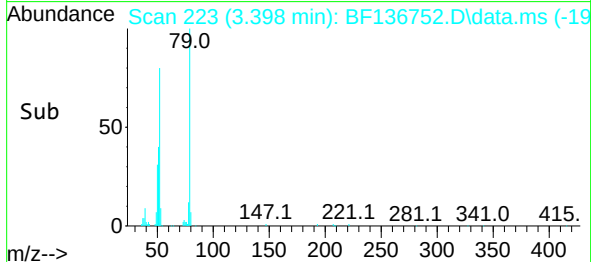
Instrument :  
BNA\_F  
ClientSampleId :  
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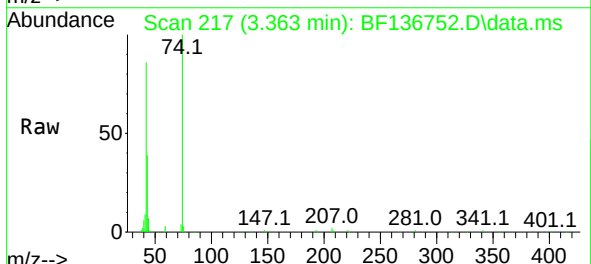
Tgt Ion: 79 Resp: 17452  
Ion Ratio Lower Upper  
79 100  
52 80.2 67.7 101.5  
51 39.8 34.0 51.0

Manual Integrations  
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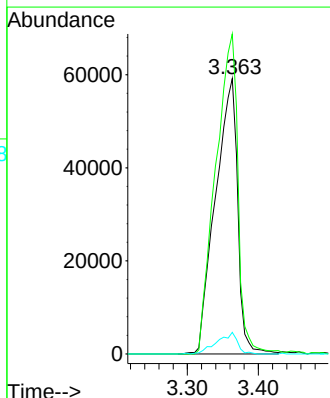
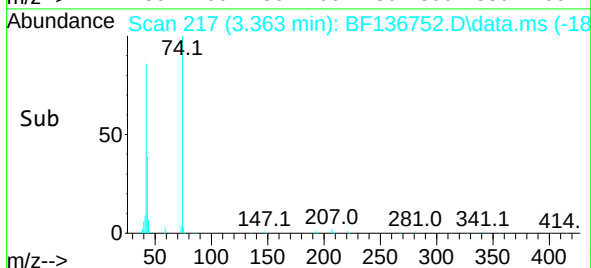
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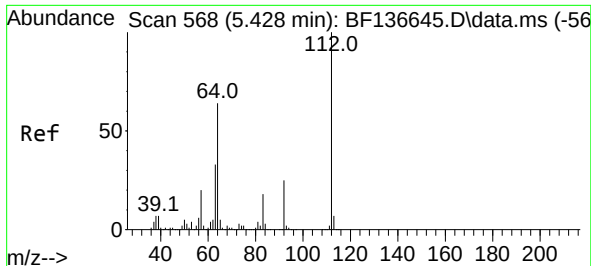


#4  
n-Nitrosodimethylamine  
Concen: 39.726 ng  
RT: 3.363 min Scan# 217  
Delta R.T. 0.088 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion: 42 Resp: 128198  
Ion Ratio Lower Upper  
42 100  
74 116.2 96.0 144.0  
44 7.8 5.4 8.2





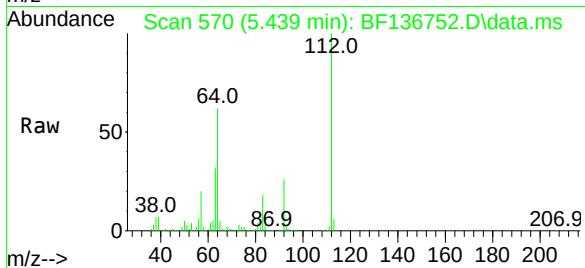
#5  
2-Fluorophenol  
Concen: 118.687 ng  
RT: 5.439 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

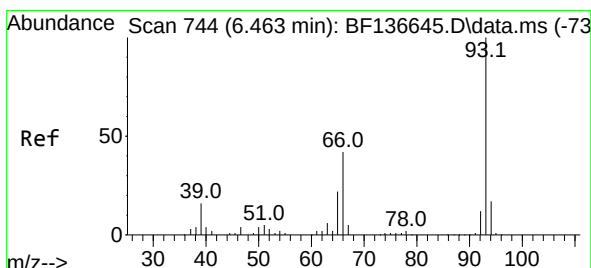
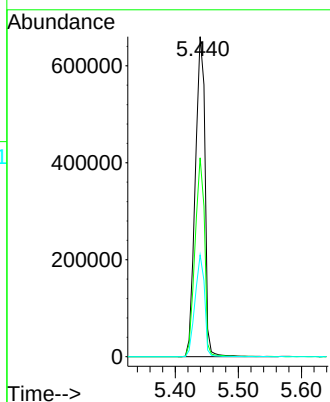
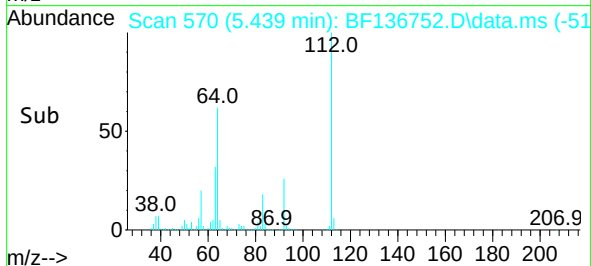


Tgt Ion:112 Resp: 70551  
Ion Ratio Lower Upper  
112 100  
64 62.1 51.1 76.7  
63 31.8 26.1 39.1

Manual Integrations

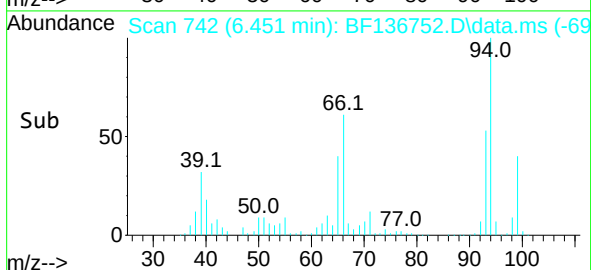
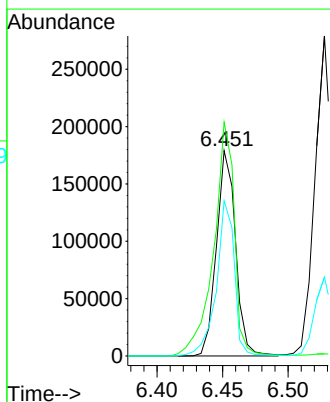
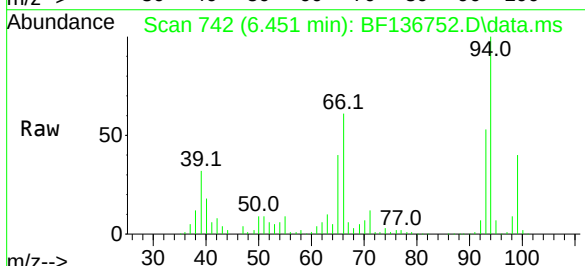
APPROVED

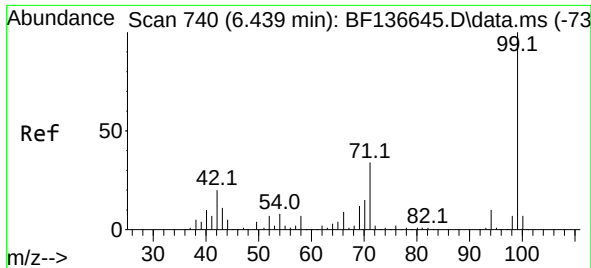
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#6  
Aniline  
Concen: 23.547 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.012 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

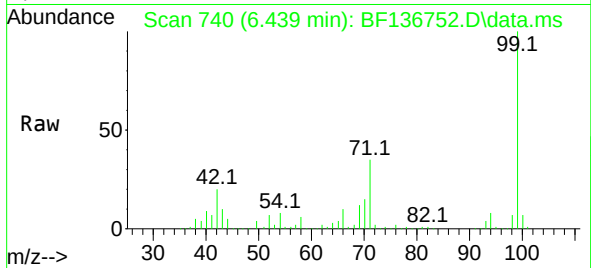
Tgt Ion: 93 Resp: 181330  
Ion Ratio Lower Upper  
93 100  
66 113.8 34.6 51.8#  
65 75.6 17.8 26.8#





#7  
Phenol-d6  
Concen: 108.422 ng  
RT: 6.439 min Scan# 740  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

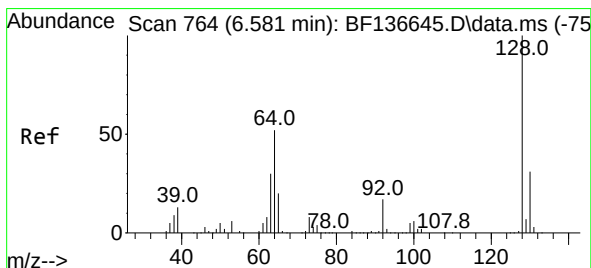
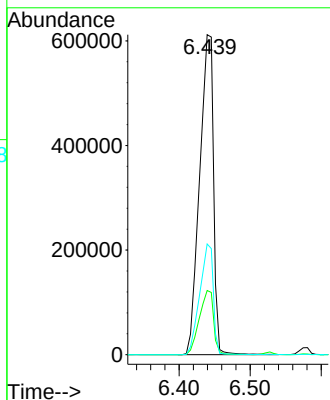
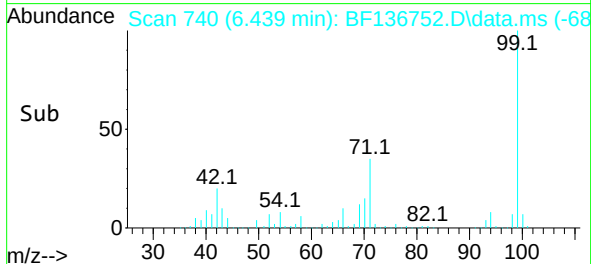
Instrument :  
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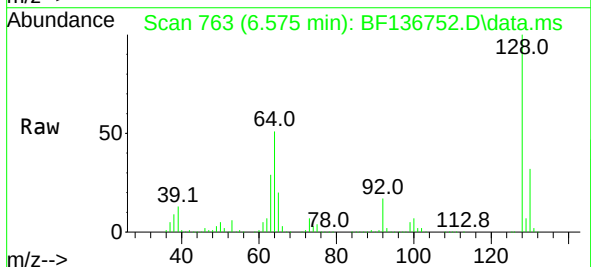
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Ion Ratio Lower Upper  
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42 20.0 16.1 24.1  
71 34.6 27.4 41.2

Manual Integrations  
APPROVED

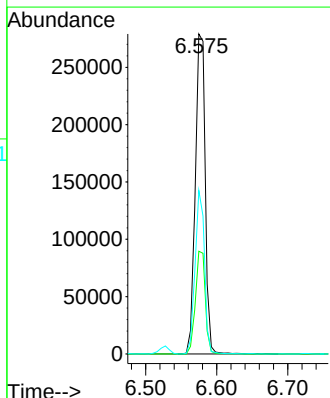
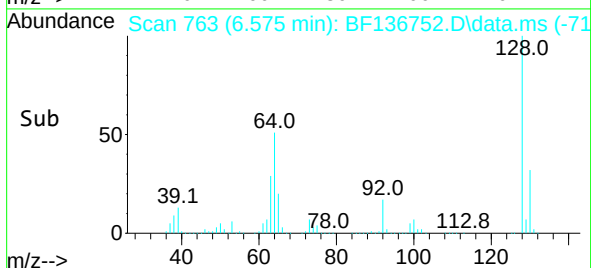
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Supervised By :mohammad ahmed 12/28/2023

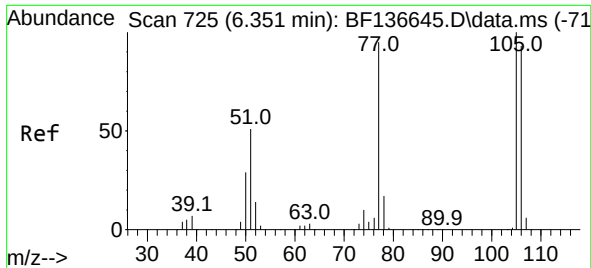


#8  
2-Chlorophenol  
Concen: 41.974 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:128 Resp: 273044  
Ion Ratio Lower Upper  
128 100  
130 32.1 11.3 51.3  
64 51.1 32.5 72.5





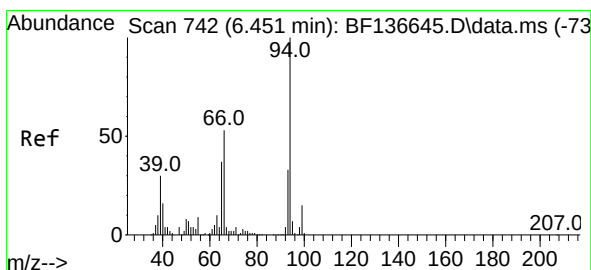
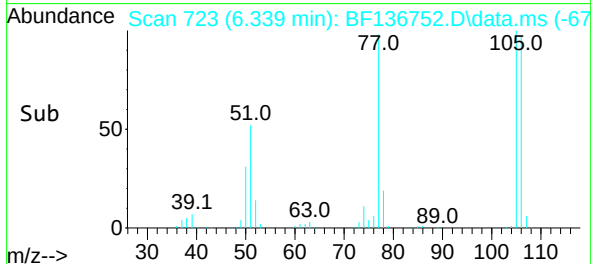
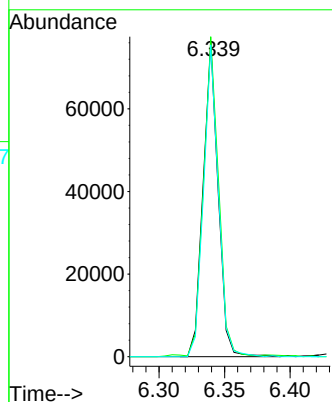
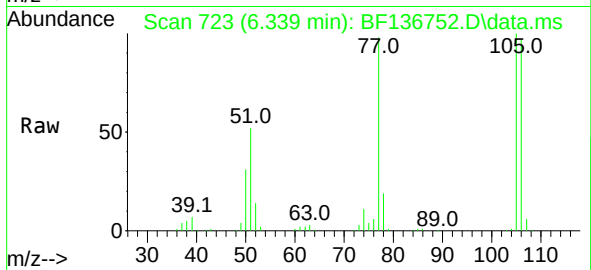
#9  
Benzaldehyde  
Concen: 13.883 ng  
RT: 6.339 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS

Tgt Ion: 77 Resp: 6082  
Ion Ratio Lower Upper  
77 100  
105 101.7 84.8 124.8  
106 99.1 77.8 117.8

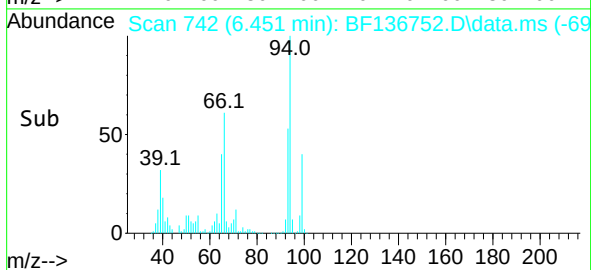
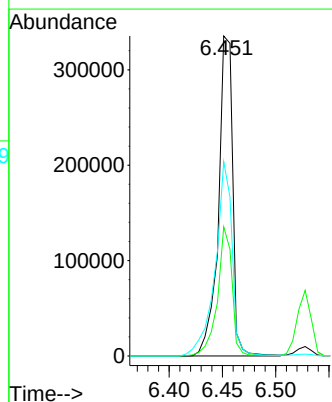
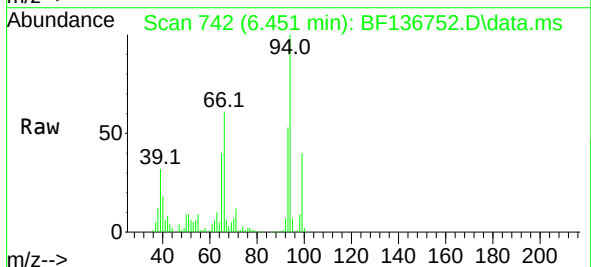
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

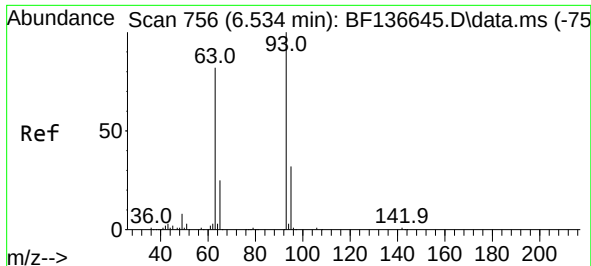


#10  
Phenol  
Concen: 38.054 ng  
RT: 6.451 min Scan# 742  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion: 94 Resp: 312895  
Ion Ratio Lower Upper  
94 100  
65 40.3 16.6 56.6  
66 60.7 32.6 72.6







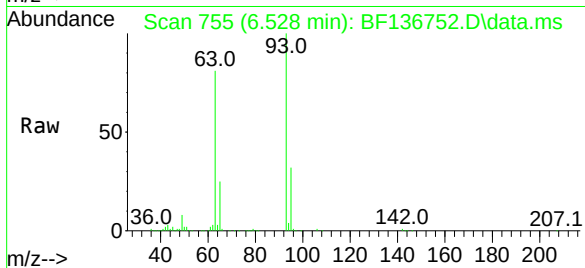
#11  
bis(2-Chloroethyl)ether  
Concen: 40.827 ng  
RT: 6.528 min Scan# 711  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

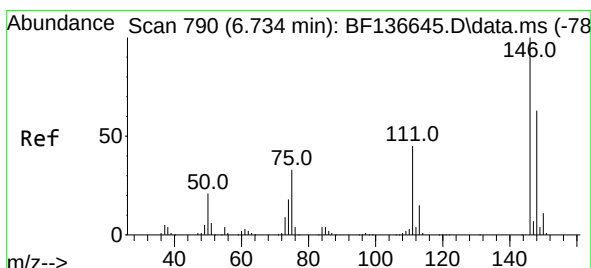
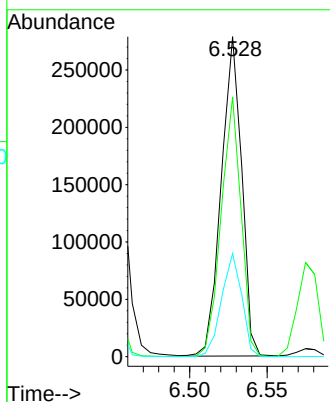
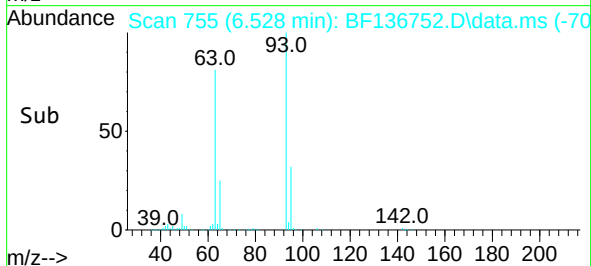
PB157937BS



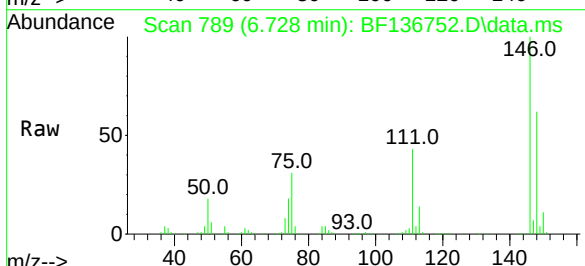
Tgt Ion: 93 Resp: 255294  
Ion Ratio Lower Upper  
93 100  
63 81.2 61.2 101.2  
95 32.2 11.6 51.6

Manual Integrations  
APPROVED

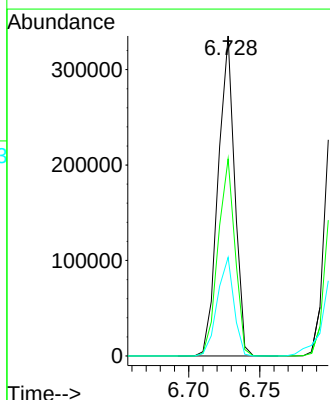
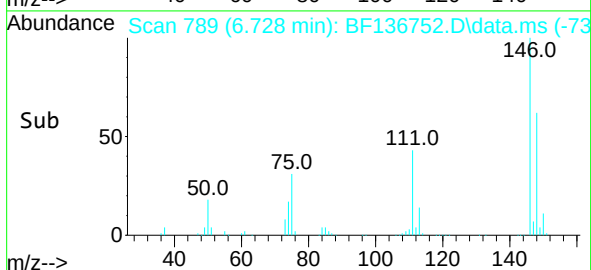
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

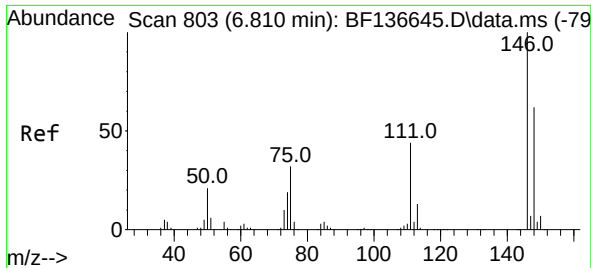


#12  
1,3-Dichlorobenzene  
Concen: 38.238 ng  
RT: 6.728 min Scan# 789  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:146 Resp: 271347  
Ion Ratio Lower Upper  
146 100  
148 61.6 50.5 75.7  
75 30.8 26.2 39.4





#13  
1,4-Dichlorobenzene  
Concen: 38.609 ng  
RT: 6.804 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

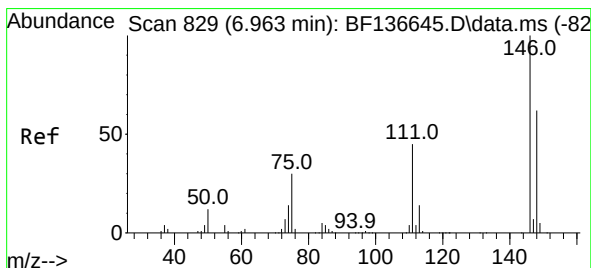
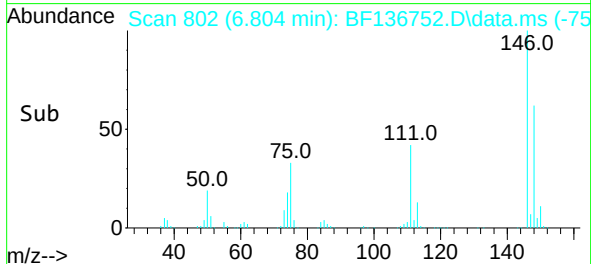
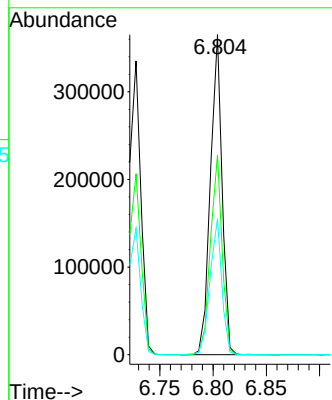
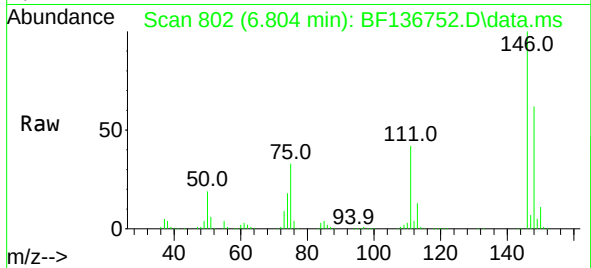
PB157937BS

Tgt Ion:146 Resp: 279949  
Ion Ratio Lower Upper  
146 100  
148 62.4 49.2 73.8  
111 42.5 35.2 52.8

Manual Integrations

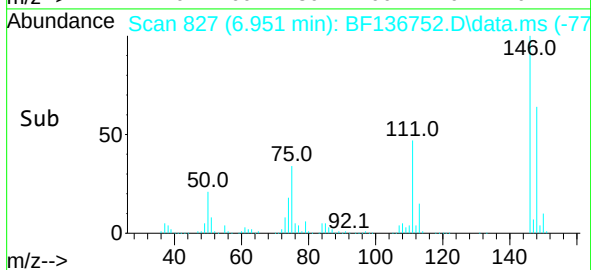
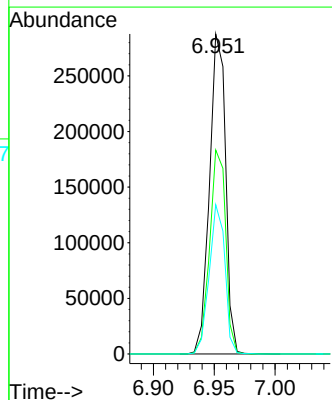
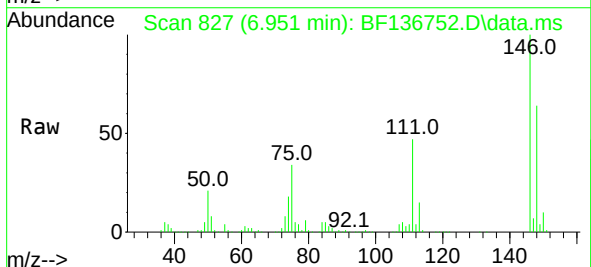
APPROVED

