

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112923\  
 Data File : BF136278.D  
 Acq On : 29 Nov 2023 12:18  
 Operator : CG\JU  
 Sample : PB157393BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157393BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/30/2023  
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 12:46:38 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 03:04:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 147659   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.086  | 136  | 642167   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.845  | 164  | 331693   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 610571   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 272004   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.468 | 264  | 274189   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 1354845  | 127.709 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.451  | 99   | 1680582  | 126.694 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 1029903  | 84.750  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 549791   | 135.576 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.169  | 172  | 2167801  | 83.479  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2187783  | 92.777  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 152139   | 37.901  | ng    | 98       |
| 3) Pyridine                   | 3.434  | 79   | 339594   | 34.272  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.399  | 42   | 205215   | 40.971  | ng    | 95       |
| 6) Aniline                    | 6.475  | 93   | 502809   | 40.104  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.592  | 128  | 523301   | 45.302  | ng    | 95       |
| 9) Benzaldehyde               | 6.357  | 77   | 85289    | 11.536  | ng    | 99       |
| 10) Phenol                    | 6.463  | 94   | 620881   | 43.629  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 467796   | 44.808  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.751  | 146  | 553491   | 42.222  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.822  | 146  | 570301   | 42.795  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.975  | 146  | 530723   | 42.067  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.957  | 79   | 410789   | 44.169  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081  | 45   | 642703   | 44.320  | ng    | 99       |
| 17) 2-Methylphenol            | 7.063  | 107  | 416514   | 45.865  | ng    | 98       |
| 18) Hexachloroethane          | 7.316  | 117  | 194417   | 41.592  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.228  | 70   | 354428   | 44.674  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 522232   | 44.247  | ng    | 92       |
| 22) Acetophenone              | 7.222  | 105  | 748918   | 44.406  | ng    | # 92     |
| 24) Nitrobenzene              | 7.392  | 77   | 520765   | 42.287  | ng    | 96       |
| 25) Isophorone                | 7.628  | 82   | 967470   | 44.152  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 260702   | 49.685  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 438516   | 63.495  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.839  | 93   | 590213   | 44.530  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.945  | 162  | 433795   | 46.568  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 488603   | 42.841  | ng    | 99       |
| 31) Naphthalene               | 8.110  | 128  | 1574947  | 43.634  | ng    | 99       |
| 32) Benzoic acid              | 7.881  | 122  | 316384   | 50.266  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.157  | 127  | 430192   | 35.063  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.222  | 225  | 271669   | 40.715  | ng    | 97       |
| 35) Caprolactam               | 8.539  | 113  | 127076m  | 48.798  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.645  | 107  | 458263   | 45.358  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.798  | 142  | 990731   | 43.756  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.898  | 142  | 920208   | 41.662  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.969  | 216  | 468931   | 44.422  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.951  | 237  | 531144   | 130.764 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 9.081  | 196  | 309023   | 45.102  | ng    | 93       |

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Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/30/2023  
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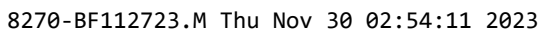
Quant Time: Nov 29 12:46:38 2023  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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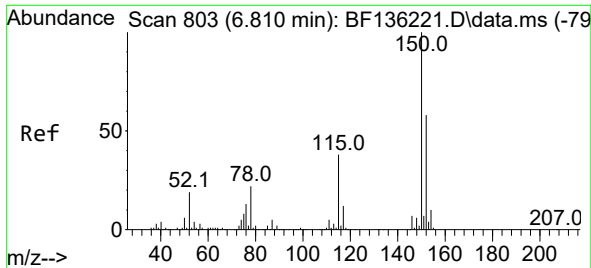
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.128  | 196  | 332407   | 44.456  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.269  | 154  | 1295390  | 44.286  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.292  | 162  | 968923   | 42.655  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.392  | 65   | 278007   | 46.877  | ng    | 86       |
| 49) Acenaphthylene            | 9.710  | 152  | 1485831  | 45.836  | ng    | 99       |
| 50) Dimethylphthalate         | 9.575  | 163  | 1142323  | 45.565  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 234292   | 45.746  | ng    | 97       |
| 52) Acenaphthene              | 9.880  | 154  | 901592   | 44.011  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.804  | 138  | 197287   | 38.822  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.916  | 184  | 258235   | 108.411 | ng    | # 84     |
| 55) Dibenzofuran              | 10.051 | 168  | 1361087  | 44.651  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.975  | 139  | 353563   | 91.605  | ng    | 86       |
| 57) 2,4-Dinitrotoluene        | 10.039 | 165  | 317910   | 46.469  | ng    | 91       |
| 58) Fluorene                  | 10.398 | 166  | 1033773  | 43.235  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 278808   | 46.864  | ng    | 99       |
| 60) Diethylphthalate          | 10.280 | 149  | 1117489  | 44.561  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.392 | 204  | 496731   | 42.778  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.427 | 138  | 219020   | 44.030  | ng    | 94       |
| 63) Azobenzene                | 10.551 | 77   | 1028597  | 44.242  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198  | 170360   | 51.023  | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 922309   | 47.137  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248  | 323391   | 45.399  | ng    | 100      |
| 68) Hexachlorobenzene         | 10.945 | 284  | 366395   | 44.442  | ng    | 96       |
| 69) Atrazine                  | 11.039 | 200  | 180724   | 31.136  | ng    | 98       |
| 70) Pentachlorophenol         | 11.139 | 266  | 392164   | 84.153  | ng    | 99       |
| 71) Phenanthrene              | 11.363 | 178  | 1597907  | 46.563  | ng    | 99       |
| 72) Anthracene                | 11.416 | 178  | 1588343  | 46.154  | ng    | 99       |
| 73) Carbazole                 | 11.569 | 167  | 1289035  | 44.041  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 1675702  | 45.757  | ng    | 99       |
| 75) Fluoranthene              | 12.557 | 202  | 1450547  | 41.638  | ng    | 99       |
| 77) Benzidine                 | 12.680 | 184  | 201923   | 45.160  | ng    | 99       |
| 78) Pyrene                    | 12.786 | 202  | 1432188  | 48.077  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 447613   | 48.280  | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 918960   | 45.485  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.945 | 252  | 288914   | 59.407  | ng    | 98       |
| 83) Chrysene                  | 14.015 | 228  | 886896   | 45.465  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 521280   | 46.850  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 904523   | 49.834  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 974357   | 47.567  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 892587   | 46.400  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 857321   | 46.924  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 752101   | 47.827  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.009 | 278  | 793723   | 48.238  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 779374   | 47.248  | ng    | 98       |

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

## Manual Integrations

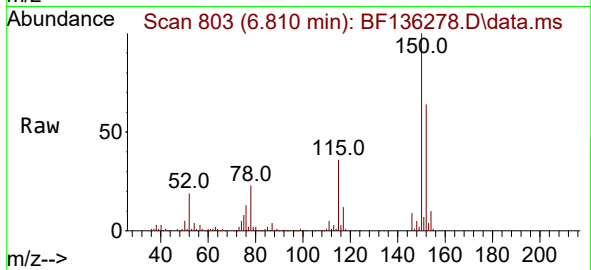
Quant Time: Nov 29 12:46:38 2023  
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QLast Update : Tue Nov 28 03:04:20 2023  
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

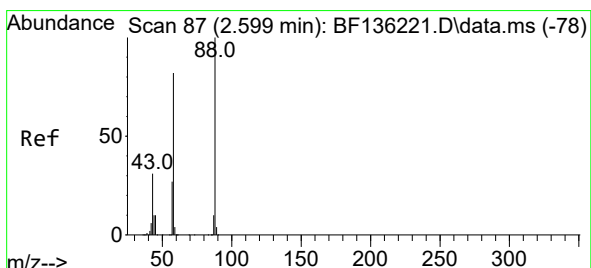
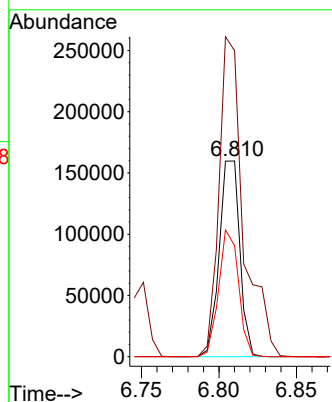
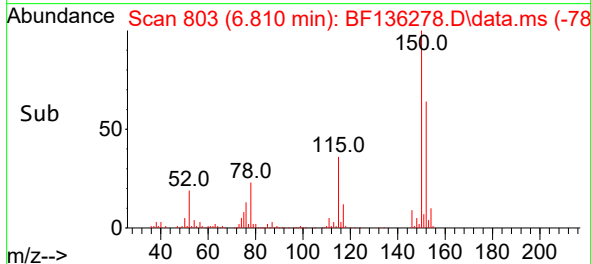
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



Tgt Ion:152 Resp: 147659  
Ion Ratio Lower Upper  
152 100  
150 156.4 137.8 206.8  
115 56.8 52.7 79.1

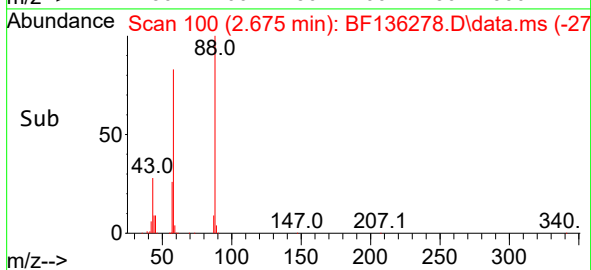
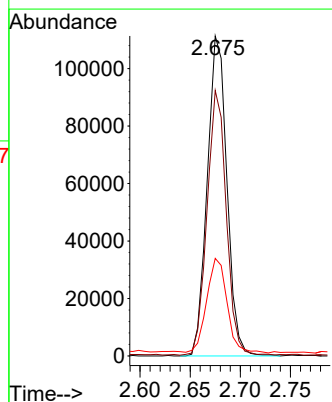
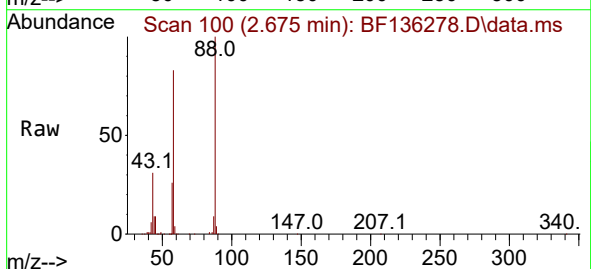
Manual Integrations  
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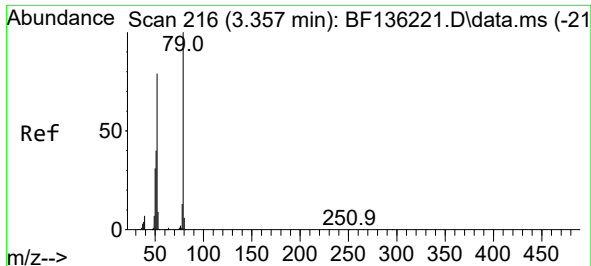
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#2  
1,4-Dioxane  
Concen: 37.901 ng  
RT: 2.675 min Scan# 100  
Delta R.T. 0.077 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

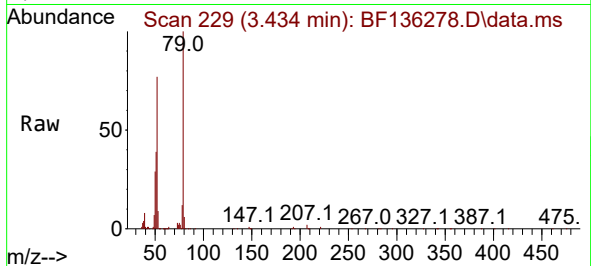
Tgt Ion: 88 Resp: 152139  
Ion Ratio Lower Upper  
88 100  
58 80.5 65.9 98.9  
43 30.7 24.8 37.2





#3  
Pyridine  
Concen: 34.272 ng  
RT: 3.434 min Scan# 216  
Delta R.T. 0.077 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

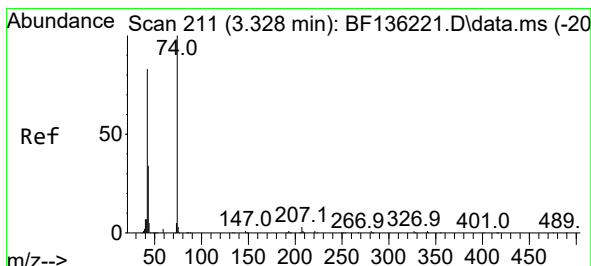
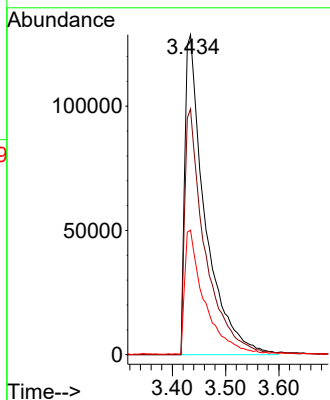
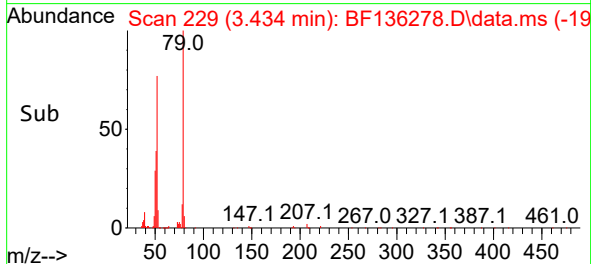
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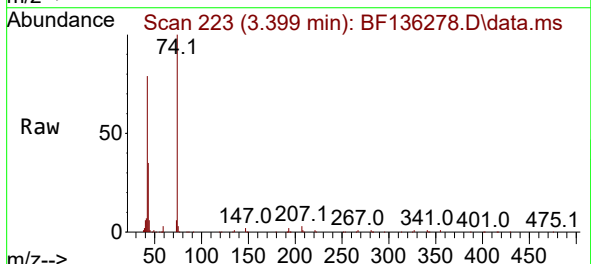
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Ion Ratio Lower Upper  
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52 76.8 63.2 94.8  
51 38.9 32.6 49.0

Manual Integrations  
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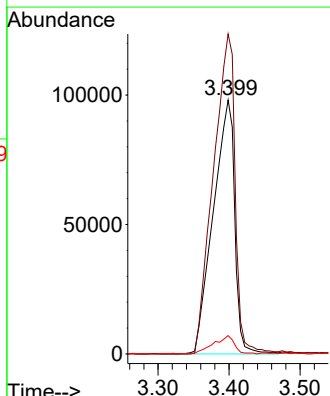
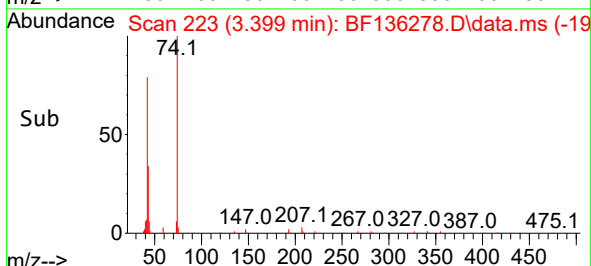
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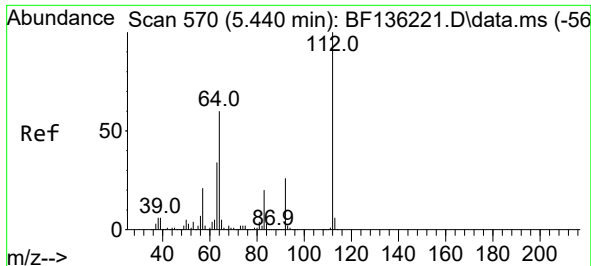


#4  
n-Nitrosodimethylamine  
Concen: 40.971 ng  
RT: 3.399 min Scan# 223  
Delta R.T. 0.071 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion: 42 Resp: 205215  
Ion Ratio Lower Upper  
42 100  
74 126.1 96.6 144.8  
44 7.2 5.4 8.2





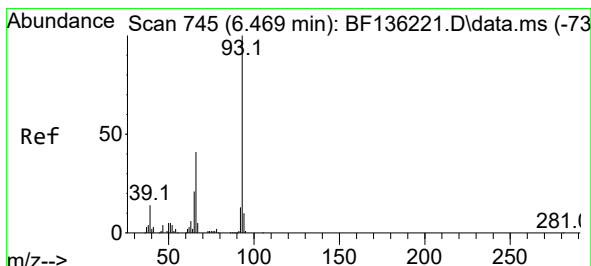
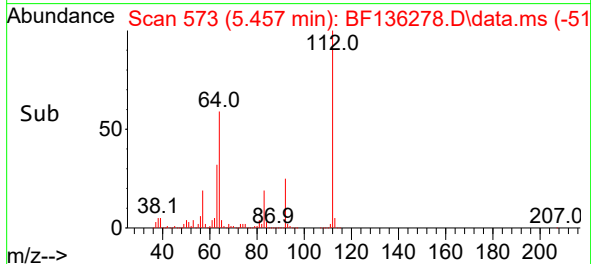
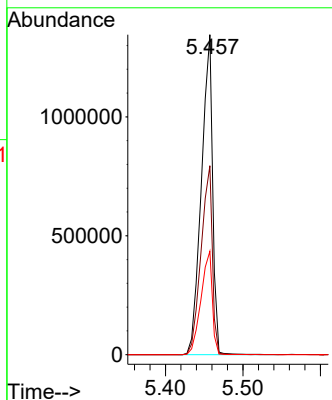
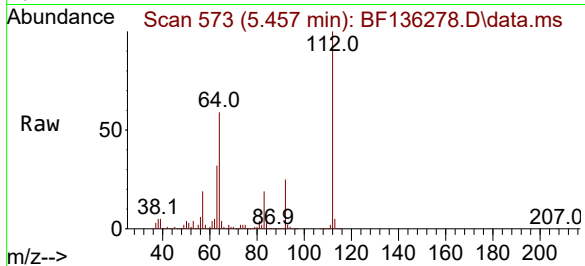
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2-Fluorophenol  
Concen: 127.709 ng  
RT: 5.457 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :  
BNA\_F  
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Tgt Ion:112 Resp: 135484  
Ion Ratio Lower Upper  
112 100  
64 59.1 48.2 72.4  
63 32.3 27.0 40.6

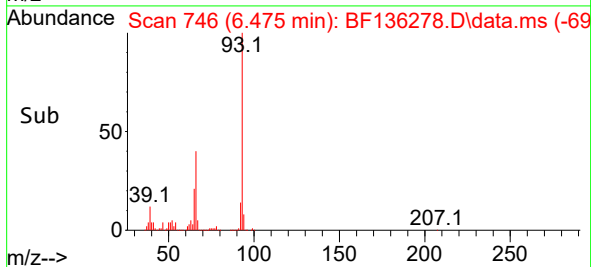
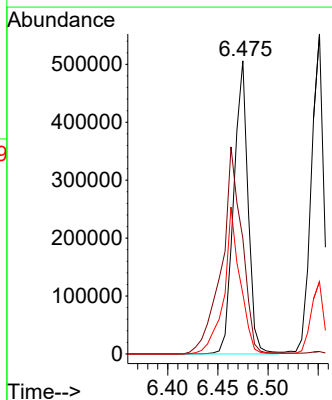
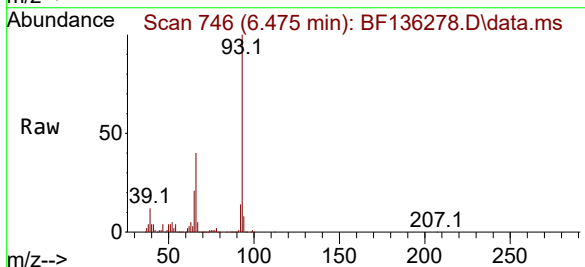
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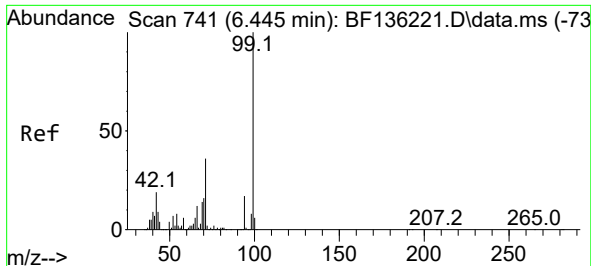
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#6  
Aniline  
Concen: 40.104 ng  
RT: 6.475 min Scan# 746  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

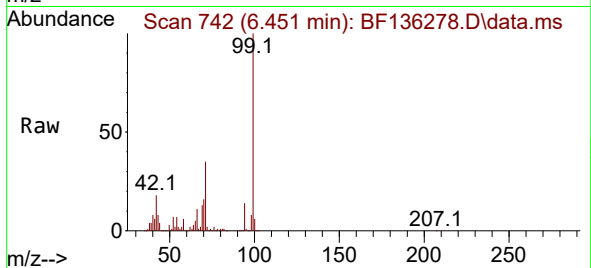
Tgt Ion: 93 Resp: 502809  
Ion Ratio Lower Upper  
93 100  
66 39.5 34.1 51.1  
65 20.5 17.3 25.9





#7  
Phenol-d6  
Concen: 126.694 ng  
RT: 6.451 min Scan# 741  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

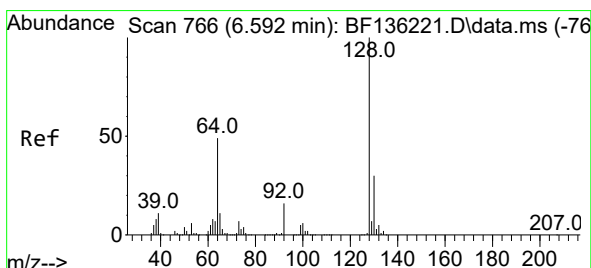
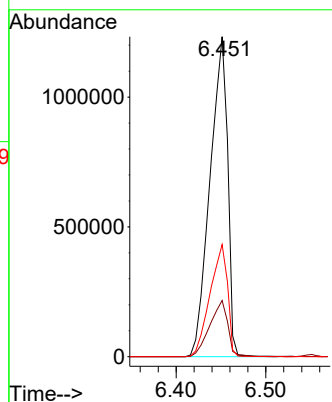
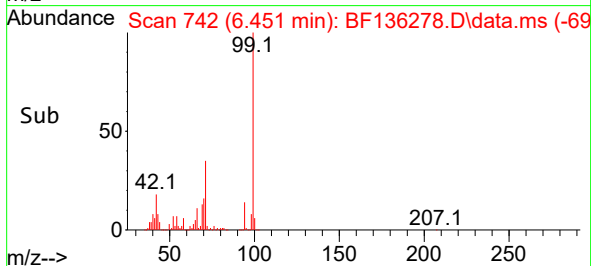
Instrument :  
BNA\_F  
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Tgt Ion: 99 Resp: 168058  
Ion Ratio Lower Upper  
99 100  
42 17.6 15.0 22.6  
71 35.1 28.9 43.3

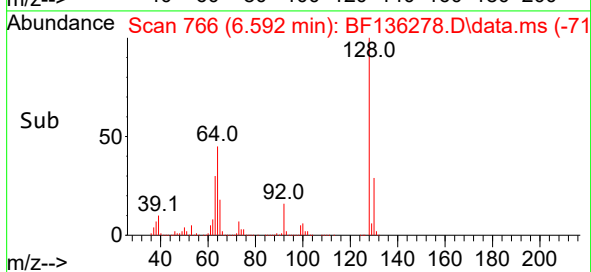
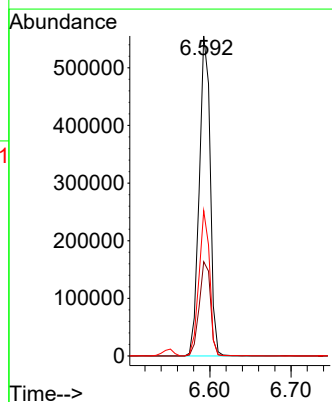
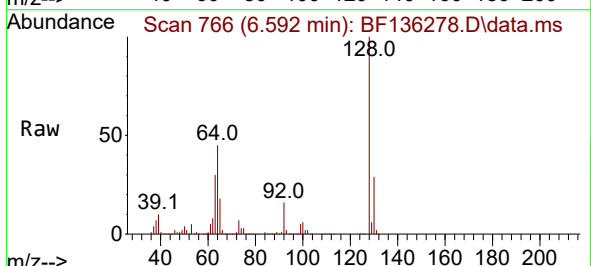
Manual Integrations  
APPROVED

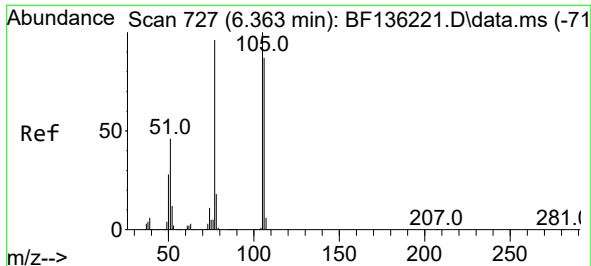
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#8  
2-Chlorophenol  
Concen: 45.302 ng  
RT: 6.592 min Scan# 766  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

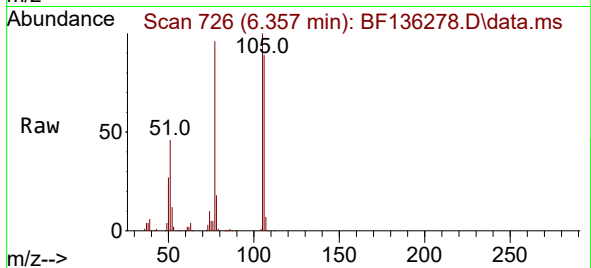
Tgt Ion:128 Resp: 523301  
Ion Ratio Lower Upper  
128 100  
130 29.5 10.3 50.3  
64 45.4 30.0 70.0





#9  
Benzaldehyde  
Concen: 11.536 ng  
RT: 6.357 min Scan# 726  
Delta R.T. -0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

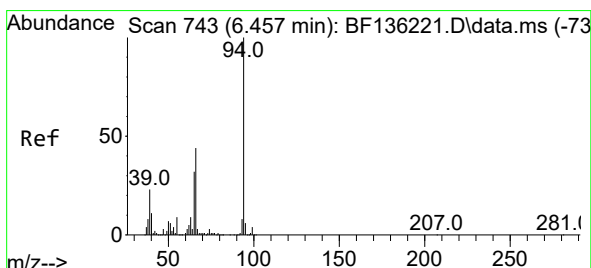
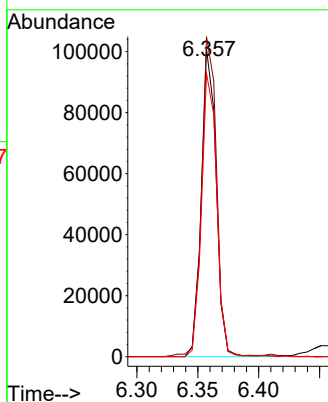
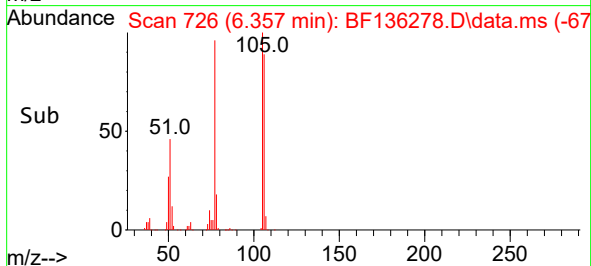
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



