

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
 Data File : BF136511.D  
 Acq On : 12 Dec 2023 12:26  
 Operator : CG\JU  
 Sample : PB157455BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157455BS

Quant Time: Dec 12 13:19:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 128635   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 551530   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 293123   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.327 | 188  | 548616   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 281695   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.456 | 264  | 262413   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 993542   | 114.066 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.451  | 99   | 1241085  | 114.203 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 753199   | 73.828  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 431064   | 119.269 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1604289  | 74.680  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 1781837  | 83.372  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.657  | 88   | 116215   | 33.733  | ng    | 97       |
| 3) Pyridine                   | 3.416  | 79   | 268362   | 32.165  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 138579   | 38.231  | ng    | 99       |
| 6) Aniline                    | 6.463  | 93   | 388717   | 35.394  | ng    | # 6      |
| 8) 2-Chlorophenol             | 6.586  | 128  | 393544   | 41.387  | ng    | 98       |
| 9) Benzaldehyde               | 6.351  | 77   | 199661   | 35.391  | ng    | 98       |
| 10) Phenol                    | 6.463  | 94   | 452145   | 39.100  | ng    | 82       |
| 11) bis(2-Chloroethyl)ether   | 6.539  | 93   | 344340   | 39.949  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.739  | 146  | 397845   | 37.203  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 405471   | 37.378  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.969  | 146  | 388081   | 38.044  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 311446   | 42.798  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 424112   | 38.257  | ng    | 94       |
| 17) 2-Methylphenol            | 7.063  | 107  | 317423   | 41.319  | ng    | 94       |
| 18) Hexachloroethane          | 7.304  | 117  | 143014   | 37.761  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 252949   | 40.350  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 390363   | 40.938  | ng    | # 84     |
| 22) Acetophenone              | 7.210  | 105  | 534934   | 39.277  | ng    | 97       |
| 24) Nitrobenzene              | 7.381  | 77   | 378439   | 36.874  | ng    | 100      |
| 25) Isophorone                | 7.622  | 82   | 713416   | 38.923  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 210040   | 41.629  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.739  | 122  | 354526   | 56.985  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.833  | 93   | 444218   | 39.441  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 335574   | 40.864  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 360090   | 37.605  | ng    | 96       |
| 31) Naphthalene               | 8.098  | 128  | 1138941  | 37.447  | ng    | 99       |
| 32) Benzoic acid              | 7.880  | 122  | 268688   | 43.535  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.151  | 127  | 295562   | 27.258  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.210  | 225  | 207826   | 36.622  | ng    | 99       |
| 35) Caprolactam               | 8.533  | 113  | 116214m  | 45.955  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 366669   | 42.053  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 752144   | 38.871  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 8.892  | 142  | 704729   | 37.116  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 368845   | 40.446  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 365768   | 108.263 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 247916   | 41.751  | ng    | 97       |

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 Sample : PB157455BS  
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Instrument :  
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Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

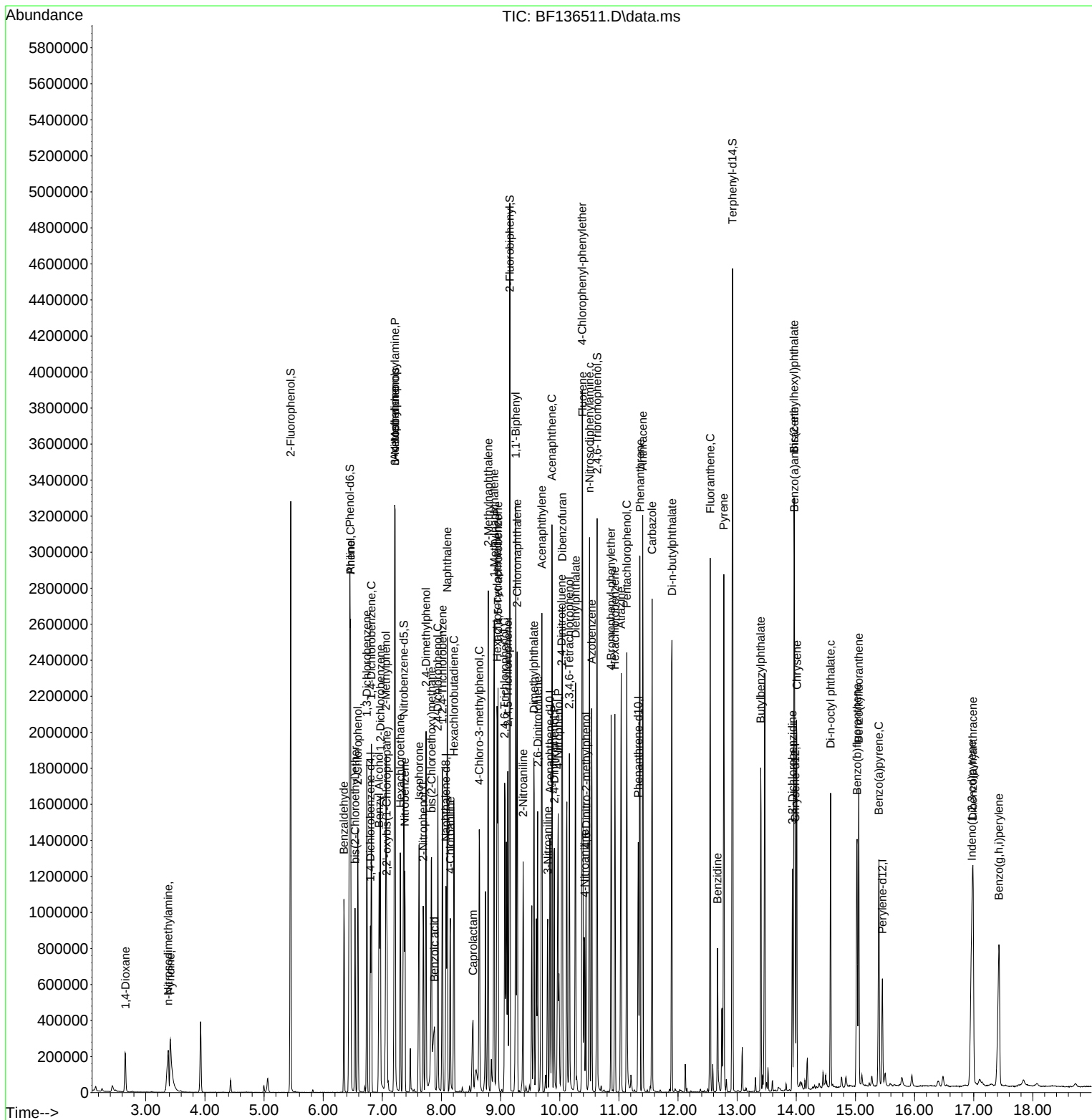
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

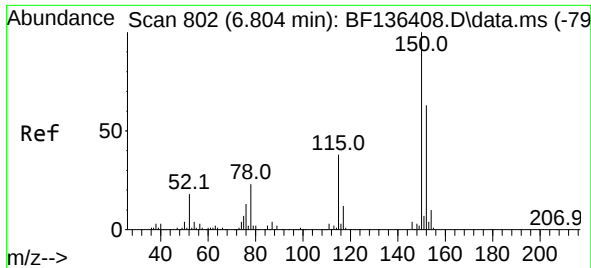
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 268108   | 40.455 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 984377   | 39.467 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.280  | 162  | 737927   | 38.013 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.380  | 65   | 212583   | 40.830 | ng    | 96       |
| 49) Acenaphthylene            | 9.698  | 152  | 1109453  | 40.119 | ng    | 99       |
| 50) Dimethylphthalate         | 9.563  | 163  | 899923   | 41.700 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.627  | 165  | 199762   | 41.145 | ng    | 95       |
| 52) Acenaphthene              | 9.869  | 154  | 696572   | 39.308 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 166880   | 33.660 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 218411   | 88.976 | ng    | 99       |
| 55) Dibenzofuran              | 10.045 | 168  | 1018192  | 39.331 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.974  | 139  | 305391   | 82.169 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 261527   | 40.719 | ng    | 97       |
| 58) Fluorene                  | 10.386 | 166  | 817806   | 39.353 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232  | 231978   | 43.699 | ng    | 98       |
| 60) Diethylphthalate          | 10.269 | 149  | 867968   | 40.901 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204  | 400136   | 39.498 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 200983   | 40.826 | ng    | 99       |
| 63) Azobenzene                | 10.539 | 77   | 764439   | 39.576 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 151989   | 44.734 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.504 | 169  | 741858   | 42.142 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248  | 262239   | 41.113 | ng    | # 91     |
| 68) Hexachlorobenzene         | 10.933 | 284  | 298755   | 40.525 | ng    | 98       |
| 69) Atrazine                  | 11.039 | 200  | 330078   | 65.694 | ng    | 97       |
| 70) Pentachlorophenol         | 11.133 | 266  | 304016   | 73.068 | ng    | 99       |
| 71) Phenanthrene              | 11.357 | 178  | 1250986  | 41.486 | ng    | 100      |
| 72) Anthracene                | 11.404 | 178  | 1261966  | 41.550 | ng    | 99       |
| 73) Carbazole                 | 11.563 | 167  | 1075589  | 40.012 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.898 | 149  | 1341249  | 40.700 | ng    | 100      |
| 75) Fluoranthene              | 12.545 | 202  | 1195400  | 37.829 | ng    | 98       |
| 77) Benzidine                 | 12.668 | 184  | 311466   | 44.831 | ng    | 99       |
| 78) Pyrene                    | 12.774 | 202  | 1173090  | 42.522 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 423875   | 43.161 | ng    | 91       |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 810450   | 41.304 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 251915   | 45.790 | ng    | 98       |
| 83) Chrysene                  | 14.009 | 228  | 771358   | 39.956 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.962 | 149  | 517236   | 42.962 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 770463   | 43.325 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 854971   | 46.898 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 741644   | 41.336 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 696519   | 41.193 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 635978   | 42.922 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 712646   | 47.716 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 707499   | 46.153 | ng    | 100      |

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

## Manual Integrations

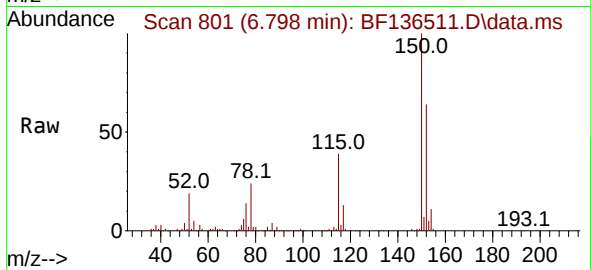
Quant Time: Dec 12 13:19:17 2023  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 06 09:40:27 2023  
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

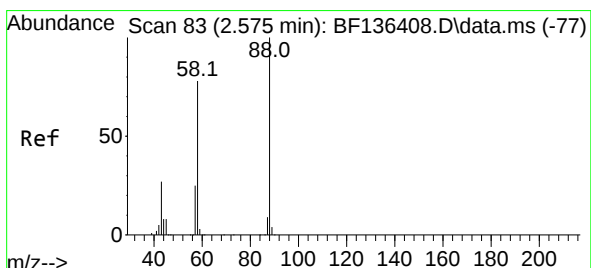
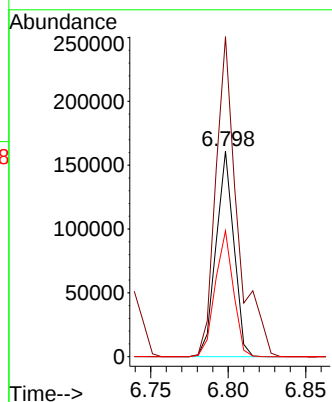
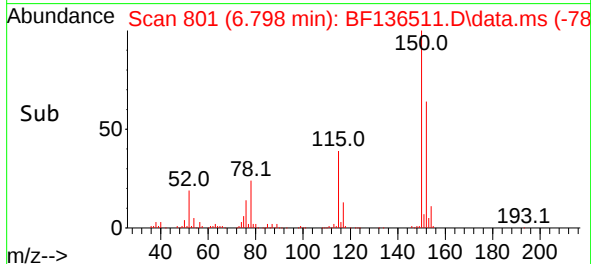
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



Tgt Ion:152 Resp: 12863  
Ion Ratio Lower Upper  
152 100  
150 155.7 126.4 189.6  
115 61.3 48.2 72.4

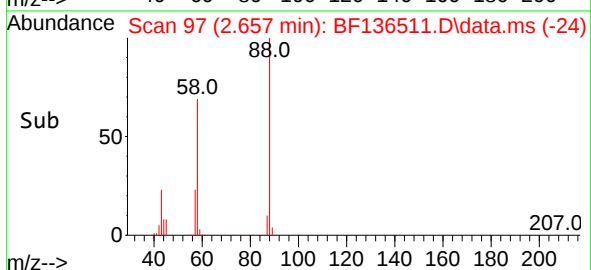
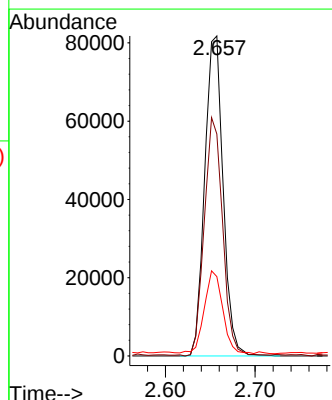
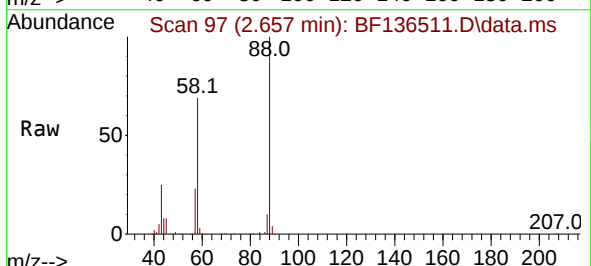
Manual Integrations  
APPROVED

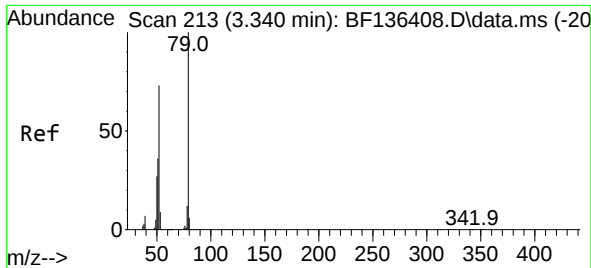
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#2  
1,4-Dioxane  
Concen: 33.733 ng  
RT: 2.657 min Scan# 97  
Delta R.T. 0.082 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

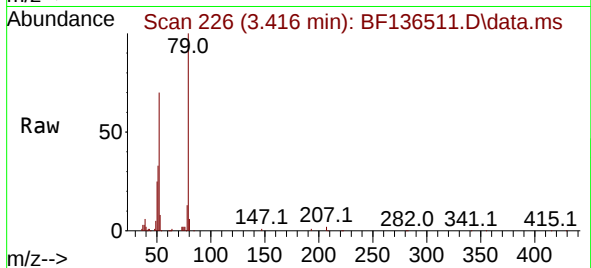
Tgt Ion: 88 Resp: 116215  
Ion Ratio Lower Upper  
88 100  
58 74.7 62.2 93.2  
43 25.8 21.5 32.3





#3  
Pyridine  
Concen: 32.165 ng  
RT: 3.416 min Scan# 21  
Delta R.T. 0.076 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

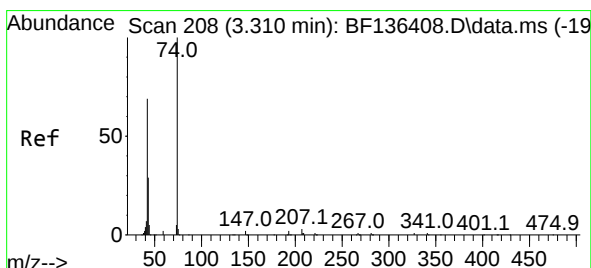
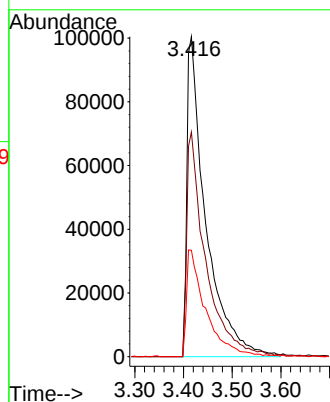
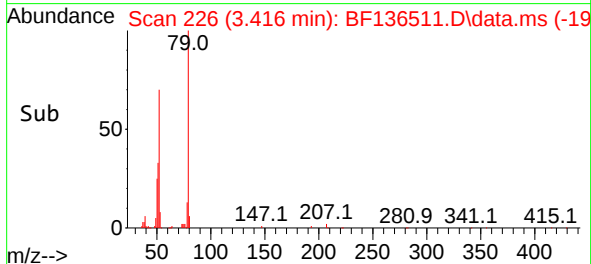
Instrument :  
BNA\_F  
ClientSampleId :  
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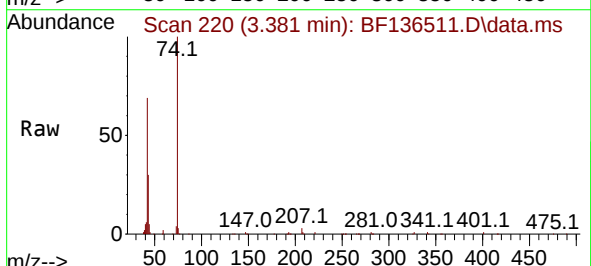
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Ion Ratio Lower Upper  
79 100  
52 70.2 58.2 87.2  
51 33.3 29.1 43.7

Manual Integrations  
APPROVED

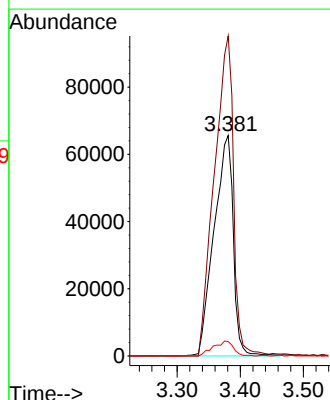
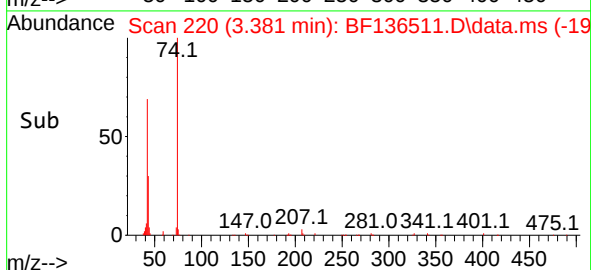
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

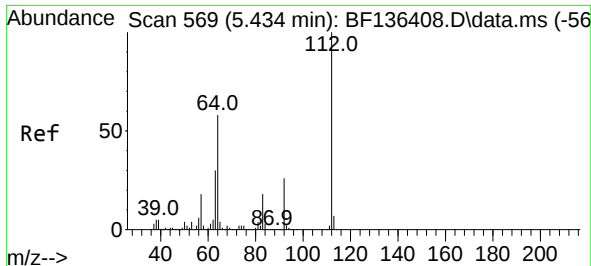


#4  
n-Nitrosodimethylamine  
Concen: 38.231 ng  
RT: 3.381 min Scan# 220  
Delta R.T. 0.070 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



Tgt Ion: 42 Resp: 138579  
Ion Ratio Lower Upper  
42 100  
74 145.1 115.4 173.0  
44 6.5 6.2 9.2





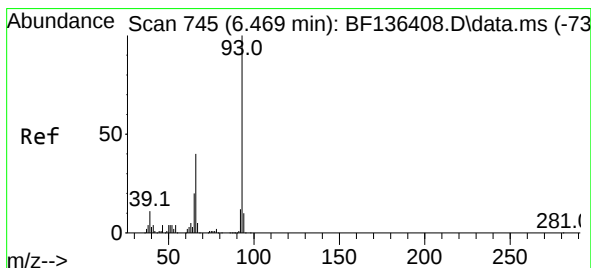
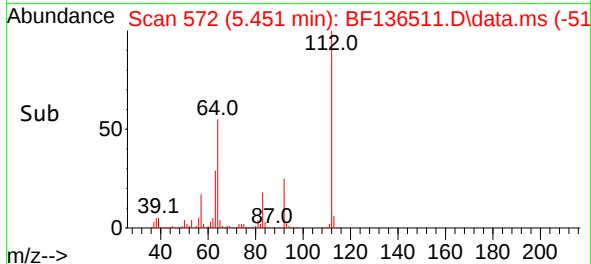
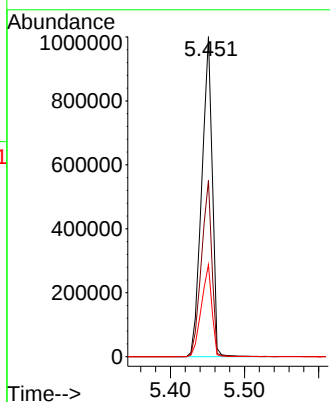
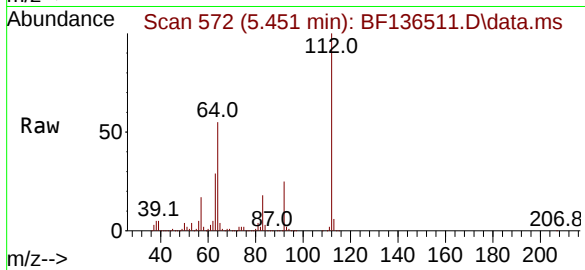
#5  
2-Fluorophenol  
Concen: 114.066 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS

Tgt Ion:112 Resp: 99354  
Ion Ratio Lower Upper  
112 100  
64 55.1 46.5 69.7  
63 28.7 23.9 35.9

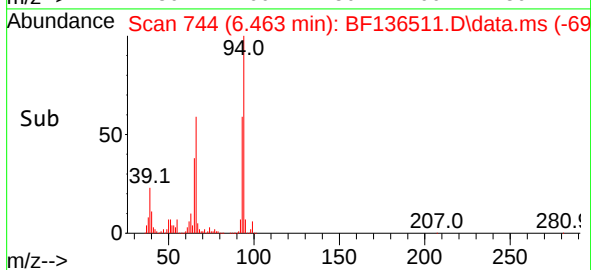
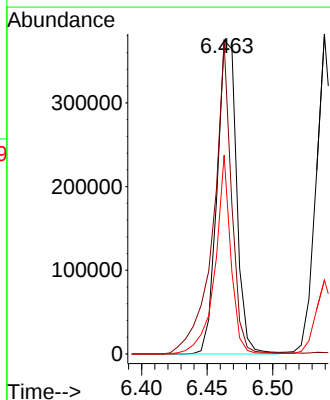
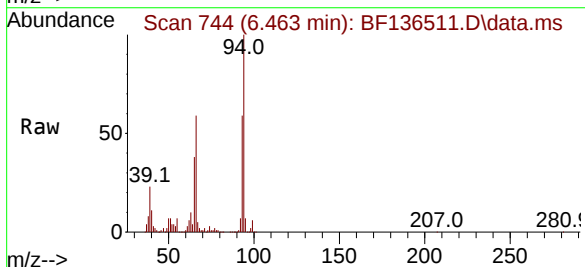
Manual Integrations  
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Supervised By :mohammad ahmed 12/14/2023



#6  
Aniline  
Concen: 35.394 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

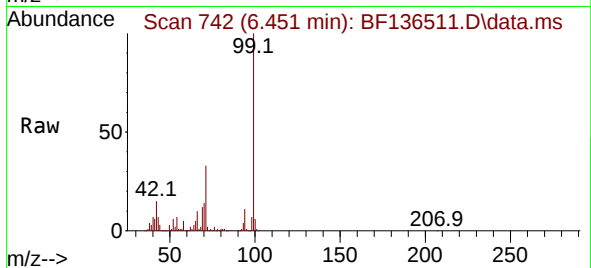
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Ion Ratio Lower Upper  
93 100  
66 99.2 32.5 48.7#  
65 63.3 16.4 24.6#





#7  
Phenol-d6  
Concen: 114.203 ng  
RT: 6.451 min Scan# 741  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

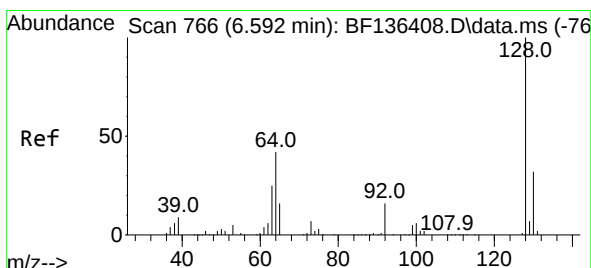
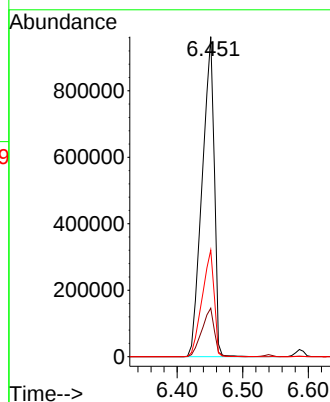
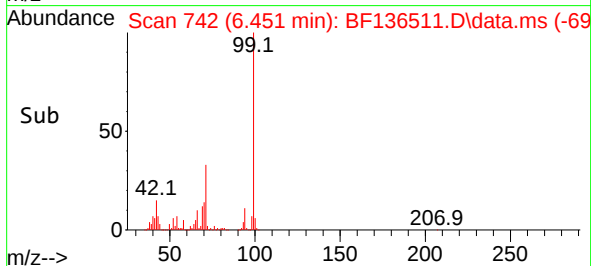
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



Tgt Ion: 99 Resp: 1241085  
Ion Ratio Lower Upper  
99 100  
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71 33.3 27.0 40.4

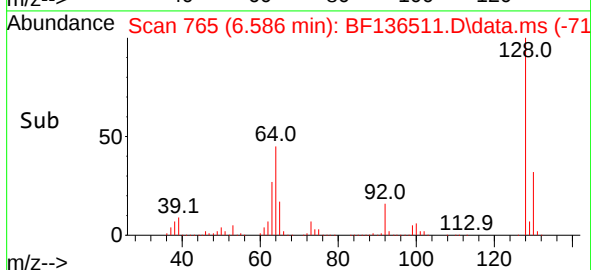
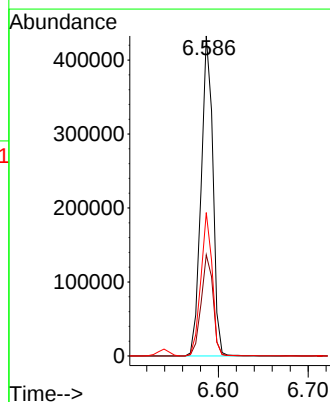
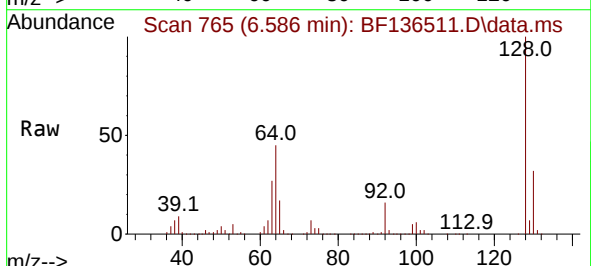
Manual Integrations  
APPROVED

