

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122023\  
 Data File : BF136654.D  
 Acq On : 20 Dec 2023 18:33  
 Operator : CG\JU  
 Sample : PB157565BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157565BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023  
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 21 02:18:39 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     | 6.792  | 152  | 91997    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 382722   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.827  | 164  | 196113   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 379679   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 198863   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.445 | 264  | 157102   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 706638   | 119.847 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 877773   | 114.892 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 552118   | 73.820  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.627 | 330  | 256499   | 111.055 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1045655  | 71.713  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.915 | 244  | 1104280  | 77.601  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 74396    | 30.283  | ng    | 99       |
| 3) Pyridine                   | 3.416  | 79   | 180091   | 30.045  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 134363   | 41.976  | ng    | 94       |
| 6) Aniline                    | 6.463  | 93   | 202355   | 26.491  | ng    | # 21     |
| 8) 2-Chlorophenol             | 6.586  | 128  | 278397   | 43.146  | ng    | 93       |
| 9) Benzaldehyde               | 6.345  | 77   | 74359    | 17.111  | ng    | 95       |
| 10) Phenol                    | 6.457  | 94   | 324993   | 39.848  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.533  | 93   | 262199   | 42.274  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.733  | 146  | 273283   | 38.825  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.810  | 146  | 274778   | 38.205  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 267255   | 39.934  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 221318   | 42.939  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069  | 45   | 420852   | 41.502  | ng    | 95       |
| 17) 2-Methylphenol            | 7.057  | 107  | 218750   | 40.923  | ng    | 97       |
| 18) Hexachloroethane          | 7.298  | 117  | 102195   | 39.126  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 189514   | 40.920  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 264784   | 39.650  | ng    | # 79     |
| 22) Acetophenone              | 7.204  | 105  | 379455   | 39.556  | ng    | 96       |
| 24) Nitrobenzene              | 7.380  | 77   | 286151   | 38.193  | ng    | 96       |
| 25) Isophorone                | 7.616  | 82   | 524985   | 38.575  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 146008   | 40.732  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.733  | 122  | 224177   | 51.369  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.828  | 93   | 317835   | 38.421  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.933  | 162  | 221829   | 39.483  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 237826   | 37.992  | ng    | 98       |
| 31) Naphthalene               | 8.092  | 128  | 792902   | 37.711  | ng    | 99       |
| 32) Benzoic acid              | 7.880  | 122  | 180937   | 42.850  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 183803   | 23.677  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 139469   | 36.670  | ng    | 98       |
| 35) Caprolactam               | 8.527  | 113  | 75473m   | 40.720  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 247496   | 39.129  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 500903   | 37.017  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 477768   | 35.988  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 238437   | 39.258  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.933  | 237  | 185845   | 94.991  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 158717   | 40.748  | ng    | 95       |

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 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
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 PB157565BS

Manual Integrations  
 APPROVED

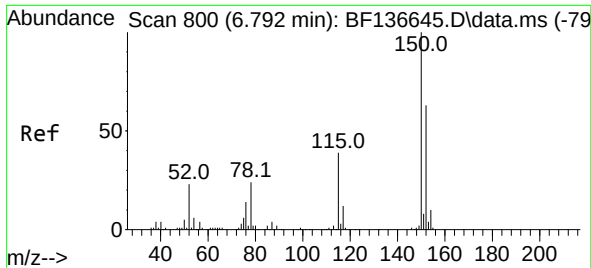
Reviewed By :Yogesh Patel 12/21/2023  
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 21 02:18:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 173752   | 40.030 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 630152   | 38.291 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.274  | 162  | 476247   | 38.067 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.374  | 65   | 160054   | 40.854 | ng    | 97       |
| 49) Acenaphthylene            | 9.692  | 152  | 776581   | 40.611 | ng    | 100      |
| 50) Dimethylphthalate         | 9.557  | 163  | 567591   | 39.624 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 126152   | 38.804 | ng    | 91       |
| 52) Acenaphthene              | 9.863  | 154  | 456296   | 38.494 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.792  | 138  | 112158   | 32.568 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 146739   | 81.375 | ng    | 93       |
| 55) Dibenzofuran              | 10.039 | 168  | 686170   | 38.187 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 189486   | 81.507 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.027 | 165  | 161340   | 38.229 | ng    | 95       |
| 58) Fluorene                  | 10.380 | 166  | 544867   | 38.216 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 145780   | 43.631 | ng    | 99       |
| 60) Diethylphthalate          | 10.263 | 149  | 583519   | 39.261 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.374 | 204  | 257909   | 37.216 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 121414m  | 36.572 | ng    |          |
| 63) Azobenzene                | 10.533 | 77   | 545030   | 39.262 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 91509    | 42.055 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 493811   | 40.037 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 163108   | 38.682 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.927 | 284  | 179324   | 38.162 | ng    | 96       |
| 69) Atrazine                  | 11.027 | 200  | 125267   | 39.709 | ng    | 98       |
| 70) Pentachlorophenol         | 11.127 | 266  | 157445   | 71.883 | ng    | 99       |
| 71) Phenanthrene              | 11.345 | 178  | 781882   | 40.134 | ng    | 98       |
| 72) Anthracene                | 11.398 | 178  | 776767   | 39.371 | ng    | 99       |
| 73) Carbazole                 | 11.557 | 167  | 713796   | 38.373 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 920094   | 40.536 | ng    | 100      |
| 75) Fluoranthene              | 12.539 | 202  | 802353   | 38.503 | ng    | 98       |
| 77) Benzidine                 | 12.663 | 184  | 33883    | 5.779  | ng    | 98       |
| 78) Pyrene                    | 12.768 | 202  | 807310   | 41.354 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 317019   | 44.629 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.962 | 228  | 558188   | 40.423 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 160153   | 40.839 | ng    | 98       |
| 83) Chrysene                  | 13.998 | 228  | 542914   | 40.205 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 397996   | 44.532 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.568 | 149  | 623334   | 45.088 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.950 | 276  | 553775   | 48.821 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 469788   | 44.772 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 455881   | 45.979 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 410822   | 46.383 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.974 | 278  | 467630   | 50.252 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 460626   | 48.329 | ng    | 98       |

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





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.792 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: BF136654.D  
 Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

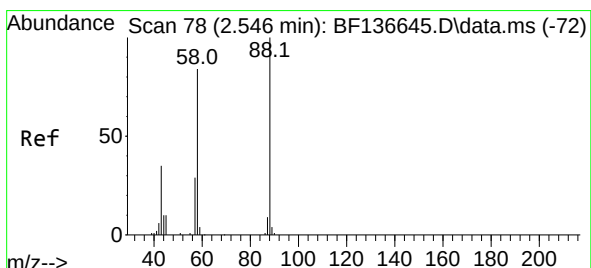
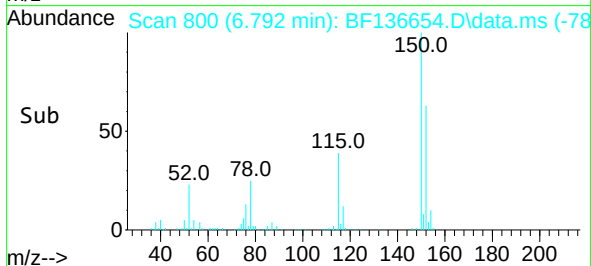
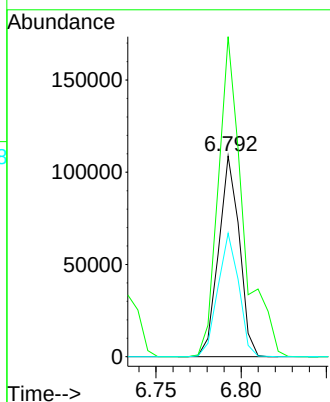
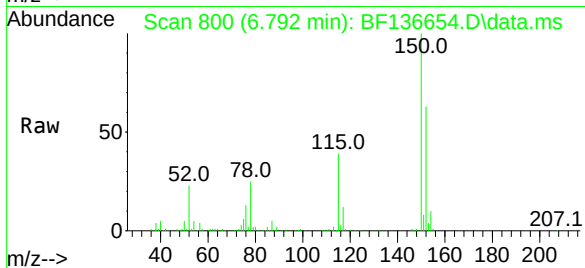
ClientSampleId :

PB157565BS

Tgt Ion:152 Resp: 9199  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 127.0 190.6  
 115 61.5 49.0 73.4

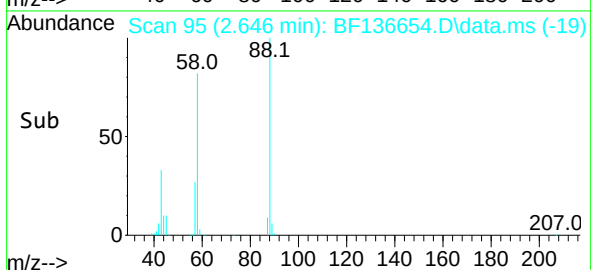
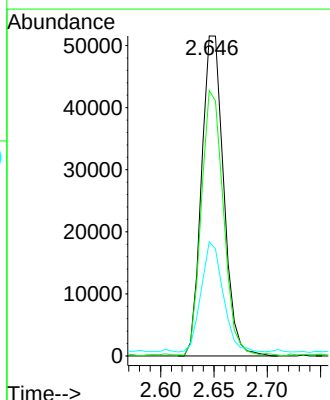
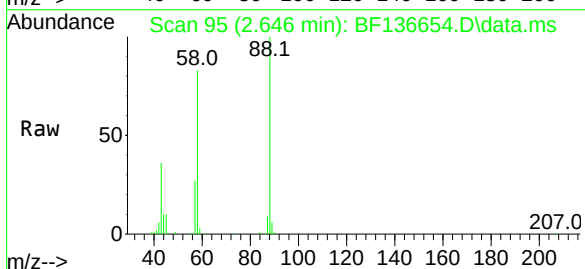
Manual Integrations  
 APPROVED

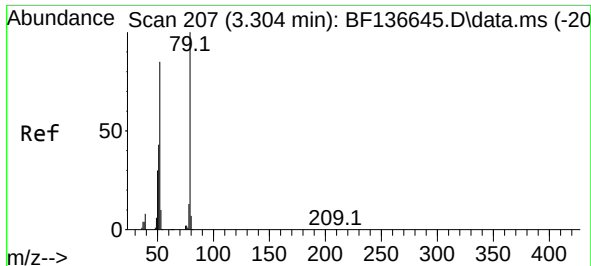
Reviewed By :Yogesh Patel 12/21/2023  
 Supervised By :mohammad ahmed 12/21/2023



#2  
 1,4-Dioxane  
 Concen: 30.283 ng  
 RT: 2.646 min Scan# 95  
 Delta R.T. 0.100 min  
 Lab File: BF136654.D  
 Acq: 20 Dec 2023 18:33

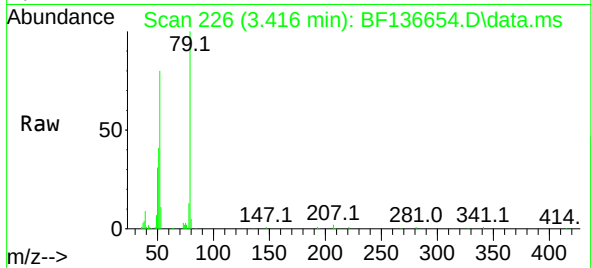
Tgt Ion: 88 Resp: 74396  
 Ion Ratio Lower Upper  
 88 100  
 58 83.5 67.4 101.0  
 43 34.3 27.7 41.5





#3  
Pyridine  
Concen: 30.045 ng  
RT: 3.416 min Scan# 21  
Delta R.T. 0.112 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

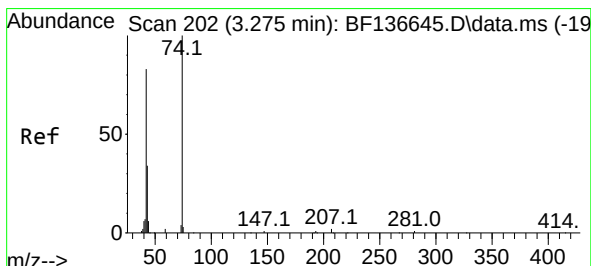
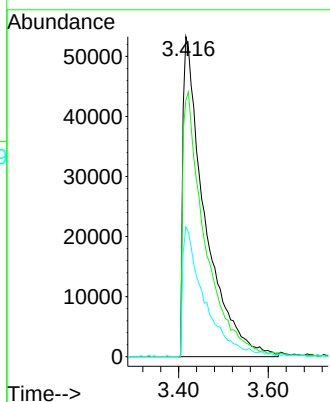
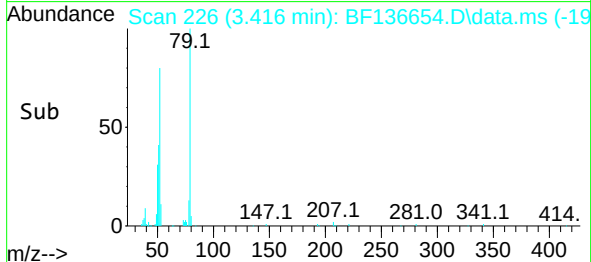
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



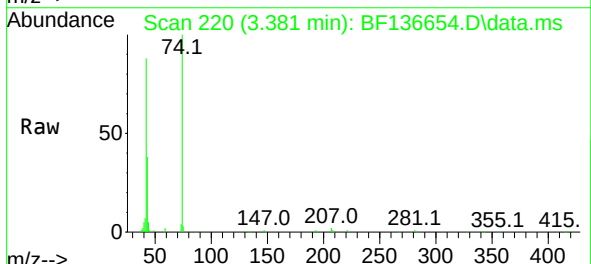
Tgt Ion: 79 Resp: 18009  
Ion Ratio Lower Upper  
79 100  
52 80.2 67.7 101.5  
51 40.5 34.0 51.0

Manual Integrations  
APPROVED

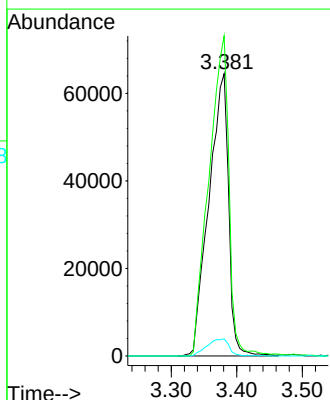
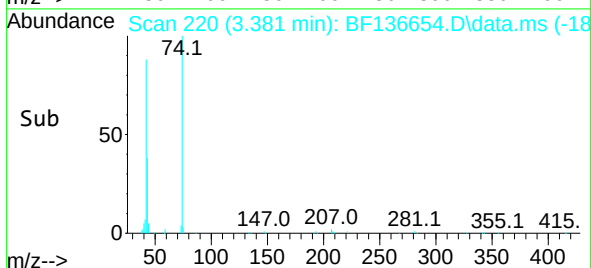
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

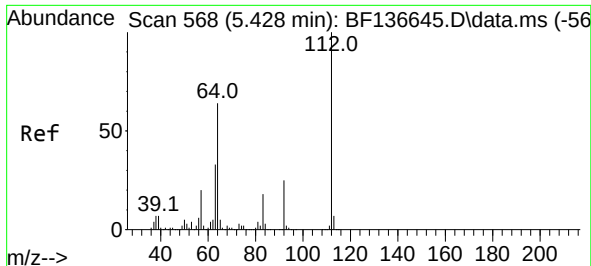


#4  
n-Nitrosodimethylamine  
Concen: 41.976 ng  
RT: 3.381 min Scan# 220  
Delta R.T. 0.106 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion: 42 Resp: 134363  
Ion Ratio Lower Upper  
42 100  
74 113.4 96.0 144.0  
44 6.1 5.4 8.2





#5  
2-Fluorophenol  
Concen: 119.847 ng  
RT: 5.445 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

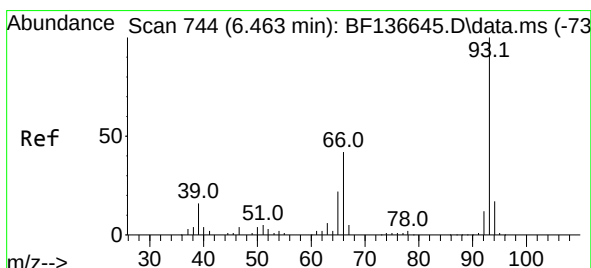
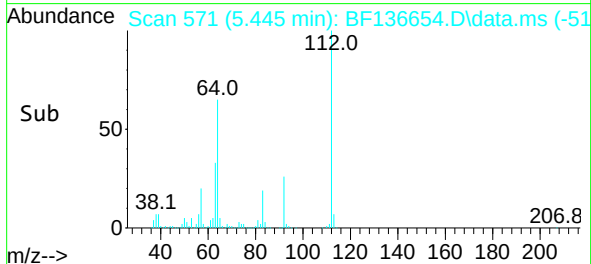
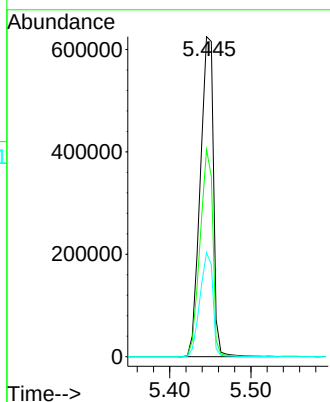
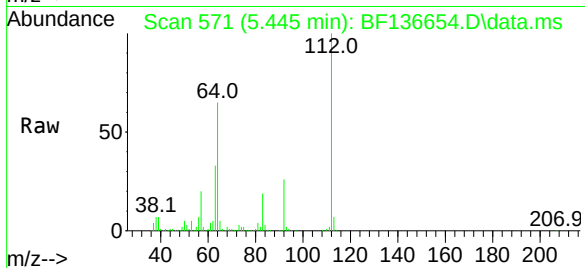
PB157565BS

Tgt Ion:112 Resp: 706638  
Ion Ratio Lower Upper  
112 100  
64 64.7 51.1 76.7  
63 32.6 26.1 39.1

Manual Integrations

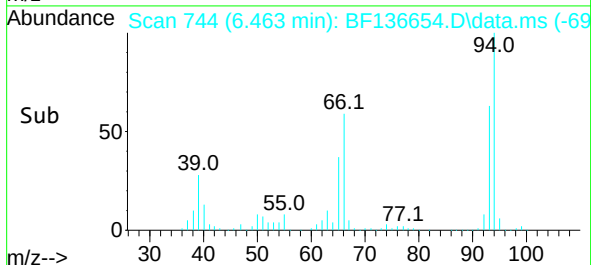
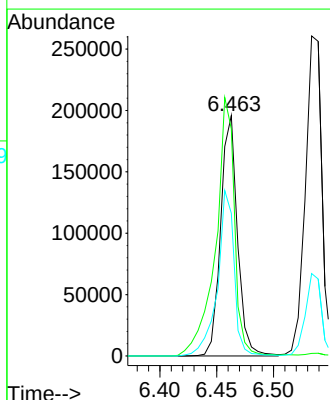
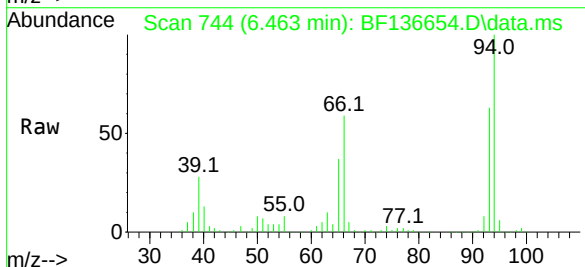
APPROVED

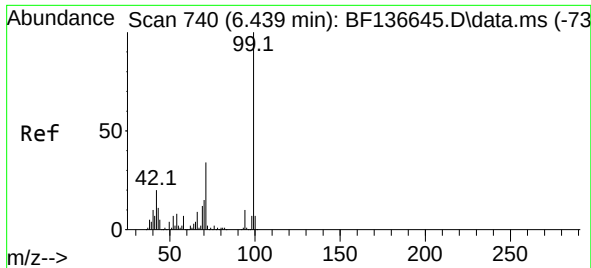
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#6  
Aniline  
Concen: 26.491 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion: 93 Resp: 202355  
Ion Ratio Lower Upper  
93 100  
66 94.4 34.6 51.8#  
65 59.4 17.8 26.8#





#7

Phenol-d6

Concen: 114.892 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

Tgt Ion: 99 Resp: 87777

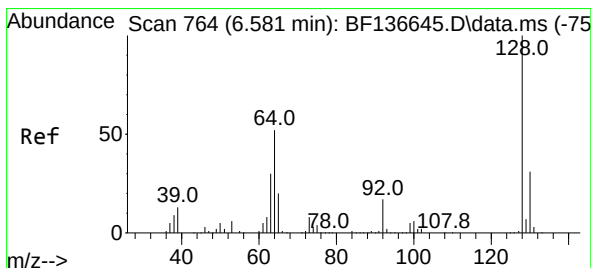
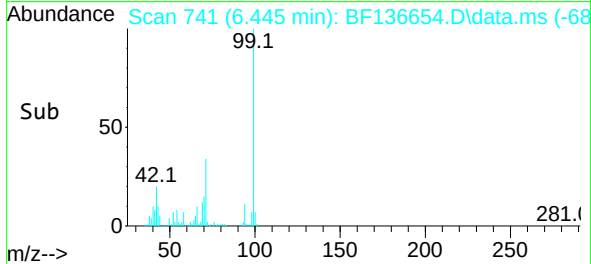
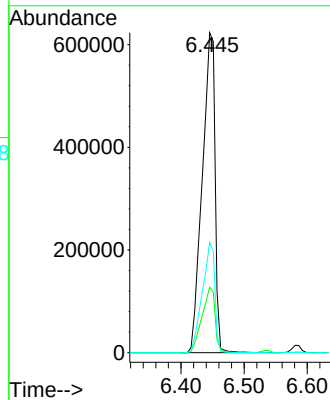
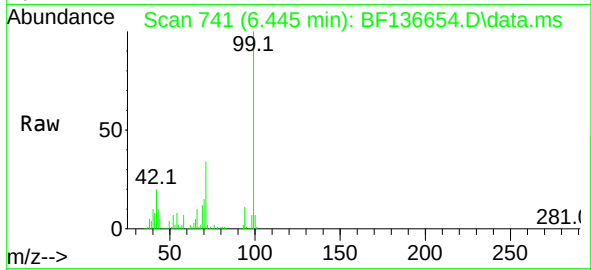
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.4  | 16.1  | 24.1  |
| 71  | 34.4  | 27.4  | 41.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#8

2-Chlorophenol

Concen: 43.146 ng

RT: 6.586 min Scan# 765

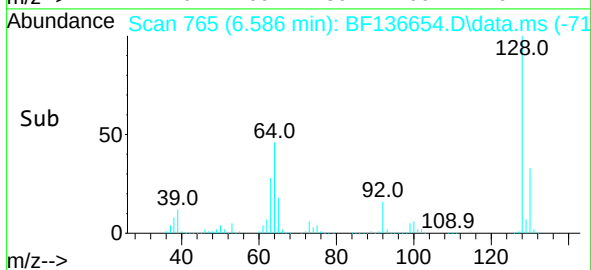
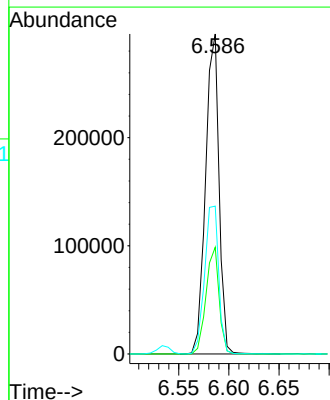
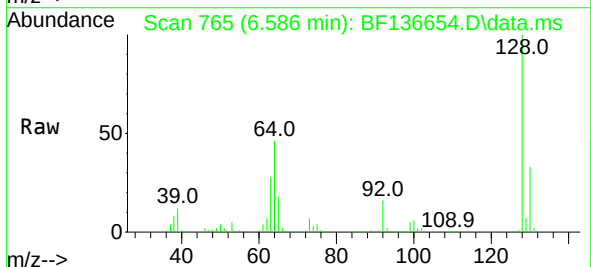
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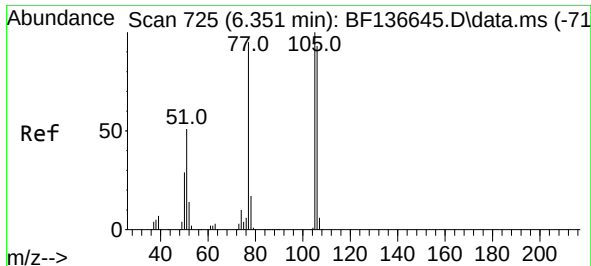
Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Tgt Ion:128 Resp: 278397

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.4  | 11.3  | 51.3  |
| 64  | 46.2  | 32.5  | 72.5  |





#9

Benzaldehyde

Concen: 17.111 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136654.D

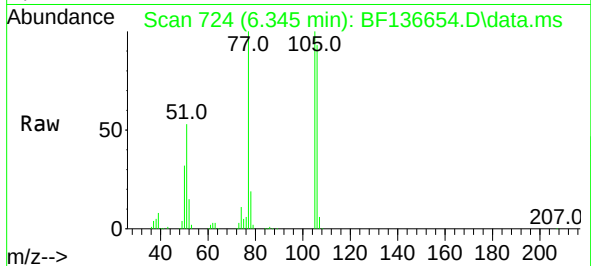
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

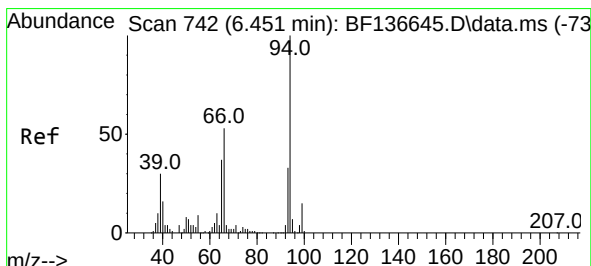
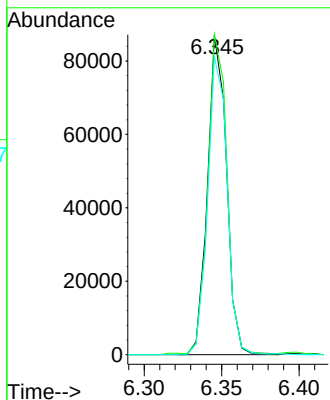
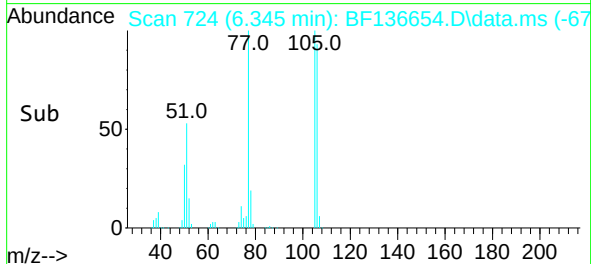
PB157565BS



|             |                  |
|-------------|------------------|
| Tgt Ion: 77 | Resp: 7435       |
| Ion Ratio   | Lower Upper      |
| 77          | 100              |
| 105         | 100.1 84.8 124.8 |
| 106         | 93.2 77.8 117.8  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#10