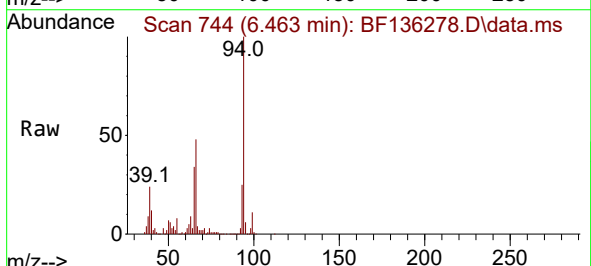
Tgt Ion: 77 Resp: 85289  
Ion Ratio Lower Upper  
77 100  
105 104.0 84.3 124.3  
106 92.0 71.0 111.0

Manual Integrations  
APPROVED

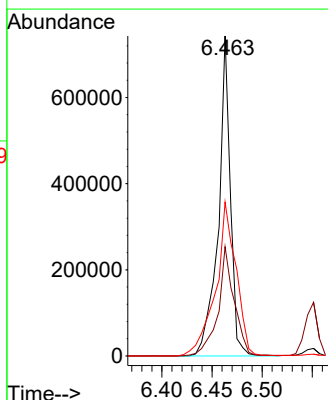
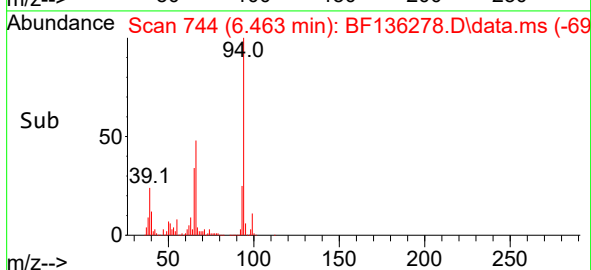
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



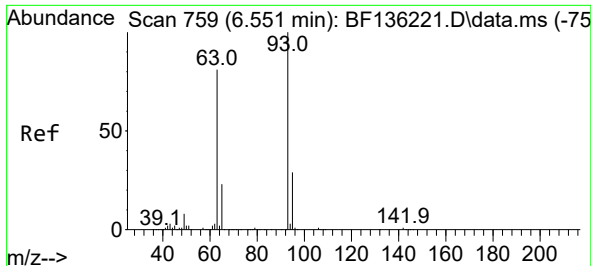
#10  
Phenol  
Concen: 43.629 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion: 94 Resp: 620881  
Ion Ratio Lower Upper  
94 100  
65 34.1 12.5 52.5  
66 48.1 24.1 64.1







#11  
bis(2-Chloroethyl)ether  
Concen: 44.808 ng  
RT: 6.551 min Scan# 759  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

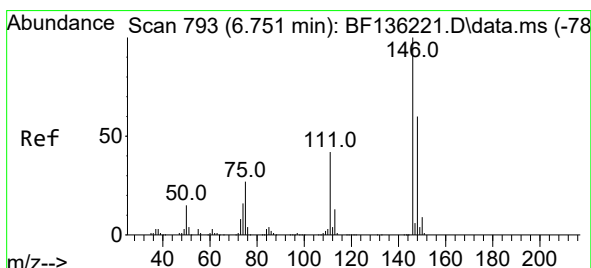
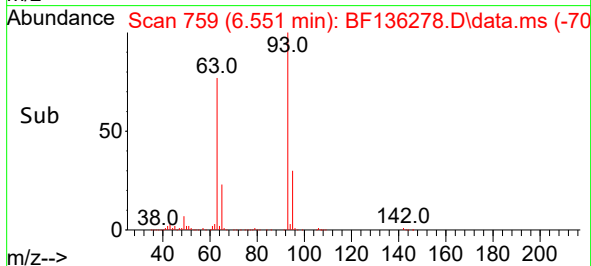
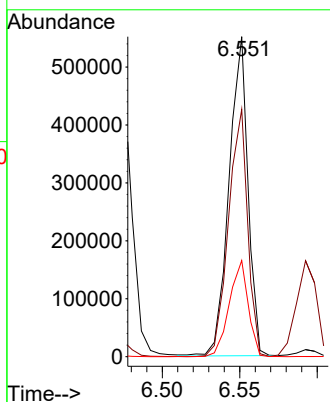
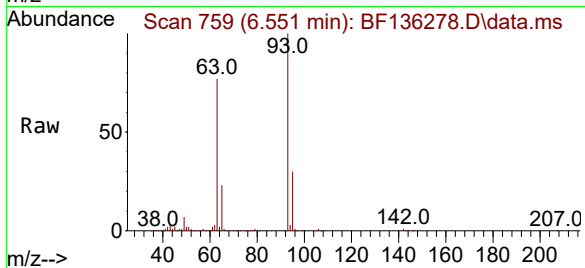
ClientSampleId :

PB157393BS

Tgt Ion: 93 Resp: 467790  
Ion Ratio Lower Upper  
93 100  
63 77.3 60.2 100.2  
95 30.1 9.1 49.1

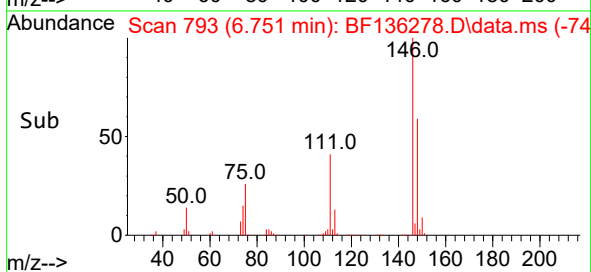
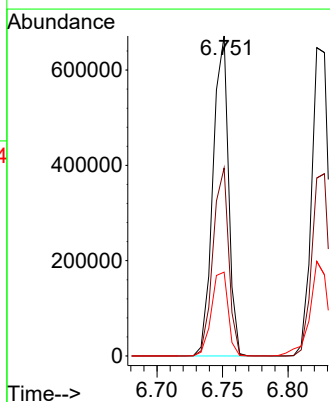
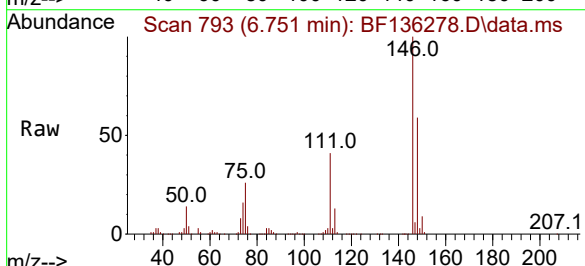
Manual Integrations  
APPROVED

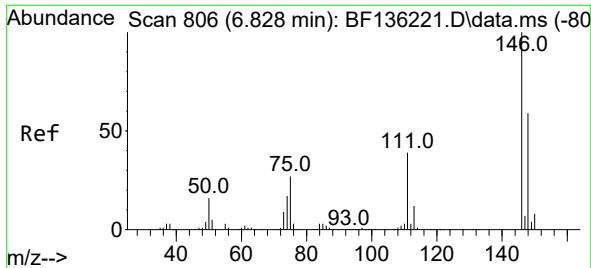
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#12  
1,3-Dichlorobenzene  
Concen: 42.222 ng  
RT: 6.751 min Scan# 793  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:146 Resp: 553491  
Ion Ratio Lower Upper  
146 100  
148 58.7 47.8 71.6  
75 26.2 22.0 33.0





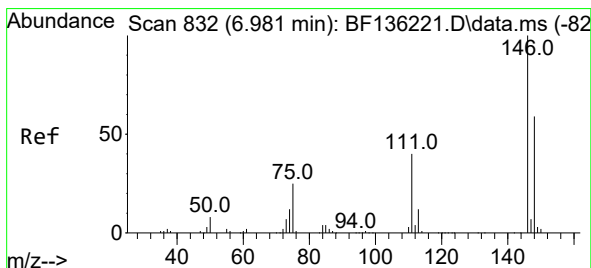
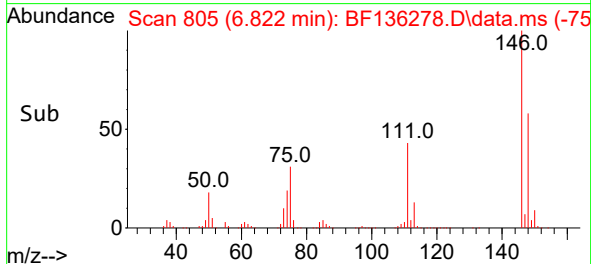
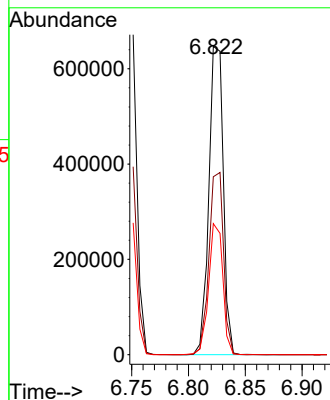
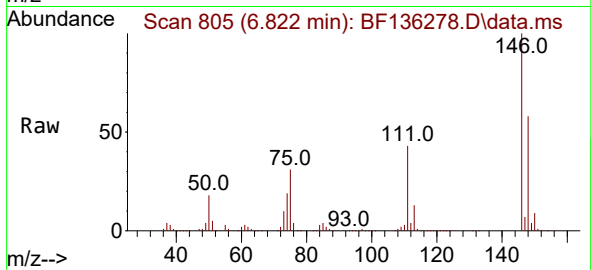
#13  
1,4-Dichlorobenzene  
Concen: 42.795 ng  
RT: 6.822 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS

Tgt Ion:146 Resp: 57030  
Ion Ratio Lower Upper  
146 100  
148 57.7 47.0 70.6  
111 42.5 31.5 47.3

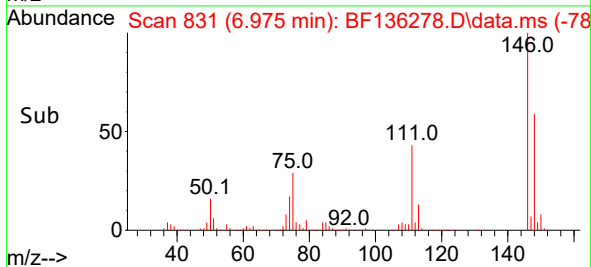
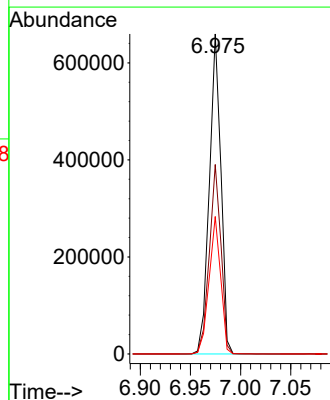
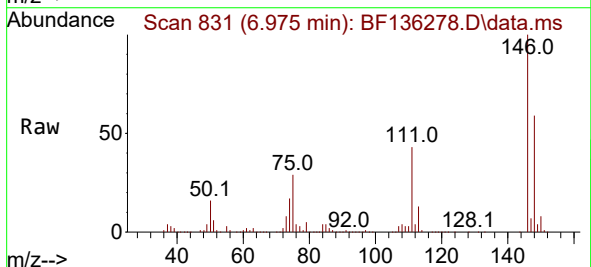
Manual Integrations  
APPROVED

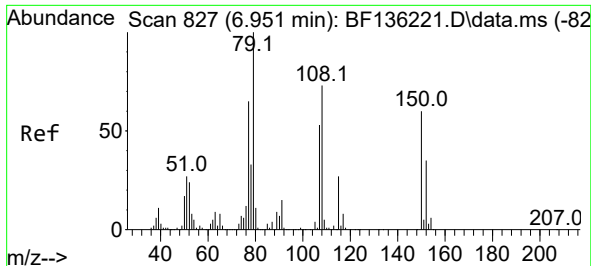
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#14  
1,2-Dichlorobenzene  
Concen: 42.067 ng  
RT: 6.975 min Scan# 831  
Delta R.T. -0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:146 Resp: 530723  
Ion Ratio Lower Upper  
146 100  
148 59.2 47.3 70.9  
111 43.0 32.4 48.6





#15  
Benzyl Alcohol  
Concen: 44.169 ng  
RT: 6.957 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

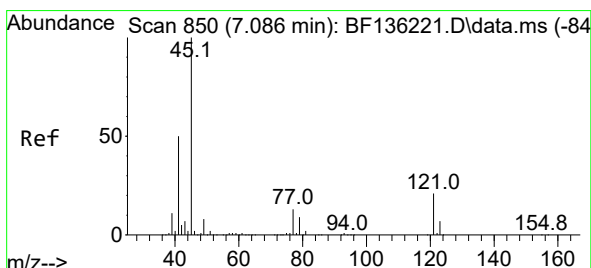
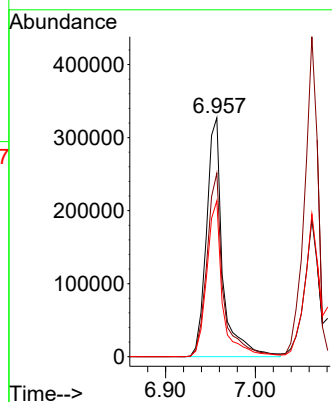
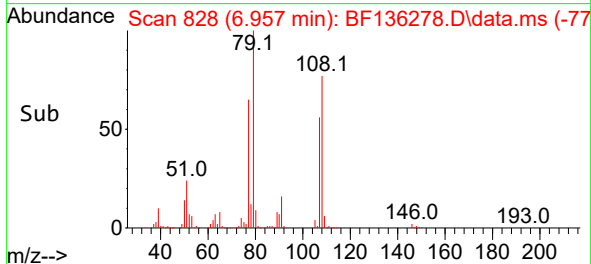
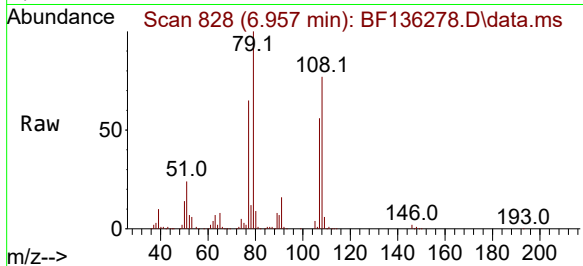
ClientSampleId :

PB157393BS

Tgt Ion: 79 Resp: 410789  
Ion Ratio Lower Upper  
79 100  
108 76.9 58.1 87.1  
77 65.2 51.8 77.8

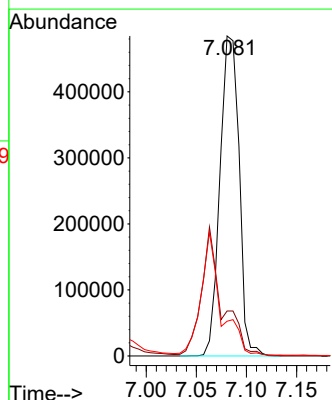
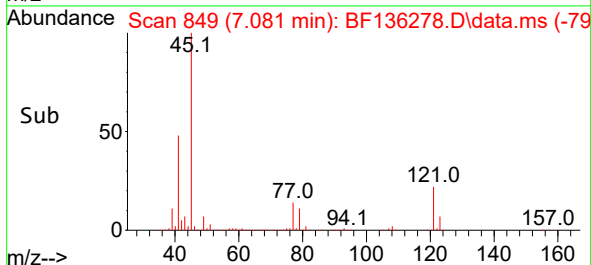
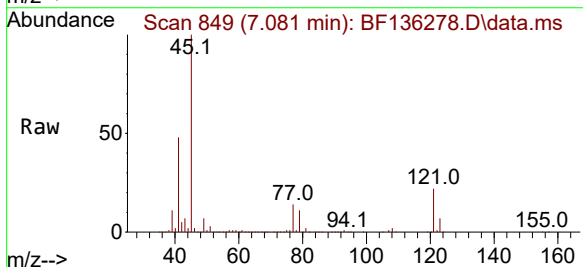
Manual Integrations  
APPROVED

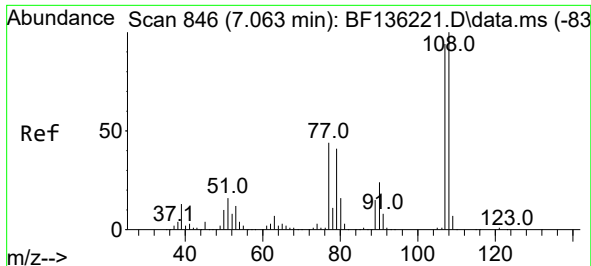
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.320 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion: 45 Resp: 642703  
Ion Ratio Lower Upper  
45 100  
77 14.1 0.0 34.0  
79 10.9 0.0 30.1





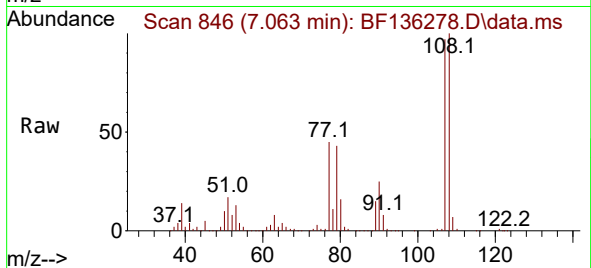
#17  
2-Methylphenol  
Concen: 45.865 ng  
RT: 7.063 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

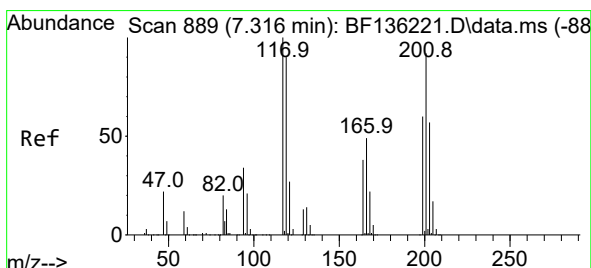
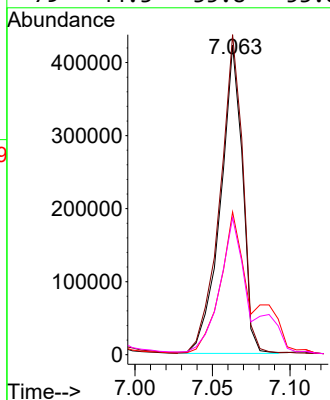
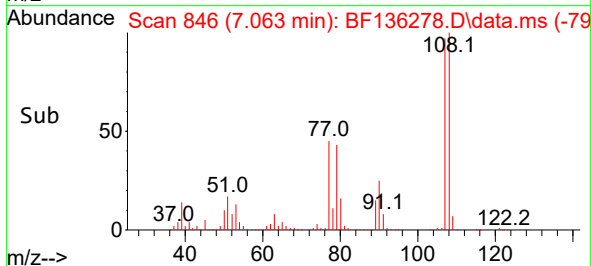


Tgt Ion:107 Resp: 416514  
Ion Ratio Lower Upper  
107 100  
108 103.4 85.4 128.0  
77 46.1 37.4 56.2  
79 44.3 35.8 53.8

Manual Integrations

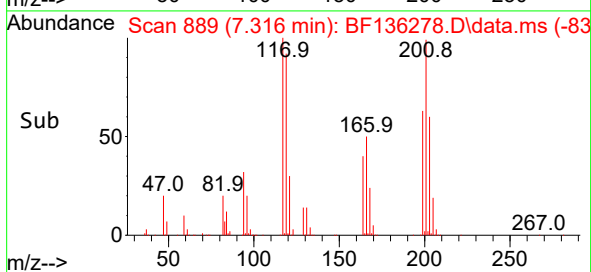
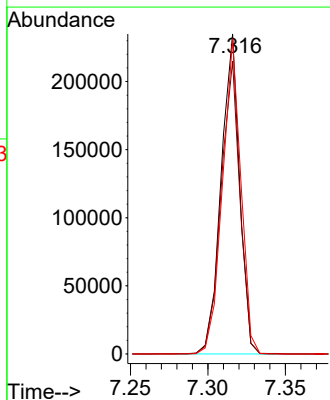
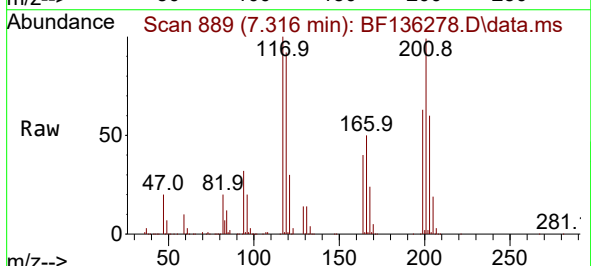
APPROVED

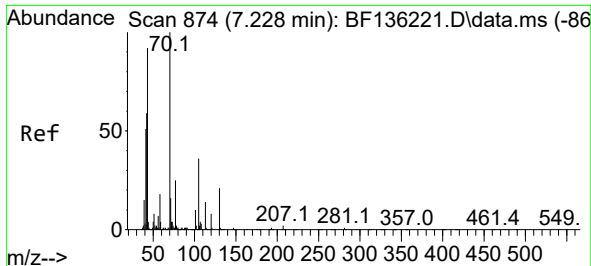
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#18  
Hexachloroethane  
Concen: 41.592 ng  
RT: 7.316 min Scan# 889  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

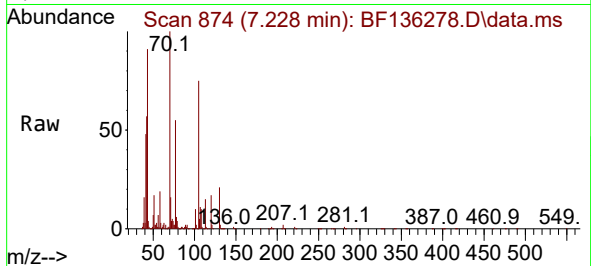
Tgt Ion:117 Resp: 194417  
Ion Ratio Lower Upper  
117 100  
119 91.5 71.6 107.4  
201 98.5 73.4 110.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 44.674 ng  
RT: 7.228 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

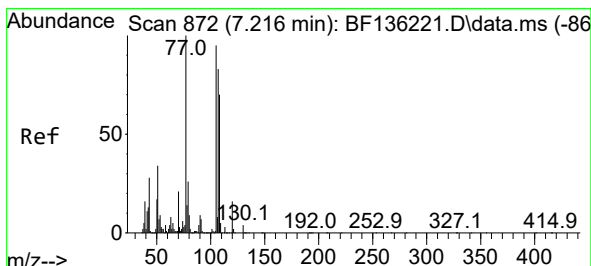
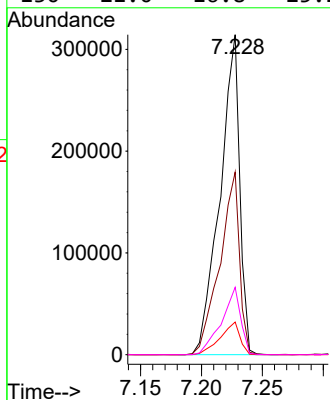
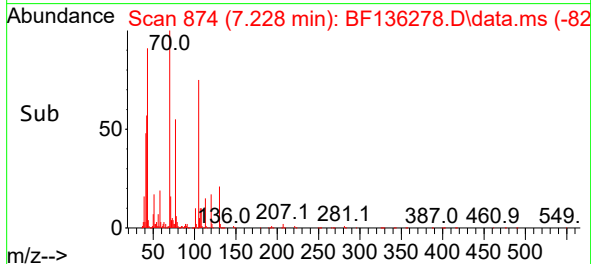
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



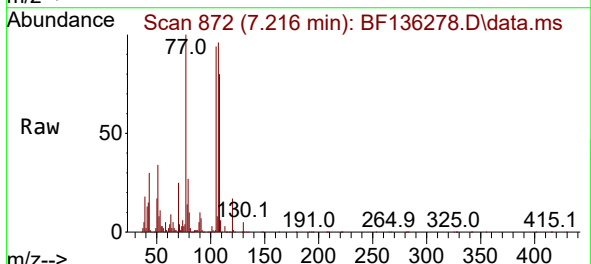
Tgt Ion: 70 Resp: 354428  
Ion Ratio Lower Upper  
70 100  
42 57.1 47.0 70.4  
101 10.2 7.8 11.8  
130 21.0 16.8 25.2

Manual Integrations  
APPROVED

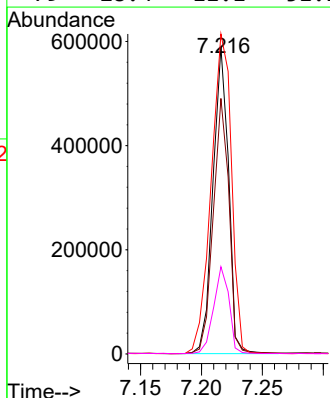
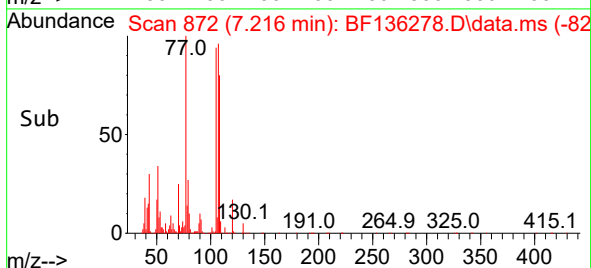
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

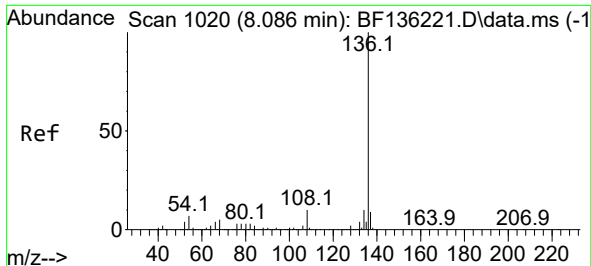


#20  
3+4-Methylphenols  
Concen: 44.247 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:107 Resp: 522232  
Ion Ratio Lower Upper  
107 100  
108 83.2 63.9 103.9  
77 104.2 100.2 140.2  
79 28.4 11.1 51.1





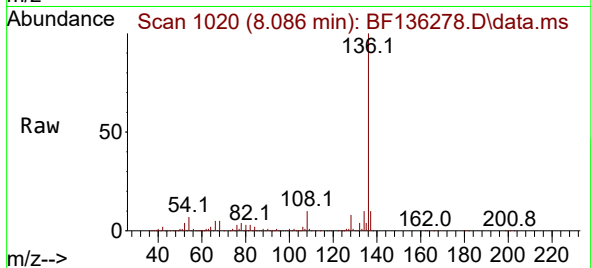
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.086 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

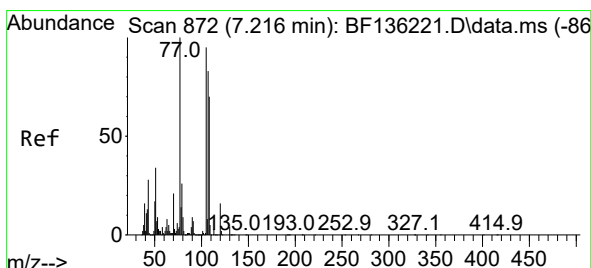
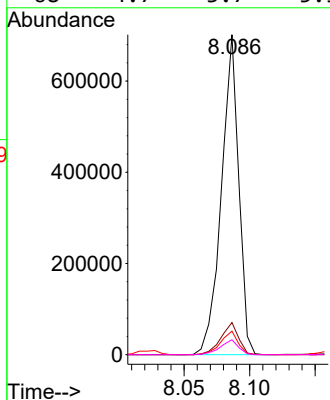
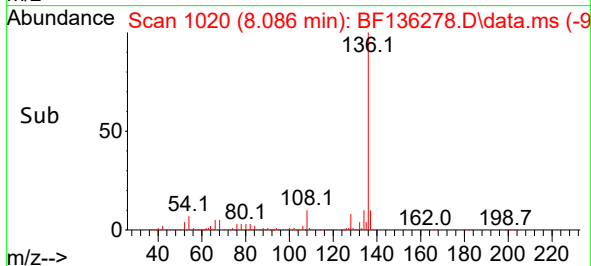