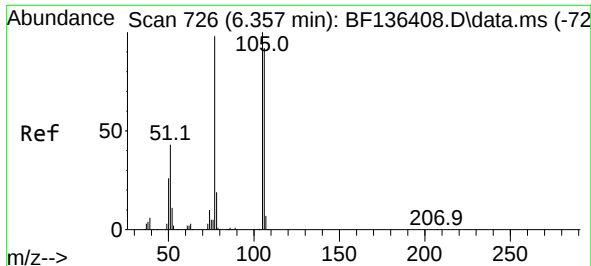
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#8  
2-Chlorophenol  
Concen: 41.387 ng  
RT: 6.586 min Scan# 765  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:128 Resp: 393544  
Ion Ratio Lower Upper  
128 100  
130 31.6 11.7 51.7  
64 44.8 22.5 62.5





#9

Benzaldehyde

Concen: 35.391 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136511.D

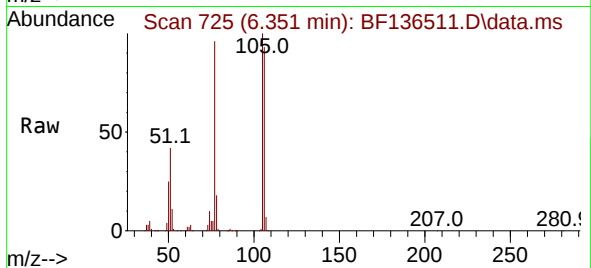
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS



Tgt Ion: 77 Resp: 19966

Ion Ratio Lower Upper

77 100

105 104.3 82.5 122.5

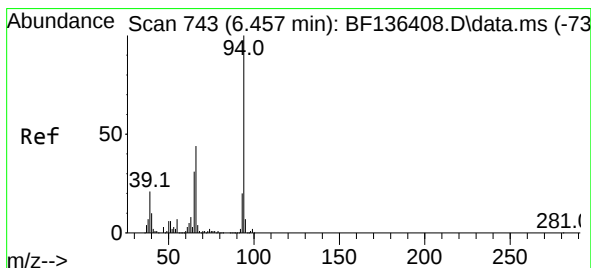
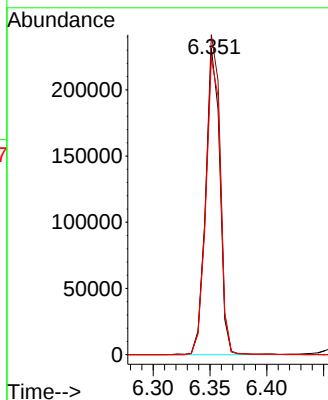
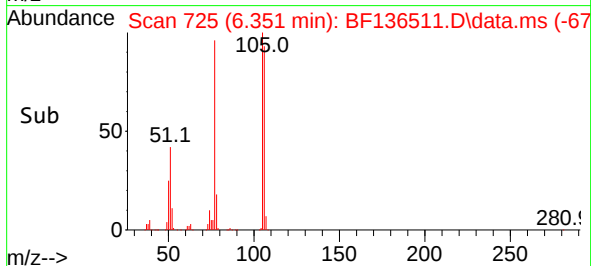
106 96.5 74.5 114.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#10

Phenol

Concen: 39.100 ng

RT: 6.463 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

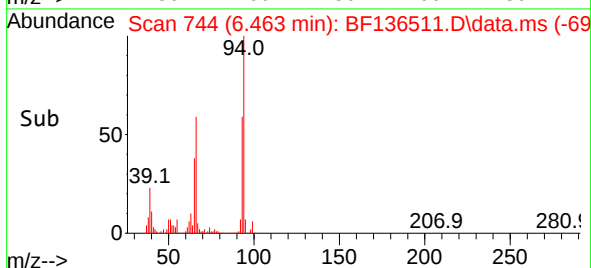
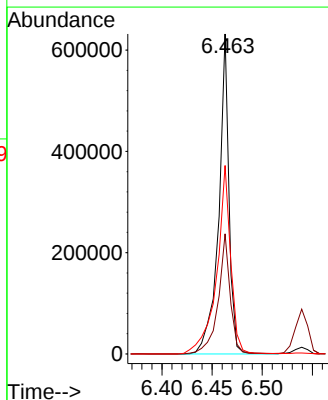
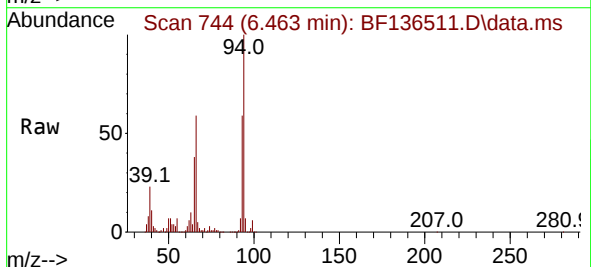
Tgt Ion: 94 Resp: 452145

Ion Ratio Lower Upper

94 100

65 37.6 11.2 51.2

66 58.9 24.2 64.2





#11

bis(2-Chloroethyl)ether

Concen: 39.949 ng

RT: 6.539 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion: 93 Resp: 344340

Ion Ratio Lower Upper

93 100

63 74.3 56.8 96.8

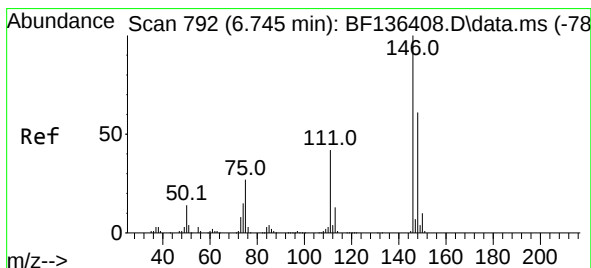
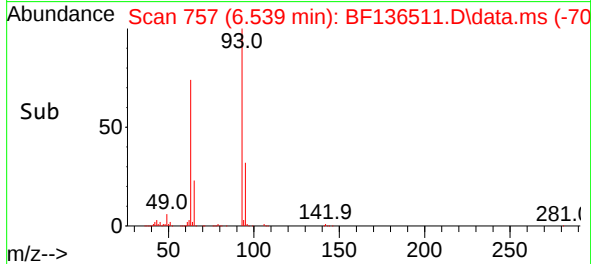
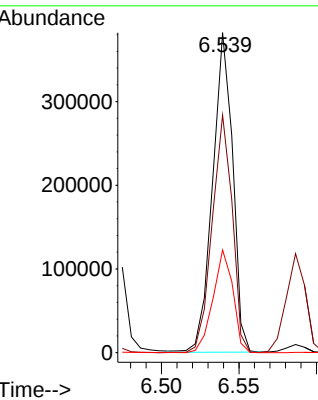
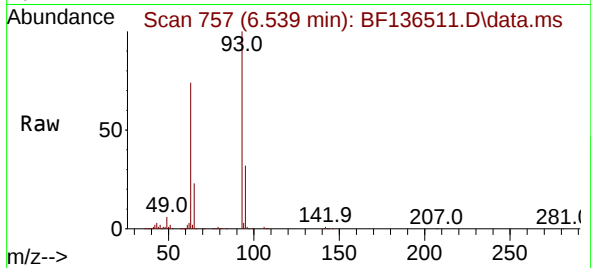
95 32.1 11.8 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#12

1,3-Dichlorobenzene

Concen: 37.203 ng

RT: 6.739 min Scan# 791

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

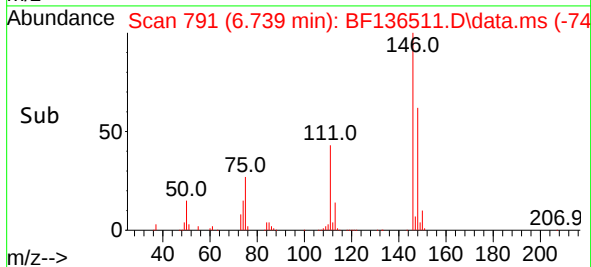
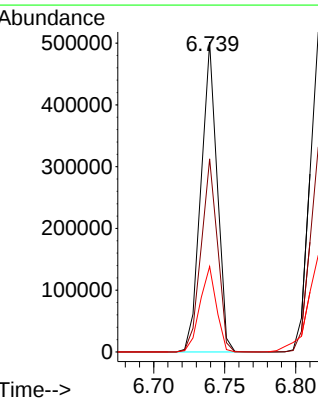
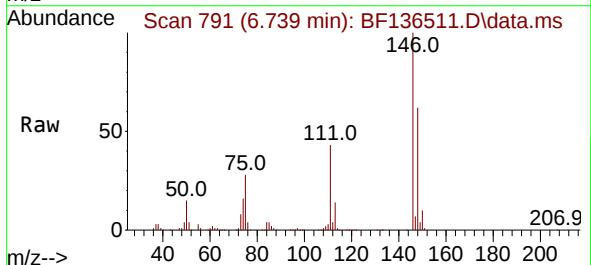
Tgt Ion:146 Resp: 397845

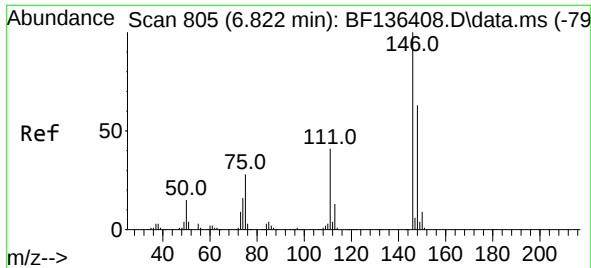
Ion Ratio Lower Upper

146 100

148 62.3 49.0 73.6

75 27.6 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 37.378 ng

RT: 6.816 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:146 Resp: 40547

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

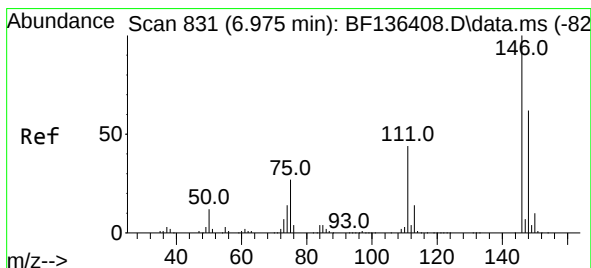
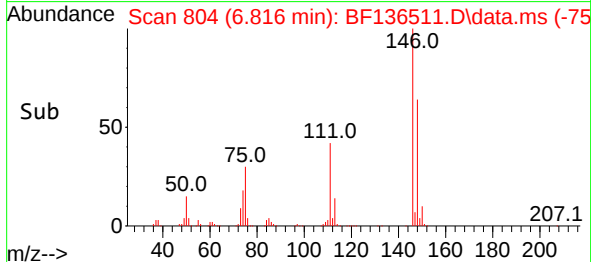
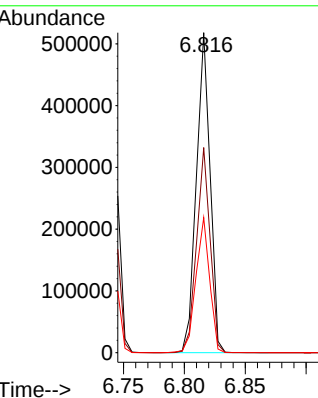
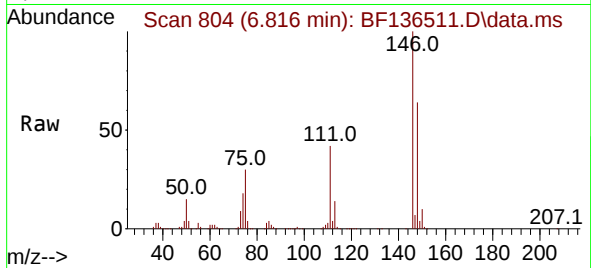
111 42.2 32.6 49.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#14

1,2-Dichlorobenzene

Concen: 38.044 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

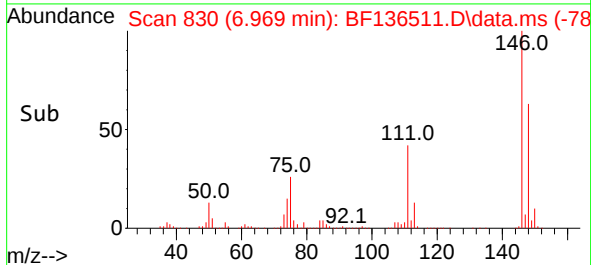
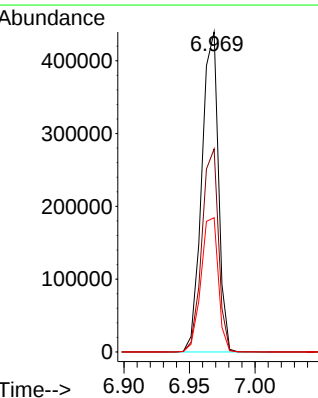
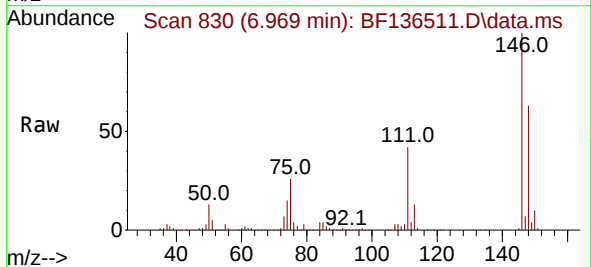
Tgt Ion:146 Resp: 388081

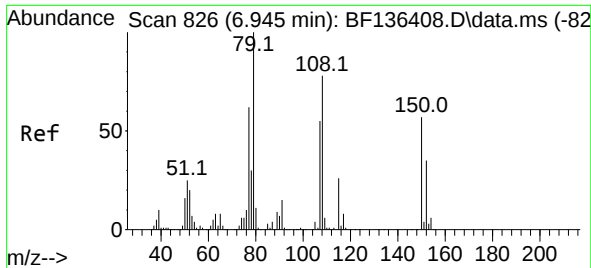
Ion Ratio Lower Upper

146 100

148 63.4 49.8 74.6

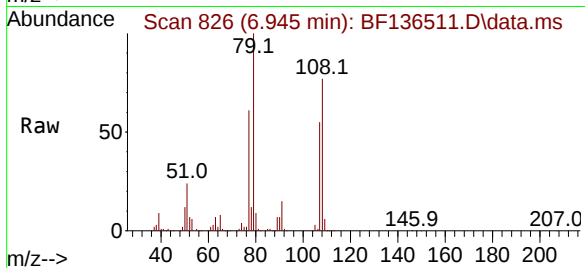
111 41.9 34.9 52.3





#15  
Benzyl Alcohol  
Concen: 42.798 ng  
RT: 6.945 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

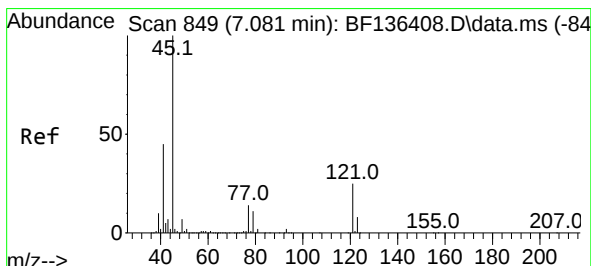
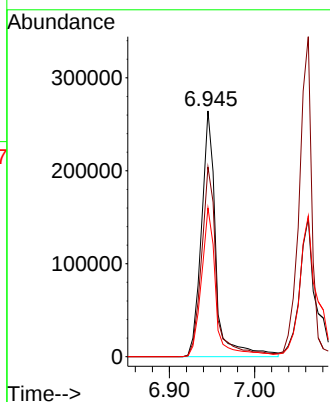
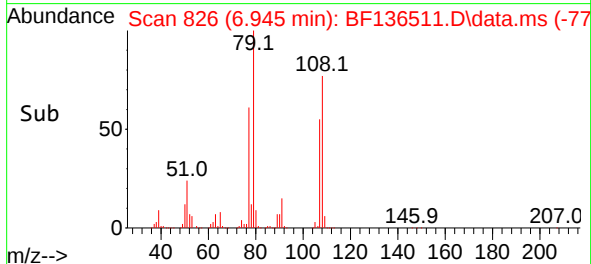
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



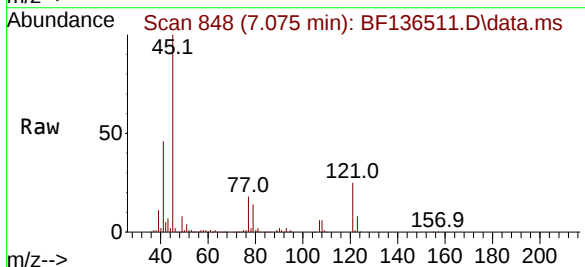
Tgt Ion: 79 Resp: 311440  
Ion Ratio Lower Upper  
79 100  
108 77.2 62.3 93.5  
77 60.5 49.8 74.8

Manual Integrations  
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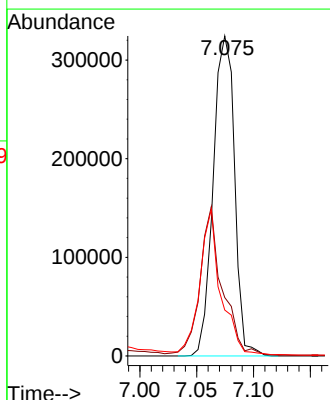
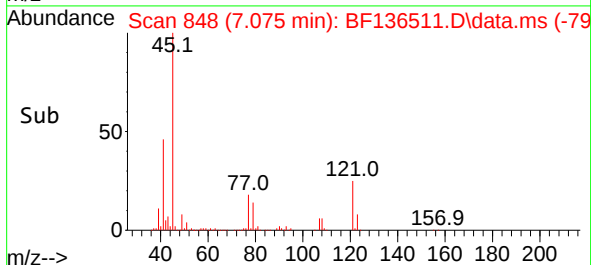
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.257 ng  
RT: 7.075 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



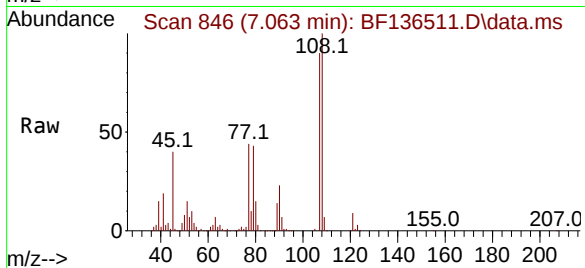
Tgt Ion: 45 Resp: 424112  
Ion Ratio Lower Upper  
45 100  
77 18.3 0.0 35.3  
79 14.4 0.0 32.5





#17  
2-Methylphenol  
Concen: 41.319 ng  
RT: 7.063 min Scan# 845  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

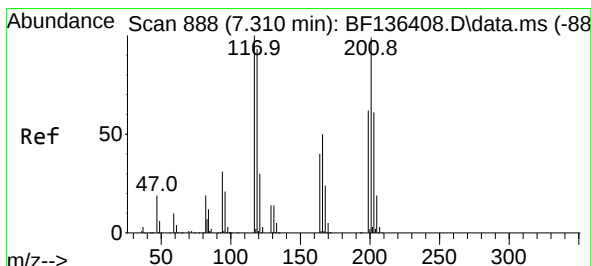
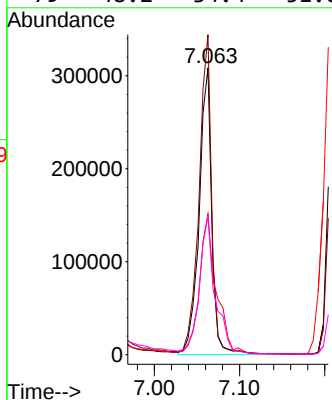
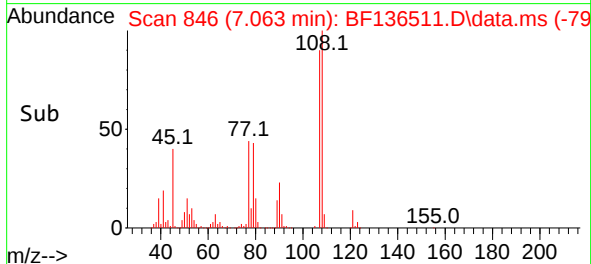
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



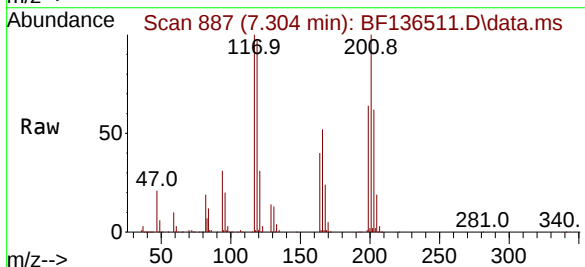
Tgt Ion:107 Resp: 31742  
Ion Ratio Lower Upper  
107 100  
108 111.6 86.5 129.7  
77 49.1 33.8 50.8  
79 48.2 34.4 51.6

Manual Integrations  
APPROVED

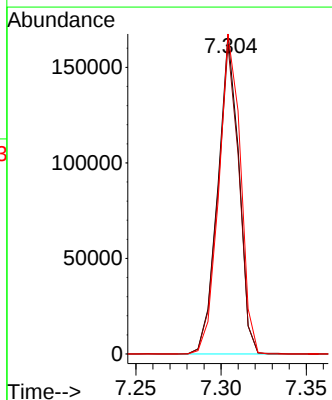
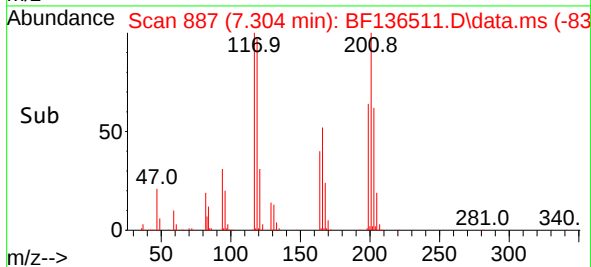
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#18  
Hexachloroethane  
Concen: 37.761 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



Tgt Ion:117 Resp: 143014  
Ion Ratio Lower Upper  
117 100  
119 96.6 74.3 111.5  
201 100.1 79.3 118.9





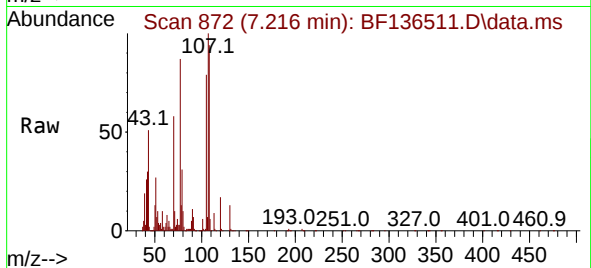
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.350 ng  
RT: 7.216 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS



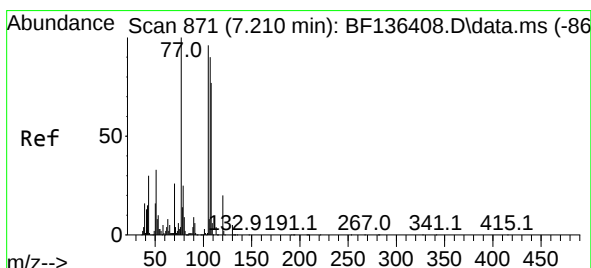
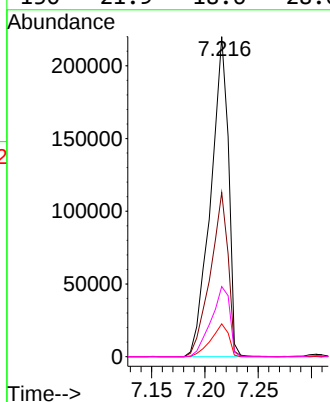
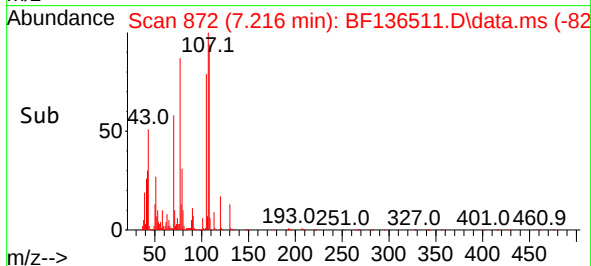
Tgt Ion: 70 Resp: 252949  
Ion Ratio Lower Upper  
70 100  
42 51.3 41.4 62.0  
101 10.3 8.2 12.4  
130 21.9 18.6 28.0

Manual Integrations

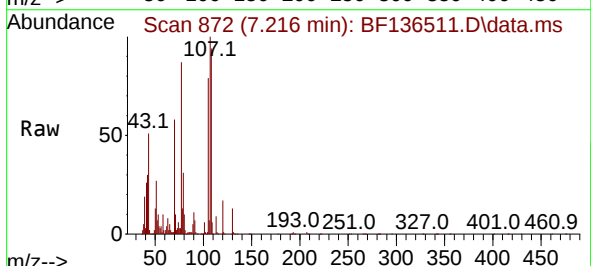
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

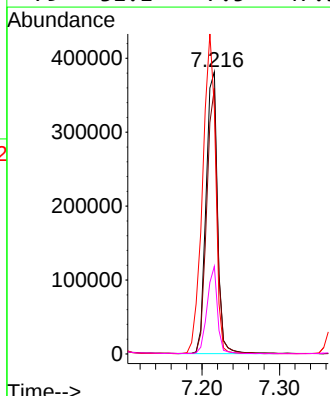
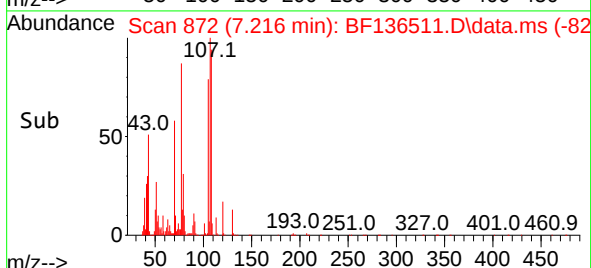
Supervised By :mohammad ahmed 12/14/2023

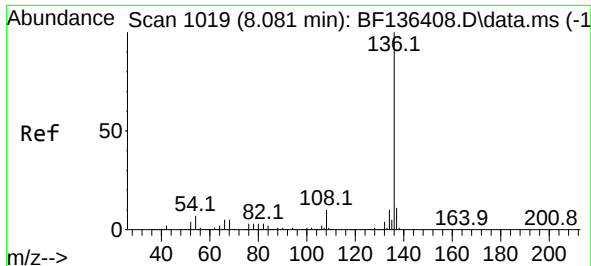


#20  
3+4-Methylphenols  
Concen: 40.938 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



Tgt Ion:107 Resp: 390363  
Ion Ratio Lower Upper  
107 100  
108 94.2 65.9 105.9  
77 87.0 91.7 131.7#  
79 31.1 7.5 47.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