Phenol

Concen: 39.848 ng

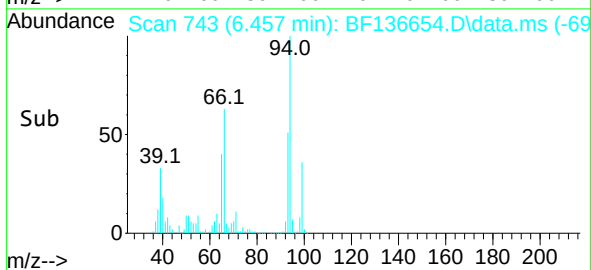
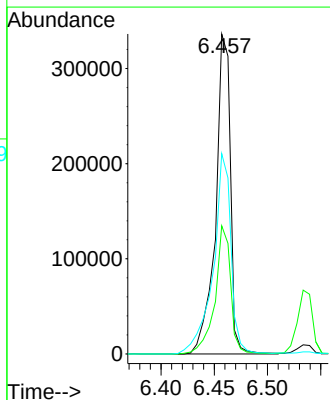
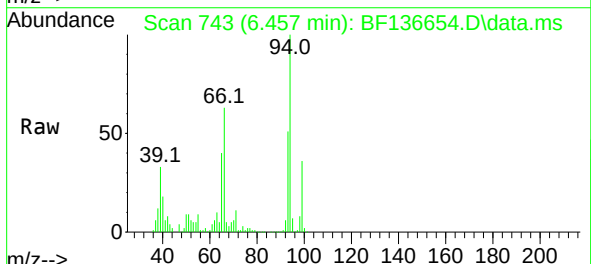
RT: 6.457 min Scan# 743

Delta R.T. 0.006 min

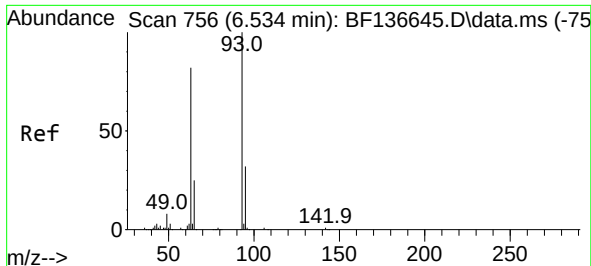
Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

|             |                |
|-------------|----------------|
| Tgt Ion: 94 | Resp: 324993   |
| Ion Ratio   | Lower Upper    |
| 94          | 100            |
| 65          | 40.1 16.6 56.6 |
| 66          | 62.6 32.6 72.6 |

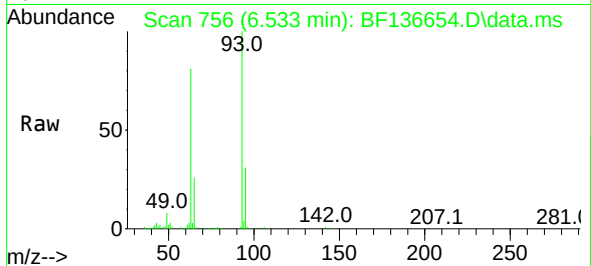






#11  
bis(2-Chloroethyl)ether  
Concen: 42.274 ng  
RT: 6.533 min Scan# 756  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

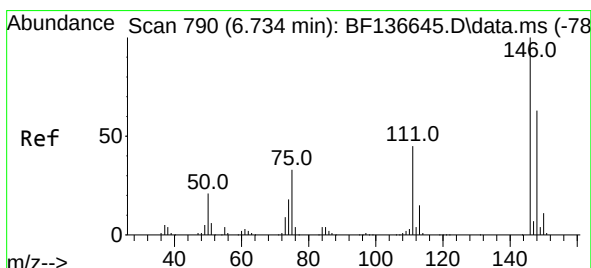
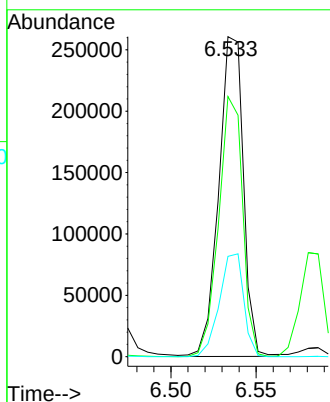
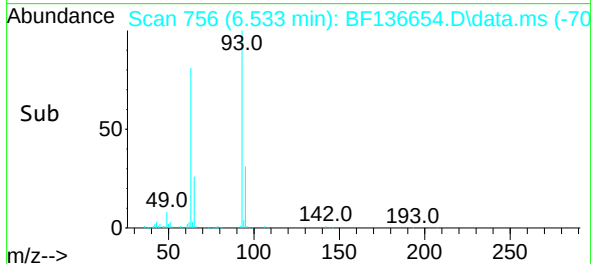
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



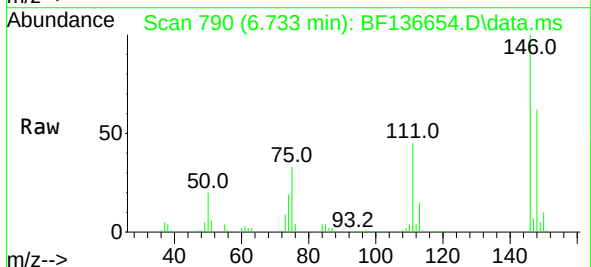
Tgt Ion: 93 Resp: 262199  
Ion Ratio Lower Upper  
93 100  
63 81.3 61.2 101.2  
95 31.4 11.6 51.6

Manual Integrations  
APPROVED

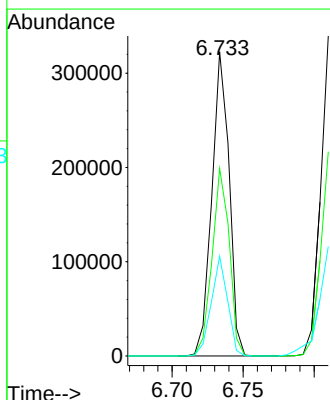
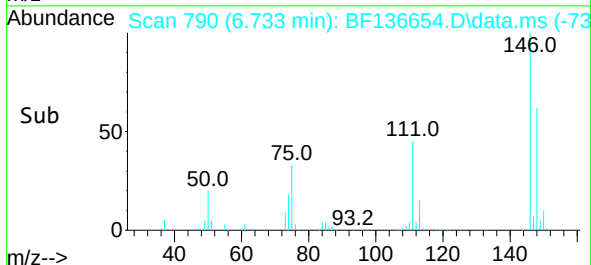
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

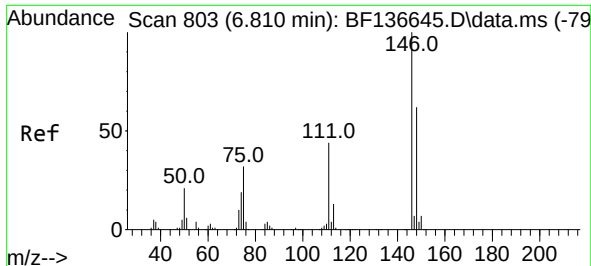


#12  
1,3-Dichlorobenzene  
Concen: 38.825 ng  
RT: 6.733 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:146 Resp: 273283  
Ion Ratio Lower Upper  
146 100  
148 61.7 50.5 75.7  
75 32.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 38.205 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

Tgt Ion:146 Resp: 274778

Ion Ratio Lower Upper

146 100

148 63.9 49.2 73.8

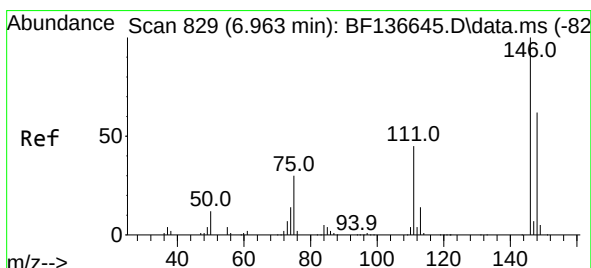
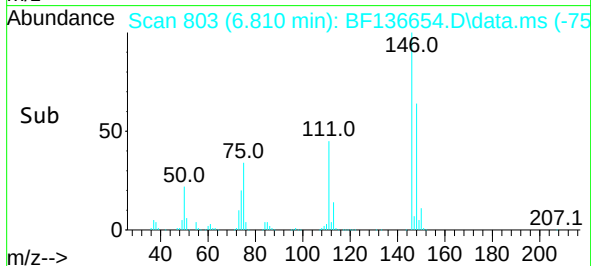
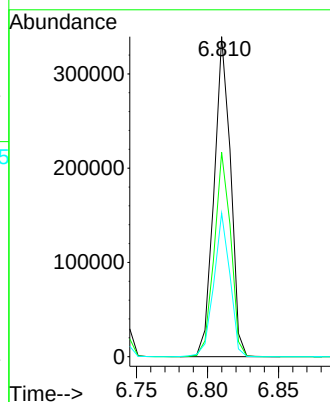
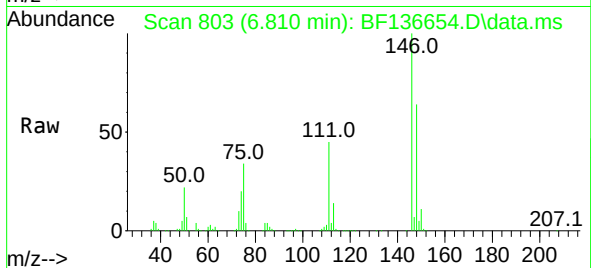
111 44.9 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#14

1,2-Dichlorobenzene

Concen: 39.934 ng

RT: 6.963 min Scan# 829

Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

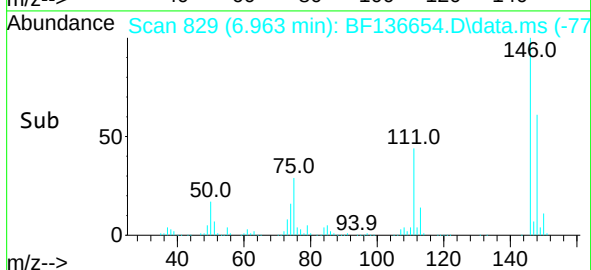
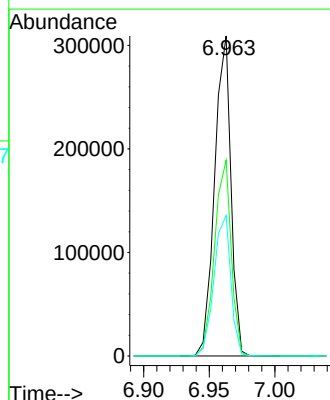
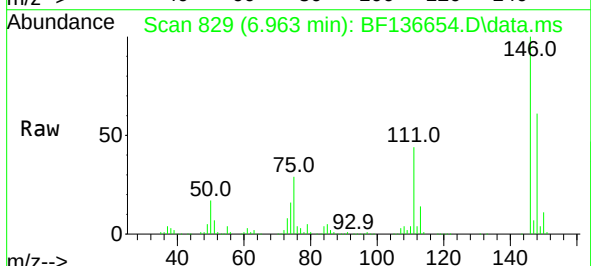
Tgt Ion:146 Resp: 267255

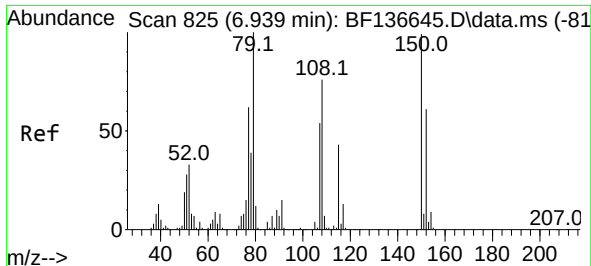
Ion Ratio Lower Upper

146 100

148 61.2 49.6 74.4

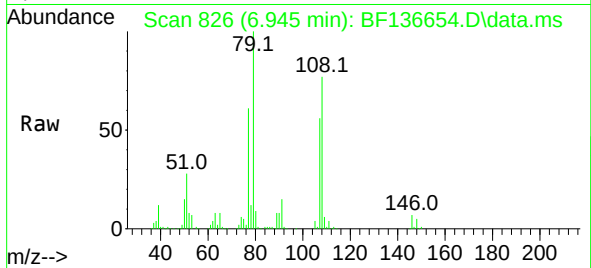
111 43.9 36.2 54.2





#15  
Benzyl Alcohol  
Concen: 42.939 ng  
RT: 6.945 min Scan# 825  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

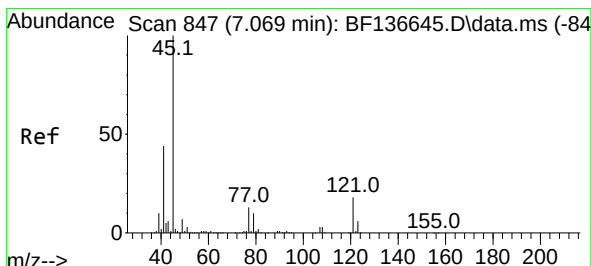
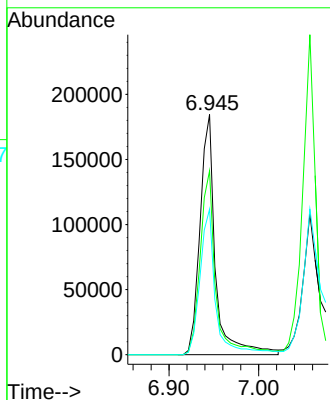
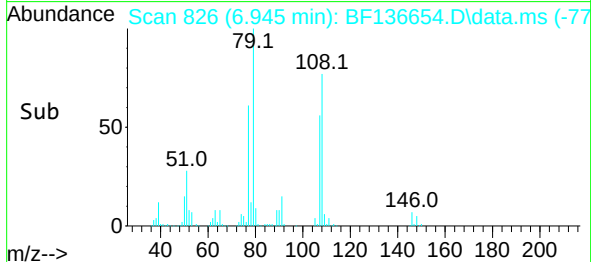
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



Tgt Ion: 79 Resp: 221318  
Ion Ratio Lower Upper  
79 100  
108 76.6 61.0 91.6  
77 60.5 49.8 74.8

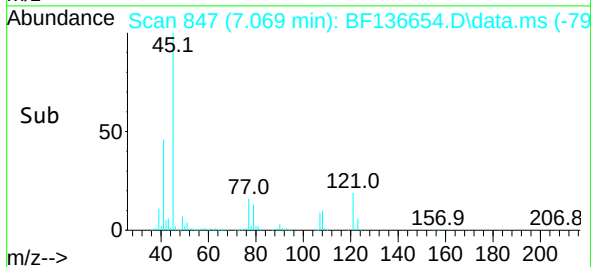
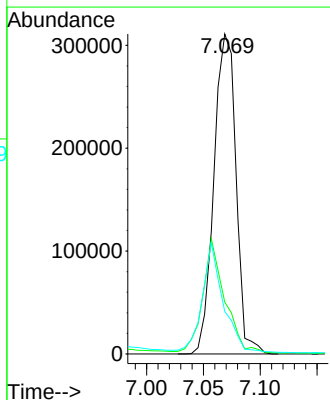
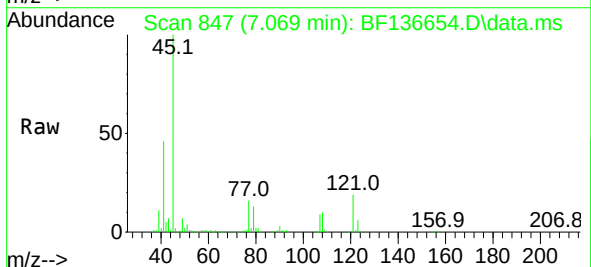
Manual Integrations  
APPROVED

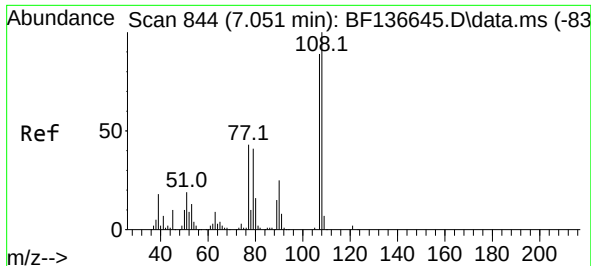
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.502 ng  
RT: 7.069 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion: 45 Resp: 420852  
Ion Ratio Lower Upper  
45 100  
77 16.2 0.0 34.3  
79 13.3 0.0 31.4





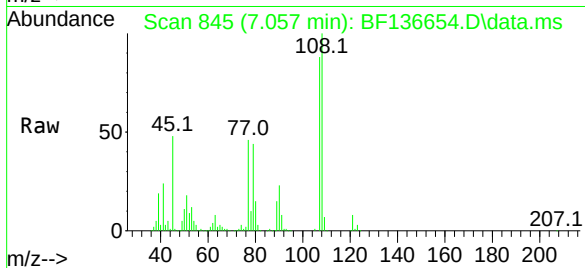
#17  
2-Methylphenol  
Concen: 40.923 ng  
RT: 7.057 min Scan# 844  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

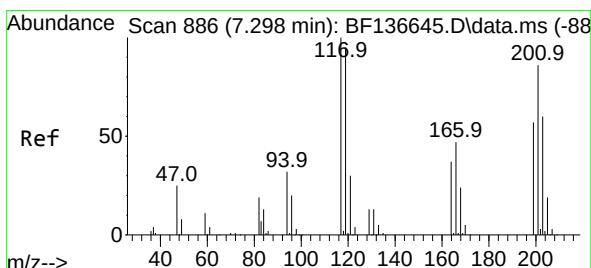
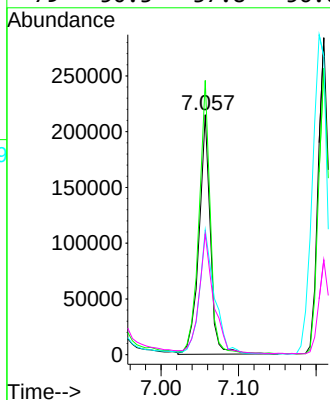
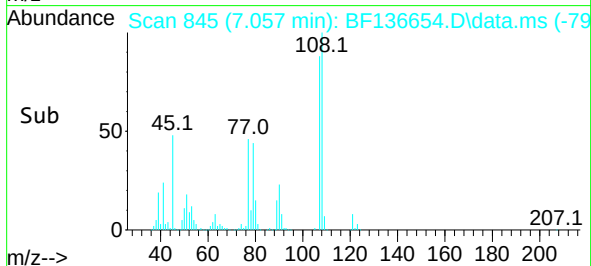


Tgt Ion:107 Resp: 218750  
Ion Ratio Lower Upper  
107 100  
108 114.3 90.3 135.5  
77 52.0 38.7 58.1  
79 50.3 37.8 56.6

Manual Integrations

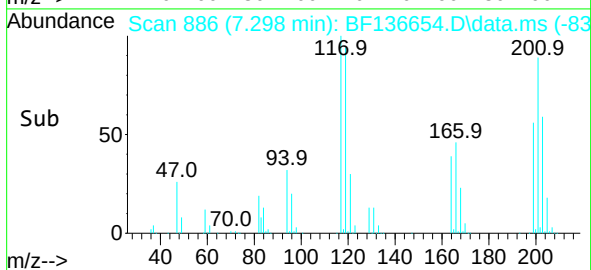
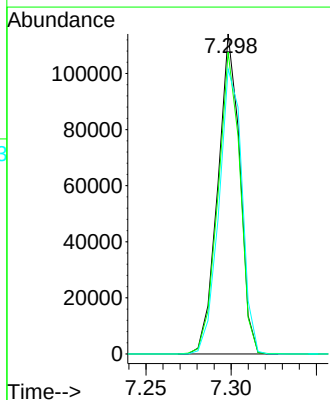
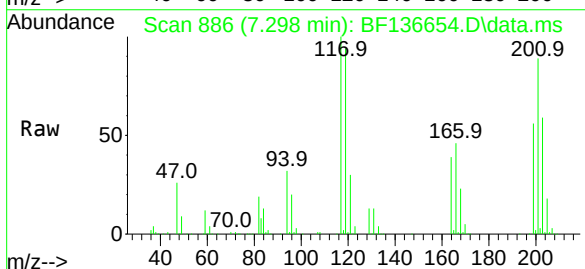
APPROVED

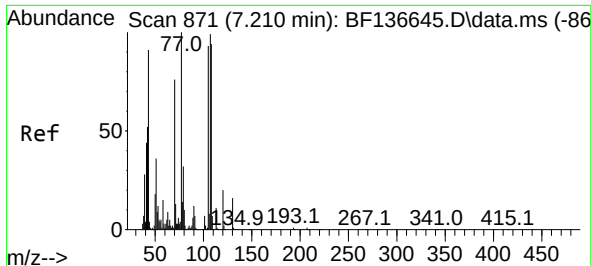
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#18  
Hexachloroethane  
Concen: 39.126 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:117 Resp: 102195  
Ion Ratio Lower Upper  
117 100  
119 94.4 75.8 113.6  
201 89.1 69.1 103.7





#19

n-Nitroso-di-n-propylamine

Concen: 40.920 ng

RT: 7.216 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF136654.D

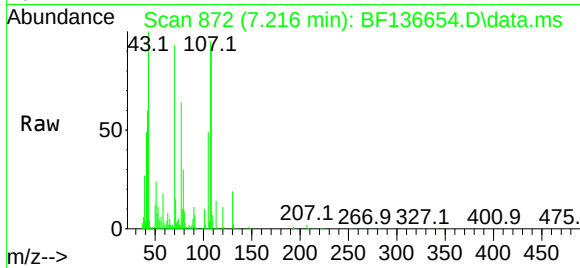
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS



Tgt Ion: 70 Resp: 189514

Ion Ratio Lower Upper

70 100

42 64.6 54.2 81.4

101 10.2 7.6 11.4

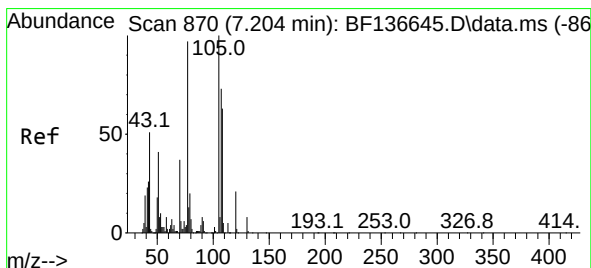
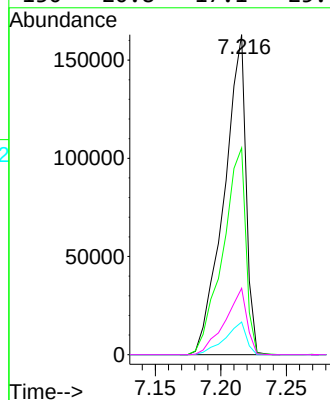
130 20.8 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#20

3+4-Methylphenols

Concen: 39.650 ng

RT: 7.210 min Scan# 871

Delta R.T. 0.006 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Tgt Ion:107 Resp: 264784

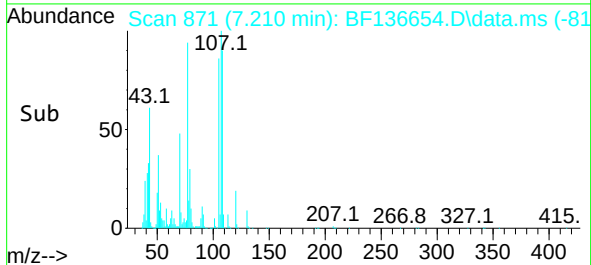
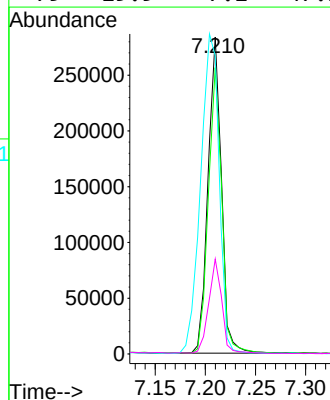
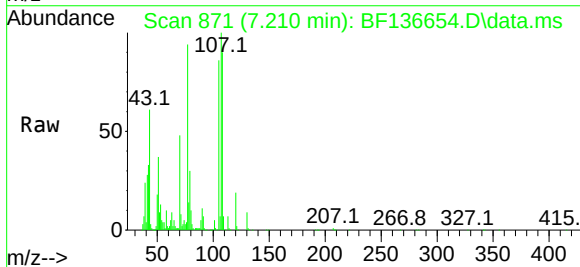
Ion Ratio Lower Upper

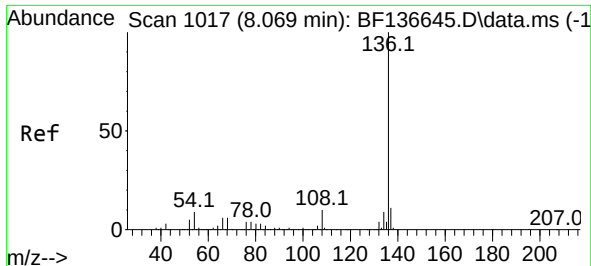
107 100

108 90.4 66.0 106.0

77 94.1 114.2 154.2#

79 29.9 7.2 47.2





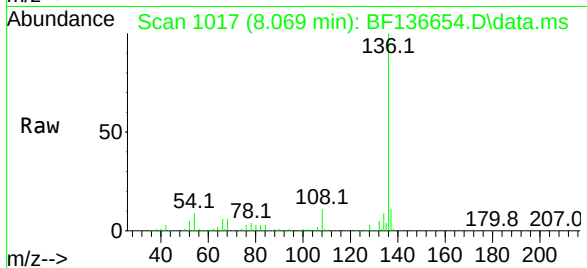
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

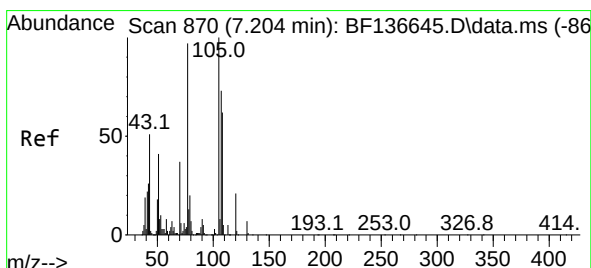
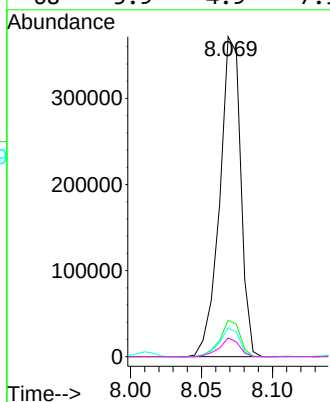
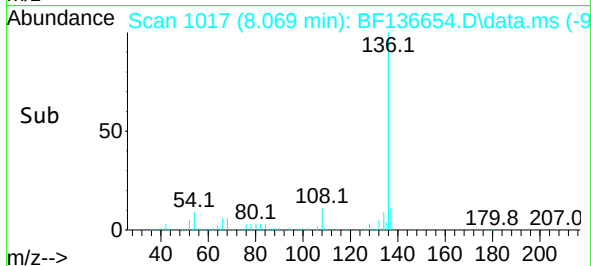