Tgt Ion:136 Resp: 64216  
Ion Ratio Lower Upper  
136 100  
137 10.0 7.4 11.2  
54 7.4 5.5 8.3  
68 4.7 3.7 5.5

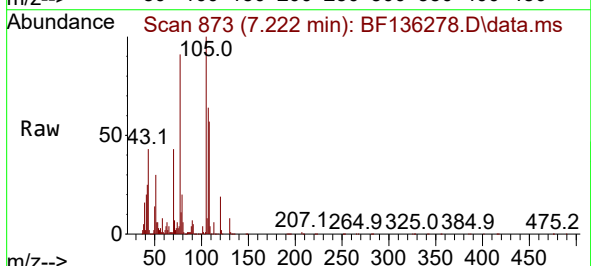
Manual Integrations

APPROVED

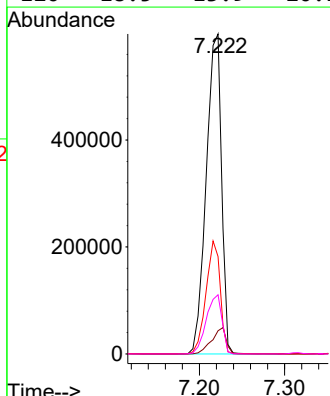
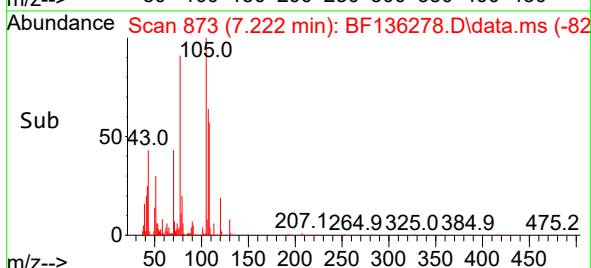
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

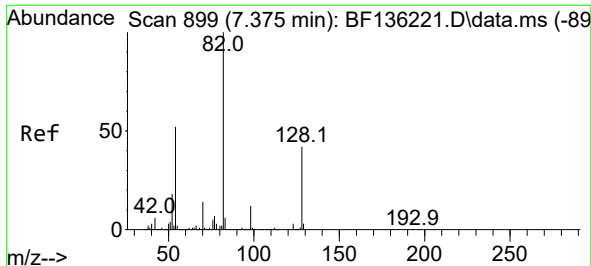


#22  
Acetophenone  
Concen: 44.406 ng  
RT: 7.222 min Scan# 873  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:105 Resp: 748918  
Ion Ratio Lower Upper  
105 100  
71 7.3 2.8 4.2#  
51 30.5 29.0 43.6  
120 18.5 13.9 20.9





#23

Nitrobenzene-d5

Concen: 84.750 ng

RT: 7.375 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

Tgt Ion: 82 Resp: 102990

Ion Ratio Lower Upper

82 100

128 43.8 33.4 50.2

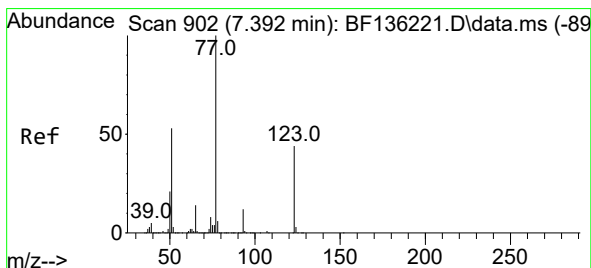
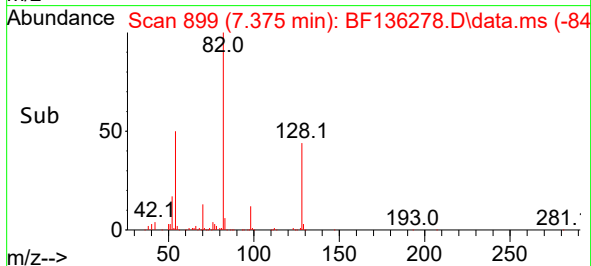
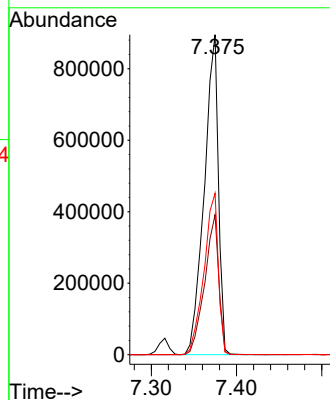
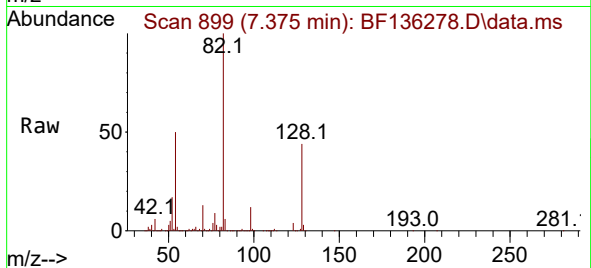
54 50.4 41.7 62.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023



#24

Nitrobenzene

Concen: 42.287 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

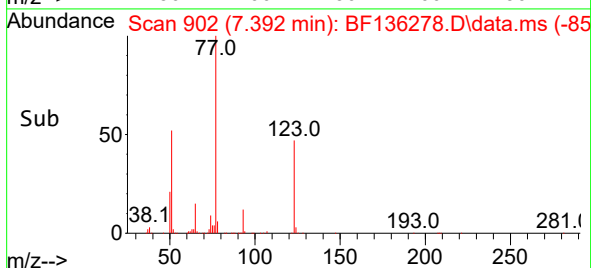
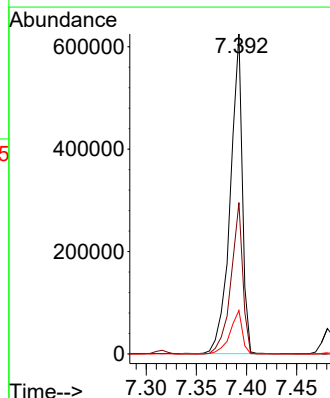
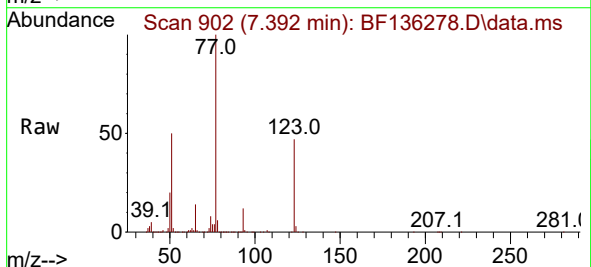
Tgt Ion: 77 Resp: 520765

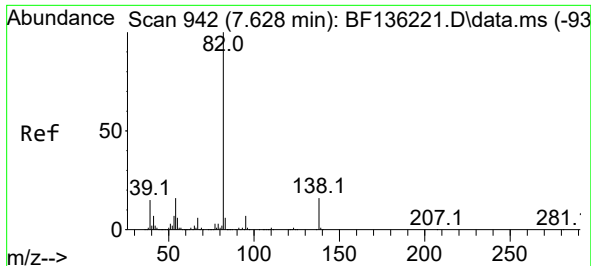
Ion Ratio Lower Upper

77 100

123 47.3 35.4 53.2

65 13.6 11.0 16.6





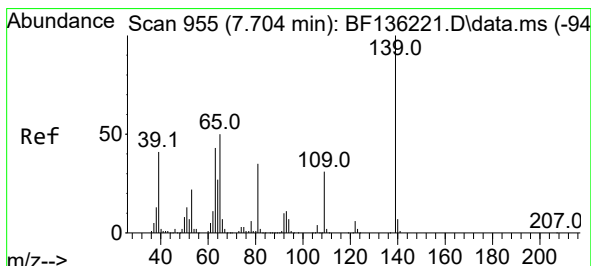
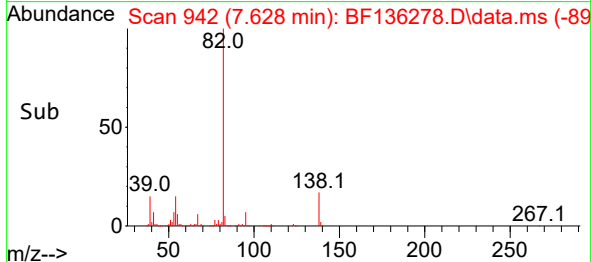
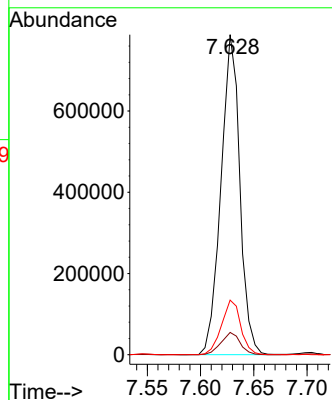
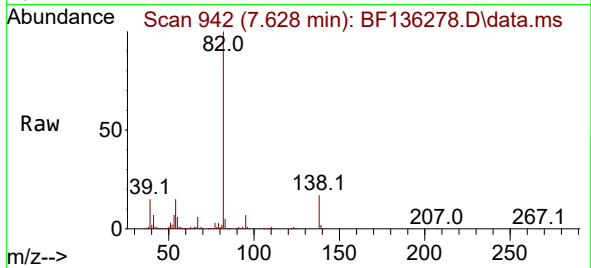
#25  
Isophorone  
Concen: 44.152 ng  
RT: 7.628 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS

Tgt Ion: 82 Resp: 967470  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.5 8.3  
138 17.1 12.8 19.2

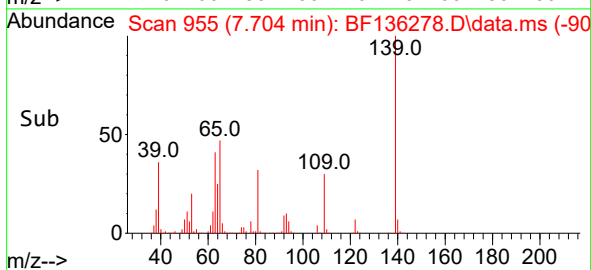
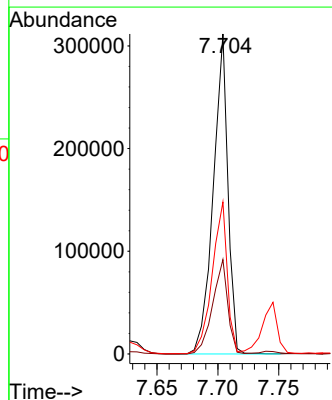
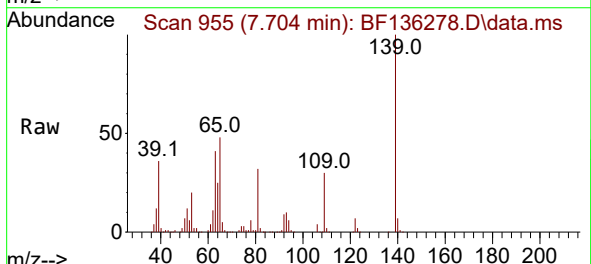
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

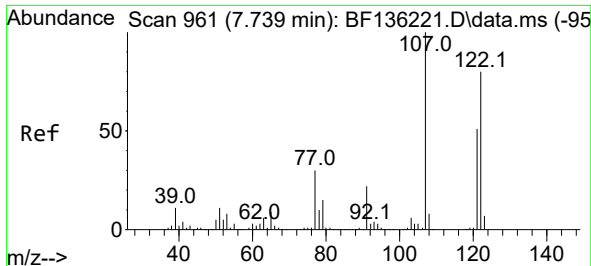


#26  
2-Nitrophenol  
Concen: 49.685 ng  
RT: 7.704 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:139 Resp: 260702  
Ion Ratio Lower Upper  
139 100  
109 29.5 25.0 37.6  
65 47.5 40.4 60.6







#27

2,4-Dimethylphenol

Concen: 63.495 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.006 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

Tgt Ion:122 Resp: 438510

Ion Ratio Lower Upper

122 100

107 125.6 100.0 150.0

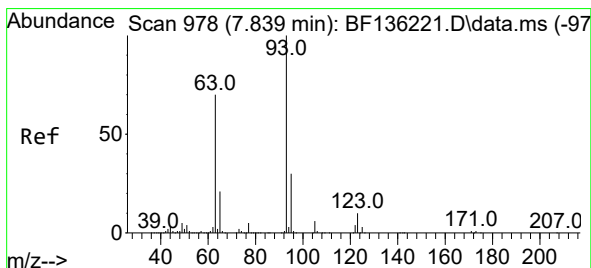
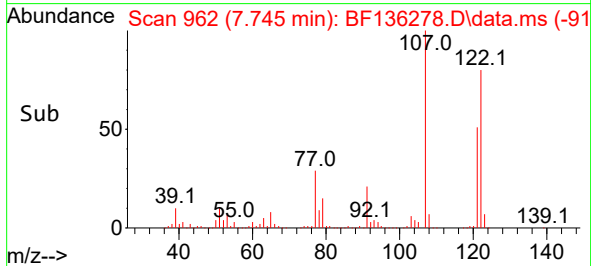
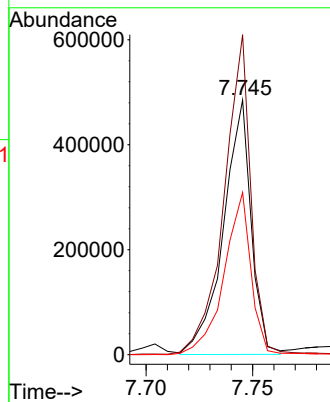
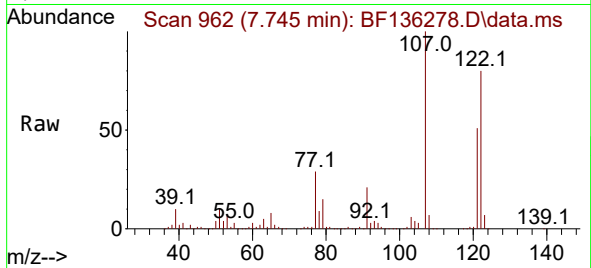
121 63.7 50.7 76.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023



#28

bis(2-Chloroethoxy)methane

Concen: 44.530 ng

RT: 7.839 min Scan# 978

Delta R.T. 0.000 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

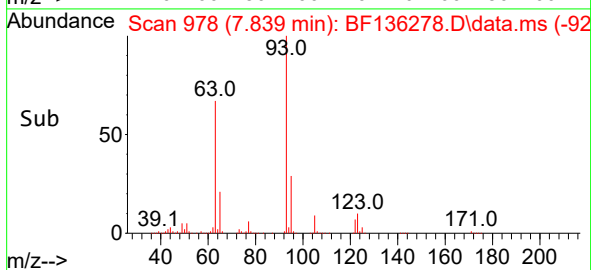
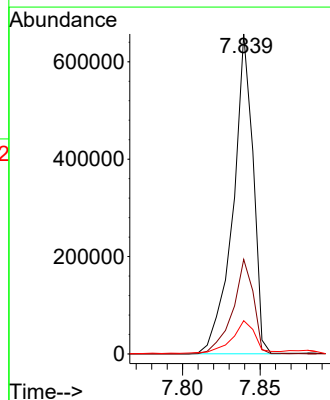
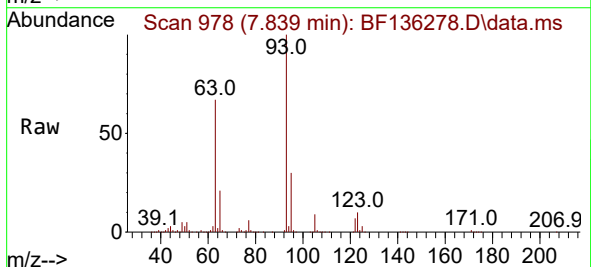
Tgt Ion: 93 Resp: 590213

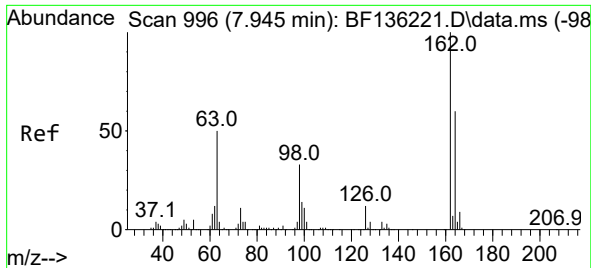
Ion Ratio Lower Upper

93 100

95 29.6 23.8 35.6

123 10.4 8.2 12.4





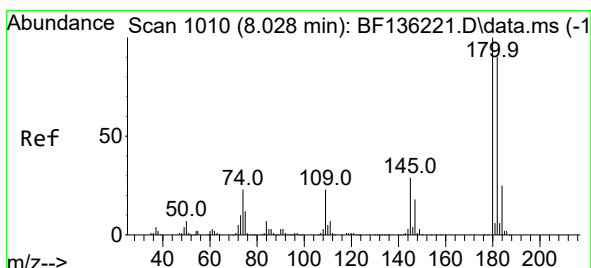
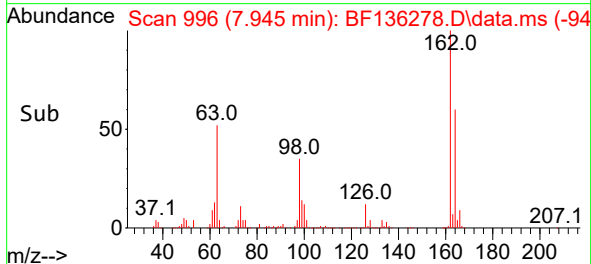
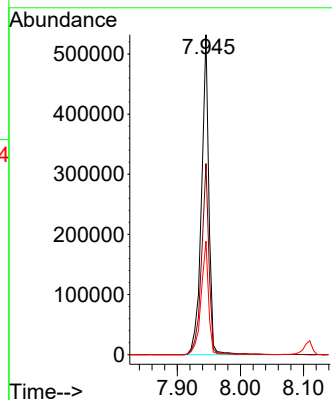
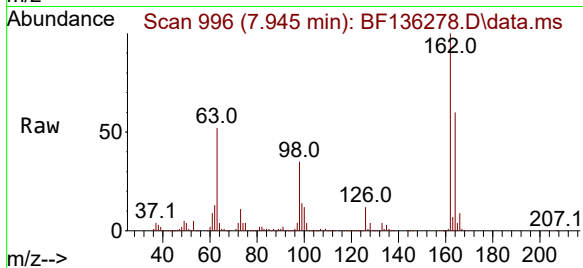
#29  
2,4-Dichlorophenol  
Concen: 46.568 ng  
RT: 7.945 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS

Tgt Ion:162 Resp: 433795  
Ion Ratio Lower Upper  
162 100  
164 59.7 40.3 80.3  
98 35.4 13.0 53.0

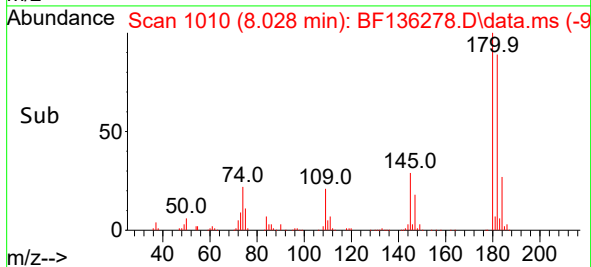
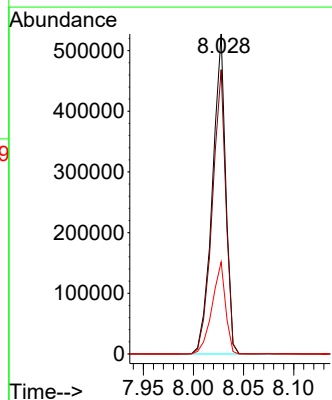
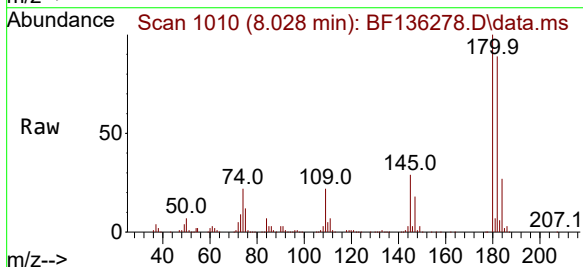
Manual Integrations  
APPROVED

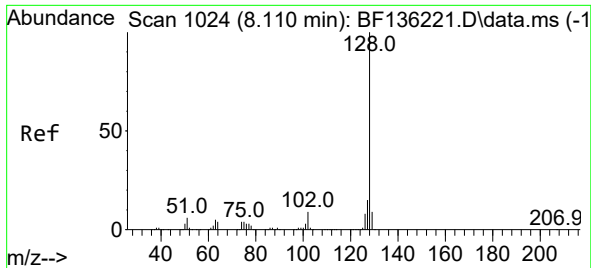
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 42.841 ng  
RT: 8.028 min Scan# 1010  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

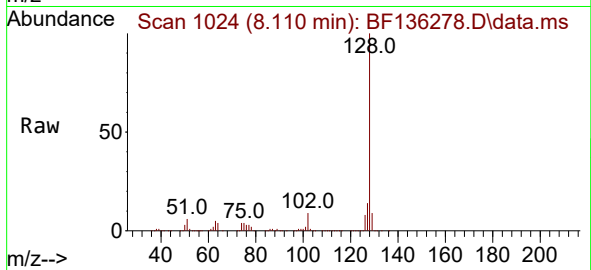
Tgt Ion:180 Resp: 488603  
Ion Ratio Lower Upper  
180 100  
182 88.8 71.6 107.4  
145 28.7 23.0 34.4





#31  
Naphthalene  
Concen: 43.634 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

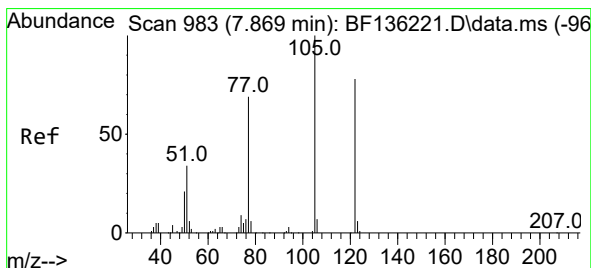
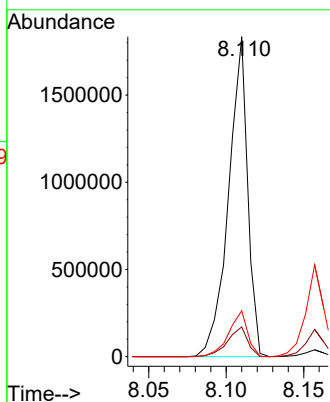
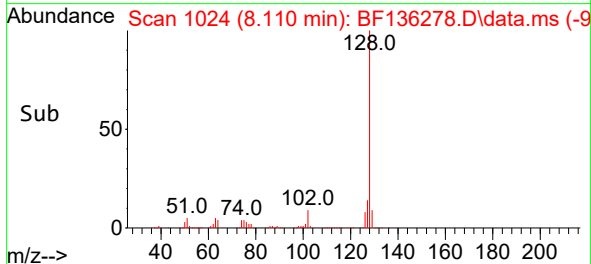
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



Tgt Ion:128 Resp: 157494  
Ion Ratio Lower Upper  
128 100  
129 9.3 7.3 10.9  
127 14.3 11.8 17.6

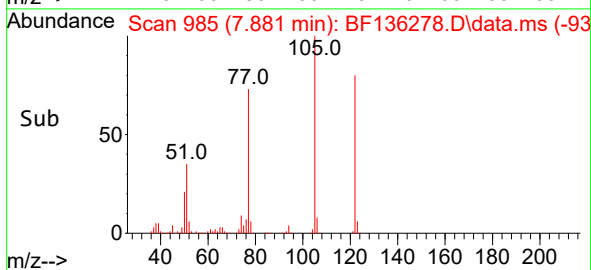
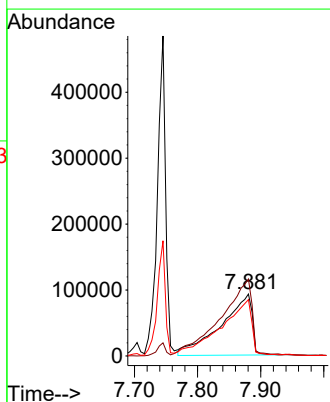
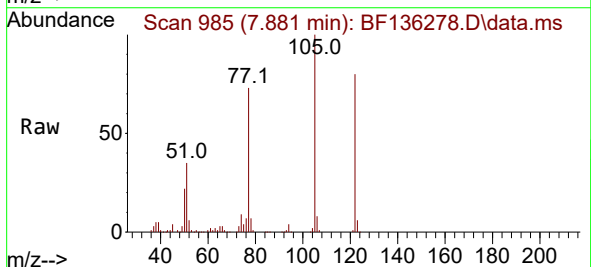
Manual Integrations  
APPROVED

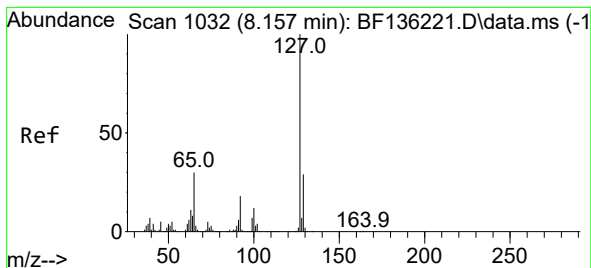
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#32  
Benzoic acid  
Concen: 50.266 ng  
RT: 7.881 min Scan# 985  
Delta R.T. 0.012 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:122 Resp: 316384  
Ion Ratio Lower Upper  
122 100  
105 124.4 103.7 143.7  
77 91.0 66.8 106.8





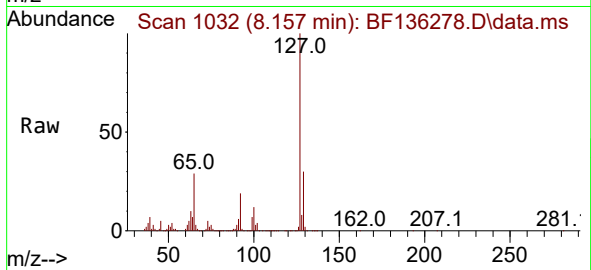
#33  
4-Chloroaniline  
Concen: 35.063 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

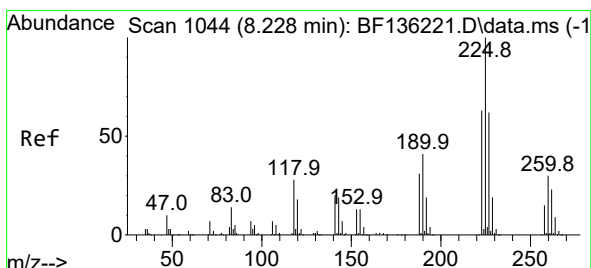
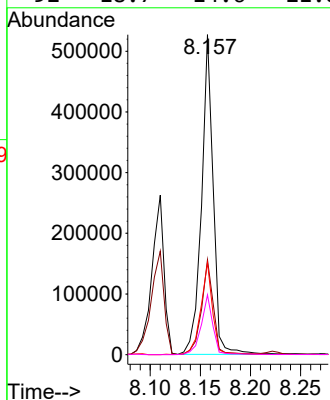
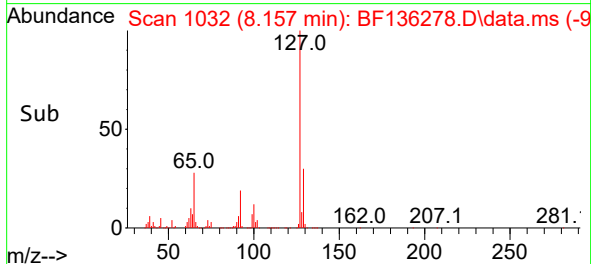