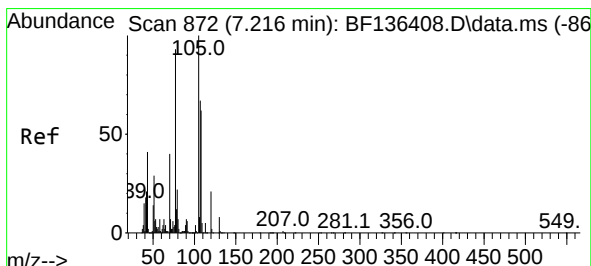
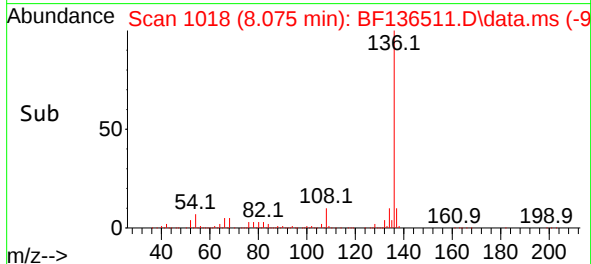
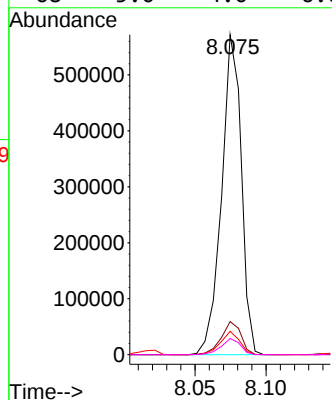
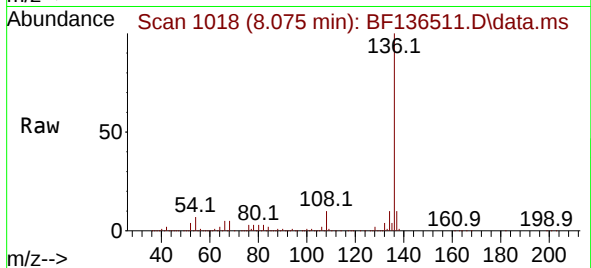
PB157455BS

Tgt Ion:136 Resp: 551530  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.6 12.8  
54 7.3 5.7 8.5  
68 5.0 4.0 6.0

Manual Integrations

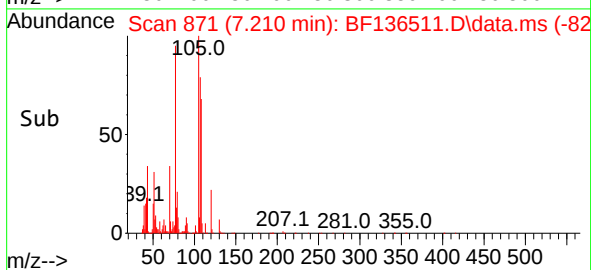
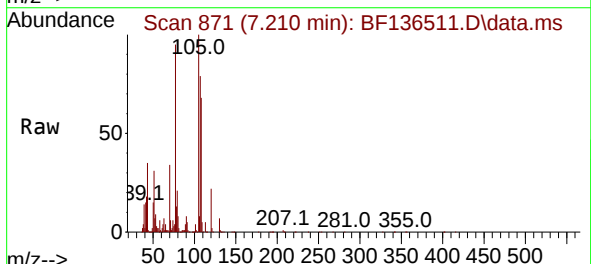
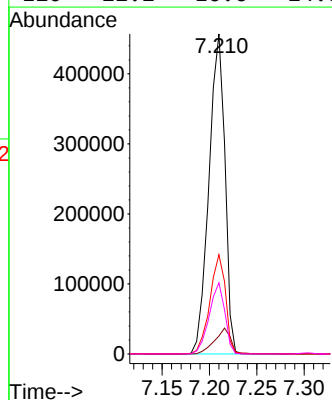
APPROVED

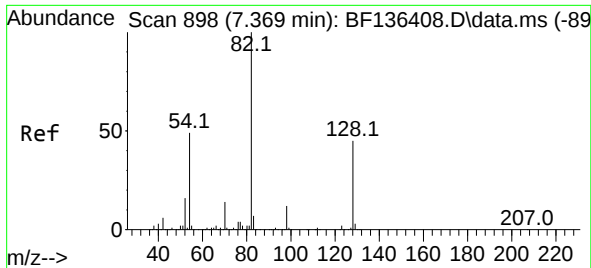
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#22  
Acetophenone  
Concen: 39.277 ng  
RT: 7.210 min Scan# 871  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:105 Resp: 534934  
Ion Ratio Lower Upper  
105 100  
71 5.6 5.4 8.0  
51 31.0 23.4 35.2  
120 22.2 16.6 24.8





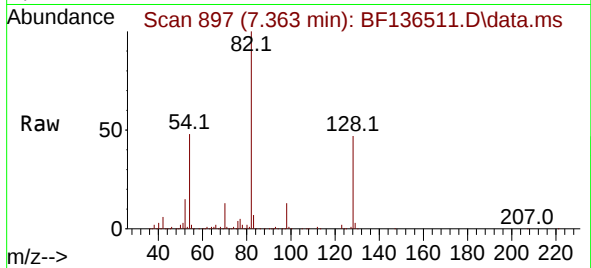
#23  
Nitrobenzene-d5  
Concen: 73.828 ng  
RT: 7.363 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

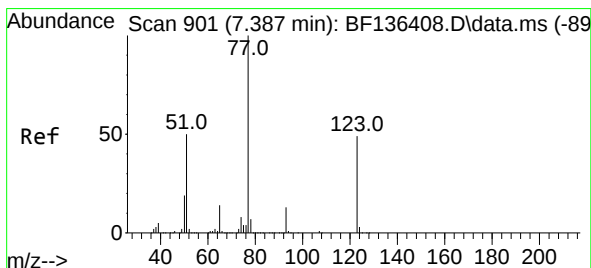
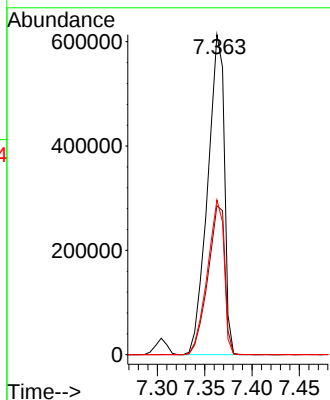
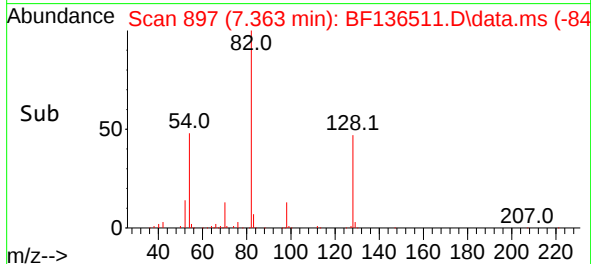
PB157455BS



Tgt Ion: 82 Resp: 753199  
Ion Ratio Lower Upper  
82 100  
128 46.5 36.3 54.5  
54 48.4 39.0 58.6

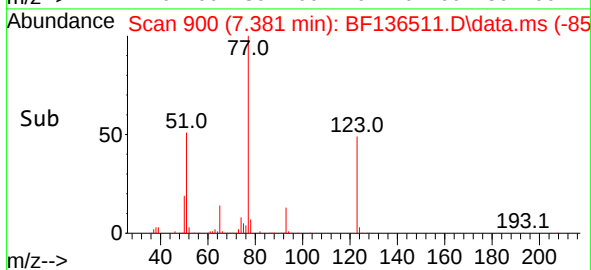
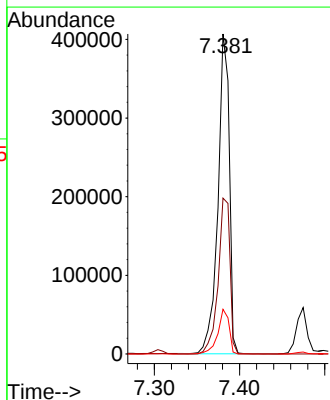
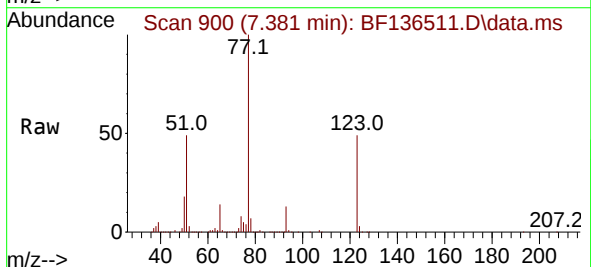
Manual Integrations  
APPROVED

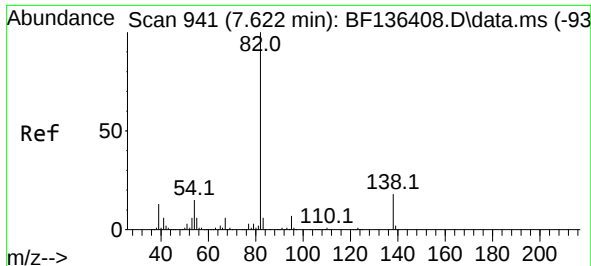
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#24  
Nitrobenzene  
Concen: 36.874 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion: 77 Resp: 378439  
Ion Ratio Lower Upper  
77 100  
123 48.7 39.0 58.6  
65 13.9 11.3 16.9





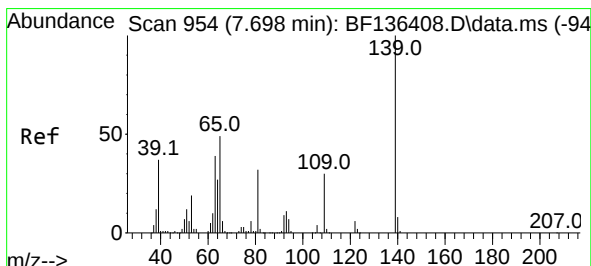
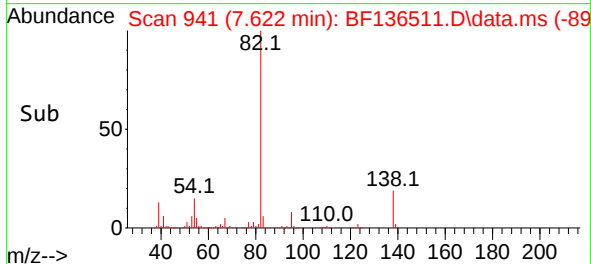
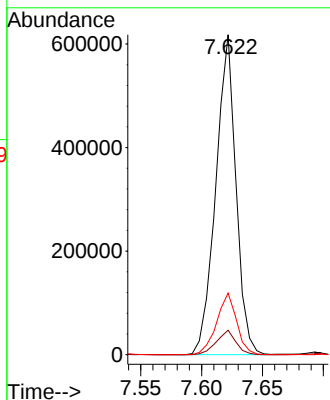
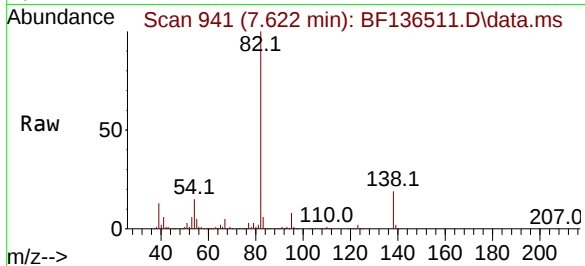
#25  
Isophorone  
Concen: 38.923 ng  
RT: 7.622 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS

Tgt Ion: 82 Resp: 713410  
Ion Ratio Lower Upper  
82 100  
95 7.6 5.7 8.5  
138 19.2 14.5 21.7

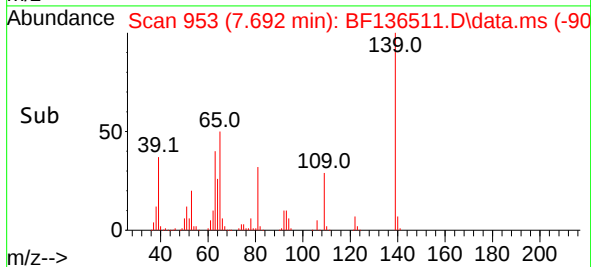
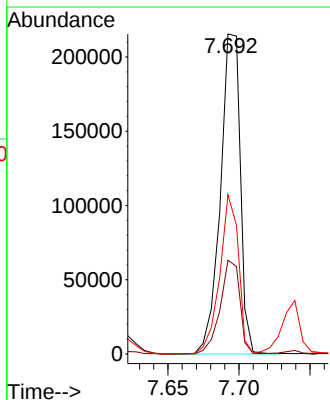
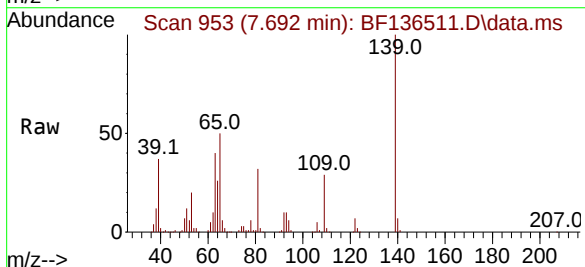
Manual Integrations  
APPROVED

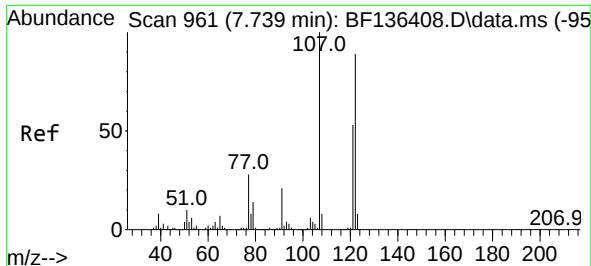
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#26  
2-Nitrophenol  
Concen: 41.629 ng  
RT: 7.692 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:139 Resp: 210040  
Ion Ratio Lower Upper  
139 100  
109 29.3 23.6 35.4  
65 49.8 39.4 59.2





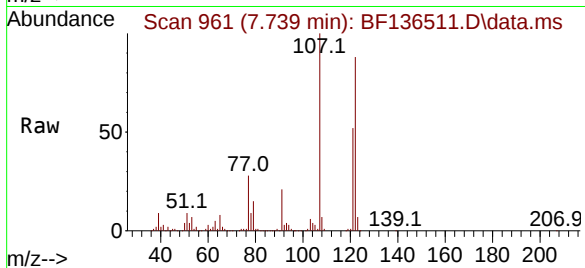
#27  
2,4-Dimethylphenol  
Concen: 56.985 ng  
RT: 7.739 min Scan# 961  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

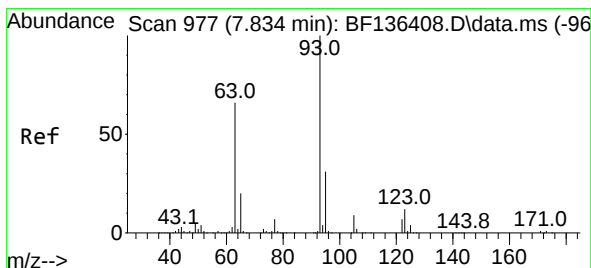
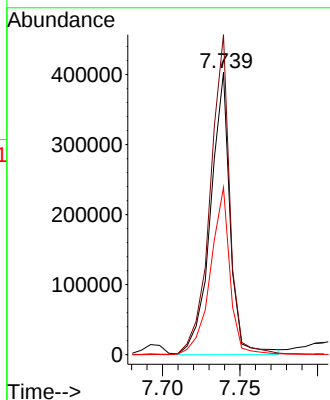
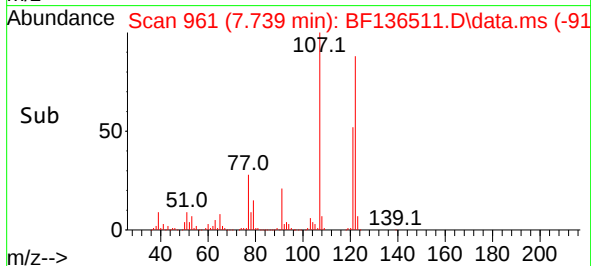


Tgt Ion:122 Resp: 354520  
Ion Ratio Lower Upper  
122 100  
107 113.4 89.3 133.9  
121 59.3 47.6 71.4

Manual Integrations

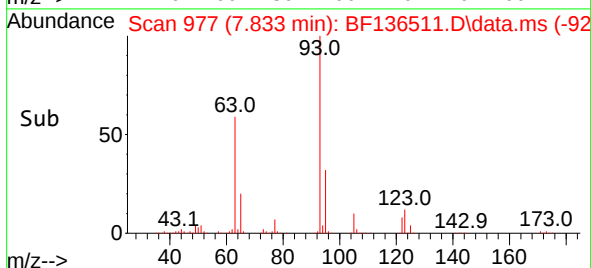
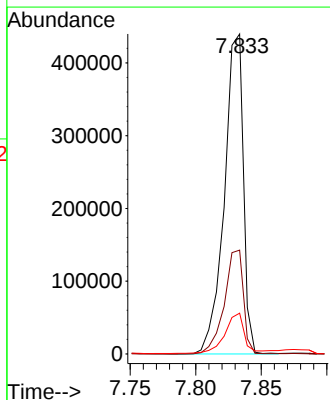
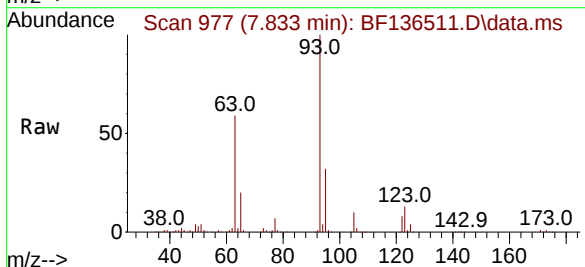
APPROVED

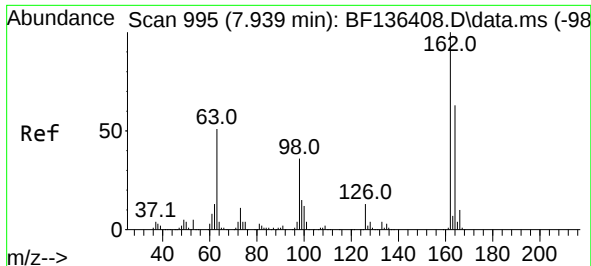
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.441 ng  
RT: 7.833 min Scan# 977  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion: 93 Resp: 444218  
Ion Ratio Lower Upper  
93 100  
95 32.4 25.0 37.4  
123 12.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.864 ng

RT: 7.939 min Scan# 995

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:162 Resp: 335574

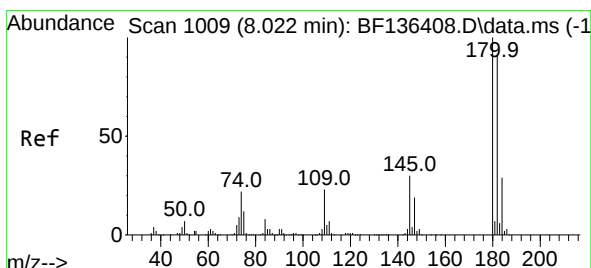
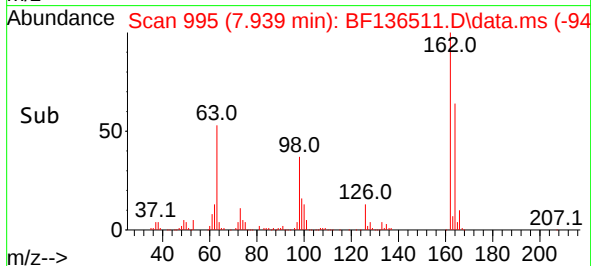
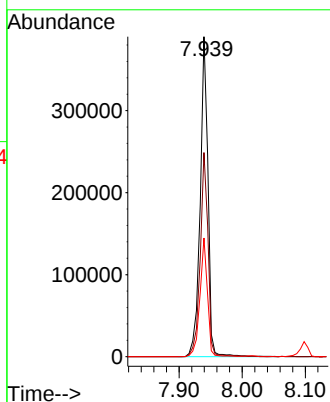
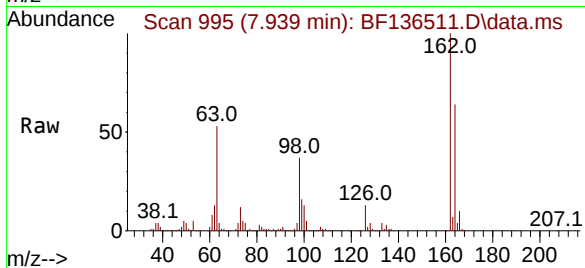
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 63.8  | 43.0  | 83.0  |
| 98  | 37.1  | 16.2  | 56.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#30

1,2,4-Trichlorobenzene

Concen: 37.605 ng

RT: 8.016 min Scan# 1008

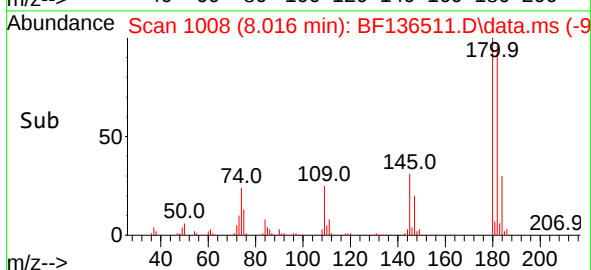
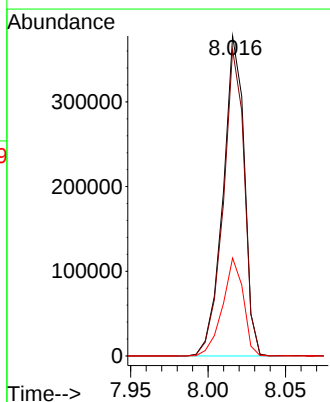
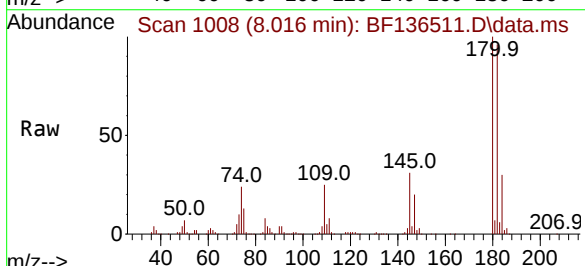
Delta R.T. -0.006 min

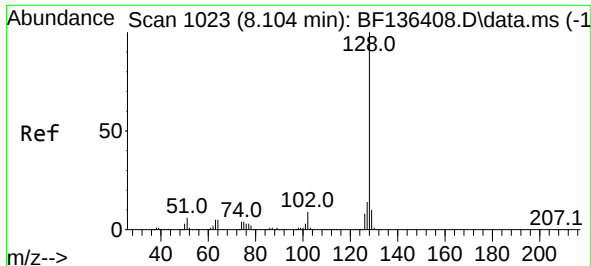
Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion:180 Resp: 360090

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.8  | 73.1  | 109.7 |
| 145 | 30.6  | 23.8  | 35.8  |





#31  
Naphthalene  
Concen: 37.447 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

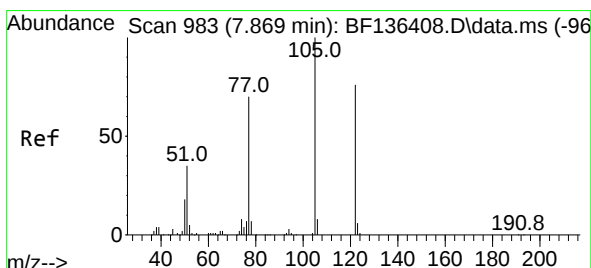
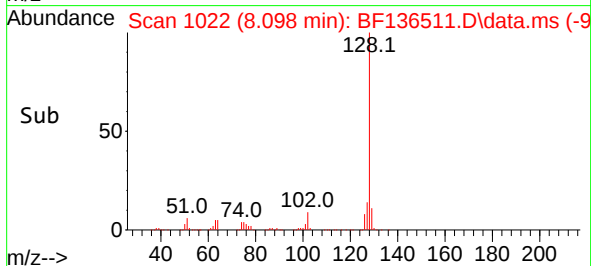
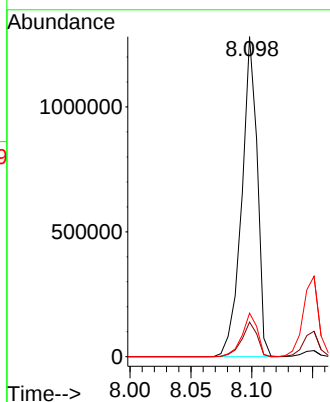
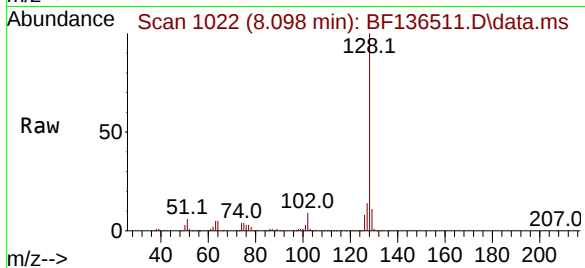
PB157455BS

Tgt Ion:128 Resp: 113894  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.3 12.5  
127 13.6 11.1 16.7

Manual Integrations

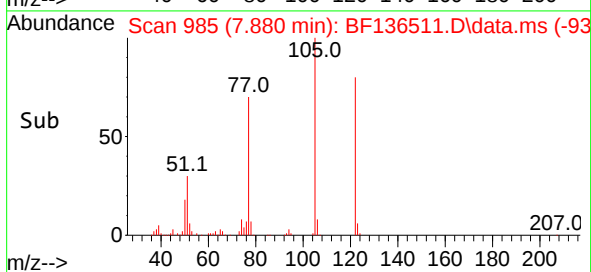
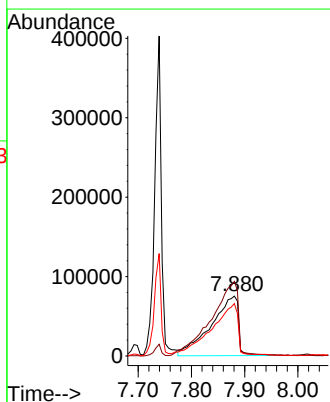
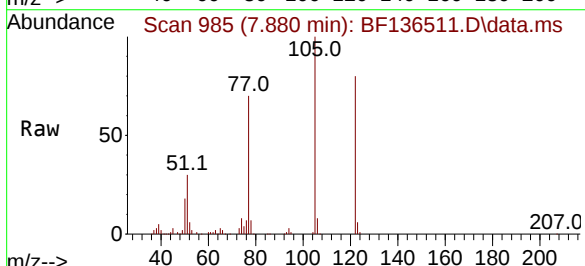
APPROVED

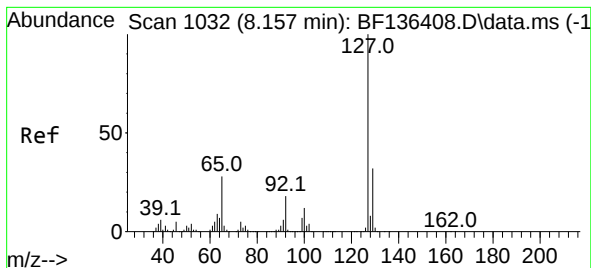
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#32  
Benzoic acid  
Concen: 43.535 ng  
RT: 7.880 min Scan# 985  
Delta R.T. 0.012 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:122 Resp: 268688  
Ion Ratio Lower Upper  
122 100  
105 124.5 104.7 144.7  
77 87.5 68.5 108.5