Tgt Ion:136 Resp: 382722  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.4  
54 8.9 7.2 10.8  
68 5.9 4.9 7.3

Manual Integrations

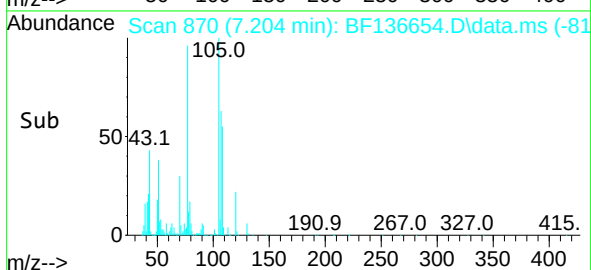
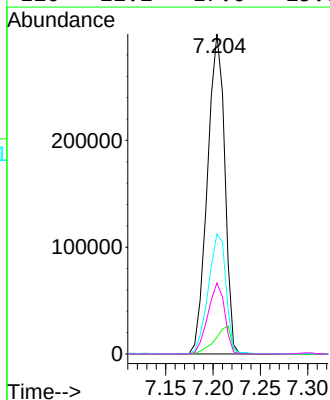
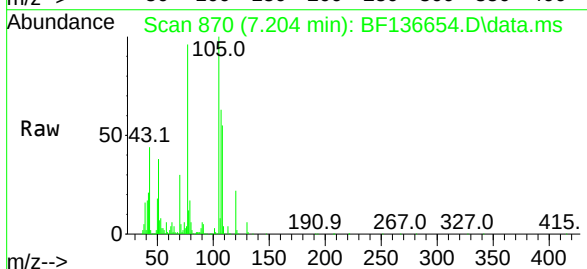
APPROVED

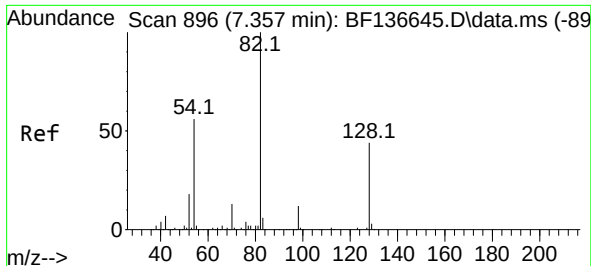
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#22  
Acetophenone  
Concen: 39.556 ng  
RT: 7.204 min Scan# 870  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:105 Resp: 379455  
Ion Ratio Lower Upper  
105 100  
71 5.2 4.8 7.2  
51 37.5 32.8 49.2  
120 22.2 17.0 25.6





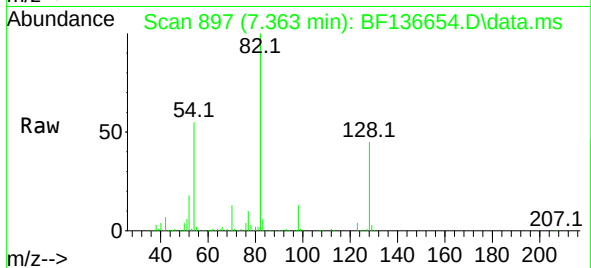
#23  
Nitrobenzene-d5  
Concen: 73.820 ng  
RT: 7.363 min Scan# 896  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

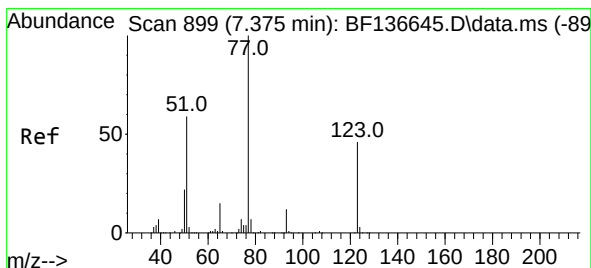
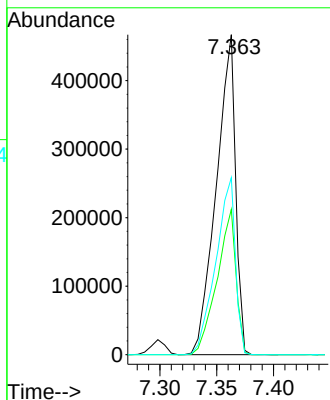
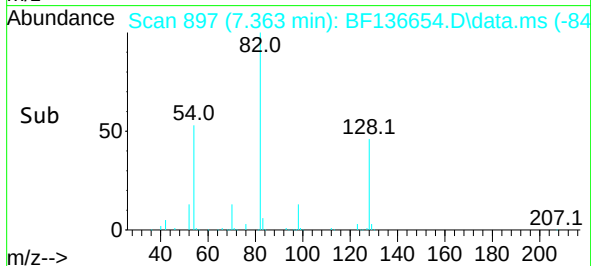
PB157565BS



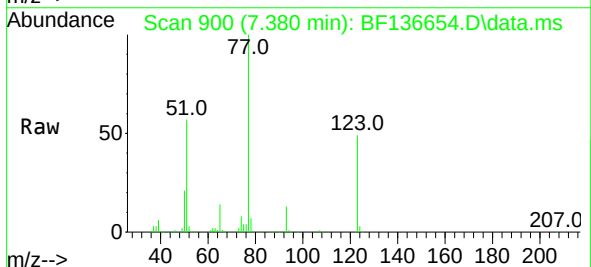
Tgt Ion: 82 Resp: 552118  
Ion Ratio Lower Upper  
82 100  
128 45.4 35.3 52.9  
54 55.3 44.5 66.7

Manual Integrations  
APPROVED

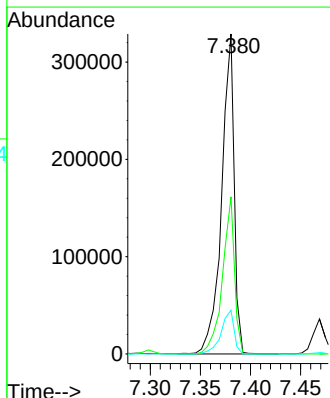
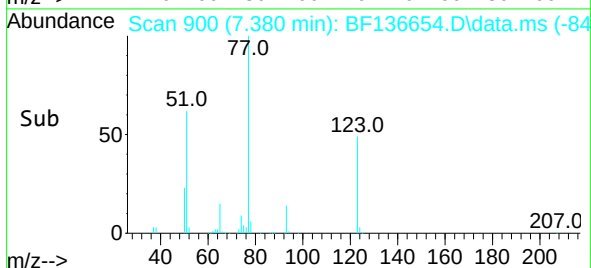
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

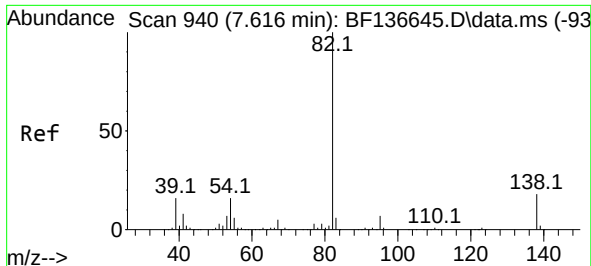


#24  
Nitrobenzene  
Concen: 38.193 ng  
RT: 7.380 min Scan# 900  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



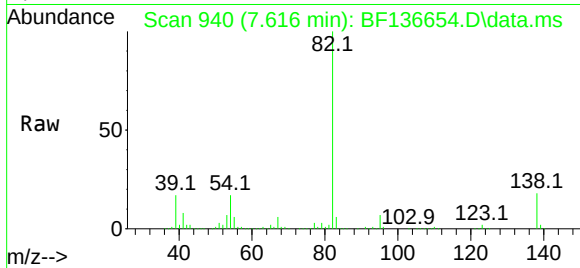
Tgt Ion: 77 Resp: 286151  
Ion Ratio Lower Upper  
77 100  
123 49.1 36.7 55.1  
65 13.7 11.8 17.6





#25  
Isophorone  
Concen: 38.575 ng  
RT: 7.616 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

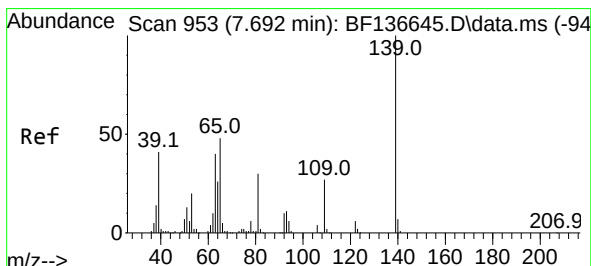
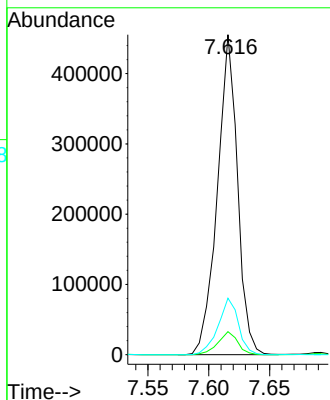
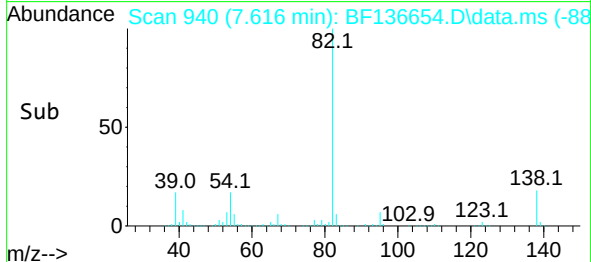
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



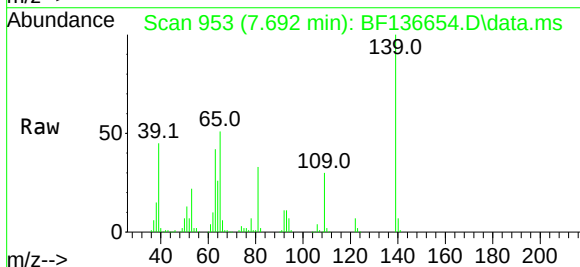
Tgt Ion: 82 Resp: 52498  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 17.6 14.5 21.7

Manual Integrations  
APPROVED

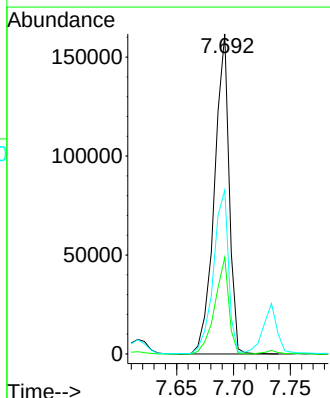
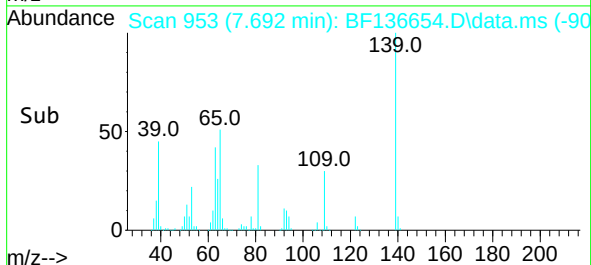
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



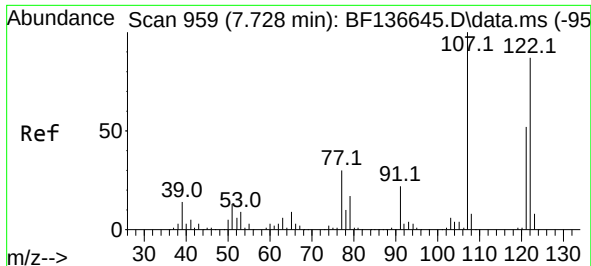
#26  
2-Nitrophenol  
Concen: 40.732 ng  
RT: 7.692 min Scan# 953  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:139 Resp: 146008  
Ion Ratio Lower Upper  
139 100  
109 30.1 21.9 32.9  
65 51.2 38.6 58.0







#27

2,4-Dimethylphenol

Concen: 51.369 ng

RT: 7.733 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

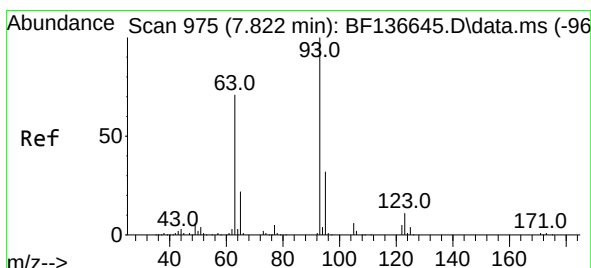
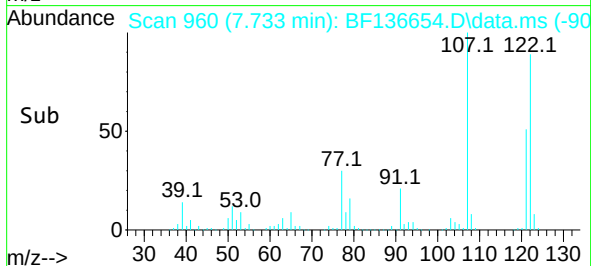
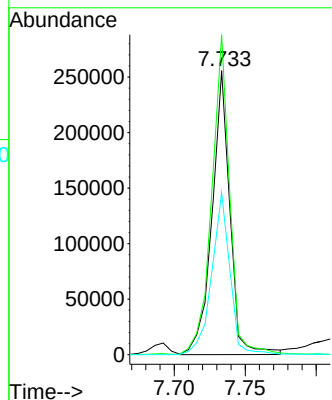
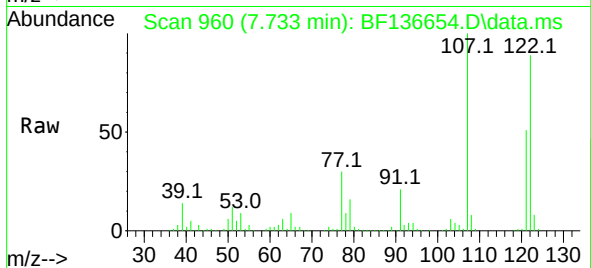
Tgt Ion:122 Resp: 22417  
 Ion Ratio Lower Upper  
 122 100  
 107 112.7 92.0 138.0  
 121 57.1 47.5 71.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#28

bis(2-Chloroethoxy)methane

Concen: 38.421 ng

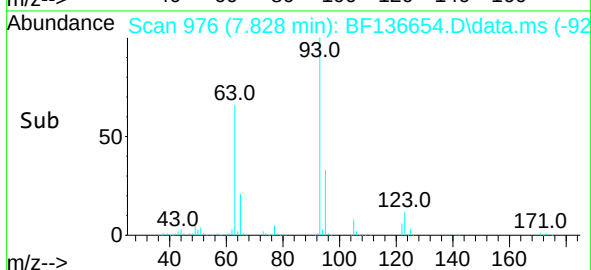
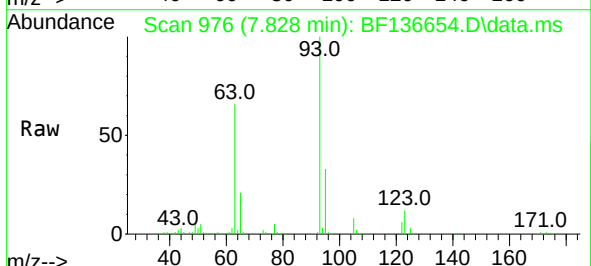
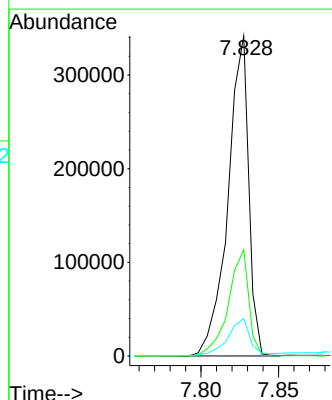
RT: 7.828 min Scan# 976

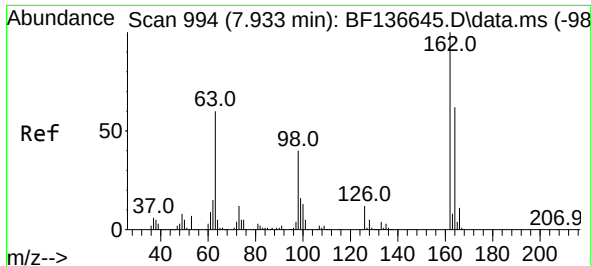
Delta R.T. 0.006 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Tgt Ion: 93 Resp: 317835  
 Ion Ratio Lower Upper  
 93 100  
 95 33.2 25.5 38.3  
 123 11.6 9.2 13.8





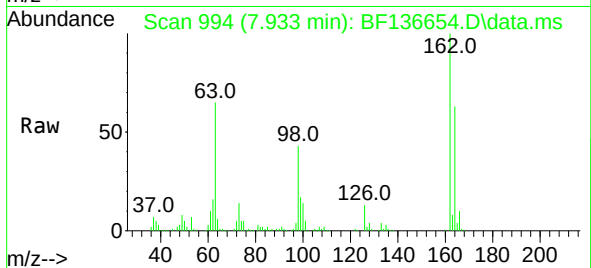
#29  
2,4-Dichlorophenol  
Concen: 39.483 ng  
RT: 7.933 min Scan# 994  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

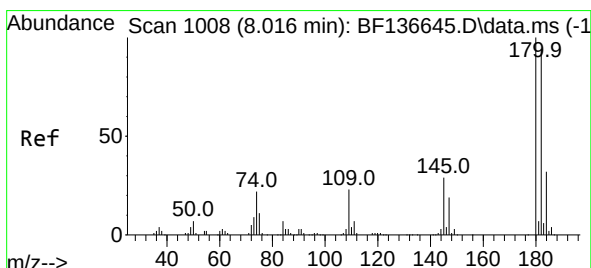
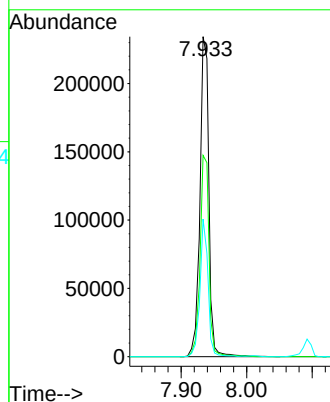
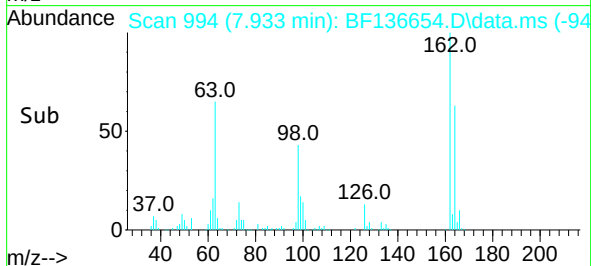


Tgt Ion:162 Resp: 221829  
Ion Ratio Lower Upper  
162 100  
164 62.9 41.7 81.7  
98 43.0 19.5 59.5

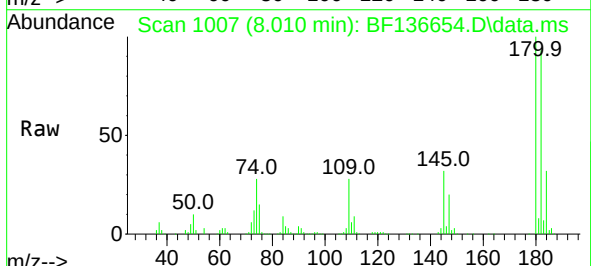
Manual Integrations

APPROVED

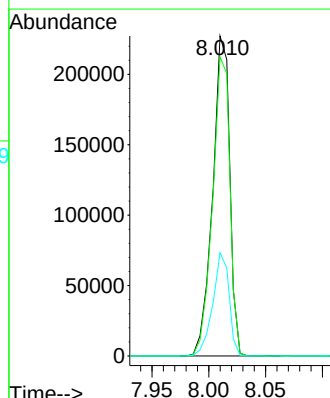
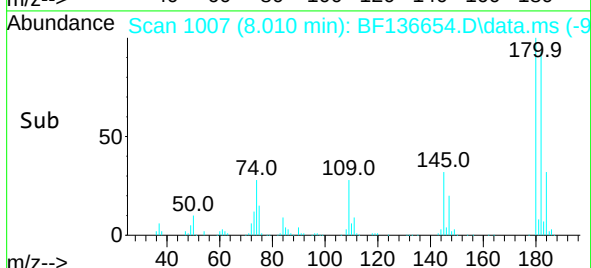
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

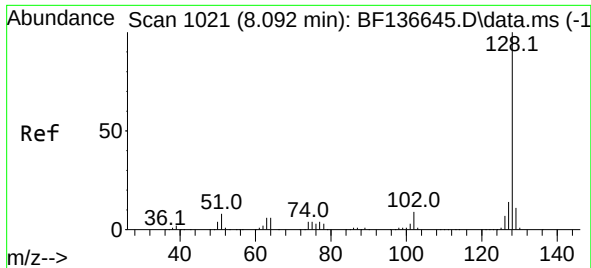


#30  
1,2,4-Trichlorobenzene  
Concen: 37.992 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. -0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:180 Resp: 237826  
Ion Ratio Lower Upper  
180 100  
182 93.4 75.4 113.0  
145 32.2 23.1 34.7





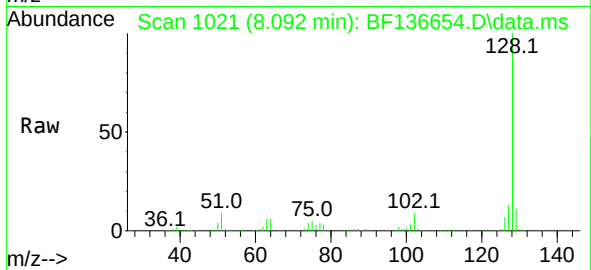
#31  
Naphthalene  
Concen: 37.711 ng  
RT: 8.092 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

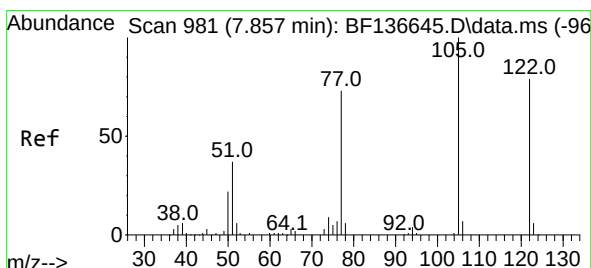
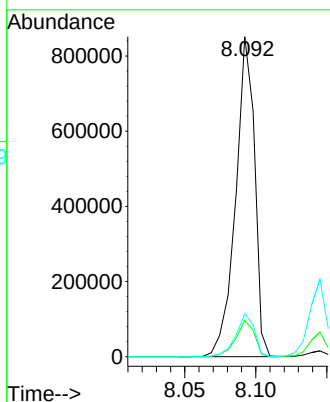
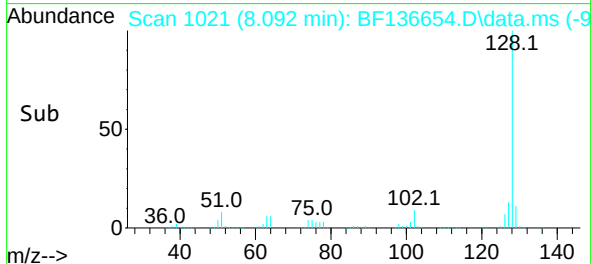


Tgt Ion:128 Resp: 792902  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.7 13.1  
127 13.4 10.8 16.2

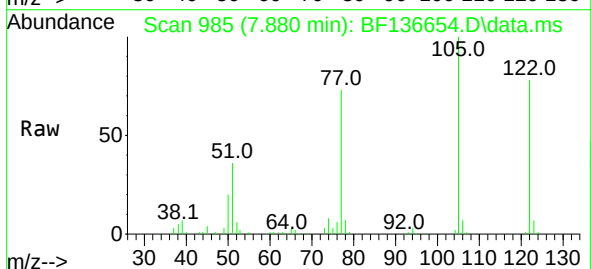
Manual Integrations

APPROVED

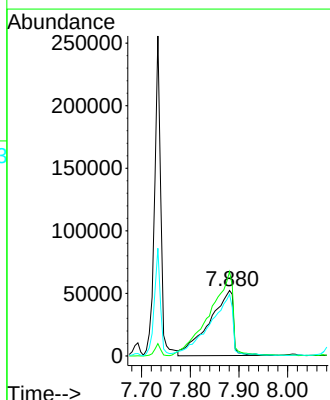
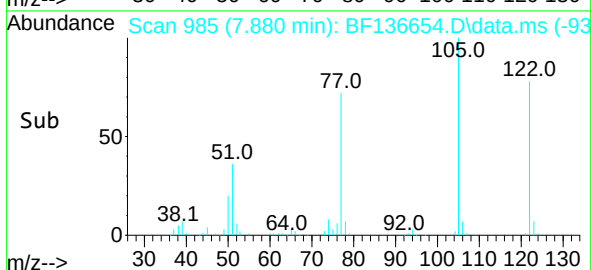
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

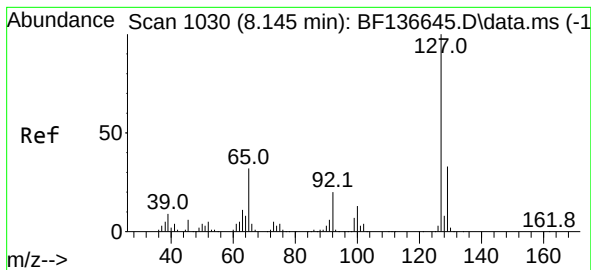


#32  
Benzoic acid  
Concen: 42.850 ng  
RT: 7.880 min Scan# 985  
Delta R.T. 0.024 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:122 Resp: 180937  
Ion Ratio Lower Upper  
122 100  
105 128.9 100.8 140.8  
77 94.0 70.9 110.9





#33  
4-Chloroaniline  
Concen: 23.677 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