Tgt Ion:127 Resp: 430192  
Ion Ratio Lower Upper  
127 100  
129 29.7 23.4 35.2  
65 28.8 23.8 35.6  
92 18.7 14.6 21.8

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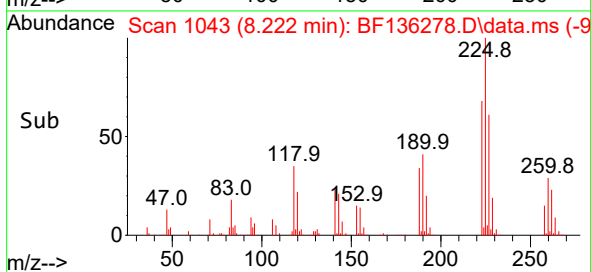
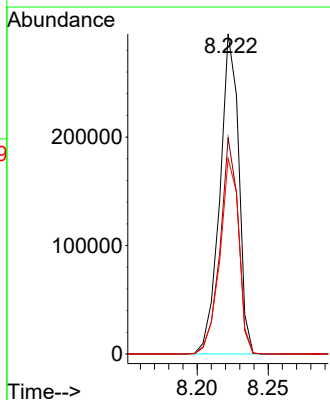
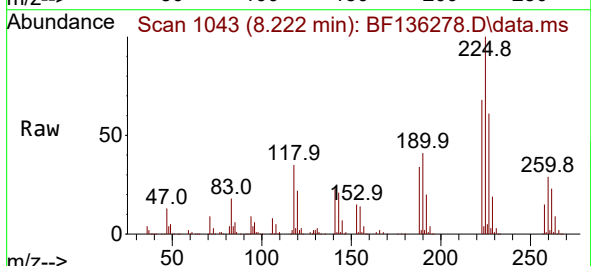
APPROVED

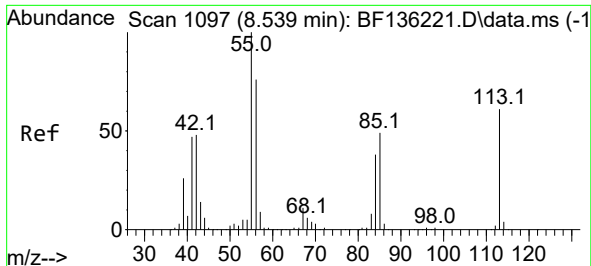
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#34  
Hexachlorobutadiene  
Concen: 40.715 ng  
RT: 8.222 min Scan# 1043  
Delta R.T. -0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

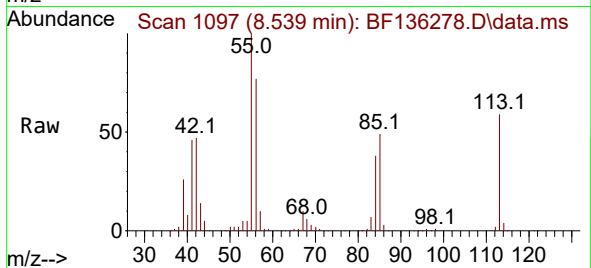
Tgt Ion:225 Resp: 271669  
Ion Ratio Lower Upper  
225 100  
223 67.5 50.6 75.8  
227 61.0 49.6 74.4





#35  
Caprolactam  
Concen: 48.798 ng m  
RT: 8.539 min Scan# 1097  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

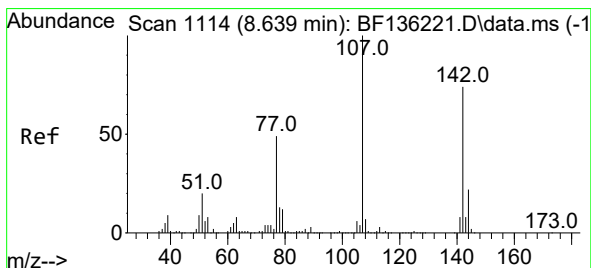
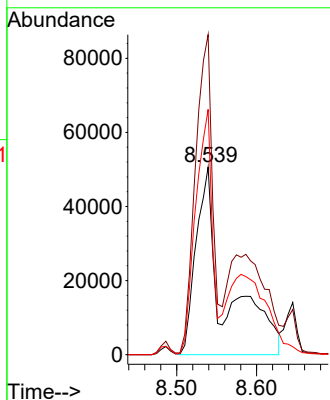
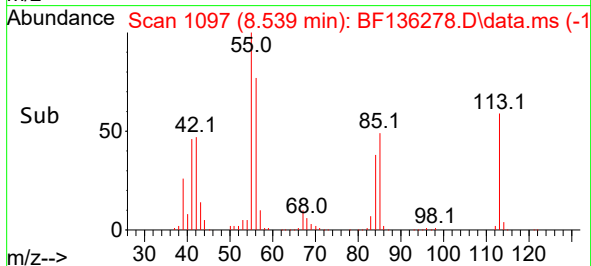
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



Tgt Ion:113 Resp: 127070  
Ion Ratio Lower Upper  
113 100  
55 170.4 143.1 183.1  
56 130.7 103.6 143.6

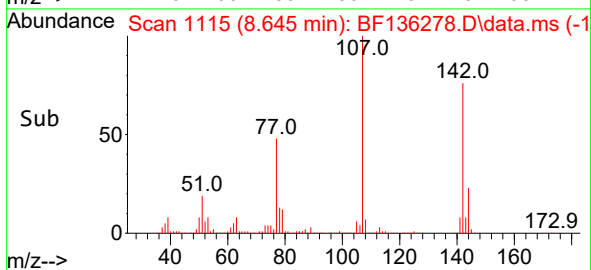
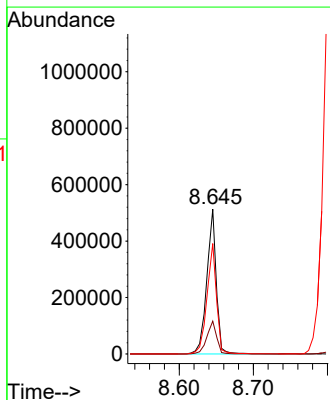
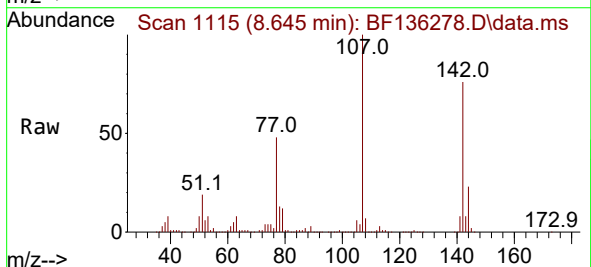
Manual Integrations  
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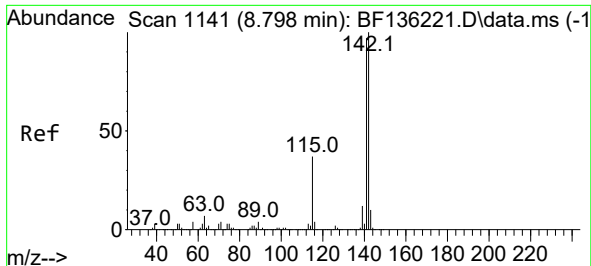
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#36  
4-Chloro-3-methylphenol  
Concen: 45.358 ng  
RT: 8.645 min Scan# 1115  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:107 Resp: 458263  
Ion Ratio Lower Upper  
107 100  
144 22.7 17.8 26.8  
142 76.2 59.4 89.0





#37  
2-Methylnaphthalene  
Concen: 43.756 ng  
RT: 8.798 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

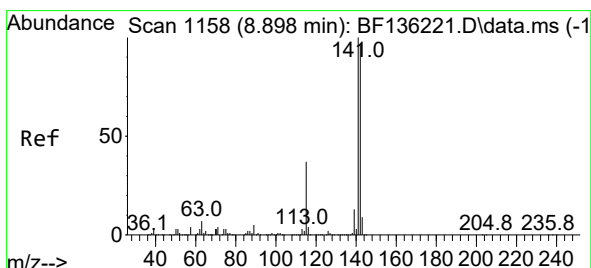
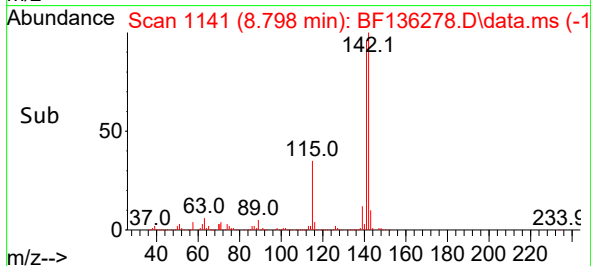
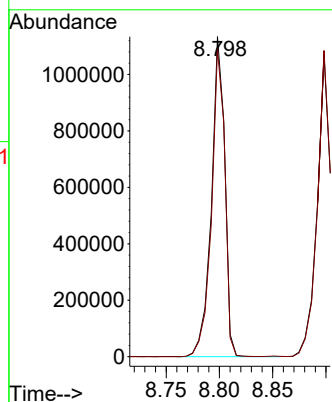
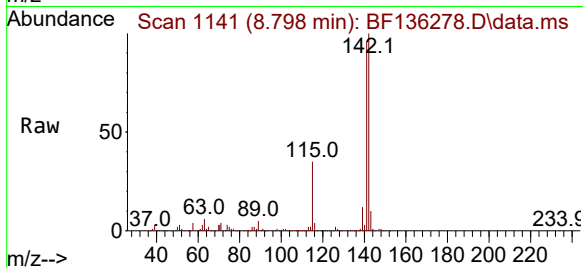
ClientSampleId :

PB157393BS

Tgt Ion:142 Resp: 990733  
Ion Ratio Lower Upper  
142 100  
141 96.2 77.8 116.8

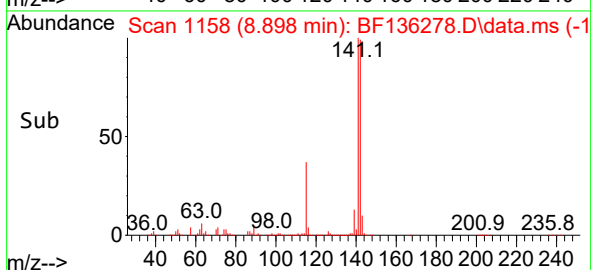
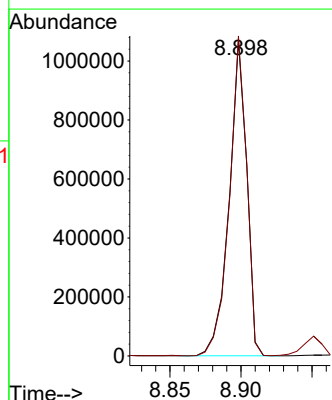
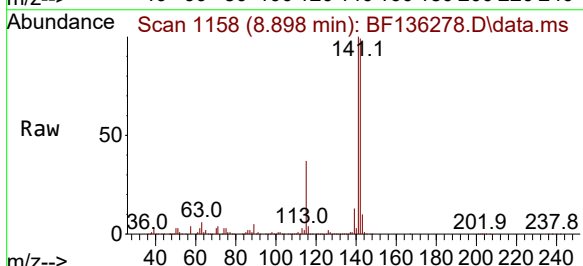
Manual Integrations  
APPROVED

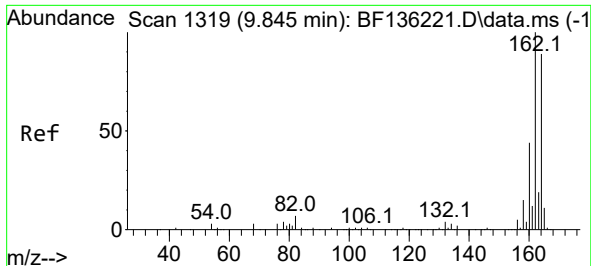
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#38  
1-Methylnaphthalene  
Concen: 41.662 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:142 Resp: 920208  
Ion Ratio Lower Upper  
142 100  
141 101.5 83.8 125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF136278.D

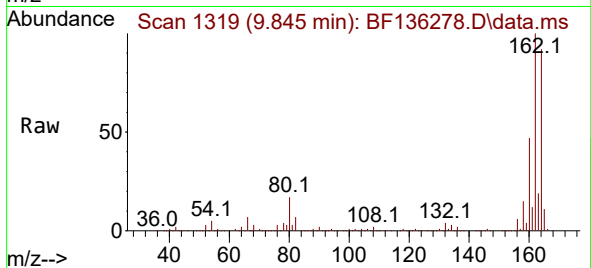
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS



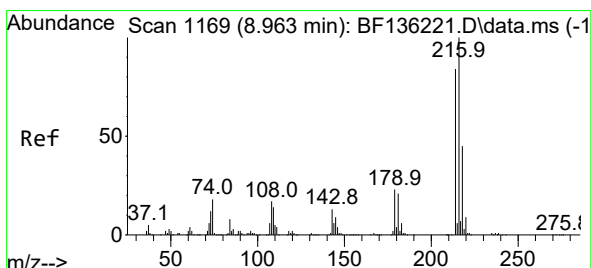
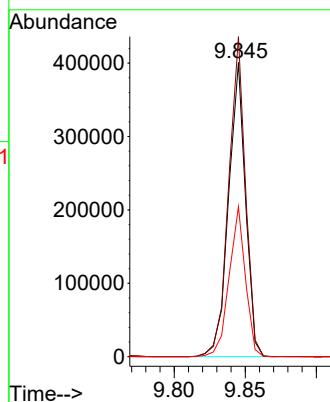
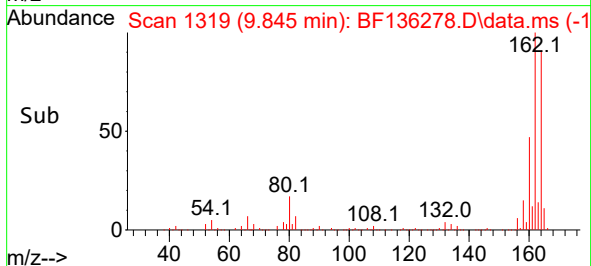
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 33169      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 108.8 | 89.5 134.3 |
| 160         | 51.0  | 39.6 59.4  |

Manual Integrations

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Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023



#40

1,2,4,5-Tetrachlorobenzene

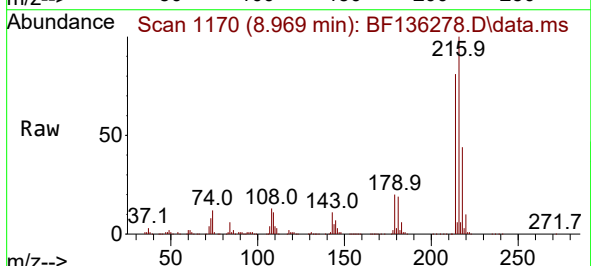
Concen: 44.422 ng

RT: 8.969 min Scan# 1170

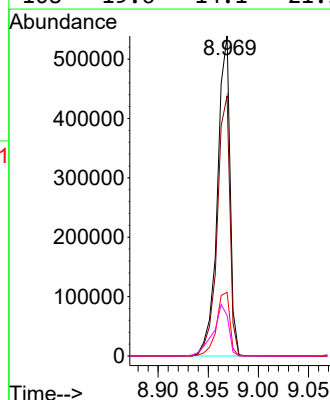
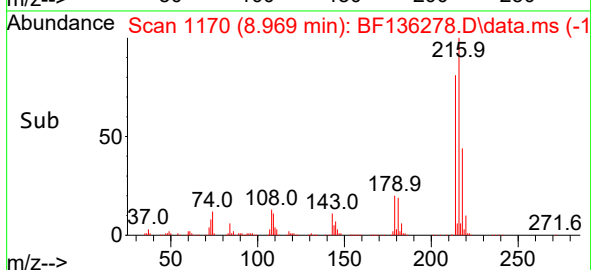
Delta R.T. 0.006 min

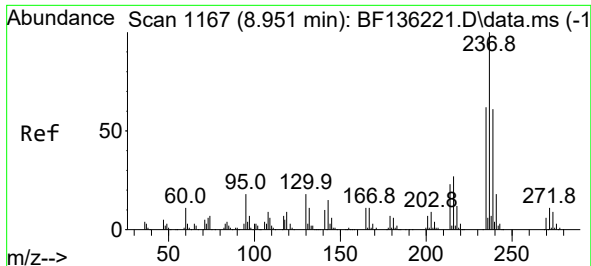
Lab File: BF136278.D

Acq: 29 Nov 2023 12:18



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 468931    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 82.0  | 65.8 98.8 |
| 179         | 21.1  | 17.4 26.0 |
| 108         | 19.6  | 14.1 21.1 |





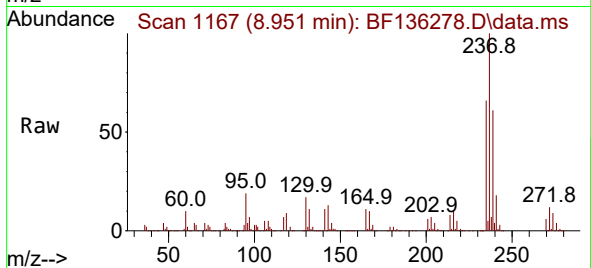
#41  
Hexachlorocyclopentadiene  
Concen: 130.764 ng  
RT: 8.951 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

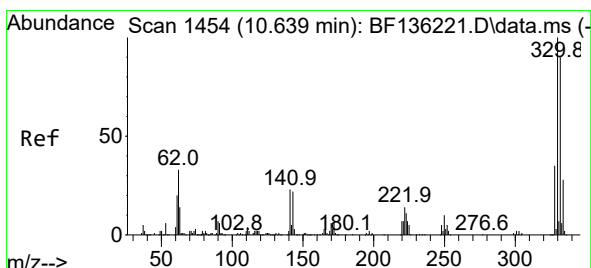
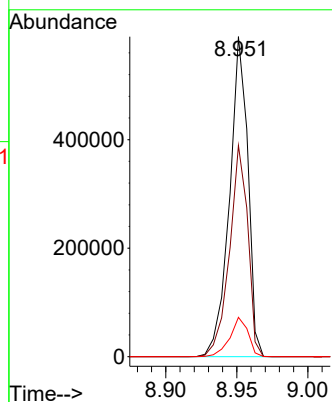
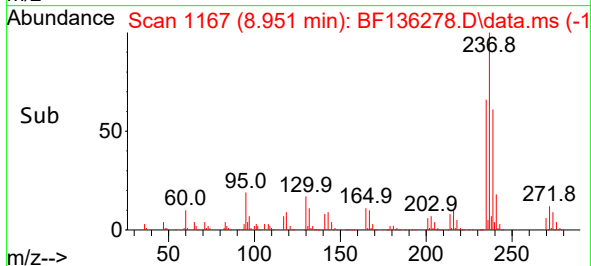


Tgt Ion:237 Resp: 531144  
Ion Ratio Lower Upper  
237 100  
235 66.0 42.1 82.1  
272 12.3 0.0 31.0

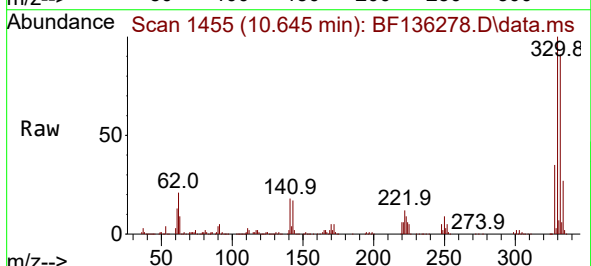
Manual Integrations

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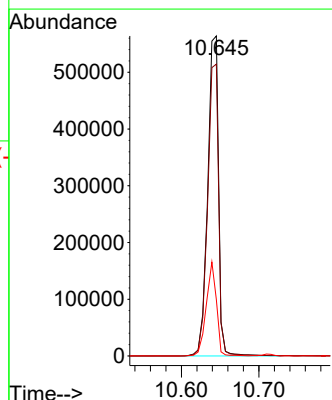
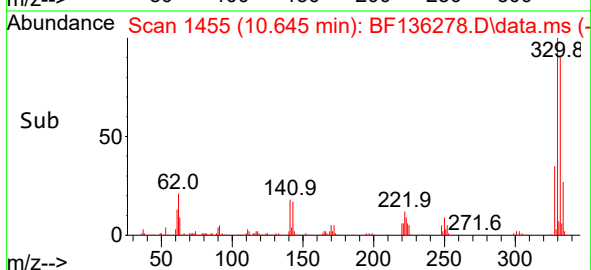
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



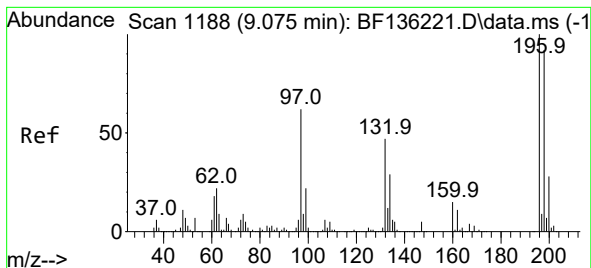
#42  
2,4,6-Tribromophenol  
Concen: 135.576 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:330 Resp: 549791  
Ion Ratio Lower Upper  
330 100  
332 92.4 73.0 109.6  
141 27.6 24.2 36.2

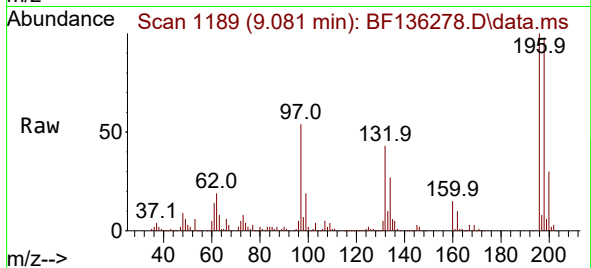






#43  
2,4,6-Trichlorophenol  
Concen: 45.102 ng  
RT: 9.081 min Scan# 1188  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

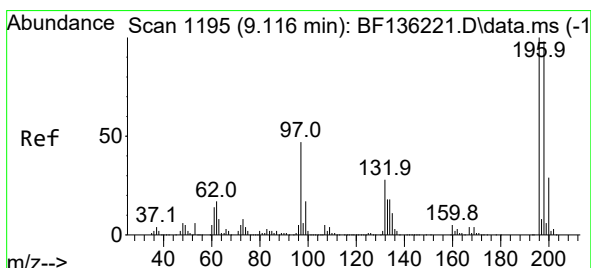
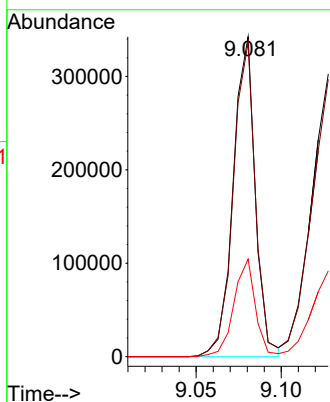
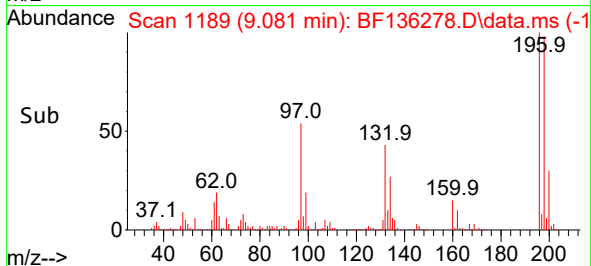
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



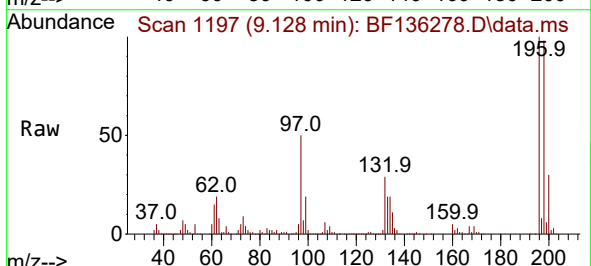
Tgt Ion:196 Resp: 30902  
Ion Ratio Lower Upper  
196 100  
198 98.2 73.2 109.8  
200 30.5 22.4 33.6

Manual Integrations  
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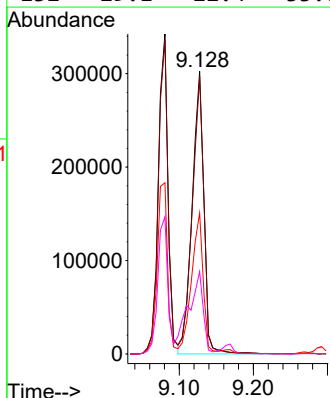
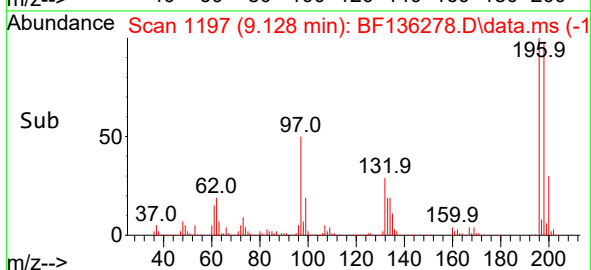
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

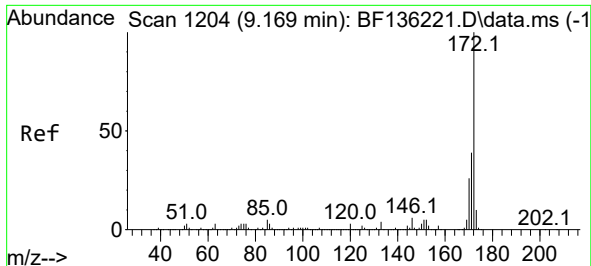


#44  
2,4,5-Trichlorophenol  
Concen: 44.456 ng  
RT: 9.128 min Scan# 1197  
Delta R.T. 0.012 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:196 Resp: 332407  
Ion Ratio Lower Upper  
196 100  
198 98.2 78.8 118.2  
97 49.9 37.8 56.8  
132 29.1 22.4 33.6





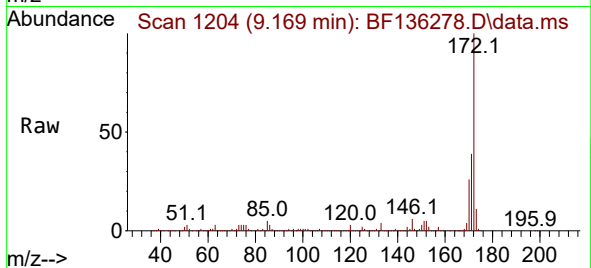
#45  
2-Fluorobiphenyl  
Concen: 83.479 ng  
RT: 9.169 min Scan# 1204  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