#33  
4-Chloroaniline  
Concen: 27.258 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

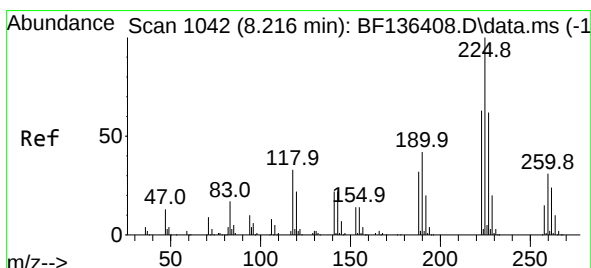
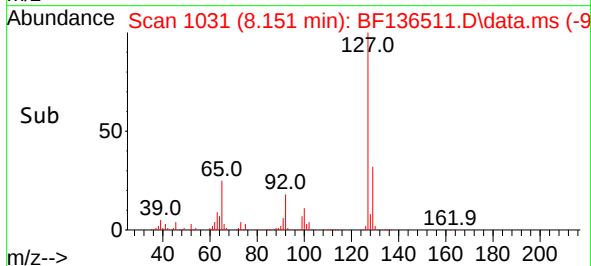
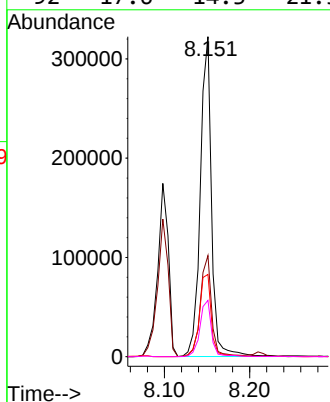
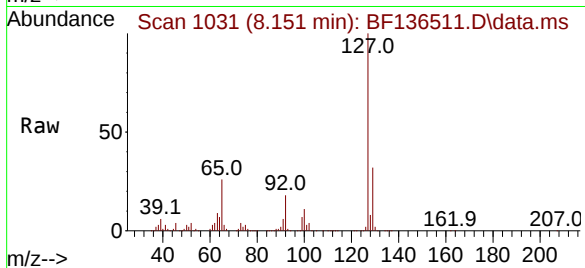
PB157455BS

Tgt Ion:127 Resp: 295562  
Ion Ratio Lower Upper  
127 100  
129 31.6 25.4 38.2  
65 25.7 22.5 33.7  
92 17.6 14.3 21.5

Manual Integrations

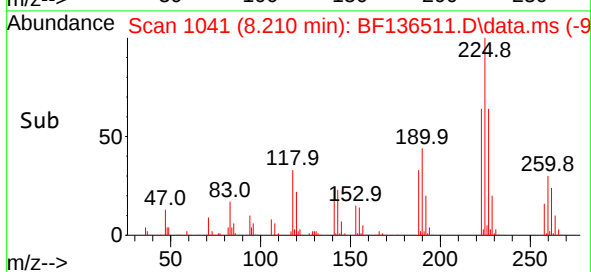
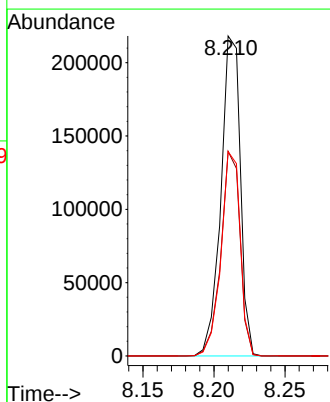
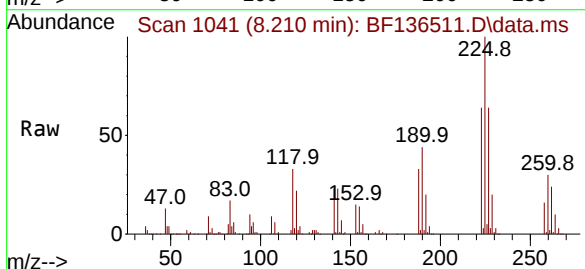
APPROVED

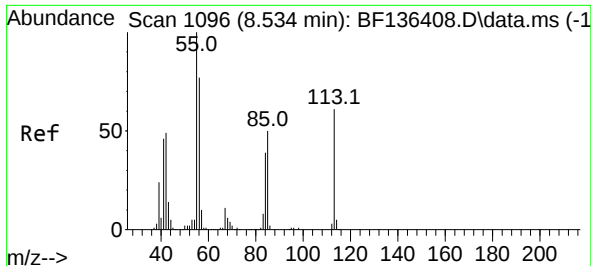
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#34  
Hexachlorobutadiene  
Concen: 36.622 ng  
RT: 8.210 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

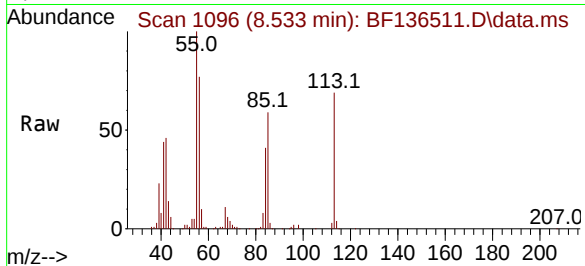
Tgt Ion:225 Resp: 207826  
Ion Ratio Lower Upper  
225 100  
223 64.0 50.8 76.2  
227 63.8 49.8 74.8





#35  
Caprolactam  
Concen: 45.955 ng m  
RT: 8.533 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

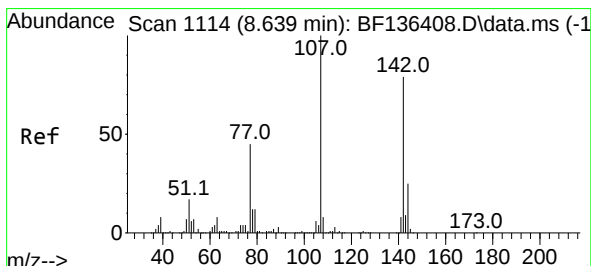
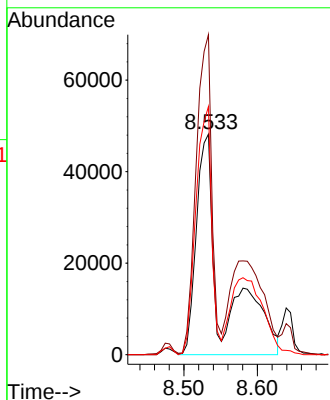
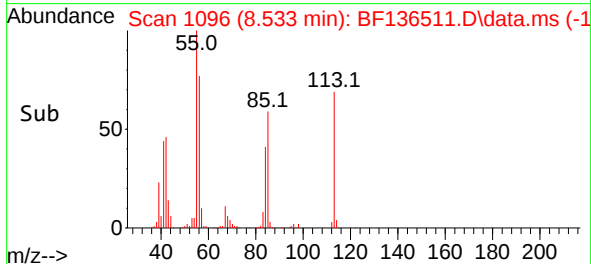
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



Tgt Ion:113 Resp: 116214  
Ion Ratio Lower Upper  
113 100  
55 145.2 143.7 183.7  
56 112.5 105.2 145.2

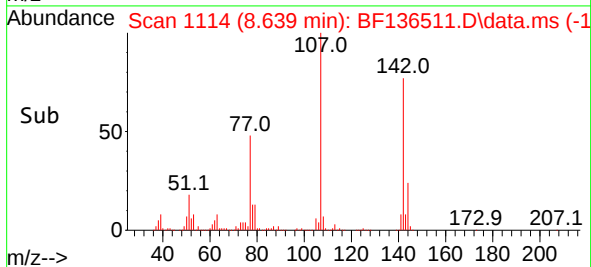
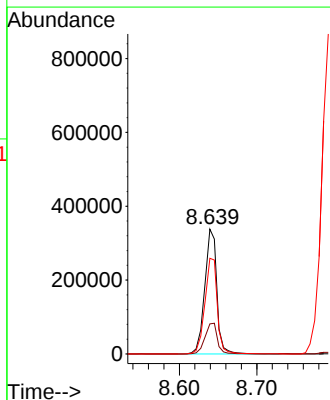
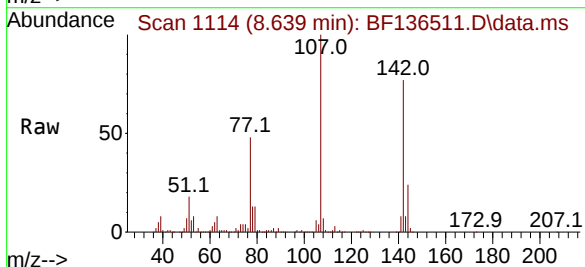
Manual Integrations  
APPROVED

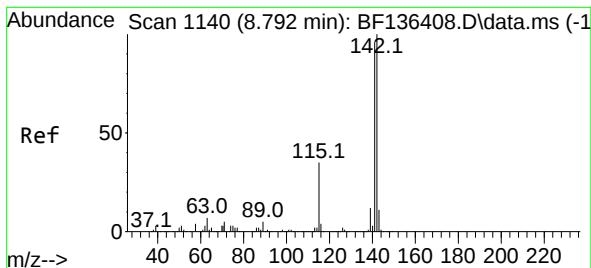
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#36  
4-Chloro-3-methylphenol  
Concen: 42.053 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:107 Resp: 366669  
Ion Ratio Lower Upper  
107 100  
144 24.1 20.1 30.1  
142 76.6 63.1 94.7





#37

2-Methylnaphthalene

Concen: 38.871 ng

RT: 8.792 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:142 Resp: 752144

Ion Ratio Lower Upper

142 100

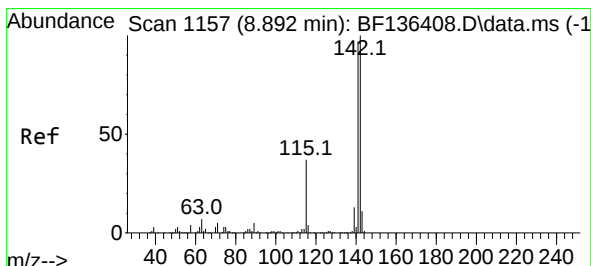
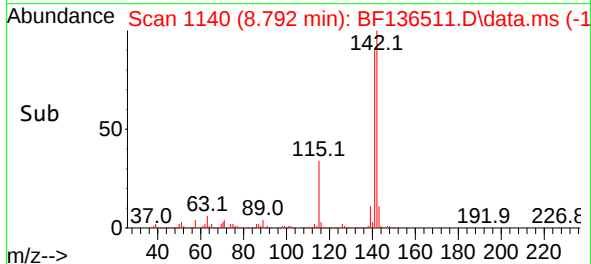
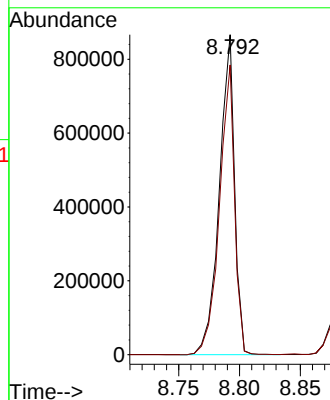
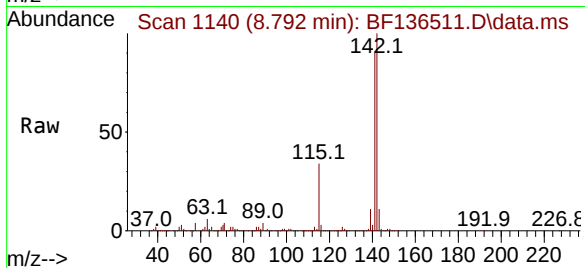
141 90.6 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#38

1-Methylnaphthalene

Concen: 37.116 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF136511.D

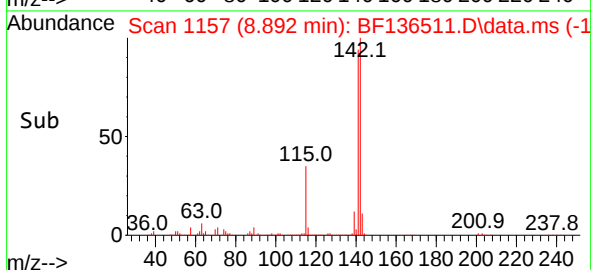
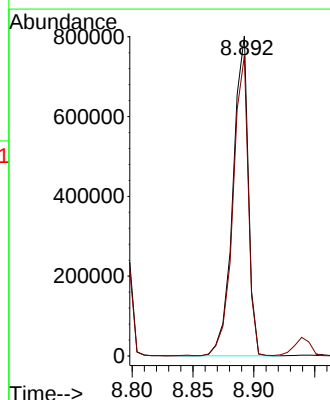
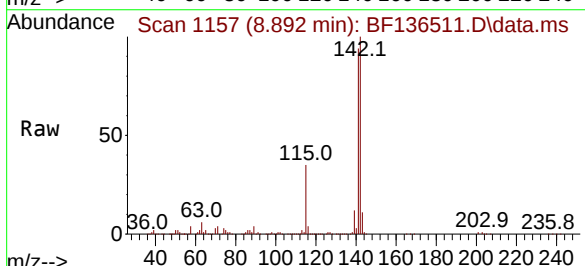
Acq: 12 Dec 2023 12:26

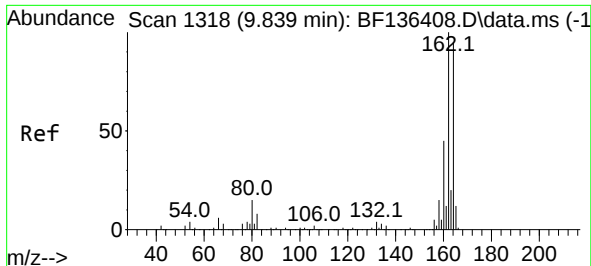
Tgt Ion:142 Resp: 704729

Ion Ratio Lower Upper

142 100

141 93.8 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:164 Resp: 29312

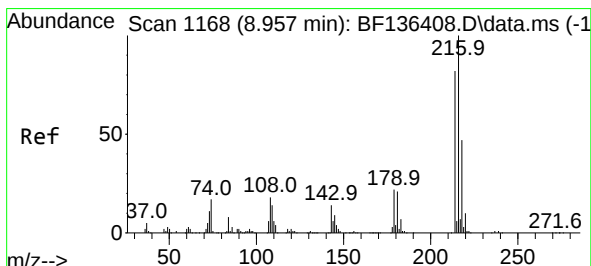
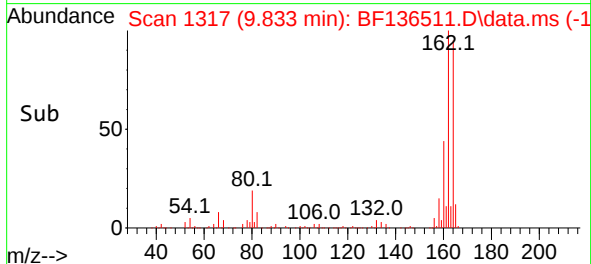
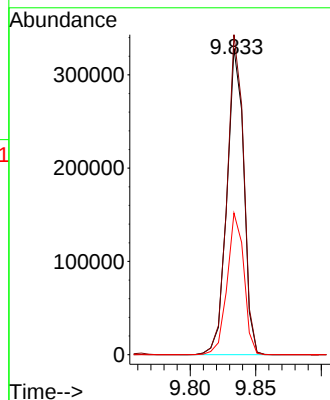
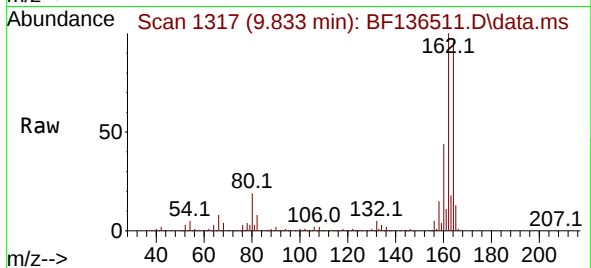
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.4 | 84.4  | 126.6 |
| 160 | 46.2  | 37.6  | 56.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.446 ng

RT: 8.957 min Scan# 1168

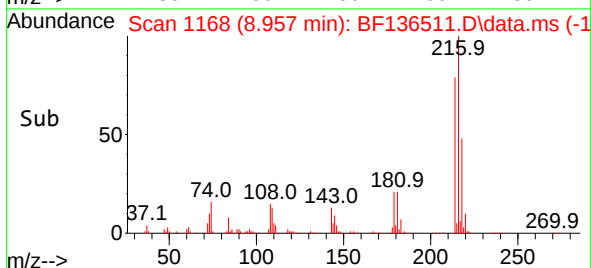
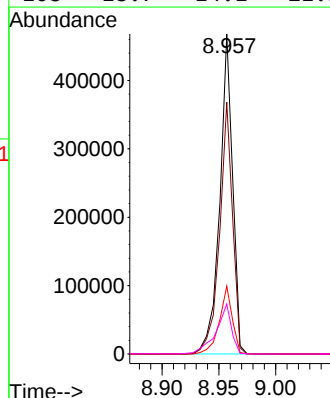
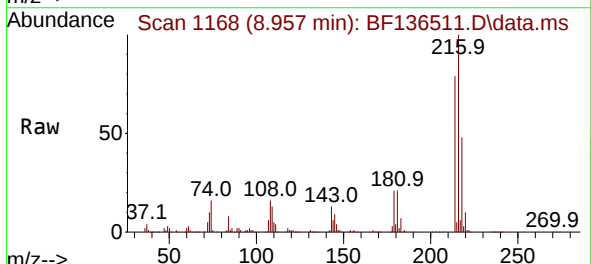
Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion:216 Resp: 368845

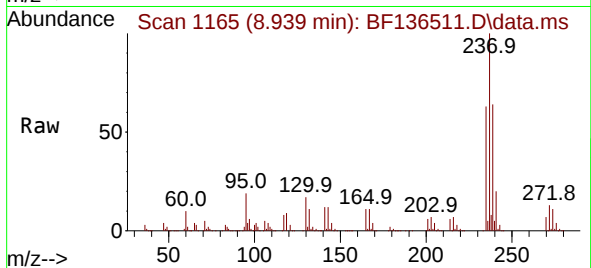
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.3  | 64.1  | 96.1  |
| 179 | 21.2  | 17.0  | 25.6  |
| 108 | 18.7  | 14.1  | 21.1  |





#41  
Hexachlorocyclopentadiene  
Concen: 108.263 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

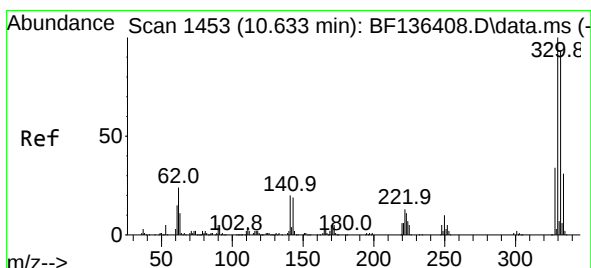
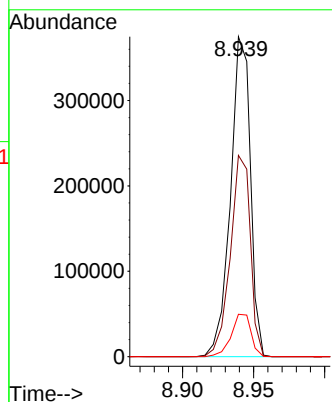
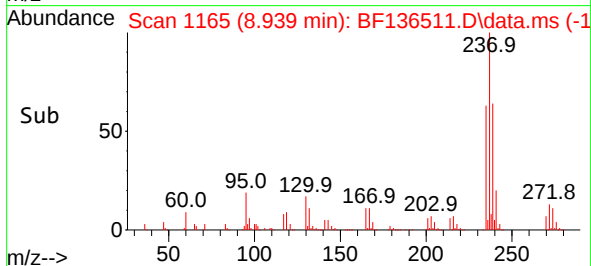
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



Tgt Ion:237 Resp: 365768  
Ion Ratio Lower Upper  
237 100  
235 62.9 44.1 84.1  
272 13.3 0.0 33.3

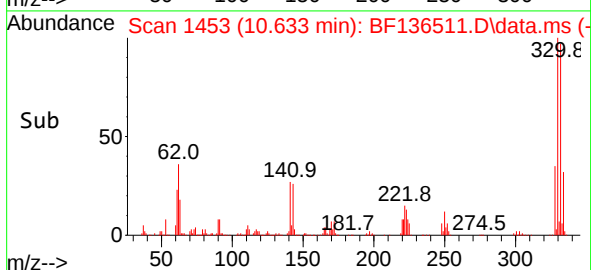
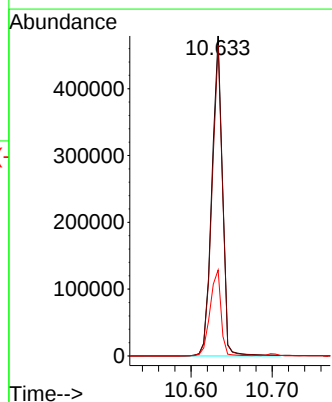
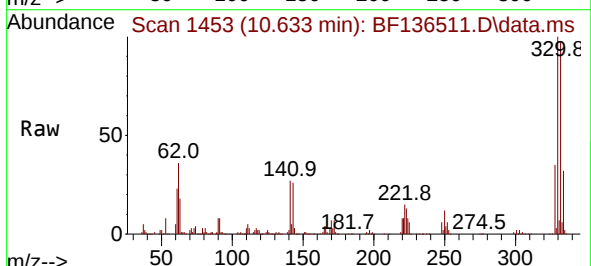
Manual Integrations  
APPROVED

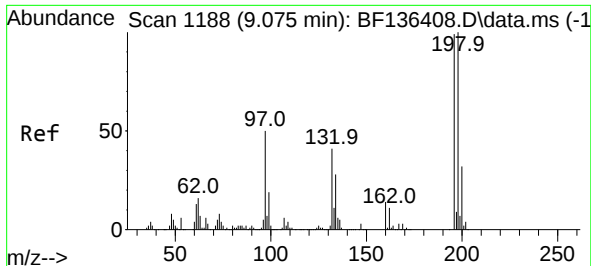
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#42  
2,4,6-Tribromophenol  
Concen: 119.269 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:330 Resp: 431064  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.4 114.6  
141 27.9 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 41.751 ng

RT: 9.069 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:196 Resp: 247910

Ion Ratio Lower Upper

196 100

198 97.5 80.4 120.6

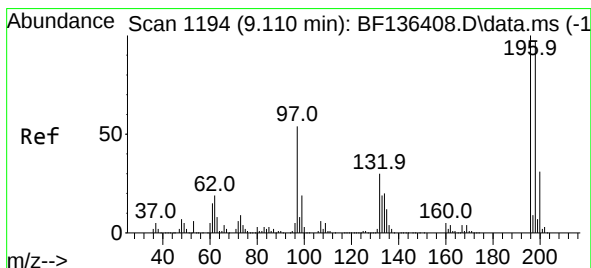
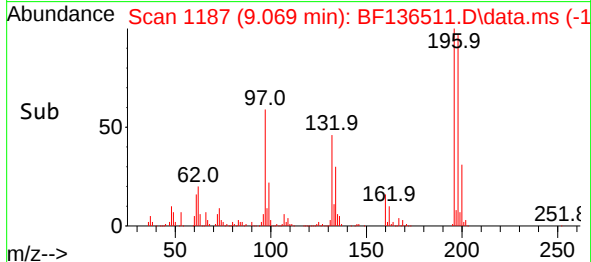
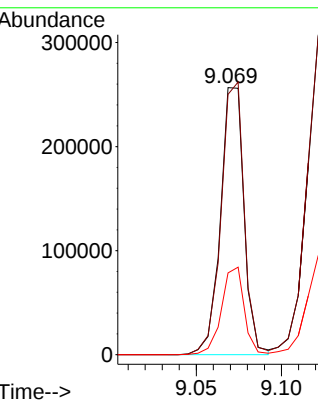
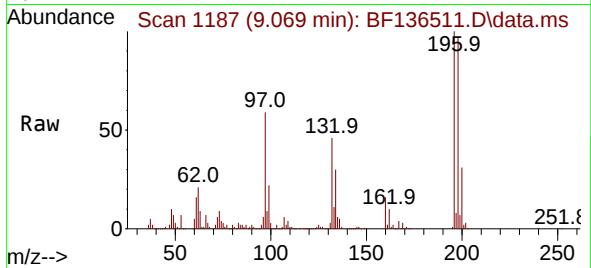
200 30.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#44

2,4,5-Trichlorophenol

Concen: 40.455 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion:196 Resp: 268108

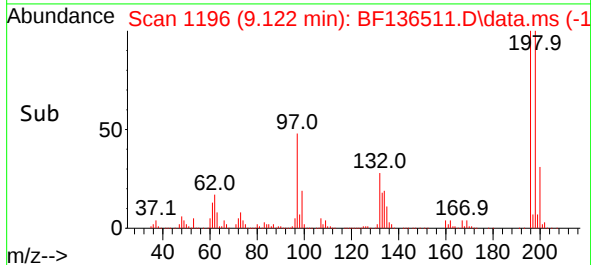
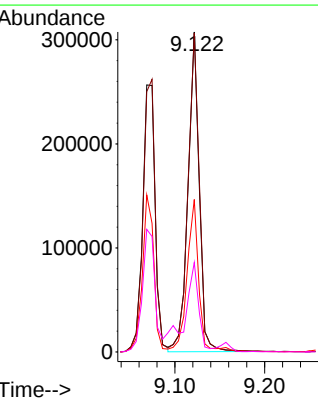
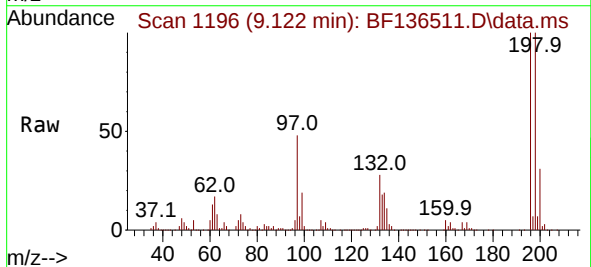
Ion Ratio Lower Upper

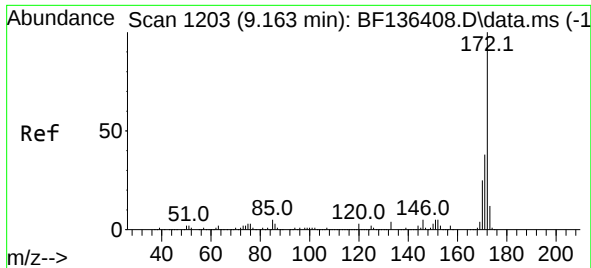
196 100

198 99.7 78.1 117.1

97 47.7 43.4 65.2

132 28.0 24.2 36.4





#45  
2-Fluorobiphenyl  
Concen: 74.680 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