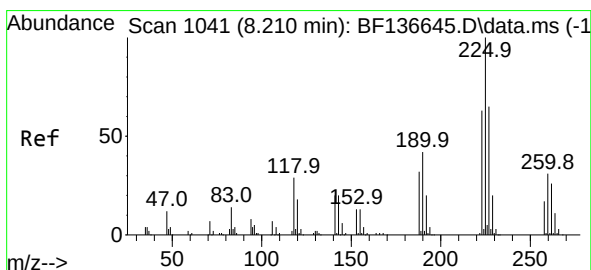
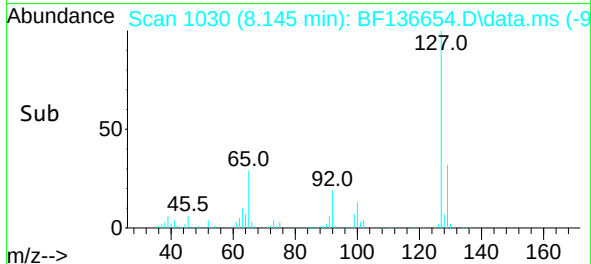
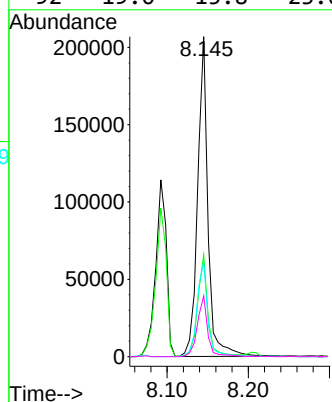
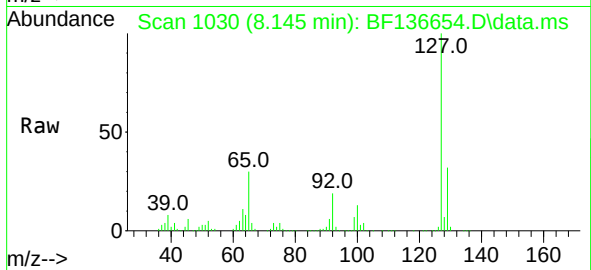
PB157565BS

Tgt Ion:127 Resp: 18380  
Ion Ratio Lower Upper  
127 100  
129 31.8 26.3 39.5  
65 29.7 25.8 38.8  
92 19.0 15.8 23.6

Manual Integrations

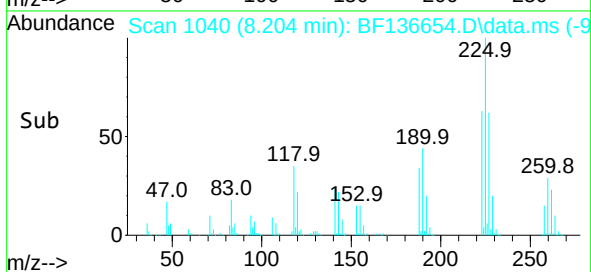
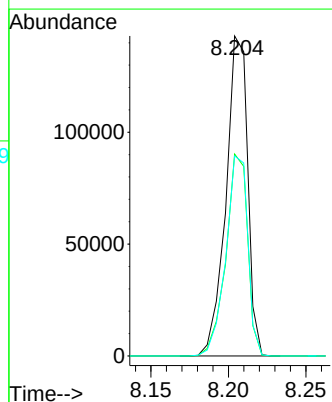
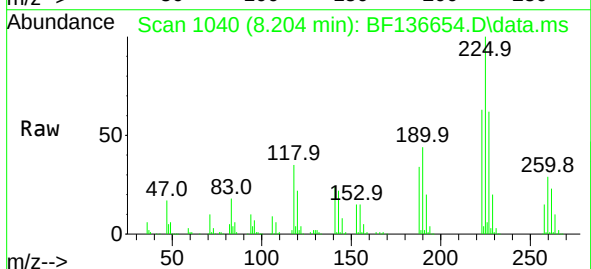
APPROVED

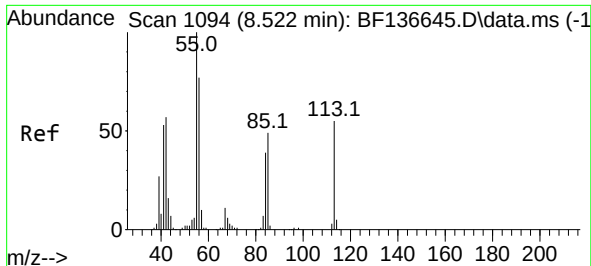
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#34  
Hexachlorobutadiene  
Concen: 36.670 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

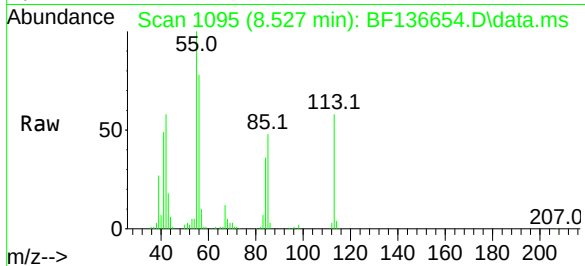
Tgt Ion:225 Resp: 139469  
Ion Ratio Lower Upper  
225 100  
223 63.1 50.6 76.0  
227 62.5 51.9 77.9





#35  
Caprolactam  
Concen: 40.720 ng m  
RT: 8.527 min Scan# 1094  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

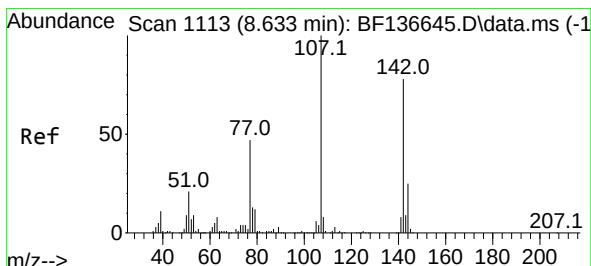
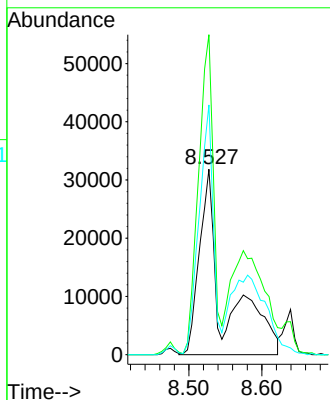
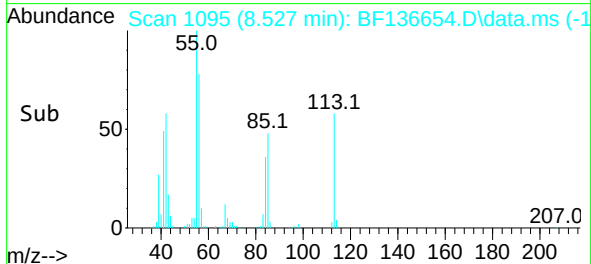
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



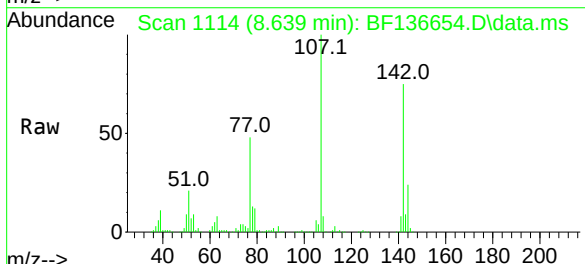
Tgt Ion:113 Resp: 7547  
Ion Ratio Lower Upper  
113 100  
55 172.6 163.1 203.1  
56 134.7 121.7 161.7

Manual Integrations  
APPROVED

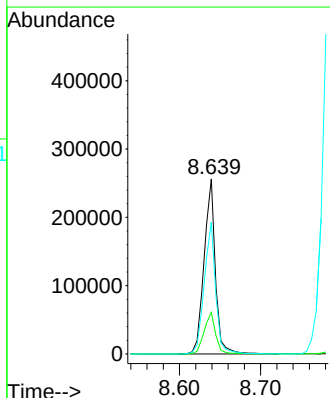
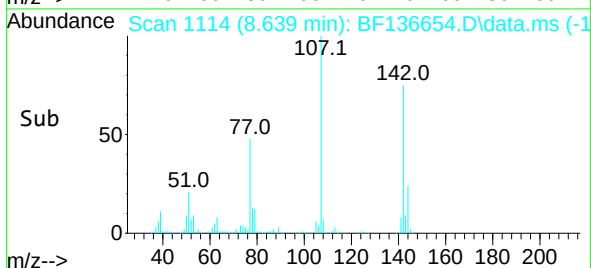
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

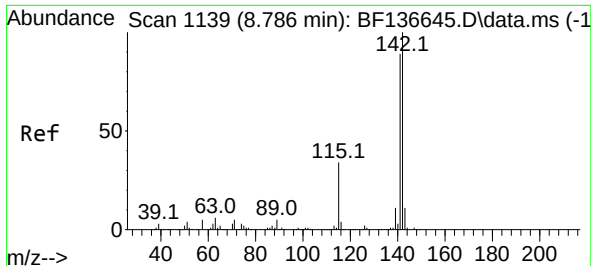


#36  
4-Chloro-3-methylphenol  
Concen: 39.129 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:107 Resp: 247496  
Ion Ratio Lower Upper  
107 100  
144 23.8 20.2 30.2  
142 75.3 62.3 93.5





#37  
2-Methylnaphthalene  
Concen: 37.017 ng  
RT: 8.786 min Scan# 1139  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

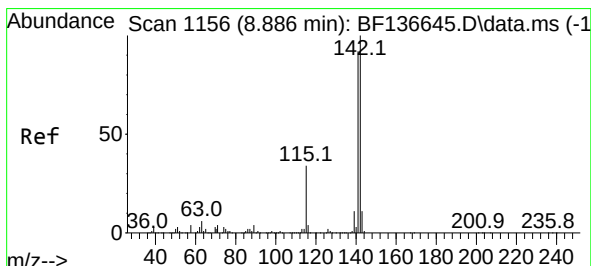
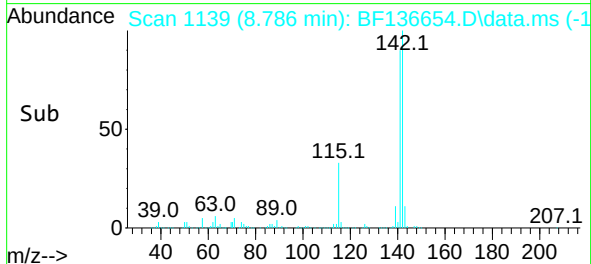
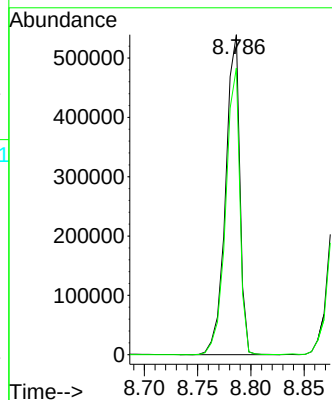
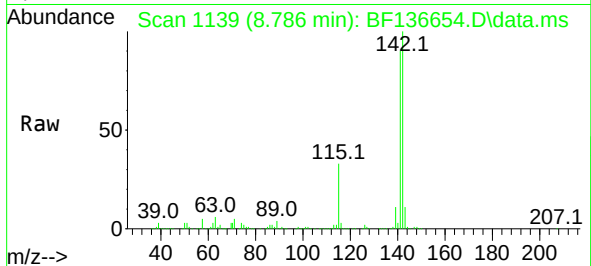
ClientSampleId :

PB157565BS

Tgt Ion:142 Resp: 50090  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.1 106.7

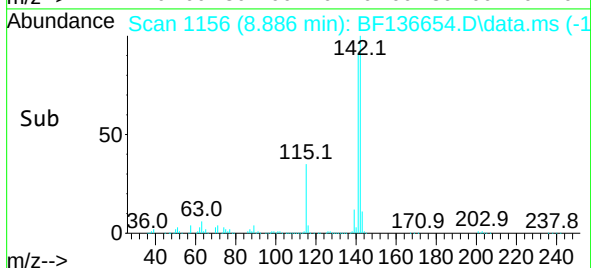
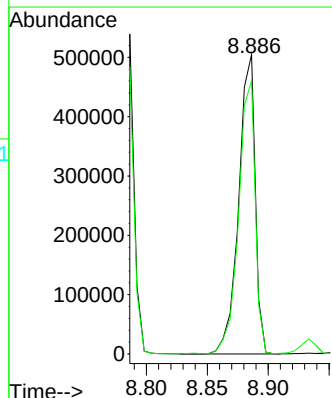
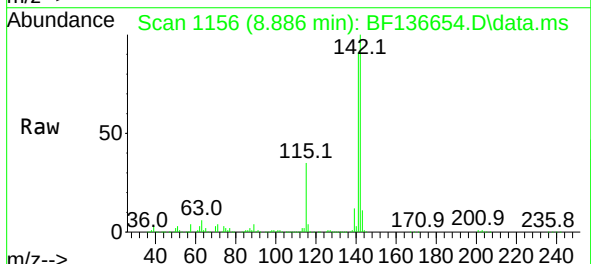
Manual Integrations  
APPROVED

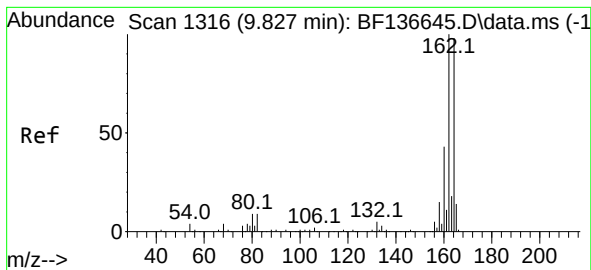
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#38  
1-Methylnaphthalene  
Concen: 35.988 ng  
RT: 8.886 min Scan# 1156  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:142 Resp: 477768  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

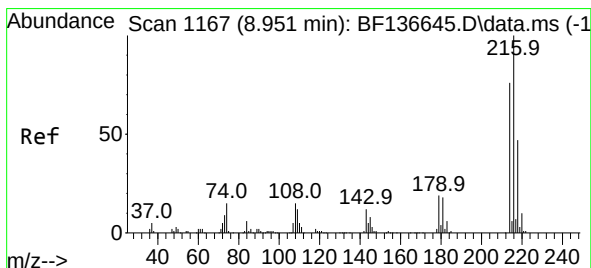
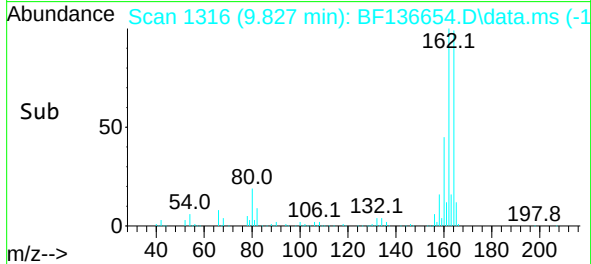
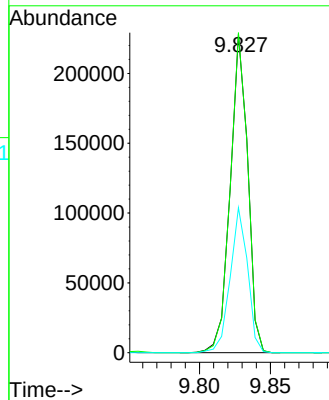
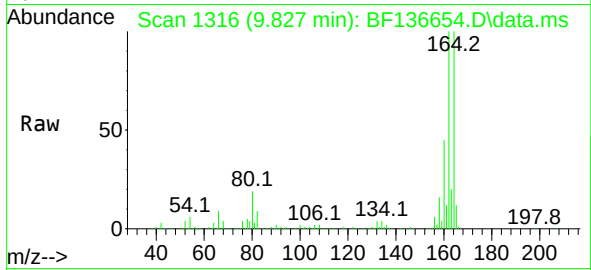
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 19611      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 100.5 | 81.6 122.4 |
| 160         | 45.5  | 34.9 52.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.258 ng

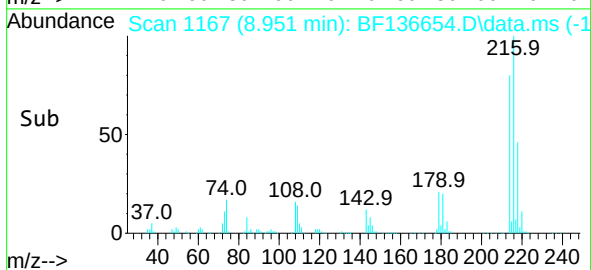
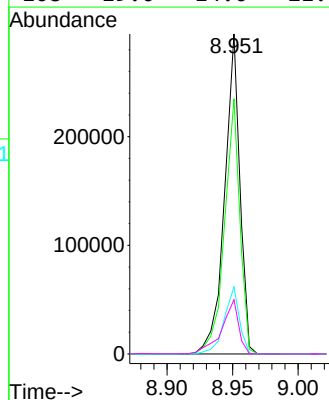
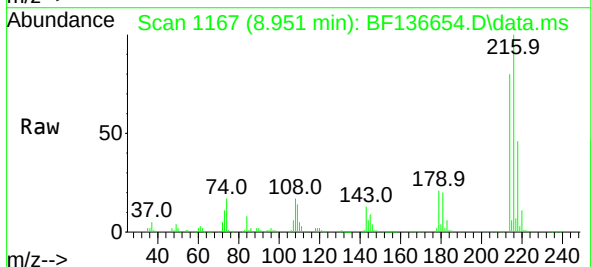
RT: 8.951 min Scan# 1167

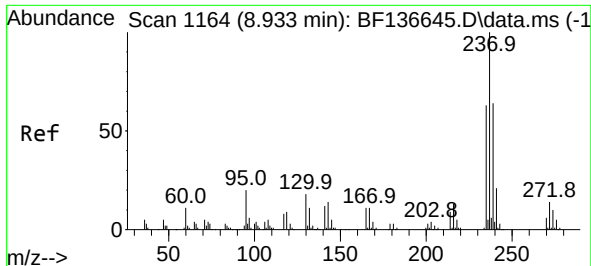
Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 238437    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.7  | 62.3 93.5 |
| 179         | 20.8  | 16.4 24.6 |
| 108         | 19.0  | 14.0 21.0 |





#41  
Hexachlorocyclopentadiene  
Concen: 94.991 ng  
RT: 8.933 min Scan# 1164  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

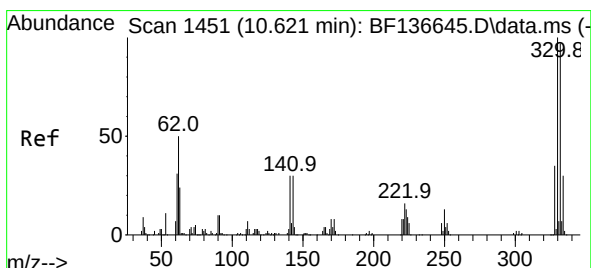
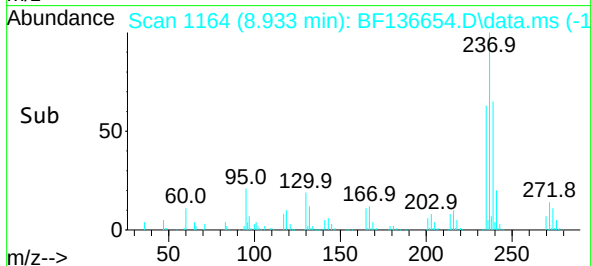
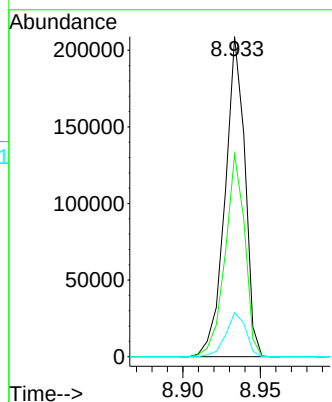
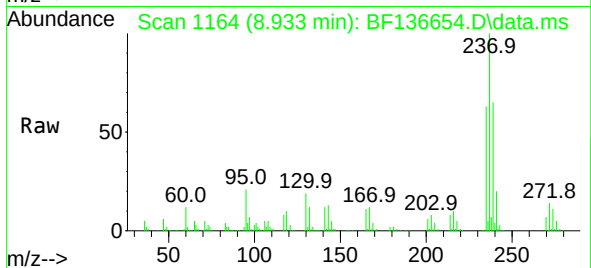
PB157565BS

Tgt Ion:237 Resp: 185849  
Ion Ratio Lower Upper  
237 100  
235 63.2 43.2 83.2  
272 13.8 0.0 34.2

Manual Integrations

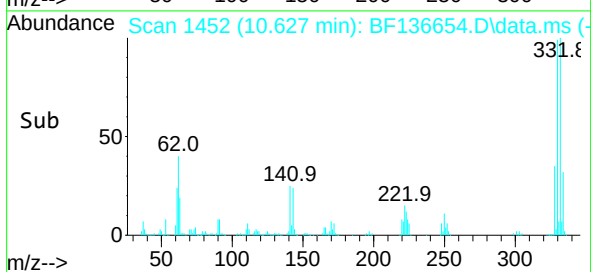
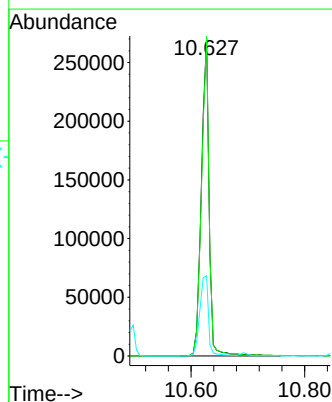
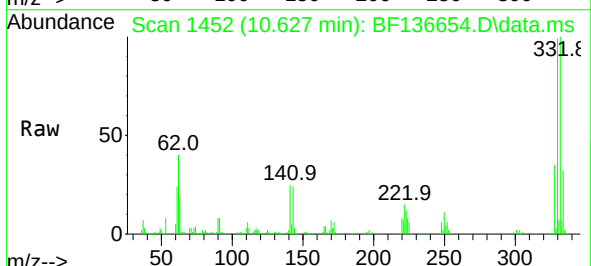
APPROVED

Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

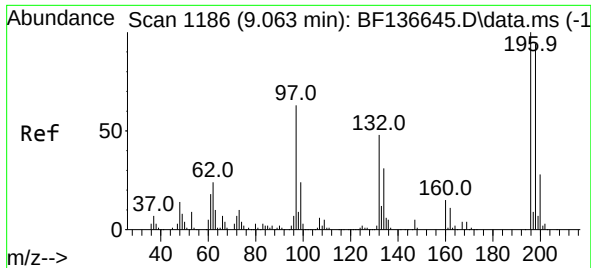


#42  
2,4,6-Tribromophenol  
Concen: 111.055 ng  
RT: 10.627 min Scan# 1452  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:330 Resp: 256499  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.4 116.0  
141 28.7 23.4 35.2







#43  
2,4,6-Trichlorophenol  
Concen: 40.748 ng  
RT: 9.069 min Scan# 1186  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

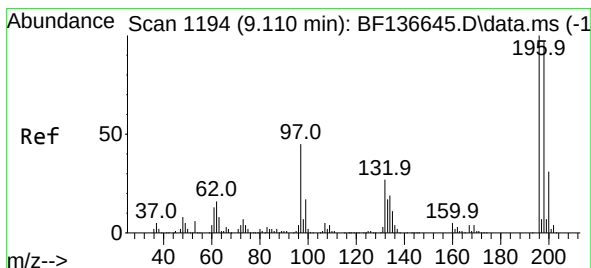
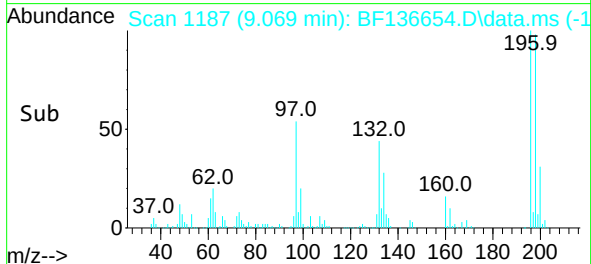
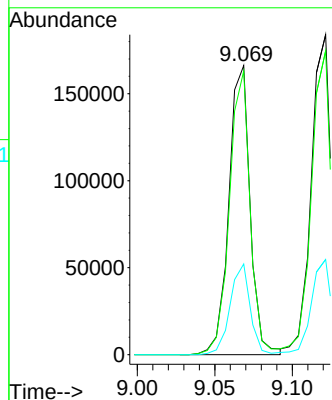
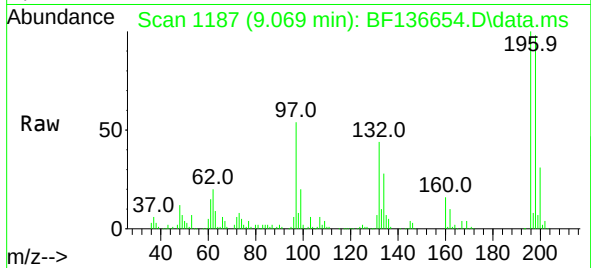
ClientSampleId :

PB157565BS

Tgt Ion:196 Resp: 15871  
Ion Ratio Lower Upper  
196 100  
198 98.2 75.1 112.7  
200 31.4 22.5 33.7

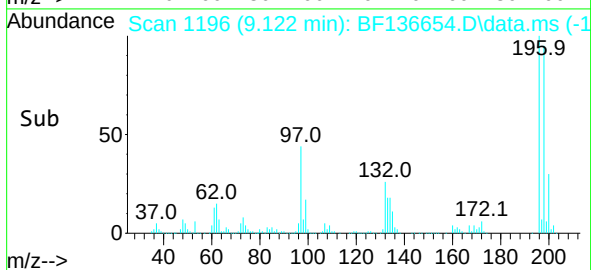
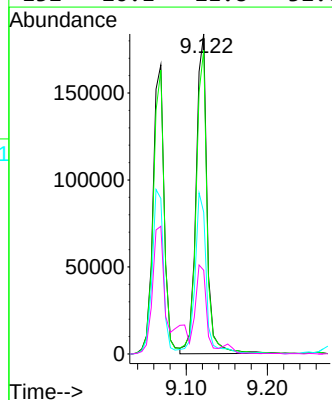
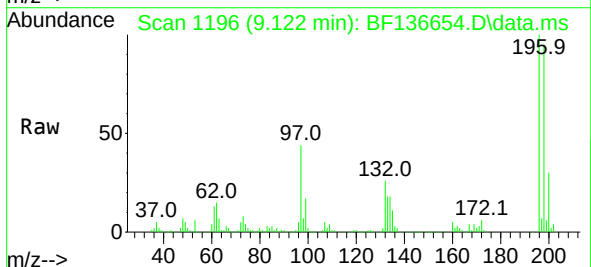
Manual Integrations  
APPROVED

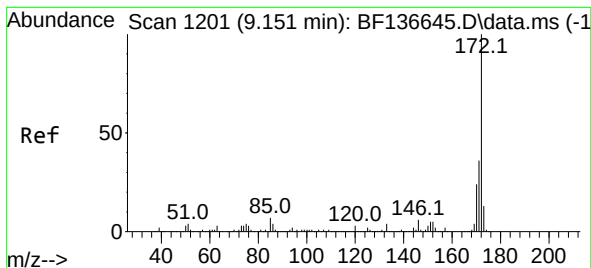
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#44  
2,4,5-Trichlorophenol  
Concen: 40.030 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.012 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:196 Resp: 173752  
Ion Ratio Lower Upper  
196 100  
198 95.0 77.0 115.6  
97 44.2 36.1 54.1  
132 26.1 21.8 32.6





#45  
2-Fluorobiphenyl  
Concen: 71.713 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