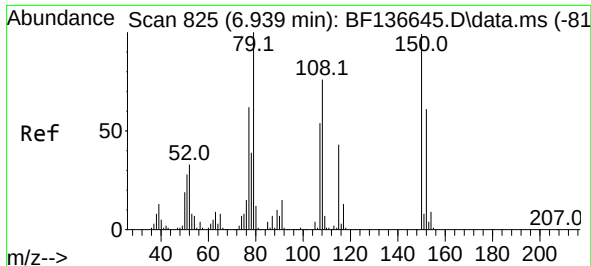
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#14  
1,2-Dichlorobenzene  
Concen: 39.342 ng  
RT: 6.951 min Scan# 827  
Delta R.T. -0.012 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

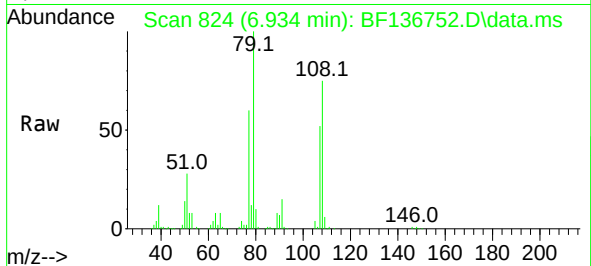
Tgt Ion:146 Resp: 265441  
Ion Ratio Lower Upper  
146 100  
148 63.8 49.6 74.4  
111 46.6 36.2 54.2





#15  
Benzyl Alcohol  
Concen: 41.986 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

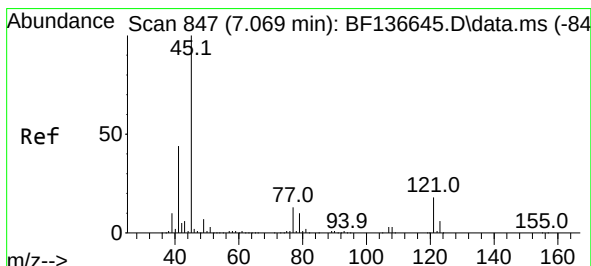
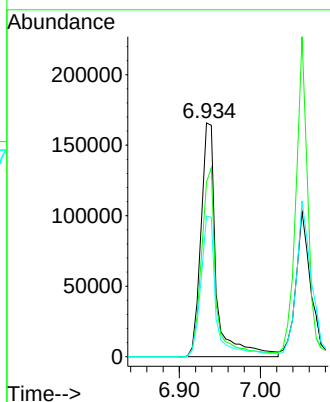
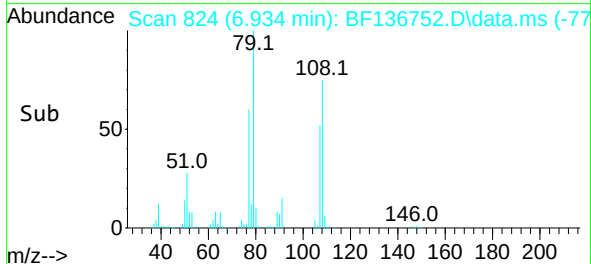
Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS



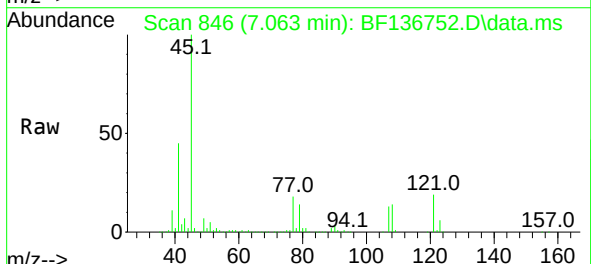
Tgt Ion: 79 Resp: 218172  
Ion Ratio Lower Upper  
79 100  
108 74.7 61.0 91.6  
77 60.2 49.8 74.8

Manual Integrations  
APPROVED

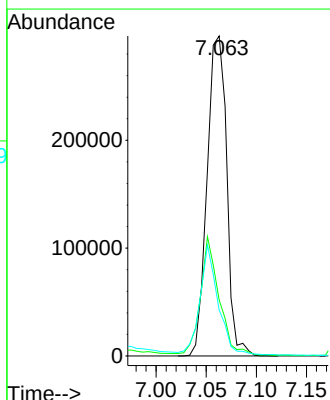
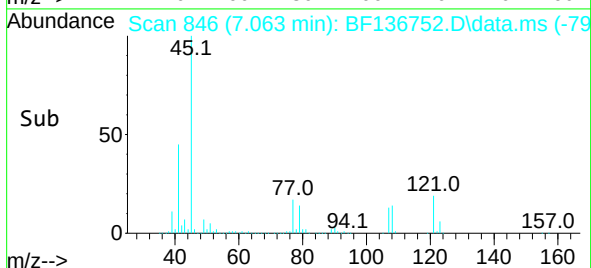
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

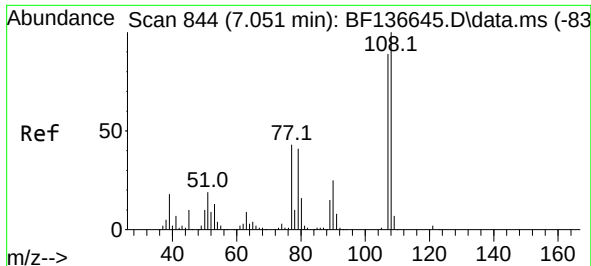


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.574 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion: 45 Resp: 404570  
Ion Ratio Lower Upper  
45 100  
77 17.5 0.0 34.3  
79 14.4 0.0 31.4





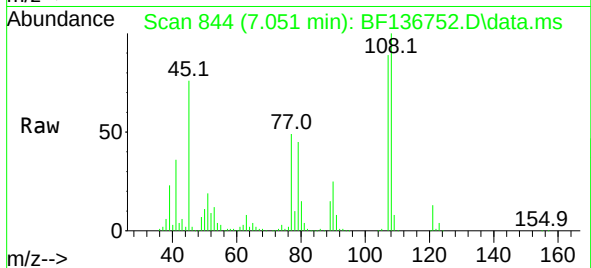
#17  
2-Methylphenol  
Concen: 38.456 ng  
RT: 7.051 min Scan# 844  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

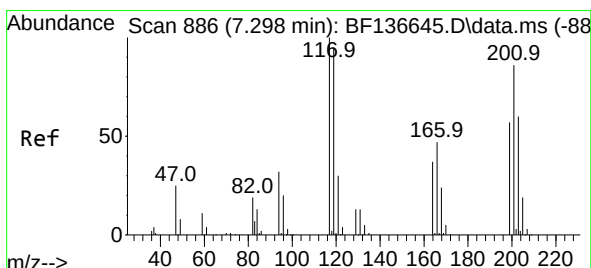
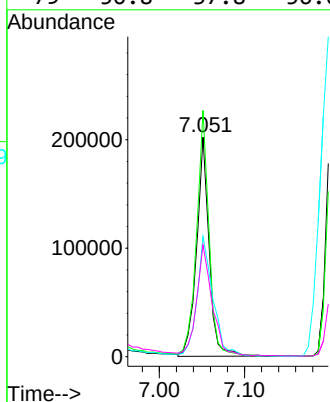
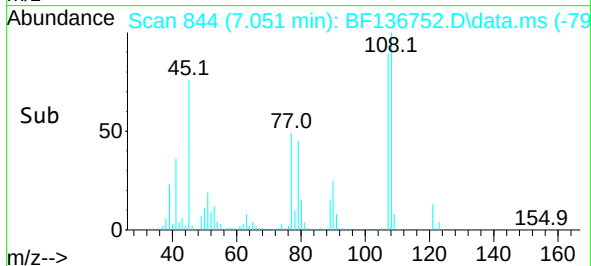


Tgt Ion:107 Resp: 207240  
Ion Ratio Lower Upper  
107 100  
108 112.2 90.3 135.5  
77 54.6 38.7 58.1  
79 50.8 37.8 56.6

Manual Integrations

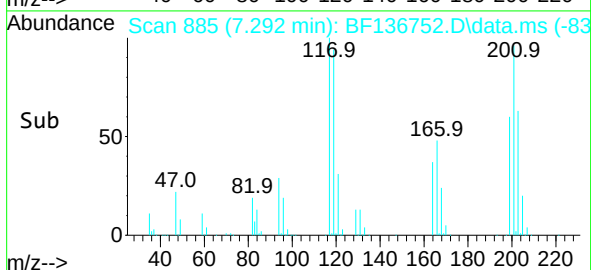
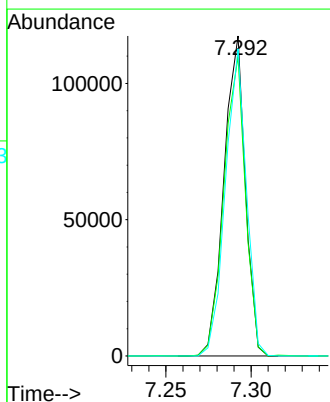
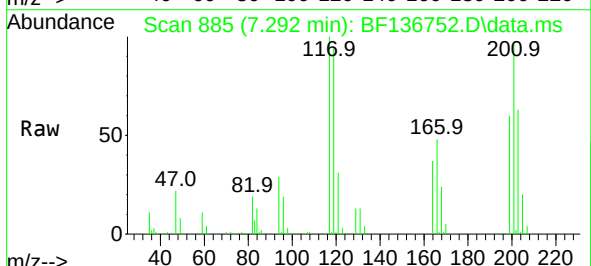
APPROVED

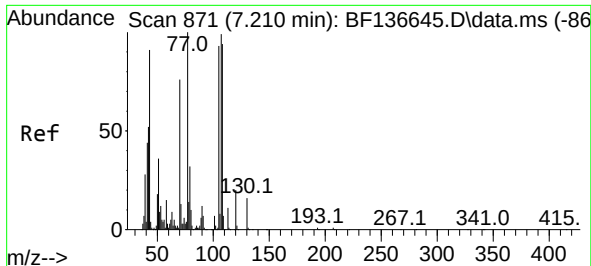
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#18  
Hexachloroethane  
Concen: 38.809 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:117 Resp: 102195  
Ion Ratio Lower Upper  
117 100  
119 93.6 75.8 113.6  
201 96.0 69.1 103.7





#19

n-Nitroso-di-n-propylamine

Concen: 38.859 ng

RT: 7.204 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF136752.D

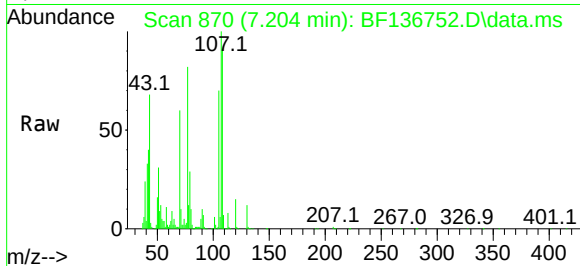
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS



Tgt Ion: 70 Resp: 181430

Ion Ratio Lower Upper

70 100

42 67.4 54.2 81.4

101 9.4 7.6 11.4

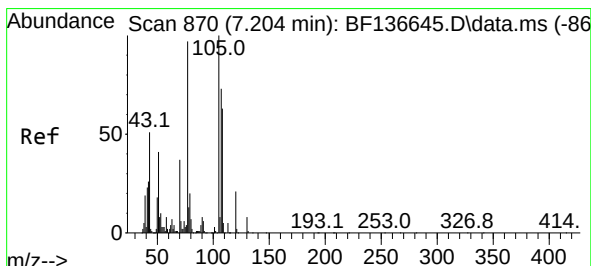
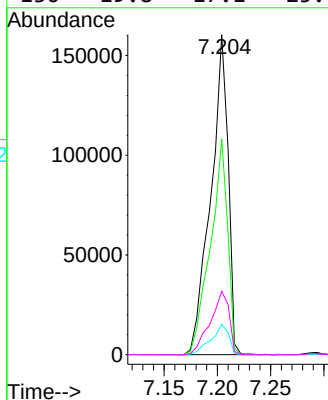
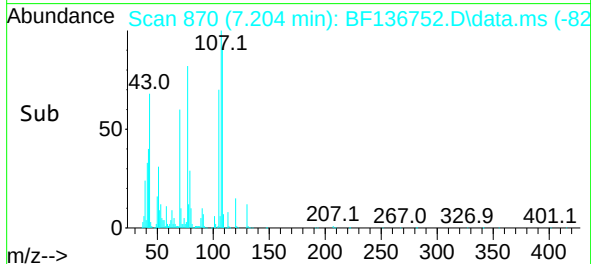
130 19.8 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#20

3+4-Methylphenols

Concen: 36.922 ng

RT: 7.204 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Tgt Ion:107 Resp: 248575

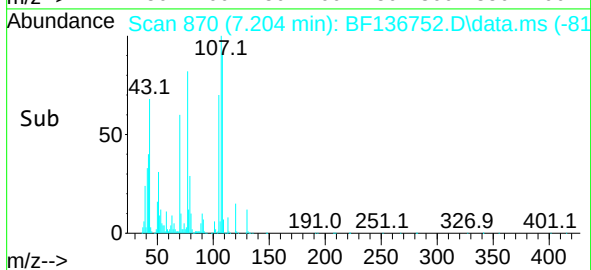
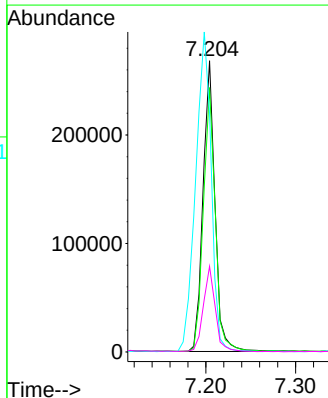
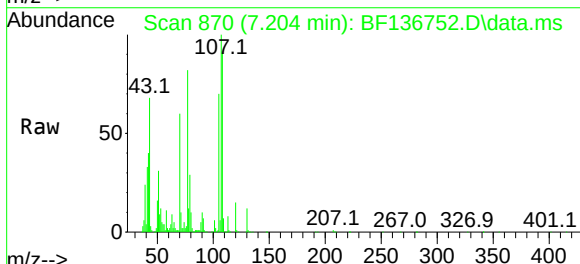
Ion Ratio Lower Upper

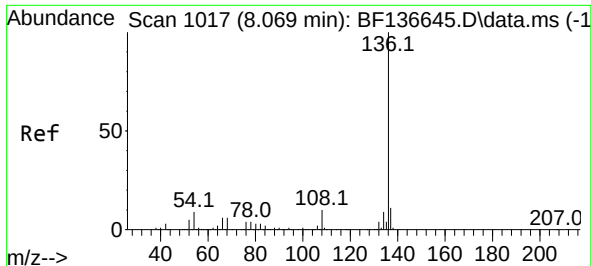
107 100

108 90.8 66.0 106.0

77 81.9 114.2 154.2#

79 29.4 7.2 47.2





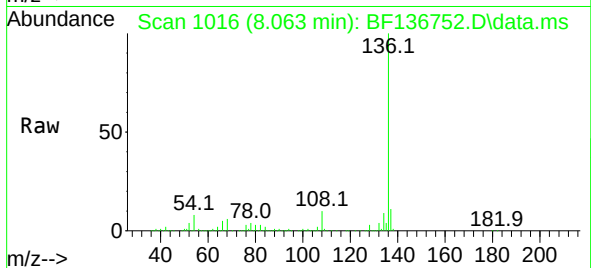
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

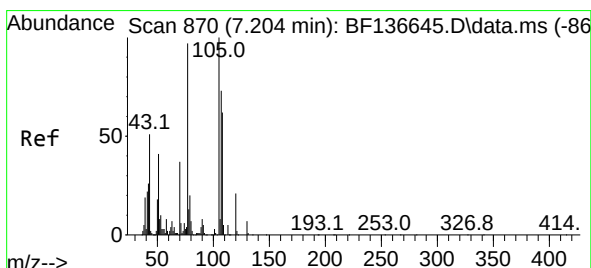
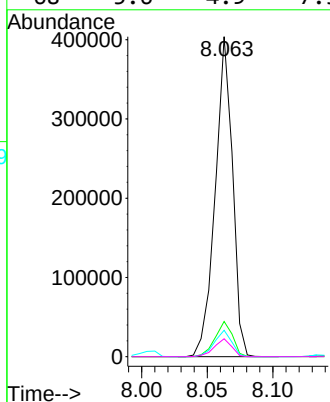
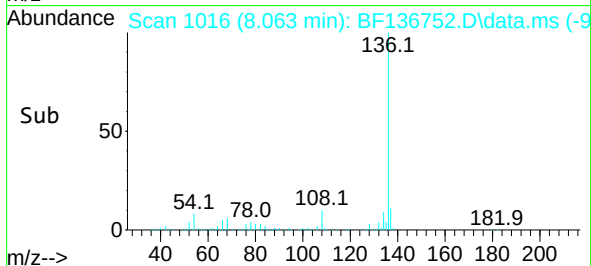


Tgt Ion:136 Resp: 370045  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.4  
54 8.2 7.2 10.8  
68 5.6 4.9 7.3

Manual Integrations

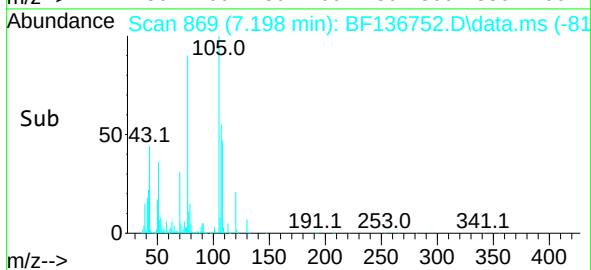
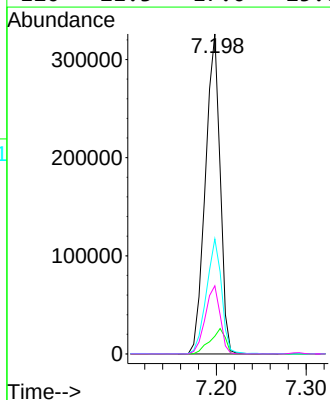
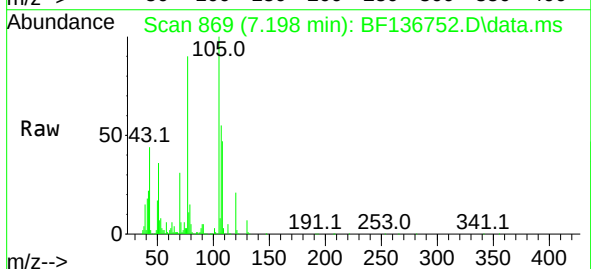
APPROVED

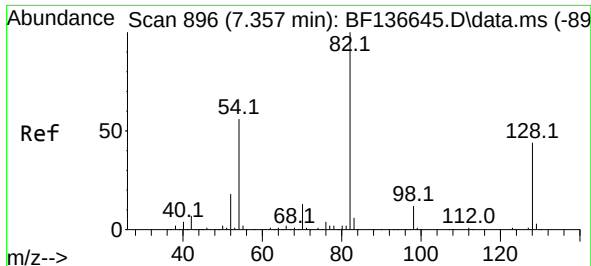
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#22  
Acetophenone  
Concen: 40.162 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:105 Resp: 372507  
Ion Ratio Lower Upper  
105 100  
71 5.5 4.8 7.2  
51 36.0 32.8 49.2  
120 21.3 17.0 25.6





#23

Nitrobenzene-d5

Concen: 73.807 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

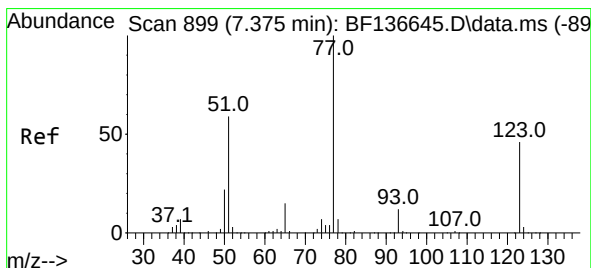
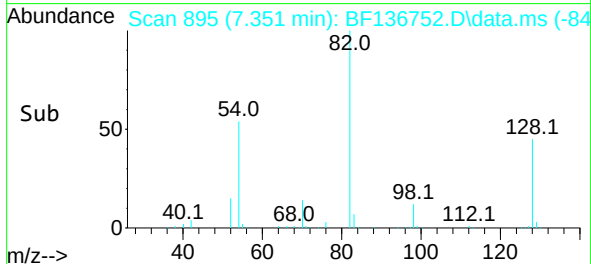
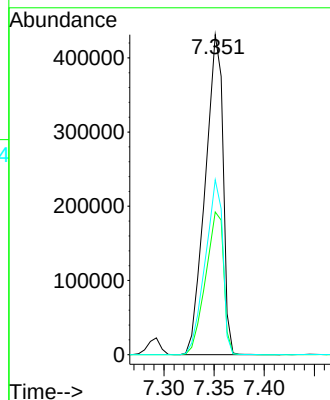
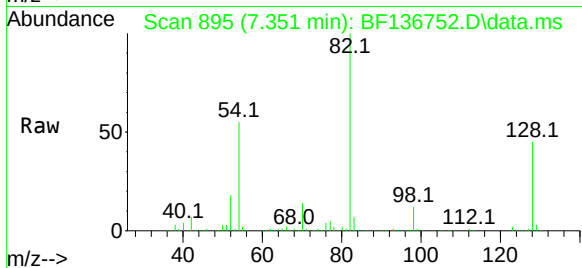
PB157937BS

Tgt Ion: 82 Resp: 533739  
 Ion Ratio Lower Upper  
 82 100  
 128 44.6 35.3 52.9  
 54 54.7 44.5 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023  
 Supervised By :mohammad ahmed 12/28/2023



#24

Nitrobenzene

Concen: 38.203 ng

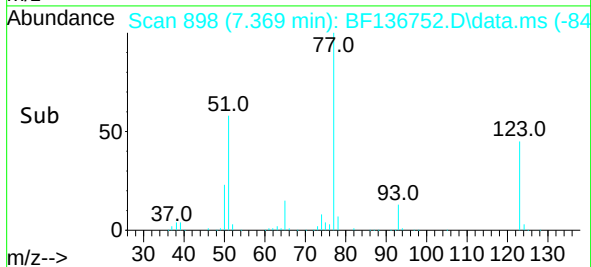
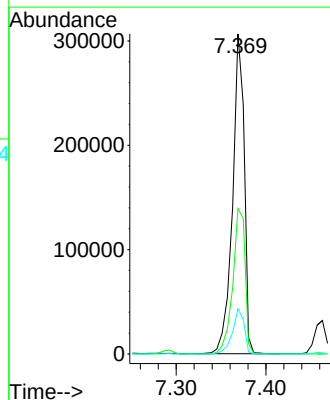
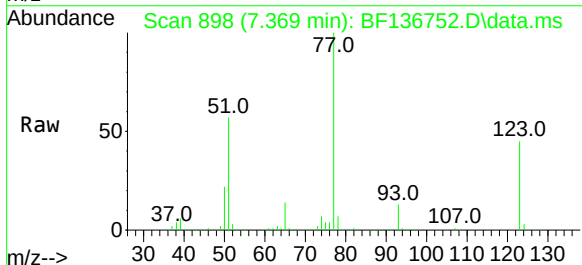
RT: 7.369 min Scan# 898

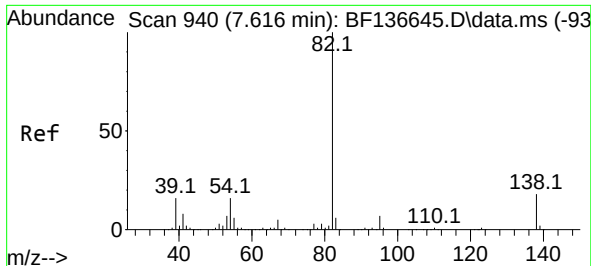
Delta R.T. -0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Tgt Ion: 77 Resp: 276744  
 Ion Ratio Lower Upper  
 77 100  
 123 45.4 36.7 55.1  
 65 14.1 11.8 17.6





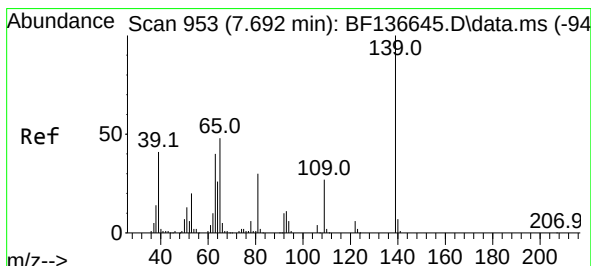
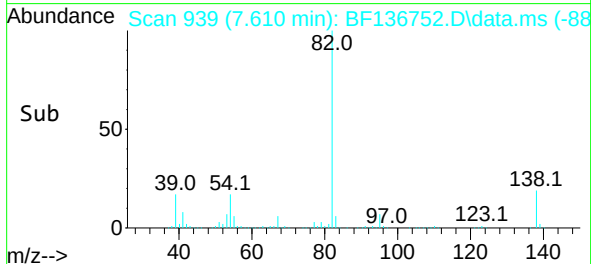
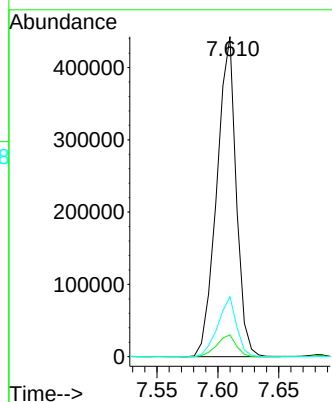
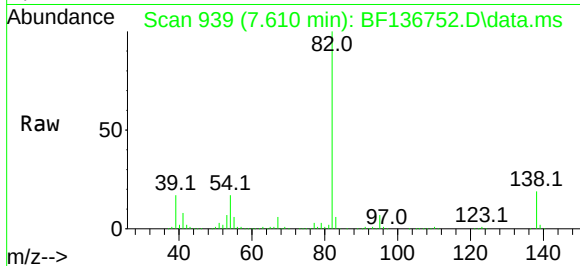
#25  
Isophorone  
Concen: 37.406 ng  
RT: 7.610 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS