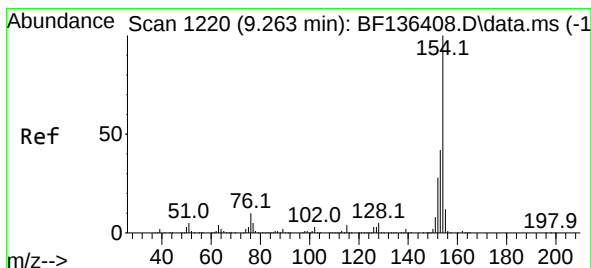
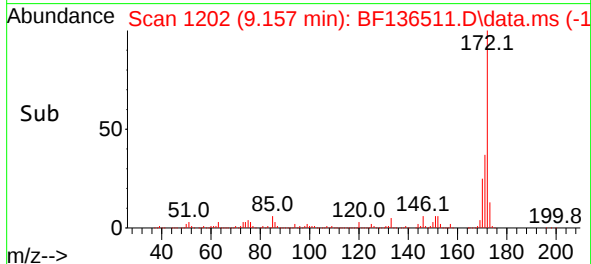
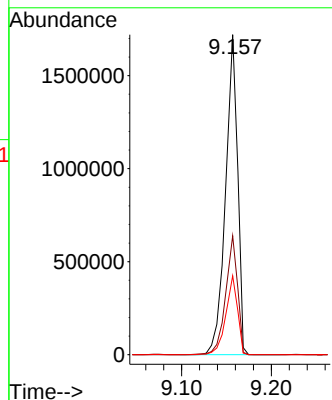
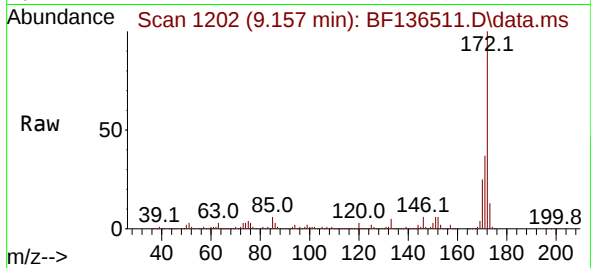
PB157455BS

Tgt Ion:172 Resp: 1604289  
Ion Ratio Lower Upper  
172 100  
171 37.1 30.5 45.7  
170 24.6 19.9 29.9

Manual Integrations

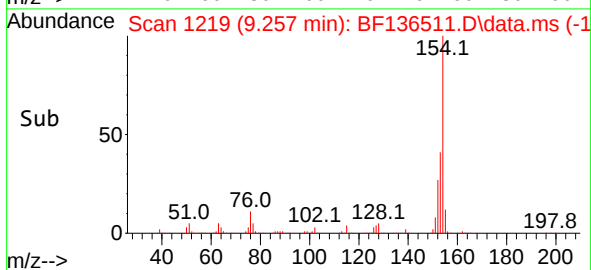
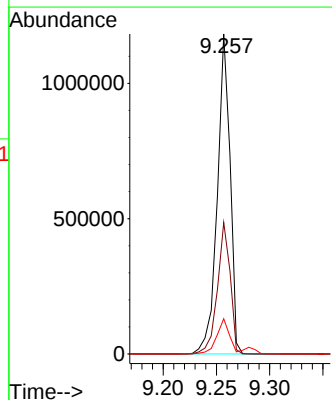
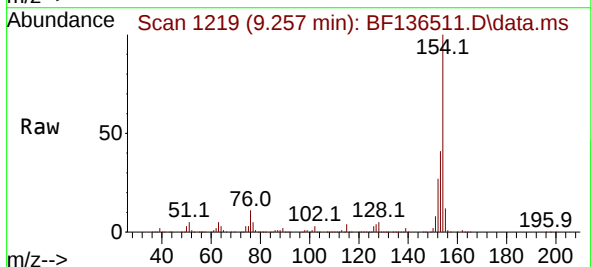
APPROVED

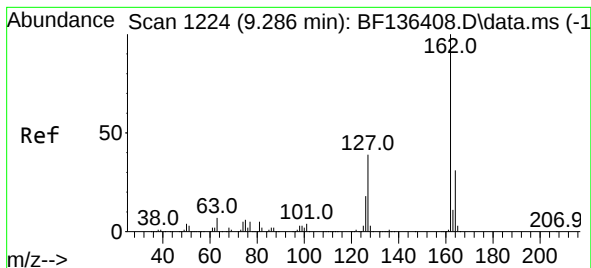
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#46  
1,1'-Biphenyl  
Concen: 39.467 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:154 Resp: 984377  
Ion Ratio Lower Upper  
154 100  
153 41.1 22.5 62.5  
76 11.0 0.0 29.9





#47

2-Chloronaphthalene

Concen: 38.013 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

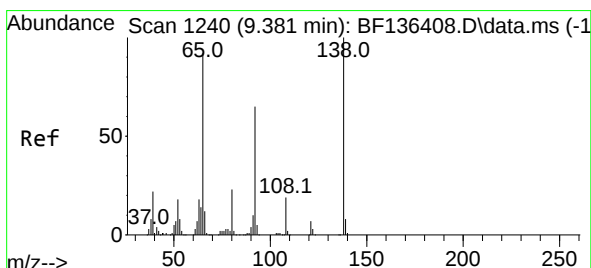
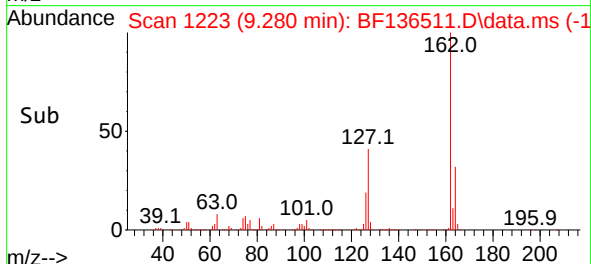
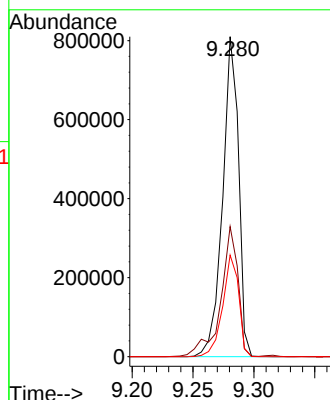
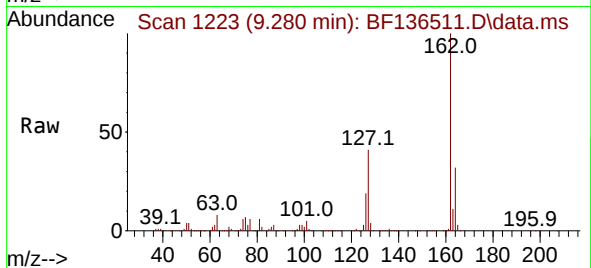
Tgt Ion:162 Resp: 73792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 40.6  | 31.1  | 46.7  |
| 164 | 31.7  | 24.6  | 37.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#48

2-Nitroaniline

Concen: 40.830 ng

RT: 9.380 min Scan# 1240

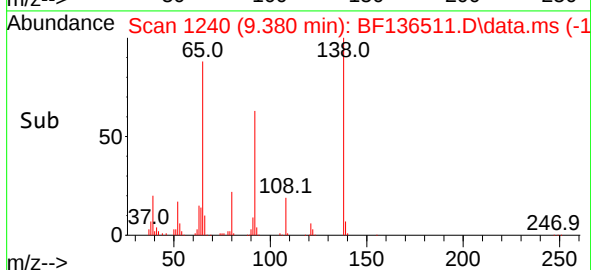
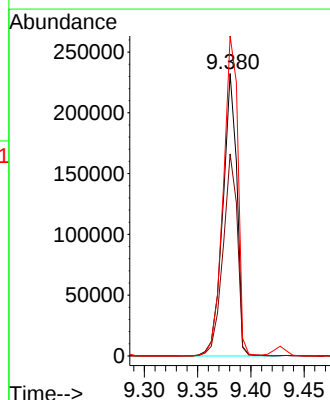
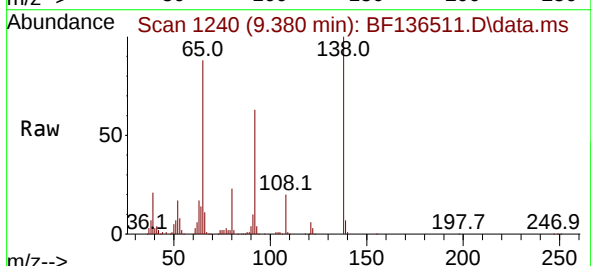
Delta R.T. -0.000 min

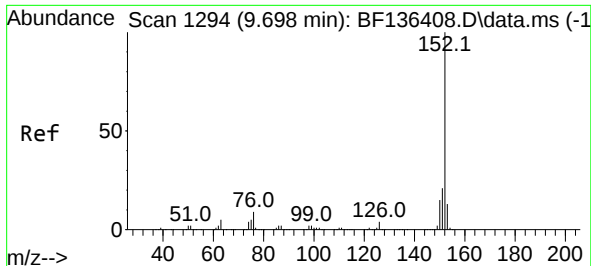
Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion: 65 Resp: 212583

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 71.6  | 56.1  | 84.1  |
| 138 | 113.3 | 86.7  | 130.1 |





#49

Acenaphthylene

Concen: 40.119 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:152 Resp: 110945

Ion Ratio Lower Upper

152 100

151 20.8 17.2 25.8

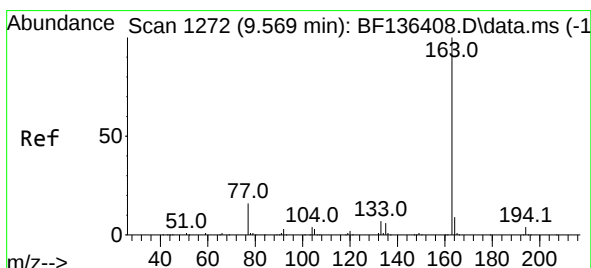
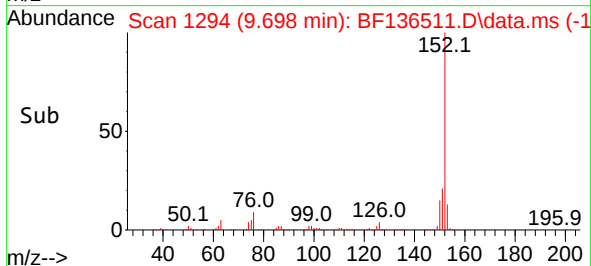
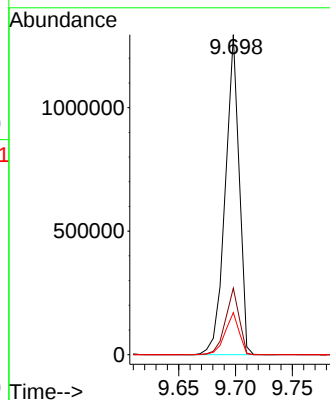
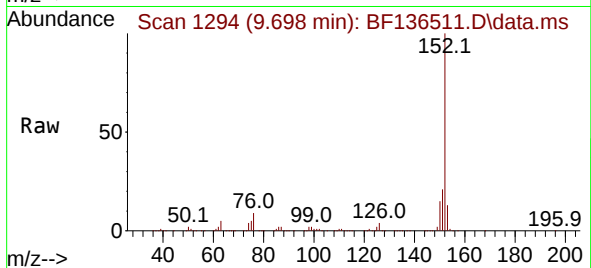
153 13.2 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#50

Dimethylphthalate

Concen: 41.700 ng

RT: 9.563 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

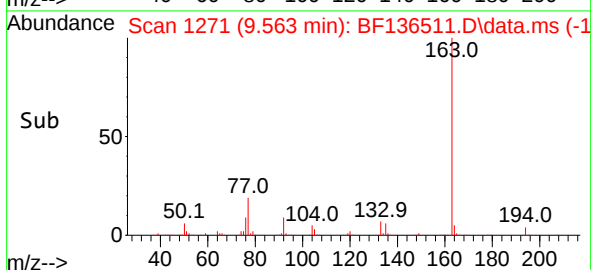
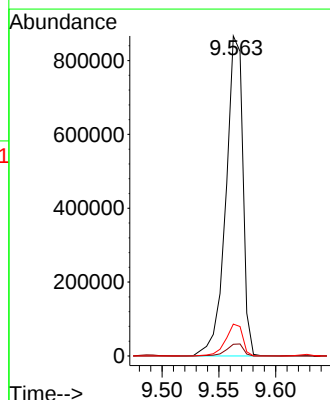
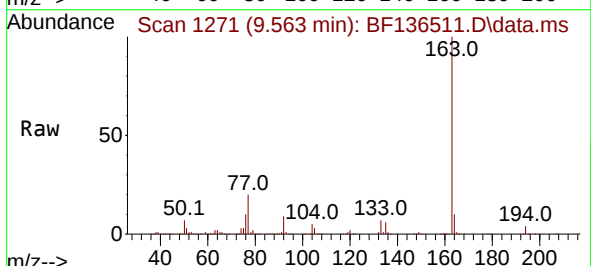
Tgt Ion:163 Resp: 899923

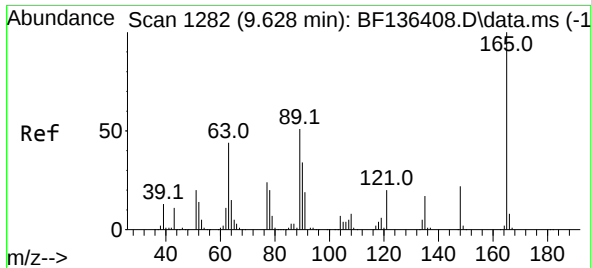
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 9.9 7.4 11.2





#51  
2,6-Dinitrotoluene  
Concen: 41.145 ng  
RT: 9.627 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

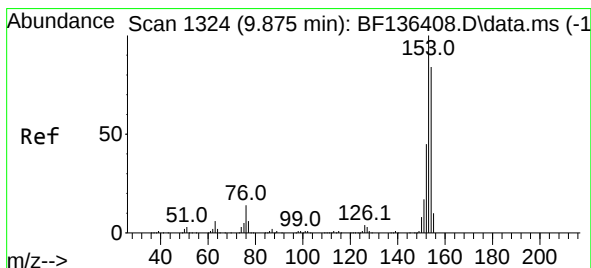
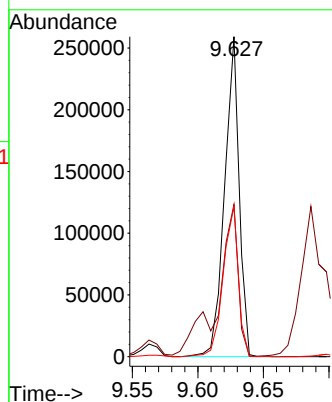
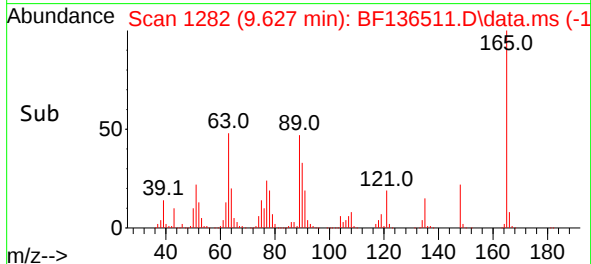
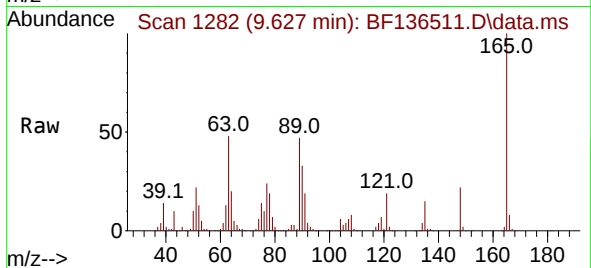
ClientSampleId :

PB157455BS

Tgt Ion:165 Resp: 199762  
Ion Ratio Lower Upper  
165 100  
63 47.5 40.4 60.6  
89 46.9 40.6 60.8

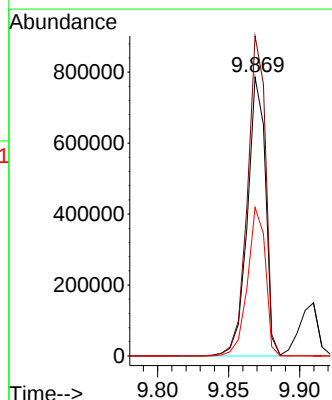
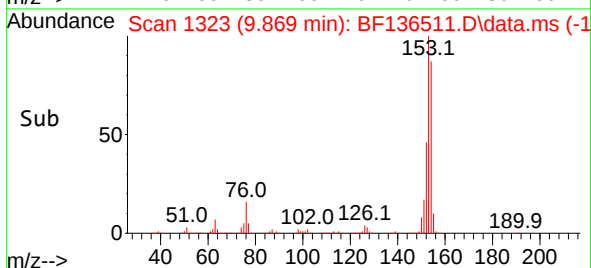
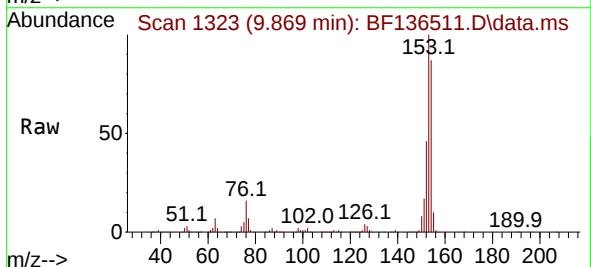
Manual Integrations  
APPROVED

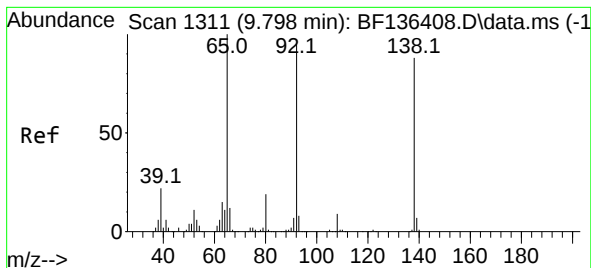
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#52  
Acenaphthene  
Concen: 39.308 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:154 Resp: 696572  
Ion Ratio Lower Upper  
154 100  
153 114.8 95.3 142.9  
152 53.3 43.2 64.8





#53

3-Nitroaniline

Concen: 33.660 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:138 Resp: 166880

Ion Ratio Lower Upper

138 100

108 10.5 8.5 12.7

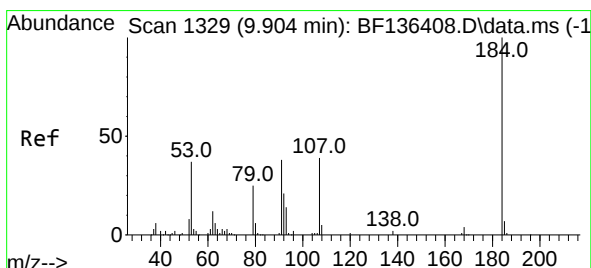
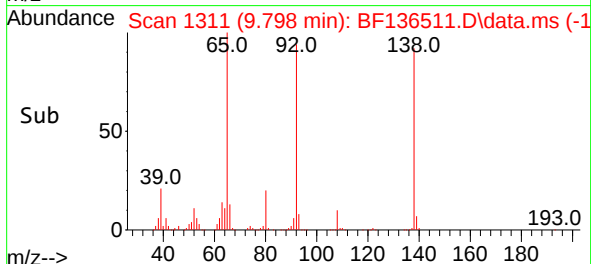
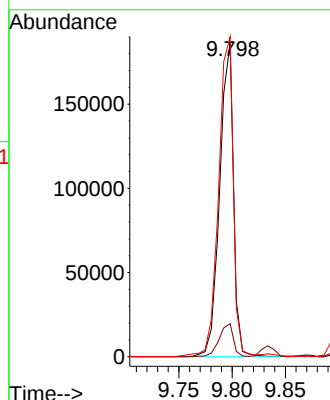
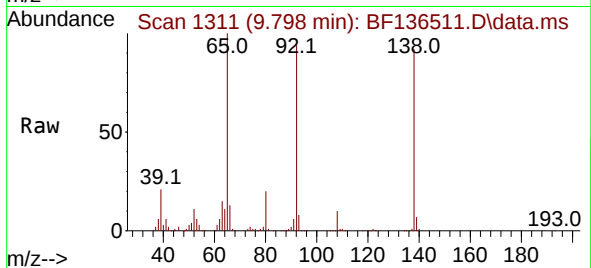
92 101.9 86.1 129.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#54

2,4-Dinitrophenol

Concen: 88.976 ng

RT: 9.910 min Scan# 1330

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

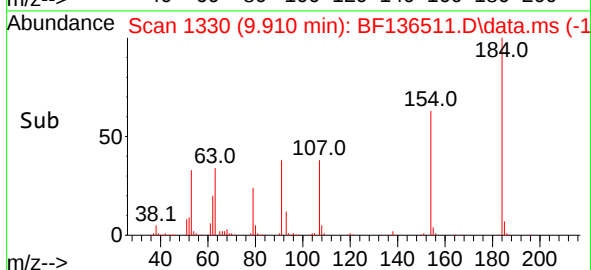
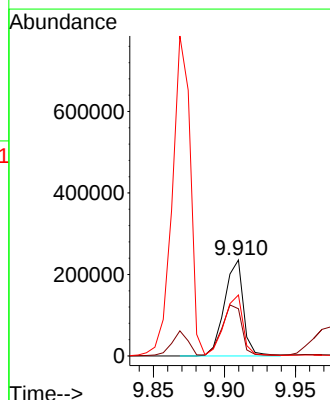
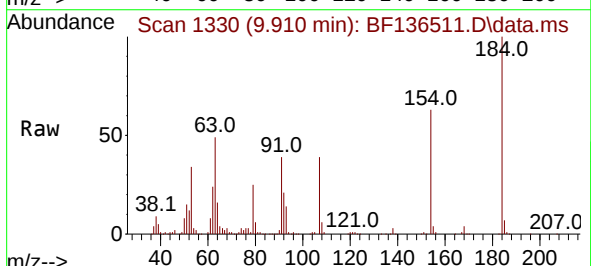
Tgt Ion:184 Resp: 218411

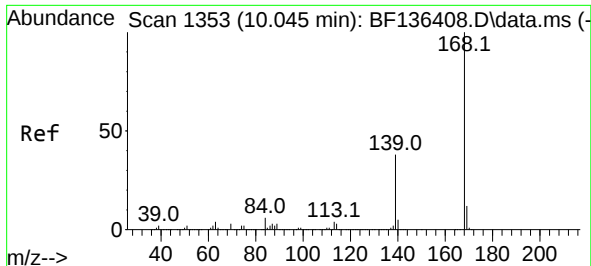
Ion Ratio Lower Upper

184 100

63 49.2 39.1 58.7

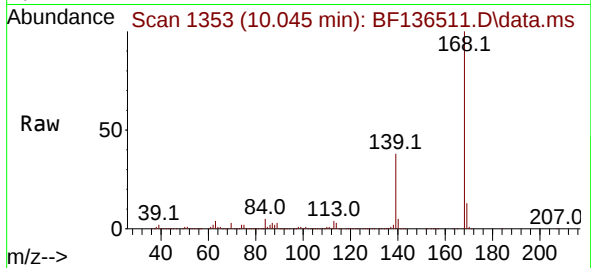
154 63.5 49.9 74.9





#55  
Dibenzofuran  
Concen: 39.331 ng  
RT: 10.045 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

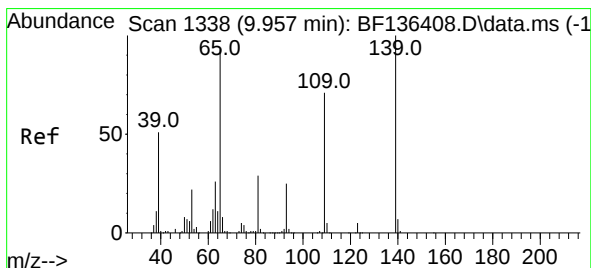
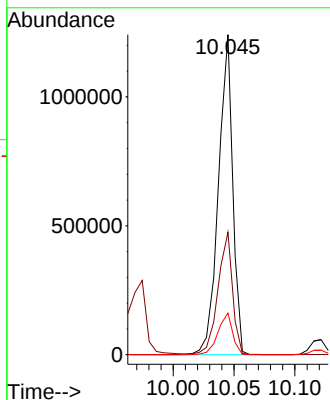
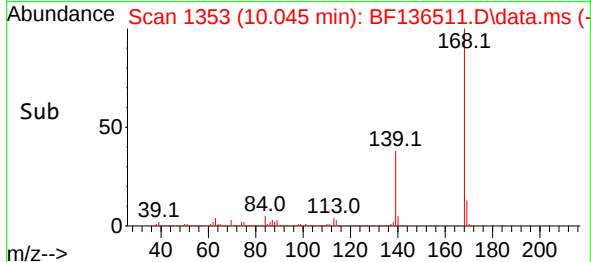
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



Tgt Ion:168 Resp: 101819  
Ion Ratio Lower Upper  
168 100  
139 38.2 30.4 45.6  
169 13.0 9.9 14.9

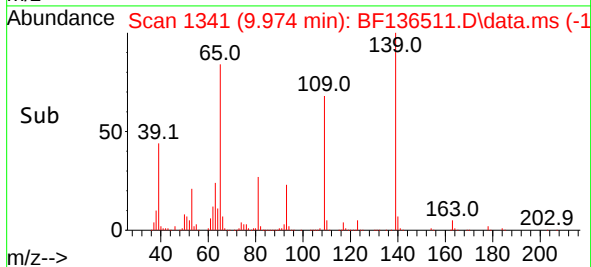
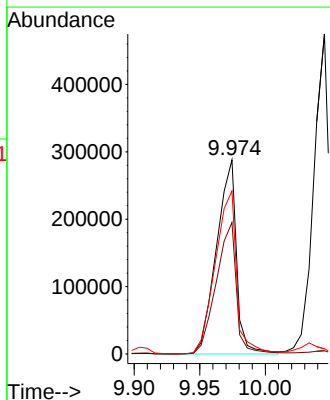
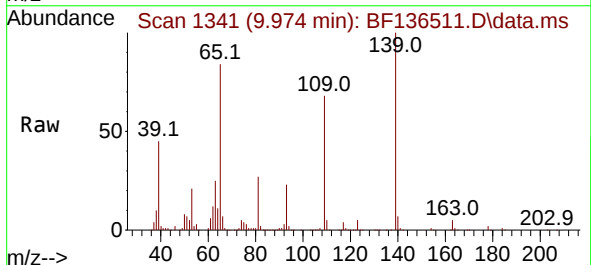
Manual Integrations  
APPROVED

