

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121423\  
 Data File : BF136566.D  
 Acq On : 14 Dec 2023 13:59  
 Operator : CG\JU  
 Sample : PB157494BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157494BSD

Quant Time: Dec 14 14:49:46 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 12/15/2023  
 Supervised By :mohammad ahmed 12/15/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 115227   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.069  | 136  | 472431   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.827  | 164  | 250010   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.316 | 188  | 472746   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.968 | 240  | 267556   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.445 | 264  | 243350   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.439  | 112  | 658228   | 84.363  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 818552   | 84.087  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 721504   | 82.562  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.621 | 330  | 273125   | 88.601  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1524178  | 83.186  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.915 | 244  | 1799028  | 88.624  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.663  | 88   | 106729   | 34.584  | ng    | 98       |
| 3) Pyridine                   | 3.410  | 79   | 278314   | 37.240  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 135263   | 41.659  | ng    | 99       |
| 6) Aniline                    | 6.457  | 93   | 364584   | 37.059  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.575  | 128  | 376624   | 44.216  | ng    | 99       |
| 9) Benzaldehyde               | 6.339  | 77   | 129030   | 23.742  | ng    | 98       |
| 10) Phenol                    | 6.451  | 94   | 443247   | 42.791  | ng    | 81       |
| 11) bis(2-Chloroethyl)ether   | 6.528  | 93   | 324989   | 42.091  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 382396   | 39.920  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 389230   | 40.056  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 374495   | 40.984  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 302376   | 46.387  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 405202   | 40.804  | ng    | 94       |
| 17) 2-Methylphenol            | 7.051  | 107  | 295831   | 42.989  | ng    | 92       |
| 18) Hexachloroethane          | 7.292  | 117  | 139219   | 41.036  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 239693   | 42.685  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 368490   | 43.141  | ng    | # 86     |
| 22) Acetophenone              | 7.198  | 105  | 500025   | 42.861  | ng    | # 97     |
| 24) Nitrobenzene              | 7.375  | 77   | 361418   | 41.112  | ng    | 97       |
| 25) Isophorone                | 7.610  | 82   | 667395   | 42.508  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 198082   | 45.832  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 333377   | 62.557  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 414759   | 42.991  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 316339   | 44.972  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 345143   | 42.079  | ng    | 96       |
| 31) Naphthalene               | 8.092  | 128  | 1086802  | 41.716  | ng    | 99       |
| 32) Benzoic acid              | 7.869  | 122  | 217423   | 41.127  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 175709   | 18.918  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 199000   | 40.938  | ng    | 98       |
| 35) Caprolactam               | 8.522  | 113  | 100572m  | 46.428  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.633  | 107  | 335037   | 44.858  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.780  | 142  | 713163   | 43.028  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 8.880  | 142  | 661910   | 40.698  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 337160   | 43.347  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.933  | 237  | 415981   | 144.357 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 227164   | 44.854  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121423\  
 Data File : BF136566.D  
 Acq On : 14 Dec 2023 13:59  
 Operator : CG\JU  
 Sample : PB157494BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157494BSD

Quant Time: Dec 14 14:49:46 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 12/15/2023  
 Supervised By :mohammad ahmed 12/15/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 245041   | 43.350 | ng    | 92       |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 911359   | 42.841 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 702987   | 42.457 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 192214   | 43.284 | ng    | 88       |
| 49) Acenaphthylene            | 9.686  | 152  | 1040175  | 44.100 | ng    | 99       |
| 50) Dimethylphthalate         | 9.557  | 163  | 824725   | 44.806 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 182302   | 44.024 | ng    | 96       |
| 52) Acenaphthene              | 9.863  | 154  | 658021   | 43.536 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 124857   | 29.527 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 194438   | 92.869 | ng    | 94       |
| 55) Dibenzofuran              | 10.033 | 168  | 961466   | 43.544 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.963  | 139  | 289699   | 91.388 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.027 | 165  | 241622   | 44.108 | ng    | 95       |
| 58) Fluorene                  | 10.380 | 166  | 768214   | 43.342 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 211553   | 46.723 | ng    | 99       |
| 60) Diethylphthalate          | 10.257 | 149  | 788168   | 43.546 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204  | 378307   | 43.783 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.410 | 138  | 183057   | 43.597 | ng    | 97       |
| 63) Azobenzene                | 10.533 | 77   | 703123   | 42.679 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 136522   | 46.630 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 681133   | 44.902 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 243303   | 44.266 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.921 | 284  | 281733   | 44.349 | ng    | 99       |
| 69) Atrazine                  | 11.027 | 200  | 239297   | 55.270 | ng    | 98       |
| 70) Pentachlorophenol         | 11.121 | 266  | 280578   | 78.258 | ng    | 99       |
| 71) Phenanthrene              | 11.345 | 178  | 1162462  | 44.737 | ng    | 100      |
| 72) Anthracene                | 11.392 | 178  | 1193766  | 45.613 | ng    | 98       |
| 73) Carbazole                 | 11.551 | 167  | 1023574  | 44.188 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 1270552  | 44.743 | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 1183800  | 43.474 | ng    | 99       |
| 77) Benzidine                 | 12.657 | 184  | 299547   | 45.159 | ng    | 98       |
| 78) Pyrene                    | 12.763 | 202  | 1184549  | 45.206 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 462076   | 49.537 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 862126   | 46.259 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 187810   | 35.941 | ng    | 100      |
| 83) Chrysene                  | 13.998 | 228  | 825055   | 44.996 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 604782   | 52.888 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.568 | 149  | 911838   | 53.984 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.950 | 276  | 824802   | 48.787 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.009 | 252  | 762155   | 45.807 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 683890   | 43.615 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.380 | 252  | 627109   | 45.638 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 686503   | 49.567 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 663048   | 46.642 | ng    | 99       |

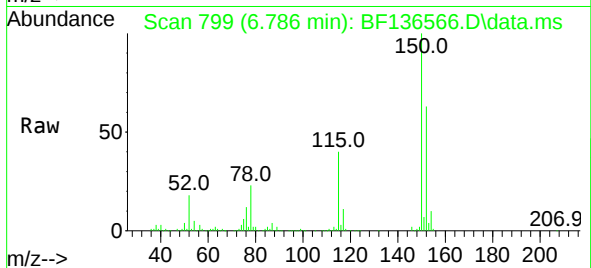
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.786 min Scan# 79  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

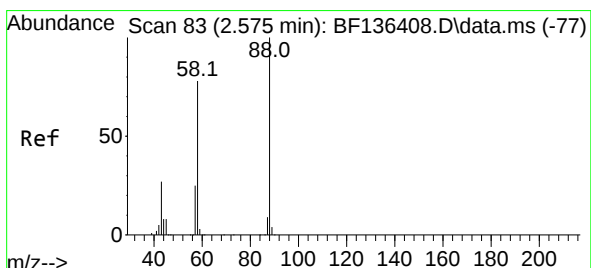
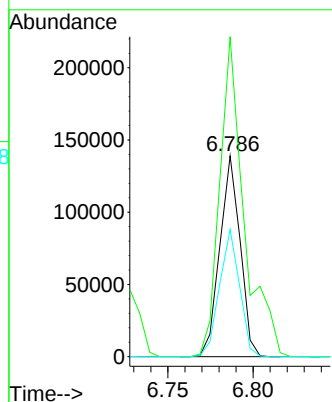
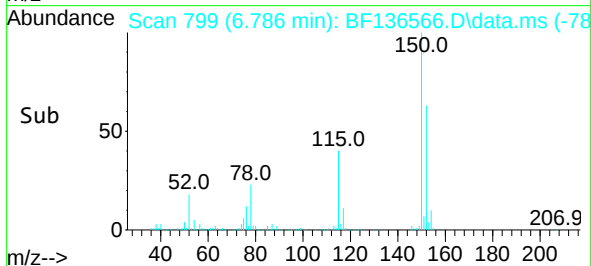
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



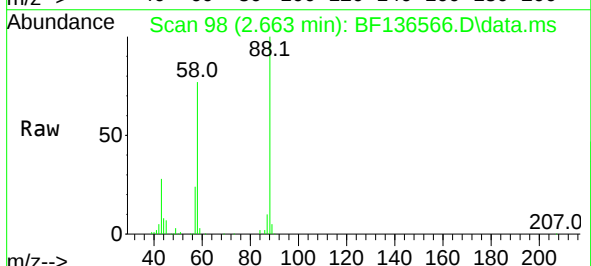
Tgt Ion:152 Resp: 11522  
Ion Ratio Lower Upper  
152 100  
150 159.4 126.4 189.6  
115 63.3 48.2 72.4

Manual Integrations  
APPROVED

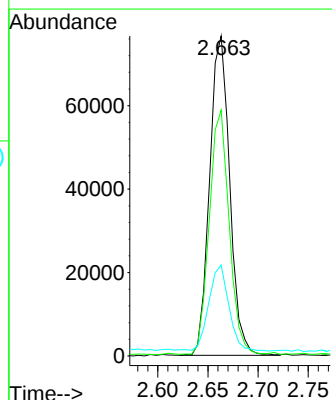
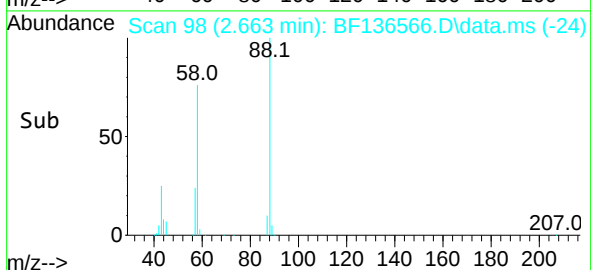
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

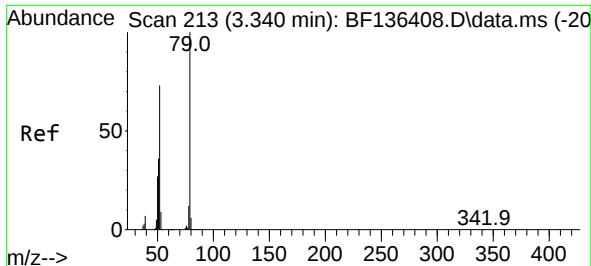


#2  
1,4-Dioxane  
Concen: 34.584 ng  
RT: 2.663 min Scan# 98  
Delta R.T. 0.088 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



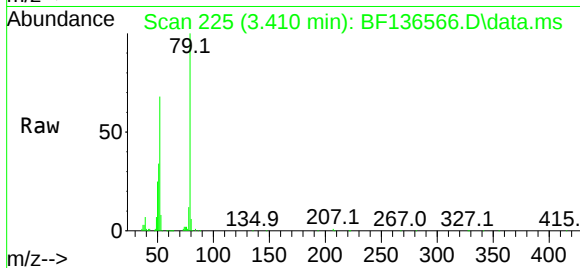
Tgt Ion: 88 Resp: 106729  
Ion Ratio Lower Upper  
88 100  
58 75.4 62.2 93.2  
43 26.8 21.5 32.3





#3  
Pyridine  
Concen: 37.240 ng  
RT: 3.410 min Scan# 213  
Delta R.T. 0.070 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

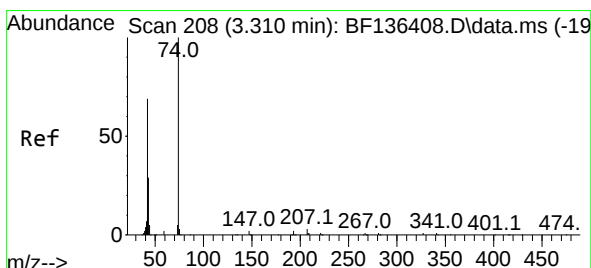
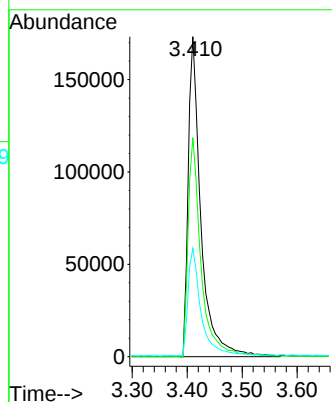
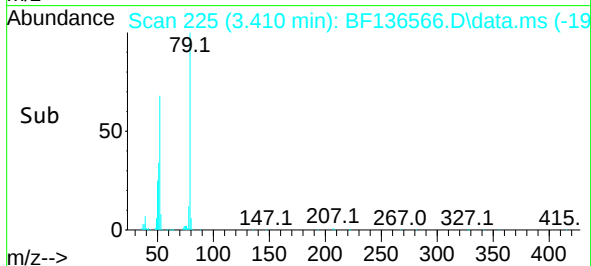
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



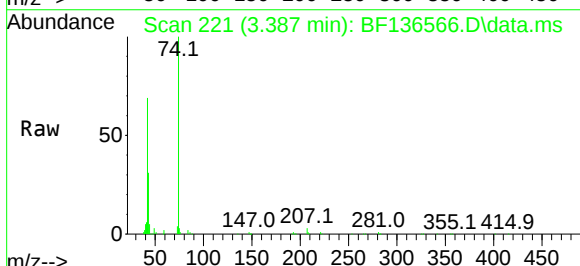
Tgt Ion: 79 Resp: 278314  
Ion Ratio Lower Upper  
79 100  
52 68.5 58.2 87.2  
51 33.9 29.1 43.7

Manual Integrations  
APPROVED

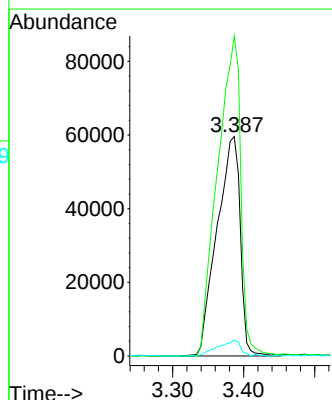
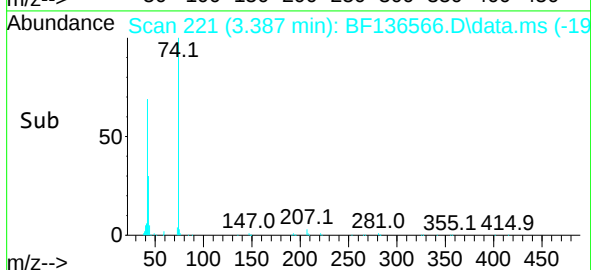
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

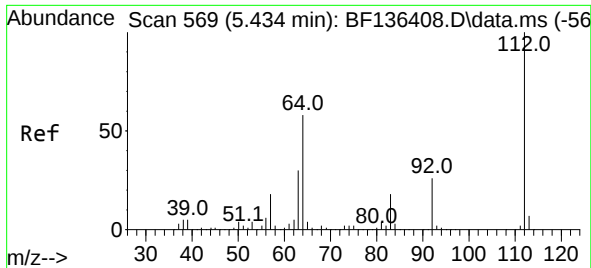


#4  
n-Nitrosodimethylamine  
Concen: 41.659 ng  
RT: 3.387 min Scan# 221  
Delta R.T. 0.076 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



Tgt Ion: 42 Resp: 135263  
Ion Ratio Lower Upper  
42 100  
74 145.8 115.4 173.0  
44 7.1 6.2 9.2





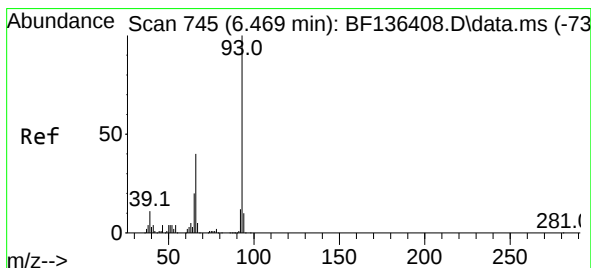
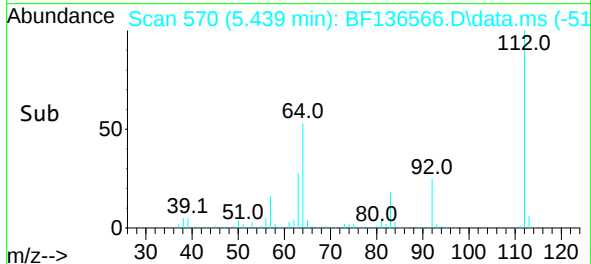
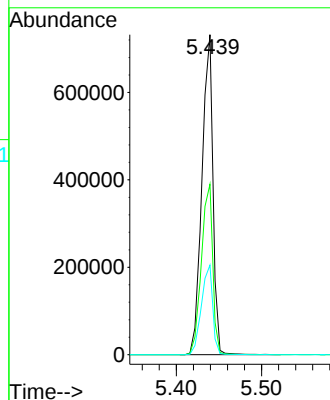
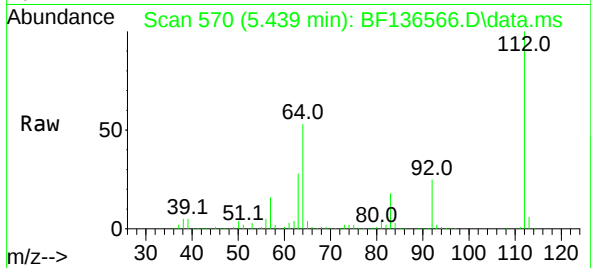
#5  
2-Fluorophenol  
Concen: 84.363 ng  
RT: 5.439 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD

Tgt Ion:112 Resp: 658228  
Ion Ratio Lower Upper  
112 100  
64 53.2 46.5 69.7  
63 28.0 23.9 35.9

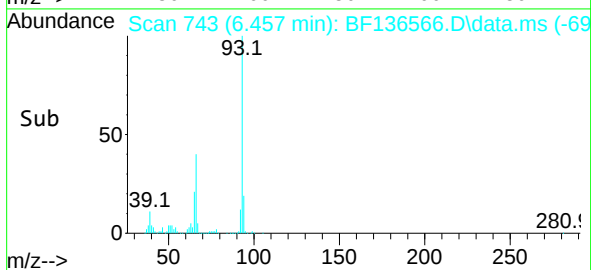
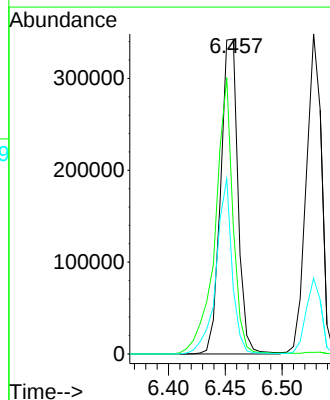
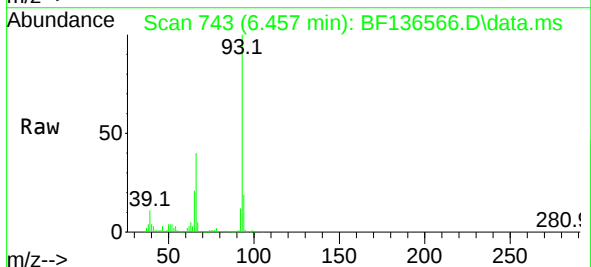
Manual Integrations  
APPROVED

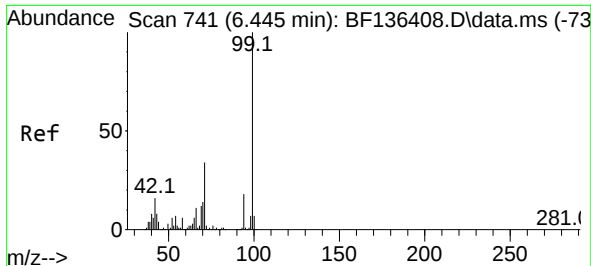
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#6  
Aniline  
Concen: 37.059 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

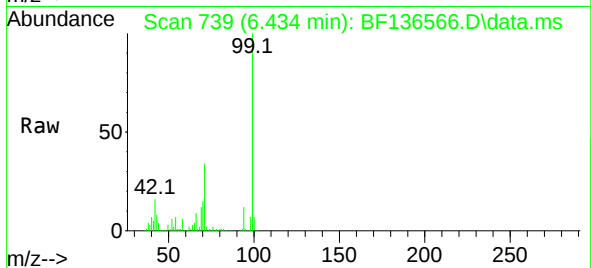
Tgt Ion: 93 Resp: 364584  
Ion Ratio Lower Upper  
93 100  
66 40.4 32.5 48.7  
65 20.5 16.4 24.6





#7  
Phenol-d6  
Concen: 84.087 ng  
RT: 6.434 min Scan# 713  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

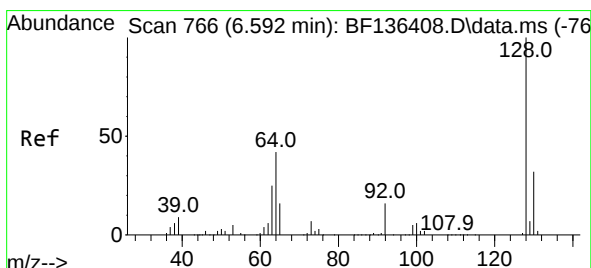
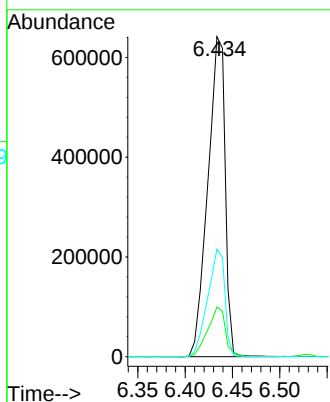
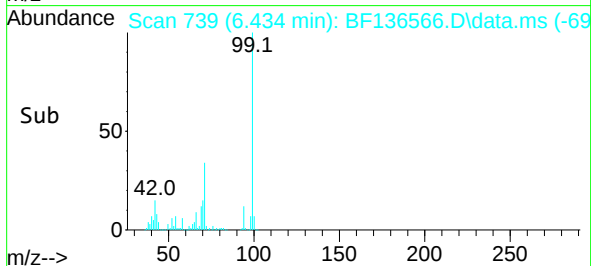
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



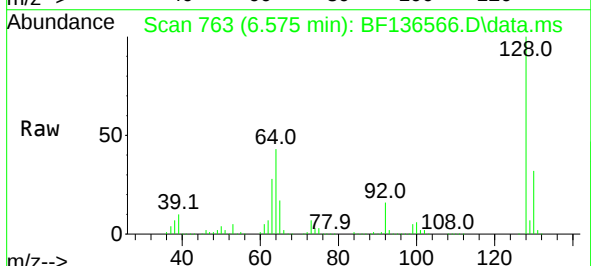
Tgt Ion: 99 Resp: 818552  
Ion Ratio Lower Upper  
99 100  
42 15.5 12.8 19.2  
71 33.6 27.0 40.4

Manual Integrations  
APPROVED

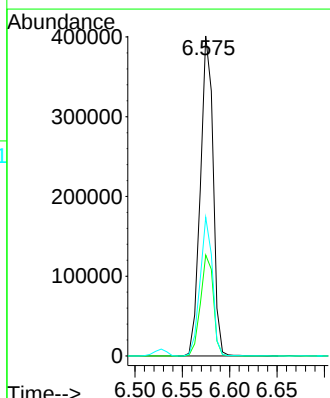
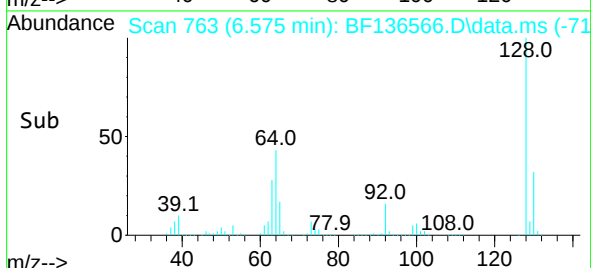
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

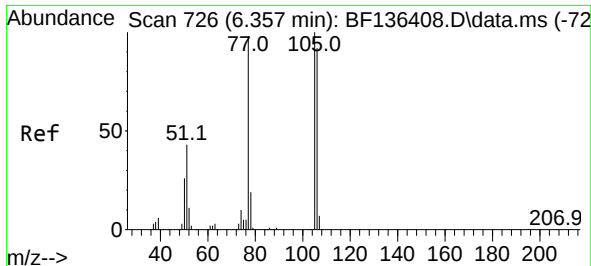


#8  
2-Chlorophenol  
Concen: 44.216 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



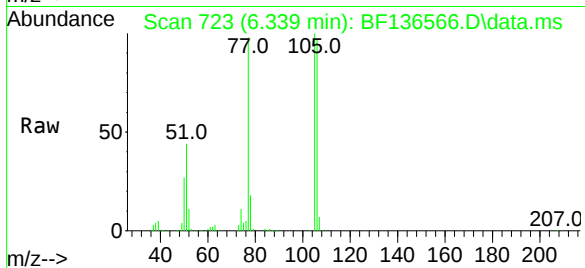
Tgt Ion:128 Resp: 376624  
Ion Ratio Lower Upper  
128 100  
130 31.6 11.7 51.7  
64 43.3 22.5 62.5





#9  
Benzaldehyde  
Concen: 23.742 ng  
RT: 6.339 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

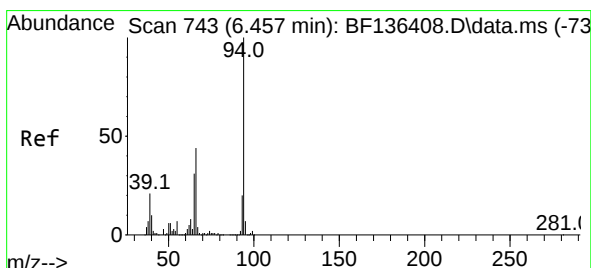
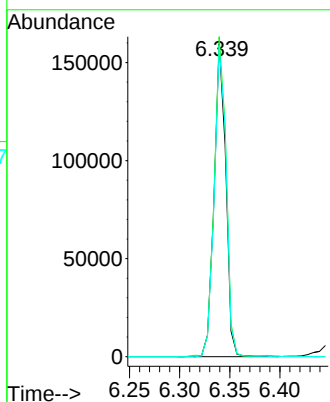
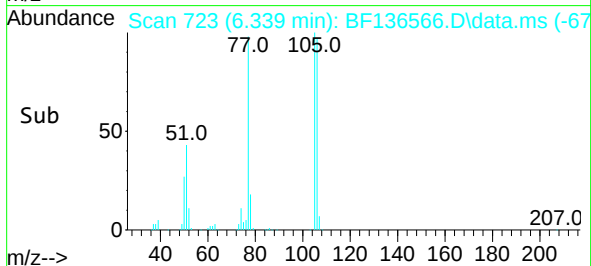
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



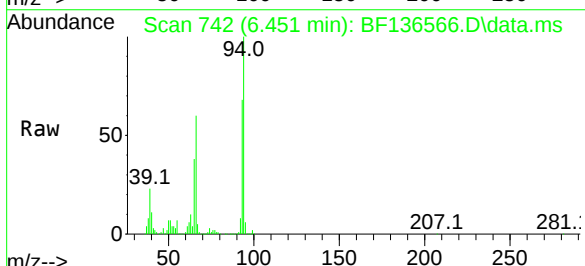
Tgt Ion: 77 Resp: 129030  
Ion Ratio Lower Upper  
77 100  
105 102.2 82.5 122.5  
106 99.2 74.5 114.5