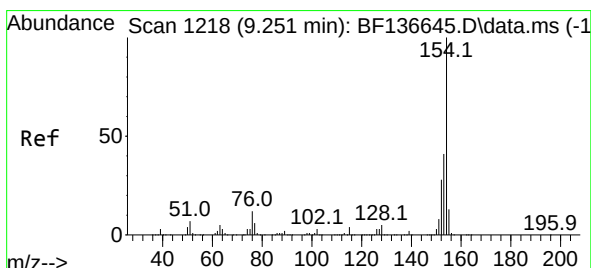
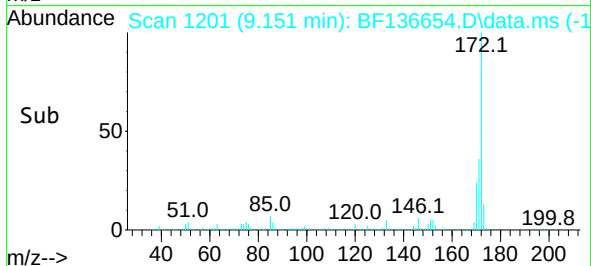
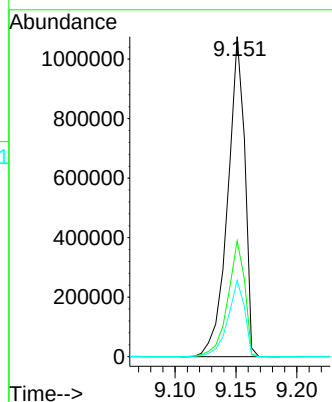
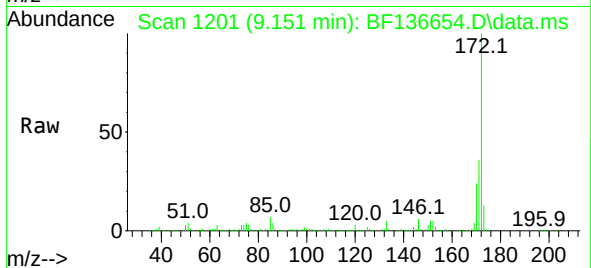
ClientSampleId :

PB157565BS

Tgt Ion:172 Resp: 1045658  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.0 43.6  
170 23.8 19.0 28.4

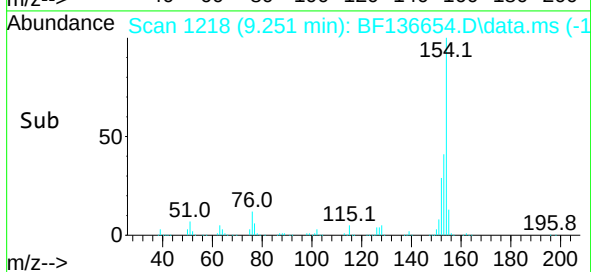
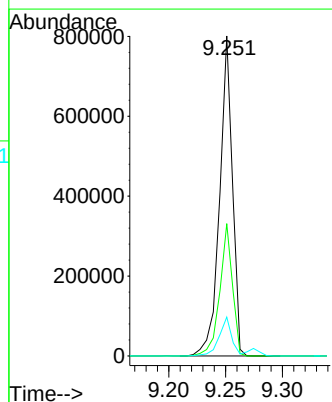
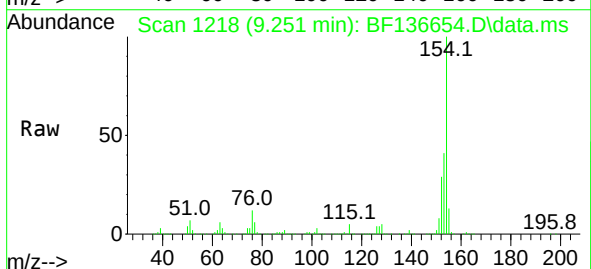
Manual Integrations  
APPROVED

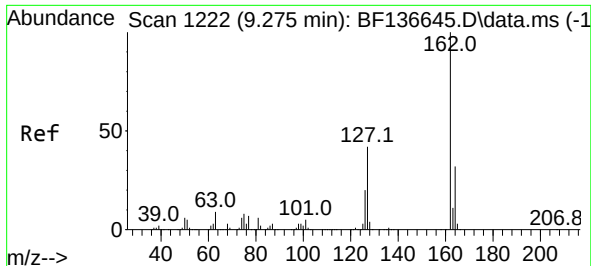
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#46  
1,1'-Biphenyl  
Concen: 38.291 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:154 Resp: 630152  
Ion Ratio Lower Upper  
154 100  
153 41.3 21.1 61.1  
76 12.1 0.0 31.7





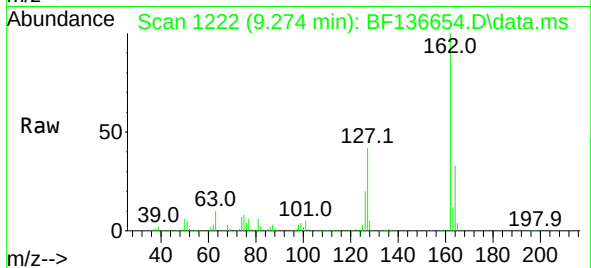
#47  
2-Chloronaphthalene  
Concen: 38.067 ng  
RT: 9.274 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS



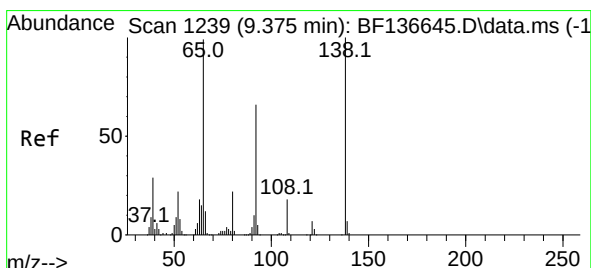
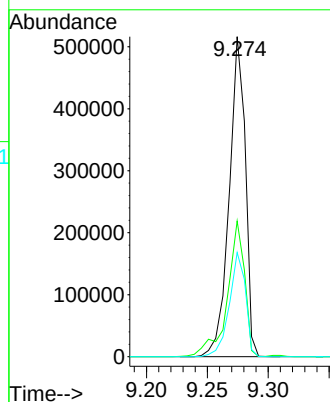
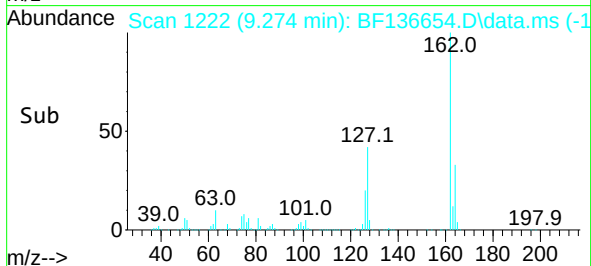
Tgt Ion:162 Resp: 47624  
Ion Ratio Lower Upper  
162 100  
127 42.4 33.6 50.4  
164 32.6 25.7 38.5

Manual Integrations

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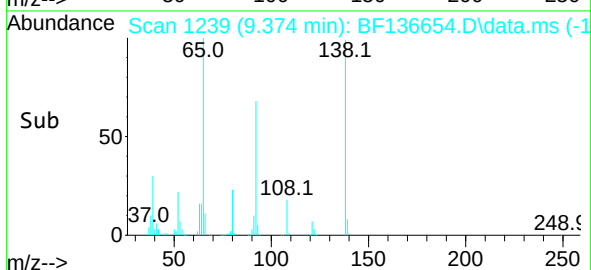
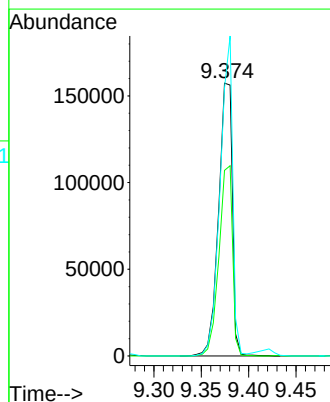
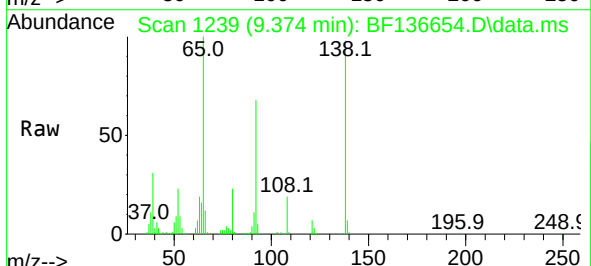
Reviewed By :Yogesh Patel 12/21/2023

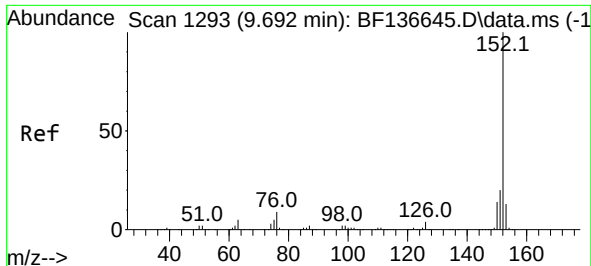
Supervised By :mohammad ahmed 12/21/2023



#48  
2-Nitroaniline  
Concen: 40.854 ng  
RT: 9.374 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion: 65 Resp: 160054  
Ion Ratio Lower Upper  
65 100  
92 68.1 53.2 79.8  
138 98.2 81.1 121.7





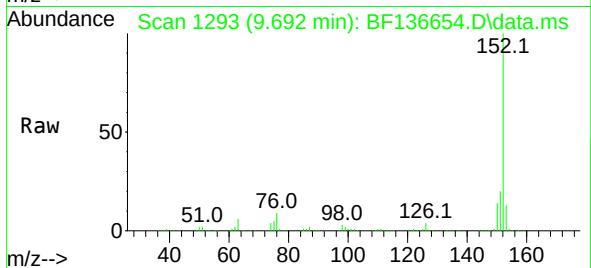
#49  
Acenaphthylene  
Concen: 40.611 ng  
RT: 9.692 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

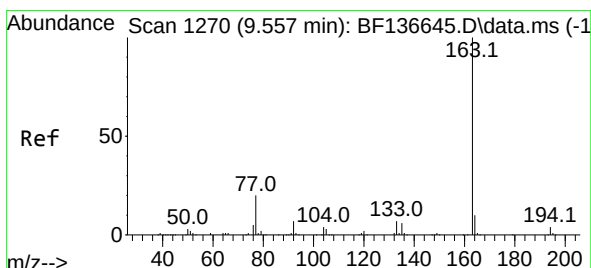
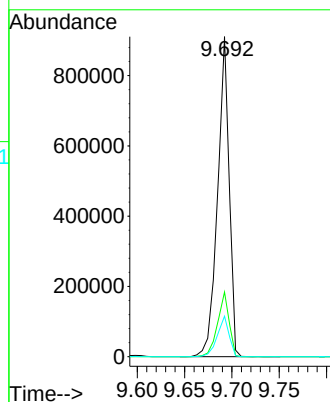
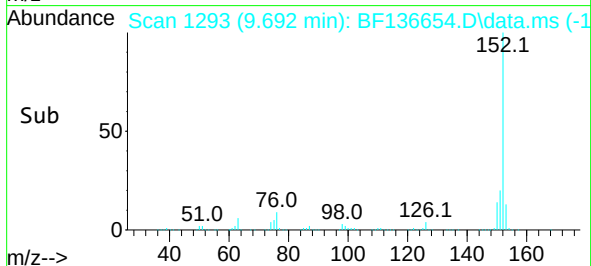


Tgt Ion:152 Resp: 77658  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.4  
153 12.6 10.2 15.2

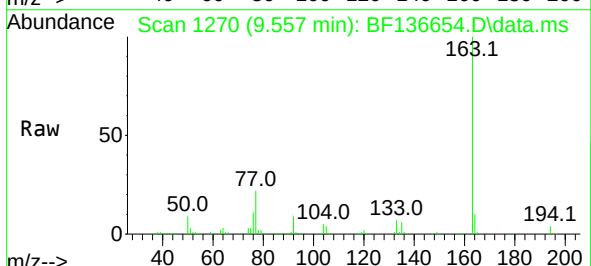
Manual Integrations

APPROVED

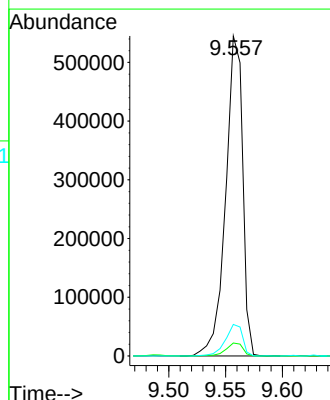
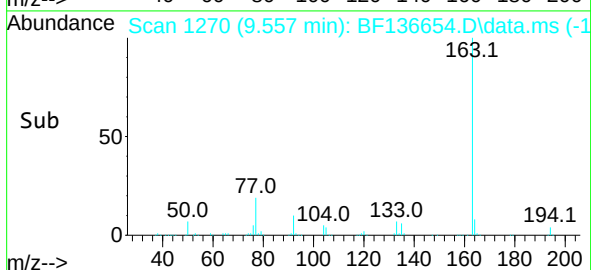
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

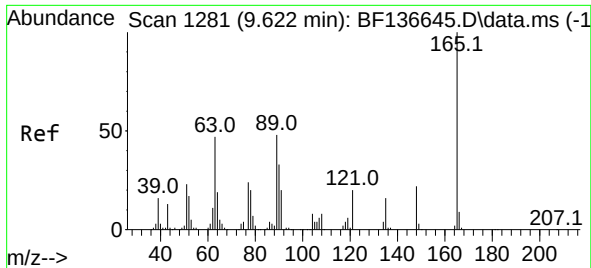


#50  
Dimethylphthalate  
Concen: 39.624 ng  
RT: 9.557 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:163 Resp: 567591  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.9 7.8 11.6





#51  
2,6-Dinitrotoluene  
Concen: 38.804 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

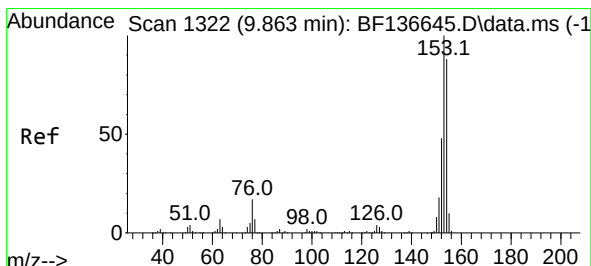
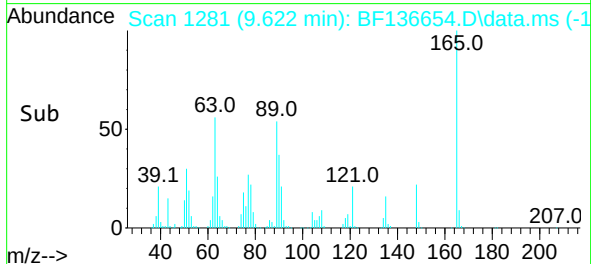
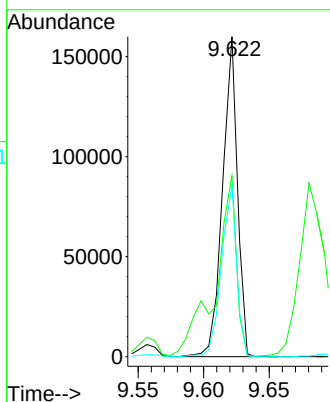
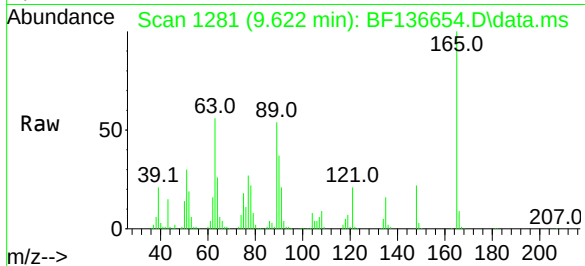
ClientSampleId :

PB157565BS

Tgt Ion:165 Resp: 126152  
Ion Ratio Lower Upper  
165 100  
63 56.5 39.8 59.6  
89 53.6 38.8 58.2

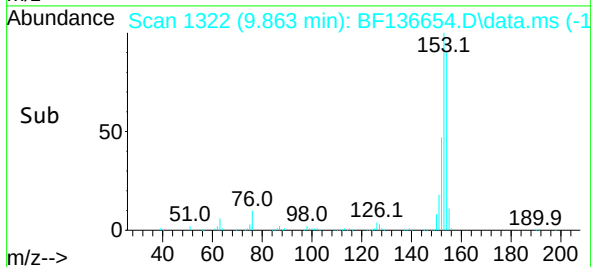
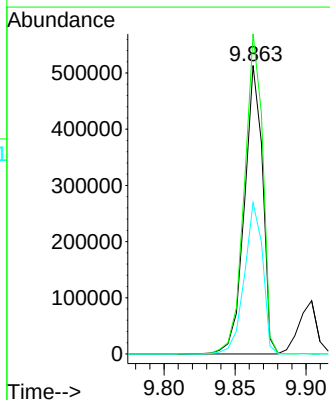
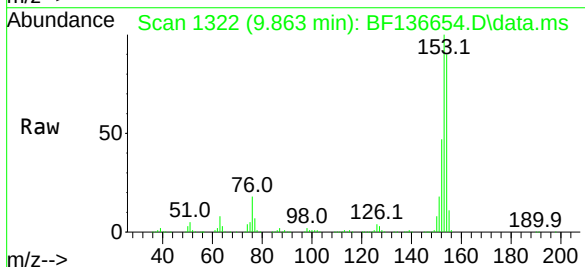
Manual Integrations  
APPROVED

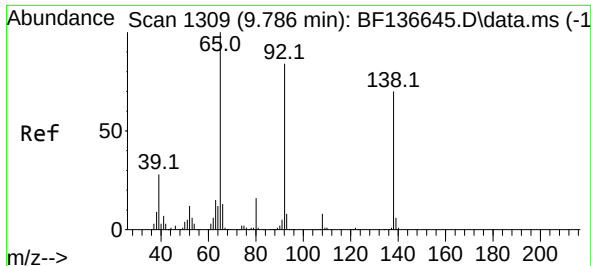
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#52  
Acenaphthene  
Concen: 38.494 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:154 Resp: 456296  
Ion Ratio Lower Upper  
154 100  
153 110.9 90.7 136.1  
152 52.5 43.7 65.5





#53  
3-Nitroaniline  
Concen: 32.568 ng  
RT: 9.792 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

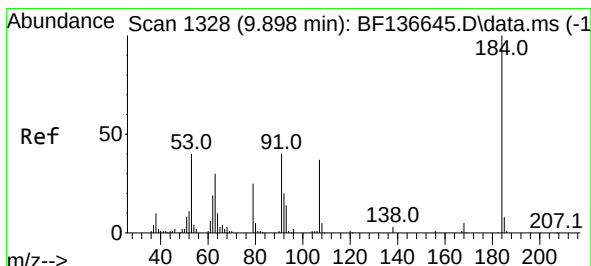
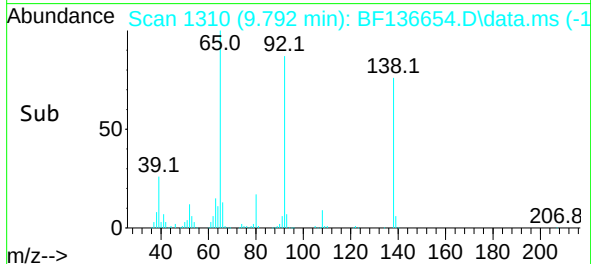
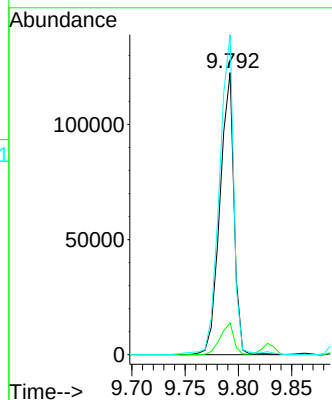
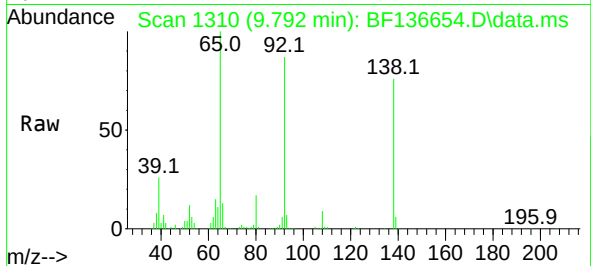
PB157565BS

Tgt Ion:138 Resp: 11215  
Ion Ratio Lower Upper  
138 100  
108 11.3 8.6 12.8  
92 113.5 95.2 142.8

Manual Integrations

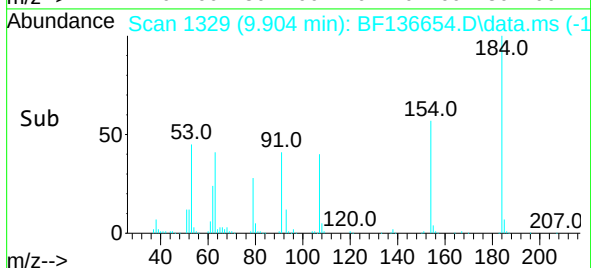
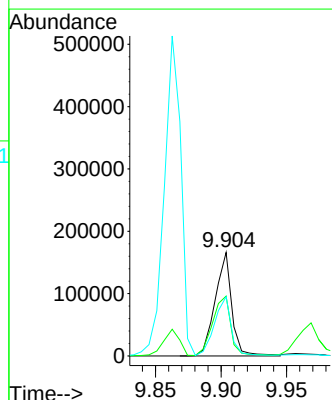
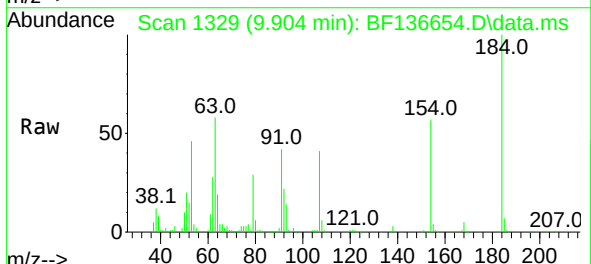
APPROVED

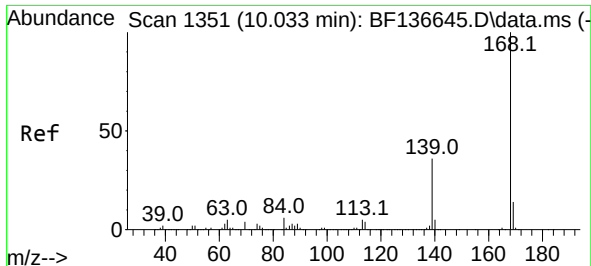
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#54  
2,4-Dinitrophenol  
Concen: 81.375 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:184 Resp: 146739  
Ion Ratio Lower Upper  
184 100  
63 57.9 40.9 61.3  
154 57.2 42.7 64.1





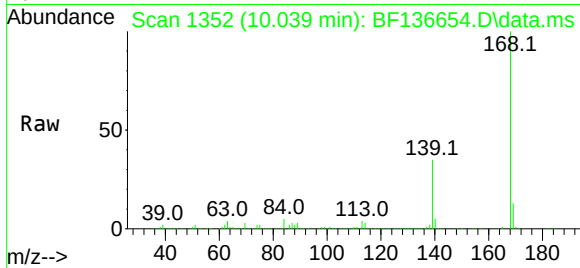
#55  
Dibenzofuran  
Concen: 38.187 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

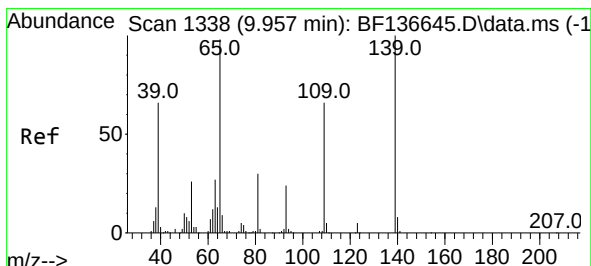
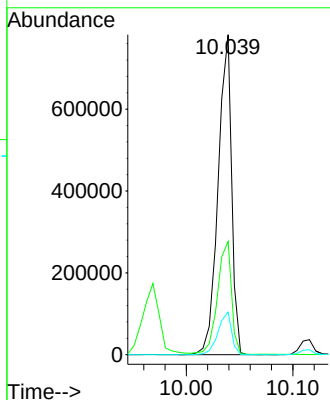
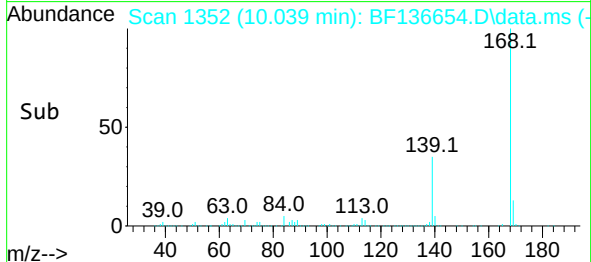
PB157565BS



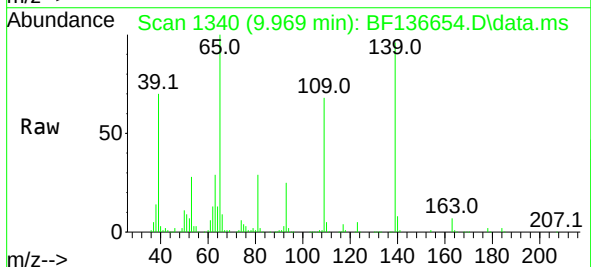
Tgt Ion:168 Resp: 686170  
Ion Ratio Lower Upper  
168 100  
139 35.4 29.3 43.9  
169 13.3 11.0 16.4

Manual Integrations  
APPROVED

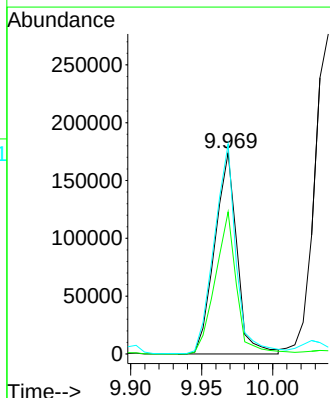
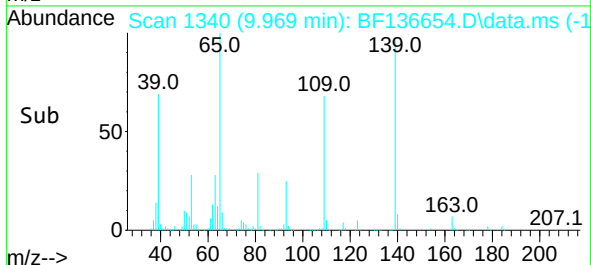
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

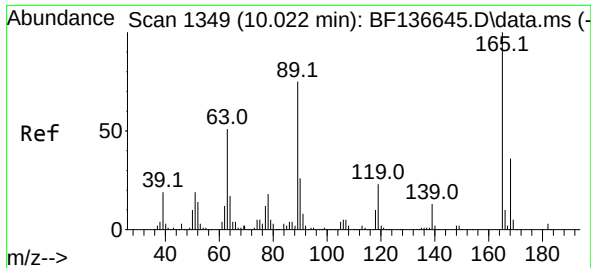


#56  
4-Nitrophenol  
Concen: 81.507 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.012 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:139 Resp: 189486  
Ion Ratio Lower Upper  
139 100  
109 70.6 45.8 85.8  
65 104.4 77.8 117.8