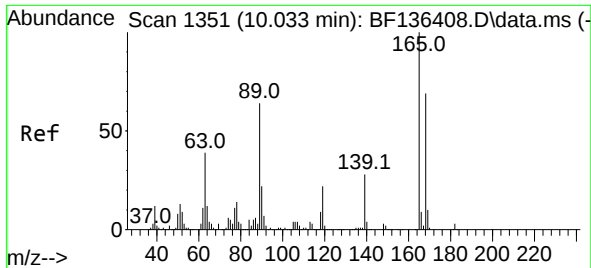
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#56  
4-Nitrophenol  
Concen: 82.169 ng  
RT: 9.974 min Scan# 1341  
Delta R.T. 0.018 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:139 Resp: 305391  
Ion Ratio Lower Upper  
139 100  
109 67.8 50.6 90.6  
65 84.0 73.1 113.1





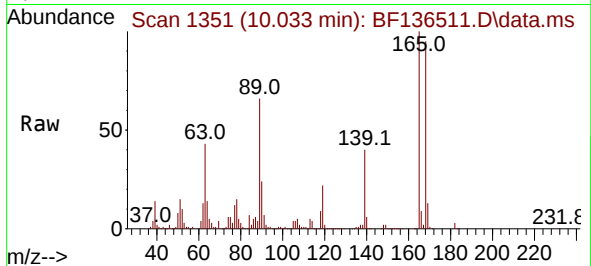
#57  
2,4-Dinitrotoluene  
Concen: 40.719 ng  
RT: 10.033 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

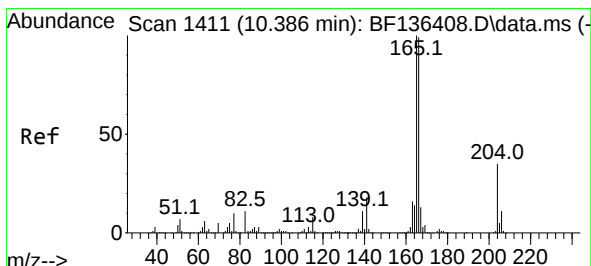
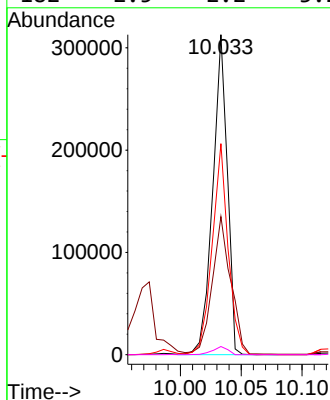
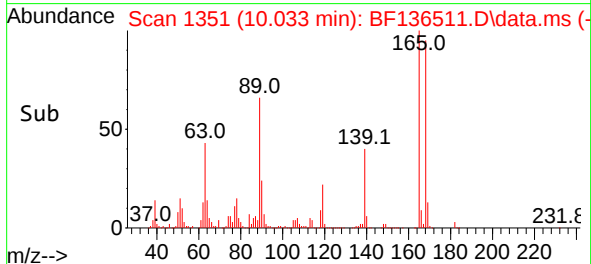


Tgt Ion:165 Resp: 26152  
Ion Ratio Lower Upper  
165 100  
63 43.2 31.4 47.2  
89 66.0 51.7 77.5  
182 2.5 2.2 3.2

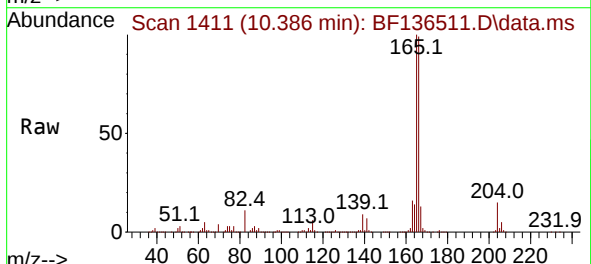
Manual Integrations

APPROVED

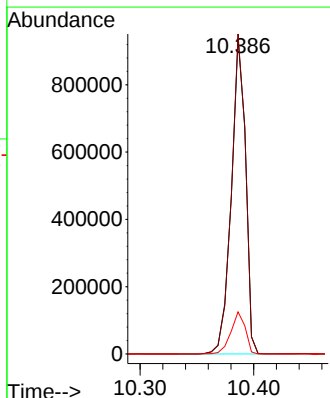
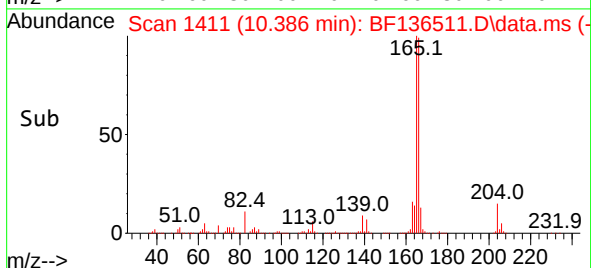
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

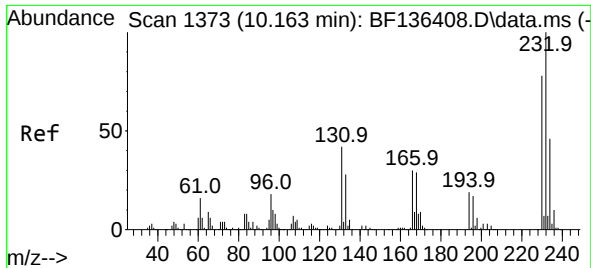


#58  
Fluorene  
Concen: 39.353 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



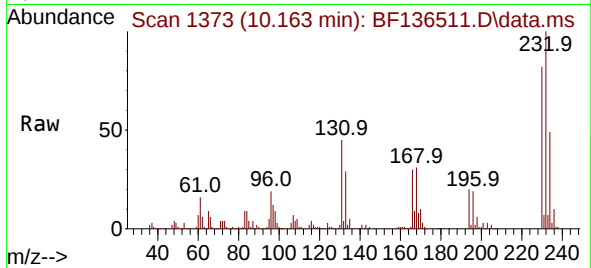
Tgt Ion:166 Resp: 817806  
Ion Ratio Lower Upper  
166 100  
165 101.4 80.5 120.7  
167 13.3 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.699 ng  
RT: 10.163 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

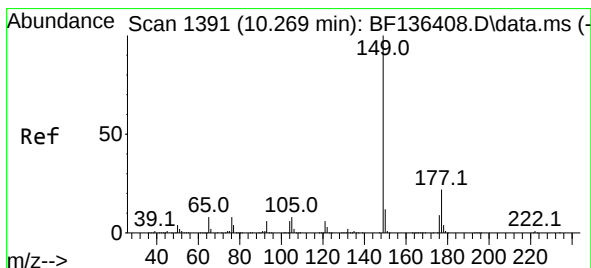
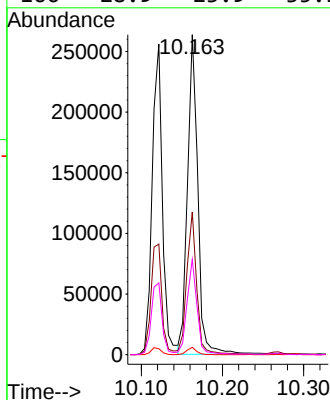
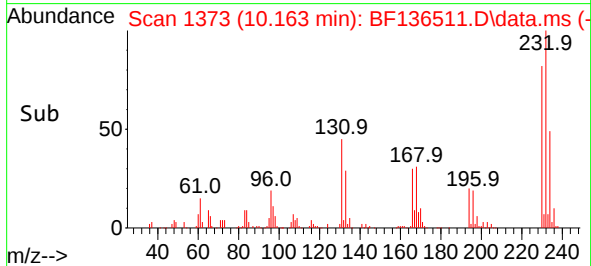
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



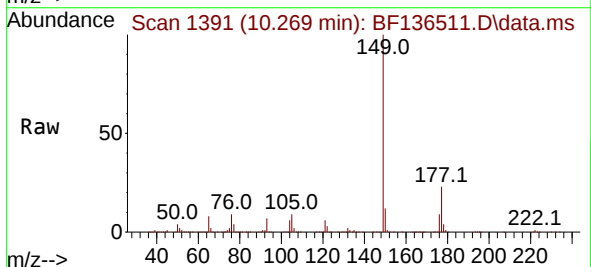
Tgt Ion:232 Resp: 231978  
Ion Ratio Lower Upper  
232 100  
131 43.9 34.3 51.5  
130 2.2 1.6 2.4  
166 28.9 23.9 35.9

Manual Integrations  
APPROVED

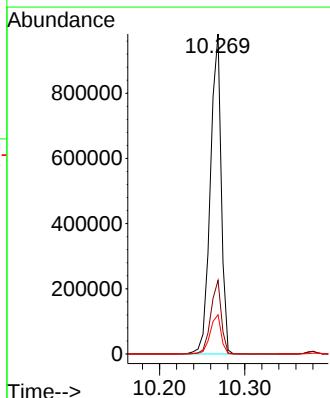
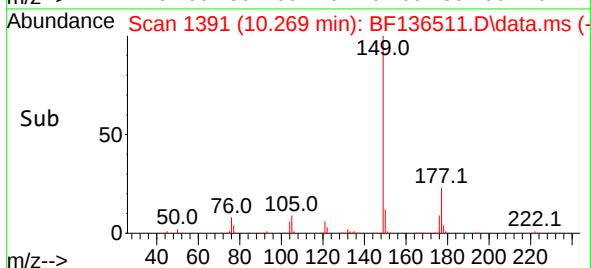
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

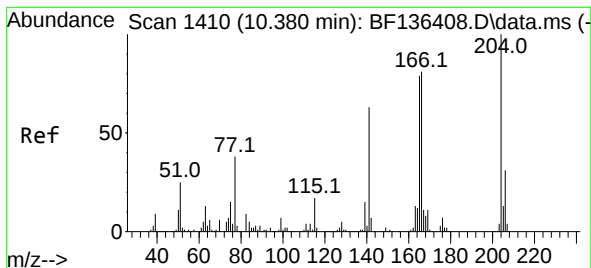


#60  
Diethylphthalate  
Concen: 40.901 ng  
RT: 10.269 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



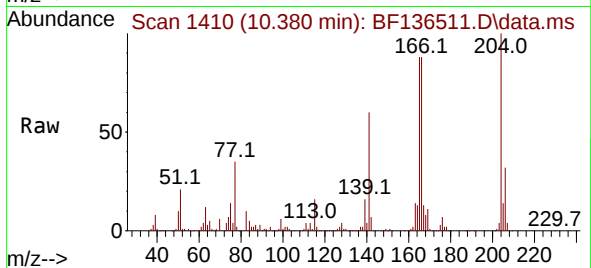
Tgt Ion:149 Resp: 867968  
Ion Ratio Lower Upper  
149 100  
177 23.0 17.8 26.8  
150 12.3 9.4 14.0





#61  
4-Chlorophenyl-phenylether  
Concen: 39.498 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

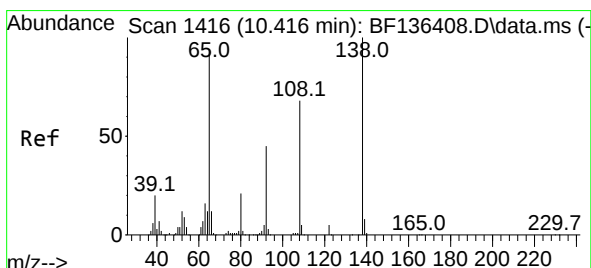
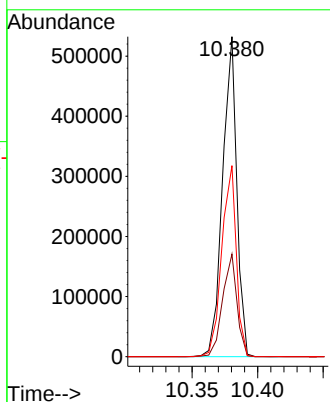
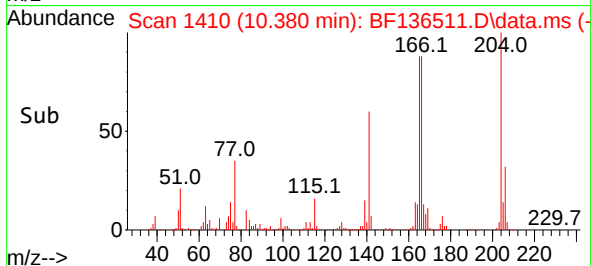
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



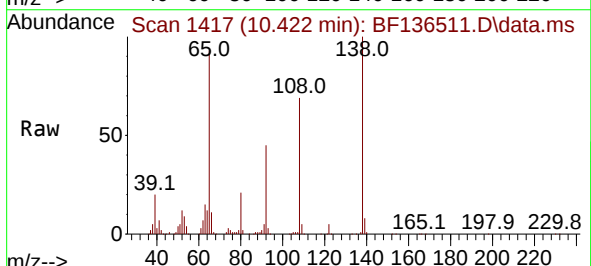
Tgt Ion:204 Resp: 400130  
Ion Ratio Lower Upper  
204 100  
206 32.1 24.6 36.8  
141 59.7 50.3 75.5

Manual Integrations  
APPROVED

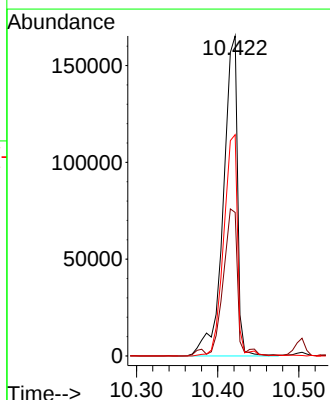
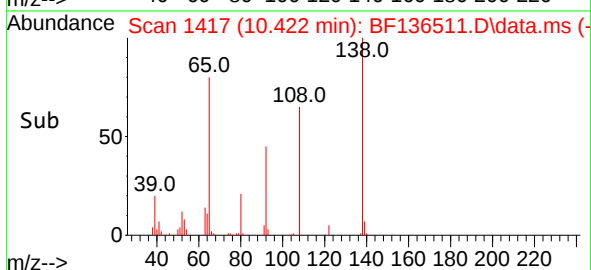
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

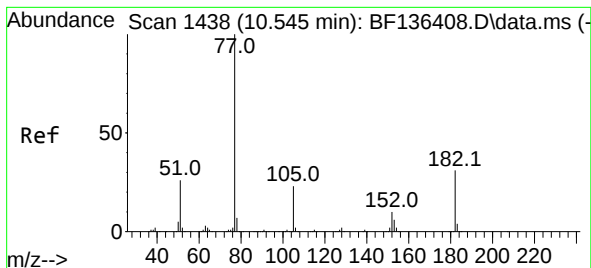


#62  
4-Nitroaniline  
Concen: 40.826 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



Tgt Ion:138 Resp: 200983  
Ion Ratio Lower Upper  
138 100  
92 44.9 25.0 65.0  
108 69.1 47.9 87.9





#63

Azobenzene

Concen: 39.576 ng

RT: 10.539 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF136511.D

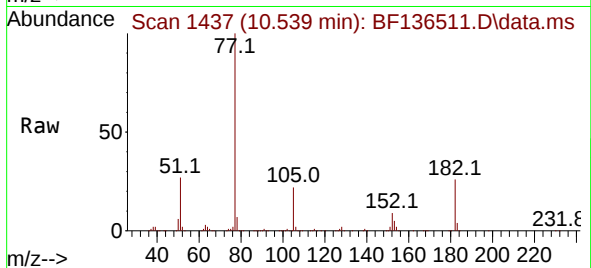
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS



Tgt Ion: 77 Resp: 764439

Ion Ratio Lower Upper

77 100

182 26.2 10.8 50.8

105 22.0 2.6 42.6

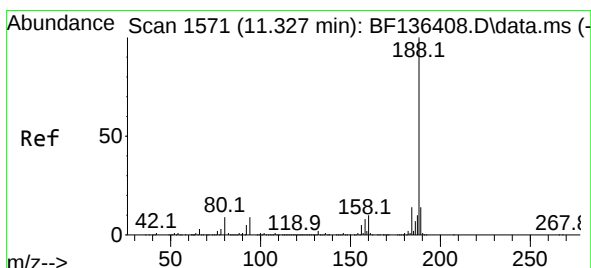
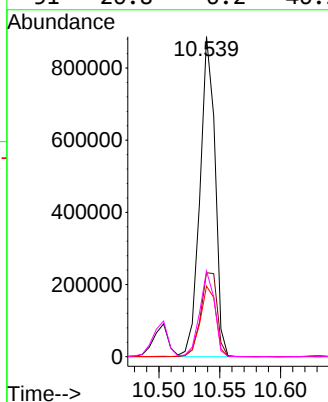
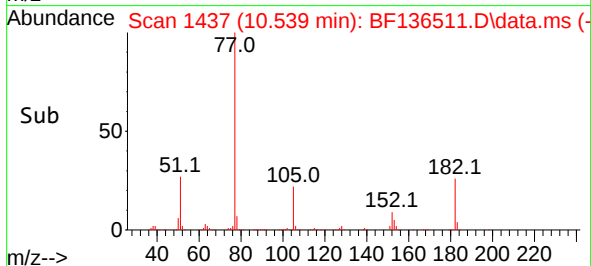
51 26.8 6.2 46.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

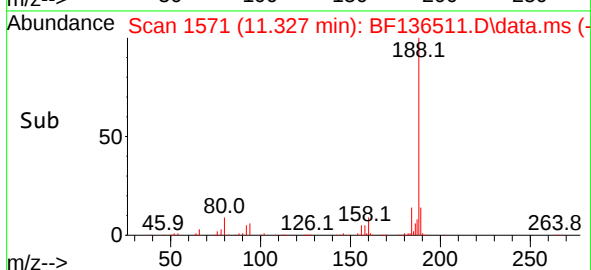
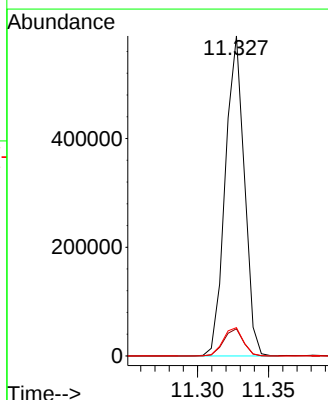
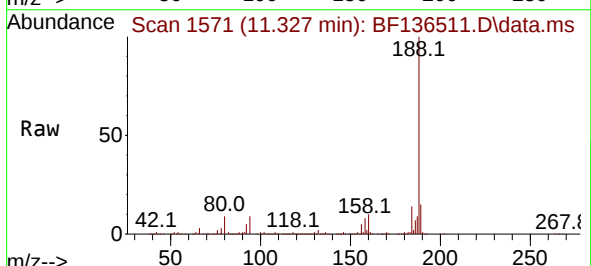
Tgt Ion:188 Resp: 548616

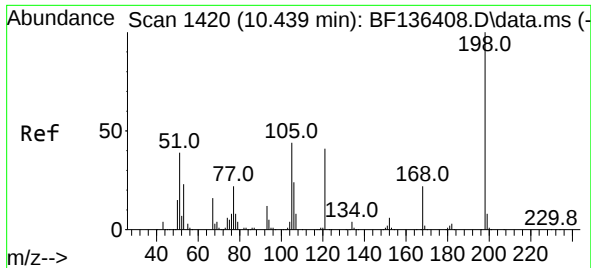
Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

80 8.8 7.2 10.8





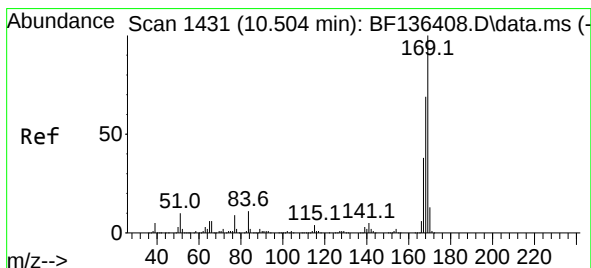
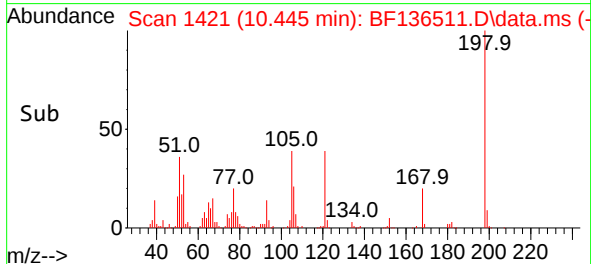
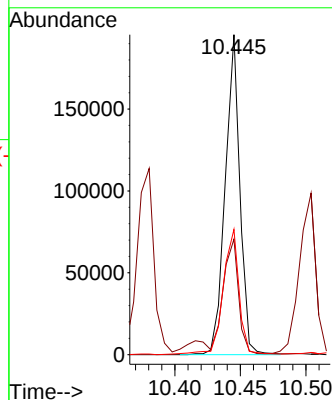
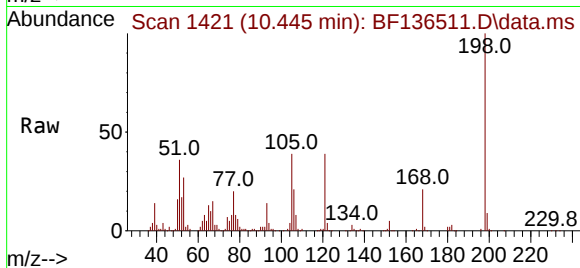
#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.734 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS

Tgt Ion:198 Resp: 151989  
Ion Ratio Lower Upper  
198 100  
51 36.1 24.1 64.1  
105 39.2 24.8 64.8

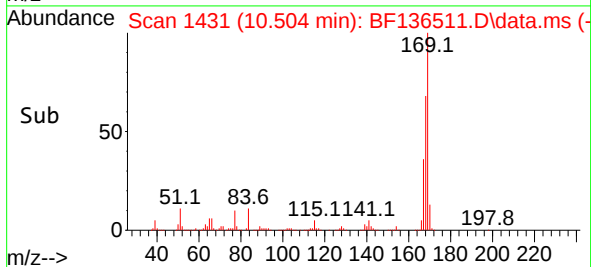
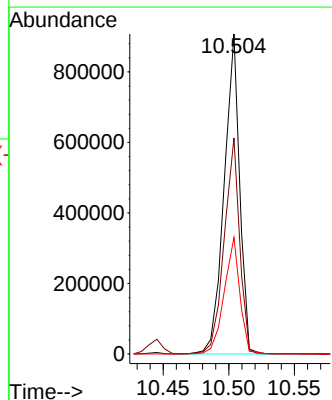
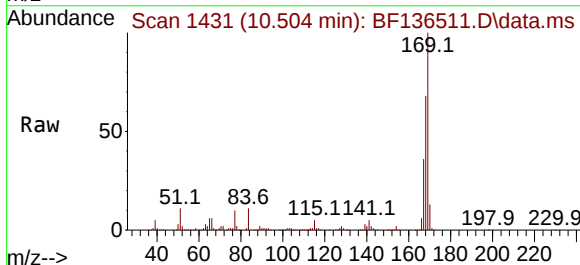
Manual Integrations  
APPROVED

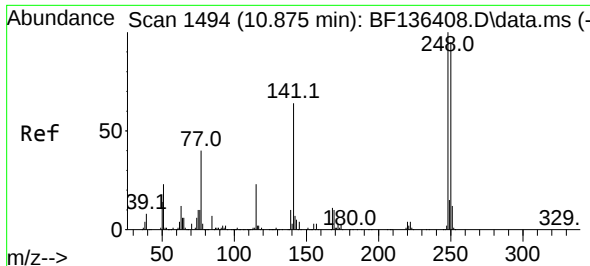
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#66  
n-Nitrosodiphenylamine  
Concen: 42.142 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:169 Resp: 741858  
Ion Ratio Lower Upper  
169 100  
168 67.5 55.3 82.9  
167 36.4 30.1 45.1





#67  
4-Bromophenyl-phenylether  
Concen: 41.113 ng  
RT: 10.869 min Scan# 1494  
Delta R.T. -0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

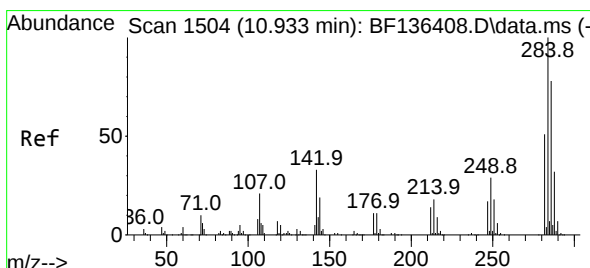
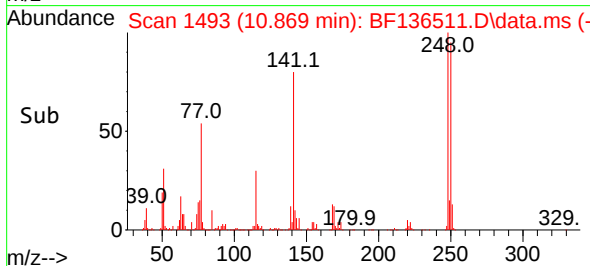
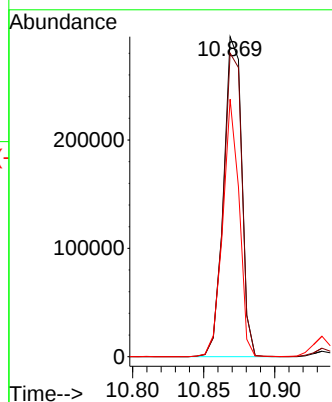
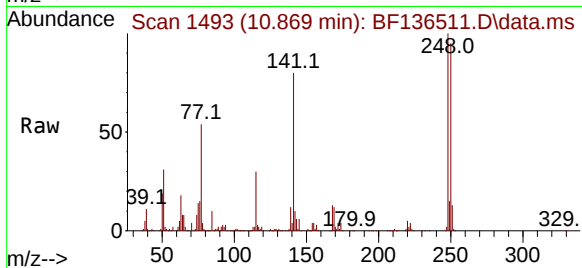
ClientSampleId :

PB157455BS

Tgt Ion:248 Resp: 262239  
Ion Ratio Lower Upper  
248 100  
250 94.8 76.2 114.2  
141 80.4 51.0 76.4

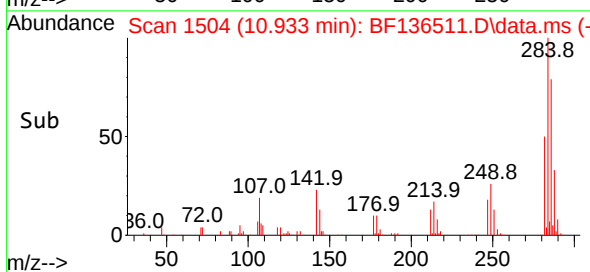
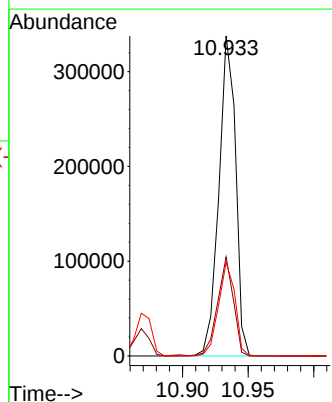
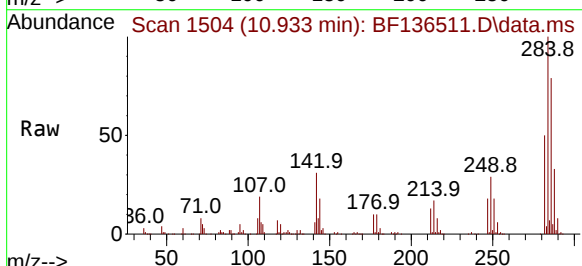
Manual Integrations  
APPROVED