Manual Integrations  
APPROVED

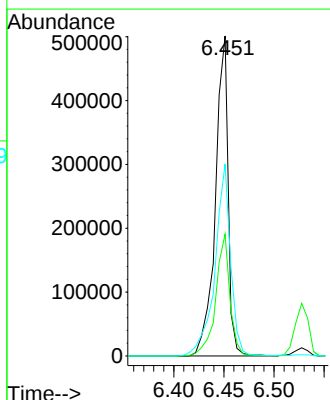
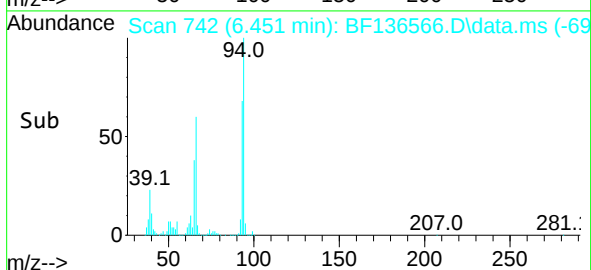
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#10  
Phenol  
Concen: 42.791 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



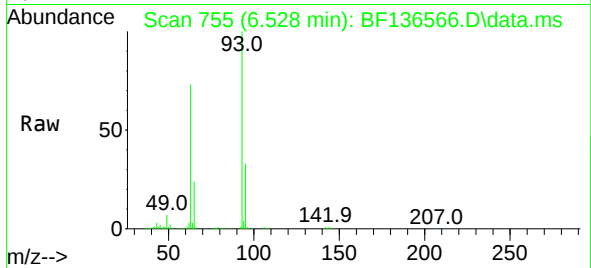
Tgt Ion: 94 Resp: 443247  
Ion Ratio Lower Upper  
94 100  
65 38.1 11.2 51.2  
66 60.0 24.2 64.2





#11  
bis(2-Chloroethyl)ether  
Concen: 42.091 ng  
RT: 6.528 min Scan# 758  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

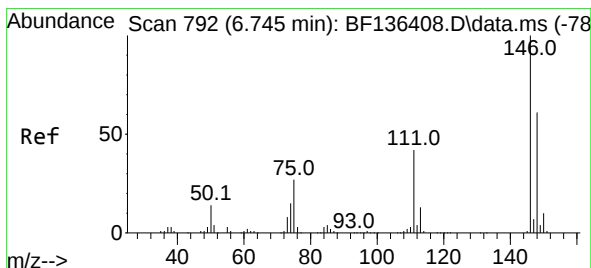
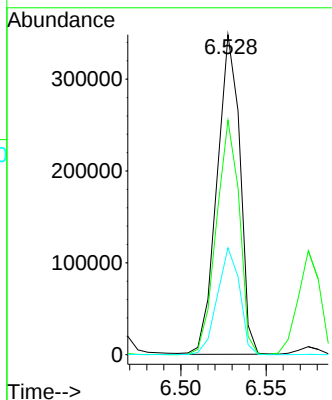
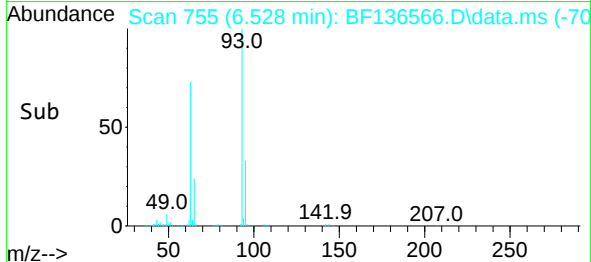
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



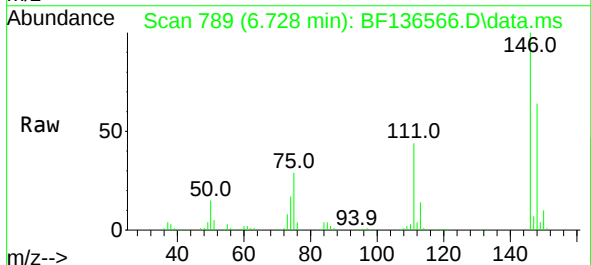
Tgt Ion: 93 Resp: 324989  
Ion Ratio Lower Upper  
93 100  
63 73.3 56.8 96.8  
95 33.4 11.8 51.8

Manual Integrations  
APPROVED

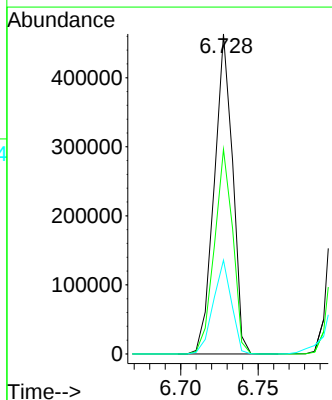
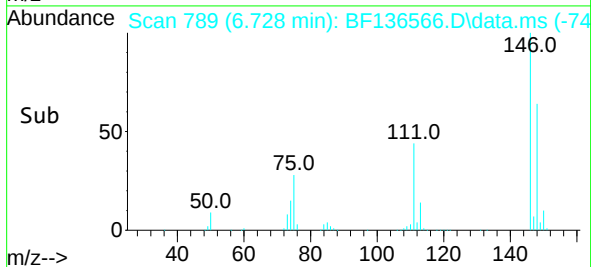
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

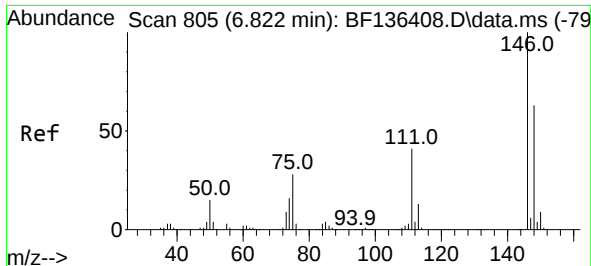


#12  
1,3-Dichlorobenzene  
Concen: 39.920 ng  
RT: 6.728 min Scan# 789  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



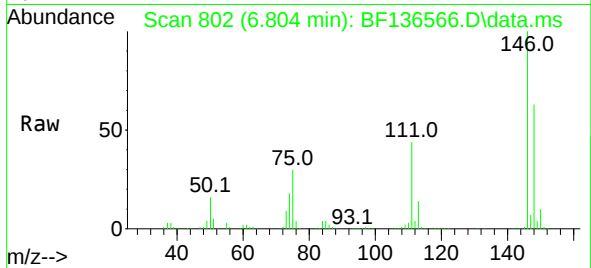
Tgt Ion:146 Resp: 382396  
Ion Ratio Lower Upper  
146 100  
148 63.9 49.0 73.6  
75 29.3 21.8 32.6





#13  
1,4-Dichlorobenzene  
Concen: 40.056 ng  
RT: 6.804 min Scan# 805  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

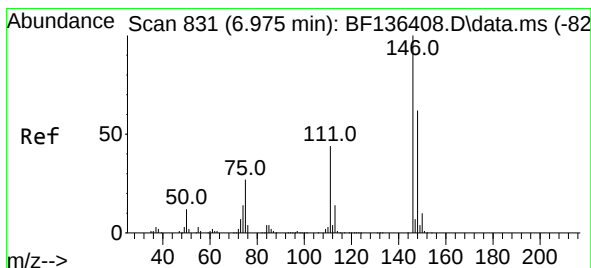
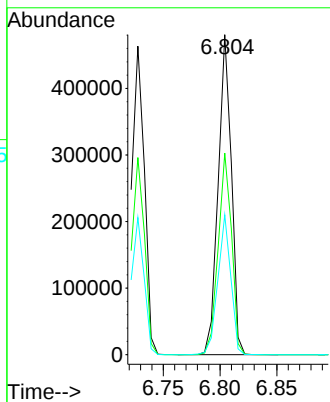
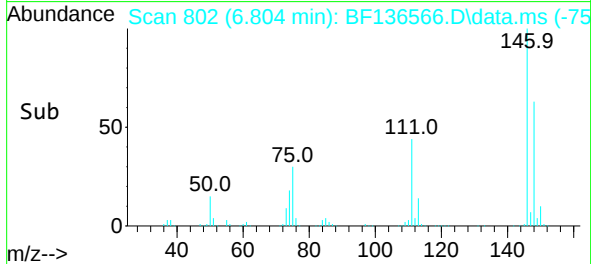
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



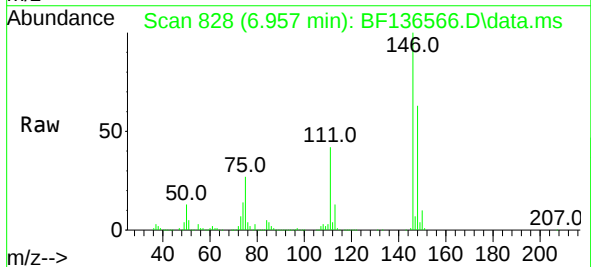
Tgt Ion:146 Resp: 389230  
Ion Ratio Lower Upper  
146 100  
148 63.0 50.3 75.5  
111 43.7 32.6 49.0

Manual Integrations  
APPROVED

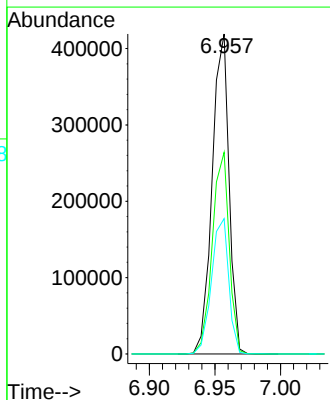
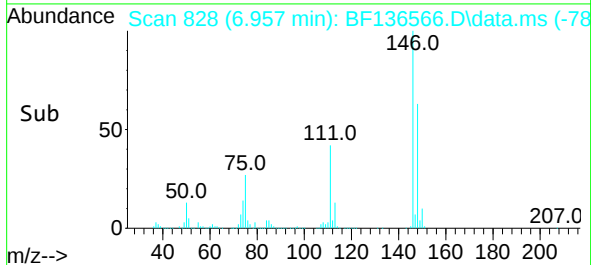
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

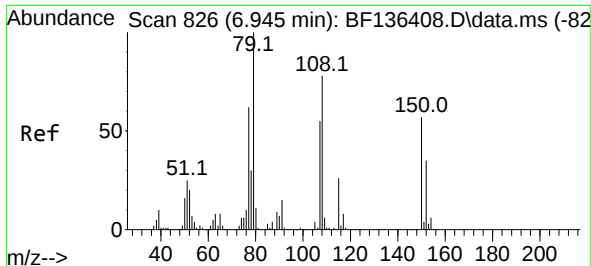


#14  
1,2-Dichlorobenzene  
Concen: 40.984 ng  
RT: 6.957 min Scan# 828  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



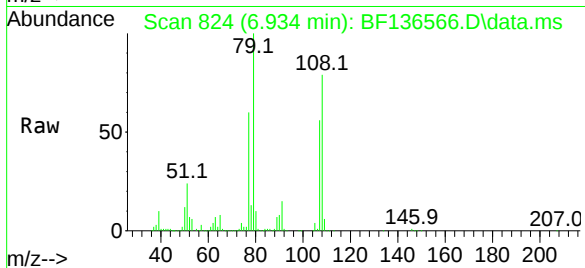
Tgt Ion:146 Resp: 374495  
Ion Ratio Lower Upper  
146 100  
148 63.0 49.8 74.6  
111 42.3 34.9 52.3





#15  
Benzyl Alcohol  
Concen: 46.387 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

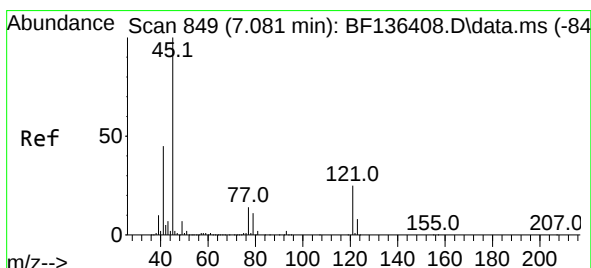
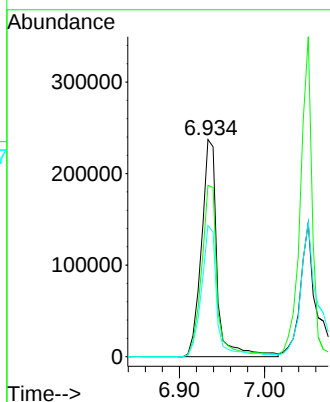
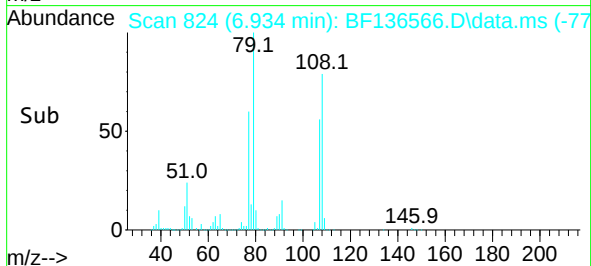
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



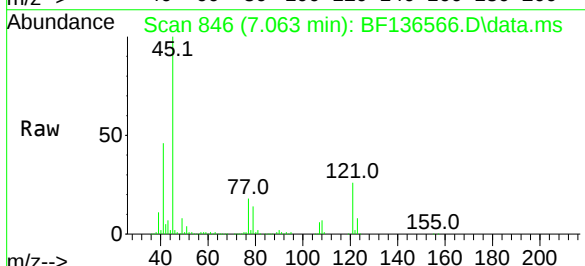
Tgt Ion: 79 Resp: 302370  
Ion Ratio Lower Upper  
79 100  
108 78.8 62.3 93.5  
77 60.4 49.8 74.8

Manual Integrations  
APPROVED

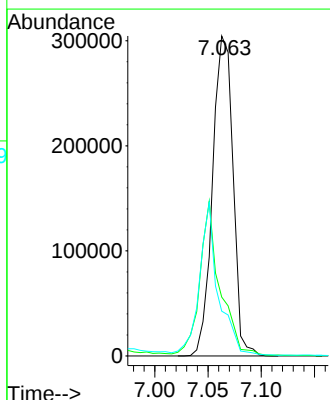
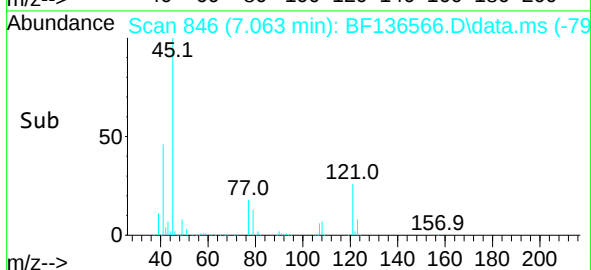
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

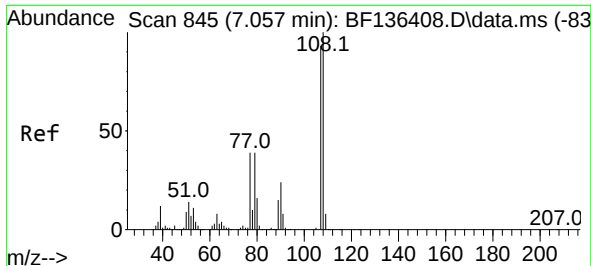


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.804 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



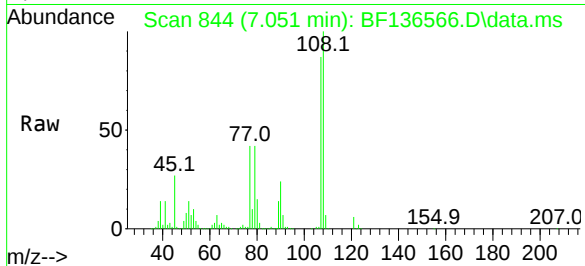
Tgt Ion: 45 Resp: 405202  
Ion Ratio Lower Upper  
45 100  
77 18.4 0.0 35.3  
79 14.0 0.0 32.5





#17  
2-Methylphenol  
Concen: 42.989 ng  
RT: 7.051 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

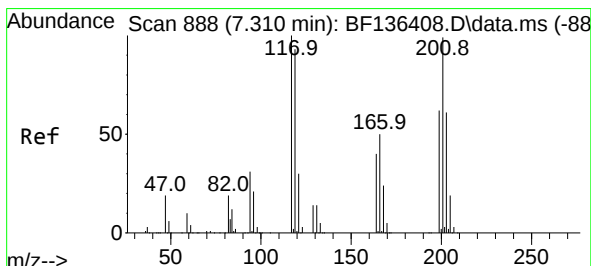
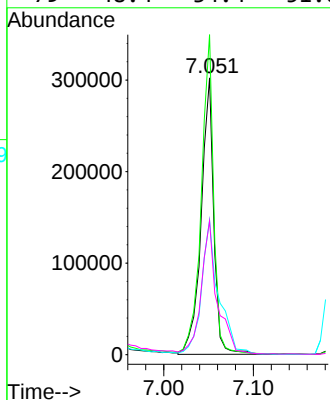
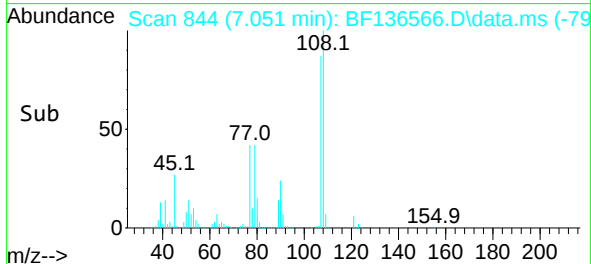
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



Tgt Ion:107 Resp: 29583  
Ion Ratio Lower Upper  
107 100  
108 115.6 86.5 129.7  
77 48.6 33.8 50.8  
79 48.4 34.4 51.6

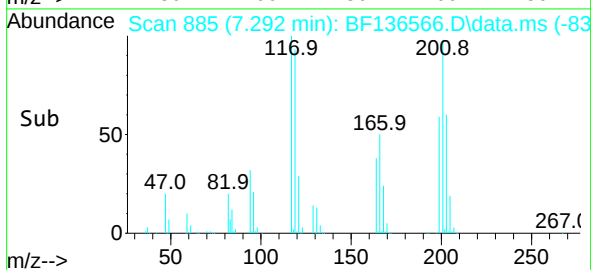
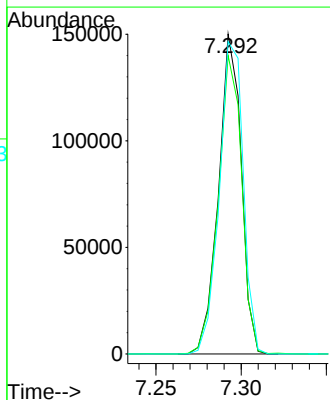
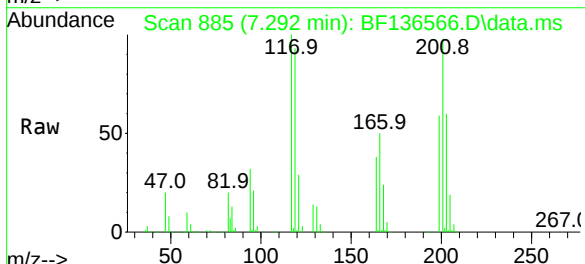
Manual Integrations  
APPROVED

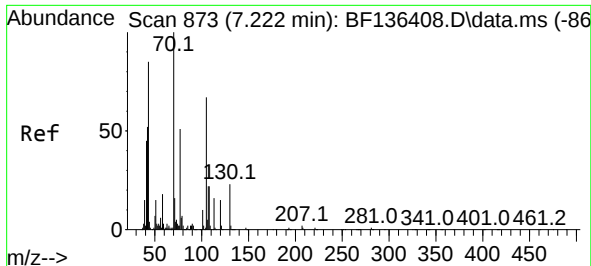
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#18  
Hexachloroethane  
Concen: 41.036 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

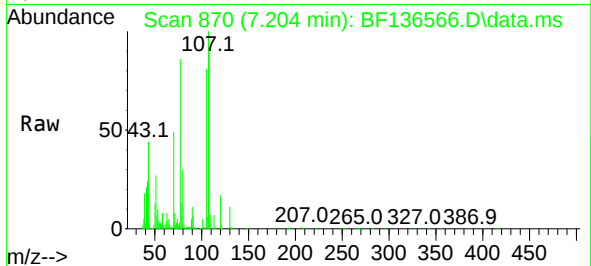
Tgt Ion:117 Resp: 139219  
Ion Ratio Lower Upper  
117 100  
119 93.3 74.3 111.5  
201 97.6 79.3 118.9





#19  
n-Nitroso-di-n-propylamine  
Concen: 42.685 ng  
RT: 7.204 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

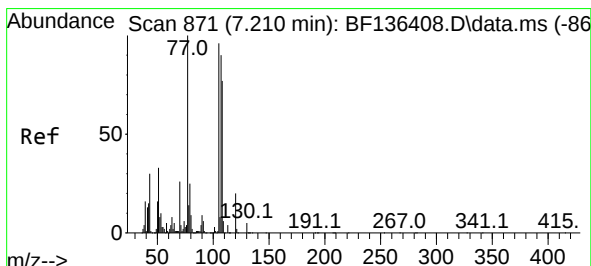
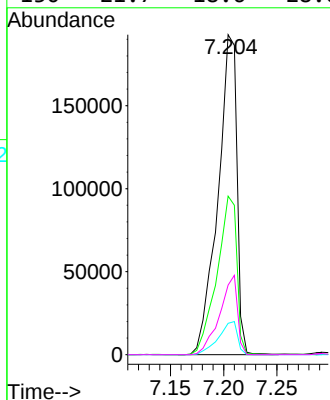
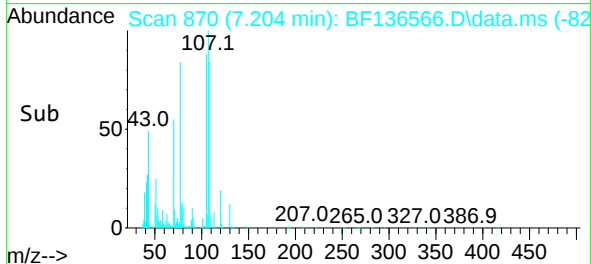
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



Tgt Ion: 70 Resp: 23969  
Ion Ratio Lower Upper  
70 100  
42 49.5 41.4 62.0  
101 9.8 8.2 12.4  
130 21.7 18.6 28.0

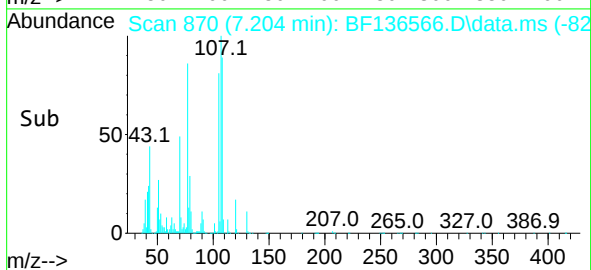
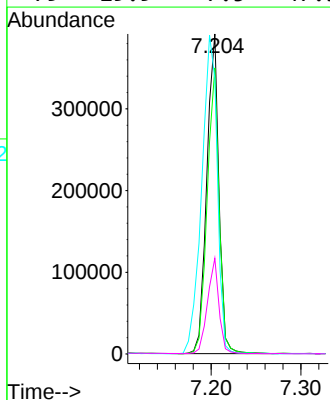
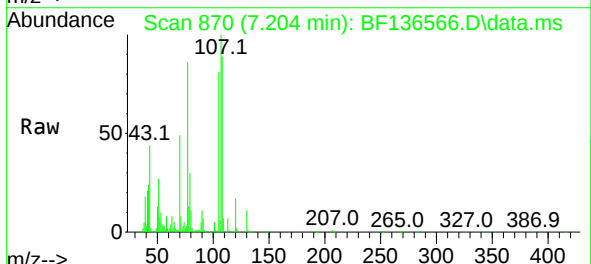
Manual Integrations  
APPROVED

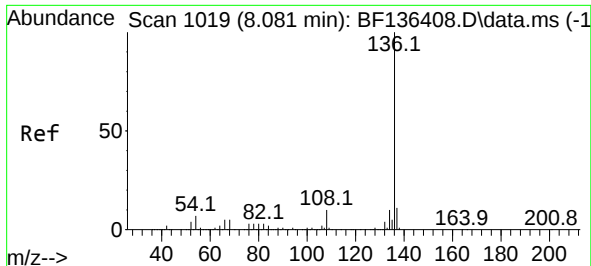
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#20  
3+4-Methylphenols  
Concen: 43.141 ng  
RT: 7.204 min Scan# 870  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Tgt Ion:107 Resp: 368490  
Ion Ratio Lower Upper  
107 100  
108 89.4 65.9 105.9  
77 86.0 91.7 131.7#  
79 29.9 7.5 47.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1019  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

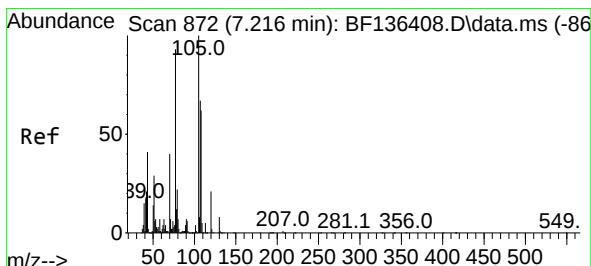
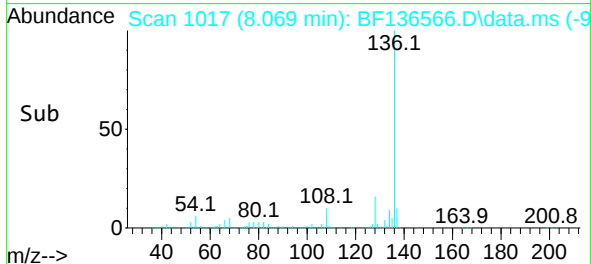
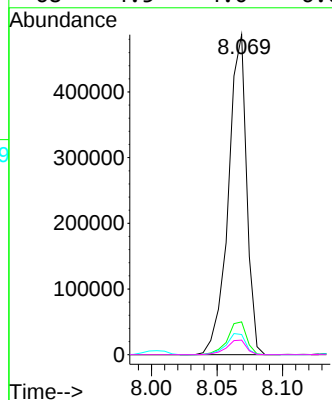
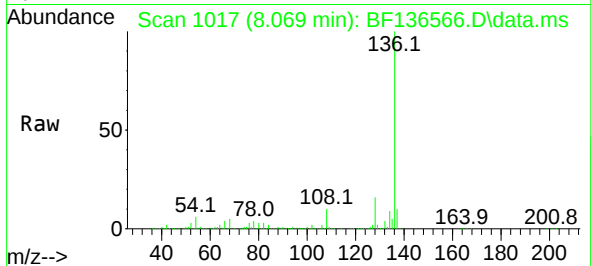
ClientSampleId :