Tgt Ion: 82 Resp: 492209  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.5 8.3  
138 18.8 14.5 21.7

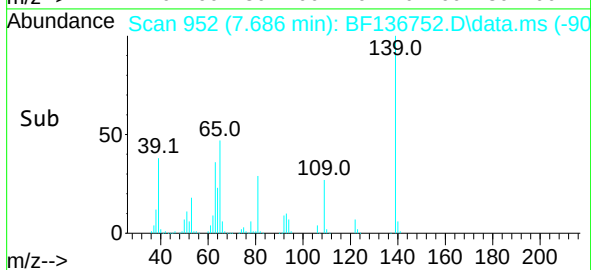
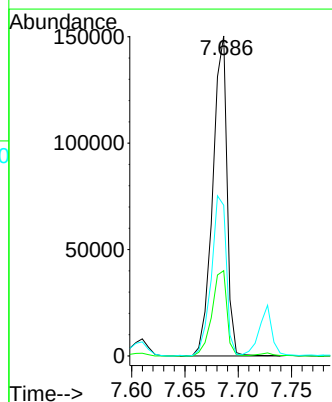
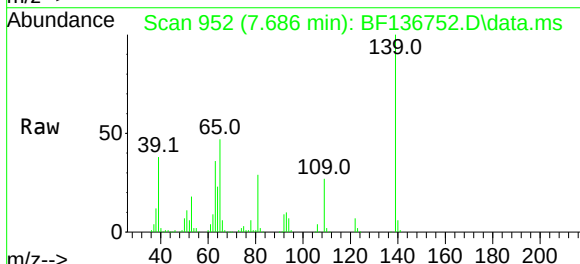
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

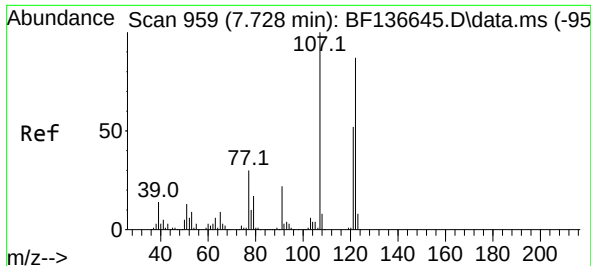


#26  
2-Nitrophenol  
Concen: 40.590 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:139 Resp: 140679  
Ion Ratio Lower Upper  
139 100  
109 26.6 21.9 32.9  
65 47.1 38.6 58.0







#27

2,4-Dimethylphenol

Concen: 48.456 ng

RT: 7.728 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF136752.D

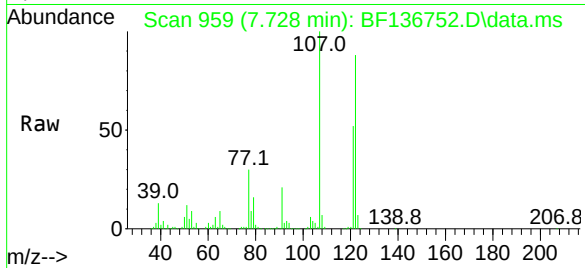
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS



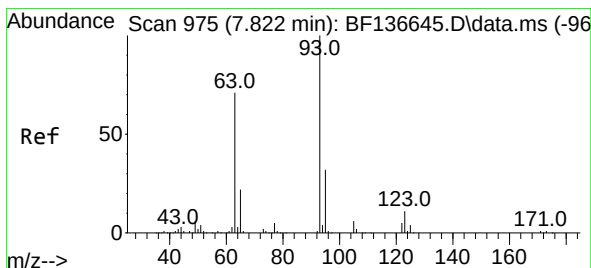
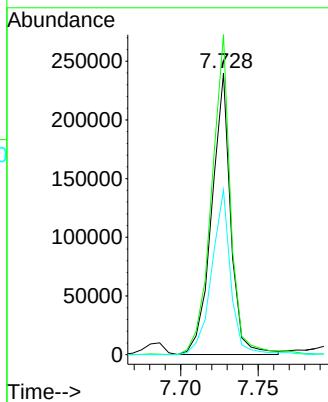
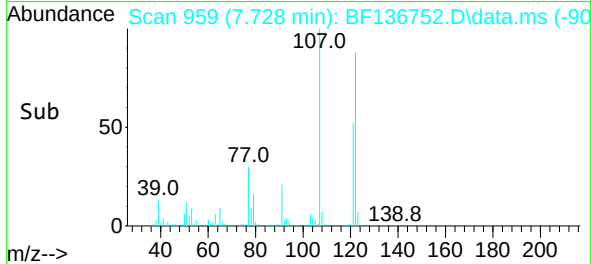
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 204462 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 113.7 | 92.0  | 138.0  |
| 121       | 58.6  | 47.5  | 71.3   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#28

bis(2-Chloroethoxy)methane

Concen: 37.854 ng

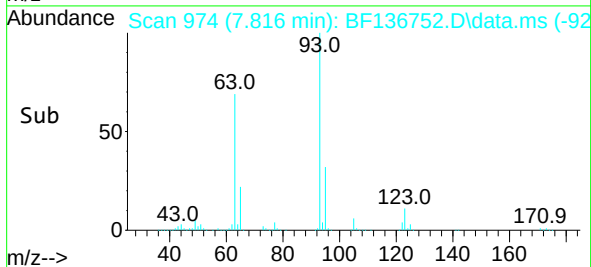
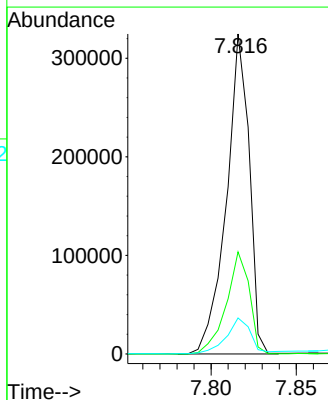
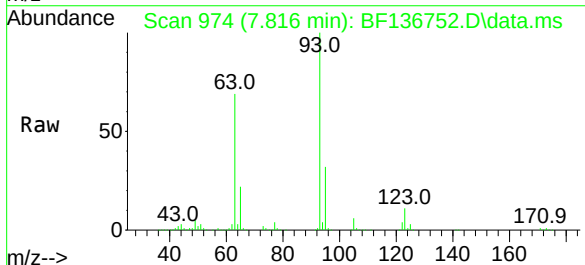
RT: 7.816 min Scan# 974

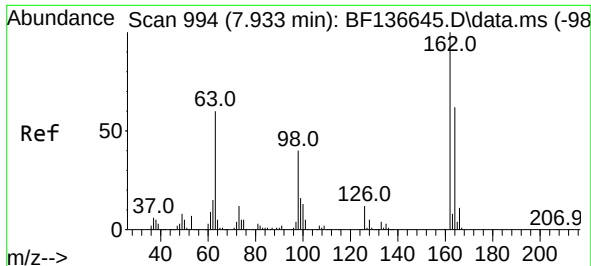
Delta R.T. -0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 302769 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 31.9  | 25.5  | 38.3   |
| 123       | 11.3  | 9.2   | 13.8   |





#29

2,4-Dichlorophenol

Concen: 37.374 ng

RT: 7.928 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF136752.D

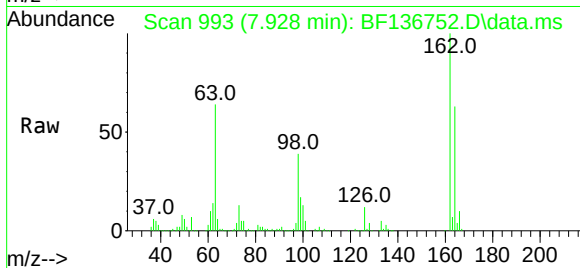
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS



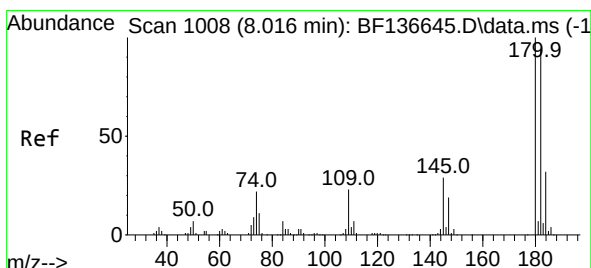
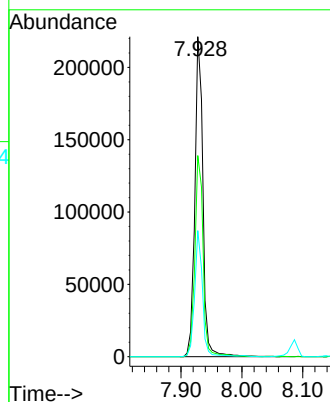
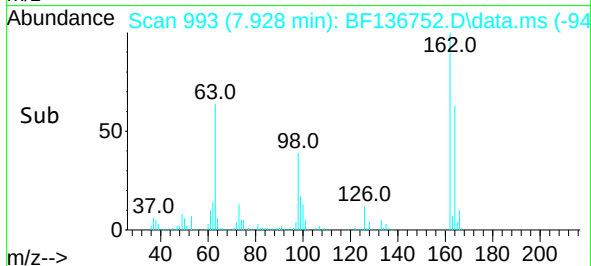
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 203024 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 62.8  | 41.7  | 81.7   |
| 98        | 39.4  | 19.5  | 59.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#30

1,2,4-Trichlorobenzene

Concen: 38.543 ng

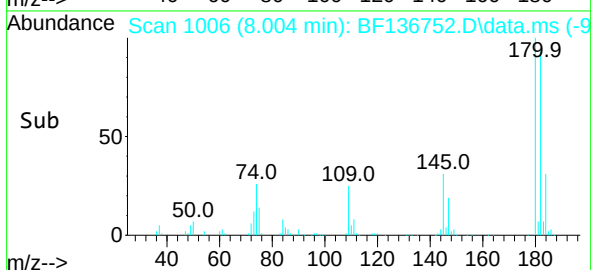
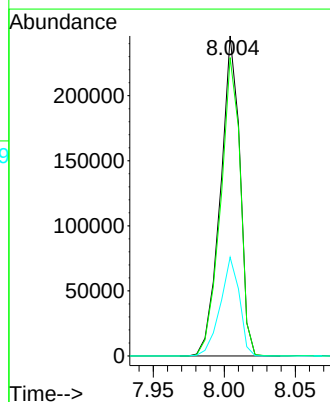
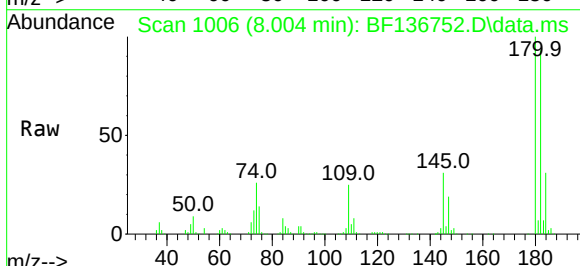
RT: 8.004 min Scan# 1006

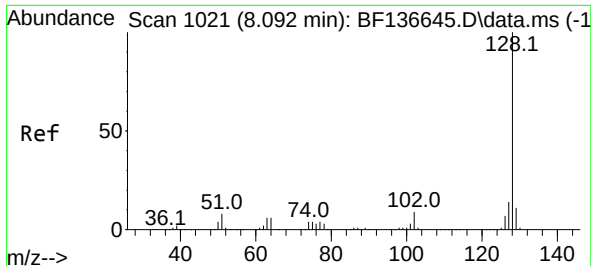
Delta R.T. -0.012 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 233285 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.2  | 75.4  | 113.0  |
| 145       | 30.9  | 23.1  | 34.7   |





#31  
Naphthalene  
Concen: 38.181 ng  
RT: 8.086 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

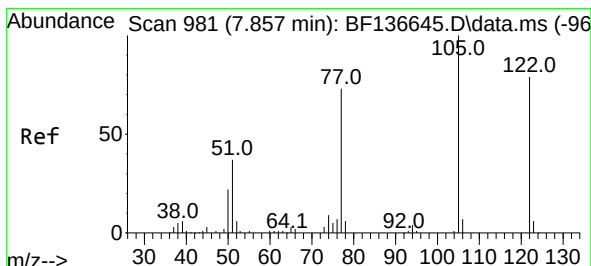
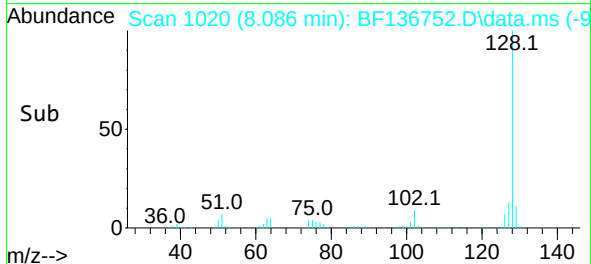
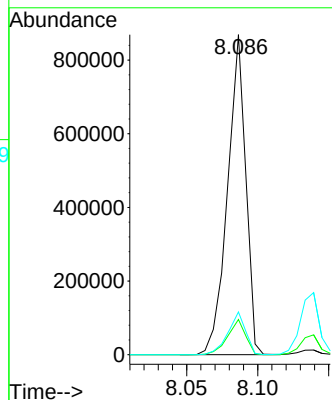
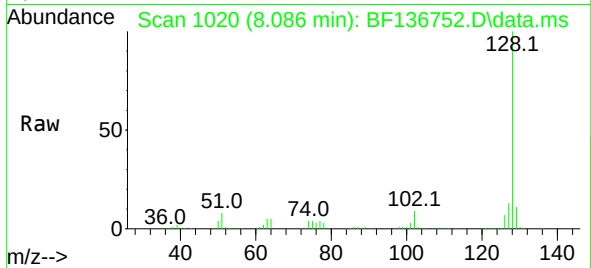
PB157937BS

Tgt Ion:128 Resp: 776183  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.7 13.1  
127 13.3 10.8 16.2

Manual Integrations

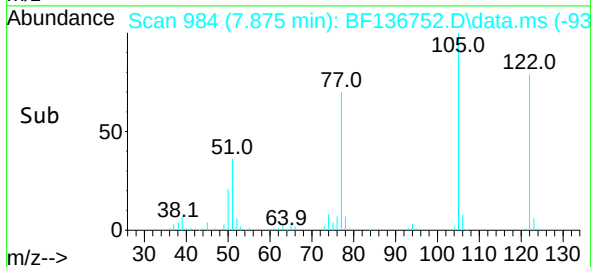
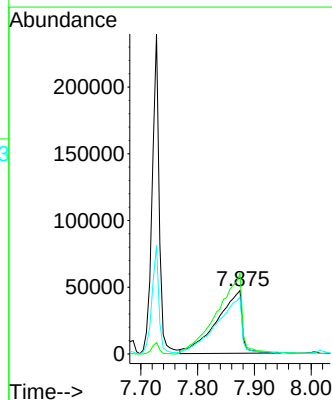
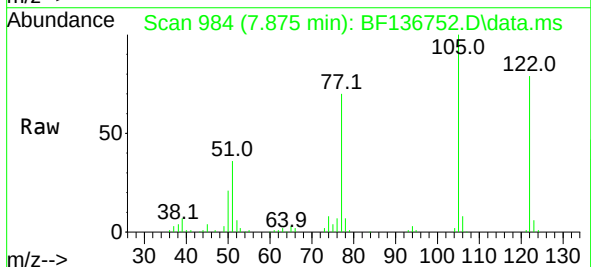
APPROVED

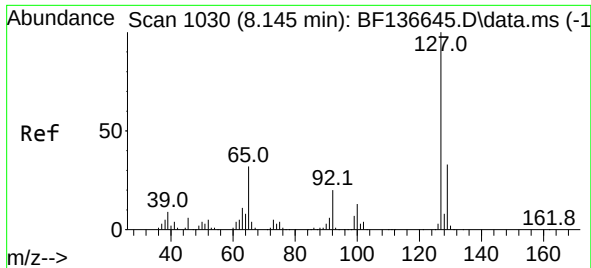
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#32  
Benzoic acid  
Concen: 35.696 ng  
RT: 7.875 min Scan# 984  
Delta R.T. 0.018 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:122 Resp: 145736  
Ion Ratio Lower Upper  
122 100  
105 126.9 100.8 140.8  
77 89.5 70.9 110.9





#33  
4-Chloroaniline  
Concen: 21.822 ng  
RT: 8.139 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

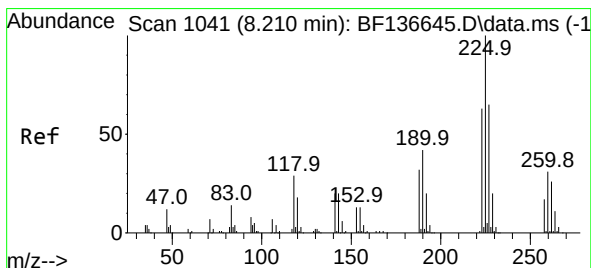
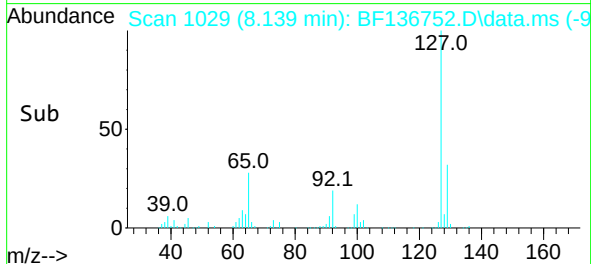
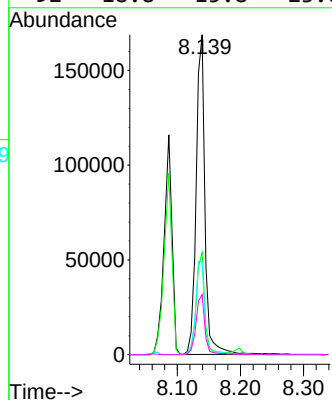
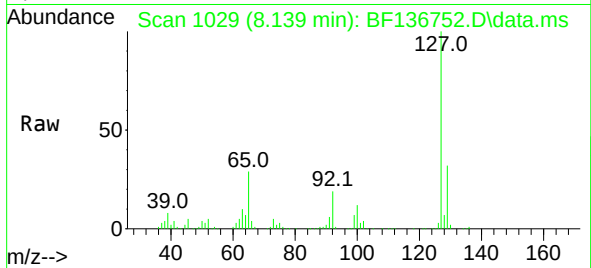
PB157937BS

Tgt Ion:127 Resp: 16379  
Ion Ratio Lower Upper  
127 100  
129 31.9 26.3 39.5  
65 29.1 25.8 38.8  
92 18.8 15.8 23.6

Manual Integrations

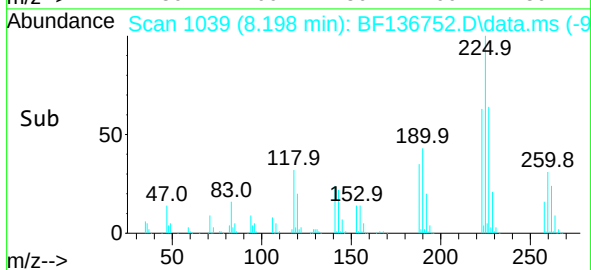
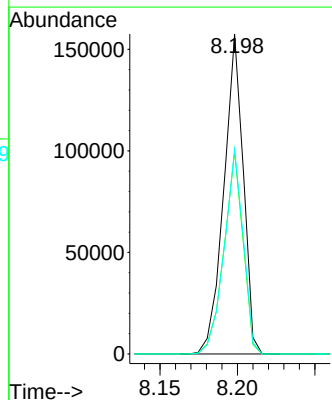
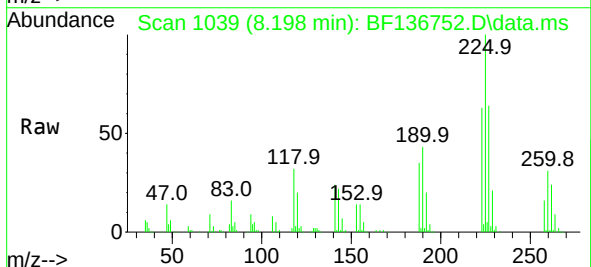
APPROVED

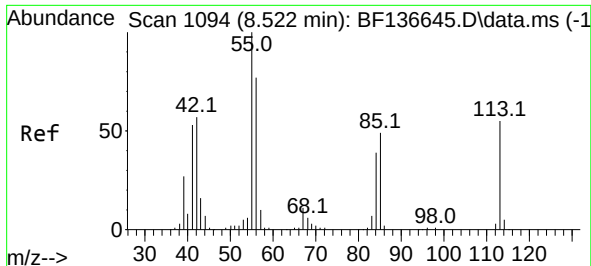
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#34  
Hexachlorobutadiene  
Concen: 37.236 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:225 Resp: 136928  
Ion Ratio Lower Upper  
225 100  
223 63.2 50.6 76.0  
227 64.0 51.9 77.9





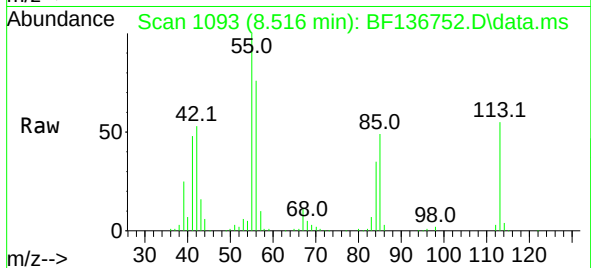
#35  
Caprolactam  
Concen: 35.466 ng m  
RT: 8.516 min Scan# 1093  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS



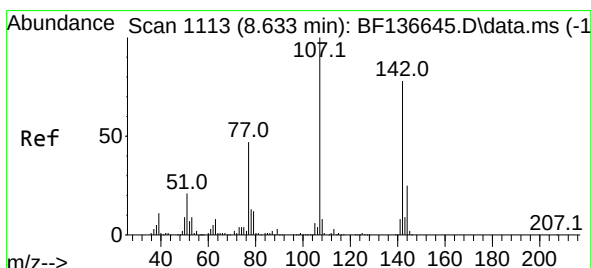
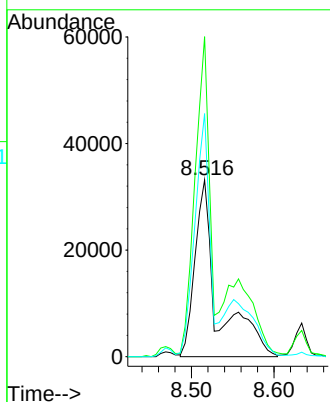
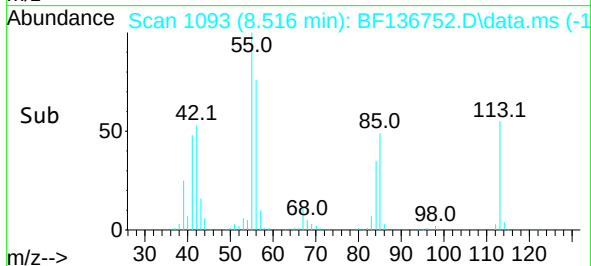
Tgt Ion:113 Resp: 6355  
Ion Ratio Lower Upper  
113 100  
55 180.9 163.1 203.1  
56 137.5 121.7 161.7

Manual Integrations

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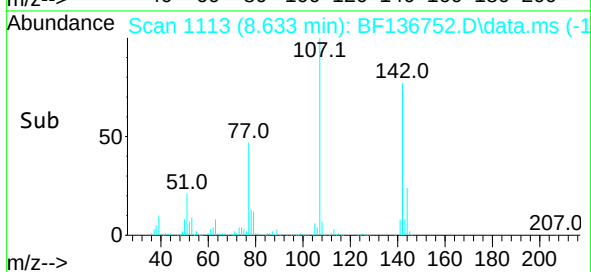
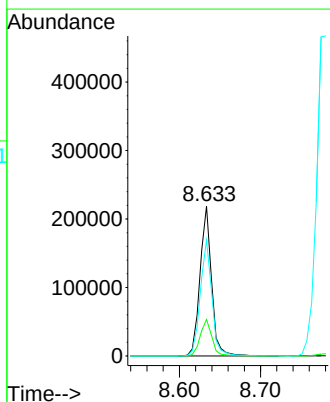
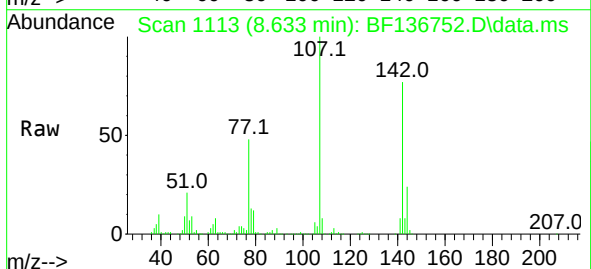
Reviewed By :Yogesh Patel 12/28/2023

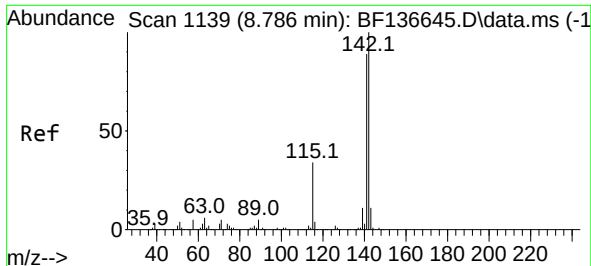
Supervised By :mohammad ahmed 12/28/2023