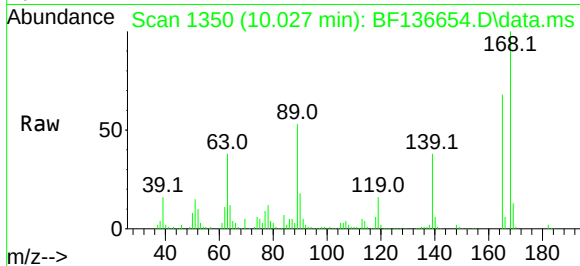
#57  
2,4-Dinitrotoluene  
Concen: 38.229 ng  
RT: 10.027 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

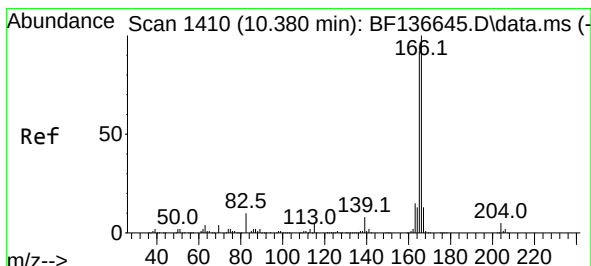
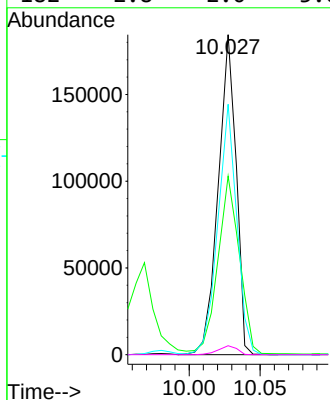
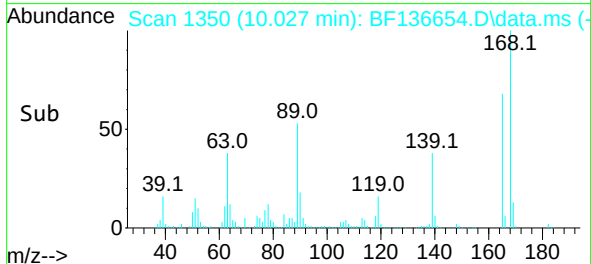


Tgt Ion:165 Resp: 161340  
Ion Ratio Lower Upper  
165 100  
63 55.8 41.0 61.6  
89 78.2 59.9 89.9  
182 2.8 2.0 3.0

Manual Integrations

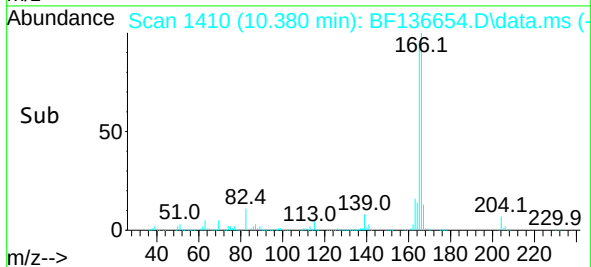
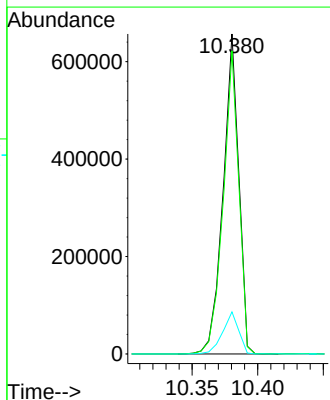
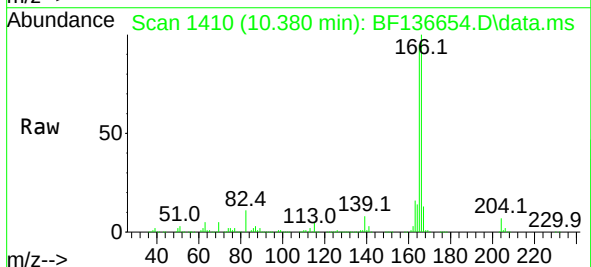
APPROVED

Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

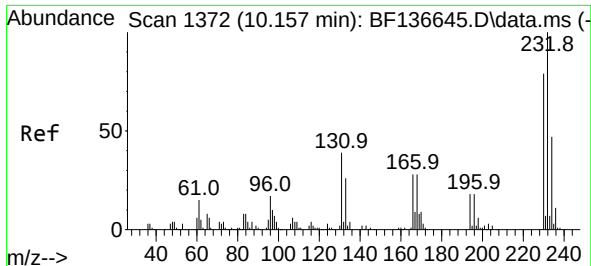


#58  
Fluorene  
Concen: 38.216 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:166 Resp: 544867  
Ion Ratio Lower Upper  
166 100  
165 94.7 73.7 110.5  
167 13.1 10.4 15.6







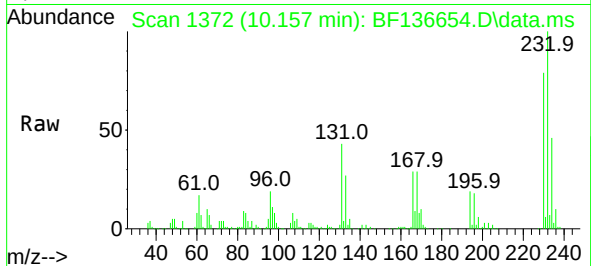
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.631 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

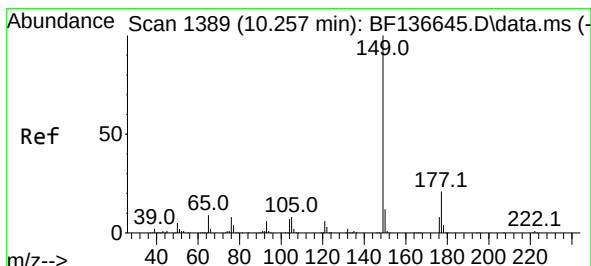
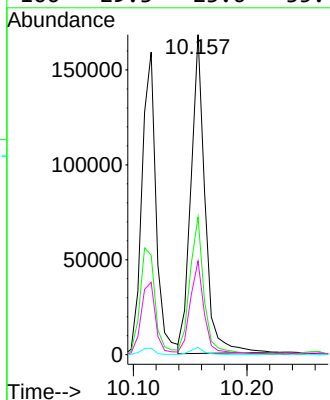
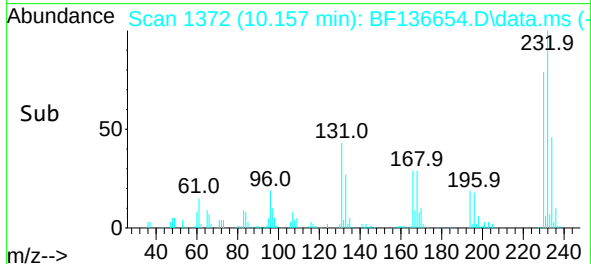


Tgt Ion:232 Resp: 145780  
Ion Ratio Lower Upper  
232 100  
131 43.5 35.1 52.7  
130 2.2 1.6 2.4  
166 29.3 23.6 35.4

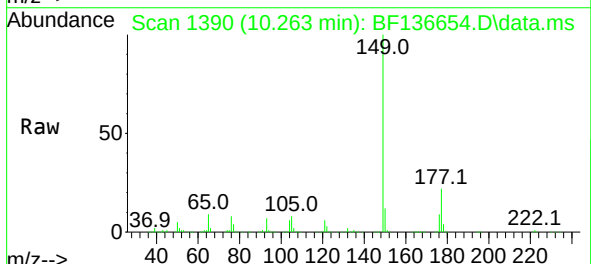
Manual Integrations

APPROVED

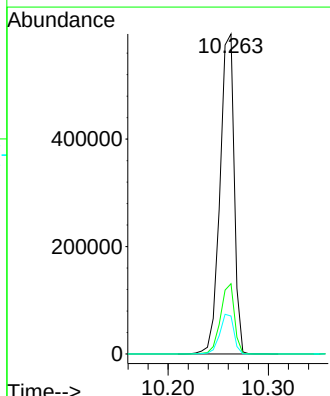
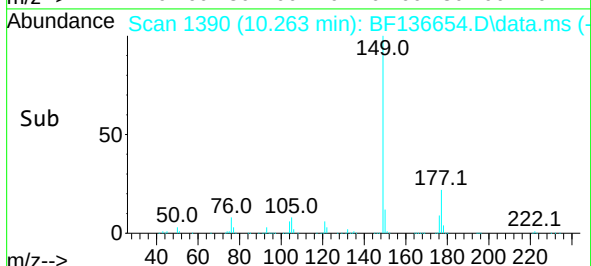
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

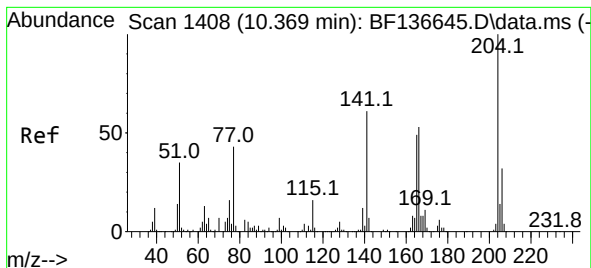


#60  
Diethylphthalate  
Concen: 39.261 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:149 Resp: 583519  
Ion Ratio Lower Upper  
149 100  
177 21.9 16.9 25.3  
150 11.9 9.3 13.9





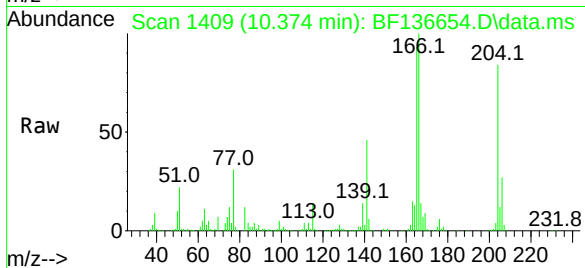
#61  
4-Chlorophenyl-phenylether  
Concen: 37.216 ng  
RT: 10.374 min Scan# 1408  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

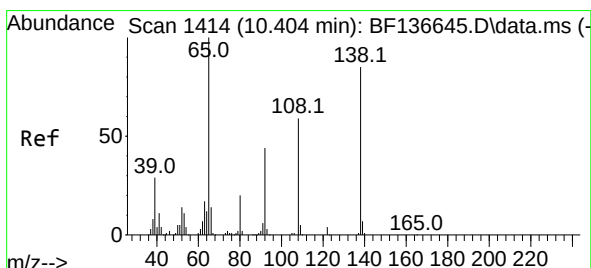
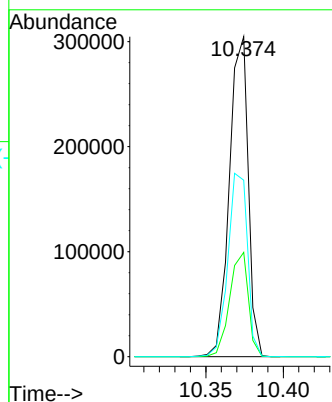
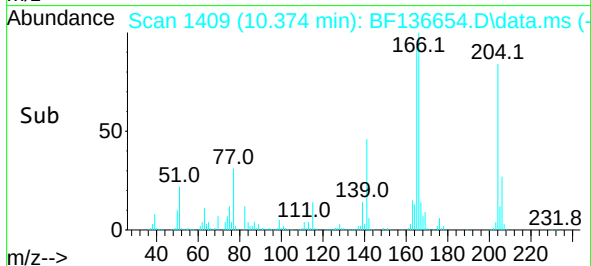


Tgt Ion:204 Resp: 257909  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.6 38.4  
141 55.2 48.4 72.6

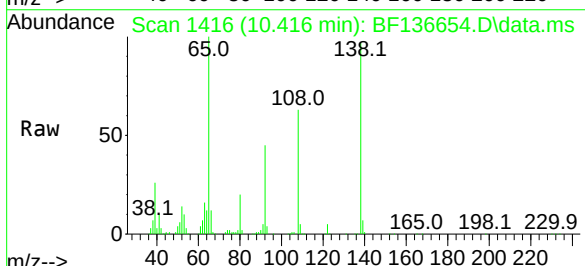
Manual Integrations

APPROVED

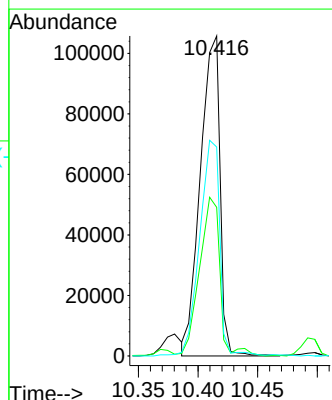
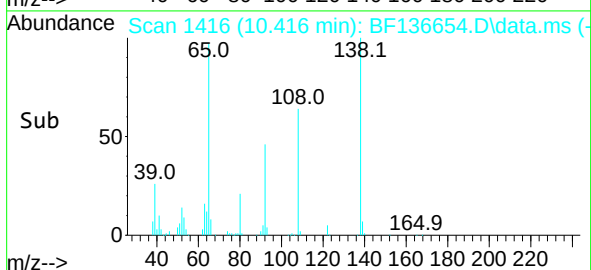
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

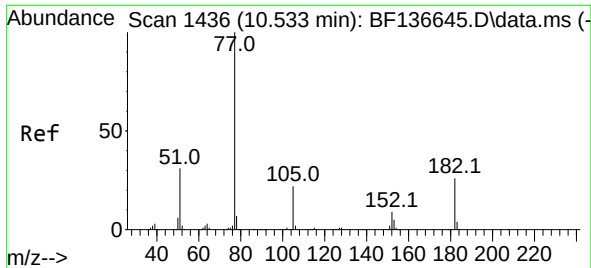


#62  
4-Nitroaniline  
Concen: 36.572 ng m  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.012 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:138 Resp: 121414  
Ion Ratio Lower Upper  
138 100  
92 46.5 32.1 72.1  
108 65.3 50.1 90.1





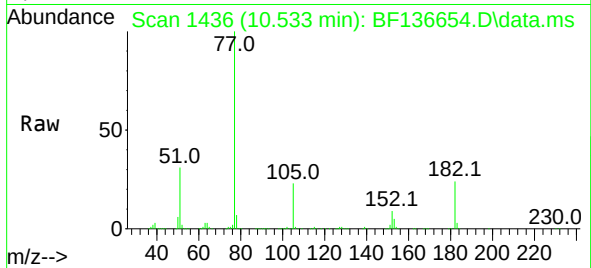
#63  
Azobenzene  
Concen: 39.262 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS



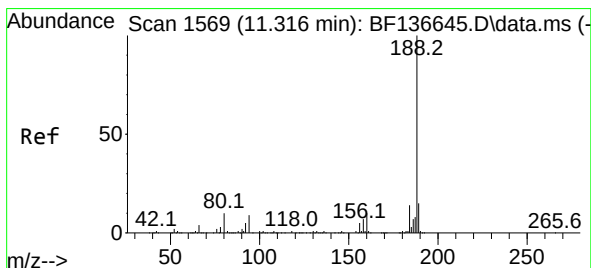
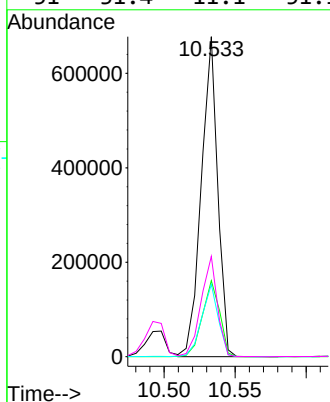
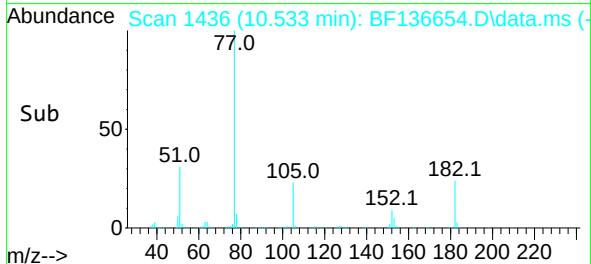
Tgt Ion: 77 Resp: 545030  
Ion Ratio Lower Upper  
77 100  
182 23.7 6.0 46.0  
105 22.6 2.3 42.3  
51 31.4 11.1 51.1

Manual Integrations

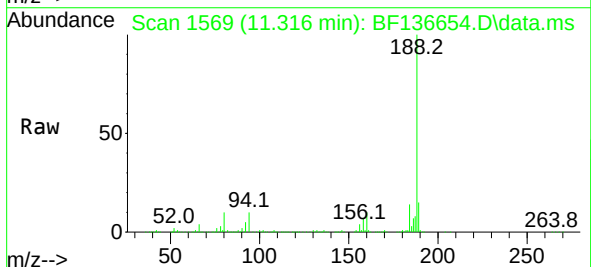
APPROVED

Reviewed By :Yogesh Patel 12/21/2023

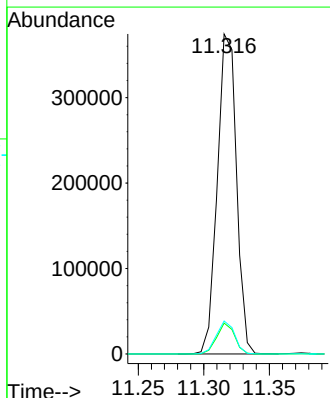
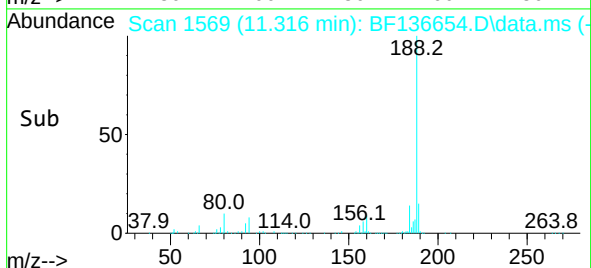
Supervised By :mohammad ahmed 12/21/2023

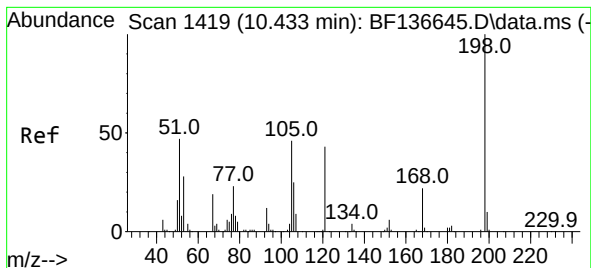


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:188 Resp: 379679  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.5 11.3  
80 10.3 8.1 12.1





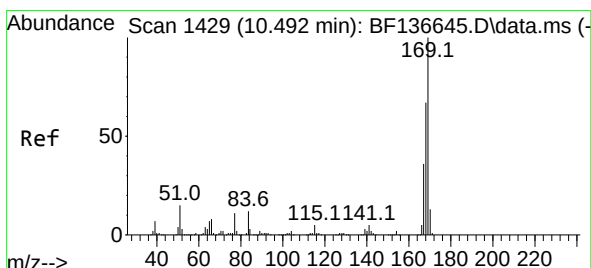
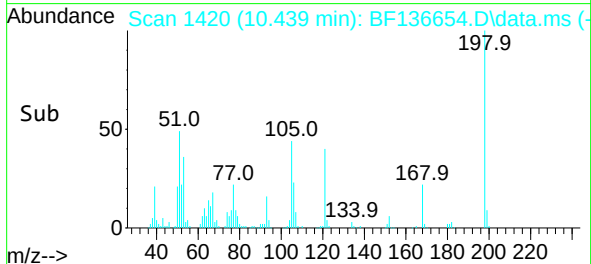
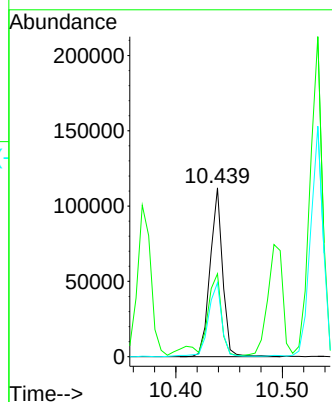
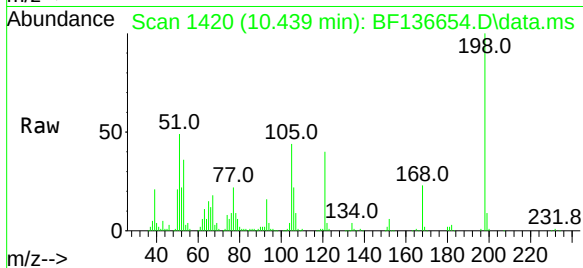
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.055 ng  
RT: 10.439 min Scan# 1419  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS

Tgt Ion:198 Resp: 91509  
Ion Ratio Lower Upper  
198 100  
51 49.1 34.1 74.1  
105 43.8 27.3 67.3

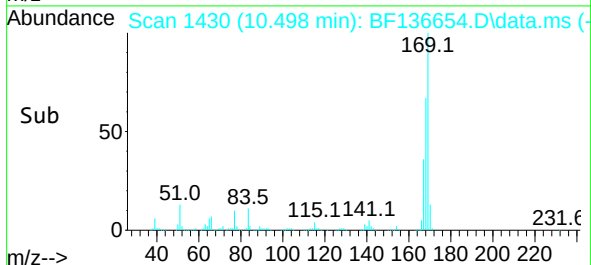
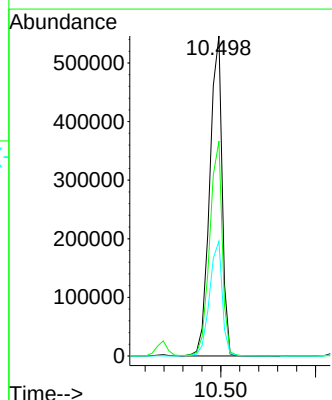
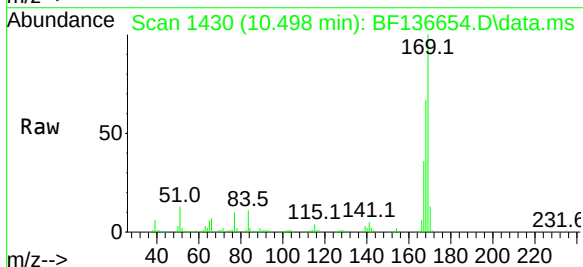
Manual Integrations  
APPROVED

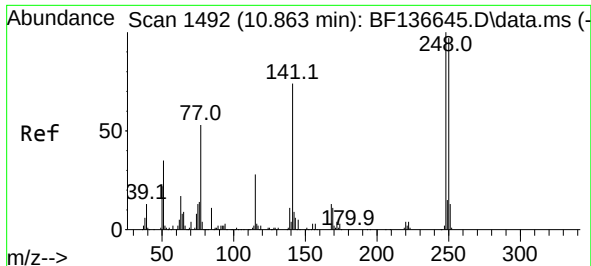
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#66  
n-Nitrosodiphenylamine  
Concen: 40.037 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

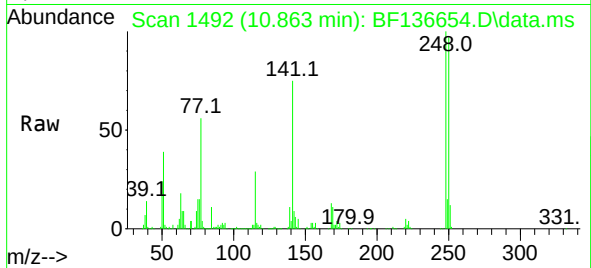
Tgt Ion:169 Resp: 493811  
Ion Ratio Lower Upper  
169 100  
168 67.1 53.8 80.6  
167 35.9 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 38.682 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

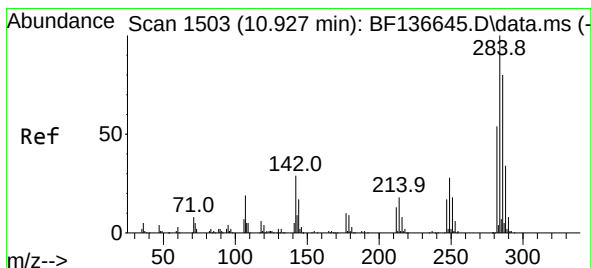
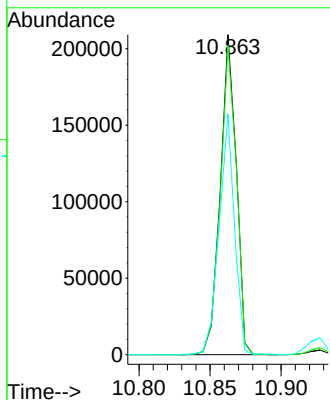
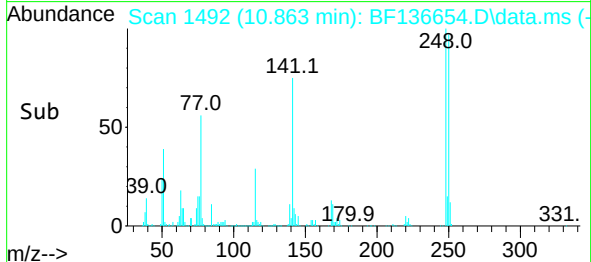
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



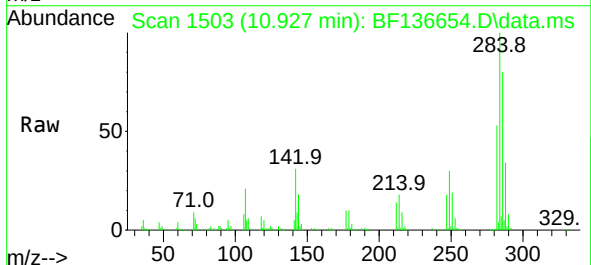
Tgt Ion:248 Resp: 163108  
Ion Ratio Lower Upper  
248 100  
250 96.6 77.8 116.6  
141 75.2 59.2 88.8

Manual Integrations  
APPROVED

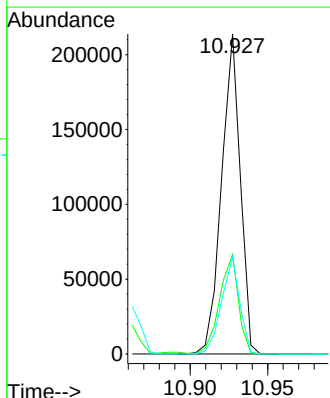
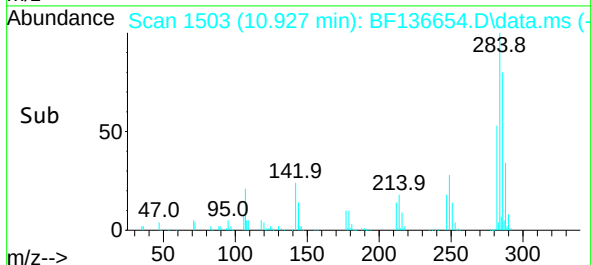
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