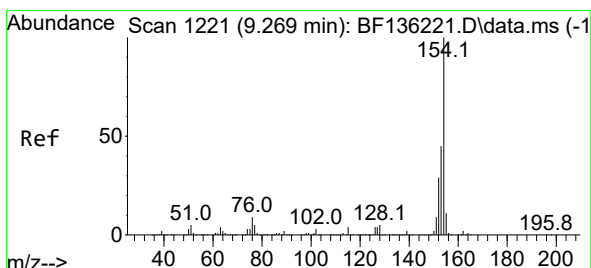
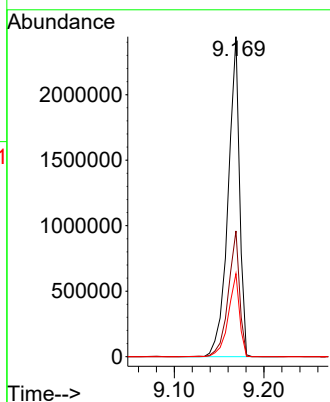
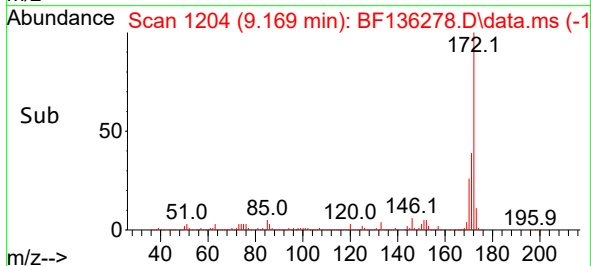


Tgt Ion:172 Resp: 216780  
Ion Ratio Lower Upper  
172 100  
171 39.3 31.5 47.3  
170 26.0 20.8 31.2

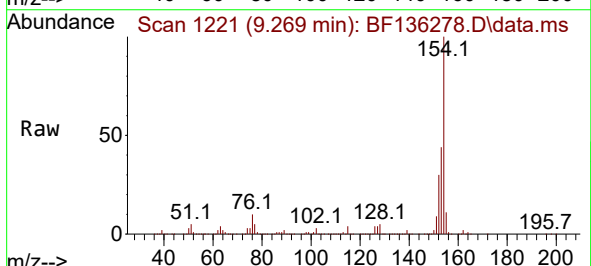
Manual Integrations

APPROVED

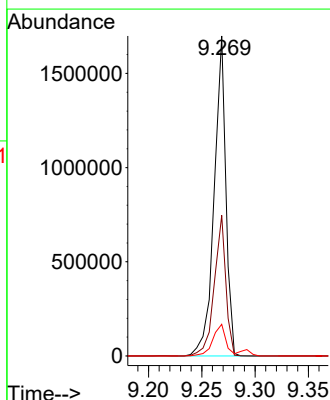
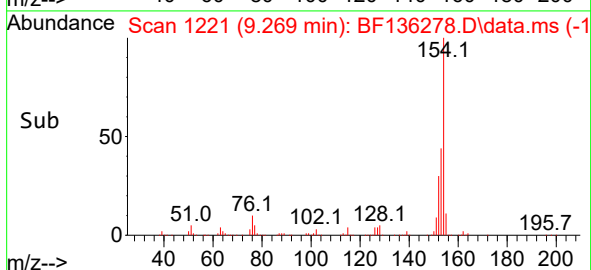
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

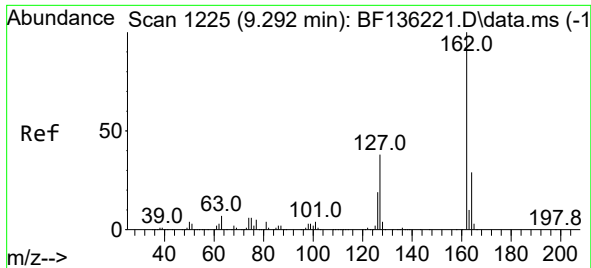


#46  
1,1'-Biphenyl  
Concen: 44.286 ng  
RT: 9.269 min Scan# 1221  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:154 Resp: 1295390  
Ion Ratio Lower Upper  
154 100  
153 44.0 24.6 64.6  
76 9.9 0.0 29.4





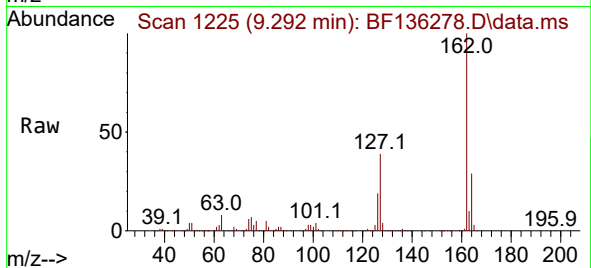
#47  
2-Chloronaphthalene  
Concen: 42.655 ng  
RT: 9.292 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS



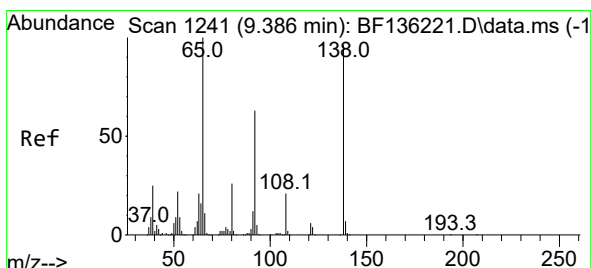
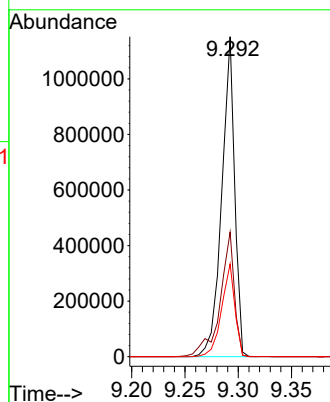
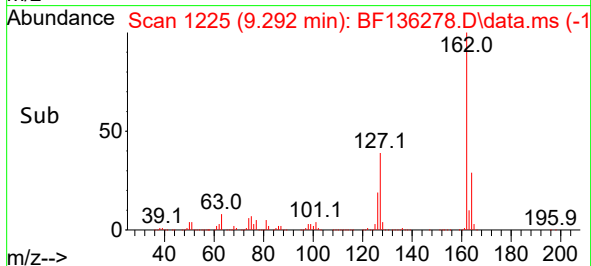
Tgt Ion:162 Resp: 96892  
Ion Ratio Lower Upper  
162 100  
127 39.0 30.2 45.2  
164 29.0 22.8 34.2

Manual Integrations

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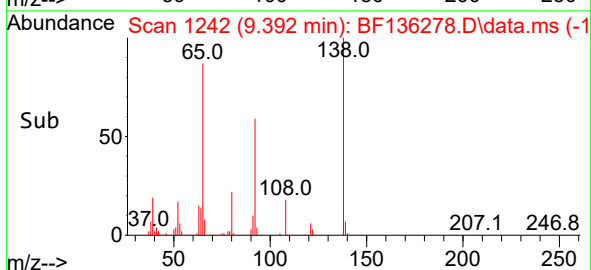
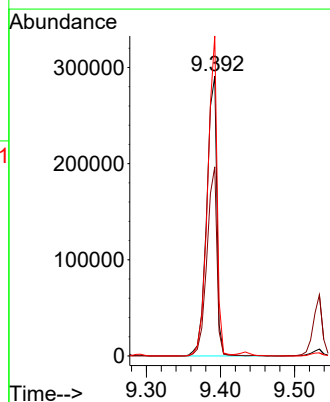
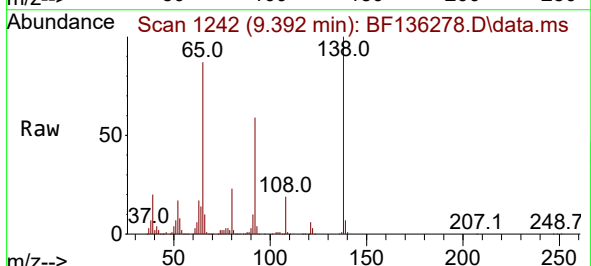
Reviewed By :Yogesh Patel 11/30/2023

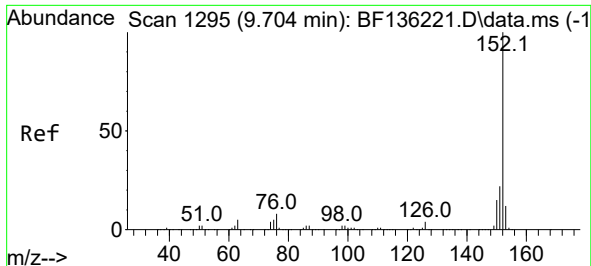
Supervised By :mohammad ahmed 12/01/2023



#48  
2-Nitroaniline  
Concen: 46.877 ng  
RT: 9.392 min Scan# 1242  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion: 65 Resp: 278007  
Ion Ratio Lower Upper  
65 100  
92 67.6 50.6 75.8  
138 114.4 76.7 115.1





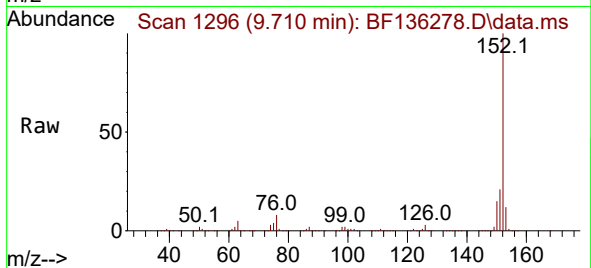
#49  
Acenaphthylene  
Concen: 45.836 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS



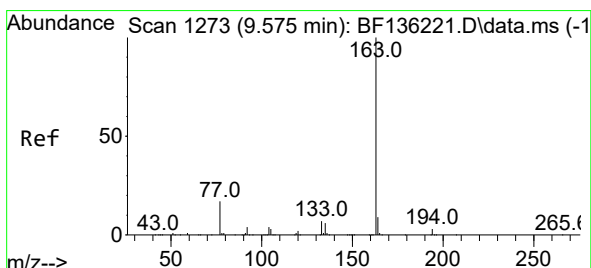
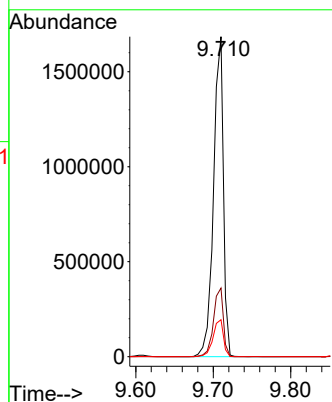
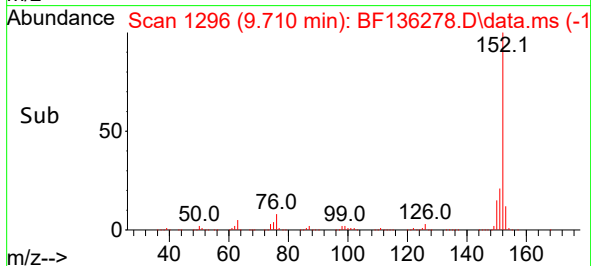
Tgt Ion:152 Resp: 148583  
Ion Ratio Lower Upper  
152 100  
151 21.5 17.5 26.3  
153 11.6 9.6 14.4

Manual Integrations

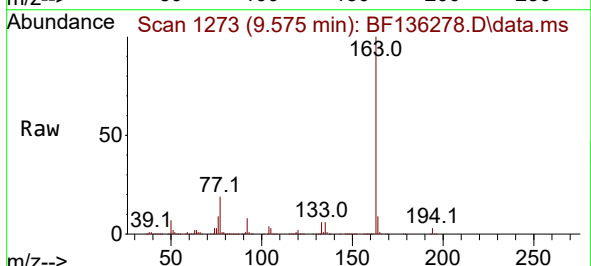
APPROVED

Reviewed By :Yogesh Patel 11/30/2023

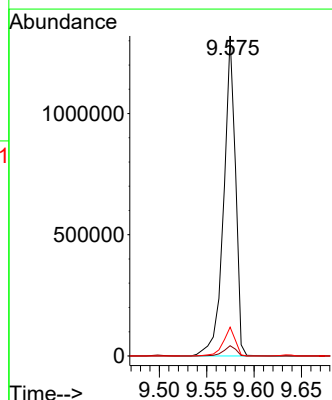
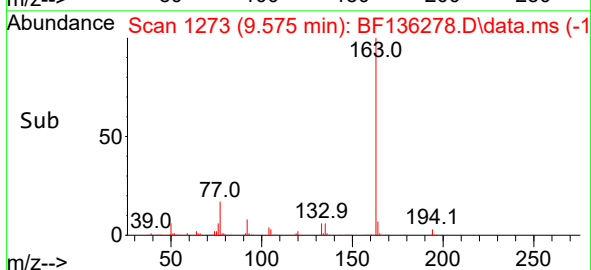
Supervised By :mohammad ahmed 12/01/2023

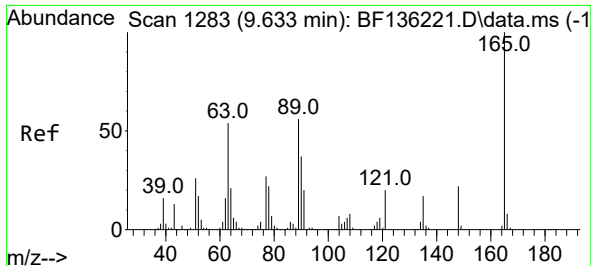


#50  
Dimethylphthalate  
Concen: 45.565 ng  
RT: 9.575 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:163 Resp: 1142323  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.5 3.7  
164 9.0 7.0 10.6





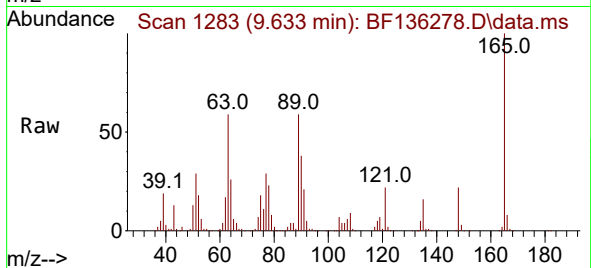
#51  
2,6-Dinitrotoluene  
Concen: 45.746 ng  
RT: 9.633 min Scan# 1283  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

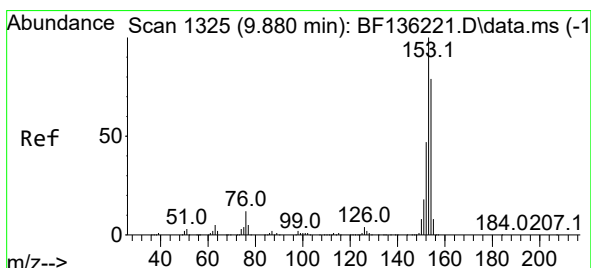
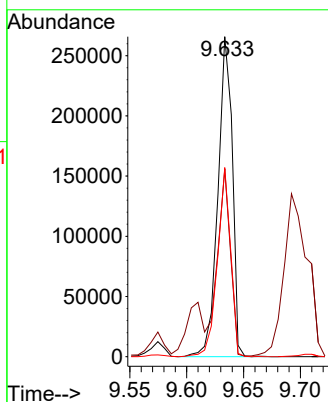
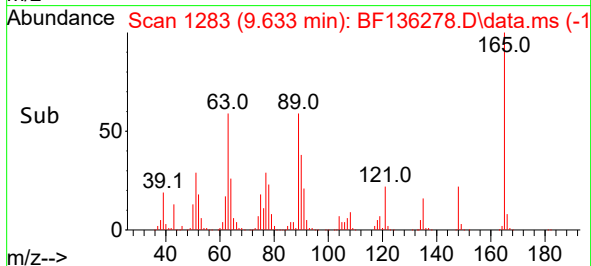


Tgt Ion:165 Resp: 234292  
Ion Ratio Lower Upper  
165 100  
63 58.7 46.2 69.2  
89 59.1 44.9 67.3

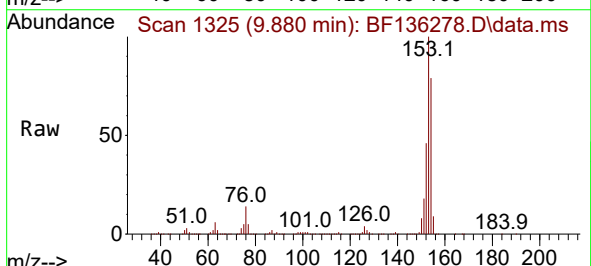
Manual Integrations

APPROVED

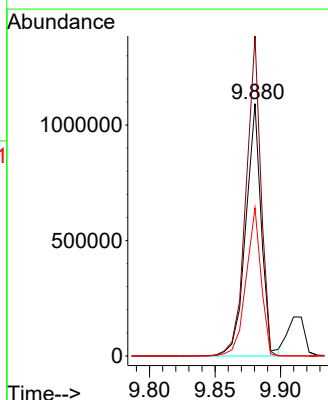
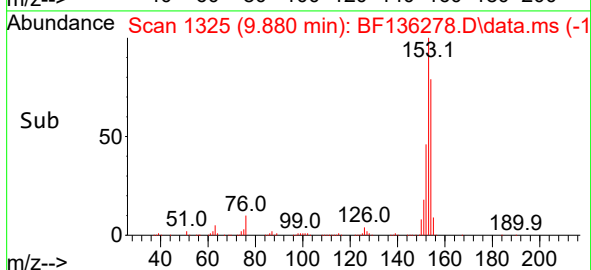
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

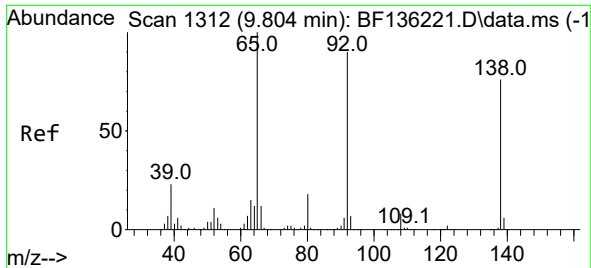


#52  
Acenaphthene  
Concen: 44.011 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:154 Resp: 901592  
Ion Ratio Lower Upper  
154 100  
153 126.9 100.8 151.2  
152 58.8 47.0 70.6





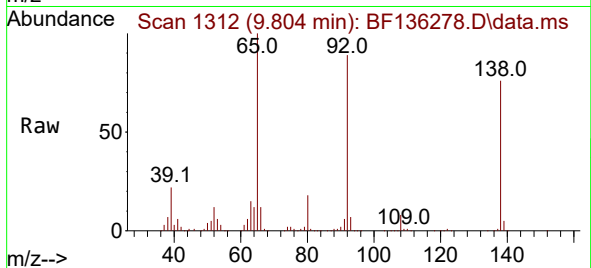
#53  
3-Nitroaniline  
Concen: 38.822 ng  
RT: 9.804 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

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ClientSampleId :

PB157393BS



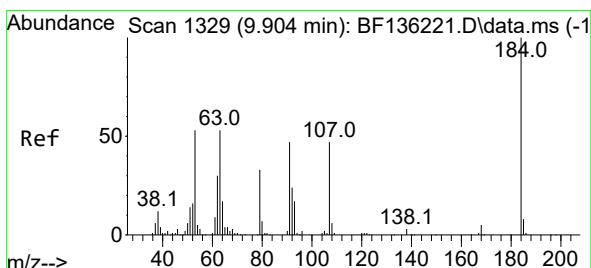
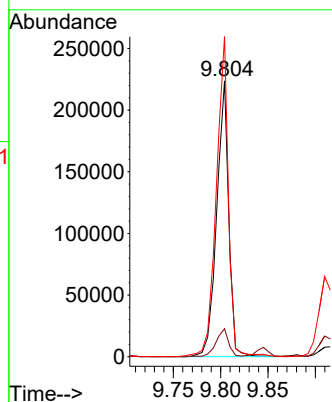
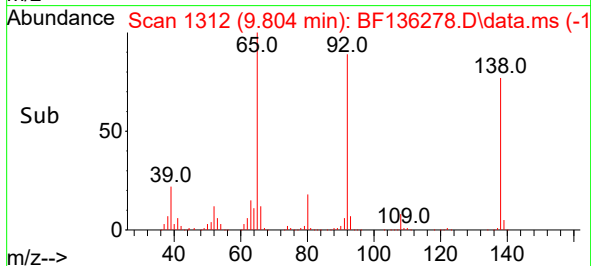
Tgt Ion:138 Resp: 19728  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.7 13.1  
92 116.0 94.2 141.4

Manual Integrations

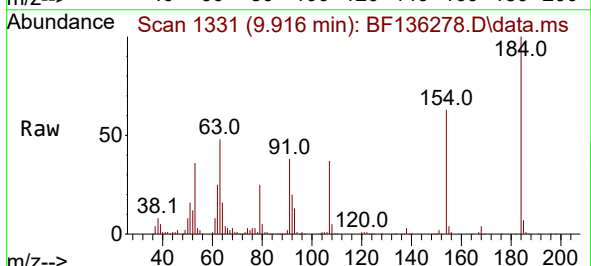
APPROVED

Reviewed By :Yogesh Patel 11/30/2023

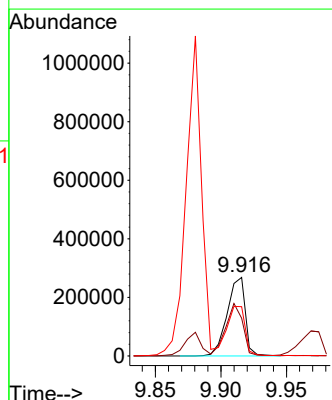
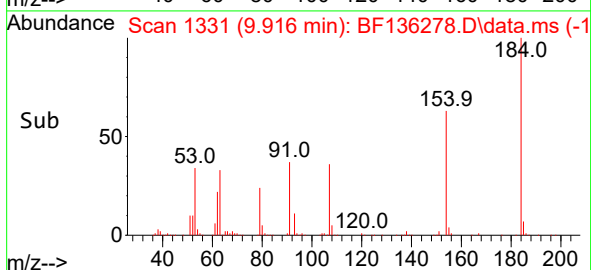
Supervised By :mohammad ahmed 12/01/2023

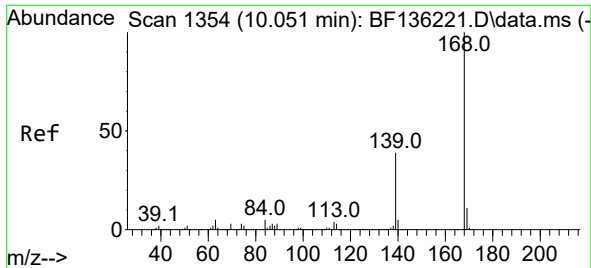


#54  
2,4-Dinitrophenol  
Concen: 108.411 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.012 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:184 Resp: 258235  
Ion Ratio Lower Upper  
184 100  
63 48.0 55.0 82.4#  
154 62.7 54.9 82.3





#55  
Dibenzenofuran  
Concen: 44.651 ng  
RT: 10.051 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

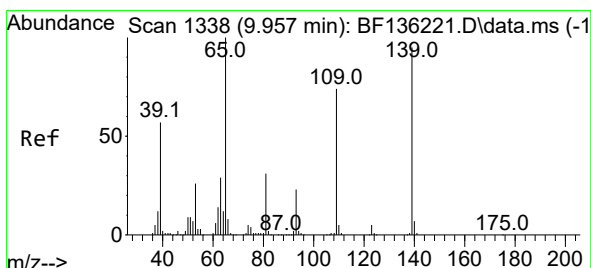
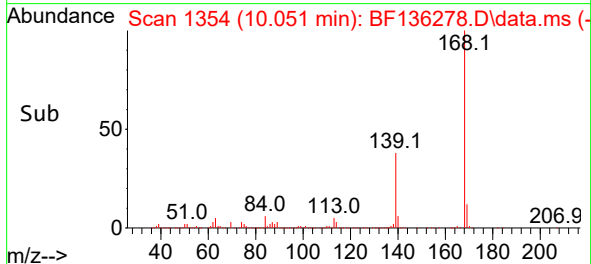
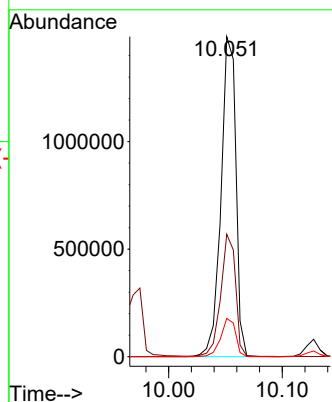
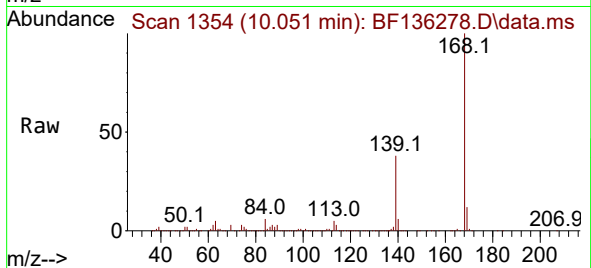
ClientSampleId :

PB157393BS

Tgt Ion:168 Resp: 136108  
Ion Ratio Lower Upper  
168 100  
139 38.2 30.9 46.3  
169 11.9 9.1 13.7

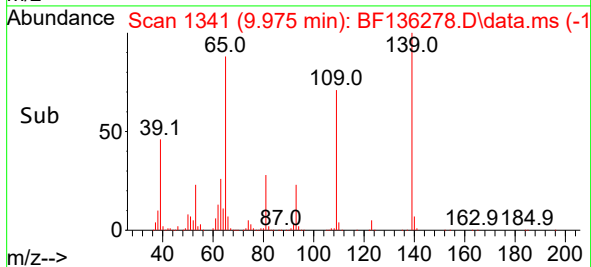
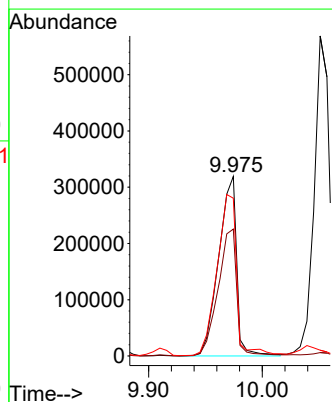
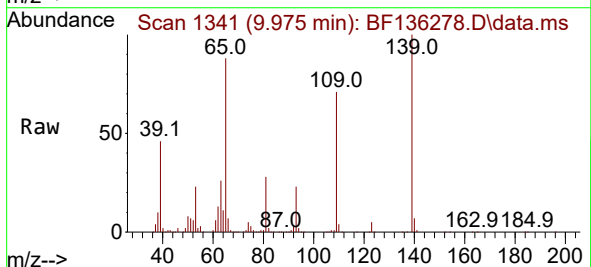
Manual Integrations  
APPROVED

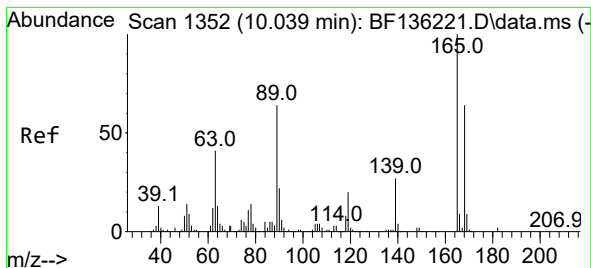
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#56  
4-Nitrophenol  
Concen: 91.605 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.018 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:139 Resp: 353563  
Ion Ratio Lower Upper  
139 100  
109 70.7 57.8 97.8  
65 87.9 86.0 126.0