#36  
4-Chloro-3-methylphenol  
Concen: 35.438 ng  
RT: 8.633 min Scan# 1113  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:107 Resp: 216720  
Ion Ratio Lower Upper  
107 100  
144 24.3 20.2 30.2  
142 77.3 62.3 93.5





#37

2-Methylnaphthalene

Concen: 36.232 ng

RT: 8.780 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

Tgt Ion:142 Resp: 474034

Ion Ratio Lower Upper

142 100

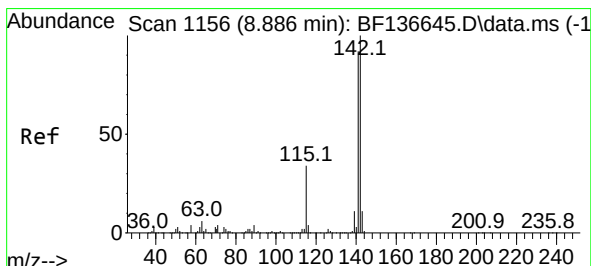
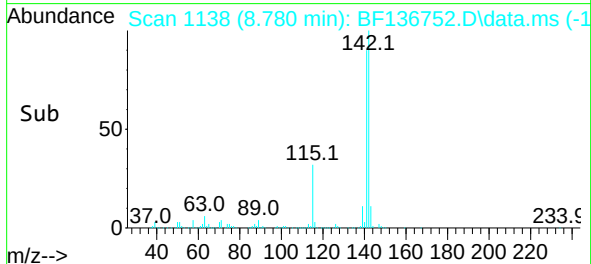
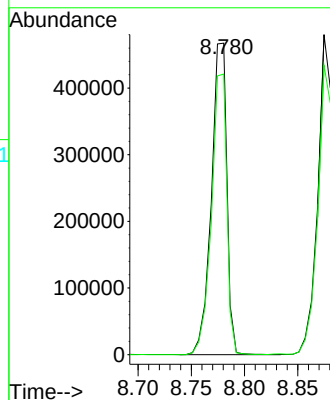
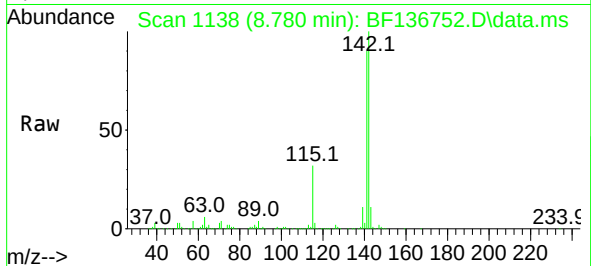
141 90.1 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#38

1-Methylnaphthalene

Concen: 34.966 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF136752.D

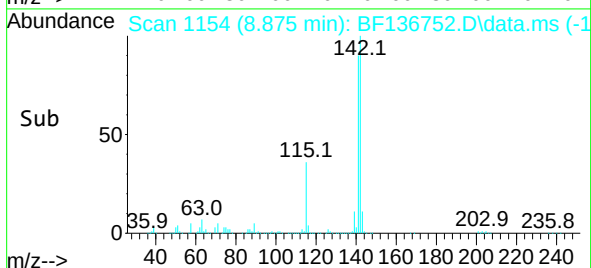
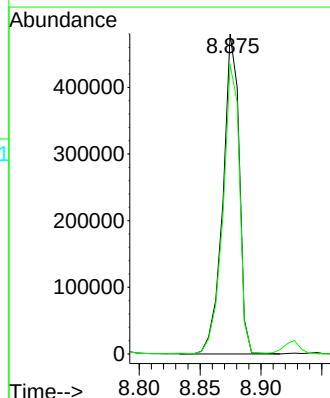
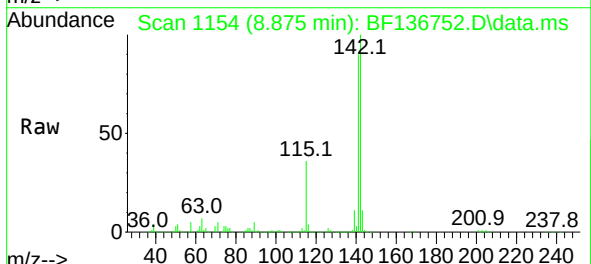
Acq: 27 Dec 2023 11:45

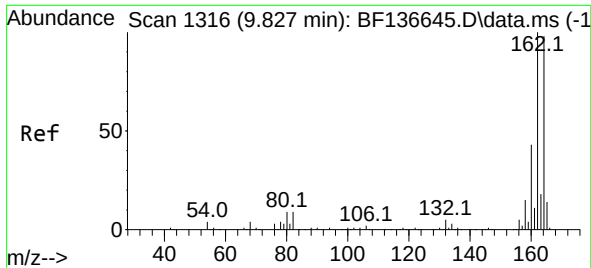
Tgt Ion:142 Resp: 448819

Ion Ratio Lower Upper

142 100

141 90.4 73.6 110.4





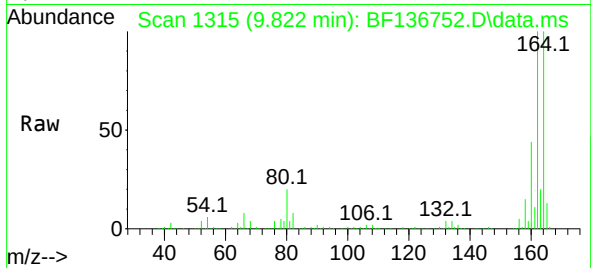
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

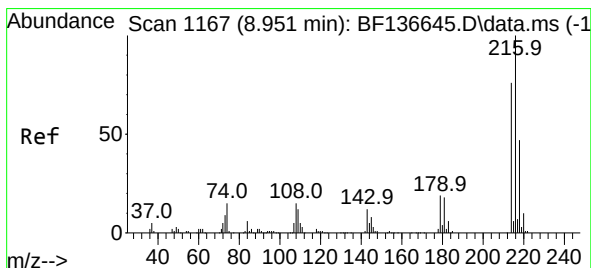
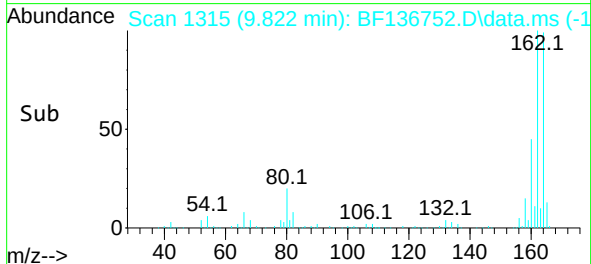
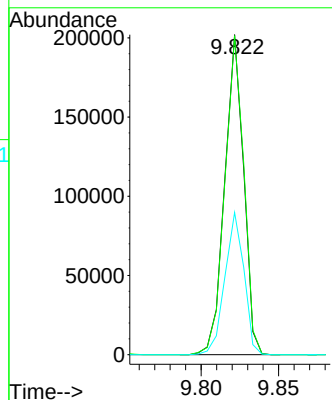


Tgt Ion:164 Resp: 171632  
Ion Ratio Lower Upper  
164 100  
162 99.7 81.6 122.4  
160 44.4 34.9 52.3

Manual Integrations

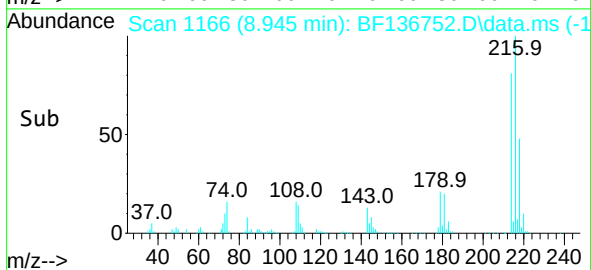
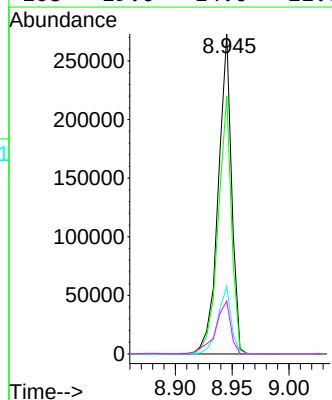
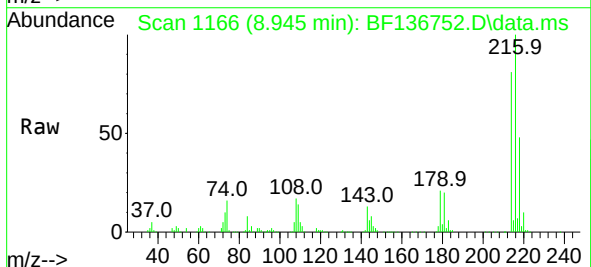
APPROVED

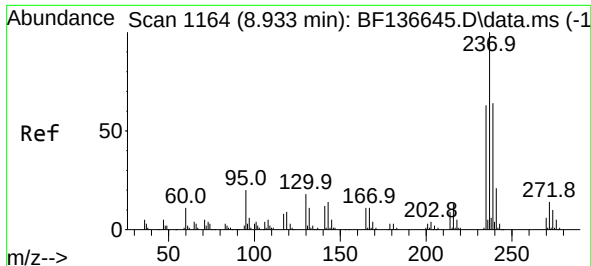
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.112 ng  
RT: 8.945 min Scan# 1166  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

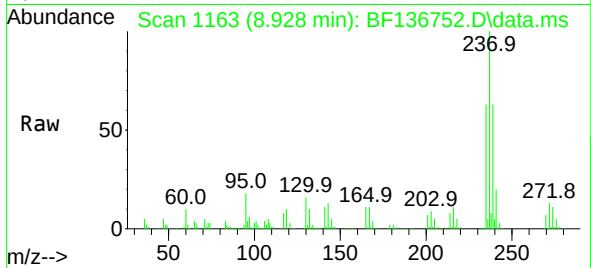
Tgt Ion:216 Resp: 223842  
Ion Ratio Lower Upper  
216 100  
214 79.8 62.3 93.5  
179 20.8 16.4 24.6  
108 19.0 14.0 21.0





#41  
Hexachlorocyclopentadiene  
Concen: 88.108 ng  
RT: 8.928 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

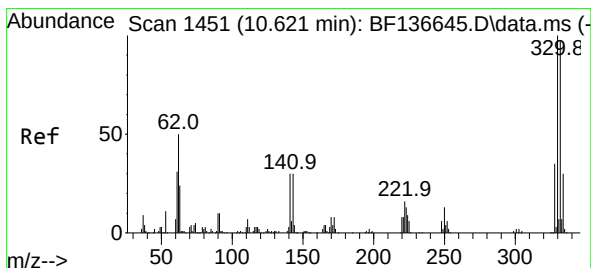
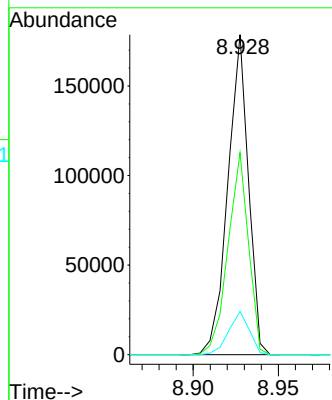
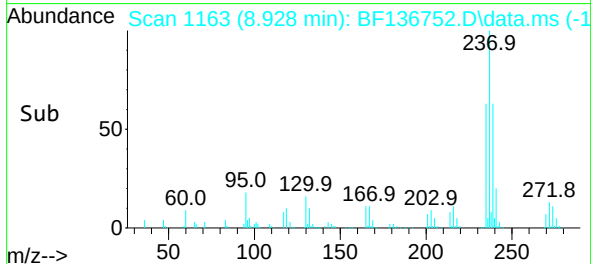
Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS



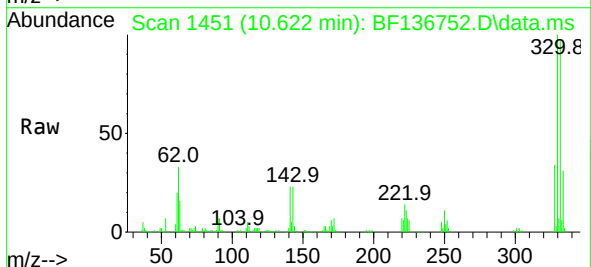
Tgt Ion:237 Resp: 150220  
Ion Ratio Lower Upper  
237 100  
235 63.1 43.2 83.2  
272 13.5 0.0 34.2

Manual Integrations  
APPROVED

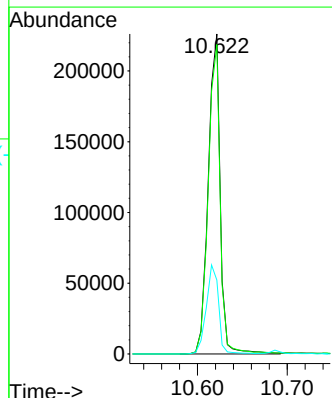
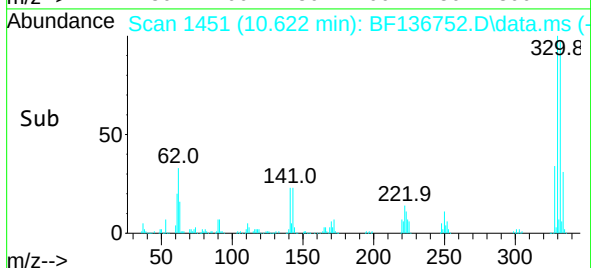
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



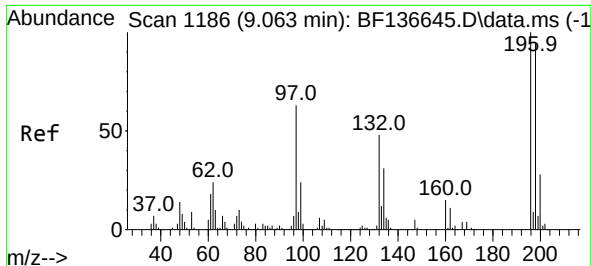
#42  
2,4,6-Tribromophenol  
Concen: 103.311 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:330 Resp: 208827  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.4 116.0  
141 28.8 23.4 35.2







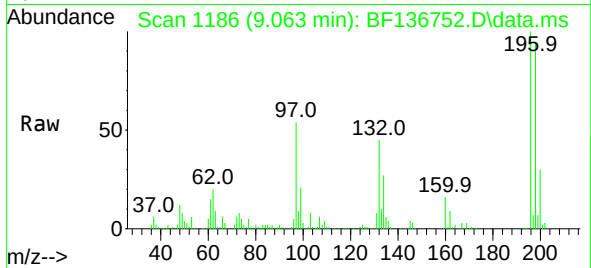
#43  
2,4,6-Trichlorophenol  
Concen: 41.259 ng  
RT: 9.063 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

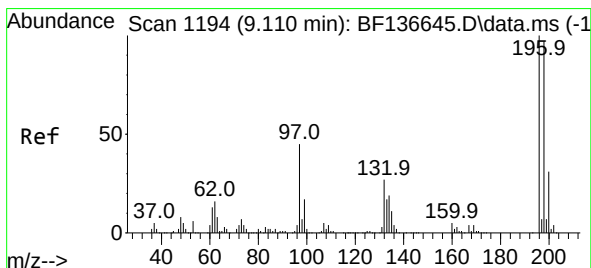
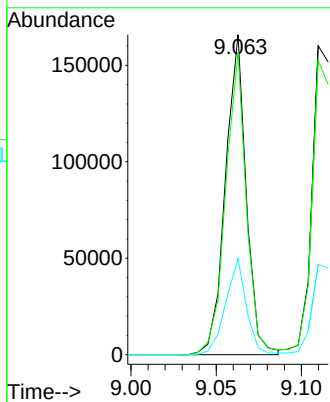
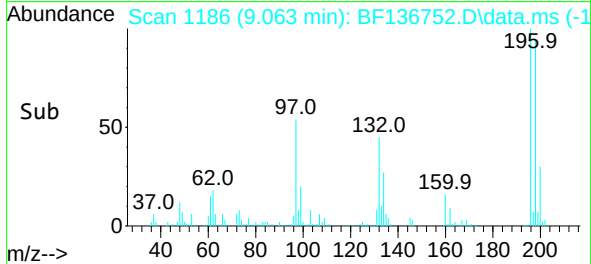


Tgt Ion:196 Resp: 14064  
Ion Ratio Lower Upper  
196 100  
198 94.4 75.1 112.7  
200 30.0 22.5 33.7

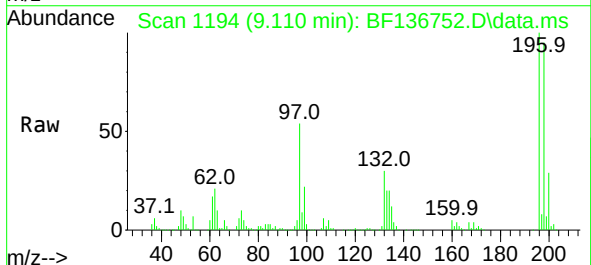
Manual Integrations

APPROVED

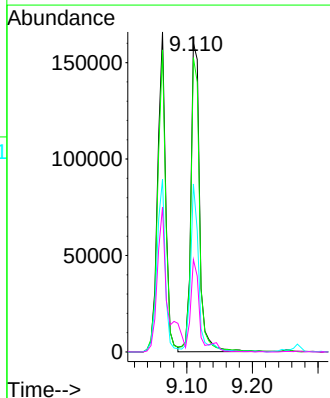
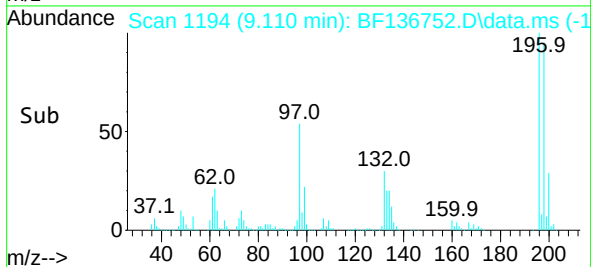
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

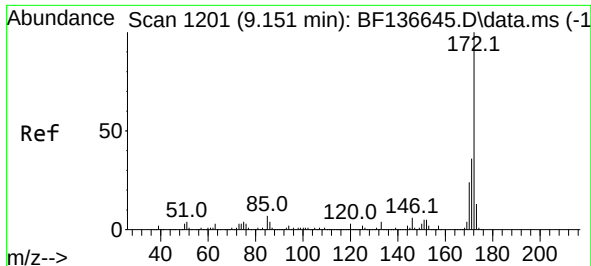


#44  
2,4,5-Trichlorophenol  
Concen: 39.209 ng  
RT: 9.110 min Scan# 1194  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:196 Resp: 148943  
Ion Ratio Lower Upper  
196 100  
198 95.2 77.0 115.6  
97 54.3 36.1 54.1#  
132 29.9 21.8 32.6





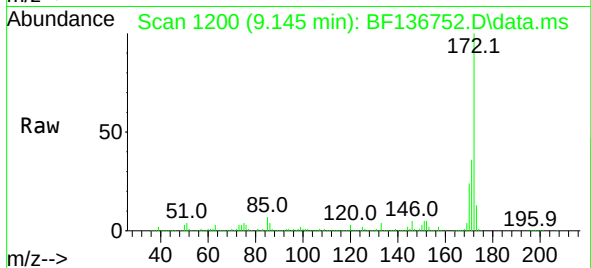
#45  
2-Fluorobiphenyl  
Concen: 74.852 ng  
RT: 9.145 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

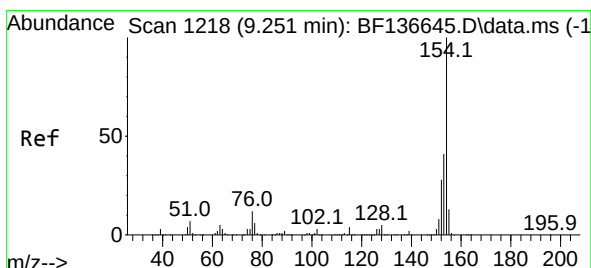
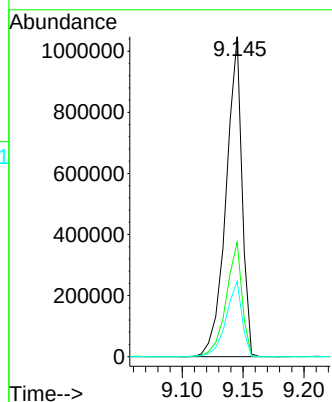
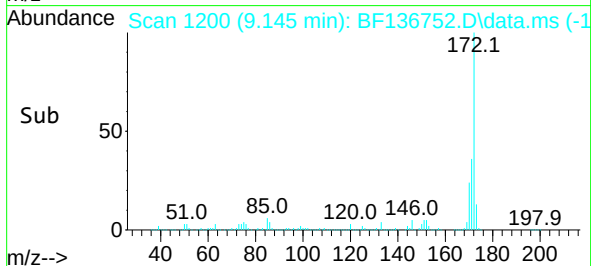


Tgt Ion:172 Resp: 95518  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.0 43.6  
170 23.5 19.0 28.4

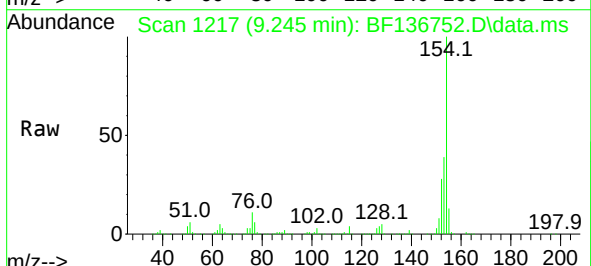
Manual Integrations

APPROVED

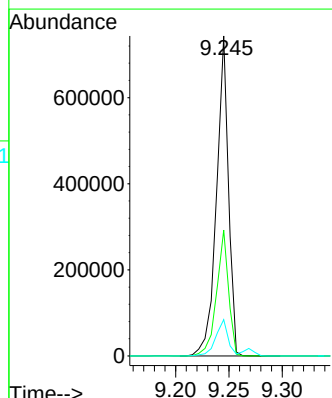
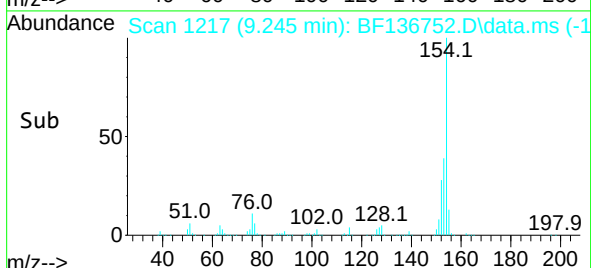
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

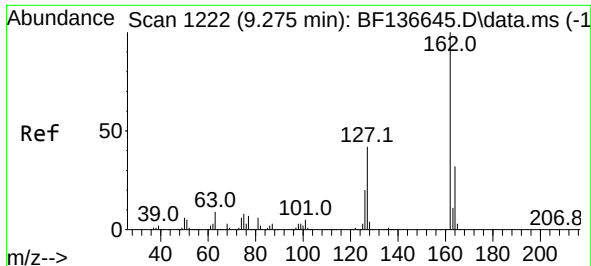


#46  
1,1'-Biphenyl  
Concen: 40.206 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:154 Resp: 579064  
Ion Ratio Lower Upper  
154 100  
153 39.4 21.1 61.1  
76 11.4 0.0 31.7





#47  
2-Chloronaphthalene  
Concen: 40.068 ng  
RT: 9.269 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

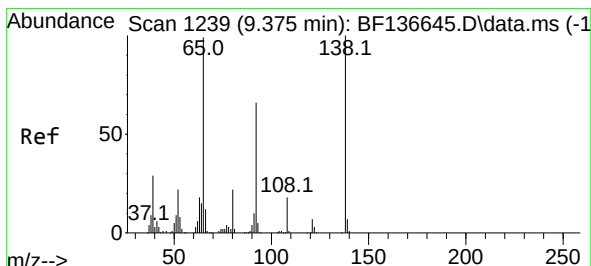
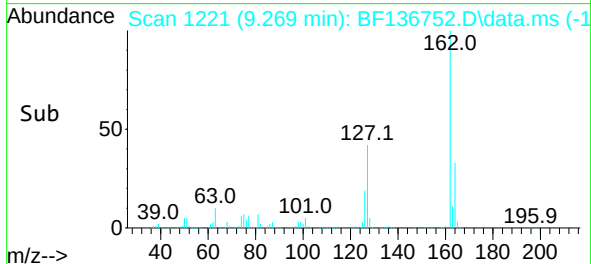
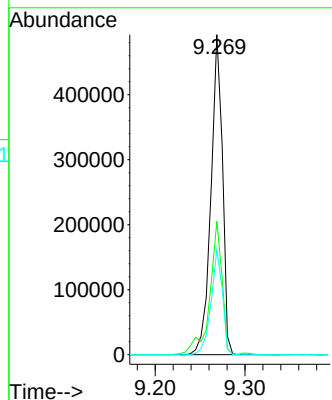
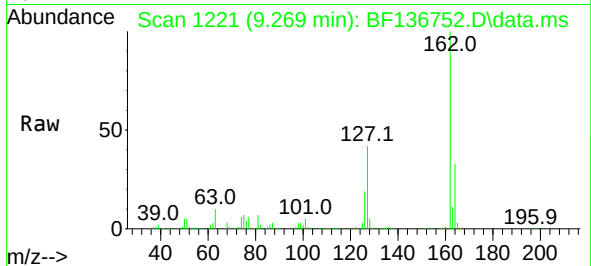
ClientSampleId :