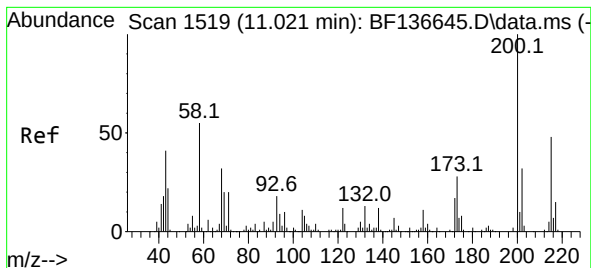


#68  
Hexachlorobenzene  
Concen: 38.162 ng  
RT: 10.927 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:284 Resp: 179324  
Ion Ratio Lower Upper  
284 100  
142 31.0 23.4 35.0  
249 30.1 22.3 33.5





#69

Atrazine

Concen: 39.709 ng

RT: 11.027 min Scan# 1519

Delta R.T. 0.006 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

Tgt Ion:200 Resp: 12526

Ion Ratio Lower Upper

200 100

173 27.8 7.6 47.6

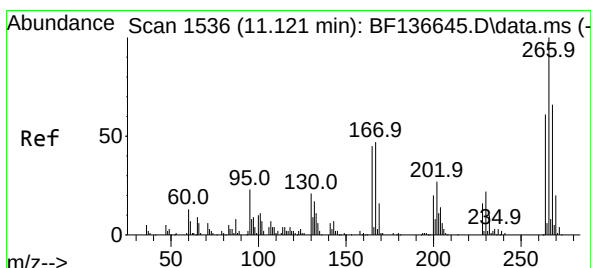
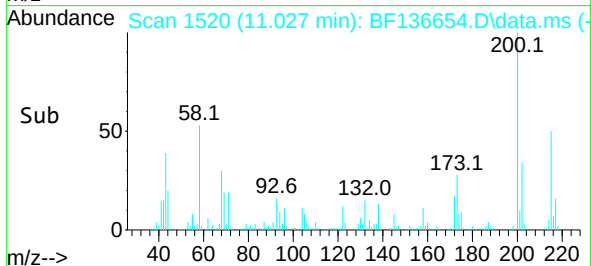
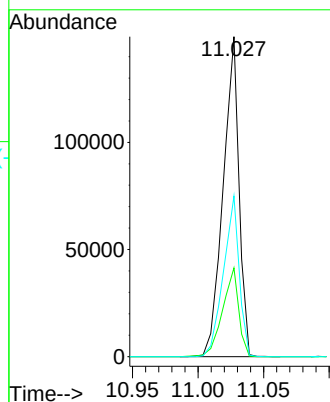
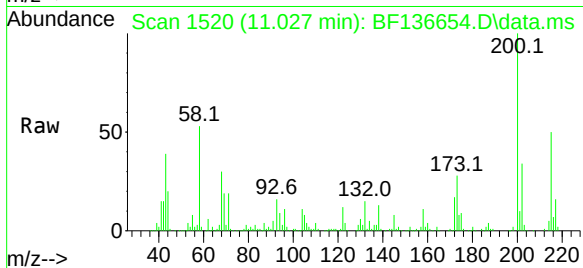
215 50.2 28.3 68.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#70

Pentachlorophenol

Concen: 71.883 ng

RT: 11.127 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

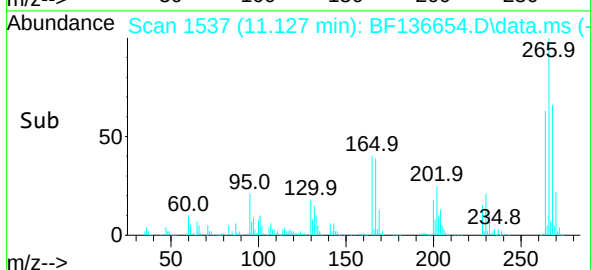
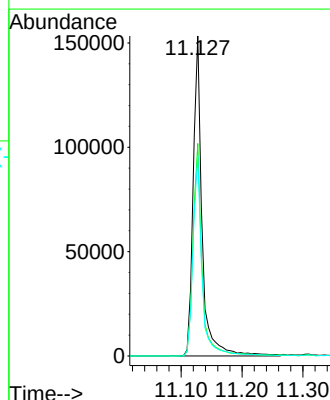
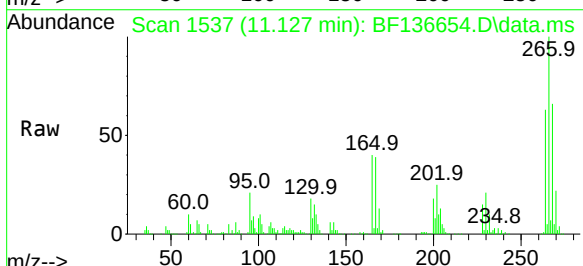
Tgt Ion:266 Resp: 157445

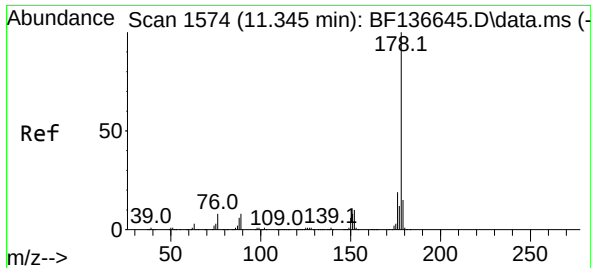
Ion Ratio Lower Upper

266 100

268 66.4 52.6 78.8

264 62.7 49.0 73.4





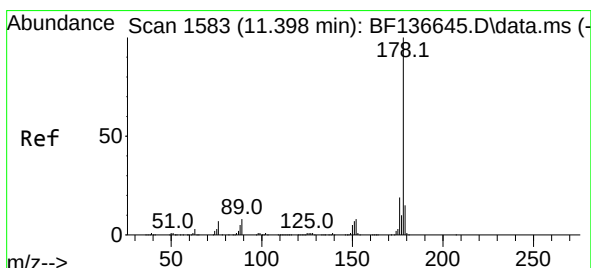
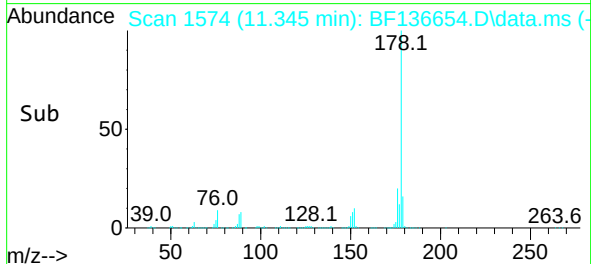
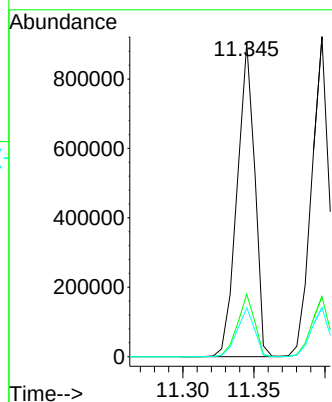
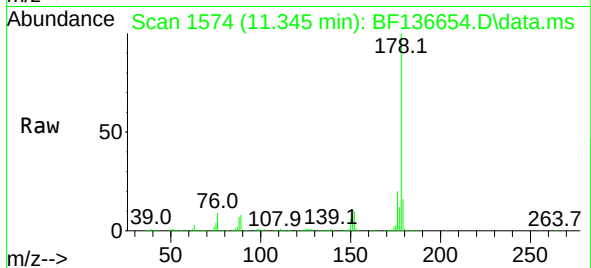
#71  
Phenanthrene  
Concen: 40.134 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS

Tgt Ion:178 Resp: 78188  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.3 22.9  
179 15.5 11.9 17.9

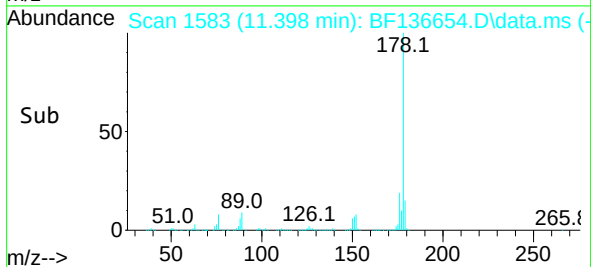
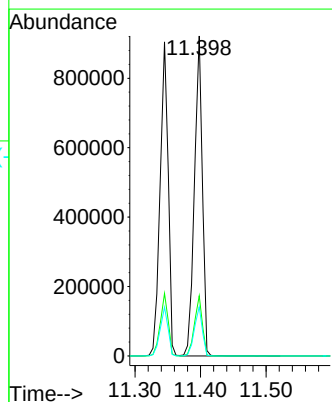
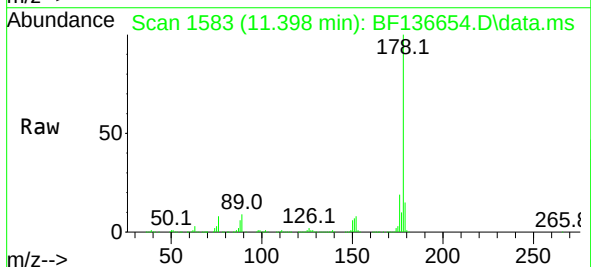
Manual Integrations  
APPROVED

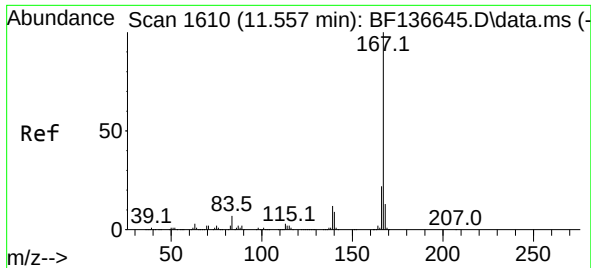
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#72  
Anthracene  
Concen: 39.371 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

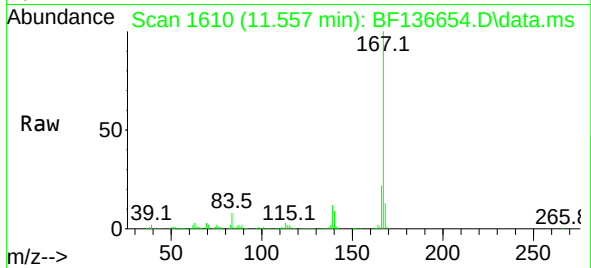
Tgt Ion:178 Resp: 776767  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.9 22.3  
179 15.3 11.8 17.6





#73  
 Carbazole  
 Concen: 38.373 ng  
 RT: 11.557 min Scan# 1610  
 Delta R.T. -0.000 min  
 Lab File: BF136654.D  
 Acq: 20 Dec 2023 18:33

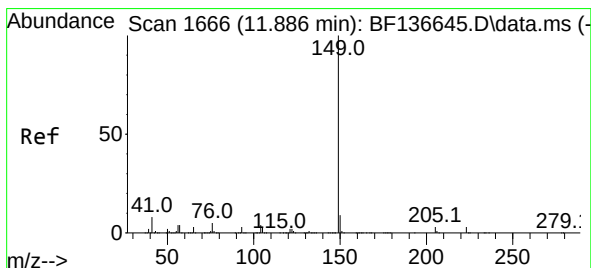
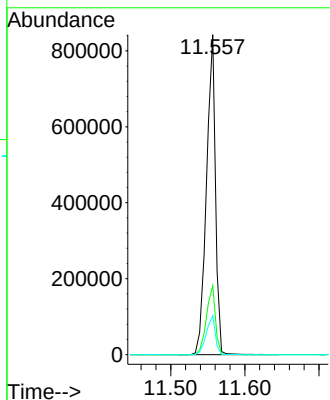
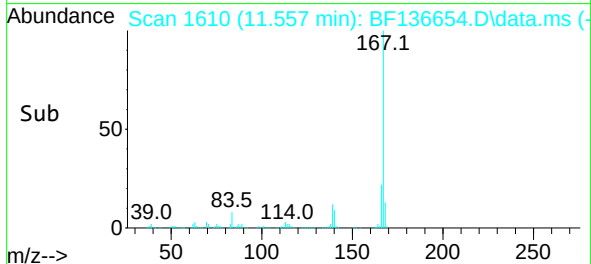
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157565BS



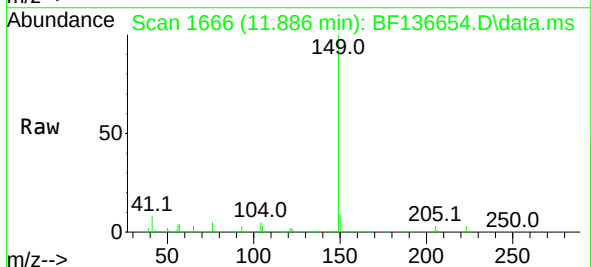
Tgt Ion:167 Resp: 713790  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.3 25.9  
 139 12.2 9.8 14.6

Manual Integrations  
 APPROVED

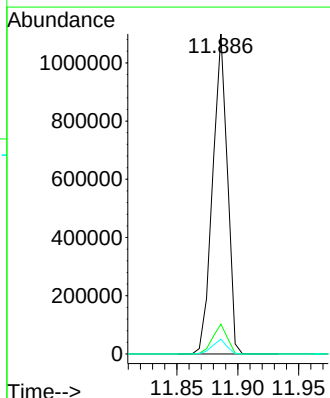
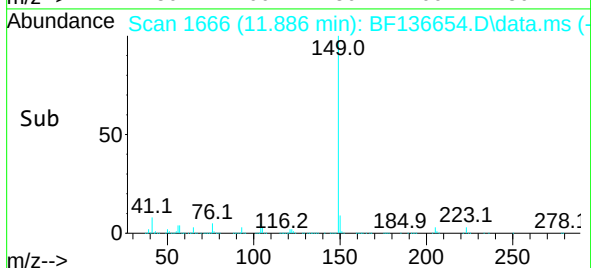
Reviewed By :Yogesh Patel 12/21/2023  
 Supervised By :mohammad ahmed 12/21/2023



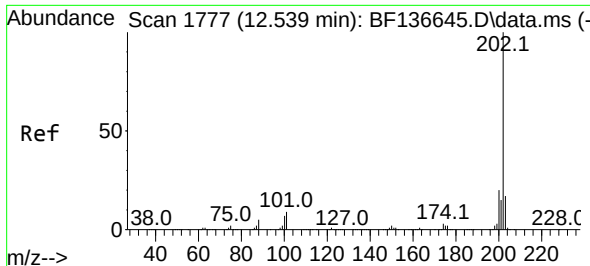
#74  
 Di-n-butylphthalate  
 Concen: 40.536 ng  
 RT: 11.886 min Scan# 1666  
 Delta R.T. -0.000 min  
 Lab File: BF136654.D  
 Acq: 20 Dec 2023 18:33



Tgt Ion:149 Resp: 920094  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.2  
 104 4.6 3.6 5.4

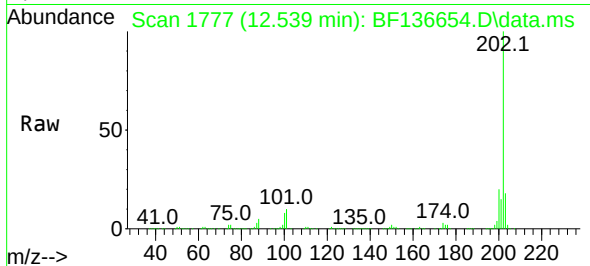






#75  
Fluoranthene  
Concen: 38.503 ng  
RT: 12.539 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

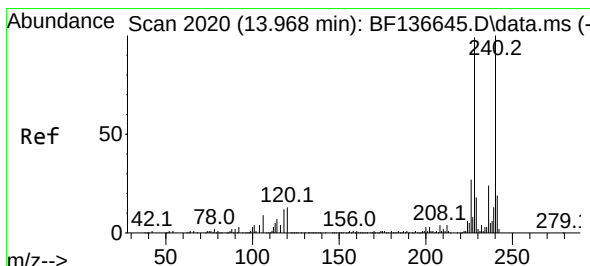
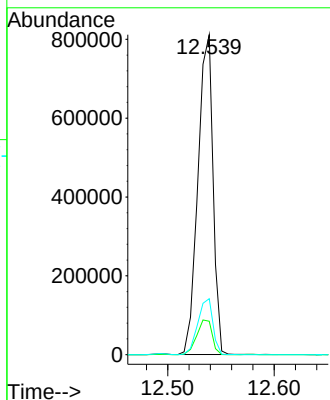
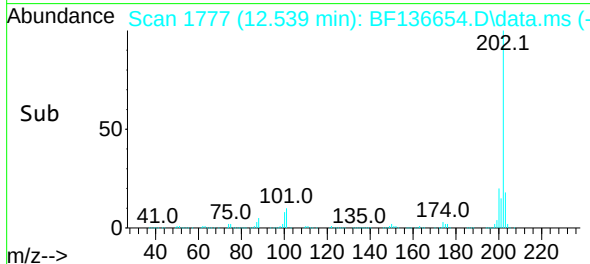
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



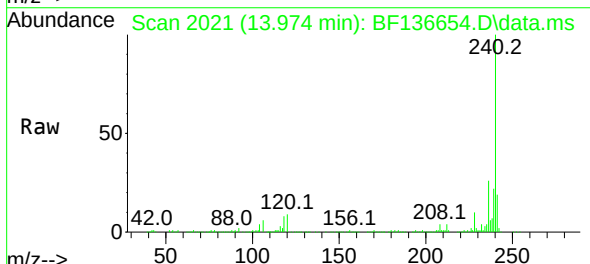
Tgt Ion:202 Resp: 80235  
Ion Ratio Lower Upper  
202 100  
101 10.5 0.0 29.3  
203 17.5 0.0 37.1

Manual Integrations  
APPROVED

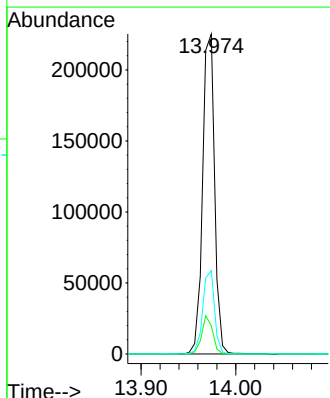
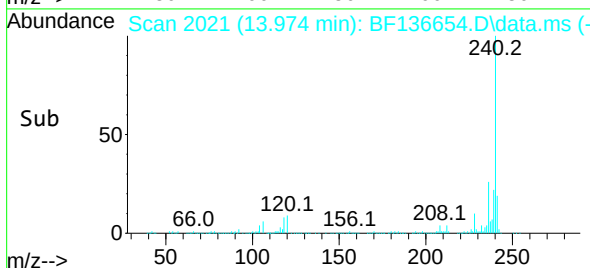
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

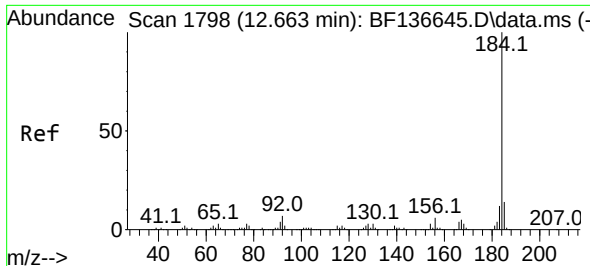


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. 0.006 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



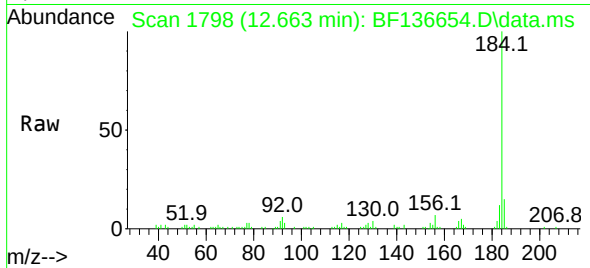
Tgt Ion:240 Resp: 198863  
Ion Ratio Lower Upper  
240 100  
120 8.8 10.3 15.5#  
236 26.1 19.4 29.2





#77  
Benzidine  
Concen: 5.779 ng  
RT: 12.663 min Scan# 1798  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

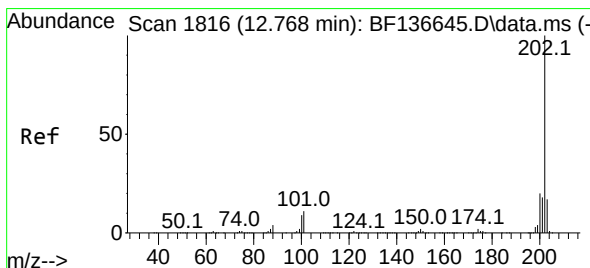
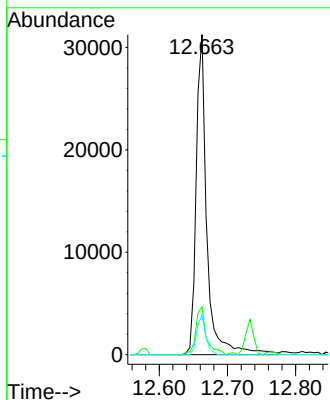
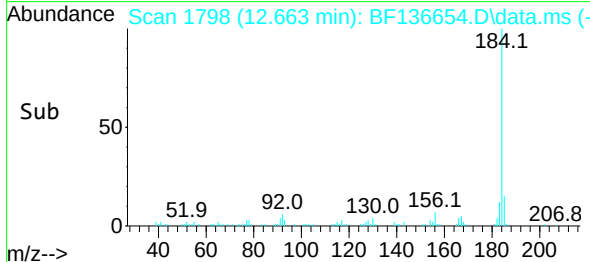
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



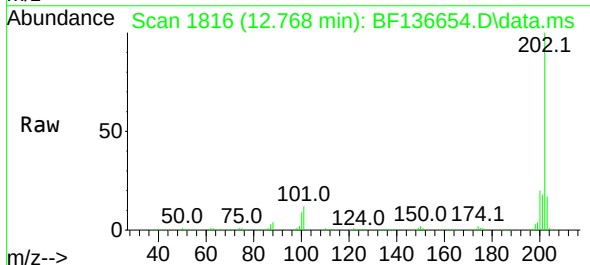
Tgt Ion:184 Resp: 3388  
Ion Ratio Lower Upper  
184 100  
185 15.0 11.2 16.8  
183 12.5 9.3 13.9

Manual Integrations  
APPROVED

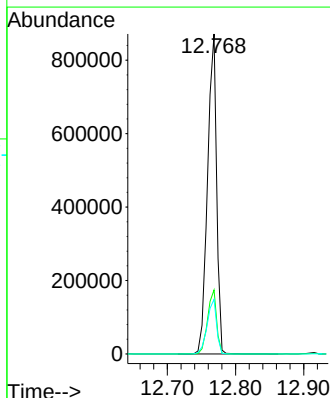
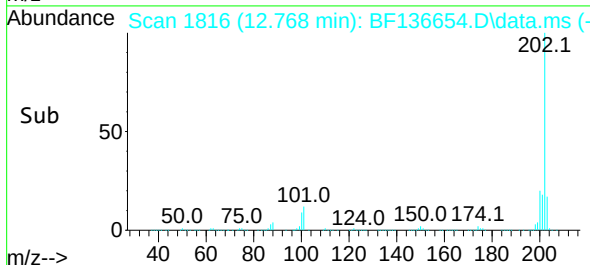
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

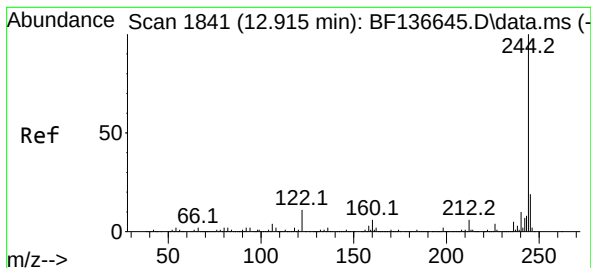


#78  
Pyrene  
Concen: 41.354 ng  
RT: 12.768 min Scan# 1816  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:202 Resp: 807310  
Ion Ratio Lower Upper  
202 100  
200 20.0 15.9 23.9  
203 17.1 13.8 20.6





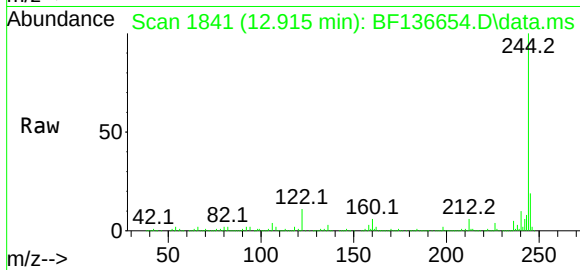
#79  
Terphenyl-d14  
Concen: 77.601 ng  
RT: 12.915 min Scan# 1841  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

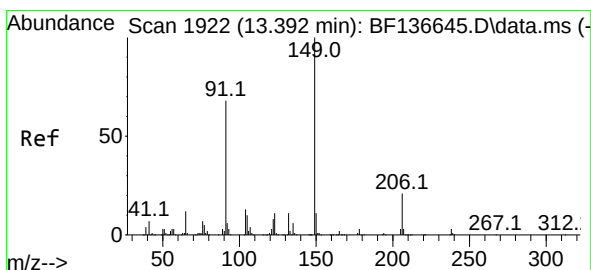
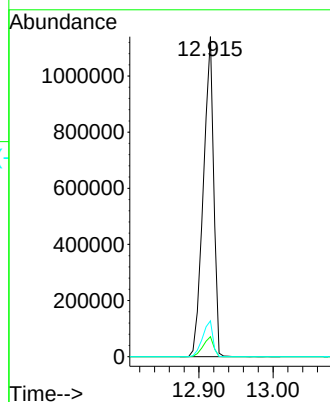
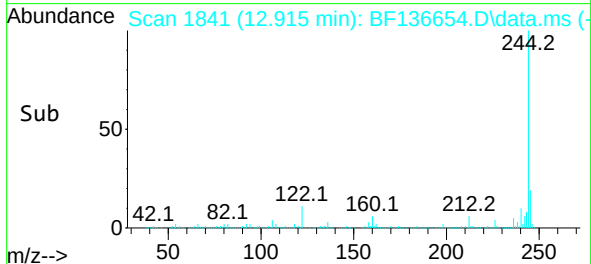


Tgt Ion:244 Resp: 1104280  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.0 7.4  
122 11.2 9.0 13.4