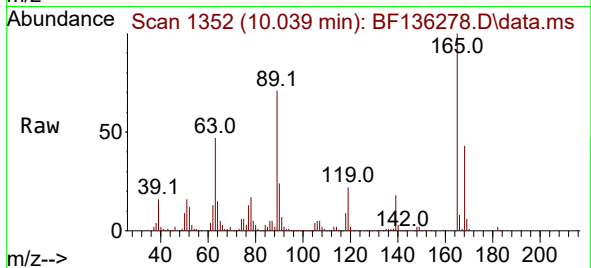
#57  
2,4-Dinitrotoluene  
Concen: 46.469 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

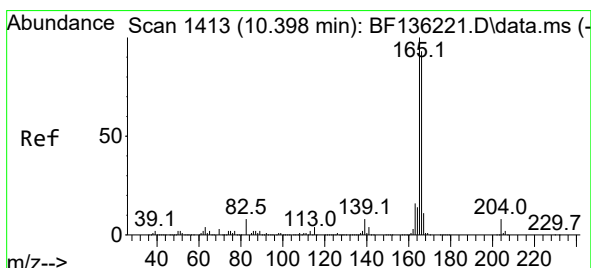
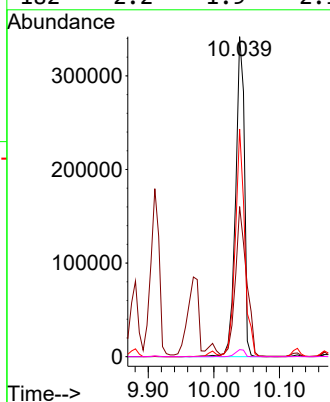
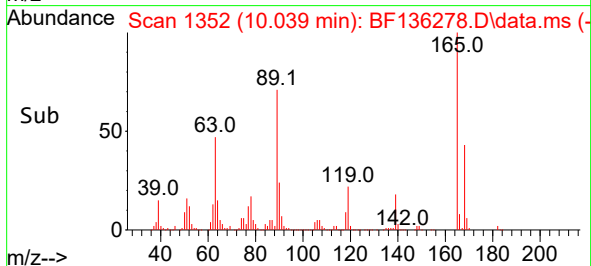


Tgt Ion:165 Resp: 317910  
Ion Ratio Lower Upper  
165 100  
63 46.9 33.0 49.4  
89 71.2 51.5 77.3  
182 2.2 1.9 2.9

Manual Integrations

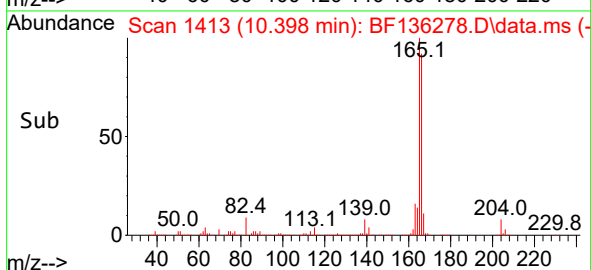
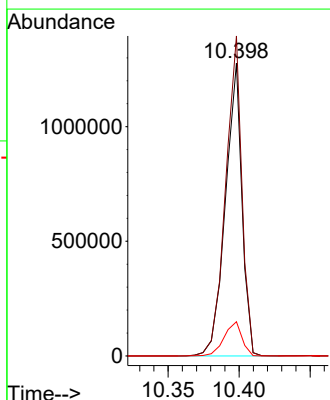
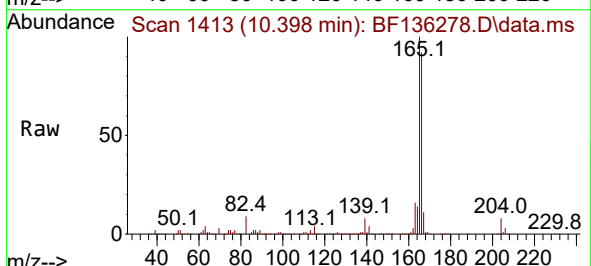
APPROVED

Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

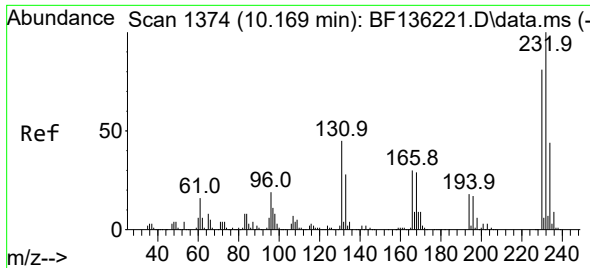


#58  
Fluorene  
Concen: 43.235 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:166 Resp: 1033773  
Ion Ratio Lower Upper  
166 100  
165 109.3 86.2 129.4  
167 11.7 9.1 13.7

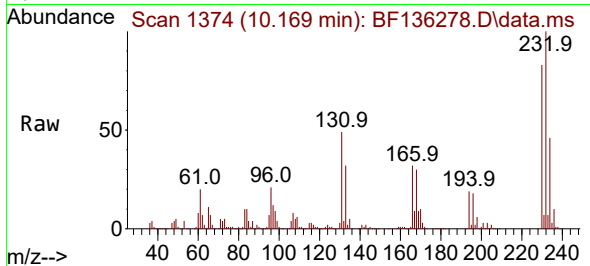






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.864 ng  
RT: 10.169 min Scan# 1374  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

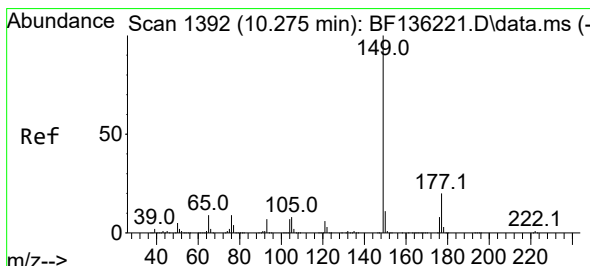
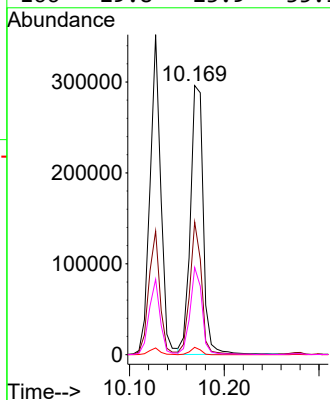
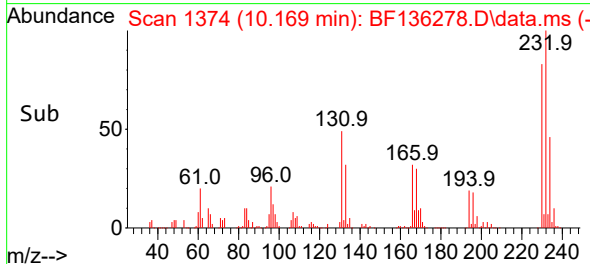
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



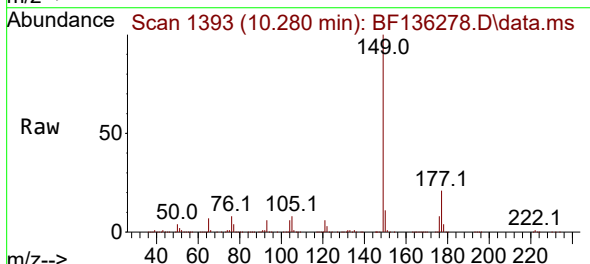
Tgt Ion:232 Resp: 278808  
Ion Ratio Lower Upper  
232 100  
131 44.6 36.4 54.6  
130 2.2 1.9 2.9  
166 29.8 23.9 35.9

Manual Integrations  
APPROVED

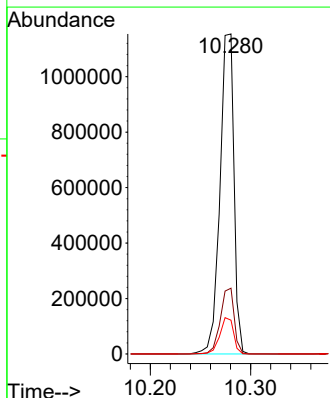
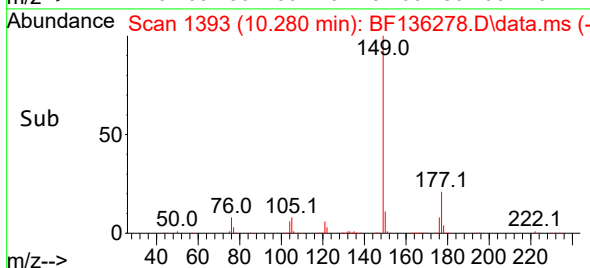
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

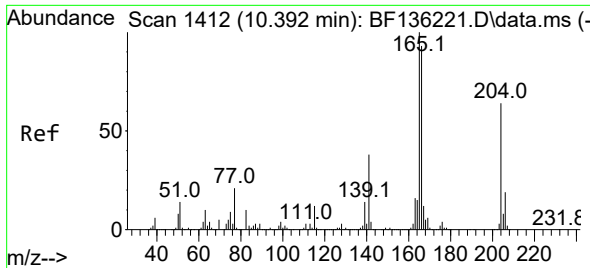


#60  
Diethylphthalate  
Concen: 44.561 ng  
RT: 10.280 min Scan# 1393  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:149 Resp: 1117489  
Ion Ratio Lower Upper  
149 100  
177 20.6 15.8 23.6  
150 10.6 8.8 13.2





#61  
4-Chlorophenyl-phenylether  
Concen: 42.778 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

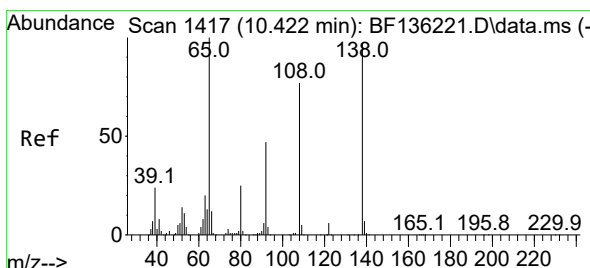
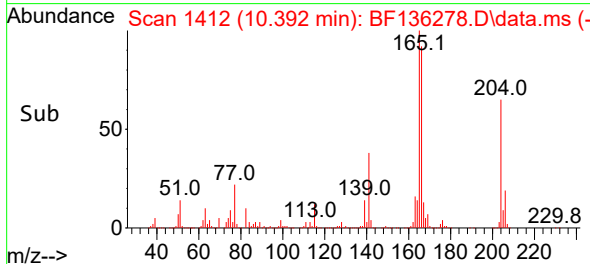
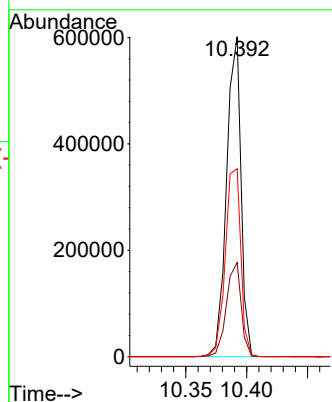
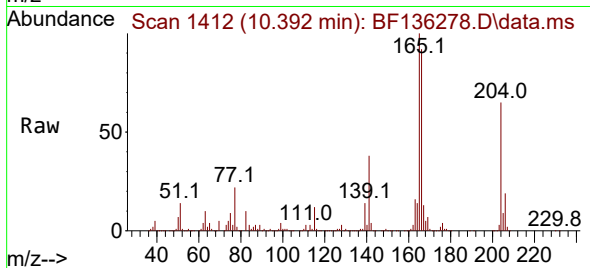
ClientSampleId :

PB157393BS

Tgt Ion:204 Resp: 49673  
Ion Ratio Lower Upper  
204 100  
206 29.4 23.4 35.0  
141 58.7 47.6 71.4

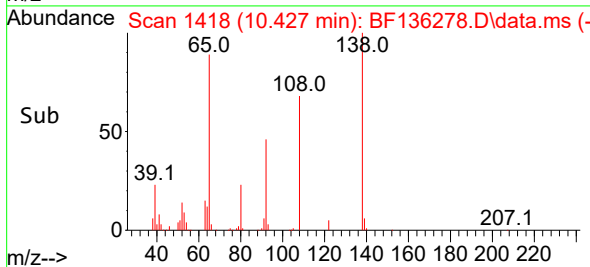
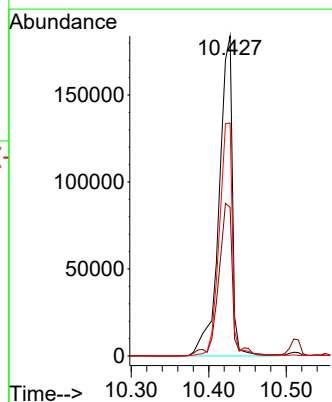
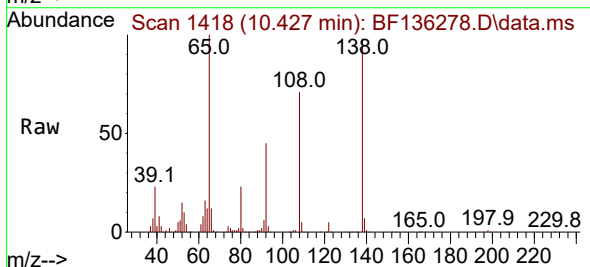
Manual Integrations  
APPROVED

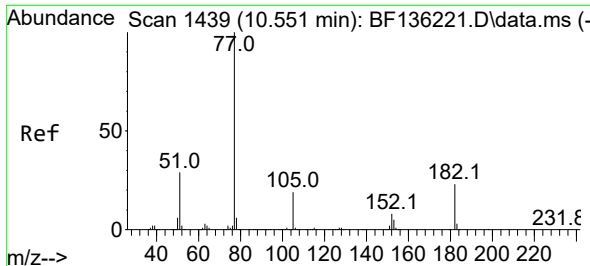
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#62  
4-Nitroaniline  
Concen: 44.030 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

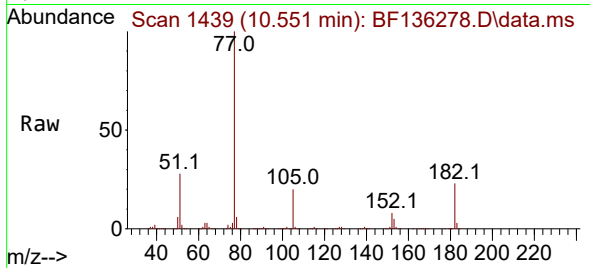
Tgt Ion:138 Resp: 219020  
Ion Ratio Lower Upper  
138 100  
92 46.4 28.5 68.5  
108 72.8 59.8 99.8





#63  
Azobenzene  
Concen: 44.242 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

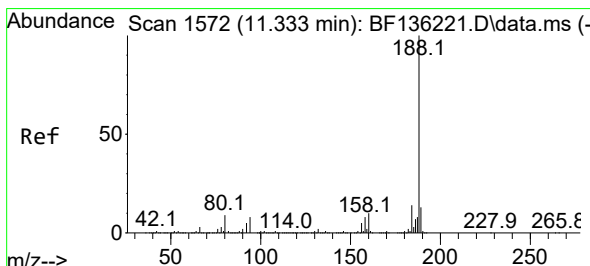
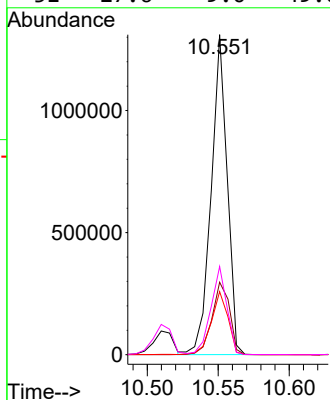
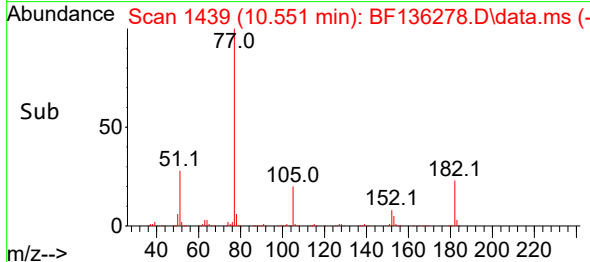
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



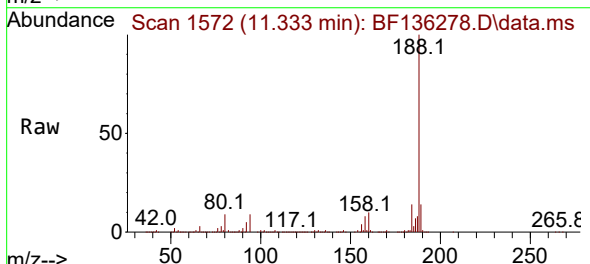
Tgt Ion: 77 Resp: 102859  
Ion Ratio Lower Upper  
77 100  
182 22.7 3.3 43.3  
105 19.7 0.0 39.5  
51 27.6 9.0 49.0

Manual Integrations  
APPROVED

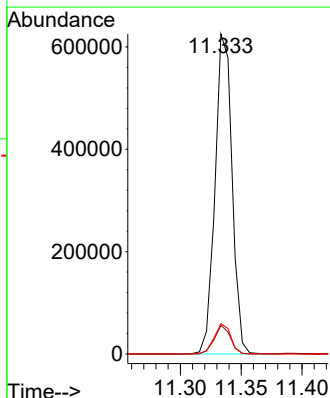
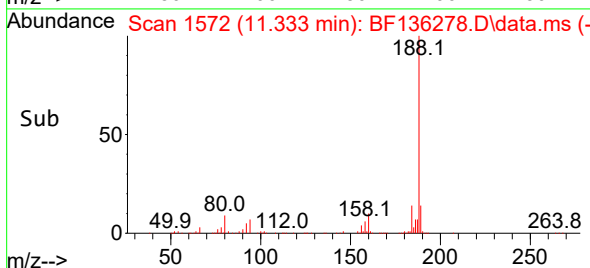
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

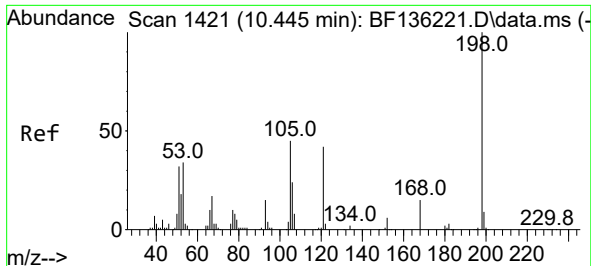


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



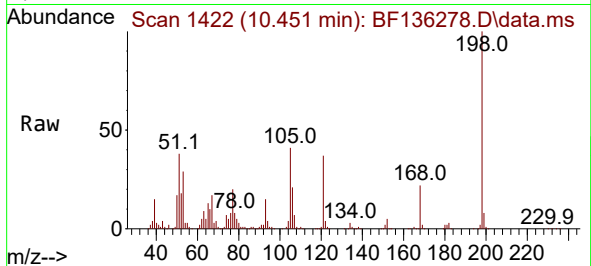
Tgt Ion:188 Resp: 610571  
Ion Ratio Lower Upper  
188 100  
94 8.9 6.7 10.1  
80 9.5 7.2 10.8





#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.023 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

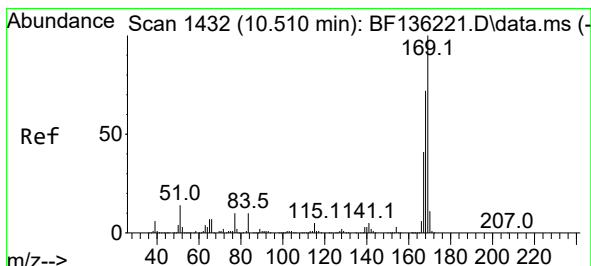
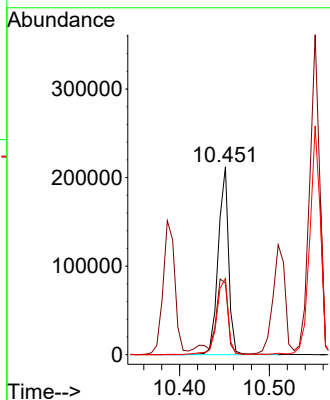
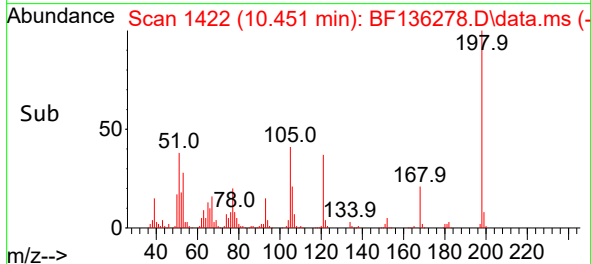
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



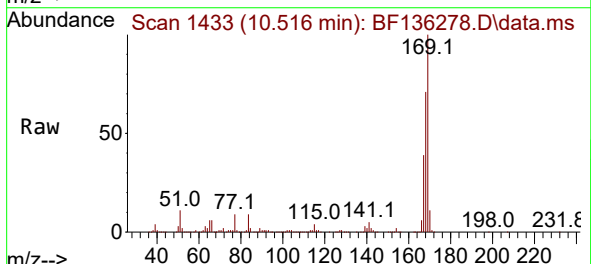
Tgt Ion:198 Resp: 170360  
Ion Ratio Lower Upper  
198 100  
51 38.2 28.2 68.2  
105 40.5 25.7 65.7

Manual Integrations  
APPROVED

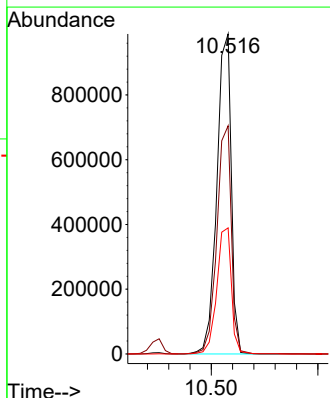
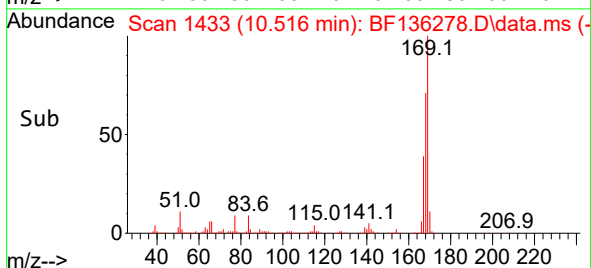
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

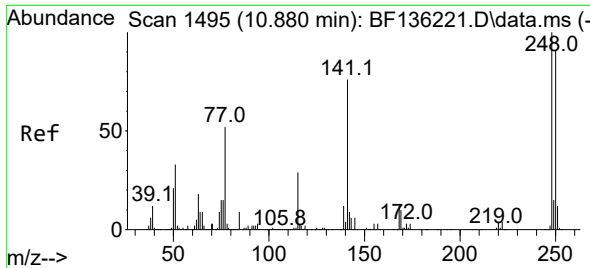


#66  
n-Nitrosodiphenylamine  
Concen: 47.137 ng  
RT: 10.516 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:169 Resp: 922309  
Ion Ratio Lower Upper  
169 100  
168 71.3 57.8 86.6  
167 39.4 32.7 49.1





#67  
4-Bromophenyl-phenylether  
Concen: 45.399 ng  
RT: 10.880 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

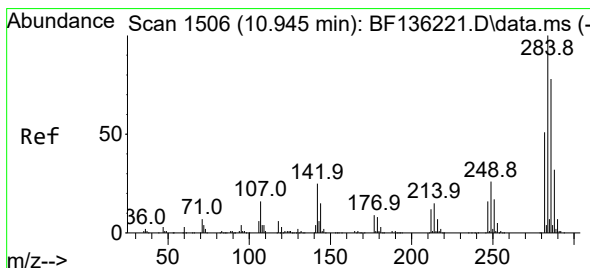
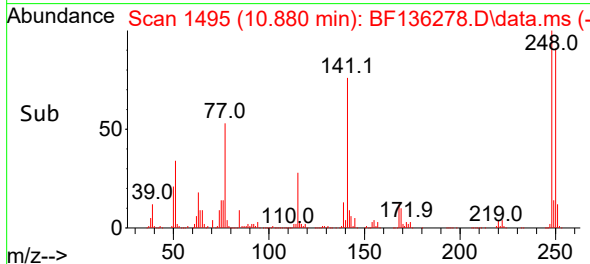
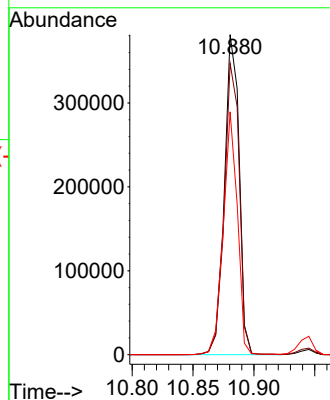
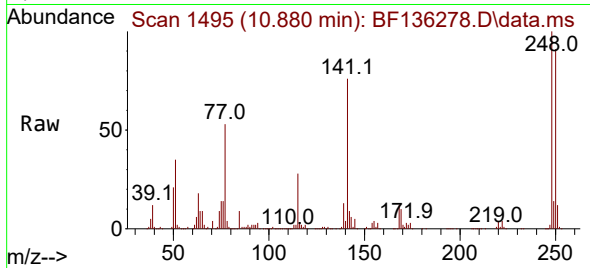
PB157393BS

Tgt Ion:248 Resp: 323395  
Ion Ratio Lower Upper  
248 100  
250 91.0 72.5 108.7  
141 75.9 60.8 91.2

Manual Integrations

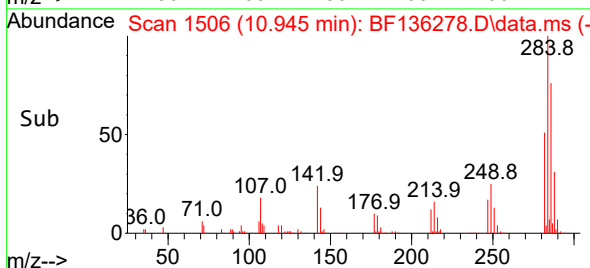
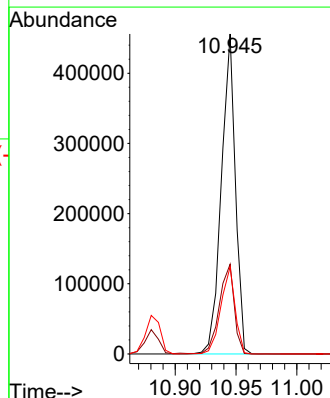
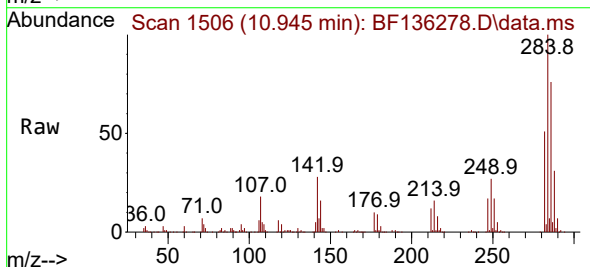
APPROVED

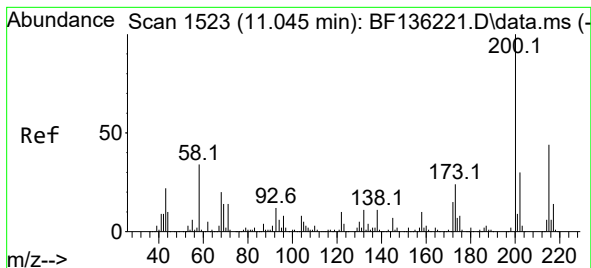
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#68  
Hexachlorobenzene  
Concen: 44.442 ng  
RT: 10.945 min Scan# 1506  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:284 Resp: 366395  
Ion Ratio Lower Upper  
284 100  
142 28.0 19.8 29.8  
249 27.2 21.0 31.4