PB157494BSD

Tgt Ion:136 Resp: 47243  
Ion Ratio Lower Upper  
136 100  
137 10.2 8.6 12.8  
54 6.3 5.7 8.5  
68 4.5 4.0 6.0

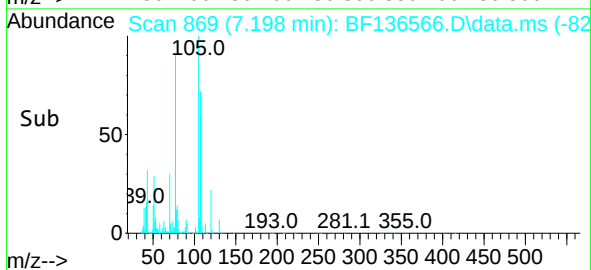
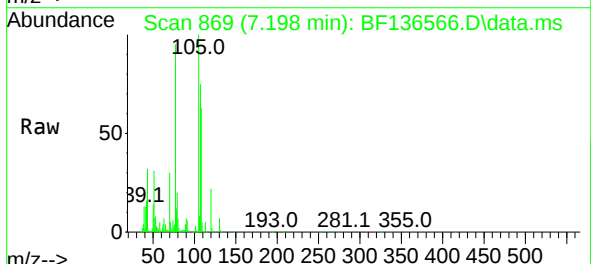
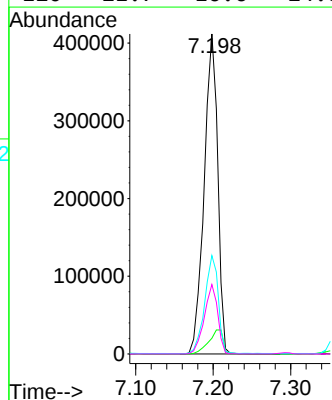
Manual Integrations  
APPROVED

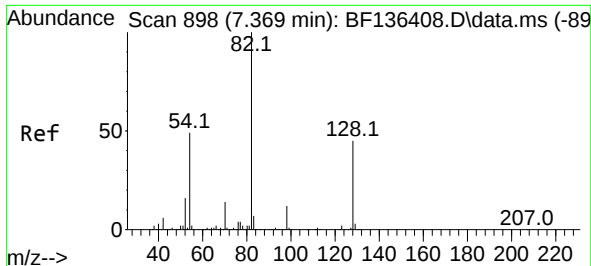
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#22  
Acetophenone  
Concen: 42.861 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Tgt Ion:105 Resp: 500025  
Ion Ratio Lower Upper  
105 100  
71 4.9 5.4 8.0#  
51 30.8 23.4 35.2  
120 21.7 16.6 24.8





#23

Nitrobenzene-d5

Concen: 82.562 ng

RT: 7.357 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

Tgt Ion: 82 Resp: 721504

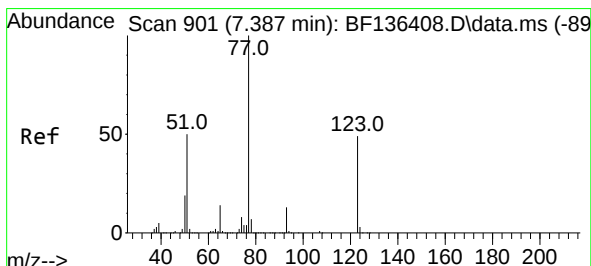
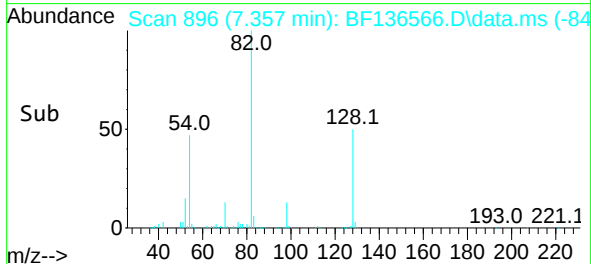
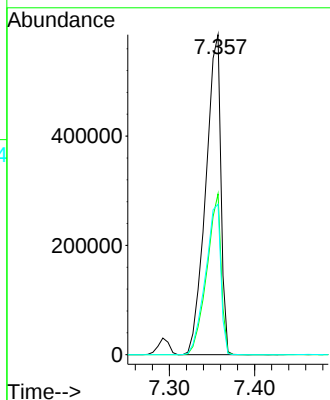
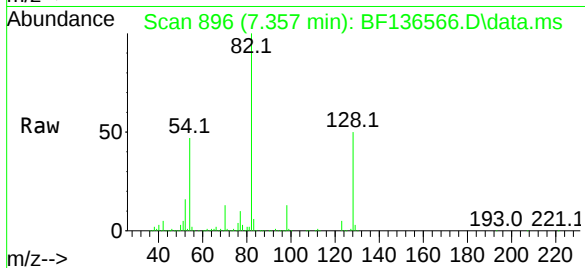
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 50.3  | 36.3  | 54.5  |
| 54  | 47.1  | 39.0  | 58.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#24

Nitrobenzene

Concen: 41.112 ng

RT: 7.375 min Scan# 899

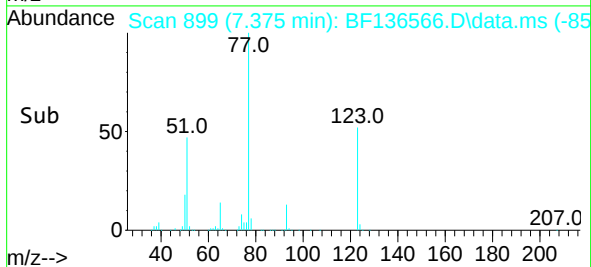
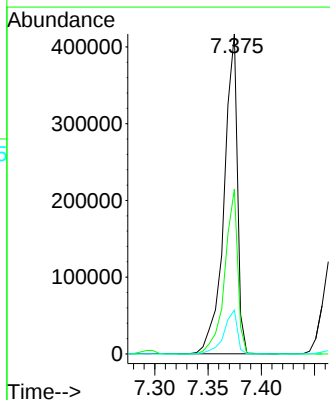
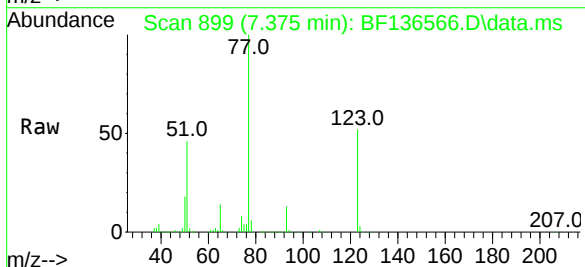
Delta R.T. -0.012 min

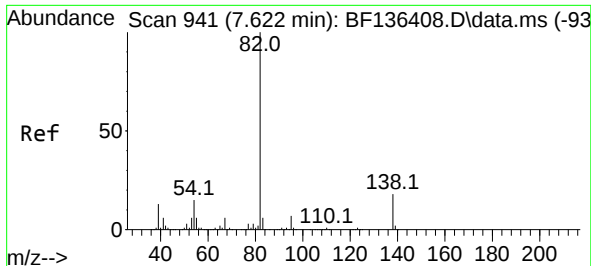
Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Tgt Ion: 77 Resp: 361418

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 51.5  | 39.0  | 58.6  |
| 65  | 13.7  | 11.3  | 16.9  |





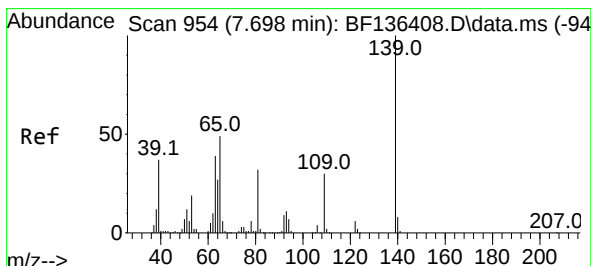
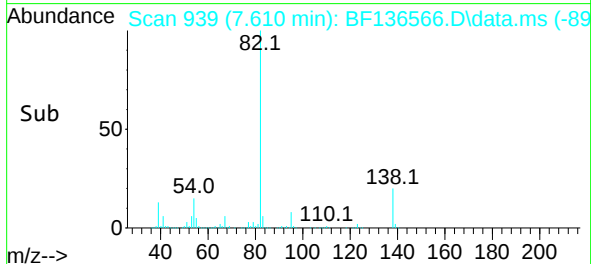
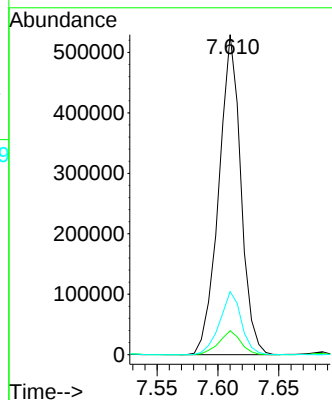
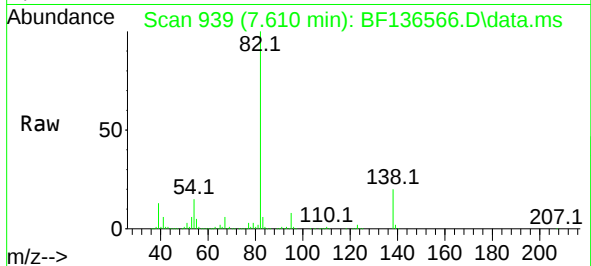
#25  
Isophorone  
Concen: 42.508 ng  
RT: 7.610 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD

Tgt Ion: 82 Resp: 667395  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.7 8.5  
138 19.7 14.5 21.7

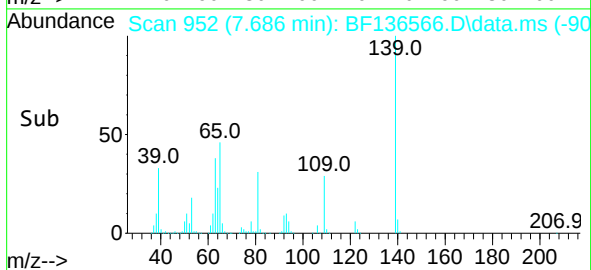
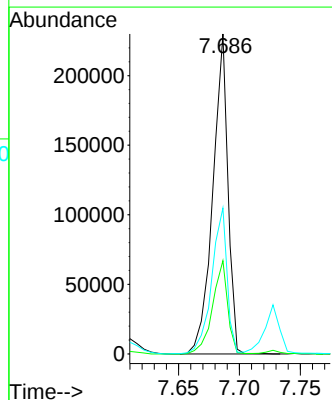
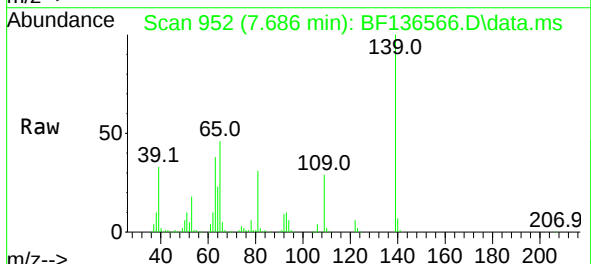
Manual Integrations  
APPROVED

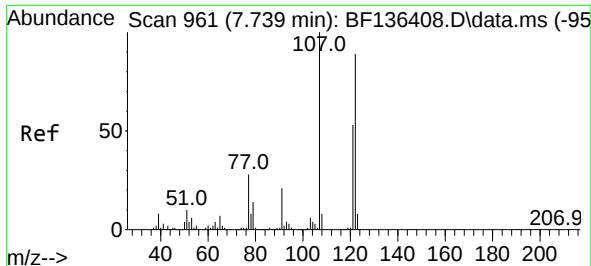
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#26  
2-Nitrophenol  
Concen: 45.832 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Tgt Ion:139 Resp: 198082  
Ion Ratio Lower Upper  
139 100  
109 29.2 23.6 35.4  
65 45.6 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 62.557 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF136566.D

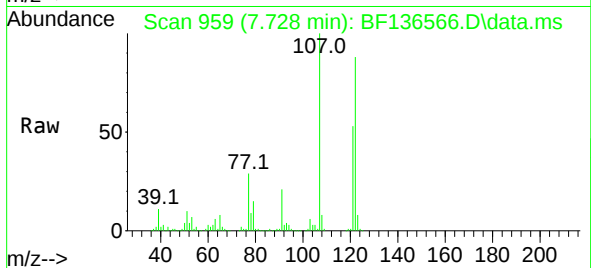
Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD



Tgt Ion:122 Resp: 33337

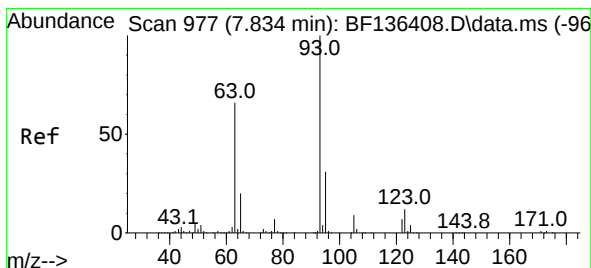
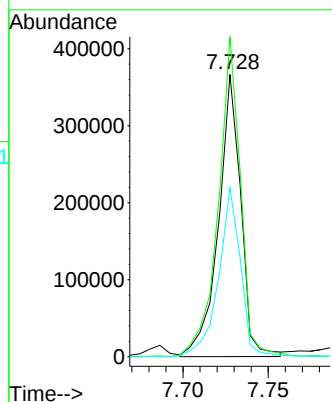
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 113.4 | 89.3  | 133.9 |
| 121 | 59.8  | 47.6  | 71.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#28

bis(2-Chloroethoxy)methane

Concen: 42.991 ng

RT: 7.822 min Scan# 975

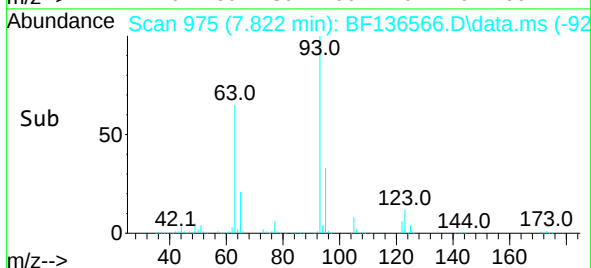
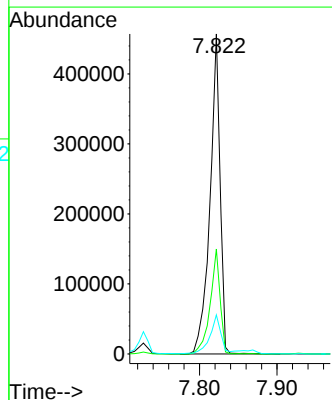
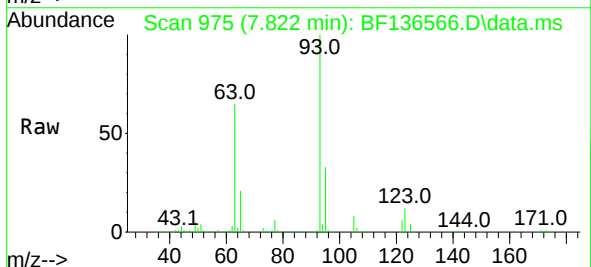
Delta R.T. -0.012 min

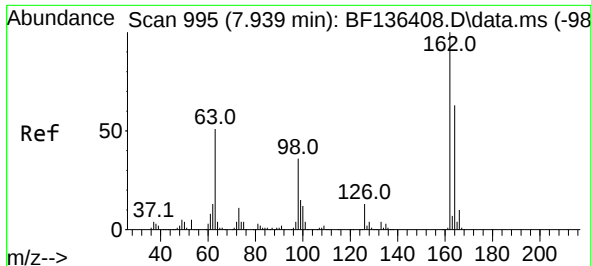
Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Tgt Ion: 93 Resp: 414759

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 32.8  | 25.0  | 37.4  |
| 123 | 12.2  | 9.4   | 14.0  |





#29

2,4-Dichlorophenol

Concen: 44.972 ng

RT: 7.928 min Scan# 995

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

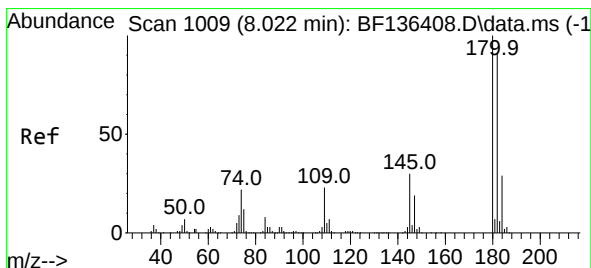
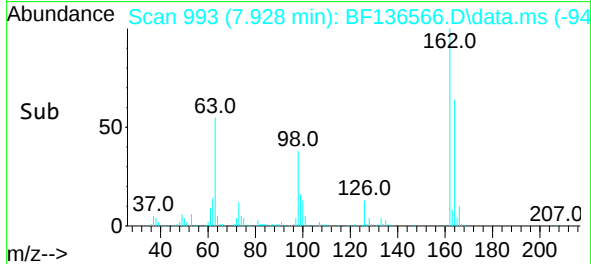
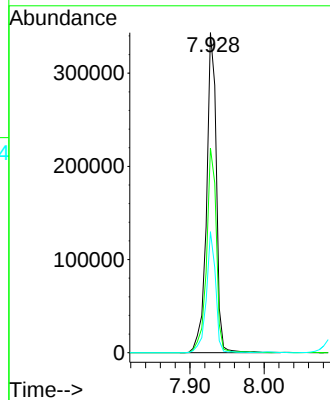
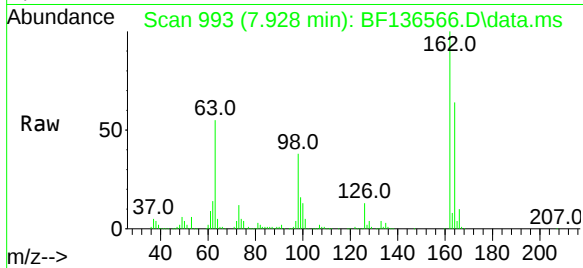
Tgt Ion:162 Resp: 316339  
 Ion Ratio Lower Upper  
 162 100  
 164 63.9 43.0 83.0  
 98 37.8 16.2 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#30

1,2,4-Trichlorobenzene

Concen: 42.079 ng

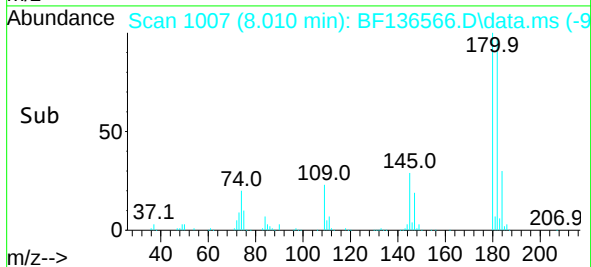
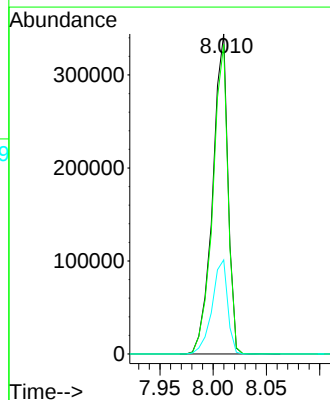
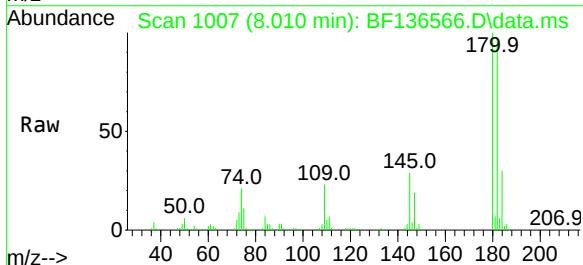
RT: 8.010 min Scan# 1007

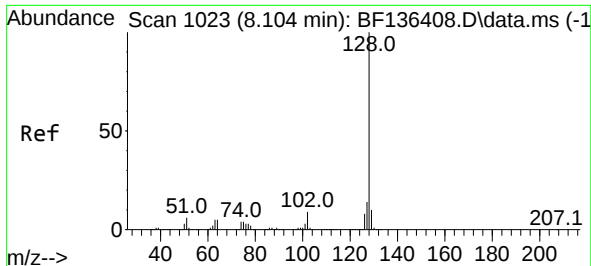
Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

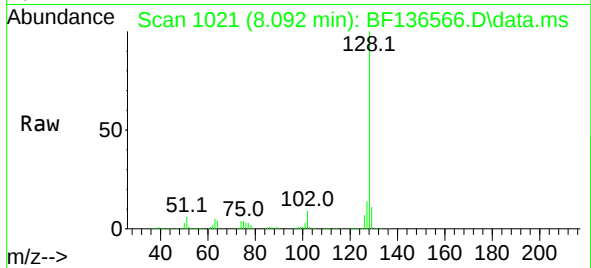
Tgt Ion:180 Resp: 345143  
 Ion Ratio Lower Upper  
 180 100  
 182 96.7 73.1 109.7  
 145 29.4 23.8 35.8





#31  
Naphthalene  
Concen: 41.716 ng  
RT: 8.092 min Scan# 1023  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

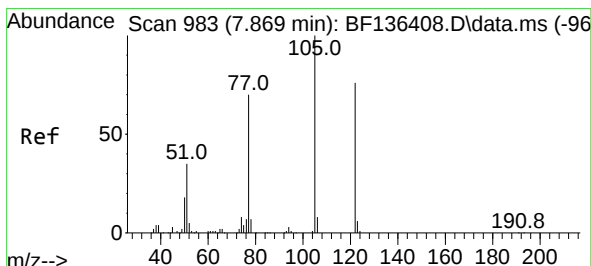
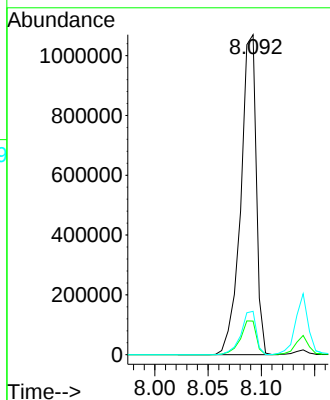
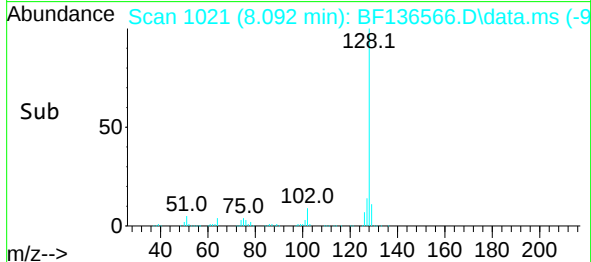
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



Tgt Ion:128 Resp: 108680  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.3 12.5  
127 13.5 11.1 16.7

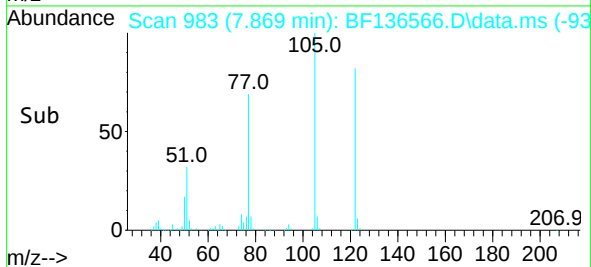
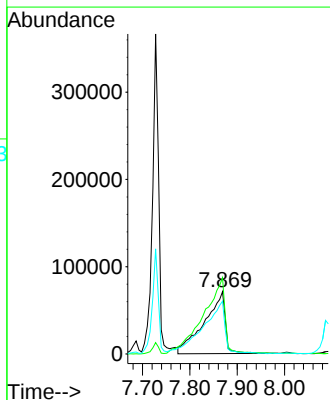
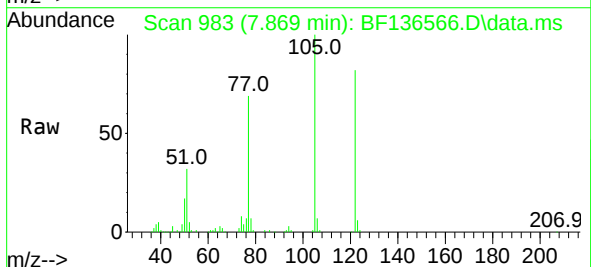
Manual Integrations  
APPROVED

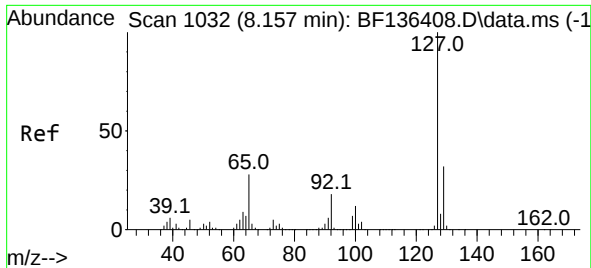
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#32  
Benzoic acid  
Concen: 41.127 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.000 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Tgt Ion:122 Resp: 217423  
Ion Ratio Lower Upper  
122 100  
105 122.5 104.7 144.7  
77 84.7 68.5 108.5





#33  
4-Chloroaniline  
Concen: 18.918 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.018 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

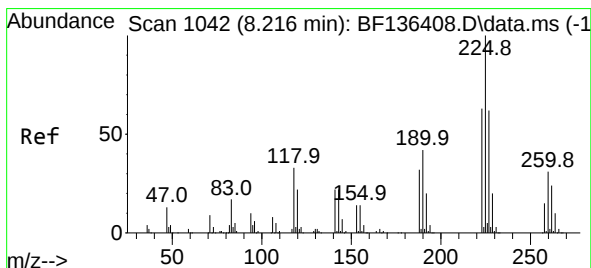
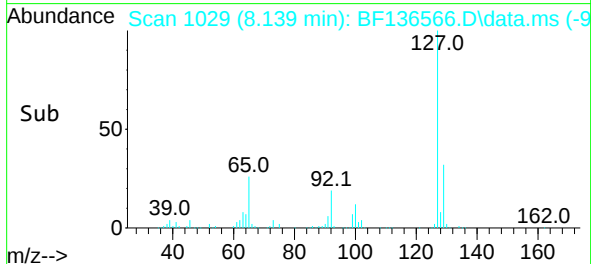
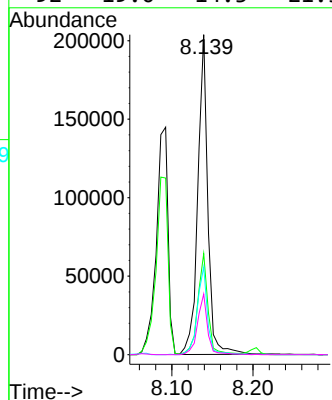
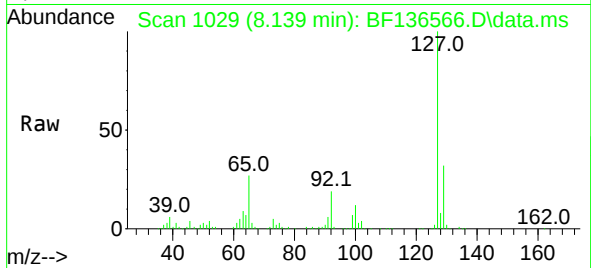
ClientSampleId :