PB157937BS

Tgt Ion:162 Resp: 438709  
Ion Ratio Lower Upper  
162 100  
127 41.7 33.6 50.4  
164 32.7 25.7 38.5

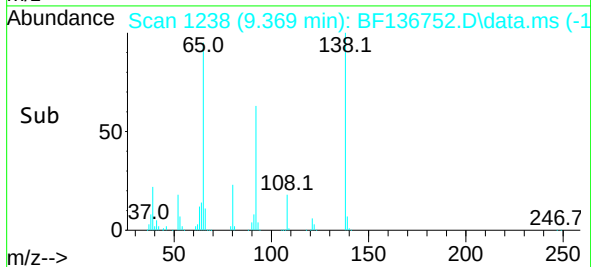
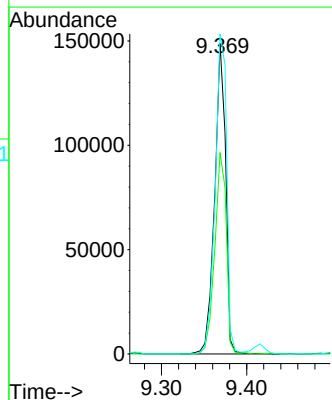
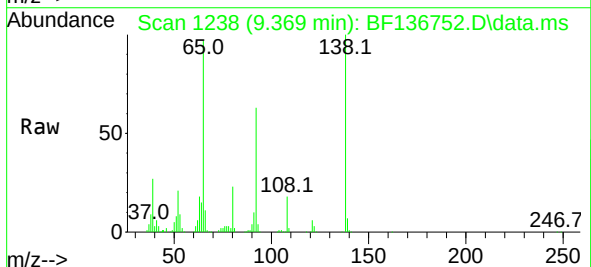
Manual Integrations  
APPROVED

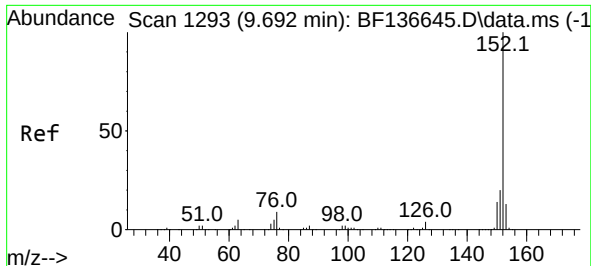
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#48  
2-Nitroaniline  
Concen: 38.998 ng  
RT: 9.369 min Scan# 1238  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion: 65 Resp: 133710  
Ion Ratio Lower Upper  
65 100  
92 64.9 53.2 79.8  
138 103.1 81.1 121.7





#49  
Acenaphthylene  
Concen: 41.034 ng  
RT: 9.686 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

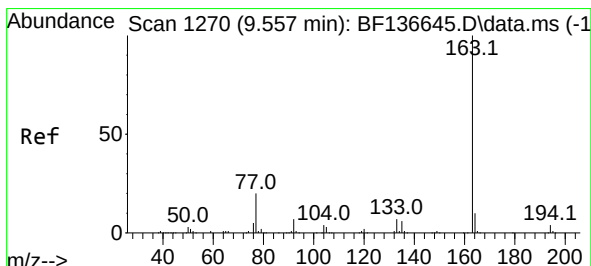
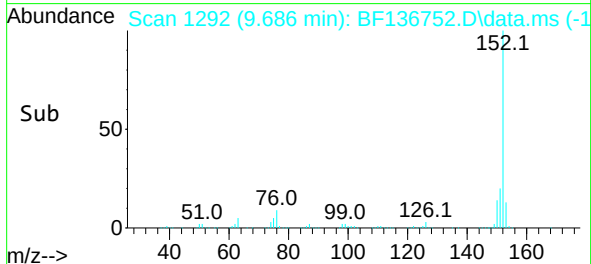
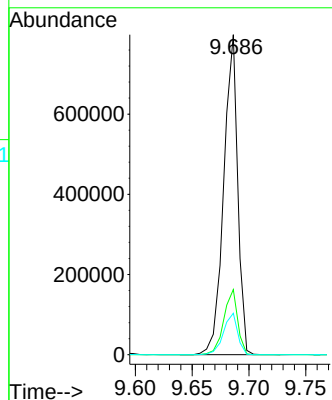
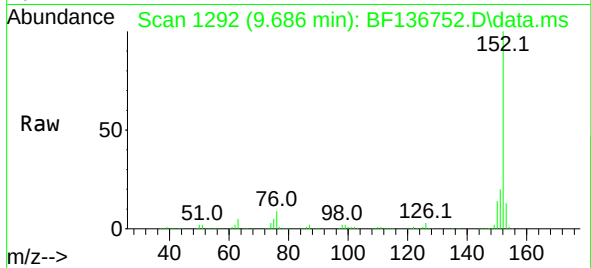
ClientSampleId :

PB157937BS

Tgt Ion:152 Resp: 68672  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.4  
153 12.9 10.2 15.2

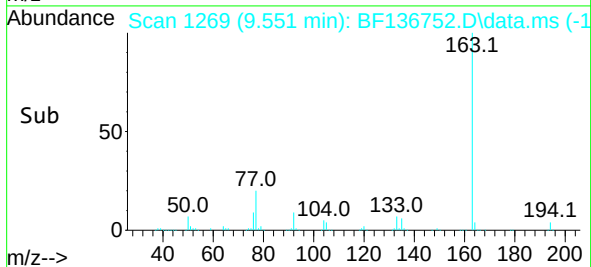
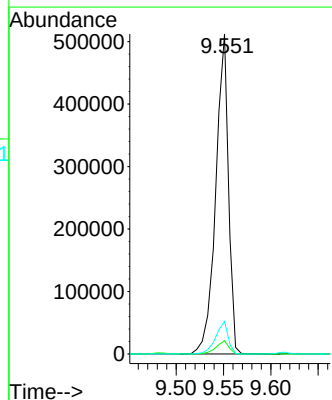
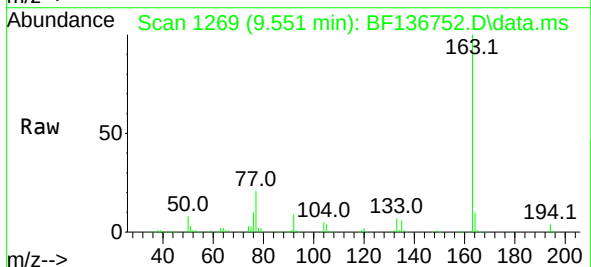
Manual Integrations  
APPROVED

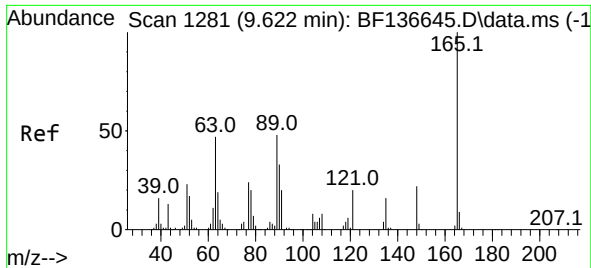
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#50  
Dimethylphthalate  
Concen: 38.229 ng  
RT: 9.551 min Scan# 1269  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:163 Resp: 479259  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.2 7.8 11.6





#51  
2,6-Dinitrotoluene  
Concen: 37.262 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

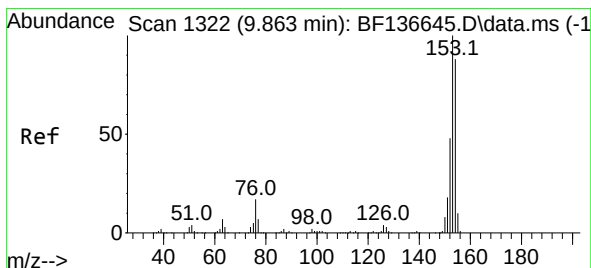
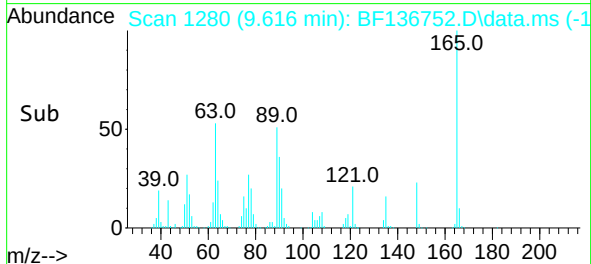
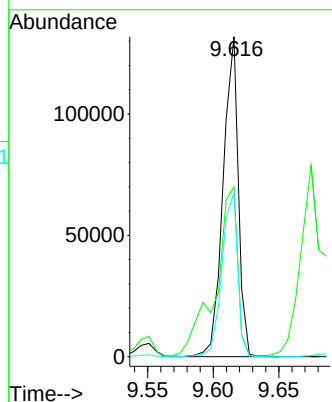
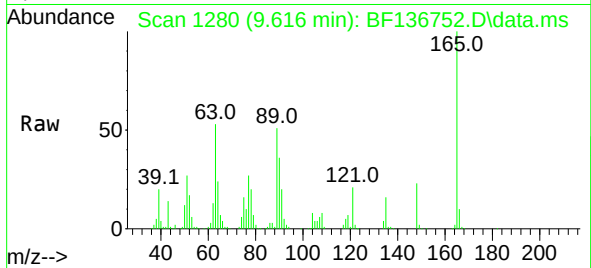
ClientSampleId :

PB157937BS

Tgt Ion:165 Resp: 10601  
Ion Ratio Lower Upper  
165 100  
63 53.0 39.8 59.6  
89 51.1 38.8 58.2

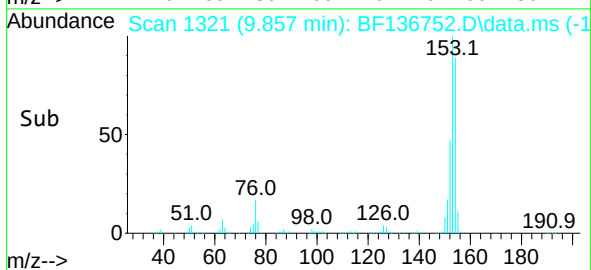
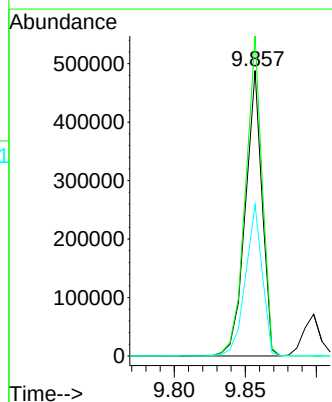
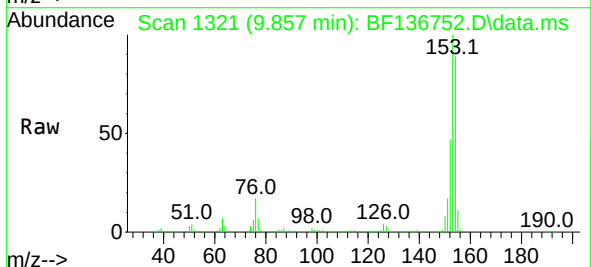
Manual Integrations  
APPROVED

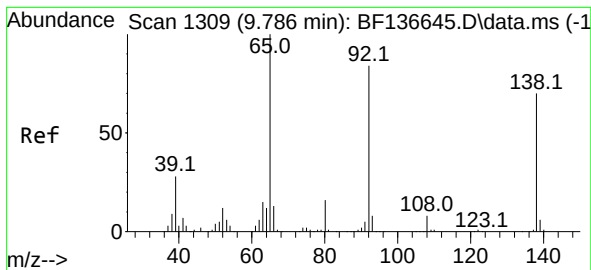
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#52  
Acenaphthene  
Concen: 38.650 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:154 Resp: 400958  
Ion Ratio Lower Upper  
154 100  
153 112.1 90.7 136.1  
152 53.2 43.7 65.5





#53  
3-Nitroaniline  
Concen: 29.470 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

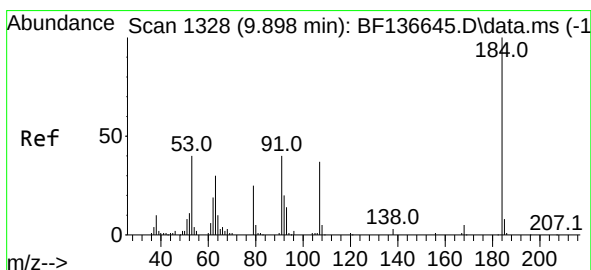
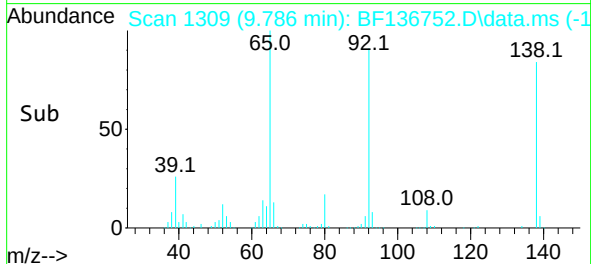
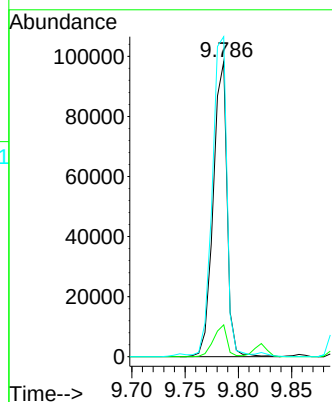
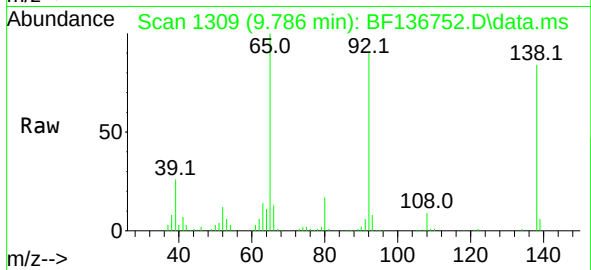
PB157937BS

Tgt Ion:138 Resp: 88819  
Ion Ratio Lower Upper  
138 100  
108 10.8 8.6 12.8  
92 108.5 95.2 142.8

Manual Integrations

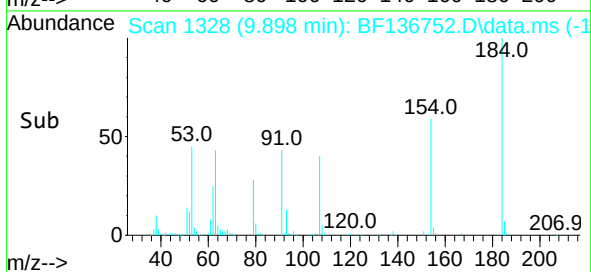
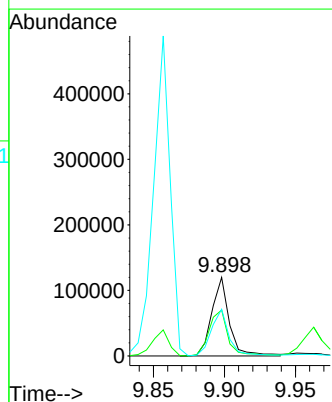
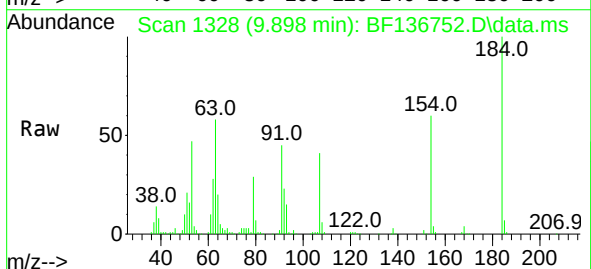
APPROVED

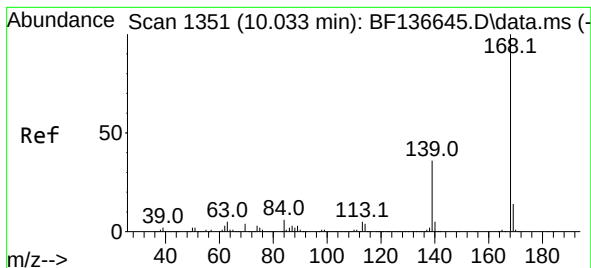
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#54  
2,4-Dinitrophenol  
Concen: 66.230 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:184 Resp: 103372  
Ion Ratio Lower Upper  
184 100  
63 58.5 40.9 61.3  
154 59.5 42.7 64.1





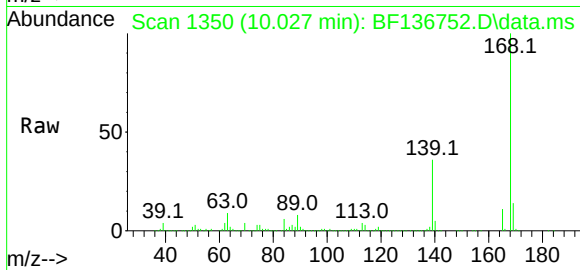
#55  
Dibenzenofuran  
Concen: 38.377 ng  
RT: 10.027 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS



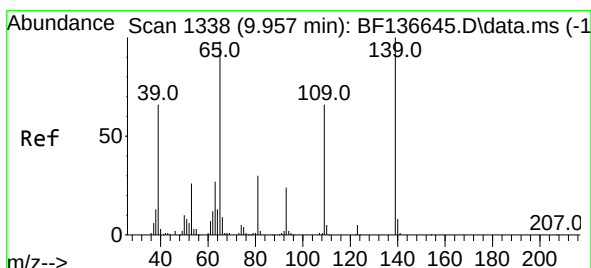
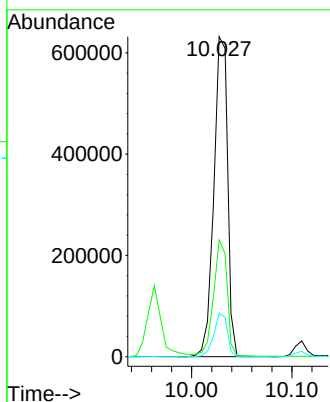
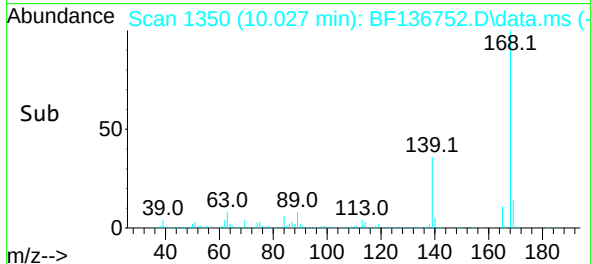
Tgt Ion:168 Resp: 603500  
Ion Ratio Lower Upper  
168 100  
139 36.4 29.3 43.9  
169 13.6 11.0 16.4

Manual Integrations

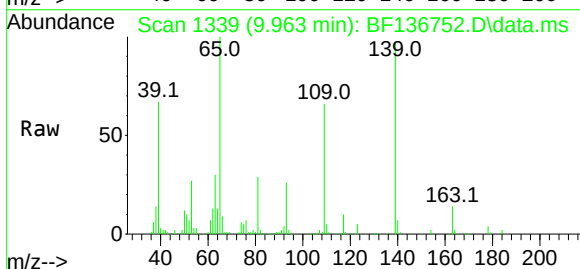
APPROVED

Reviewed By :Yogesh Patel 12/28/2023

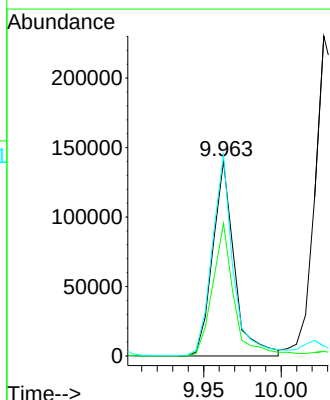
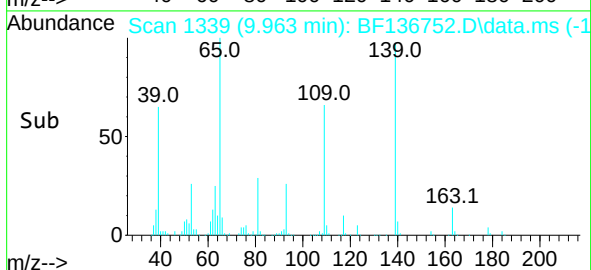
Supervised By :mohammad ahmed 12/28/2023

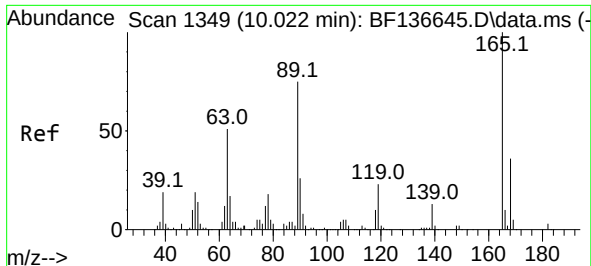


#56  
4-Nitrophenol  
Concen: 67.046 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:139 Resp: 136409  
Ion Ratio Lower Upper  
139 100  
109 68.1 45.8 85.8  
65 103.3 77.8 117.8





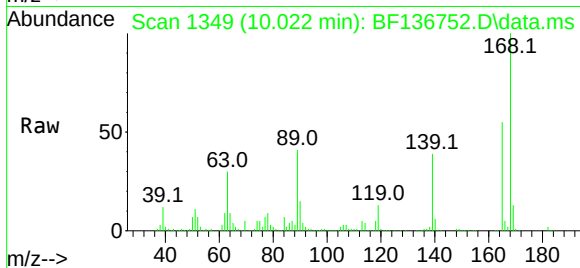
#57  
2,4-Dinitrotoluene  
Concen: 35.805 ng  
RT: 10.022 min Scan# 1409  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

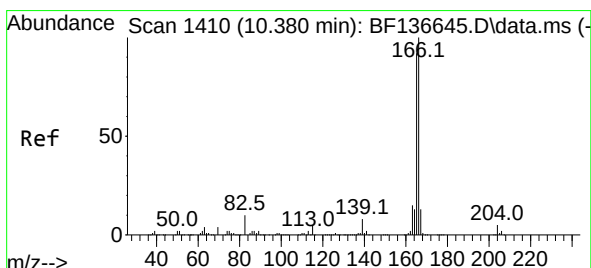
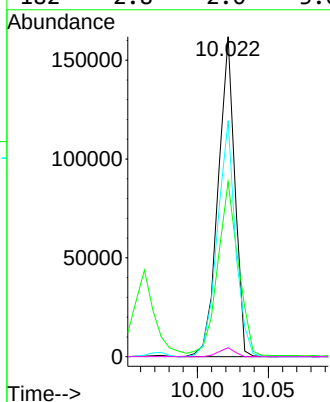
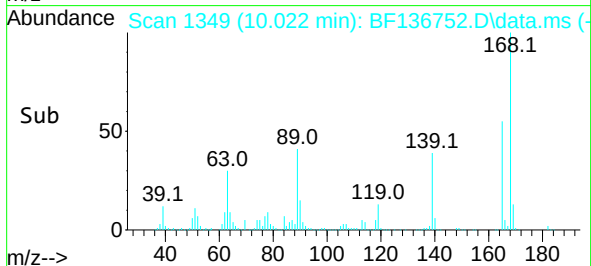


Tgt Ion:165 Resp: 132249  
Ion Ratio Lower Upper  
165 100  
63 54.7 41.0 61.6  
89 73.8 59.9 89.9  
182 2.8 2.0 3.0

Manual Integrations

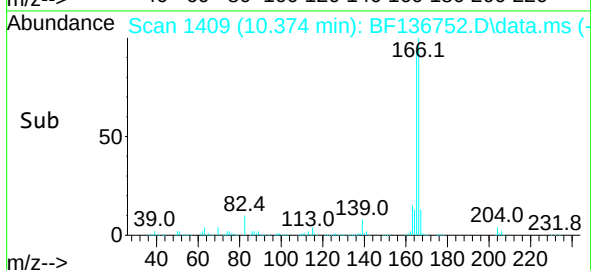
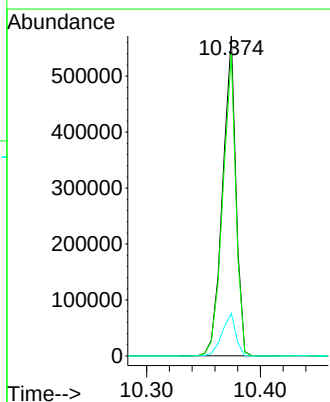
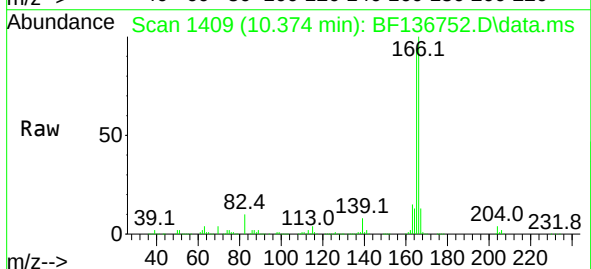
APPROVED

Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

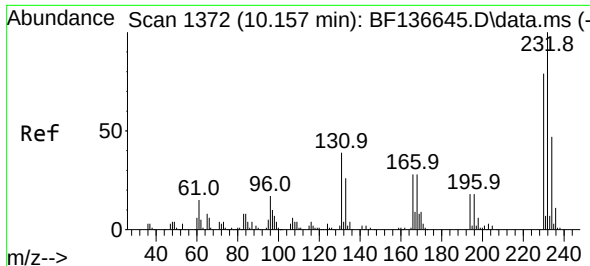


#58  
Fluorene  
Concen: 37.254 ng  
RT: 10.374 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:166 Resp: 464838  
Ion Ratio Lower Upper  
166 100  
165 94.4 73.7 110.5  
167 13.3 10.4 15.6