#69

Atrazine

Concen: 31.136 ng

RT: 11.039 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

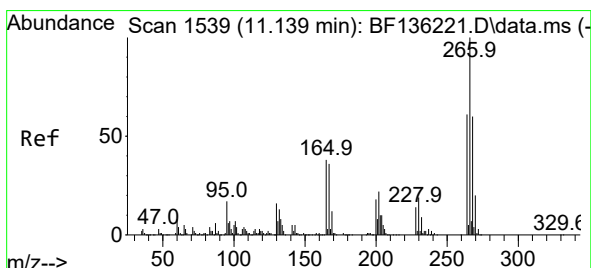
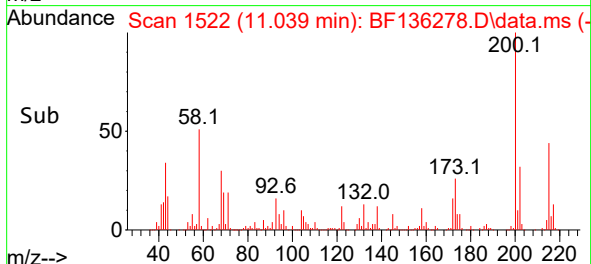
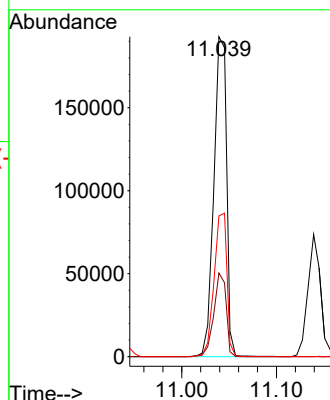
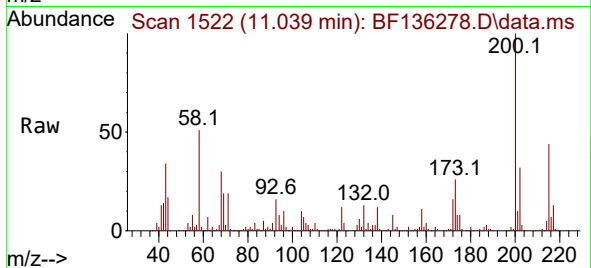
|             |              |
|-------------|--------------|
| Tgt Ion:200 | Resp: 180724 |
| Ion Ratio   | Lower Upper  |
| 200 100     |              |
| 173 26.2    | 4.3 44.3     |
| 215 44.0    | 23.8 63.8    |

Manual Integrations

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Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023



#70

Pentachlorophenol

Concen: 84.153 ng

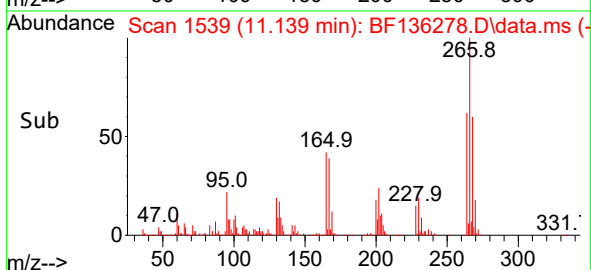
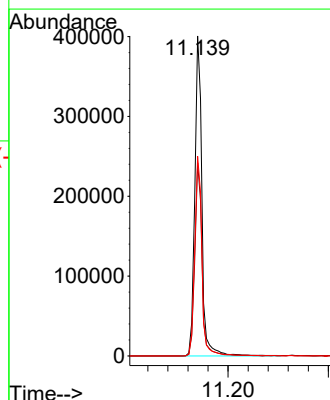
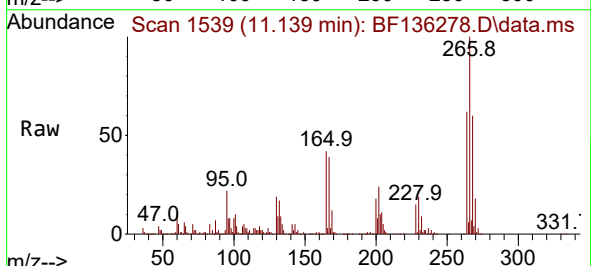
RT: 11.139 min Scan# 1539

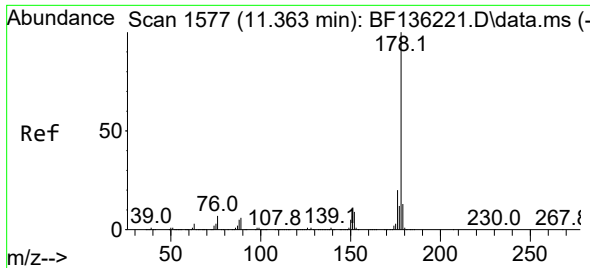
Delta R.T. 0.000 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

|             |              |
|-------------|--------------|
| Tgt Ion:266 | Resp: 392164 |
| Ion Ratio   | Lower Upper  |
| 266 100     |              |
| 268 60.3    | 47.9 71.9    |
| 264 62.4    | 49.1 73.7    |





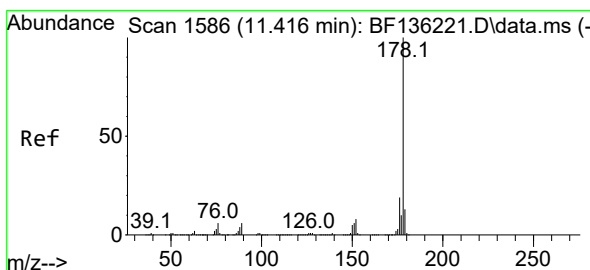
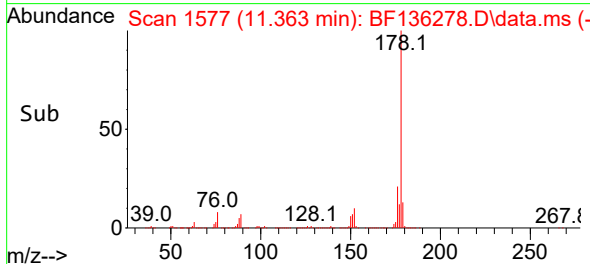
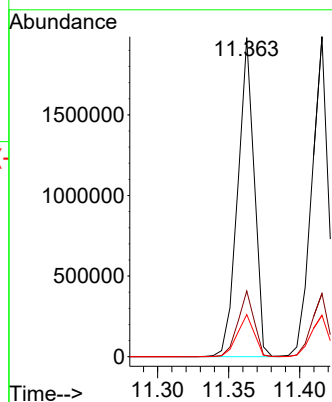
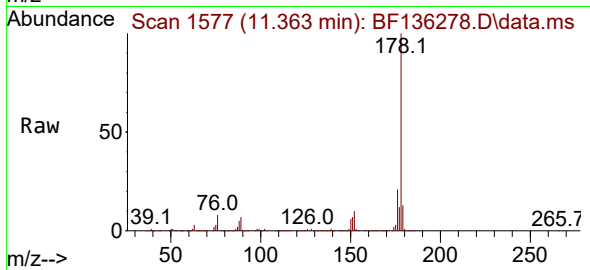
#71  
Phenanthrene  
Concen: 46.563 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS

Tgt Ion:178 Resp: 1597907  
Ion Ratio Lower Upper  
178 100  
176 20.6 16.2 24.2  
179 13.2 10.3 15.5

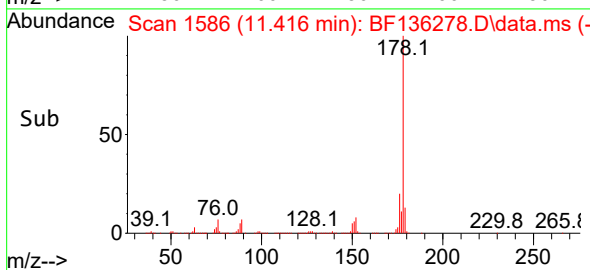
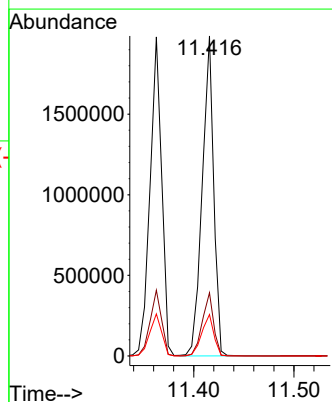
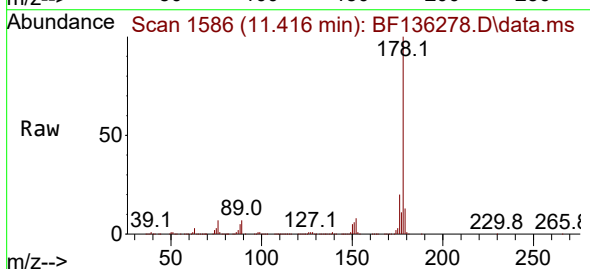
Manual Integrations  
APPROVED

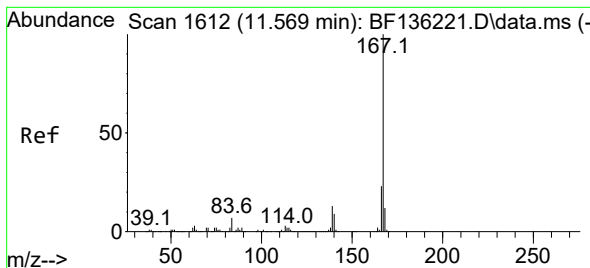
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#72  
Anthracene  
Concen: 46.154 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

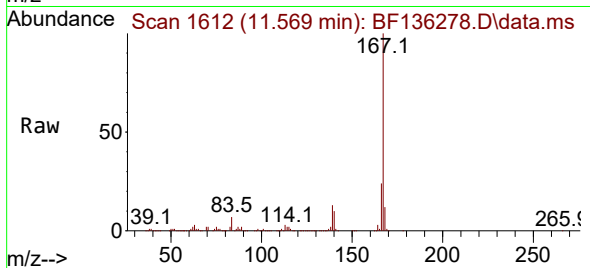
Tgt Ion:178 Resp: 1588343  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.5 23.3  
179 13.0 10.5 15.7





#73  
 Carbazole  
 Concen: 44.041 ng  
 RT: 11.569 min Scan# 1612  
 Delta R.T. 0.000 min  
 Lab File: BF136278.D  
 Acq: 29 Nov 2023 12:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157393BS

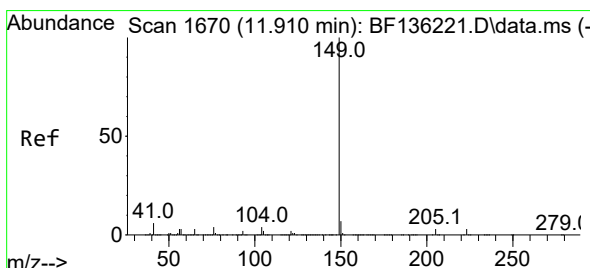
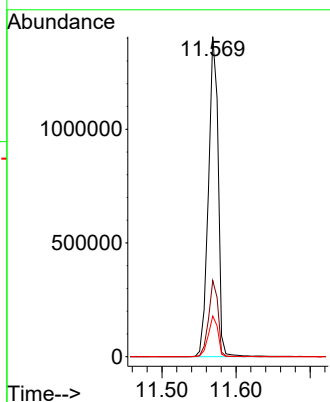
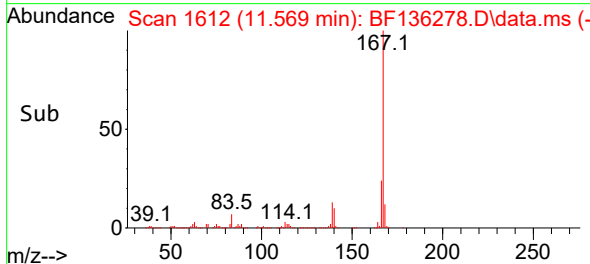


Tgt Ion:167 Resp: 1289035  

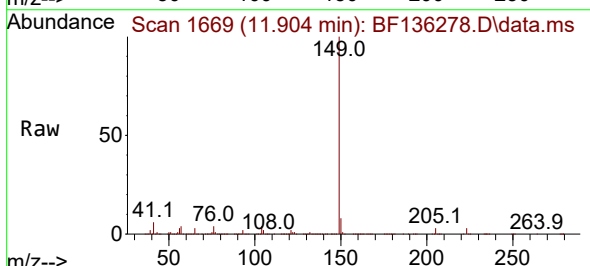
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 23.8  | 18.4  | 27.6  |
| 139 | 12.7  | 10.5  | 15.7  |

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/30/2023  
 Supervised By :mohammad ahmed 12/01/2023

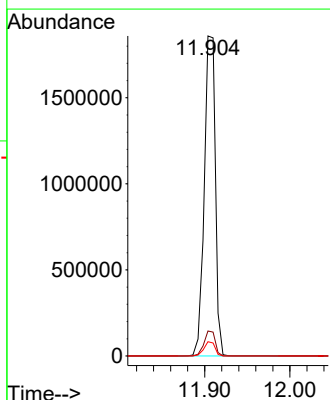
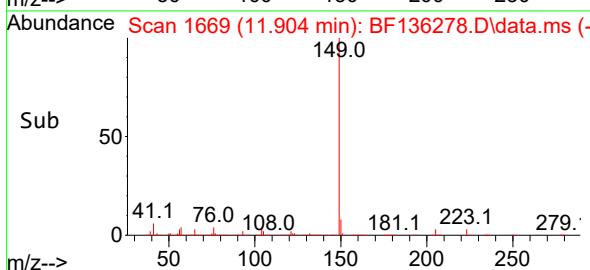


#74  
 Di-n-butylphthalate  
 Concen: 45.757 ng  
 RT: 11.904 min Scan# 1669  
 Delta R.T. -0.006 min  
 Lab File: BF136278.D  
 Acq: 29 Nov 2023 12:18

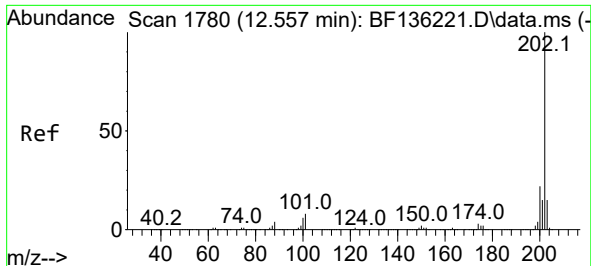


Tgt Ion:149 Resp: 1675702  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 7.8   | 6.0   | 9.0   |
| 104 | 4.5   | 3.5   | 5.3   |

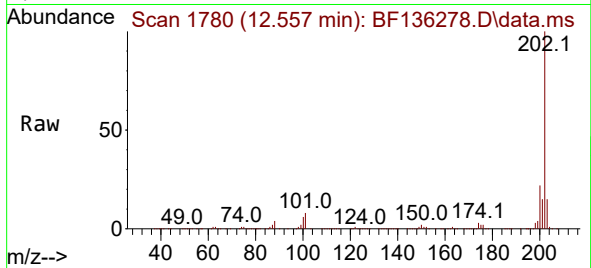






#75  
Fluoranthene  
Concen: 41.638 ng  
RT: 12.557 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

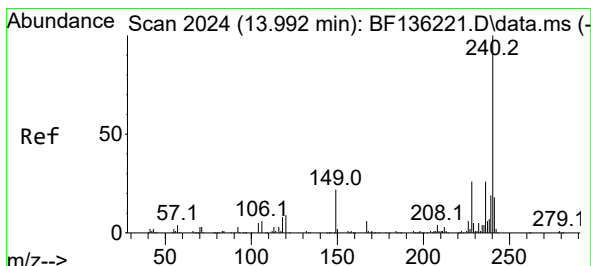
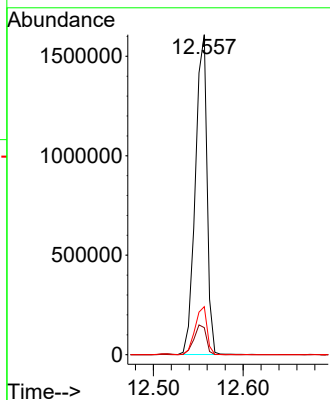
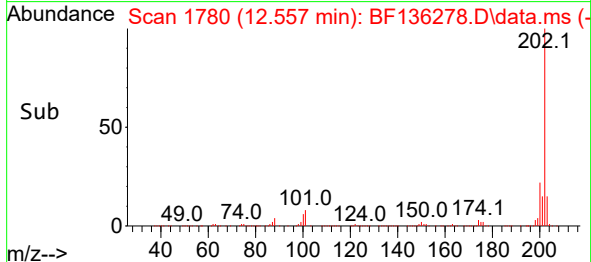
Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS



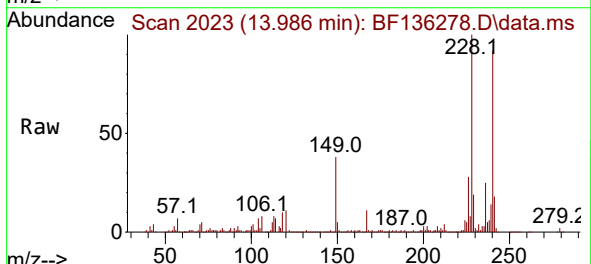
Tgt Ion:202 Resp: 145054  
Ion Ratio Lower Upper  
202 100  
101 8.4 0.0 27.8  
203 15.0 0.0 34.5

Manual Integrations  
APPROVED

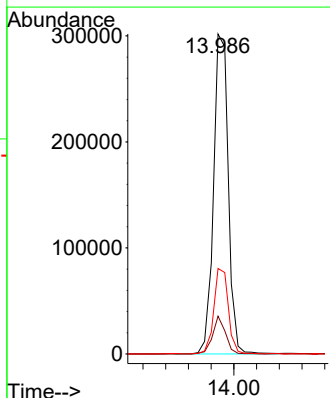
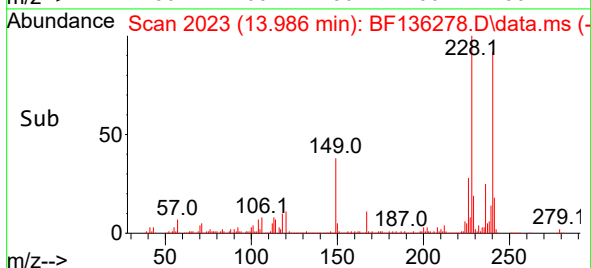
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

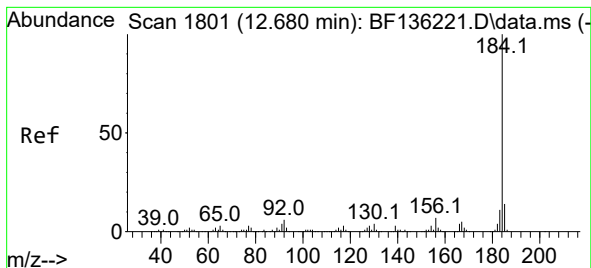


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. -0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:240 Resp: 272004  
Ion Ratio Lower Upper  
240 100  
120 11.8 7.4 11.2#  
236 26.7 21.1 31.7





#77

Benzidine

Concen: 45.160 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF136278.D

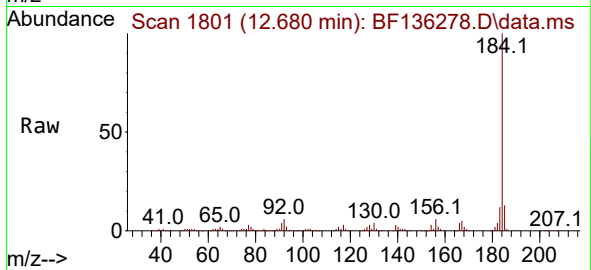
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS



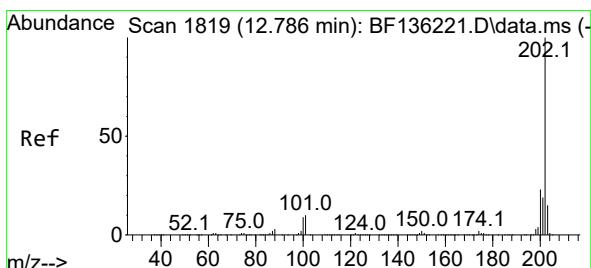
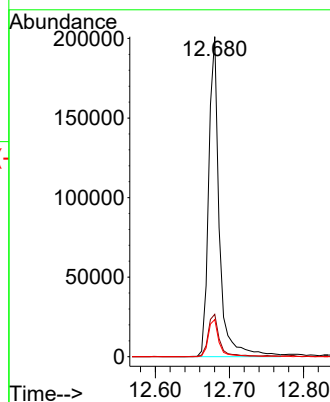
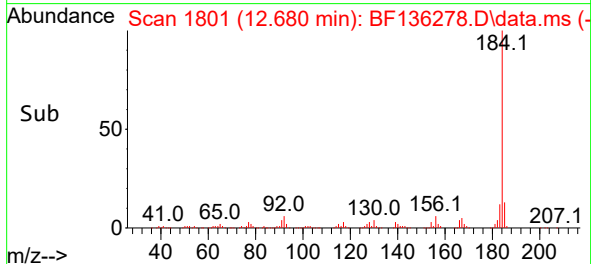
|             |                |
|-------------|----------------|
| Tgt Ion:184 | Resp: 20192    |
| Ion Ratio   | Lower Upper    |
| 184         | 100            |
| 185         | 13.2 11.0 16.6 |
| 183         | 11.6 9.0 13.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023



#78

Pyrene

Concen: 48.077 ng

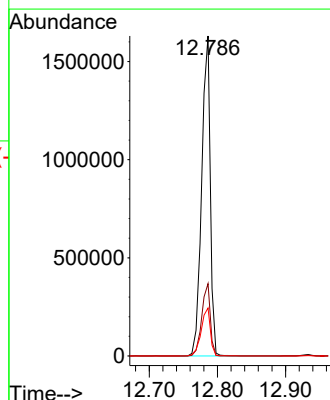
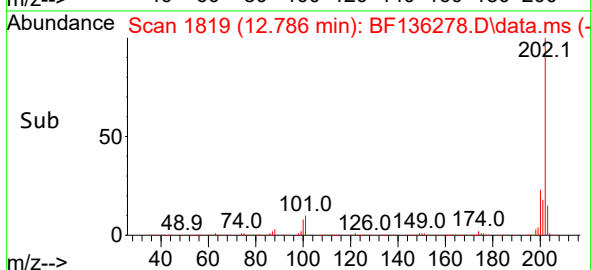
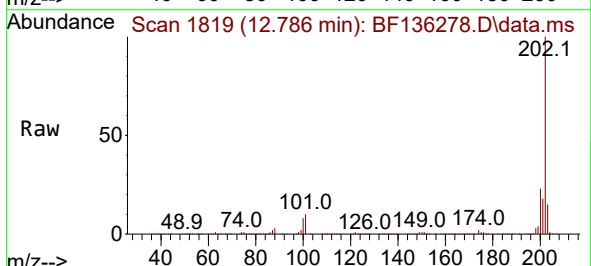
RT: 12.786 min Scan# 1819

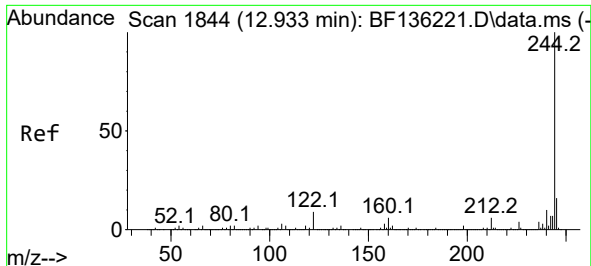
Delta R.T. 0.000 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

|             |                |
|-------------|----------------|
| Tgt Ion:202 | Resp: 1432188  |
| Ion Ratio   | Lower Upper    |
| 202         | 100            |
| 200         | 22.6 18.4 27.6 |
| 203         | 15.0 11.8 17.6 |





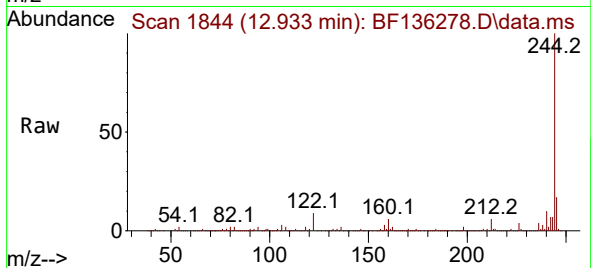
#79  
 Terphenyl-d14  
 Concen: 92.777 ng  
 RT: 12.933 min Scan# 1844  
 Delta R.T. 0.000 min  
 Lab File: BF136278.D  
 Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

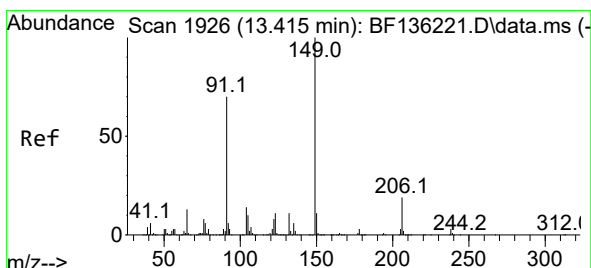
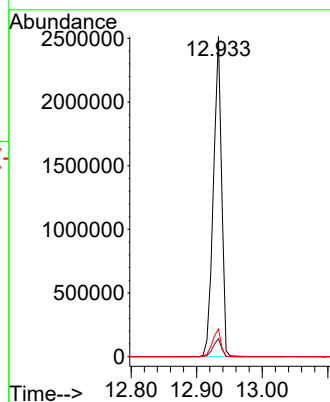
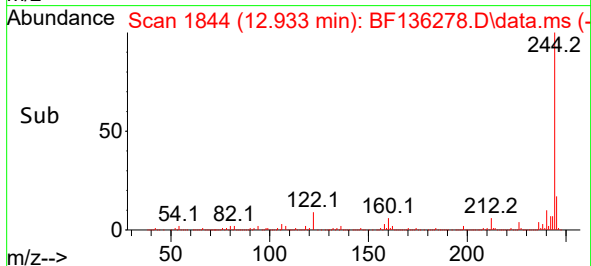


Tgt Ion:244 Resp: 218778  
 Ion Ratio Lower Upper  
 244 100  
 212 5.6 4.6 7.0  
 122 8.6 7.3 10.9

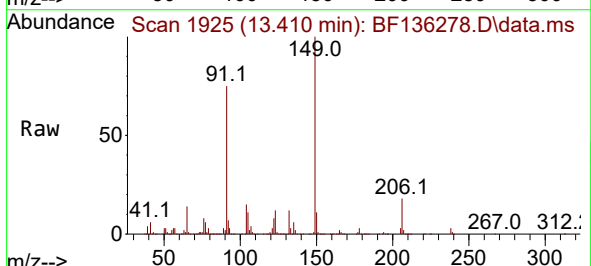
Manual Integrations

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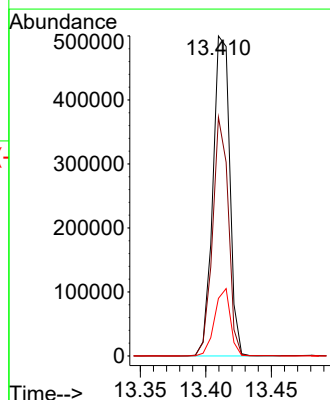
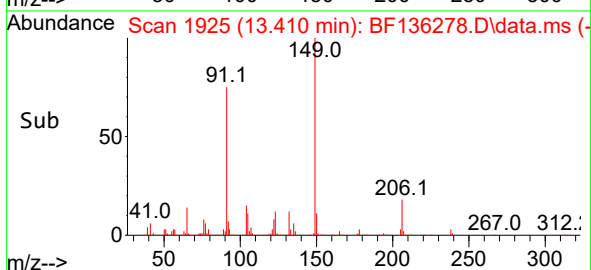
Reviewed By :Yogesh Patel 11/30/2023  
 Supervised By :mohammad ahmed 12/01/2023