PB157494BSD

Tgt Ion:127 Resp: 175709  
Ion Ratio Lower Upper  
127 100  
129 31.6 25.4 38.2  
65 27.4 22.5 33.7  
92 19.0 14.3 21.5

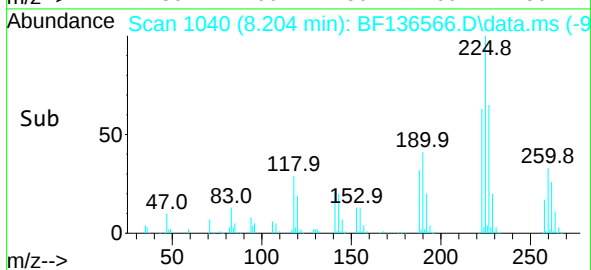
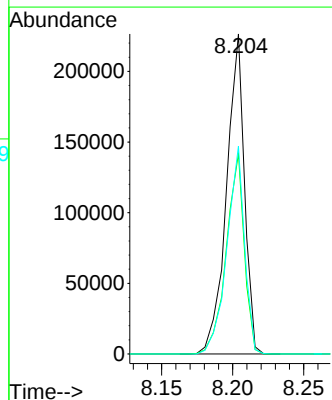
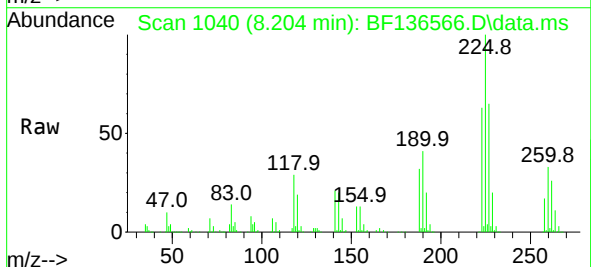
Manual Integrations  
APPROVED

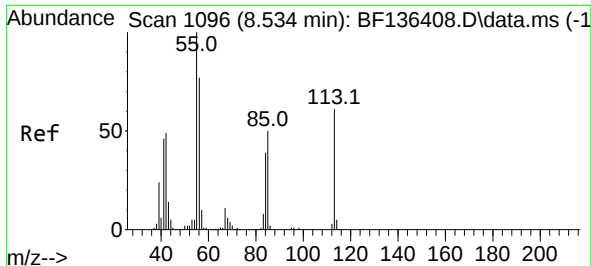
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#34  
Hexachlorobutadiene  
Concen: 40.938 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

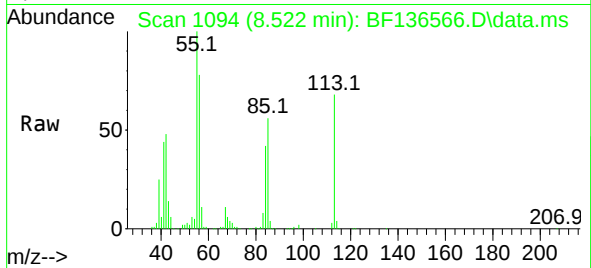
Tgt Ion:225 Resp: 199000  
Ion Ratio Lower Upper  
225 100  
223 62.6 50.8 76.2  
227 64.9 49.8 74.8





#35  
 Caprolactam  
 Concen: 46.428 ng m  
 RT: 8.522 min Scan# 1094  
 Delta R.T. -0.012 min  
 Lab File: BF136566.D  
 Acq: 14 Dec 2023 13:59

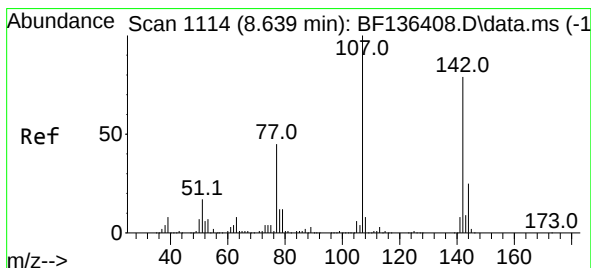
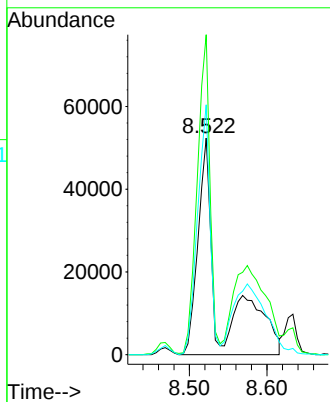
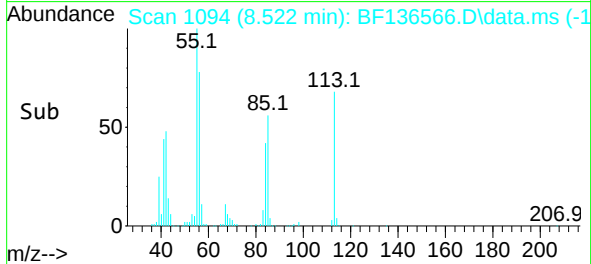
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157494BSD



Tgt Ion:113 Resp: 100572  
 Ion Ratio Lower Upper  
 113 100  
 55 147.8 143.7 183.7  
 56 115.4 105.2 145.2

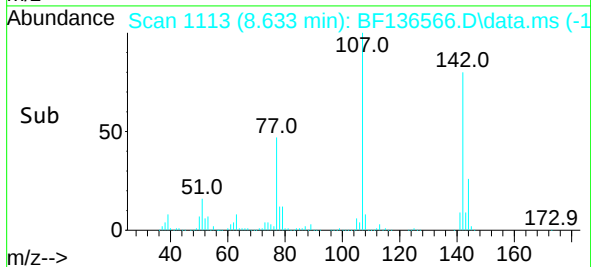
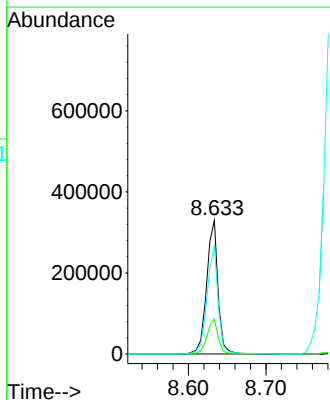
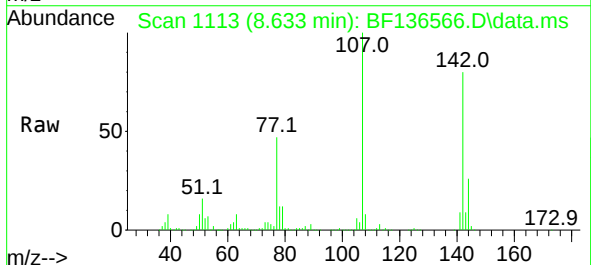
Manual Integrations  
 APPROVED

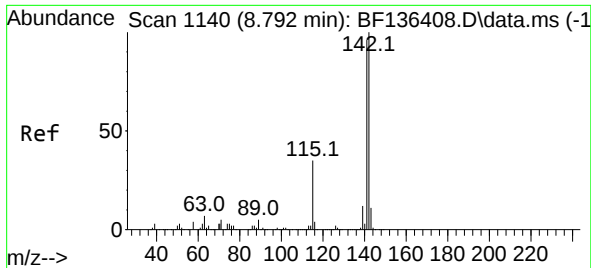
Reviewed By :Yogesh Patel 12/15/2023  
 Supervised By :mohammad ahmed 12/15/2023



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.858 ng  
 RT: 8.633 min Scan# 1113  
 Delta R.T. -0.006 min  
 Lab File: BF136566.D  
 Acq: 14 Dec 2023 13:59

Tgt Ion:107 Resp: 335037  
 Ion Ratio Lower Upper  
 107 100  
 144 26.0 20.1 30.1  
 142 80.4 63.1 94.7





#37

2-Methylnaphthalene

Concen: 43.028 ng

RT: 8.780 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

Tgt Ion:142 Resp: 71316

Ion Ratio Lower Upper

142 100

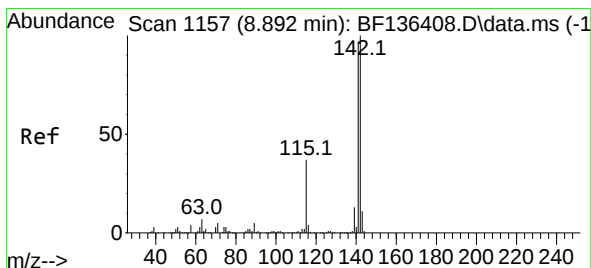
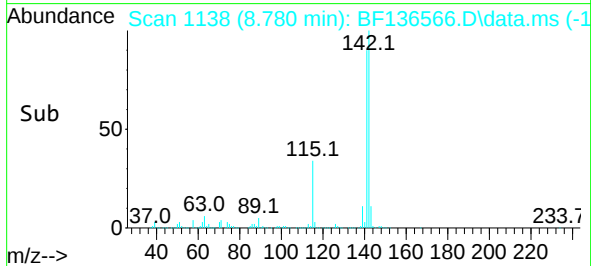
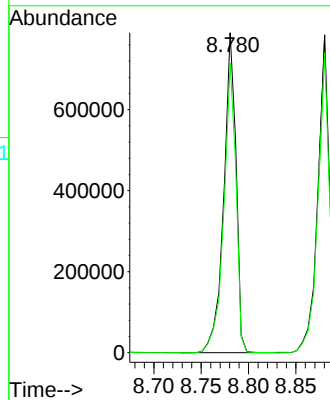
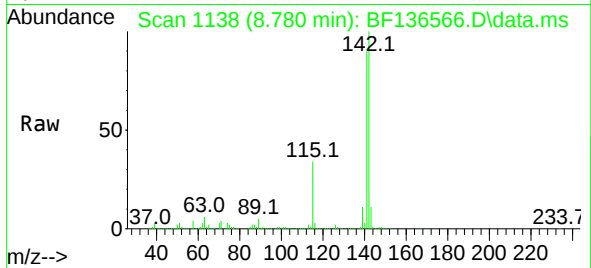
141 90.5 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#38

1-Methylnaphthalene

Concen: 40.698 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF136566.D

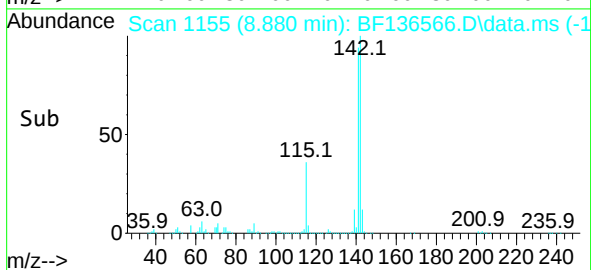
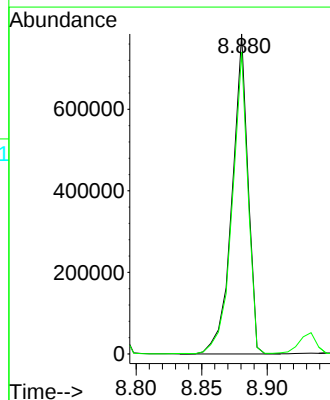
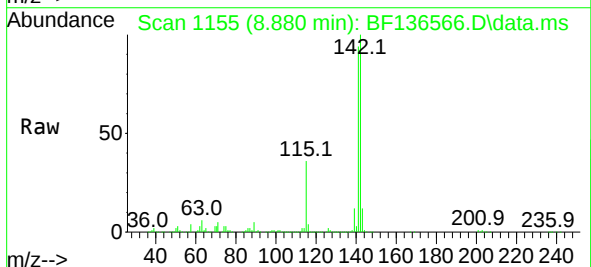
Acq: 14 Dec 2023 13:59

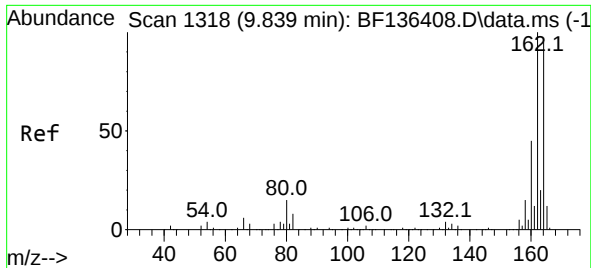
Tgt Ion:142 Resp: 661910

Ion Ratio Lower Upper

142 100

141 94.3 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF136566.D

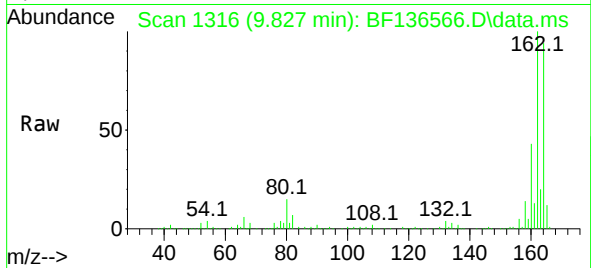
Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD



Tgt Ion:164 Resp: 250010

Ion Ratio Lower Upper

164 100

162 106.5 84.4 126.6

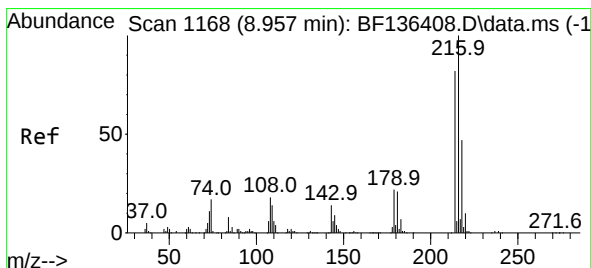
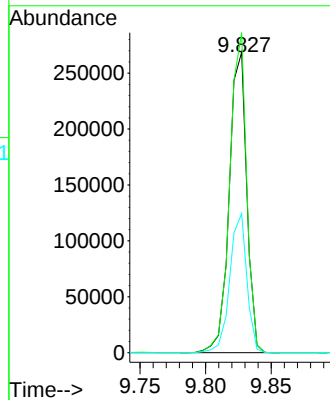
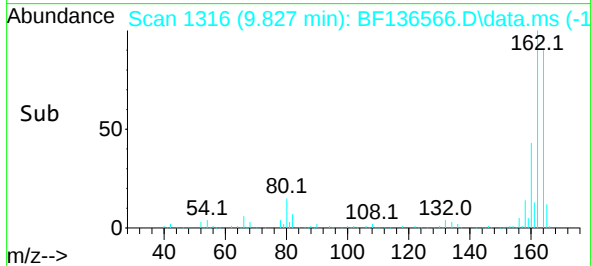
160 46.3 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.347 ng

RT: 8.951 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Tgt Ion:216 Resp: 337160

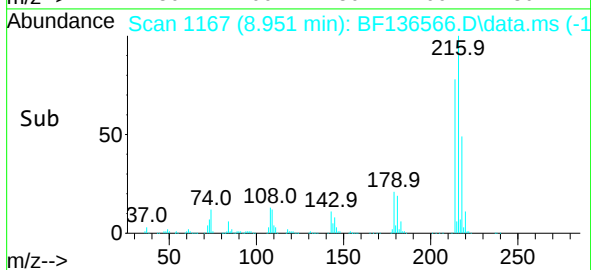
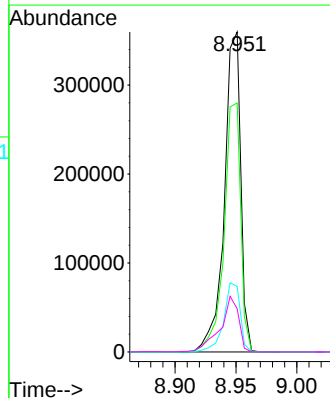
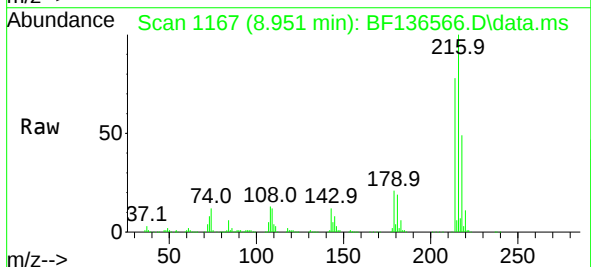
Ion Ratio Lower Upper

216 100

214 79.0 64.1 96.1

179 21.7 17.0 25.6

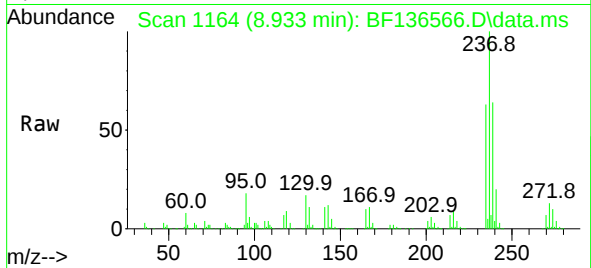
108 19.6 14.1 21.1





#41  
Hexachlorocyclopentadiene  
Concen: 144.357 ng  
RT: 8.933 min Scan# 1164  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

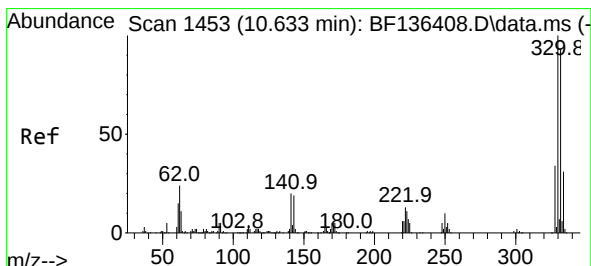
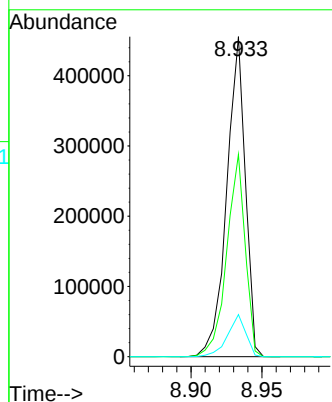
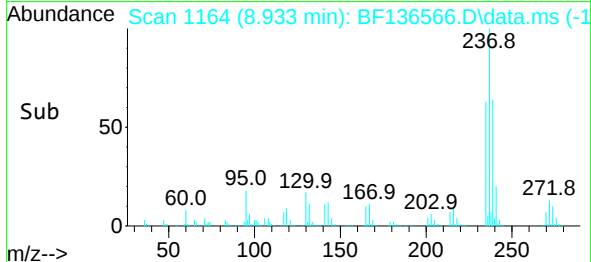
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



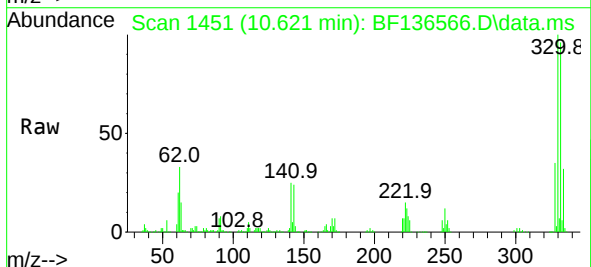
Tgt Ion:237 Resp: 41598  
Ion Ratio Lower Upper  
237 100  
235 63.2 44.1 84.1  
272 13.1 0.0 33.3

Manual Integrations  
APPROVED

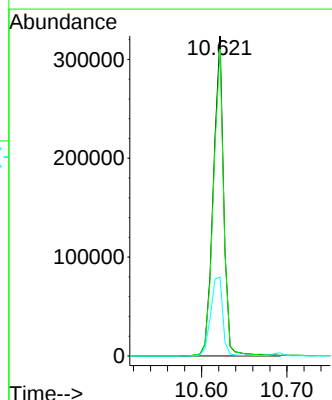
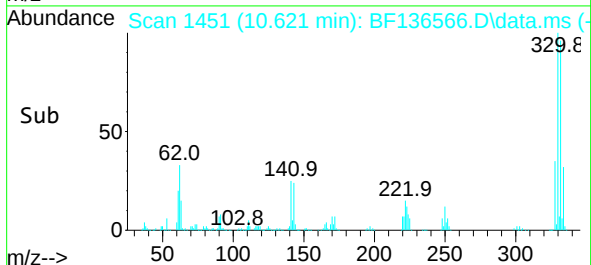
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

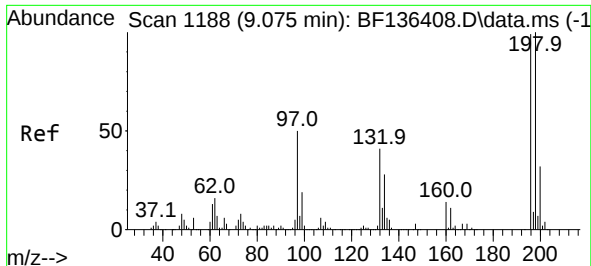


#42  
2,4,6-Tribromophenol  
Concen: 88.601 ng  
RT: 10.621 min Scan# 1451  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



Tgt Ion:330 Resp: 273125  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.4 114.6  
141 29.1 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 44.854 ng

RT: 9.063 min Scan# 1186

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

Tgt Ion:196 Resp: 227164

Ion Ratio Lower Upper

196 100

198 102.1 80.4 120.6

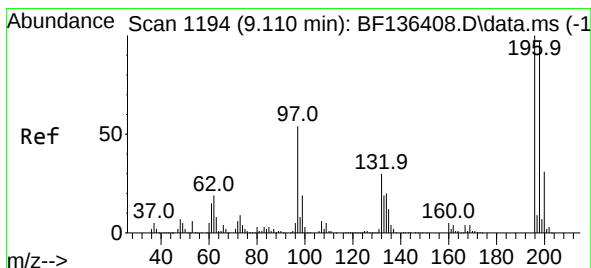
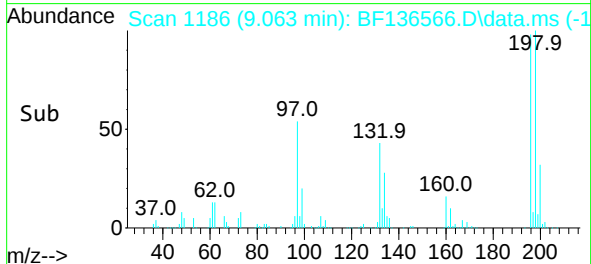
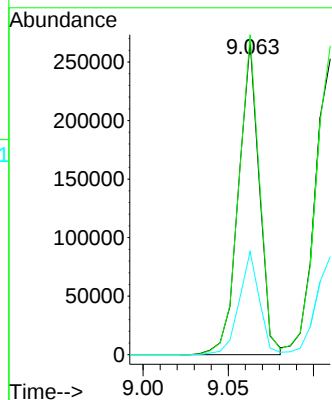
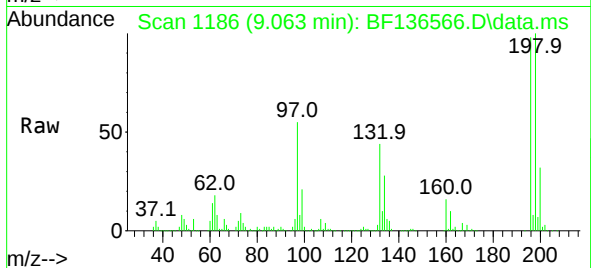
200 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#44

2,4,5-Trichlorophenol

Concen: 43.350 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Tgt Ion:196 Resp: 245041

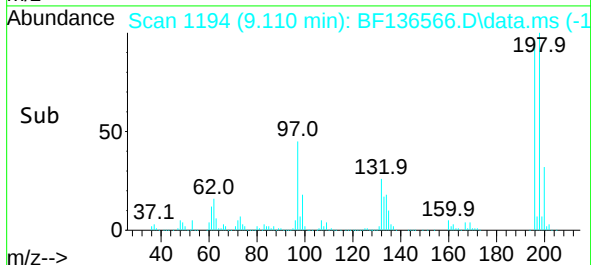
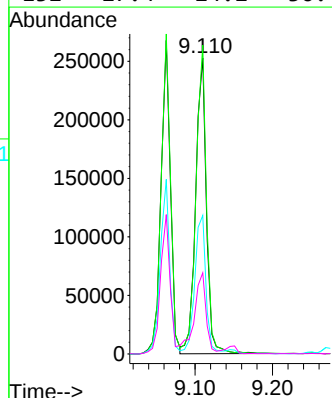
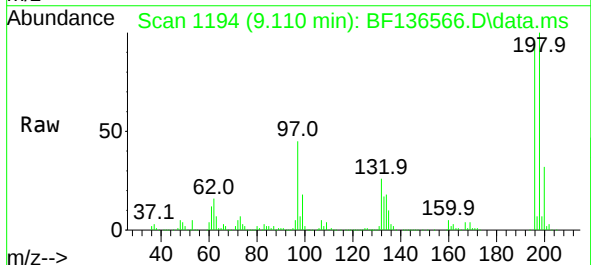
Ion Ratio Lower Upper

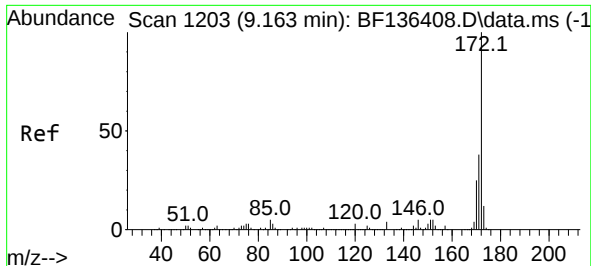
196 100

198 104.3 78.1 117.1

97 46.8 43.4 65.2

132 27.4 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 83.186 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

Tgt Ion:172 Resp: 1524178

Ion Ratio Lower Upper

172 100

171 36.5 30.5 45.7

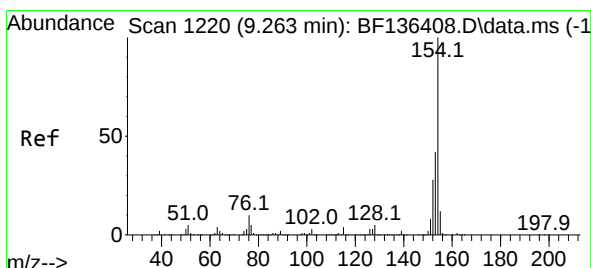
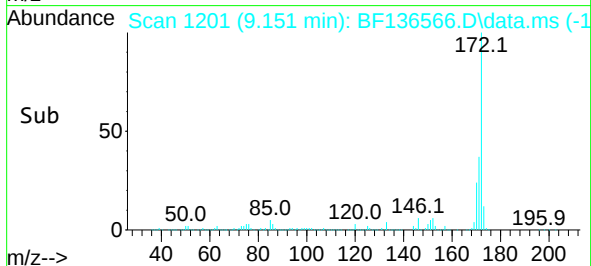
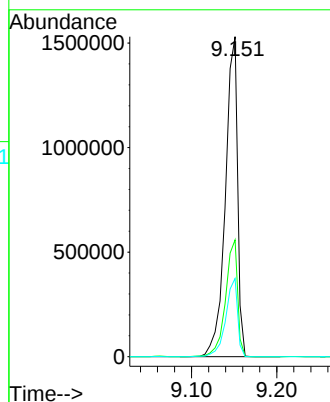
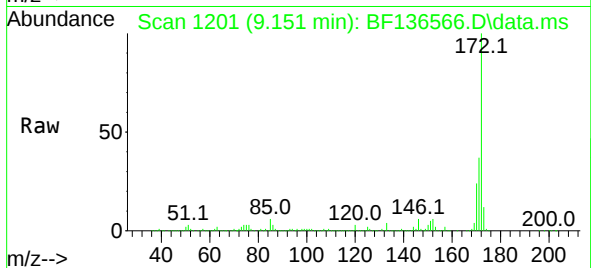
170 24.4 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#46