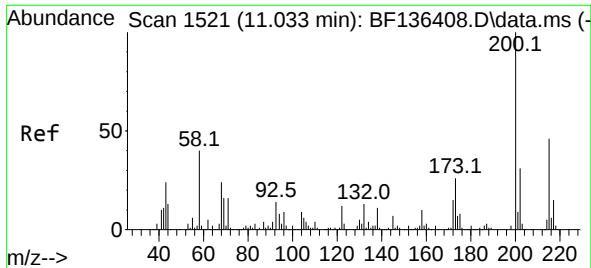
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#68  
Hexachlorobenzene  
Concen: 40.525 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

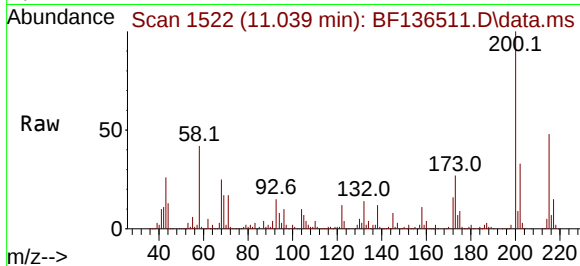
Tgt Ion:284 Resp: 298755  
Ion Ratio Lower Upper  
284 100  
142 31.0 26.5 39.7  
249 29.2 23.4 35.0





#69  
Atrazine  
Concen: 65.694 ng  
RT: 11.039 min Scan# 1521  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

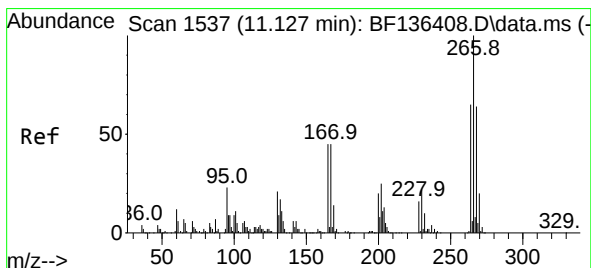
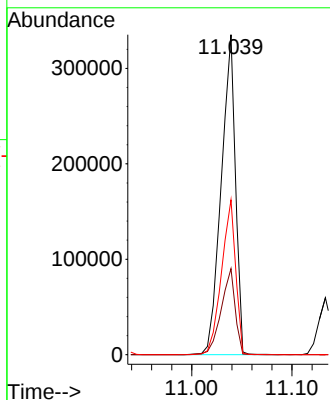
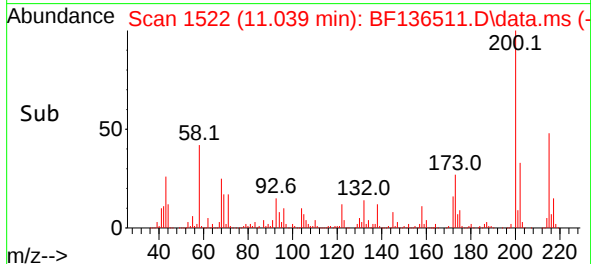
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



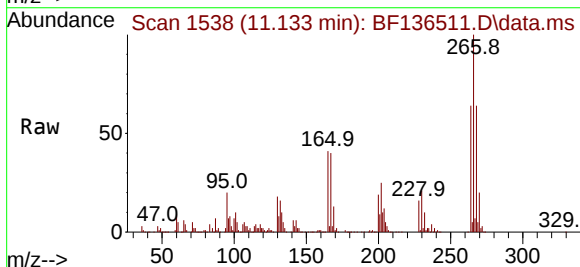
Tgt Ion:200 Resp: 330078  
Ion Ratio Lower Upper  
200 100  
173 26.9 6.0 46.0  
215 48.4 25.5 65.5

Manual Integrations  
APPROVED

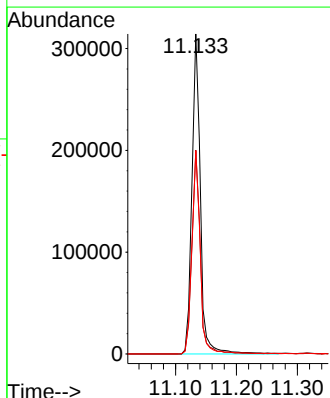
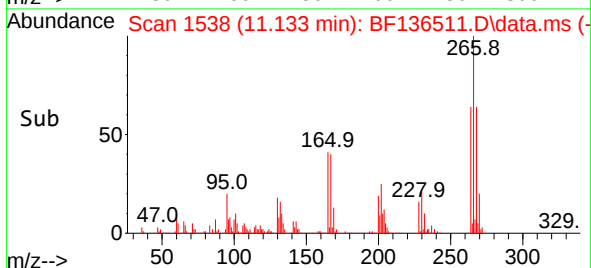
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

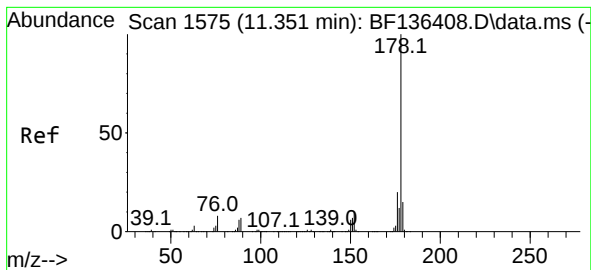


#70  
Pentachlorophenol  
Concen: 73.068 ng  
RT: 11.133 min Scan# 1538  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



Tgt Ion:266 Resp: 304016  
Ion Ratio Lower Upper  
266 100  
268 63.7 51.0 76.6  
264 63.6 52.2 78.4





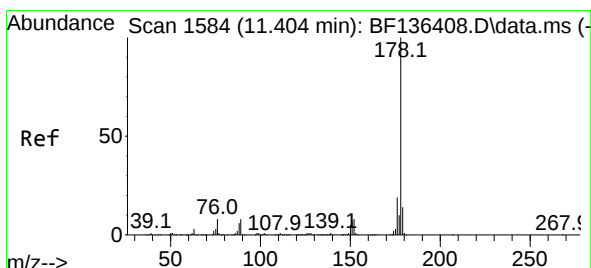
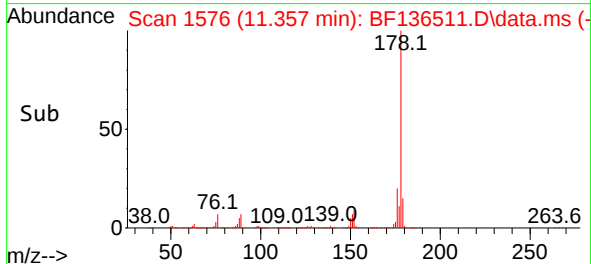
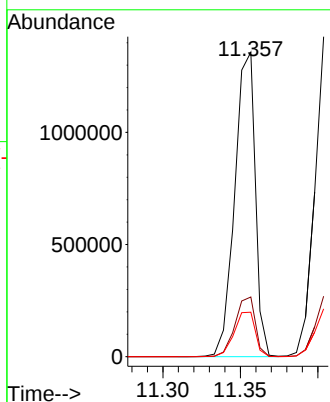
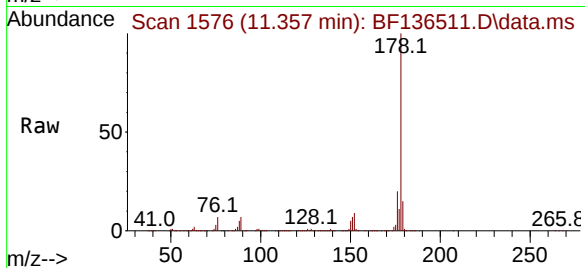
#71  
Phenanthrene  
Concen: 41.486 ng  
RT: 11.357 min Scan# 1575  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS

Tgt Ion:178 Resp: 1250980  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.9 23.9  
179 14.6 11.8 17.6

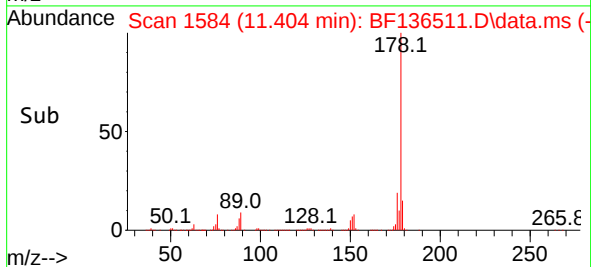
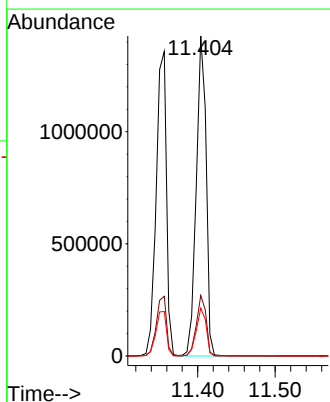
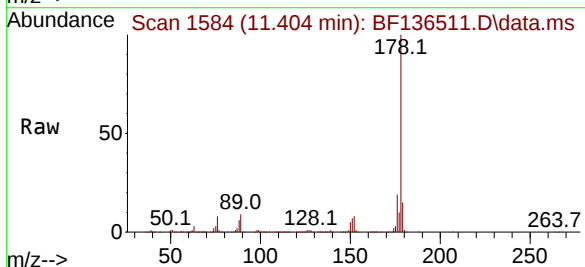
Manual Integrations  
APPROVED

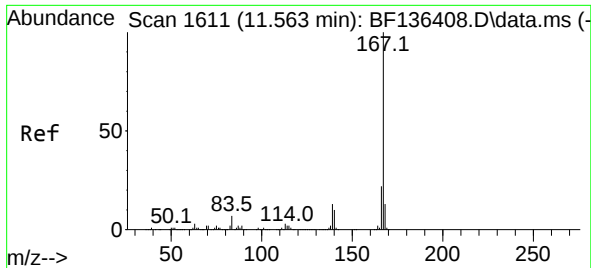
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#72  
Anthracene  
Concen: 41.550 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:178 Resp: 1261966  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.3 22.9  
179 15.0 11.4 17.0





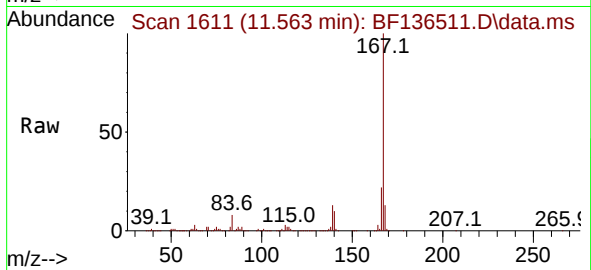
#73  
 Carbazole  
 Concen: 40.012 ng  
 RT: 11.563 min Scan# 1611  
 Delta R.T. -0.000 min  
 Lab File: BF136511.D  
 Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS



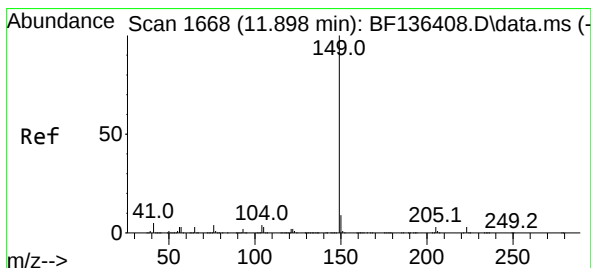
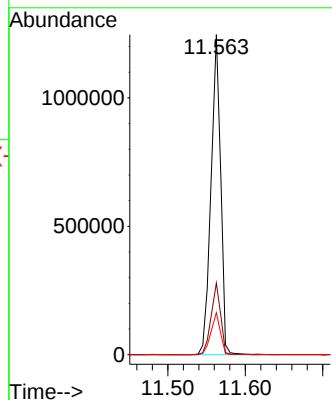
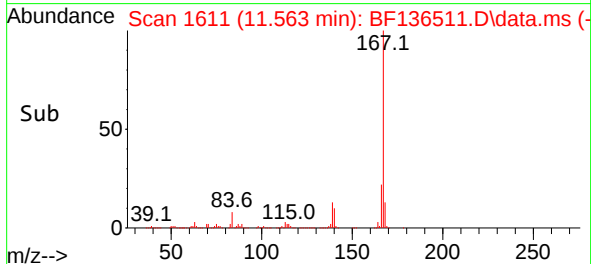
Tgt Ion:167 Resp: 1075589  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 18.0 27.0  
 139 13.1 10.2 15.4

Manual Integrations

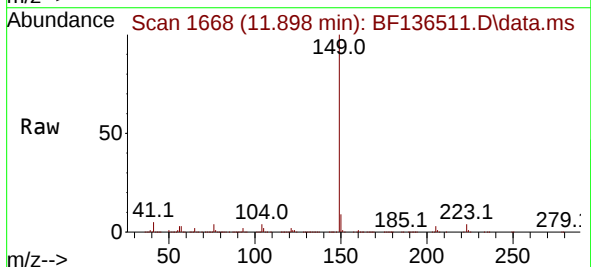
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

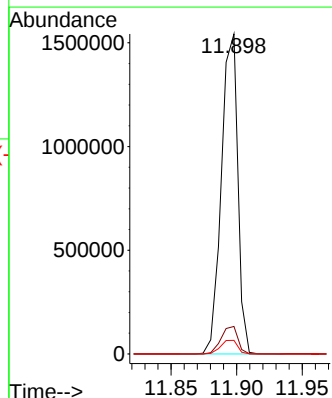
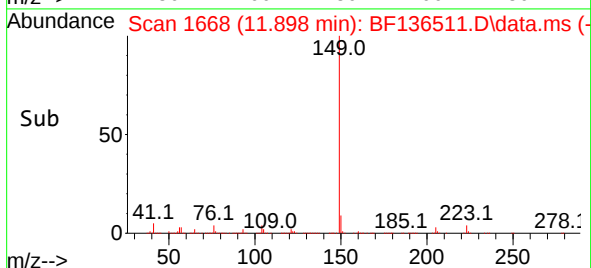
Supervised By :mohammad ahmed 12/14/2023

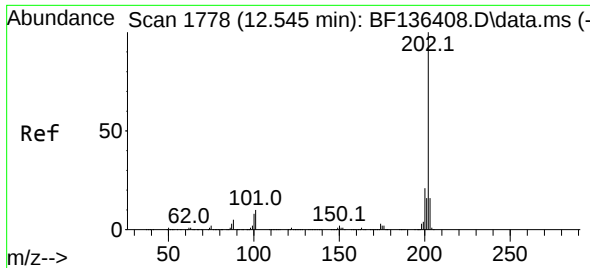


#74  
 Di-n-butylphthalate  
 Concen: 40.700 ng  
 RT: 11.898 min Scan# 1668  
 Delta R.T. -0.000 min  
 Lab File: BF136511.D  
 Acq: 12 Dec 2023 12:26



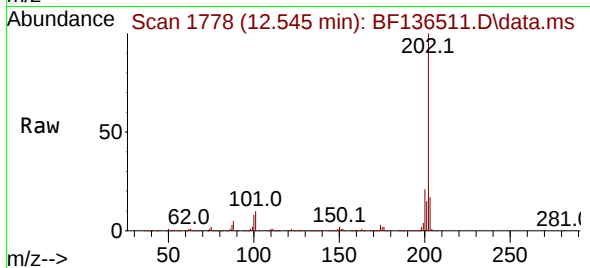
Tgt Ion:149 Resp: 1341249  
 Ion Ratio Lower Upper  
 149 100  
 150 8.6 6.9 10.3  
 104 4.3 3.5 5.3





#75  
Fluoranthene  
Concen: 37.829 ng  
RT: 12.545 min Scan# 11778  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

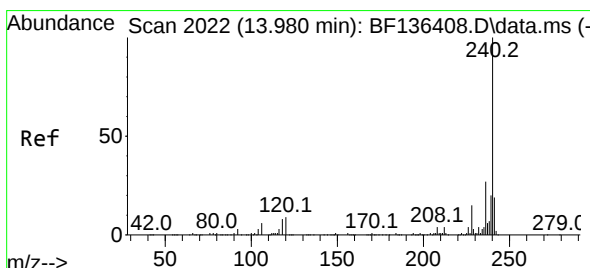
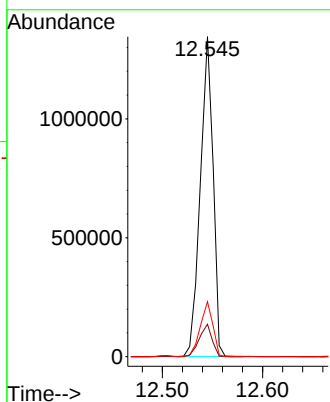
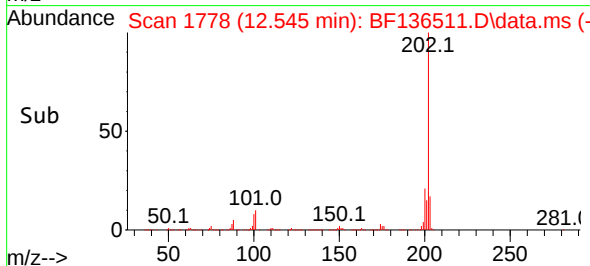
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



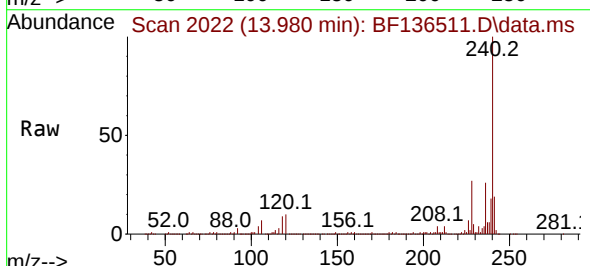
Tgt Ion:202 Resp: 1195400  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 29.9  
203 17.2 0.0 36.3

Manual Integrations  
APPROVED

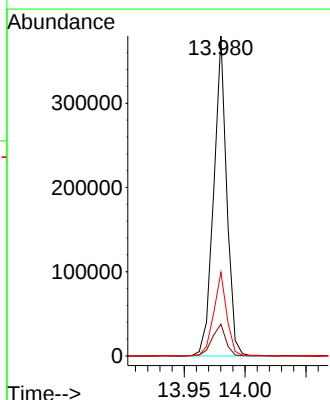
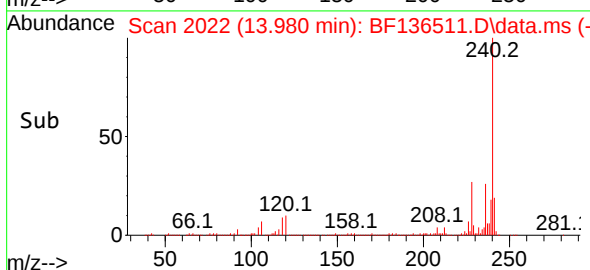
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

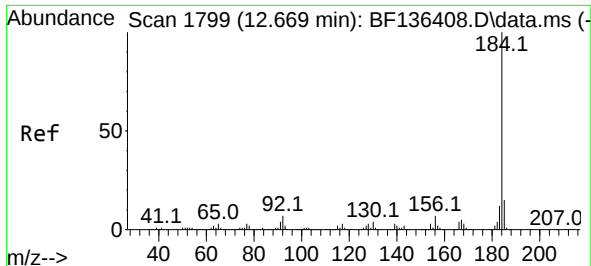


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



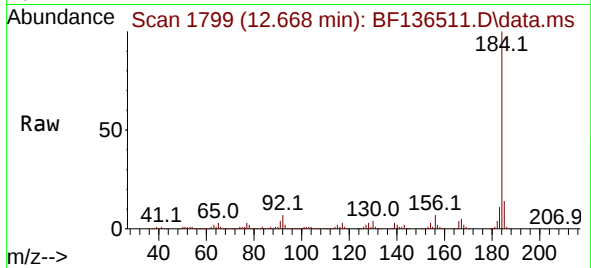
Tgt Ion:240 Resp: 281695  
Ion Ratio Lower Upper  
240 100  
120 9.9 7.3 10.9  
236 26.2 21.3 31.9





#77  
Benzidine  
Concen: 44.831 ng  
RT: 12.668 min Scan# 1799  
Delta R.T. -0.001 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

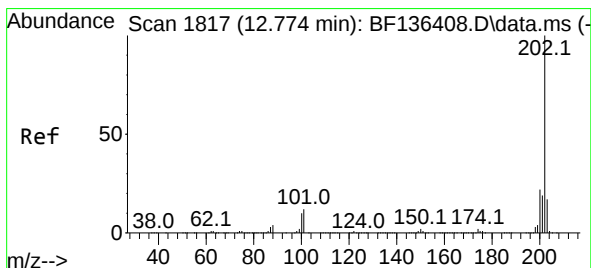
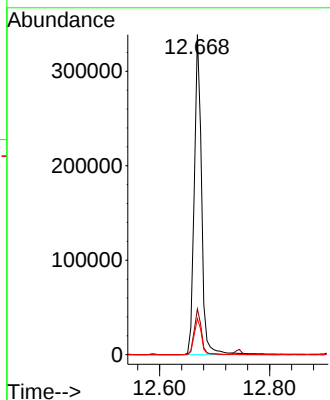
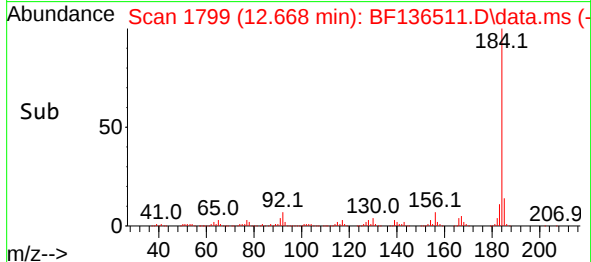
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



Tgt Ion:184 Resp: 311460  
Ion Ratio Lower Upper  
184 100  
185 14.3 12.0 18.0  
183 11.3 9.4 14.0

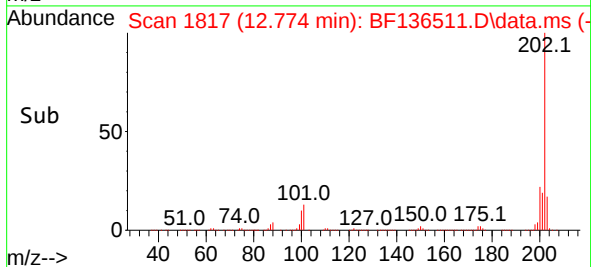
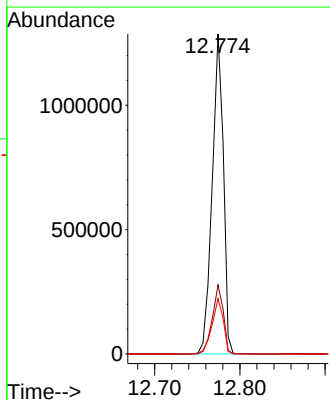
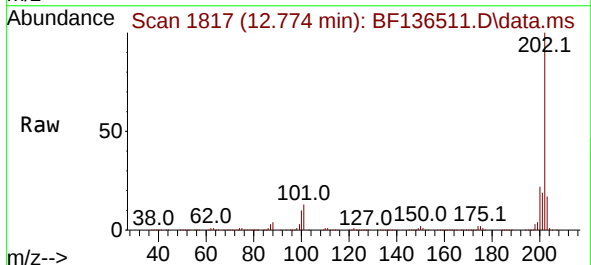
Manual Integrations  
APPROVED

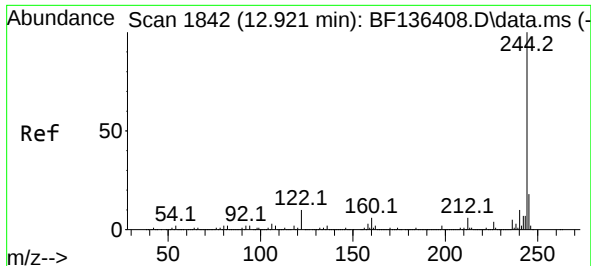
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#78  
Pyrene  
Concen: 42.522 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:202 Resp: 1173090  
Ion Ratio Lower Upper  
202 100  
200 21.6 18.0 27.0  
203 17.3 13.5 20.3





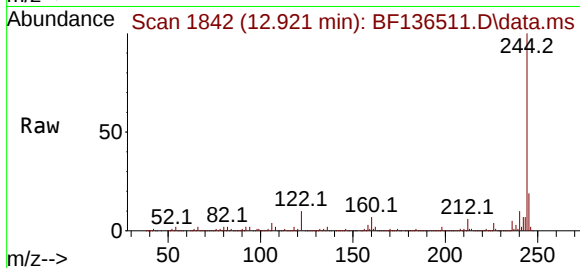
#79  
 Terphenyl-d14  
 Concen: 83.372 ng  
 RT: 12.921 min Scan# 1842  
 Delta R.T. -0.000 min  
 Lab File: BF136511.D  
 Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS



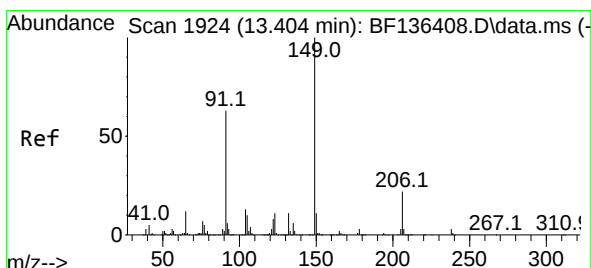
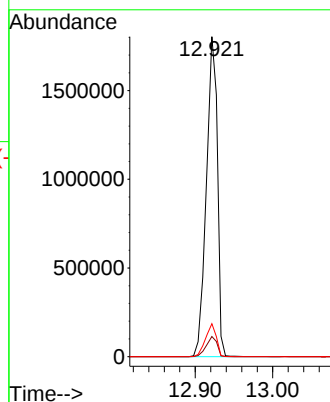
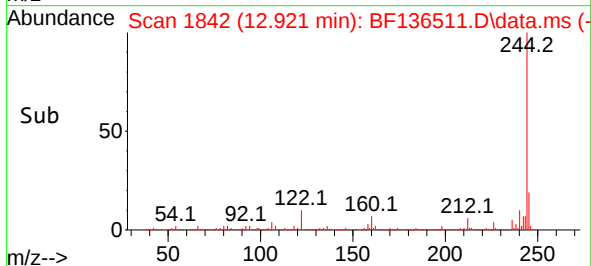
Tgt Ion:244 Resp: 178183  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.0 7.4  
 122 10.3 8.3 12.5

Manual Integrations

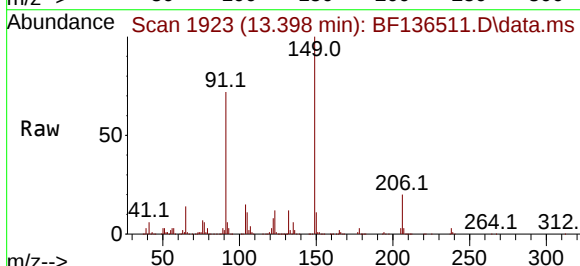
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