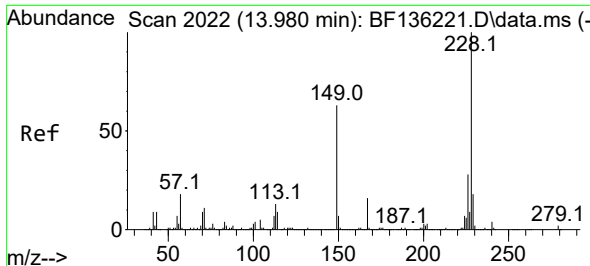


#80  
 Butylbenzylphthalate  
 Concen: 48.280 ng  
 RT: 13.410 min Scan# 1925  
 Delta R.T. -0.006 min  
 Lab File: BF136278.D  
 Acq: 29 Nov 2023 12:18



Tgt Ion:149 Resp: 447613  
 Ion Ratio Lower Upper  
 149 100  
 91 74.6 56.4 84.6  
 206 18.0 14.8 22.2





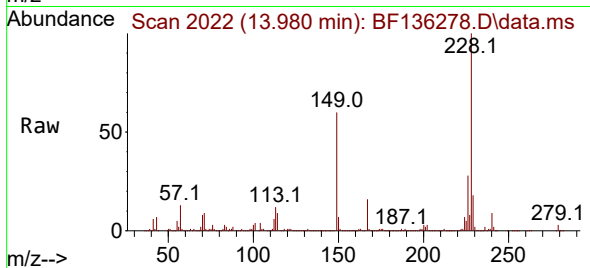
#81  
Benzo(a)anthracene  
Concen: 45.485 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

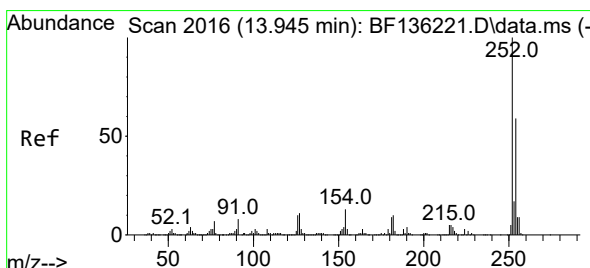
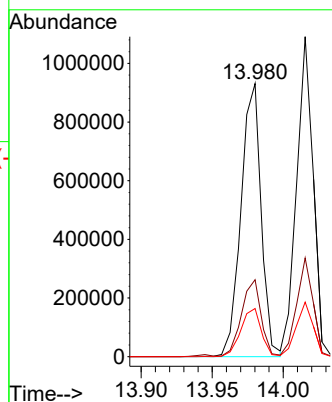
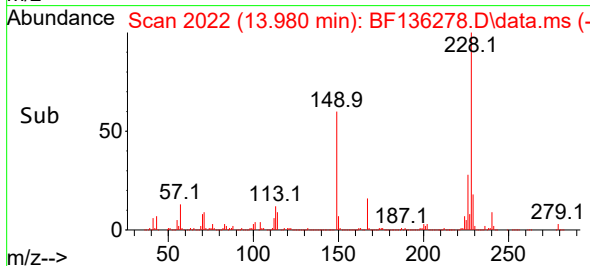


Tgt Ion:228 Resp: 918960  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.6 34.0  
229 17.7 14.0 21.0

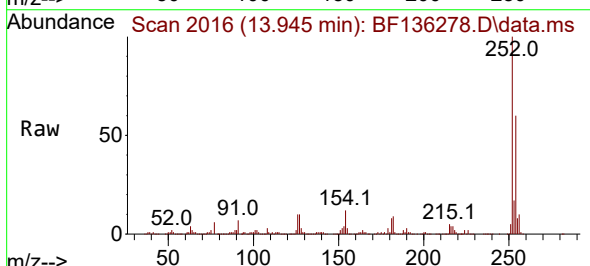
Manual Integrations

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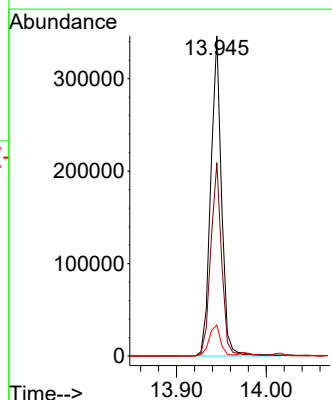
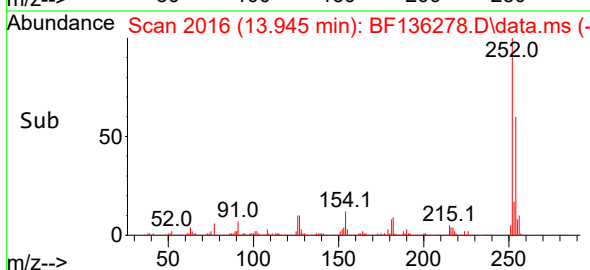
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

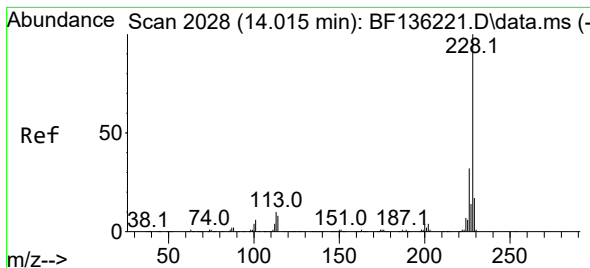


#82  
3,3'-Dichlorobenzidine  
Concen: 59.407 ng  
RT: 13.945 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18



Tgt Ion:252 Resp: 288914  
Ion Ratio Lower Upper  
252 100  
254 60.4 47.4 71.2  
126 9.6 8.3 12.5





#83

Chrysene

Concen: 45.465 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

Tgt Ion:228 Resp: 886890

Ion Ratio Lower Upper

228 100

226 30.8 25.5 38.3

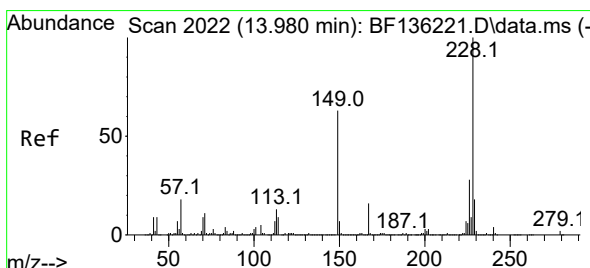
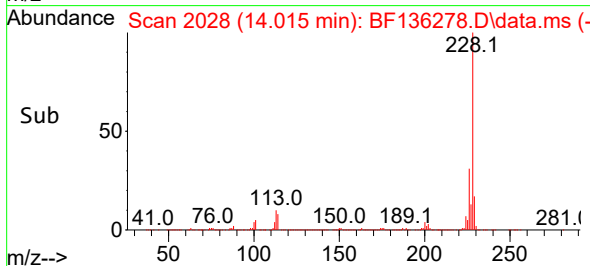
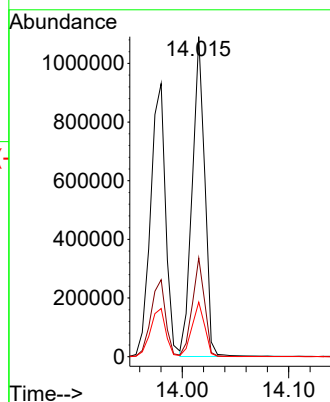
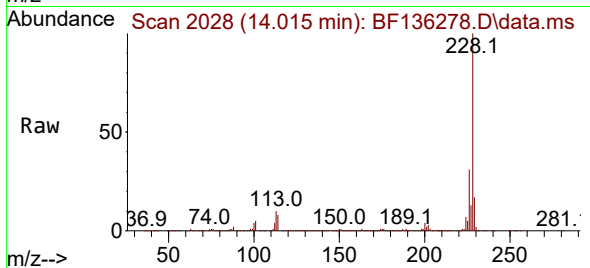
229 17.1 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.850 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

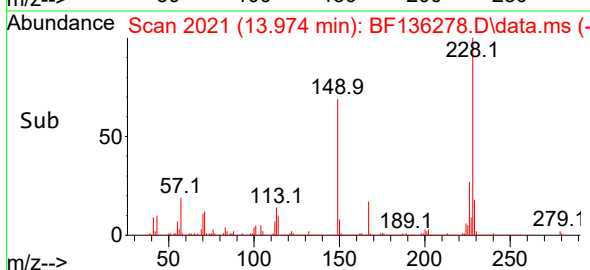
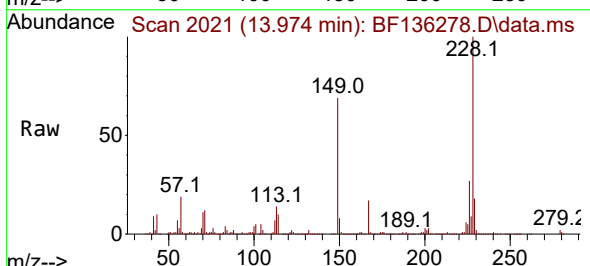
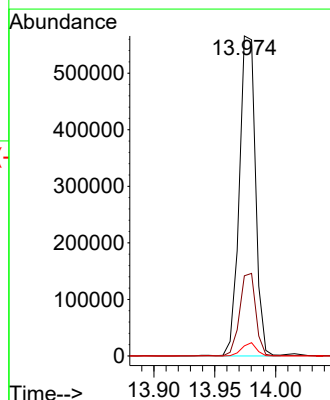
Tgt Ion:149 Resp: 521280

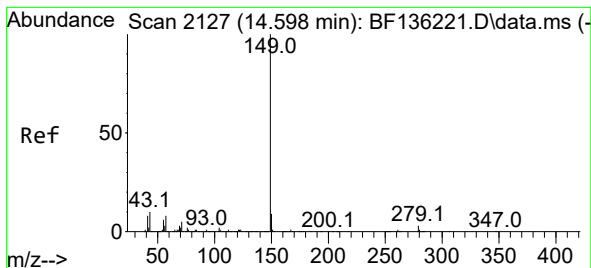
Ion Ratio Lower Upper

149 100

167 25.1 20.2 30.2

279 3.1 2.4 3.6





#85

Di-n-octyl phthalate

Concen: 49.834 ng

RT: 14.598 min Scan# 2127

Delta R.T. -0.000 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

Tgt Ion:149 Resp: 90452

Ion Ratio Lower Upper

149 100

167 1.5 1.0 1.6

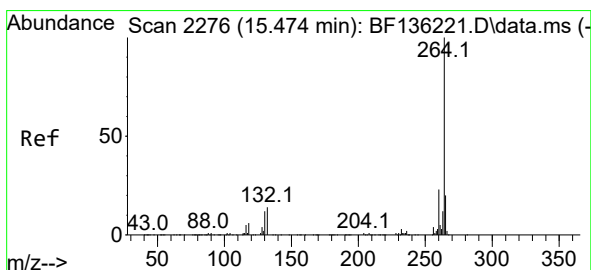
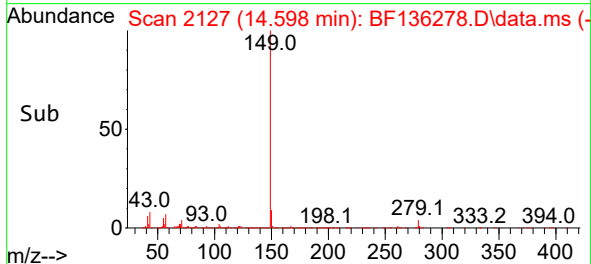
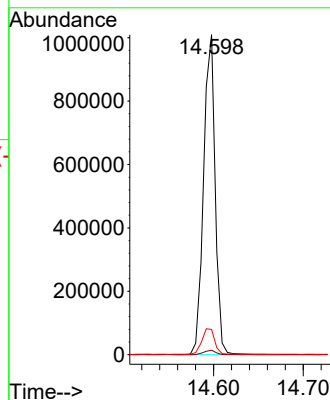
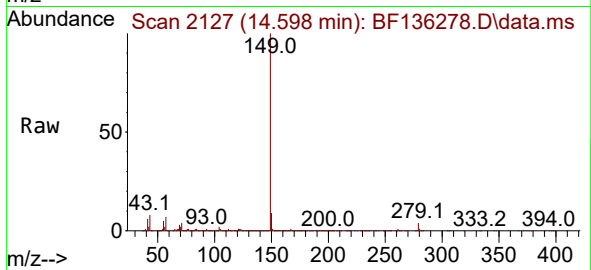
43 8.9 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/30/2023

Supervised By :mohammad ahmed 12/01/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF136278.D

Acq: 29 Nov 2023 12:18

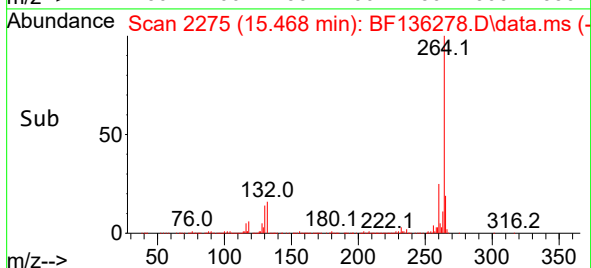
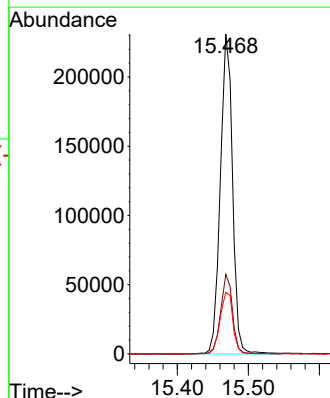
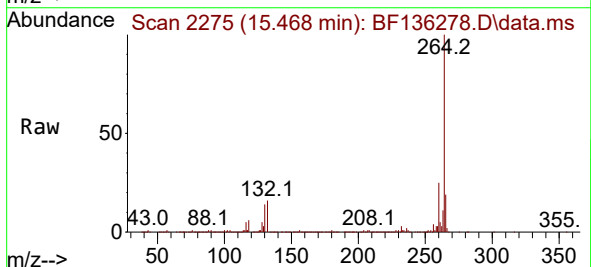
Tgt Ion:264 Resp: 274189

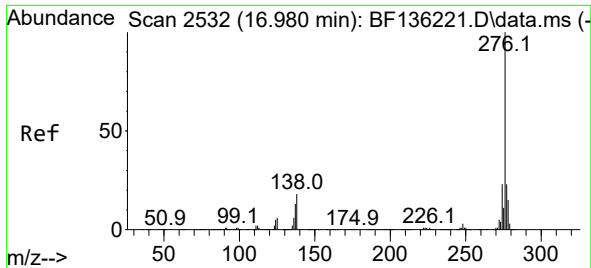
Ion Ratio Lower Upper

264 100

260 24.8 18.6 27.8

265 19.3 15.7 23.5





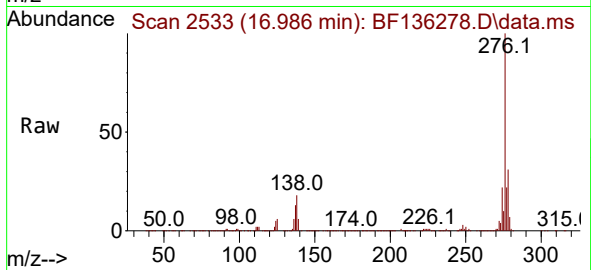
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 47.567 ng  
RT: 16.986 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

ClientSampleId :

PB157393BS

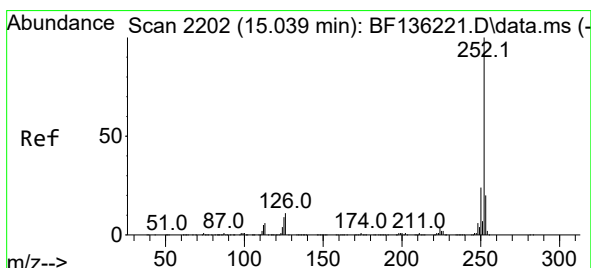
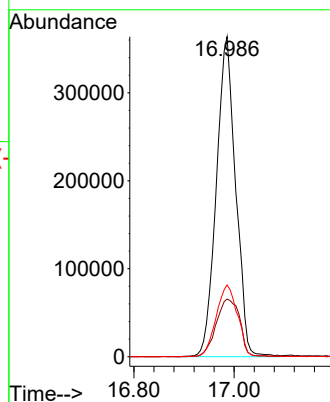
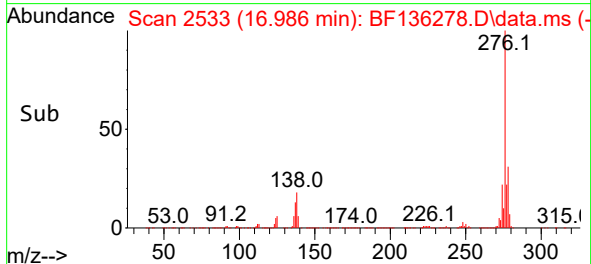


Tgt Ion:276 Resp: 97435  
Ion Ratio Lower Upper  
276 100  
138 21.9 17.7 26.5  
277 24.9 19.6 29.4

Manual Integrations

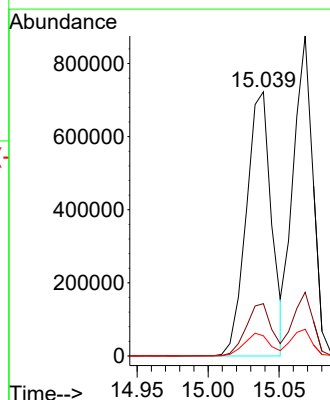
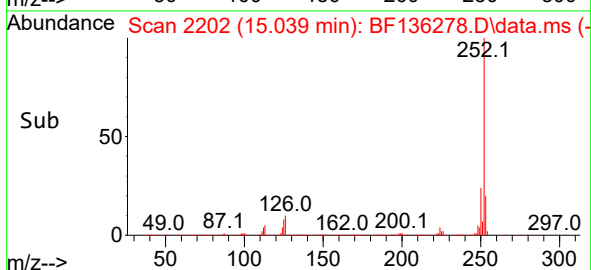
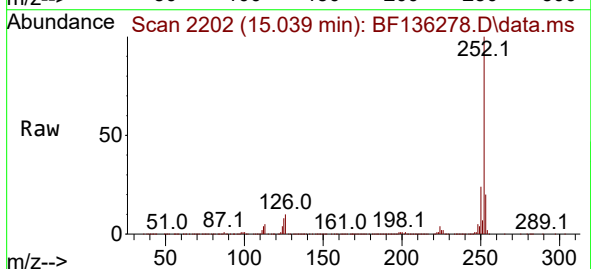
APPROVED

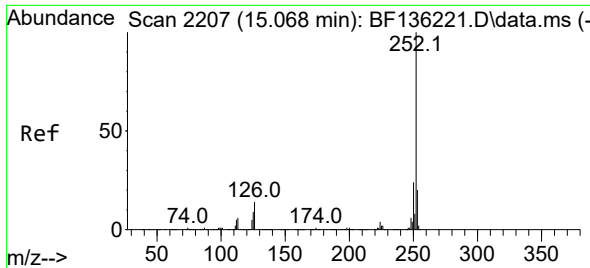
Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#88  
Benzo(b)fluoranthene  
Concen: 46.400 ng  
RT: 15.039 min Scan# 2202  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:252 Resp: 892587  
Ion Ratio Lower Upper  
252 100  
253 19.8 16.2 24.2  
125 7.7 6.9 10.3





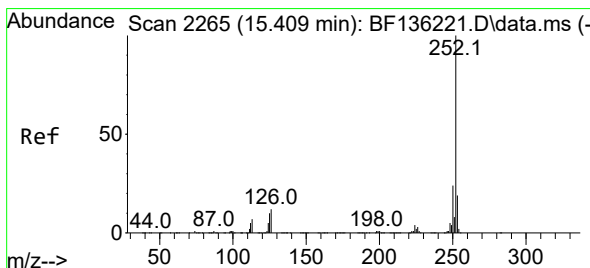
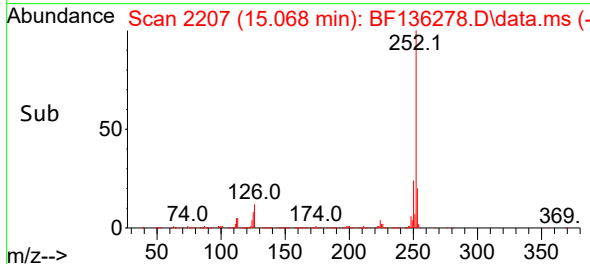
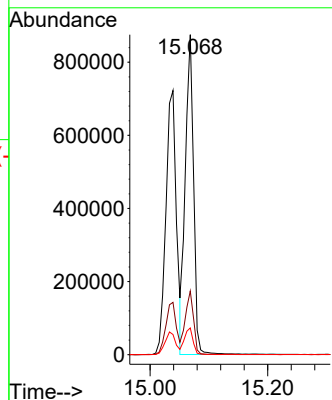
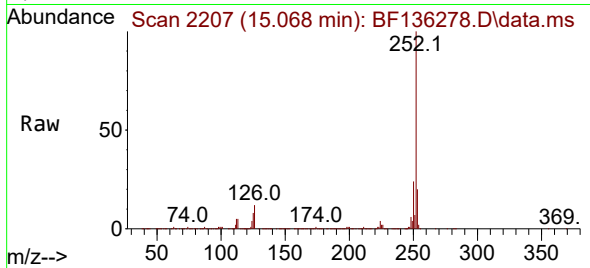
#89  
Benzo(k)fluoranthene  
Concen: 46.924 ng  
RT: 15.068 min Scan# 2207  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB157393BS

Tgt Ion:252 Resp: 85732  
Ion Ratio Lower Upper  
252 100  
253 19.9 15.6 23.4  
125 8.3 7.0 10.4

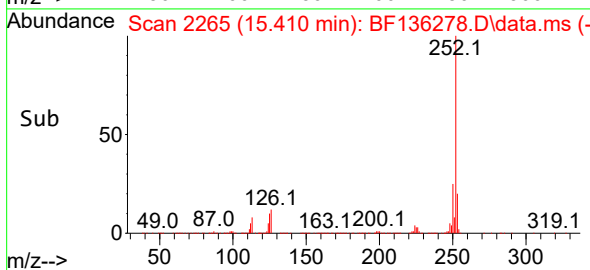
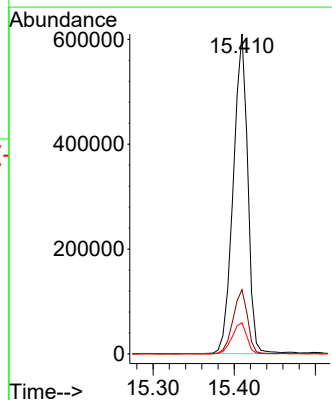
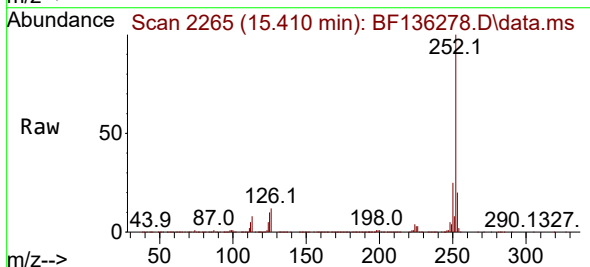
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023

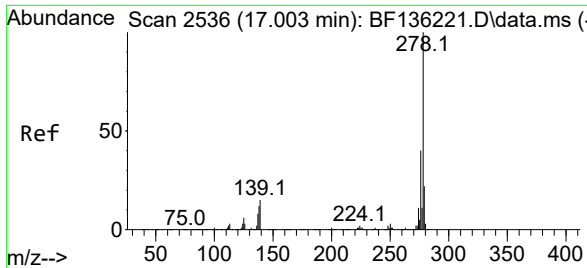


#90  
Benzo(a)pyrene  
Concen: 47.827 ng  
RT: 15.410 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:252 Resp: 752101  
Ion Ratio Lower Upper  
252 100  
253 20.1 15.5 23.3  
125 9.8 7.9 11.9







#91  
Dibenzo(a,h)anthracene  
Concen: 48.238 ng  
RT: 17.009 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Instrument :

BNA\_F

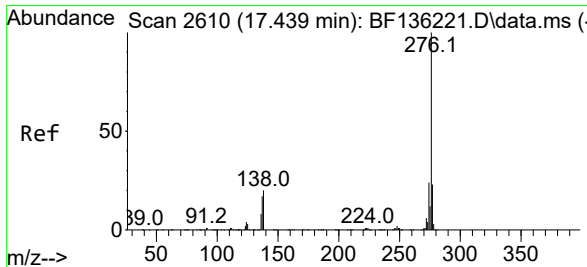
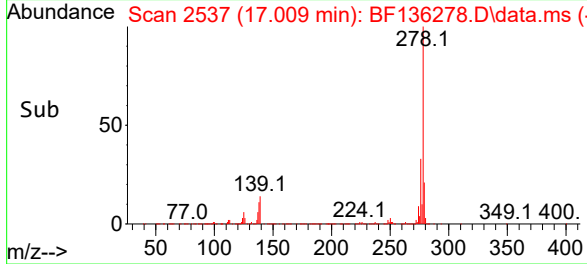
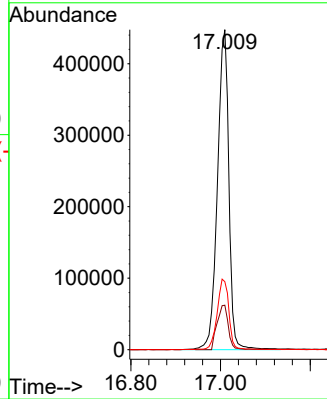
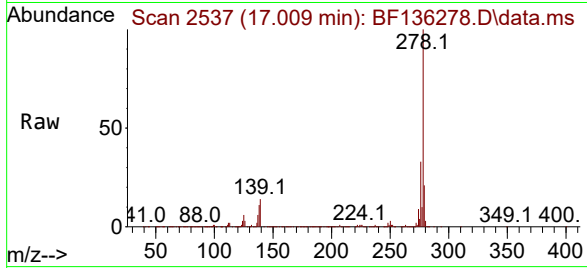
ClientSampleId :

PB157393BS

Tgt Ion:278 Resp: 79372  
Ion Ratio Lower Upper  
278 100  
139 13.9 11.7 17.5  
279 21.2 17.8 26.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/30/2023  
Supervised By :mohammad ahmed 12/01/2023



#92  
Benzo(g,h,i)perylene  
Concen: 47.248 ng  
RT: 17.445 min Scan# 2611  
Delta R.T. 0.006 min  
Lab File: BF136278.D  
Acq: 29 Nov 2023 12:18

Tgt Ion:276 Resp: 779374  
Ion Ratio Lower Upper  
276 100  
277 22.0 18.6 27.8  
138 19.0 15.8 23.8