1,1'-Biphenyl

Concen: 42.841 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

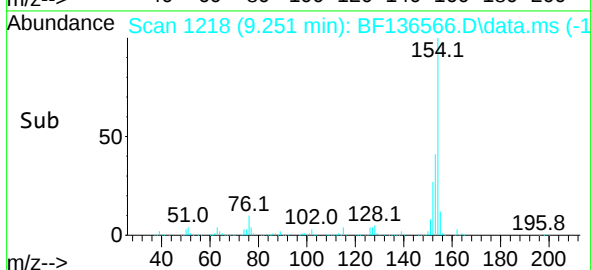
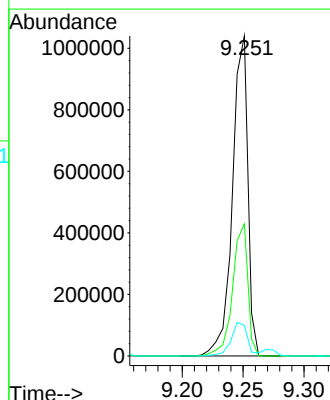
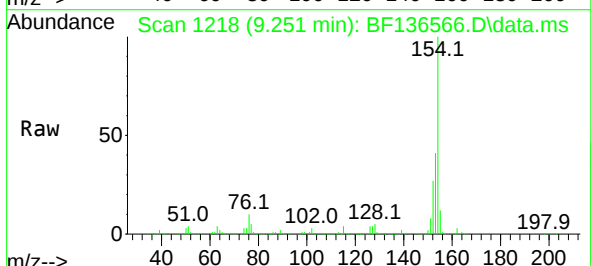
Tgt Ion:154 Resp: 911359

Ion Ratio Lower Upper

154 100

153 41.3 22.5 62.5

76 9.6 0.0 29.9





#47

2-Chloronaphthalene

Concen: 42.457 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

Tgt Ion:162 Resp: 70298

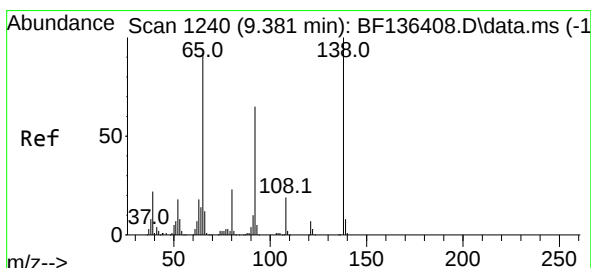
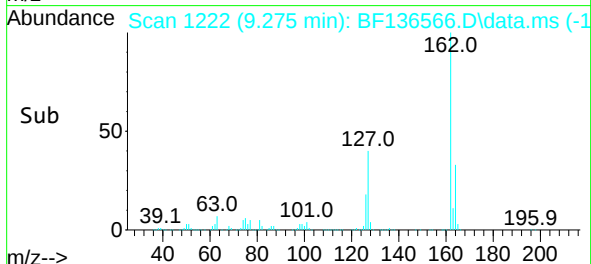
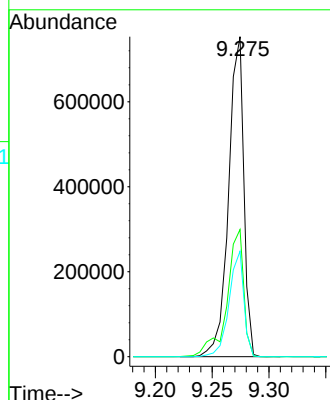
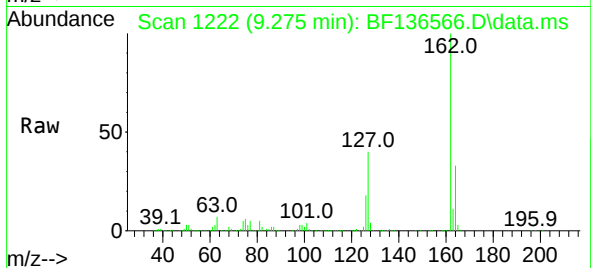
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 39.7  | 31.1  | 46.7  |
| 164 | 32.9  | 24.6  | 37.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#48

2-Nitroaniline

Concen: 43.284 ng

RT: 9.375 min Scan# 1239

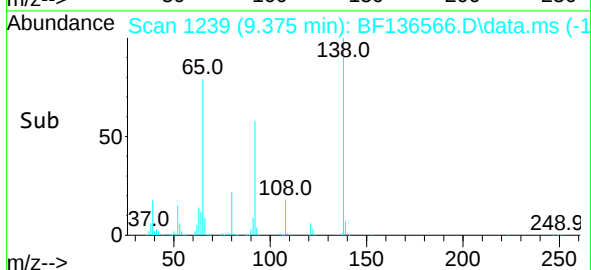
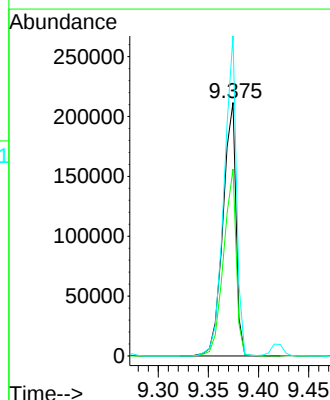
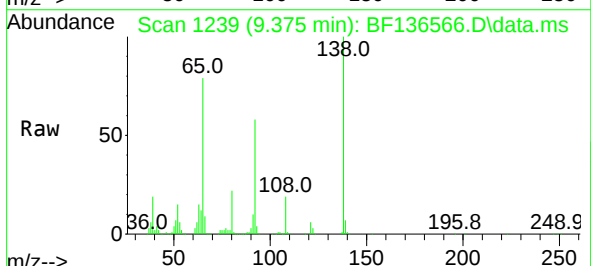
Delta R.T. -0.006 min

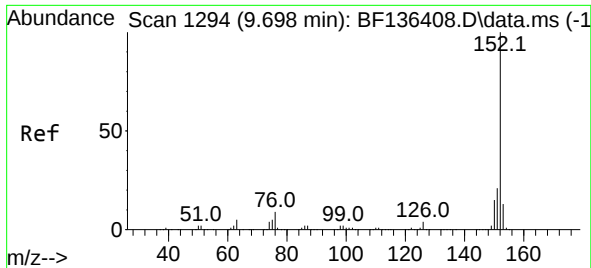
Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Tgt Ion: 65 Resp: 192214

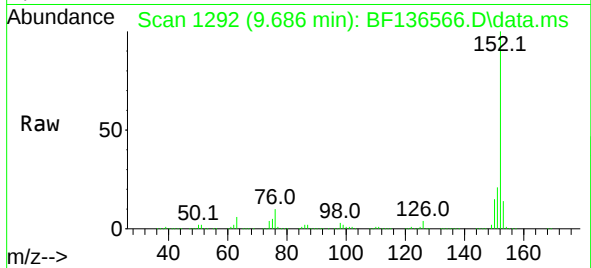
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 73.7  | 56.1  | 84.1  |
| 138 | 126.3 | 86.7  | 130.1 |





#49  
Acenaphthylene  
Concen: 44.100 ng  
RT: 9.686 min Scan# 1292  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

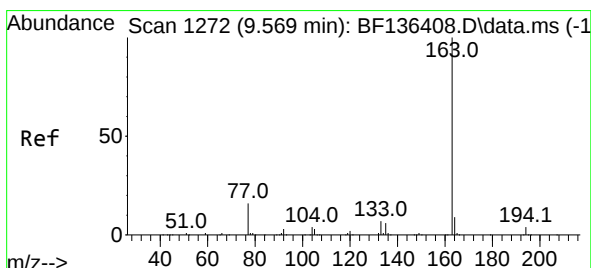
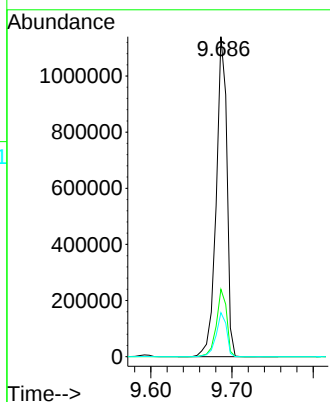
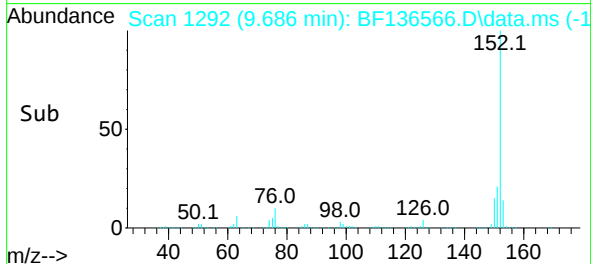
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



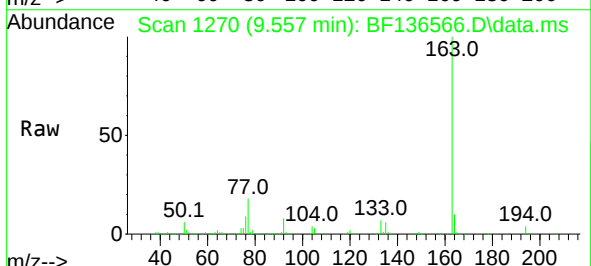
Tgt Ion:152 Resp: 104017  
Ion Ratio Lower Upper  
152 100  
151 21.1 17.2 25.8  
153 13.8 10.6 15.8

Manual Integrations  
APPROVED

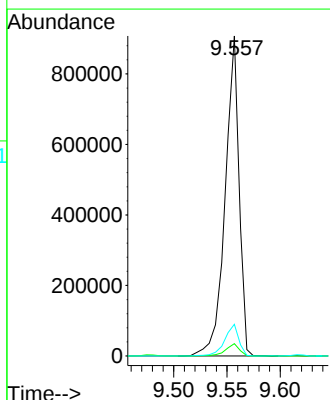
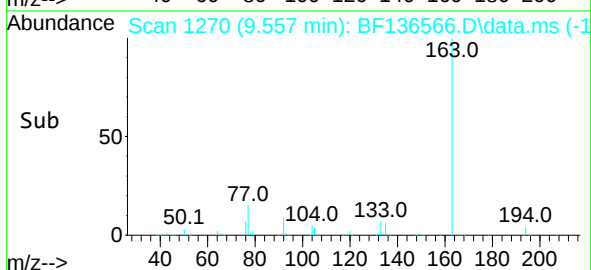
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

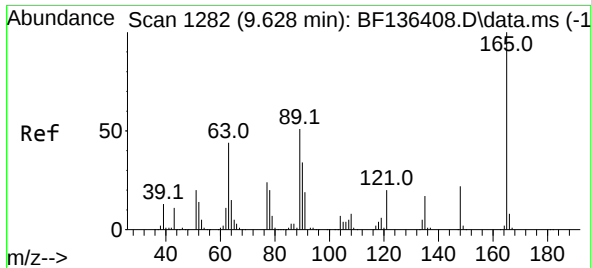


#50  
Dimethylphthalate  
Concen: 44.806 ng  
RT: 9.557 min Scan# 1270  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



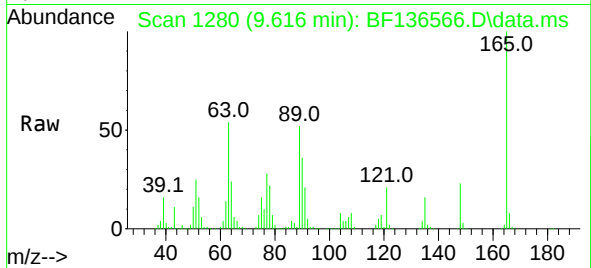
Tgt Ion:163 Resp: 824725  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.0 4.6  
164 9.9 7.4 11.2





#51  
2,6-Dinitrotoluene  
Concen: 44.024 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

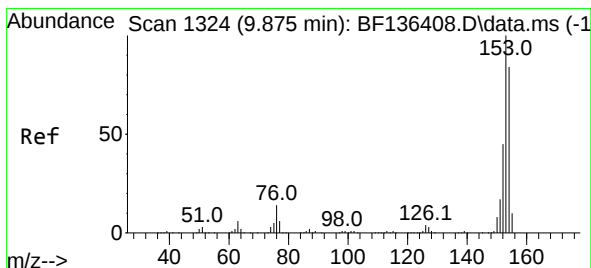
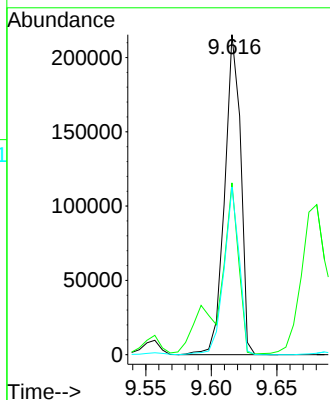
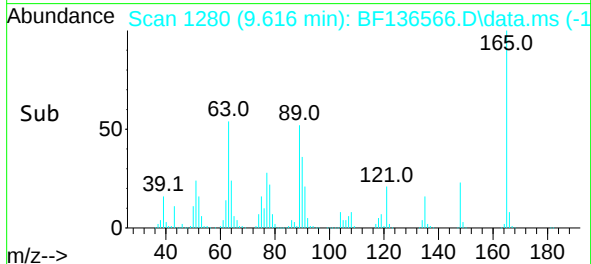
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



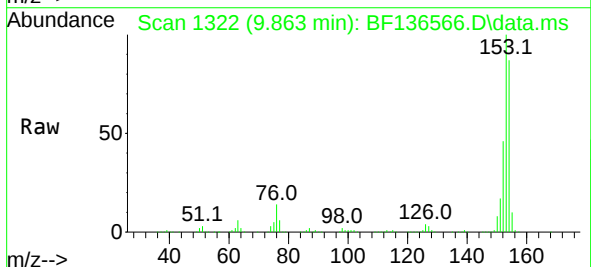
Tgt Ion:165 Resp: 182302  
Ion Ratio Lower Upper  
165 100  
63 53.7 40.4 60.6  
89 52.4 40.6 60.8

Manual Integrations  
APPROVED

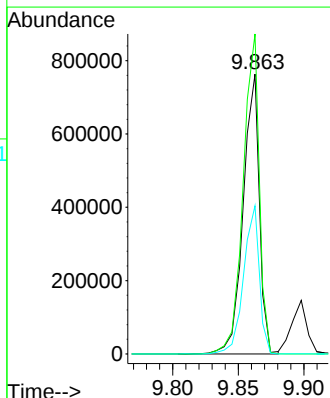
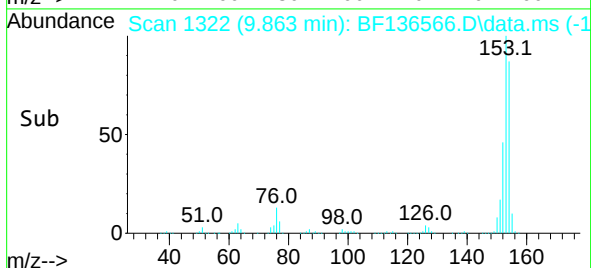
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

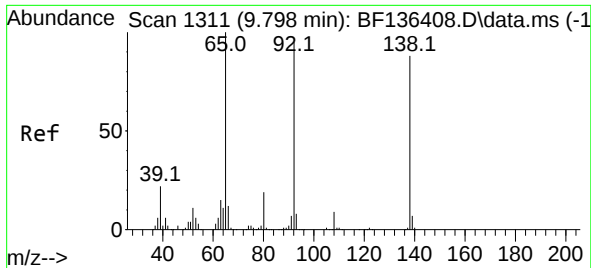


#52  
Acenaphthene  
Concen: 43.536 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



Tgt Ion:154 Resp: 658021  
Ion Ratio Lower Upper  
154 100  
153 114.3 95.3 142.9  
152 53.0 43.2 64.8





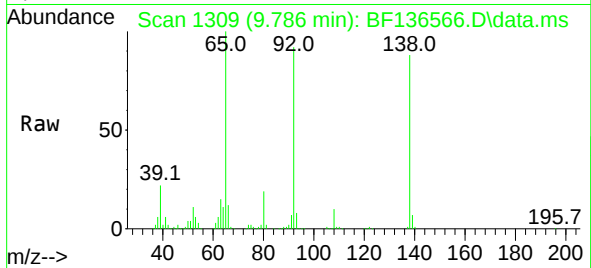
#53  
3-Nitroaniline  
Concen: 29.527 ng  
RT: 9.786 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

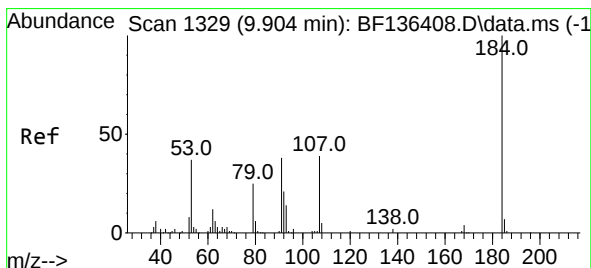
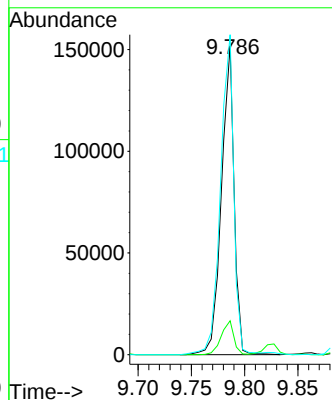
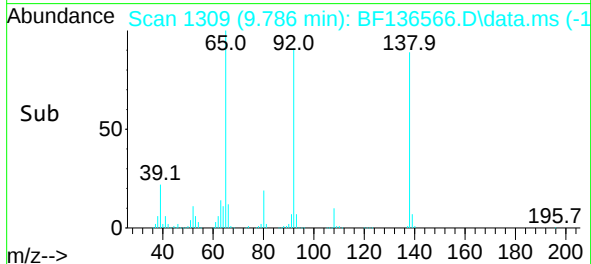


Tgt Ion:138 Resp: 12485  
Ion Ratio Lower Upper  
138 100  
108 11.0 8.5 12.7  
92 103.6 86.1 129.1

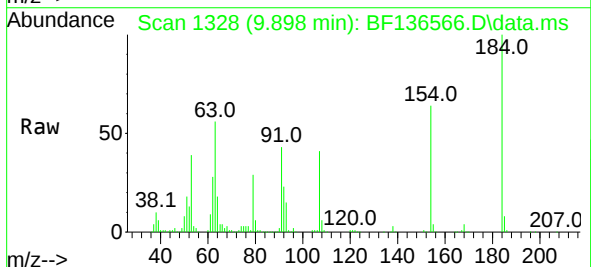
Manual Integrations

APPROVED

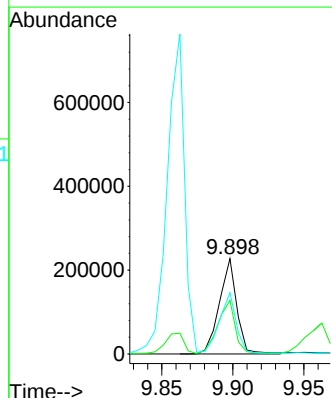
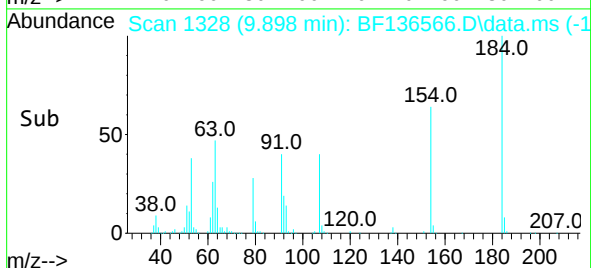
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

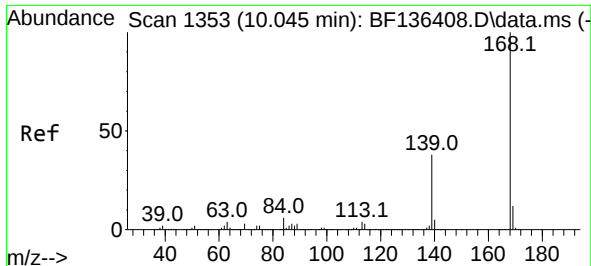


#54  
2,4-Dinitrophenol  
Concen: 92.869 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



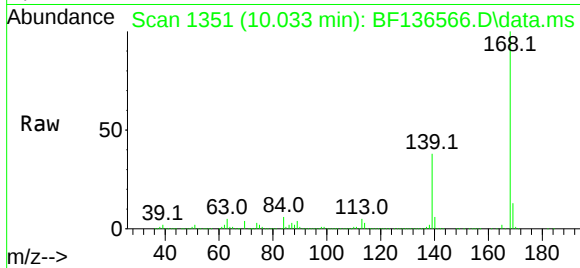
Tgt Ion:184 Resp: 194438  
Ion Ratio Lower Upper  
184 100  
63 56.2 39.1 58.7  
154 64.4 49.9 74.9





#55  
Dibenzenofuran  
Concen: 43.544 ng  
RT: 10.033 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

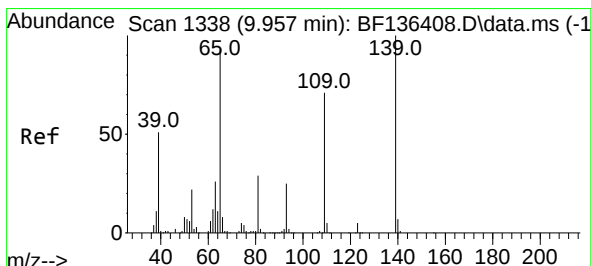
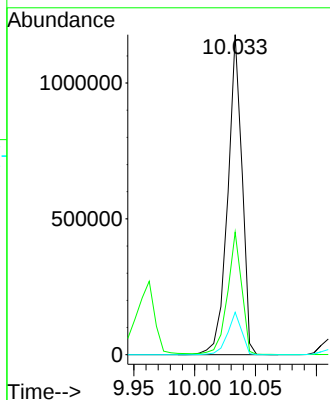
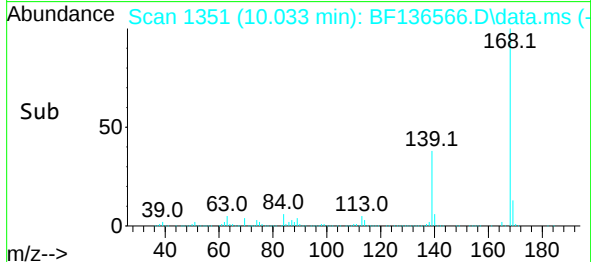
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



Tgt Ion:168 Resp: 961460  
Ion Ratio Lower Upper  
168 100  
139 38.3 30.4 45.6  
169 13.2 9.9 14.9

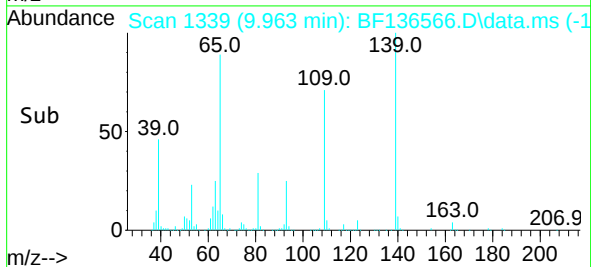
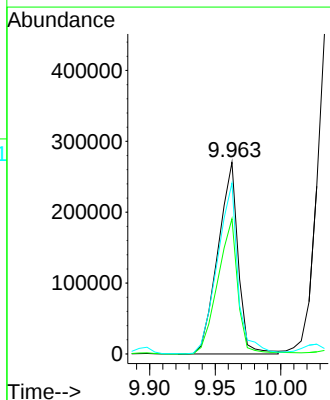
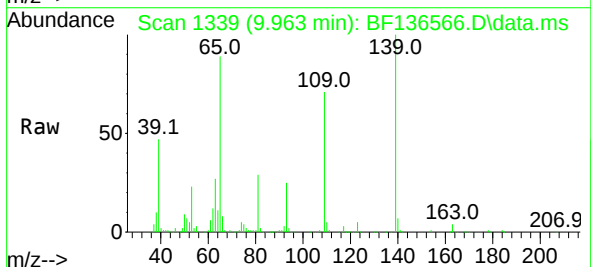
Manual Integrations  
APPROVED

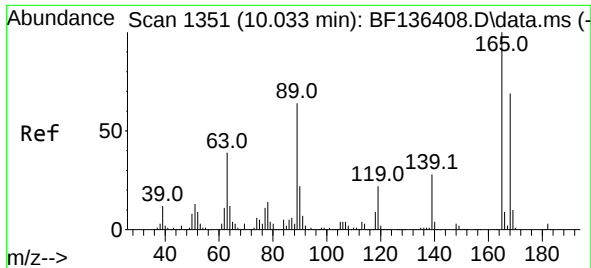
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#56  
4-Nitrophenol  
Concen: 91.388 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Tgt Ion:139 Resp: 289699  
Ion Ratio Lower Upper  
139 100  
109 70.5 50.6 90.6  
65 89.1 73.1 113.1





#57  
2,4-Dinitrotoluene  
Concen: 44.108 ng  
RT: 10.027 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

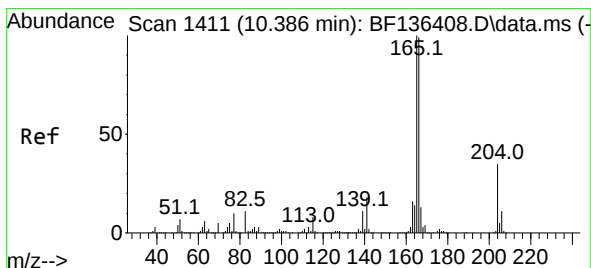
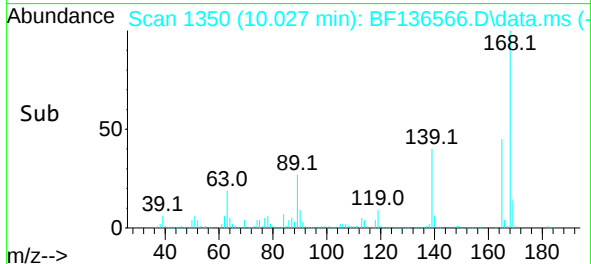
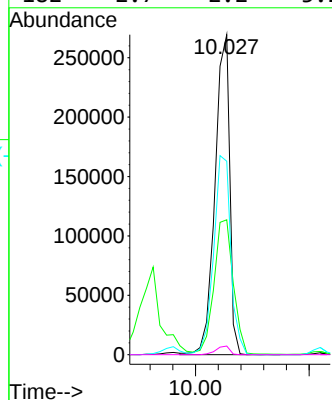
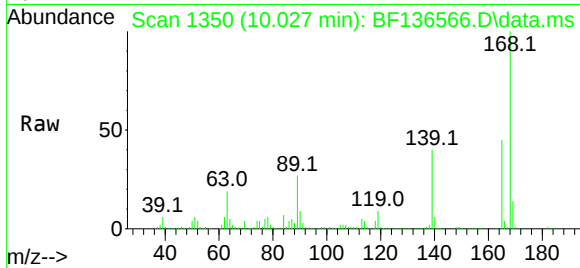
ClientSampleId :