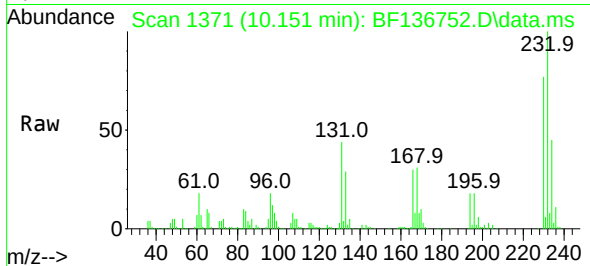






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.047 ng  
RT: 10.151 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

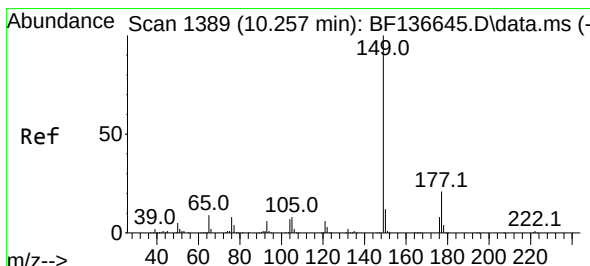
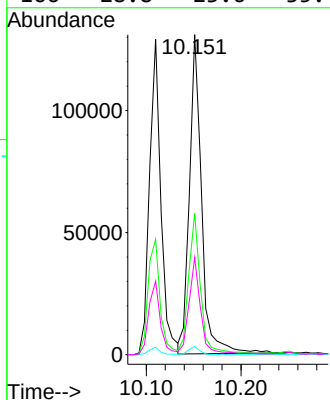
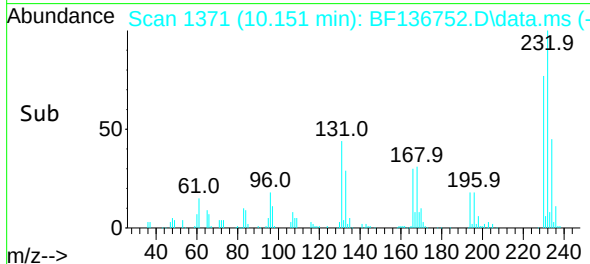
Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS



Tgt Ion:232 Resp: 117104  
Ion Ratio Lower Upper  
232 100  
131 42.8 35.1 52.7  
130 2.3 1.6 2.4  
166 28.8 23.6 35.4

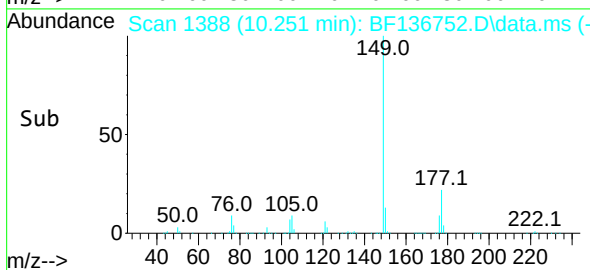
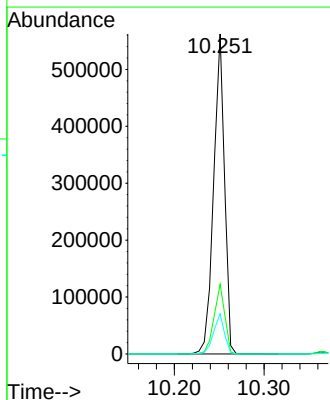
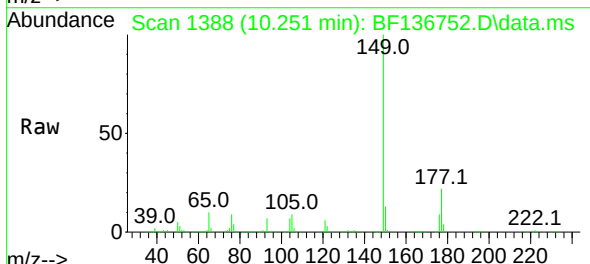
Manual Integrations  
APPROVED

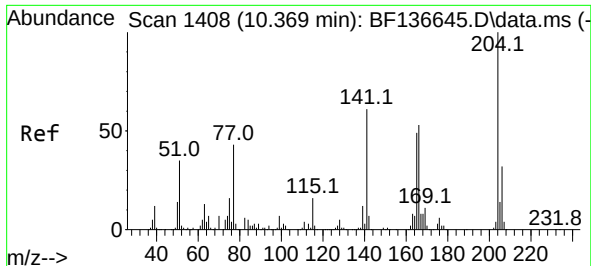
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#60  
Diethylphthalate  
Concen: 36.423 ng  
RT: 10.251 min Scan# 1388  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:149 Resp: 473767  
Ion Ratio Lower Upper  
149 100  
177 21.8 16.9 25.3  
150 12.6 9.3 13.9





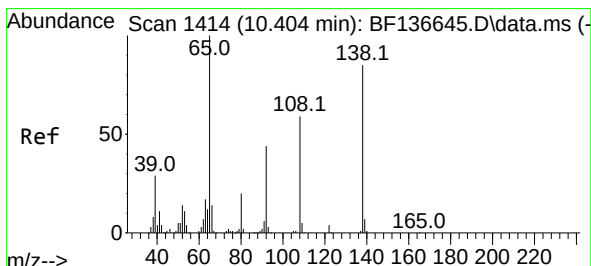
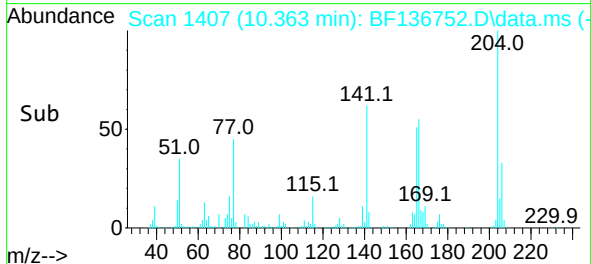
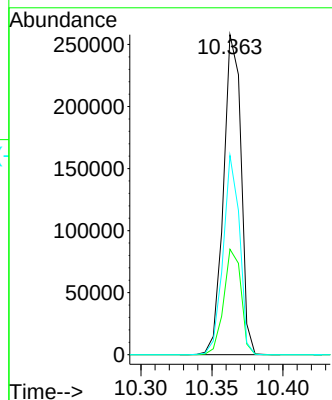
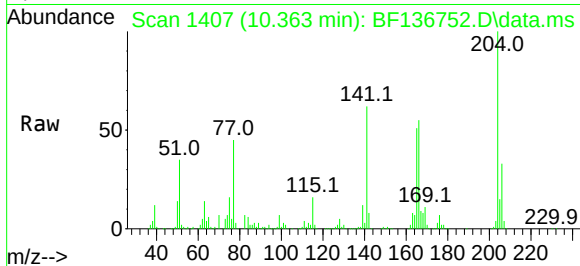
#61  
4-Chlorophenyl-phenylether  
Concen: 36.354 ng  
RT: 10.363 min Scan# 1408  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS

Tgt Ion:204 Resp: 220485  
Ion Ratio Lower Upper  
204 100  
206 33.0 25.6 38.4  
141 62.3 48.4 72.6

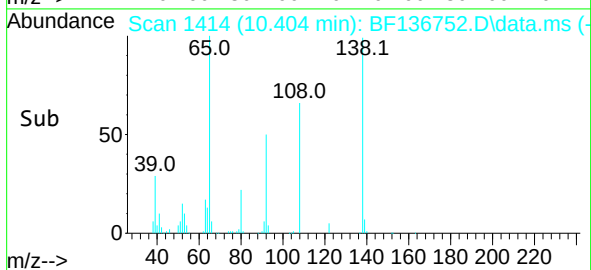
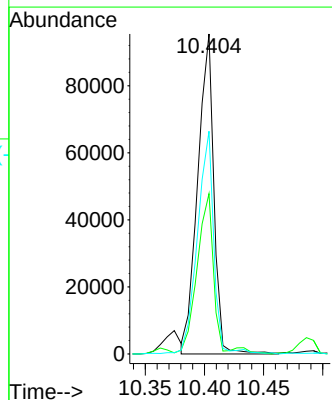
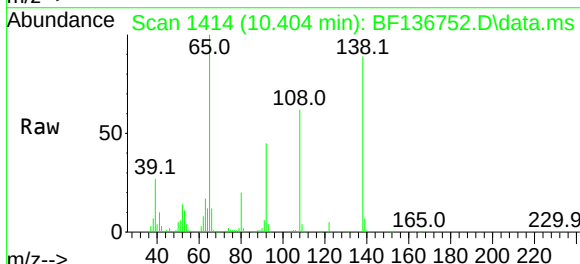
Manual Integrations  
APPROVED

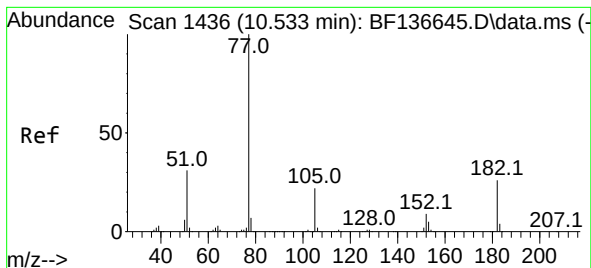
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#62  
4-Nitroaniline  
Concen: 31.303 ng m  
RT: 10.404 min Scan# 1414  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:138 Resp: 90951  
Ion Ratio Lower Upper  
138 100  
92 50.1 32.1 72.1  
108 69.6 50.1 90.1





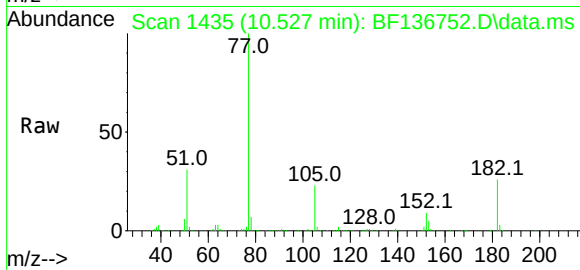
#63  
Azobenzene  
Concen: 36.115 ng  
RT: 10.527 min Scan# 1435  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

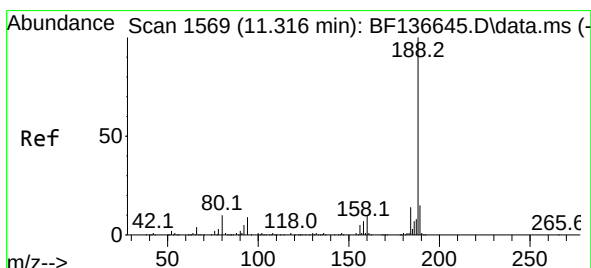
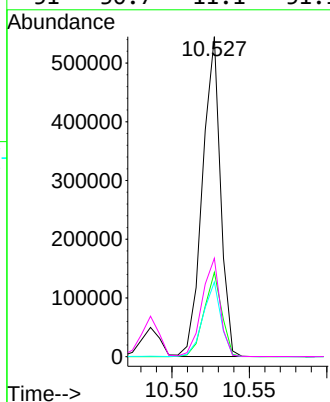
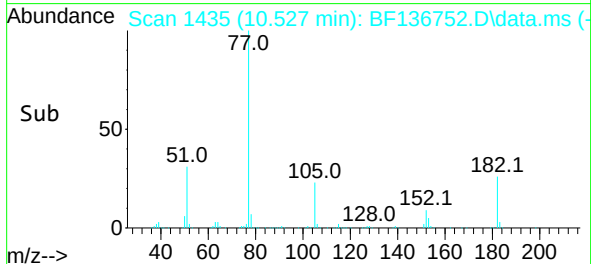


Tgt Ion: 77 Resp: 43876  
Ion Ratio Lower Upper  
77 100  
182 26.4 6.0 46.0  
105 23.4 2.3 42.3  
51 30.7 11.1 51.1

Manual Integrations

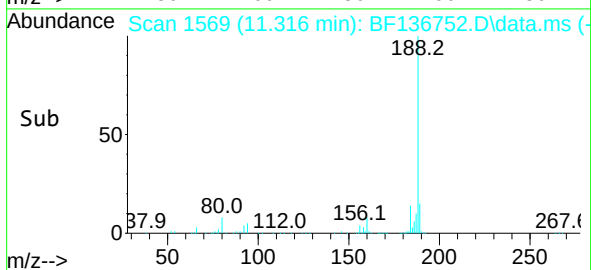
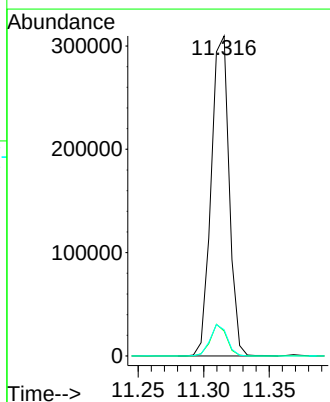
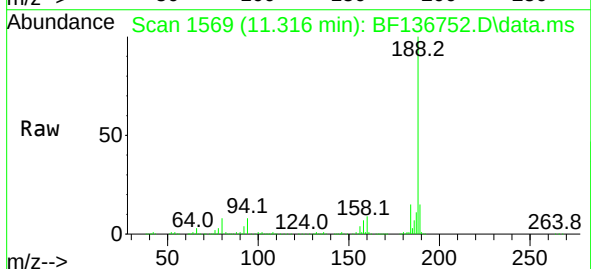
APPROVED

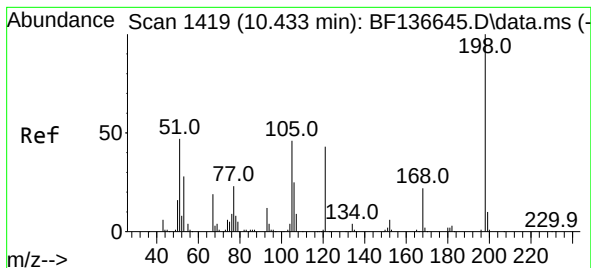
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:188 Resp: 295500  
Ion Ratio Lower Upper  
188 100  
94 7.8 7.5 11.3  
80 8.2 8.1 12.1





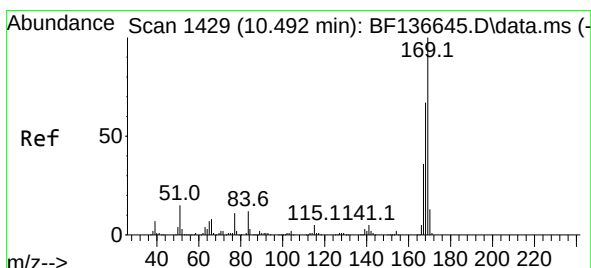
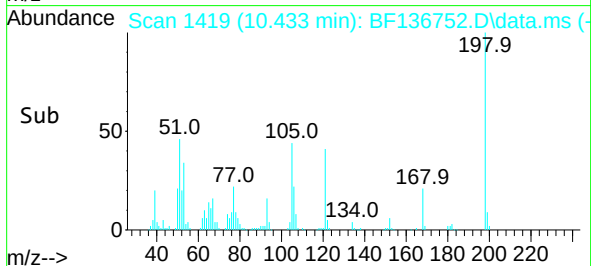
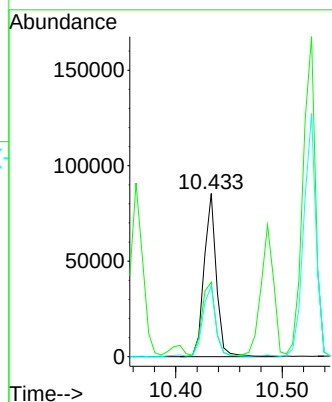
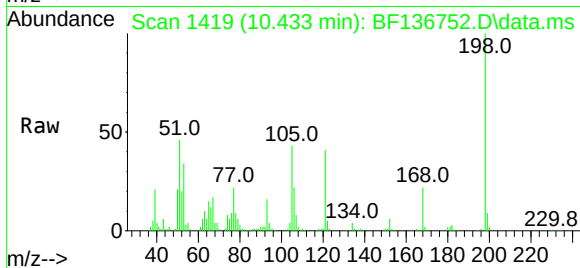
#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.589 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS

Tgt Ion:198 Resp: 68738  
Ion Ratio Lower Upper  
198 100  
51 45.6 34.1 74.1  
105 43.3 27.3 67.3

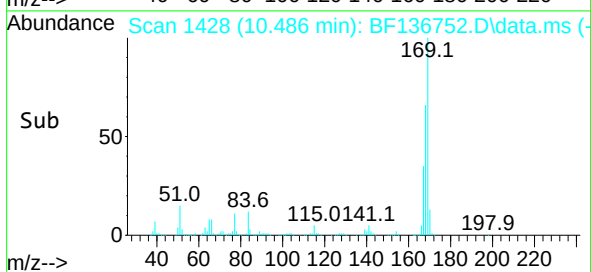
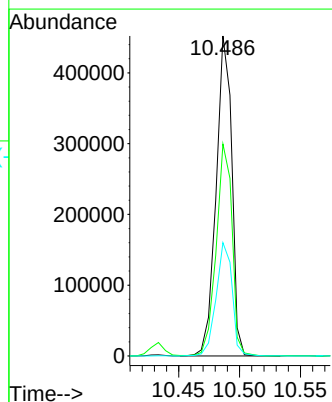
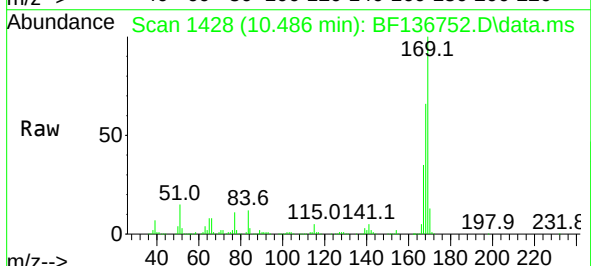
Manual Integrations  
APPROVED

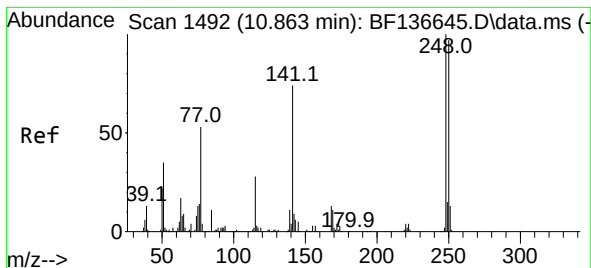
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#66  
n-Nitrosodiphenylamine  
Concen: 42.283 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:169 Resp: 405882  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.8 80.6  
167 35.4 28.7 43.1





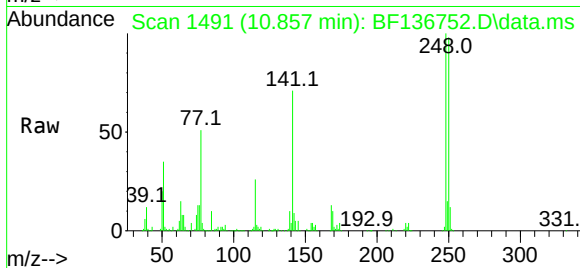
#67  
4-Bromophenyl-phenylether  
Concen: 41.608 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

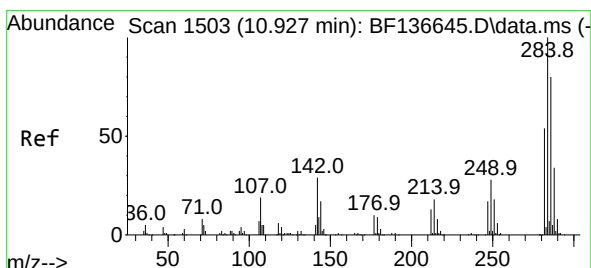
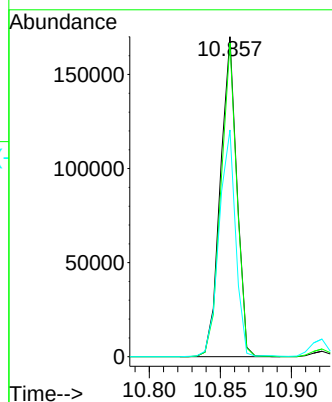
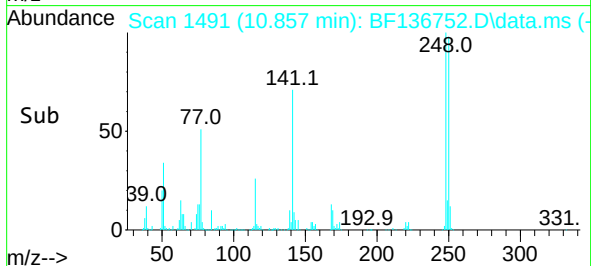


Tgt Ion:248 Resp: 136548  
Ion Ratio Lower Upper  
248 100  
250 98.0 77.8 116.6  
141 70.9 59.2 88.8

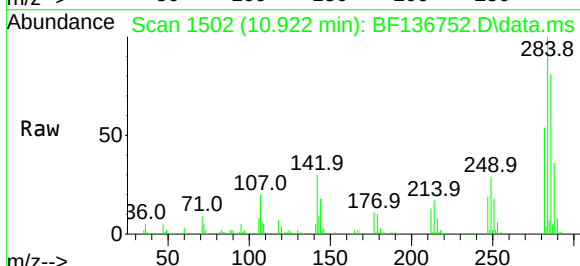
Manual Integrations

APPROVED

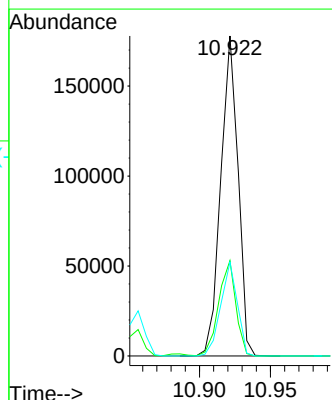
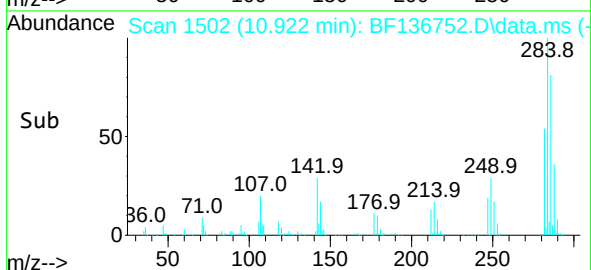
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023

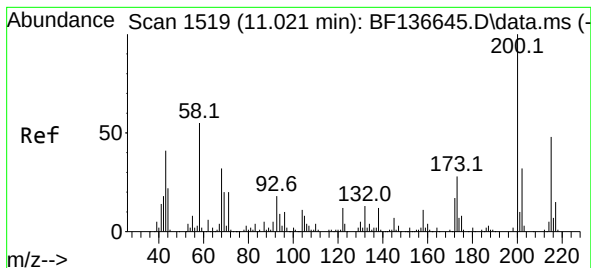


#68  
Hexachlorobenzene  
Concen: 41.044 ng  
RT: 10.922 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:284 Resp: 150105  
Ion Ratio Lower Upper  
284 100  
142 29.8 23.4 35.0  
249 29.3 22.3 33.5





#69

Atrazine

Concen: 39.208 ng

RT: 11.022 min Scan# 1519

Delta R.T. 0.000 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

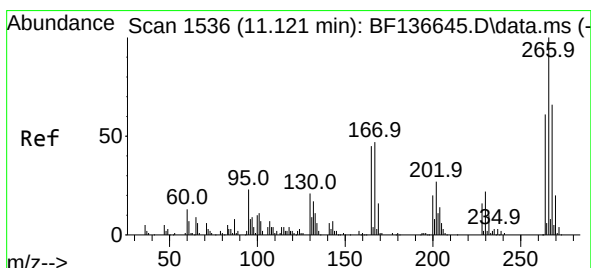
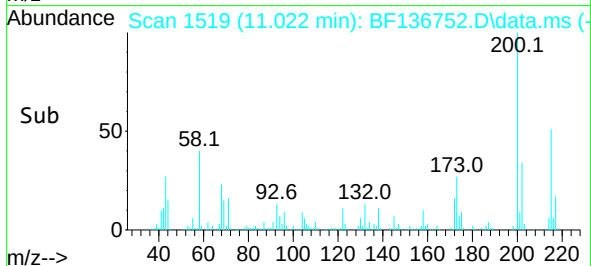
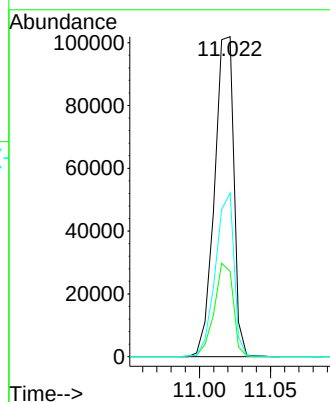
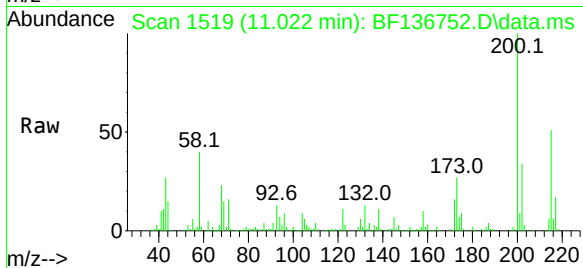
Tgt Ion:200 Resp: 96262  
 Ion Ratio Lower Upper  
 200 100  
 173 26.6 7.6 47.6  
 215 51.2 28.3 68.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#70