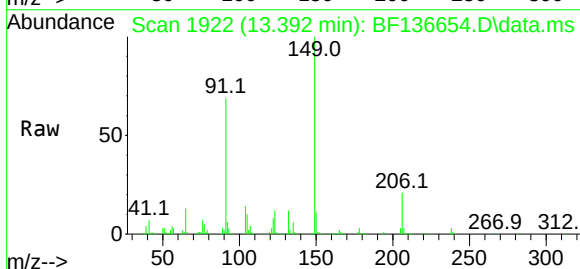
Manual Integrations

APPROVED

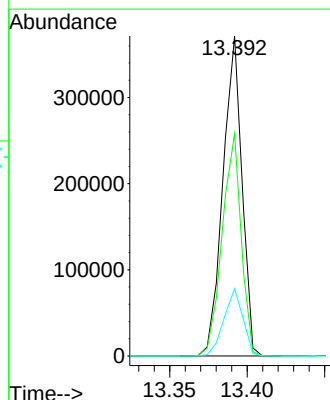
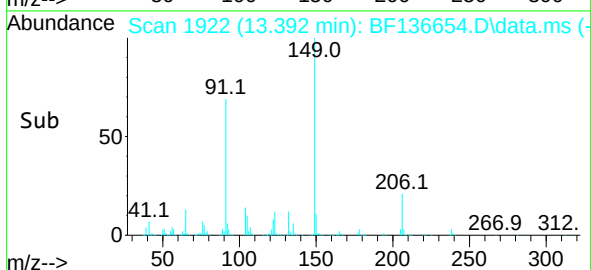
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

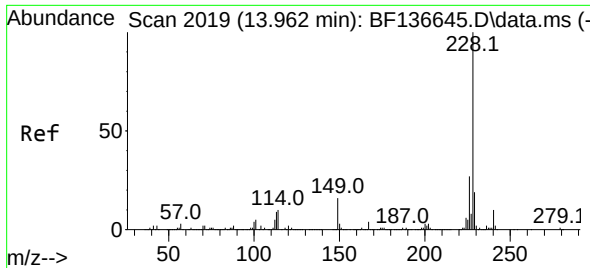


#80  
Butylbenzylphthalate  
Concen: 44.629 ng  
RT: 13.392 min Scan# 1922  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:149 Resp: 317019  
Ion Ratio Lower Upper  
149 100  
91 69.5 54.1 81.1  
206 21.1 17.1 25.7





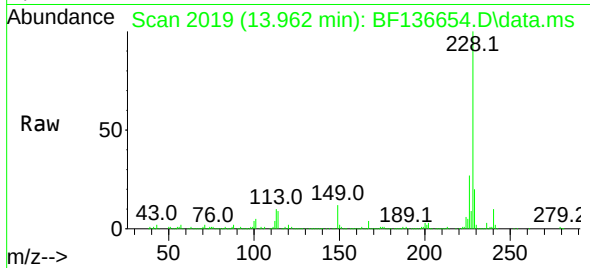
#81  
Benzo(a)anthracene  
Concen: 40.423 ng  
RT: 13.962 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

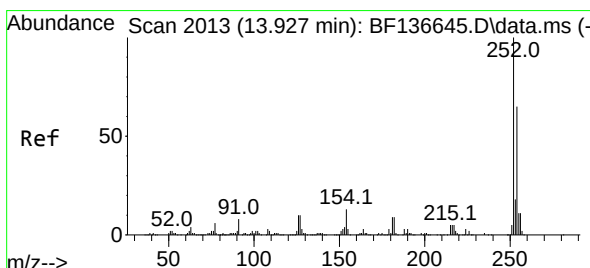
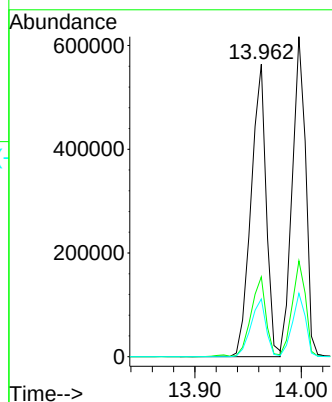
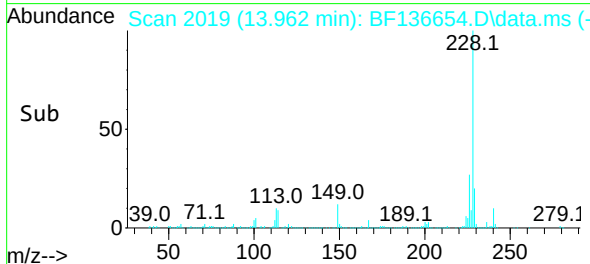


Tgt Ion:228 Resp: 55818  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.4 32.0  
229 19.7 14.9 22.3

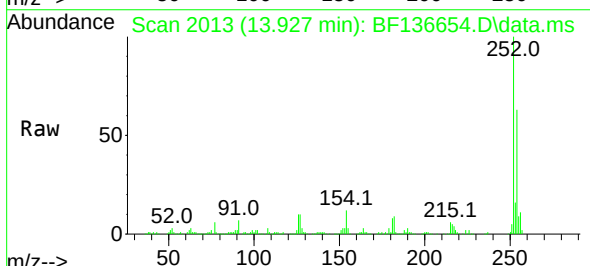
Manual Integrations

APPROVED

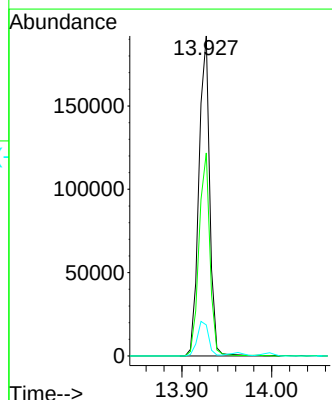
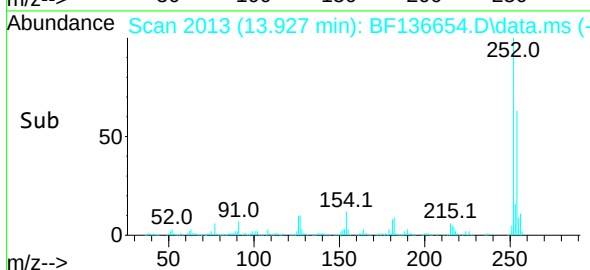
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

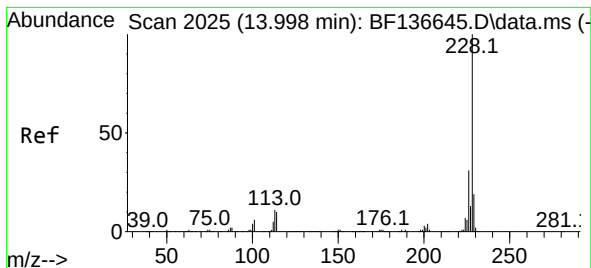


#82  
3,3'-Dichlorobenzidine  
Concen: 40.839 ng  
RT: 13.927 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:252 Resp: 160153  
Ion Ratio Lower Upper  
252 100  
254 63.5 52.2 78.4  
126 9.7 8.0 12.0





#83

Chrysene

Concen: 40.205 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136654.D

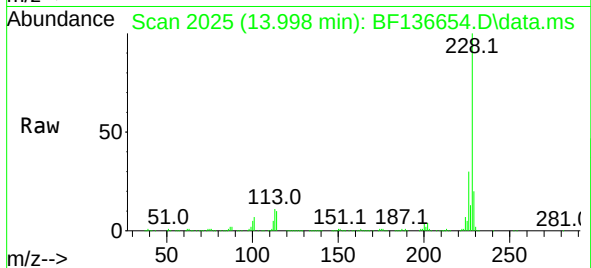
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS



Tgt Ion:228 Resp: 542914

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

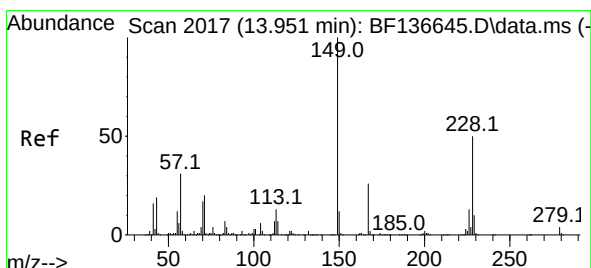
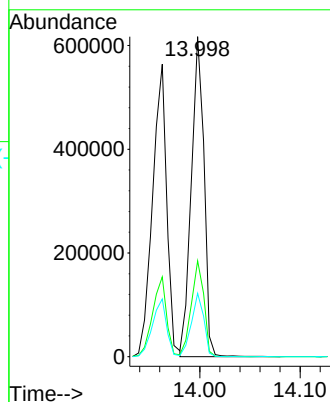
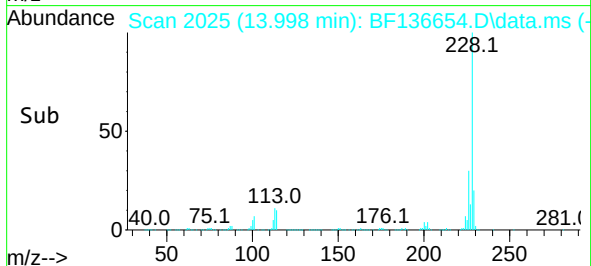
229 19.8 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.532 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

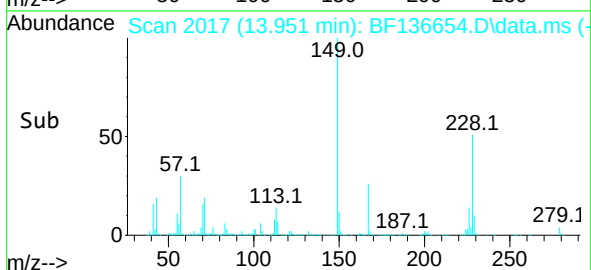
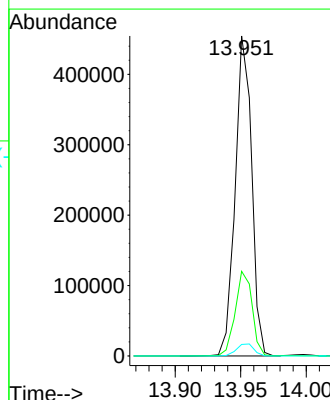
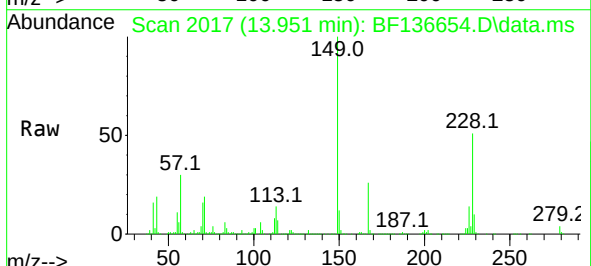
Tgt Ion:149 Resp: 397996

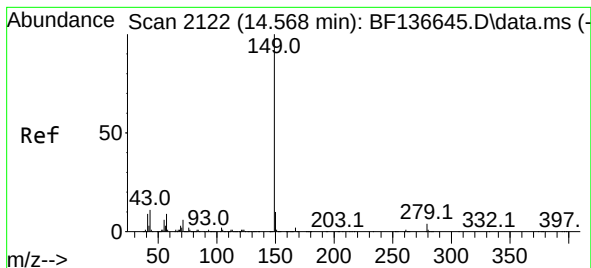
Ion Ratio Lower Upper

149 100

167 26.4 20.9 31.3

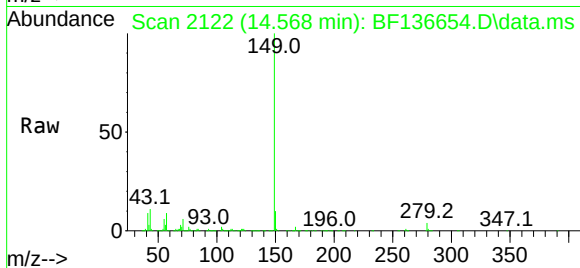
279 3.6 2.9 4.3





#85  
Di-n-octyl phthalate  
Concen: 45.088 ng  
RT: 14.568 min Scan# 2122  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

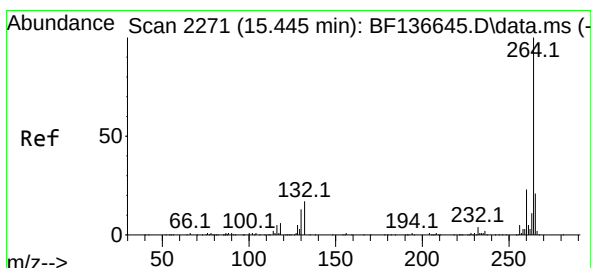
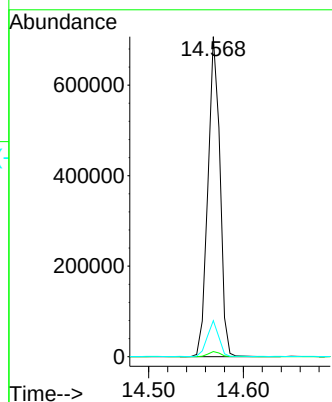
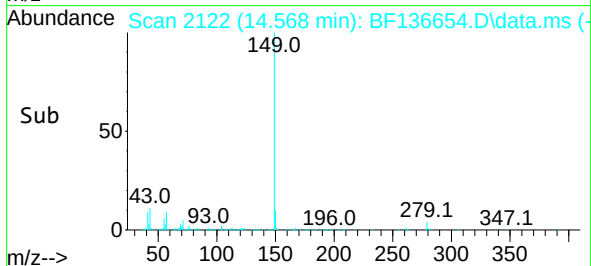
Instrument :  
BNA\_F  
ClientSampleId :  
PB157565BS



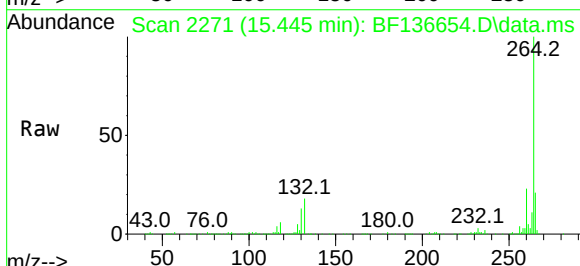
Tgt Ion:149 Resp: 623334  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 10.8 8.9 13.3

Manual Integrations  
APPROVED

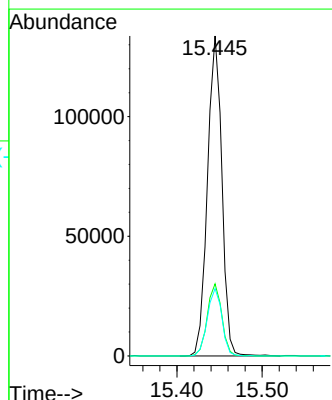
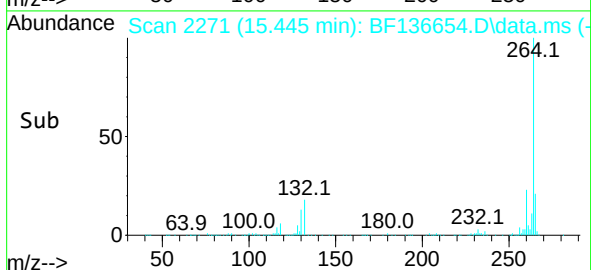
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023

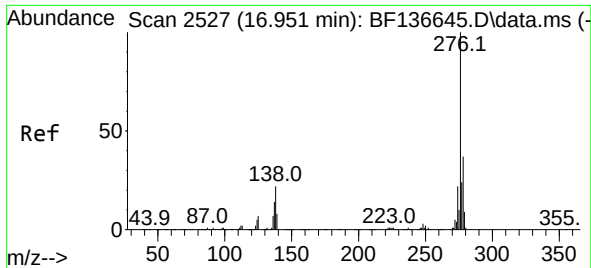


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33



Tgt Ion:264 Resp: 157102  
Ion Ratio Lower Upper  
264 100  
260 22.6 18.3 27.5  
265 21.0 17.0 25.6





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 48.821 ng  
RT: 16.950 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

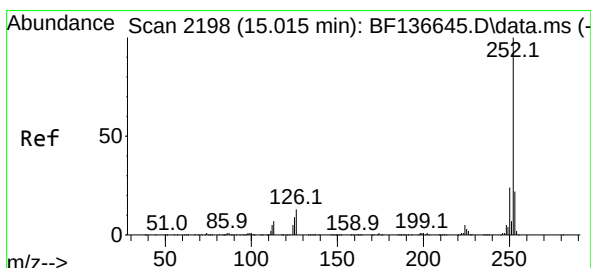
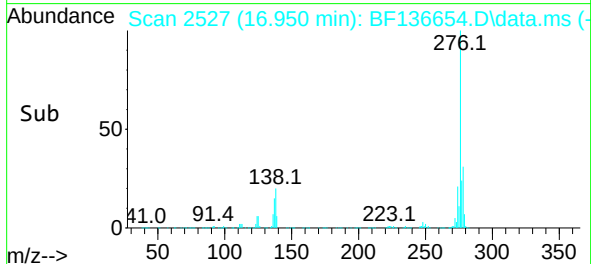
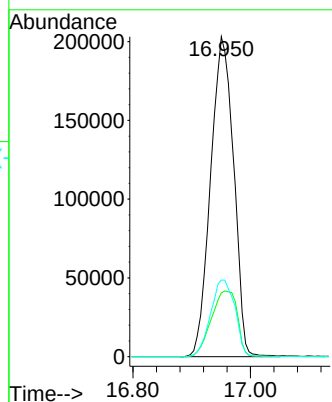
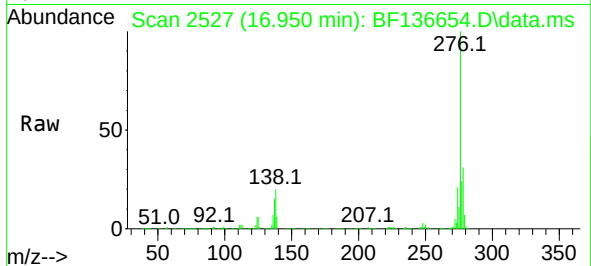
PB157565BS

Tgt Ion:276 Resp: 553779  
Ion Ratio Lower Upper  
276 100  
138 23.2 18.7 28.1  
277 25.3 20.2 30.2

Manual Integrations

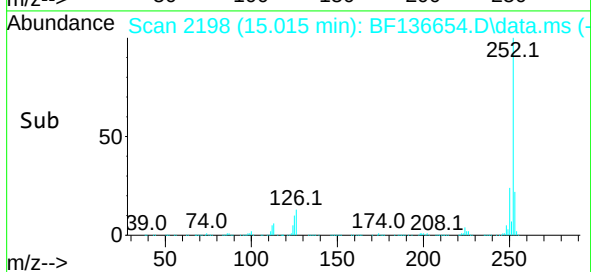
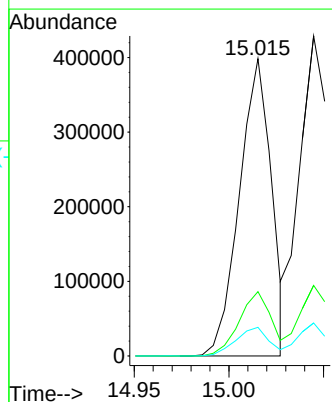
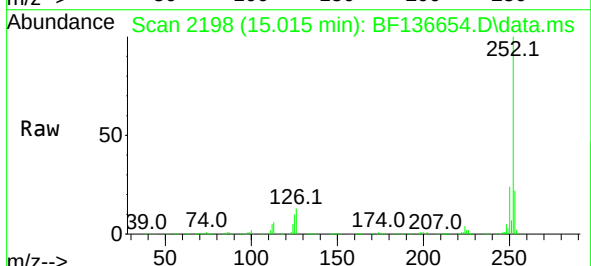
APPROVED

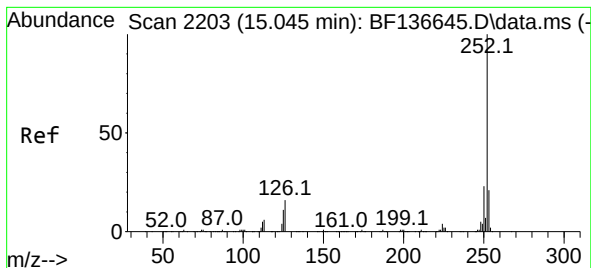
Reviewed By :Yogesh Patel 12/21/2023  
Supervised By :mohammad ahmed 12/21/2023



#88  
Benzo(b)fluoranthene  
Concen: 44.772 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: BF136654.D  
Acq: 20 Dec 2023 18:33

Tgt Ion:252 Resp: 469788  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.4 26.0  
125 9.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 45.979 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

Tgt Ion:252 Resp: 45588

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

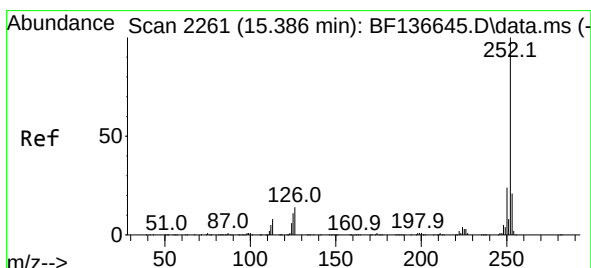
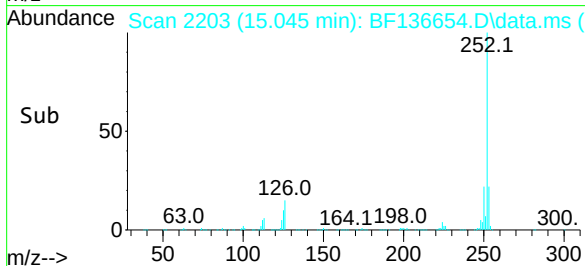
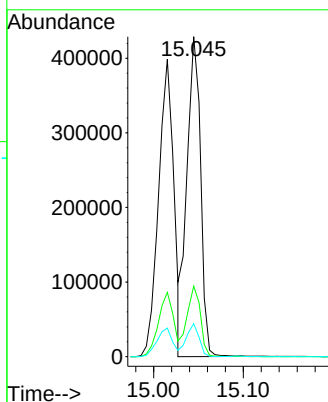
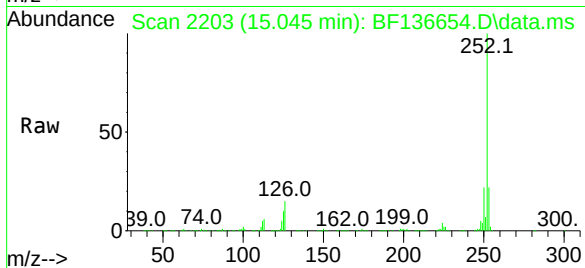
125 10.3 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#90

Benzo(a)pyrene

Concen: 46.383 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

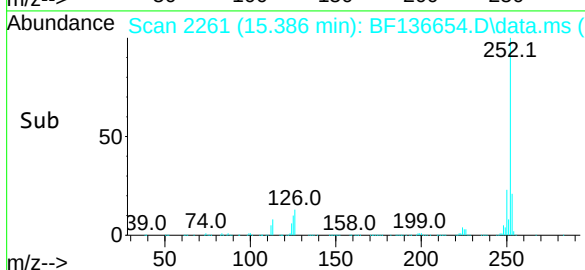
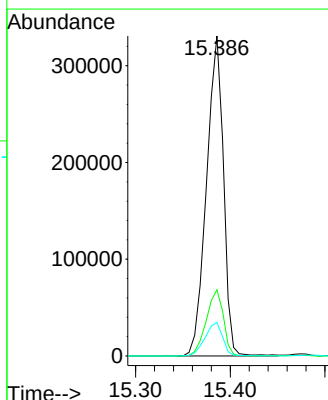
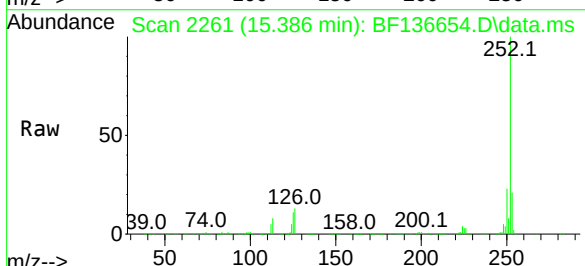
Tgt Ion:252 Resp: 410822

Ion Ratio Lower Upper

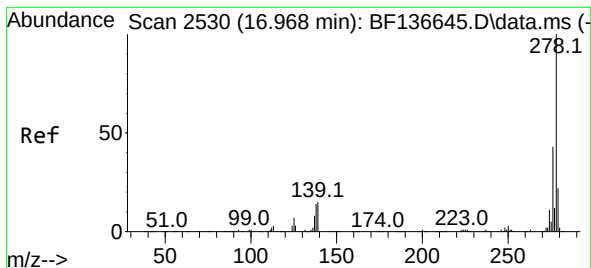
252 100

253 20.7 17.0 25.6

125 10.5 8.8 13.2







#91

Dibenzo(a,h)anthracene

Concen: 50.252 ng

RT: 16.974 min Scan# 2531

Delta R.T. 0.006 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Instrument :

BNA\_F

ClientSampleId :

PB157565BS

Tgt Ion:278 Resp: 467630

Ion Ratio Lower Upper

278 100

139 14.6 12.2 18.4

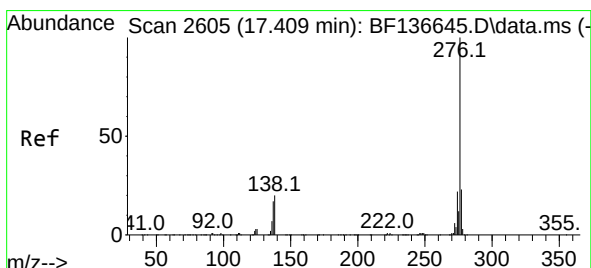
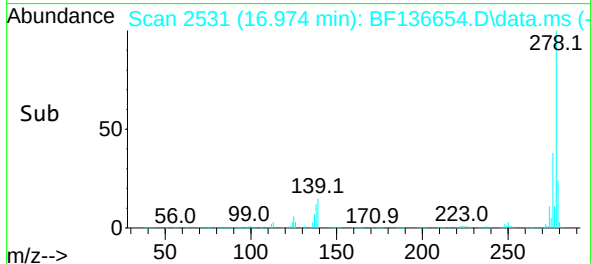
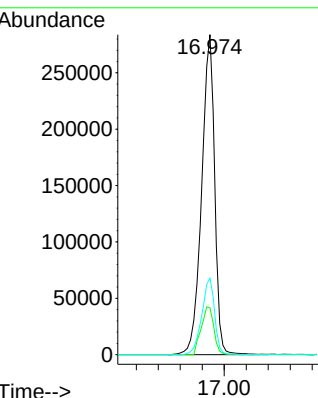
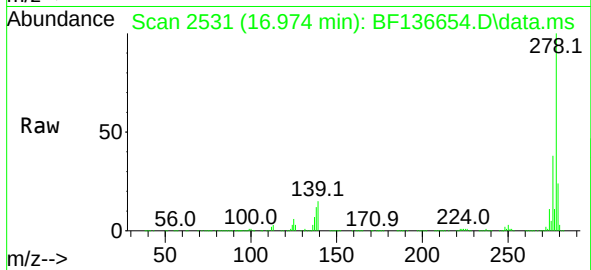
279 23.9 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#92

Benzo(g,h,i)perylene

Concen: 48.329 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.000 min

Lab File: BF136654.D

Acq: 20 Dec 2023 18:33

Tgt Ion:276 Resp: 460626

Ion Ratio Lower Upper

276 100

277 24.1 18.3 27.5

138 20.4 15.6 23.4