PB157494BSD

Tgt Ion:165 Resp: 24162  
Ion Ratio Lower Upper  
165 100  
63 42.2 31.4 47.2  
89 60.4 51.7 77.5  
182 2.7 2.2 3.2

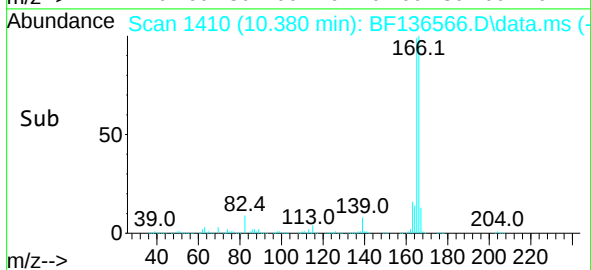
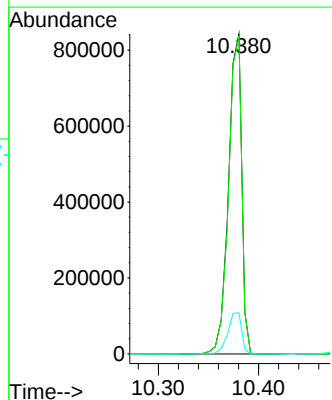
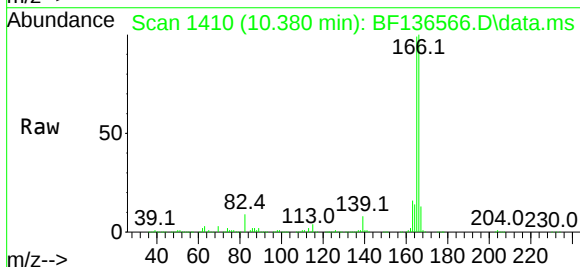
Manual Integrations  
APPROVED

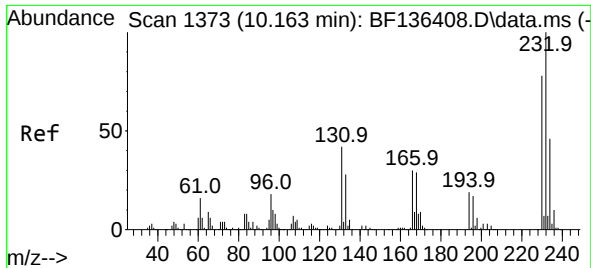
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#58  
Fluorene  
Concen: 43.342 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

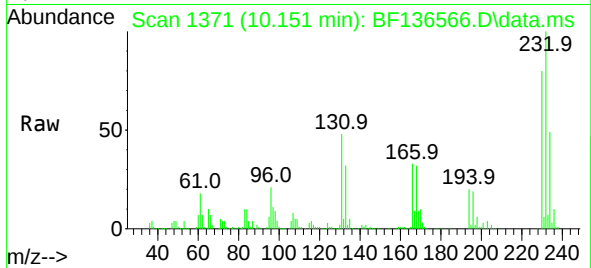
Tgt Ion:166 Resp: 768214  
Ion Ratio Lower Upper  
166 100  
165 99.2 80.5 120.7  
167 12.8 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.723 ng  
RT: 10.151 min Scan# 1371  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

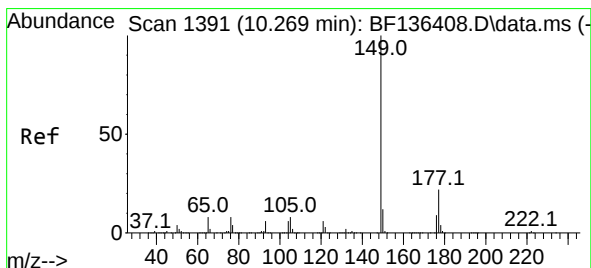
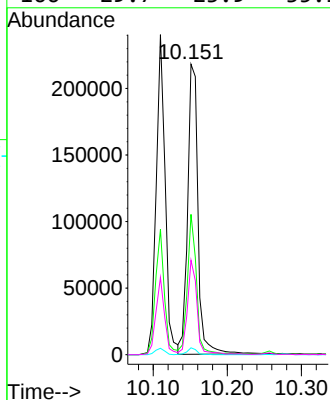
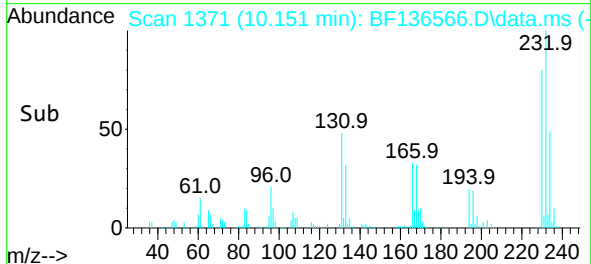
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



Tgt Ion:232 Resp: 21155  
Ion Ratio Lower Upper  
232 100  
131 42.2 34.3 51.5  
130 2.2 1.6 2.4  
166 29.7 23.9 35.9

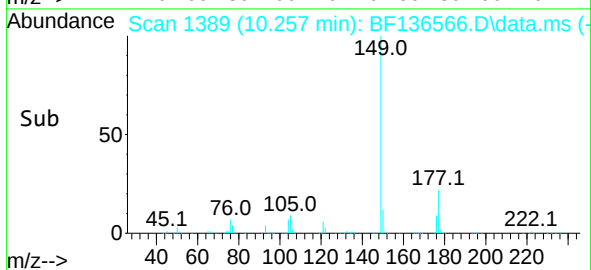
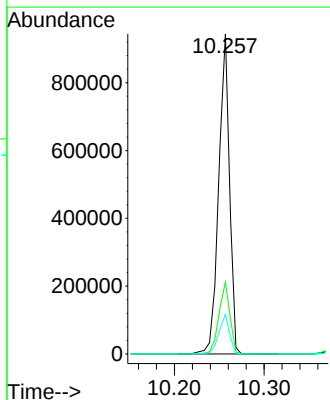
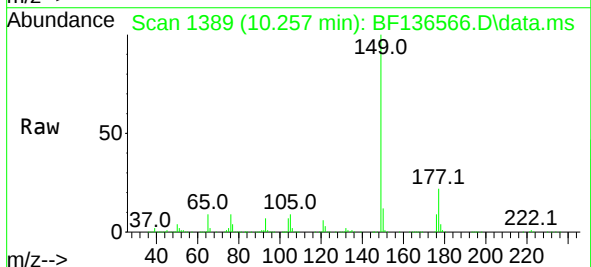
Manual Integrations  
APPROVED

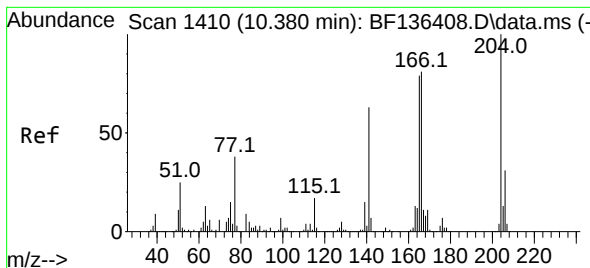
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#60  
Diethylphthalate  
Concen: 43.546 ng  
RT: 10.257 min Scan# 1389  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

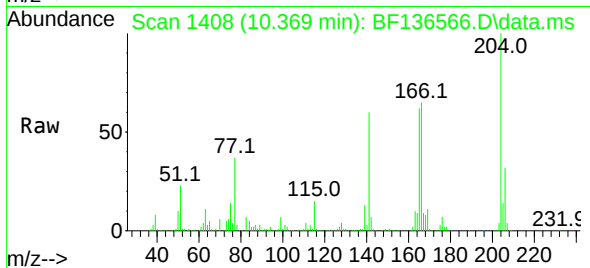
Tgt Ion:149 Resp: 788168  
Ion Ratio Lower Upper  
149 100  
177 22.5 17.8 26.8  
150 12.4 9.4 14.0





#61  
4-Chlorophenyl-phenylether  
Concen: 43.783 ng  
RT: 10.369 min Scan# 1410  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

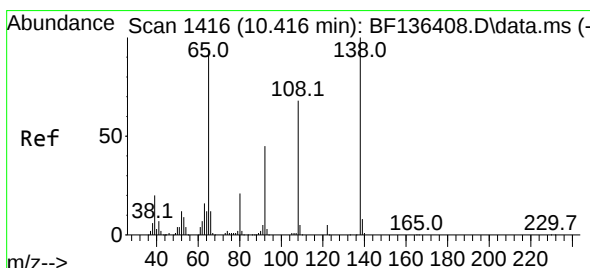
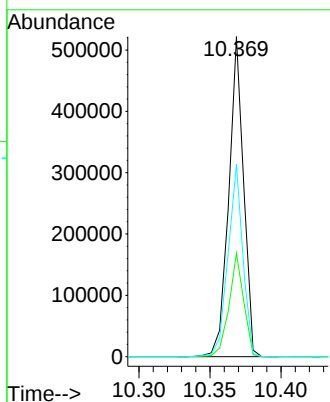
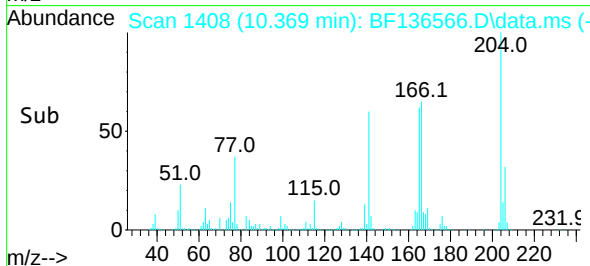
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



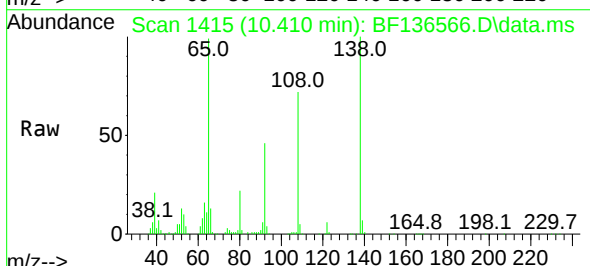
Tgt Ion:204 Resp: 378307  
Ion Ratio Lower Upper  
204 100  
206 32.3 24.6 36.8  
141 60.1 50.3 75.5

Manual Integrations  
APPROVED

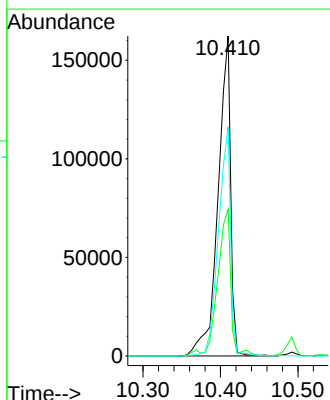
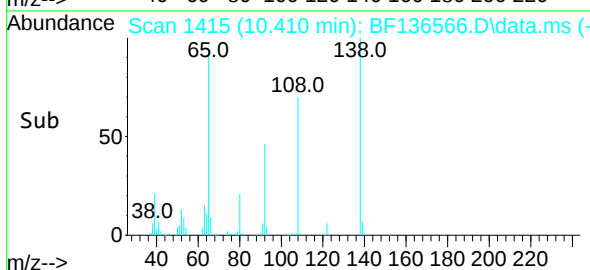
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

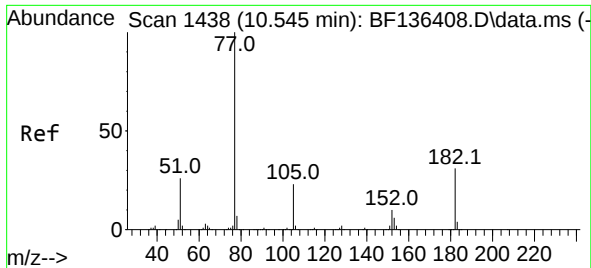


#62  
4-Nitroaniline  
Concen: 43.597 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



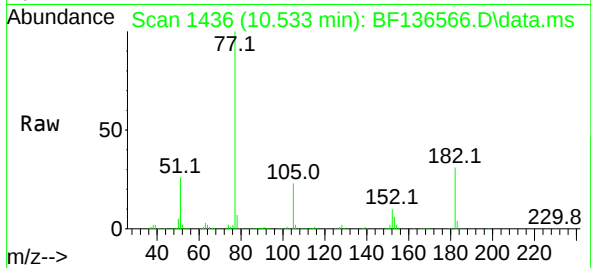
Tgt Ion:138 Resp: 183057  
Ion Ratio Lower Upper  
138 100  
92 45.8 25.0 65.0  
108 71.7 47.9 87.9





#63  
Azobenzene  
Concen: 42.679 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

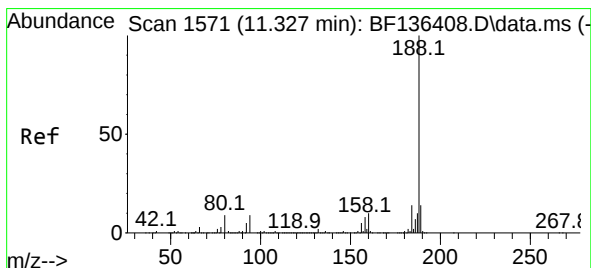
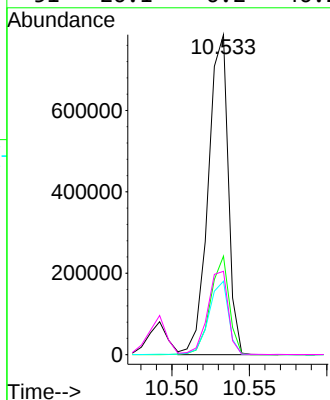
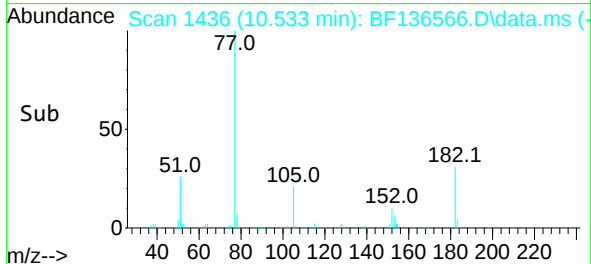
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



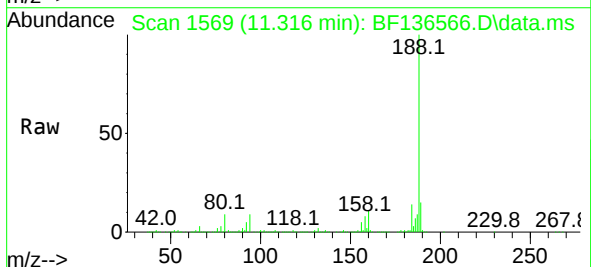
Tgt Ion: 77 Resp: 70312  
Ion Ratio Lower Upper  
77 100  
182 30.8 10.8 50.8  
105 23.0 2.6 42.6  
51 26.1 6.2 46.2

Manual Integrations  
APPROVED

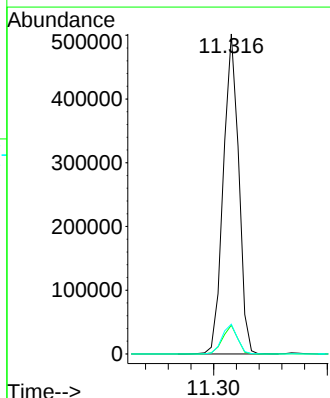
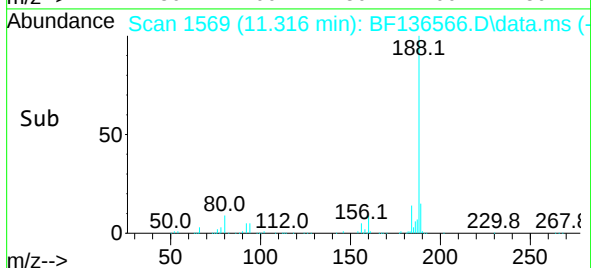
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

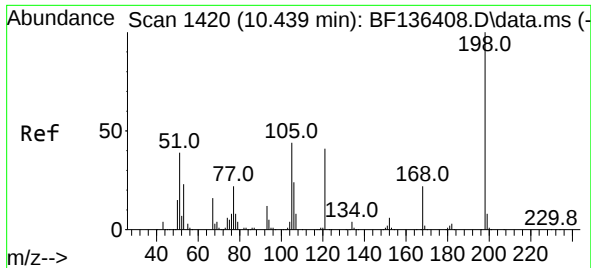


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



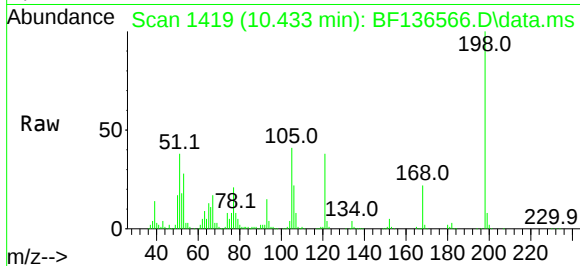
Tgt Ion:188 Resp: 472746  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.2 10.8  
80 9.3 7.2 10.8





#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.630 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

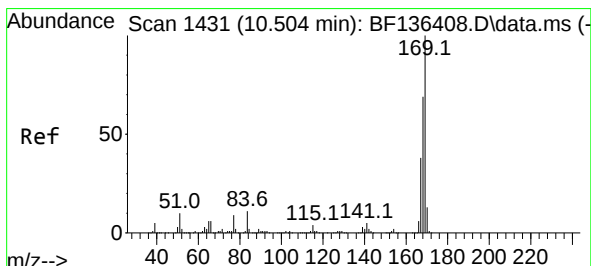
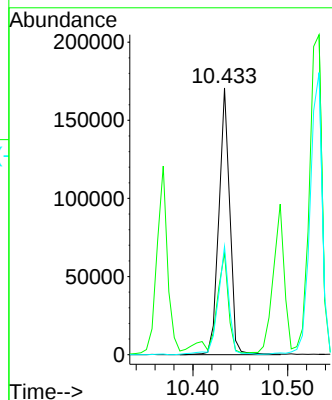
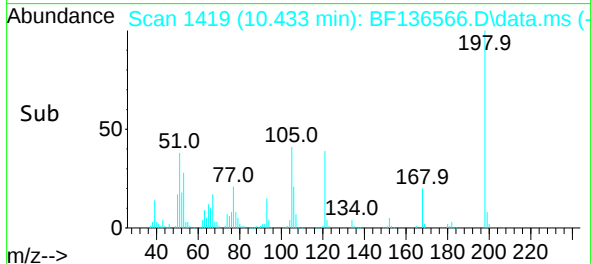
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



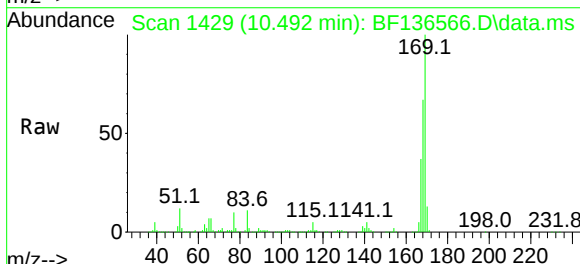
Tgt Ion:198 Resp: 13652  
Ion Ratio Lower Upper  
198 100  
51 38.2 24.1 64.1  
105 40.6 24.8 64.8

Manual Integrations  
APPROVED

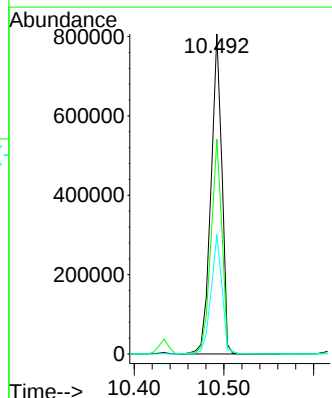
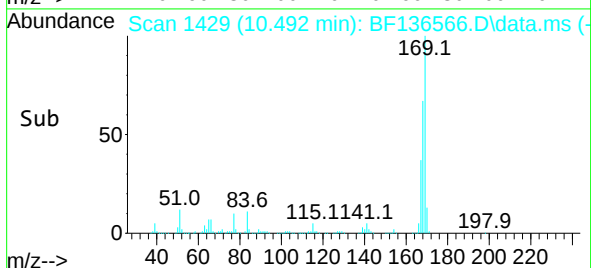
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

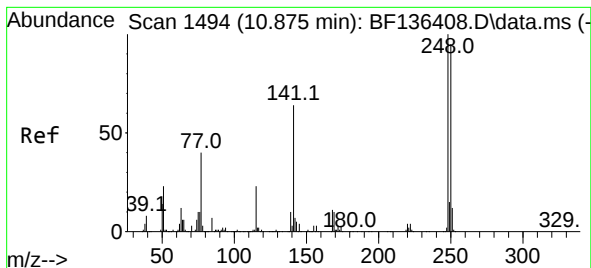


#66  
n-Nitrosodiphenylamine  
Concen: 44.902 ng  
RT: 10.492 min Scan# 1429  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



Tgt Ion:169 Resp: 681133  
Ion Ratio Lower Upper  
169 100  
168 67.2 55.3 82.9  
167 37.4 30.1 45.1





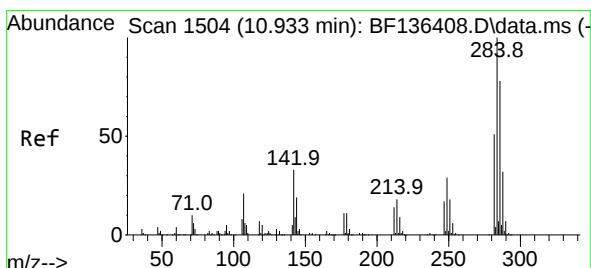
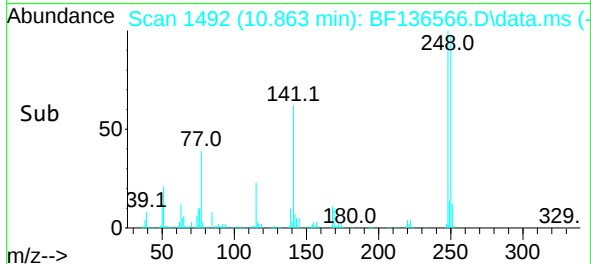
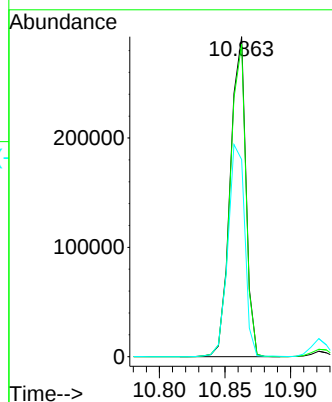
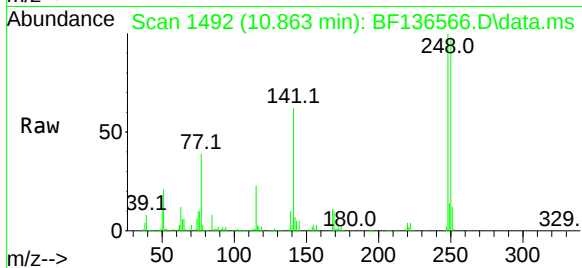
#67  
4-Bromophenyl-phenylether  
Concen: 44.266 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD

Tgt Ion:248 Resp: 24330  
Ion Ratio Lower Upper  
248 100  
250 97.6 76.2 114.2  
141 61.6 51.0 76.4

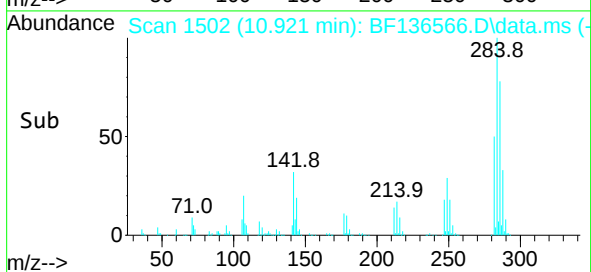
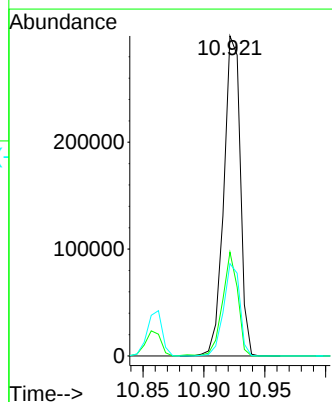
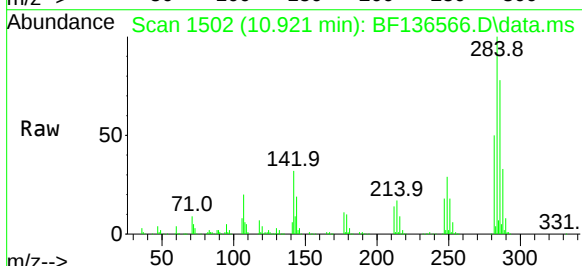
Manual Integrations  
APPROVED

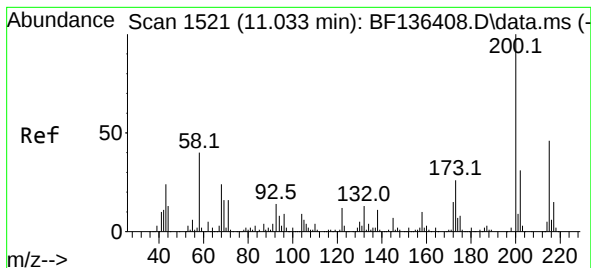
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#68  
Hexachlorobenzene  
Concen: 44.349 ng  
RT: 10.921 min Scan# 1502  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Tgt Ion:284 Resp: 281733  
Ion Ratio Lower Upper  
284 100  
142 32.5 26.5 39.7  
249 28.8 23.4 35.0