Pentachlorophenol

Concen: 66.943 ng

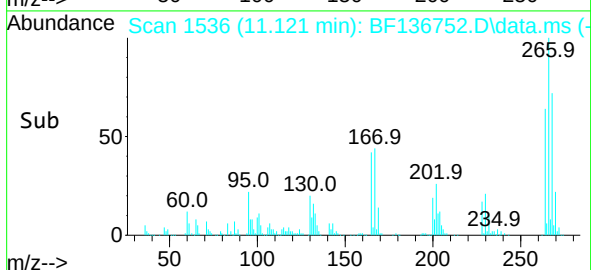
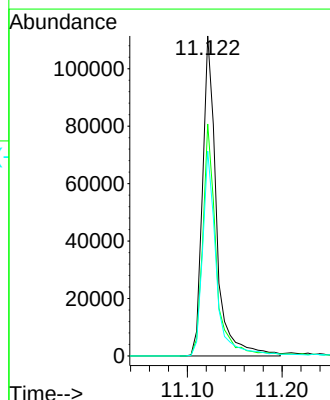
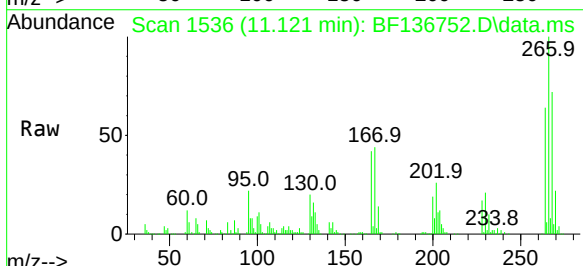
RT: 11.121 min Scan# 1536

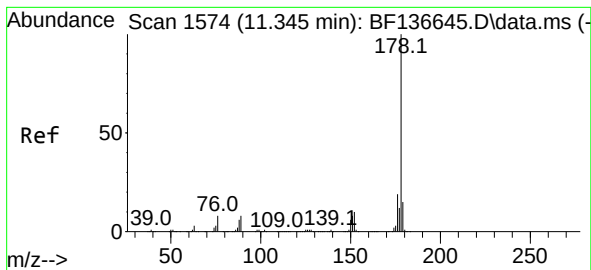
Delta R.T. 0.000 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Tgt Ion:266 Resp: 114116  
 Ion Ratio Lower Upper  
 266 100  
 268 72.5 52.6 78.8  
 264 64.0 49.0 73.4





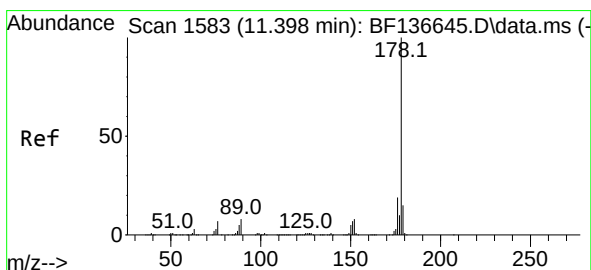
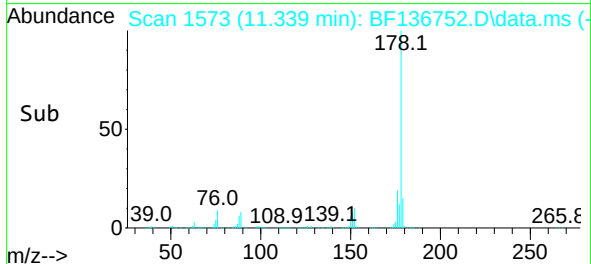
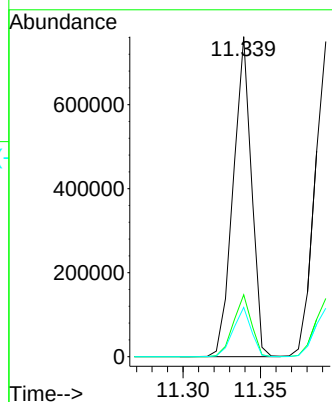
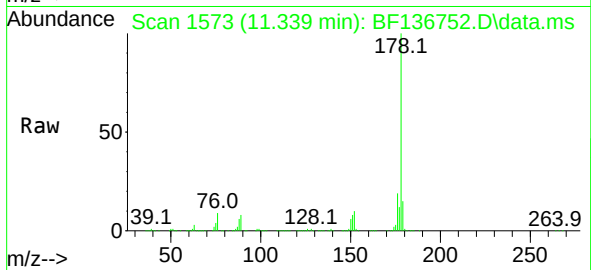
#71  
Phenanthrene  
Concen: 41.183 ng  
RT: 11.339 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS

Tgt Ion:178 Resp: 624432  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.4 11.9 17.9

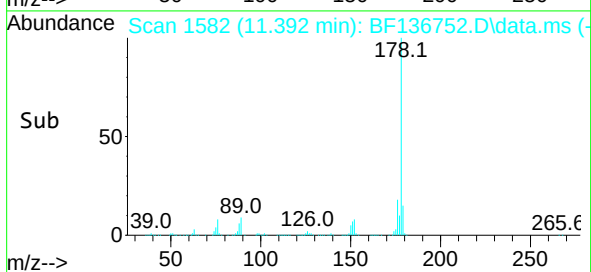
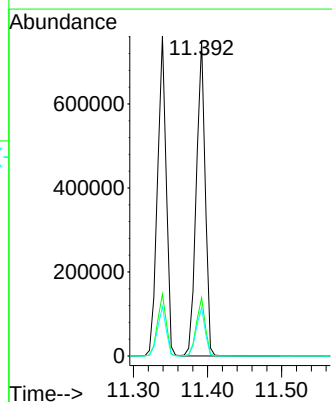
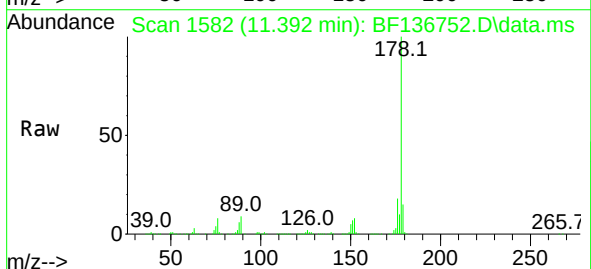
Manual Integrations  
APPROVED

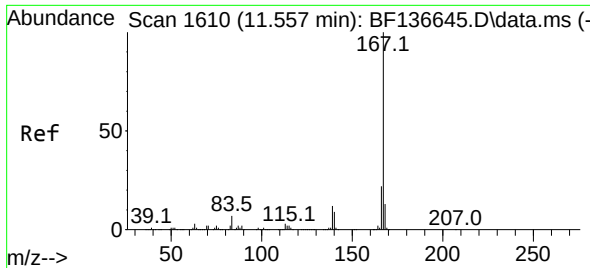
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#72  
Anthracene  
Concen: 40.662 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

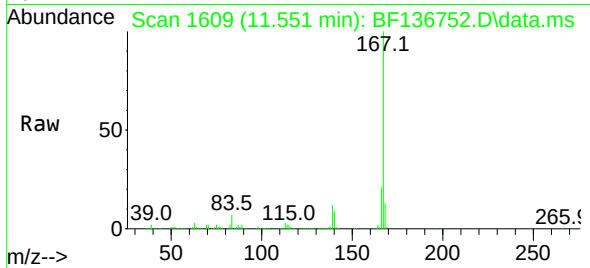
Tgt Ion:178 Resp: 624378  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 15.4 11.8 17.6





#73  
 Carbazole  
 Concen: 38.656 ng  
 RT: 11.551 min Scan# 1609  
 Delta R.T. -0.006 min  
 Lab File: BF136752.D  
 Acq: 27 Dec 2023 11:45

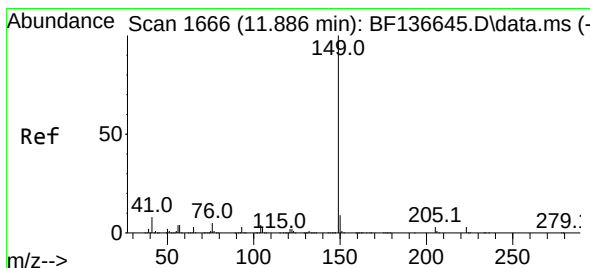
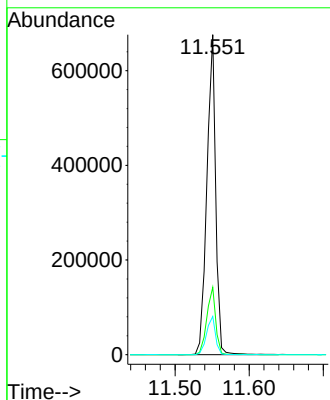
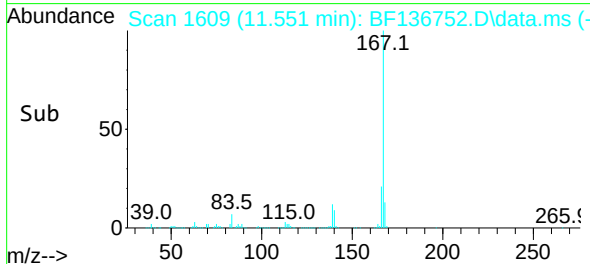
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157937BS



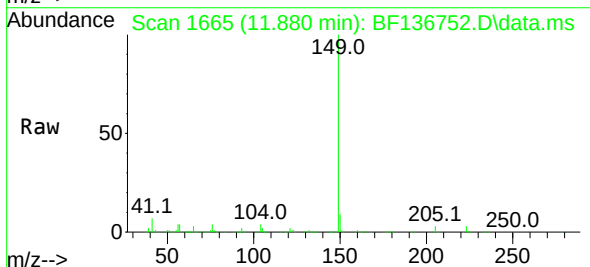
Tgt Ion:167 Resp: 559630  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 17.3 25.9  
 139 12.0 9.8 14.6

Manual Integrations  
 APPROVED

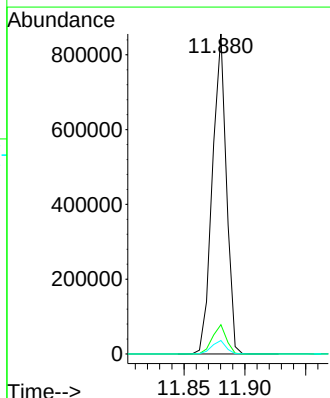
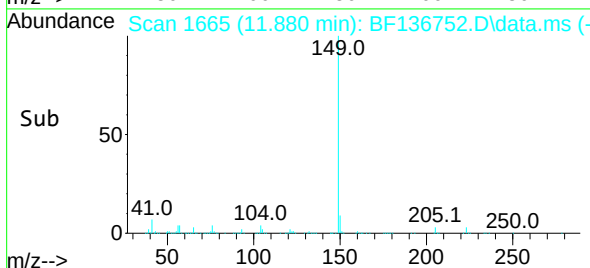
Reviewed By :Yogesh Patel 12/28/2023  
 Supervised By :mohammad ahmed 12/28/2023



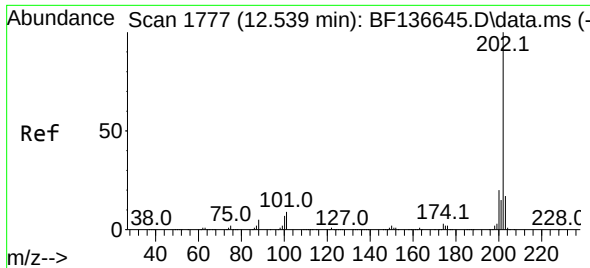
#74  
 Di-n-butylphthalate  
 Concen: 38.724 ng  
 RT: 11.880 min Scan# 1665  
 Delta R.T. -0.006 min  
 Lab File: BF136752.D  
 Acq: 27 Dec 2023 11:45



Tgt Ion:149 Resp: 684092  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.4 11.2  
 104 4.2 3.6 5.4







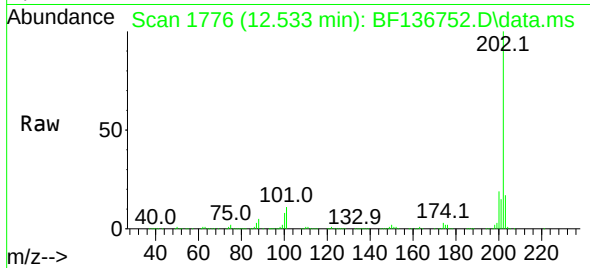
#75  
Fluoranthene  
Concen: 38.125 ng  
RT: 12.533 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS



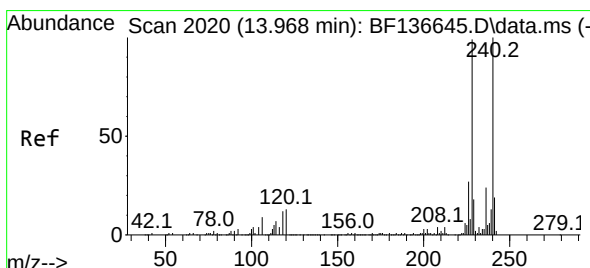
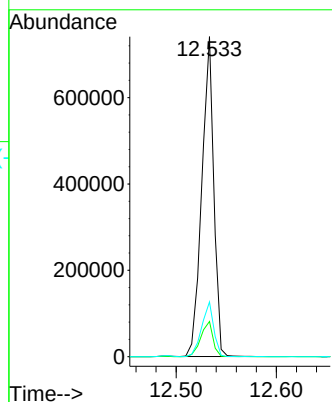
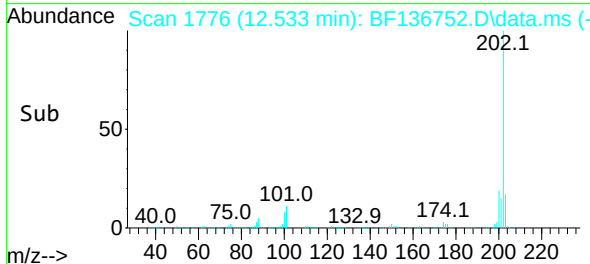
Tgt Ion:202 Resp: 61832  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 29.3  
203 17.1 0.0 37.1

Manual Integrations

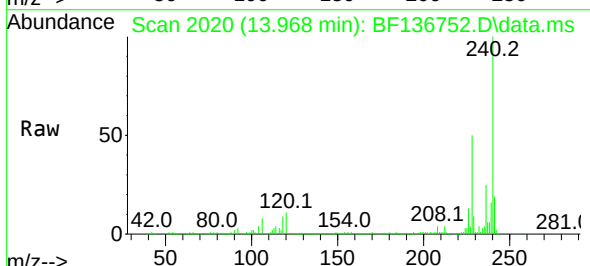
APPROVED

Reviewed By :Yogesh Patel 12/28/2023

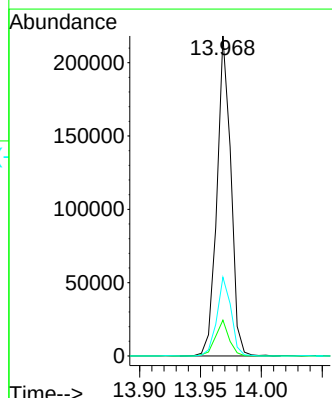
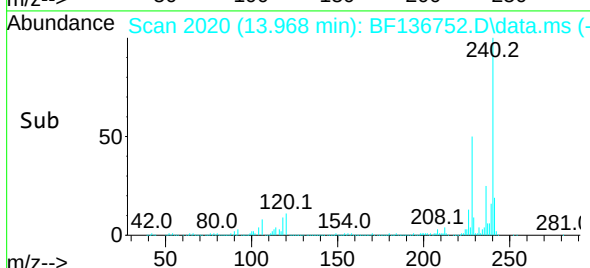
Supervised By :mohammad ahmed 12/28/2023

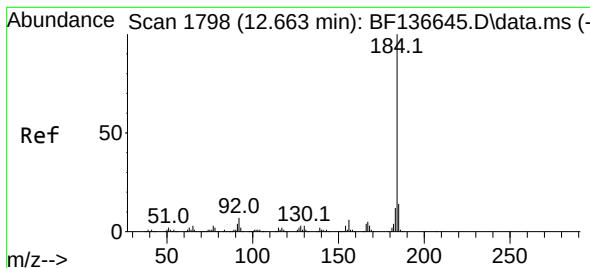


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45



Tgt Ion:240 Resp: 172808  
Ion Ratio Lower Upper  
240 100  
120 11.2 10.3 15.5  
236 24.6 19.4 29.2





#77

Benzidine

Concen: 7.339 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

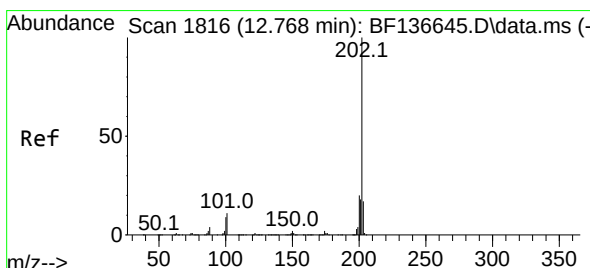
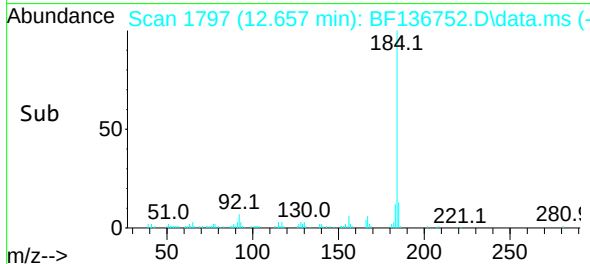
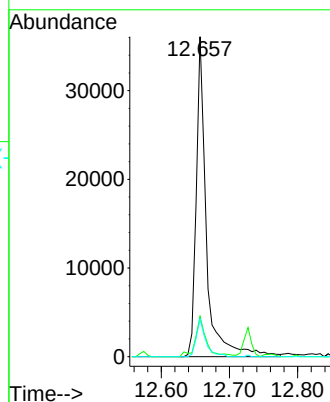
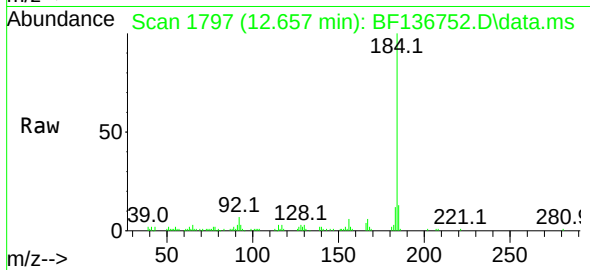
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 184   | Resp: | 3739 |
| Ion Ratio | Lower | Upper |      |
| 184       | 100   |       |      |
| 185       | 12.6  | 11.2  | 16.8 |
| 183       | 11.8  | 9.3   | 13.9 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#78

Pyrene

Concen: 36.592 ng

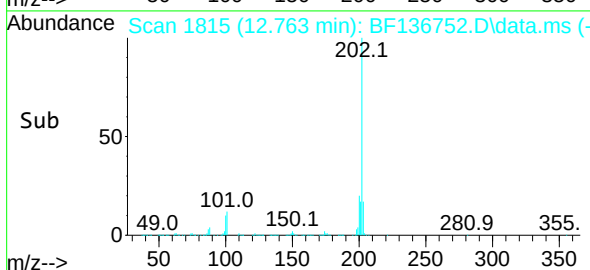
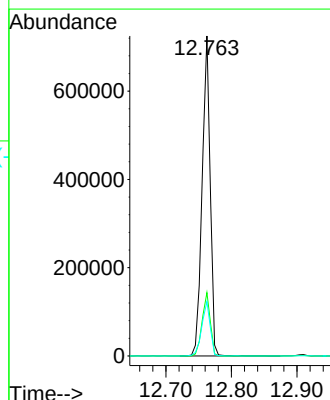
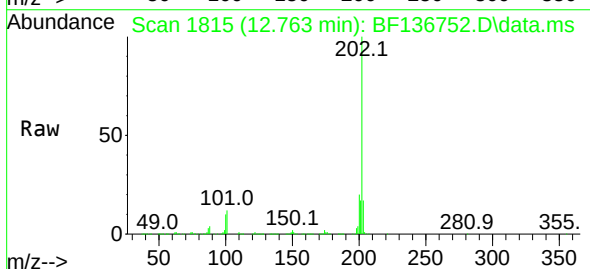
RT: 12.763 min Scan# 1815

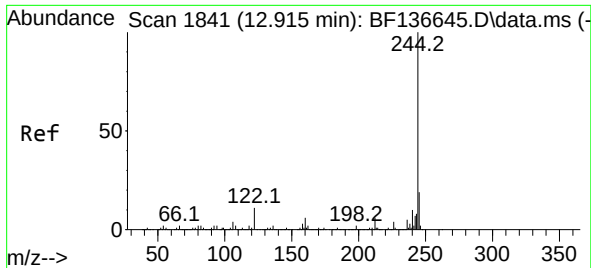
Delta R.T. -0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 620743 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 19.8  | 15.9  | 23.9   |
| 203       | 17.0  | 13.8  | 20.6   |





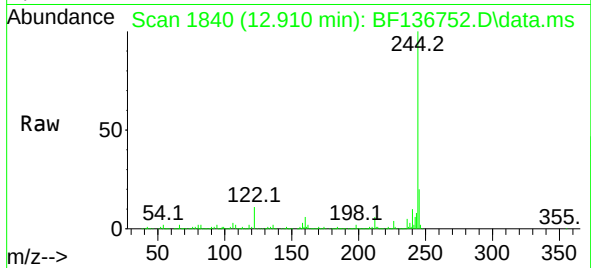
#79  
 Terphenyl-d14  
 Concen: 68.060 ng  
 RT: 12.910 min Scan# 1841  
 Delta R.T. -0.006 min  
 Lab File: BF136752.D  
 Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

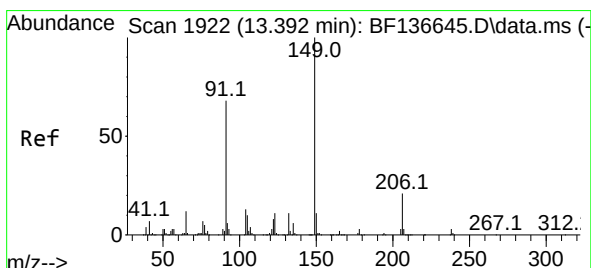
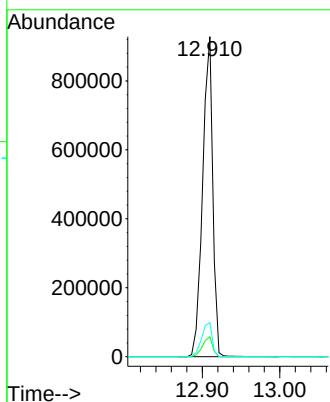
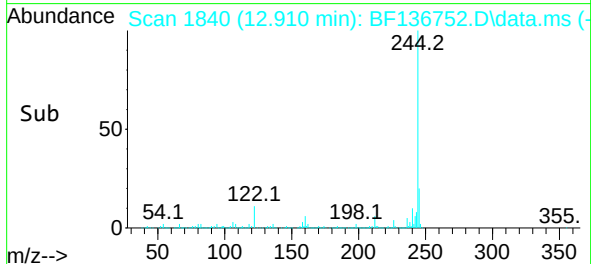


Tgt Ion:244 Resp: 841610  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 10.7 9.0 13.4

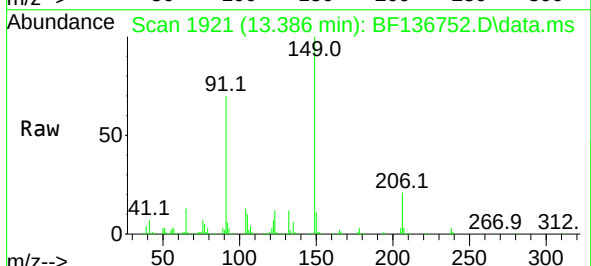
Manual Integrations

APPROVED

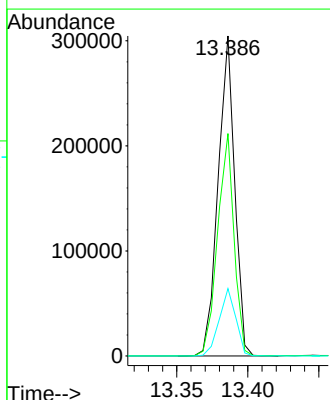
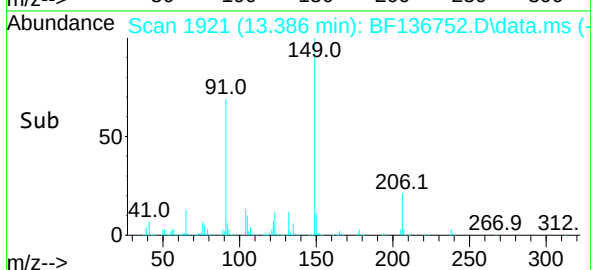
Reviewed By :Yogesh Patel 12/28/2023  
 Supervised By :mohammad ahmed 12/28/2023

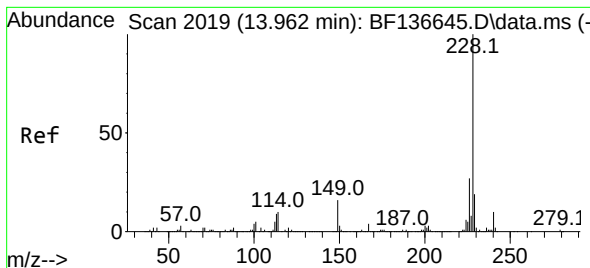


#80  
 Butylbenzylphthalate  
 Concen: 40.061 ng  
 RT: 13.386 min Scan# 1921  
 Delta R.T. -0.006 min  
 Lab File: BF136752.D  
 Acq: 27 Dec 2023 11:45