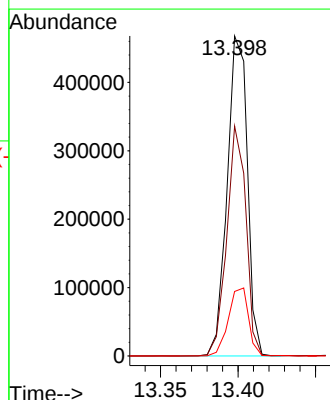
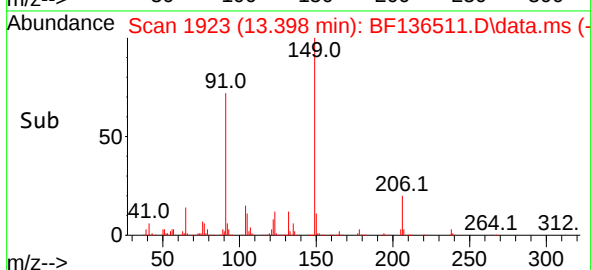
Supervised By :mohammad ahmed 12/14/2023

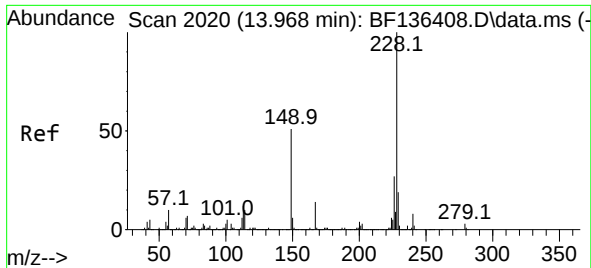


#80  
 Butylbenzylphthalate  
 Concen: 43.161 ng  
 RT: 13.398 min Scan# 1923  
 Delta R.T. -0.006 min  
 Lab File: BF136511.D  
 Acq: 12 Dec 2023 12:26



Tgt Ion:149 Resp: 423875  
 Ion Ratio Lower Upper  
 149 100  
 91 71.9 50.5 75.7  
 206 20.1 17.4 26.2





#81  
Benzo(a)anthracene  
Concen: 41.304 ng  
RT: 13.968 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

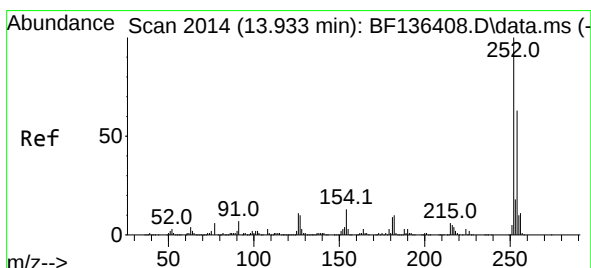
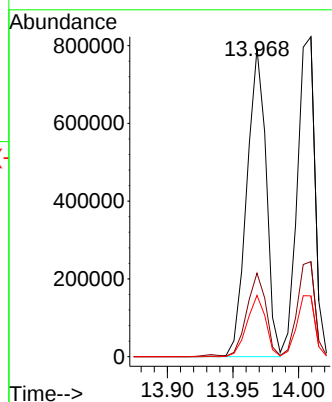
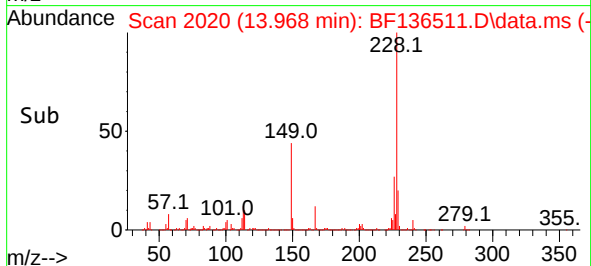
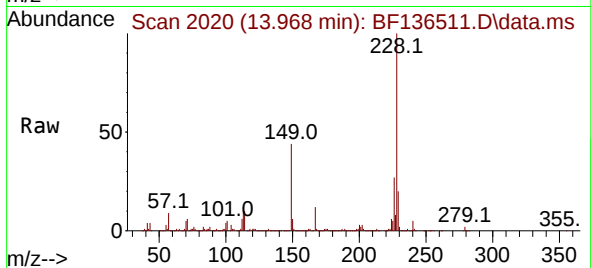
PB157455BS

Tgt Ion:228 Resp: 810450  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.8 32.8  
229 19.9 15.0 22.4

Manual Integrations

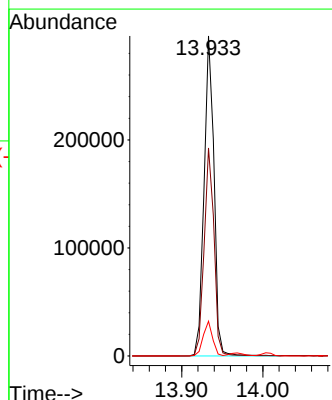
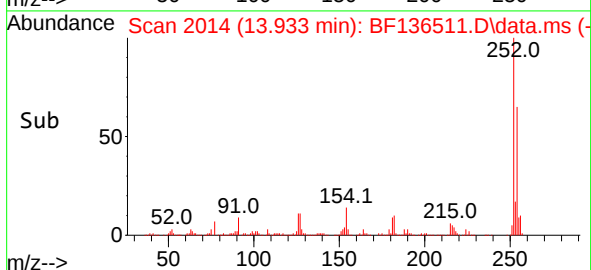
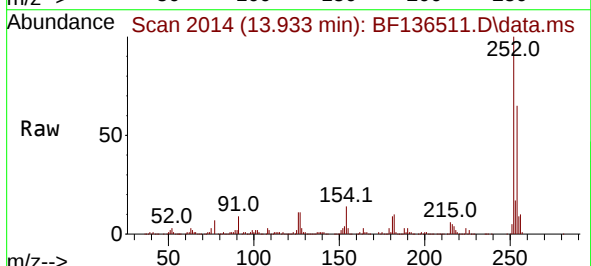
APPROVED

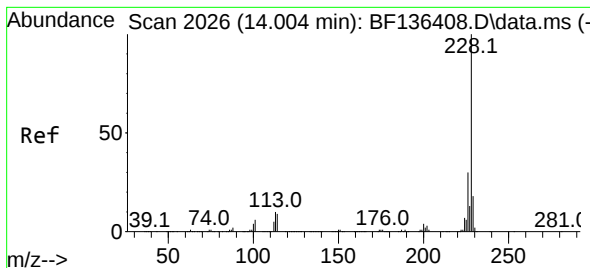
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 45.790 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:252 Resp: 251915  
Ion Ratio Lower Upper  
252 100  
254 65.0 50.8 76.2  
126 10.9 8.6 12.8





#83

Chrysene

Concen: 39.956 ng

RT: 14.009 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:228 Resp: 771358

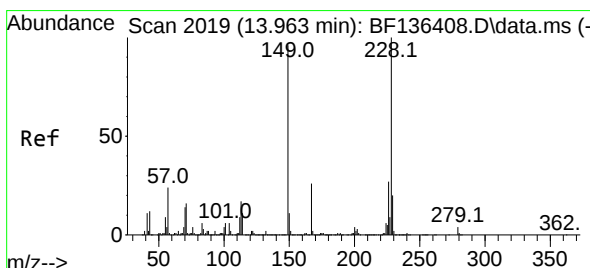
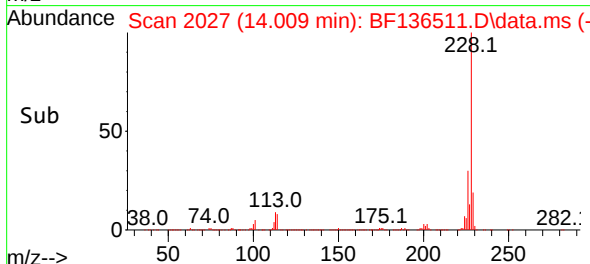
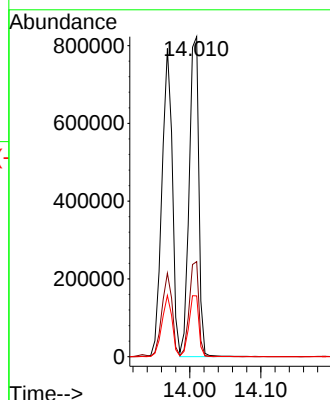
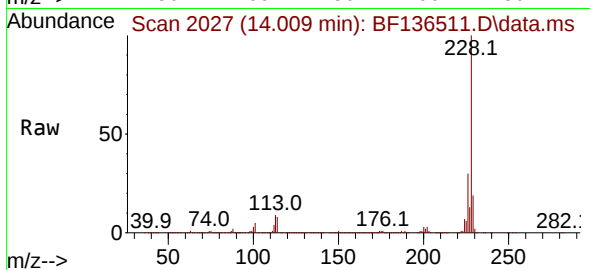
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.7  | 23.8  | 35.6  |
| 229 | 19.0  | 14.8  | 22.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.962 ng

RT: 13.962 min Scan# 2019

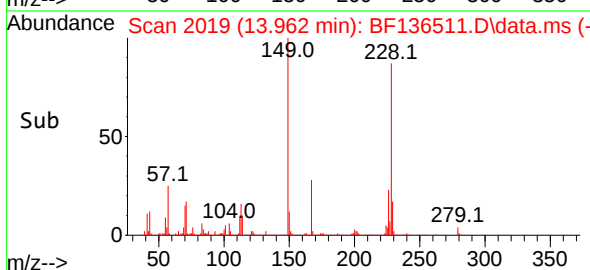
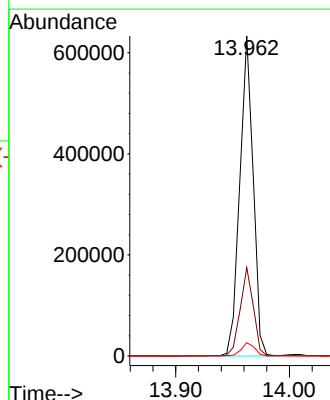
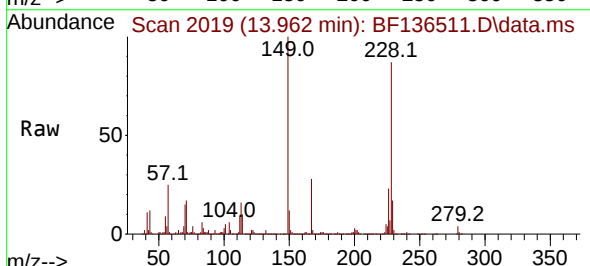
Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion:149 Resp: 517236

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.6  | 21.2  | 31.8  |
| 279 | 4.2   | 3.1   | 4.7   |





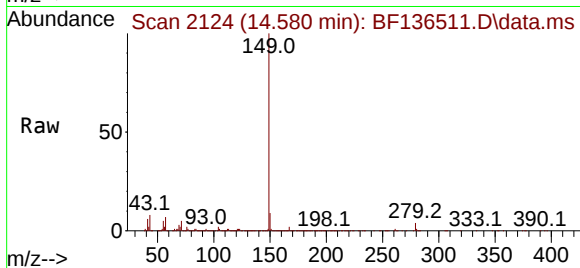
#85  
Di-n-octyl phthalate  
Concen: 43.325 ng  
RT: 14.580 min Scan# 2124  
Delta R.T. -0.000 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS



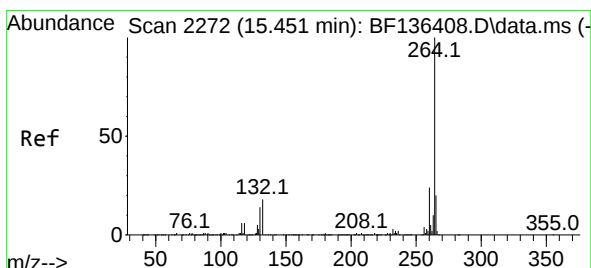
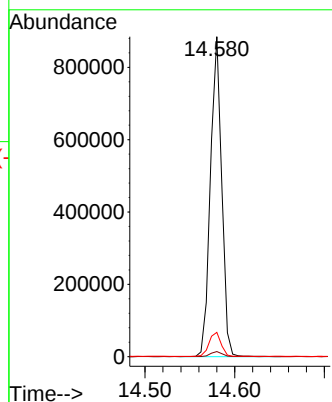
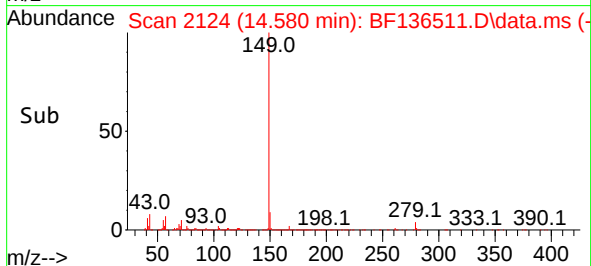
Tgt Ion:149 Resp: 770461  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.0 6.8 10.2

Manual Integrations

APPROVED

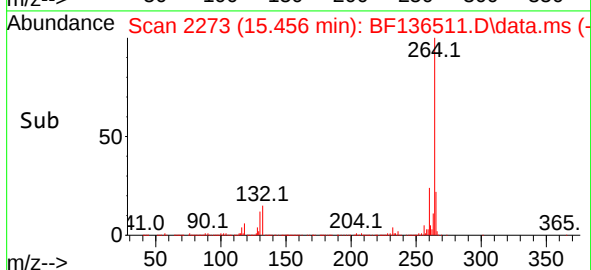
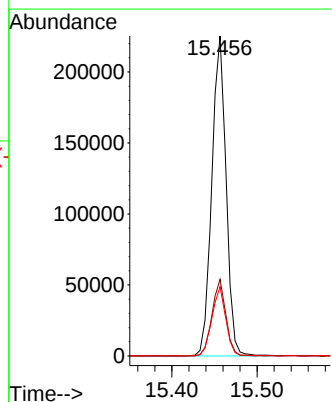
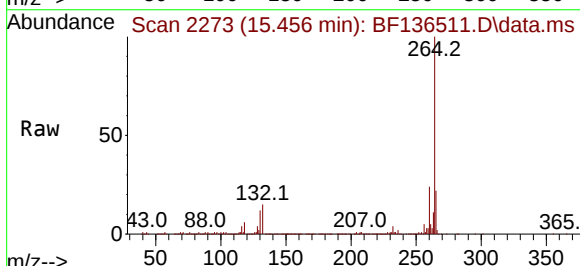
Reviewed By :Yogesh Patel 12/14/2023

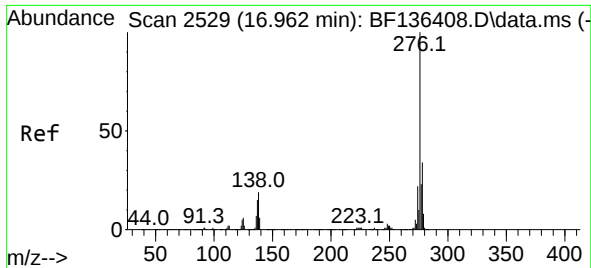
Supervised By :mohammad ahmed 12/14/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.456 min Scan# 2273  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Tgt Ion:264 Resp: 262413  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.2 28.8  
265 21.6 15.9 23.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 46.898 ng  
RT: 16.968 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

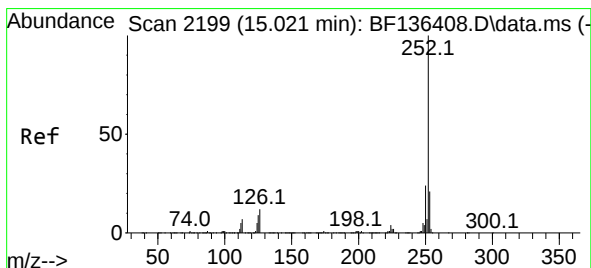
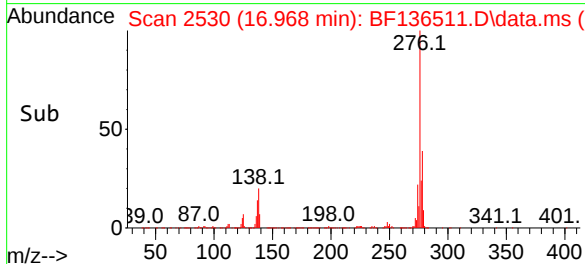
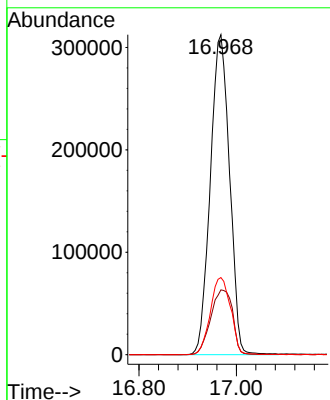
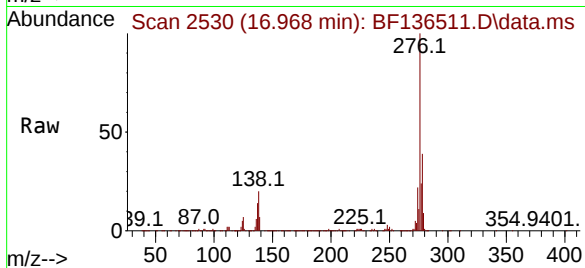
ClientSampleId :

PB157455BS

Tgt Ion:276 Resp: 85497  
Ion Ratio Lower Upper  
276 100  
138 23.2 19.0 28.4  
277 25.5 20.0 30.0

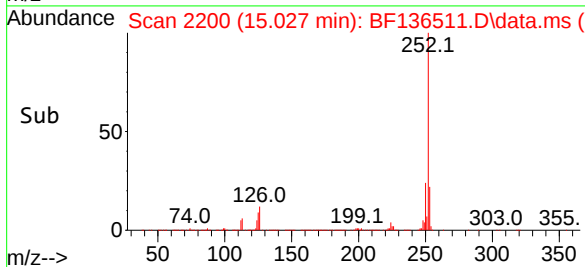
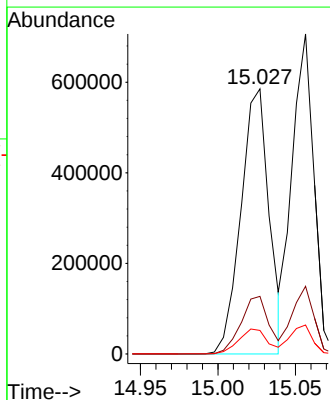
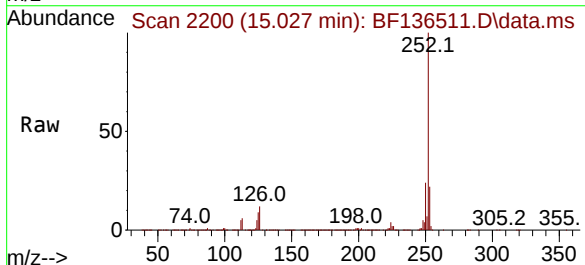
Manual Integrations  
APPROVED

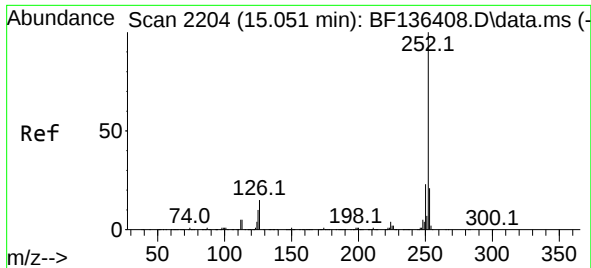
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#88  
Benzo(b)fluoranthene  
Concen: 41.336 ng  
RT: 15.027 min Scan# 2200  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

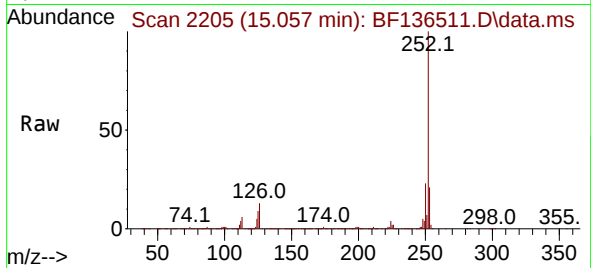
Tgt Ion:252 Resp: 741644  
Ion Ratio Lower Upper  
252 100  
253 21.7 16.9 25.3  
125 8.8 7.4 11.2





#89  
Benzo(k)fluoranthene  
Concen: 41.193 ng  
RT: 15.057 min Scan# 2204  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26

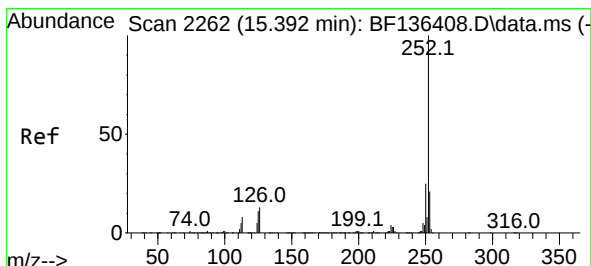
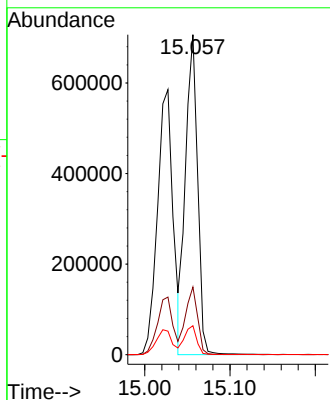
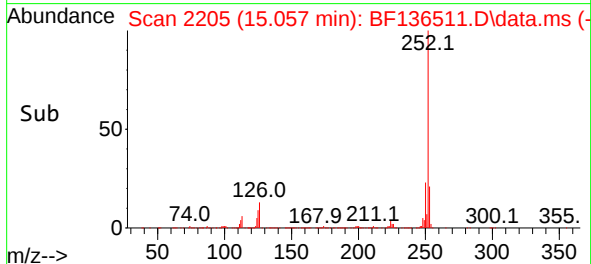
Instrument :  
BNA\_F  
ClientSampleId :  
PB157455BS



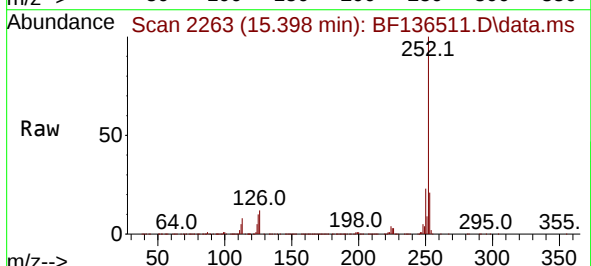
Tgt Ion:252 Resp: 696519  
Ion Ratio Lower Upper  
252 100  
253 21.2 16.9 25.3  
125 9.1 7.5 11.3

Manual Integrations  
APPROVED

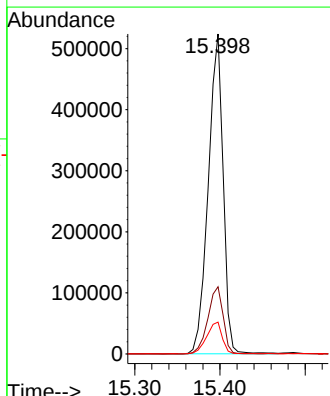
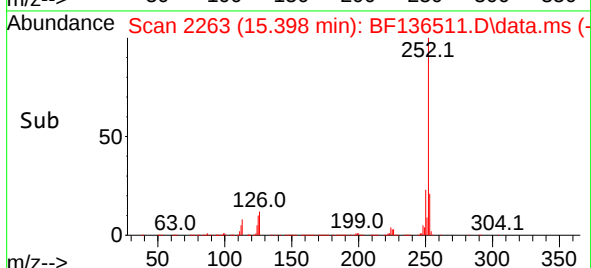
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

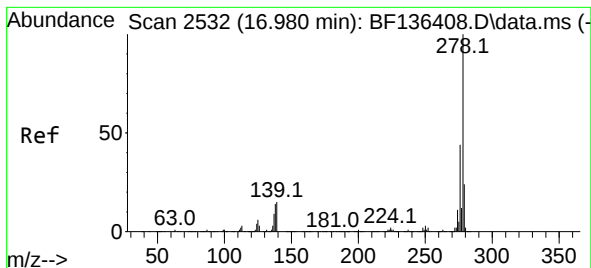


#90  
Benzo(a)pyrene  
Concen: 42.922 ng  
RT: 15.398 min Scan# 2263  
Delta R.T. 0.006 min  
Lab File: BF136511.D  
Acq: 12 Dec 2023 12:26



Tgt Ion:252 Resp: 635978  
Ion Ratio Lower Upper  
252 100  
253 21.0 17.0 25.4  
125 10.0 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 47.716 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA\_F

ClientSampleId :

PB157455BS

Tgt Ion:278 Resp: 712640

Ion Ratio Lower Upper

278 100

139 15.2 12.2 18.4

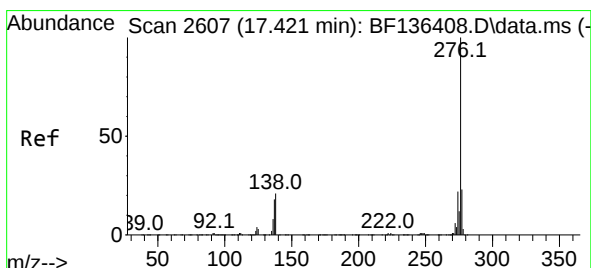
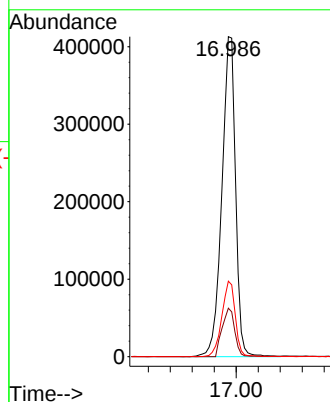
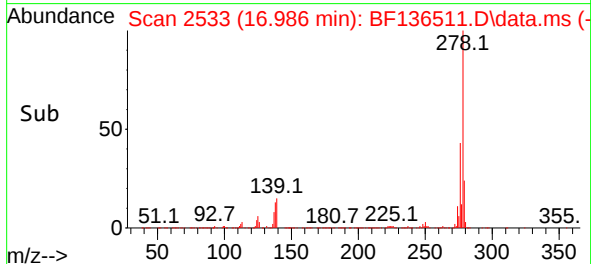
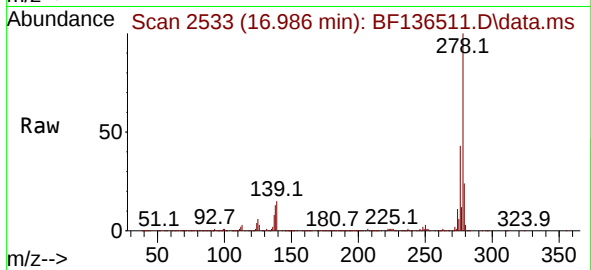
279 23.6 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#92

Benzo(g,h,i)perylene

Concen: 46.153 ng

RT: 17.427 min Scan# 2608

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion:276 Resp: 707499

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 21.1 16.6 25.0