#69

Atrazine

Concen: 55.270 ng

RT: 11.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

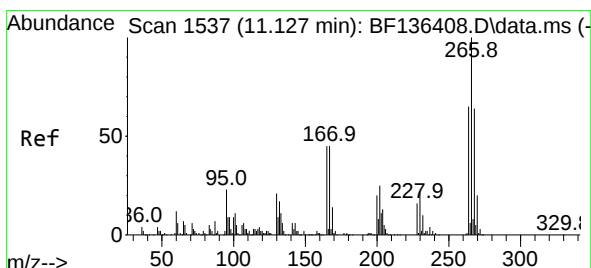
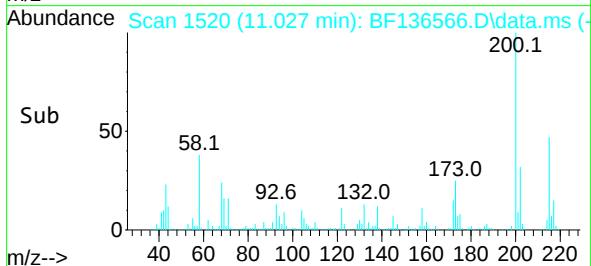
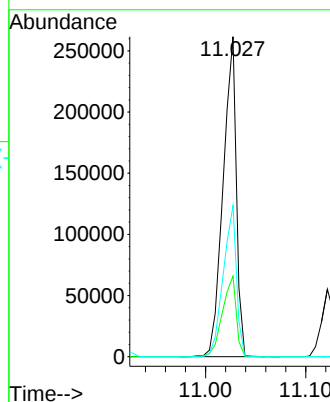
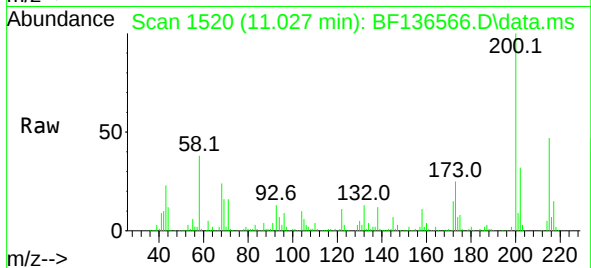
Tgt Ion:200 Resp: 23929  
 Ion Ratio Lower Upper  
 200 100  
 173 25.2 6.0 46.0  
 215 47.3 25.5 65.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#70

Pentachlorophenol

Concen: 78.258 ng

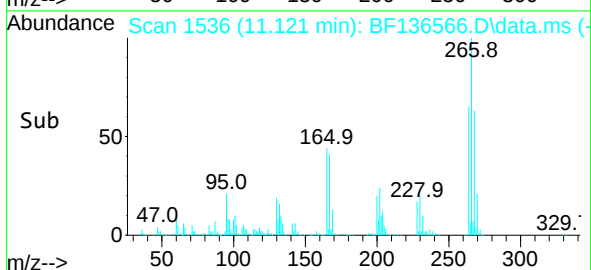
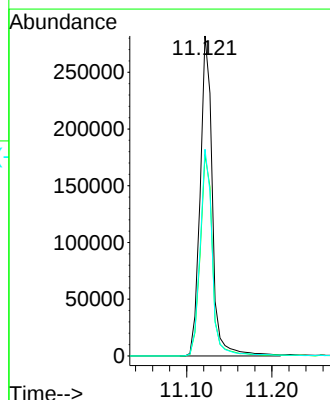
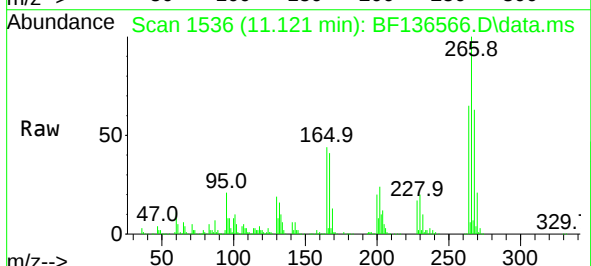
RT: 11.121 min Scan# 1536

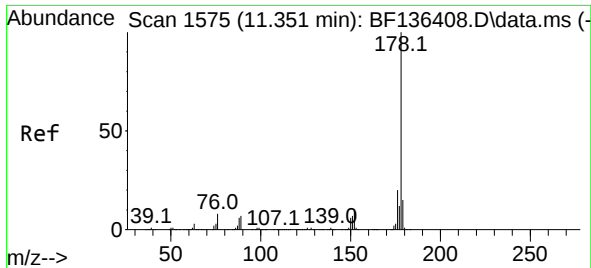
Delta R.T. -0.006 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Tgt Ion:266 Resp: 280578  
 Ion Ratio Lower Upper  
 266 100  
 268 62.9 51.0 76.6  
 264 64.6 52.2 78.4





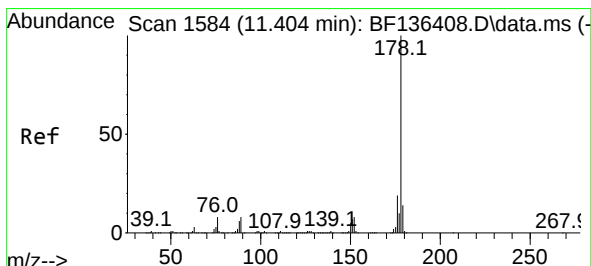
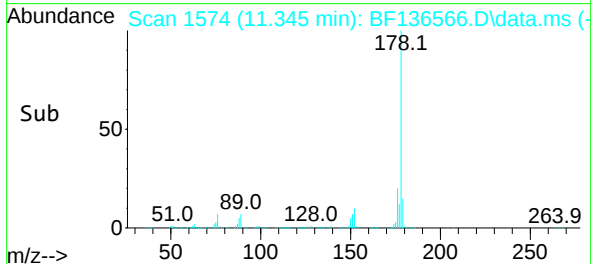
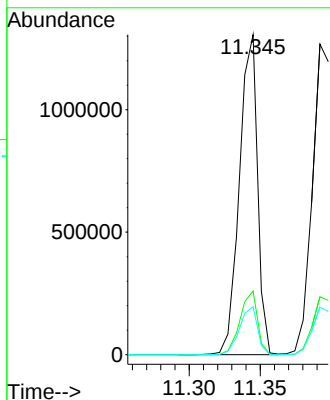
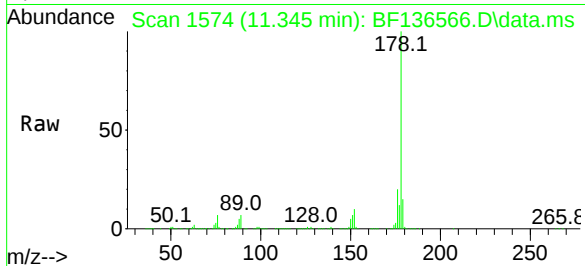
#71  
Phenanthrene  
Concen: 44.737 ng  
RT: 11.345 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD

Tgt Ion:178 Resp: 116246  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.9 23.9  
179 15.0 11.8 17.6

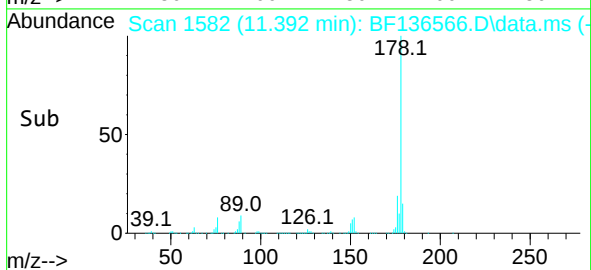
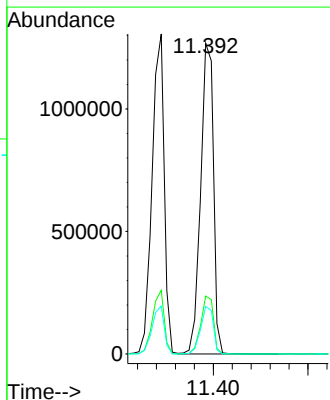
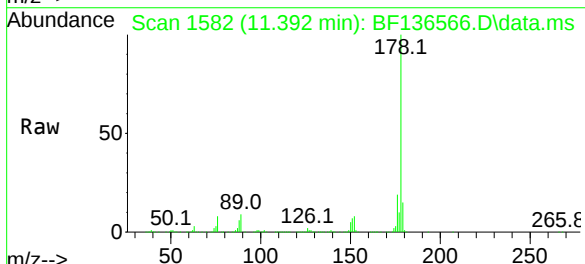
Manual Integrations  
APPROVED

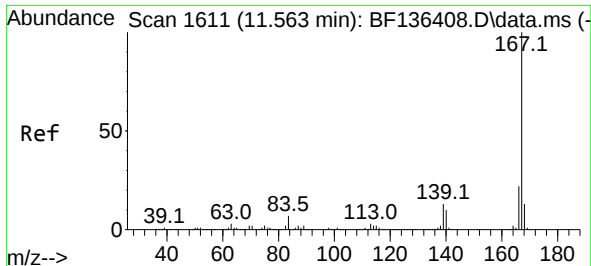
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#72  
Anthracene  
Concen: 45.613 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

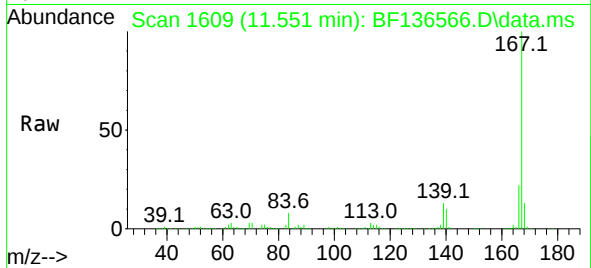
Tgt Ion:178 Resp: 1193766  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.3 22.9  
179 15.3 11.4 17.0





#73  
 Carbazole  
 Concen: 44.188 ng  
 RT: 11.551 min Scan# 1609  
 Delta R.T. -0.012 min  
 Lab File: BF136566.D  
 Acq: 14 Dec 2023 13:59

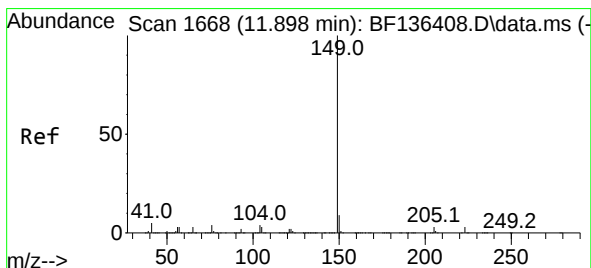
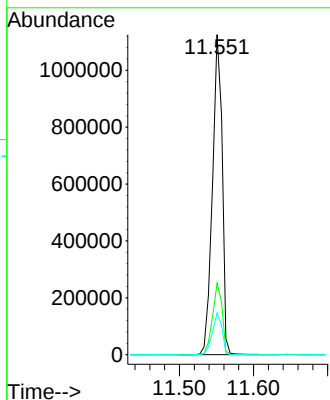
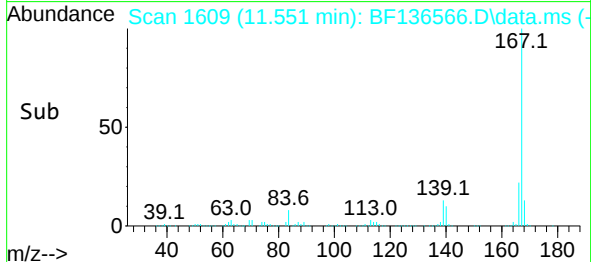
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157494BSD



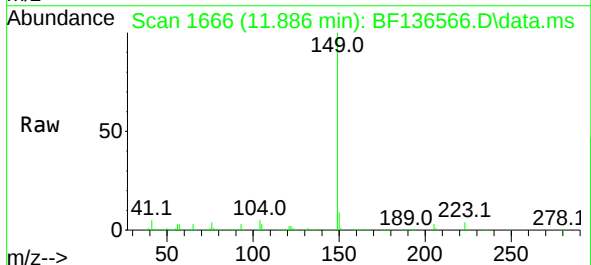
Tgt Ion:167 Resp: 1023574  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.0 27.0  
 139 13.1 10.2 15.4

Manual Integrations  
 APPROVED

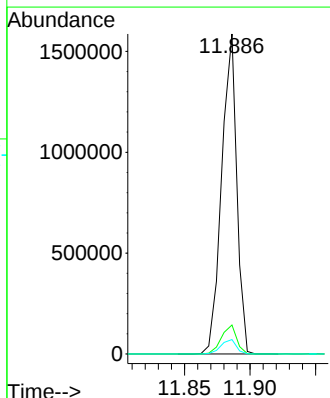
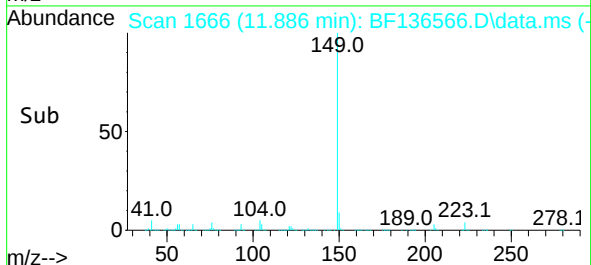
Reviewed By :Yogesh Patel 12/15/2023  
 Supervised By :mohammad ahmed 12/15/2023

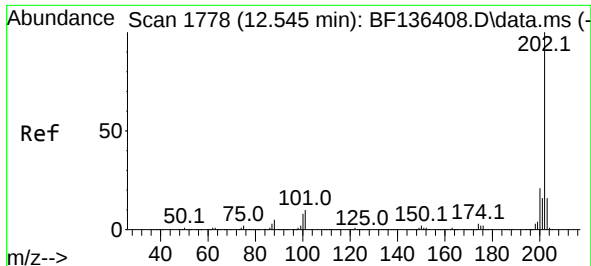


#74  
 Di-n-butylphthalate  
 Concen: 44.743 ng  
 RT: 11.886 min Scan# 1666  
 Delta R.T. -0.012 min  
 Lab File: BF136566.D  
 Acq: 14 Dec 2023 13:59



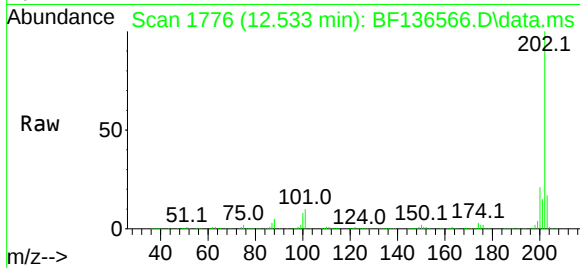
Tgt Ion:149 Resp: 1270552  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 6.9 10.3  
 104 4.5 3.5 5.3





#75  
Fluoranthene  
Concen: 43.474 ng  
RT: 12.533 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

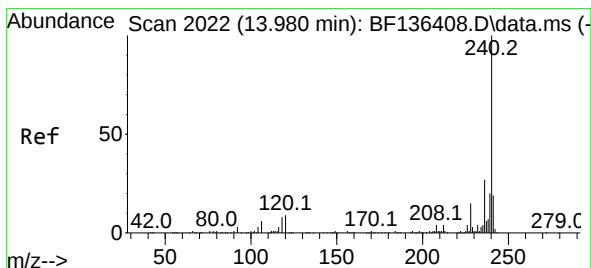
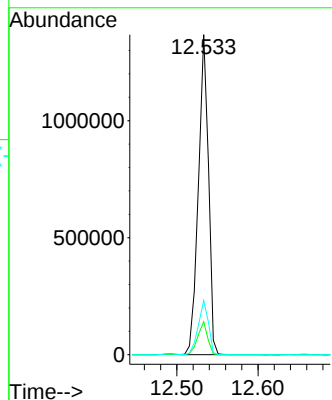
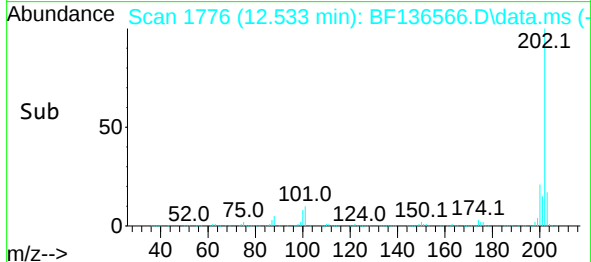
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



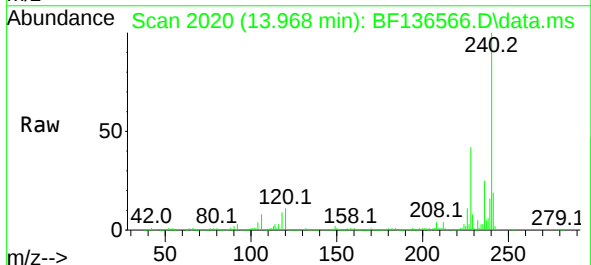
Tgt Ion:202 Resp: 1183800  
Ion Ratio Lower Upper  
202 100  
101 10.3 0.0 29.9  
203 17.0 0.0 36.3

Manual Integrations  
APPROVED

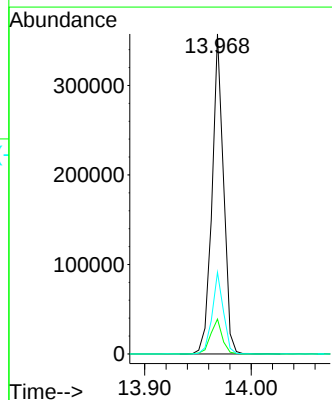
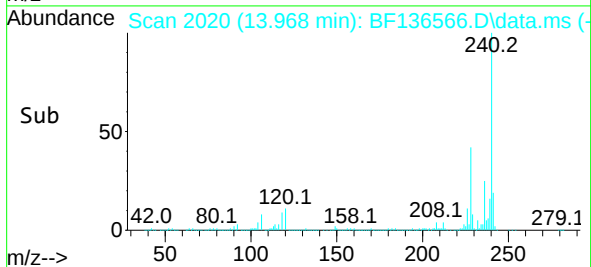
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

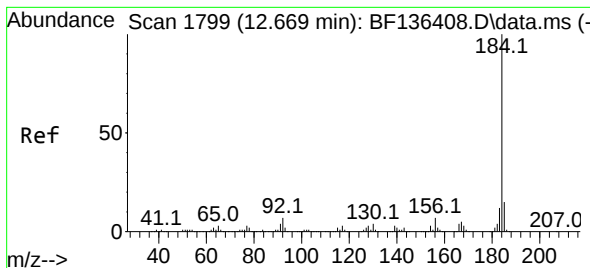


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



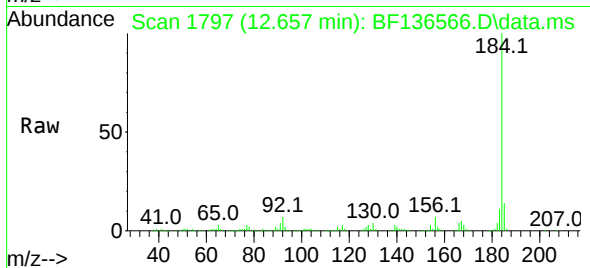
Tgt Ion:240 Resp: 267556  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.3 10.9  
236 25.5 21.3 31.9





#77  
Benzidine  
Concen: 45.159 ng  
RT: 12.657 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

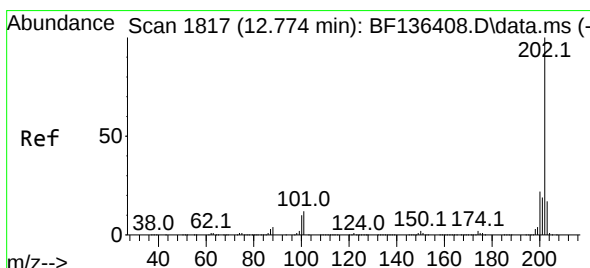
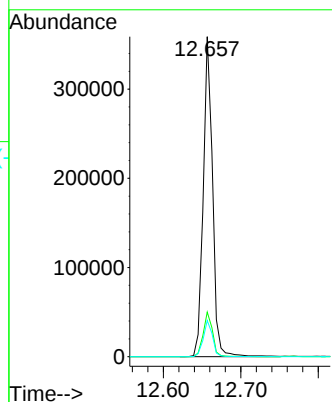
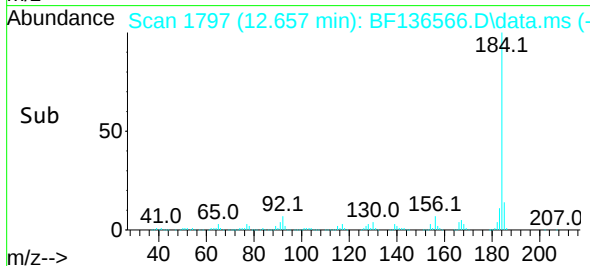
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



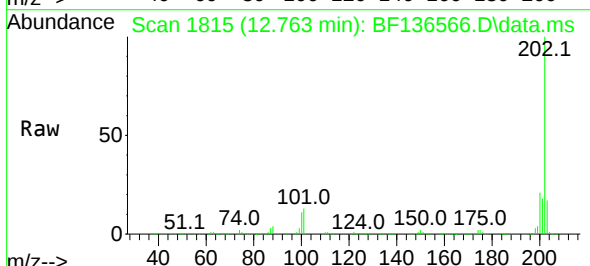
Tgt Ion:184 Resp: 29954  
Ion Ratio Lower Upper  
184 100  
185 14.0 12.0 18.0  
183 11.3 9.4 14.0

Manual Integrations  
APPROVED

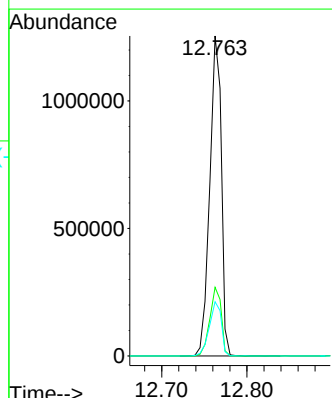
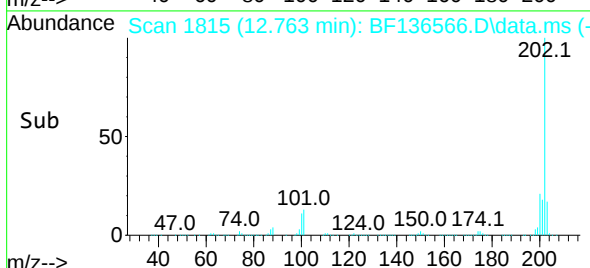
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

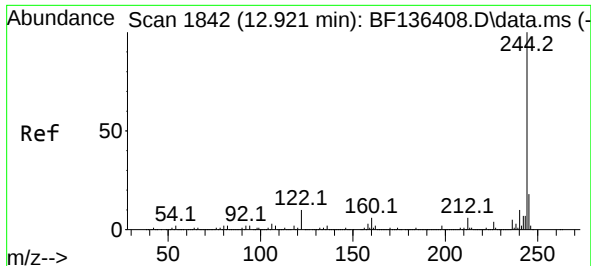


#78  
Pyrene  
Concen: 45.206 ng  
RT: 12.763 min Scan# 1815  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



Tgt Ion:202 Resp: 1184549  
Ion Ratio Lower Upper  
202 100  
200 21.5 18.0 27.0  
203 16.9 13.5 20.3





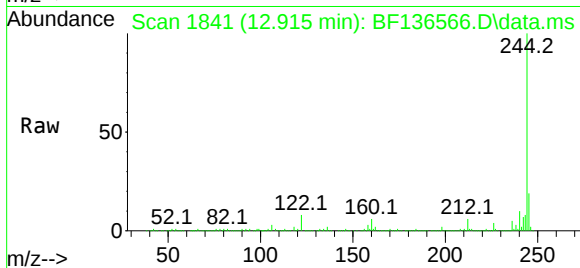
#79  
 Terphenyl-d14  
 Concen: 88.624 ng  
 RT: 12.915 min Scan# 1841  
 Delta R.T. -0.006 min  
 Lab File: BF136566.D  
 Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD



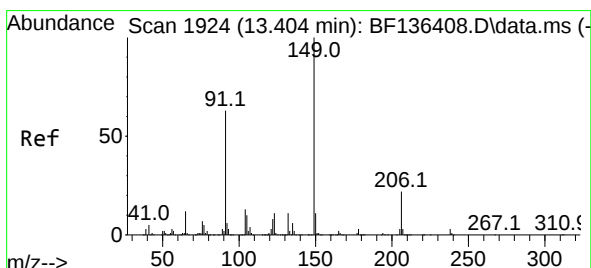
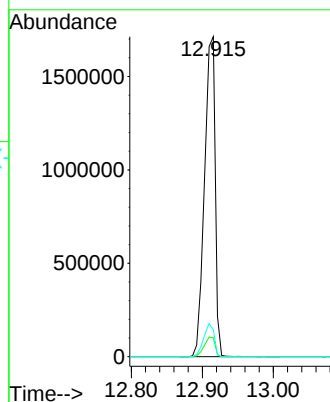
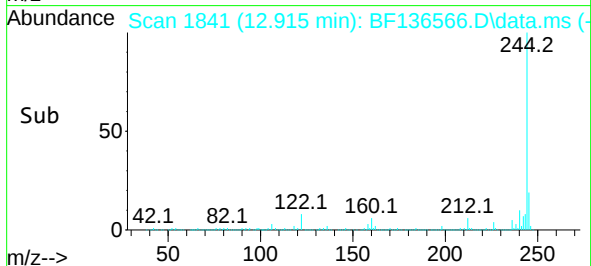
Tgt Ion:244 Resp: 1799028  
 Ion Ratio Lower Upper  
 244 100  
 212 5.9 5.0 7.4  
 122 8.5 8.3 12.5

Manual Integrations

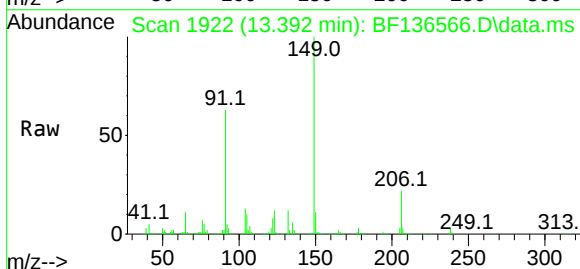
APPROVED

Reviewed By :Yogesh Patel 12/15/2023

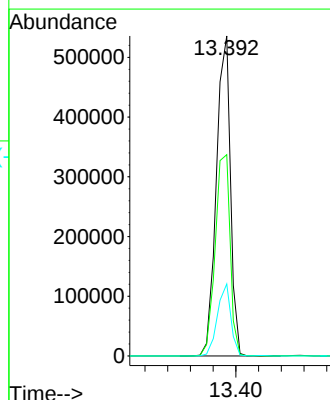
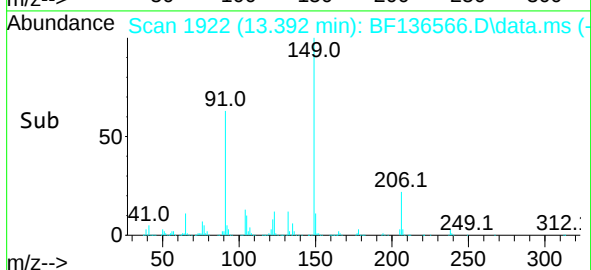
Supervised By :mohammad ahmed 12/15/2023