Tgt Ion:149 Resp: 247283  
 Ion Ratio Lower Upper  
 149 100  
 91 69.5 54.1 81.1  
 206 21.0 17.1 25.7





#81

Benzo(a)anthracene

Concen: 40.115 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136752.D

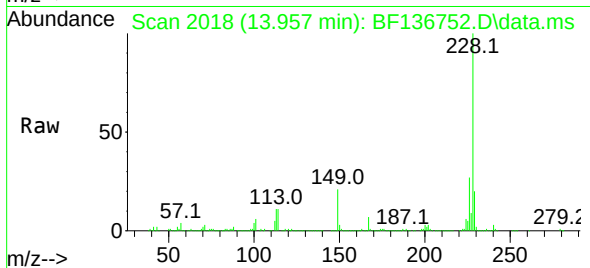
Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS



Tgt Ion:228 Resp: 48136

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.0

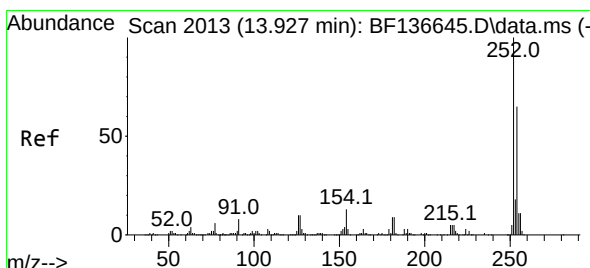
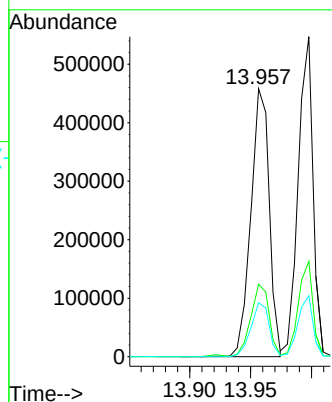
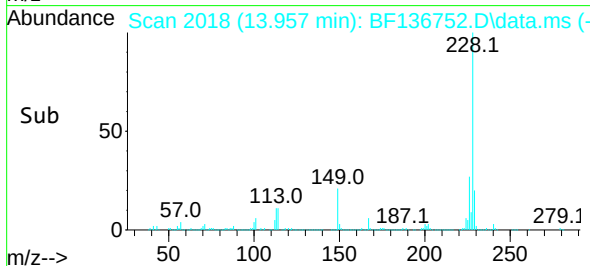
229 20.1 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#82

3,3'-Dichlorobenzidine

Concen: 44.666 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

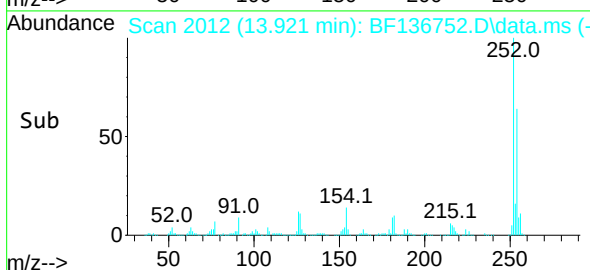
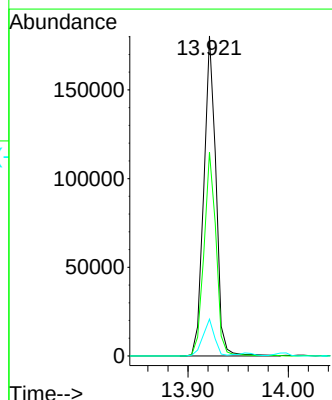
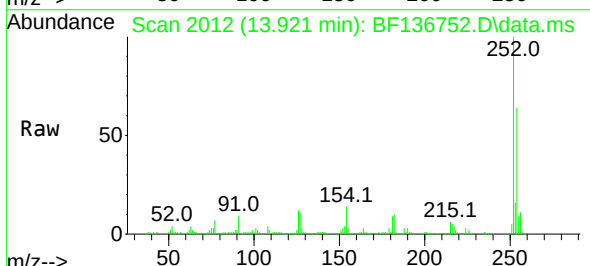
Tgt Ion:252 Resp: 152212

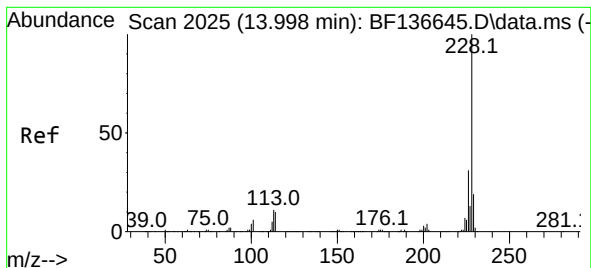
Ion Ratio Lower Upper

252 100

254 63.7 52.2 78.4

126 11.5 8.0 12.0





#83

Chrysene

Concen: 39.803 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

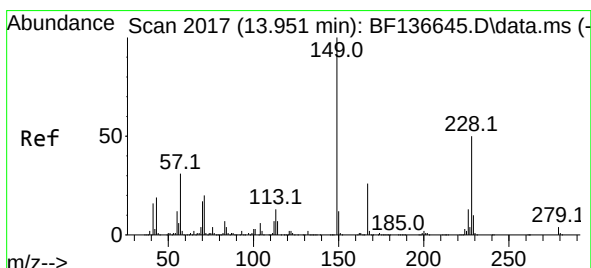
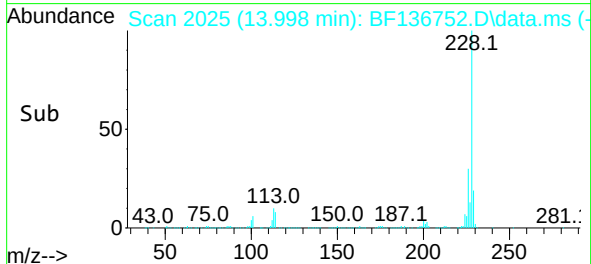
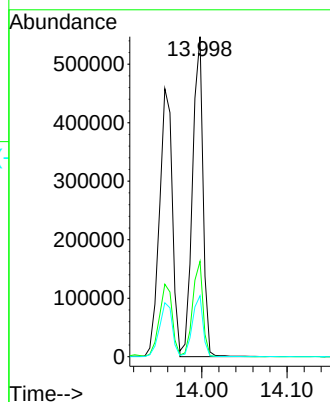
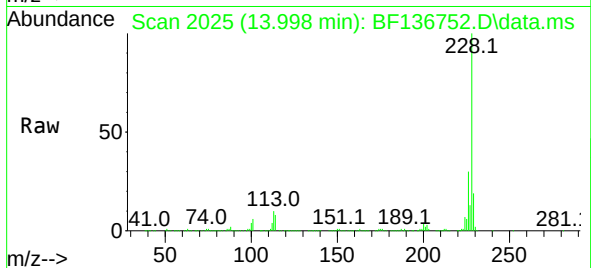
Tgt Ion:228 Resp: 467063  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 24.7 37.1  
 229 19.0 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.513 ng

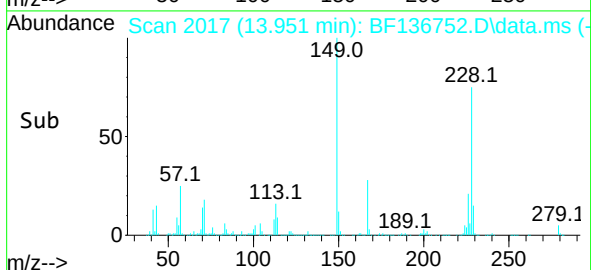
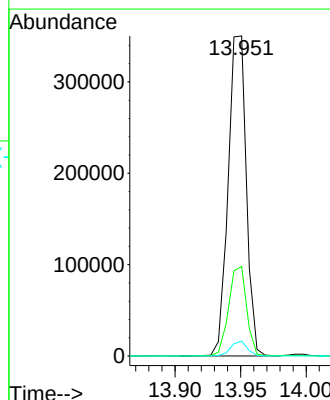
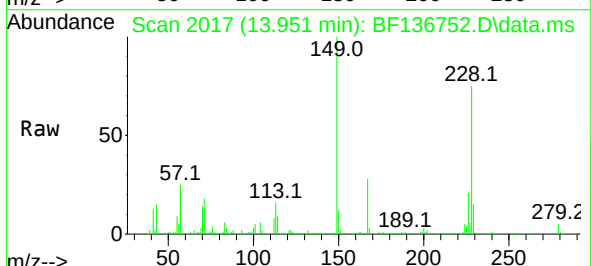
RT: 13.951 min Scan# 2017

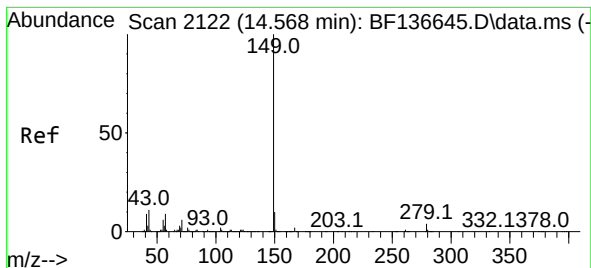
Delta R.T. 0.000 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

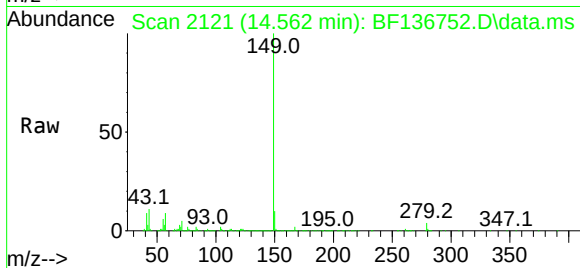
Tgt Ion:149 Resp: 337938  
 Ion Ratio Lower Upper  
 149 100  
 167 27.9 20.9 31.3  
 279 4.7 2.9 4.3#





#85  
Di-n-octyl phthalate  
Concen: 47.742 ng  
RT: 14.562 min Scan# 2122  
Delta R.T. -0.006 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

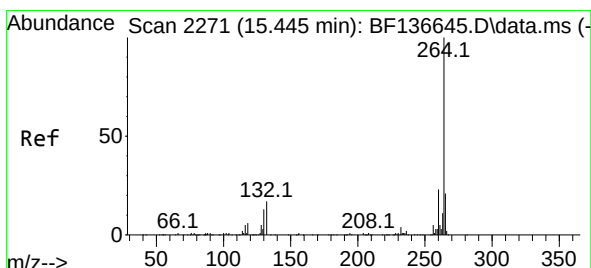
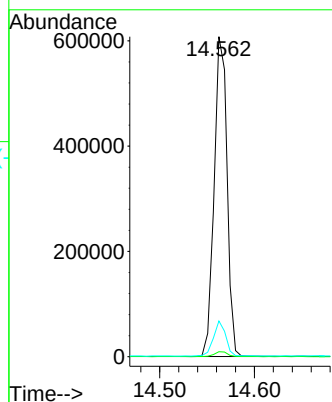
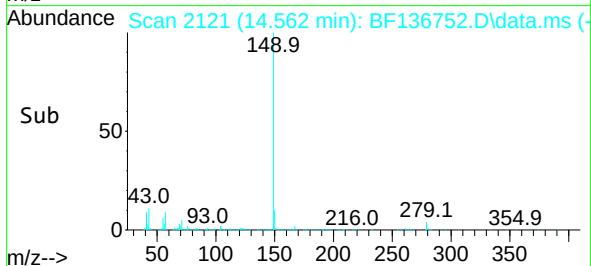
Instrument :  
BNA\_F  
ClientSampleId :  
PB157937BS



Tgt Ion:149 Resp: 57354  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 10.4 8.9 13.3

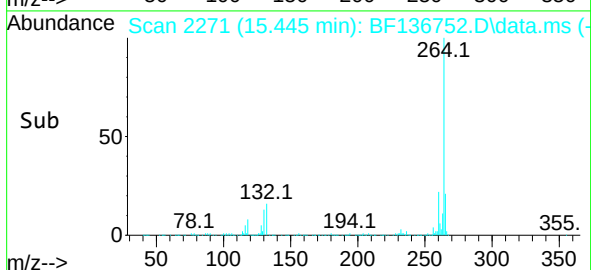
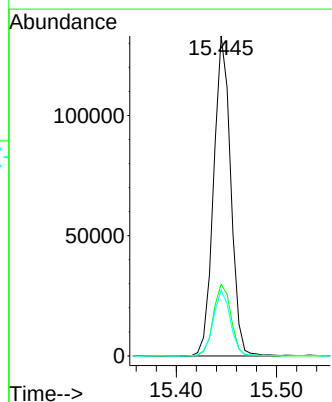
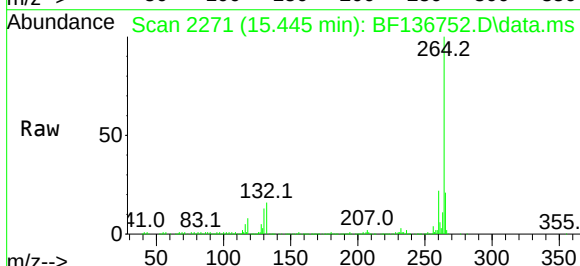
Manual Integrations  
APPROVED

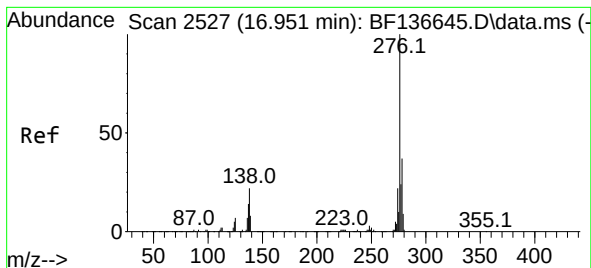
Reviewed By :Yogesh Patel 12/28/2023  
Supervised By :mohammad ahmed 12/28/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. 0.000 min  
Lab File: BF136752.D  
Acq: 27 Dec 2023 11:45

Tgt Ion:264 Resp: 157848  
Ion Ratio Lower Upper  
264 100  
260 22.4 18.3 27.5  
265 20.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.994 ng

RT: 16.956 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

Tgt Ion:276 Resp: 558370

Ion Ratio Lower Upper

276 100

138 22.6 18.7 28.1

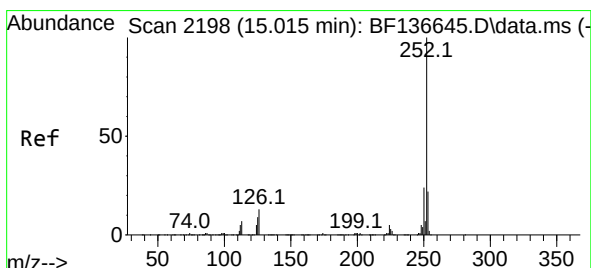
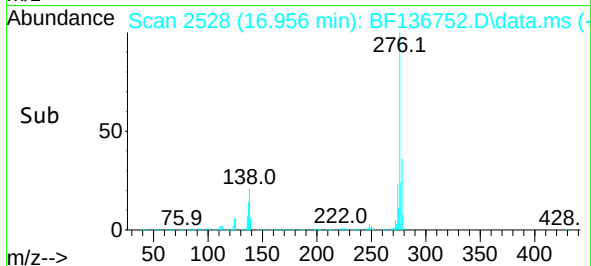
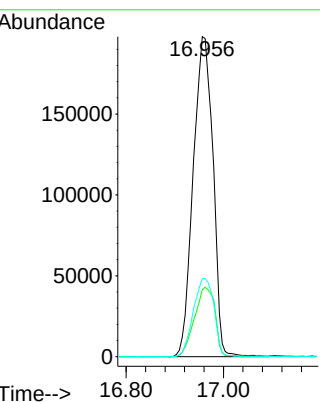
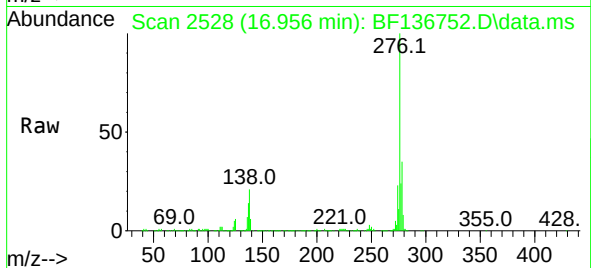
277 25.5 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#88

Benzo(b)fluoranthene

Concen: 43.984 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

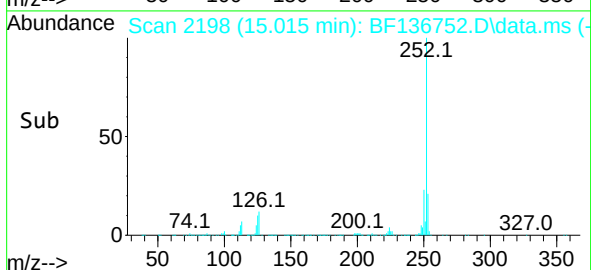
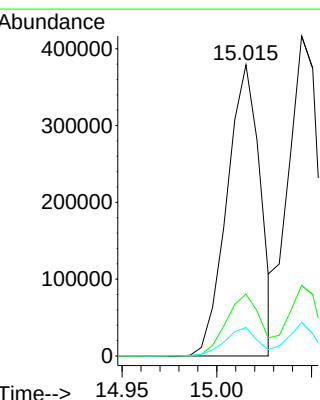
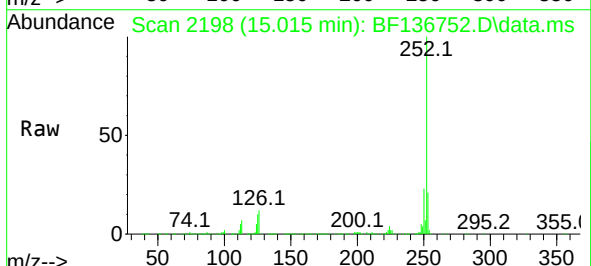
Tgt Ion:252 Resp: 463718

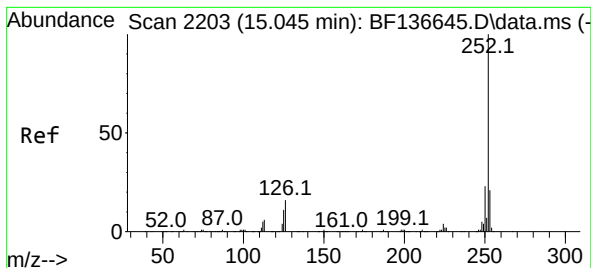
Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 9.8 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 45.517 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

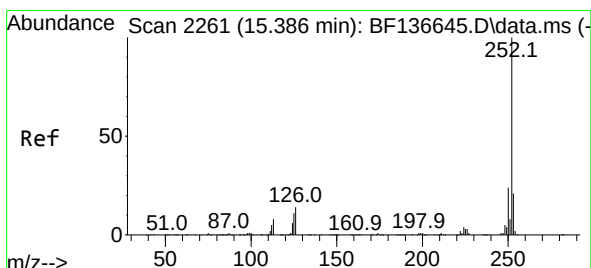
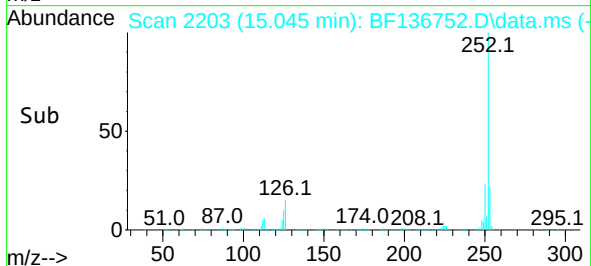
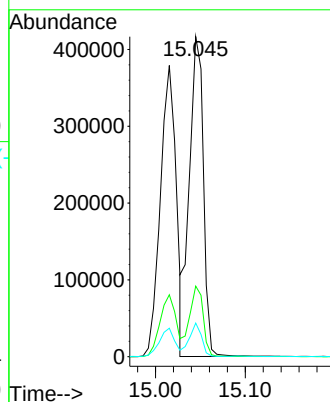
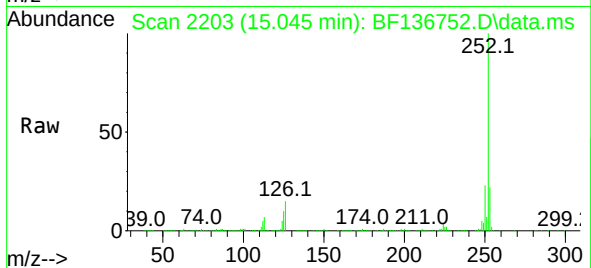
PB157937BS

Tgt Ion:252 Resp: 45344  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 17.0 25.6  
 125 10.5 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023  
 Supervised By :mohammad ahmed 12/28/2023



#90

Benzo(a)pyrene

Concen: 46.105 ng

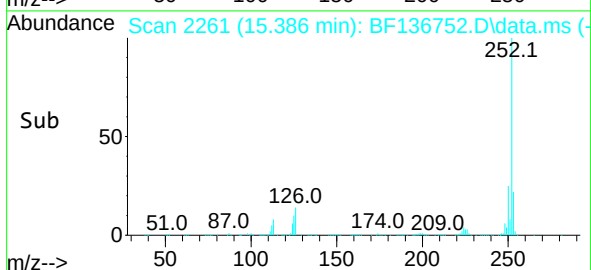
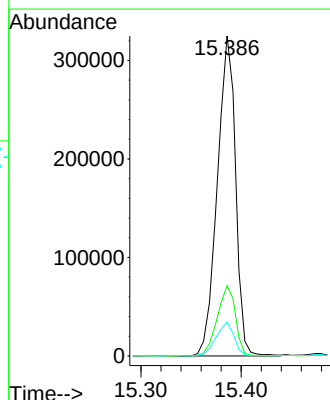
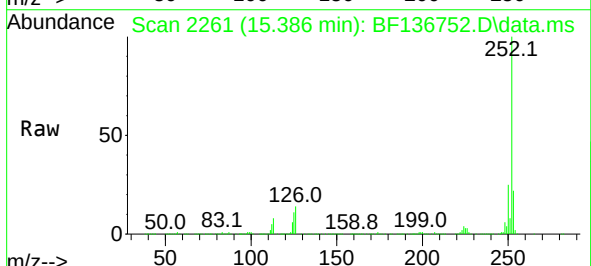
RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

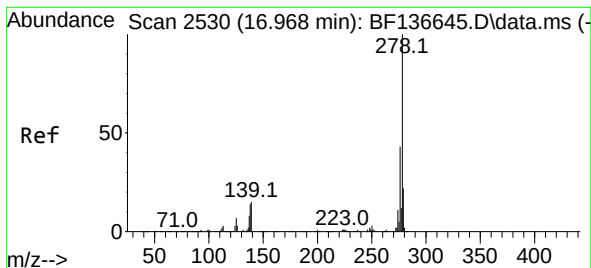
Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Tgt Ion:252 Resp: 410304  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.0 25.6  
 125 10.6 8.8 13.2







#91

Dibenzo(a,h)anthracene

Concen: 50.945 ng

RT: 16.980 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Instrument :

BNA\_F

ClientSampleId :

PB157937BS

Tgt Ion:278 Resp: 47633

Ion Ratio Lower Upper

278 100

139 14.0 12.2 18.4

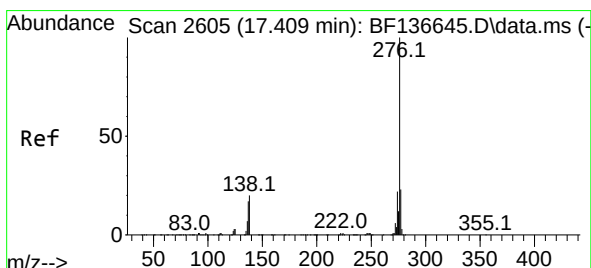
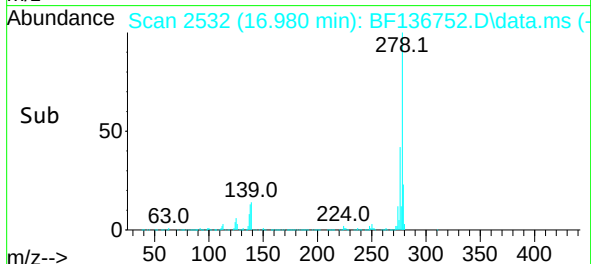
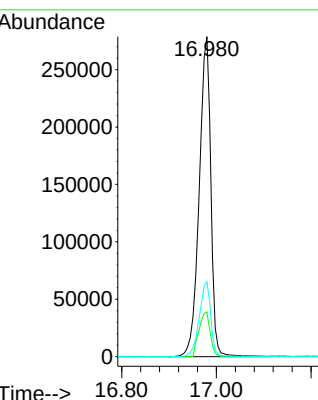
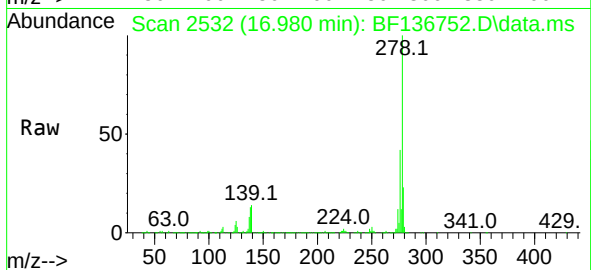
279 23.4 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#92

Benzo(g,h,i)perylene

Concen: 49.505 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF136752.D

Acq: 27 Dec 2023 11:45

Tgt Ion:276 Resp: 474075

Ion Ratio Lower Upper

276 100

277 22.0 18.3 27.5

138 20.0 15.6 23.4