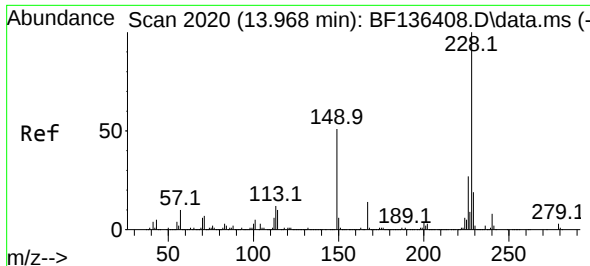


#80  
 Butylbenzylphthalate  
 Concen: 49.537 ng  
 RT: 13.392 min Scan# 1922  
 Delta R.T. -0.012 min  
 Lab File: BF136566.D  
 Acq: 14 Dec 2023 13:59



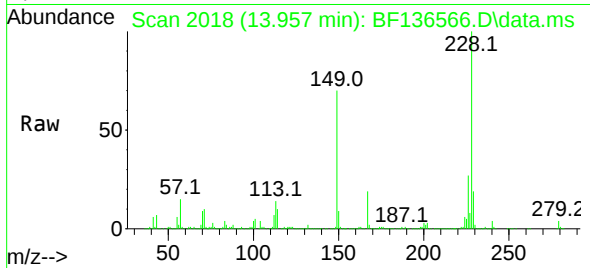
Tgt Ion:149 Resp: 462076  
 Ion Ratio Lower Upper  
 149 100  
 91 62.9 50.5 75.7  
 206 22.5 17.4 26.2





#81  
Benzo(a)anthracene  
Concen: 46.259 ng  
RT: 13.957 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

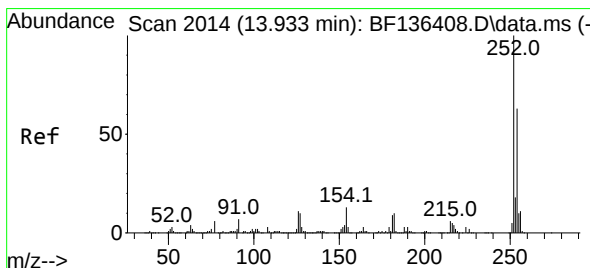
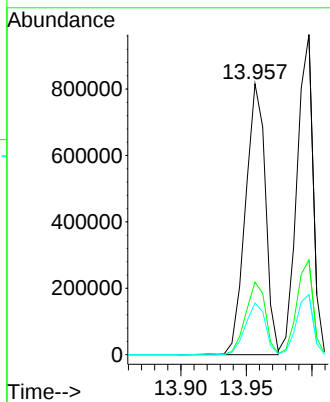
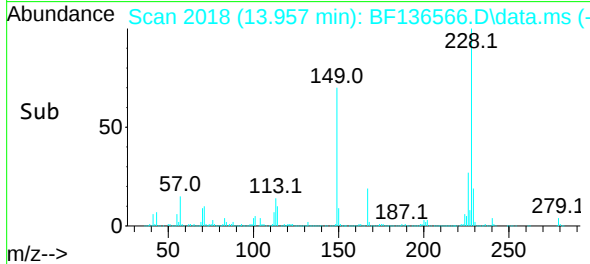
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



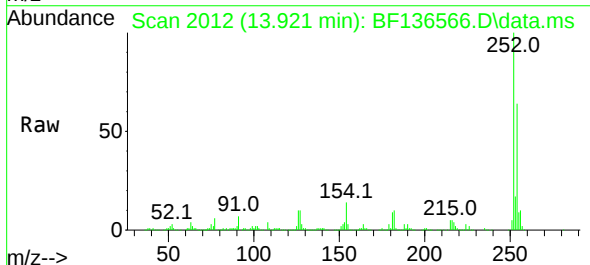
Tgt Ion:228 Resp: 862120  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.8 32.8  
229 19.1 15.0 22.4

Manual Integrations  
APPROVED

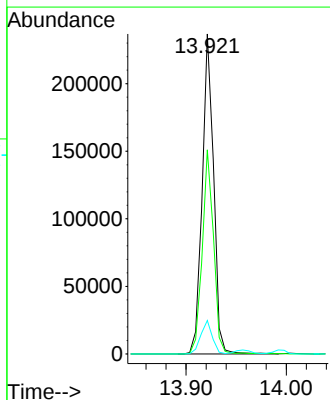
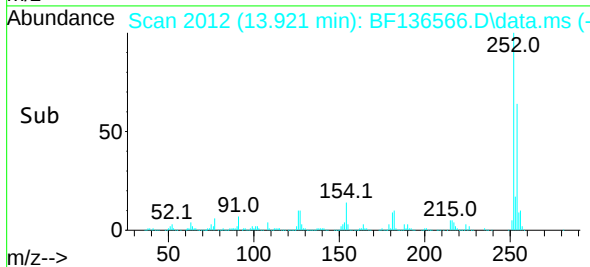
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

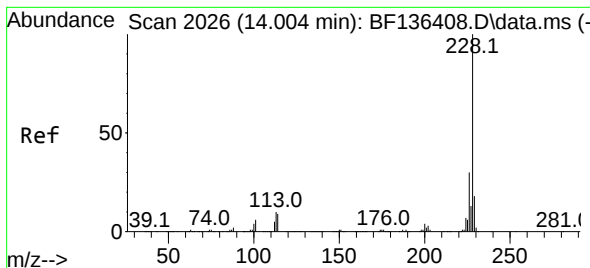


#82  
3,3'-Dichlorobenzidine  
Concen: 35.941 ng  
RT: 13.921 min Scan# 2012  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



Tgt Ion:252 Resp: 187810  
Ion Ratio Lower Upper  
252 100  
254 63.8 50.8 76.2  
126 10.5 8.6 12.8





#83

Chrysene

Concen: 44.996 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

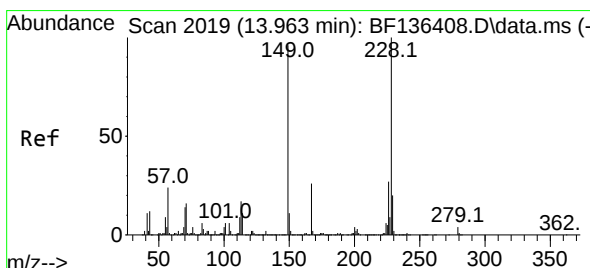
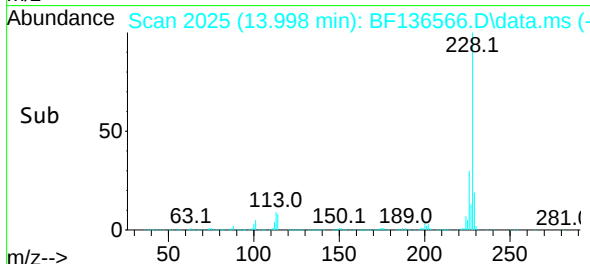
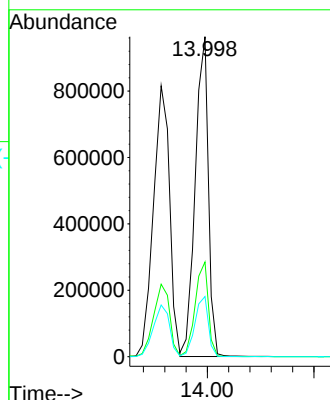
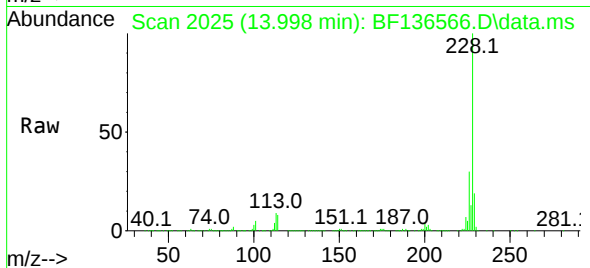
|             |             |
|-------------|-------------|
| Tgt Ion:228 | Resp: 82505 |
| Ion Ratio   | Lower Upper |
| 228 100     |             |
| 226 29.6    | 23.8 35.6   |
| 229 18.8    | 14.8 22.2   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.888 ng

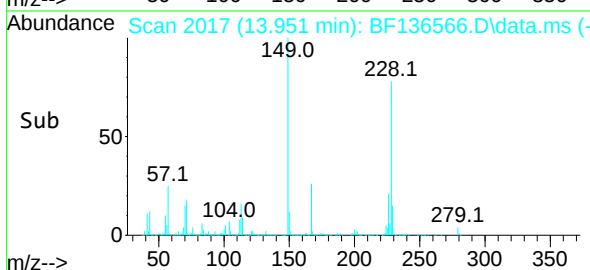
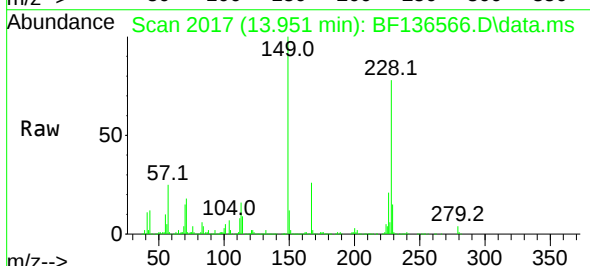
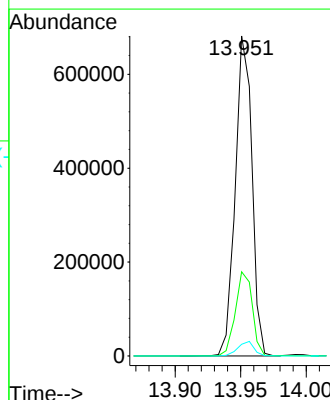
RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 604782 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 167 26.3    | 21.2 31.8    |
| 279 3.6     | 3.1 4.7      |





#85

Di-n-octyl phthalate

Concen: 53.984 ng

RT: 14.568 min Scan# 2122

Delta R.T. -0.012 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

Instrument :

BNA\_F

ClientSampleId :

PB157494BSD

Tgt Ion:149 Resp: 911838

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

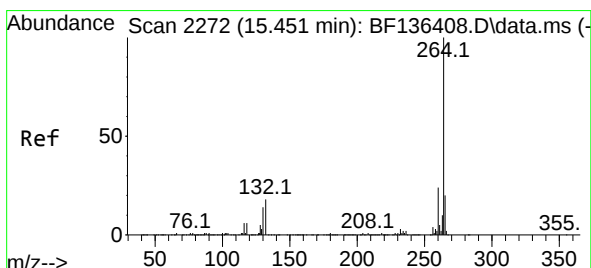
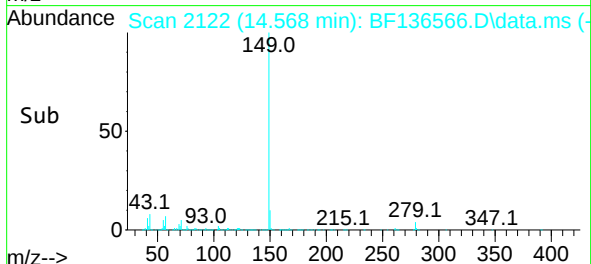
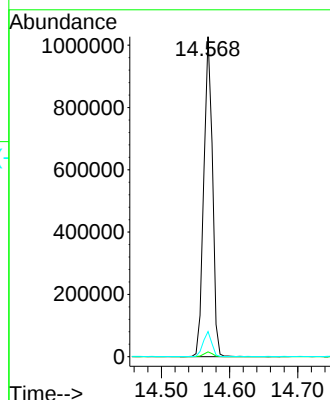
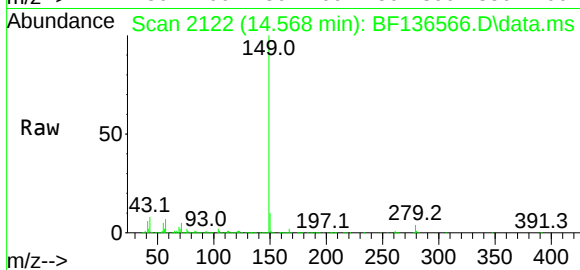
43 7.7 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.006 min

Lab File: BF136566.D

Acq: 14 Dec 2023 13:59

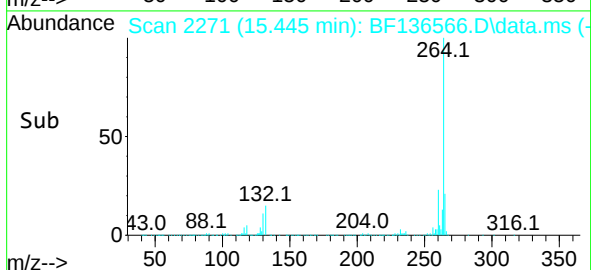
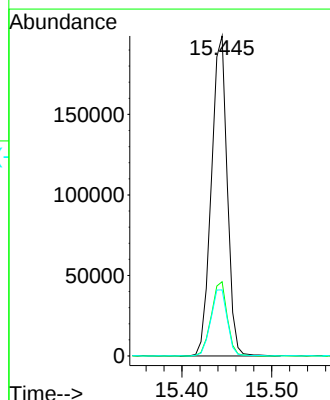
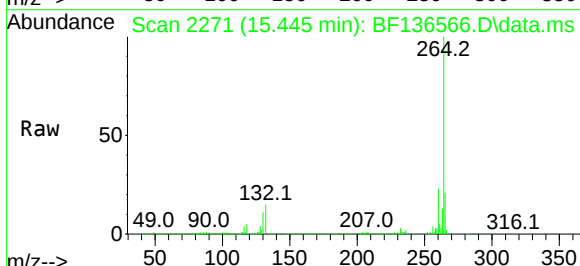
Tgt Ion:264 Resp: 243350

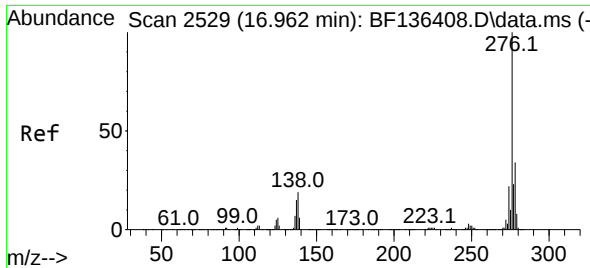
Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

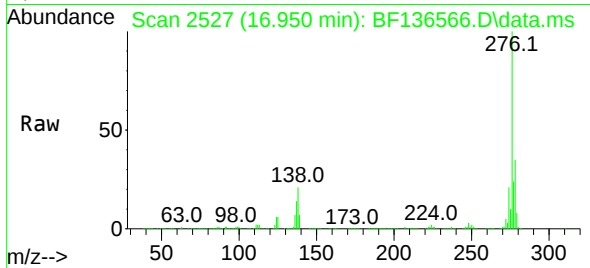
265 20.7 15.9 23.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 48.787 ng  
RT: 16.950 min Scan# 2197  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

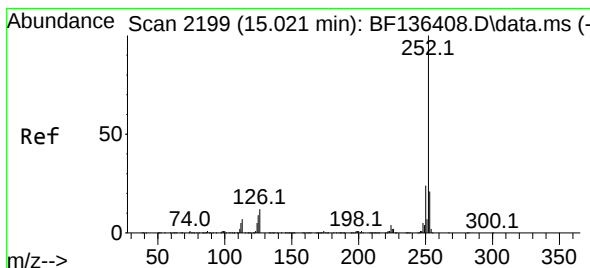
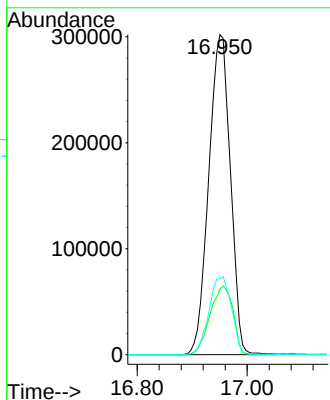
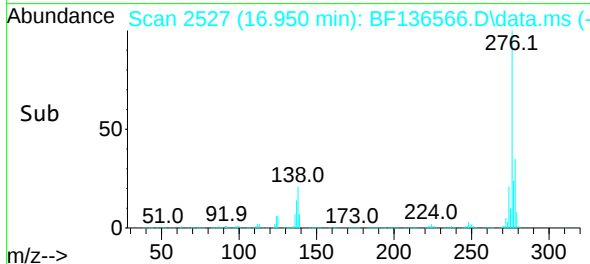
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



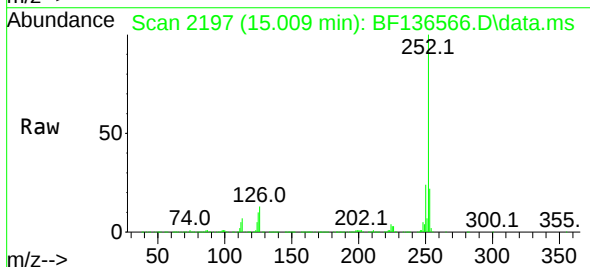
Tgt Ion:276 Resp: 82480  
Ion Ratio Lower Upper  
276 100  
138 22.9 19.0 28.4  
277 25.5 20.0 30.0

Manual Integrations  
APPROVED

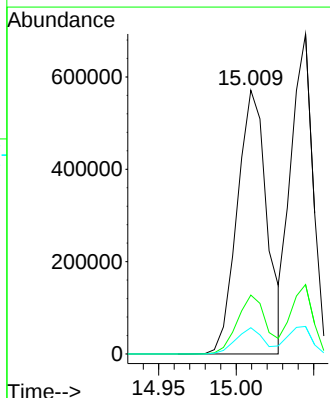
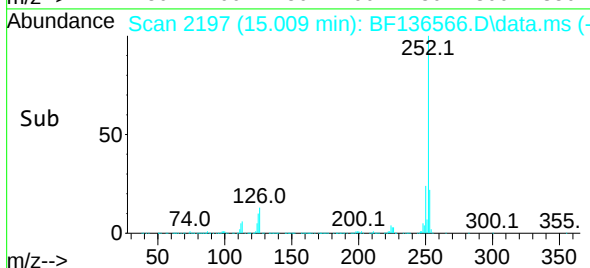
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

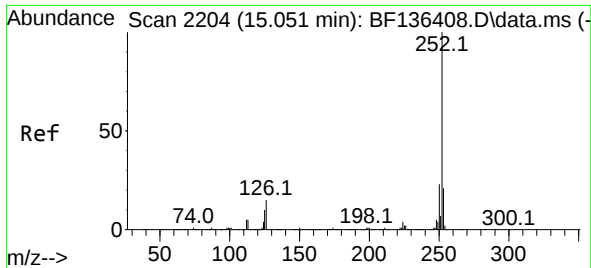


#88  
Benzo(b)fluoranthene  
Concen: 45.807 ng  
RT: 15.009 min Scan# 2197  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



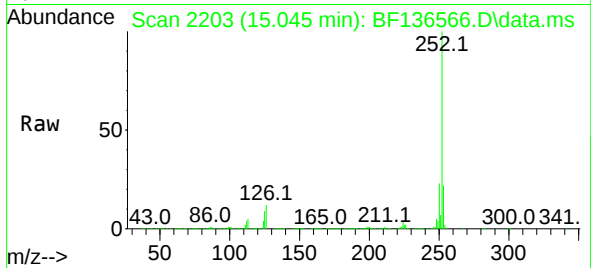
Tgt Ion:252 Resp: 762155  
Ion Ratio Lower Upper  
252 100  
253 22.3 16.9 25.3  
125 10.0 7.4 11.2





#89  
Benzo(k)fluoranthene  
Concen: 43.615 ng  
RT: 15.045 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

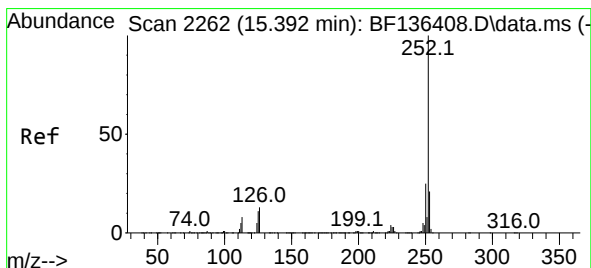
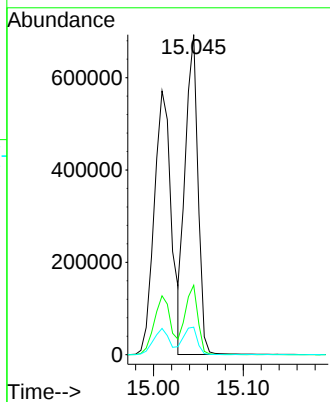
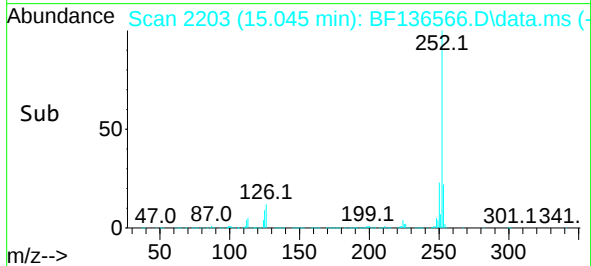
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



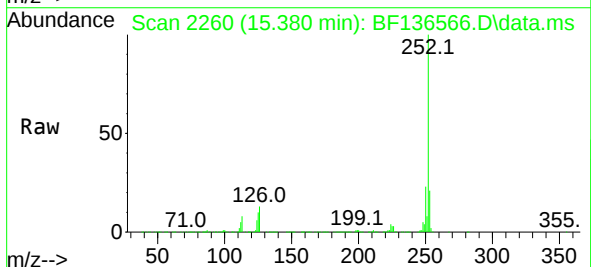
Tgt Ion:252 Resp: 683890  
Ion Ratio Lower Upper  
252 100  
253 21.7 16.9 25.3  
125 8.6 7.5 11.3

Manual Integrations  
APPROVED

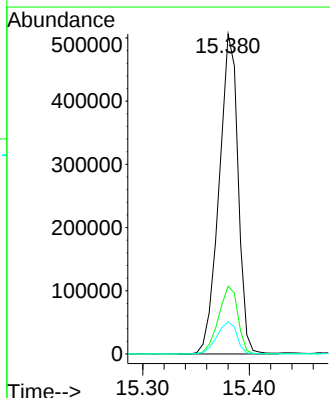
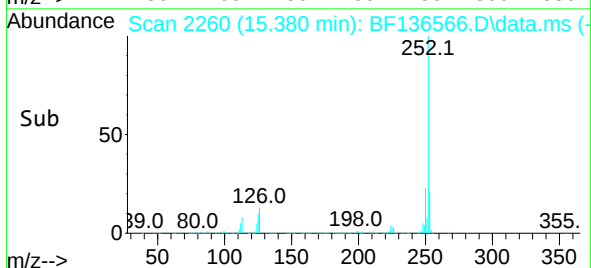
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

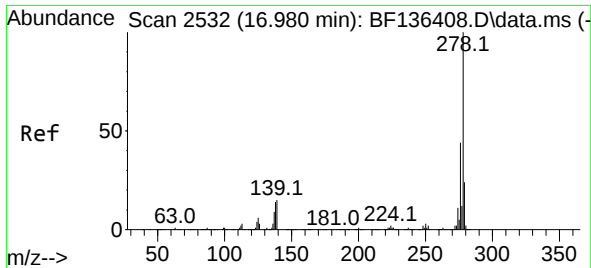


#90  
Benzo(a)pyrene  
Concen: 45.638 ng  
RT: 15.380 min Scan# 2260  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



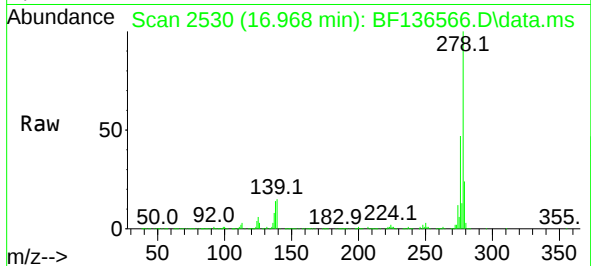
Tgt Ion:252 Resp: 627109  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.0 25.4  
125 10.1 8.6 13.0





#91  
Dibenzo(a,h)anthracene  
Concen: 49.567 ng  
RT: 16.968 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59

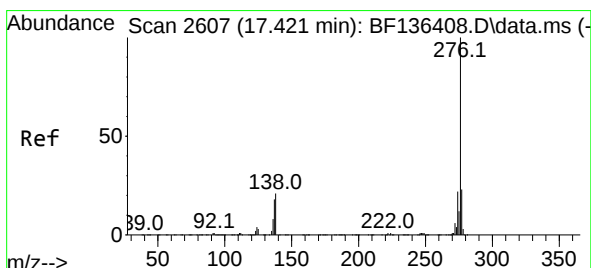
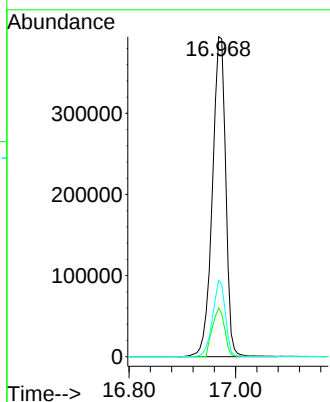
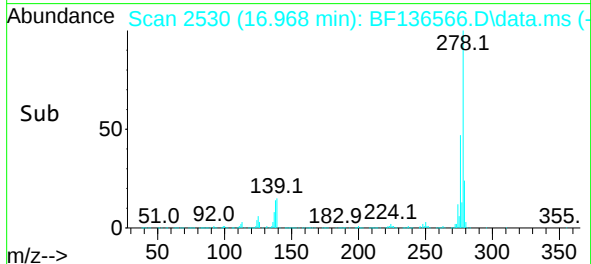
Instrument :  
BNA\_F  
ClientSampleId :  
PB157494BSD



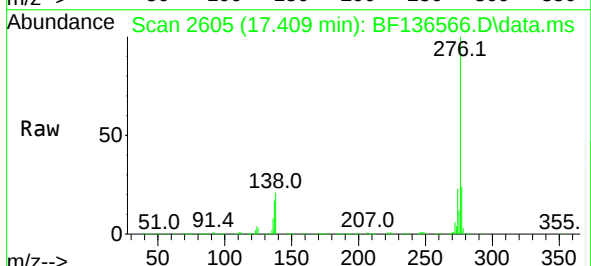
Tgt Ion:278 Resp: 68650  
Ion Ratio Lower Upper  
278 100  
139 15.2 12.2 18.4  
279 23.9 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#92  
Benzo(g,h,i)perylene  
Concen: 46.642 ng  
RT: 17.409 min Scan# 2605  
Delta R.T. -0.012 min  
Lab File: BF136566.D  
Acq: 14 Dec 2023 13:59



Tgt Ion:276 Resp: 663048  
Ion Ratio Lower Upper  
276 100  
277 23.8 18.7 28.1  
138 20.9 16.6 25.0

